

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049268.D
 Acq On : 15 Jun 2018 19:17
 Operator : MD\SY
 Sample : VN0616WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Manual Integrations
 APPROVED

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 6/18/2018 3:16:14 PM

Quant Time: Jun 16 01:35:54 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	7.67	168	1551070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2307102	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2081601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	965206	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1046433	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	7.59	113	945618	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.09	98	3592189	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	
62) 4-Bromofluorobenzene	12.40	95	1147108	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	328203	18.38	ug/l	100
3) Chloromethane	2.06	50	427913	18.56	ug/l	97
4) Vinyl Chloride	2.18	62	453682	18.52	ug/l	98
5) Bromomethane	2.57	94	226287	17.57	ug/l	96
6) Chloroethane	2.70	64	277552	19.00	ug/l	99
7) Trichlorofluoromethane	3.01	101	579922	18.97	ug/l	99
8) Diethyl Ether	3.41	74	208584	19.55	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	370484	19.11	ug/l	94
10) Methyl Iodide	3.95	142	341906	16.94	ug/l	91
11) Tert butyl alcohol	4.80	59	119077	98.62	ug/l	98
12) 1,1-Dichloroethene	3.73	96	335662	18.87	ug/l	89
13) Acrolein	3.61	56	129505	102.28	ug/l	99
14) Allyl chloride	4.32	41	546741	19.47	ug/l	88
15) Acrylonitrile	4.99	53	580035	96.07	ug/l	99
16) Acetone	3.82	43	486925	97.48	ug/l #	89
17) Carbon Disulfide	4.05	76	985177	17.67	ug/l	99
18) Methyl Acetate	4.33	43	291246	19.12	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	909270	20.05	ug/l	99
20) Methylene Chloride	4.55	84	393287	18.85	ug/l	89
21) trans-1,2-Dichloroethene	5.04	96	354019	18.80	ug/l	94
22) Diisopropyl ether	5.96	45	1125945	20.08	ug/l	97
23) Vinyl Acetate	5.90	43	3602176	98.54	ug/l #	95
24) 1,1-Dichloroethane	5.85	63	690918	19.25	ug/l	99
25) 2-Butanone	6.84	43	651732	97.17	ug/l	97
26) 2,2-Dichloropropane	6.82	77	569850	19.66	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	408902	19.53	ug/l	91
28) Bromochloromethane	7.20	49	319714	20.09	ug/l #	83
29) Tetrahydrofuran	7.22	42	422045	97.75	ug/l	94
30) Chloroform	7.37	83	691423	19.36	ug/l	100
31) Cyclohexane	7.66	56	613645	20.06	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	600335	19.70	ug/l	97
36) 1,1-Dichloropropene	7.79	75	509486	19.27	ug/l	97
37) Ethyl Acetate	6.93	43	305146	21.23	ug/l	97
38) Carbon Tetrachloride	7.77	117	532805	19.46	ug/l	98

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Quant Time: Jun 16 01:35:54 2018
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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)
39) Methylcyclohexane	9.08	83	533117	18.78	ug/l	98
40) Benzene	8.04	78	1573930	19.42	ug/l	99
41) Methacrylonitrile	7.17	41	155677	20.03	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	491956	19.64	ug/l	96
43) Isopropyl Acetate	8.17	43	532404	19.38	ug/l	94
44) Trichloroethene	8.84	130	415339	19.40	ug/l	90
45) 1,2-Dichloropropane	9.12	63	412690	19.44	ug/l	98
46) Dibromomethane	9.21	93	234578	19.06	ug/l	90
47) Bromodichloromethane	9.40	83	523164	19.34	ug/l	97
48) Methyl methacrylate	9.20	41	259061	20.03	ug/l	88
49) 1,4-Dioxane	9.20	88	71157	398.62	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	1438076	99.90	ug/l	94
52) Toluene	10.16	92	952294	20.02	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	489165	18.91	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	584213	19.12	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	338923	19.11	ug/l	99
56) Ethyl methacrylate	10.43	69	401429	19.62	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	564306	19.21	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	551724	85.42	ug/l	95
59) 2-Hexanone	10.75	43	907203	97.76	ug/l	93
60) Dibromochloromethane	10.90	129	377844	19.09	ug/l	100
61) 1,2-Dibromoethane	11.01	107	321772	19.52	ug/l	98
64) Tetrachloroethene	10.63	164	419549	19.67	ug/l	97
65) Chlorobenzene	11.44	112	1030461	19.22	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	388156	19.23	ug/l	99
67) Ethyl Benzene	11.51	91	1746523	19.64	ug/l	97
68) m/p-Xylenes	11.62	106	1348862	40.41	ug/l	96
69) o-Xylene	11.95	106	645197	20.07	ug/l	96
70) Styrene	11.97	104	1016013	20.03	ug/l	98
71) Bromoform	12.13	173	249363	19.09	ug/l #	99
73) Isopropylbenzene	12.25	105	1730240	20.42	ug/l	98
74) N-amyl acetate	12.07	43	390370	18.81	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	389625	21.05	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	325506m	19.76	ug/l	
77) Bromobenzene	12.53	156	429308	19.18	ug/l	89
78) n-propylbenzene	12.59	91	1908127	20.51	ug/l	98
79) 2-Chlorotoluene	12.68	91	1176637	19.96	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1391132	20.88	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	97813	18.77	ug/l	94
82) 4-Chlorotoluene	12.78	91	1143779	20.11	ug/l	97
83) tert-Butylbenzene	12.99	119	1193996	20.23	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1393252	21.05	ug/l	99
85) sec-Butylbenzene	13.17	105	1566822	19.95	ug/l	98
86) p-Isopropyltoluene	13.29	119	1320394	20.12	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	705475	19.16	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	678486	18.59	ug/l	99
89) n-Butylbenzene	13.62	91	944217	18.42	ug/l	97
90) Hexachloroethane	13.88	117	263832	20.23	ug/l	88
91) 1,2-Dichlorobenzene	13.66	146	695427	19.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54717	18.55	ug/l	87

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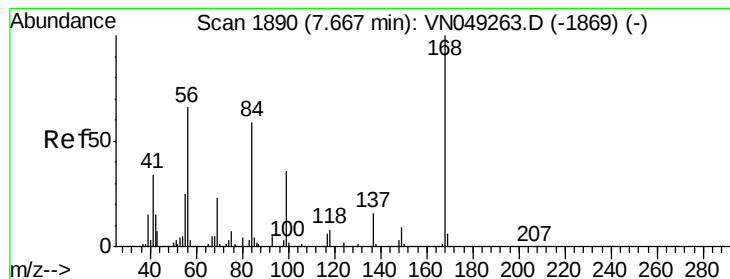
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	224198	17.00	ug/l	99
94) Hexachlorobutadiene	15.01	225	223574	19.50	ug/l	99
95) Naphthalene	15.14	128	442605	17.88	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	247618	17.70	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS01

Tot Ion:168 Resp: 1551070

Ion Ratio Lower Upper

168 100

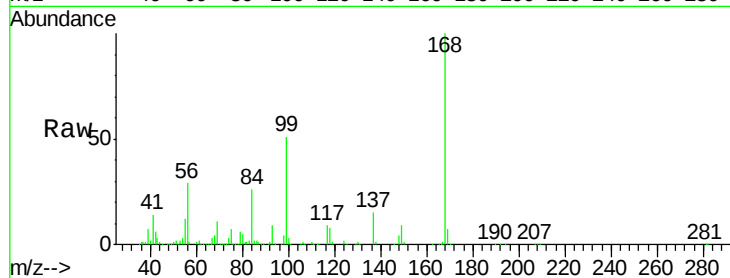
99 50.8 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

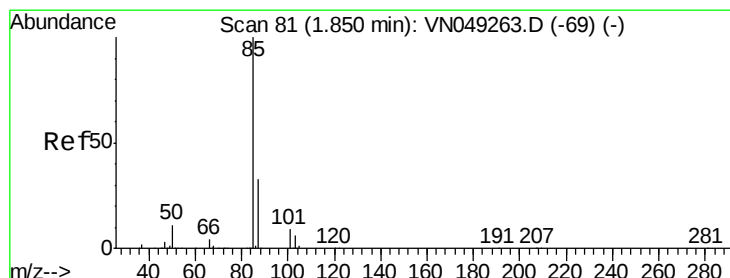
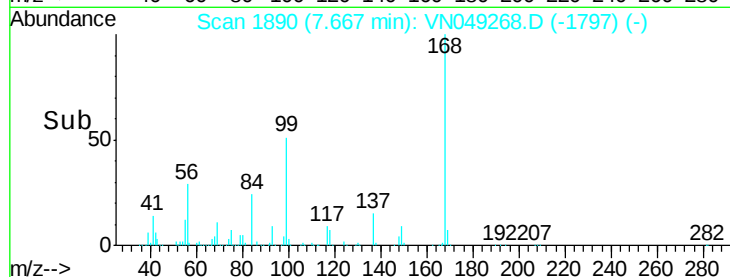
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 18.38 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049268.D

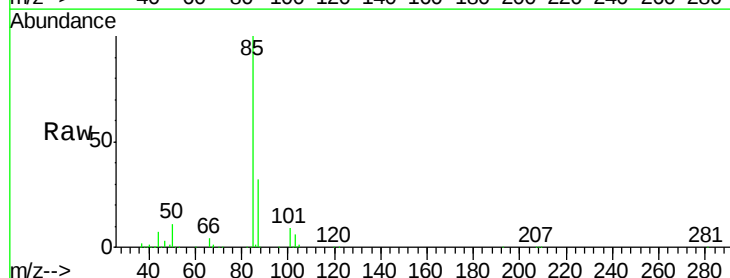
Acq: 15 Jun 2018 19:17

Tgt Ion: 85 Resp: 328203

Ion Ratio Lower Upper

85 100

87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

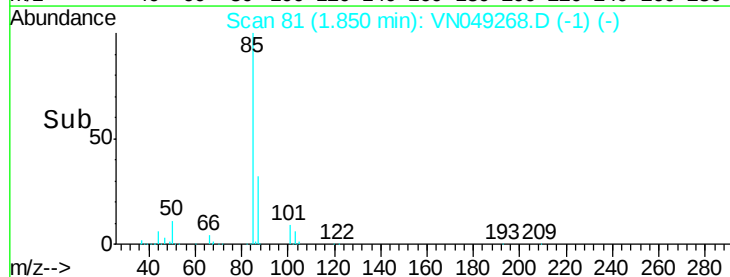
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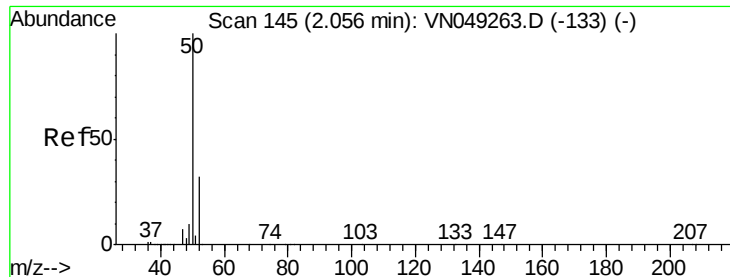
100000

50000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 18.56 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS01

Tot Ion: 50 Resp: 427913

Ion Ratio Lower Upper

50 100

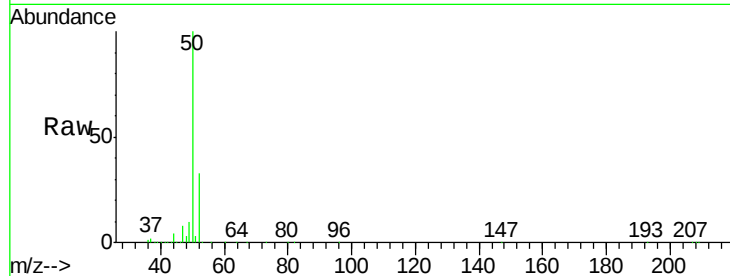
52 32.9 25.2 37.8

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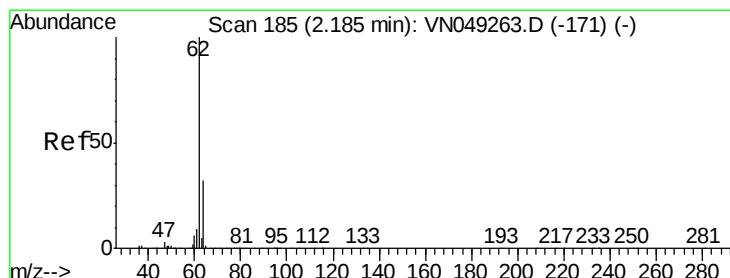
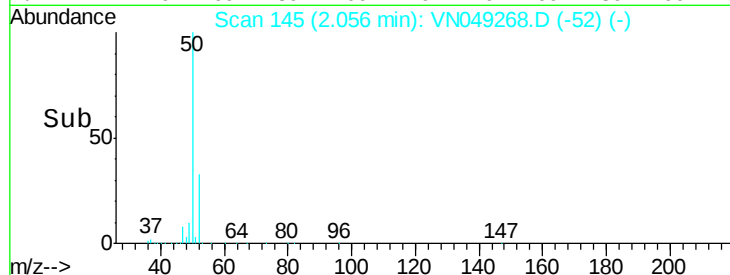
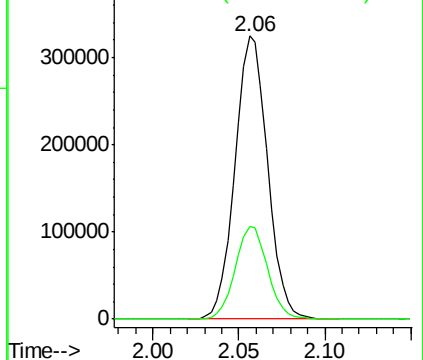
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.52 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049268.D

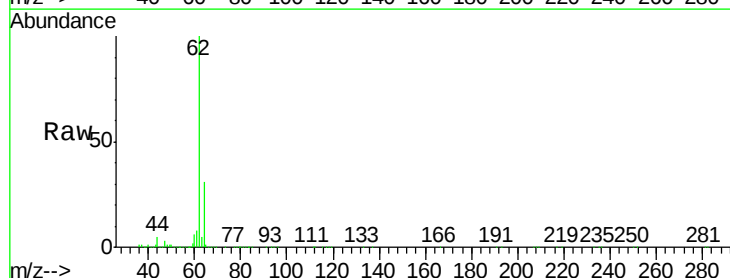
Acq: 15 Jun 2018 19:17

Tgt Ion: 62 Resp: 453682

Ion Ratio Lower Upper

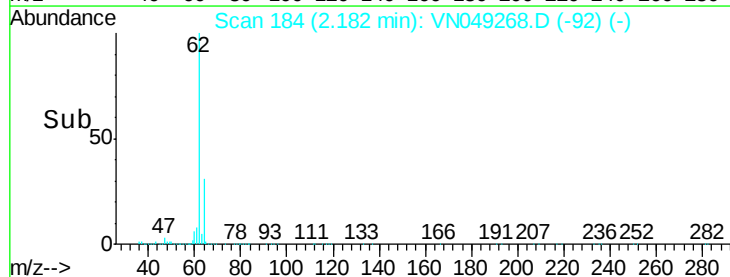
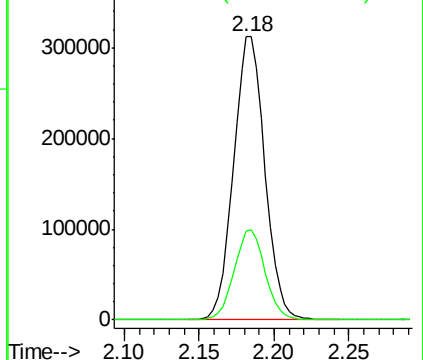
62 100

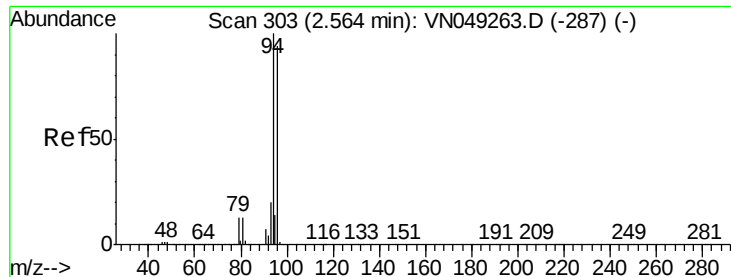
64 31.2 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 17.57 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

ClientSampled :

VN0616WBS01

Tot Ion: 94 Resp: 226287

Ion Ratio Lower Upper

94 100

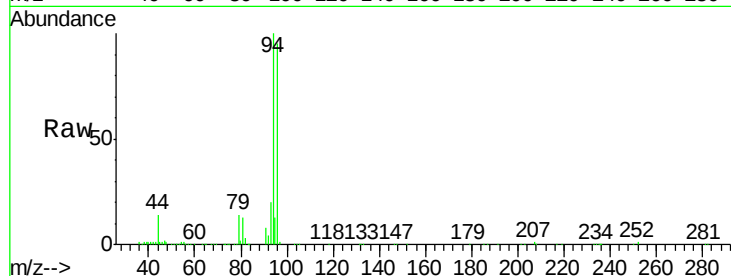
96 94.5 72.8 109.2

Manual Integrations

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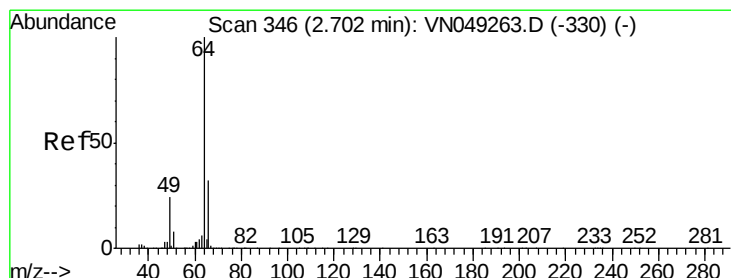
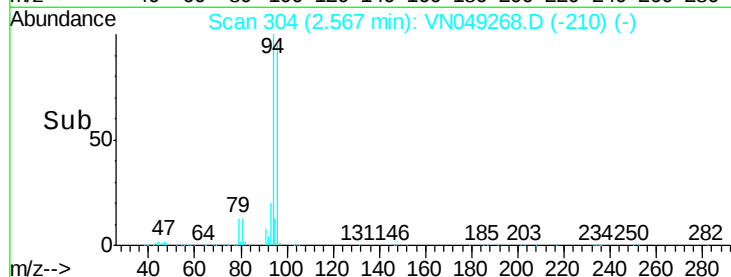
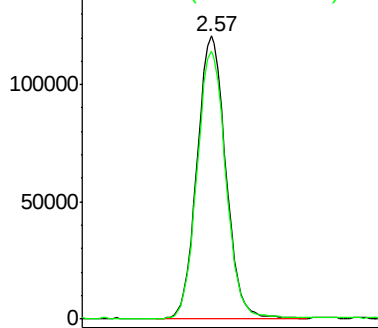
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.00 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049268.D

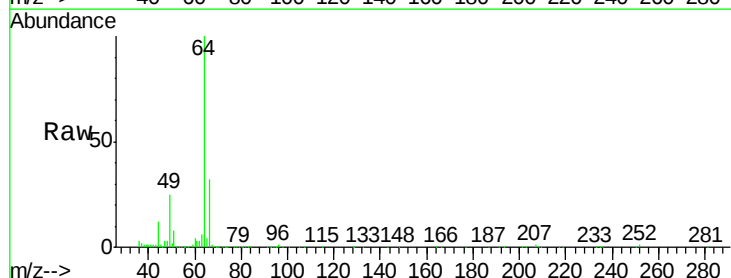
Acq: 15 Jun 2018 19:17

Tgt Ion: 64 Resp: 277552

Ion Ratio Lower Upper

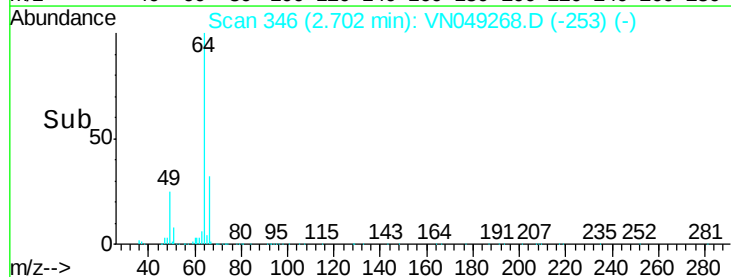
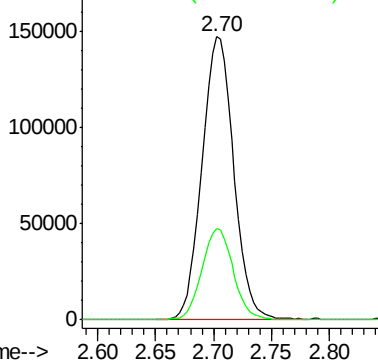
64 100

66 32.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

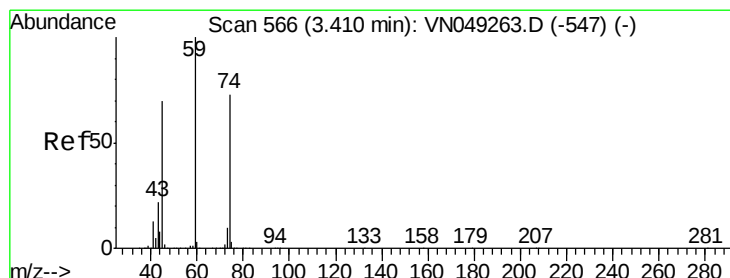
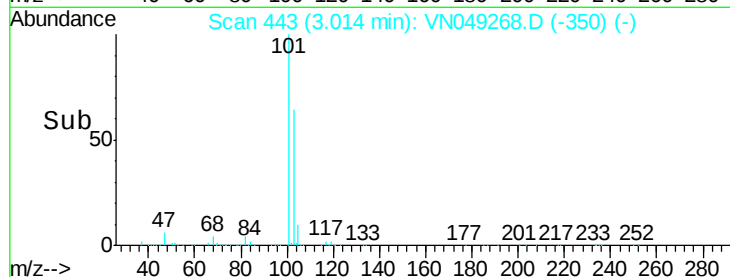
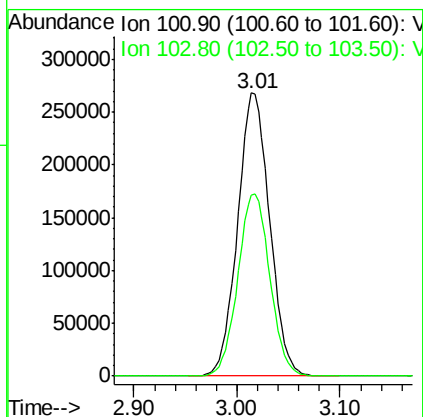
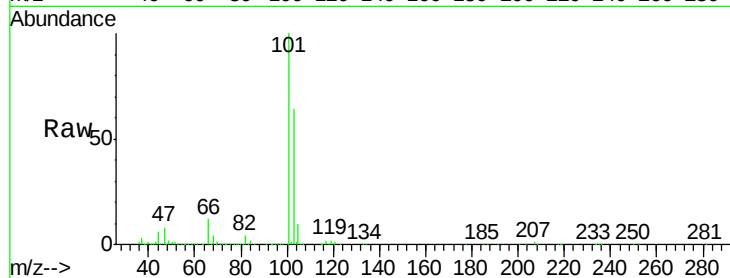
Trichlorofluoromethane
Concen: 18.97 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

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VN0616WBS01

Tot Ion	Ion	Ratio	Lower	Upper
101	100			
103	64.1	51.7	77.5	

Manual Integrations
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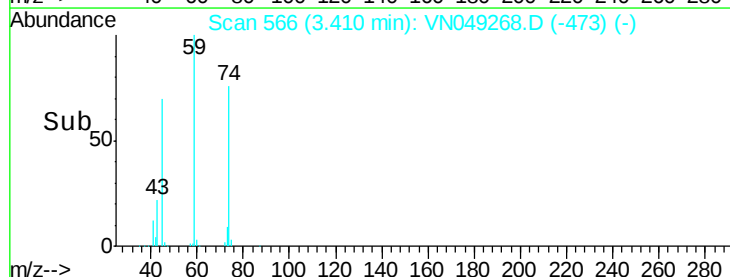
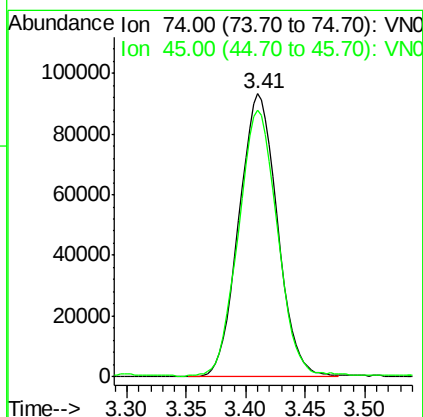
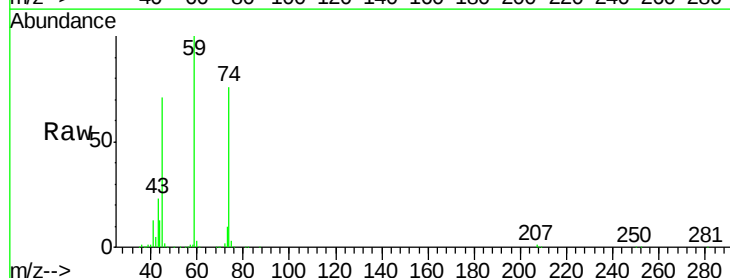
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6/18/2018 3:16:14 PM



#8

Diethyl Ether
Concen: 19.55 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	Ion	Ratio	Lower	Upper
74	100			
45	95.7	51.9	155.8	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.11 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

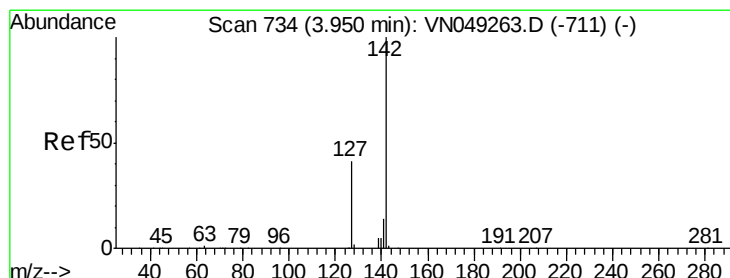
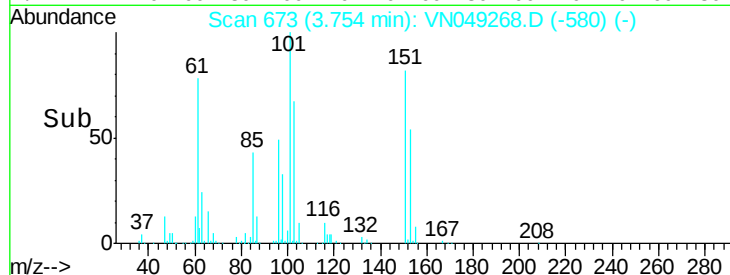
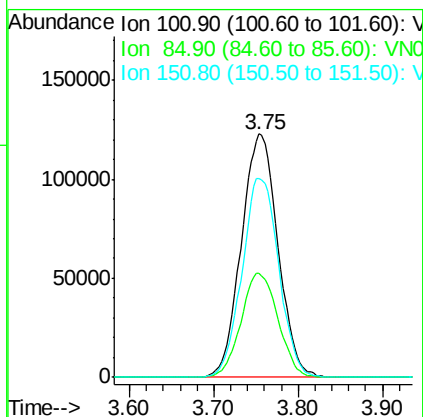
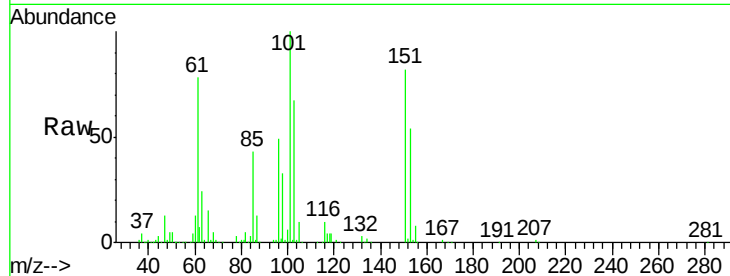
ClientSampleId :

VN0616WBS01

Tot Ion:	101	Resp:	370484
Ion Ratio	Lower	Upper	
101	100		
85	43.3	37.6	56.4
151	82.2	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 16.94 ug/l

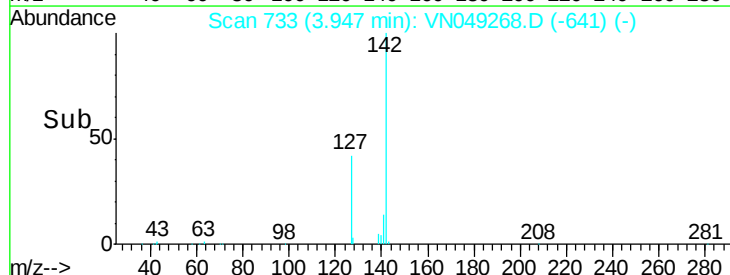
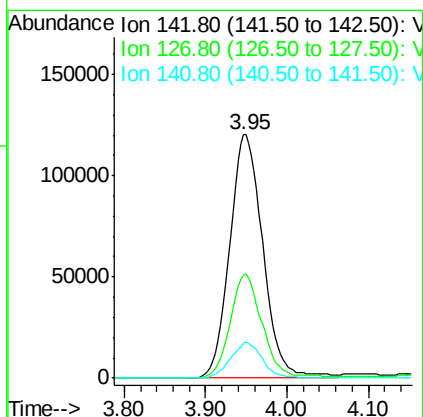
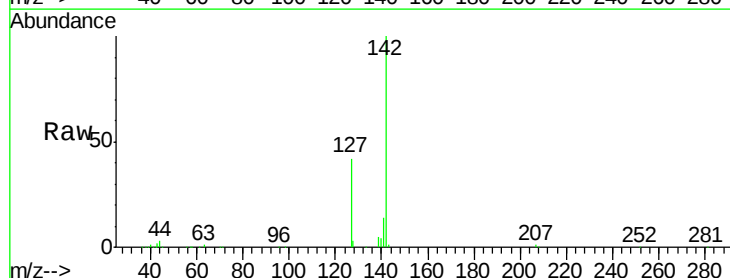
RT: 3.95 min Scan# 733

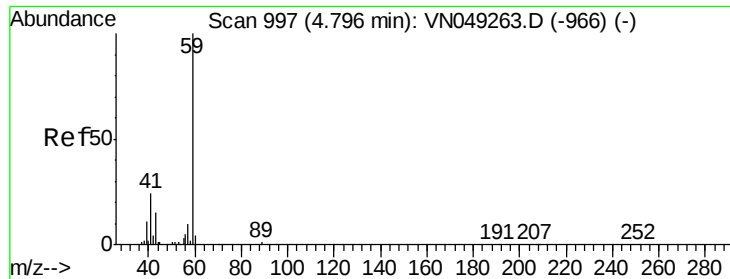
Delta R.T. -0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Tgt Ion:	142	Resp:	341906
Ion Ratio	Lower	Upper	
142	100		
127	40.5	38.2	57.4
141	14.0	11.9	17.9





