

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062618\
 Data File : VN049558.D
 Acq On : 26 Jun 2018 17:40
 Operator : MD\SY
 Sample : VN0626MBS01
 Misc : 5.00uL/10mL/100uL/5.0mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626MBS01

Manual Integrations
 APPROVED

MMDadoda
 6/27/2018 5:29:46 PM

Quant Time: Jun 27 01:47:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1596680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2470309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2142448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1112260	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1045668	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	7.59	113	925506	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	
50) Toluene-d8	10.09	98	3472811	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
62) 4-Bromofluorobenzene	12.40	95	1184235	47.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	275820	15.01	ug/l	98
3) Chloromethane	2.05	50	354343	14.93	ug/l	97
4) Vinyl Chloride	2.18	62	406369	16.11	ug/l	98
5) Bromomethane	2.56	94	209452	15.80	ug/l	99
6) Chloroethane	2.70	64	255967	17.02	ug/l	98
7) Trichlorofluoromethane	3.02	101	492013	15.64	ug/l	96
8) Diethyl Ether	3.41	74	206009	18.75	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	353897	17.73	ug/l	93
10) Methyl Iodide	3.95	142	427546	20.58	ug/l	91
11) Tert butyl alcohol	4.79	59	121453	97.71	ug/l	97
12) 1,1-Dichloroethene	3.73	96	322059	17.59	ug/l	91
13) Acrolein	3.60	56	117010	89.77	ug/l	97
14) Allyl chloride	4.32	41	454536	15.72	ug/l	88
15) Acrylonitrile	4.99	53	577582	92.93	ug/l	99
16) Acetone	3.82	43	489020	95.10	ug/l	92
17) Carbon Disulfide	4.05	76	857377	14.94	ug/l	100
18) Methyl Acetate	4.33	43	646302	41.22	ug/l	96
19) Methyl tert-butyl Ether	5.04	73	942863	20.20	ug/l	98
20) Methylene Chloride	4.54	84	387115	18.03	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	343032	17.70	ug/l	94
22) Diisopropyl ether	5.95	45	1129730	19.57	ug/l	99
23) Vinyl Acetate	5.90	43	3582611	95.20	ug/l	96
24) 1,1-Dichloroethane	5.85	63	680839	18.43	ug/l	98
25) 2-Butanone	6.84	43	631627	91.48	ug/l	97
26) 2,2-Dichloropropane	6.82	77	549425	18.41	ug/l	97
27) cis-1,2-Dichloroethene	6.82	96	407305	18.90	ug/l	92
28) Bromochloromethane	7.20	49	303163	18.51	ug/l #	80
29) Tetrahydrofuran	7.21	42	424517	95.52	ug/l	92
30) Chloroform	7.37	83	693969	18.87	ug/l	100
31) Cyclohexane	7.65	56	587988	18.66	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	589858	18.80	ug/l	98
36) 1,1-Dichloropropene	7.79	75	506750	17.90	ug/l	98
37) Ethyl Acetate	6.93	43	300034	19.49	ug/l	98
38) Carbon Tetrachloride	7.77	117	467156	15.94	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	539759	17.76	ug/l	94
40) Benzene	8.04	78	1550111	17.86	ug/l	97
41) Methacrylonitrile	7.17	41	136337	16.38	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	490006	18.27	ug/l	96
43) Isopropyl Acetate	8.17	43	908942	30.91	ug/l #	89
44) Trichloroethene	8.83	130	496227	21.65	ug/l	92
45) 1,2-Dichloropropane	9.12	63	410144	18.05	ug/l	99
46) Dibromomethane	9.21	93	238598	18.11	ug/l	90
47) Bromodichloromethane	9.40	83	509617	17.60	ug/l	95
48) Methyl methacrylate	9.20	41	288427	20.83	ug/l	89
49) 1,4-Dioxane	9.20	88	71356	373.33	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1479890	96.02	ug/l	94
52) Toluene	10.16	92	943994	18.53	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	489237	17.66	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	582240	17.80	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	346802	18.26	ug/l	97
56) Ethyl methacrylate	10.43	69	419223	19.13	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	580122	18.44	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	1071285	143.26	ug/l	93
59) 2-Hexanone	10.75	43	969430	97.56	ug/l	93
60) Dibromochloromethane	10.90	129	365891	17.26	ug/l	99
61) 1,2-Dibromoethane	11.01	107	337880	19.14	ug/l	99
64) Tetrachloroethene	10.63	164	551924	25.14	ug/l	98
65) Chlorobenzene	11.44	112	1030160	18.67	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	375821	18.09	ug/l	99
67) Ethyl Benzene	11.51	91	1747749	19.09	ug/l	98
68) m/p-Xylenes	11.62	106	1347530	39.22	ug/l	96
69) o-Xylene	11.95	106	653645	19.75	ug/l	96
70) Styrene	11.97	104	1048456	20.08	ug/l	98
71) Bromoform	12.13	173	229110	17.04	ug/l #	99
73) Isopropylbenzene	12.25	105	1701531	17.42	ug/l	98
74) N-amyl acetate	12.07	43	468003	19.57	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	395307	18.25	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	348589m	18.37	ug/l	
77) Bromobenzene	12.53	156	449986	17.44	ug/l	88
78) n-propylbenzene	12.59	91	1934298	18.04	ug/l	98
79) 2-Chlorotoluene	12.68	91	1186678	17.47	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1425333	18.57	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	97617	16.26	ug/l	93
82) 4-Chlorotoluene	12.77	91	1188139	18.13	ug/l	96
83) tert-Butylbenzene	12.99	119	1206529	17.74	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1478183	19.39	ug/l	98
85) sec-Butylbenzene	13.17	105	1609566	17.78	ug/l	99
86) p-Isopropyltoluene	13.29	119	1421378	18.80	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	781959	18.43	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	769755	18.30	ug/l	100
89) n-Butylbenzene	13.62	91	1127299	19.09	ug/l	96
90) Hexachloroethane	13.88	117	66690	3.07	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	775468	18.63	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	61602	18.12	ug/l	85

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VN0626MBS01

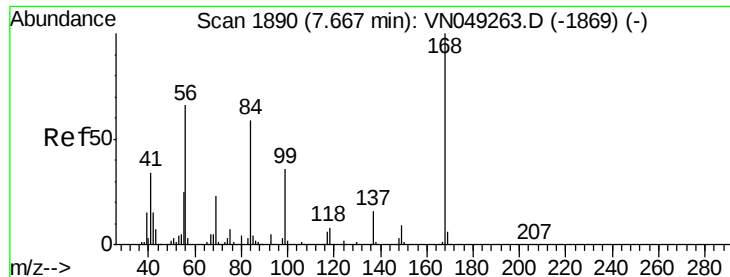
Manual Integrations
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6/27/2018 5:29:46 PM

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	370294	22.31	ug/l	98
94) Hexachlorobutadiene	15.01	225	234970	17.54	ug/l	99
95) Naphthalene	15.14	128	823048	26.93	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	359683	21.41	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBS01

Tot Ion:168 Resp: 1596680

Ion Ratio Lower Upper

168 100

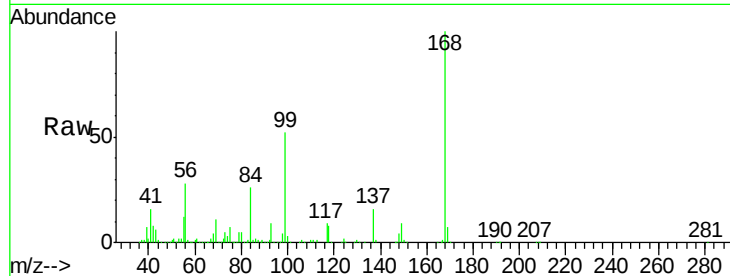
99 52.0 45.8 68.6

Manual Integrations

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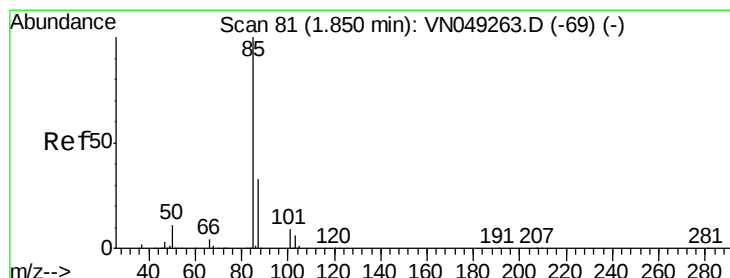
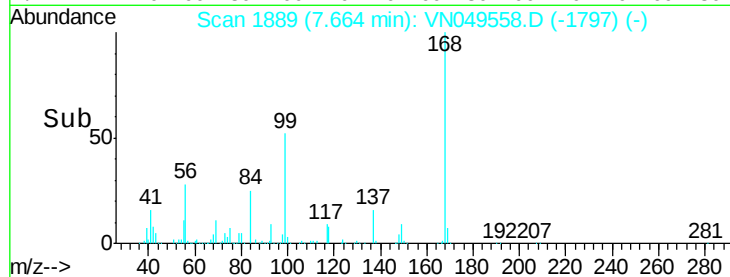
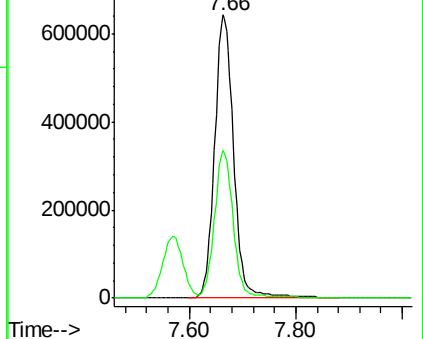
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 15.01 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049558.D

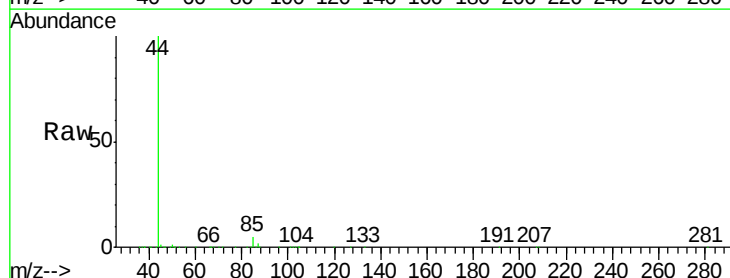
Acq: 26 Jun 2018 17:40

Tgt Ion: 85 Resp: 275820

Ion Ratio Lower Upper

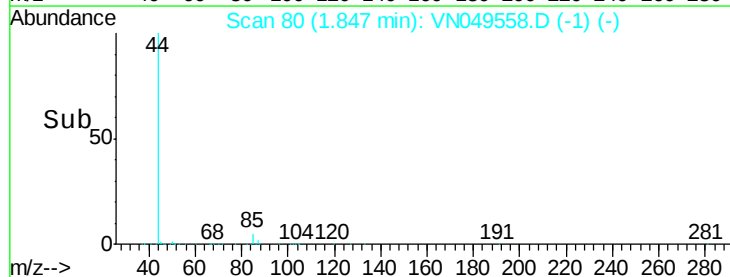
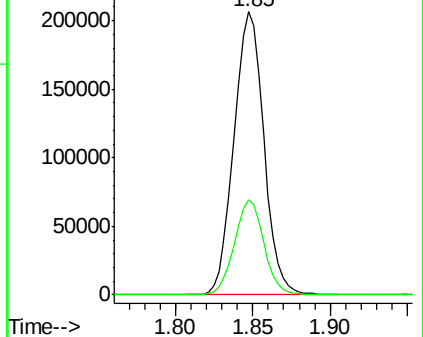
85 100

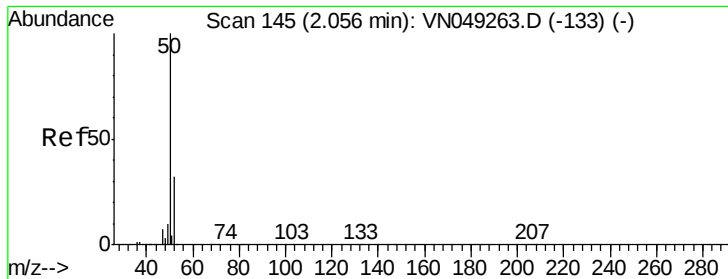
87 33.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 14.93 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBS01

Tot Ion: 50 Resp: 354343

Ion Ratio Lower Upper

50 100

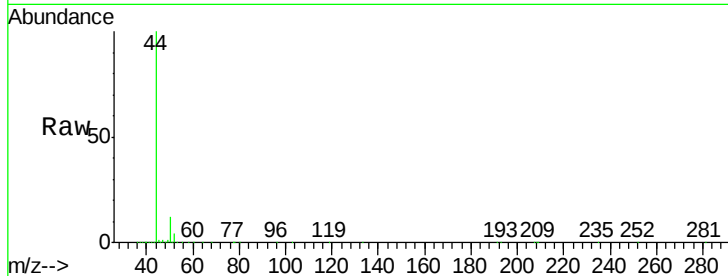
52 33.4 25.2 37.8

Manual Integrations

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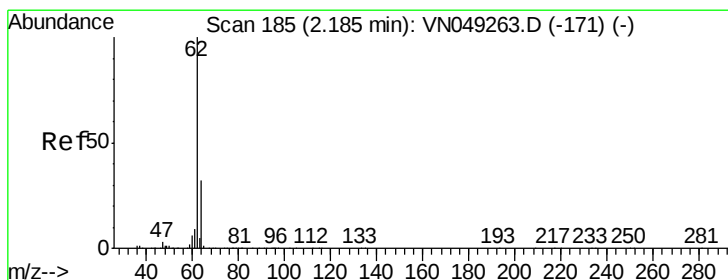
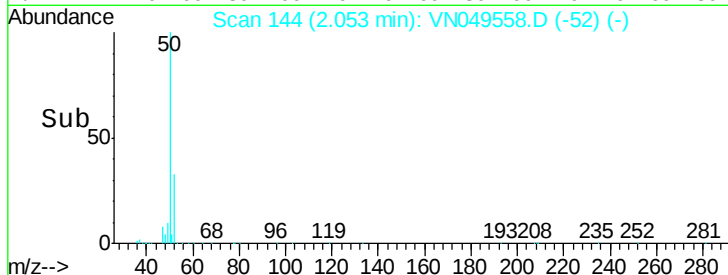
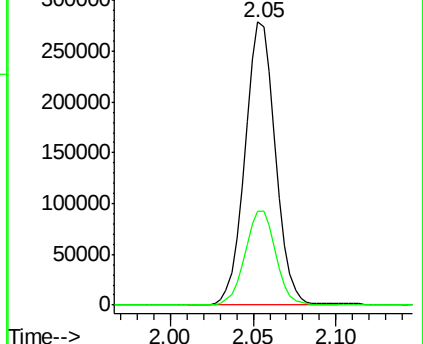
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.11 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049558.D

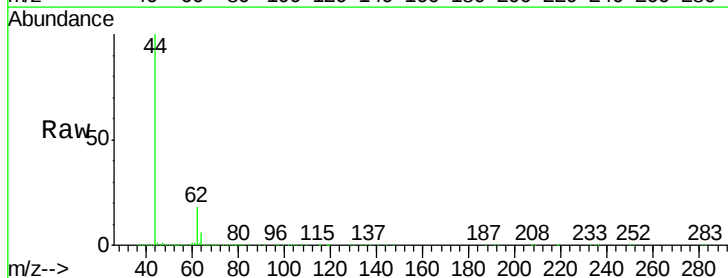
Acq: 26 Jun 2018 17:40

Tgt Ion: 62 Resp: 406369

Ion Ratio Lower Upper

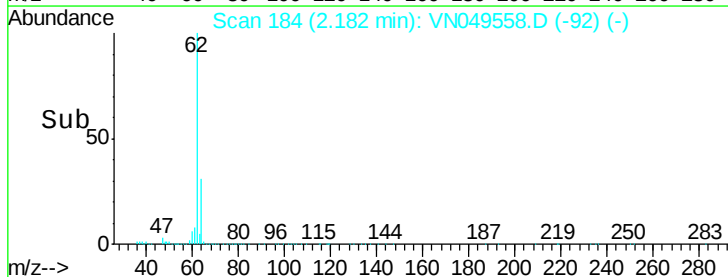
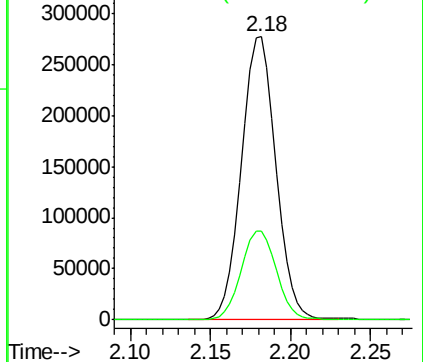
62 100

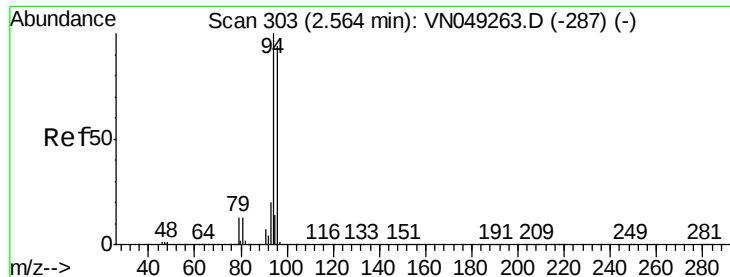
64 31.1 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.80 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBS01

Tot Ion: 94 Resp: 209452

Ion Ratio Lower Upper

94 100

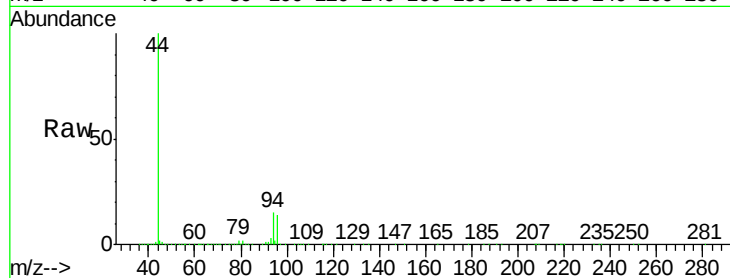
96 91.9 72.8 109.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

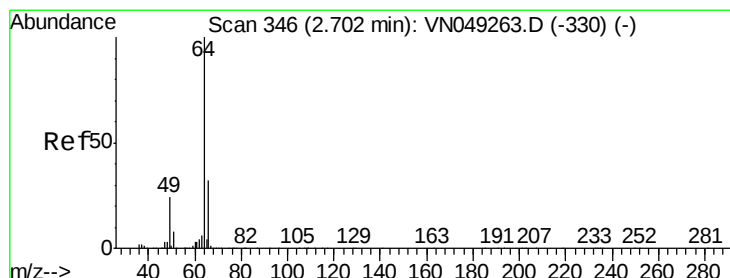
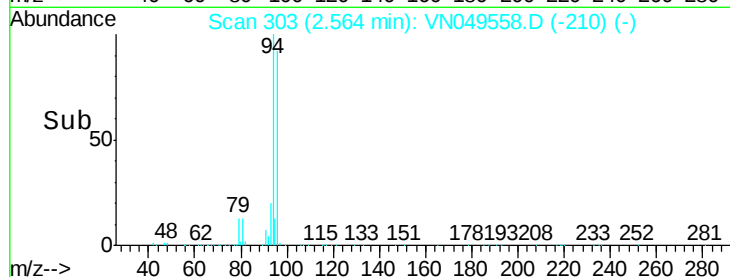
2.56

100000

50000

0

Time-->



#6

Chloroethane

Concen: 17.02 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049558.D

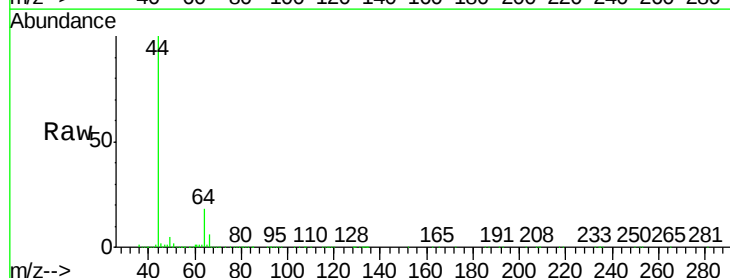
Acq: 26 Jun 2018 17:40

Tgt Ion: 64 Resp: 255967

Ion Ratio Lower Upper

64 100

66 31.0 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

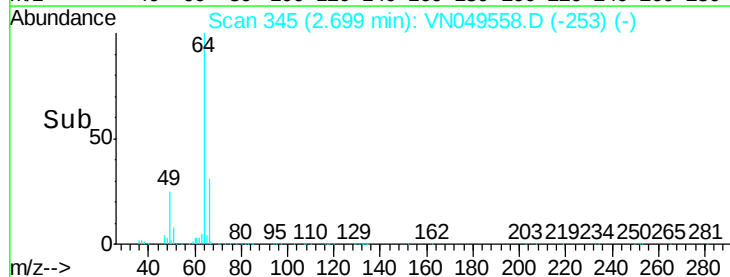
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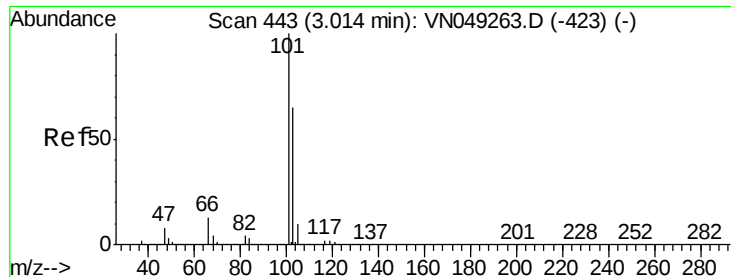
100000

50000

0

Time-->





#7

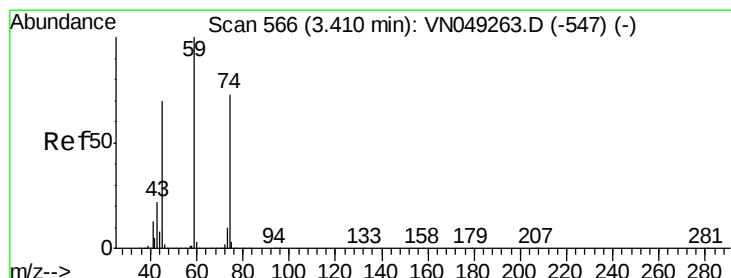
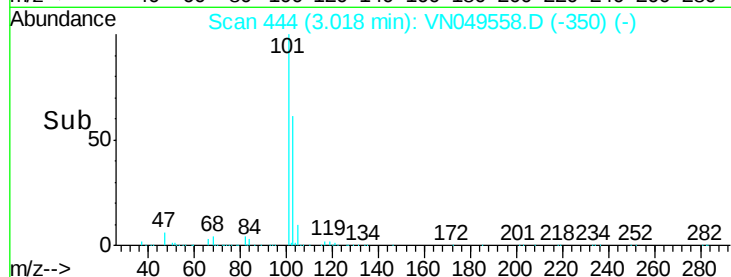
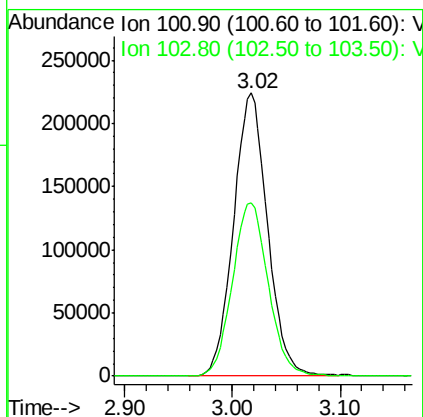
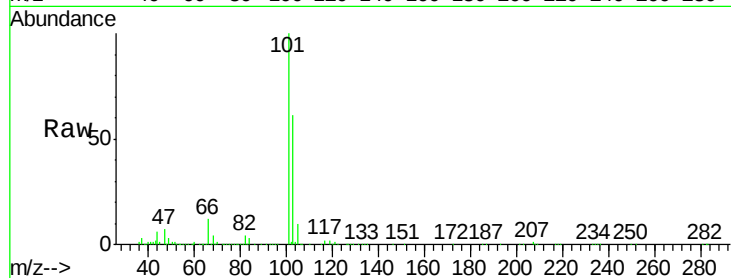
Trichlorofluoromethane
Concen: 15.64 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	51.7	77.5

Manual Integrations
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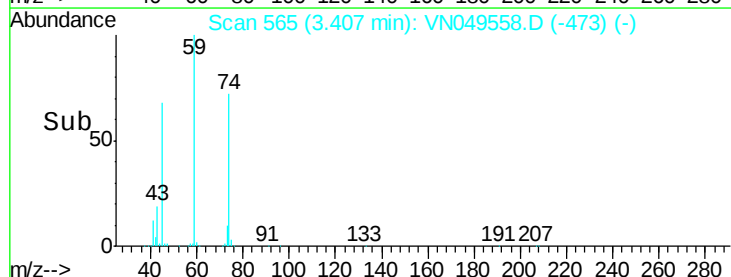
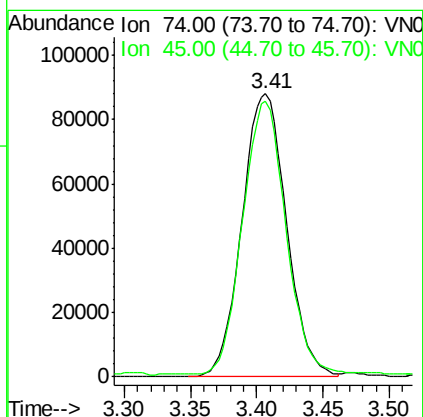
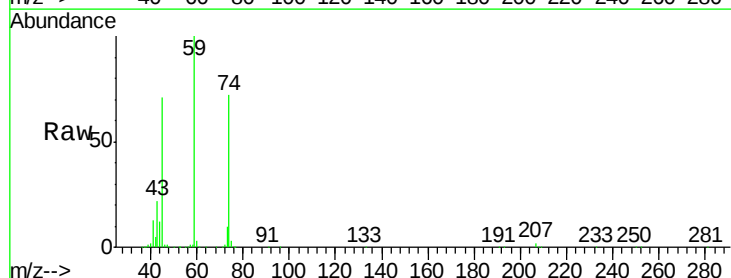
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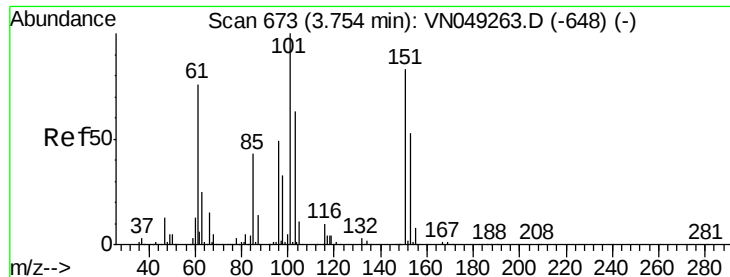


#8

Diethyl Ether
Concen: 18.75 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.73 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN049558.D

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Instrument :

MSVOA_N

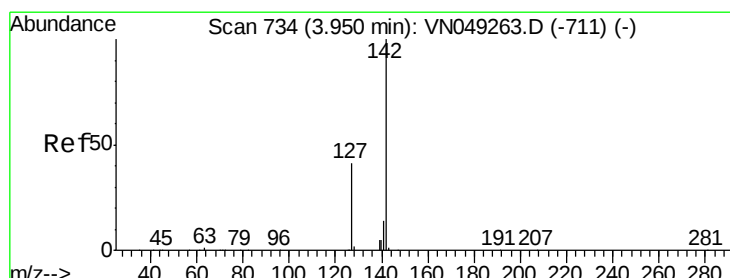
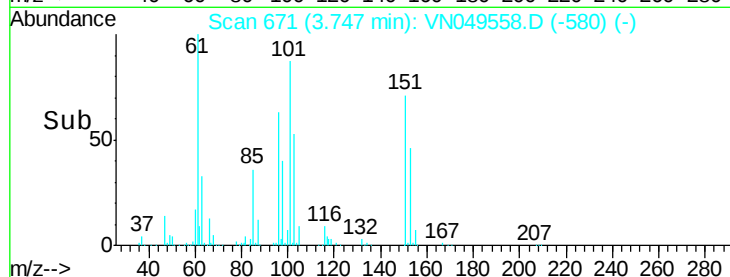
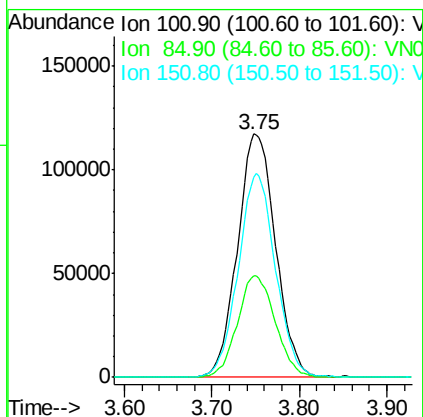
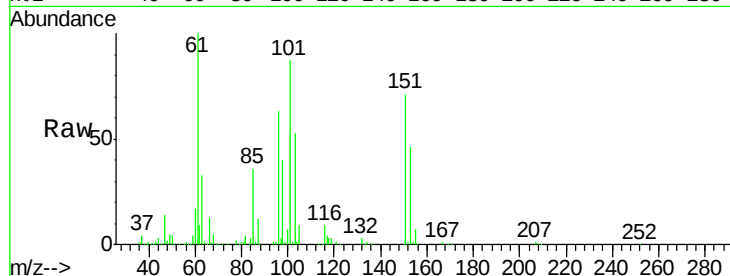
ClientSampled :

VN0626MBS01

Tot Ion:	101	Resp:	353897
Ion Ratio	Lower	Upper	
101	100		
85	41.4	37.6	56.4
151	82.0	61.1	91.7

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#10

Methyl Iodide

Concen: 20.58 ug/l

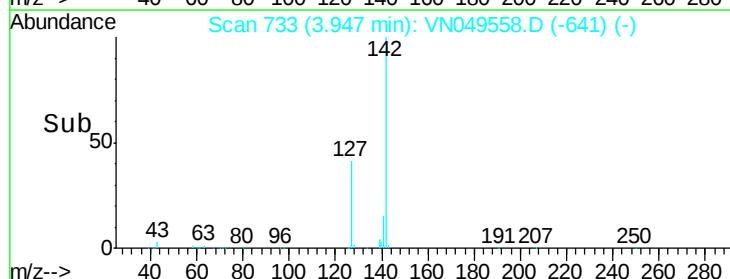
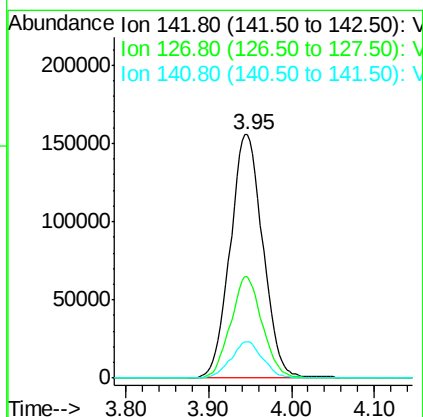
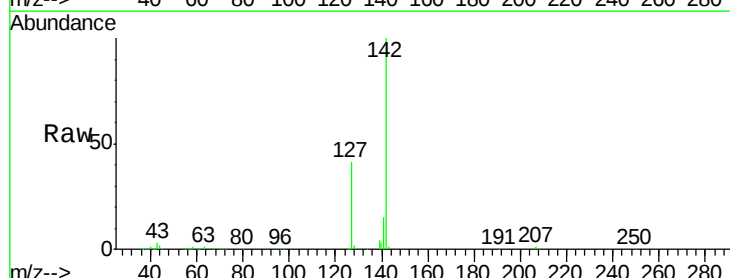
RT: 3.95 min Scan# 733

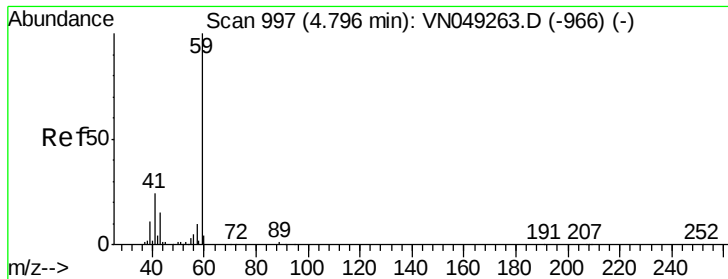
Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Tgt Ion:	142	Resp:	427546
Ion Ratio	Lower	Upper	
142	100		
127	40.4	38.2	57.4
141	14.5	11.9	17.9





