

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062818\
 Data File : VN049611.D
 Acq On : 29 Jun 2018 1:17
 Operator : MD\SY
 Sample : VN0628WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD02

Manual Integrations
 APPROVED

MMDadoda
 6/29/2018 1:46:49 PM

Quant Time: Jun 29 04:45:51 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	1399985	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2135037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1882985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	972018	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	921123	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	7.59	113	808225	46.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.58%	
50) Toluene-d8	10.09	98	3118514	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
62) 4-Bromofluorobenzene	12.40	95	1031066	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	328514	20.39	ug/l	100
3) Chloromethane	2.05	50	382734	18.39	ug/l	97
4) Vinyl Chloride	2.18	62	421915	19.08	ug/l	99
5) Bromomethane	2.56	94	203269	17.49	ug/l	99
6) Chloroethane	2.70	64	259732	19.70	ug/l	100
7) Trichlorofluoromethane	3.02	101	449336	16.29	ug/l	98
8) Diethyl Ether	3.41	74	181656	18.86	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	333461	19.06	ug/l	92
10) Methyl Iodide	3.95	142	431430	23.69	ug/l	92
11) Tert butyl alcohol	4.79	59	94185	86.42	ug/l	99
12) 1,1-Dichloroethene	3.73	96	306567	19.10	ug/l	90
13) Acrolein	3.61	56	101544	88.85	ug/l	97
14) Allyl chloride	4.32	41	430669	16.99	ug/l	90
15) Acrylonitrile	4.99	53	494309	90.71	ug/l	99
16) Acetone	3.82	43	376389	83.48	ug/l	92
17) Carbon Disulfide	4.05	76	888100	17.65	ug/l	100
18) Methyl Acetate	4.33	43	402238	29.26	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	797254	19.48	ug/l	100
20) Methylene Chloride	4.55	84	349601	18.57	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	318233	18.73	ug/l	90
22) Diisopropyl ether	5.95	45	1012662	20.01	ug/l	96
23) Vinyl Acetate	5.90	43	3136750	95.07	ug/l	96
24) 1,1-Dichloroethane	5.85	63	622431	19.21	ug/l	98
25) 2-Butanone	6.84	43	526874	87.03	ug/l	96
26) 2,2-Dichloropropane	6.82	77	396929	15.17	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	366332	19.39	ug/l	89
28) Bromochloromethane	7.19	49	263848	18.37	ug/l	84
29) Tetrahydrofuran	7.21	42	359432	92.24	ug/l	94
30) Chloroform	7.37	83	636229	19.73	ug/l	100
31) Cyclohexane	7.65	56	542020	19.63	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	535996	19.48	ug/l	97
36) 1,1-Dichloropropene	7.79	75	460653	18.83	ug/l	97
37) Ethyl Acetate	6.93	43	273102	20.53	ug/l	99
38) Carbon Tetrachloride	7.77	117	442845	17.48	ug/l	98

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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	489882	18.65	ug/l	97
40) Benzene	8.04	78	1401804	18.69	ug/l	99
41) Methacrylonitrile	7.17	41	117656	16.36	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	434393	18.74	ug/l	95
43) Isopropyl Acetate	8.17	43	553907	21.79	ug/l	98
44) Trichloroethene	8.84	130	406143	20.50	ug/l	93
45) 1,2-Dichloropropane	9.12	63	370331	18.85	ug/l	100
46) Dibromomethane	9.21	93	214692	18.85	ug/l	90
47) Bromodichloromethane	9.40	83	466811	18.65	ug/l	98
48) Methyl methacrylate	9.20	41	229767	19.20	ug/l	89
49) 1,4-Dioxane	9.20	88	58433	353.72	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	1244638	93.43	ug/l	95
52) Toluene	10.16	92	851519	19.34	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	412228	17.22	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	499230	17.66	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	305692	18.62	ug/l	98
56) Ethyl methacrylate	10.43	69	359172	18.97	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	497331	18.29	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	812337	127.44	ug/l	95
59) 2-Hexanone	10.75	43	774694	90.21	ug/l	93
60) Dibromochloromethane	10.90	129	328795	17.95	ug/l	98
61) 1,2-Dibromoethane	11.01	107	292547	19.17	ug/l	99
64) Tetrachloroethene	10.63	164	493347	25.57	ug/l	98
65) Chlorobenzene	11.44	112	929607	19.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	335195	18.36	ug/l	98
67) Ethyl Benzene	11.51	91	1547140	19.23	ug/l	97
68) m/p-Xylenes	11.62	106	1218010	40.34	ug/l	97
69) o-Xylene	11.95	106	582886	20.04	ug/l	97
70) Styrene	11.97	104	952364	20.76	ug/l	96
71) Bromoform	12.13	173	212790	18.01	ug/l #	98
73) Isopropylbenzene	12.25	105	1515391	17.76	ug/l	97
74) N-amyl acetate	12.07	43	383608	18.35	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	327450	17.18	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	299880m	18.08	ug/l	
77) Bromobenzene	12.53	156	392174	17.40	ug/l	90
78) n-propylbenzene	12.59	91	1760896	18.79	ug/l	99
79) 2-Chlorotoluene	12.68	91	1066856	17.97	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	1300540	19.39	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	74972	14.29	ug/l	95
82) 4-Chlorotoluene	12.77	91	1081356	18.88	ug/l	97
83) tert-Butylbenzene	12.99	119	1077661	18.13	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1321048	19.82	ug/l	99
85) sec-Butylbenzene	13.17	105	1443106	18.24	ug/l	98
86) p-Isopropyltoluene	13.29	119	1267172	19.17	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	701941	18.93	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	690886	18.80	ug/l	100
89) n-Butylbenzene	13.62	91	986559	19.11	ug/l	97
90) Hexachloroethane	13.88	117	112068	7.52	ug/l	85
91) 1,2-Dichlorobenzene	13.65	146	694043	19.08	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	51346	17.28	ug/l	85

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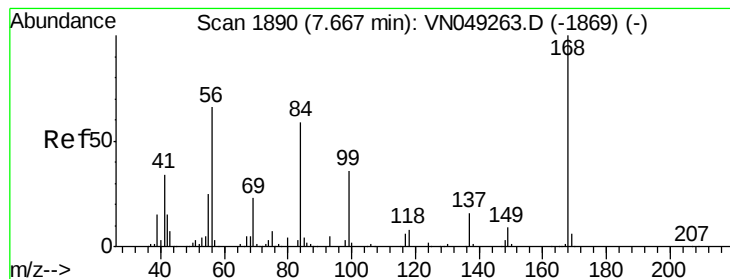
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	281891	20.05	ug/l	97
94) Hexachlorobutadiene	15.01	225	214863	18.48	ug/l	99
95) Naphthalene	15.14	128	569695	22.04	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	286064	19.80	ug/l	98

(#) = 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: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD02

Tot Ion:168 Resp: 1399985

Ion Ratio Lower Upper

168 100

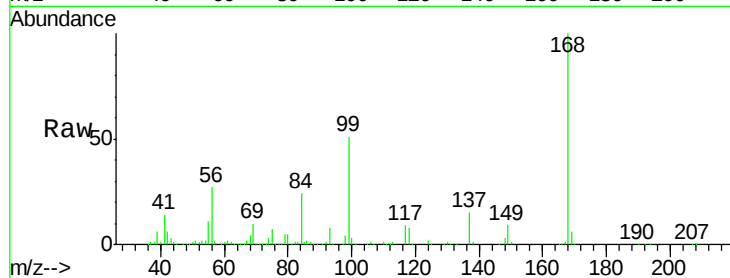
99 50.8 45.8 68.6

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

500000

400000

300000

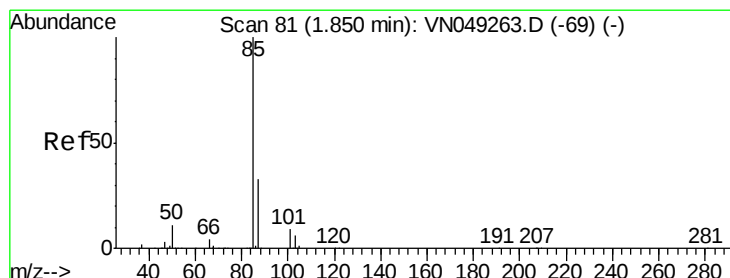
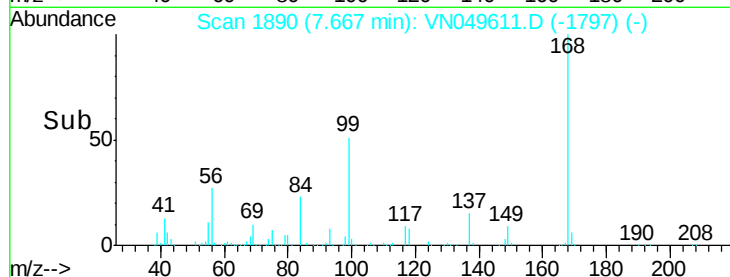
200000

100000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 20.39 ug/l

RT: 1.85 min Scan# 80

Delta R.T. -0.00 min

Lab File: VN049611.D

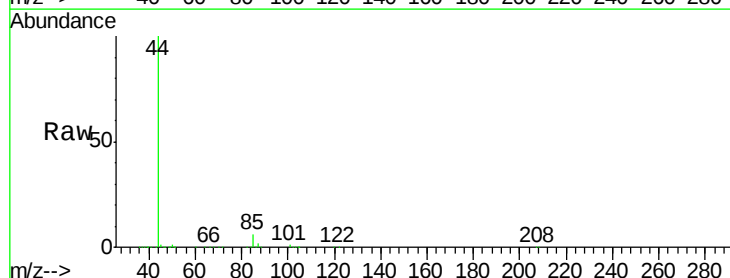
Acq: 29 Jun 2018 1:17

Tgt Ion: 85 Resp: 328514

Ion Ratio Lower Upper

85 100

87 32.6 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

150000

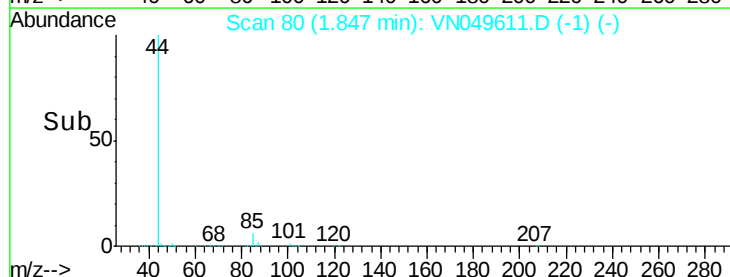
100000

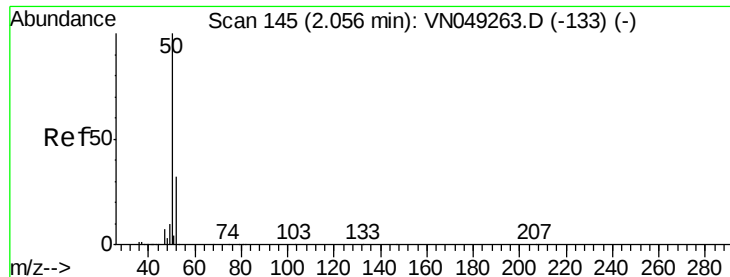
50000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.39 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD02

Tot Ion: 50 Resp: 382734

Ion Ratio Lower Upper

50 100

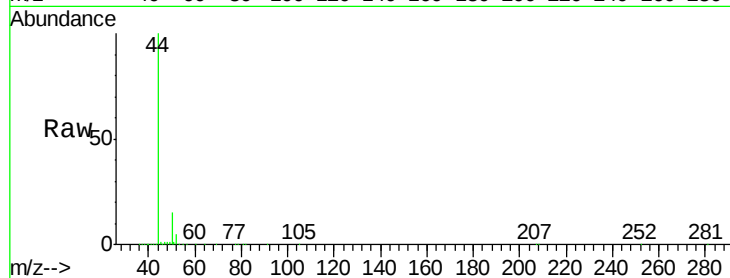
52 33.0 25.2 37.8

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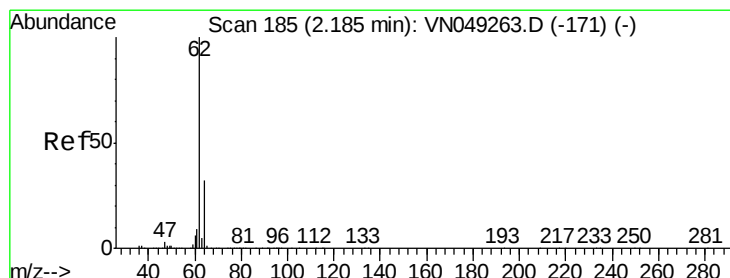
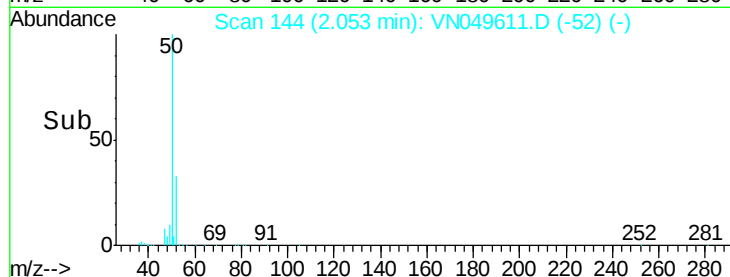
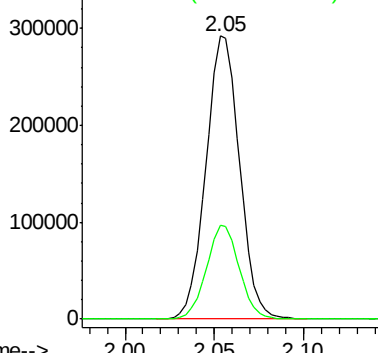
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.08 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049611.D

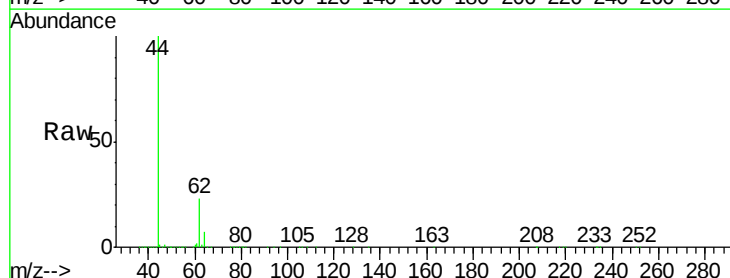
Acq: 29 Jun 2018 1:17

Tgt Ion: 62 Resp: 421915

Ion Ratio Lower Upper

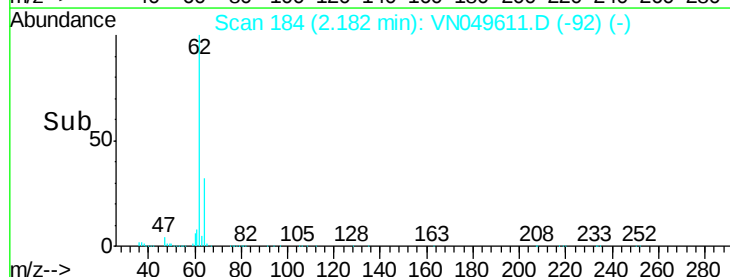
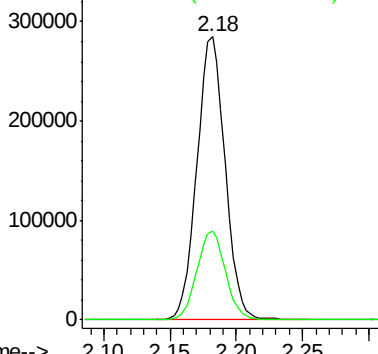
62 100

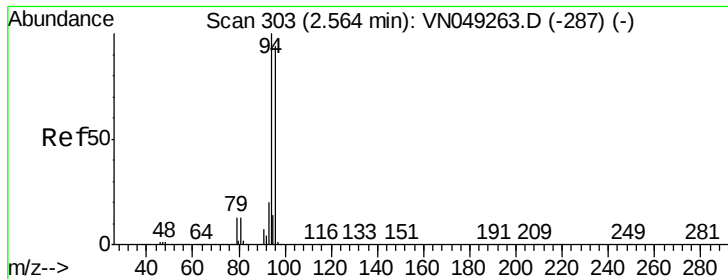
64 31.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.49 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD02

Tot Ion: 94 Resp: 203269

Ion Ratio Lower Upper

94 100

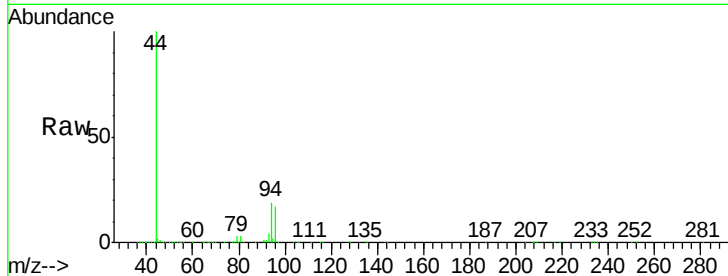
96 89.9 72.8 109.2

Manual Integrations

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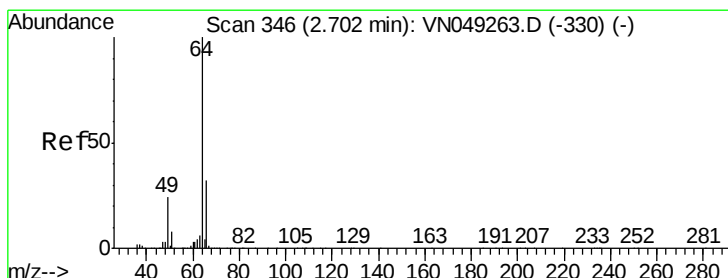
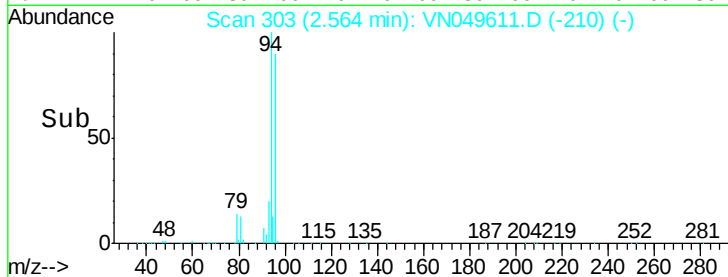
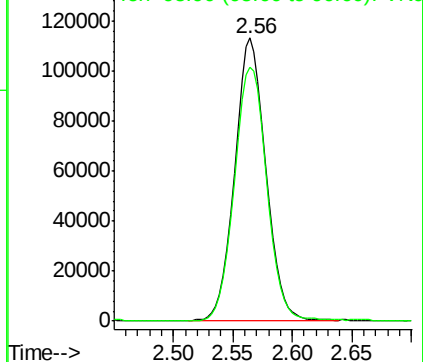
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.70 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049611.D

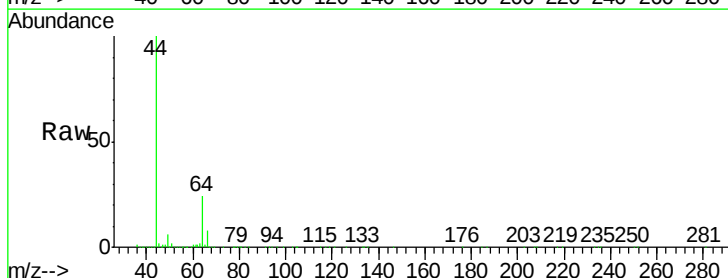
Acq: 29 Jun 2018 1:17

Tgt Ion: 64 Resp: 259732

Ion Ratio Lower Upper

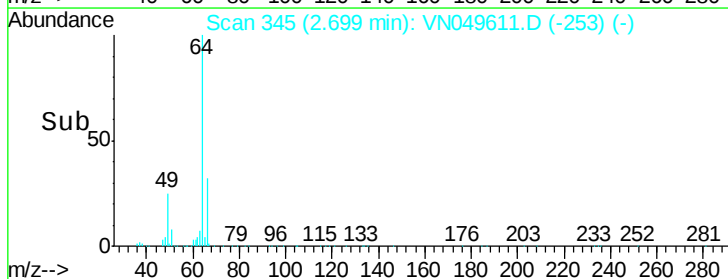
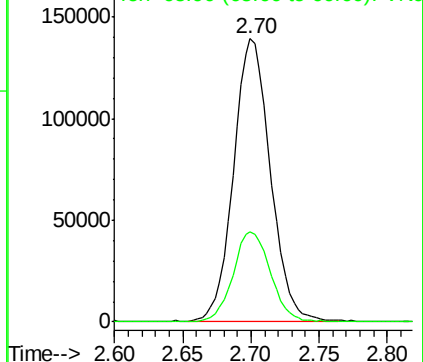
64 100

66 32.0 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: 16.29 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

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ClientSampleId :

VN0628WBSD02

Tot Ion:101 Resp: 449336

Ion Ratio Lower Upper

101 100

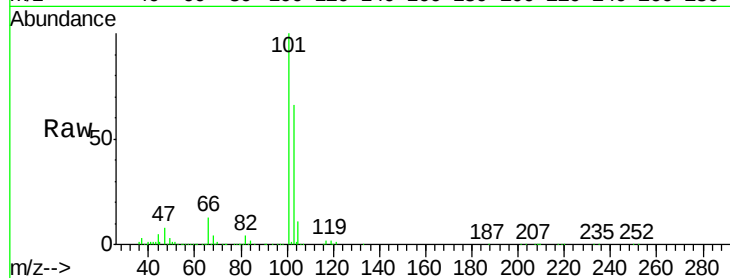
103 66.1 51.7 77.5

Manual Integrations

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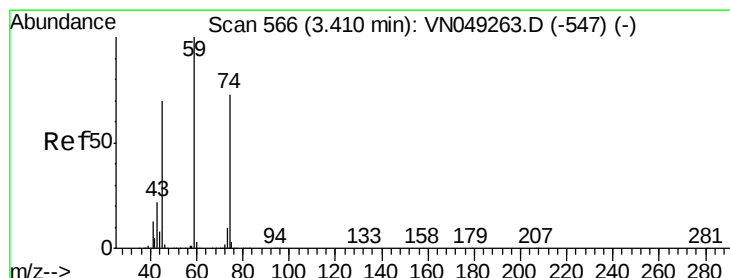
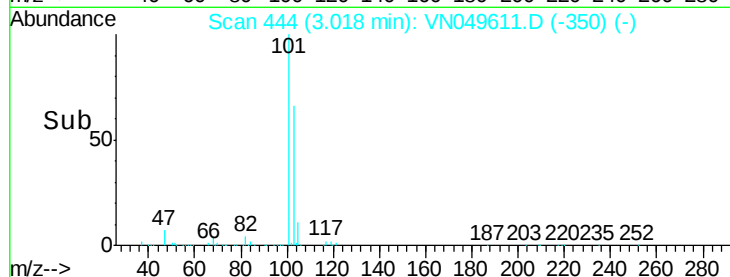
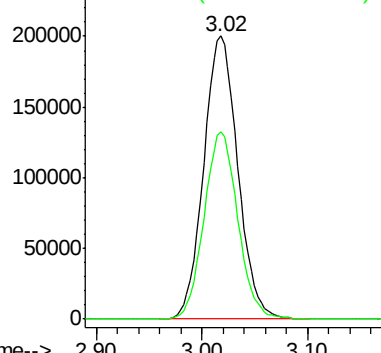
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 18.86 ug/l

RT: 3.41 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN049611.D

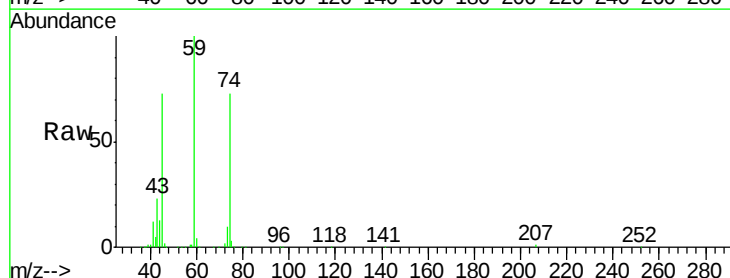
Acq: 29 Jun 2018 1:17

Tgt Ion: 74 Resp: 181656

Ion Ratio Lower Upper

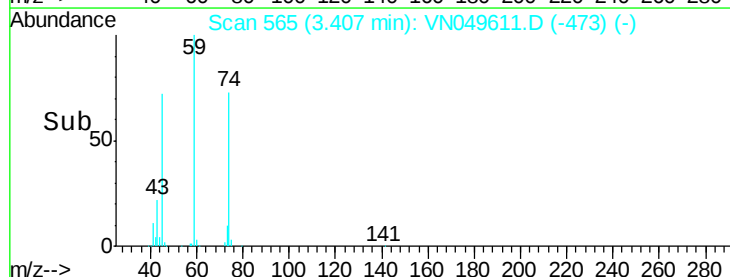
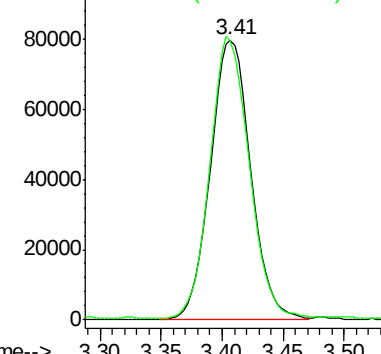
74 100

45 98.2 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.06 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

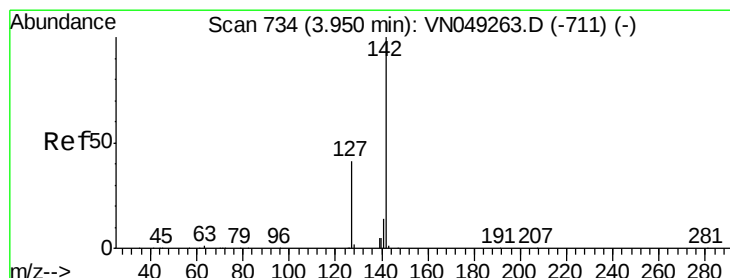
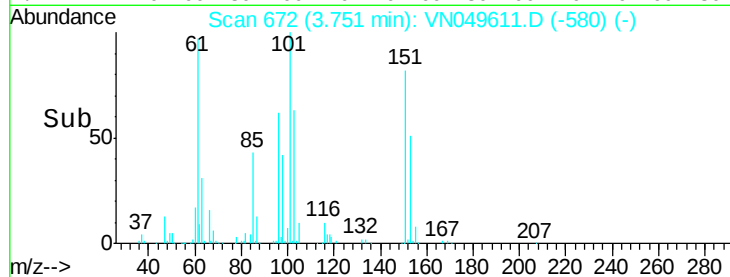
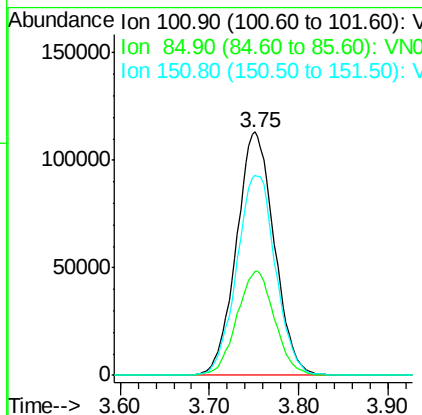
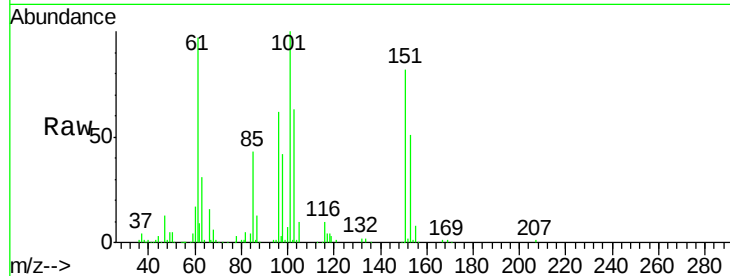
ClientSampleId :

VN0628WBSD02

Tot Ion:	101	Resp:	333461
Ion Ratio	Lower	Upper	
101	100		
85	42.7	37.6	56.4
151	84.3	61.1	91.7

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#10

Methyl Iodide

Concen: 23.69 ug/l

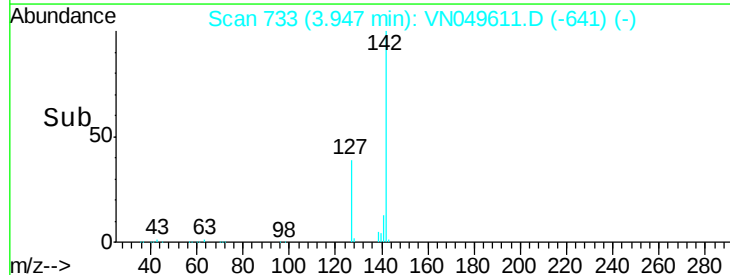
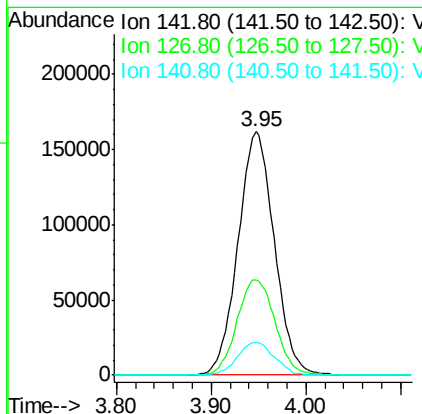
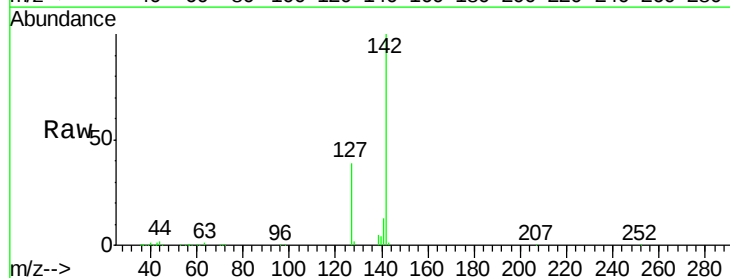
RT: 3.95 min Scan# 733