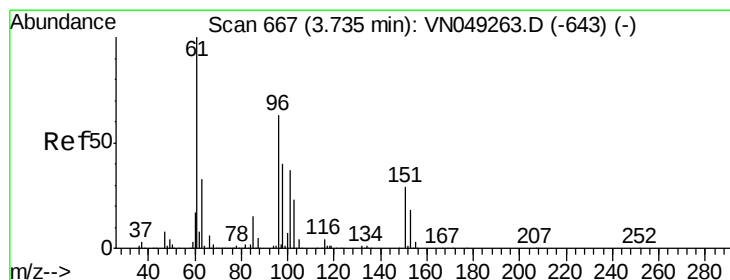
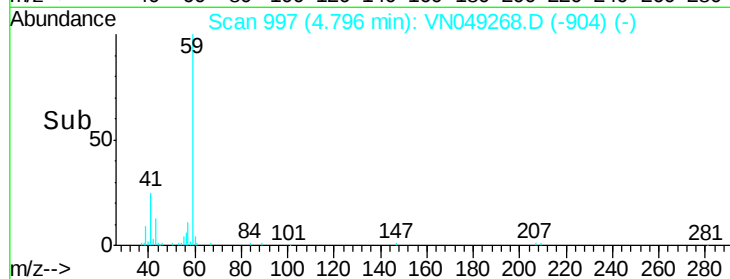
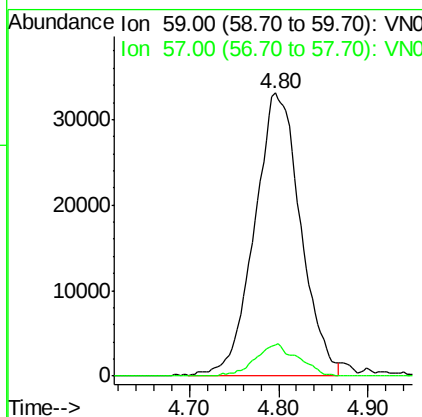
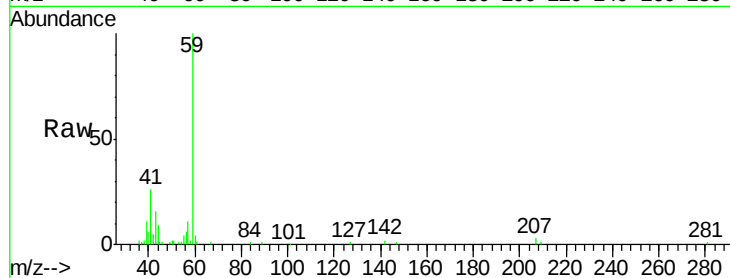
#11
Tert butyl alcohol
Concen: 98.62 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

Tot Ion	59	Resp	119077
Ion Ratio	59	100	
Lower	57	10.6	9.0
Upper			13.6

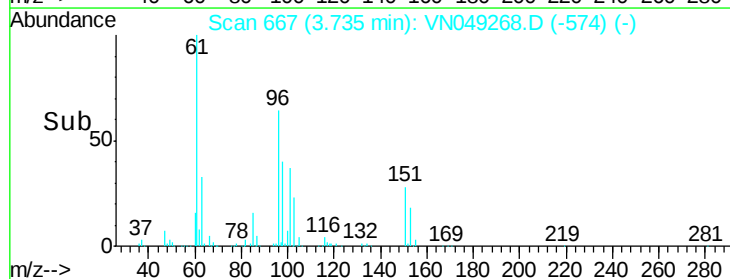
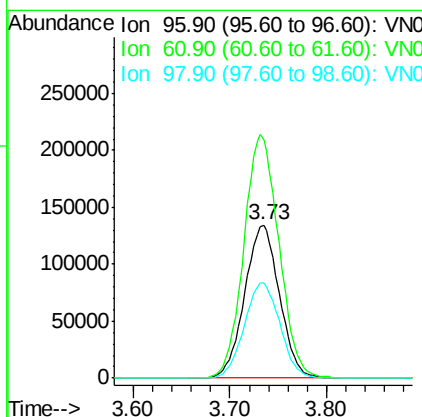
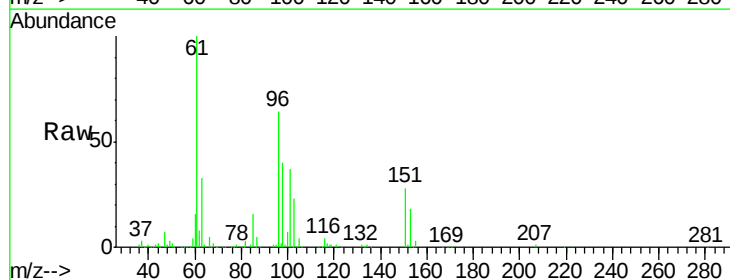
Manual Integrations
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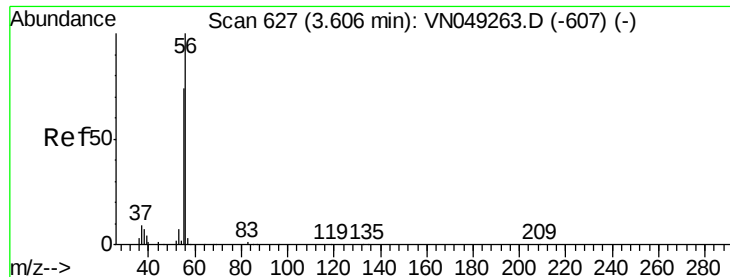
MMDadoda
6/18/2018 3:16:14 PM



#12
1,1-Dichloroethene
Concen: 18.87 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	96	Resp	335662
Ion Ratio	96	100	
Lower	61	156.4	141.0
Upper	98	62.4	50.4





#13

Acrolein

Concen: 102.28 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS01

Tot Ion: 56 Resp: 129505

Ion Ratio Lower Upper

56 100

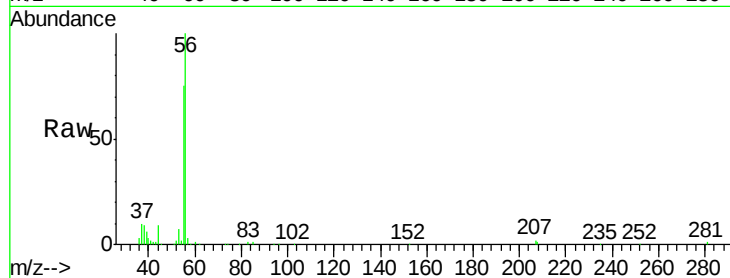
55 70.2 57.1 85.7

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

50000

40000

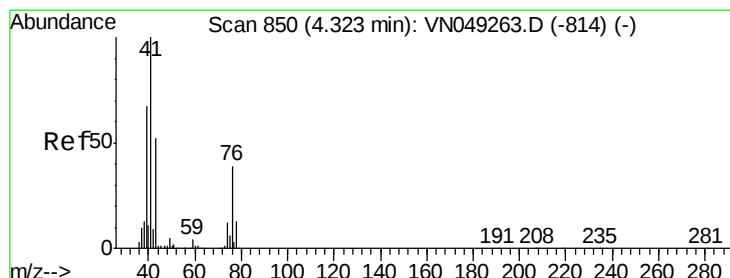
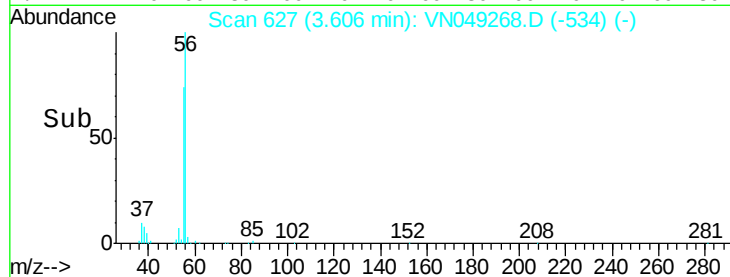
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 19.47 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

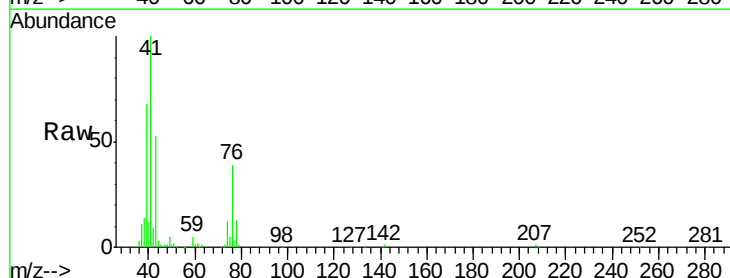
Tgt Ion: 41 Resp: 546741

Ion Ratio Lower Upper

41 100

39 64.9 62.5 93.7

76 36.5 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

250000

200000

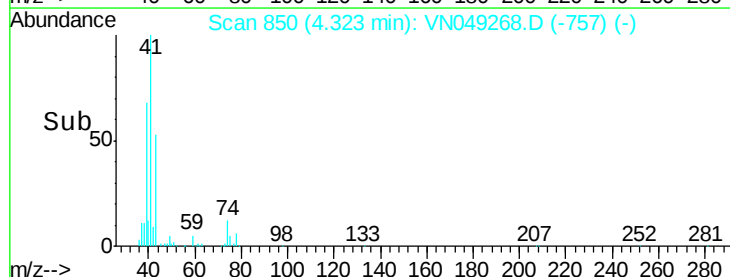
150000

100000

50000

0

Time-->





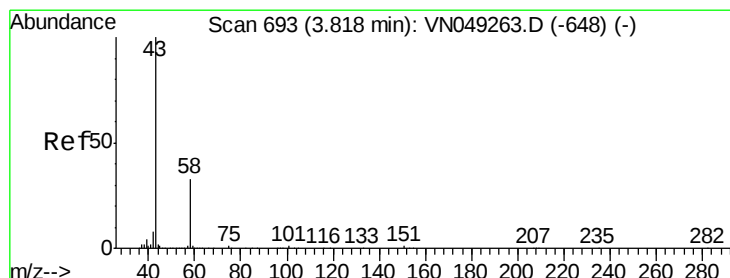
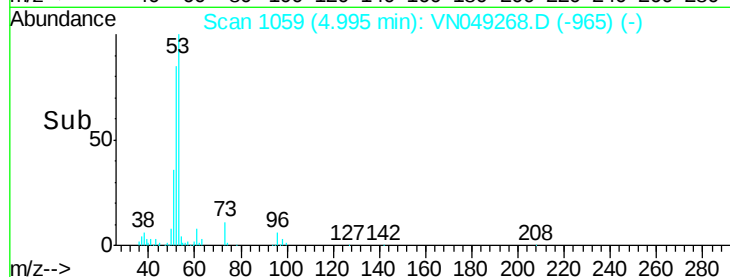
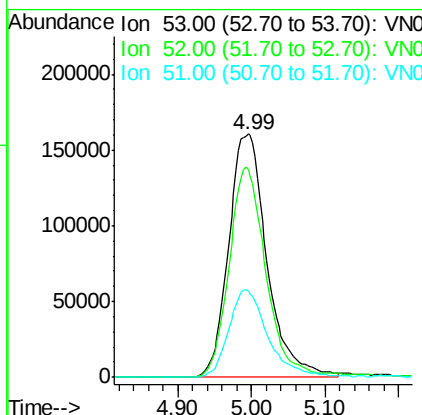
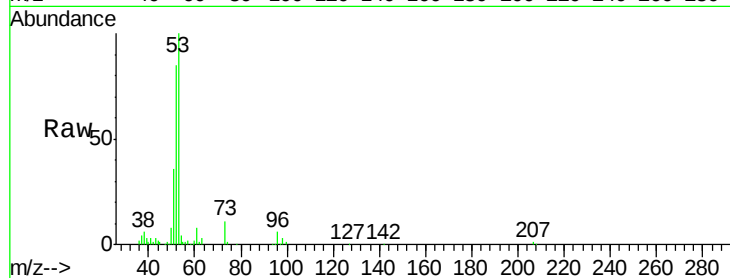
#15
 Acrylonitrile
 Concen: 96.07 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	36.0	29.8	44.8

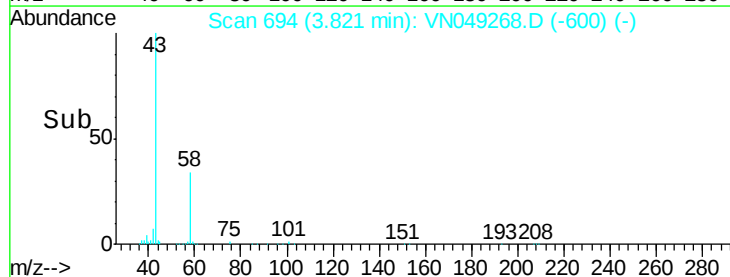
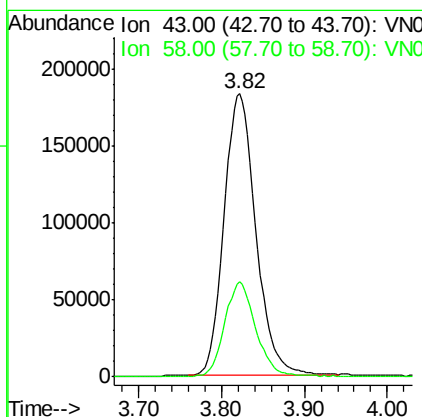
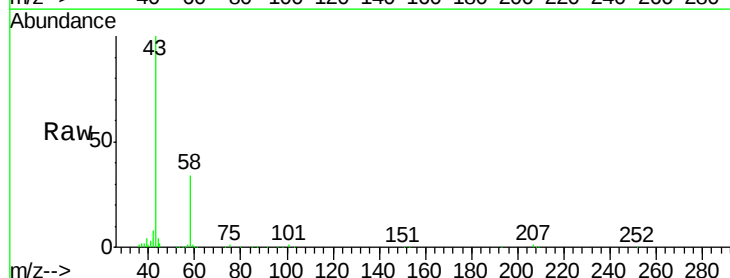
Manual Integrations
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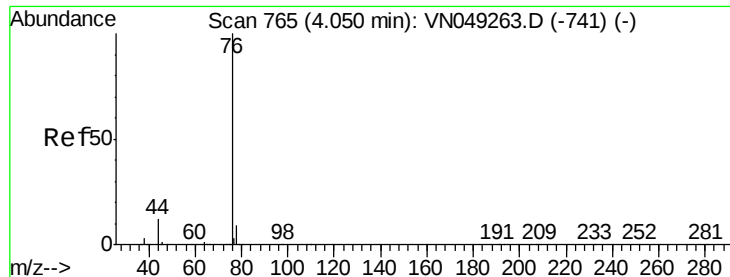
MMDadoda
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#16
 Acetone
 Concen: 97.48 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.8	22.4	33.6





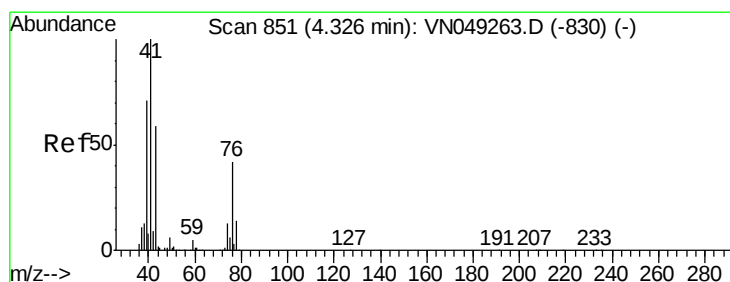
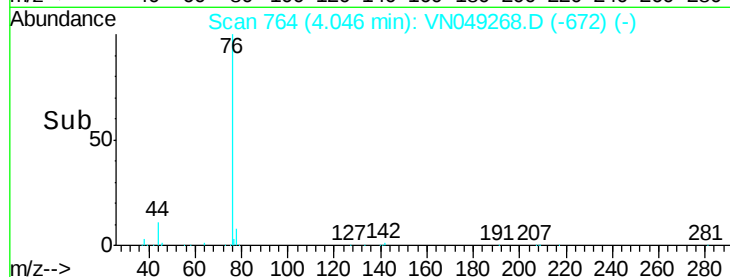
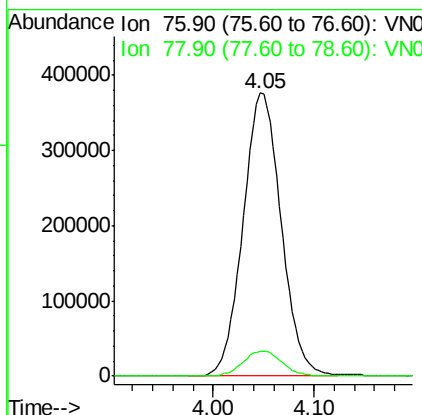
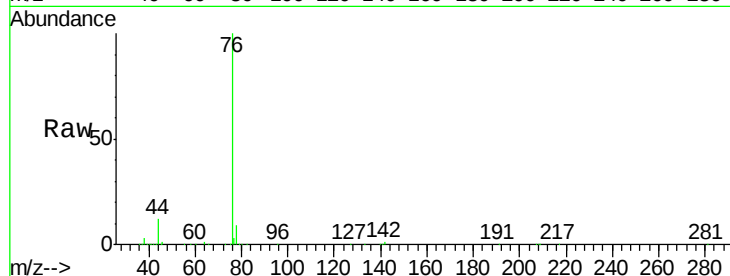
#17
Carbon Disulfide
Concen: 17.67 ug/l
RT: 4.05 min Scan# 764
Delta R.T. -0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

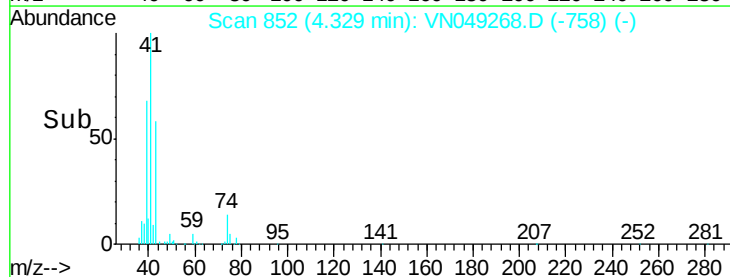
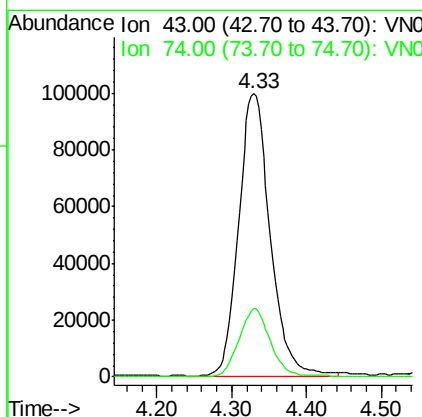
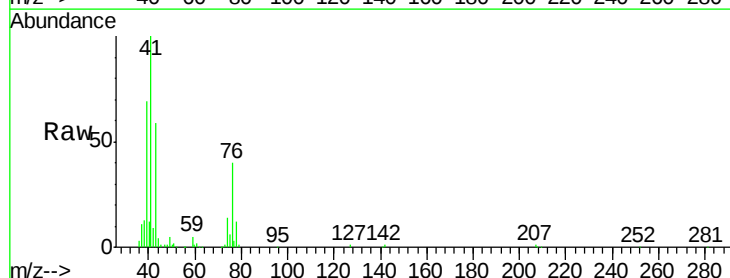
Manual Integrations
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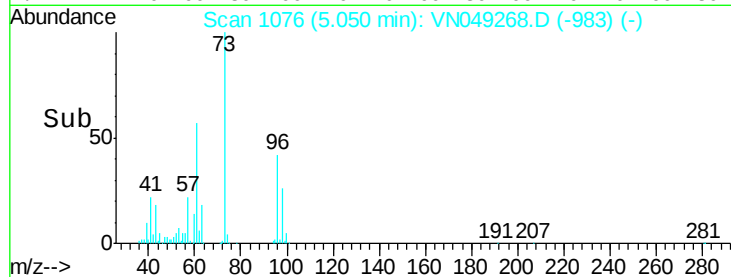
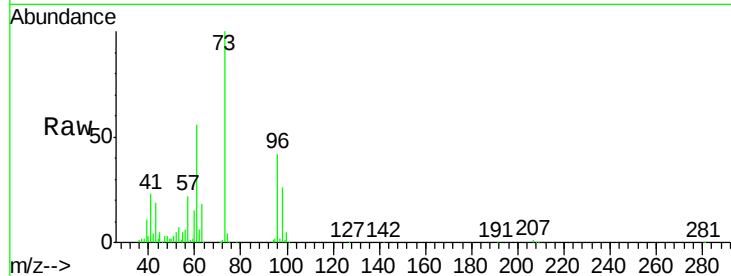
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#18
Methyl Acetate
Concen: 19.12 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	17.4	26.0





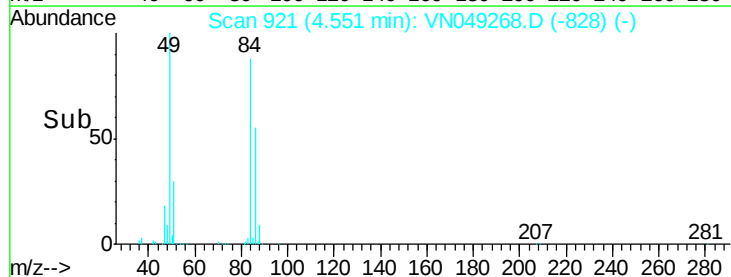
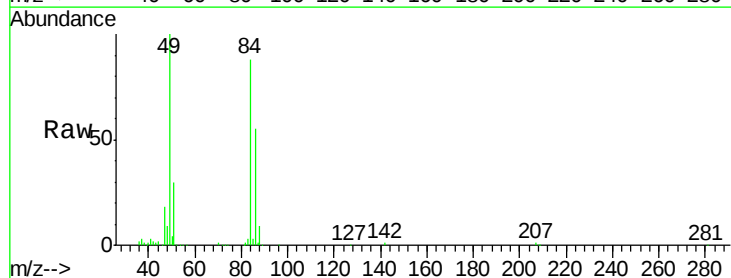
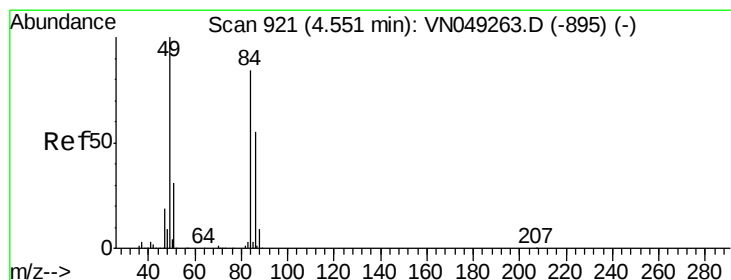
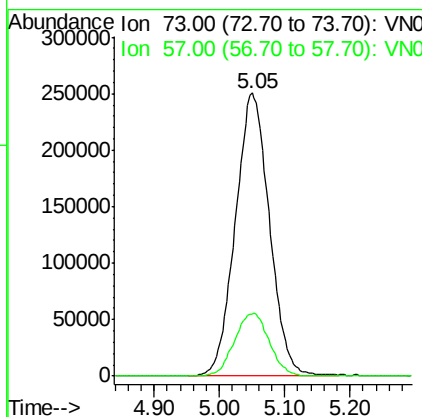
#19
Methyl tert-butyl Ether
Concen: 20.05 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.2	27.4

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

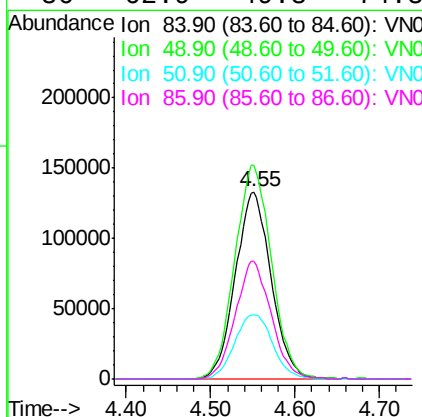
Manual Integrations
APPROVED

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#20
Methylene Chloride
Concen: 18.85 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.9	106.9	160.3
51	34.4	32.7	49.1
86	62.9	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 18.80 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

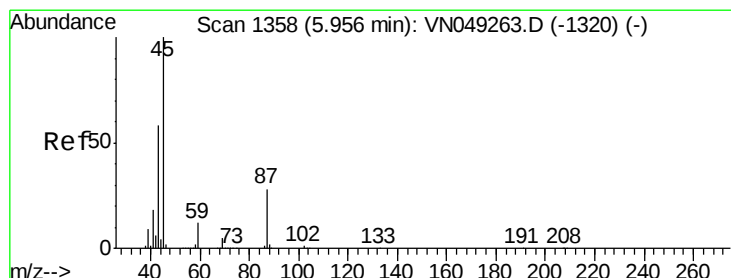
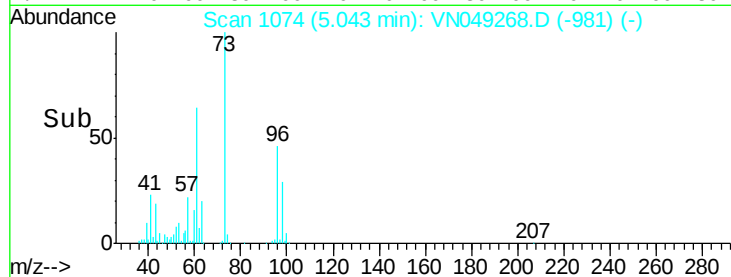
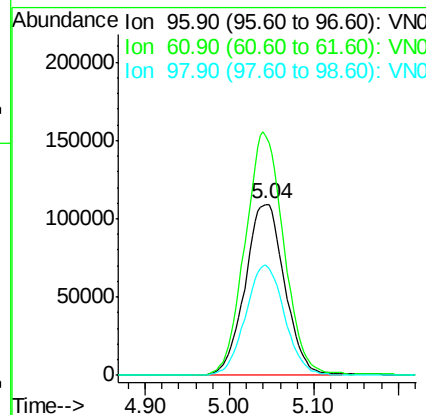
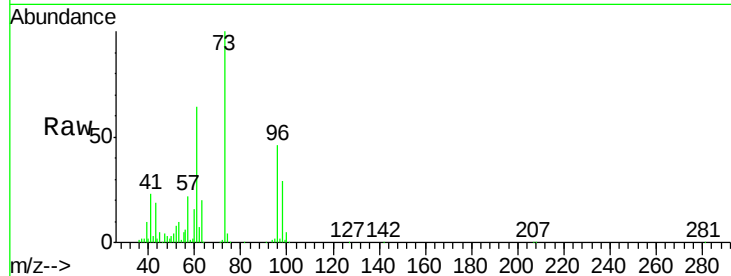
ClientSampleId :

VN0616WBS01

Tot Ion:	96	Resp:	354019
Ion	Ratio	Lower	Upper
96	100		
61	140.9	121.3	181.9
98	64.6	52.0	78.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.08 ug/l

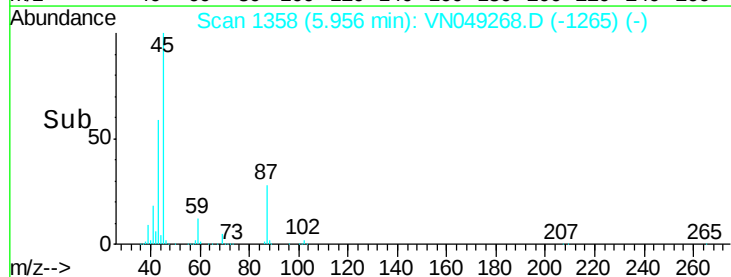
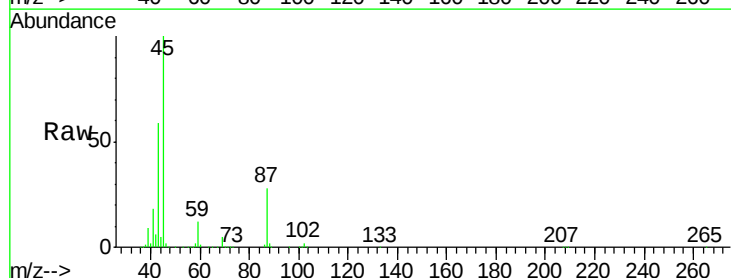
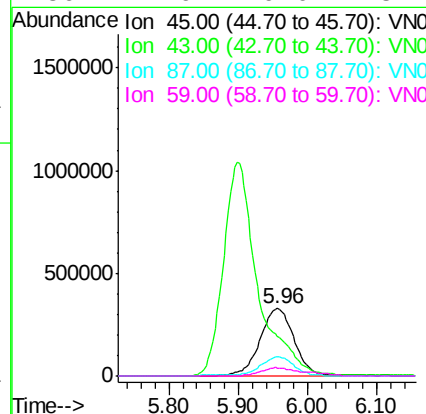
RT: 5.96 min Scan# 1358

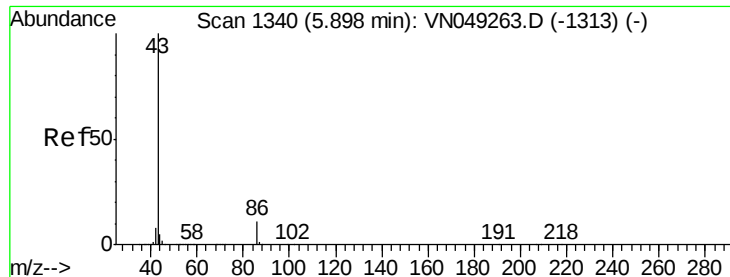
Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Tgt Ion:	45	Resp:	1125945
Ion	Ratio	Lower	Upper
45	100		
43	58.6	48.6	72.8
87	27.6	20.2	30.2
59	11.9	9.0	13.4





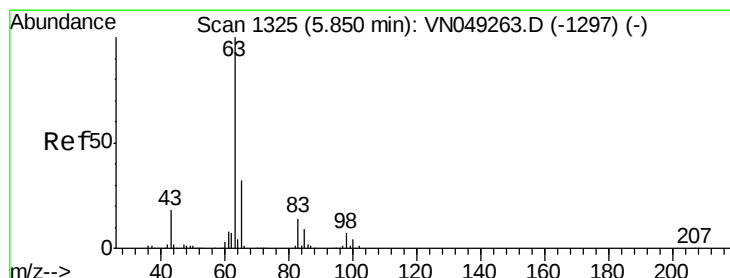
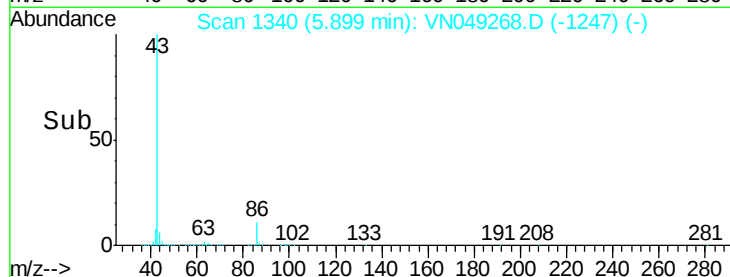
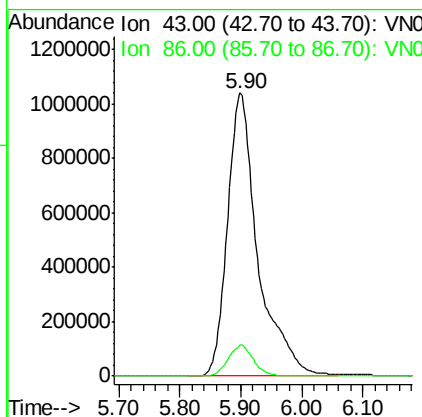
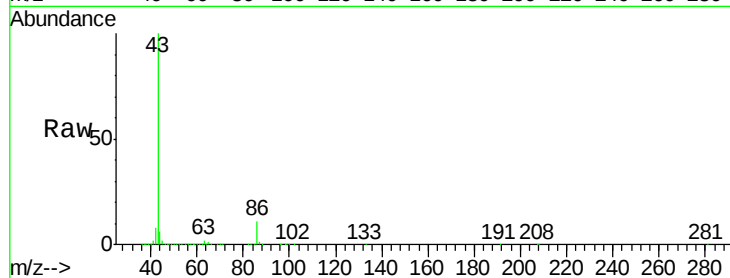
#23
 Vinyl Acetate
 Concen: 98.54 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Tot Ion: 43 Resp: 3602176
 Ion Ratio Lower Upper
 43 100
 86 10.8 7.2 10.8#