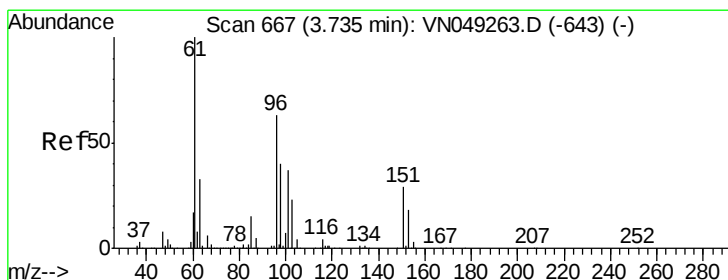
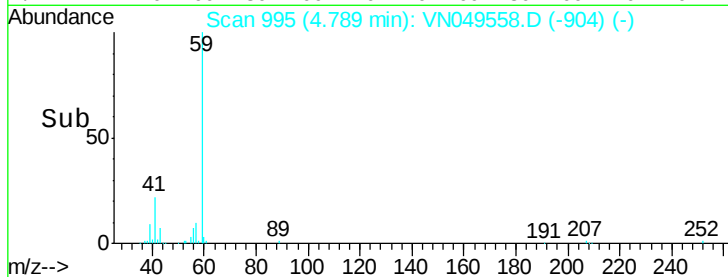
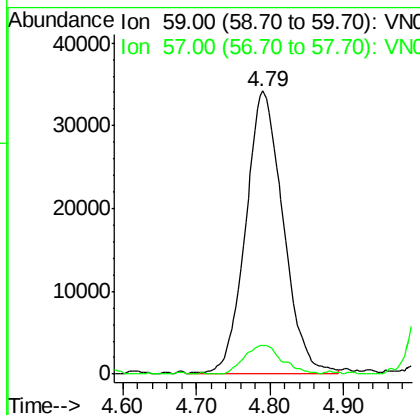
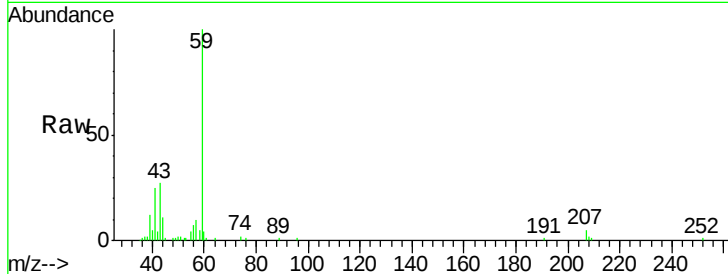
#11
Tert butyl alcohol
Concen: 97.71 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	9.0	13.6

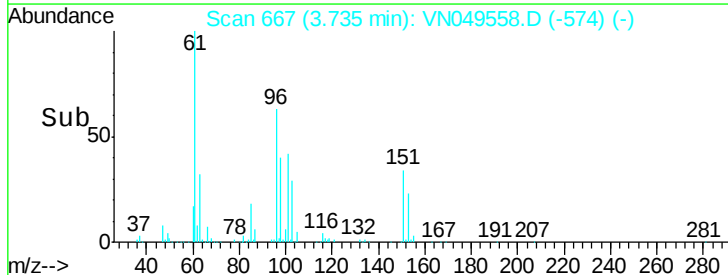
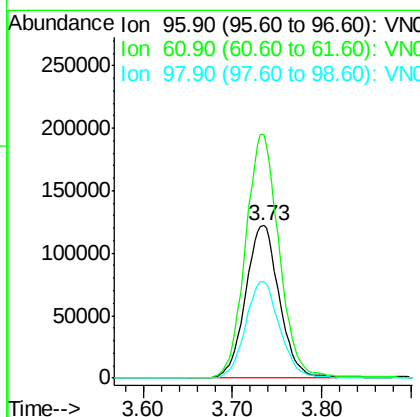
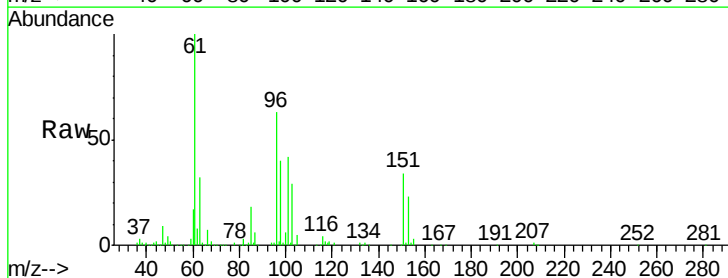
Manual Integrations
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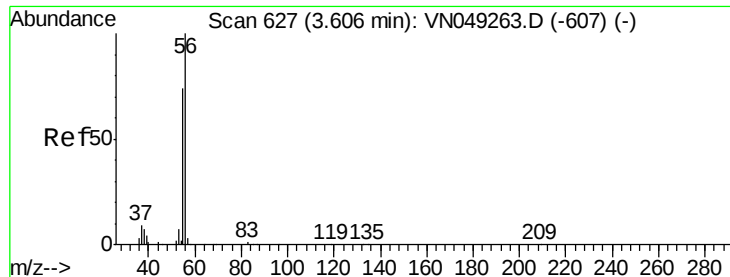
MMDadoda
6/27/2018 5:29:46 PM



#12
1,1-Dichloroethene
Concen: 17.59 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	141.0	211.4
98	63.4	50.4	75.6





#13

Acrolein

Concen: 89.77 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBS01

Tot Ion: 56 Resp: 117010

Ion Ratio Lower Upper

56 100

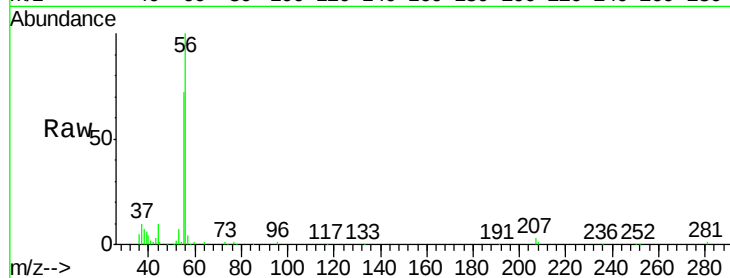
55 74.0 57.1 85.7

Manual Integrations

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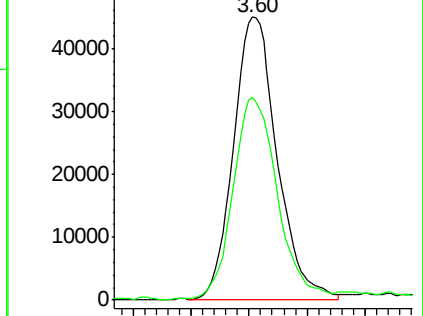
MMDadoda

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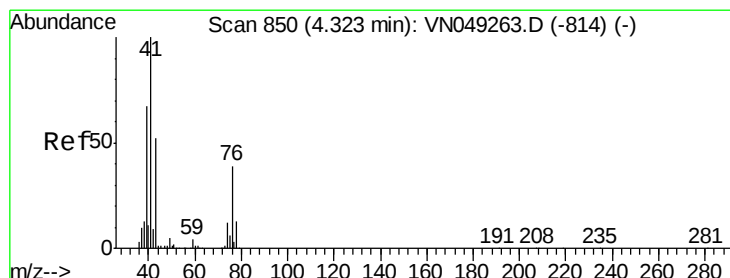
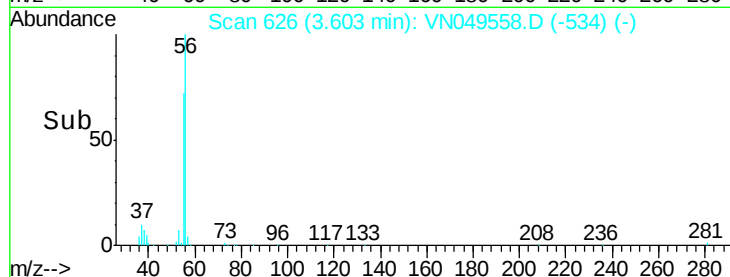


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 15.72 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

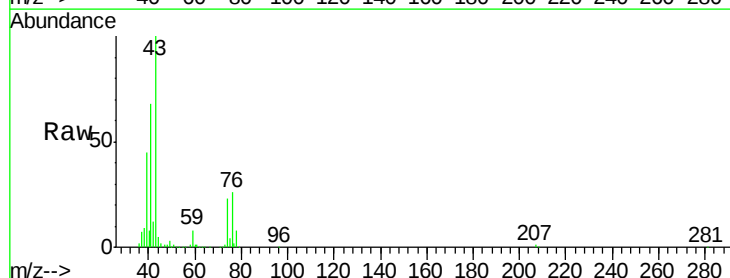
Tgt Ion: 41 Resp: 454536

Ion Ratio Lower Upper

41 100

39 64.2 62.5 93.7

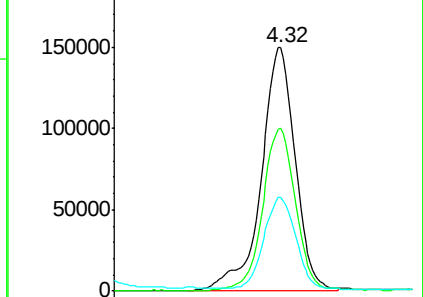
76 34.8 27.1 40.7



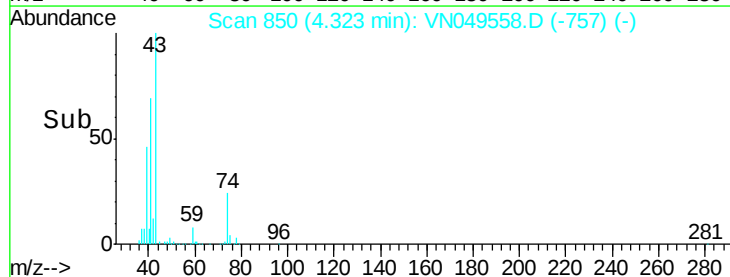
Abundance Ion 41.00 (40.70 to 41.70): VN0

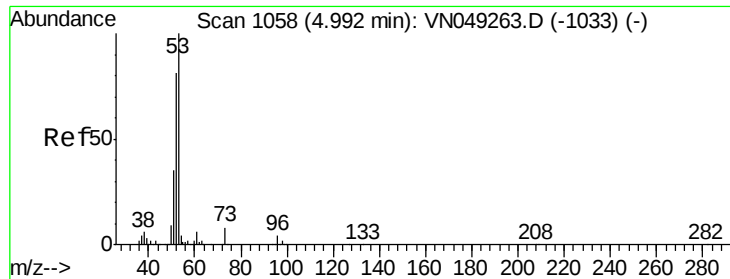
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





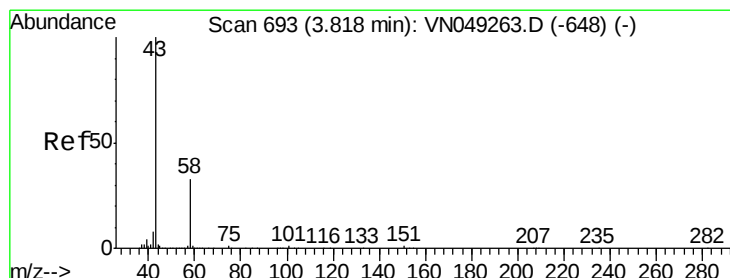
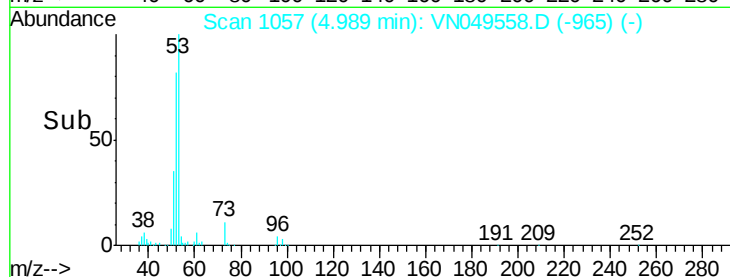
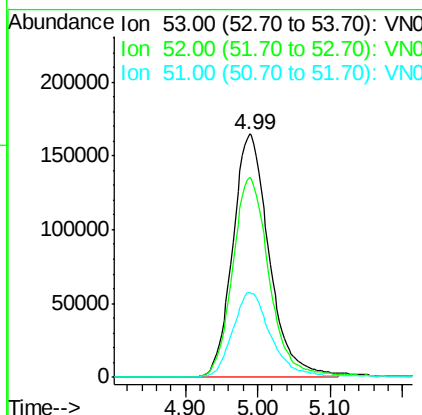
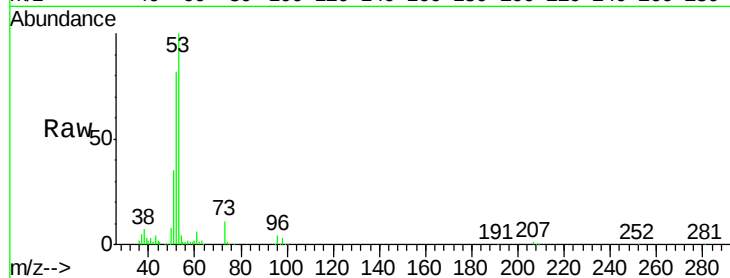
#15
 Acrylonitrile
 Concen: 92.93 ug/l
 RT: 4.99 min Scan# 1057
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626MBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	100.0
51	36.6	29.8	44.8

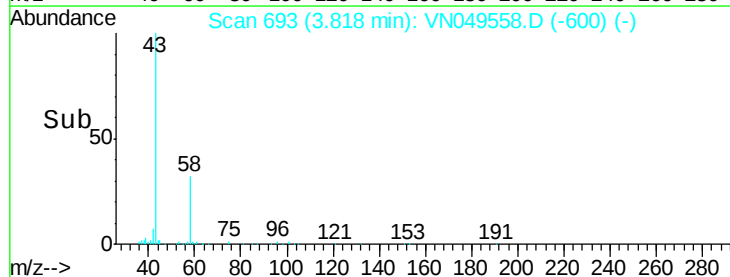
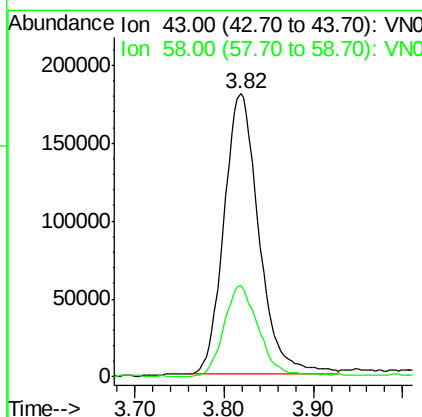
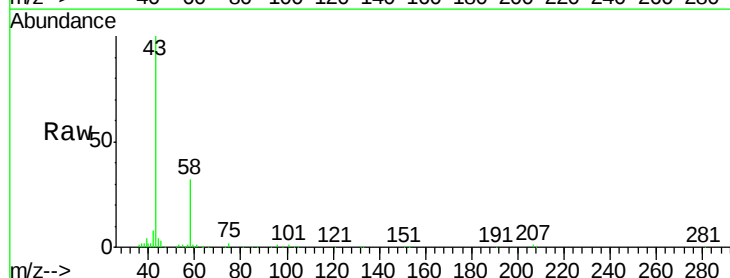
Manual Integrations
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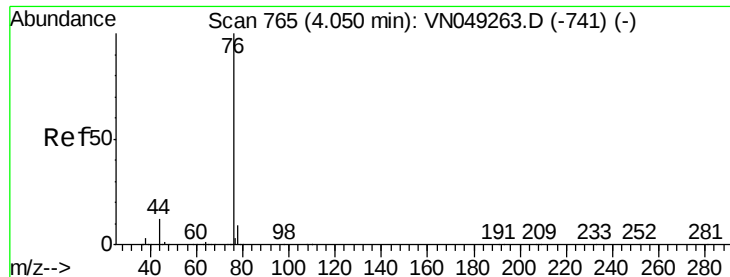
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#16
 Acetone
 Concen: 95.10 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	22.4	33.6





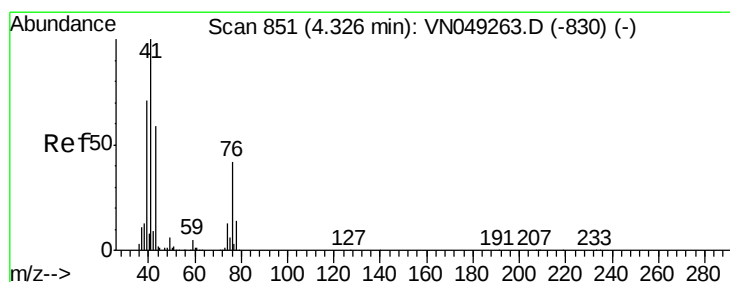
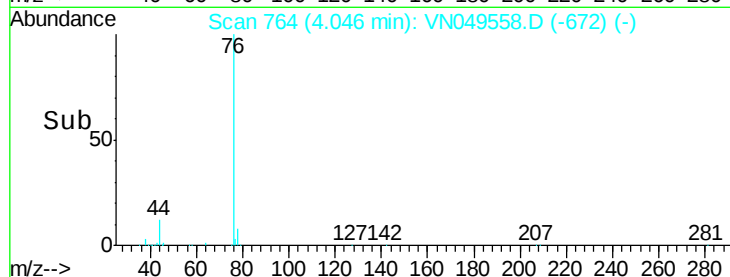
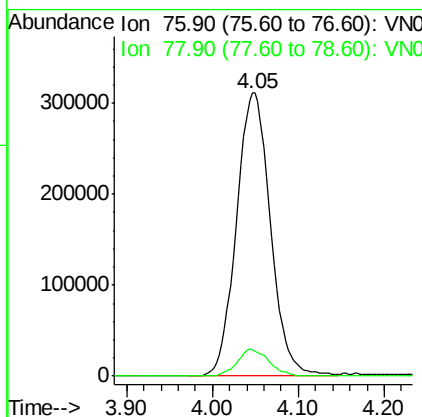
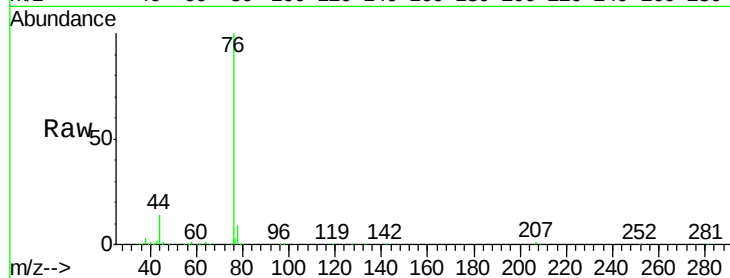
#17
Carbon Disulfide
Concen: 14.94 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.4	11.0

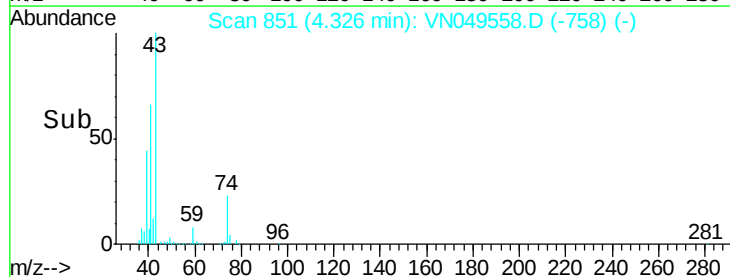
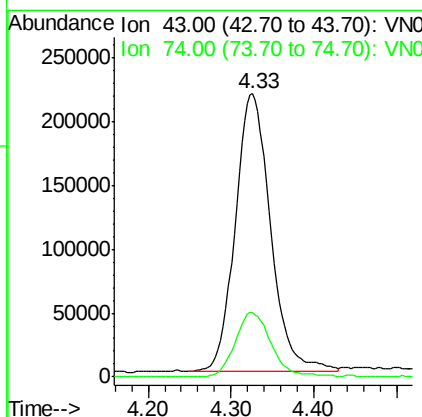
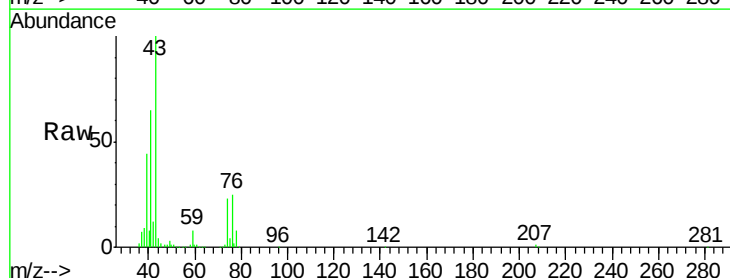
Manual Integrations
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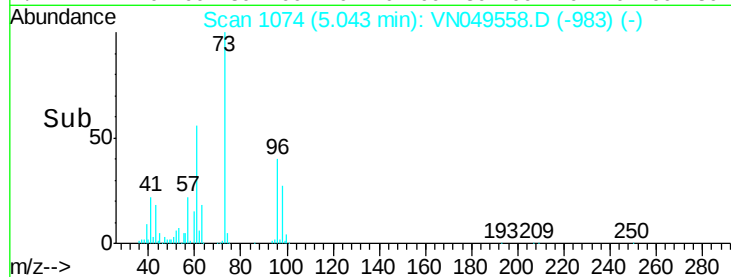
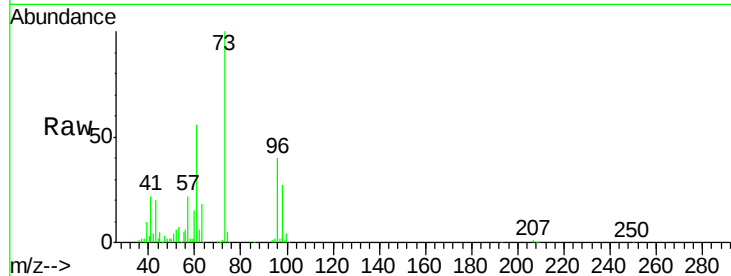
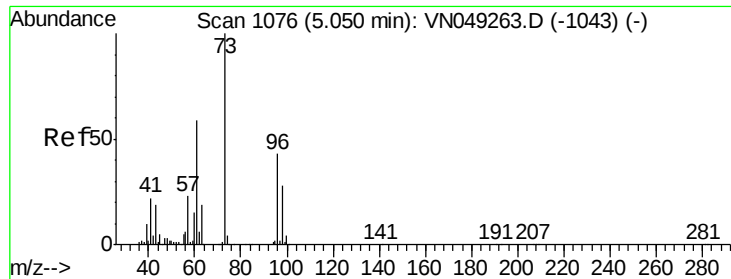
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#18
Methyl Acetate
Concen: 41.22 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.4	26.0





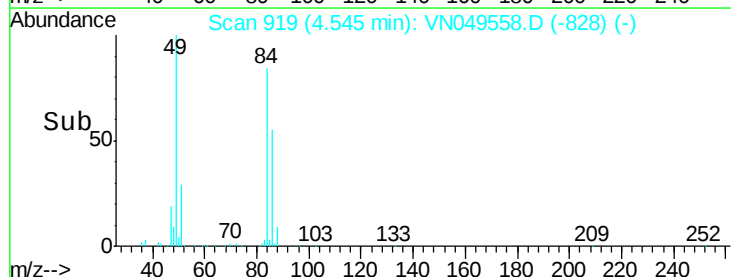
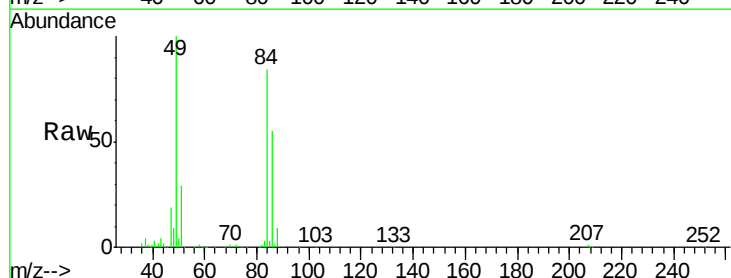
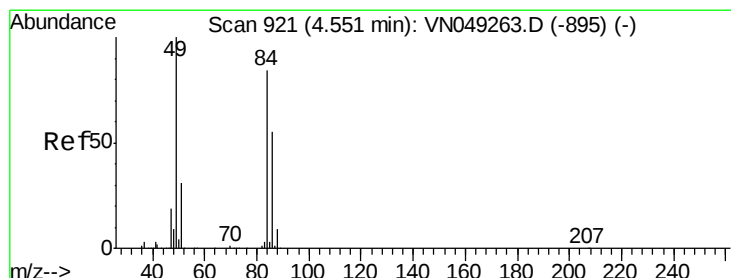
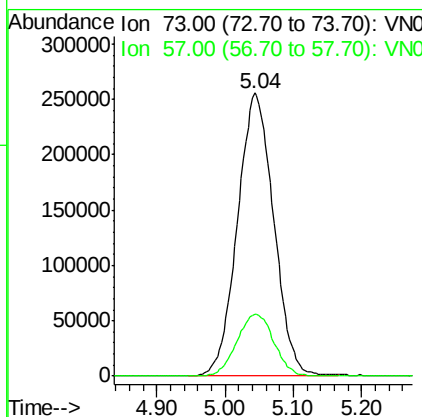
#19
Methyl tert-butyl Ether
Concen: 20.20 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tot Ion: 73 Resp: 942863
Ion Ratio Lower Upper
73 100
57 21.9 18.2 27.4

Instrument :
MSVOA_N
ClientSampled :
VN0626MBS01

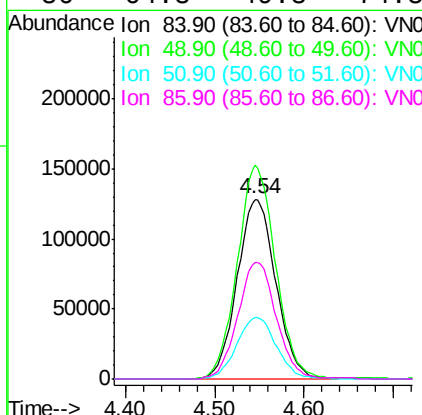
Manual Integrations
APPROVED

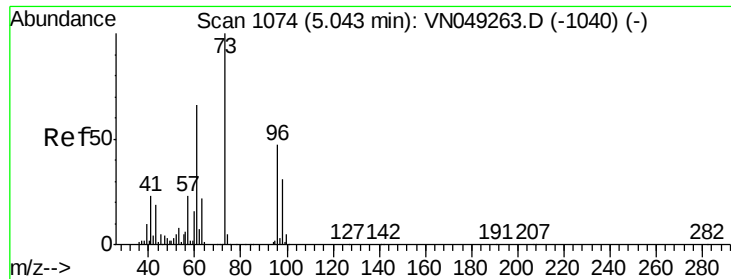
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#20
Methylene Chloride
Concen: 18.03 ug/l
RT: 4.54 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion: 84 Resp: 387115
Ion Ratio Lower Upper
84 100
49 118.8 106.9 160.3
51 34.5 32.7 49.1
86 64.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 17.70 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

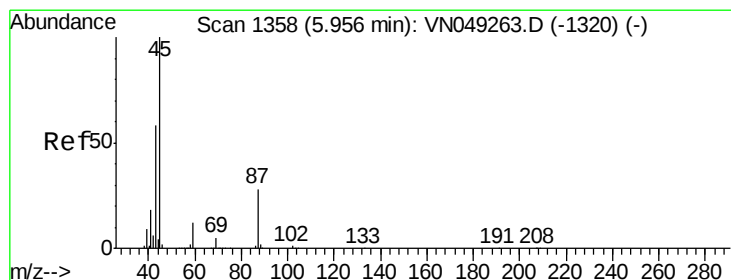
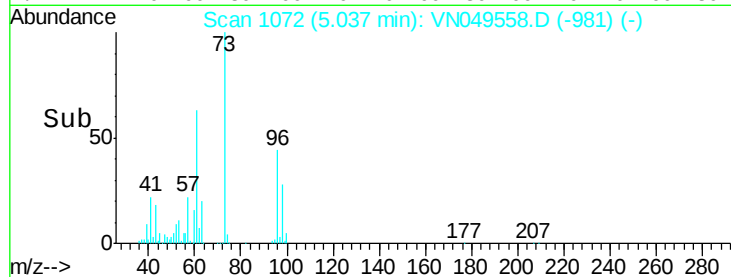
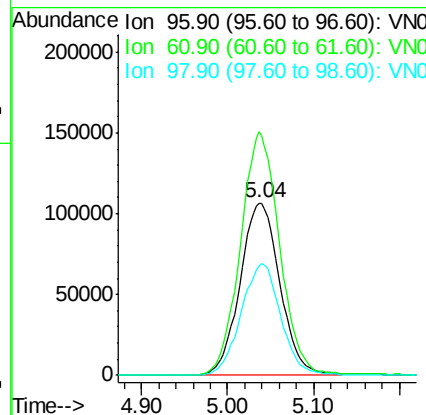
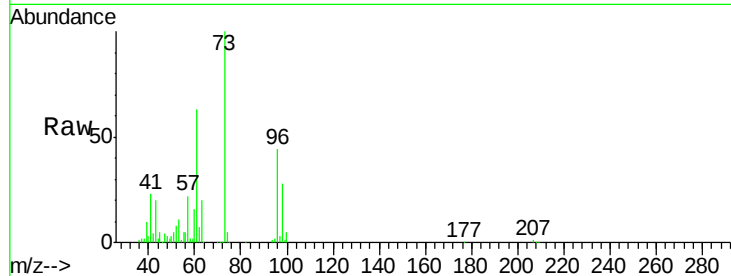
ClientSampleId :

VN0626MBS01

Tot Ion:	96	Resp:	343032
Ion	Ratio	Lower	Upper
96	100		
61	141.4	121.3	181.9
98	63.8	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.57 ug/l

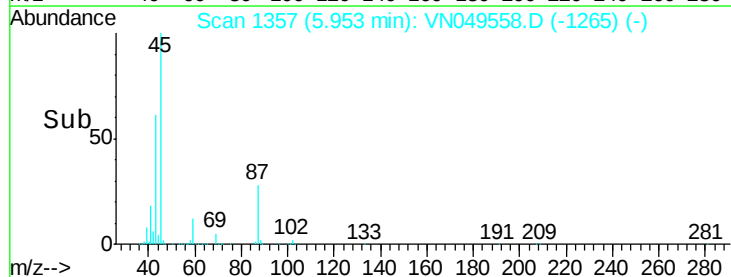
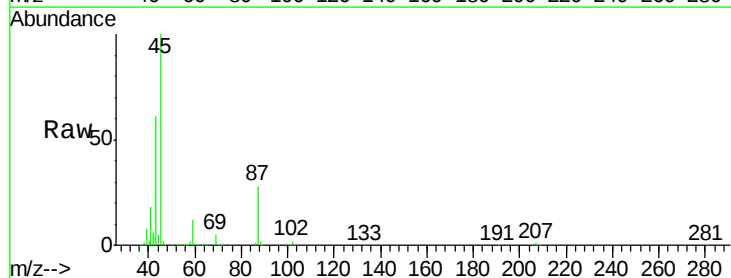
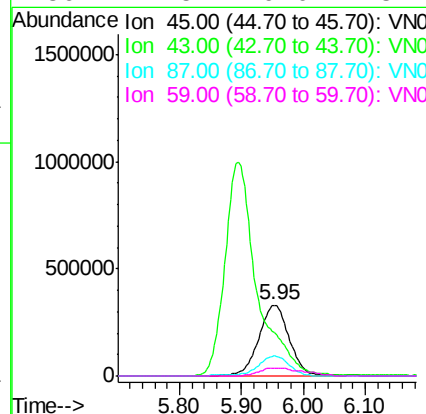
RT: 5.95 min Scan# 1357

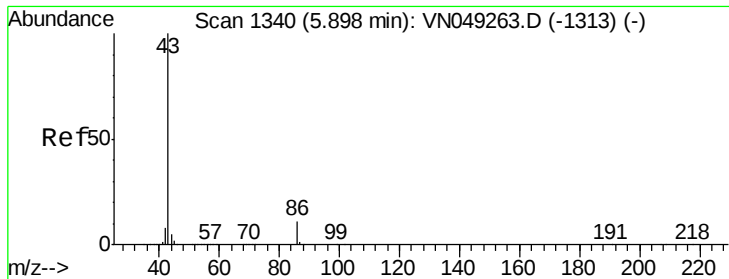
Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Tgt Ion:	45	Resp:	1129730
Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	72.8
87	27.8	20.2	30.2
59	11.5	9.0	13.4