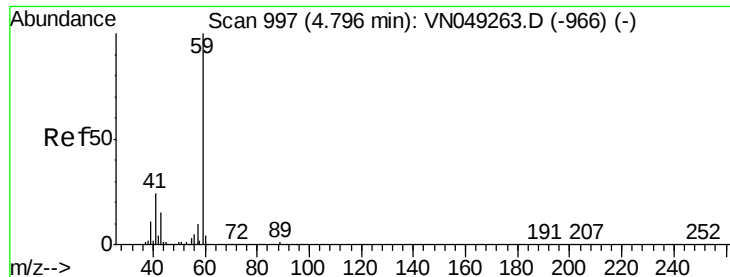
Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Tgt Ion:	142	Resp:	431430
Ion Ratio	Lower	Upper	
142	100		
127	41.2	38.2	57.4
141	13.8	11.9	17.9





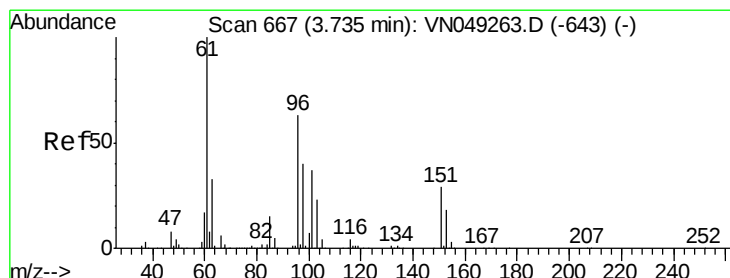
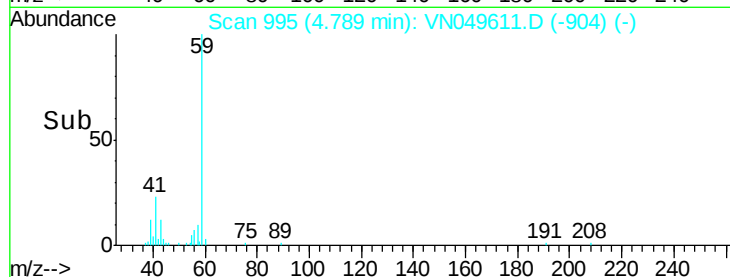
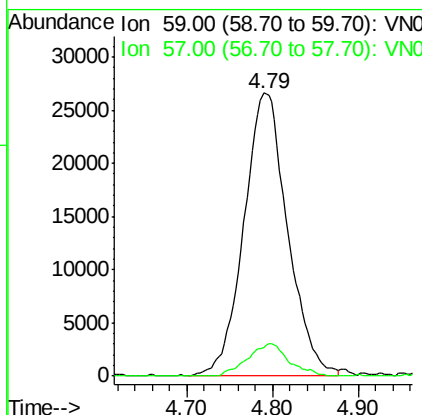
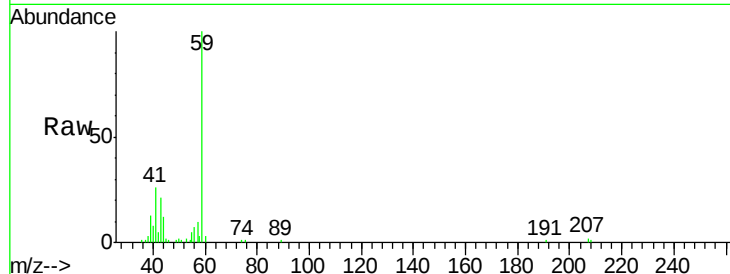
#11
Tert butyl alcohol
Concen: 86.42 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.6

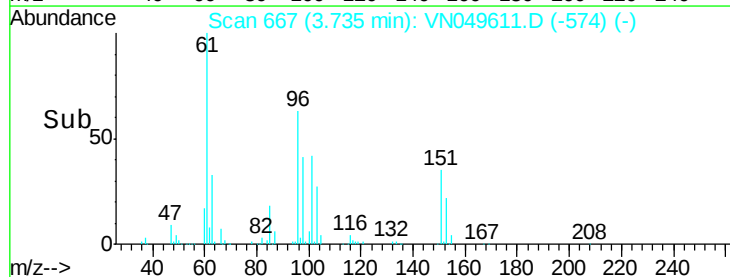
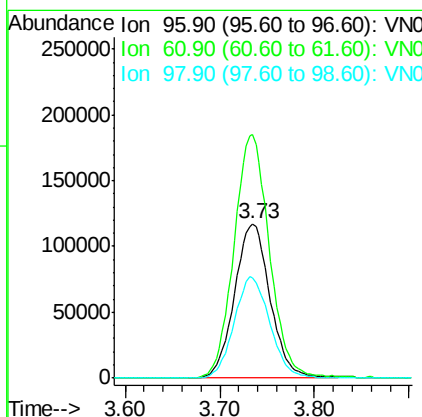
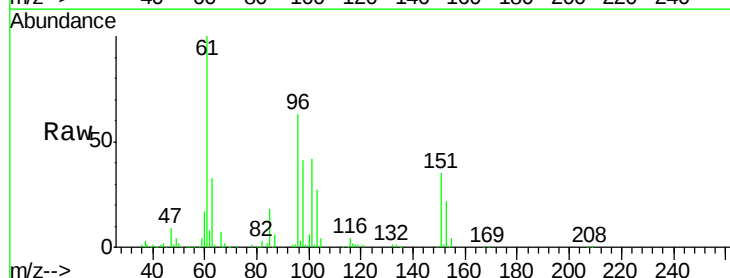
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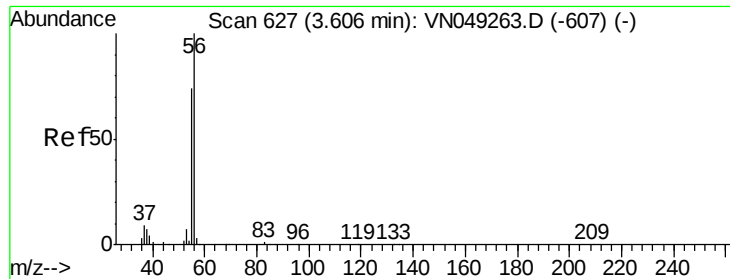
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#12
1,1-Dichloroethene
Concen: 19.10 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.7	141.0	211.4
98	64.9	50.4	75.6





#13

Acrolein

Concen: 88.85 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD02

Tot Ion: 56 Resp: 101544

Ion Ratio Lower Upper

56 100

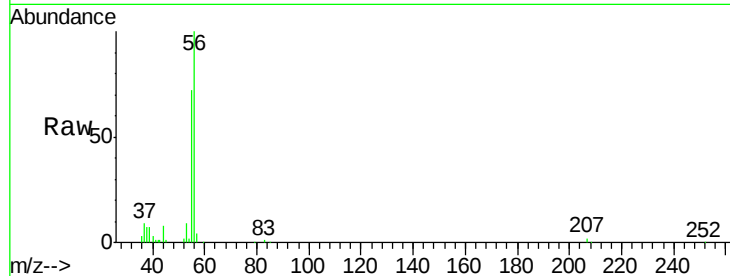
55 69.2 57.1 85.7

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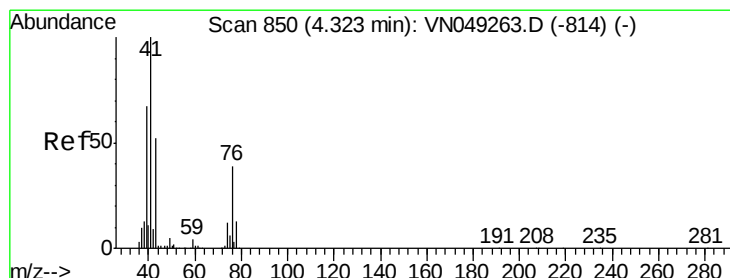
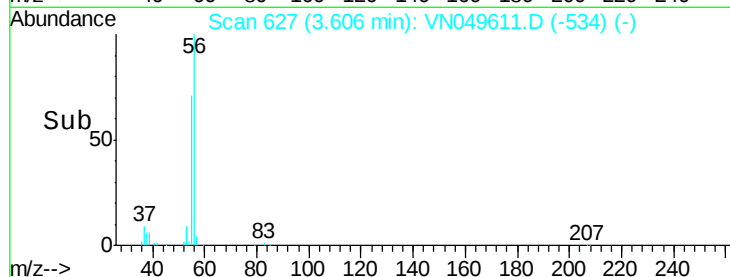
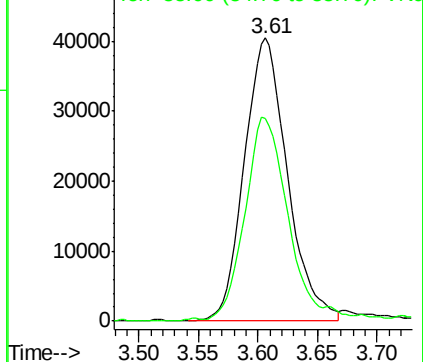
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 16.99 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

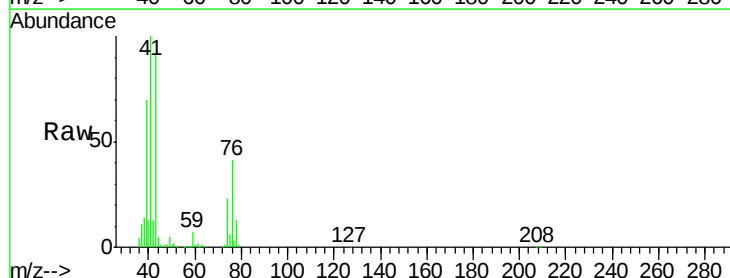
Tgt Ion: 41 Resp: 430669

Ion Ratio Lower Upper

41 100

39 67.3 62.5 93.7

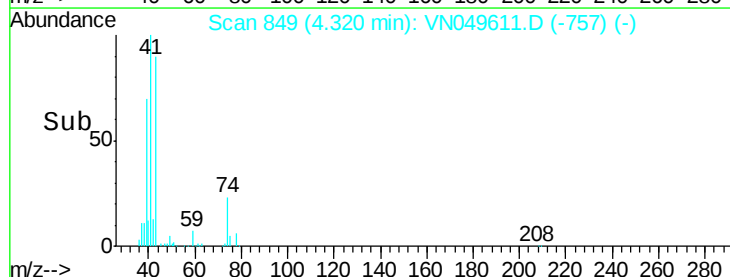
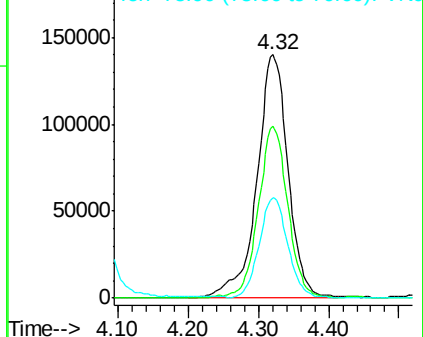
76 37.3 27.1 40.7

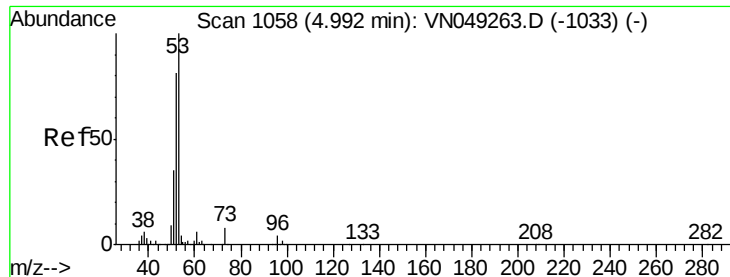


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





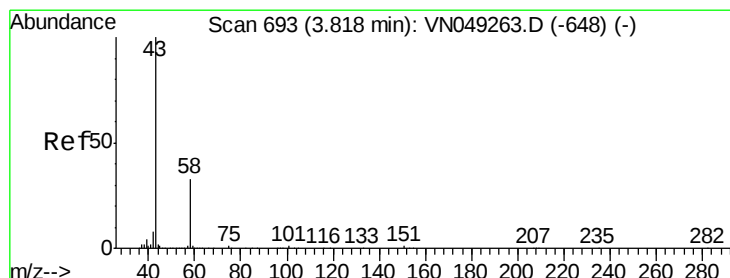
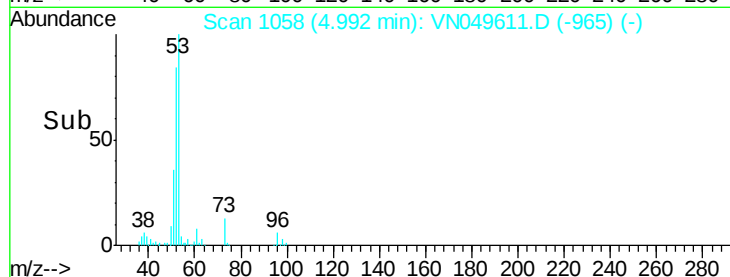
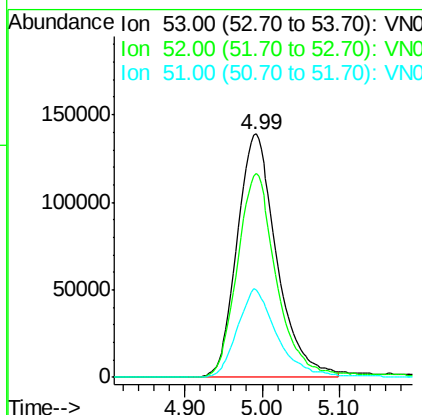
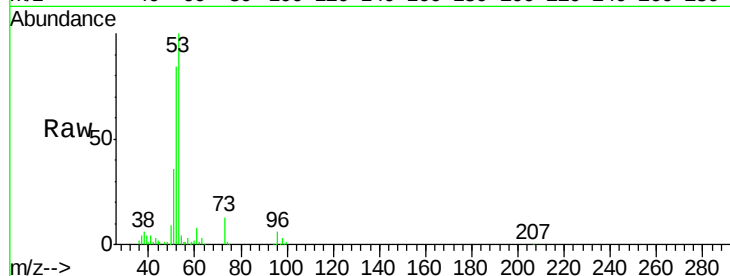
#15
 Acrylonitrile
 Concen: 90.71 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	36.4	29.8	44.8

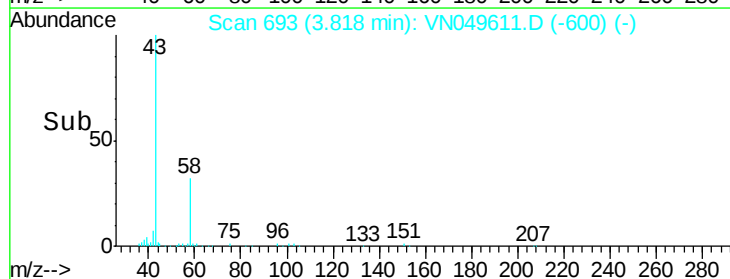
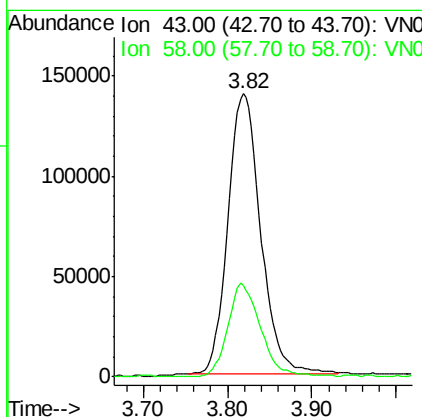
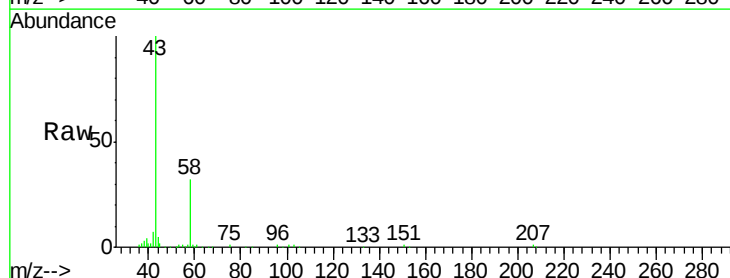
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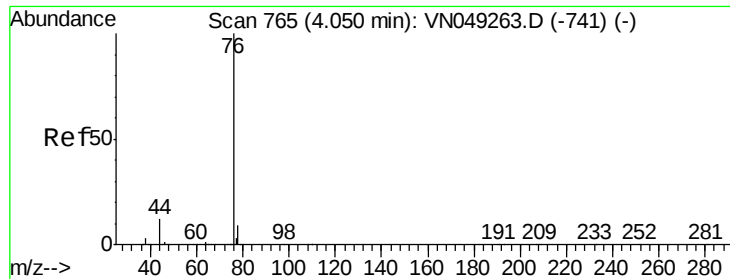
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#16
 Acetone
 Concen: 83.48 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.5	22.4	33.6





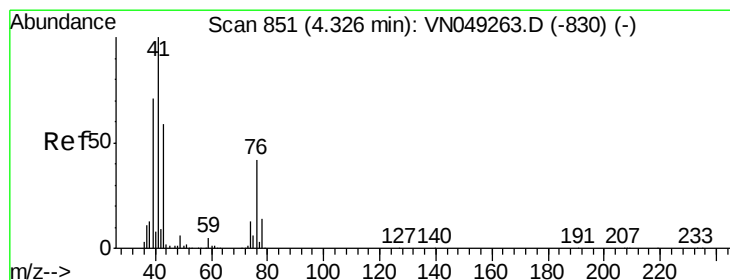
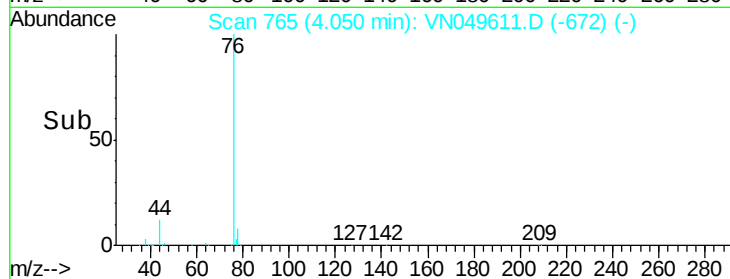
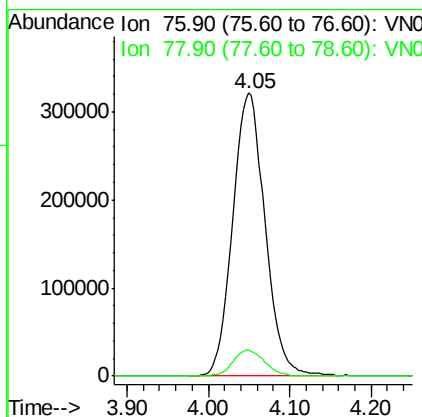
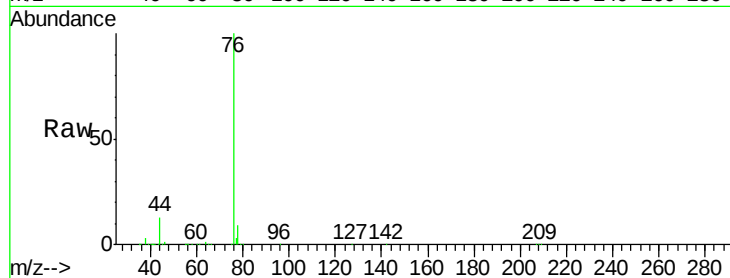
#17
Carbon Disulfide
Concen: 17.65 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

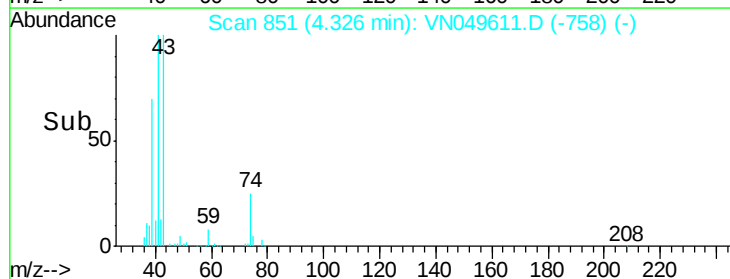
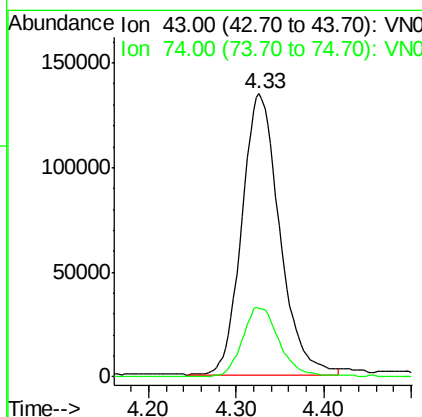
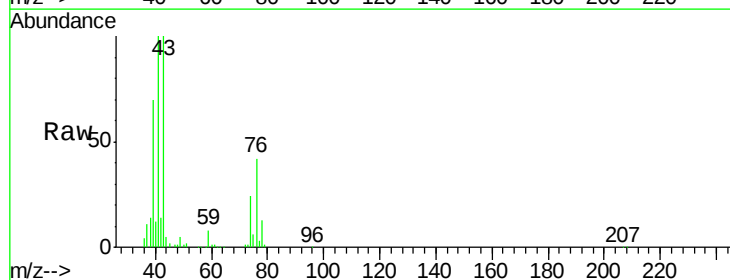
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#18
Methyl Acetate
Concen: 29.26 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	17.4	26.0





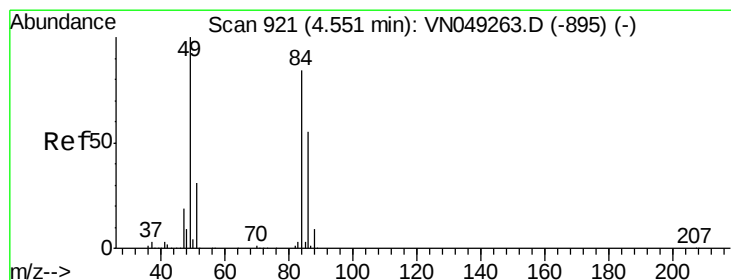
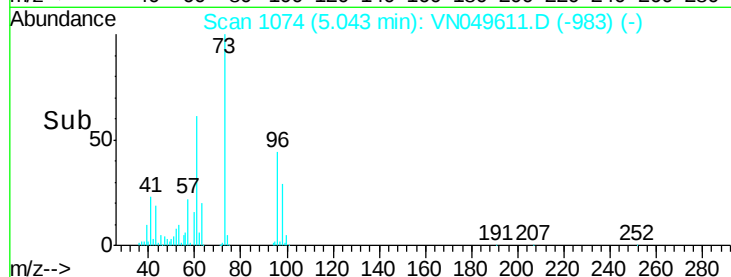
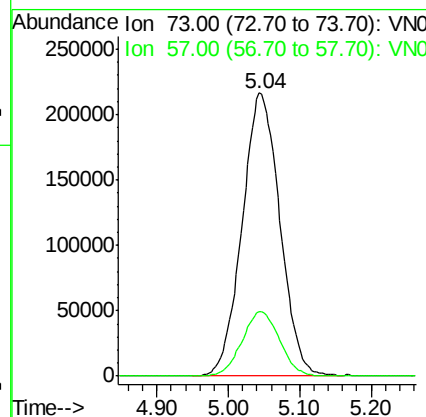
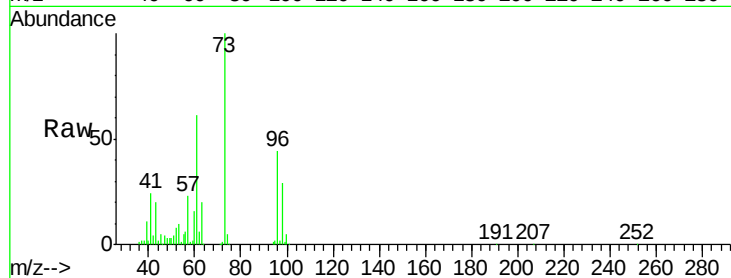
#19
Methvl tert-butvl Ether
Concen: 19.48 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.2	27.4

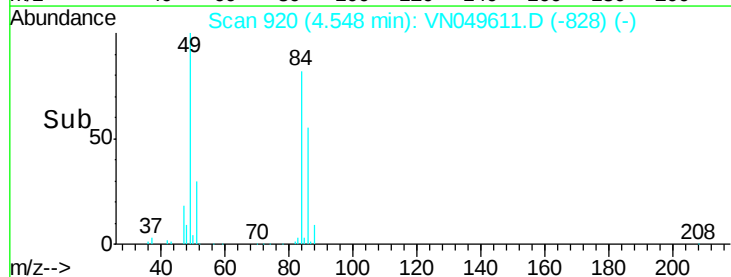
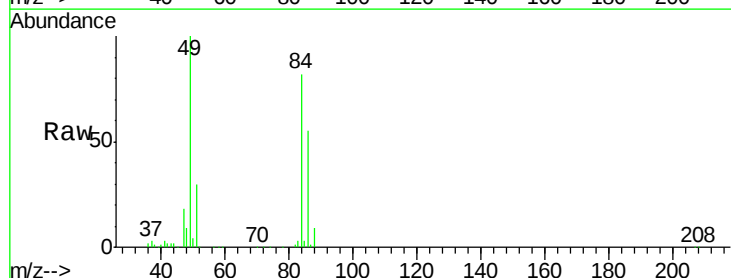
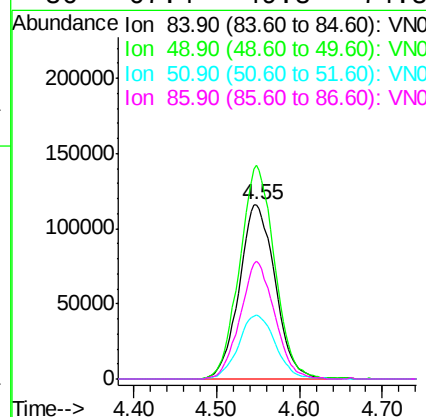
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#20
Methylene Chloride
Concen: 18.57 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	122.3	106.9	160.3
51	36.7	32.7	49.1
86	67.4	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 18.73 ug/l

RT: 5.04 min Scan# 1072

Delta R.T. -0.01 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

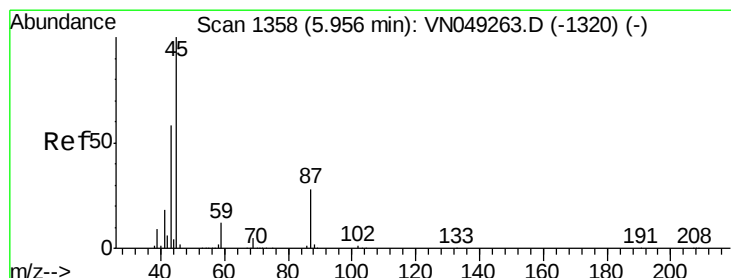
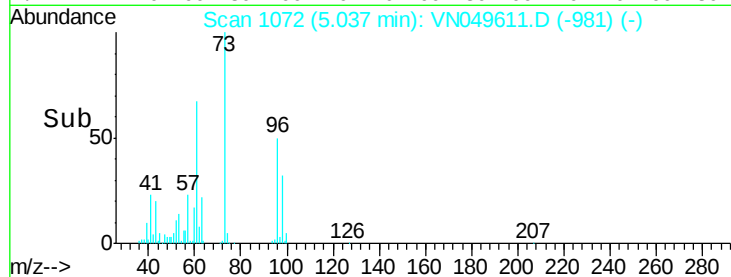
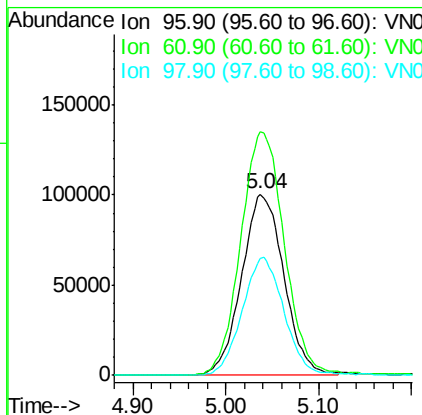
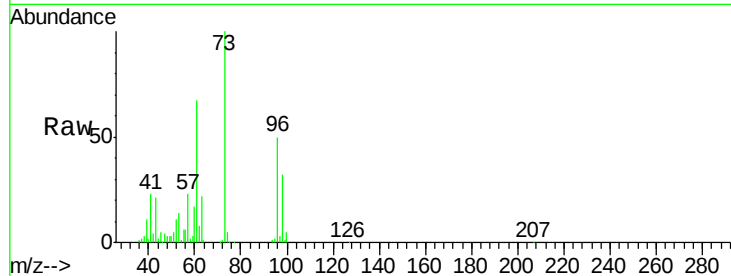
ClientSampleId :

VN0628WBSD02

Tot Ion:	96	Resp:	318233
Ion	Ratio	Lower	Upper
96	100		
61	134.1	121.3	181.9
98	64.7	52.0	78.0

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#22

Diisopropyl ether

Concen: 20.01 ug/l

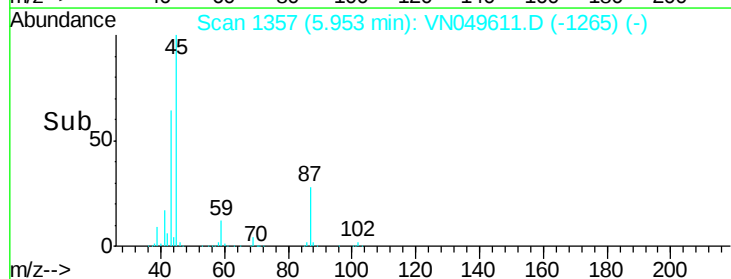
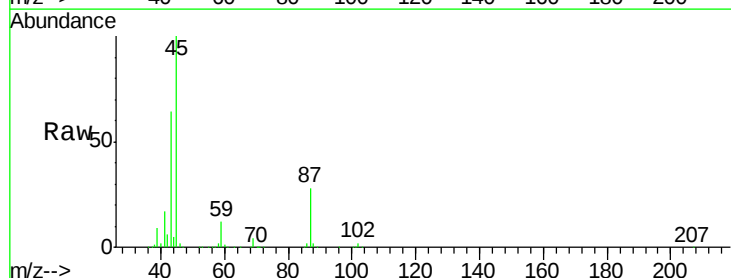
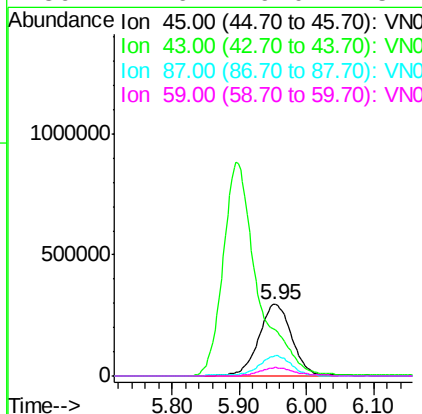
RT: 5.95 min Scan# 1357