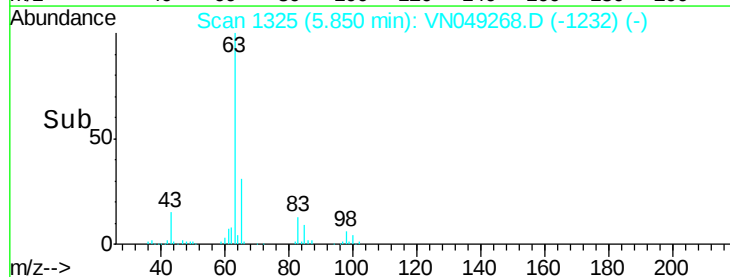
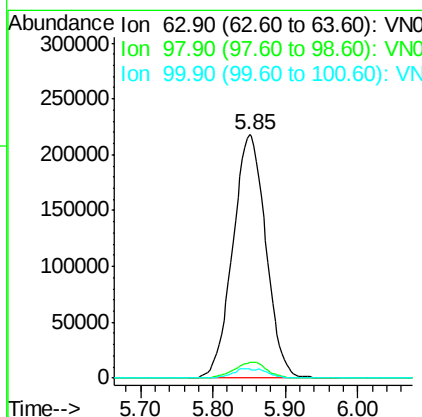
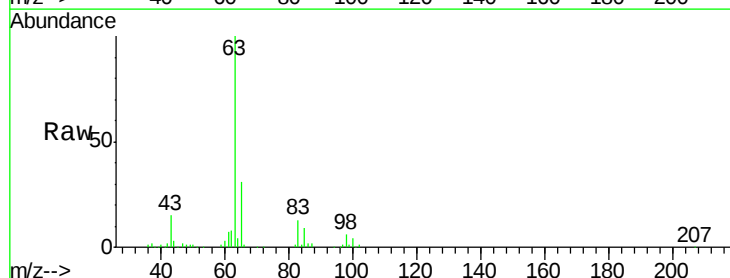
Manual Integrations
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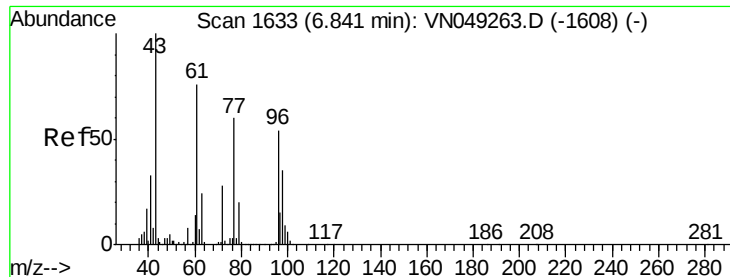
MMDadoda
 6/18/2018 3:16:14 PM



#24
 1,1-Dichloroethane
 Concen: 19.25 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Tgt Ion: 63 Resp: 690918
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 3.6 2.1 6.3





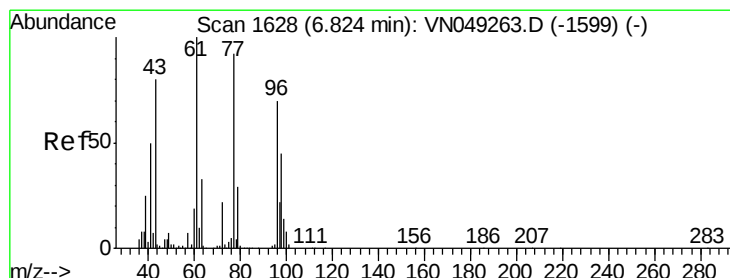
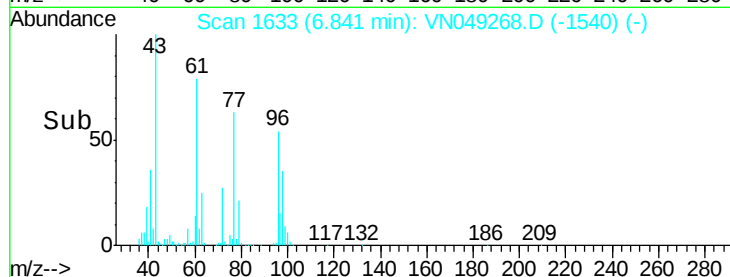
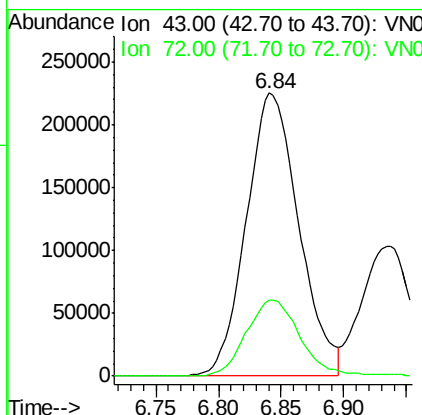
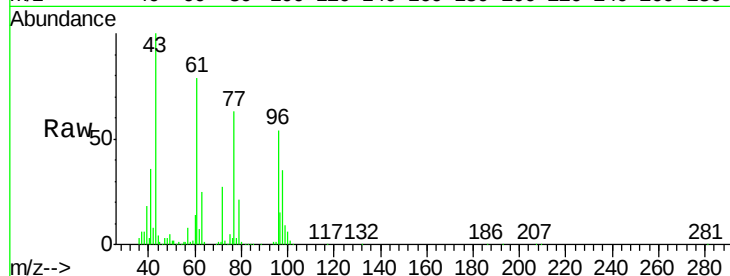
#25
2-Butanone
Concen: 97.17 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampled :
VN0616WBS01

Tot Ion: 43 Resp: 651732
Ion Ratio Lower Upper
43 100
72 26.9 20.2 30.2

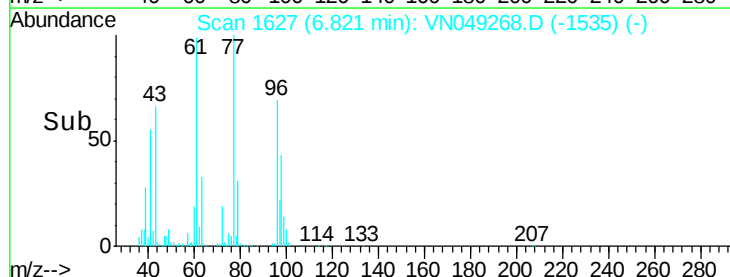
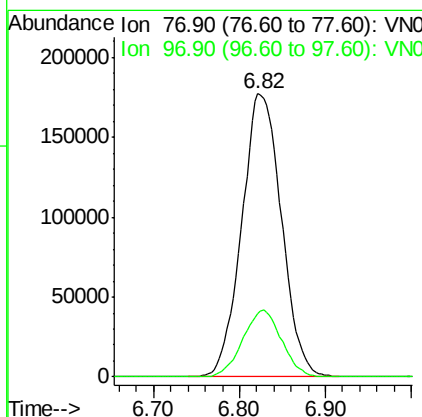
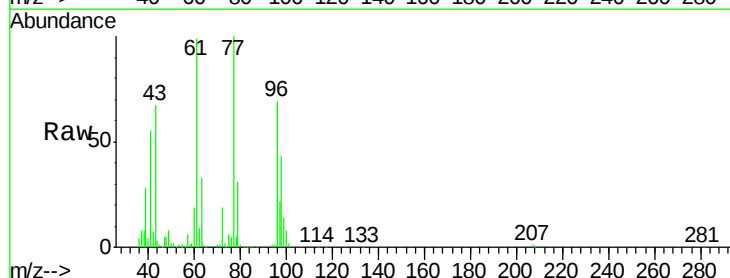
Manual Integrations
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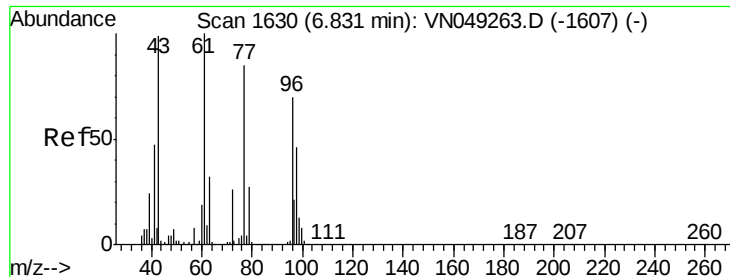
MMDadoda
6/18/2018 3:16:14 PM



#26
2,2-Dichloropropane
Concen: 19.66 ug/l
RT: 6.82 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion: 77 Resp: 569850
Ion Ratio Lower Upper
77 100
97 23.1 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.53 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

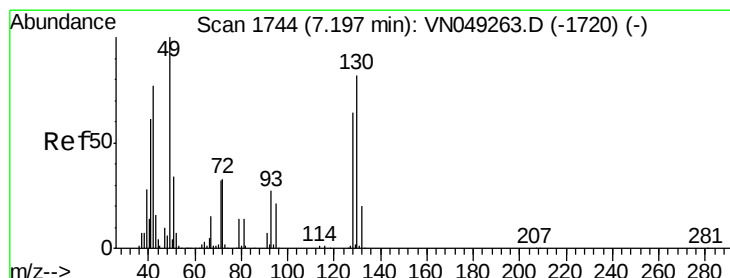
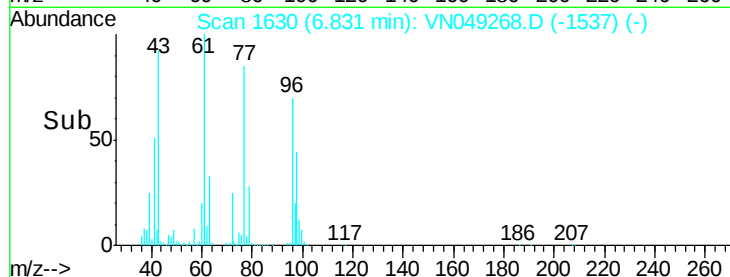
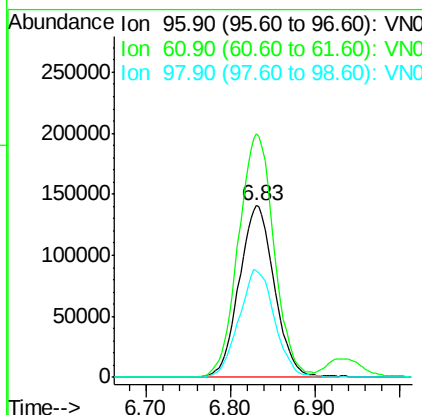
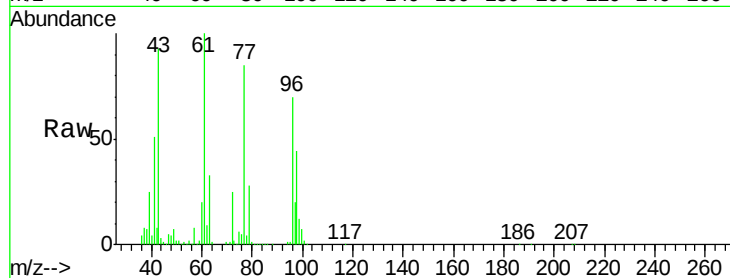
ClientSampleId :

VN0616WBS01

Tot Ion:	96	Resp:	408902
Ion Ratio	Lower	Upper	
96	100		
61	142.9	0.0	316.4
98	63.4	0.0	128.4

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6/18/2018 3:16:14 PM



#28

Bromochloromethane

Concen: 20.09 ug/l

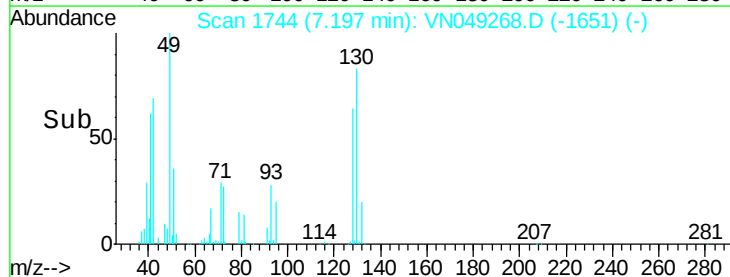
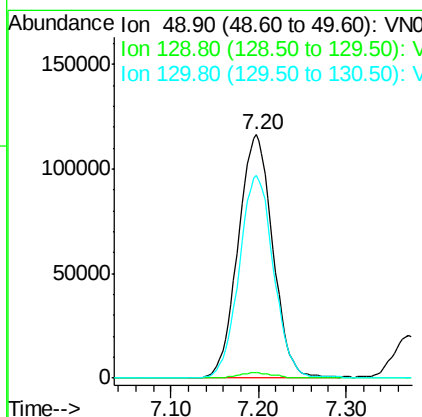
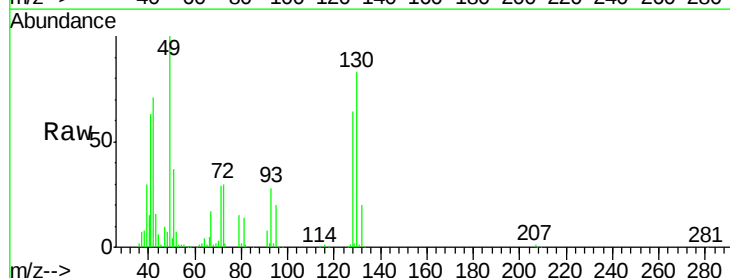
RT: 7.20 min Scan# 1744

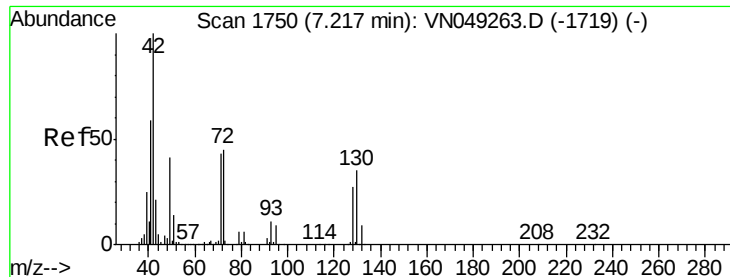
Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Tgt Ion:	49	Resp:	319714
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	3.8
130	82.5	54.9	82.3#





#29

Tetrahydrofuran

Concen: 97.75 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

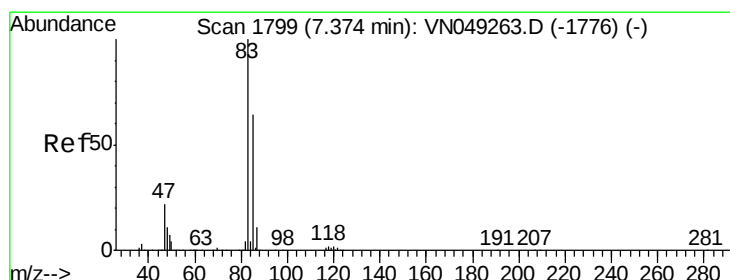
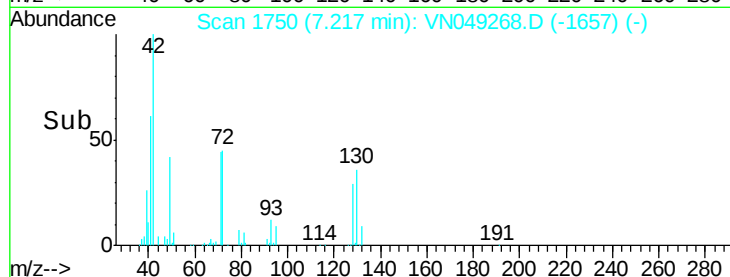
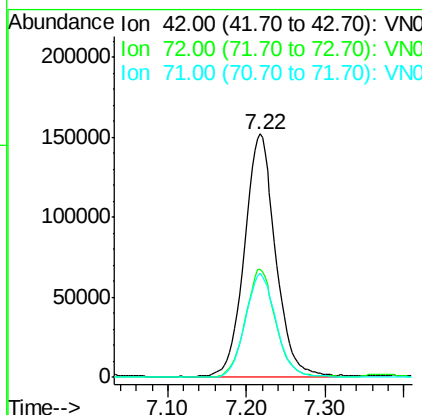
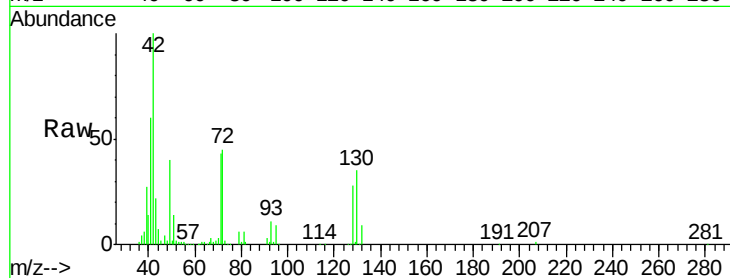
ClientSampleId :

VN0616WBS01

Tot Ion:	42	Resp:	422045
Ion Ratio	Lower	Upper	
42	100		
72	43.2	32.2	48.4
71	42.5	30.5	45.7

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#30

Chloroform

Concen: 19.36 ug/l

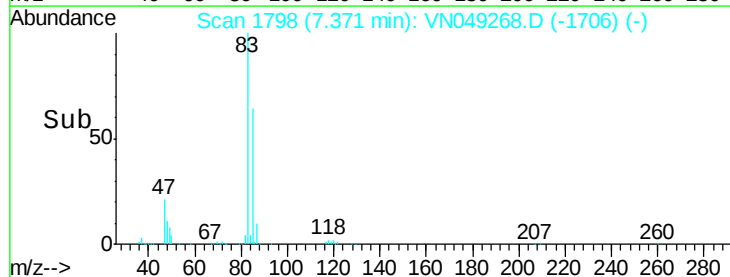
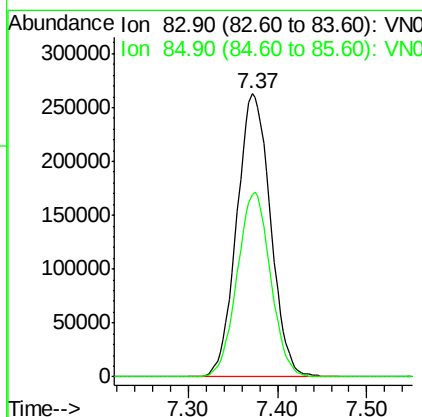
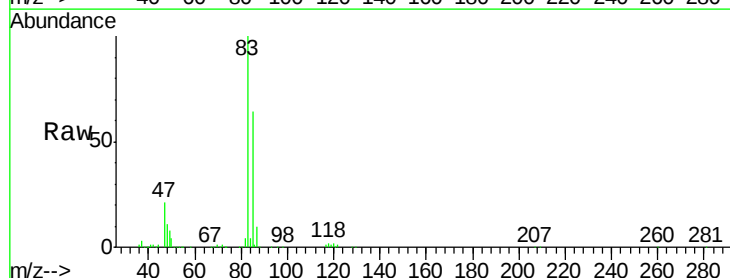
RT: 7.37 min Scan# 1798

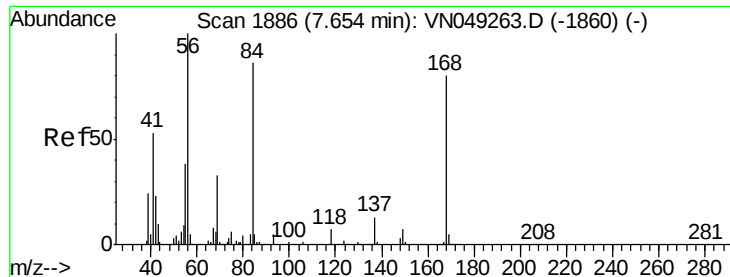
Delta R.T. -0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Tgt Ion:	83	Resp:	691423
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.7	77.5





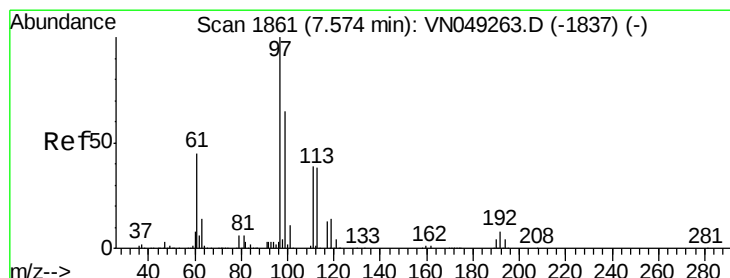
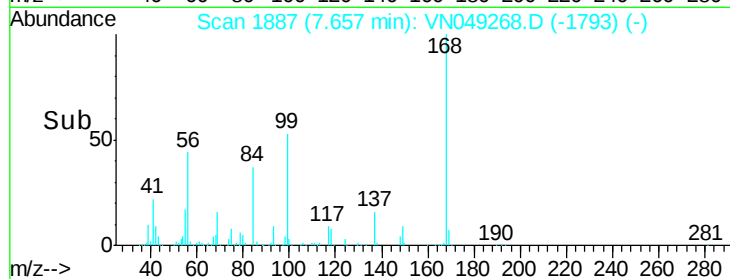
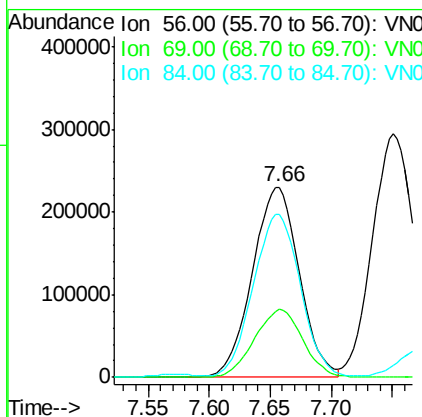
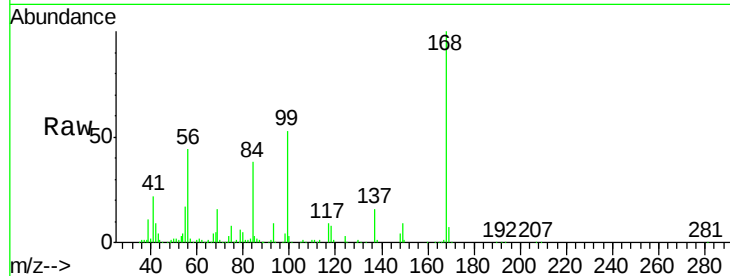
#31
Cyclohexane
Concen: 20.06 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.7	25.0	37.4
84	84.4	64.6	96.8

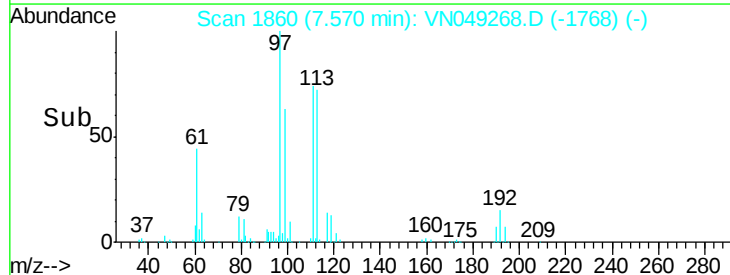
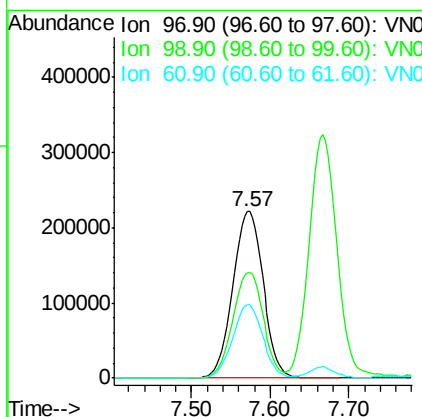
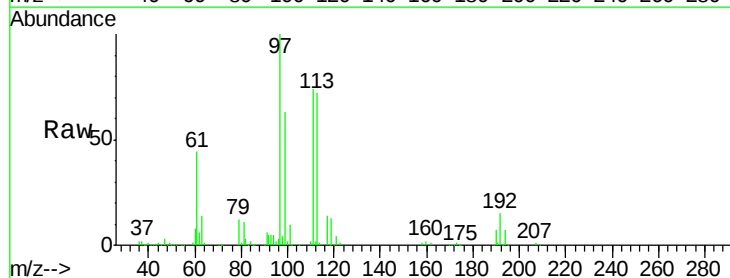
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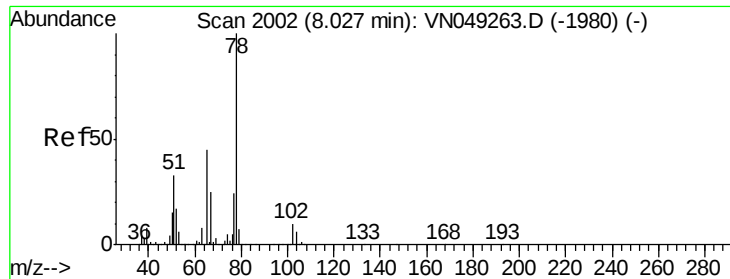
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.70 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.5	75.7
61	43.5	37.9	56.9





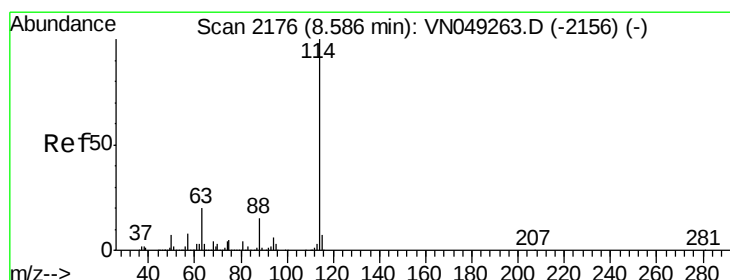
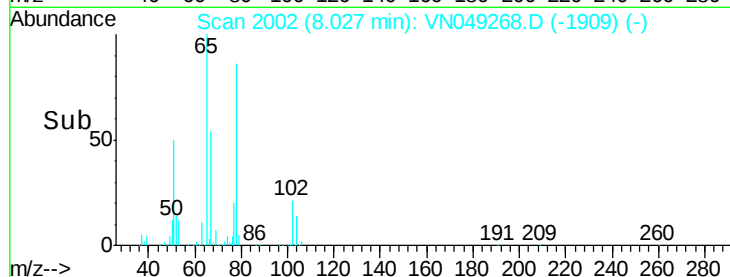
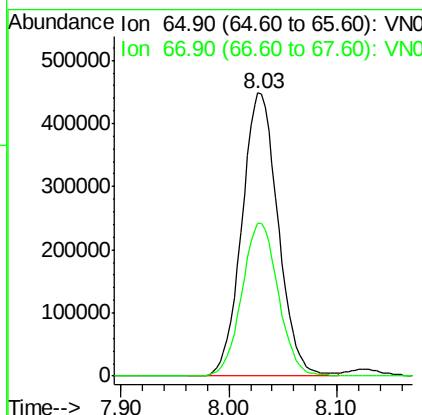
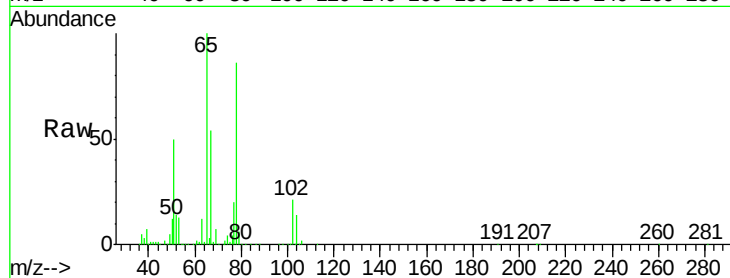
#33
 1,2-Dichloroethane-d4
 Concen: 50.87 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Tot Ion: 65 Resp: 1046433
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 103.8

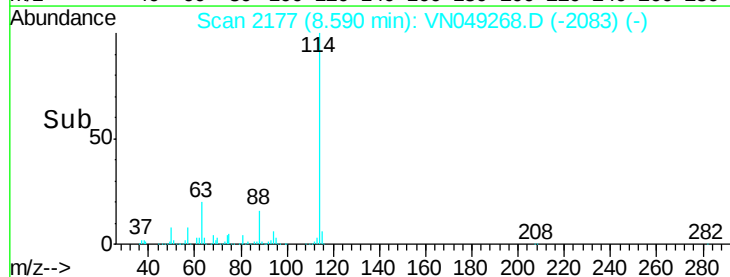
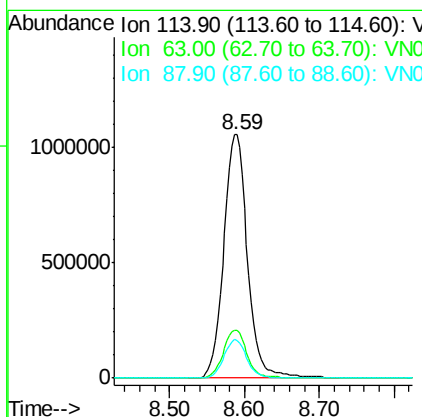
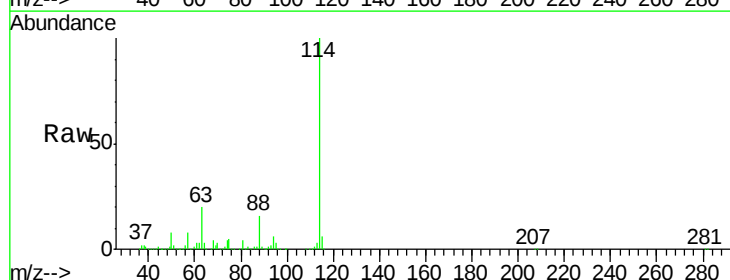
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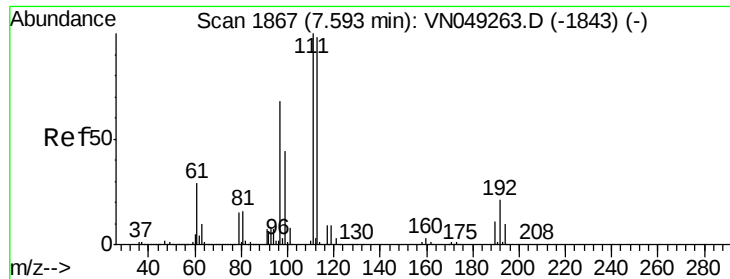
MMDadoda
 6/18/2018 3:16:14 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Tgt Ion: 114 Resp: 2307102
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 44.4
 88 15.6 0.0 31.4