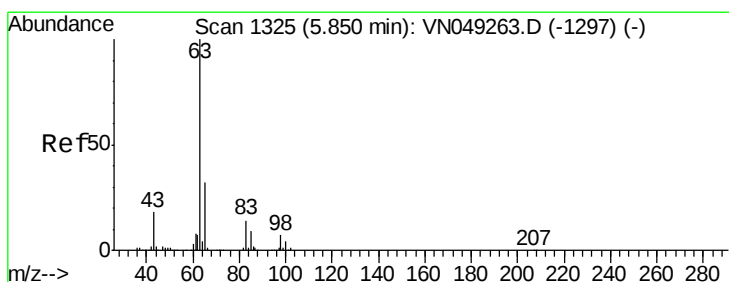
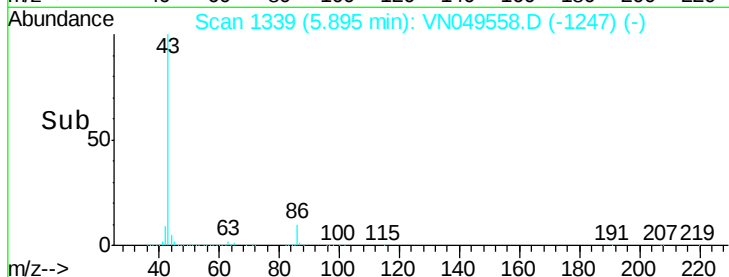
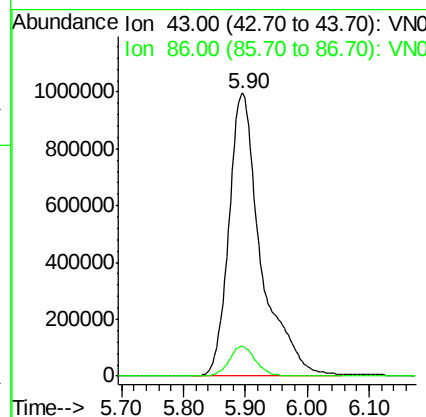
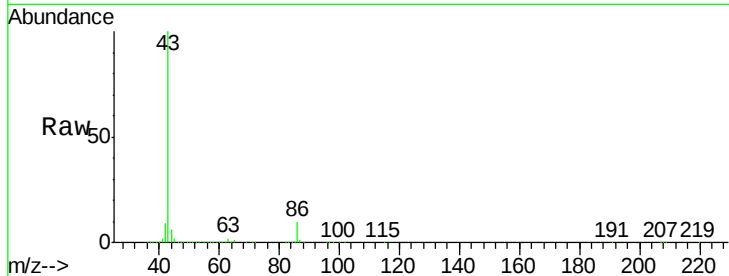
#23
 Vinyl Acetate
 Concen: 95.20 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0626MBS01

Tot Ion: 43 Resp: 3582611
 Ion Ratio Lower Upper
 43 100
 86 10.4 7.2 10.8

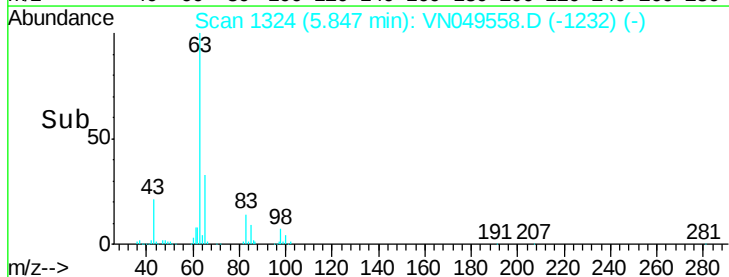
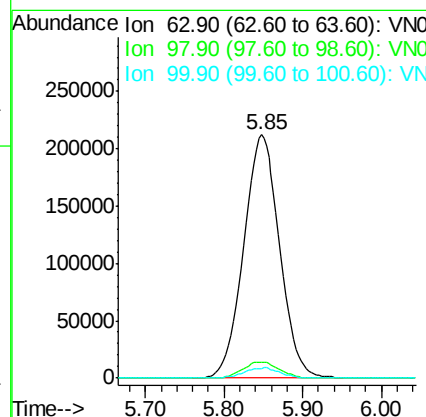
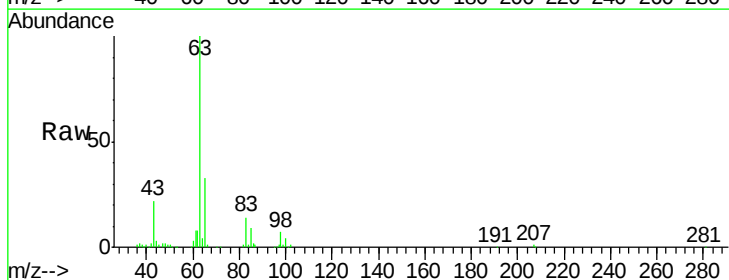
Manual Integrations
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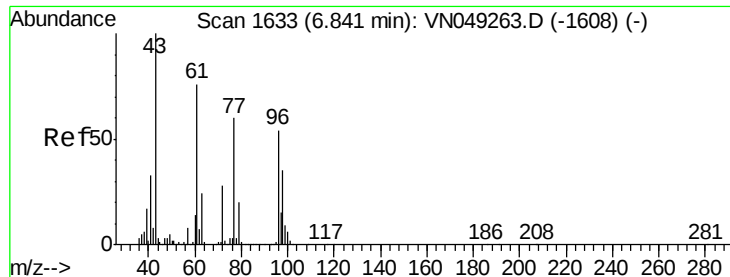
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 18.43 ug/l
 RT: 5.85 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Tgt Ion: 63 Resp: 680839
 Ion Ratio Lower Upper
 63 100
 98 6.7 2.9 8.8
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 91.48 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBS01

Tot Ion: 43 Resp: 631627

Ion Ratio Lower Upper

43 100

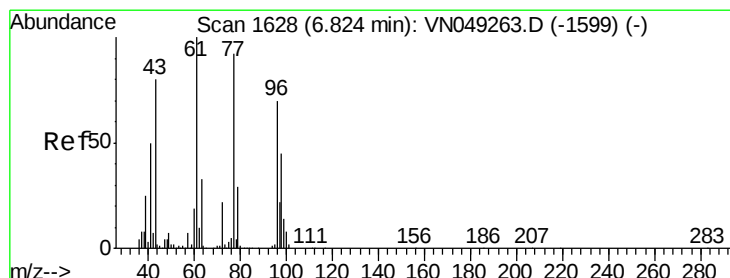
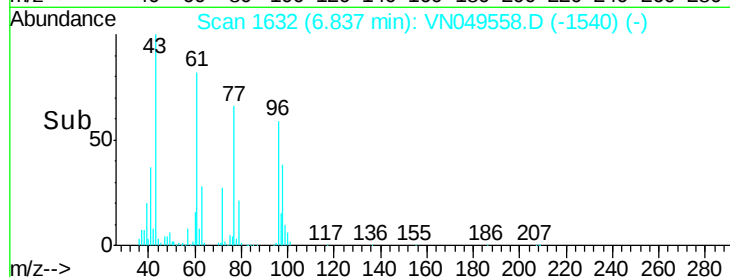
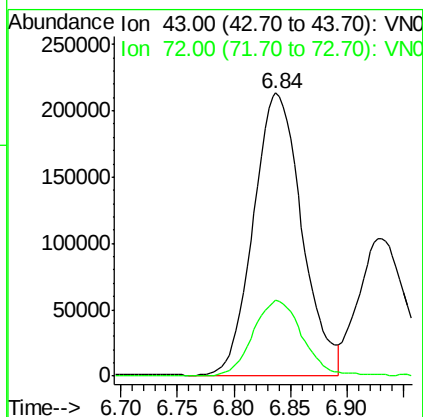
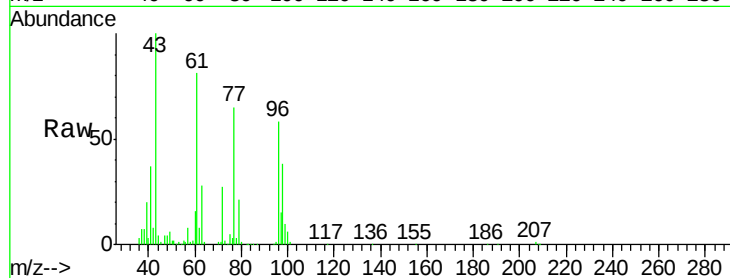
72 26.7 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.41 ug/l

RT: 6.82 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VN049558.D

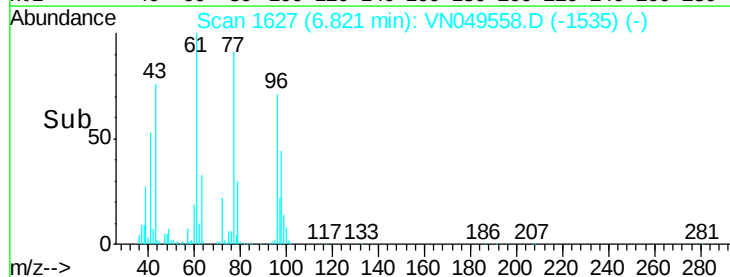
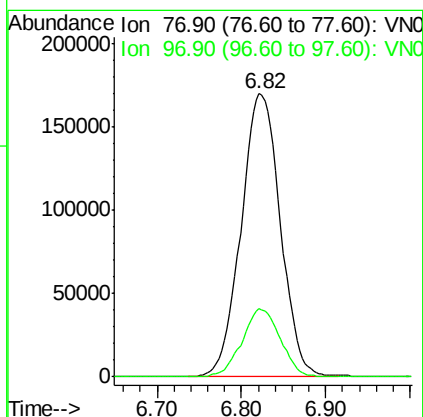
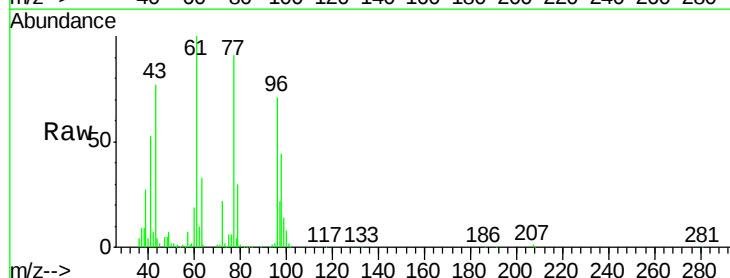
Acq: 26 Jun 2018 17:40

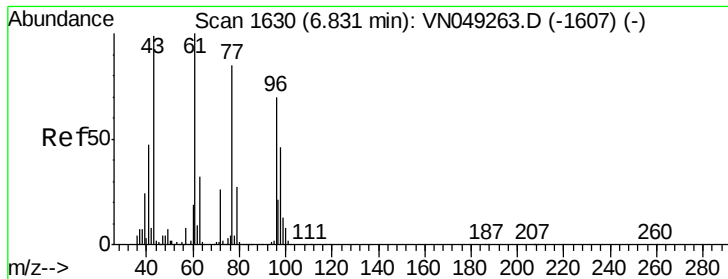
Tgt Ion: 77 Resp: 549425

Ion Ratio Lower Upper

77 100

97 23.4 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 18.90 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.01 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

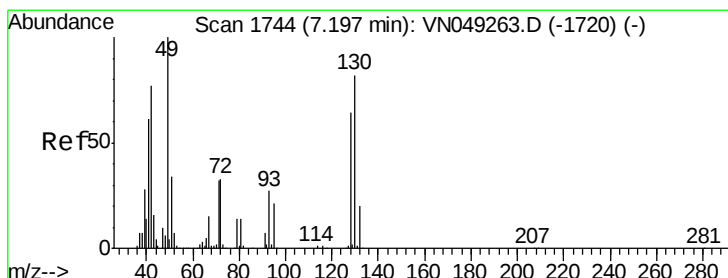
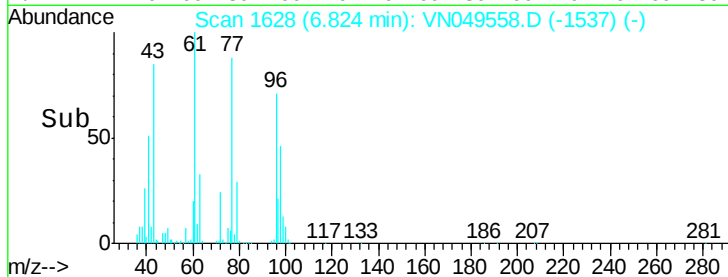
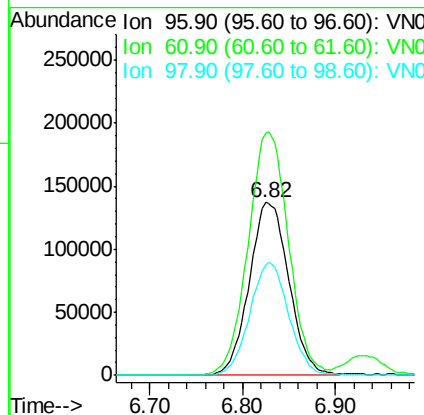
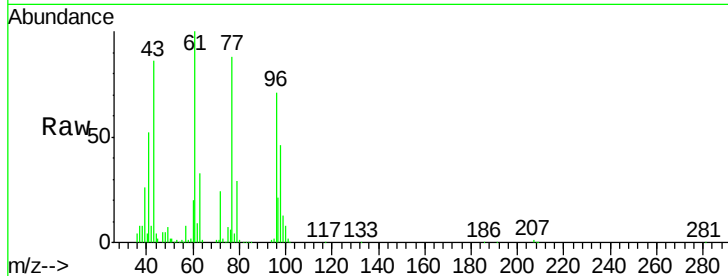
ClientSampleId :

VN0626MBS01

Tot Ion:	96	Resp:	407305
Ion Ratio	Lower	Upper	
96	100		
61	143.0	0.0	316.4
98	64.6	0.0	128.4

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#28

Bromochloromethane

Concen: 18.51 ug/l

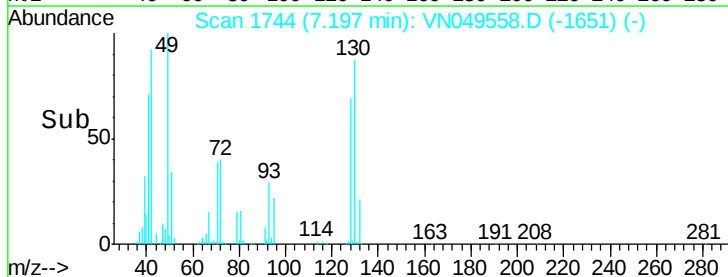
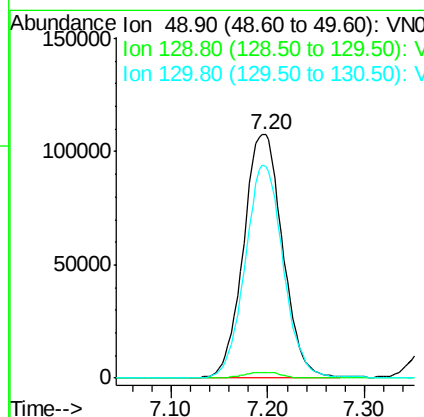
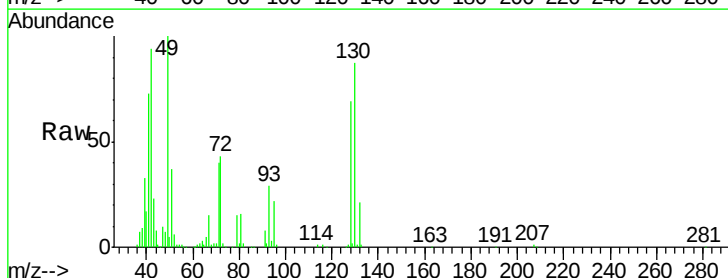
RT: 7.20 min Scan# 1744

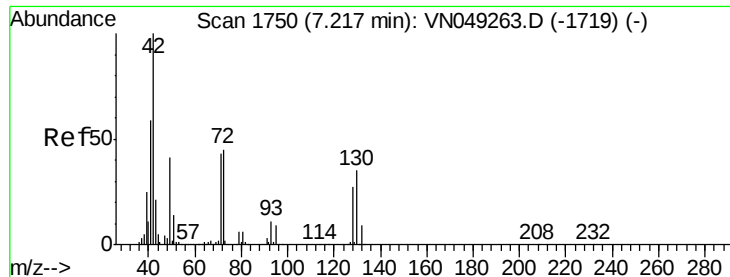
Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Tgt Ion:	49	Resp:	303163
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	3.8
130	84.8	54.9	82.3#





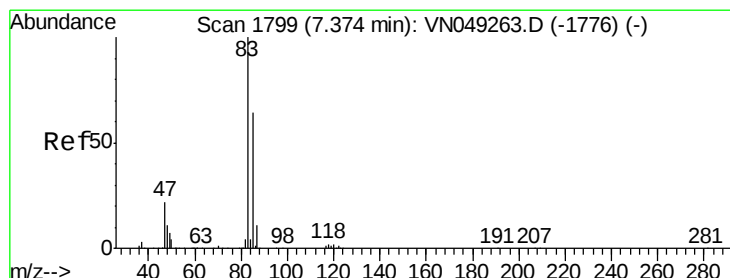
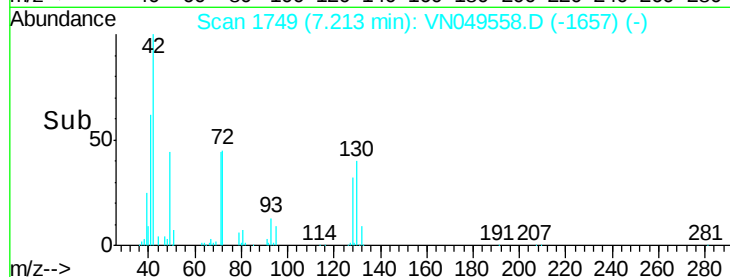
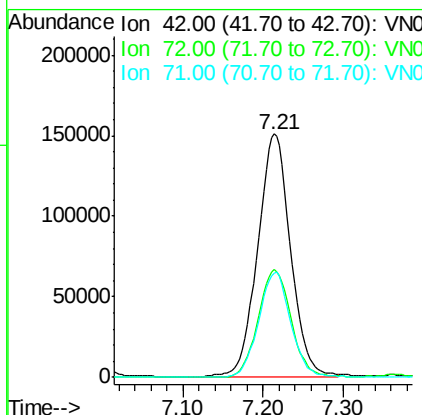
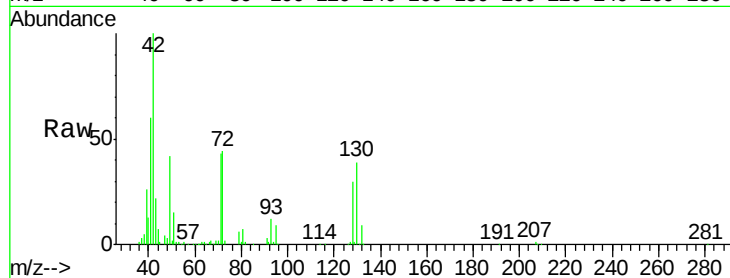
#29
Tetrahydrofuran
Concen: 95.52 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	32.2	48.4
71	42.6	30.5	45.7

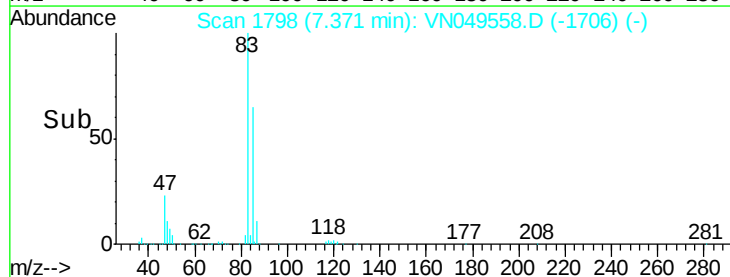
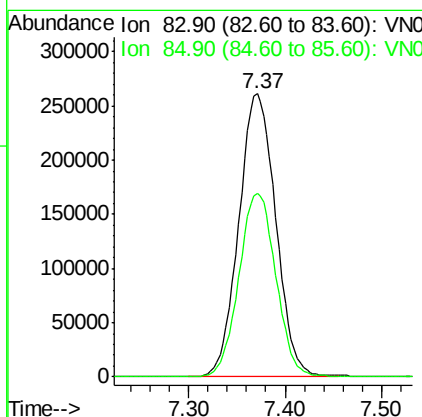
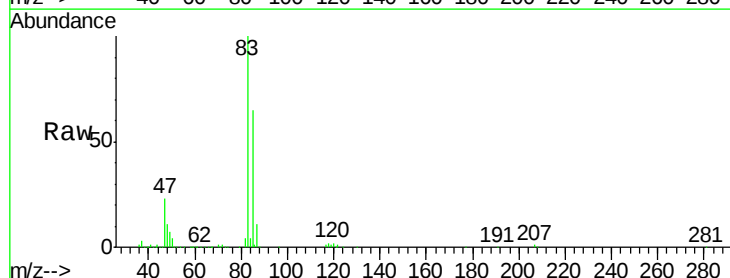
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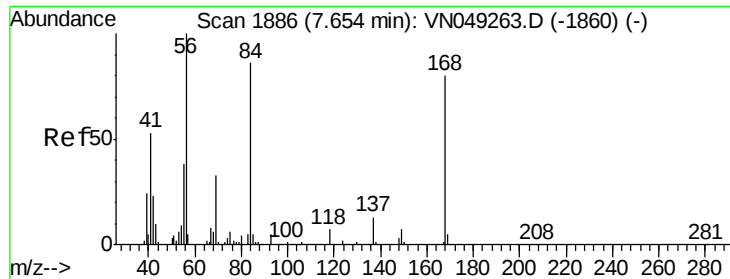
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#30
Chloroform
Concen: 18.87 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.7	77.5





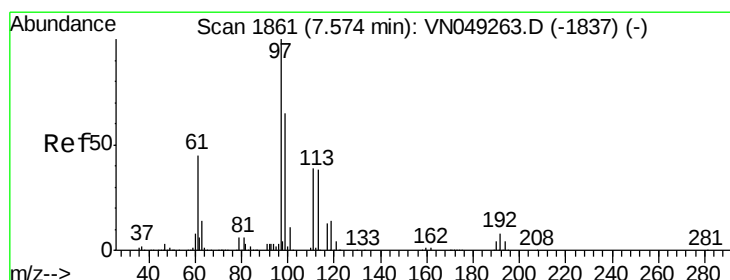
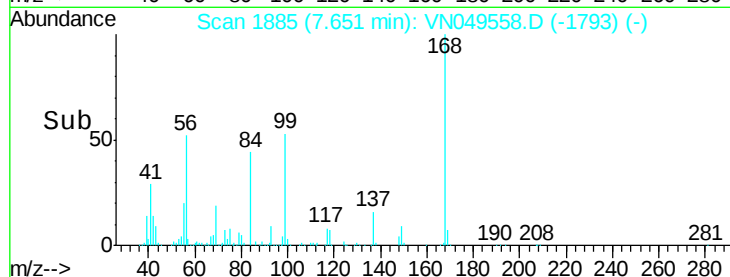
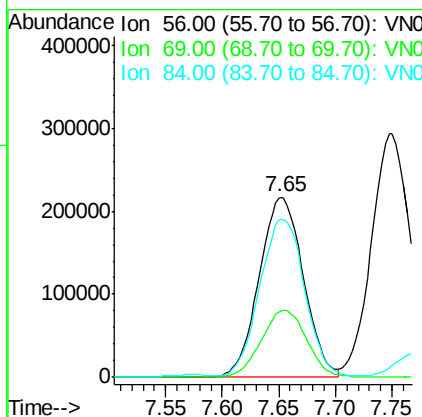
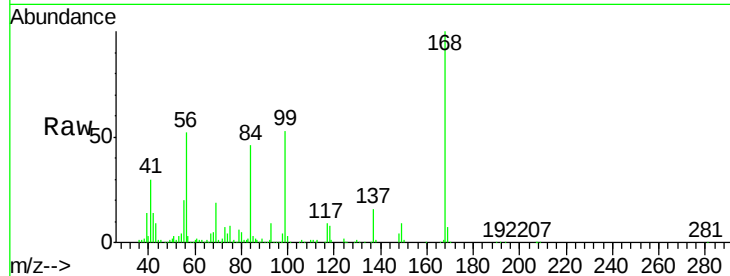
#31
Cvclohexane
Concen: 18.66 ug/l
RT: 7.65 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	25.0	37.4
84	85.8	64.6	96.8

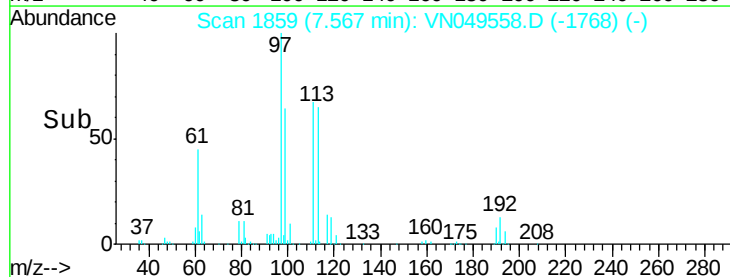
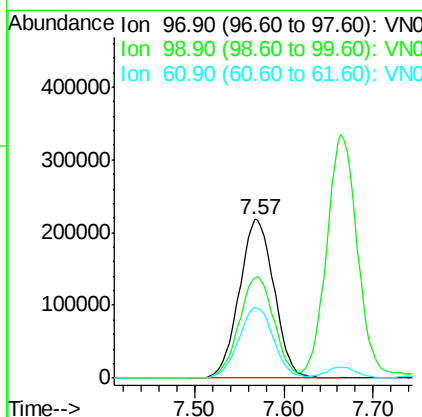
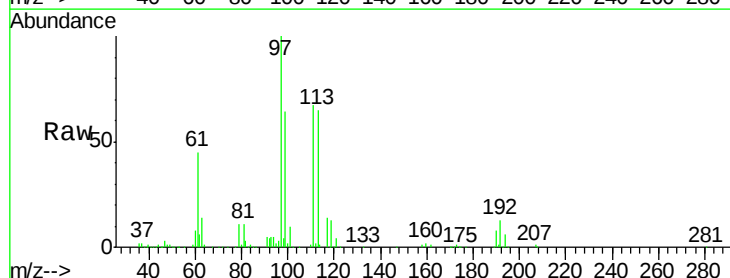
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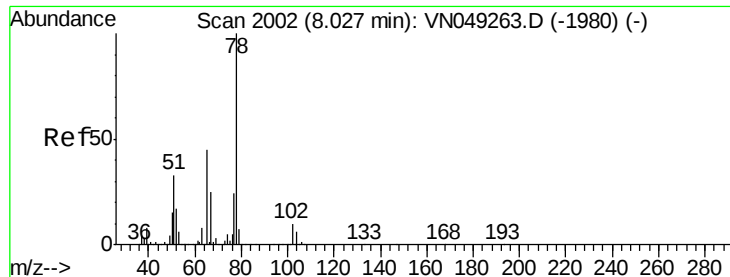
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#32
1,1,1-Trichloroethane
Concen: 18.80 ug/l
RT: 7.57 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.5	75.7
61	44.6	37.9	56.9





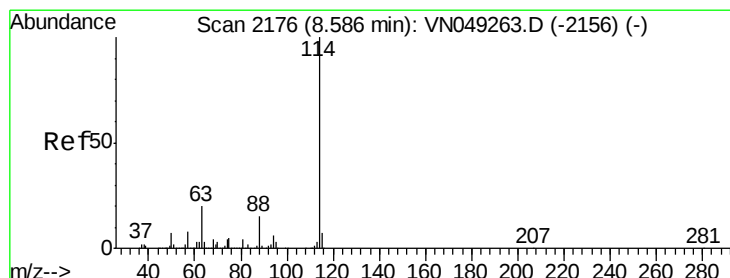
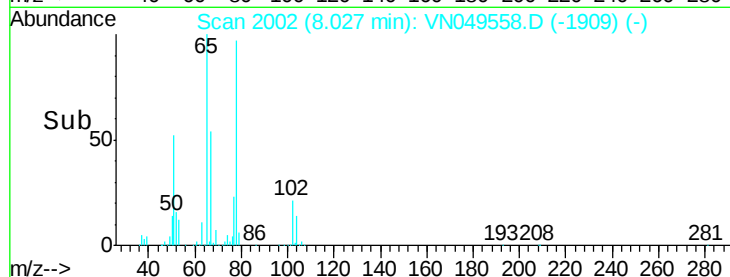
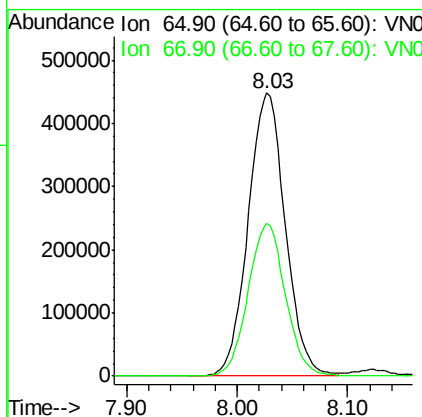
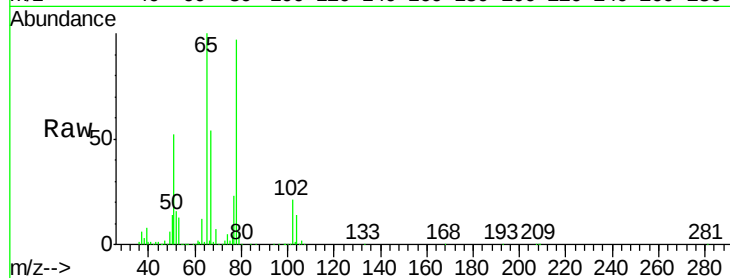
#33
 1,2-Dichloroethane-d4
 Concen: 49.38 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626MBS01

Tot Ion: 65 Resp: 1045668
 Ion Ratio Lower Upper
 65 100
 67 54.2 0.0 103.8

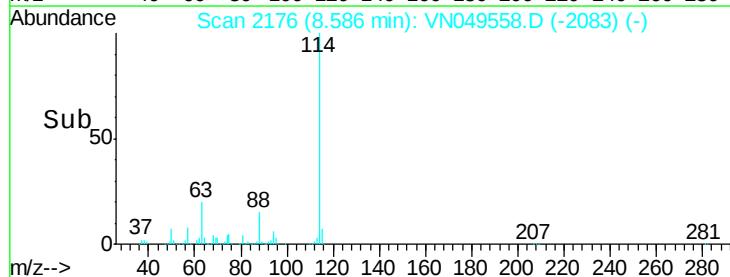
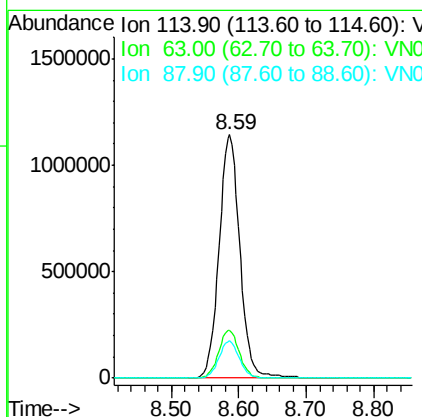
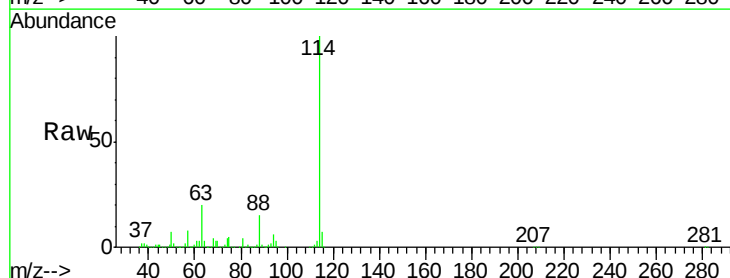
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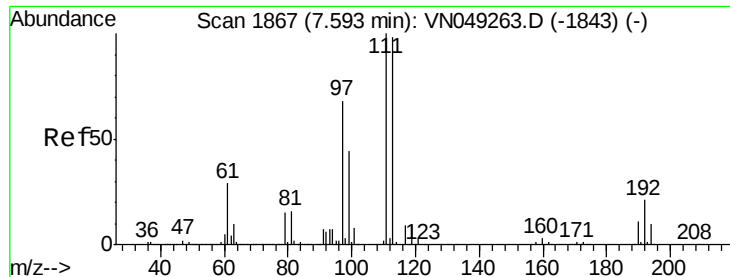
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Tgt Ion: 114 Resp: 2470309
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 44.4
 88 15.3 0.0 31.4