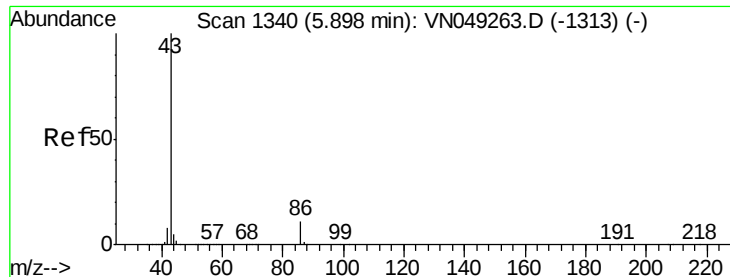
Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Tgt Ion:	45	Resp:	1012662
Ion	Ratio	Lower	Upper
45	100		
43	63.4	48.6	72.8
87	27.6	20.2	30.2
59	11.6	9.0	13.4





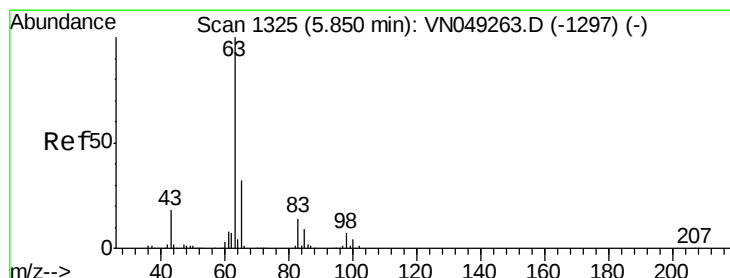
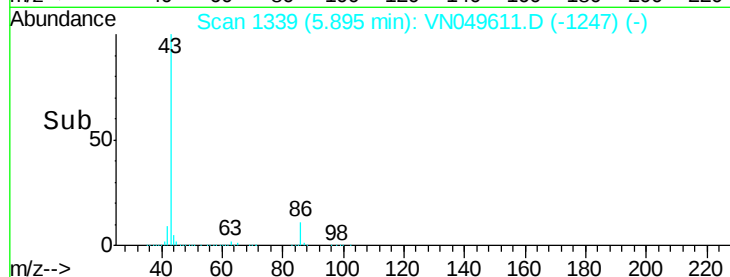
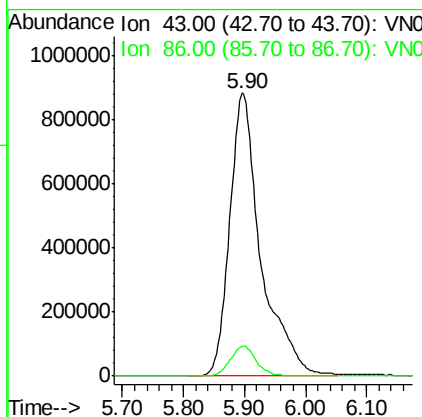
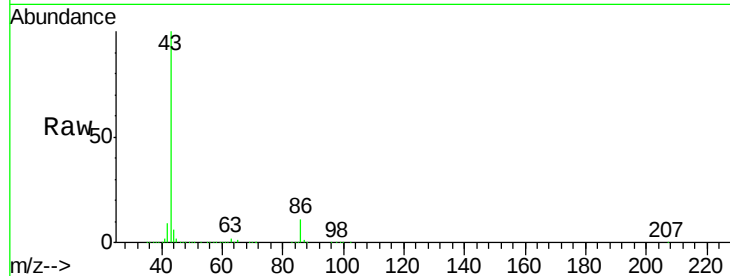
#23
 Vinyl Acetate
 Concen: 95.07 ug/l
 RT: 5.90 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0628WBSD02

Tot Ion: 43 Resp: 3136750
 Ion Ratio Lower Upper
 43 100
 86 10.6 7.2 10.8

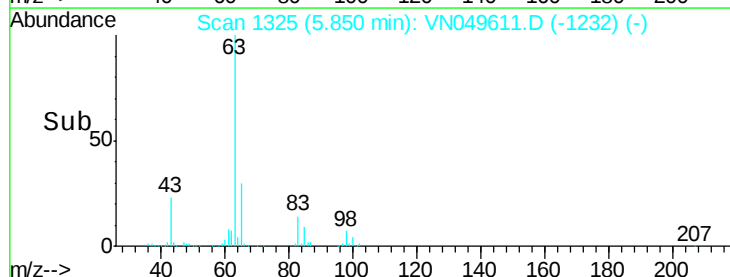
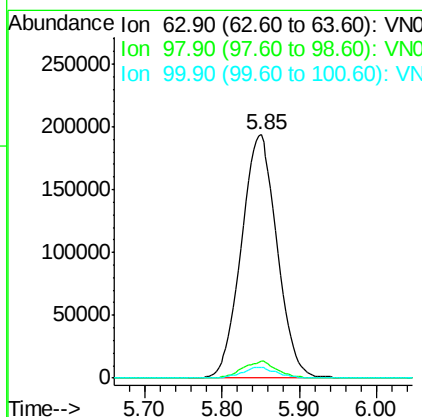
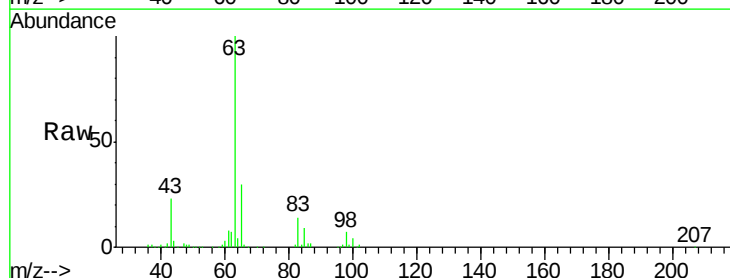
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#24
 1,1-Dichloroethane
 Concen: 19.21 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Tgt Ion: 63 Resp: 622431
 Ion Ratio Lower Upper
 63 100
 98 7.1 2.9 8.8
 100 4.3 2.1 6.3





#25

2-Butanone

Concen: 87.03 ug/l

RT: 6.84 min Scan# 1632

Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD02

Tot Ion: 43 Resp: 526874

Ion Ratio Lower Upper

43 100

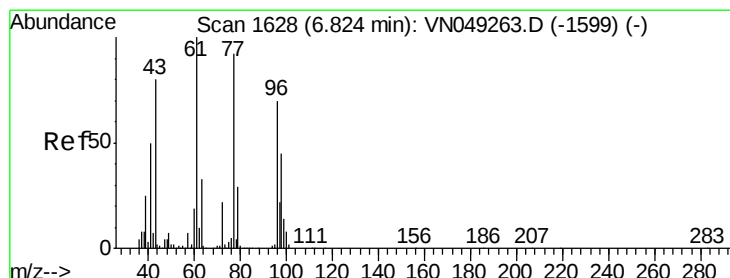
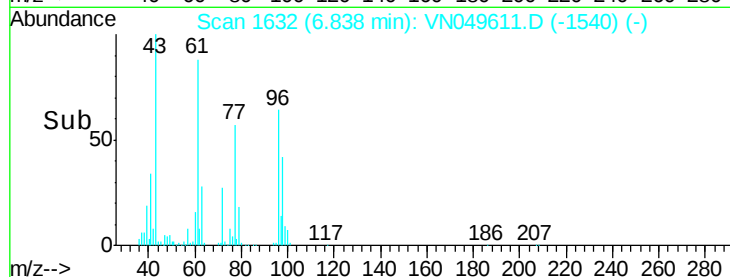
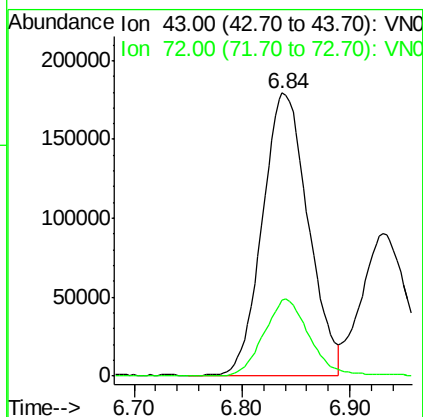
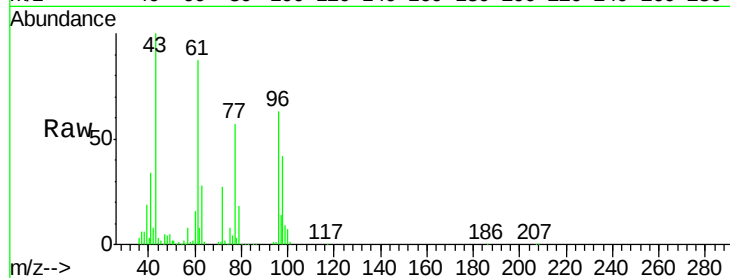
72 27.0 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.17 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049611.D

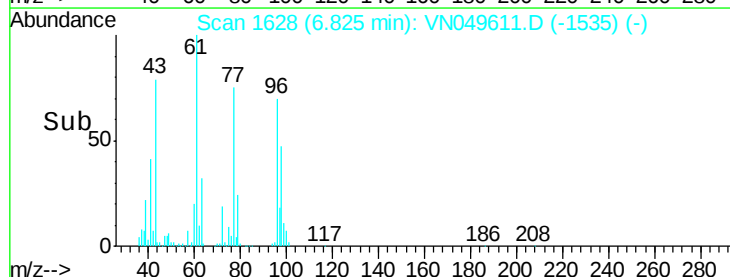
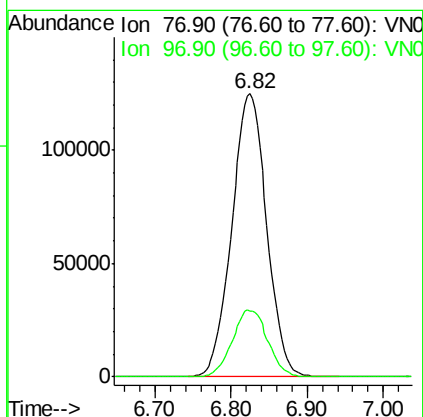
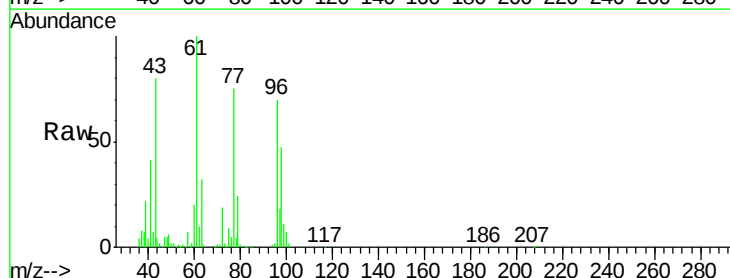
Acq: 29 Jun 2018 1:17

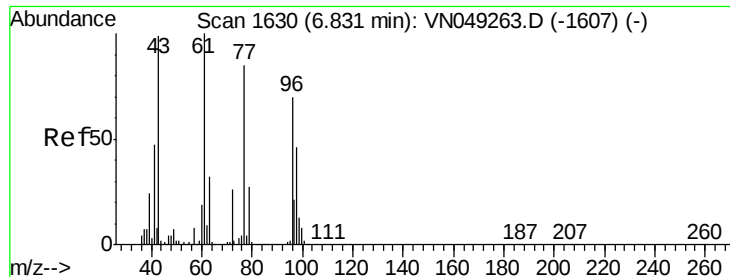
Tgt Ion: 77 Resp: 396929

Ion Ratio Lower Upper

77 100

97 24.0 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.39 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

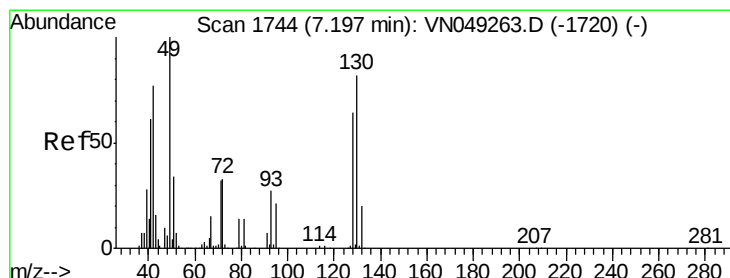
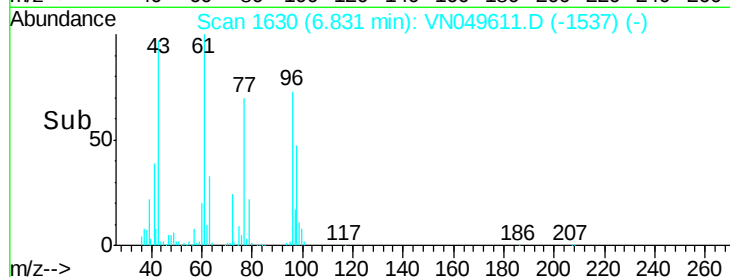
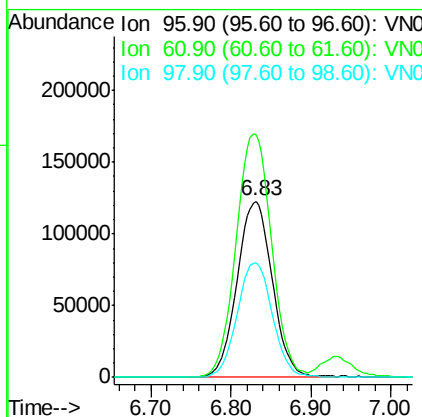
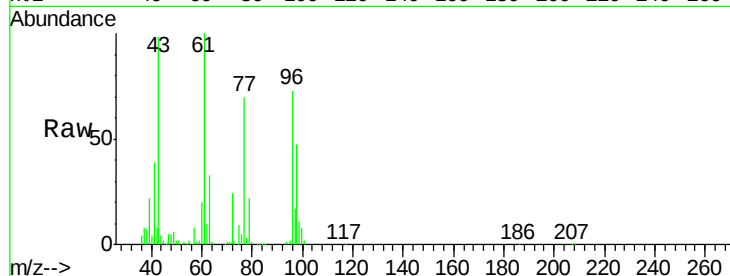
ClientSampleId :

VN0628WBSD02

Tot Ion:	96	Resp:	366332
Ion	Ratio	Lower	Upper
96	100		
61	139.4	0.0	316.4
98	65.1	0.0	128.4

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#28

Bromochloromethane

Concen: 18.37 ug/l

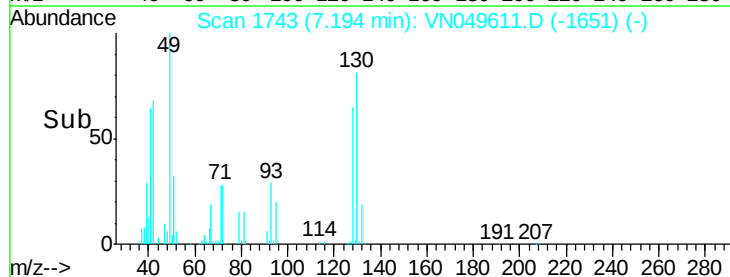
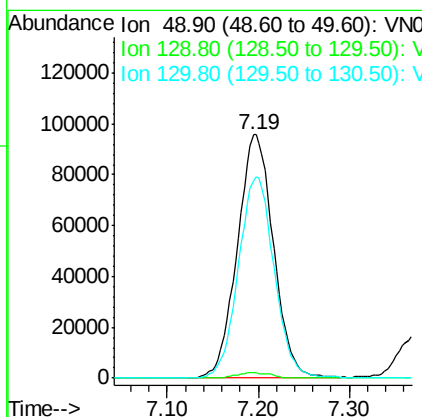
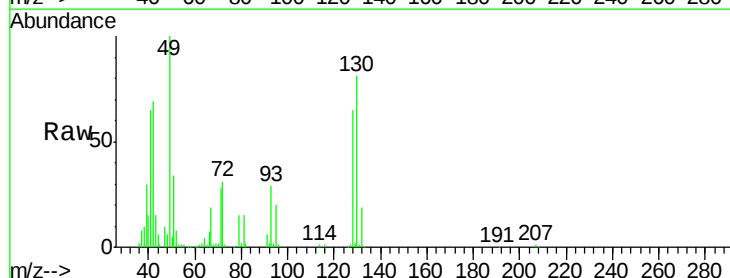
RT: 7.19 min Scan# 1743

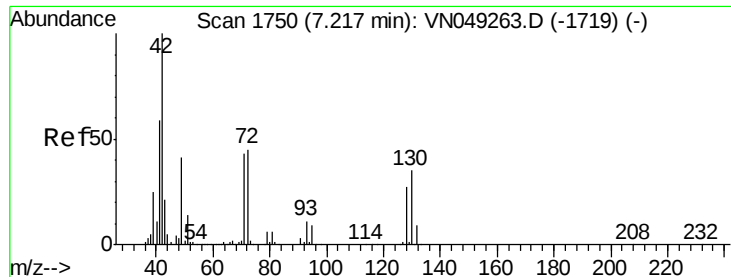
Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Tgt Ion:	49	Resp:	263848
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	81.9	54.9	82.3





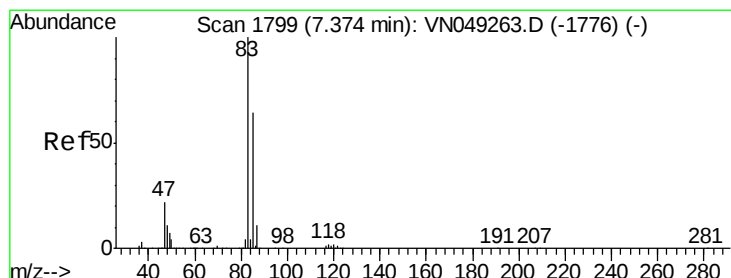
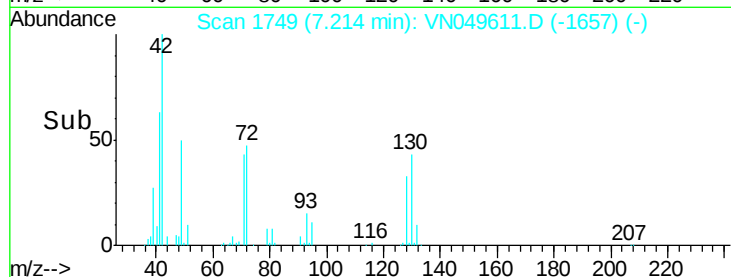
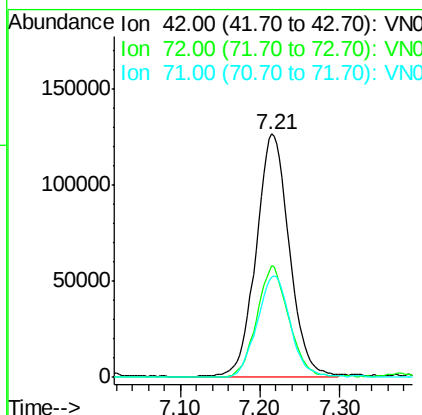
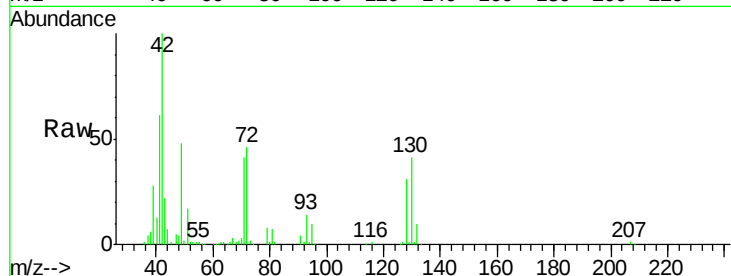
#29
Tetrahydrofuran
Concen: 92.24 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.4	32.2	48.4
71	41.8	30.5	45.7

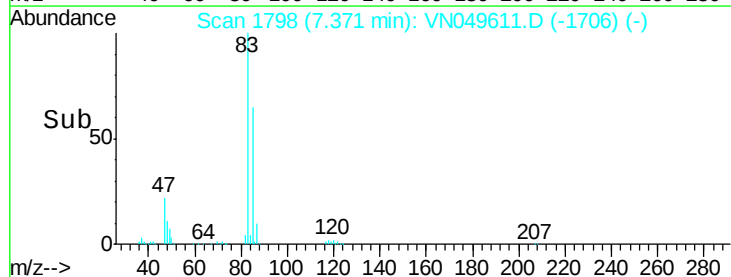
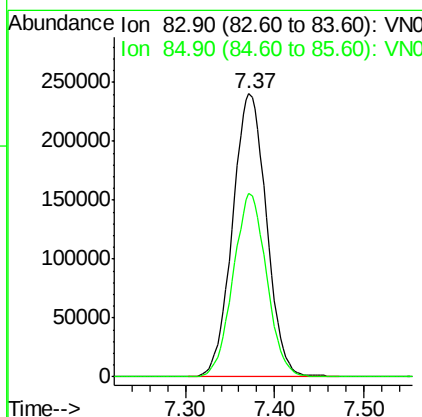
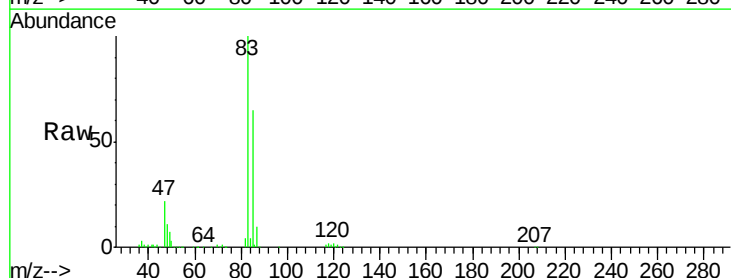
Manual Integrations
APPROVED

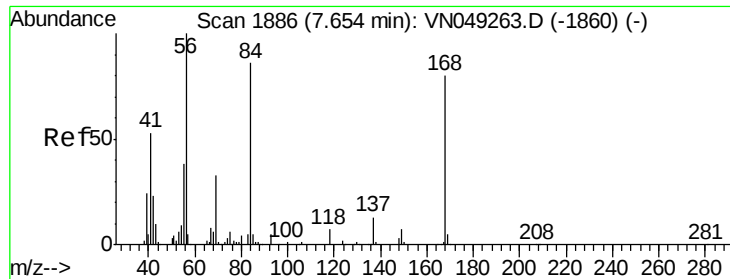
MMDadoda
6/29/2018 1:46:49 PM



#30
Chloroform
Concen: 19.73 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.7	77.5





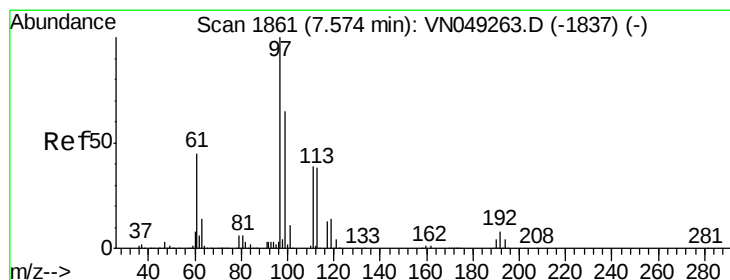
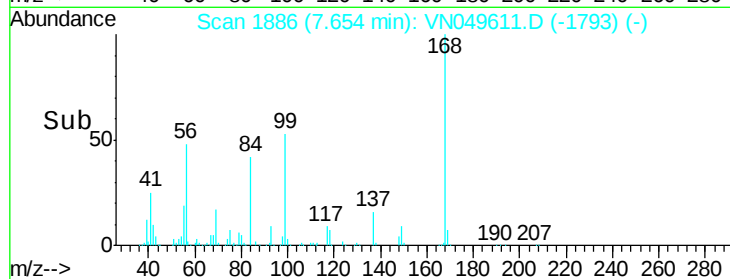
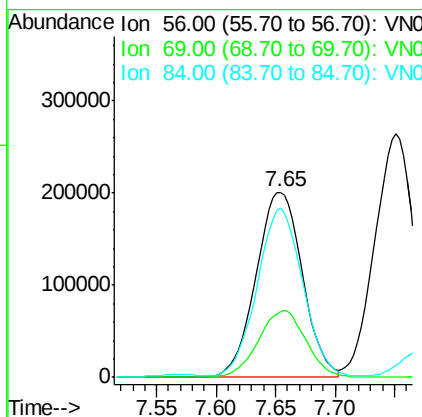
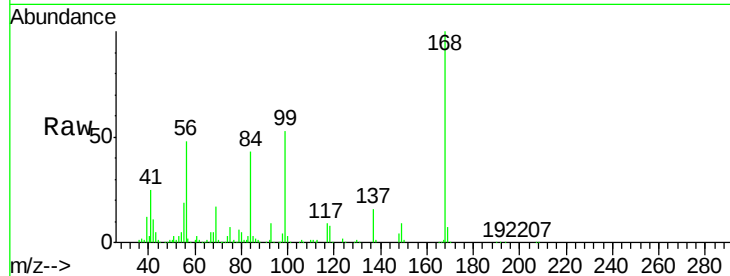
#31
Cyclohexane
Concen: 19.63 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.0	37.4
84	89.5	64.6	96.8

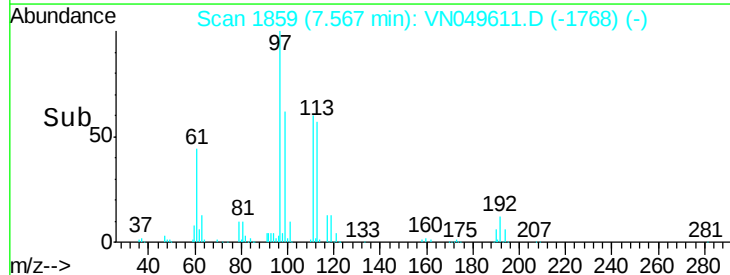
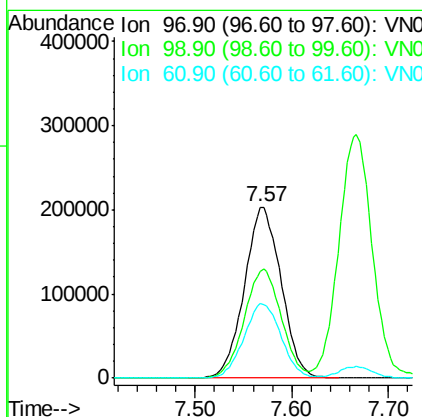
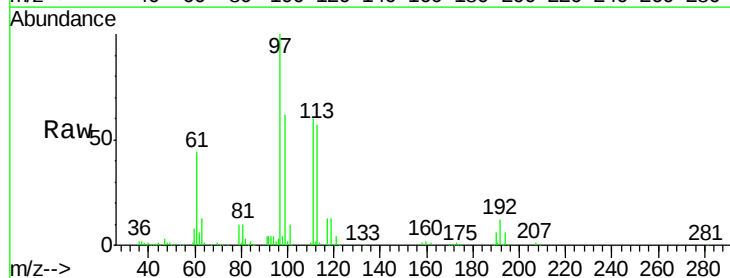
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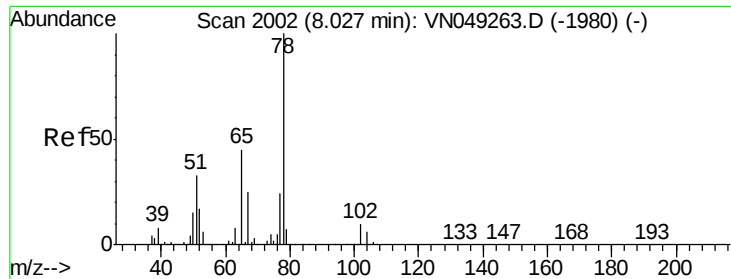
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.48 ug/l
RT: 7.57 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.5	75.7
61	44.2	37.9	56.9





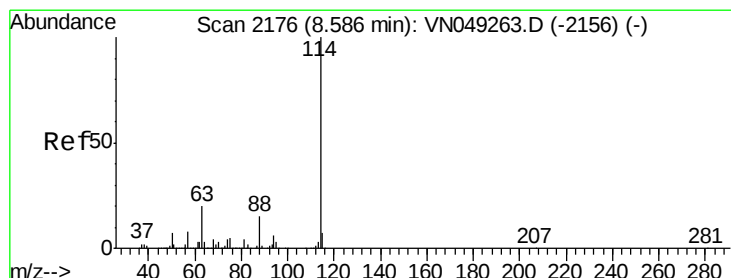
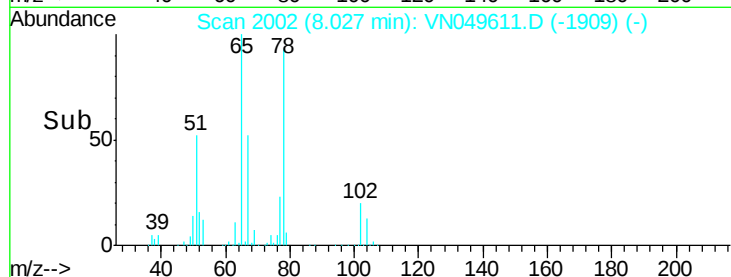
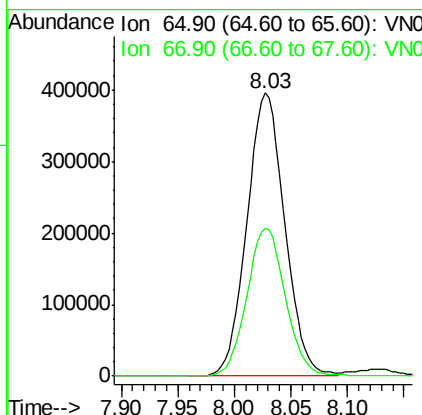
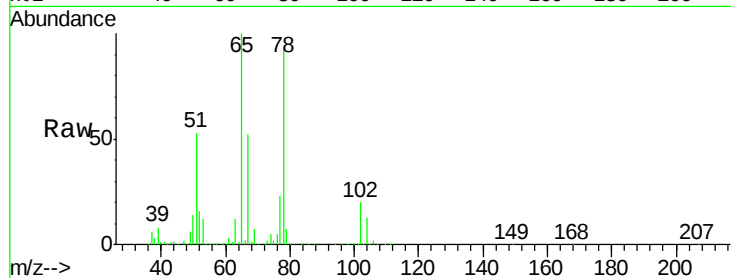
#33
 1,2-Dichloroethane-d4
 Concen: 49.61 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	921123		
67	53.1	0.0	103.8	