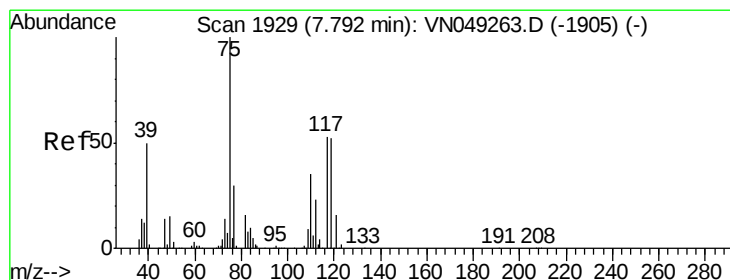
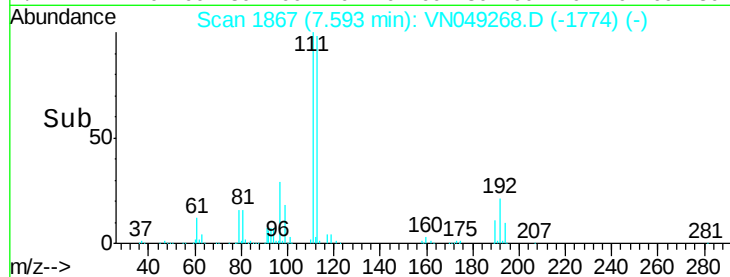
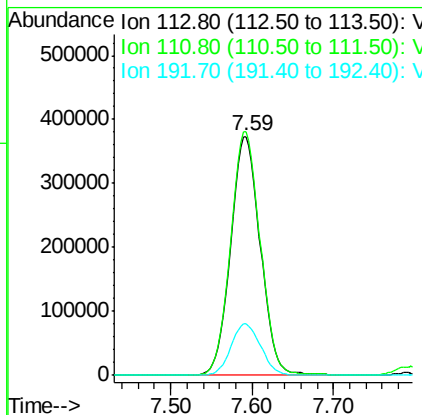
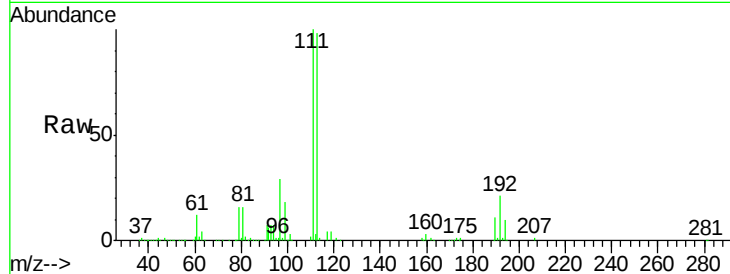
#35
 Dibromofluoromethane
 Concen: 50.66 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	945618		
111	102.2	82.4	123.6	
192	21.6	15.0	22.6	

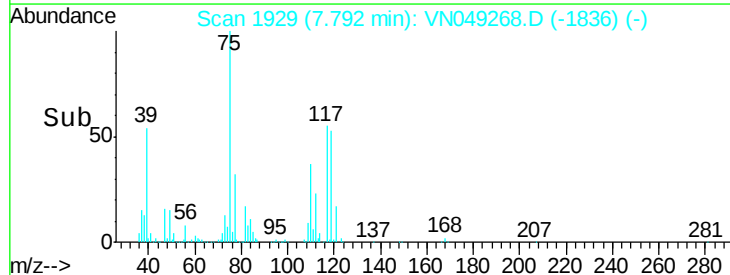
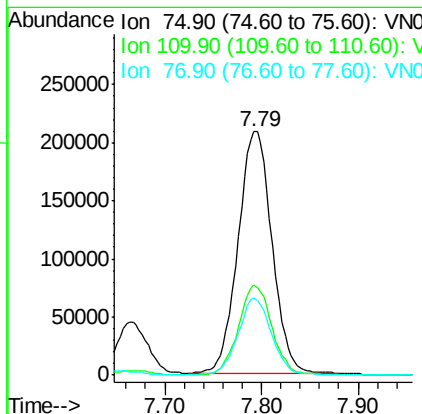
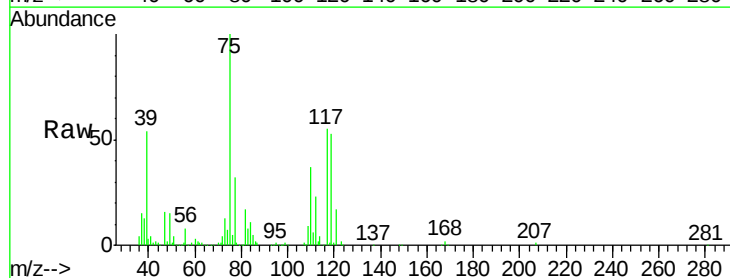
Manual Integrations
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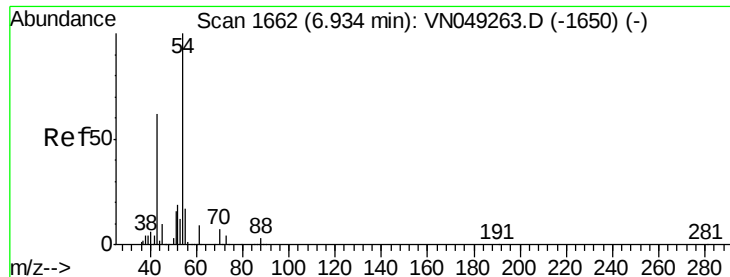
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.27 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	509486		
110	36.8	17.0	50.9	
77	31.1	24.4	36.6	





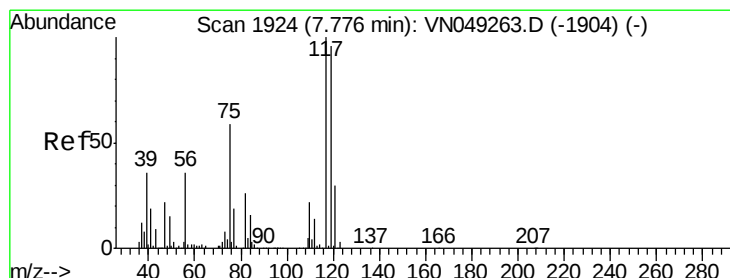
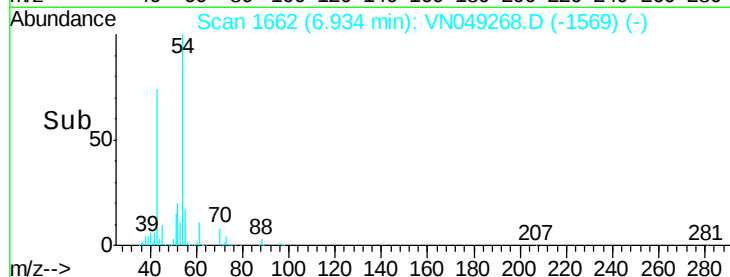
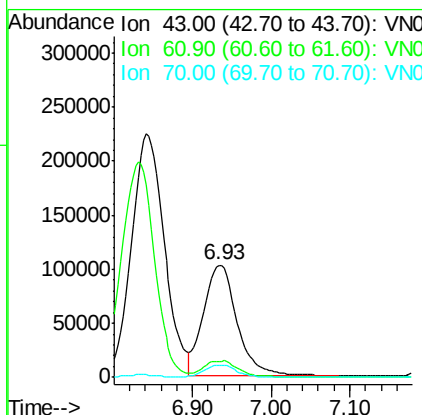
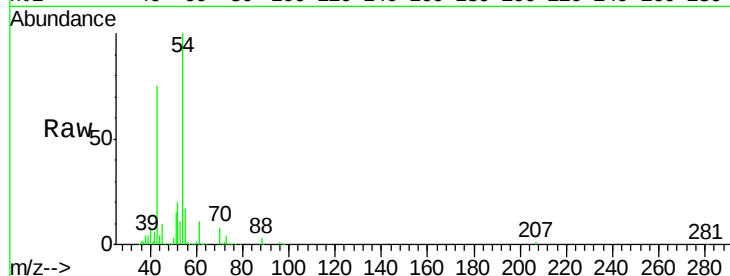
#37
Ethyl Acetate
Concen: 21.23 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.4
70	10.7	7.2	10.8

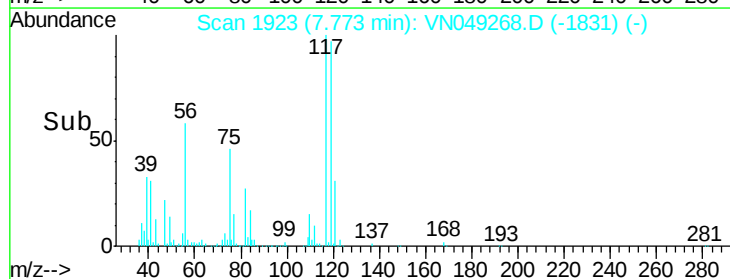
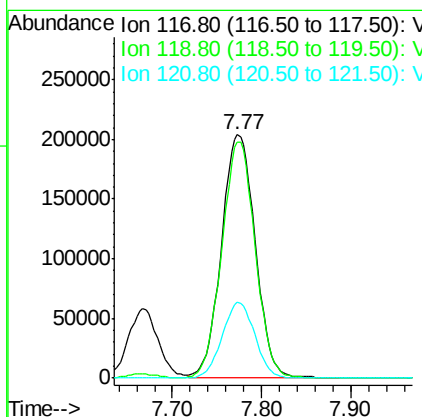
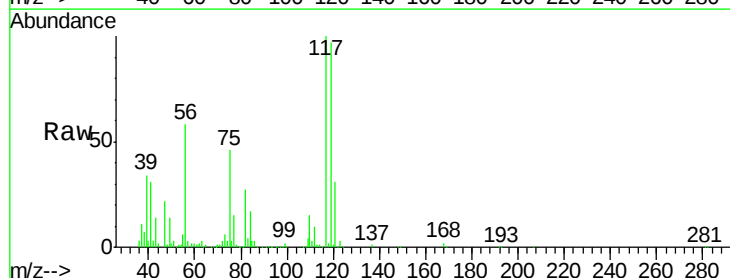
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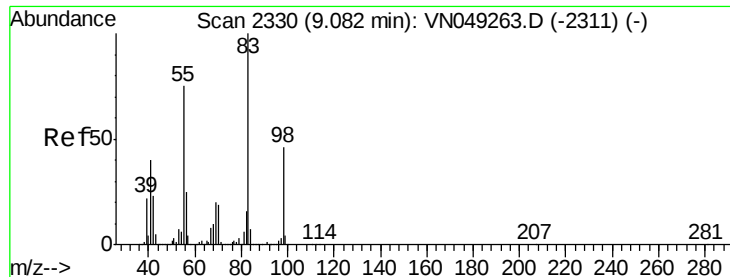
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.46 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	75.6	113.4
121	31.0	24.7	37.1





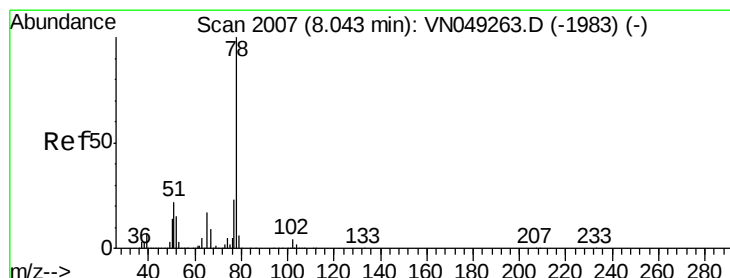
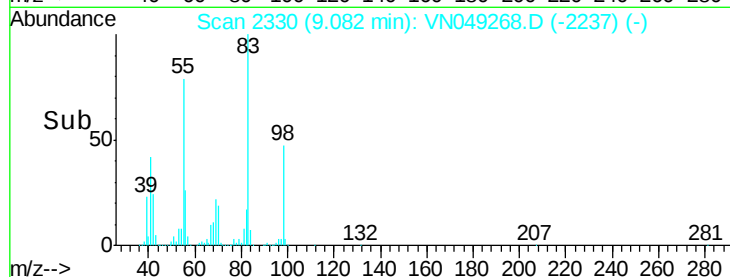
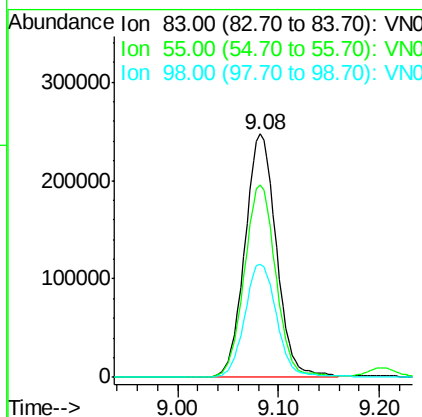
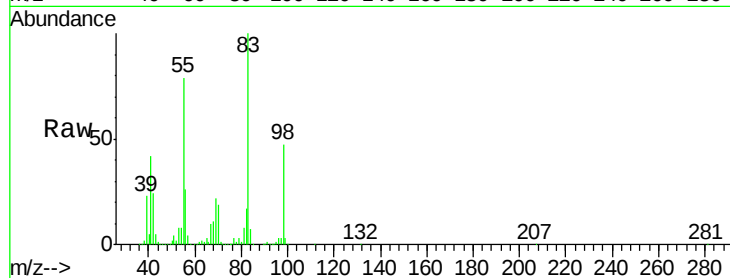
#39
Methvlcvclohexane
Concen: 18.78 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.1	65.1	97.7
98	46.6	36.5	54.7

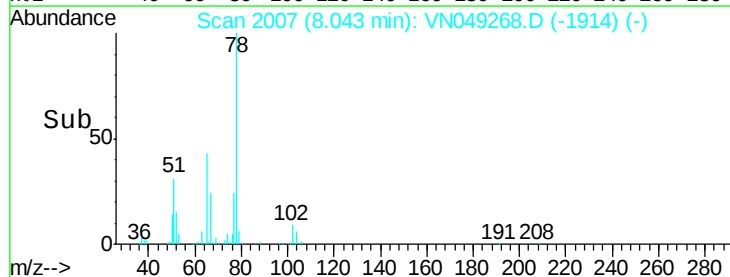
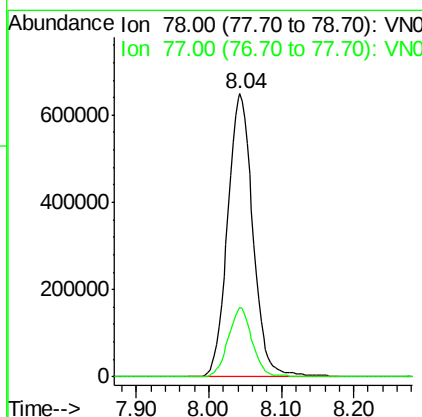
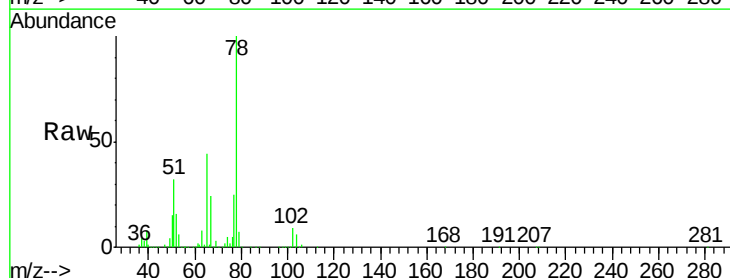
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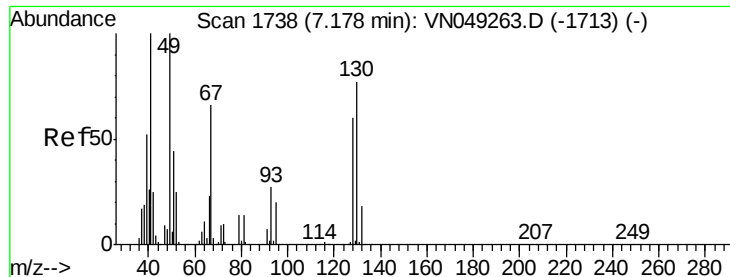
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#40
Benzene
Concen: 19.42 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.4	29.0





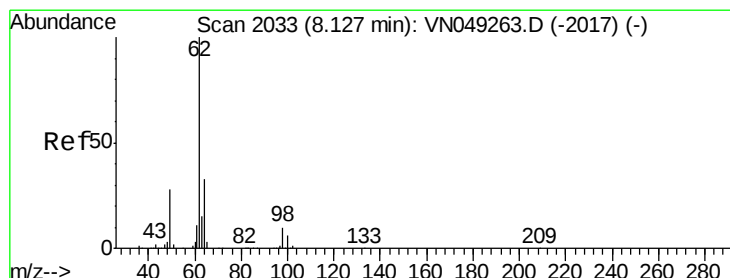
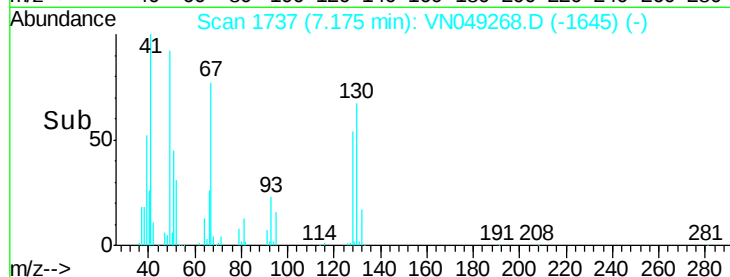
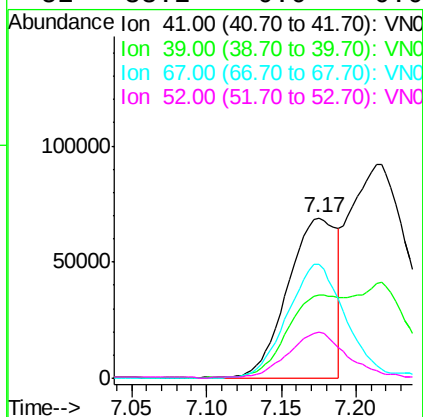
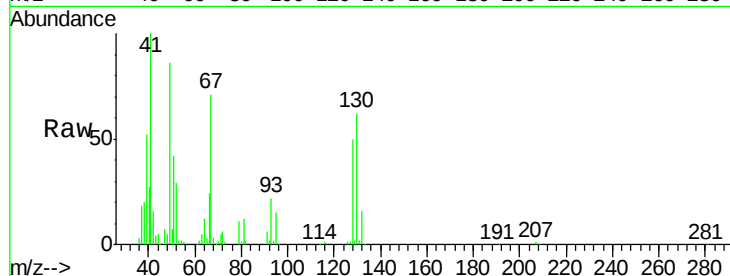
#41
Methacrylonitrile
Concen: 20.03 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampled :
VN0616WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.6	0.0	0.0#
67	87.0	0.0	0.0#
52	33.2	0.0	0.0#

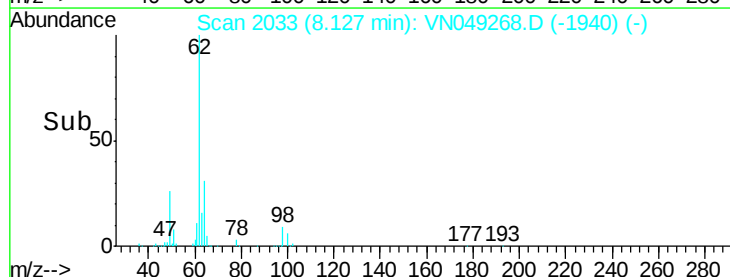
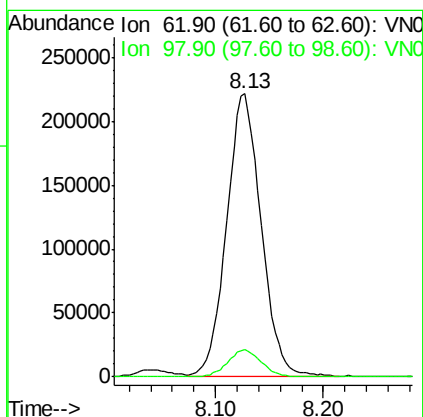
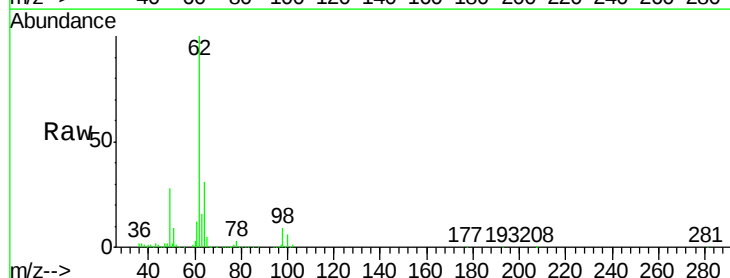
Manual Integrations
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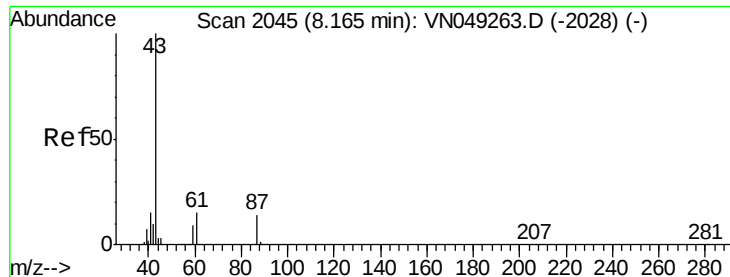
MMDadoda
6/18/2018 3:16:14 PM



#42
1,2-Dichloroethane
Concen: 19.64 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.38 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

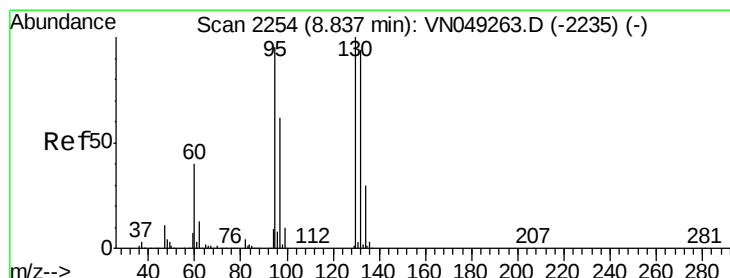
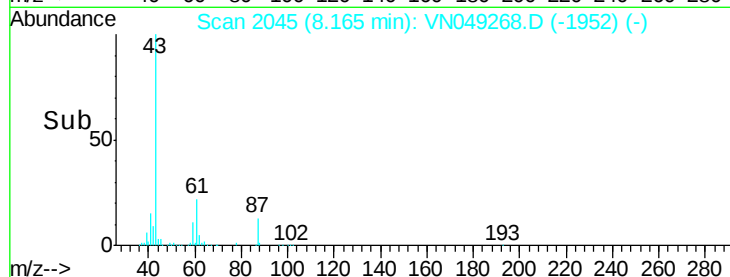
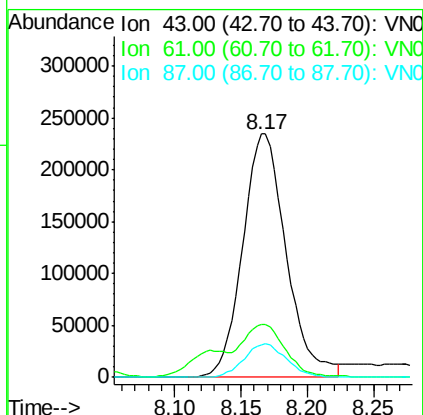
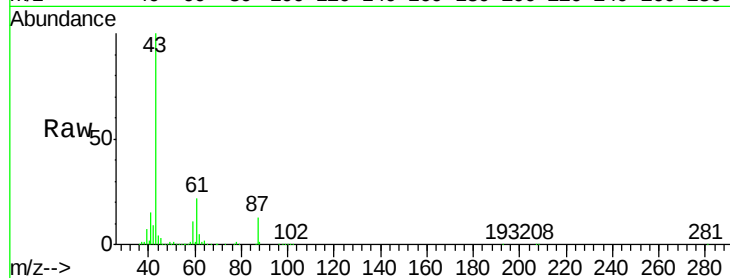
ClientSampleId :

VN0616WBS01

Tot Ion:	43	Resp:	532404
Ion	Ratio	Lower	Upper
43	100		
61	21.1	14.2	21.4
87	13.5	9.4	14.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.40 ug/l

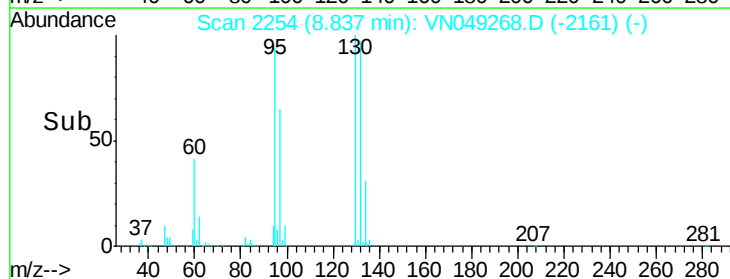
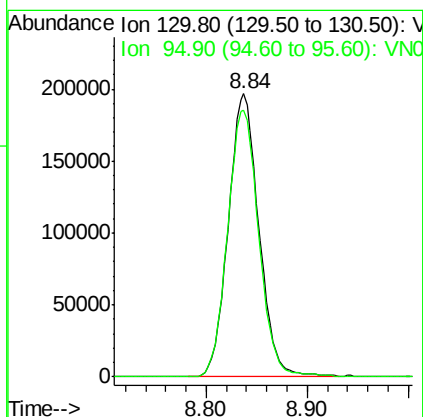
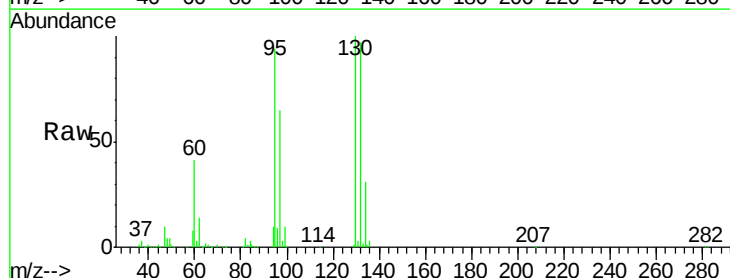
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Tgt Ion:	130	Resp:	415339
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	208.6





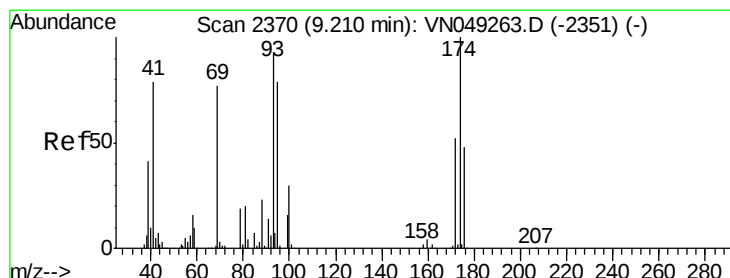
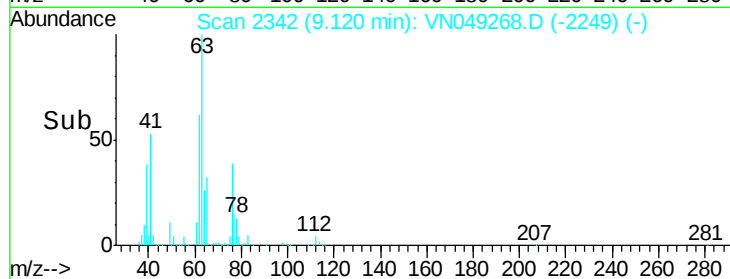
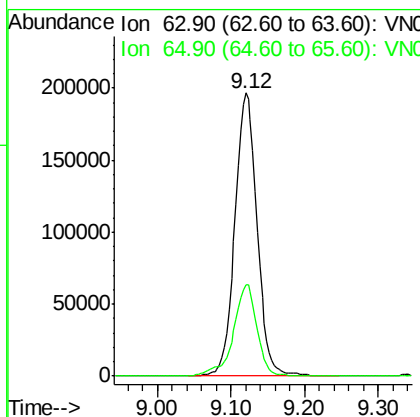
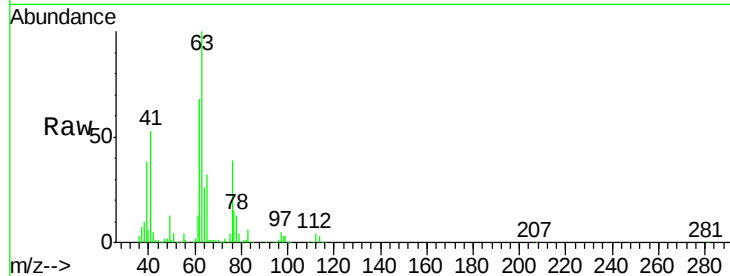
#45
 1,2-Dichloropropane
 Concen: 19.44 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	24.8	37.2

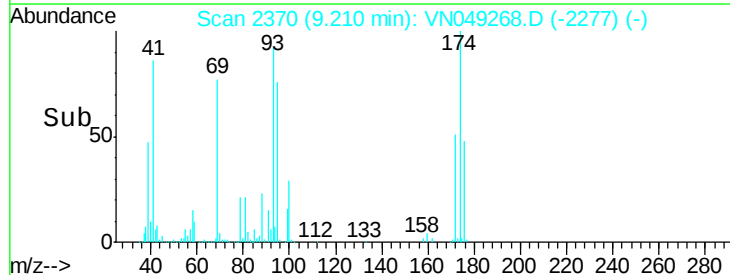
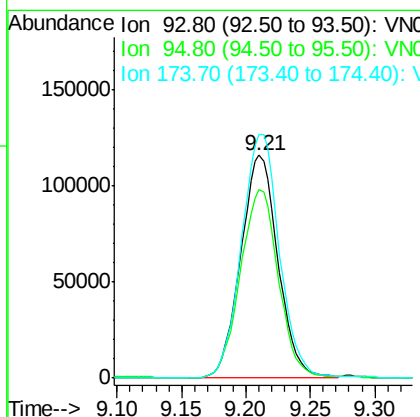
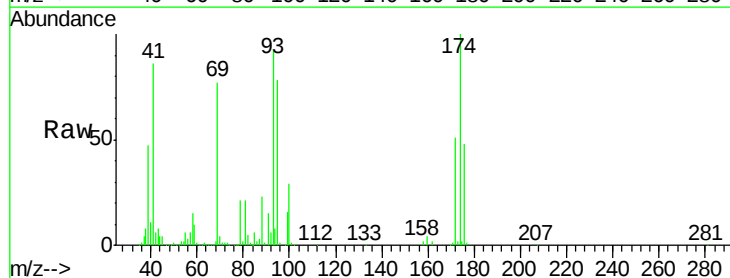
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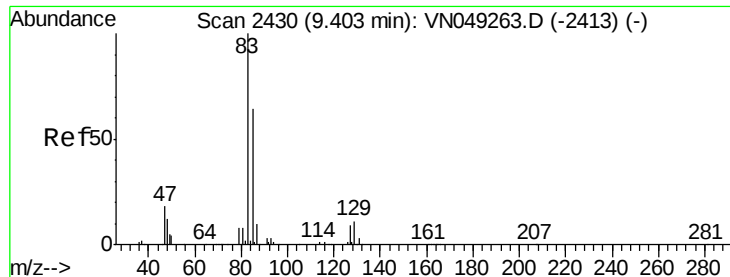
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#46
 Dibromomethane
 Concen: 19.06 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.8	67.2	100.8
174	111.2	75.6	113.4