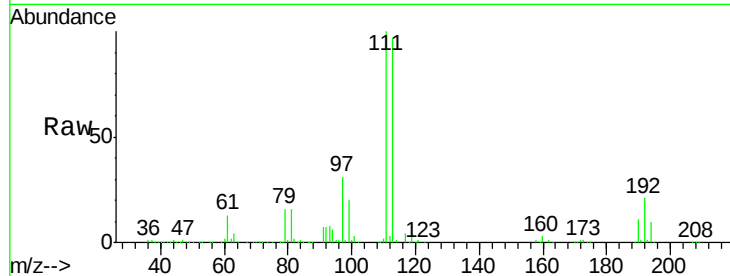
#35
Dibromofluoromethane
Concen: 46.31 ug/l
RT: 7.59 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

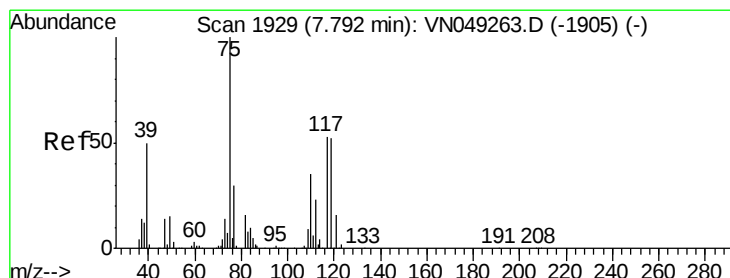
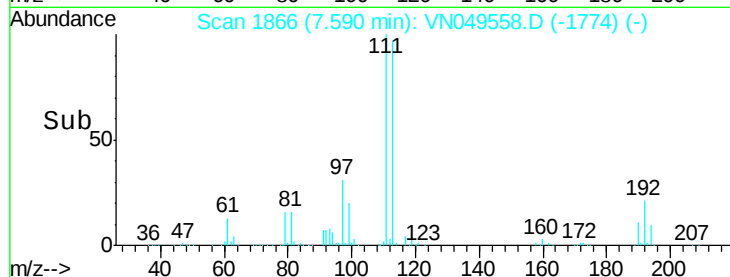
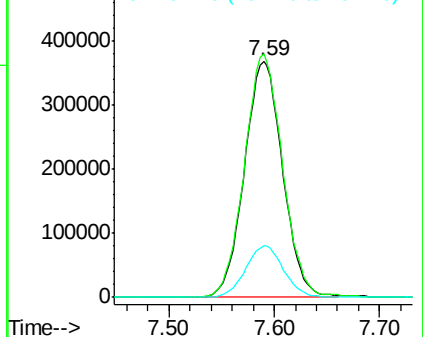
Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.5	82.4	123.6	
192	21.9	15.0	22.6	

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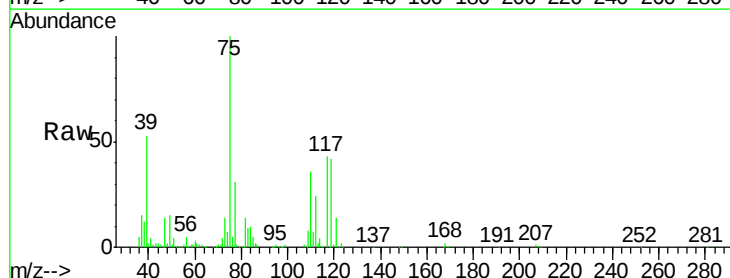


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

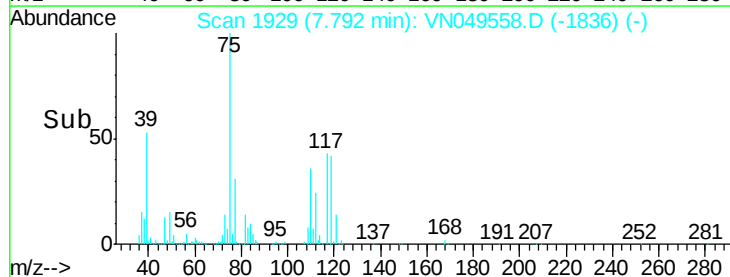
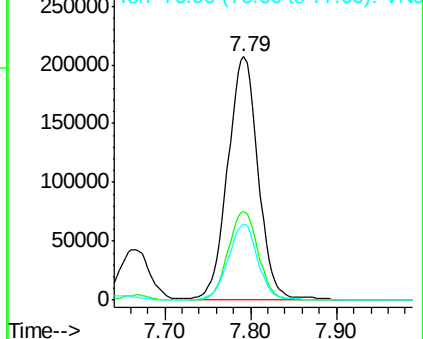


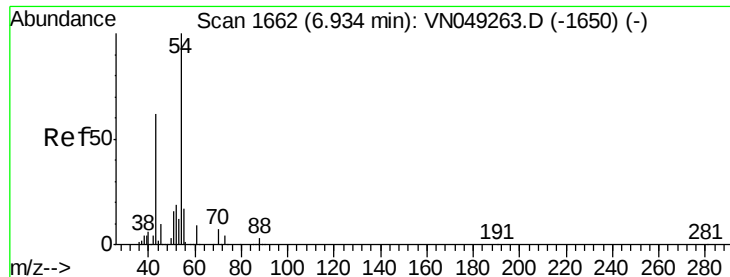
#36
1,1-Dichloropropene
Concen: 17.90 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.2	17.0	50.9	
77	30.1	24.4	36.6	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





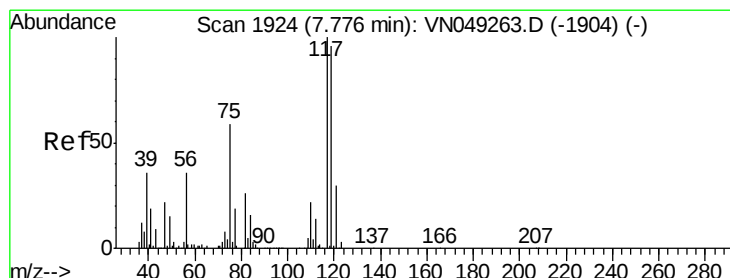
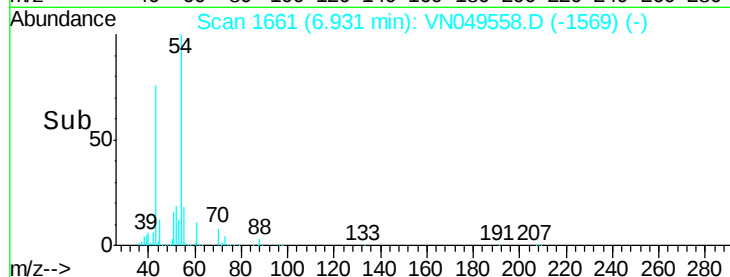
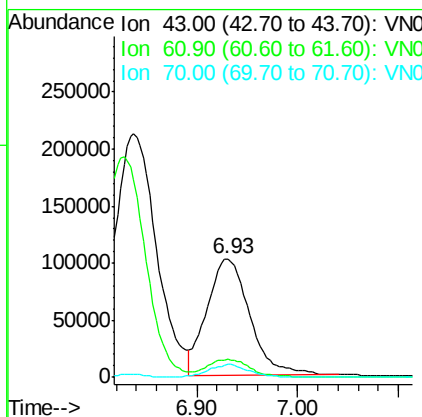
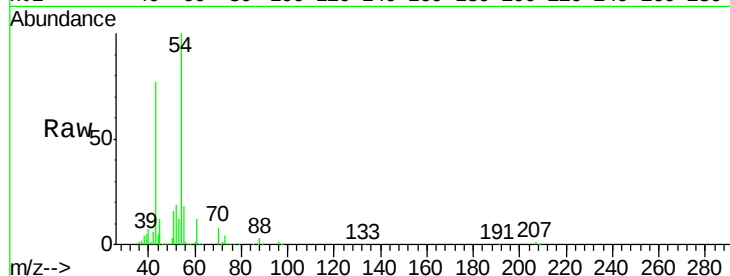
#37
Ethyl Acetate
Concen: 19.49 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.0	16.4
70	9.8	7.2	10.8

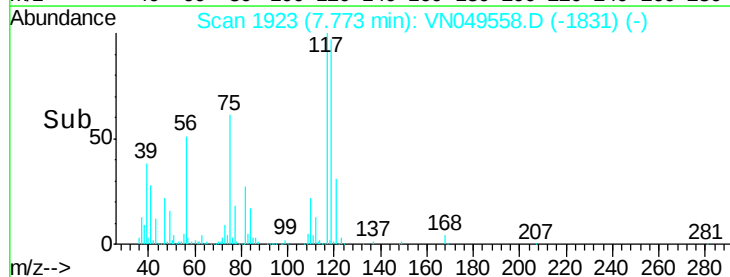
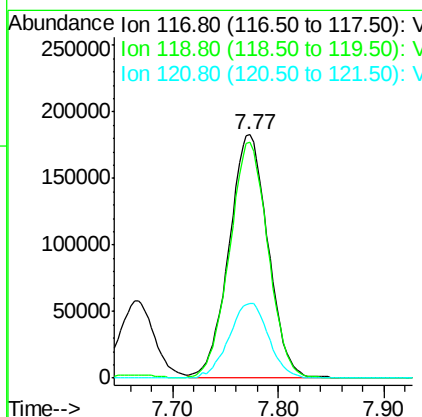
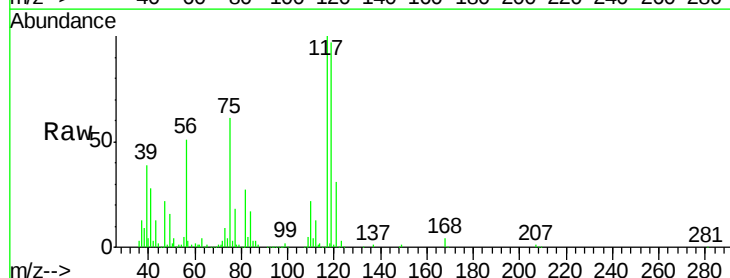
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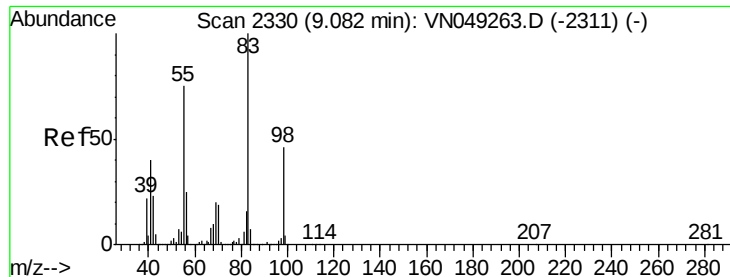
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#38
Carbon Tetrachloride
Concen: 15.94 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	75.6	113.4
121	30.9	24.7	37.1





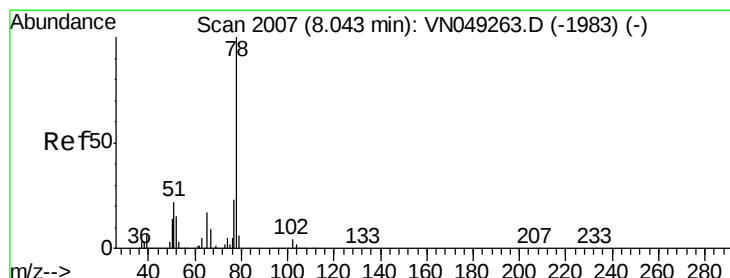
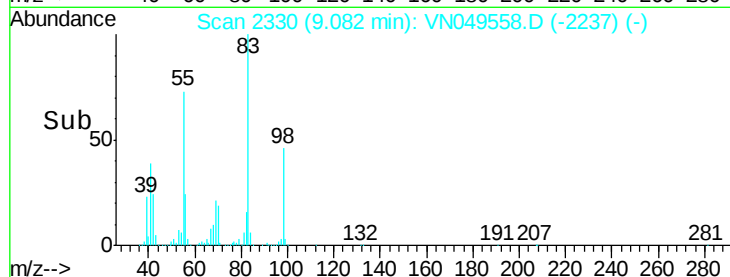
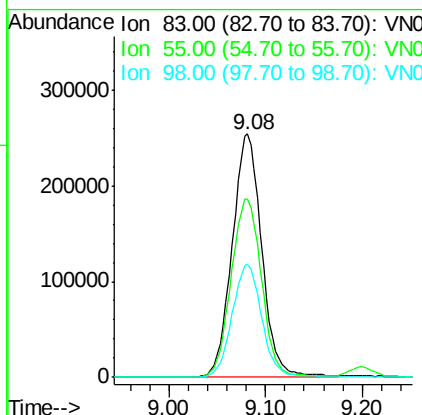
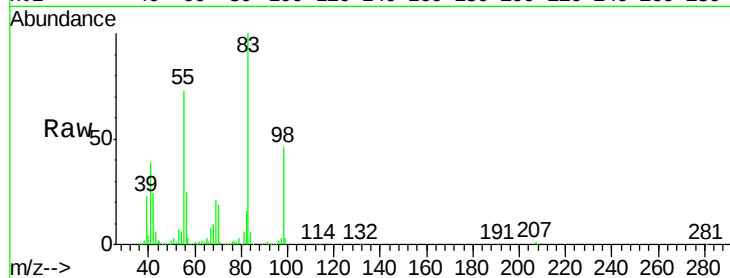
#39
Methvlcvclohexane
Concen: 17.76 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.1	65.1	97.7
98	46.4	36.5	54.7

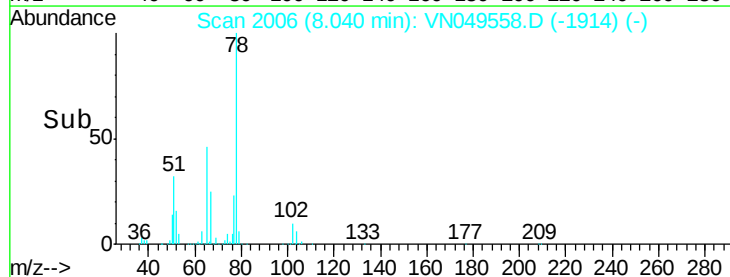
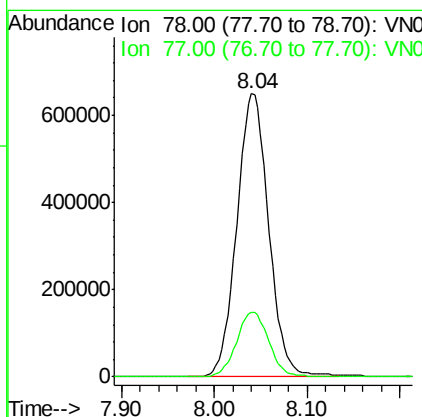
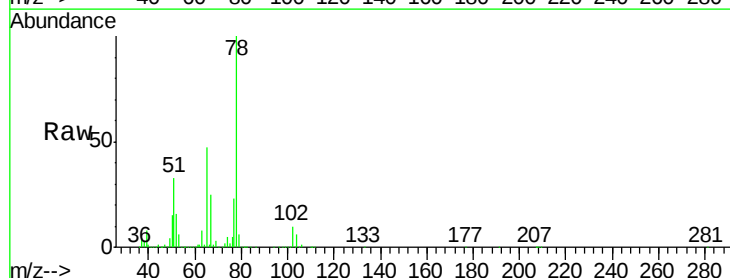
Manual Integrations
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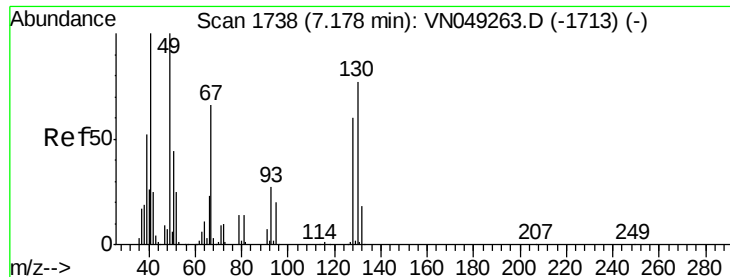
MMDadoda
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#40
Benzene
Concen: 17.86 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.4	29.0





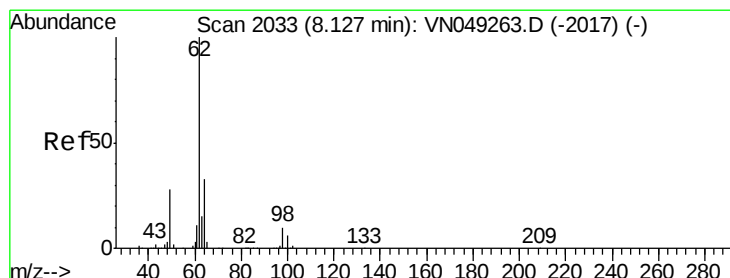
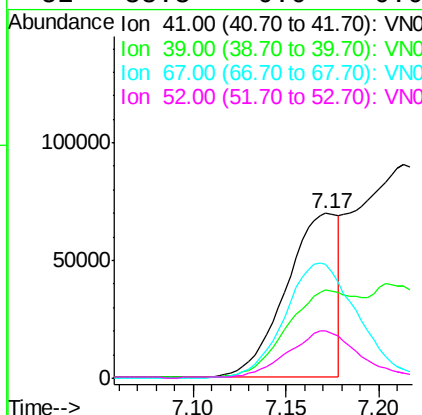
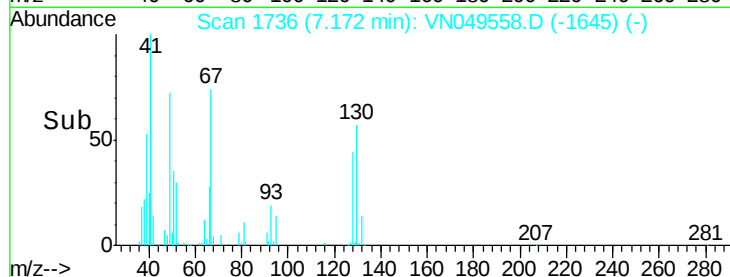
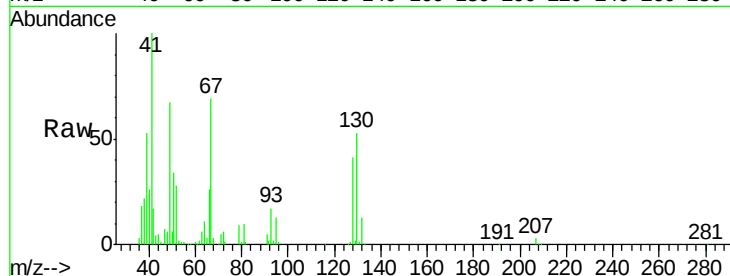
#41
Methacrylonitrile
Concen: 16.38 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.9	0.0	0.0#
67	100.0	0.0	0.0#
52	38.3	0.0	0.0#

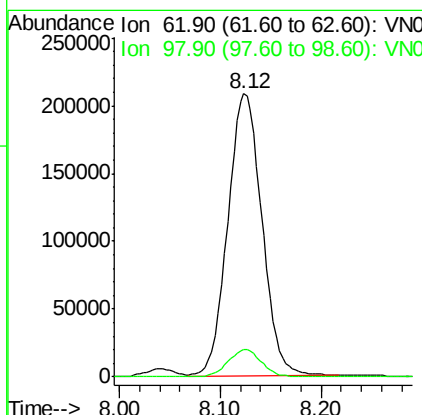
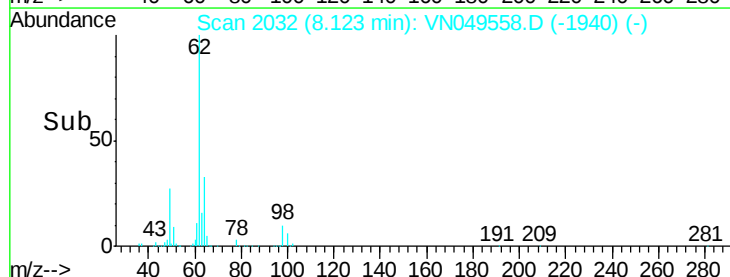
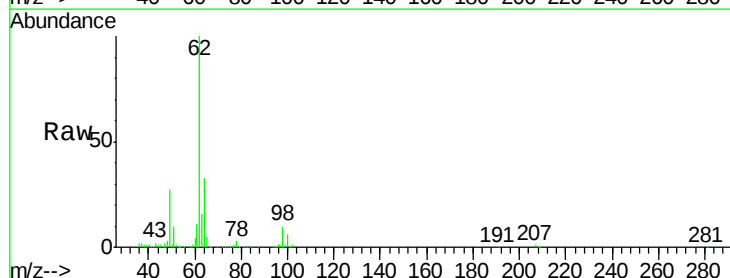
Manual Integrations
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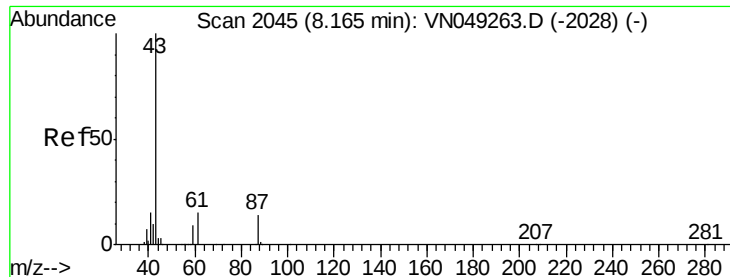
MMDadoda
6/27/2018 5:29:46 PM



#42
1,2-Dichloroethane
Concen: 18.27 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	16.2





#43

Isopropyl Acetate

Concen: 30.91 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

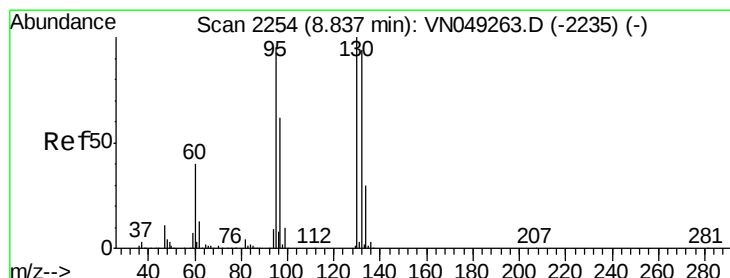
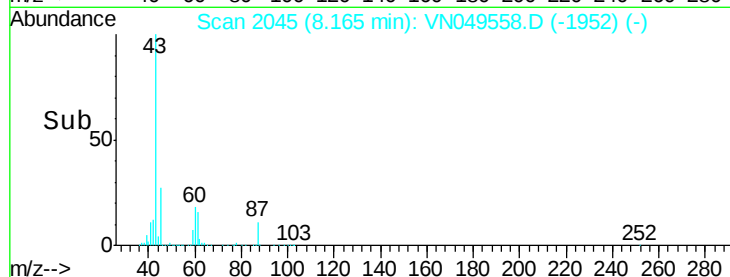
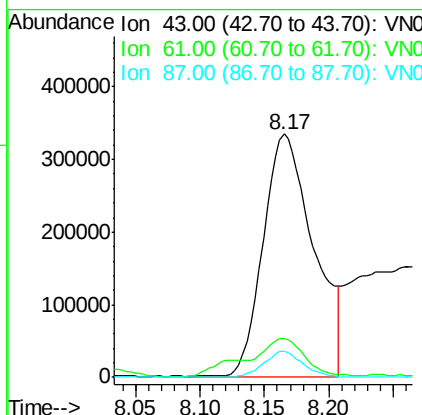
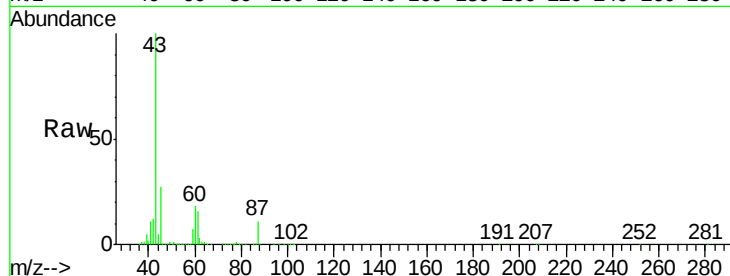
ClientSampleId :

VN0626MBS01

Tot Ion:	43	Resp:	908942
Ion Ratio		Lower	Upper
43	100		
61	12.5	14.2	21.4#
87	8.4	9.4	14.0#

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#44

Trichloroethene

Concen: 21.65 ug/l

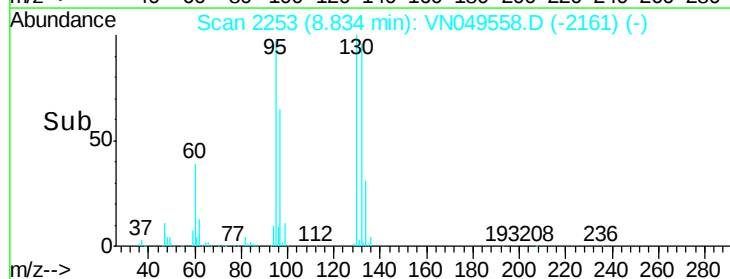
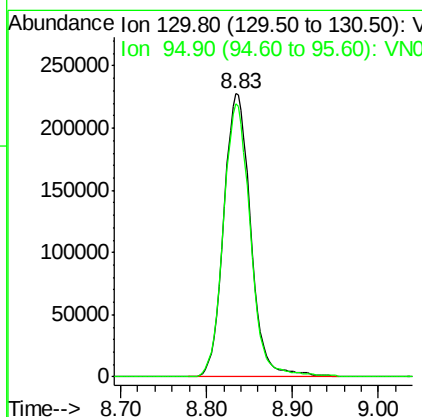
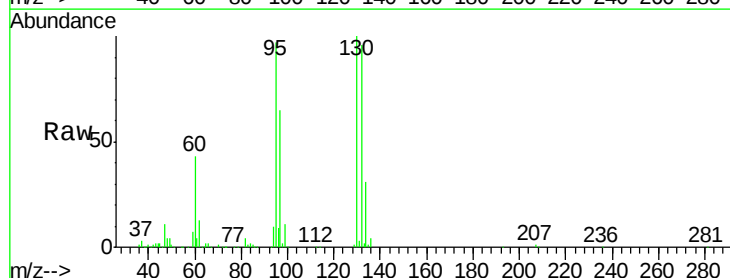
RT: 8.83 min Scan# 2253

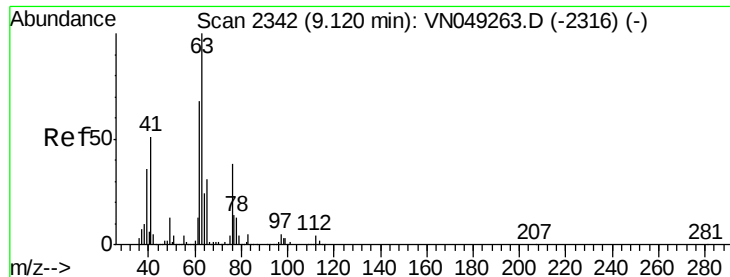
Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Tgt Ion:	130	Resp:	496227
Ion Ratio		Lower	Upper
130	100		
95	96.5	0.0	208.6





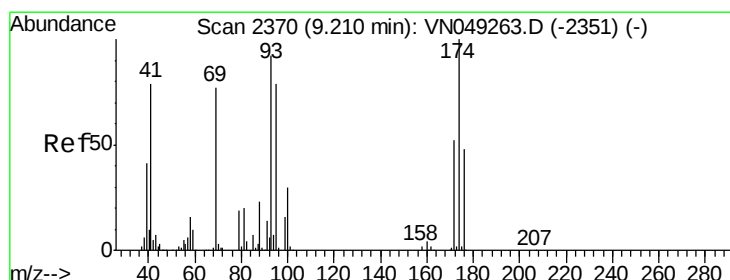
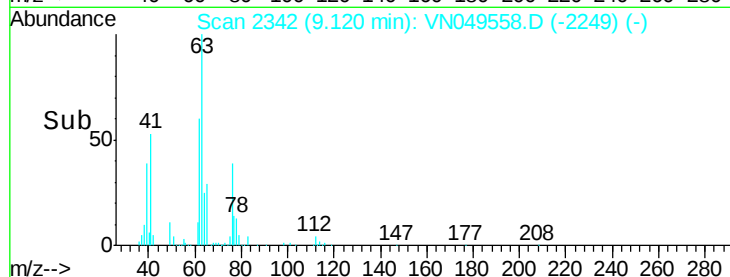
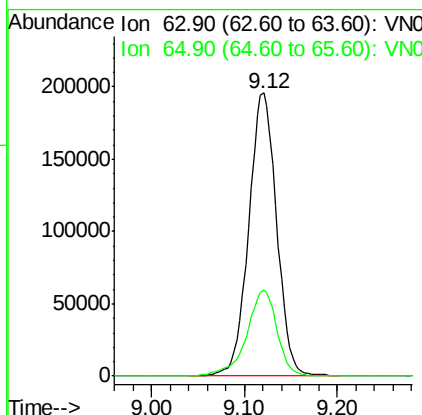
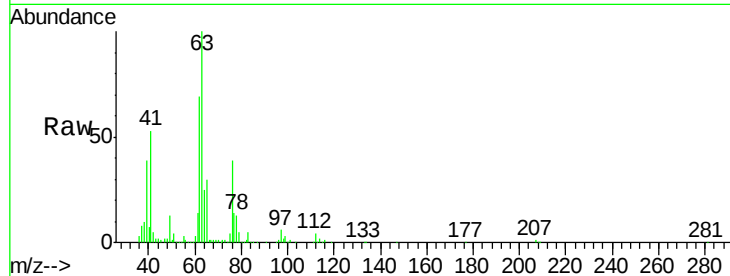
#45
 1,2-Dichloropropane
 Concen: 18.05 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0626MBS01

Tot Ion: 63 Resp: 410144
 Ion Ratio Lower Upper
 63 100
 65 30.2 24.8 37.2

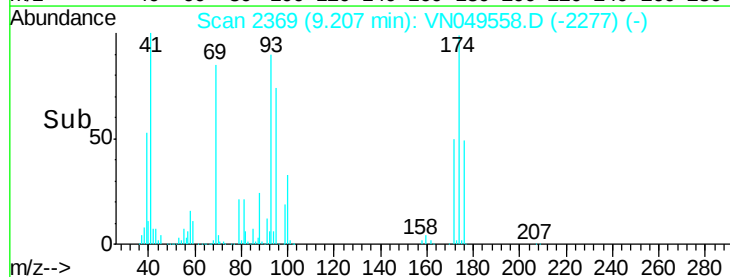
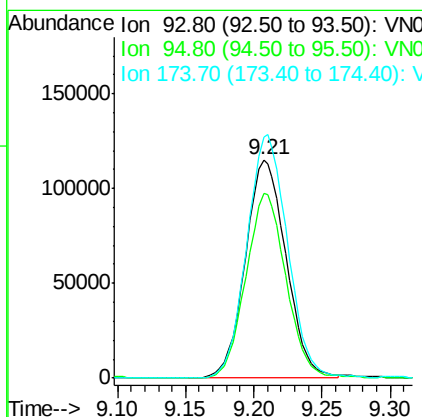
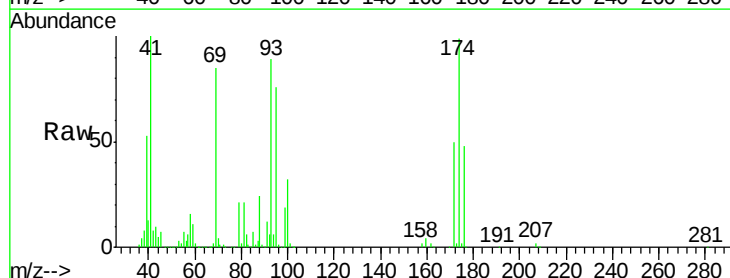
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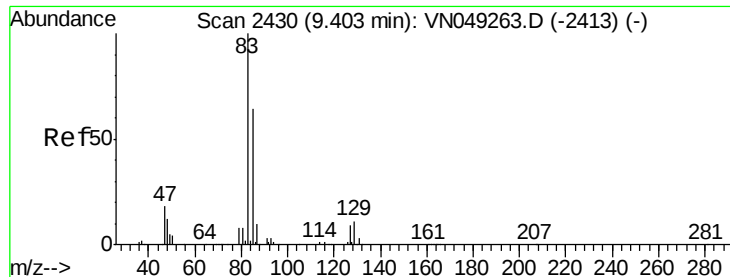
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#46
 Dibromomethane
 Concen: 18.11 ug/l
 RT: 9.21 min Scan# 2369
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Tgt Ion: 93 Resp: 238598
 Ion Ratio Lower Upper
 93 100
 95 83.6 67.2 100.8
 174 111.6 75.6 113.4