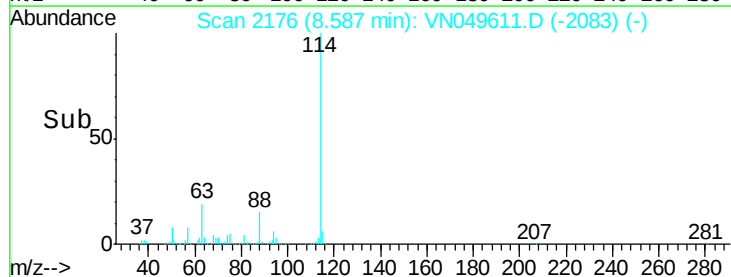
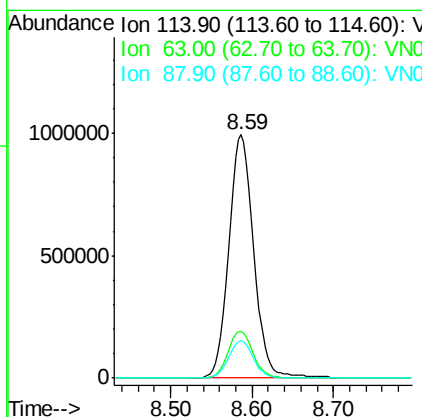
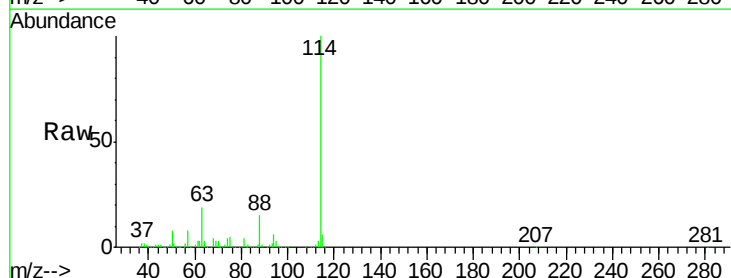
Manual Integrations
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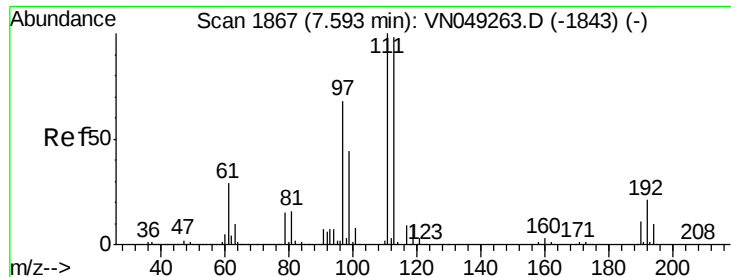
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2135037		
63	19.2	0.0	44.4	
88	15.4	0.0	31.4	





#35

Dibromofluoromethane

Concen: 46.79 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

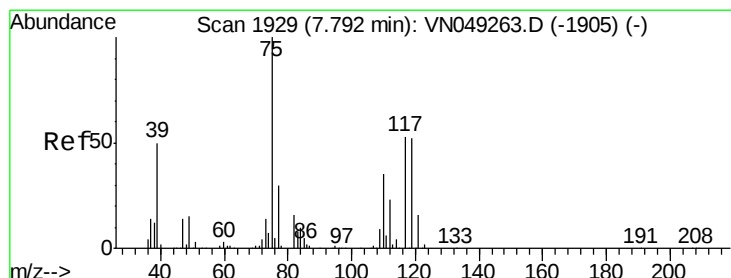
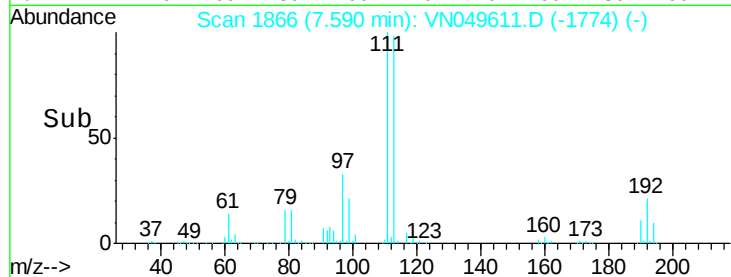
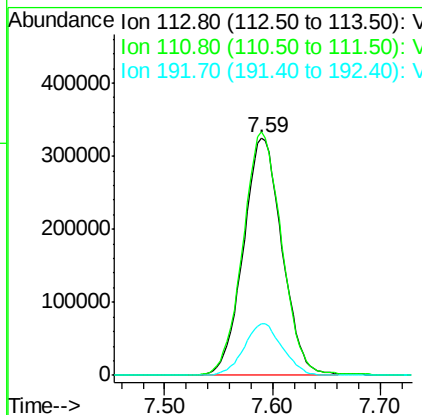
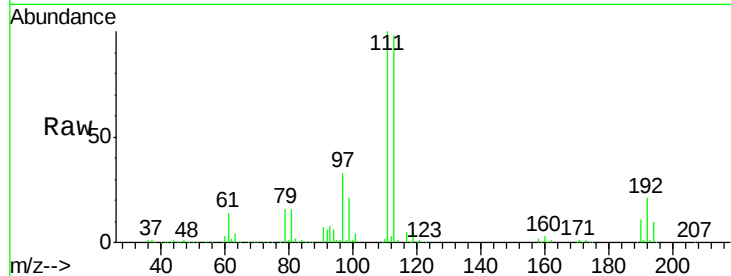
ClientSampleId :

VN0628WBSD02

Tot Ion:	113	Resp:	808225
Ion Ratio	Lower	Upper	
113	100		
111	103.4	82.4	123.6
192	21.7	15.0	22.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.83 ug/l

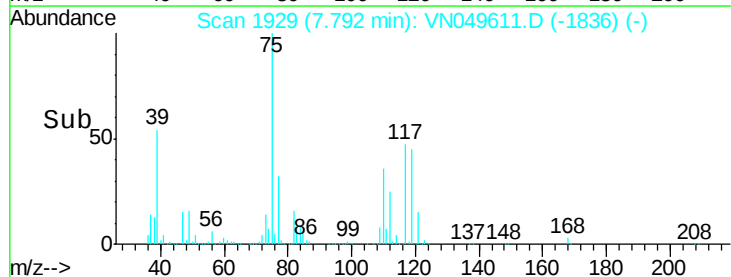
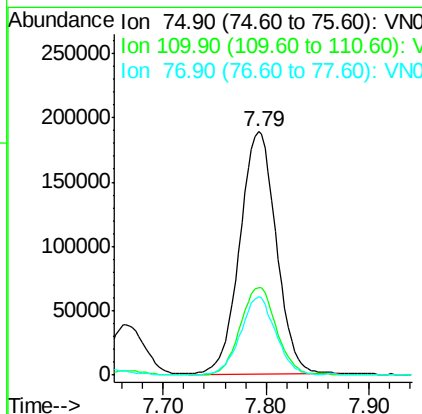
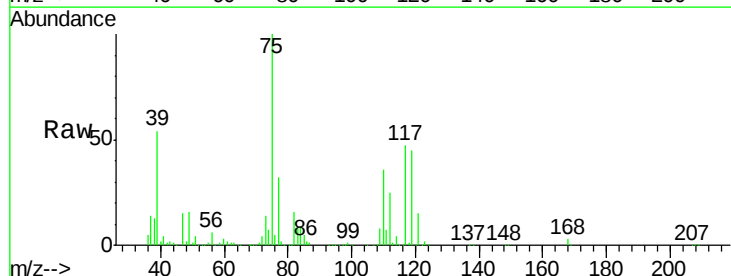
RT: 7.79 min Scan# 1929

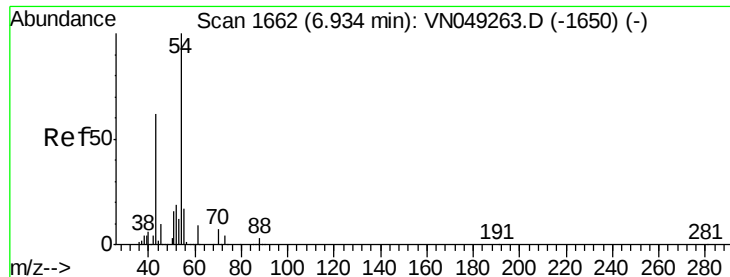
Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Tgt Ion:	75	Resp:	460653
Ion Ratio	Lower	Upper	
75	100		
110	36.0	17.0	50.9
77	31.3	24.4	36.6





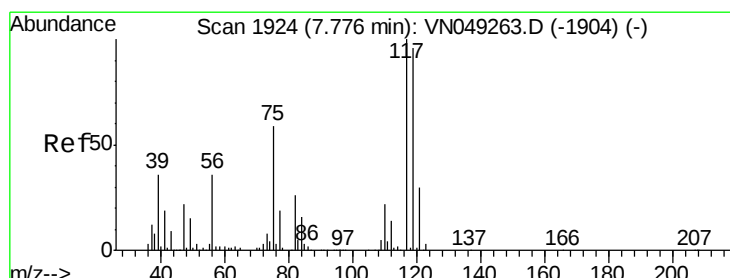
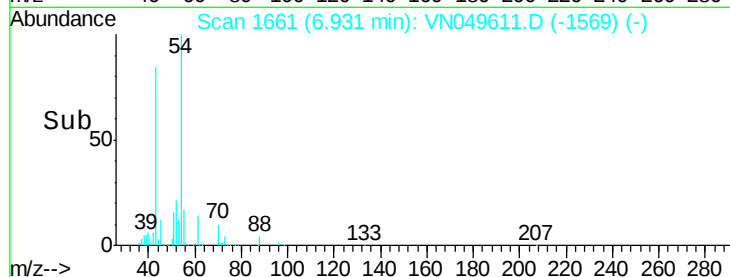
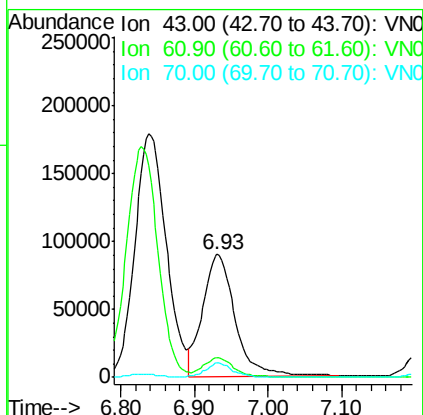
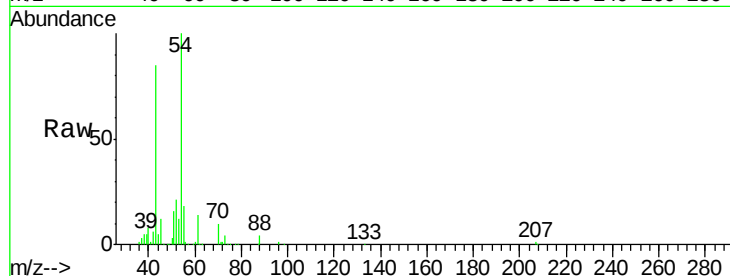
#37
Ethyl Acetate
Concen: 20.53 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.0	16.4
70	9.1	7.2	10.8

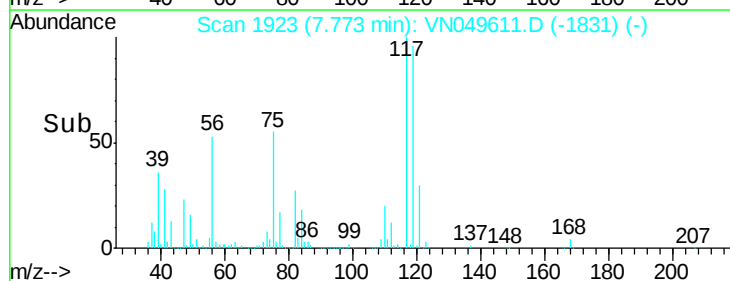
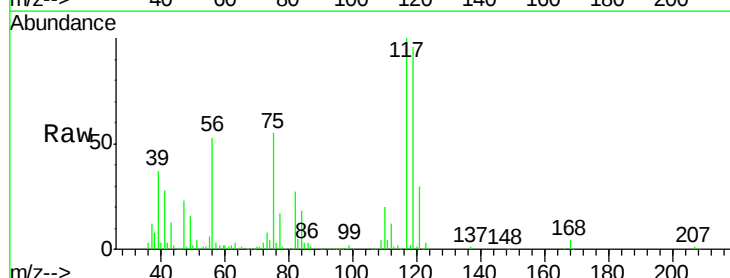
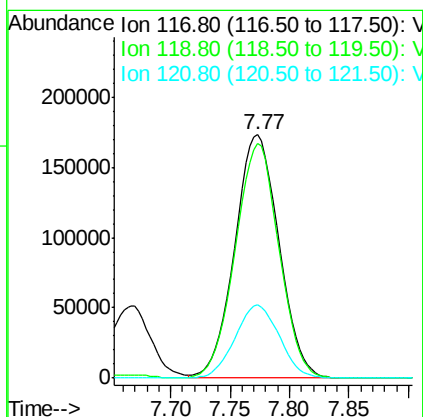
Manual Integrations
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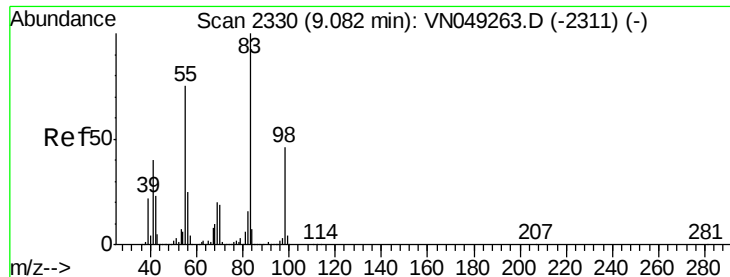
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#38
Carbon Tetrachloride
Concen: 17.48 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.6	113.4
121	30.0	24.7	37.1





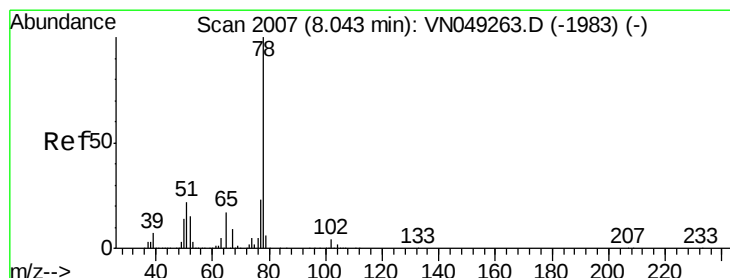
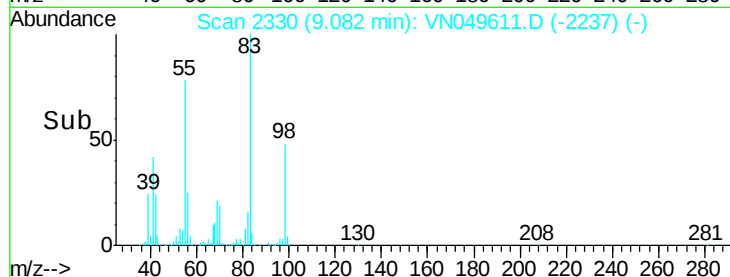
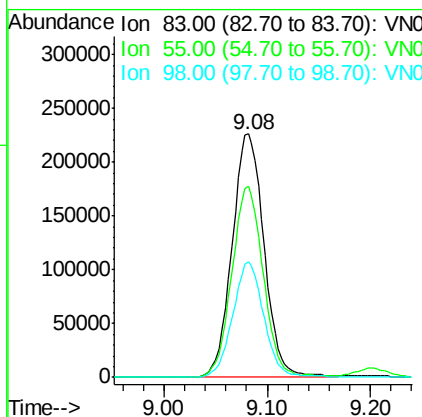
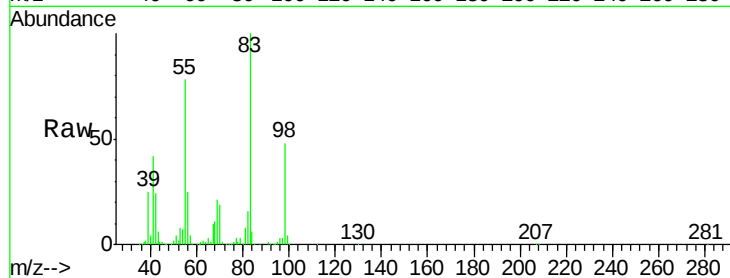
#39
Methvlcvclohexane
Concen: 18.65 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	65.1	97.7
98	47.7	36.5	54.7

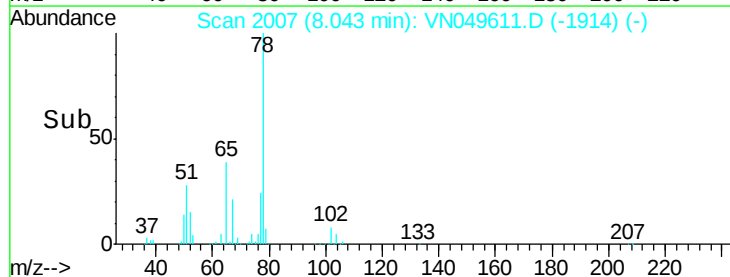
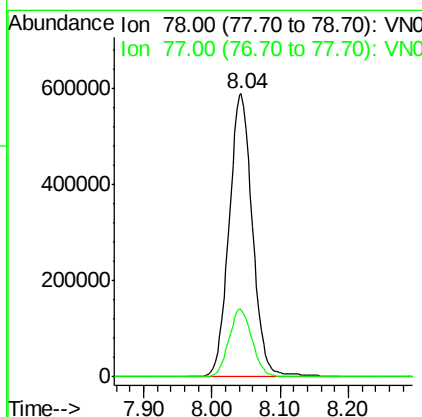
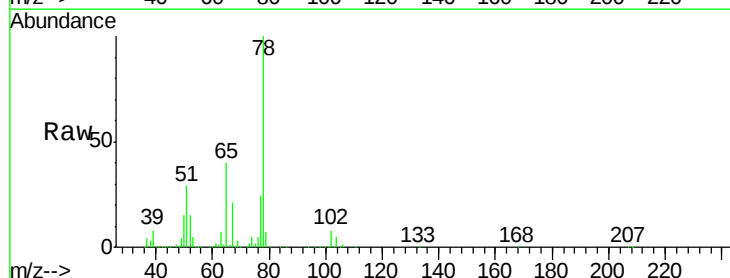
Manual Integrations
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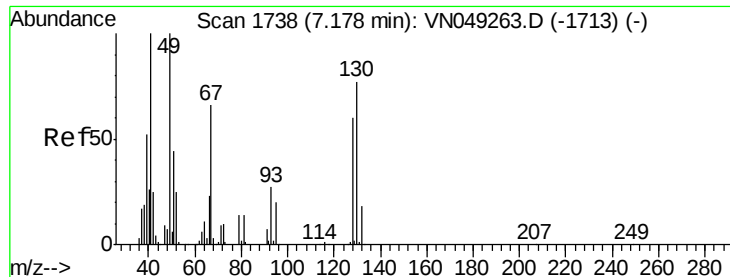
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#40
Benzene
Concen: 18.69 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





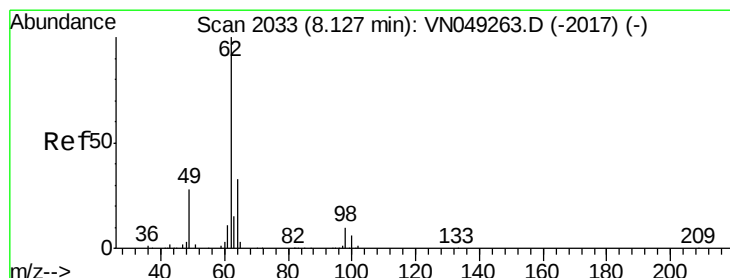
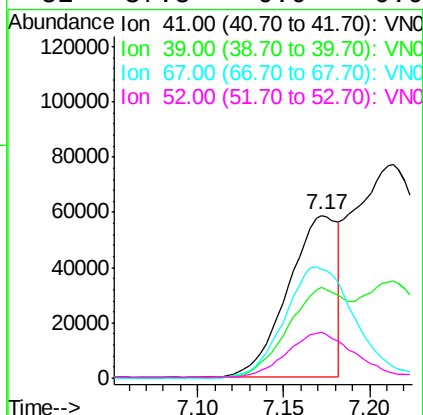
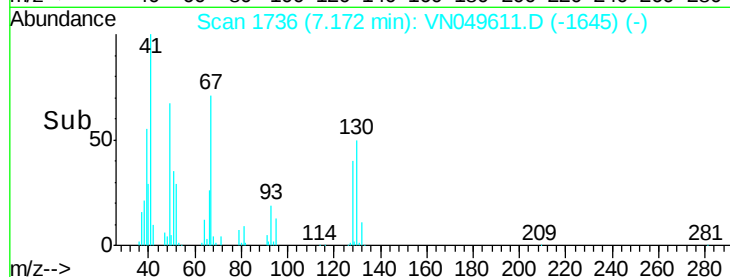
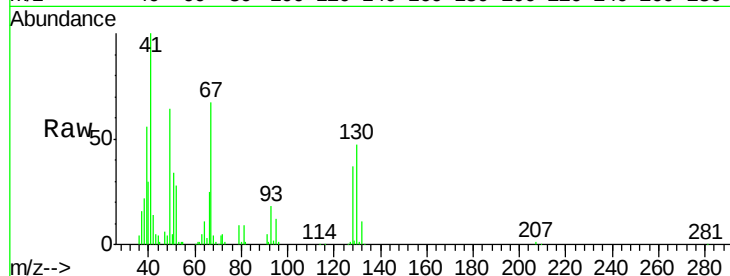
#41
Methacrylonitrile
Concen: 16.36 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.4	0.0	0.0#
67	99.6	0.0	0.0#
52	37.8	0.0	0.0#

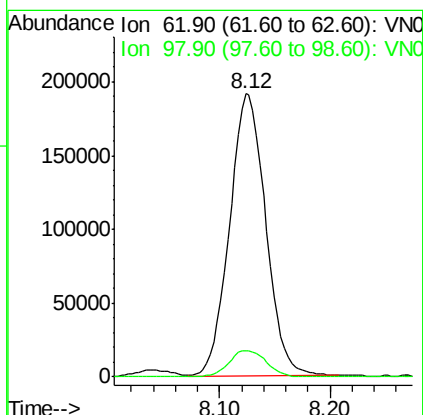
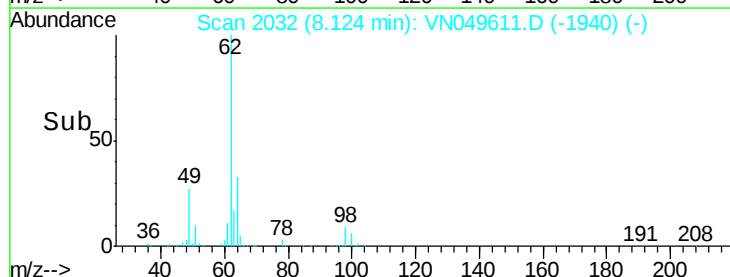
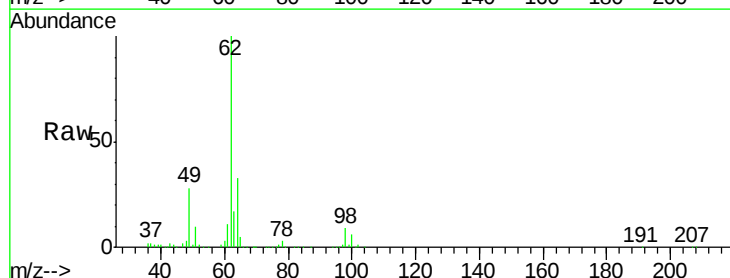
Manual Integrations
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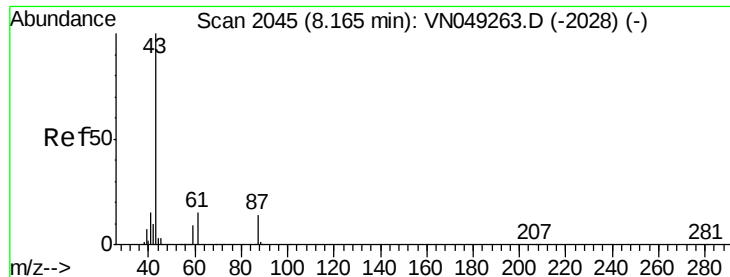
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.74 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	16.2





#43

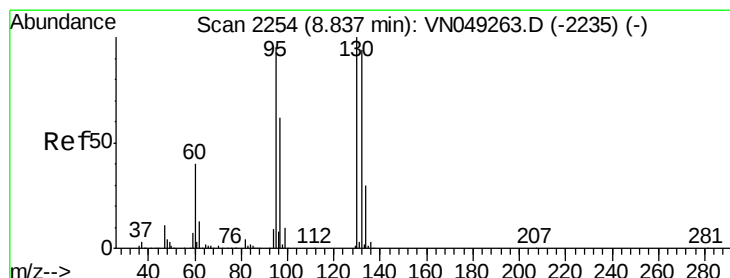
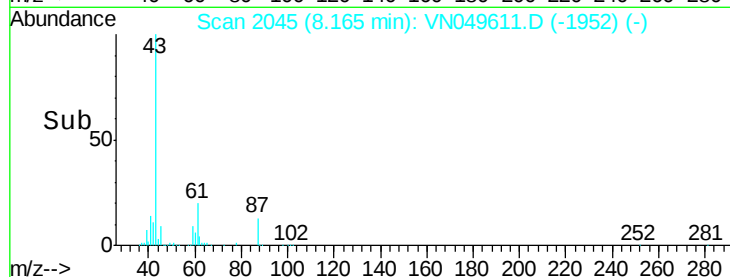
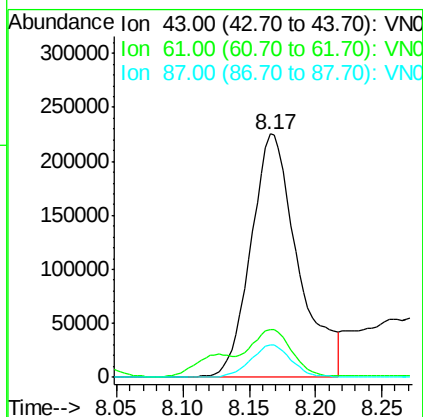
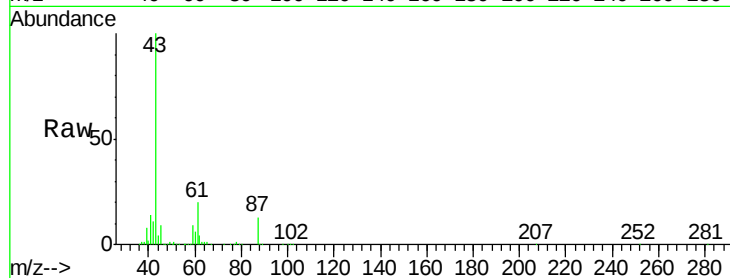
Isopropyl Acetate
 Concen: 21.79 ug/l
 RT: 8.17 min Scan# 2045
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	14.2	21.4
87	11.8	9.4	14.0

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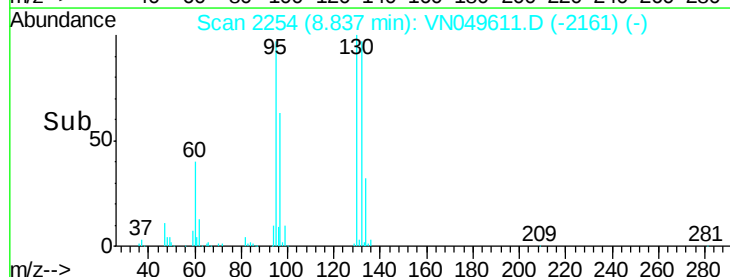
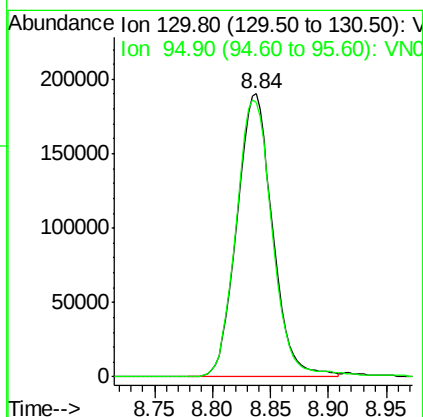
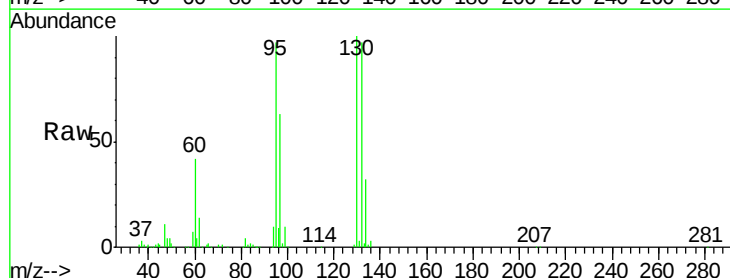
MMDadoda
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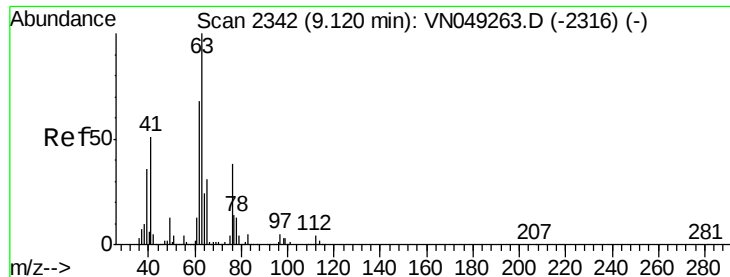