#47

Bromodichloromethane

Concen: 19.34 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

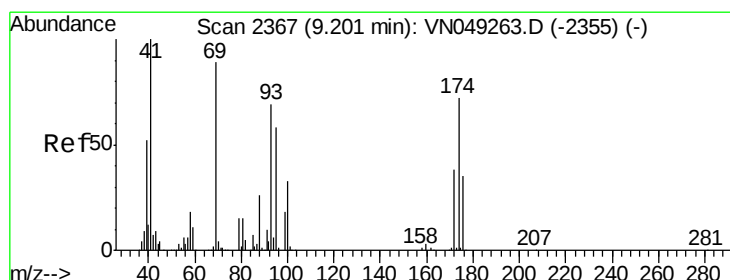
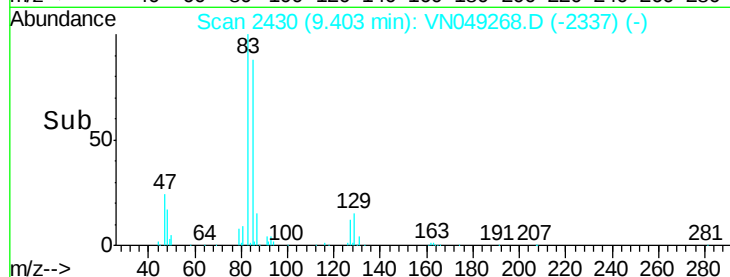
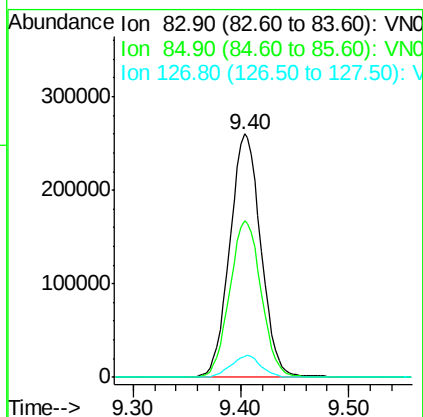
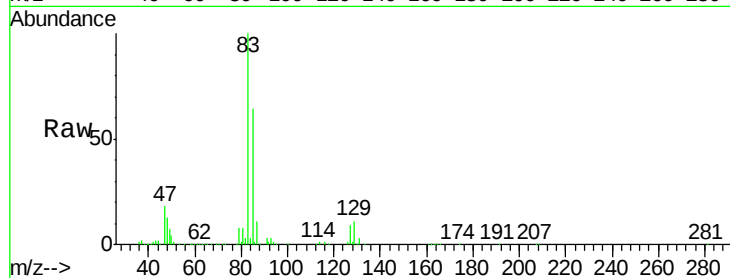
ClientSampleId :

VN0616WBS01

Tot Ion:	83	Resp:	523164
Ion Ratio	Lower	Upper	
83	100		
85	64.2	49.4	74.0
127	8.8	6.3	9.5

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#48

Methyl methacrylate

Concen: 20.03 ug/l

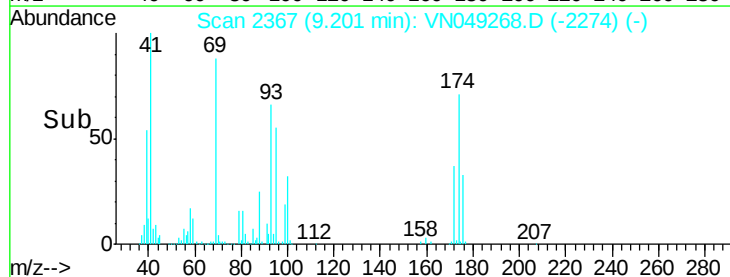
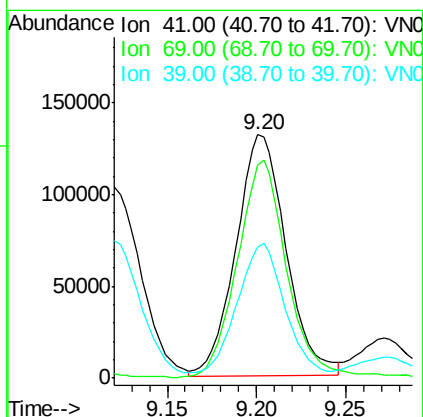
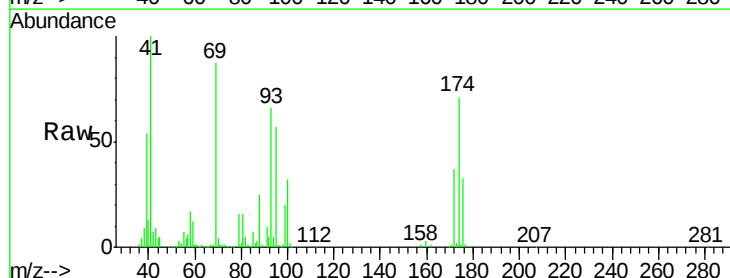
RT: 9.20 min Scan# 2367

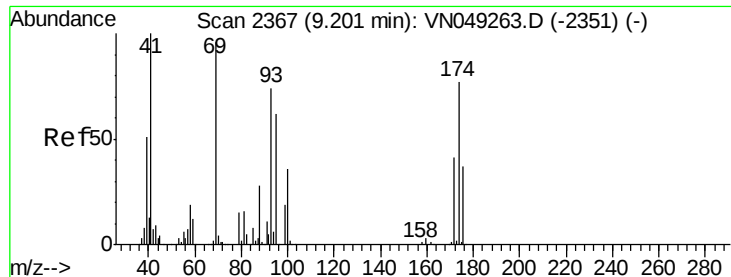
Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Tgt Ion:	41	Resp:	259061
Ion Ratio	Lower	Upper	
41	100		
69	88.4	62.0	93.0
39	54.1	50.6	75.8





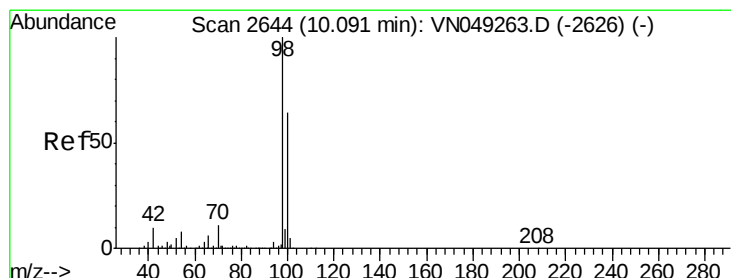
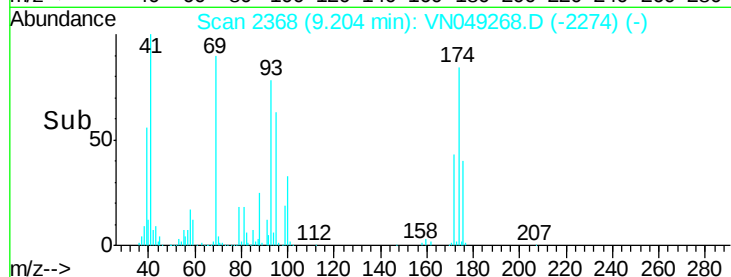
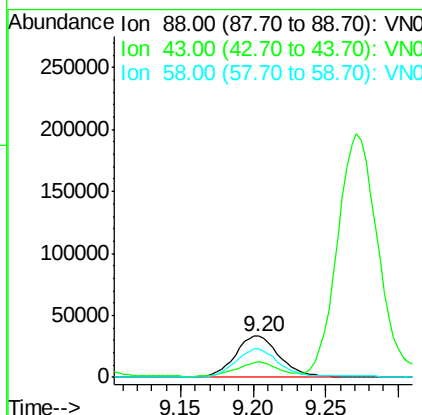
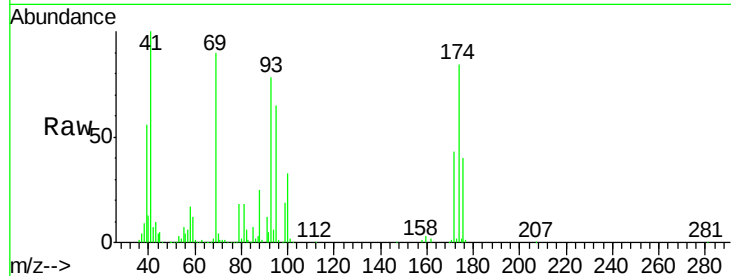
#49
1,4-Dioxane
Concen: 398.62 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampled :
VN0616WBS01

Tot Ion	88	Resp	71157
Ion	Ratio	Lower	Upper
88	100		
43	32.0	30.9	46.3
58	66.6	58.9	88.3

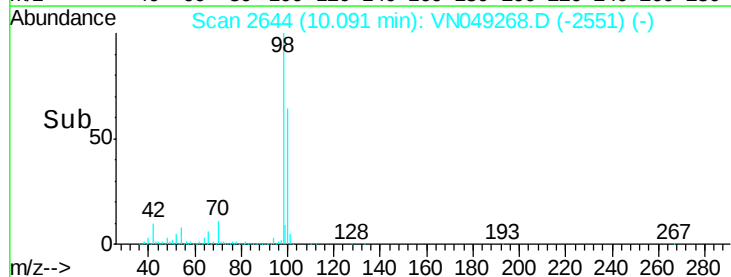
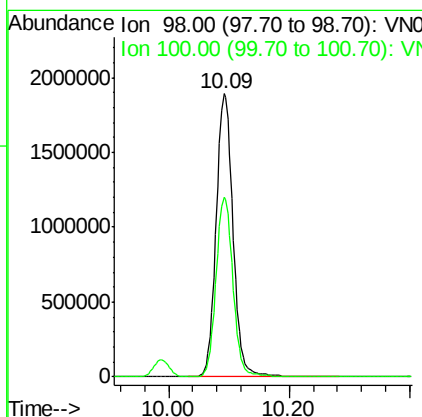
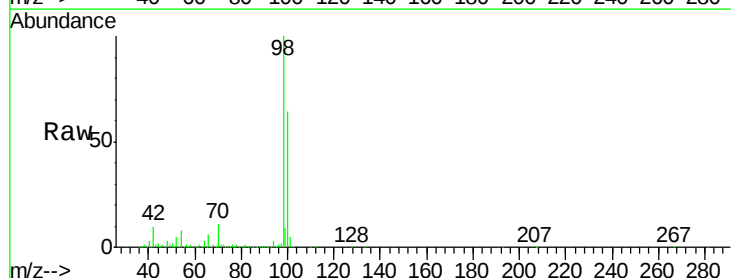
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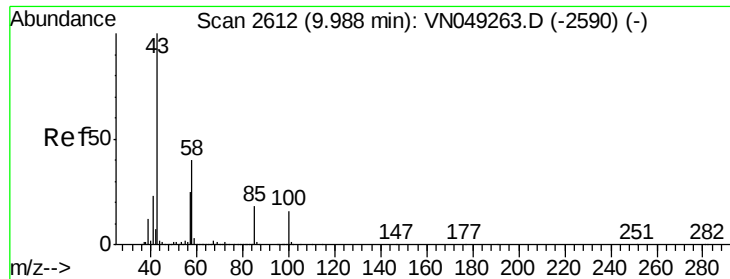
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#50
Toluene-d8
Concen: 50.54 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	98	Resp	3592189
Ion	Ratio	Lower	Upper
98	100		
100	63.9	49.8	74.8





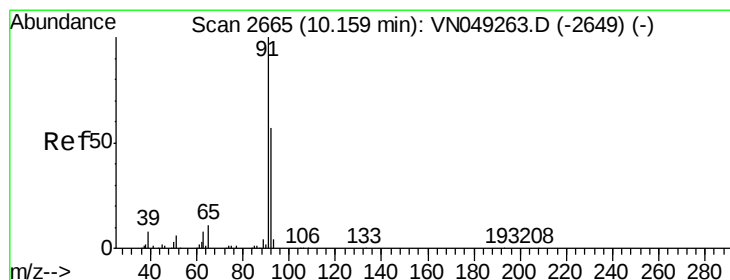
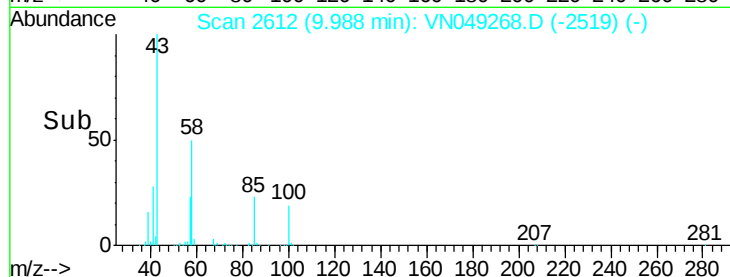
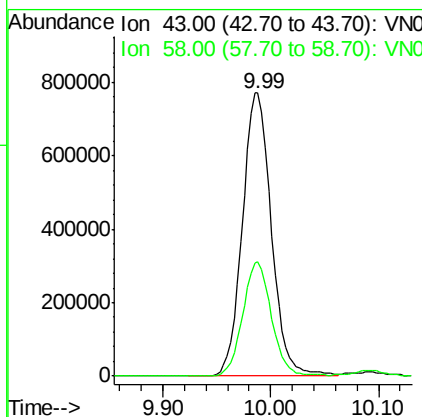
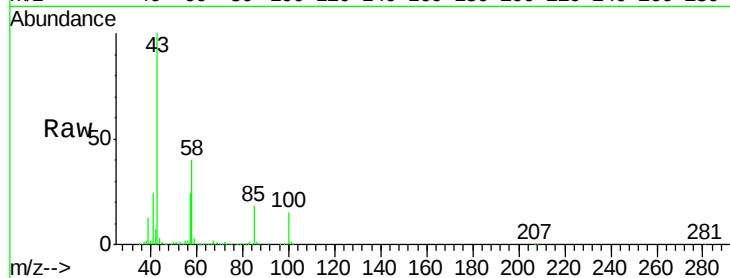
#51
4-Methyl-2-Pentanone
Concen: 99.90 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

Tot Ion: 43 Resp: 1438076
Ion Ratio Lower Upper
43 100
58 40.1 29.0 43.6

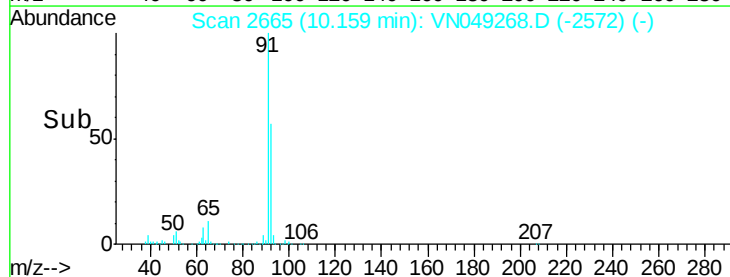
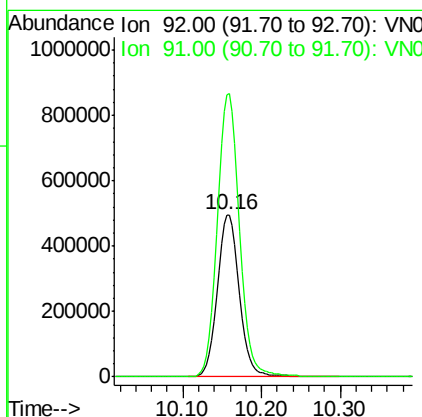
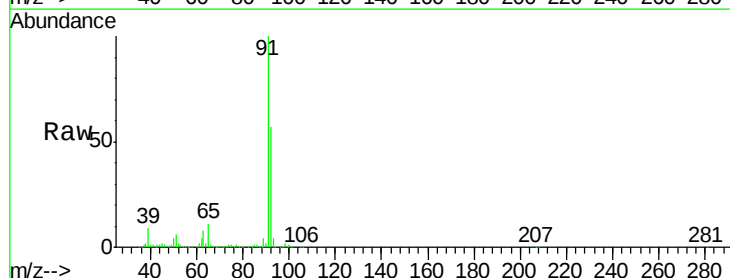
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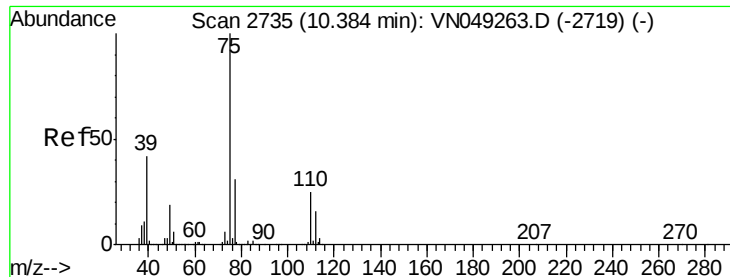
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#52
Toluene
Concen: 20.02 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion: 92 Resp: 952294
Ion Ratio Lower Upper
92 100
91 176.7 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 18.91 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS01

Tot Ion: 75 Resp: 489165

Ion Ratio Lower Upper

75 100

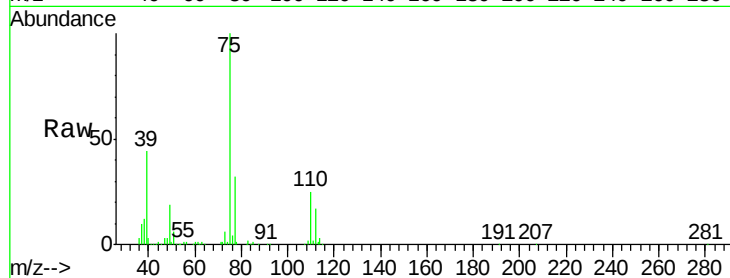
77 31.9 25.2 37.8

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

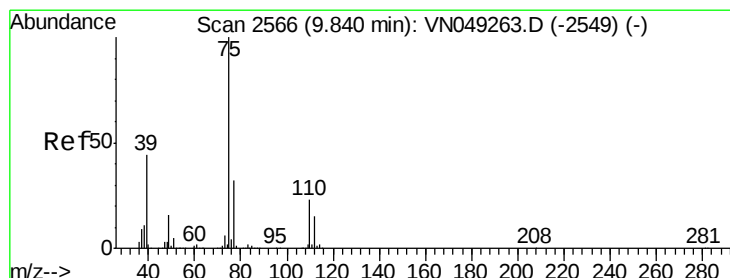
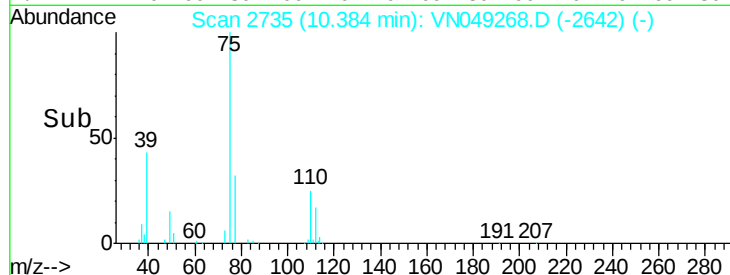
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.12 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

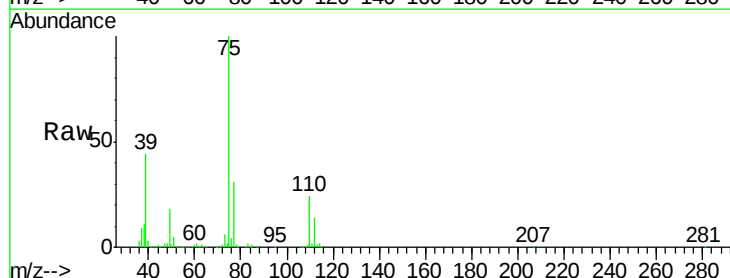
Tgt Ion: 75 Resp: 584213

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2

39 43.9 45.1 67.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

400000

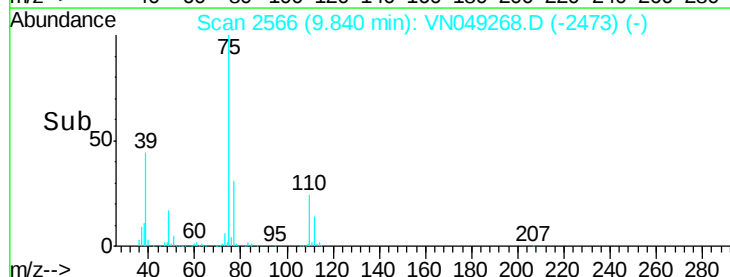
300000

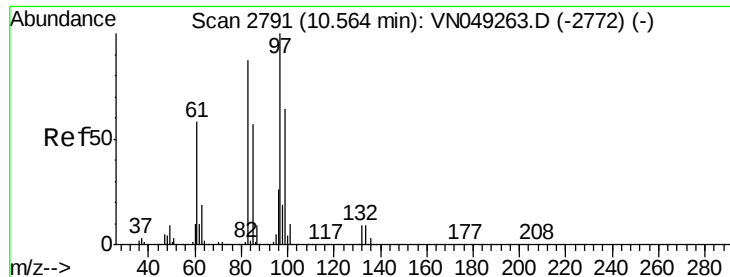
200000

100000

0

Time-->





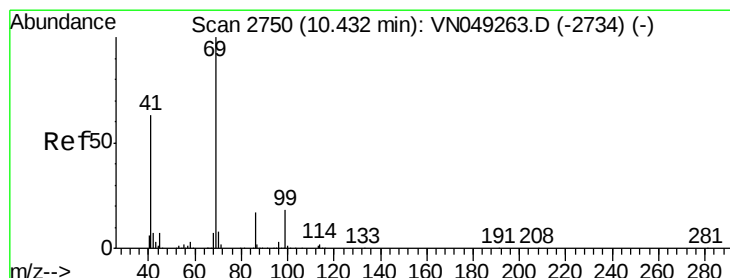
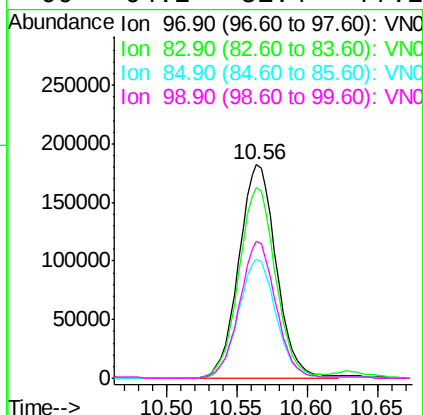
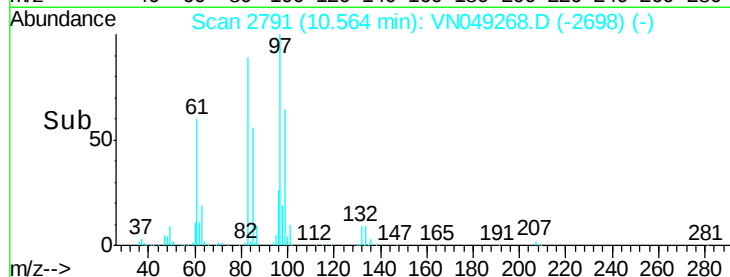
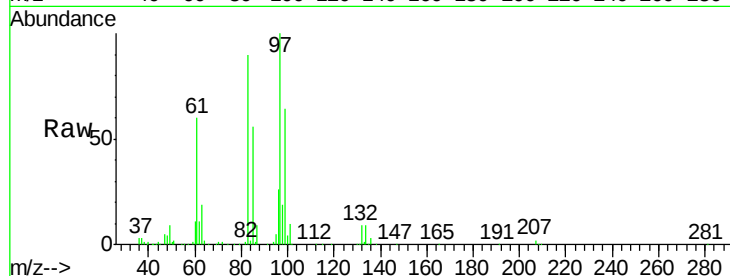
#55
 1,1,2-Trichloroethane
 Concen: 19.11 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.5	107.3
85	56.0	47.0	70.4
99	64.2	51.4	77.2

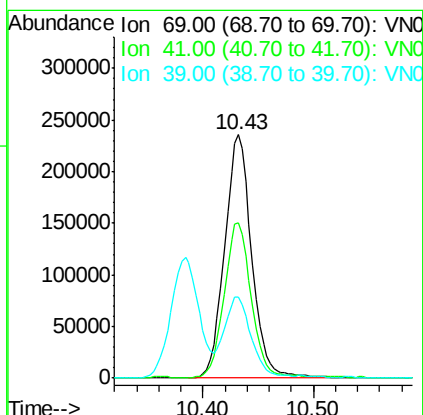
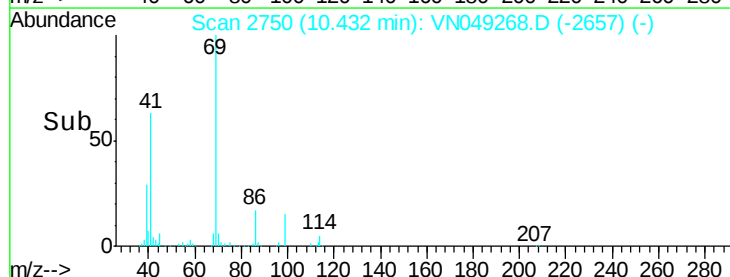
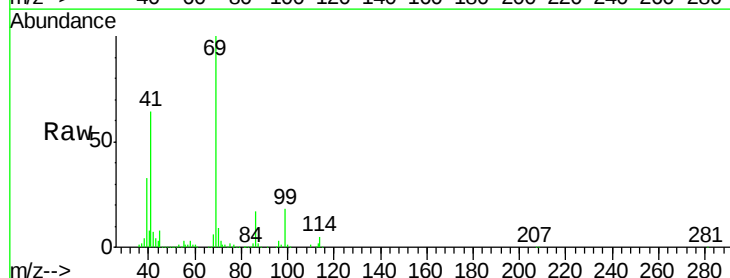
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#56
 Ethyl methacrylate
 Concen: 19.62 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.3	58.4	87.6
39	32.0	35.5	53.3#





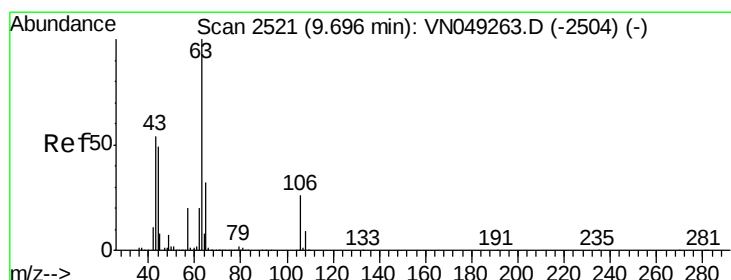
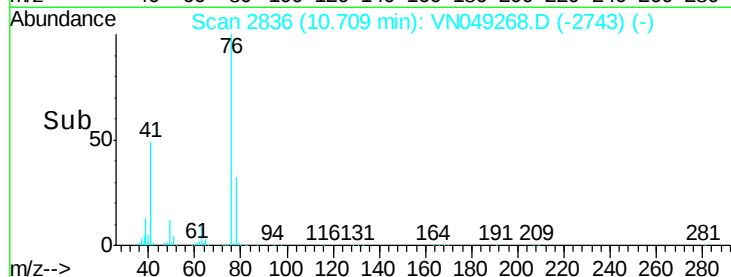
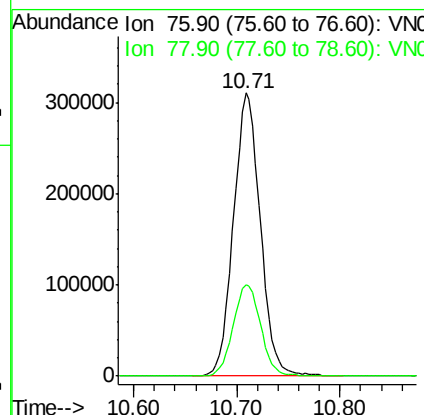
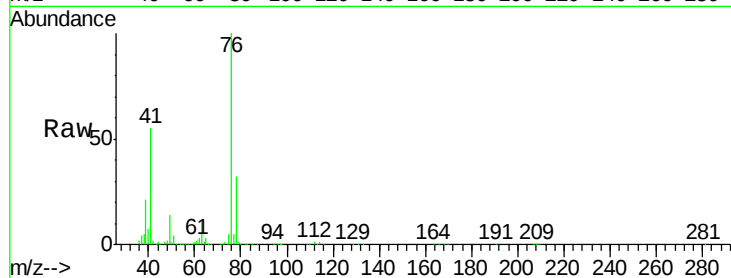
#57
 1,3-Dichloropropane
 Concen: 19.21 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.3	39.5

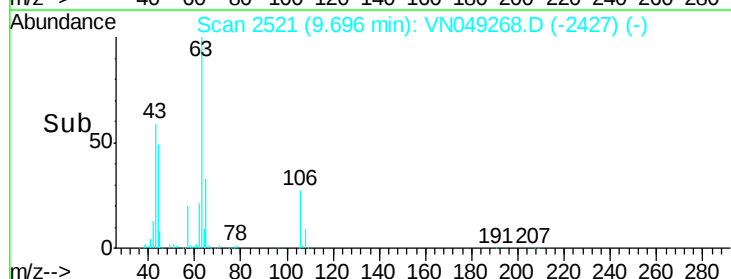
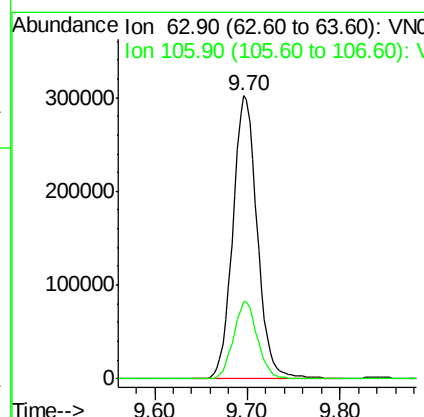
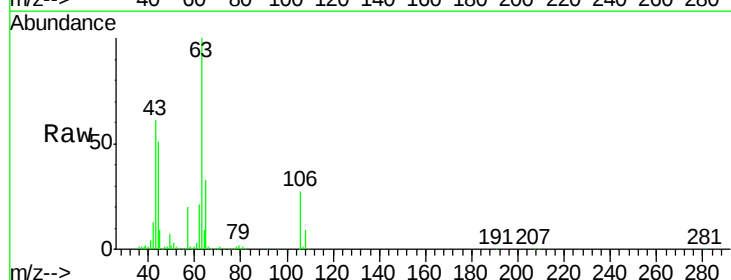
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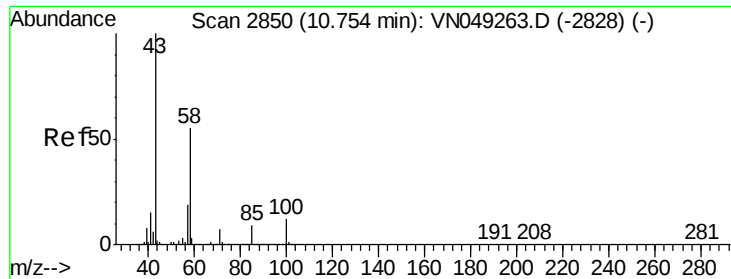
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#58
 2-Chloroethyl Vinyl ether
 Concen: 85.42 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.9	19.4	29.2





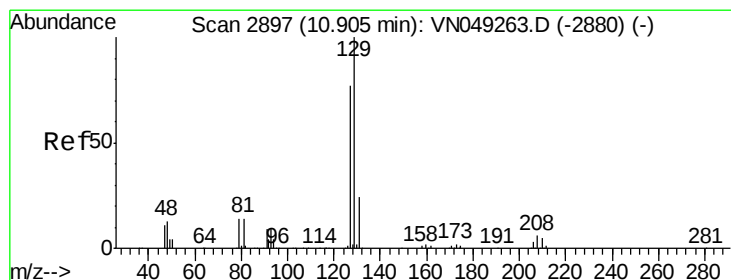
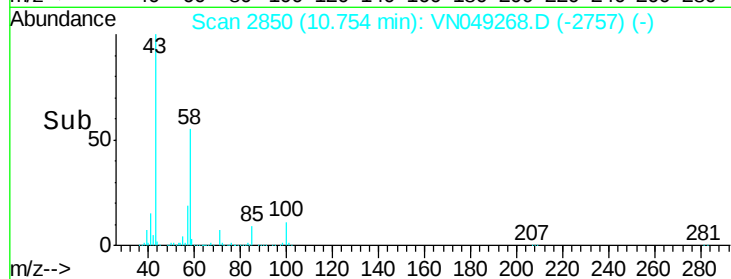
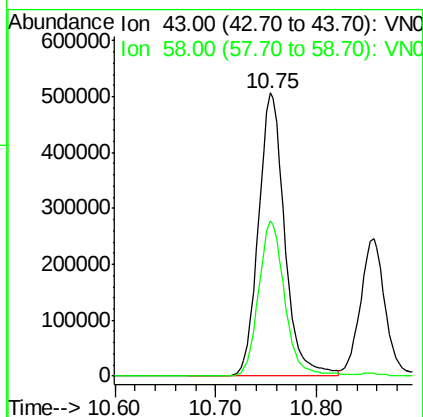
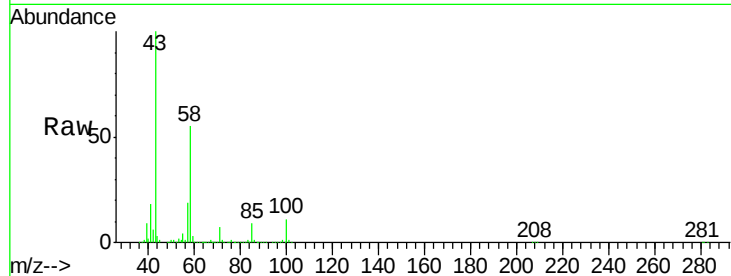
#59
2-Hexanone
Concen: 97.76 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	25.2	75.6