#47

Bromodichloromethane

Concen: 17.60 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

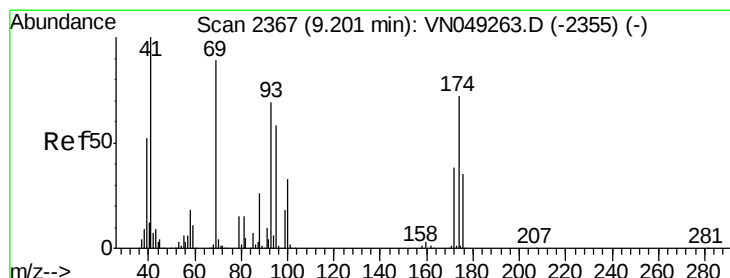
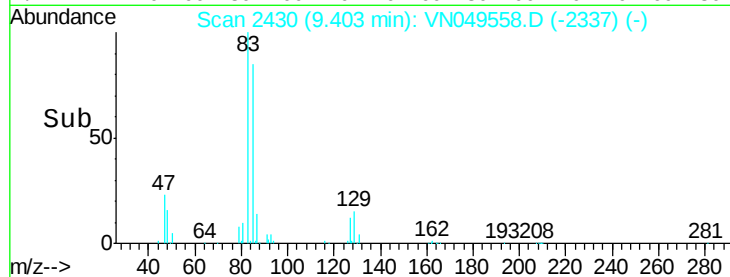
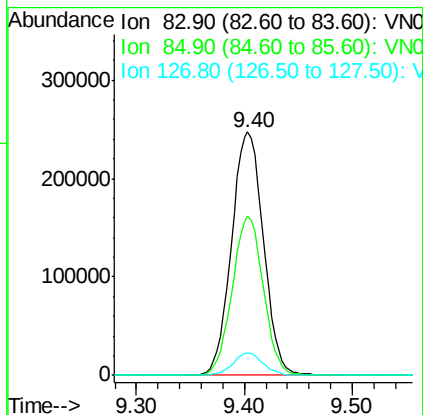
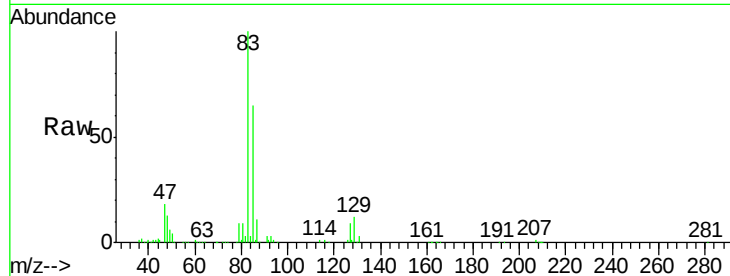
ClientSampleId :

VN0626MBS01

Tot Ion:	83	Resp:	509617
Ion Ratio	Lower	Upper	
83	100		
85	65.2	49.4	74.0
127	9.3	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.83 ug/l

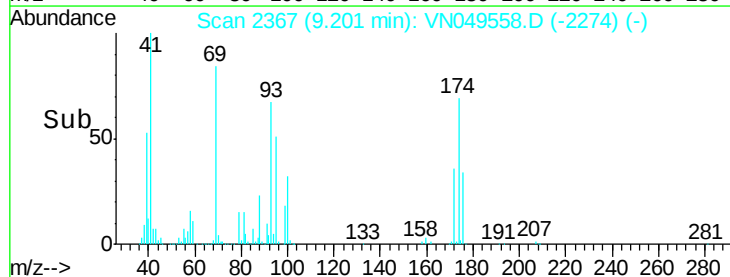
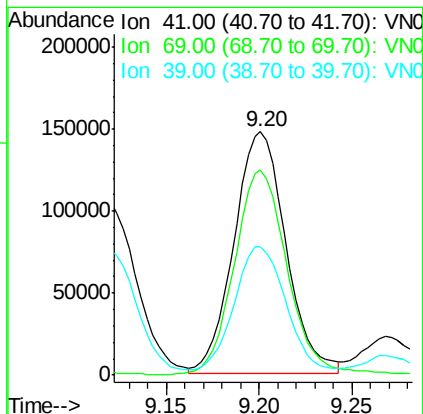
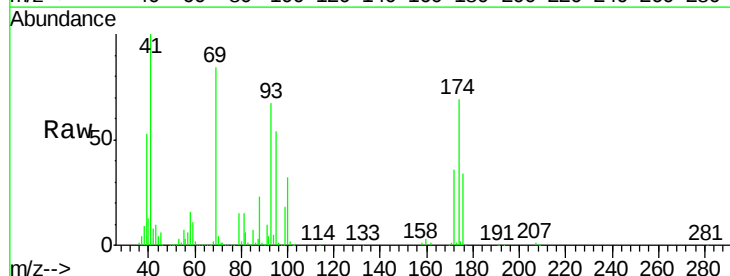
RT: 9.20 min Scan# 2367

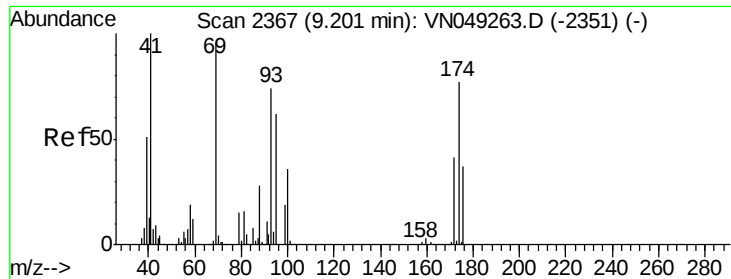
Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Tgt Ion:	41	Resp:	288427
Ion Ratio	Lower	Upper	
41	100		
69	87.1	62.0	93.0
39	53.9	50.6	75.8





#49

1,4-Dioxane

Concen: 373.33 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBS01

Tot Ion: 88 Resp: 71356

Ion Ratio Lower Upper

88 100

43 31.3 30.9 46.3

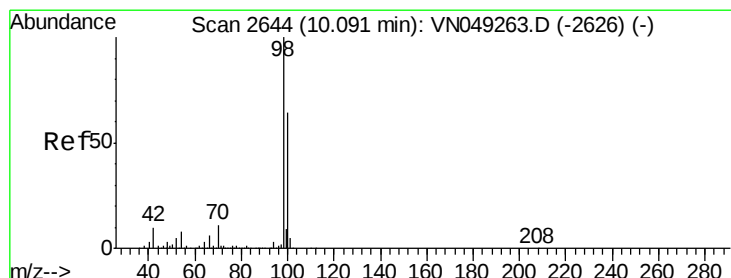
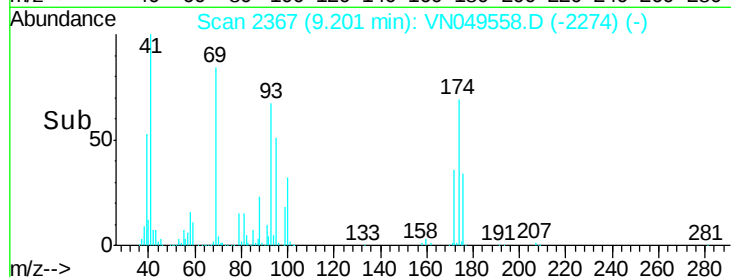
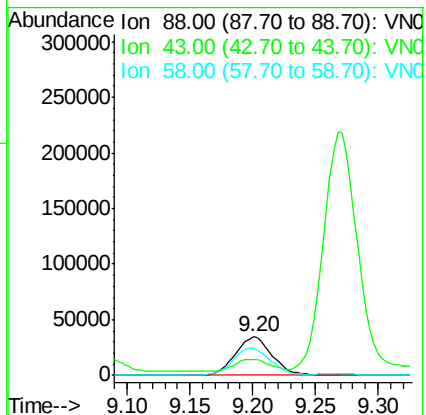
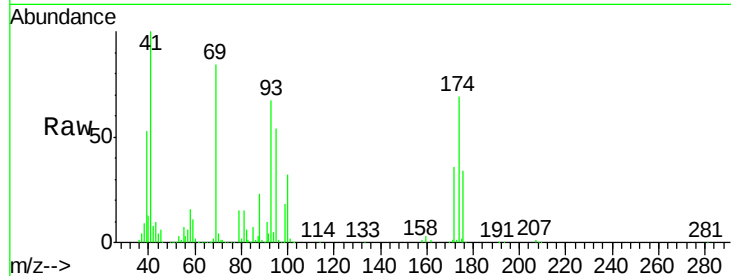
58 72.9 58.9 88.3

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#50

Toluene-d8

Concen: 45.64 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049558.D

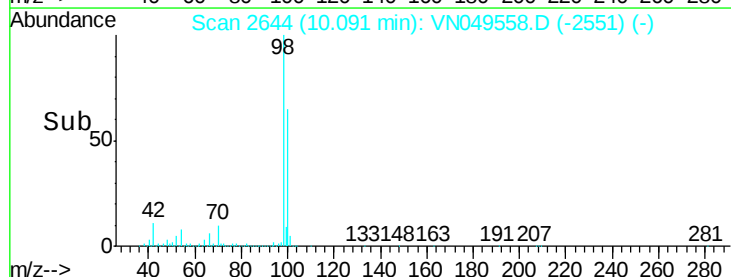
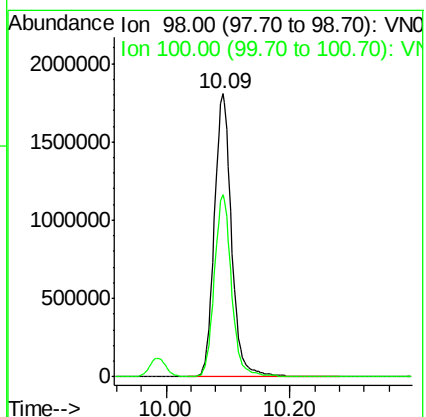
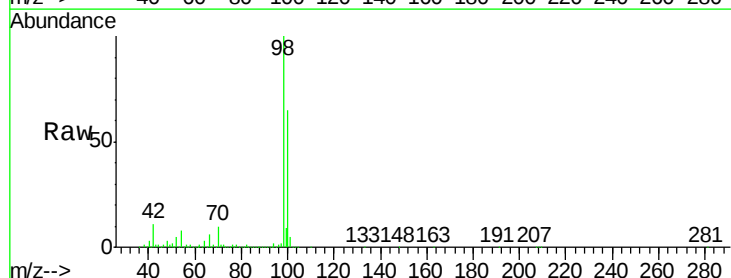
Acq: 26 Jun 2018 17:40

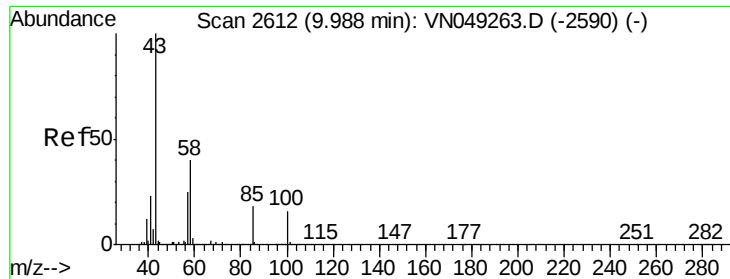
Tgt Ion: 98 Resp: 3472811

Ion Ratio Lower Upper

98 100

100 64.1 49.8 74.8





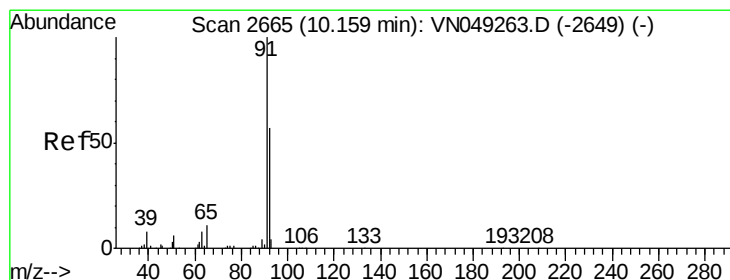
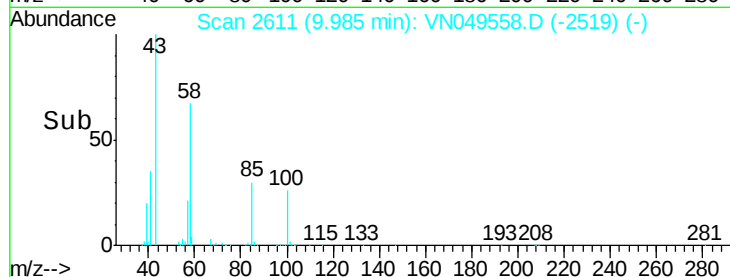
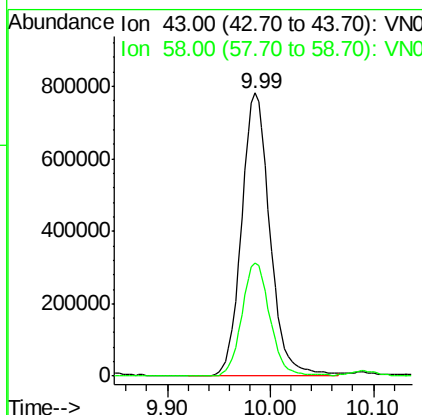
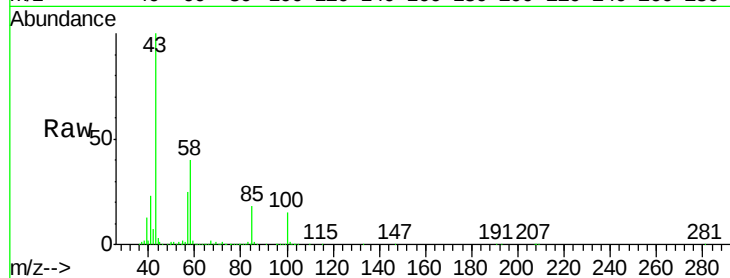
#51
4-Methyl-2-Pentanone
Concen: 96.02 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion: 43 Resp: 1479890
Ion Ratio Lower Upper
43 100
58 40.0 29.0 43.6

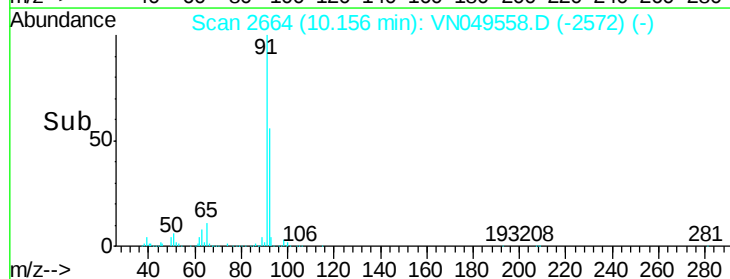
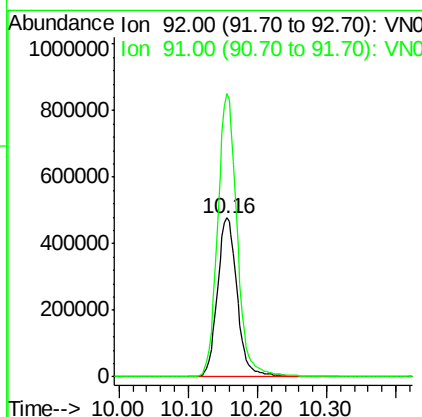
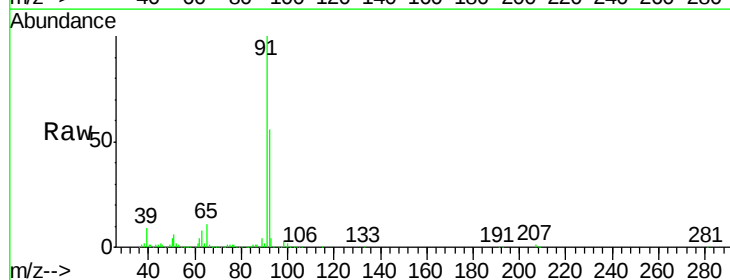
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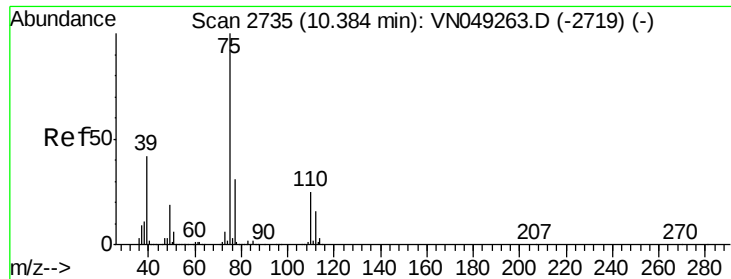
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#52
Toluene
Concen: 18.53 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion: 92 Resp: 943994
Ion Ratio Lower Upper
92 100
91 175.4 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 17.66 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampled :

VN0626MBS01

Tot Ion: 75 Resp: 489237

Ion Ratio Lower Upper

75 100

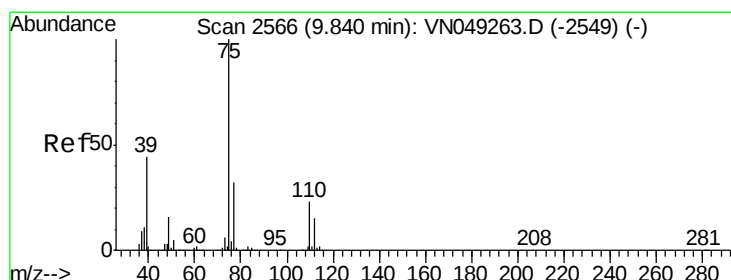
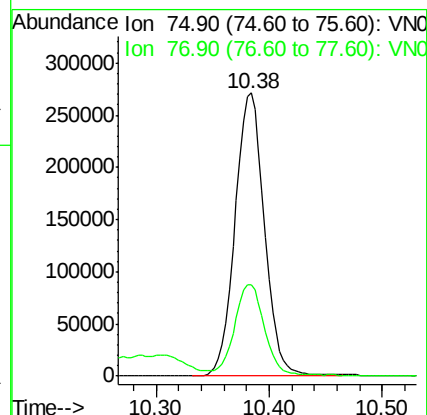
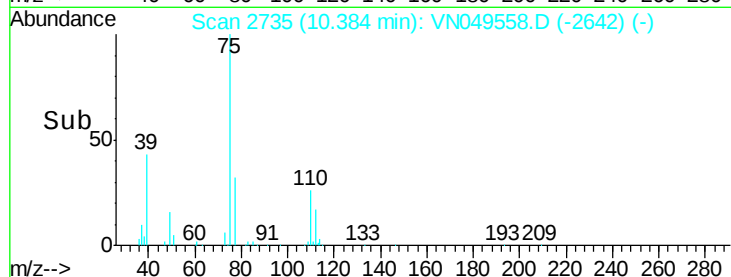
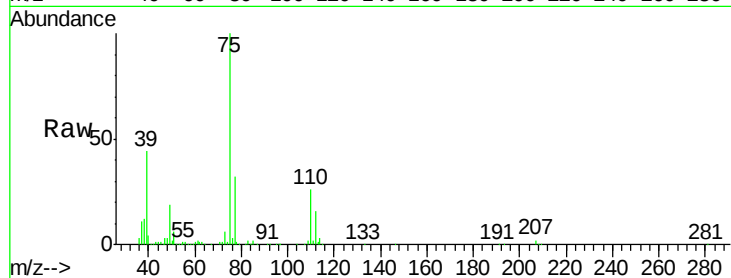
77 32.0 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 17.80 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

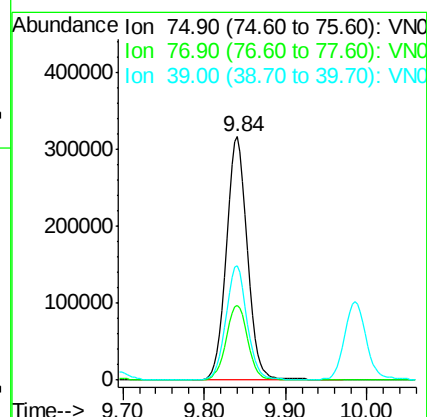
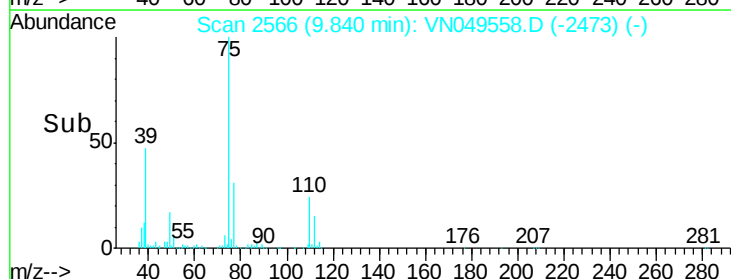
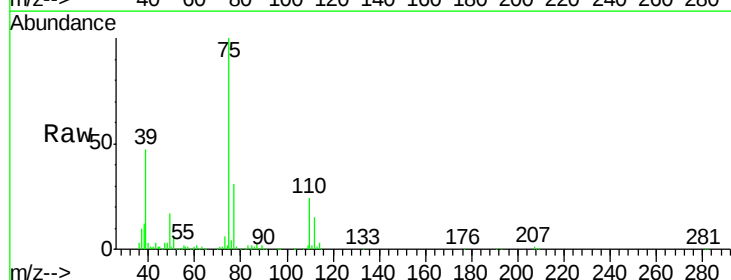
Tgt Ion: 75 Resp: 582240

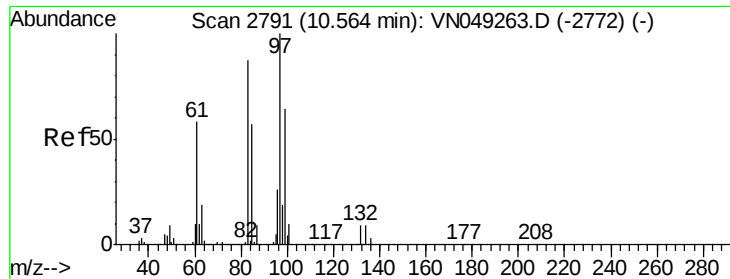
Ion Ratio Lower Upper

75 100

77 30.7 24.8 37.2

39 47.1 45.1 67.7





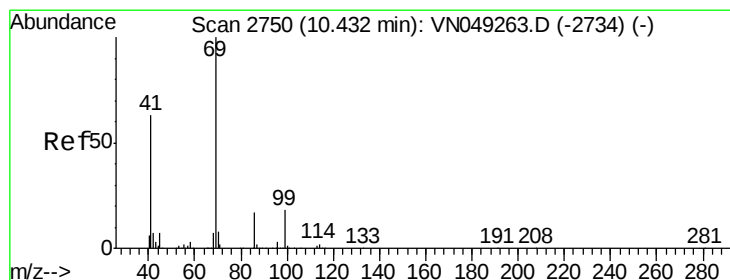
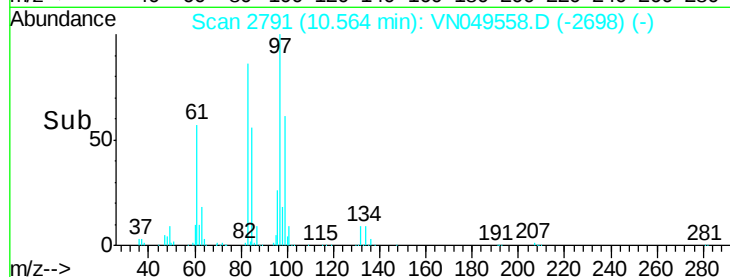
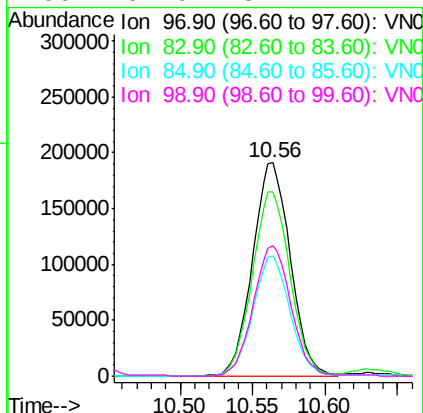
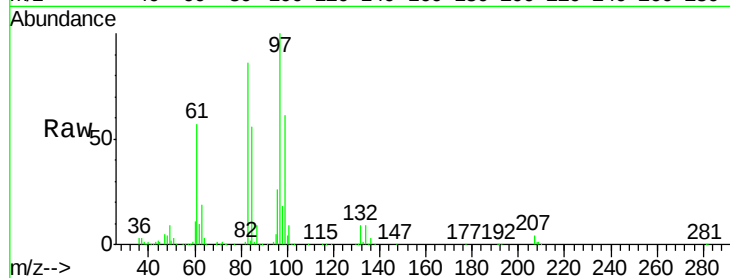
#55
 1,1,2-Trichloroethane
 Concen: 18.26 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626MBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.4	71.5	107.3
85	56.5	47.0	70.4
99	61.0	51.4	77.2

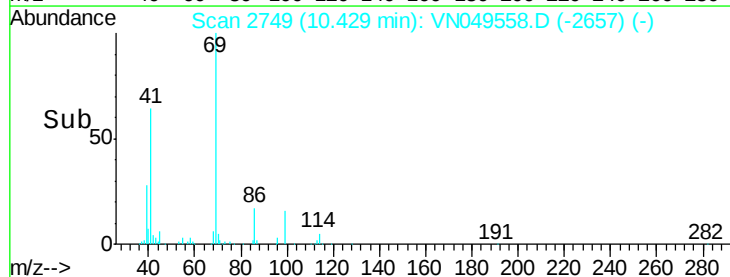
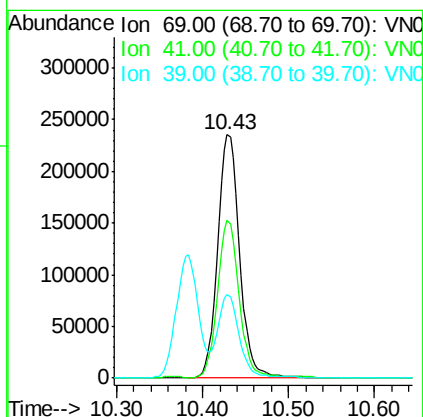
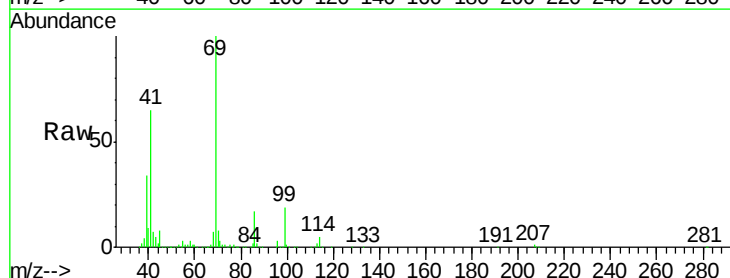
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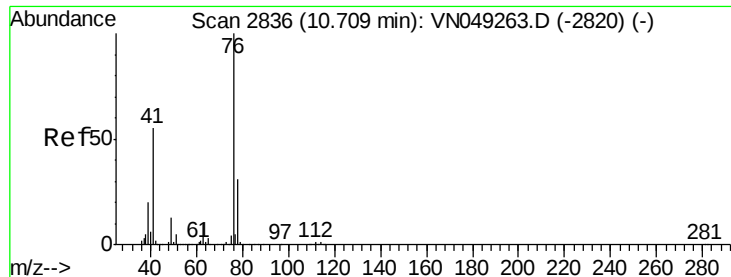
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#56
 Ethyl methacrylate
 Concen: 19.13 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.1	58.4	87.6
39	33.9	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 18.44 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampled :

VN0626MBS01

Tot Ion: 76 Resp: 580122

Ion Ratio Lower Upper

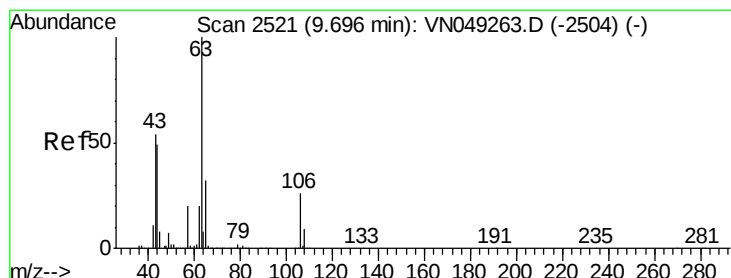
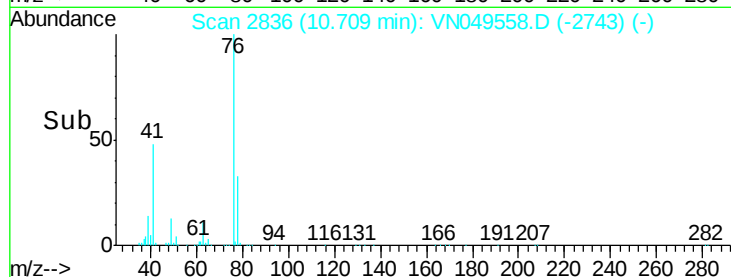
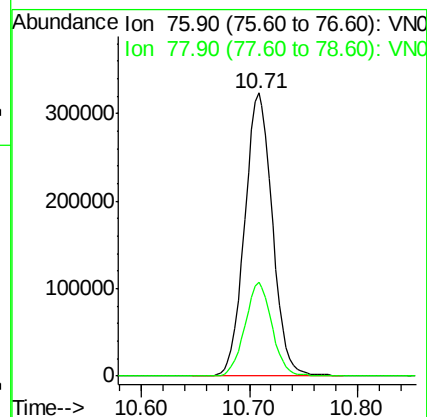
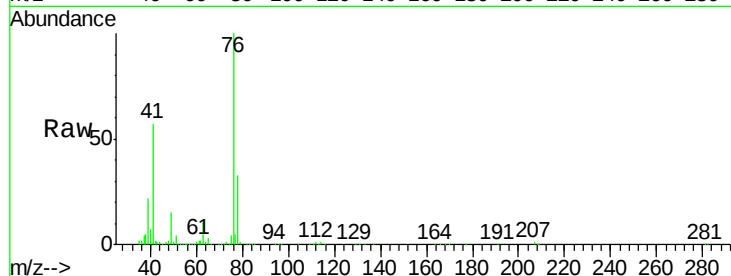
76 100

78 32.2 26.3 39.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 143.26 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049558.D

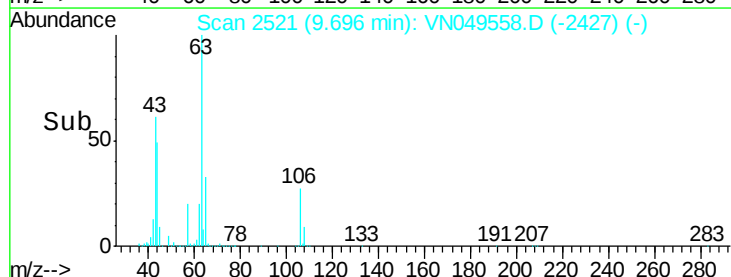
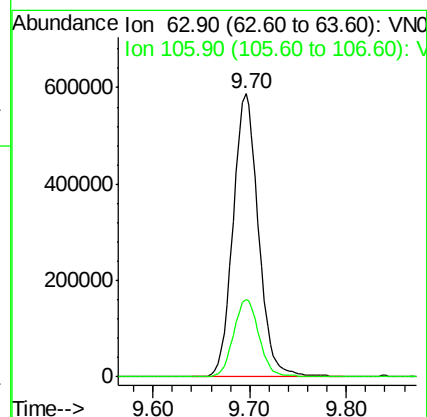
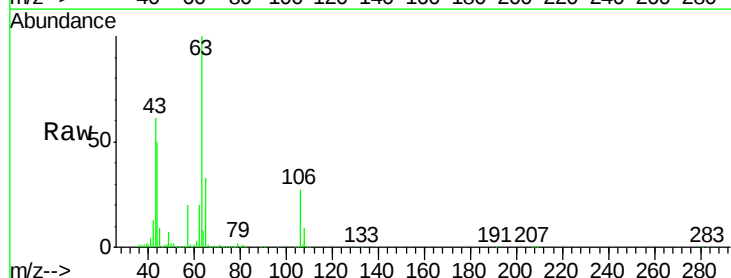
Acq: 26 Jun 2018 17:40