#44

Trichloroethene
 Concen: 20.50 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	208.6





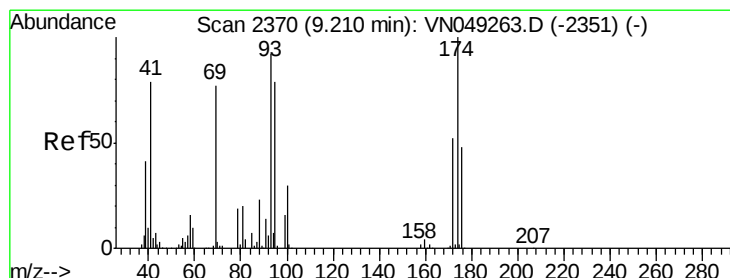
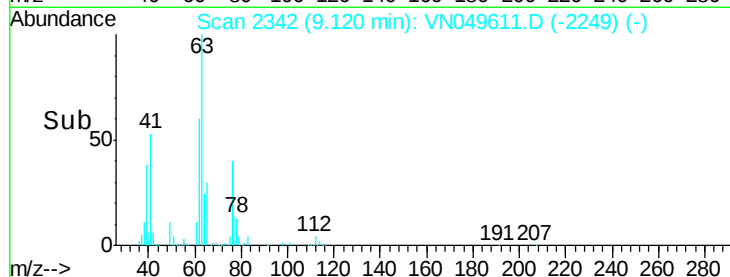
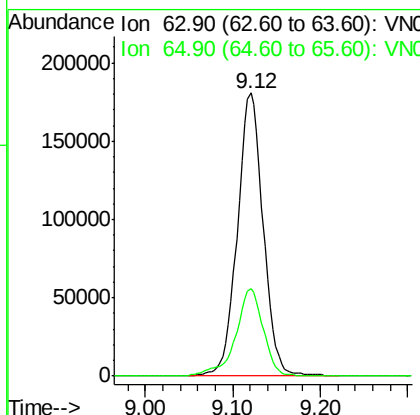
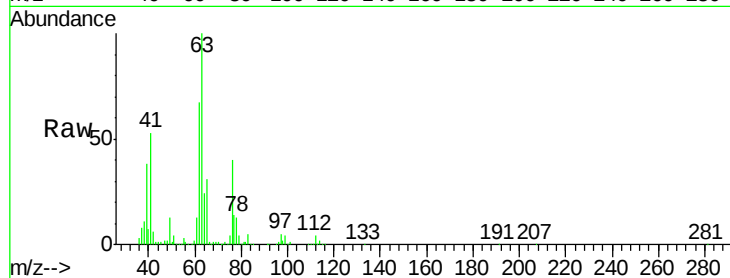
#45
 1,2-Dichloropropane
 Concen: 18.85 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.8	37.2

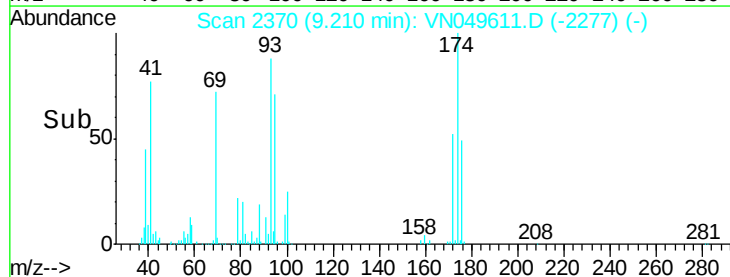
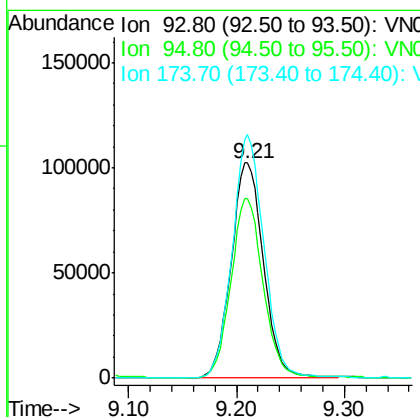
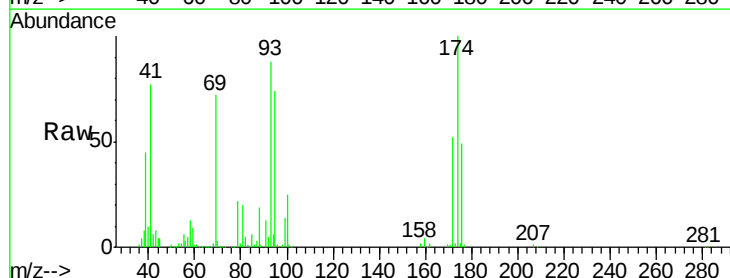
Manual Integrations
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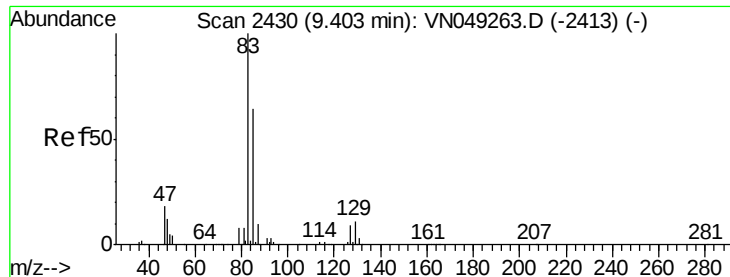
MMDadoda
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#46
 Dibromomethane
 Concen: 18.85 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.2	100.8
174	110.8	75.6	113.4





#47

Bromodichloromethane

Concen: 18.65 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

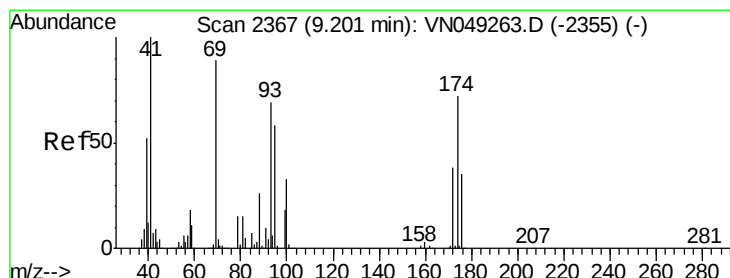
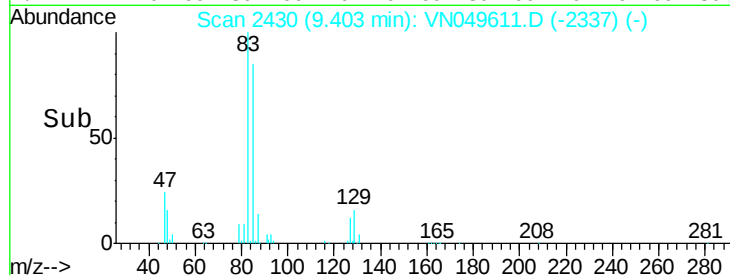
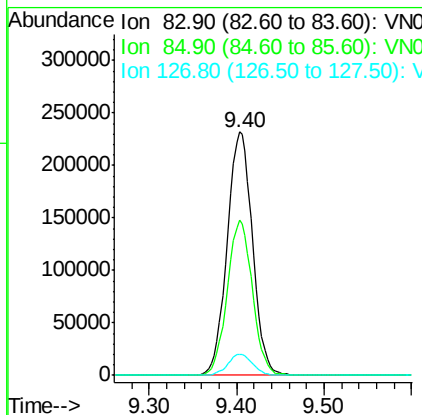
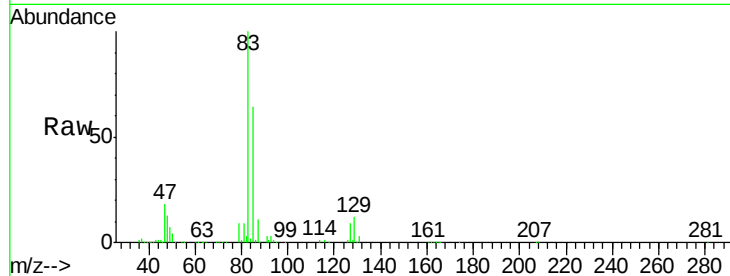
ClientSampleId :

VN0628WBSD02

Tot Ion:	83	Resp:	466811
Ion Ratio	Lower	Upper	
83	100		
85	63.6	49.4	74.0
127	8.8	6.3	9.5

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#48

Methyl methacrylate

Concen: 19.20 ug/l

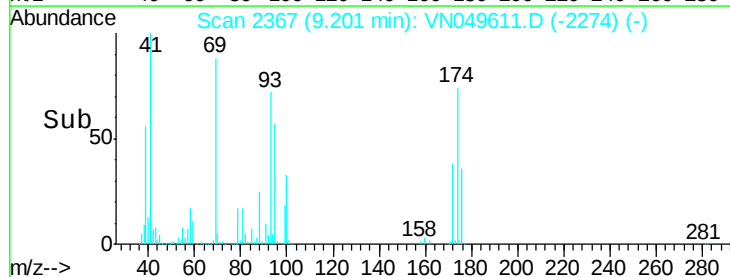
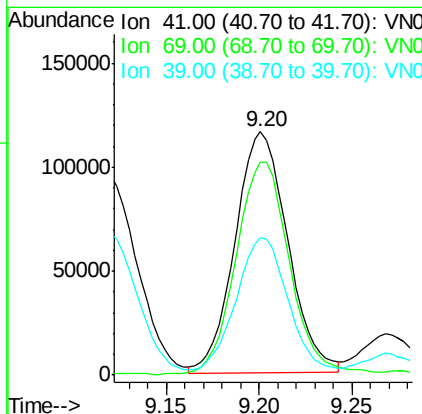
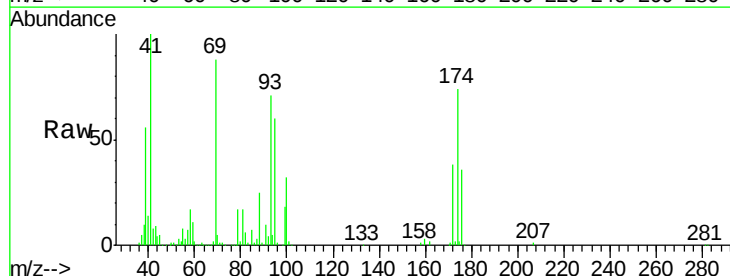
RT: 9.20 min Scan# 2367

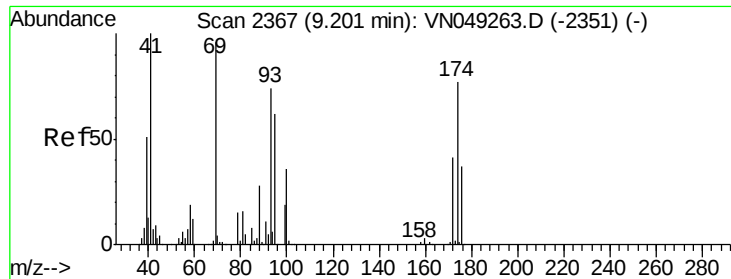
Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Tgt Ion:	41	Resp:	229767
Ion Ratio	Lower	Upper	
41	100		
69	89.1	62.0	93.0
39	56.4	50.6	75.8





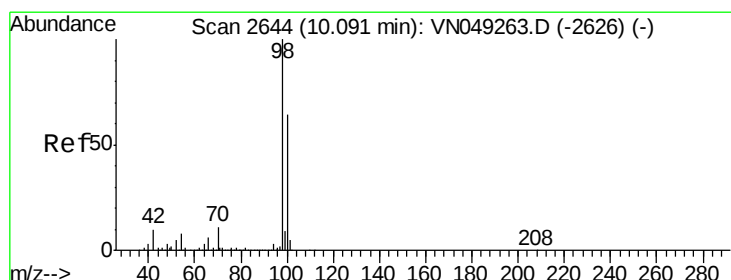
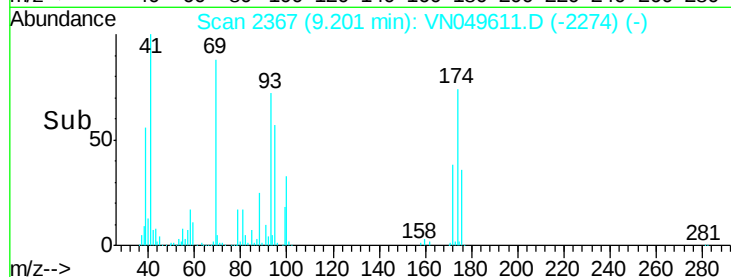
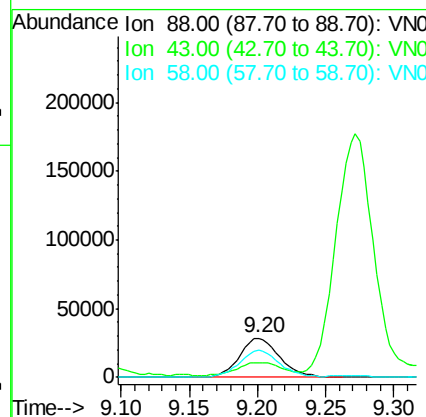
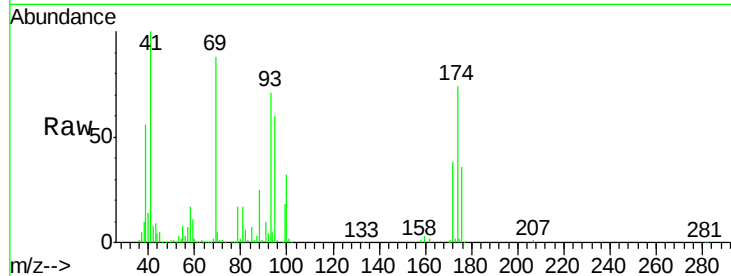
#49
1,4-Dioxane
Concen: 353.72 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	30.9	46.3
58	66.2	58.9	88.3

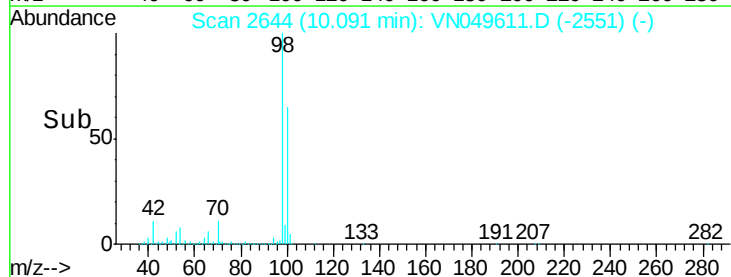
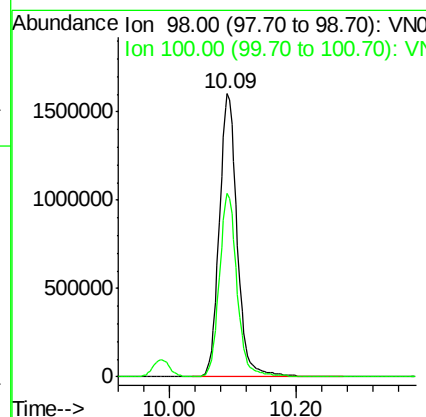
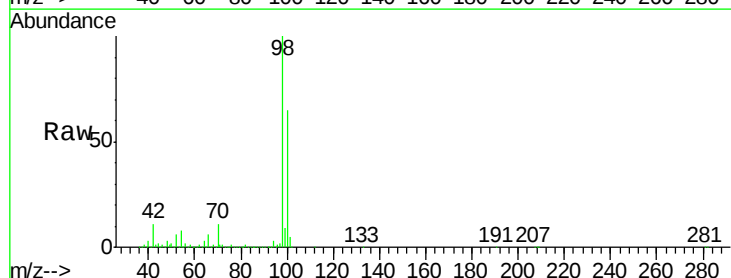
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#50
Toluene-d8
Concen: 47.41 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	49.8	74.8





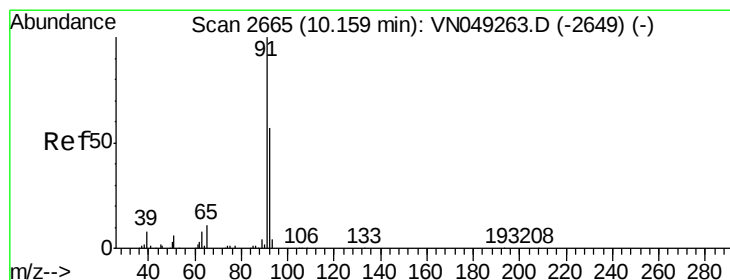
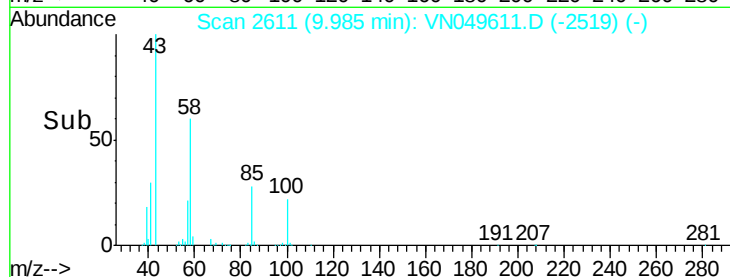
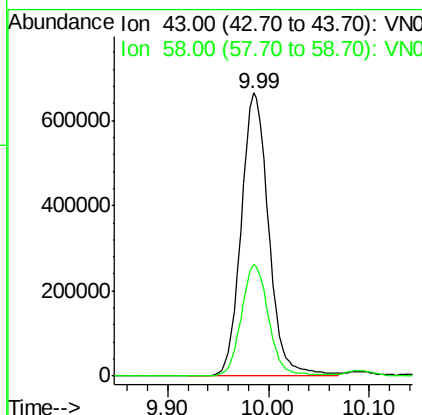
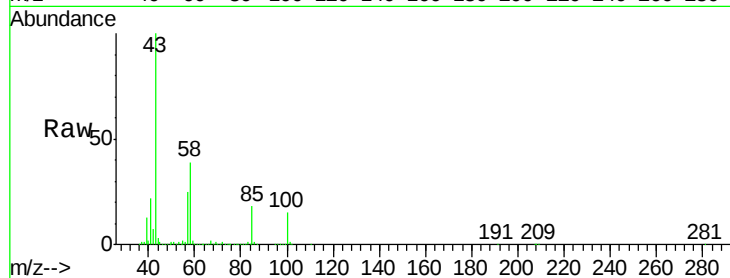
#51
4-Methyl-2-Pentanone
Concen: 93.43 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion: 43 Resp: 1244638
Ion Ratio Lower Upper
43 100
58 39.4 29.0 43.6

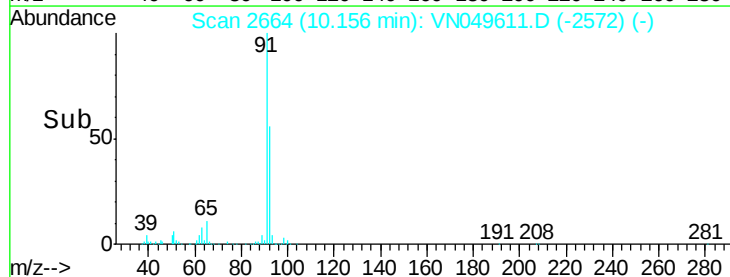
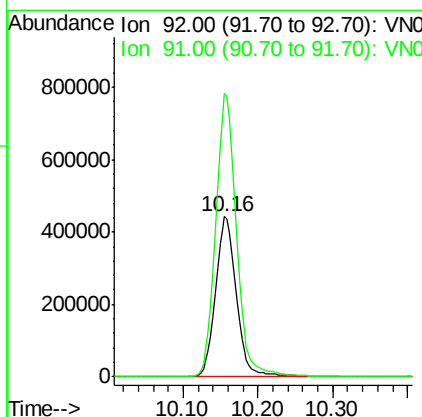
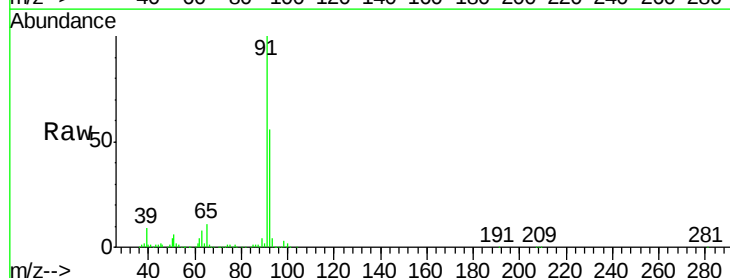
Manual Integrations
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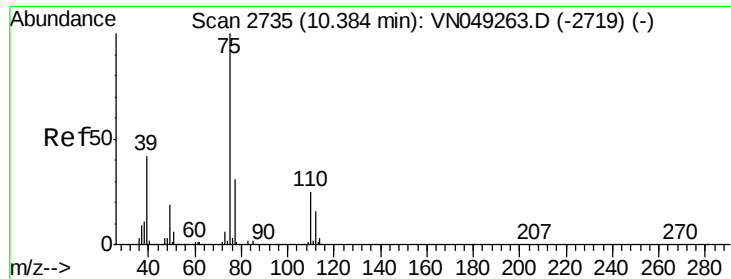
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#52
Toluene
Concen: 19.34 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion: 92 Resp: 851519
Ion Ratio Lower Upper
92 100
91 177.9 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 17.22 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD02

Tot Ion: 75 Resp: 412228

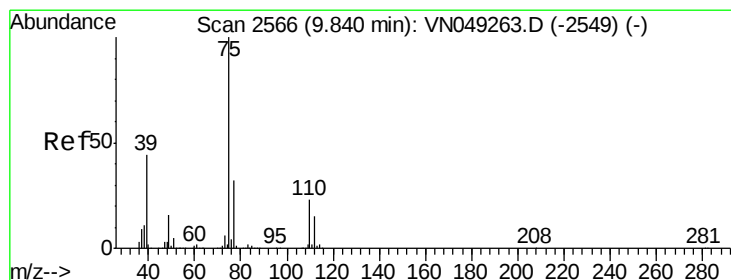
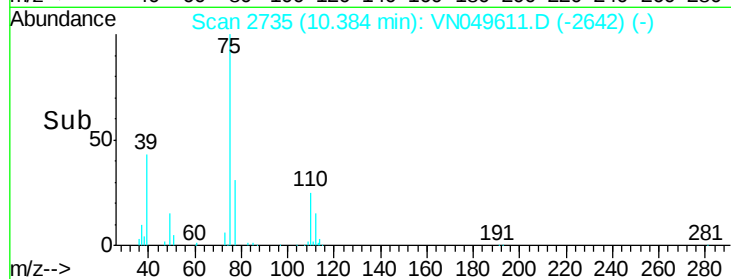
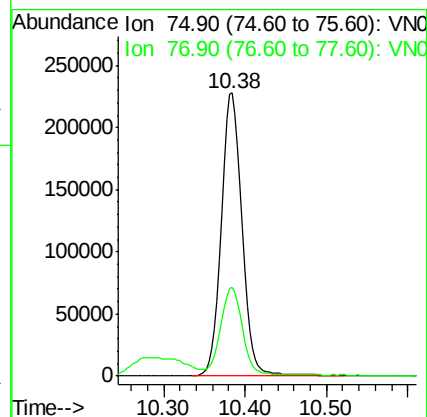
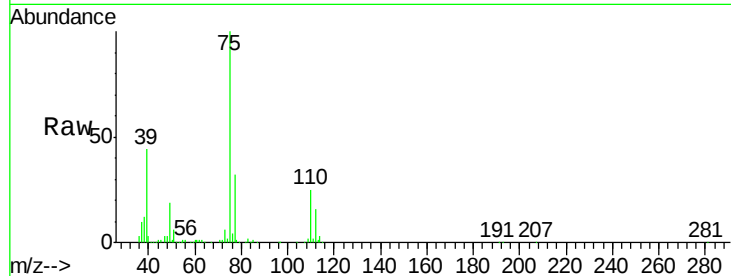
Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 17.66 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

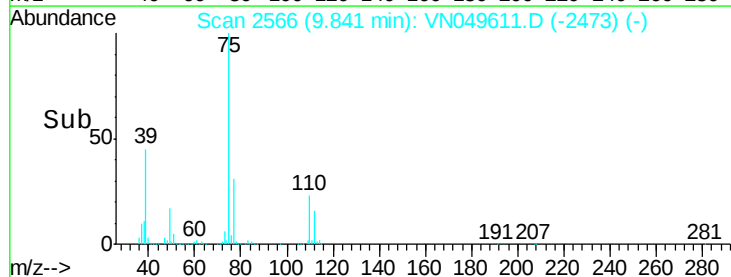
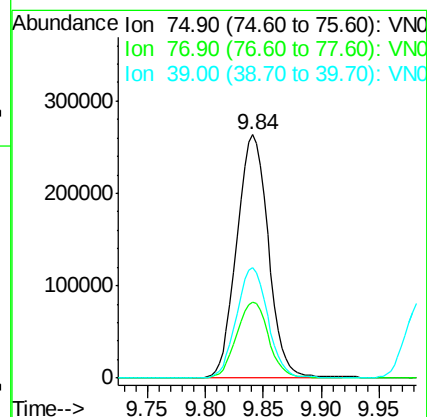
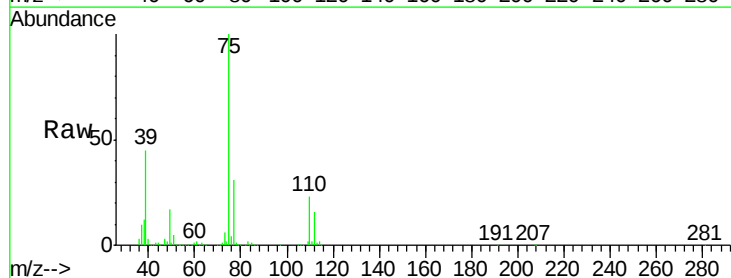
Tgt Ion: 75 Resp: 499230

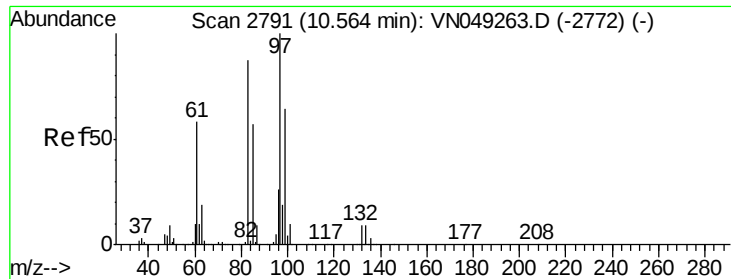
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 45.3 45.1 67.7





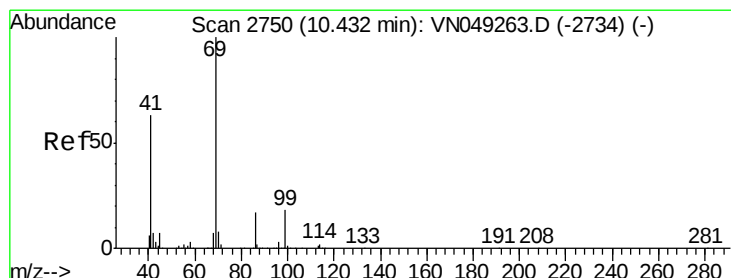
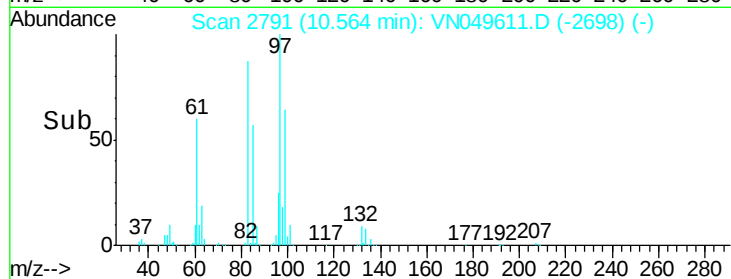
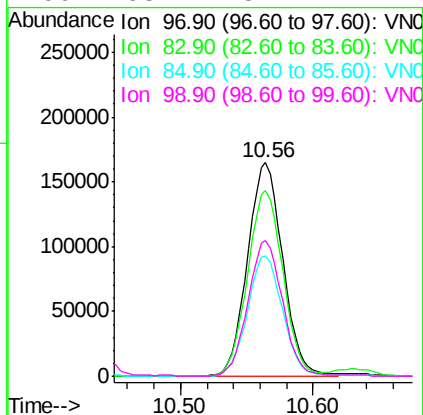
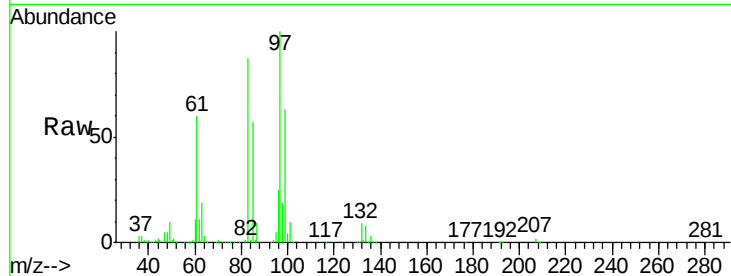
#55
 1,1,2-Trichloroethane
 Concen: 18.62 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	71.5	107.3
85	56.6	47.0	70.4
99	63.4	51.4	77.2