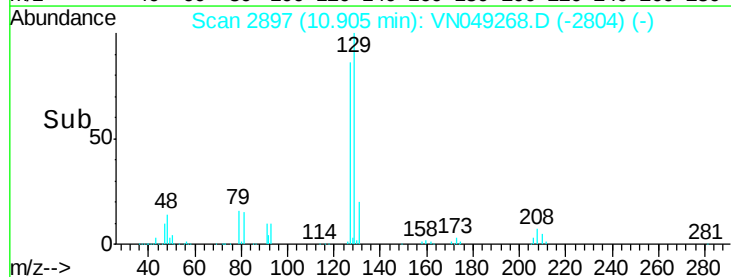
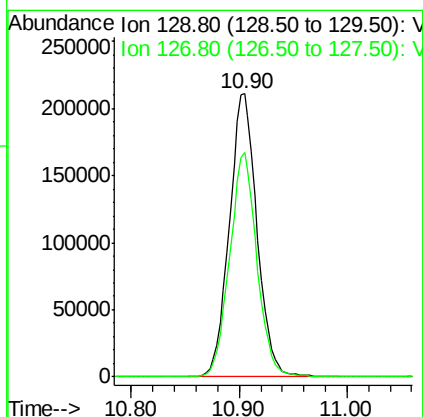
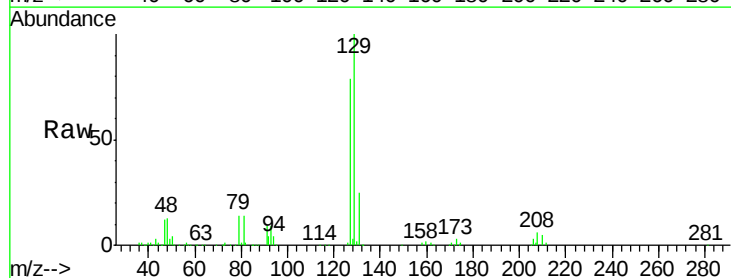
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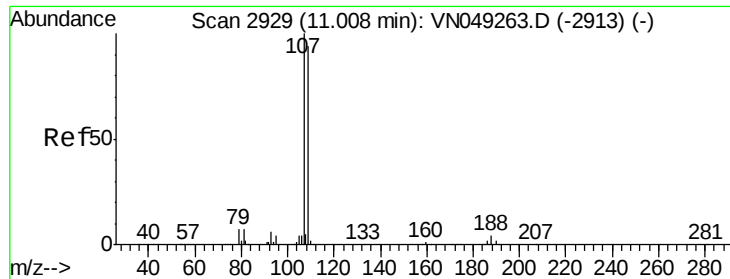
MMDadoda
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#60
Dibromochloromethane
Concen: 19.09 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.1	117.2





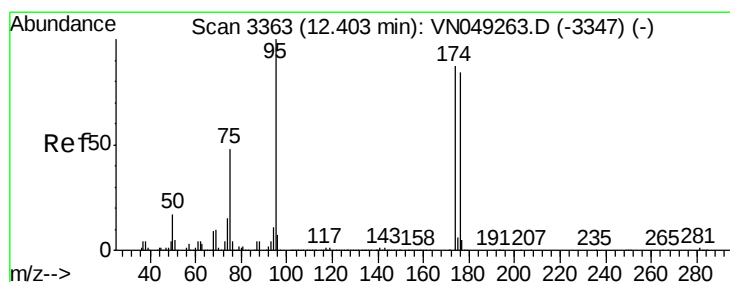
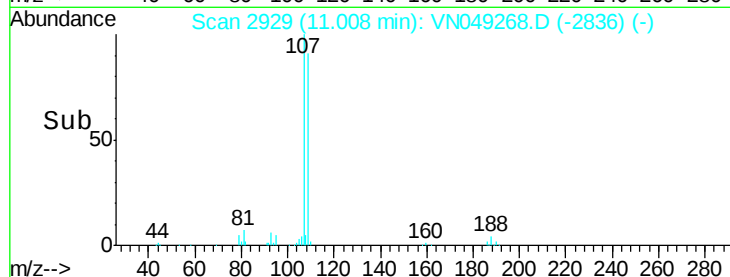
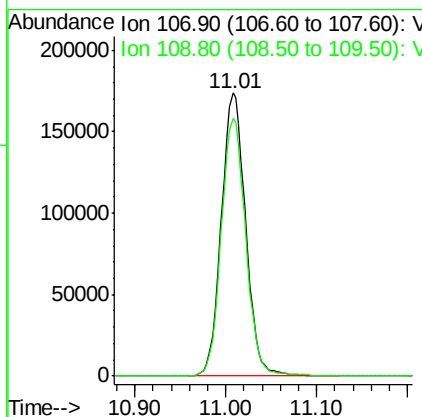
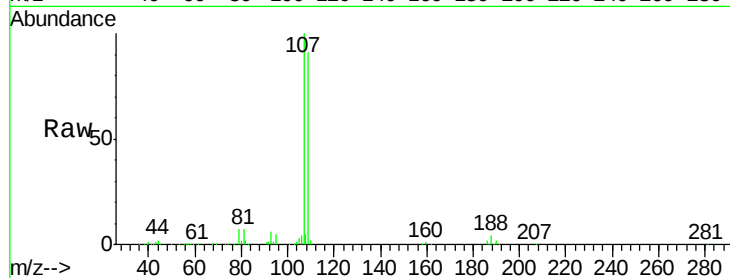
#61
 1,2-Dibromoethane
 Concen: 19.52 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.4	113.2

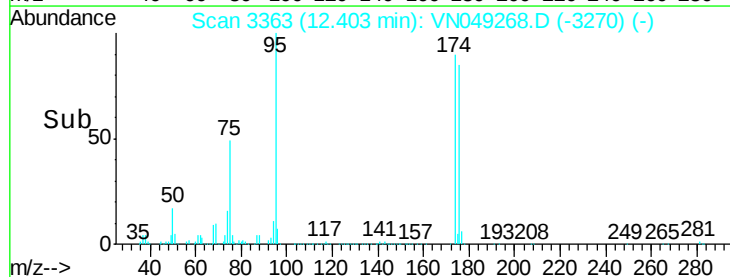
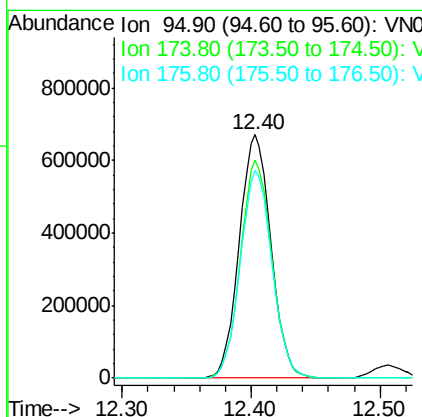
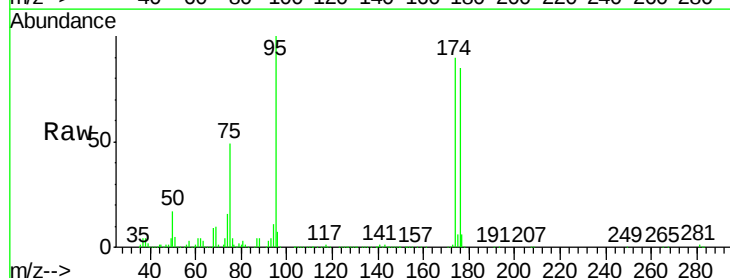
Manual Integrations
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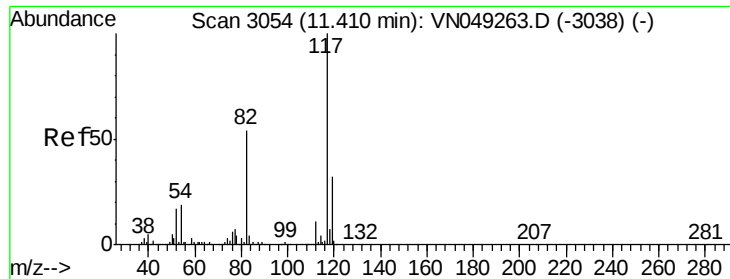
MMDadoda
 6/18/2018 3:16:14 PM



#62
 4-Bromofluorobenzene
 Concen: 48.81 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	165.6
176	85.4	0.0	157.4





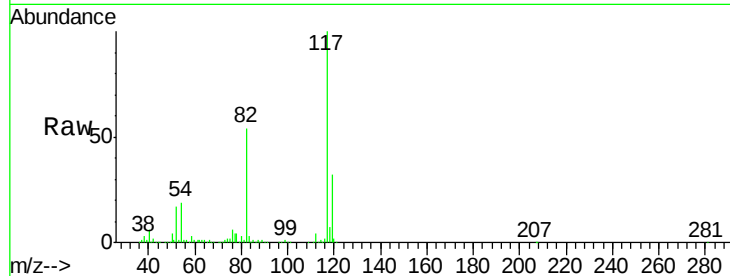
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.9	68.9
119	32.2	25.5	38.3

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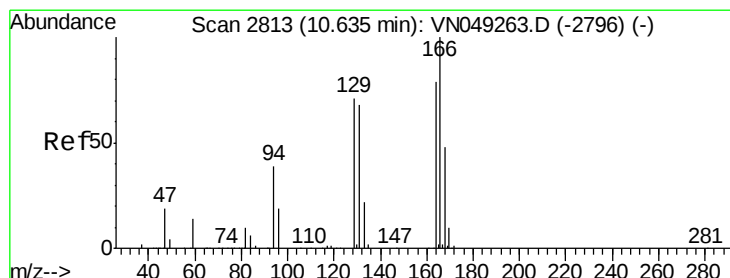
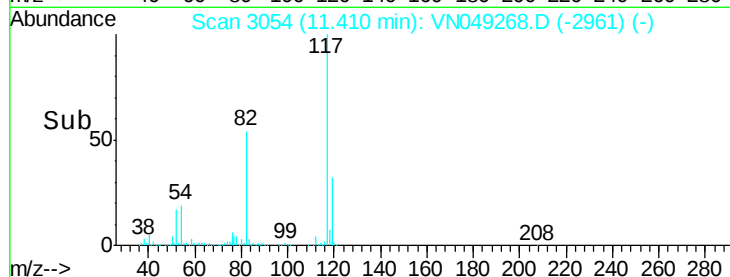
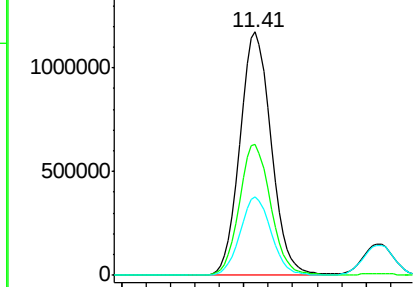


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.67 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.3	101.4	152.2
129	93.8	74.1	111.1
131	89.5	73.7	110.5

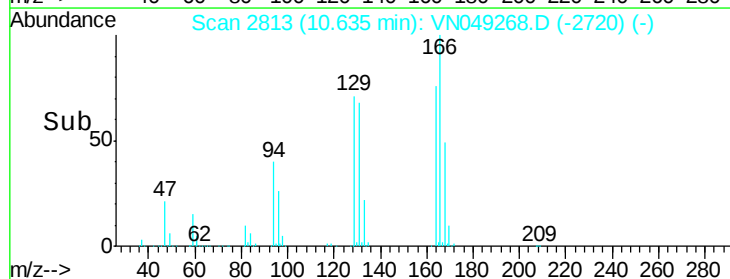
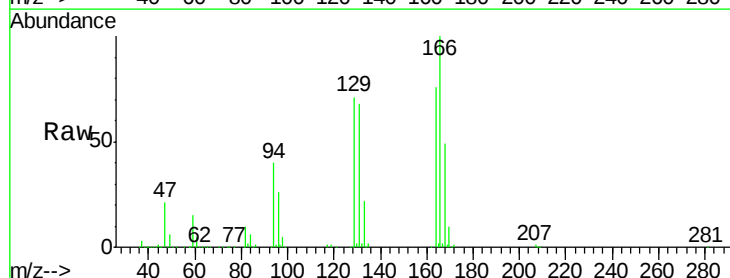
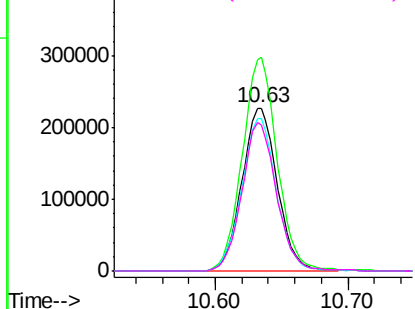
Abundance

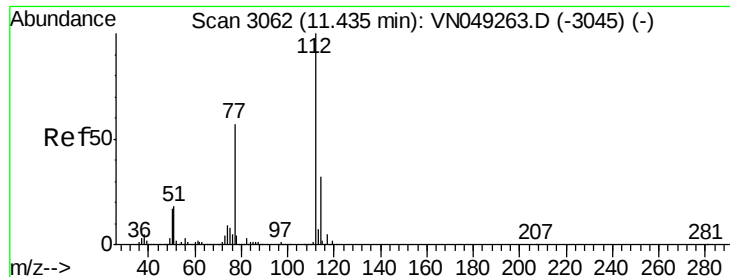
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.22 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS01

Tot Ion:112 Resp: 1030461

Ion Ratio Lower Upper

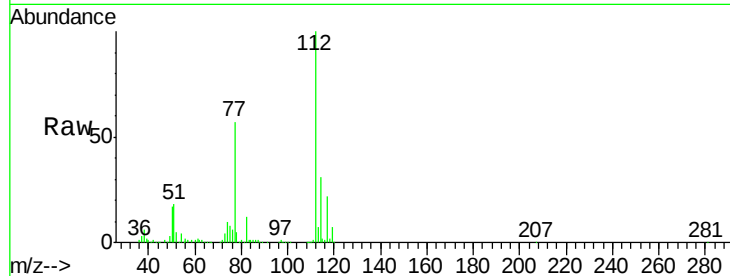
112 100

114 31.4 26.2 39.4

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

600000

400000

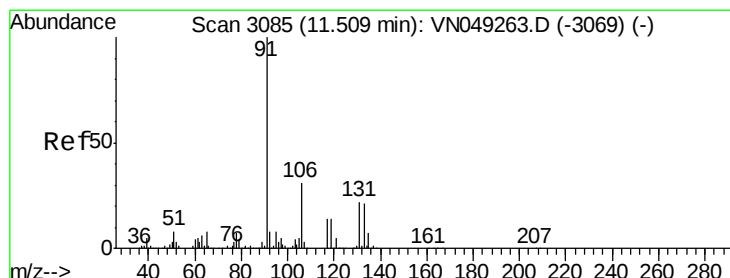
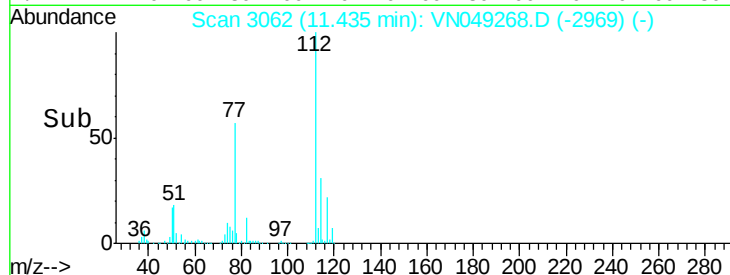
200000

0

11.44

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.23 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

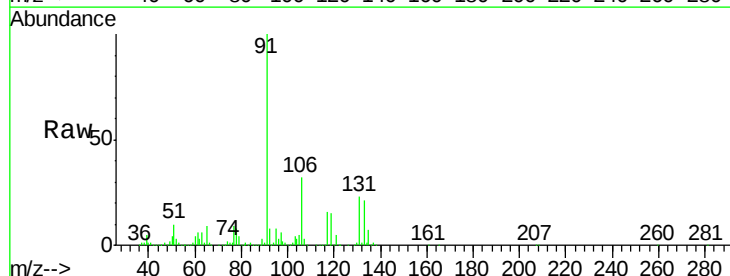
Tgt Ion:131 Resp: 388156

Ion Ratio Lower Upper

131 100

133 94.5 48.0 144.2

119 66.9 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

500000

400000

300000

200000

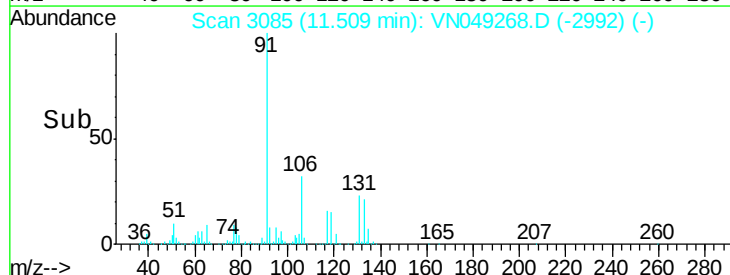
100000

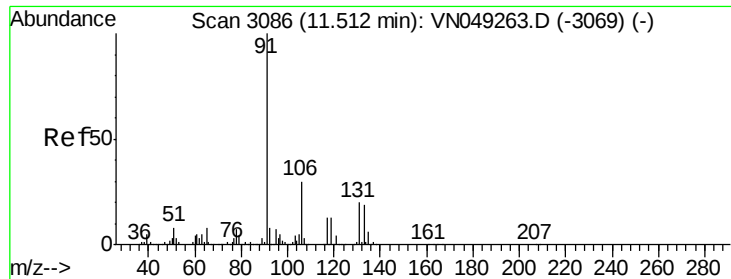
0

11.51

11.50 11.60

Time-->





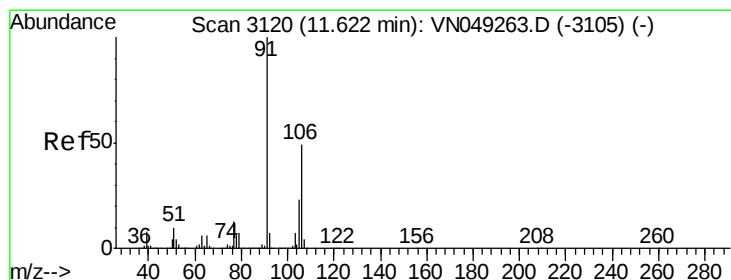
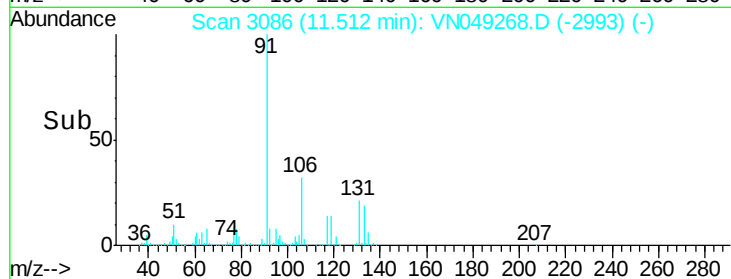
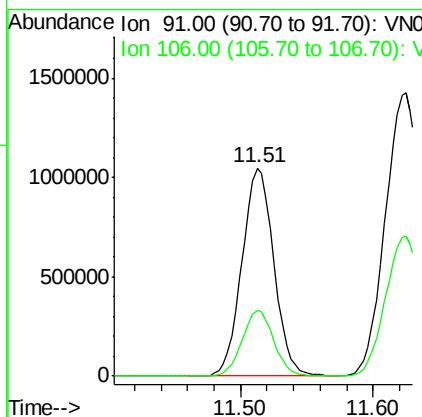
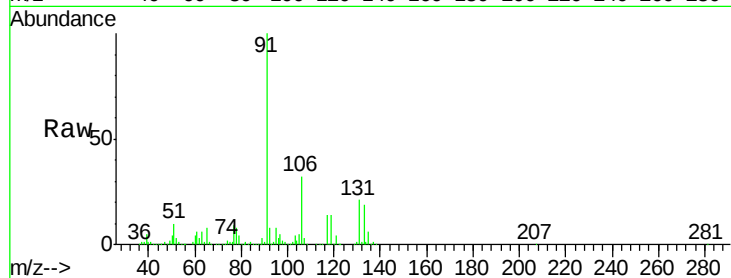
#67
Ethyl Benzene
Concen: 19.64 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

Tot Ion: 91 Resp: 1746523
Ion Ratio Lower Upper
91 100
106 31.6 23.9 35.9

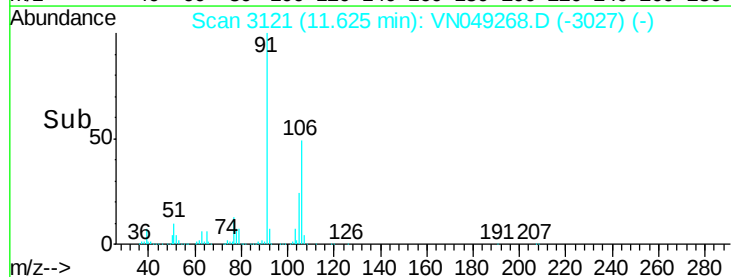
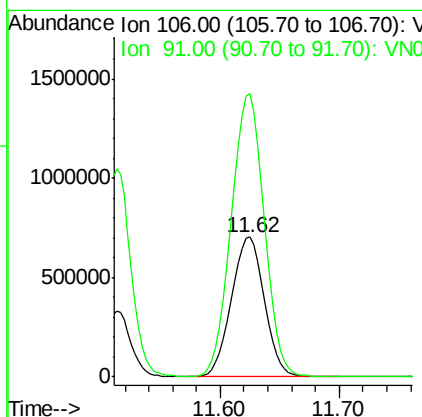
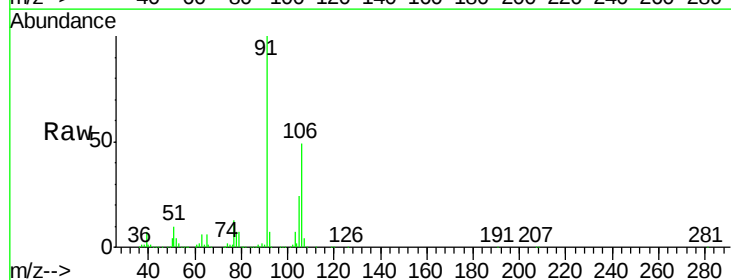
Manual Integrations
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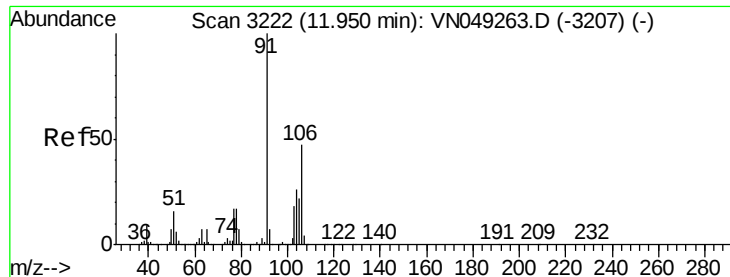
MMDadoda
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#68
m/p-Xylenes
Concen: 40.41 ug/l
RT: 11.62 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion: 106 Resp: 1348862
Ion Ratio Lower Upper
106 100
91 203.0 167.3 250.9





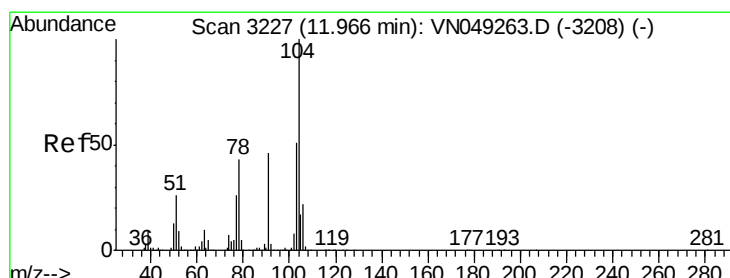
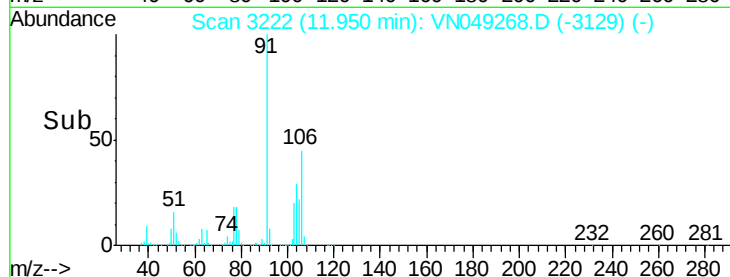
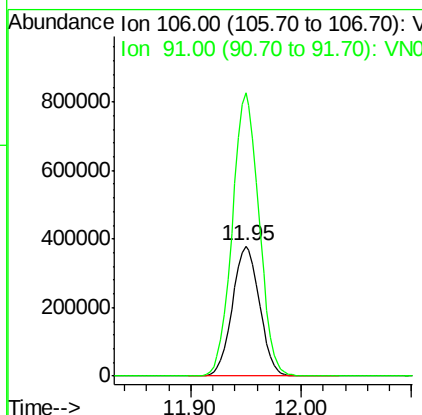
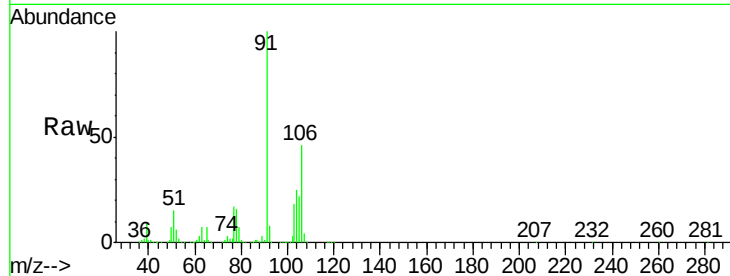
#69
o-Xylene
Concen: 20.07 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.0	111.0	333.0	

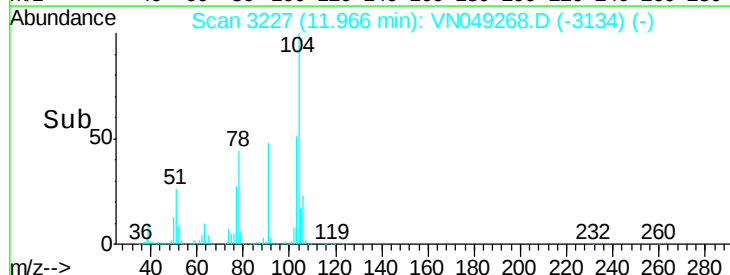
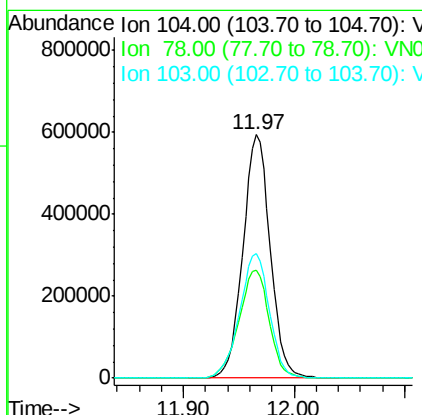
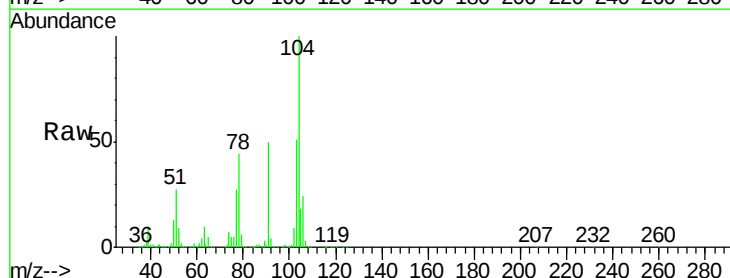
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#70
Styrene
Concen: 20.03 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.4	41.6	62.4	
103	56.1	45.4	68.2	





#71

Bromoform

Concen: 19.09 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

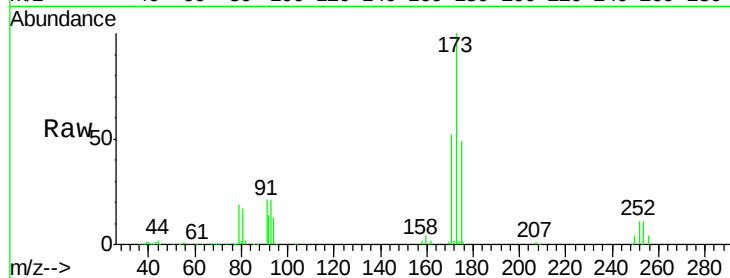
ClientSampleId :

VN0616WBS01

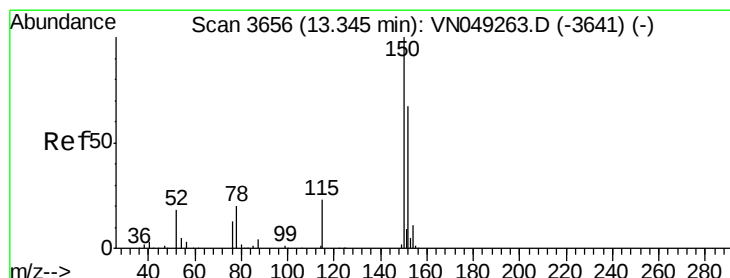
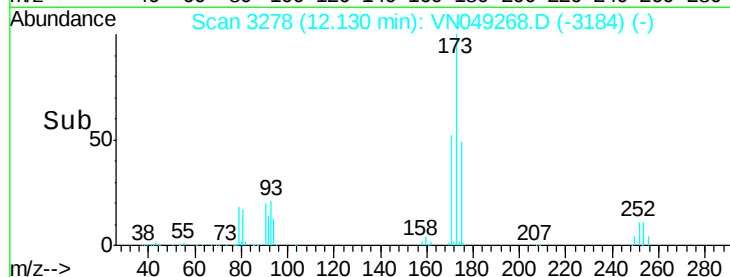
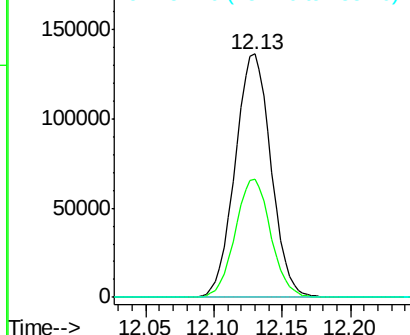
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.5	73.5
254	0.0	0.1	0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

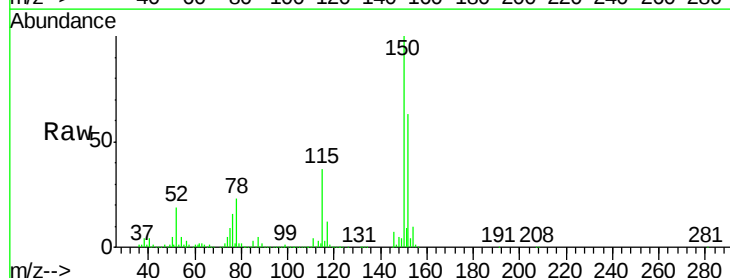
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