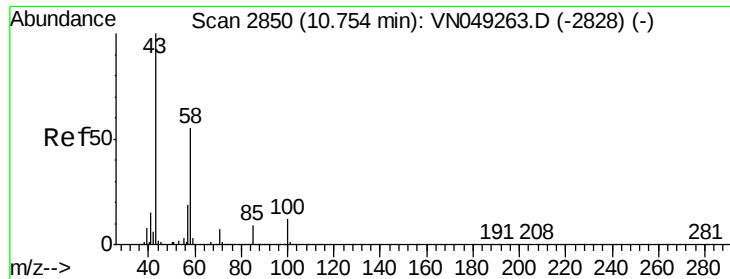
Tgt Ion: 63 Resp: 1071285

Ion Ratio Lower Upper

63 100

106 27.6 19.4 29.2





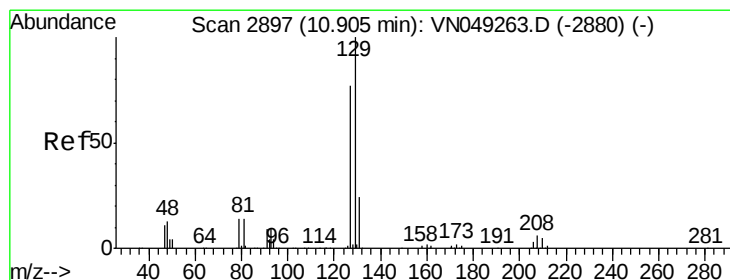
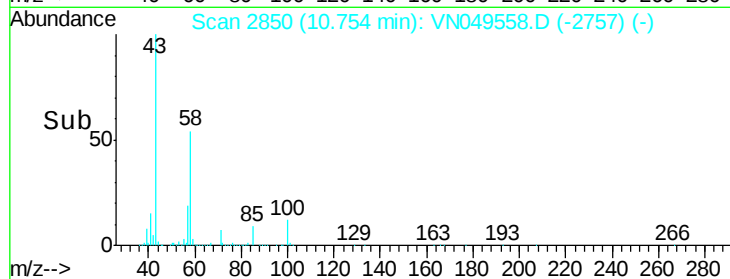
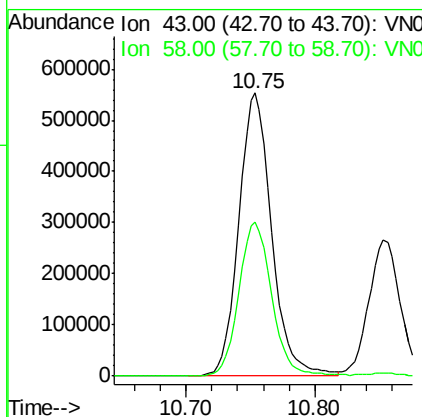
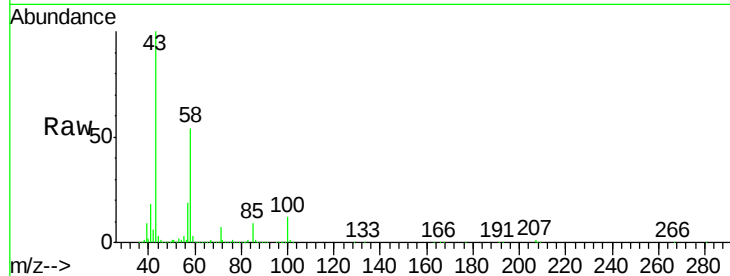
#59
2-Hexanone
Concen: 97.56 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion: 43 Resp: 969430
Ion Ratio Lower Upper
43 100
58 55.2 25.2 75.6

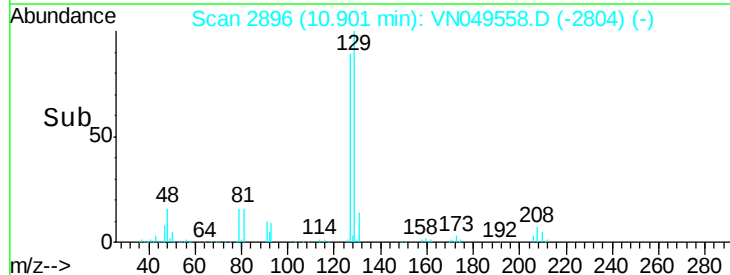
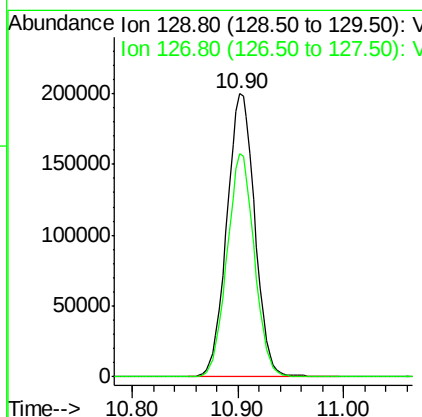
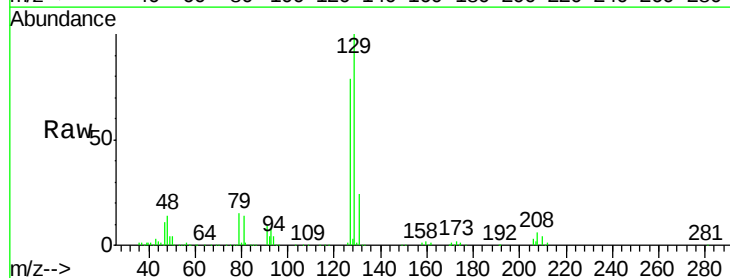
Manual Integrations
APPROVED

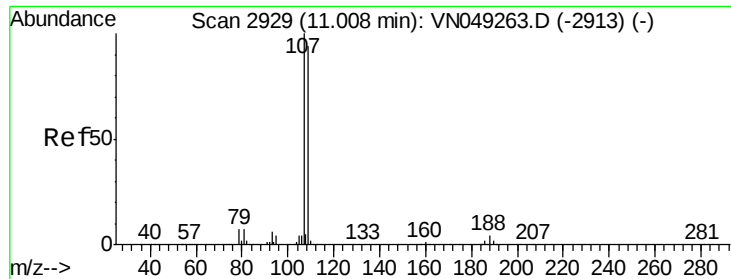
MMDadoda
6/27/2018 5:29:46 PM



#60
Dibromochloromethane
Concen: 17.26 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion: 129 Resp: 365891
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.14 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBS01

Tot Ion:107 Resp: 337880

Ion Ratio Lower Upper

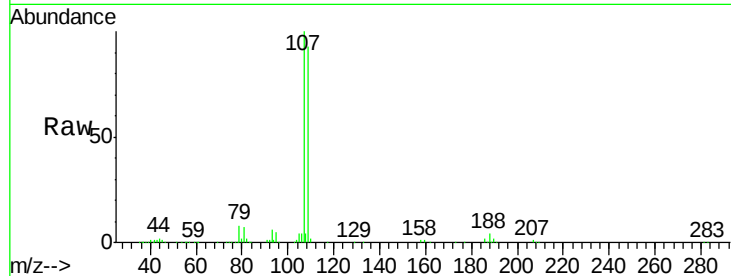
107 100

109 93.2 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.01

200000

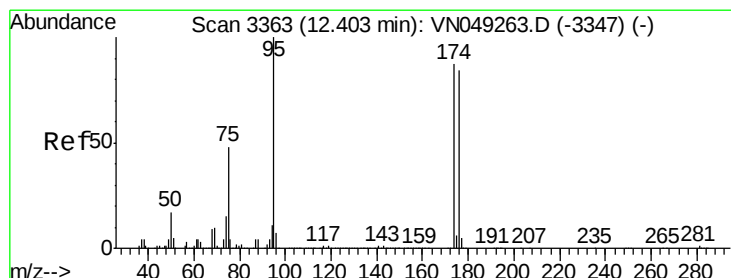
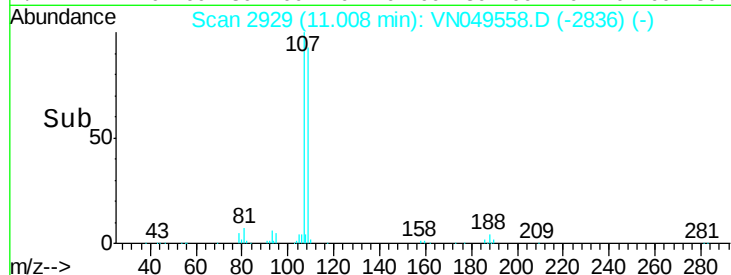
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 47.06 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

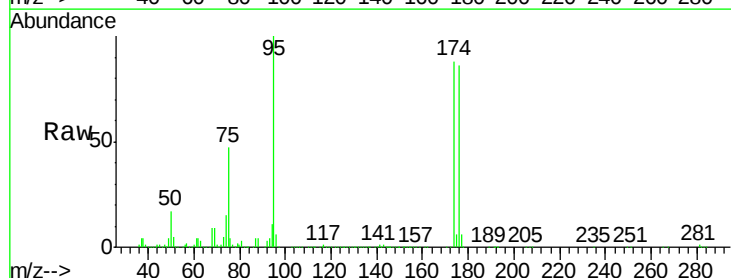
Tgt Ion: 95 Resp: 1184235

Ion Ratio Lower Upper

95 100

174 88.3 0.0 165.6

176 85.3 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

800000

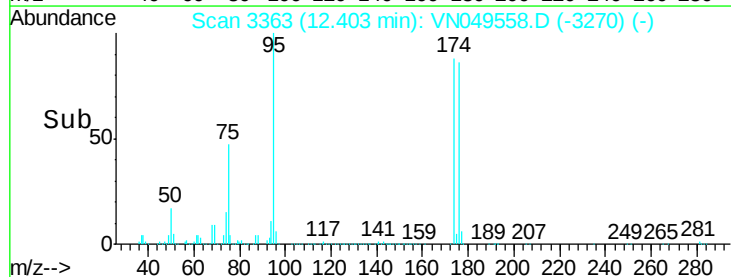
600000

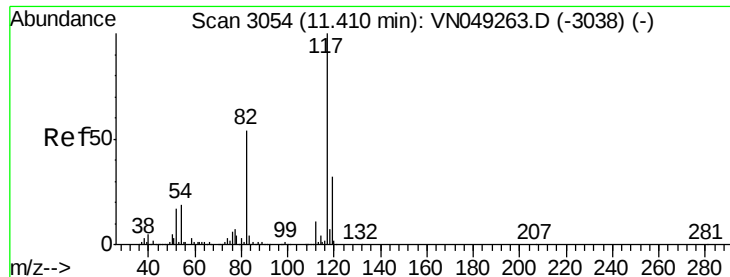
400000

200000

0

Time--> 12.30 12.40 12.50





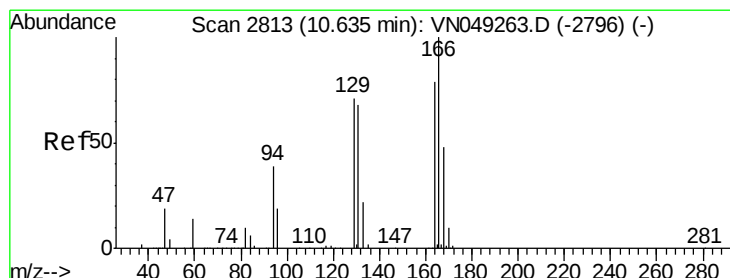
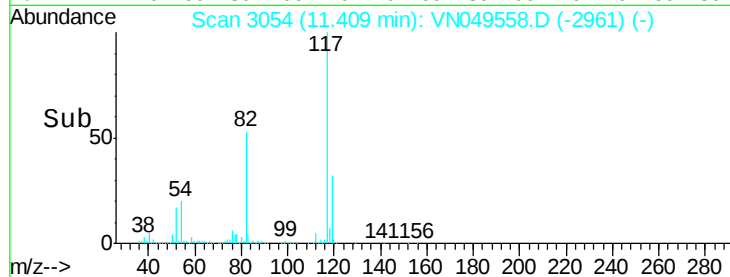
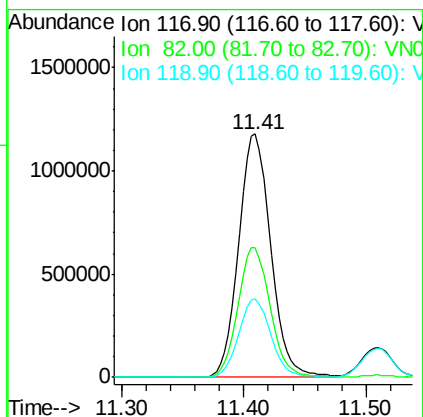
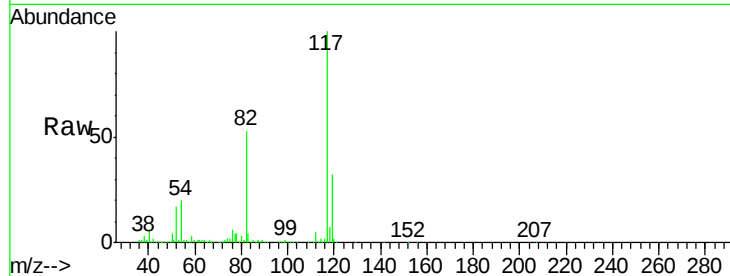
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.9	68.9
119	32.1	25.5	38.3

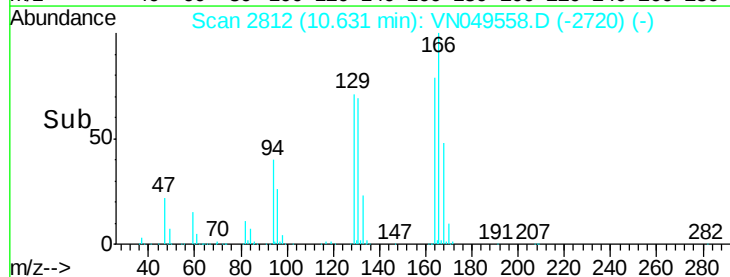
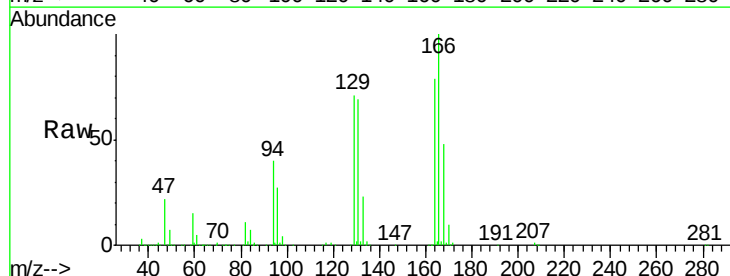
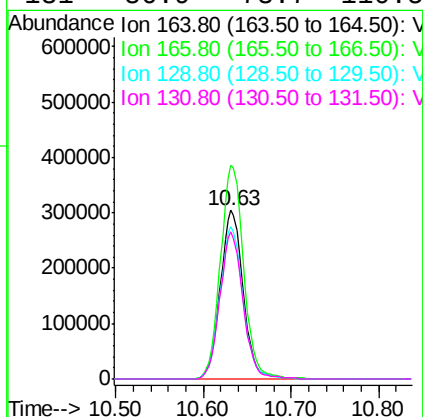
Manual Integrations
APPROVED

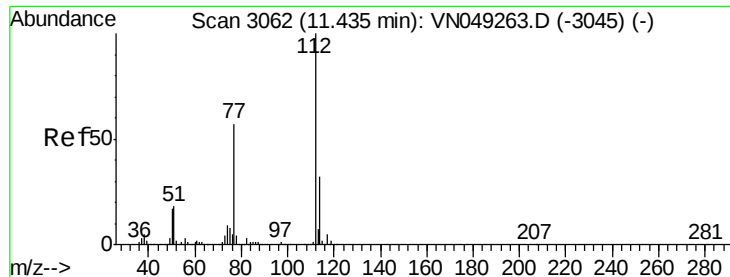
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#64
Tetrachloroethene
Concen: 25.14 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	101.4	152.2
129	90.4	74.1	111.1
131	86.9	73.7	110.5





#65

Chlorobenzene

Concen: 18.67 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBS01

Tot Ion:112 Resp: 1030160

Ion Ratio Lower Upper

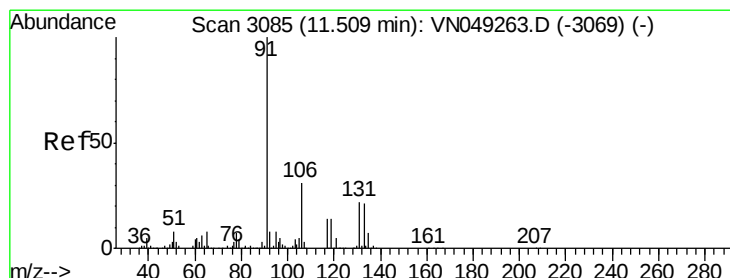
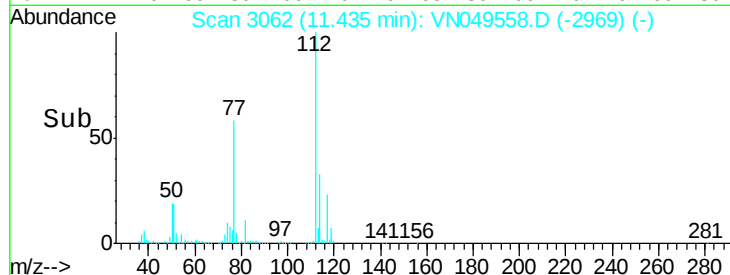
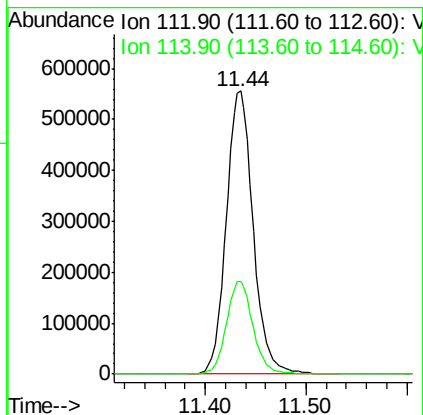
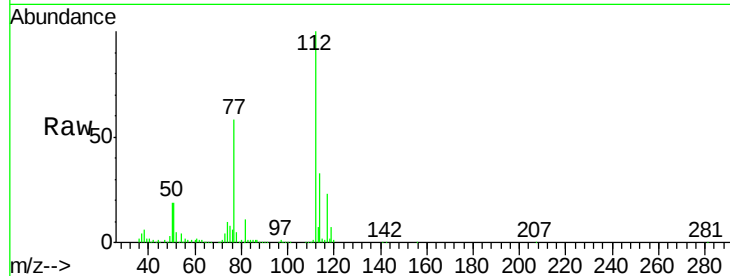
112 100

114 32.7 26.2 39.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.09 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

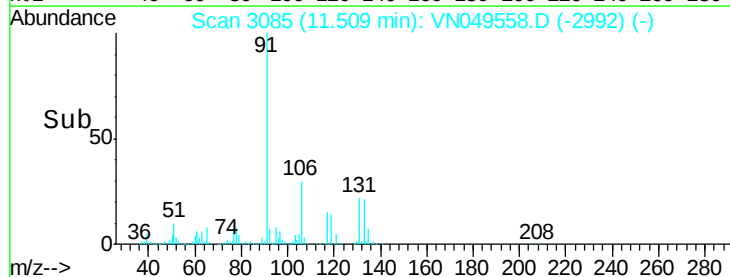
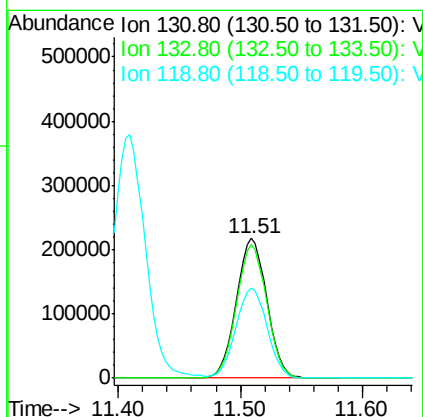
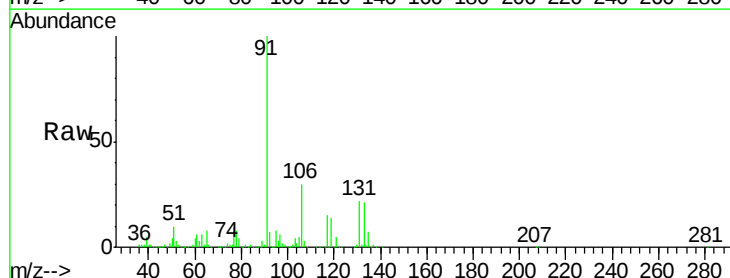
Tgt Ion:131 Resp: 375821

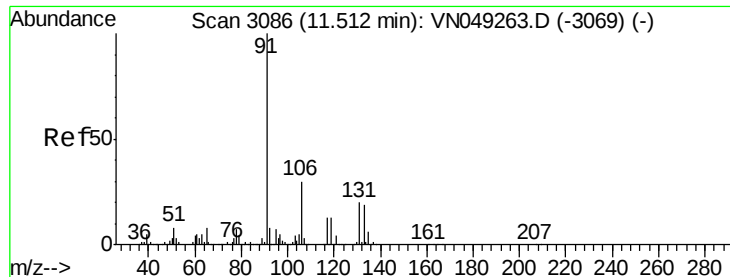
Ion Ratio Lower Upper

131 100

133 94.7 48.0 144.2

119 66.2 33.6 100.8





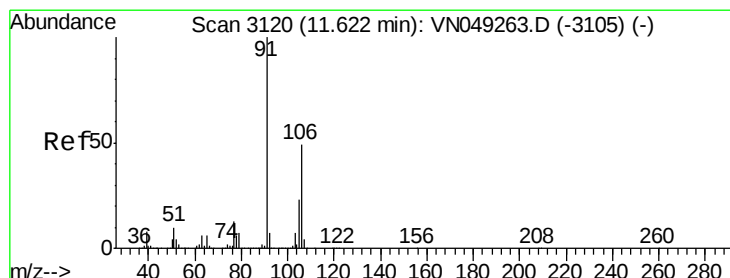
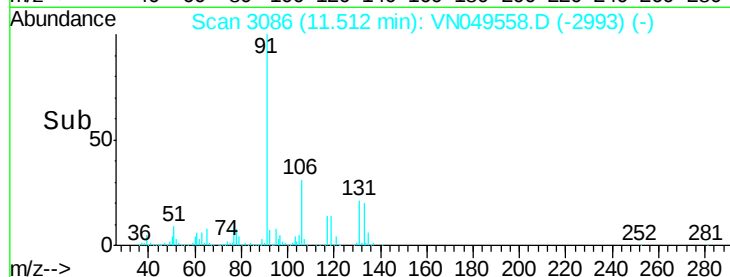
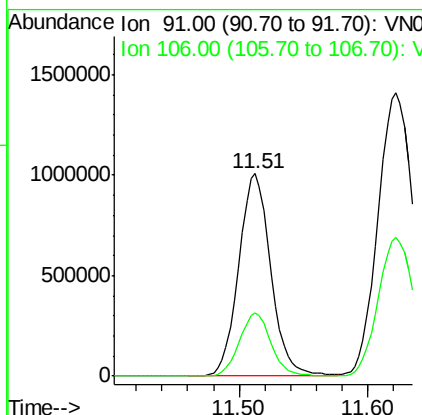
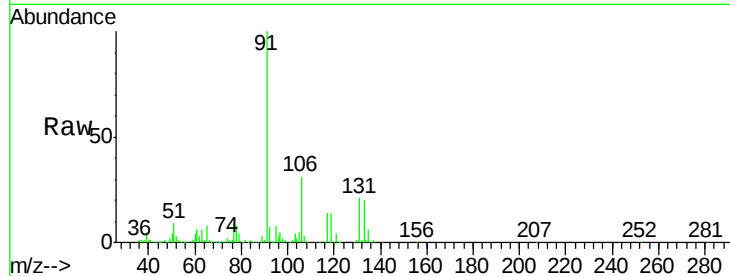
#67
Ethyl Benzene
Concen: 19.09 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampled :
VN0626MBS01

Tot Ion: 91 Resp: 1747749
Ion Ratio Lower Upper
91 100
106 31.0 23.9 35.9

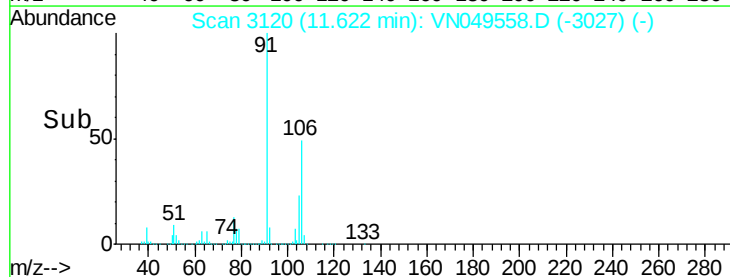
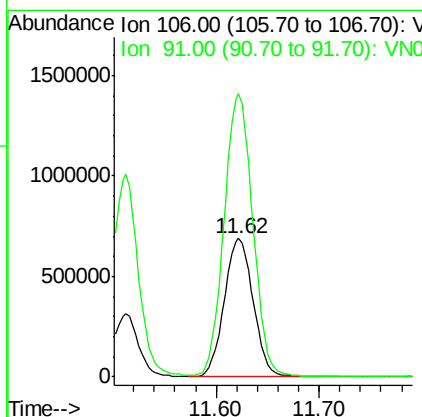
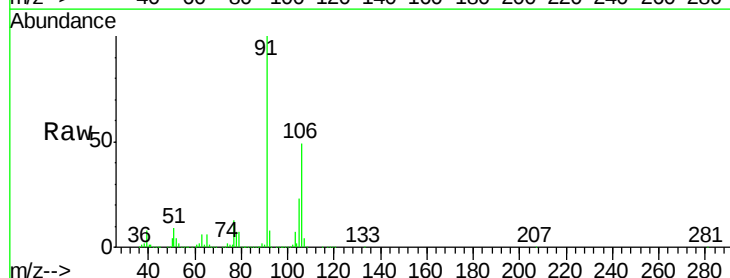
Manual Integrations
APPROVED

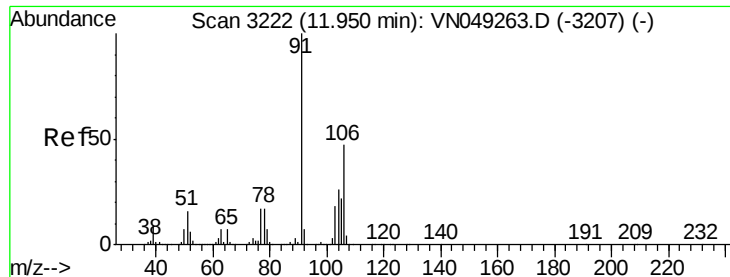
MMDadoda
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#68
m/p-Xylenes
Concen: 39.22 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion: 106 Resp: 1347530
Ion Ratio Lower Upper
106 100
91 203.3 167.3 250.9





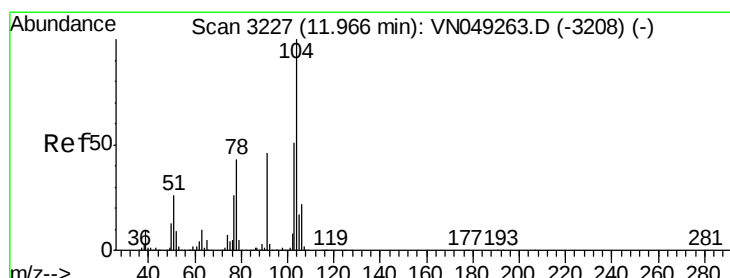
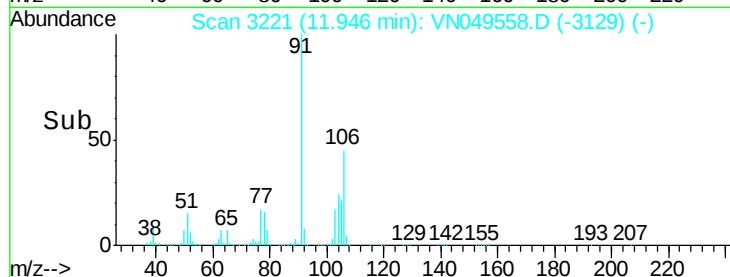
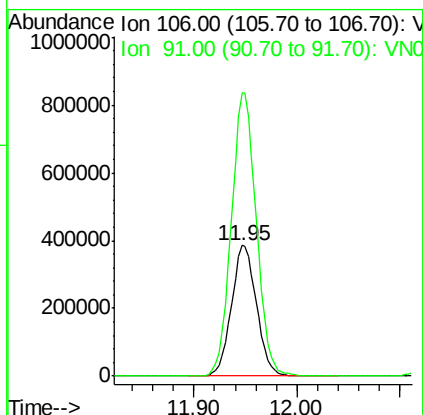
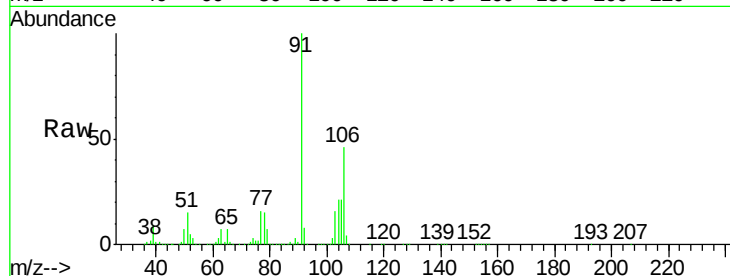
#69
o-Xylene
Concen: 19.75 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion:106 Resp: 653645
Ion Ratio Lower Upper
106 100
91 215.9 111.0 333.0

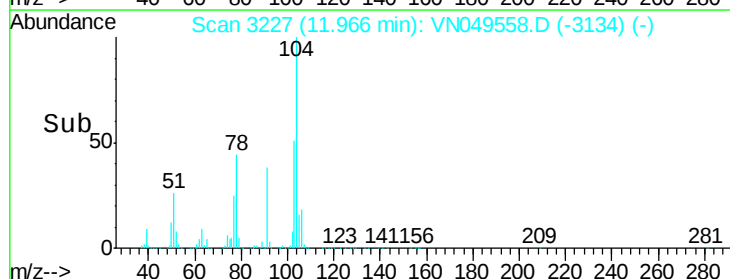
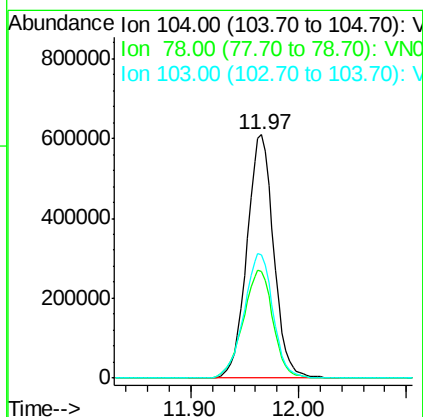
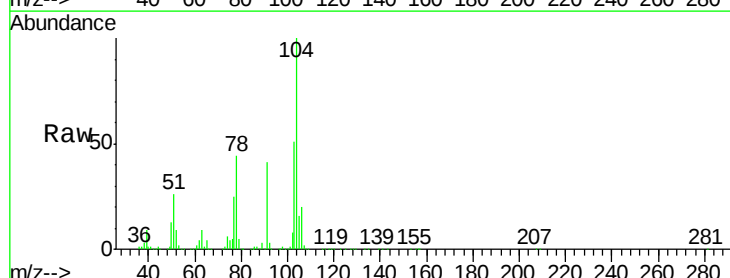
Manual Integrations
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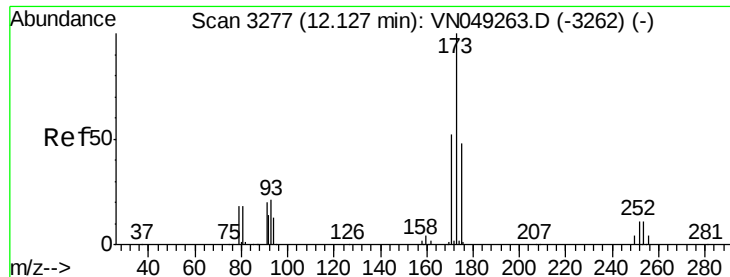
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#70
Styrene
Concen: 20.08 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion:104 Resp: 1048456
Ion Ratio Lower Upper
104 100
78 49.6 41.6 62.4
103 55.7 45.4 68.2