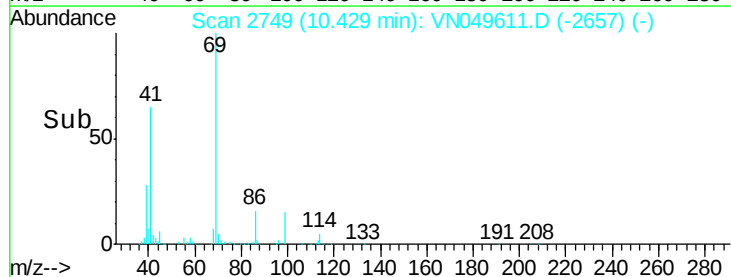
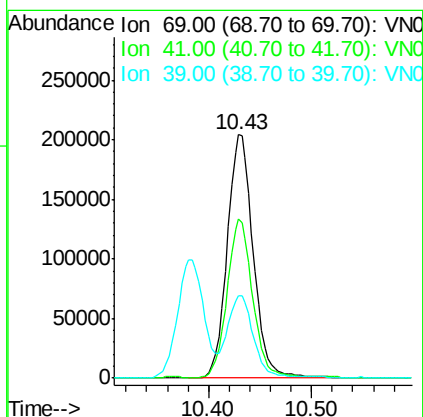
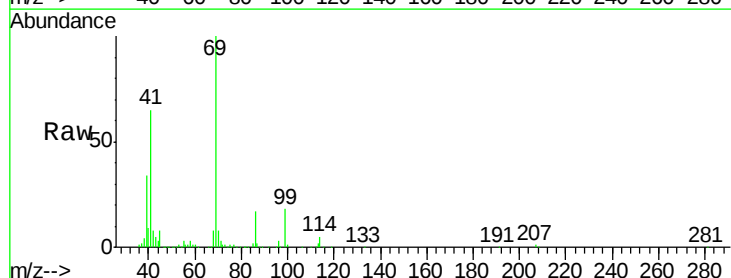
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#56
 Ethyl methacrylate
 Concen: 18.97 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.9	58.4	87.6
39	31.9	35.5	53.3#





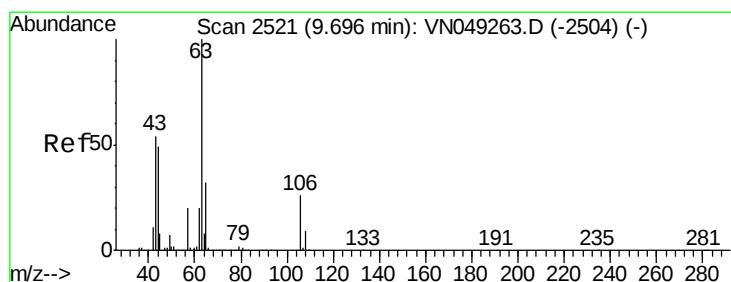
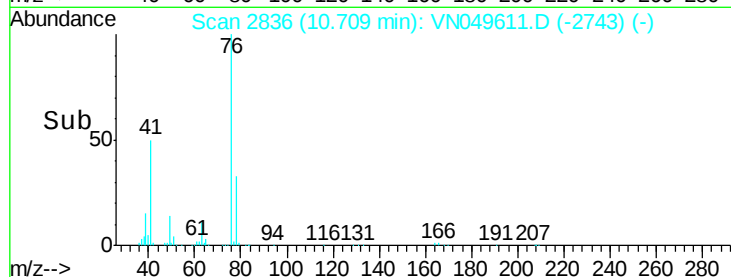
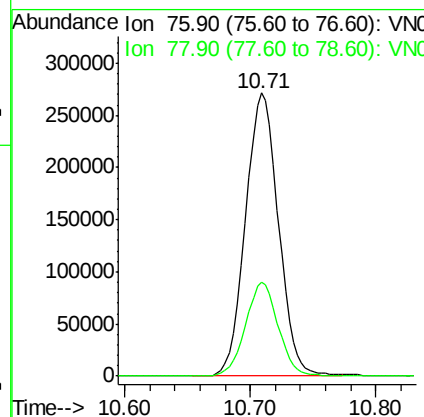
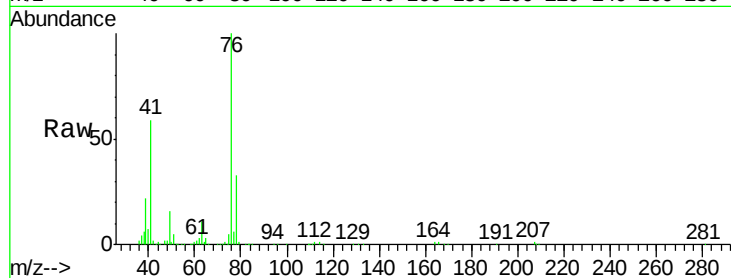
#57
 1,3-Dichloropropane
 Concen: 18.29 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD02

Tot Ion: 76 Resp: 497331
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.3 39.5

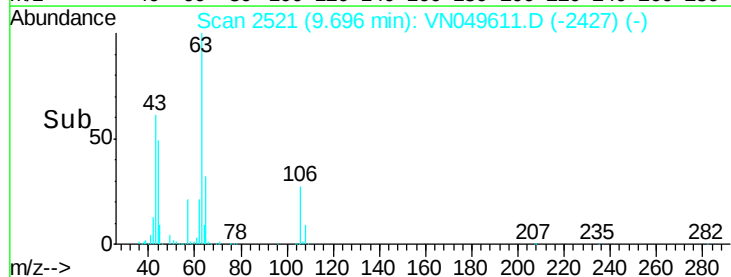
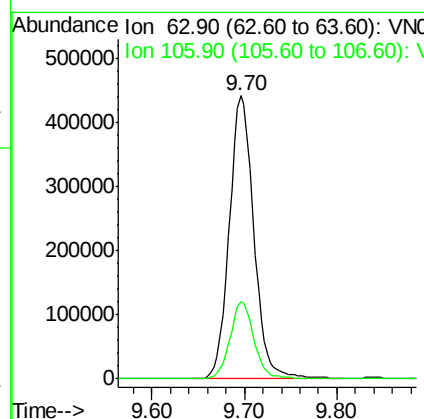
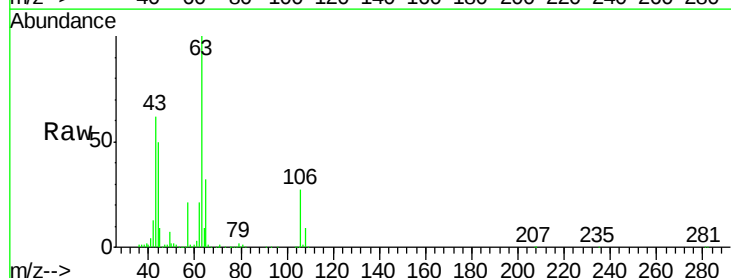
Manual Integrations
 APPROVED

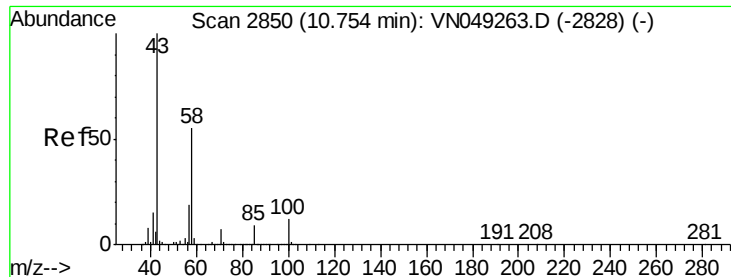
MMDadoda
 6/29/2018 1:46:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 127.44 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Tgt Ion: 63 Resp: 812337
 Ion Ratio Lower Upper
 63 100
 106 26.9 19.4 29.2





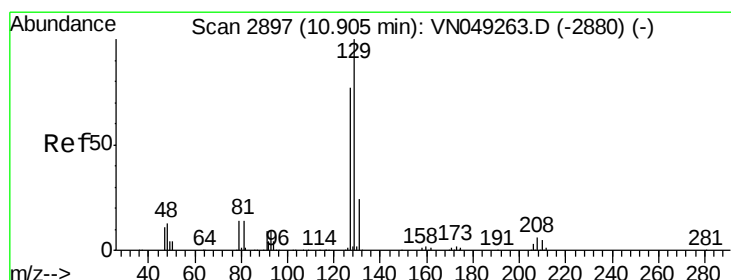
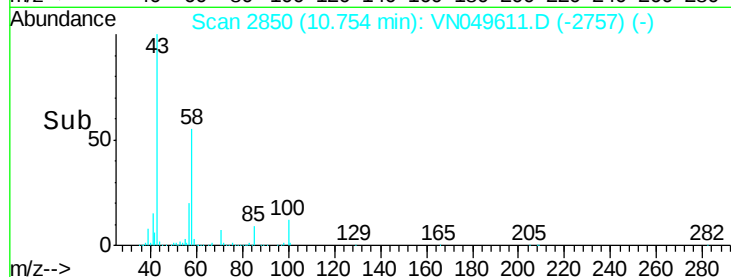
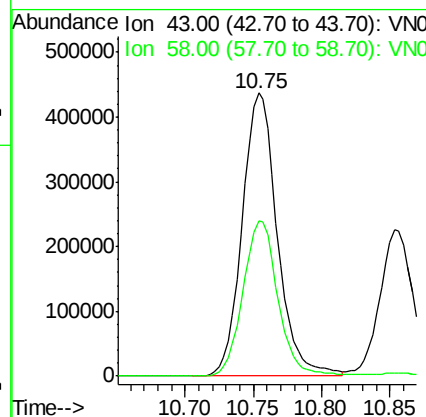
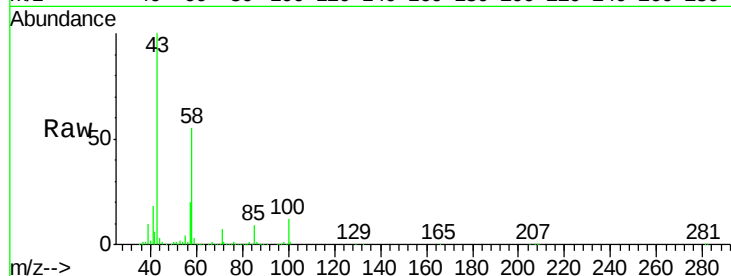
#59
2-Hexanone
Concen: 90.21 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion: 43 Resp: 774694
Ion Ratio Lower Upper
43 100
58 55.1 25.2 75.6

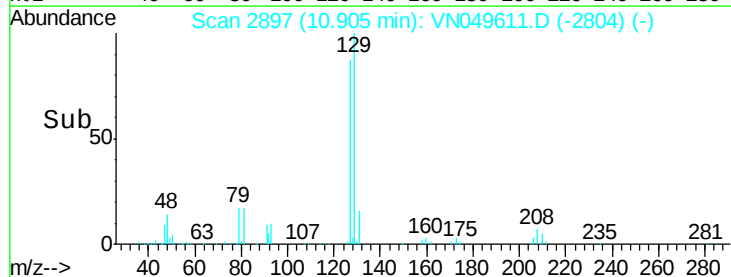
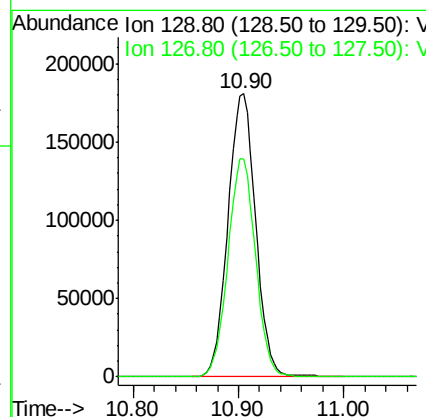
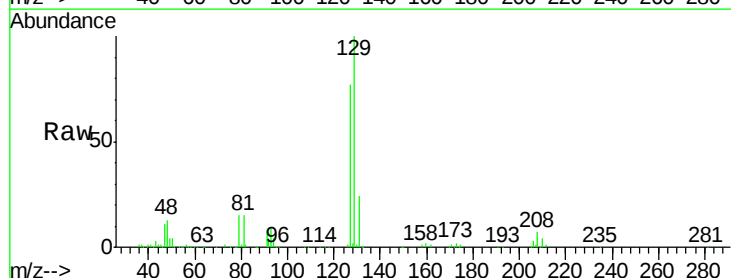
Manual Integrations
APPROVED

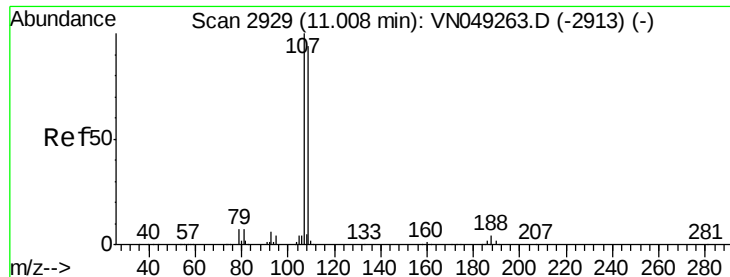
MMDadoda
6/29/2018 1:46:49 PM



#60
Dibromochloromethane
Concen: 17.95 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion: 129 Resp: 328795
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





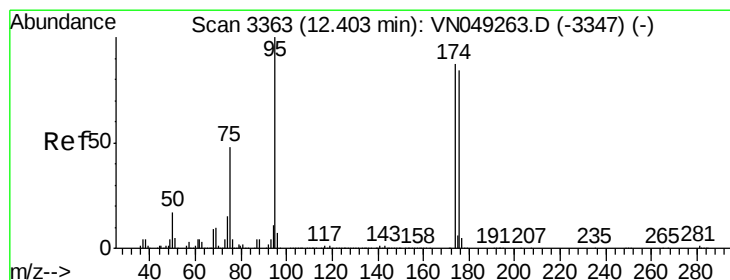
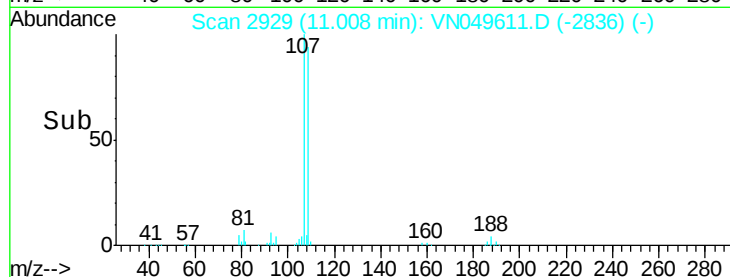
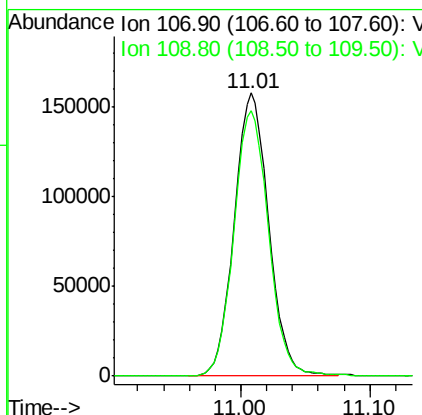
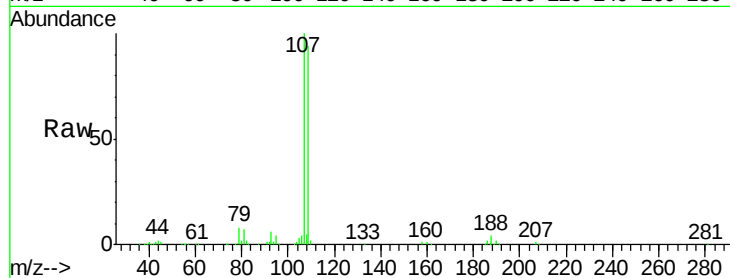
#61
 1,2-Dibromoethane
 Concen: 19.17 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	75.4	113.2

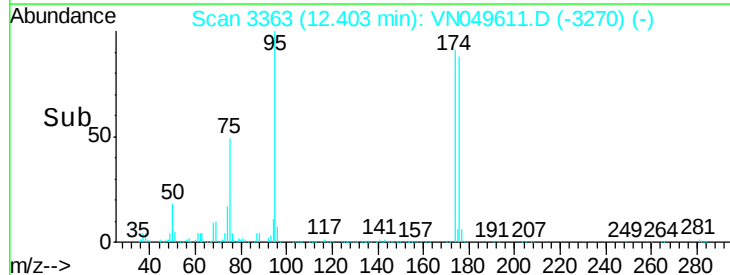
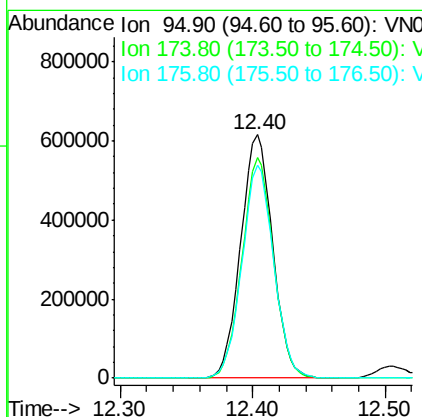
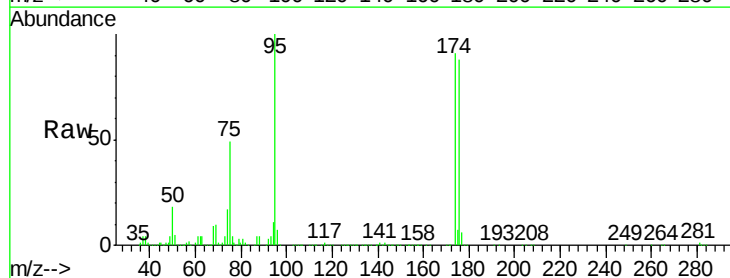
Manual Integrations
 APPROVED

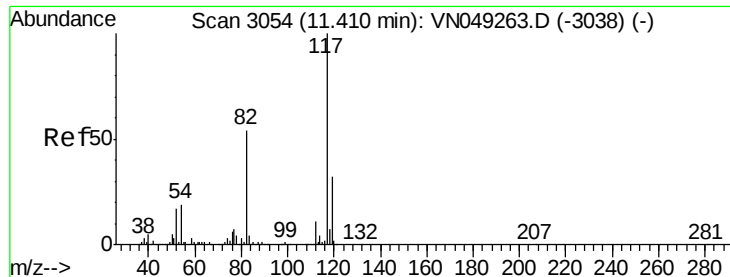
MMDadoda
 6/29/2018 1:46:49 PM



#62
 4-Bromofluorobenzene
 Concen: 47.41 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	165.6
176	86.8	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: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD02

Tot Ion:117 Resp: 1882985

Ion Ratio Lower Upper

117 100

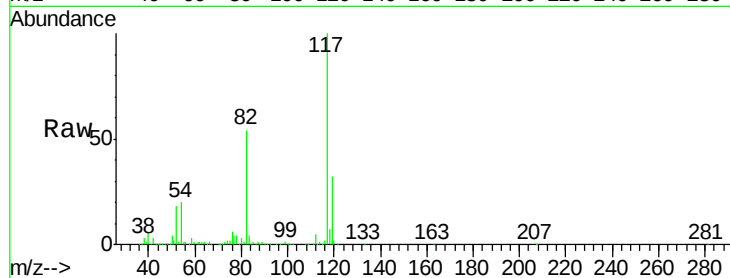
82 53.7 45.9 68.9

119 32.1 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

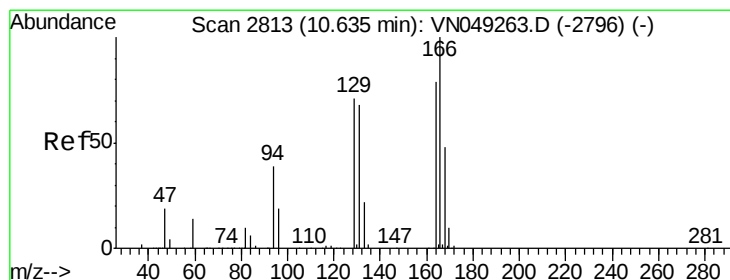
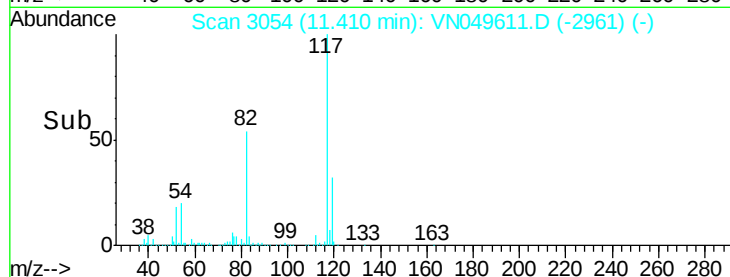
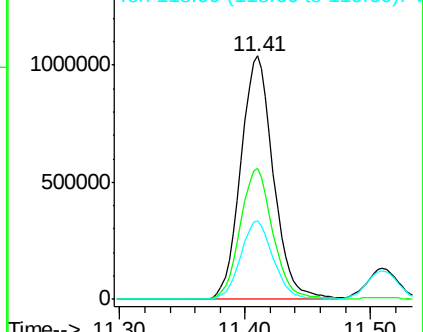
6/29/2018 1:46:49 PM



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: 25.57 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Tgt Ion:164 Resp: 493347

Ion Ratio Lower Upper

164 100

166 129.2 101.4 152.2

129 91.7 74.1 111.1

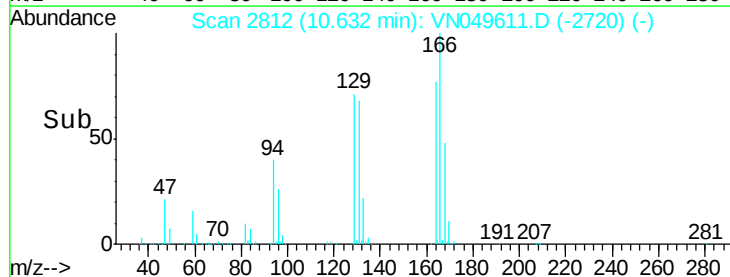
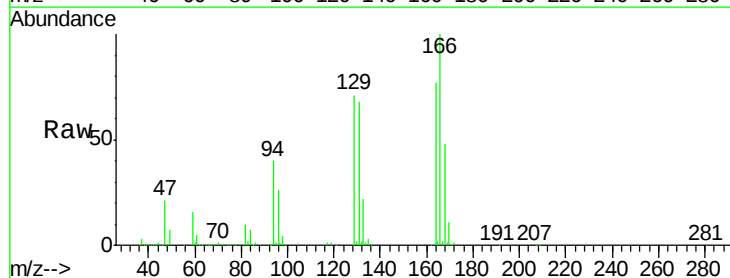
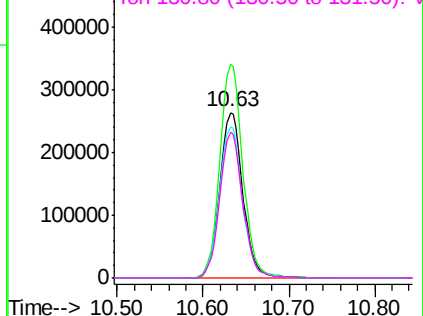
131 88.2 73.7 110.5

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: 19.16 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD02

Tot Ion:112 Resp: 929607

Ion Ratio Lower Upper

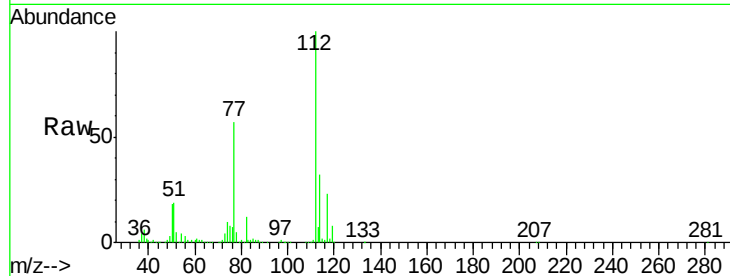
112 100

114 32.1 26.2 39.4

Manual Integrations
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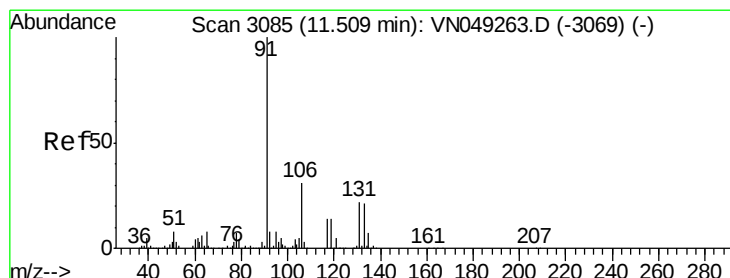
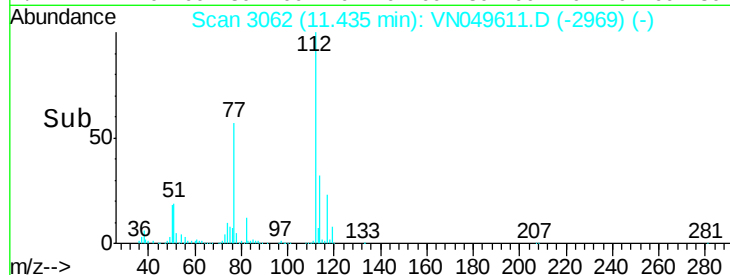
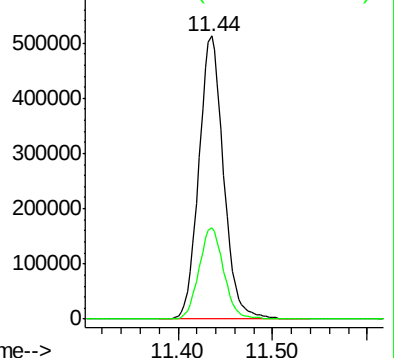
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.36 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

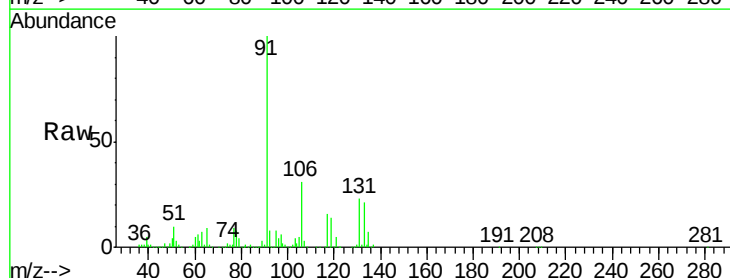
Tgt Ion:131 Resp: 335195

Ion Ratio Lower Upper

131 100

133 94.5 48.0 144.2

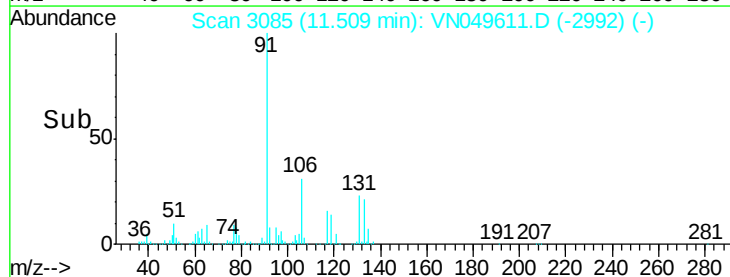
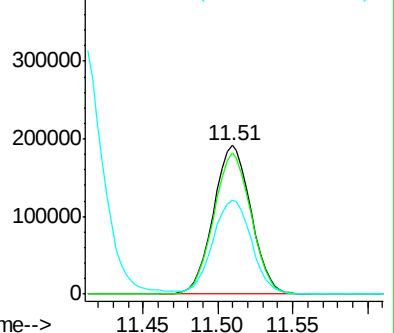
119 65.3 33.6 100.8

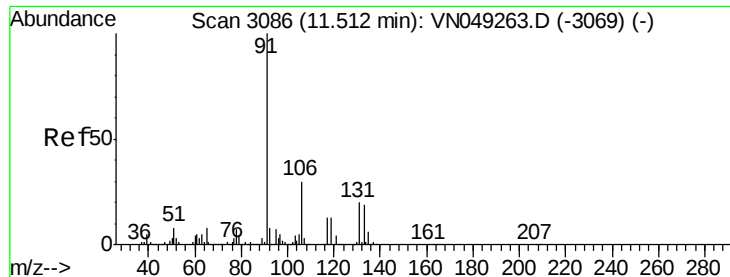


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





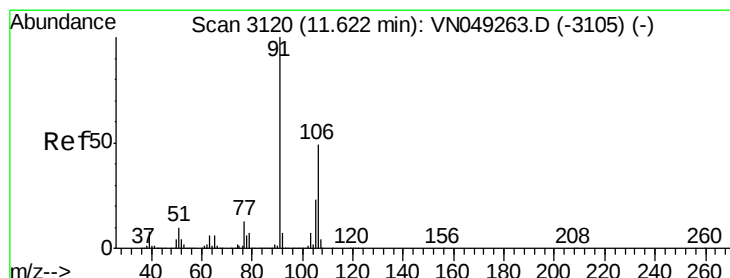
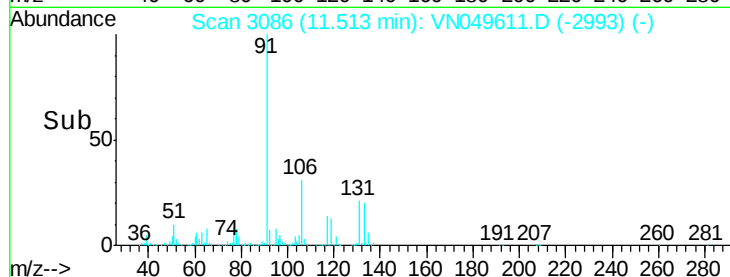
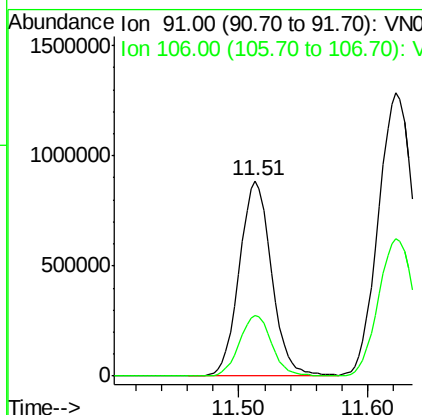
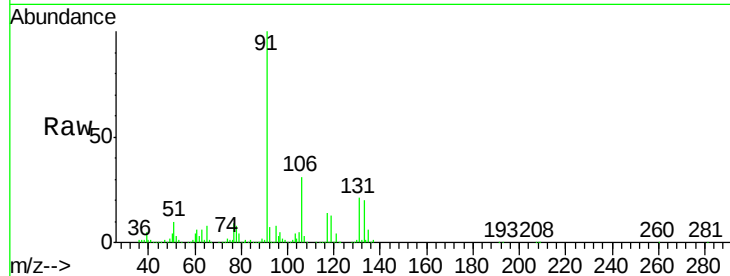
#67
Ethyl Benzene
Concen: 19.23 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion: 91 Resp: 1547140
Ion Ratio Lower Upper
91 100
106 31.3 23.9 35.9