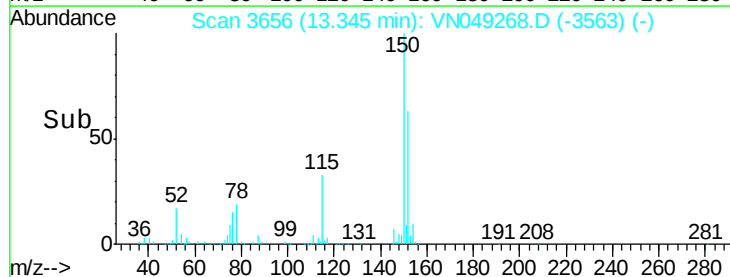
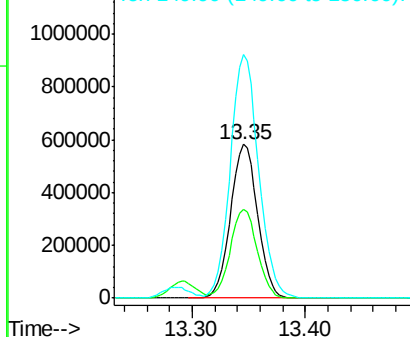
Lab File: VN049268.D

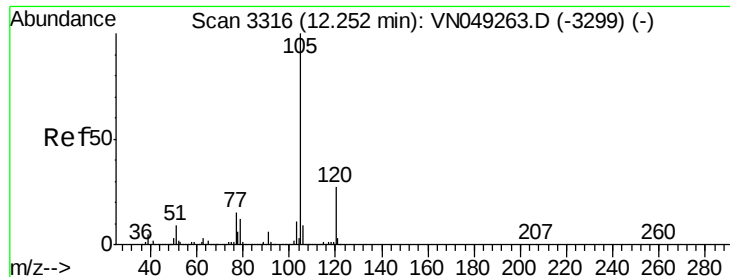
Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.7	86.1
150	166.1	0.0	351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.42 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS01

Tot Ion:105 Resp: 1730240

Ion Ratio Lower Upper

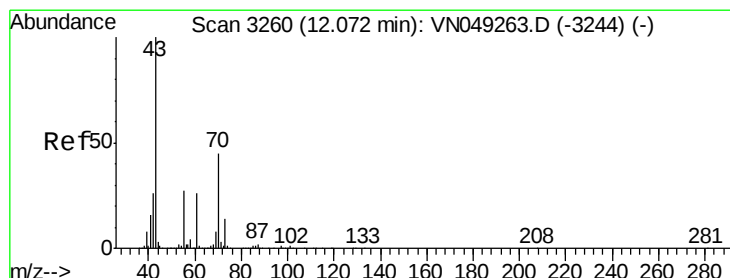
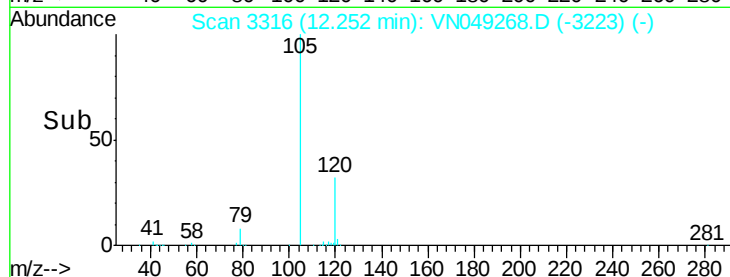
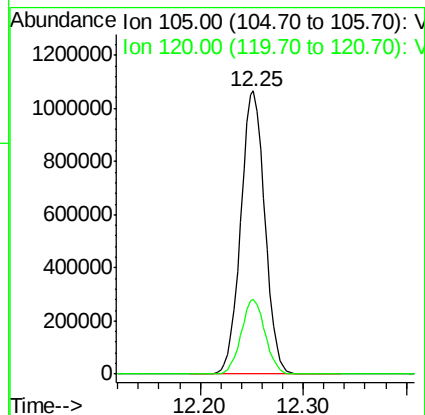
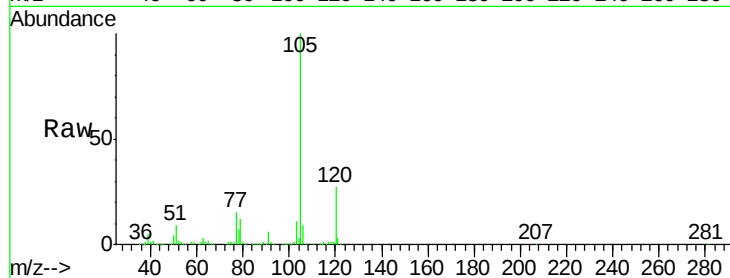
105 100

120 26.3 12.8 38.3

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#74

N-ethyl acetate

Concen: 18.81 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Tgt Ion: 43 Resp: 390370

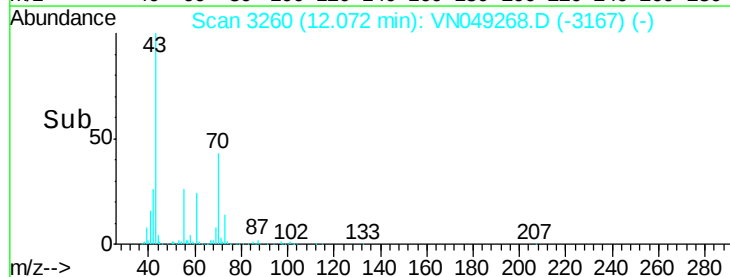
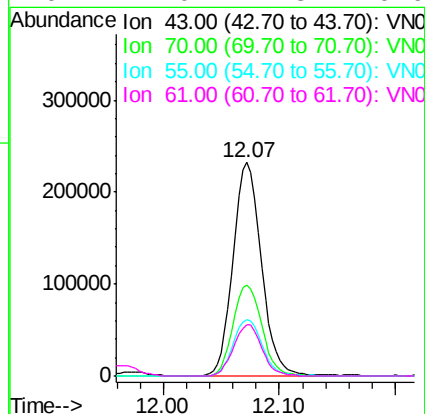
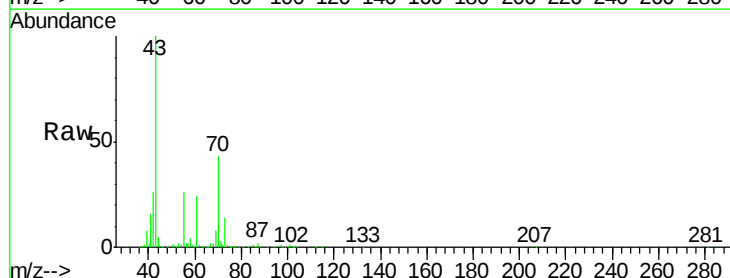
Ion Ratio Lower Upper

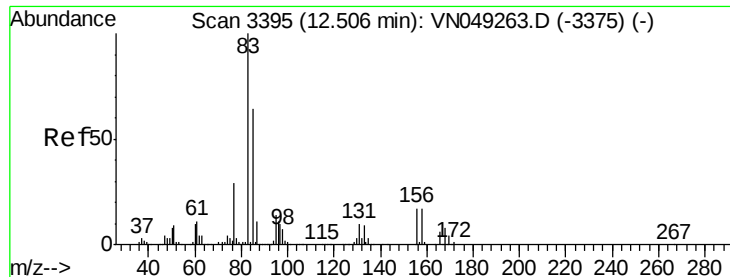
43 100

70 43.5 30.3 45.5

55 27.1 19.4 29.2

61 24.0 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.05 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS01

Tot Ion: 83 Resp: 389625

Ion Ratio Lower Upper

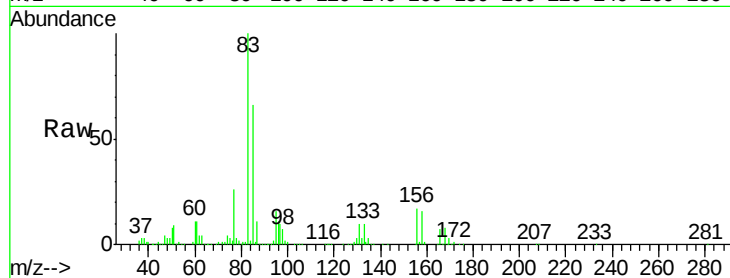
83 100

131 10.2 5.0 15.0

85 65.3 32.0 96.0

Manual Integrations
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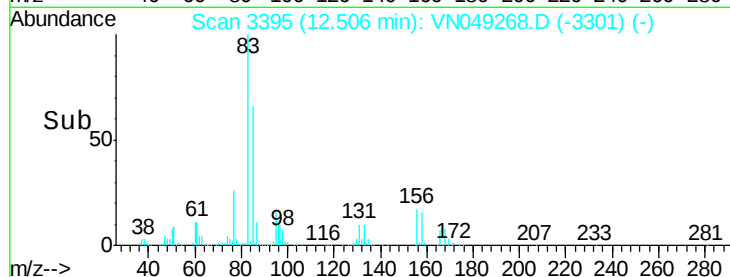


Abundance Ion 82.90 (82.60 to 83.60): VN049268.D (-3375) (-)

Ion 130.80 (130.50 to 131.50): VN049268.D (-3375) (-)

Ion 84.90 (84.60 to 85.60): VN049268.D (-3375) (-)

Time-->

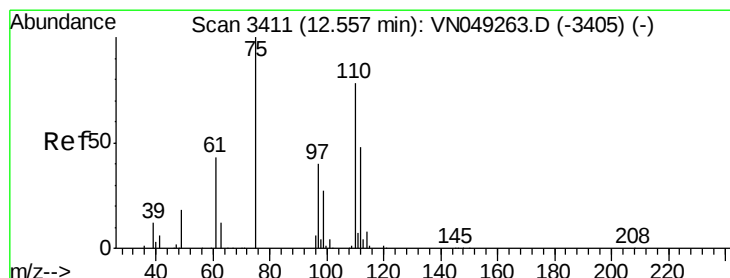


Abundance Ion 82.90 (82.60 to 83.60): VN049268.D (-3375) (-)

Ion 130.80 (130.50 to 131.50): VN049268.D (-3375) (-)

Ion 84.90 (84.60 to 85.60): VN049268.D (-3375) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 19.76 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049268.D

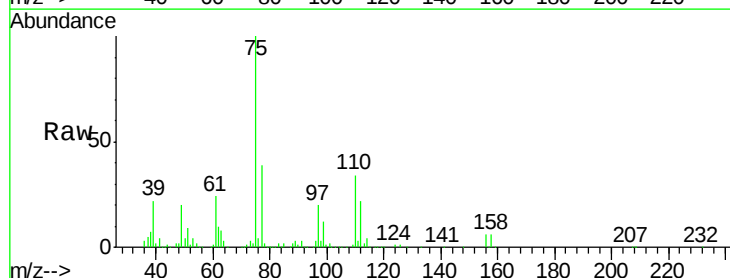
Acq: 15 Jun 2018 19:17

Tgt Ion: 75 Resp: 325506

Ion Ratio Lower Upper

75 100

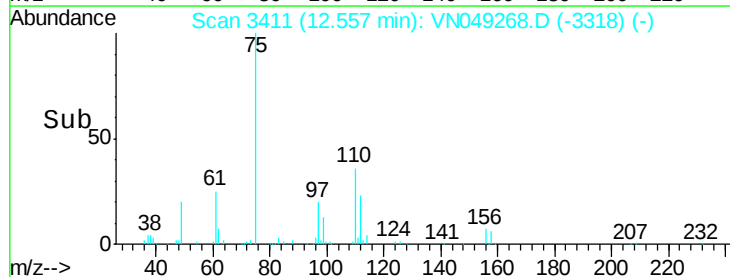
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049268.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049268.D (-3405) (-)

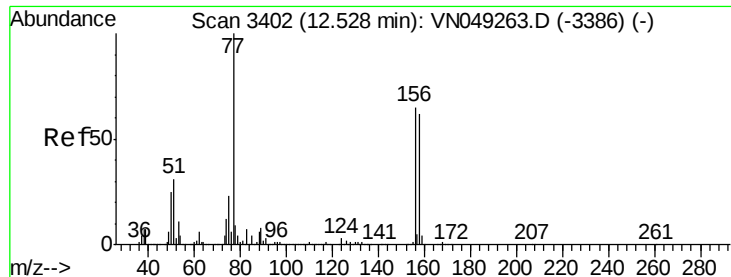
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN049268.D (-3405) (-)

Ion 77.00 (76.70 to 77.70): VN049268.D (-3405) (-)

Time-->



#77

Bromobenzene

Concen: 19.18 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

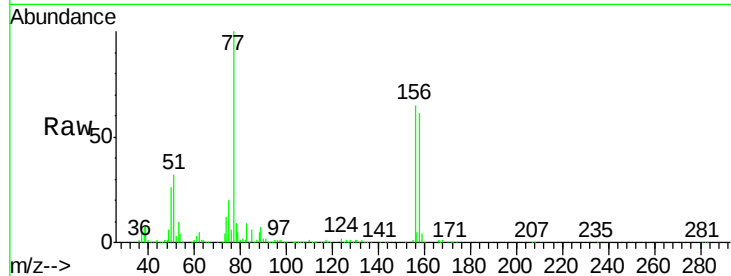
ClientSampleId :

VN0616WBS01

Tot Ion:	156	Resp:	429308
Ion Ratio	Lower	Upper	
156	100		
77	179.9	100.8	302.4
158	95.5	49.3	147.9

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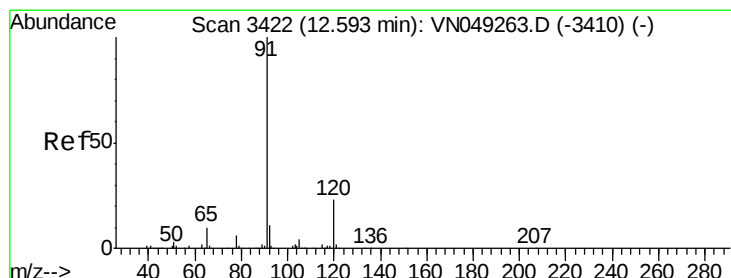
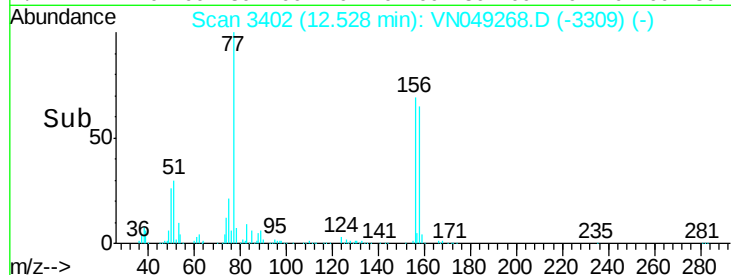
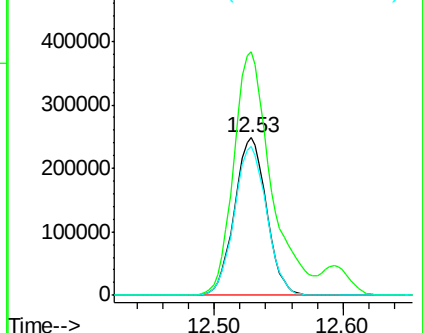
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.51 ug/l

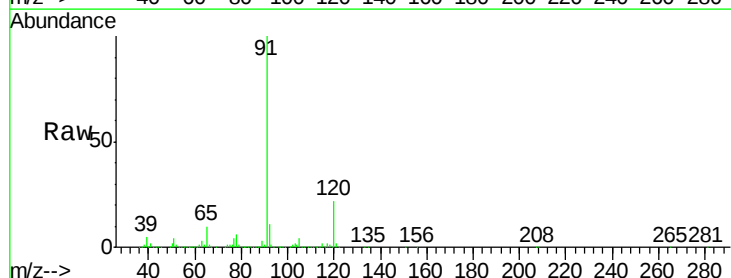
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049268.D

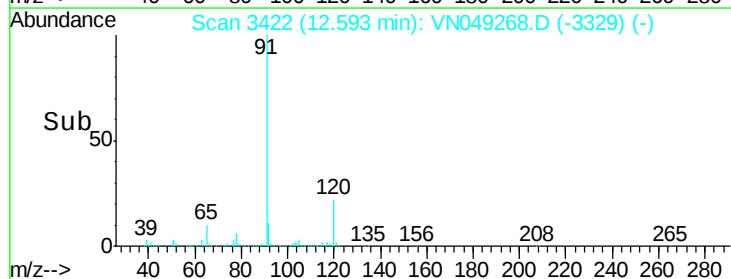
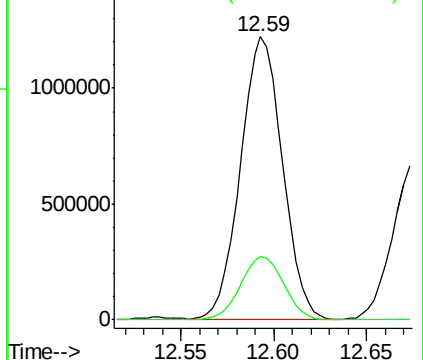
Acq: 15 Jun 2018 19:17

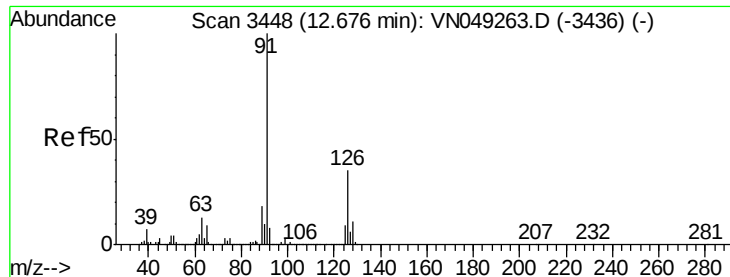
Tgt Ion:	91	Resp:	1908127
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.96 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

ClientSampled :

VN0616WBS01

Tot Ion: 91 Resp: 1176637

Ion Ratio Lower Upper

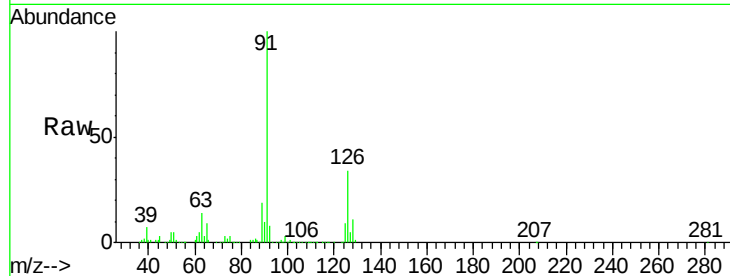
91 100

126 34.4 16.6 49.8

Manual Integrations
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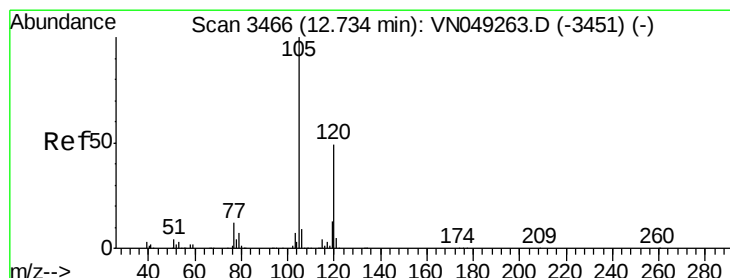
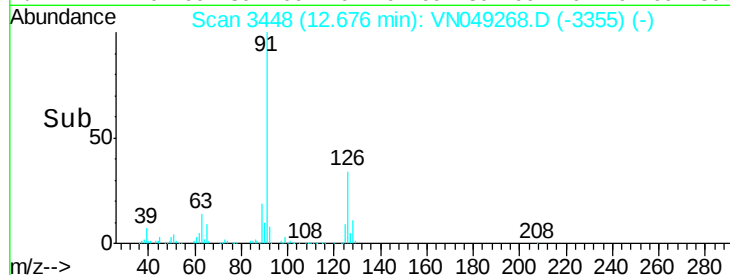
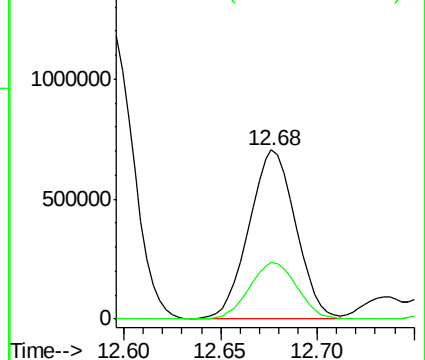
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Abundance Ion 91.00 (90.70 to 91.70): VN049268.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049268.D (-3436) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.88 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049268.D

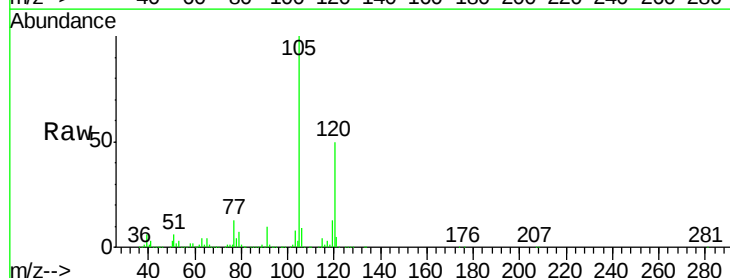
Acq: 15 Jun 2018 19:17

Tgt Ion: 105 Resp: 1391132

Ion Ratio Lower Upper

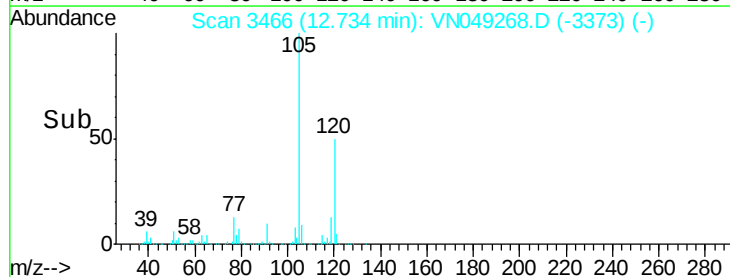
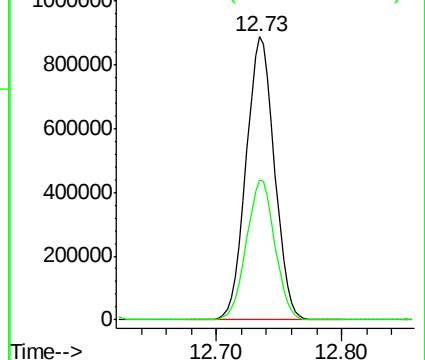
105 100

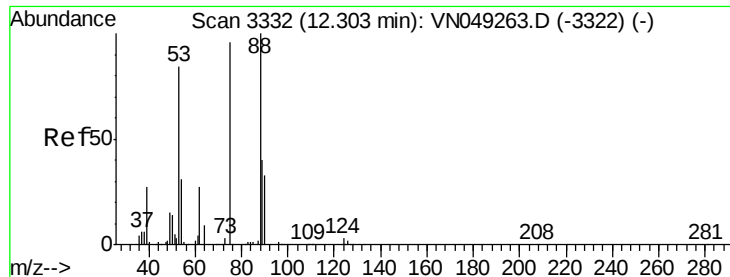
120 49.5 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049268.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049268.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.77 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS01

Tot Ion: 75 Resp: 97813

Ion Ratio Lower Upper

75 100

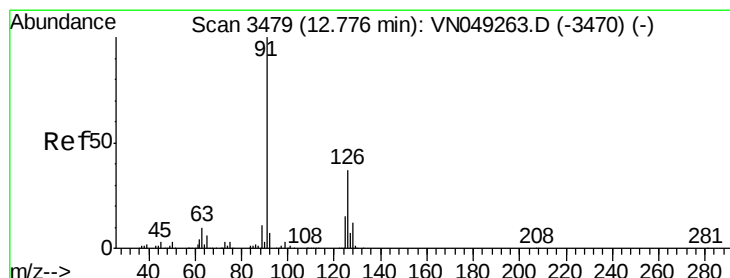
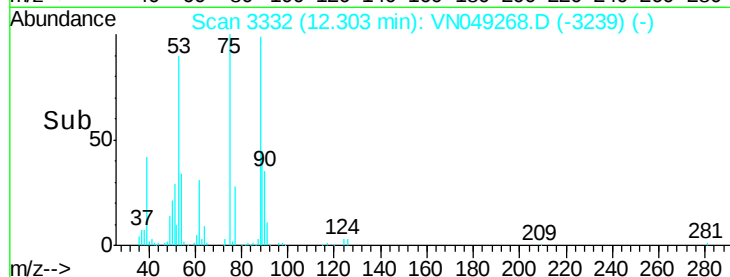
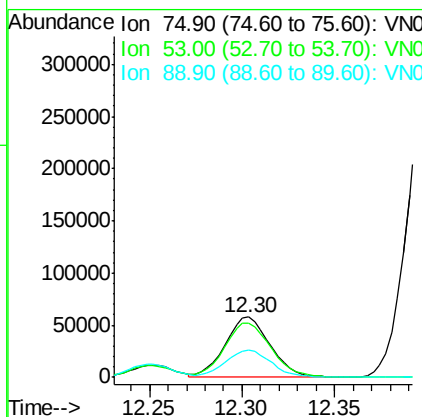
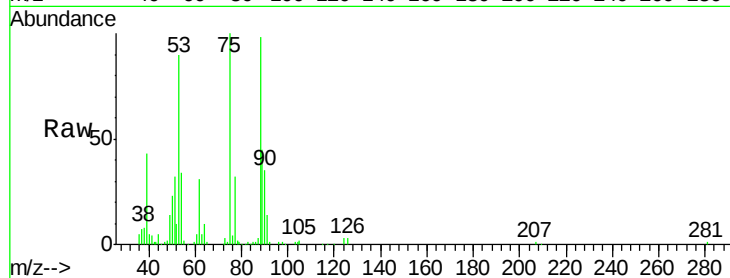
53 94.3 82.7 124.1

89 45.7 36.5 54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.11 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049268.D

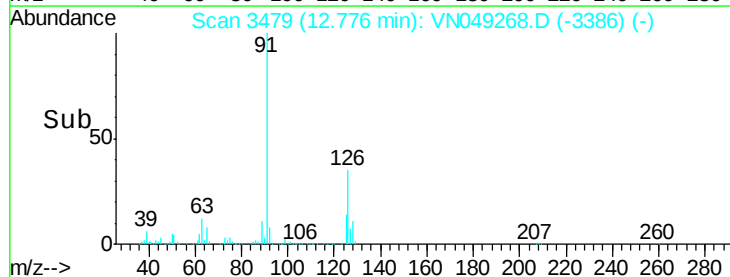
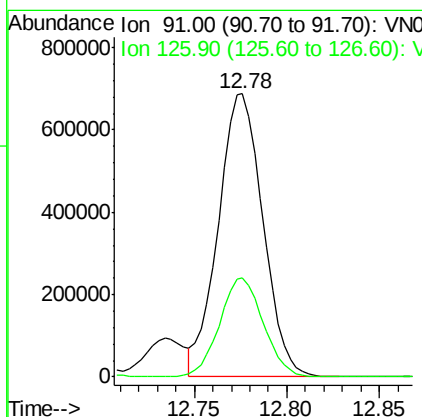
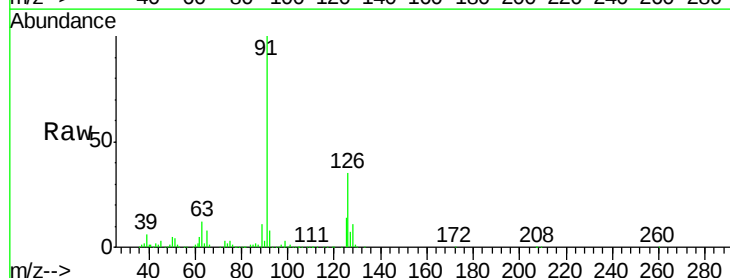
Acq: 15 Jun 2018 19:17

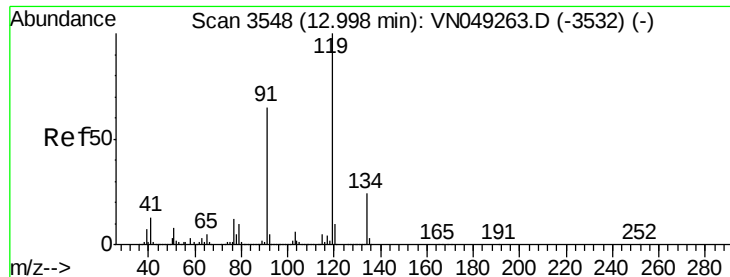
Tgt Ion: 91 Resp: 1143779

Ion Ratio Lower Upper

91 100

126 34.4 16.4 49.1





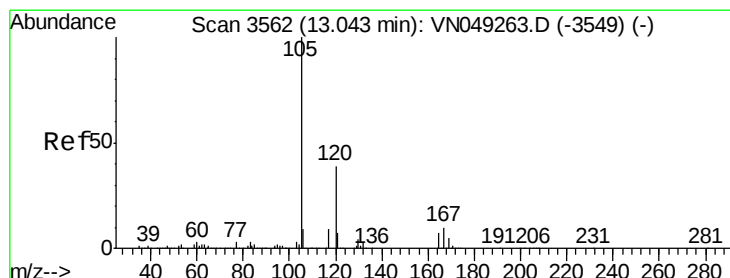
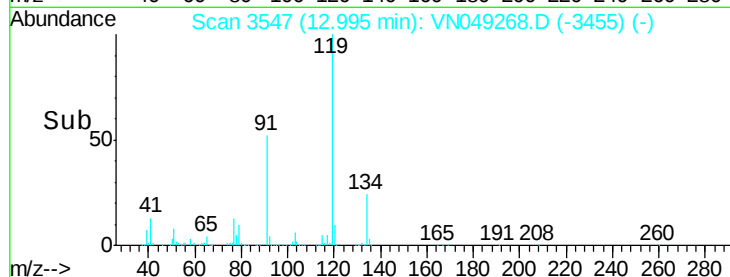
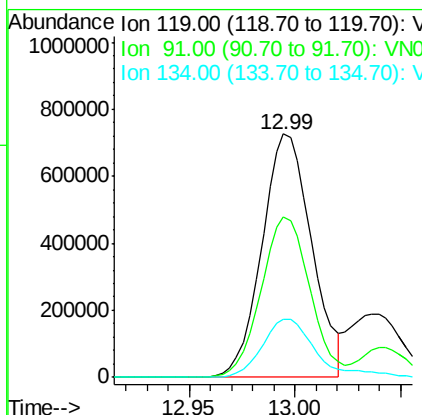
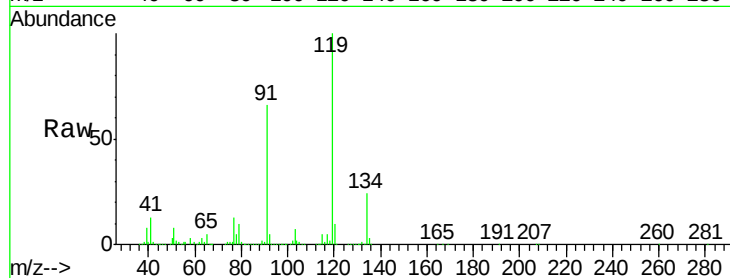
#83
 tert-Butylbenzene
 Concen: 20.23 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Tot Ion:119 Resp: 1193996
 Ion Ratio Lower Upper
 119 100
 91 64.5 33.7 101.0
 134 25.8 12.9 38.6