#71

Bromoform

Concen: 17.04 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

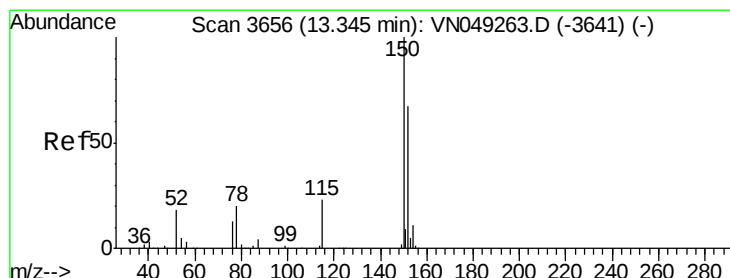
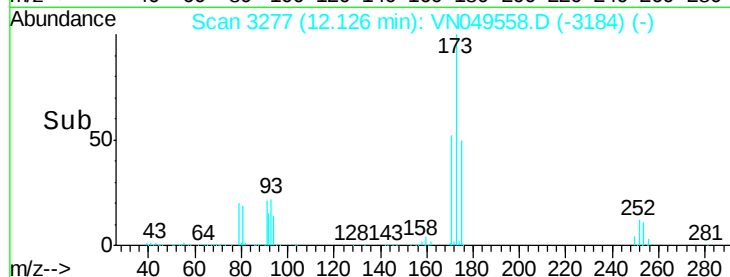
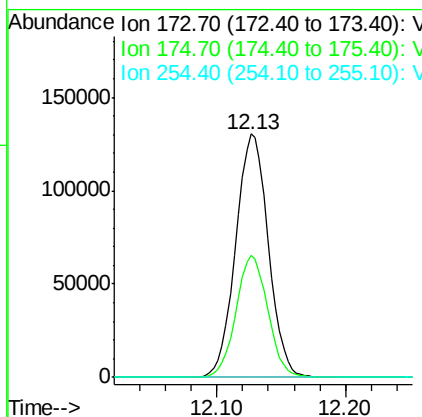
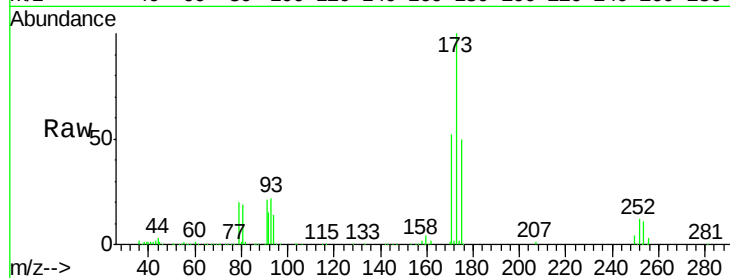
ClientSampleId :

VN0626MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.2	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

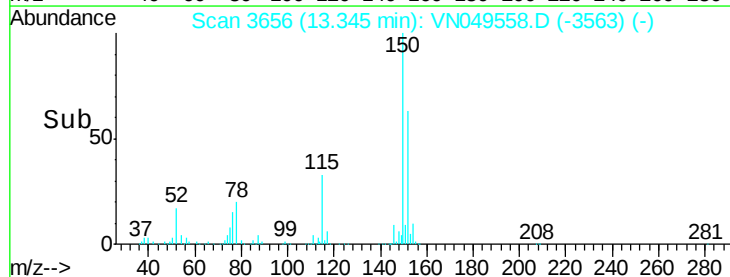
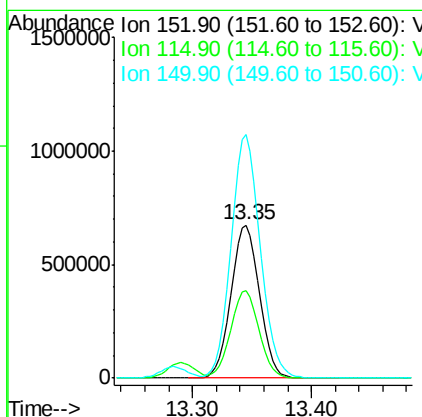
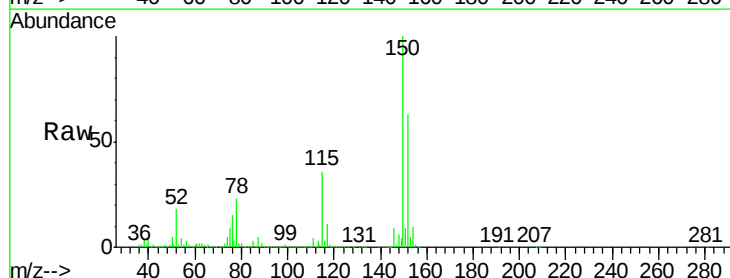
RT: 13.35 min Scan# 3656

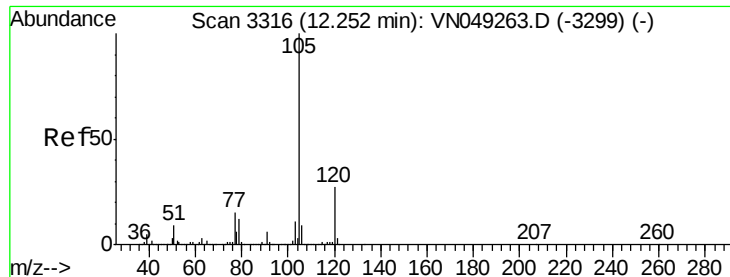
Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.7	86.1
150	163.9	0.0	351.0





#73

Isopropylbenzene

Concen: 17.42 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBS01

Tot Ion:105 Resp: 1701531

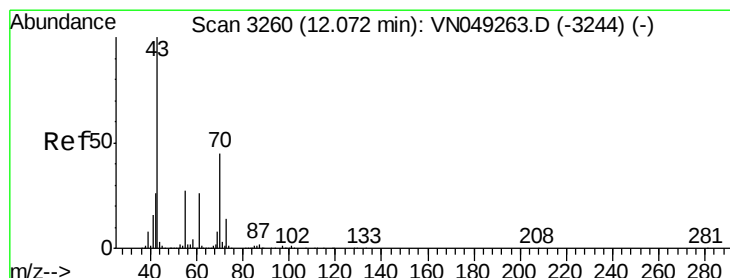
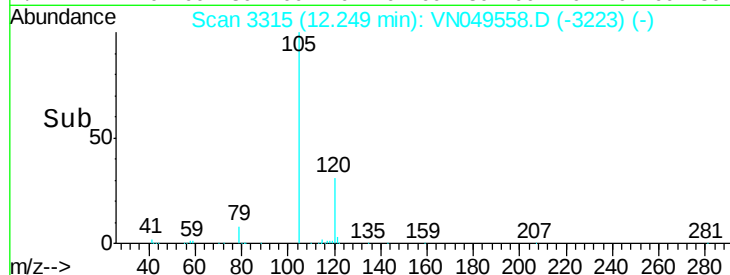
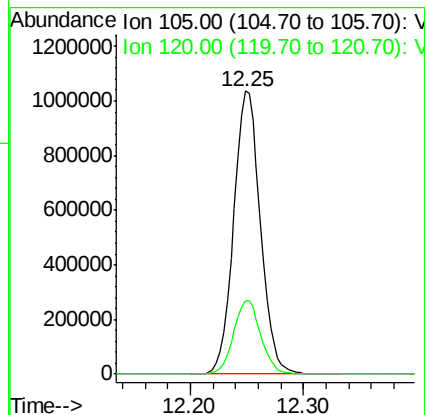
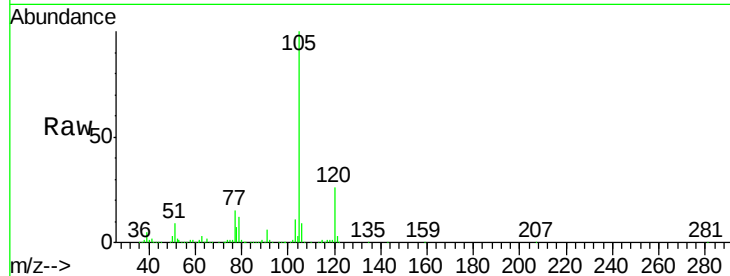
Ion Ratio Lower Upper

105 100

120 26.6 12.8 38.3

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.57 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Tgt Ion: 43 Resp: 468003

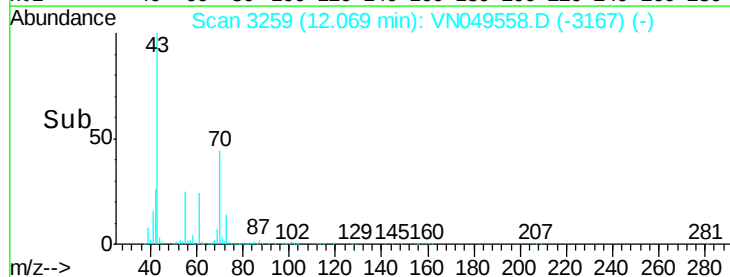
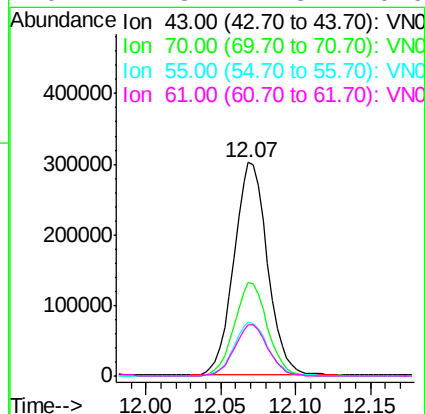
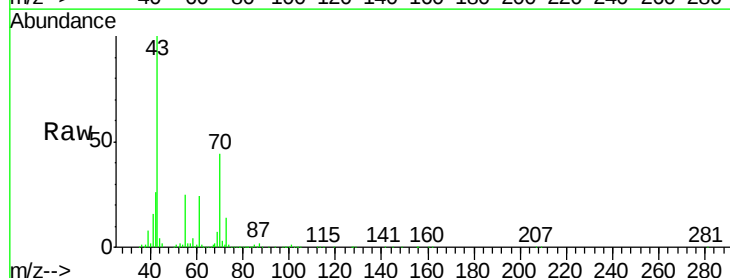
Ion Ratio Lower Upper

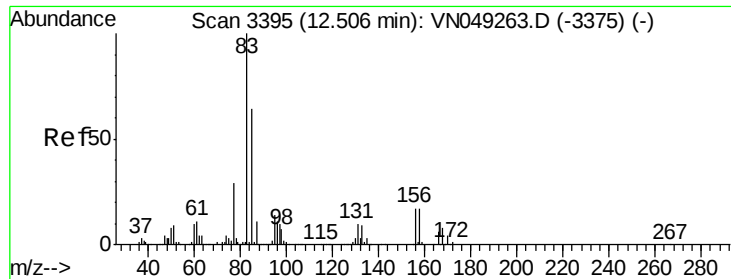
43 100

70 43.7 30.3 45.5

55 25.9 19.4 29.2

61 24.3 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 18.25 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

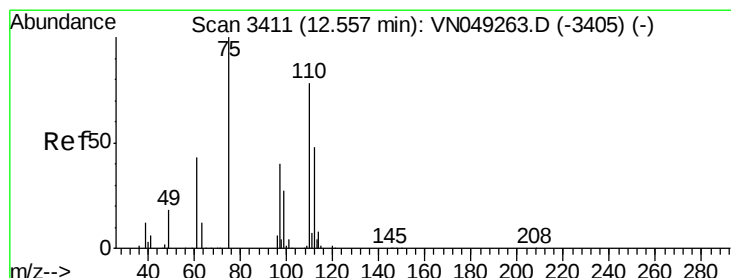
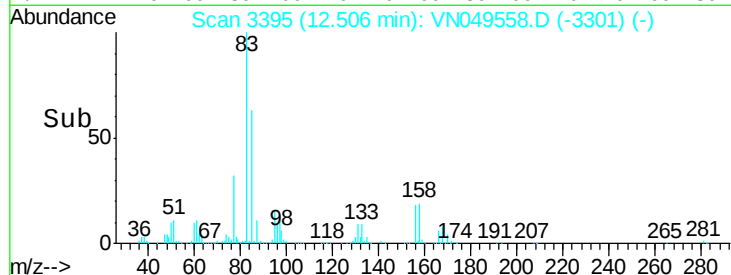
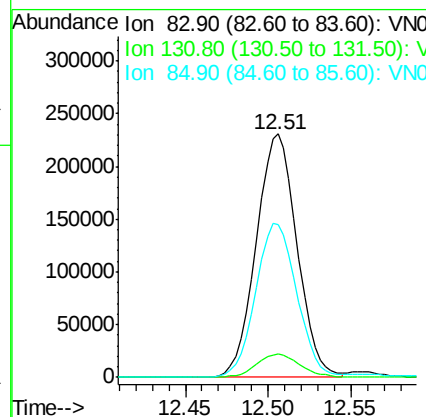
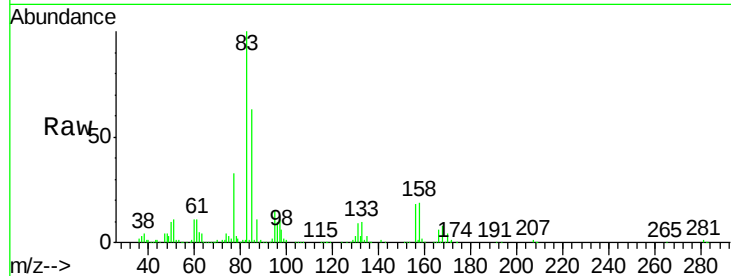
ClientSampleId :

VN0626MBS01

Tot Ion:	83	Resp:	395307
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	15.0
85	64.0	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.37 ug/l m

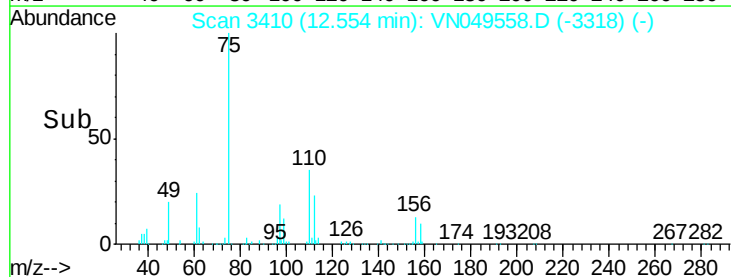
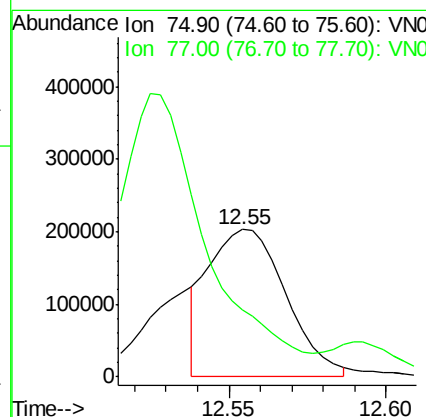
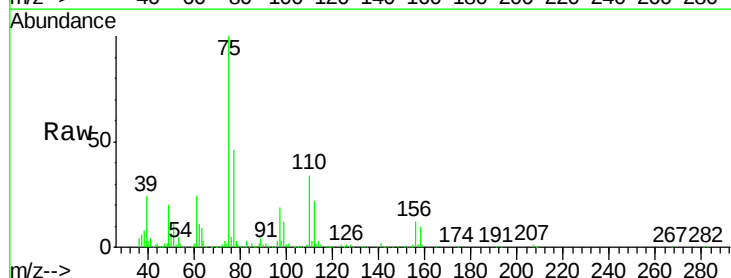
RT: 12.55 min Scan# 3410

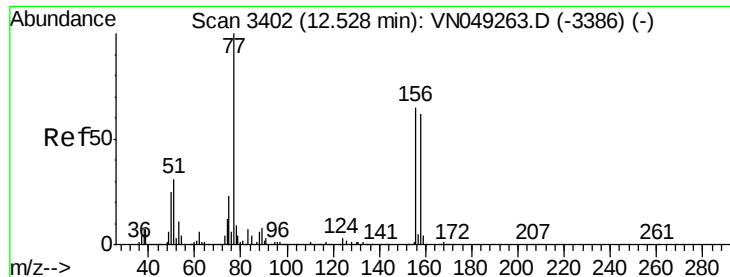
Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Tgt Ion:	75	Resp:	348589
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.44 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

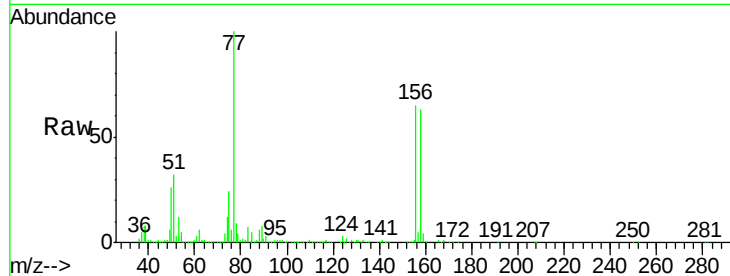
ClientSampleId :

VN0626MBS01

Tot Ion:	156	Resp:	449986
Ion Ratio	Lower	Upper	
156	100		
77	175.7	100.8	302.4
158	96.2	49.3	147.9

Manual Integrations
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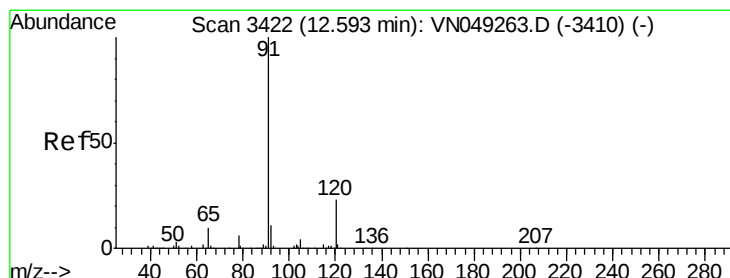
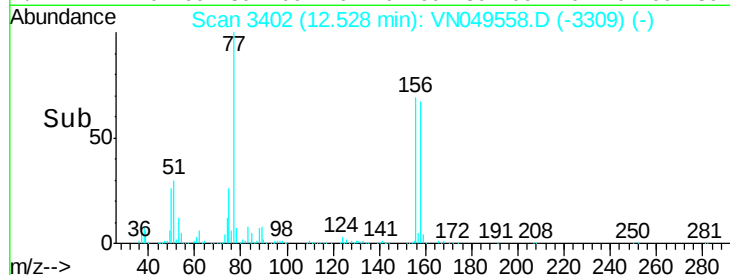
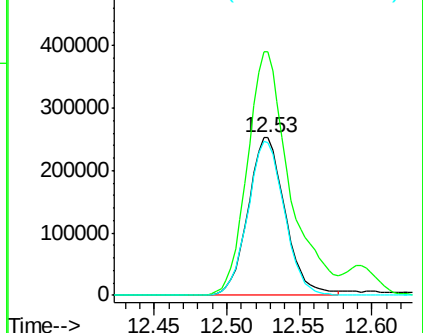
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.04 ug/l

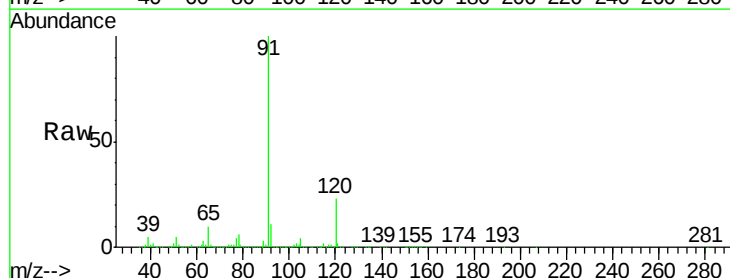
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049558.D

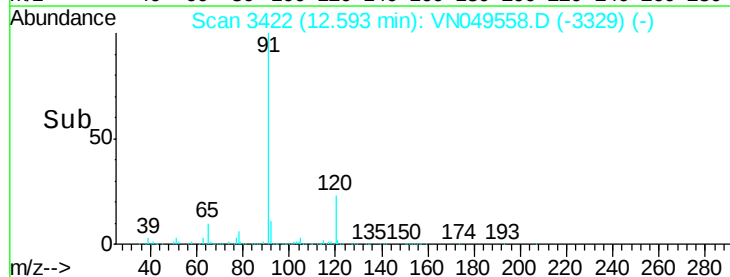
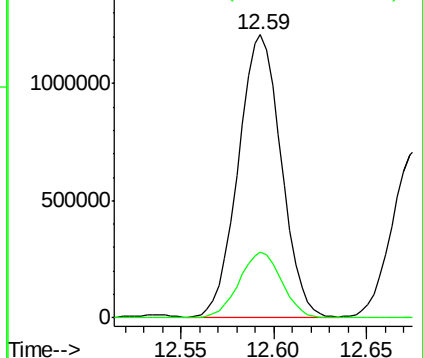
Acq: 26 Jun 2018 17:40

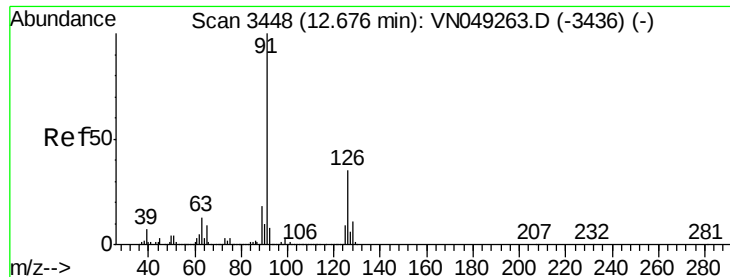
Tgt Ion:	91	Resp:	1934298
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.47 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBS01

Tot Ion: 91 Resp: 1186678

Ion Ratio Lower Upper

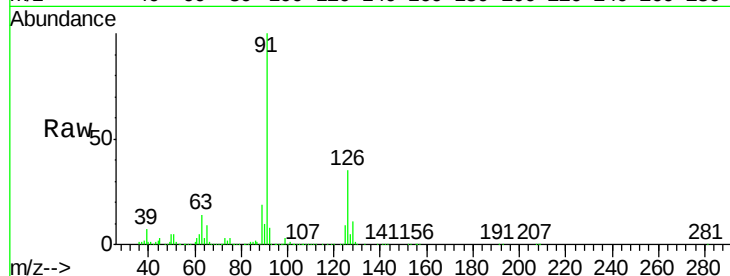
91 100

126 35.4 16.6 49.8

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3436) (-)

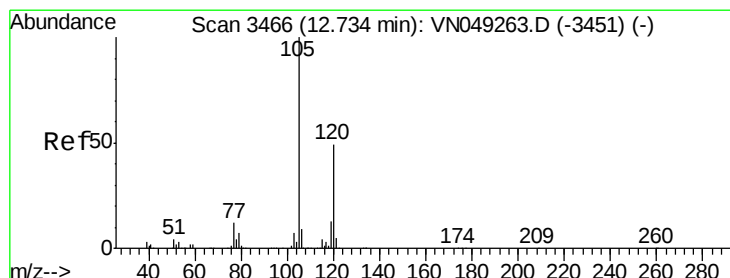
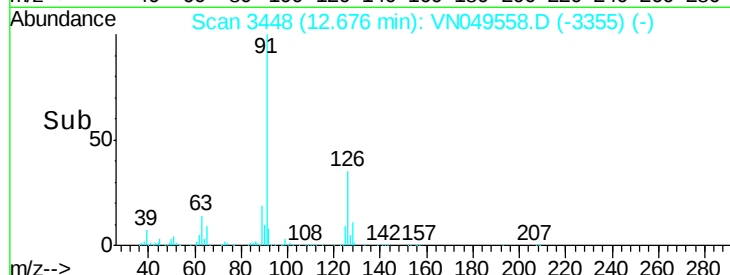
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.57 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049558.D

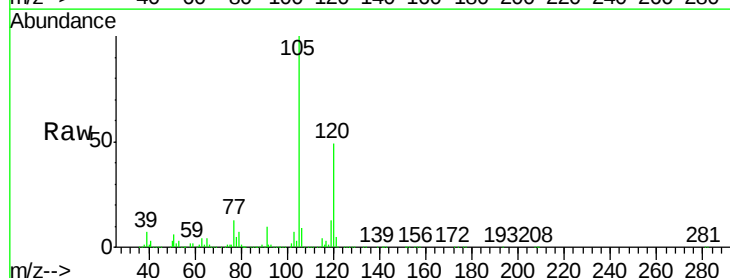
Acq: 26 Jun 2018 17:40

Tgt Ion: 105 Resp: 1425333

Ion Ratio Lower Upper

105 100

120 49.2 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)

1000000

800000

600000

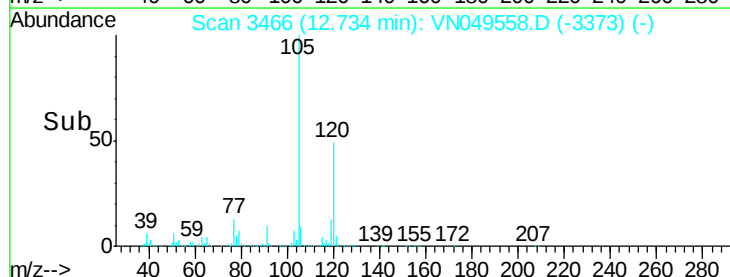
400000

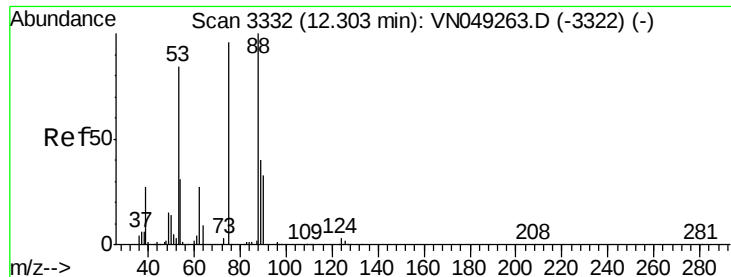
200000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.26 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

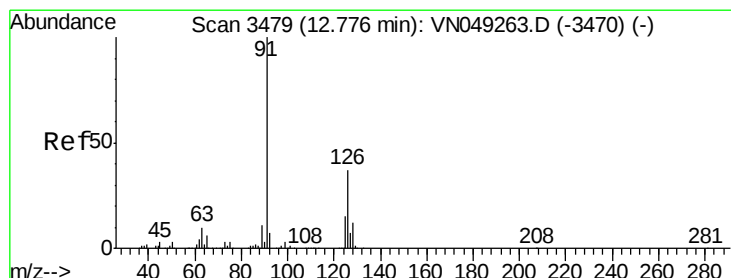
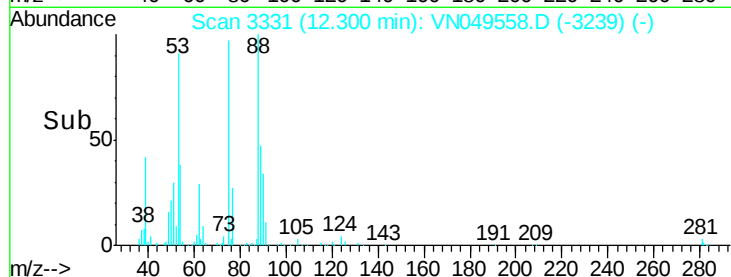
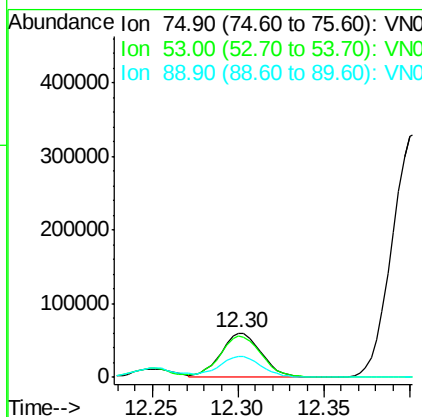
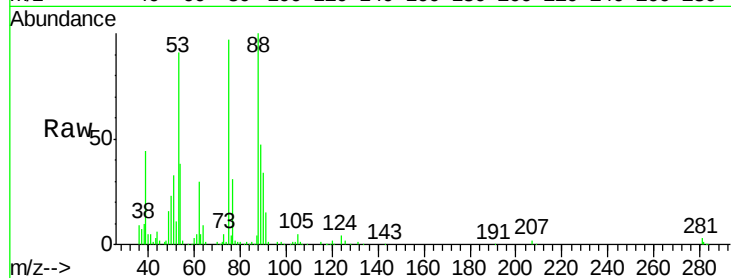
ClientSampleId :

VN0626MBS01

Tot Ion:	75	Resp:	97617
Ion	Ratio	Lower	Upper
75	100		
53	96.5	82.7	124.1
89	50.2	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.13 ug/l

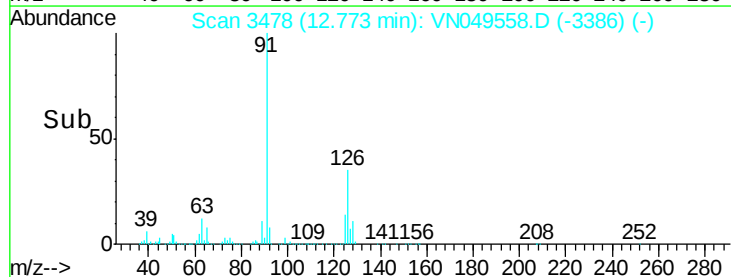
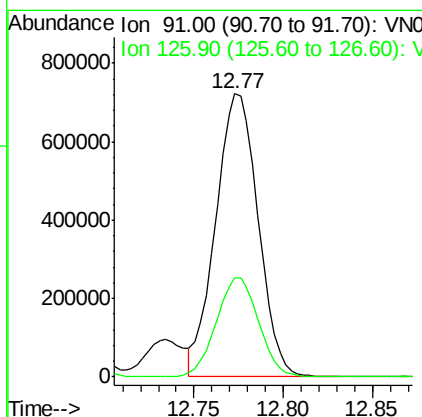
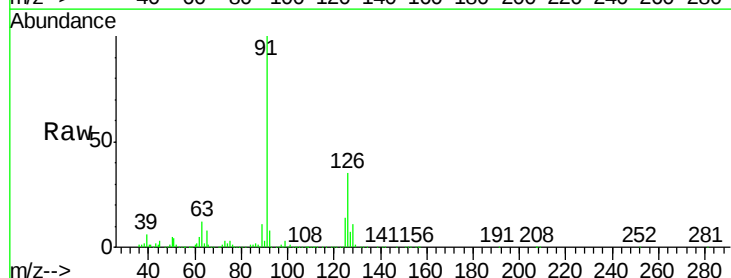
RT: 12.77 min Scan# 3478

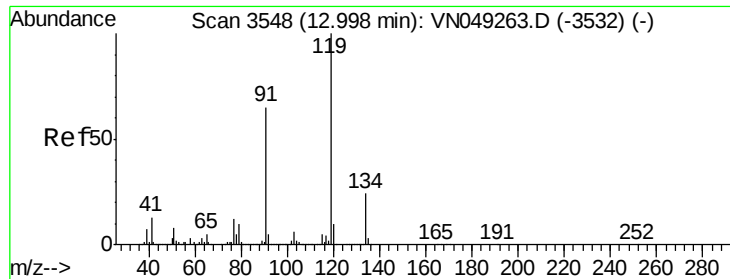
Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Tgt Ion:	91	Resp:	1188139
Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.4	49.1





#83

tert-Butylbenzene

Concen: 17.74 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBS01

Tot Ion:119 Resp: 1206529

Ion Ratio Lower Upper

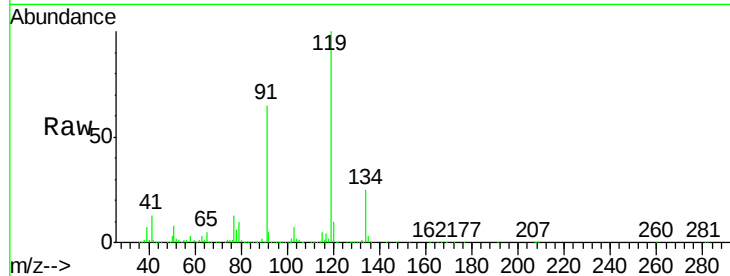
119 100

91 64.4 33.7 101.0

134 25.9 12.9 38.6

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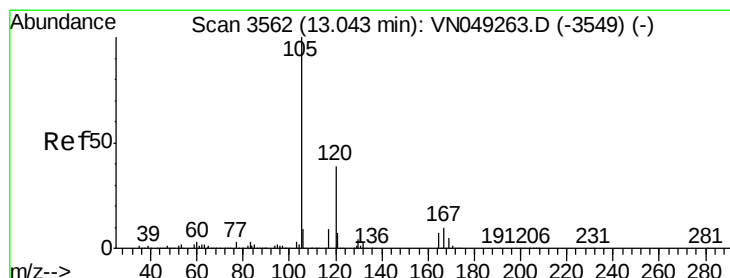
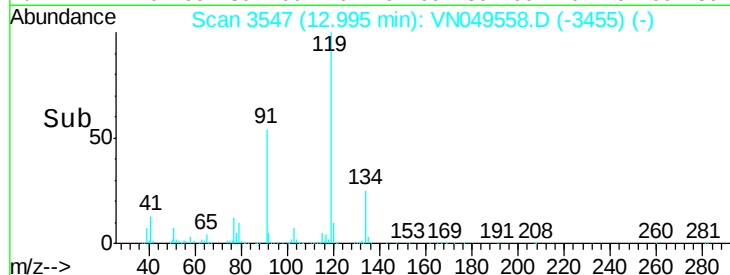
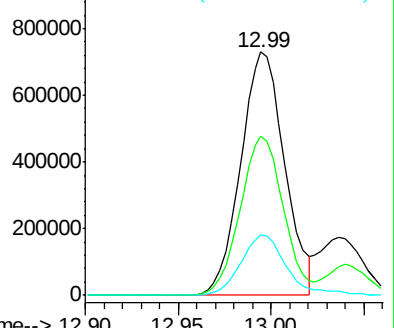
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 19.39 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049558.D