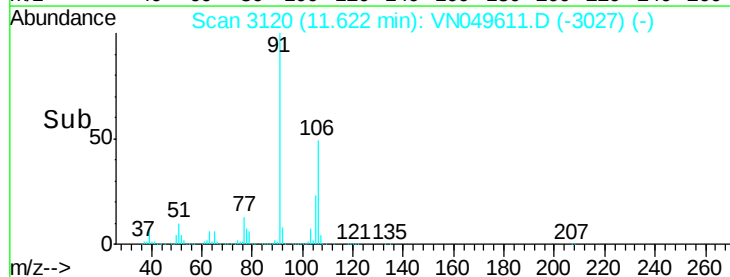
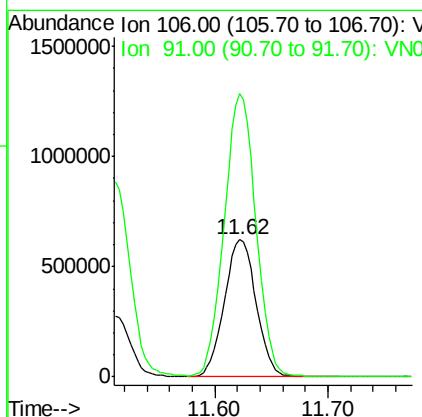
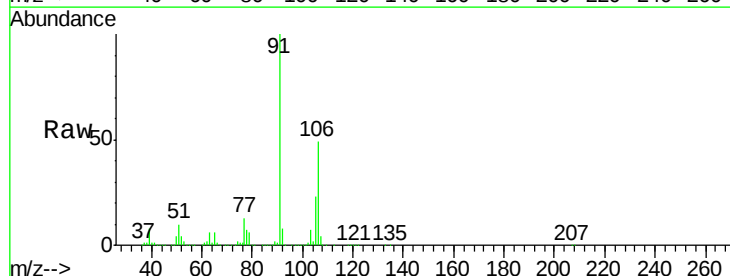
Manual Integrations
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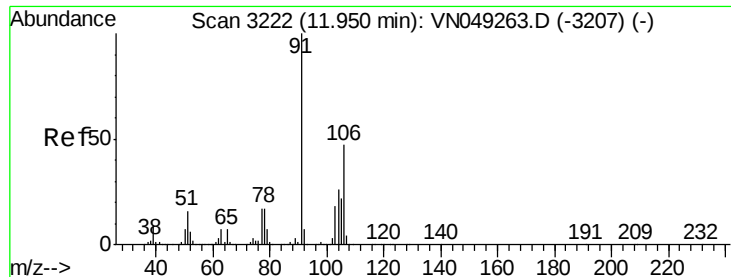
MMDadoda
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#68
m/p-Xylenes
Concen: 40.34 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion: 106 Resp: 1218010
Ion Ratio Lower Upper
106 100
91 205.1 167.3 250.9





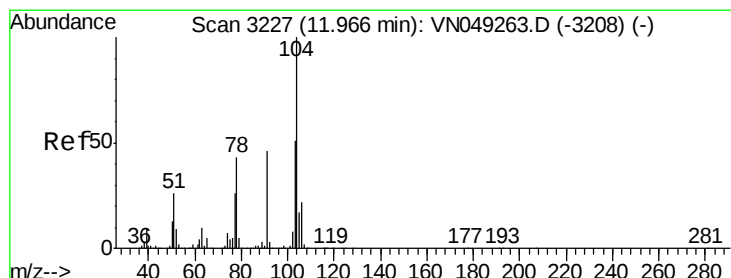
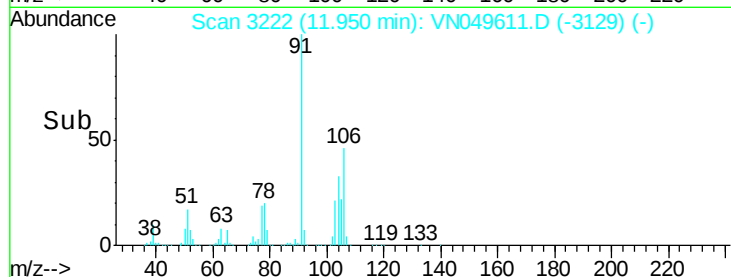
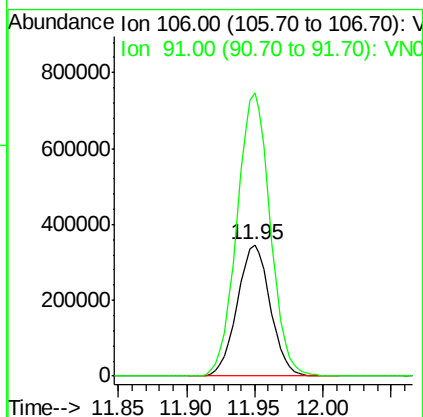
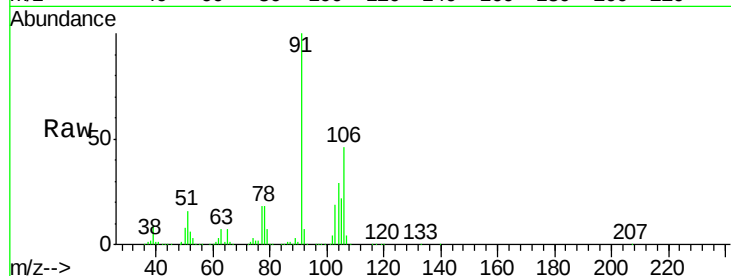
#69
o-Xylene
Concen: 20.04 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampled :
VN0628WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	582886		
91	91	216.4	111.0	333.0	

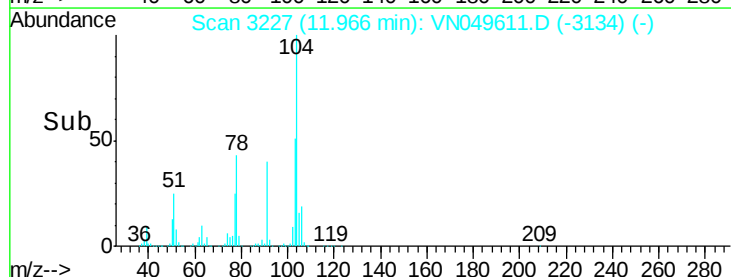
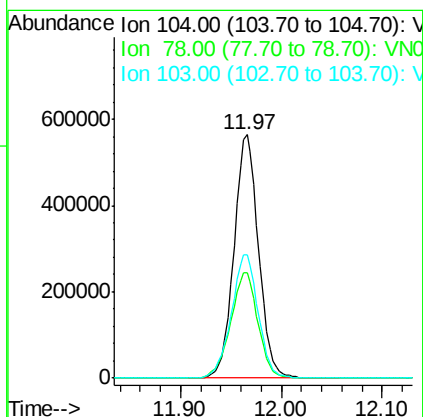
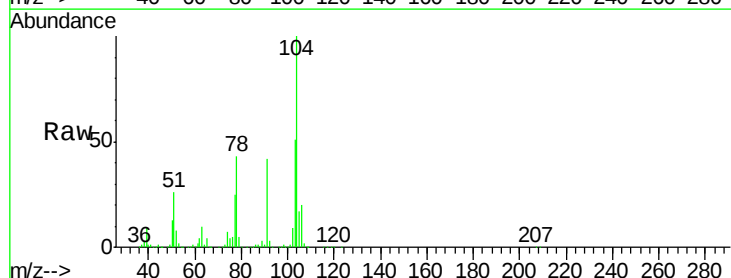
Manual Integrations
APPROVED

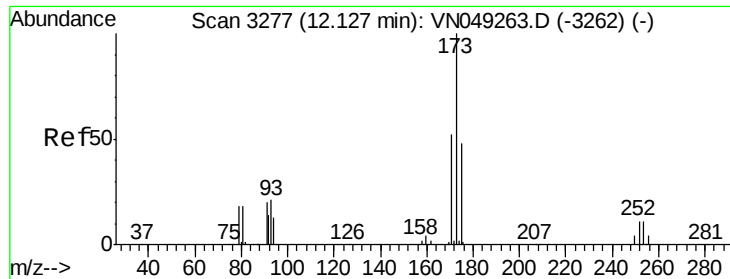
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#70
Styrene
Concen: 20.76 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	952364		
78	78	48.2	41.6	62.4	
103	103	55.5	45.4	68.2	





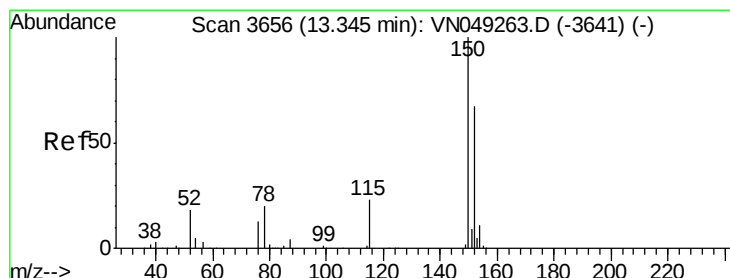
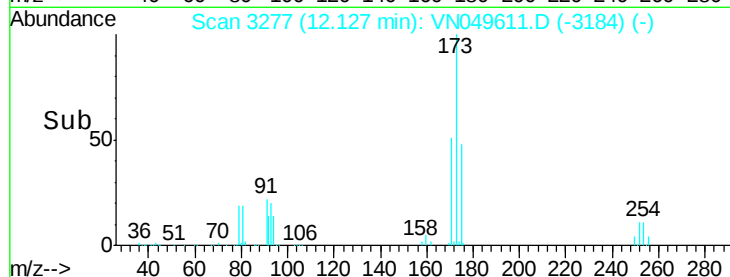
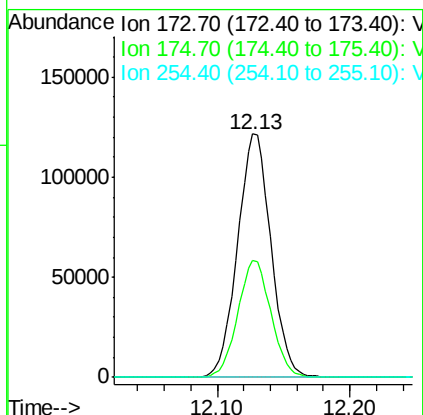
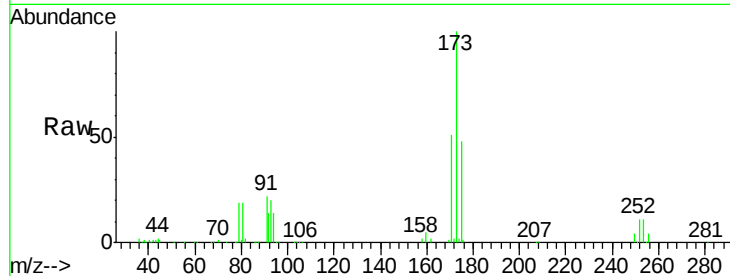
#71
Bromoform
Concen: 18.01 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.5	73.5
254	0.1	0.1	0.1#

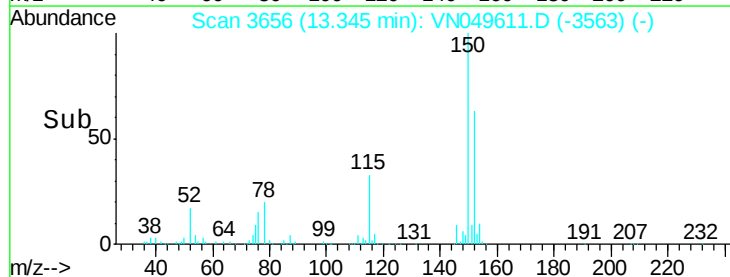
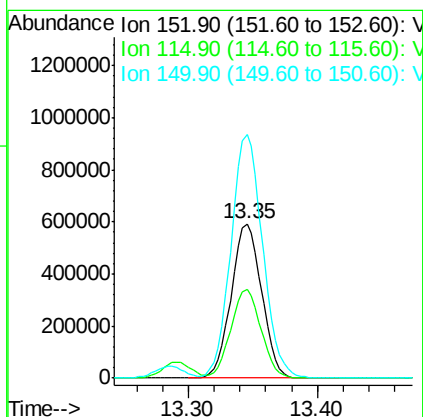
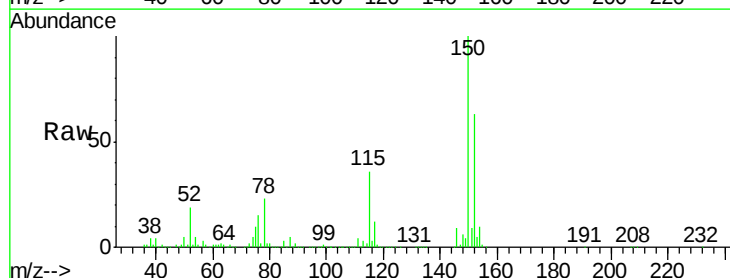
Manual Integrations
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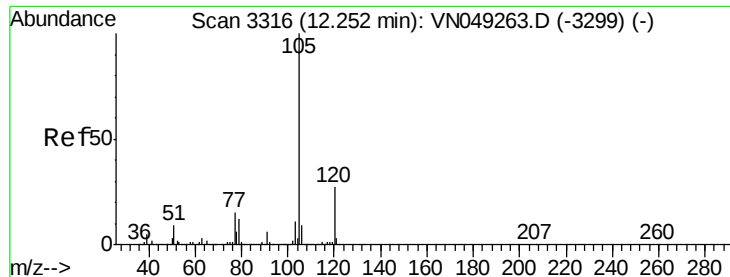
MMDadoda
6/29/2018 1:46:49 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.7	86.1
150	164.0	0.0	351.0





#73

Isopropylbenzene

Concen: 17.76 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD02

Tot Ion:105 Resp: 1515391

Ion Ratio Lower Upper

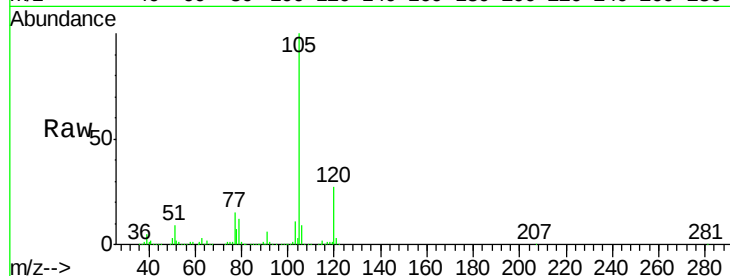
105 100

120 26.8 12.8 38.3

Manual Integrations
APPROVED

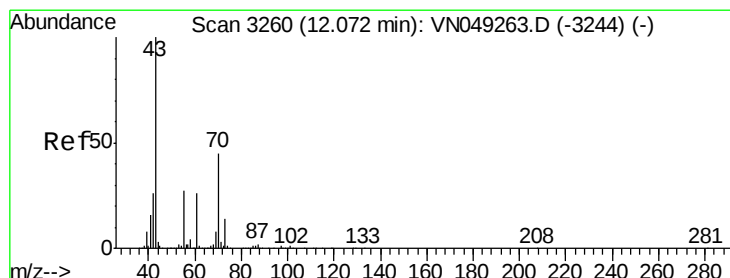
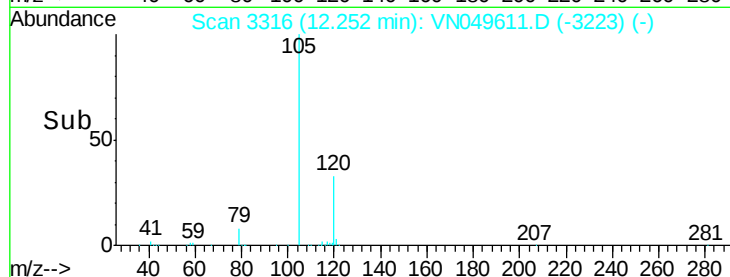
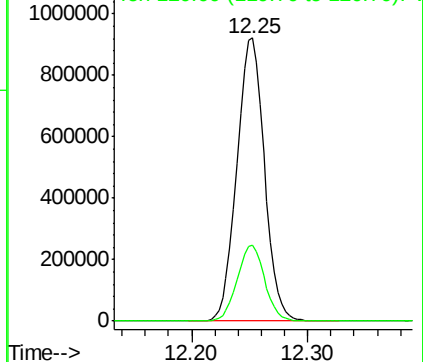
MMDadoda

6/29/2018 1:46:49 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.35 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Tgt Ion: 43 Resp: 383608

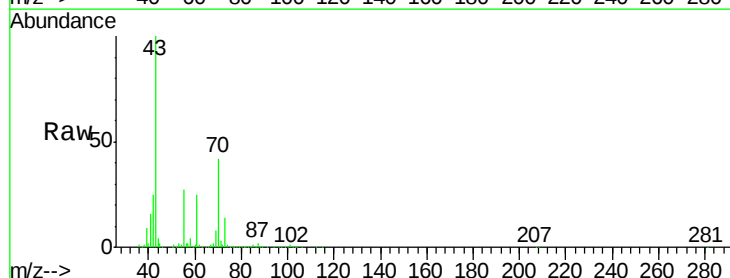
Ion Ratio Lower Upper

43 100

70 42.8 30.3 45.5

55 26.8 19.4 29.2

61 24.2 17.8 26.6

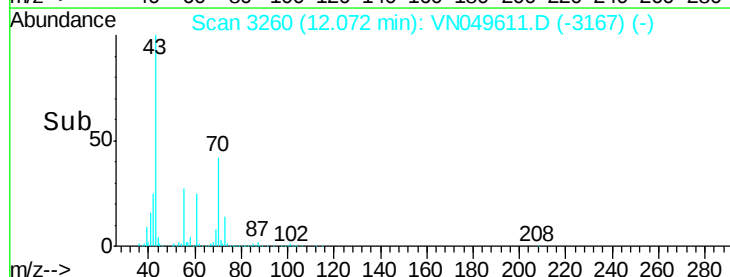
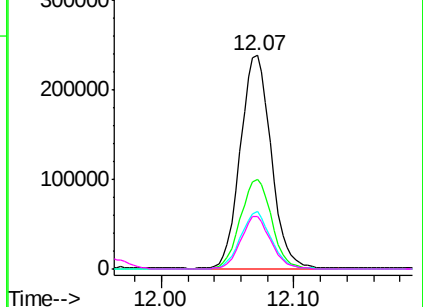


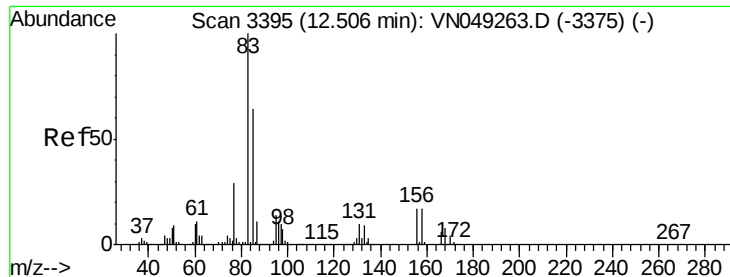
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 17.18 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

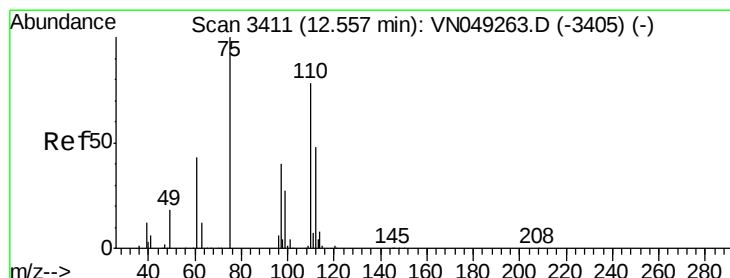
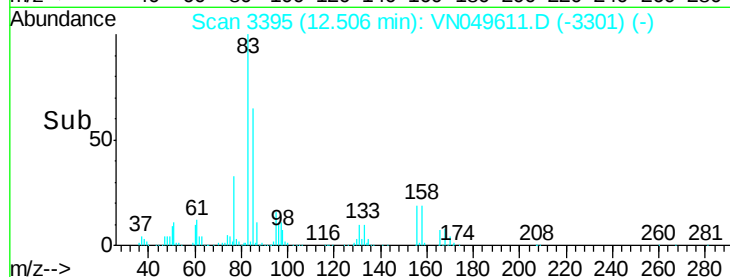
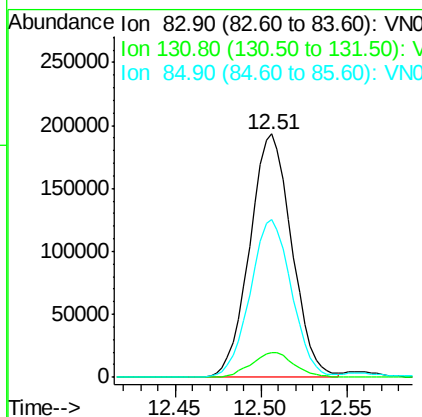
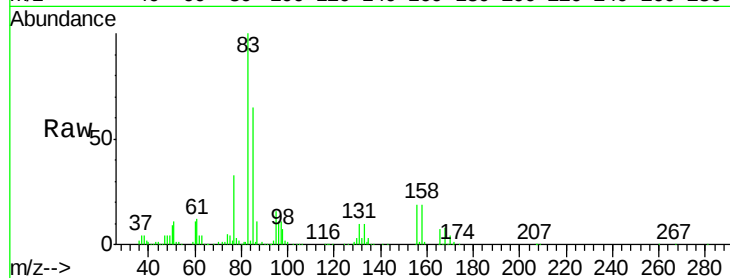
ClientSampleId :

VN0628WBSD02

Tot Ion:	83	Resp:	327450
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	63.9	32.0	96.0

Manual Integrations
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6/29/2018 1:46:49 PM



#76

1,2,3-Trichloropropane

Concen: 18.08 ug/l m

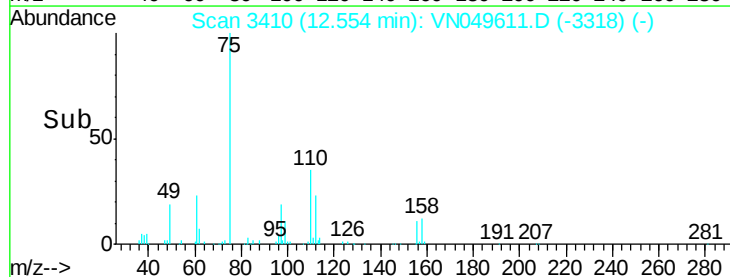
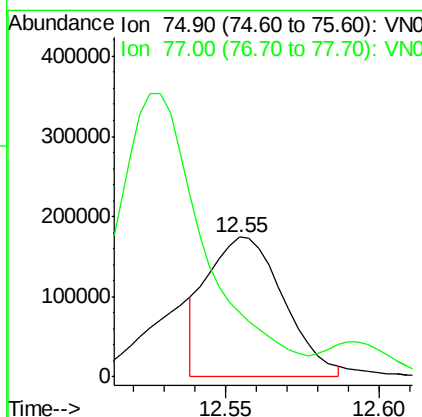
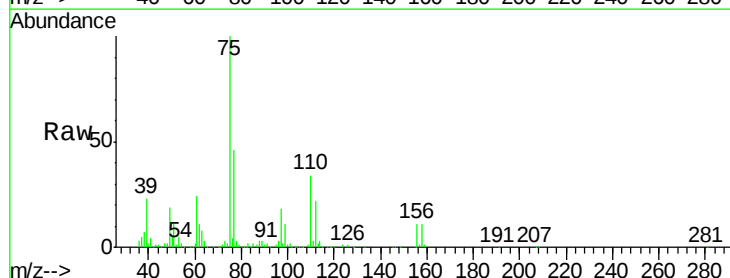
RT: 12.55 min Scan# 3410

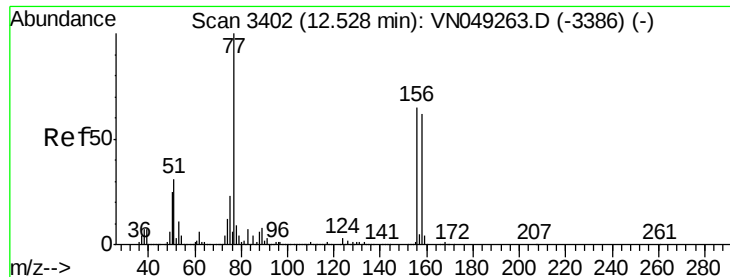
Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Tgt Ion:	75	Resp:	299880
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 17.40 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

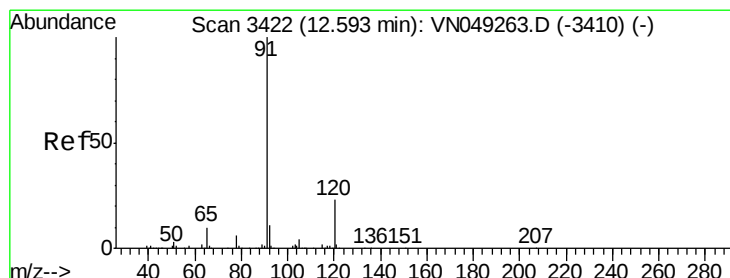
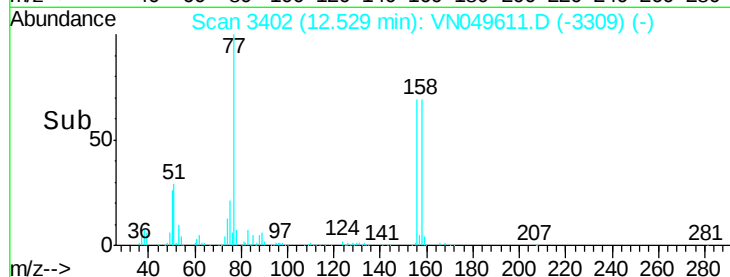
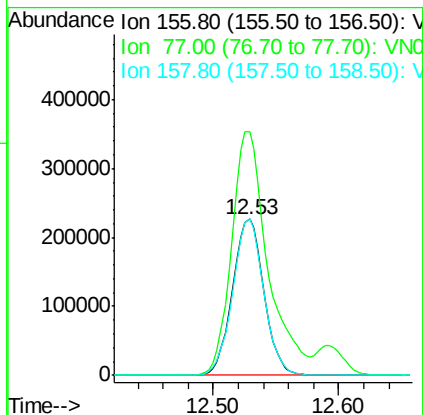
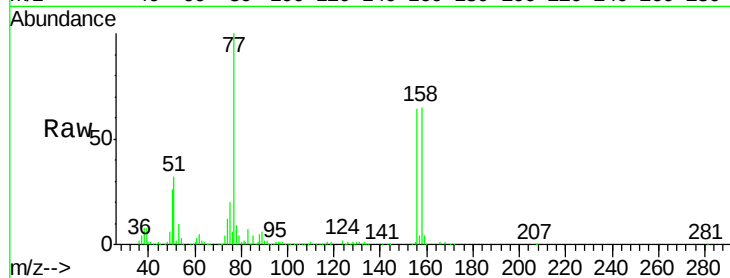
ClientSampleId :

VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	180.2	100.8	302.4
158	99.3	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 18.79 ug/l

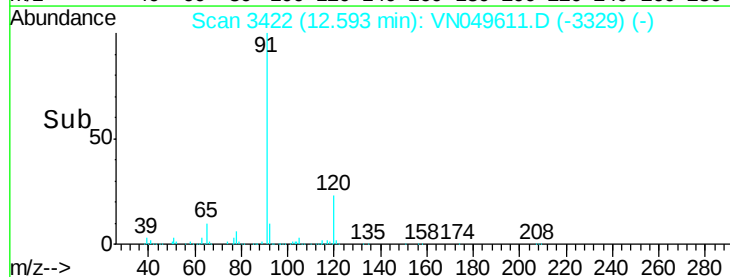
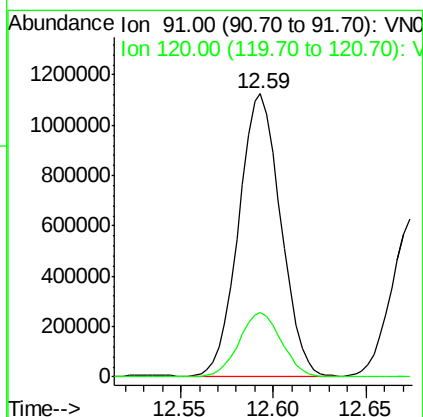
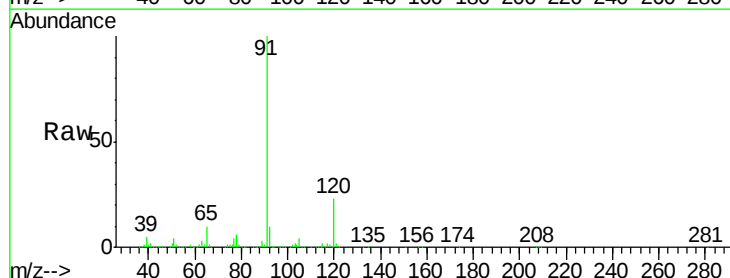
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 17.97 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD02

Tot Ion: 91 Resp: 1066856

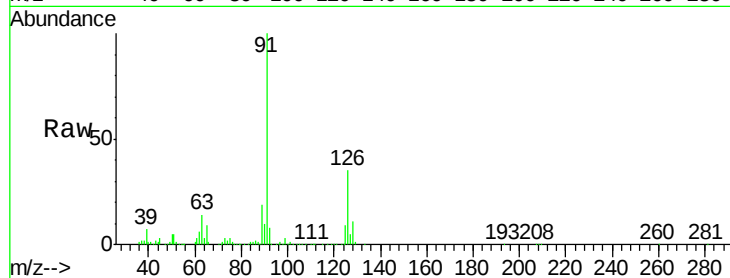
Ion Ratio Lower Upper

91 100

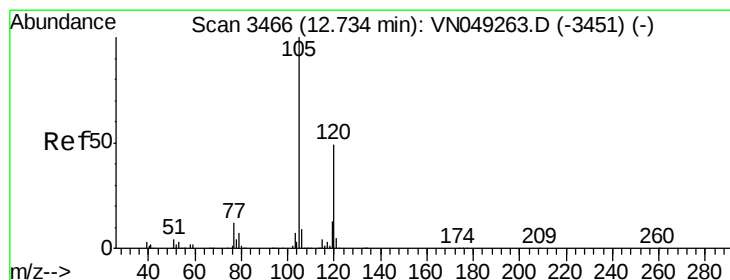
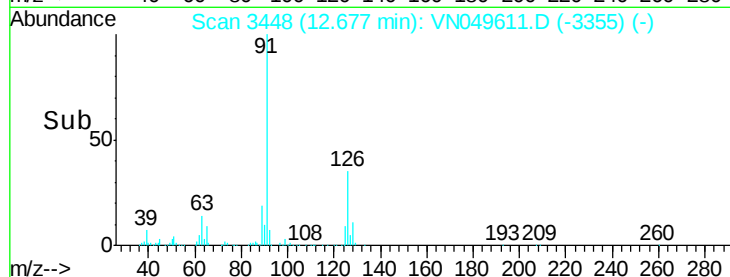
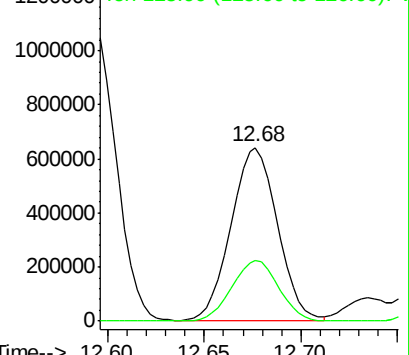
126 35.5 16.6 49.8