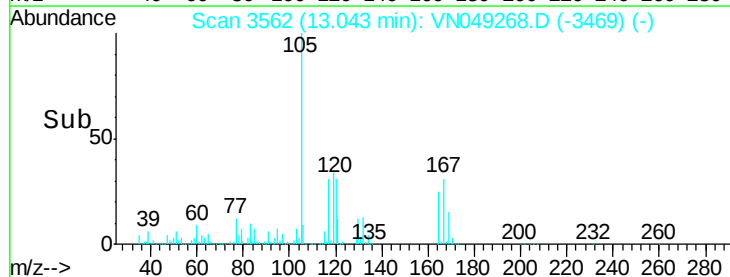
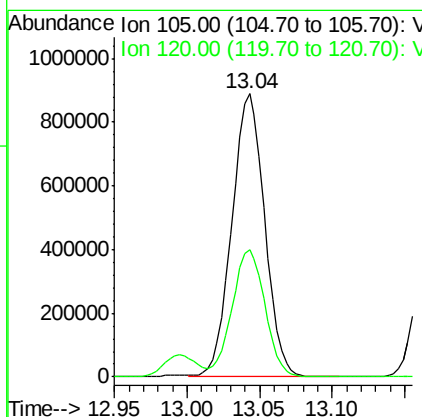
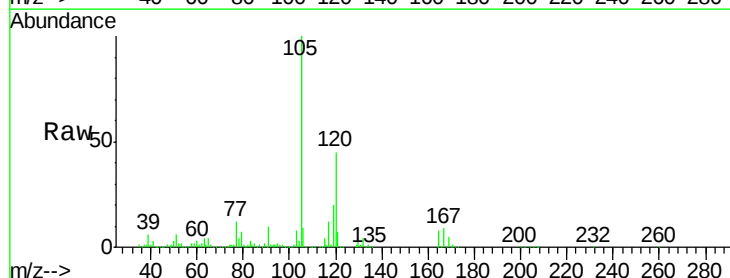
Manual Integrations
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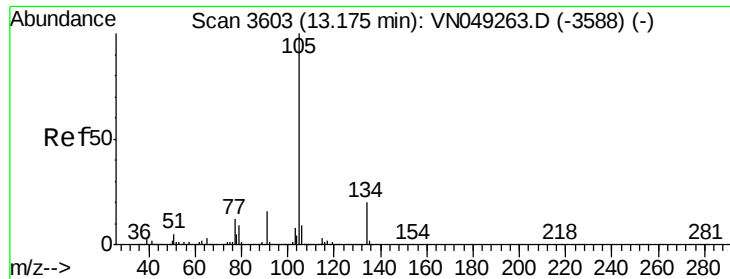
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.05 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Tgt Ion:105 Resp: 1393252
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.95 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

ClientSampleId :

VN0616WBS01

Tot Ion:105 Resp: 1566822

Ion Ratio Lower Upper

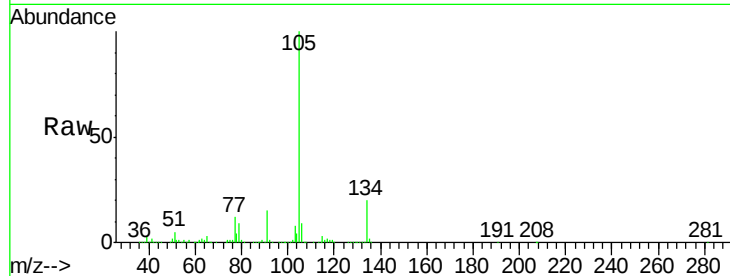
105 100

134 20.2 9.8 29.3

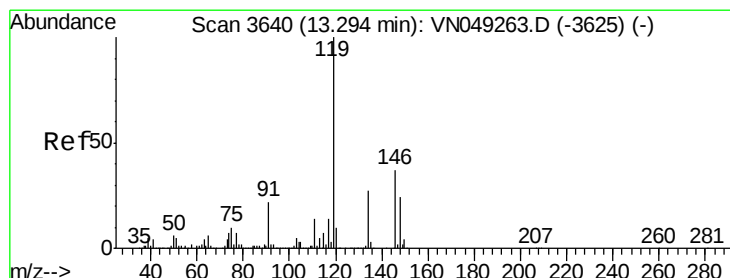
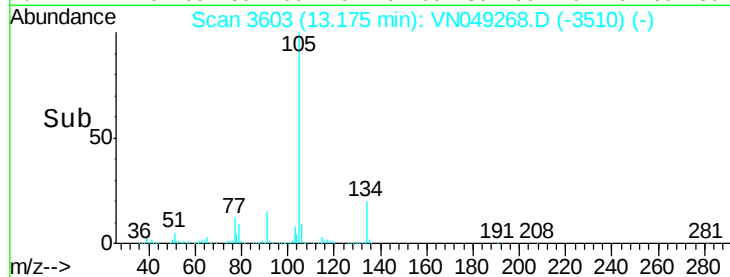
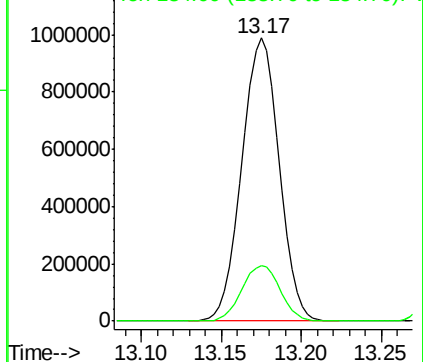
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.12 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

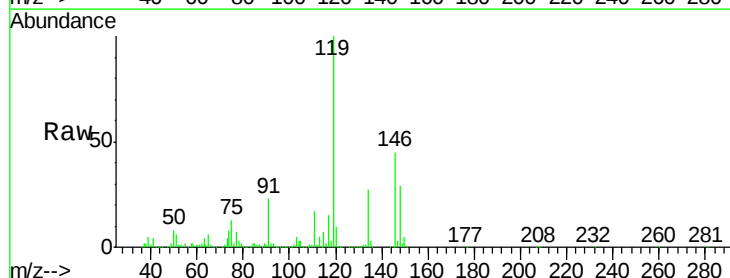
Tgt Ion:119 Resp: 1320394

Ion Ratio Lower Upper

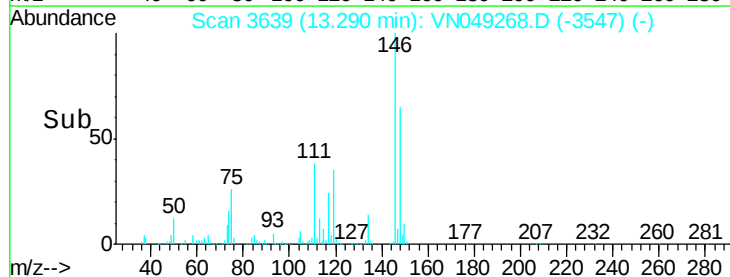
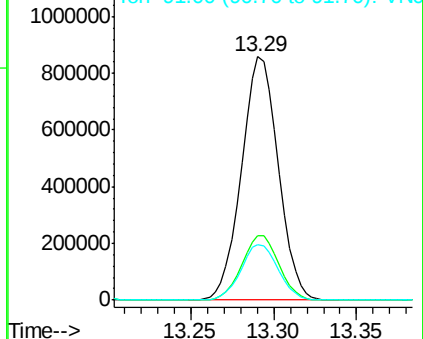
119 100

134 26.7 12.9 38.6

91 23.1 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V





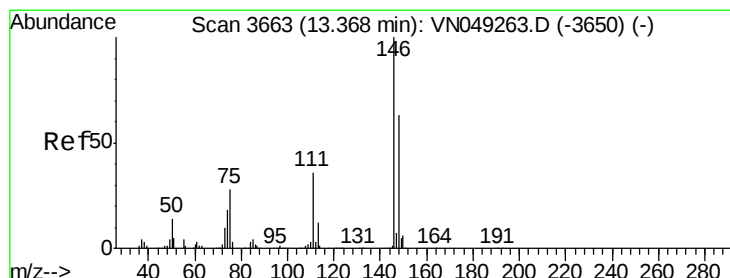
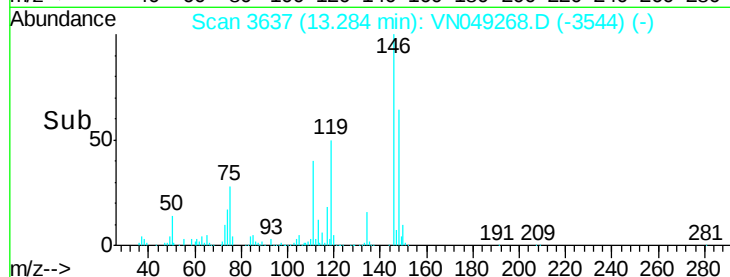
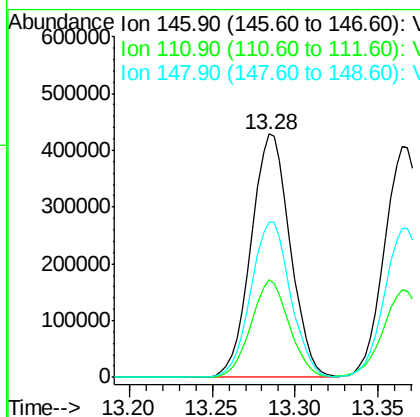
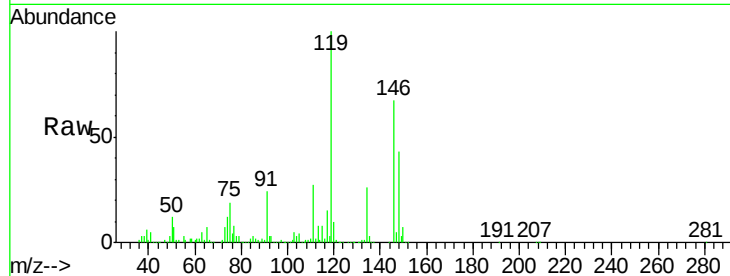
#87
 1,3-Dichlorobenzene
 Concen: 19.16 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	705475		
111	39.0		19.9	59.6
148	64.8		32.1	96.5

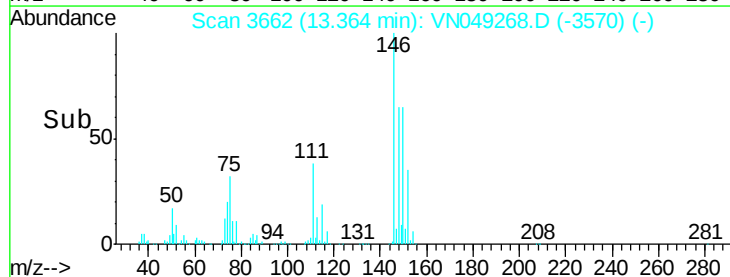
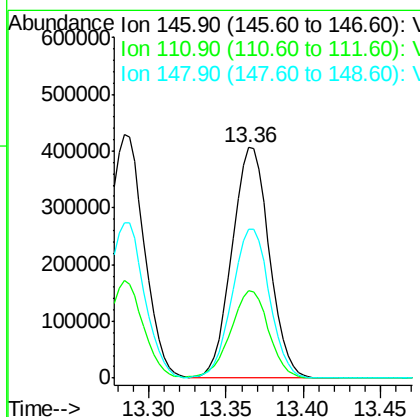
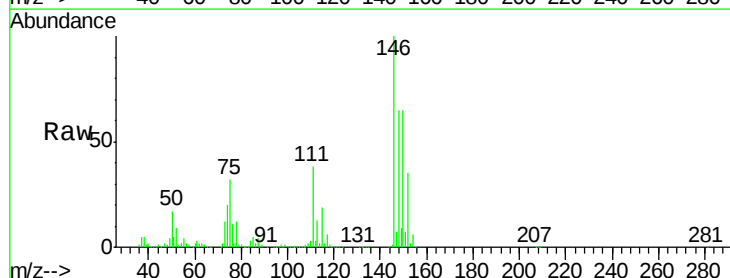
Manual Integrations
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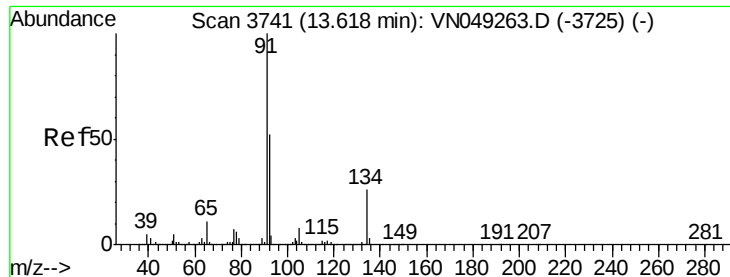
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 18.59 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	678486		
111	38.8		19.1	57.1
148	65.0		32.0	96.2





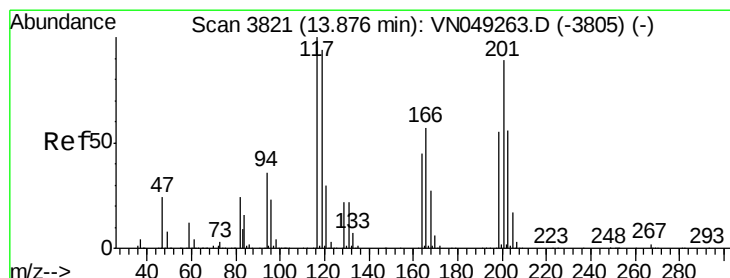
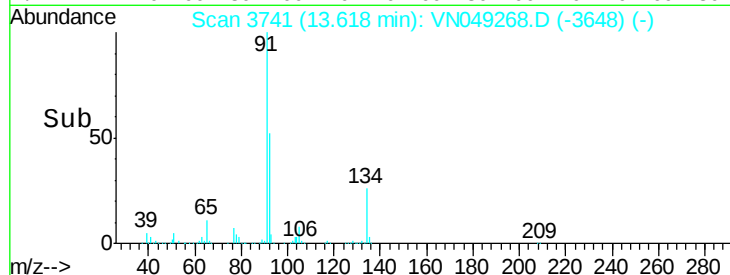
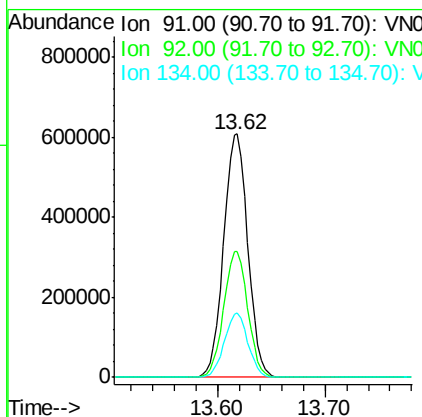
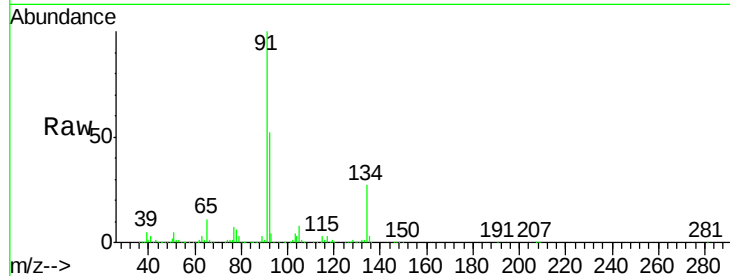
#89
n-Butylbenzene
Concen: 18.42 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Instrument :
MSVOA_N
ClientSampleId :
VN0616WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.1	75.4
134	25.9	12.0	36.0

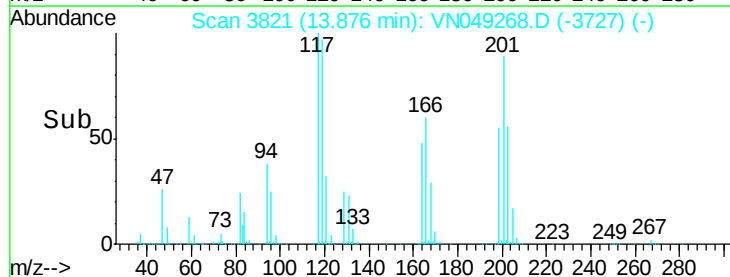
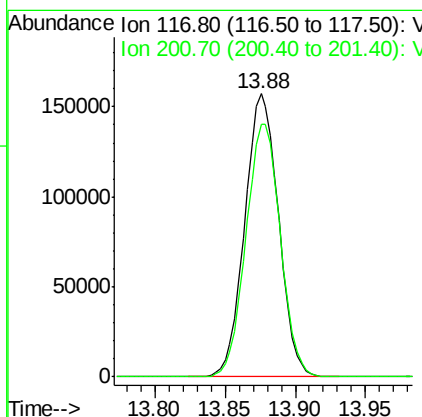
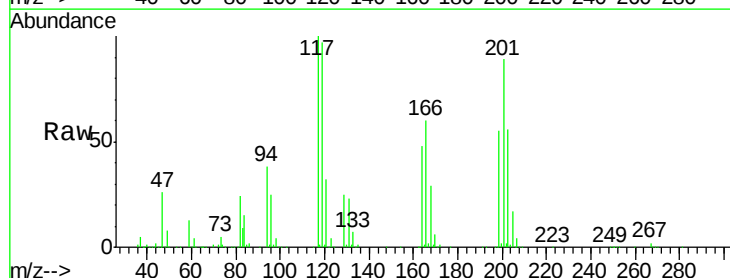
Manual Integrations
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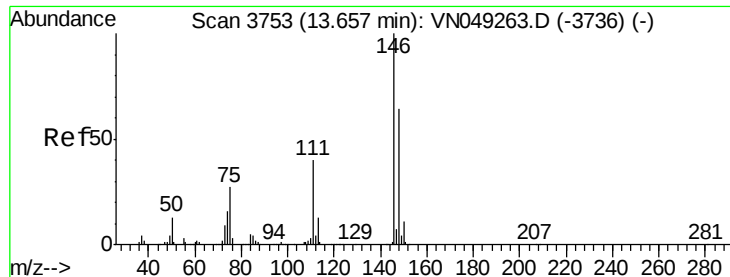
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#90
Hexachloroethane
Concen: 20.23 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049268.D
Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.0	40.1	120.2





#91

1,2-Dichlorobenzene

Concen: 19.25 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

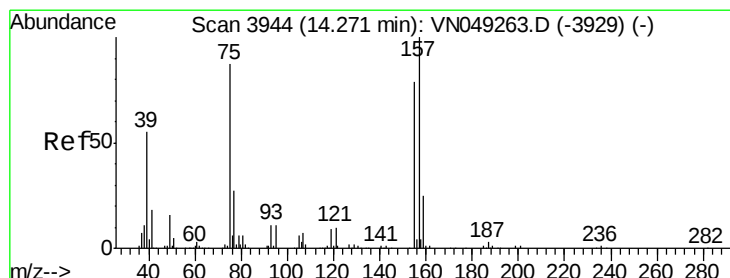
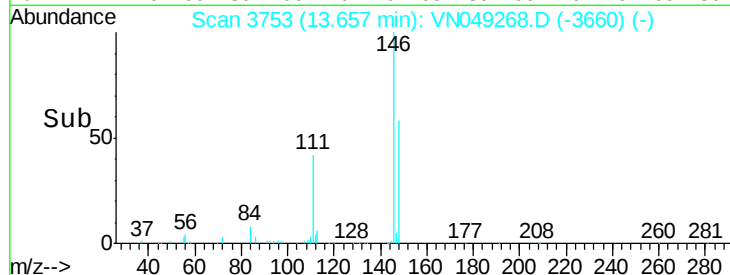
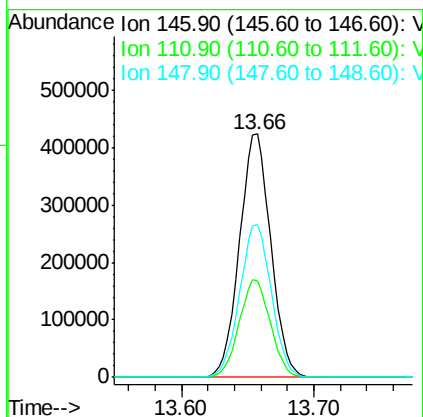
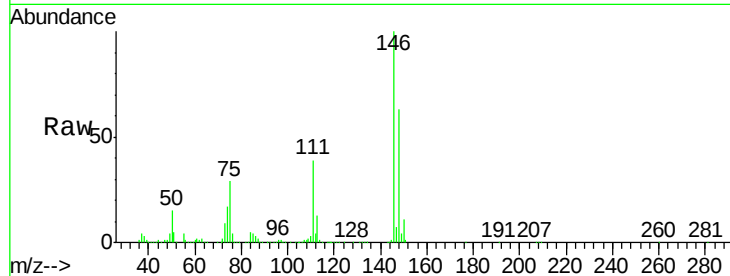
ClientSampleId :

VN0616WBS01

Tot Ion:	146	Resp:	695427
Ion Ratio		Lower	Upper
146	100		
111	39.9	20.8	62.2
148	63.6	32.0	96.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.55 ug/l

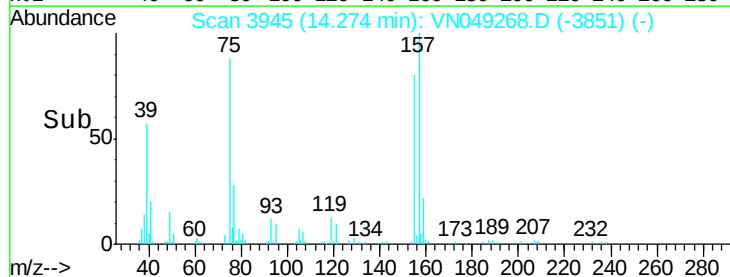
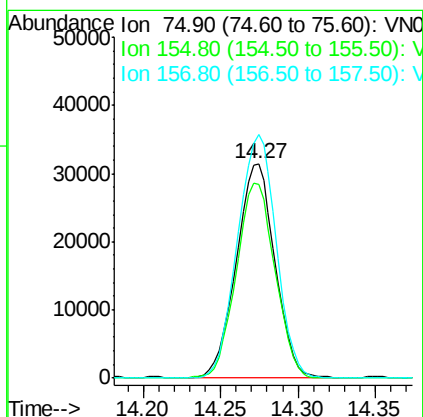
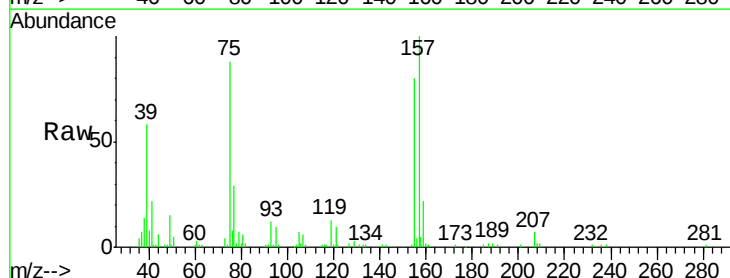
RT: 14.27 min Scan# 3945

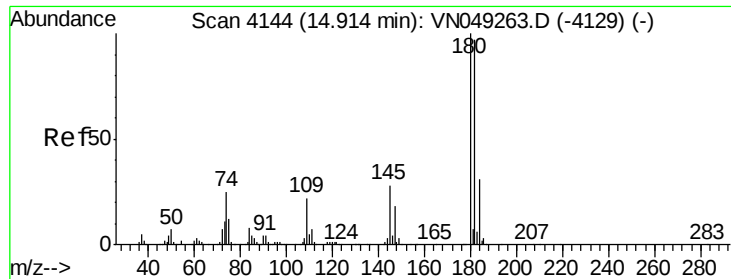
Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Tgt Ion:	75	Resp:	54717
Ion Ratio		Lower	Upper
75	100		
155	90.7	38.8	116.3
157	113.2	51.0	153.1





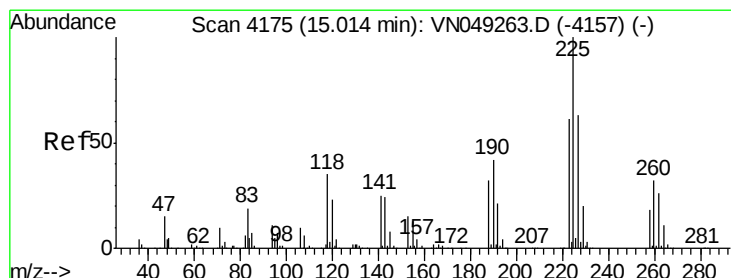
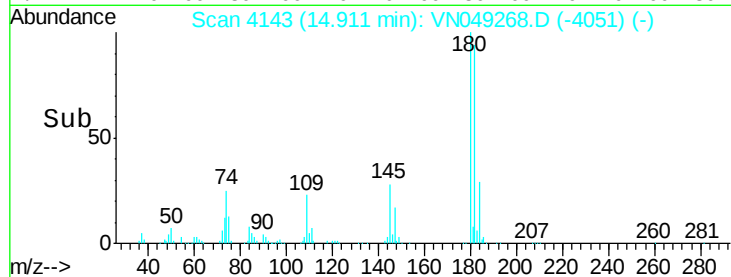
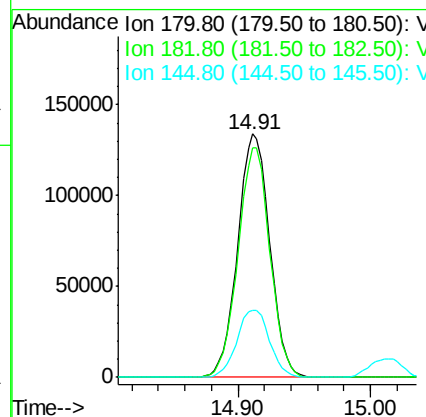
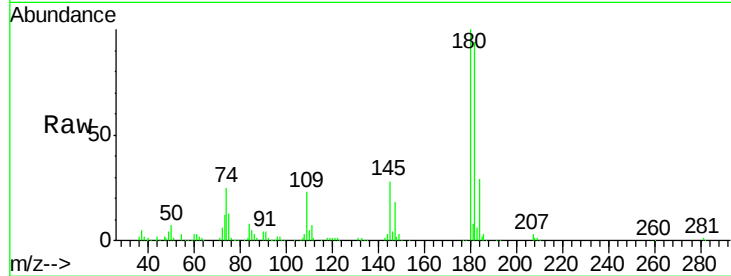
#93
 1,2,4-Trichlorobenzene
 Concen: 17.00 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0616WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	224198		
182	93.8	46.9	140.8	
145	28.3	14.7	44.1	

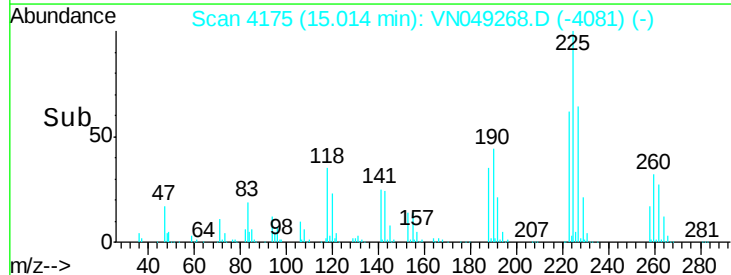
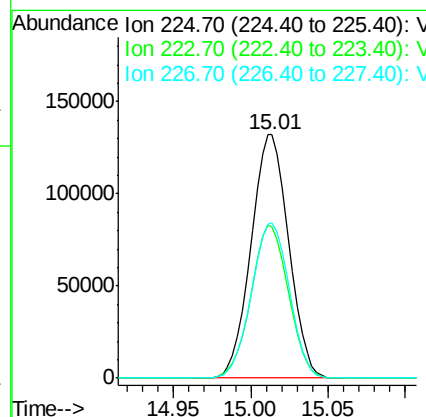
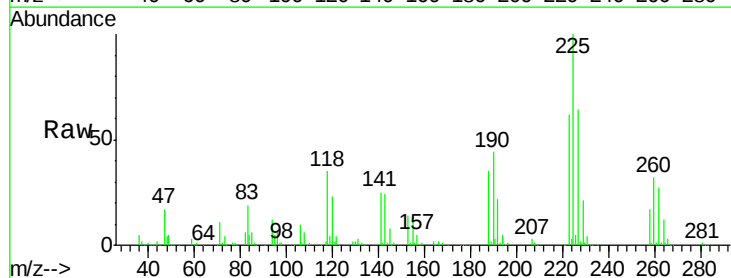
Manual Integrations
 APPROVED

MMDadoda
 6/18/2018 3:16:14 PM



#94
 Hexachlorobutadiene
 Concen: 19.50 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049268.D
 Acq: 15 Jun 2018 19:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	223574		
223	62.6	32.1	96.3	
227	64.1	31.8	95.3	





#95

Naphthalene

Concen: 17.88 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Instrument :

MSVOA_N

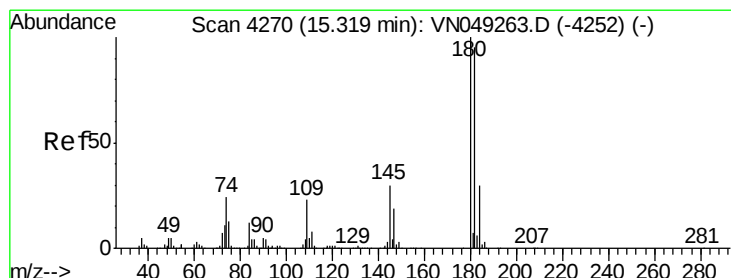
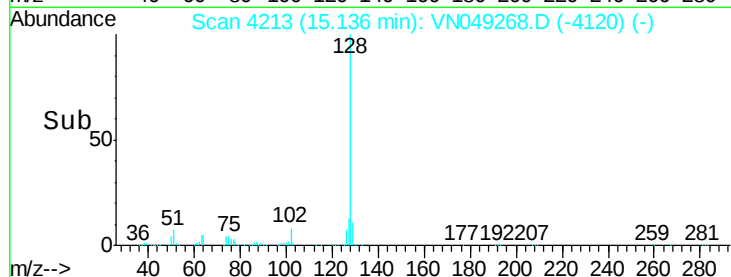
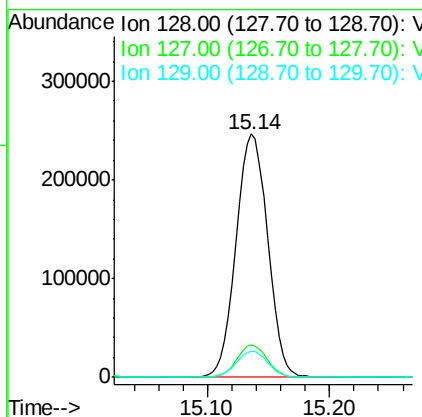
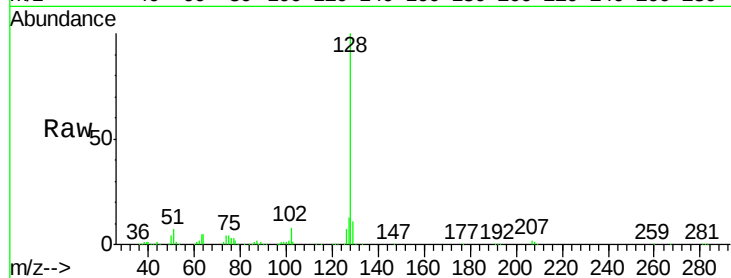
ClientSampleId :

VN0616WBS01

Tot Ion:	128	Resp:	442605
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	10.7	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
6/18/2018 3:16:14 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.70 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049268.D

Acq: 15 Jun 2018 19:17

Tgt Ion:	180	Resp:	247618
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.3	141.8
145	30.7	15.6	46.7