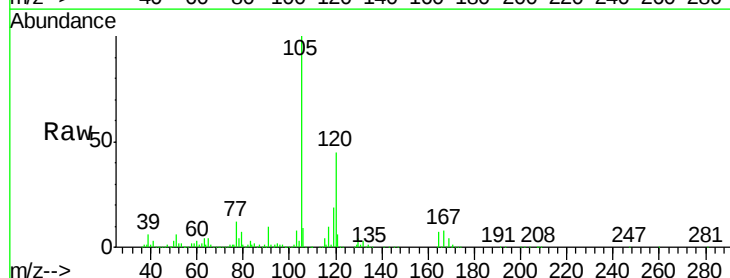
Acq: 26 Jun 2018 17:40

Tgt Ion:105 Resp: 1478183

Ion Ratio Lower Upper

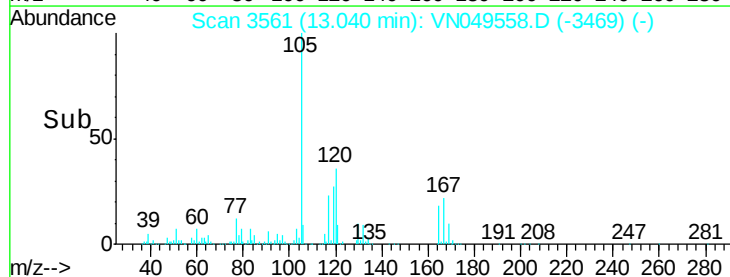
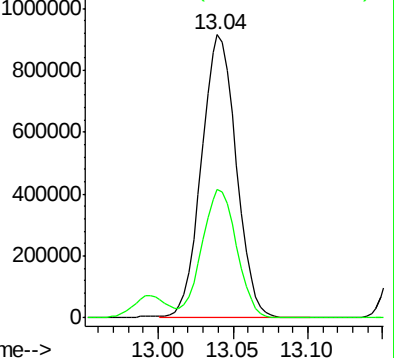
105 100

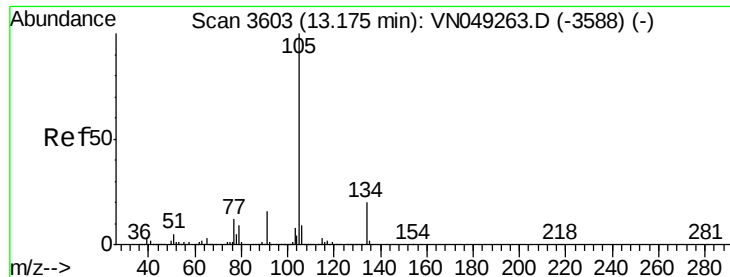
120 45.7 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 17.78 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

ClientSampled :

VN0626MBS01

Tot Ion:105 Resp: 1609566

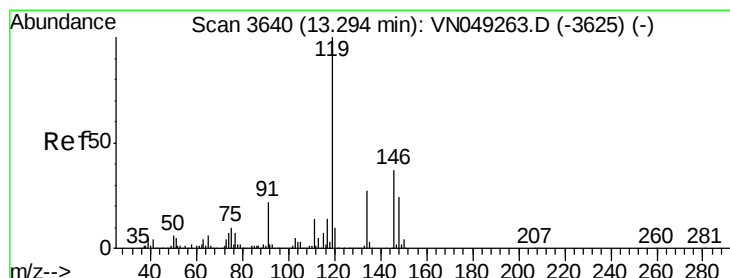
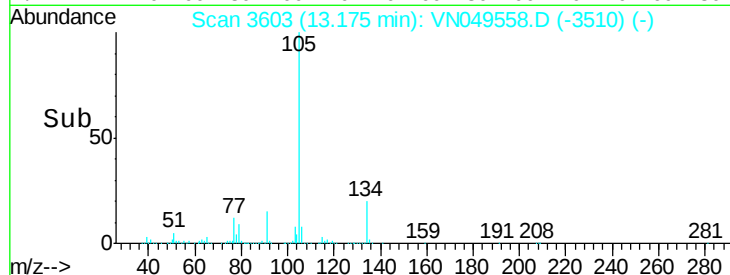
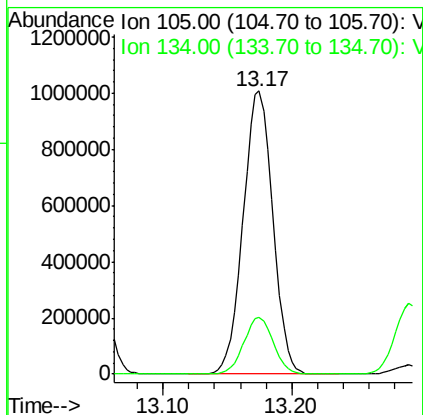
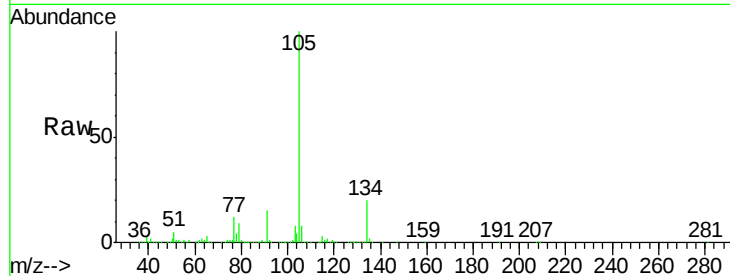
Ion Ratio Lower Upper

105 100

134 20.1 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 18.80 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

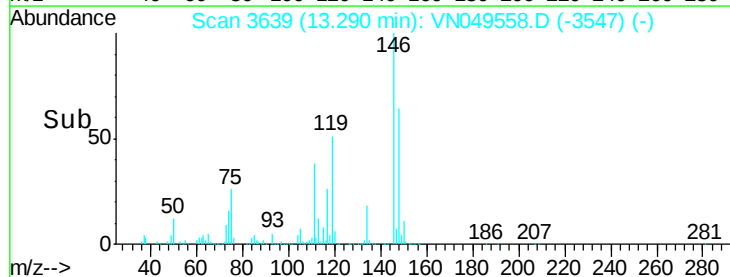
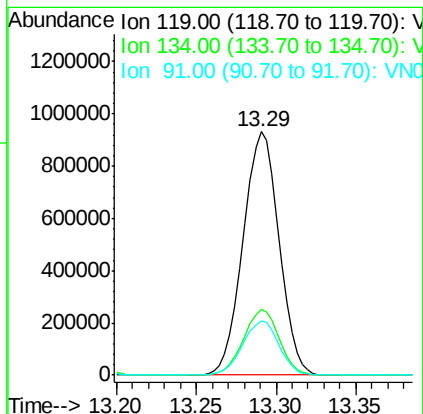
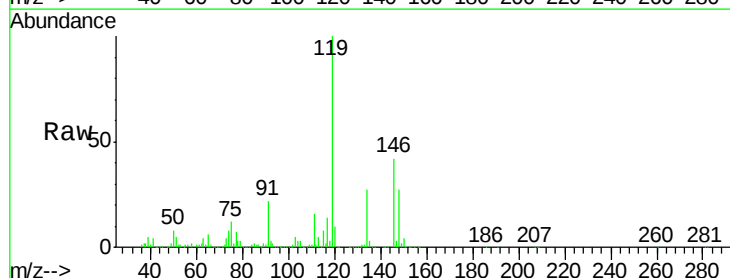
Tgt Ion:119 Resp: 1421378

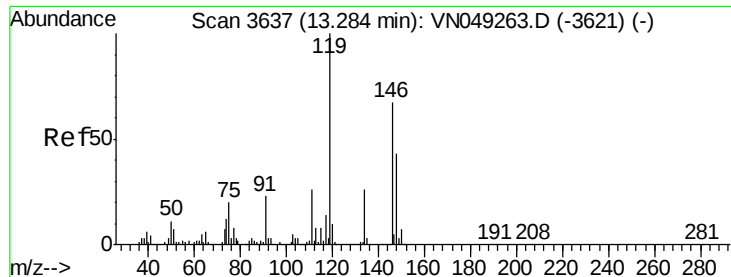
Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

91 22.4 12.1 36.3





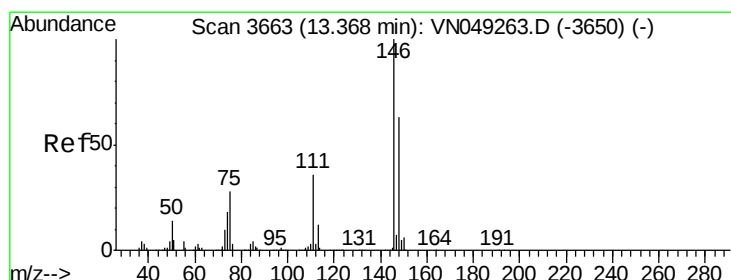
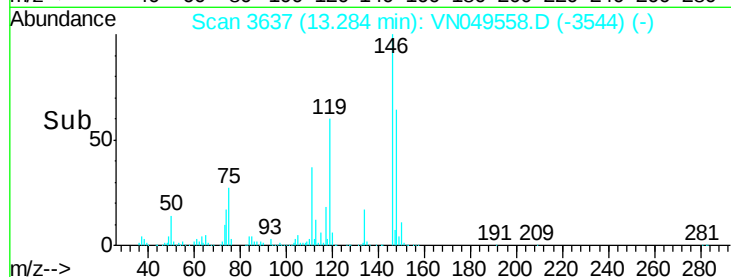
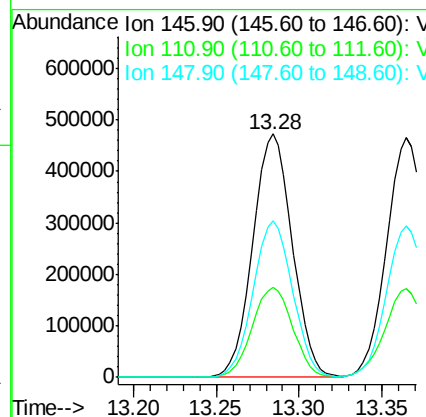
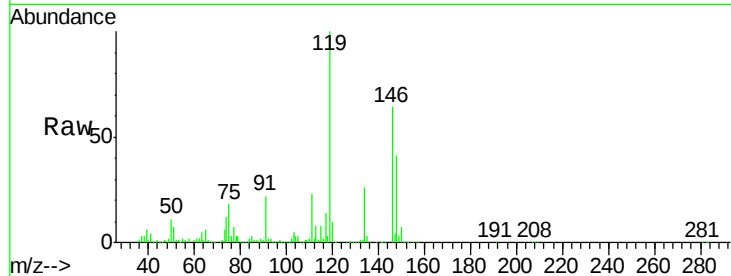
#87
 1,3-Dichlorobenzene
 Concen: 18.43 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.9	59.6
148	64.0	32.1	96.5

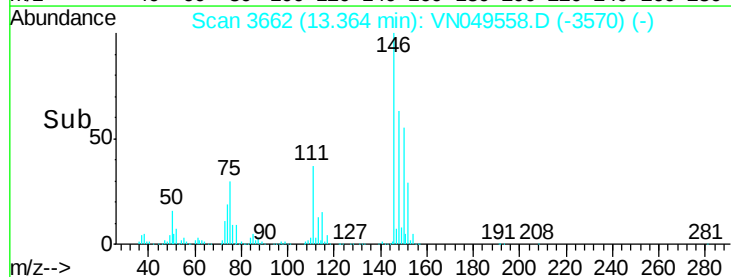
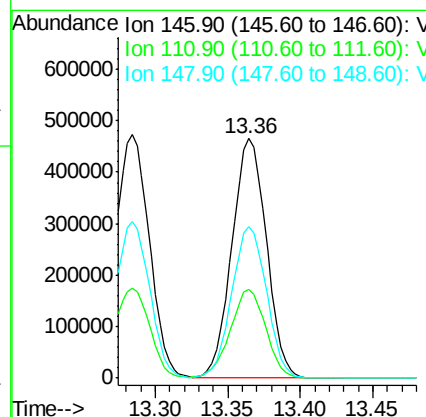
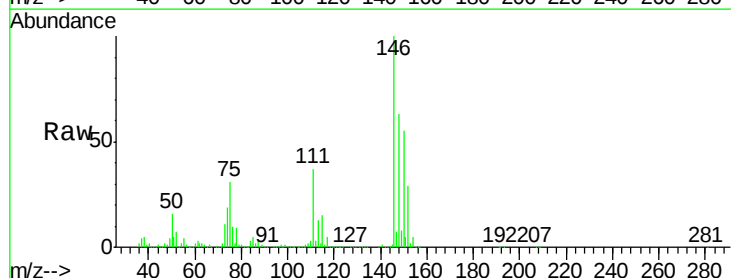
Manual Integrations
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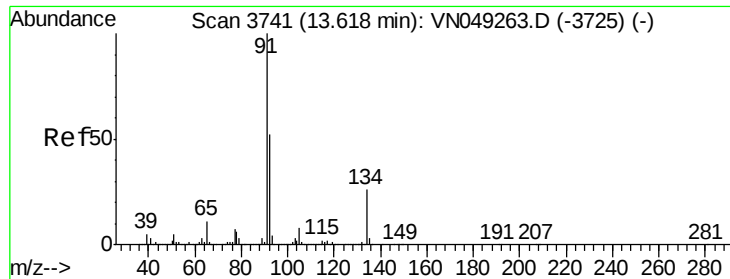
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#88
 1,4-Dichlorobenzene
 Concen: 18.30 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	63.8	32.0	96.2





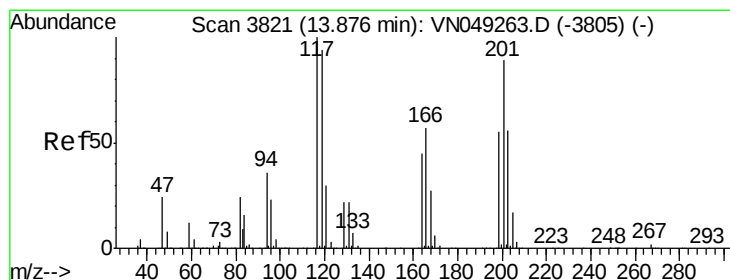
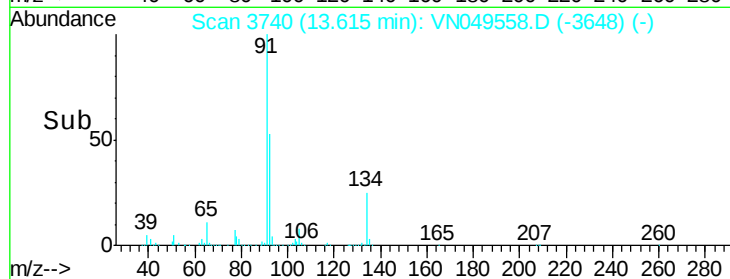
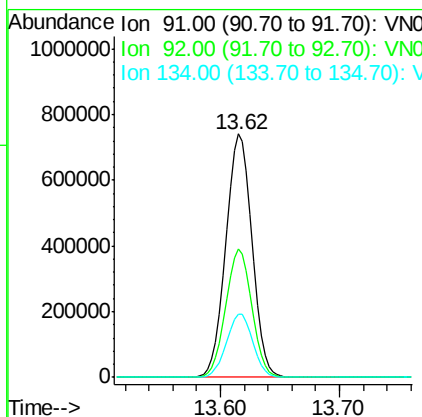
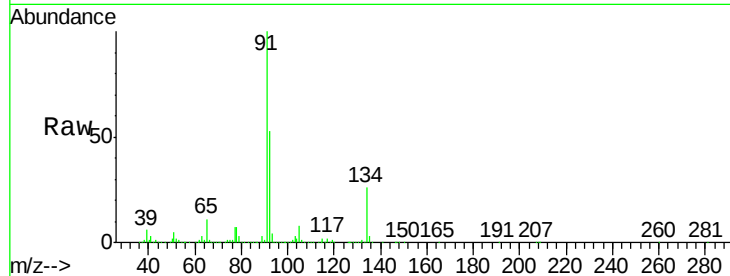
#89
n-Butylbenzene
Concen: 19.09 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	25.1	75.4
134	26.2	12.0	36.0

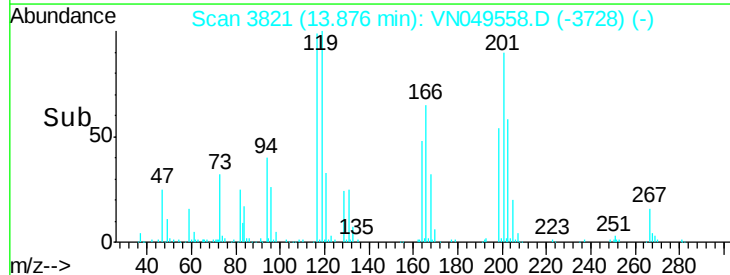
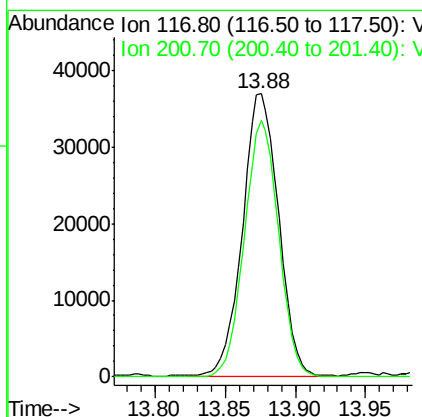
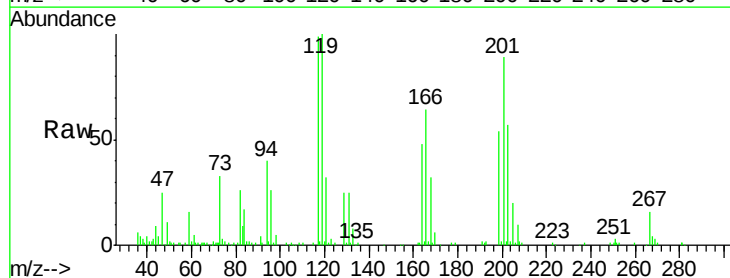
Manual Integrations
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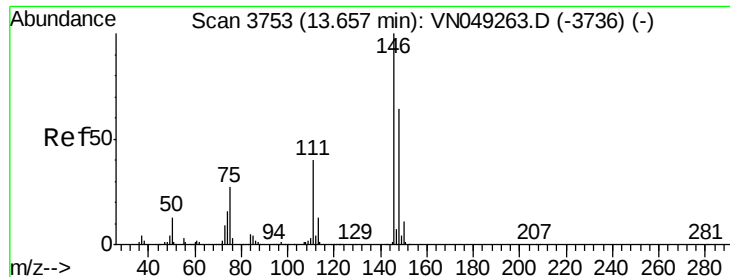
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#90
Hexachloroethane
Concen: 3.07 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	40.1	120.2





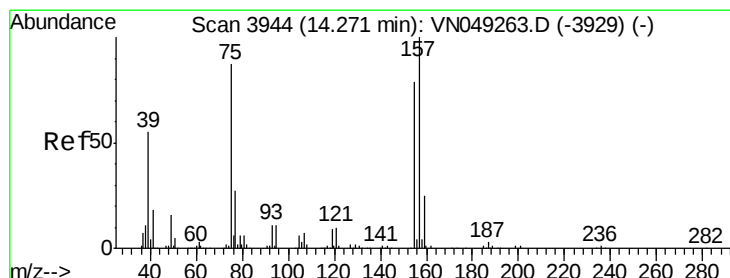
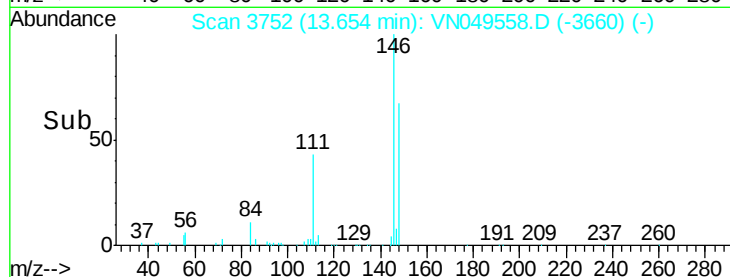
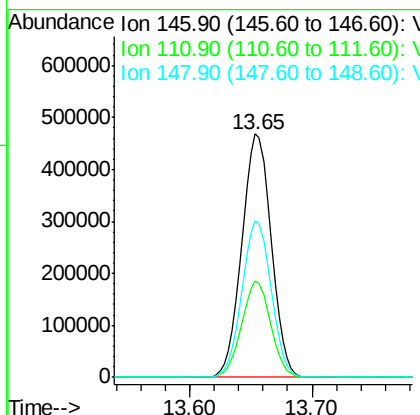
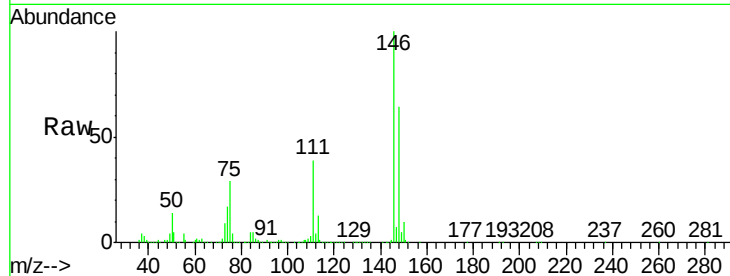
#91
 1,2-Dichlorobenzene
 Concen: 18.63 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.8	62.2
148	63.9	32.0	96.2

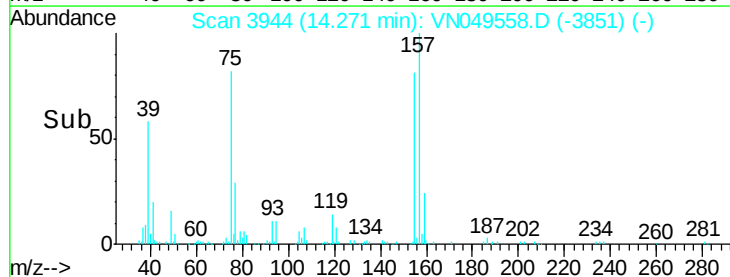
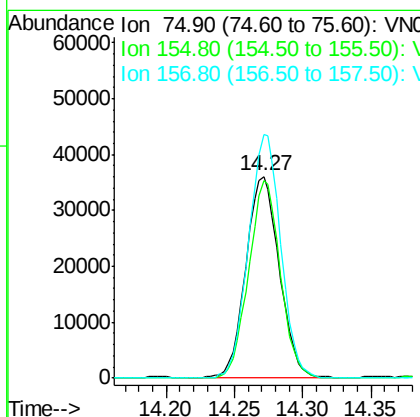
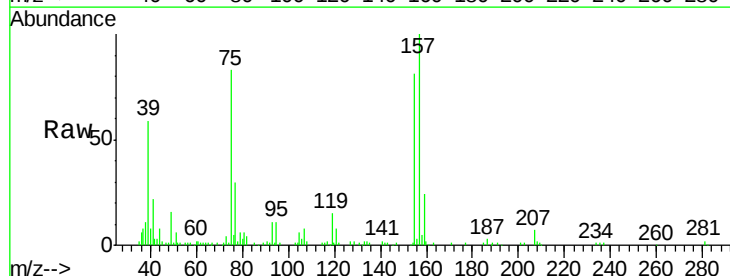
Manual Integrations
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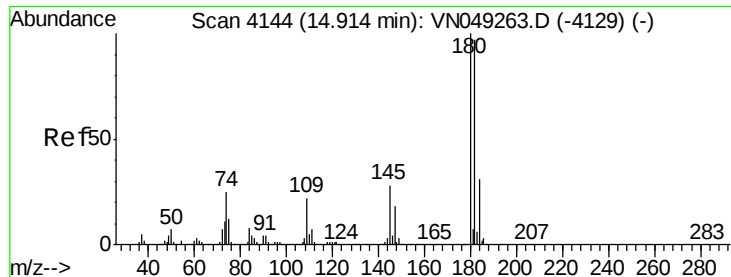
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.12 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN049558.D
 Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	38.8	116.3
157	116.0	51.0	153.1





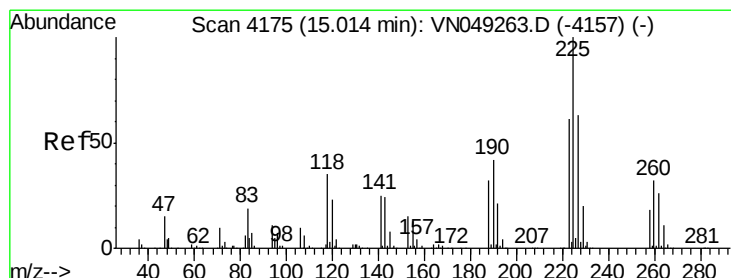
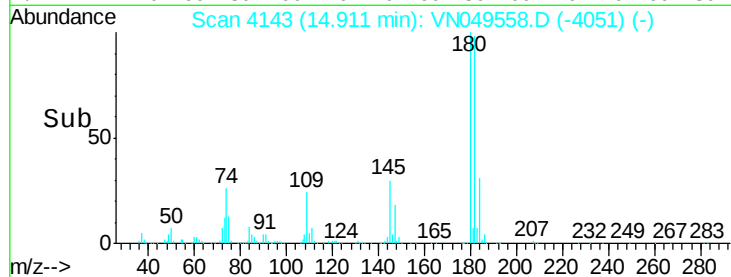
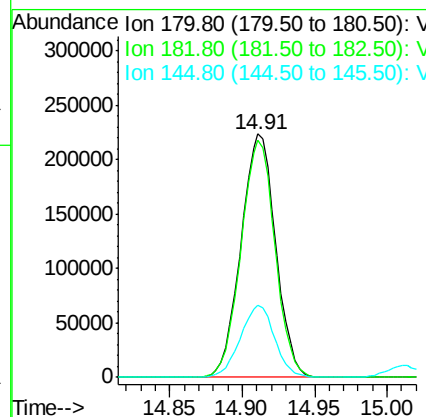
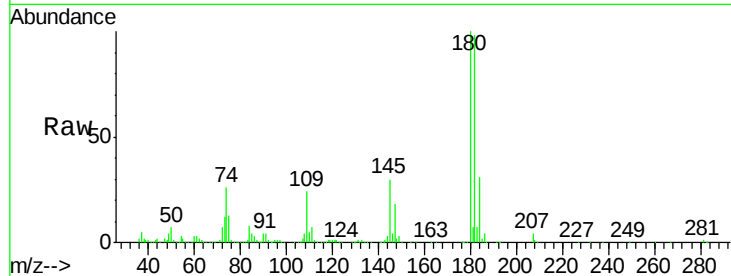
#93
1,2,4-Trichlorobenzene
Concen: 22.31 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	370294		
182	95.8	46.9	140.8	
145	29.4	14.7	44.1	

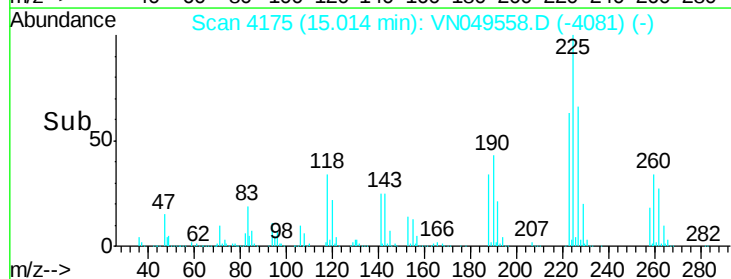
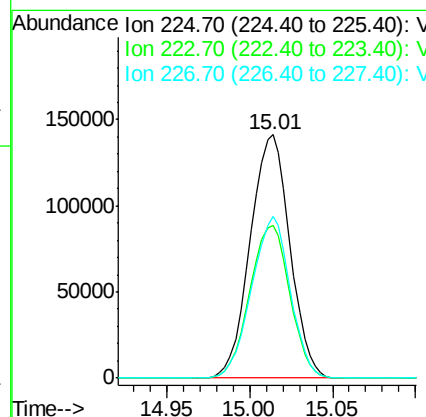
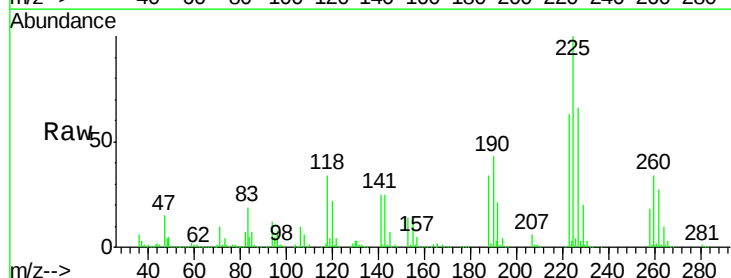
Manual Integrations
APPROVED

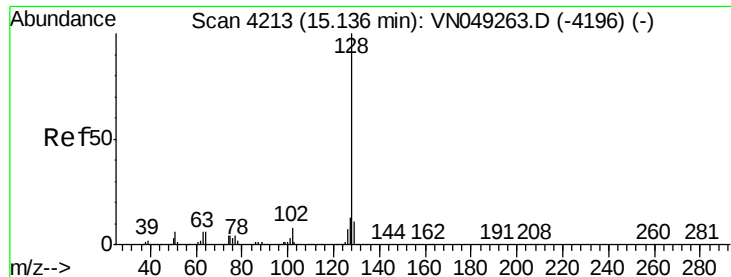
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#94
Hexachlorobutadiene
Concen: 17.54 ug/l
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049558.D
Acq: 26 Jun 2018 17:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	234970		
223	63.5	32.1	96.3	
227	64.5	31.8	95.3	





#95

Naphthalene

Concen: 26.93 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Instrument :

MSVOA_N

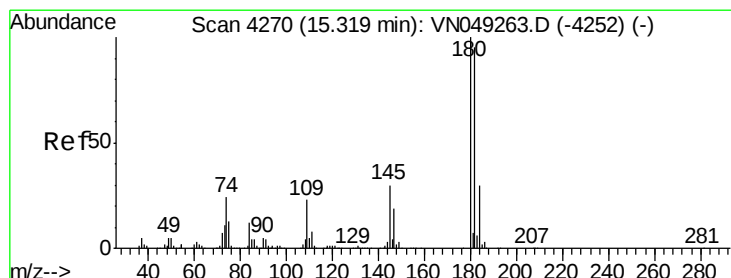
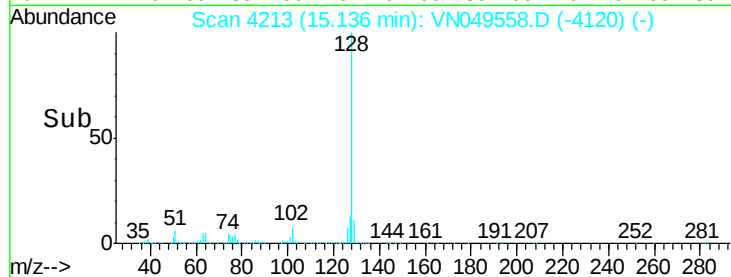
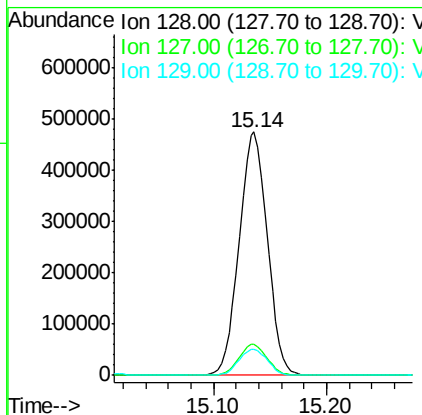
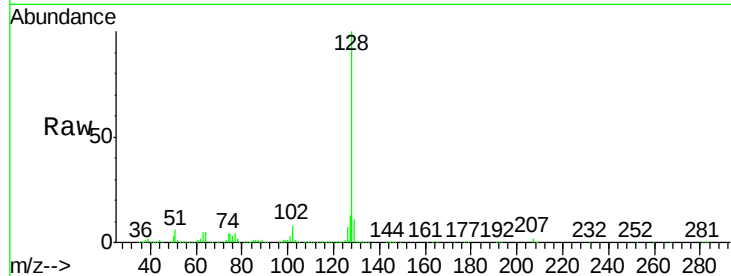
ClientSampleId :

VN0626MBS01

Tot Ion:	128	Resp:	823048
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	11.1	8.5	12.7

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.41 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049558.D

Acq: 26 Jun 2018 17:40

Tgt Ion:	180	Resp:	359683
Ion Ratio	Lower	Upper	
180	100		
182	96.5	47.3	141.8
145	30.0	15.6	46.7