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



#80

1,3,5-Trimethylbenzene

Concen: 19.39 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049611.D

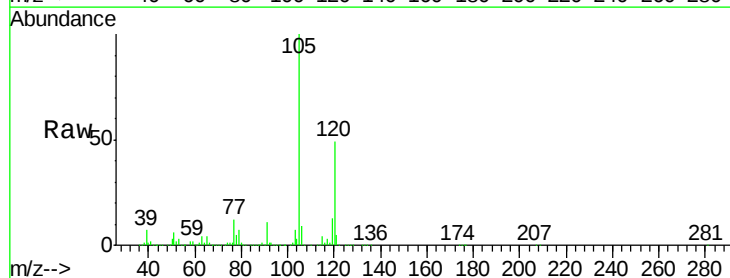
Acq: 29 Jun 2018 1:17

Tgt Ion: 105 Resp: 1300540

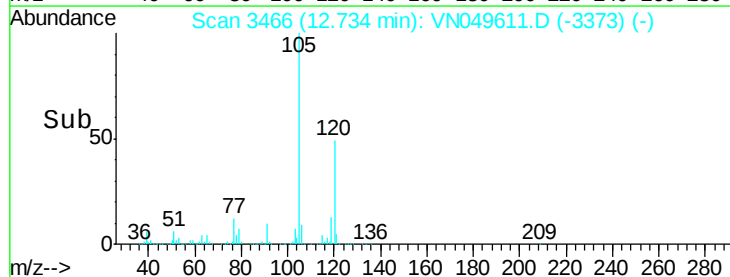
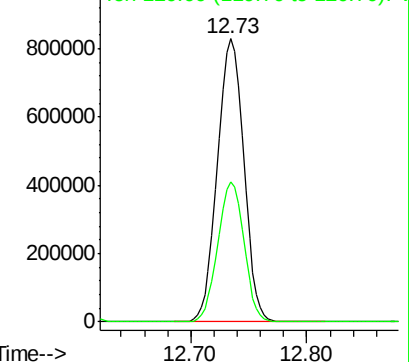
Ion Ratio Lower Upper

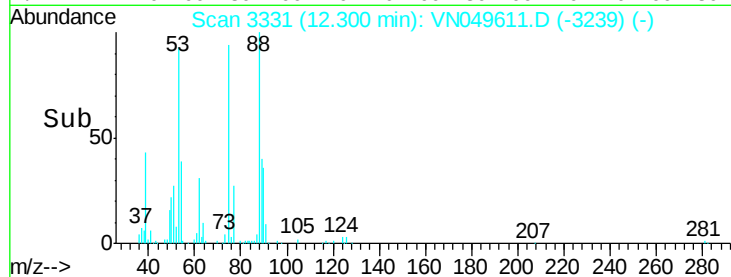
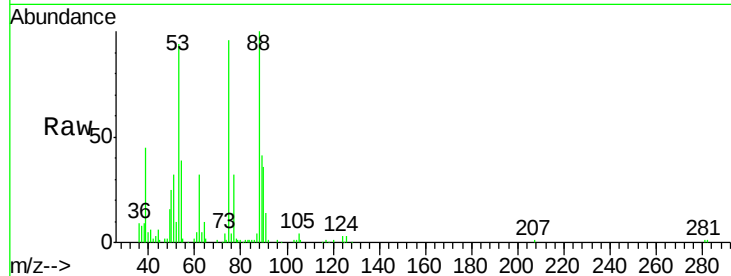
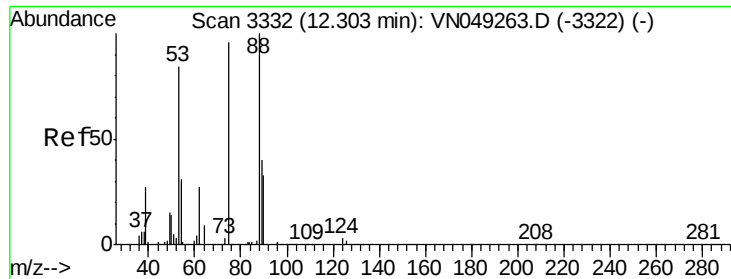
105 100

120 49.1 23.5 70.5



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





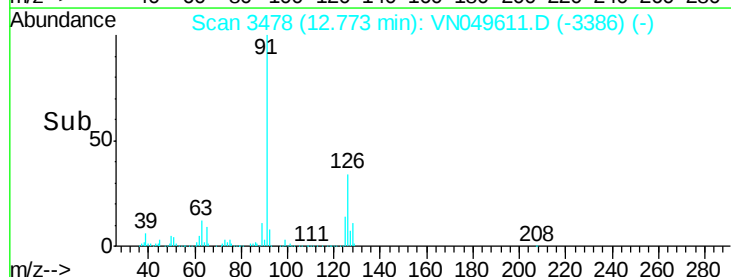
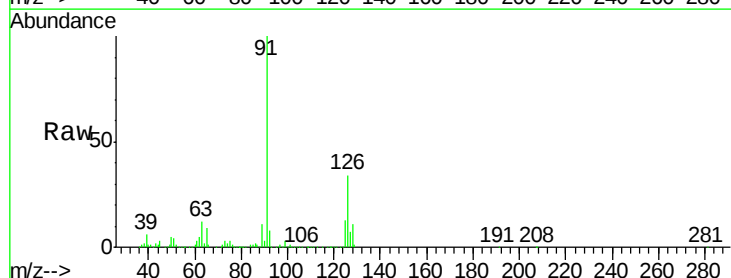
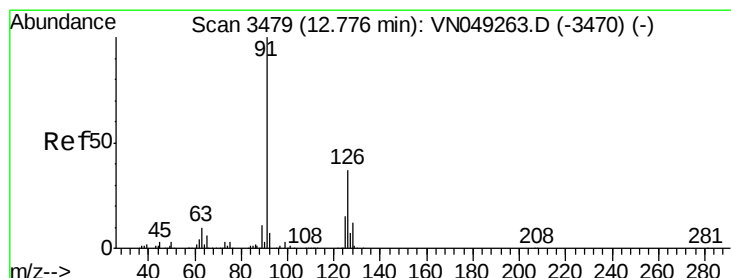
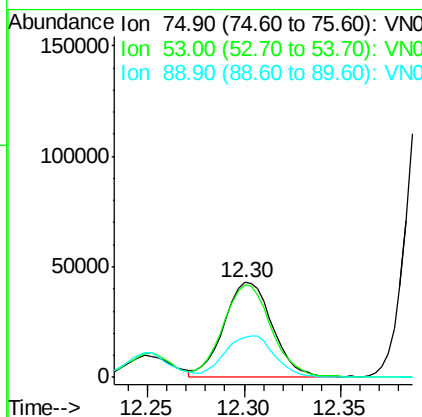
#81
trans-1,4-Dichloro-2-butene
Concen: 14.29 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.0	82.7	124.1
89	45.5	36.5	54.7

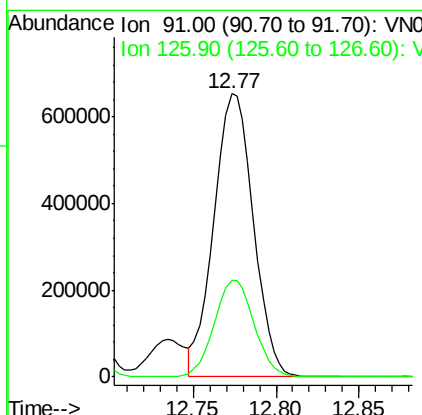
Manual Integrations
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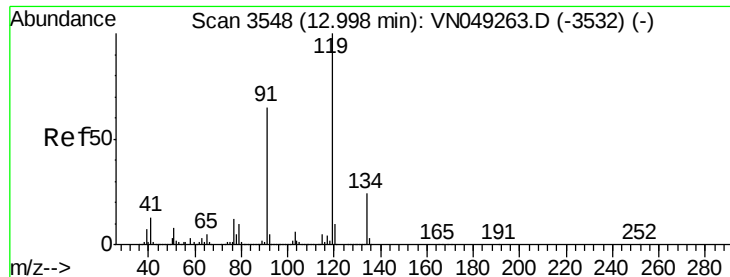
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#82
4-Chlorotoluene
Concen: 18.88 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.4	49.1





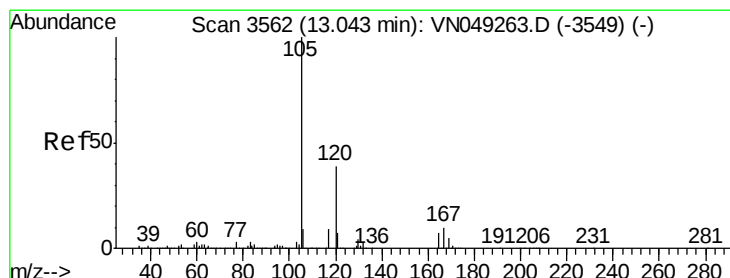
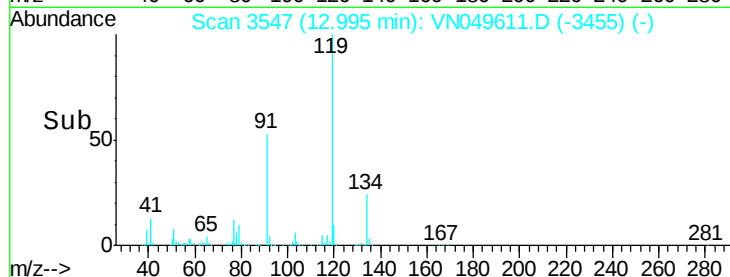
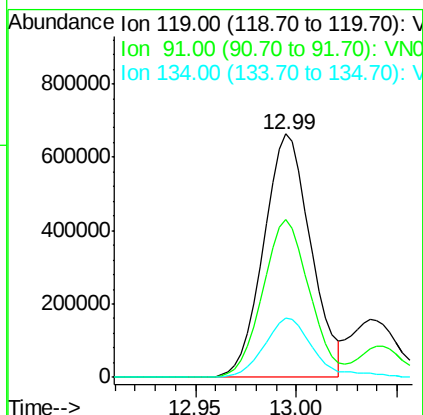
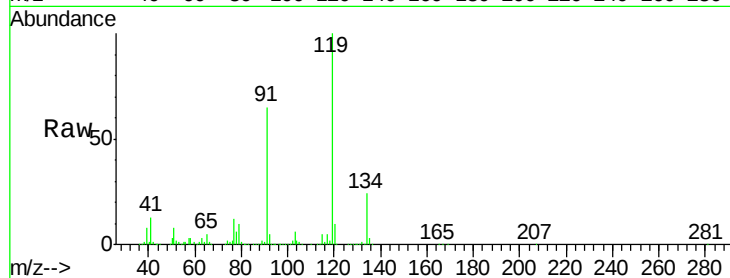
#83
 tert-Butylbenzene
 Concen: 18.13 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD02

Tot Ion:119 Resp: 1077661
 Ion Ratio Lower Upper
 119 100
 91 64.5 33.7 101.0
 134 25.4 12.9 38.6

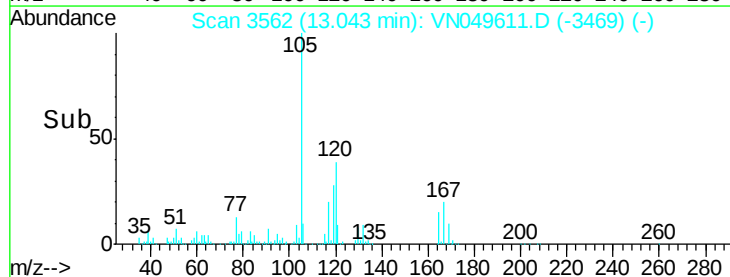
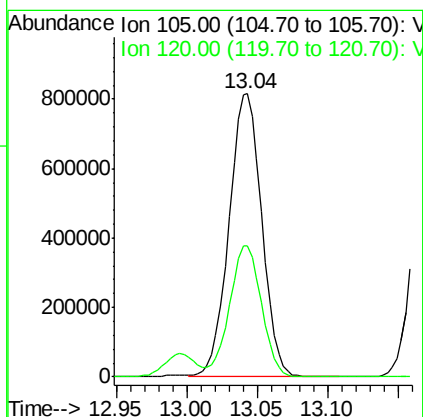
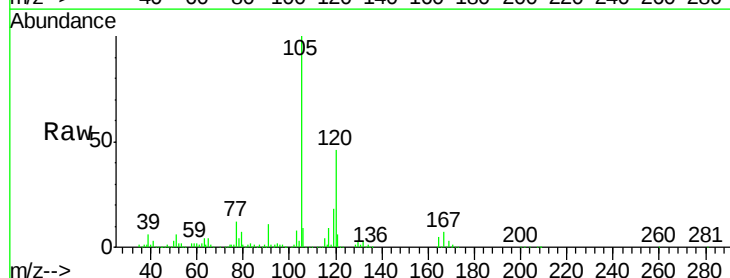
Manual Integrations
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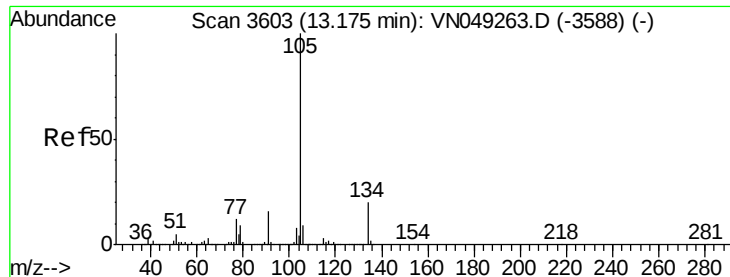
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.82 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Tgt Ion:105 Resp: 1321048
 Ion Ratio Lower Upper
 105 100
 120 45.1 22.2 66.6





#85

sec-Butylbenzene

Concen: 18.24 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

ClientSampleId :

VN0628WBSD02

Tot Ion:105 Resp: 1443106

Ion Ratio Lower Upper

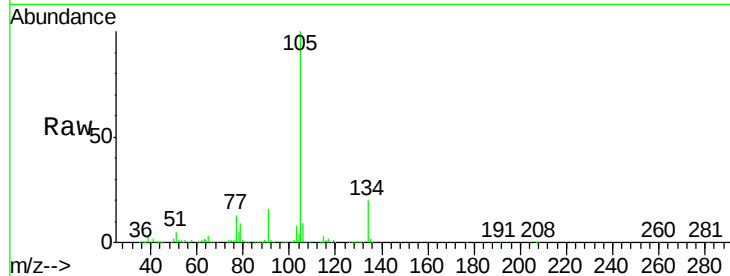
105 100

134 20.6 9.8 29.3

Manual Integrations
APPROVED

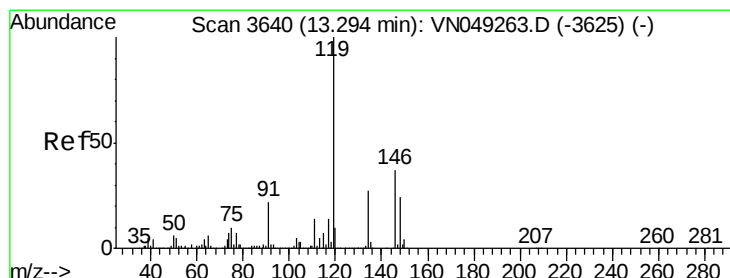
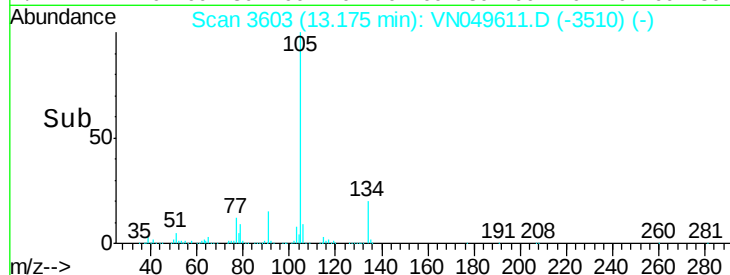
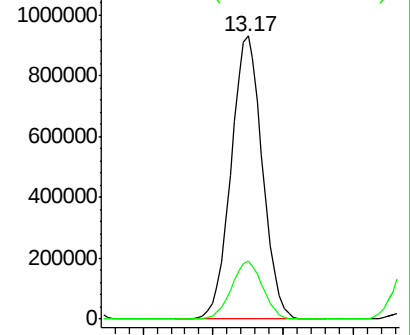
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.17 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

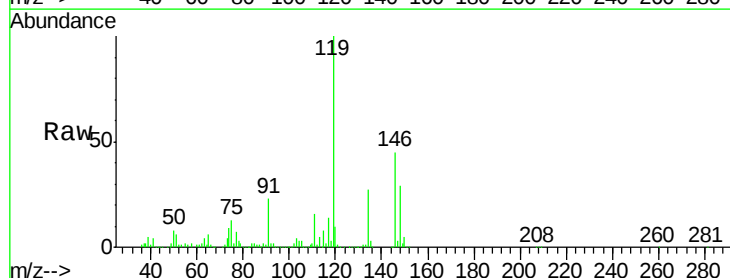
Tgt Ion:119 Resp: 1267172

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

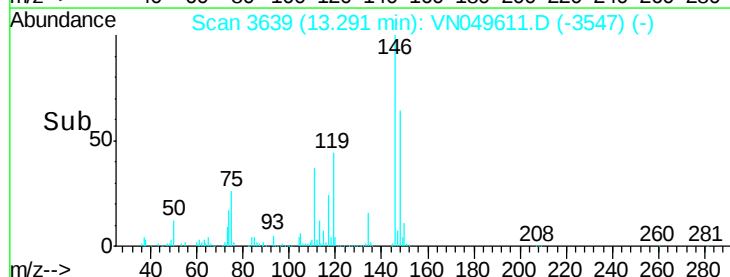
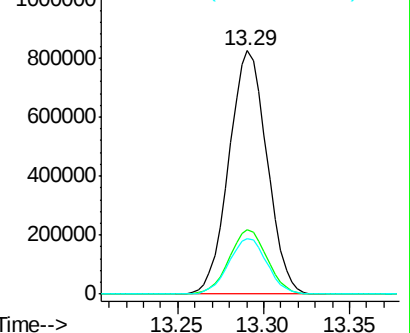
91 23.0 12.1 36.3

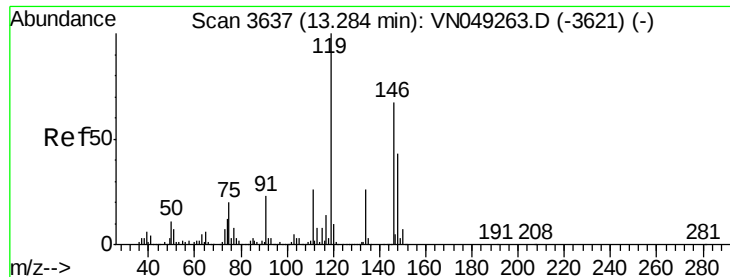


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.93 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Instrument :

MSVOA_N

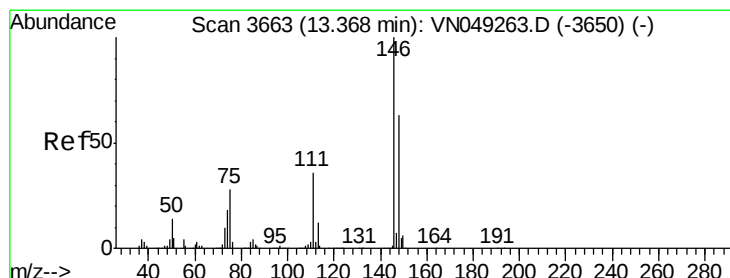
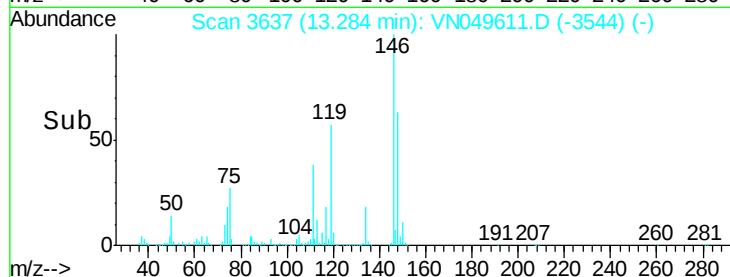
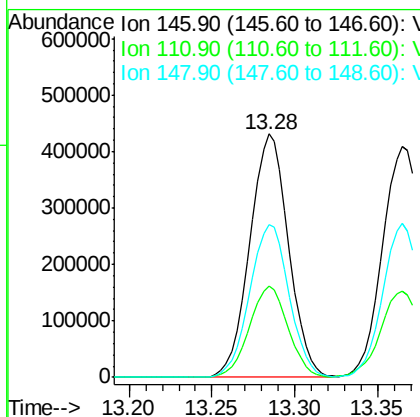
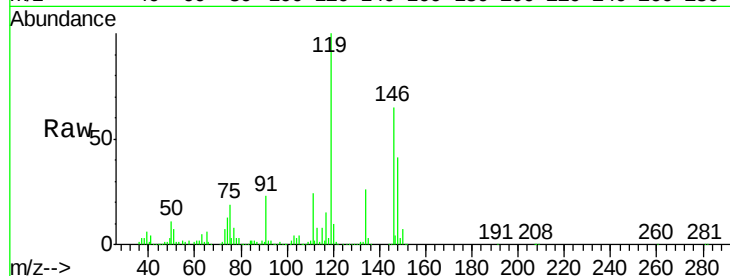
ClientSampleId :

VN0628WBSD02

Tot Ion:	146	Resp:	701941
Ion Ratio	Lower	Upper	
146	100		
111	37.5	19.9	59.6
148	63.9	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.80 ug/l

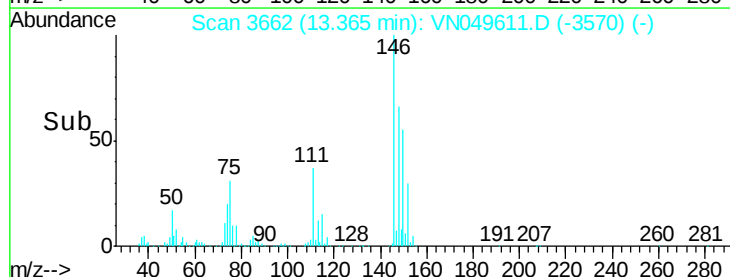
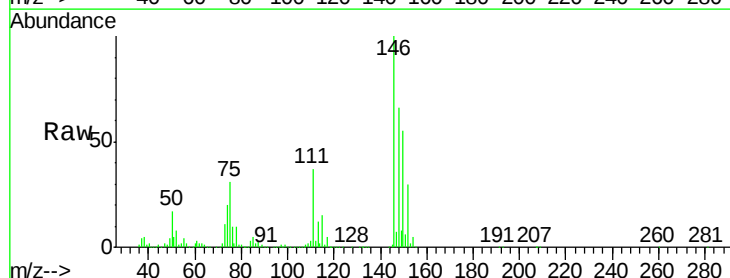
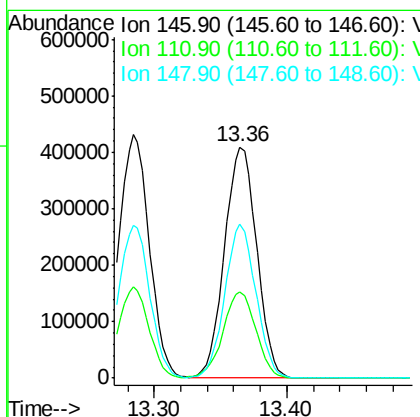
RT: 13.36 min Scan# 3662

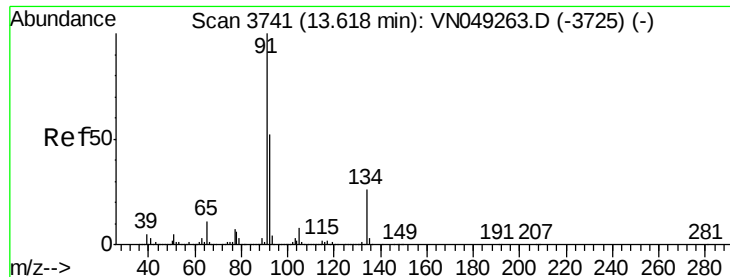
Delta R.T. -0.00 min

Lab File: VN049611.D

Acq: 29 Jun 2018 1:17

Tgt Ion:	146	Resp:	690886
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.1	57.1
148	64.1	32.0	96.2





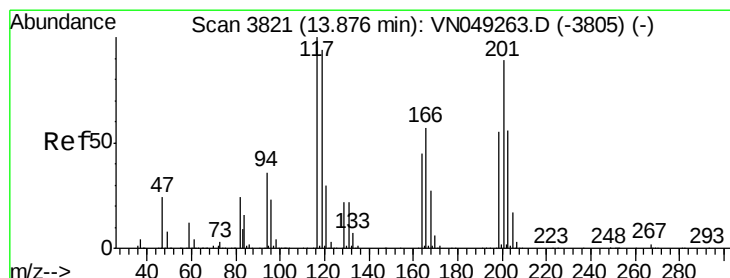
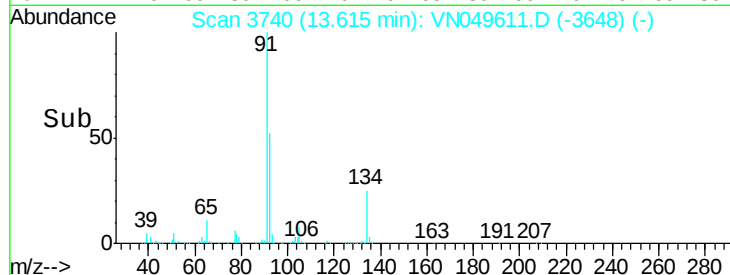
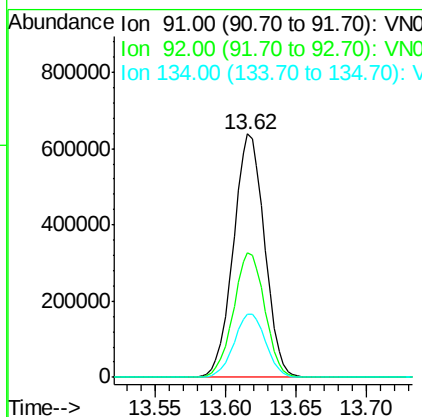
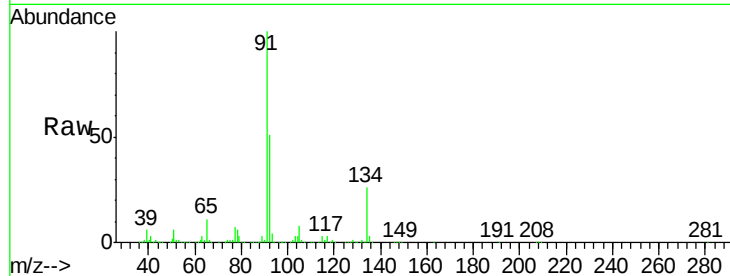
#89
n-Butylbenzene
Concen: 19.11 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.1	75.4
134	26.3	12.0	36.0

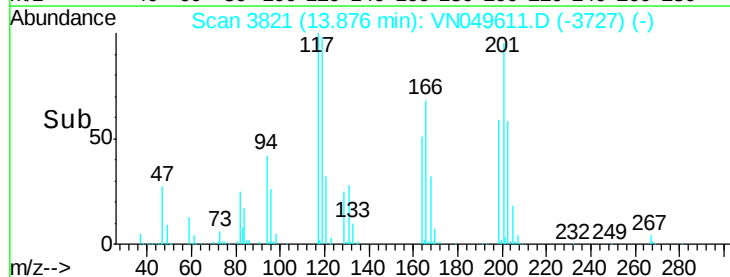
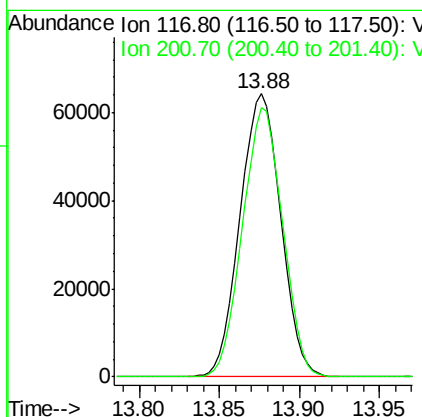
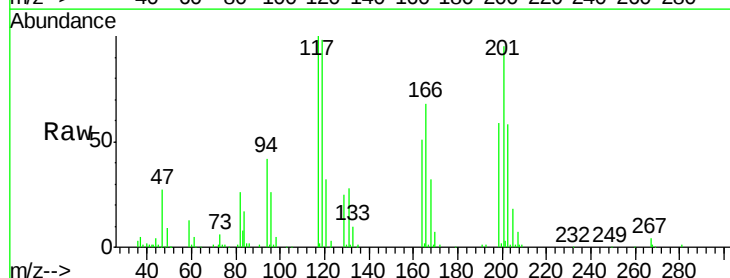
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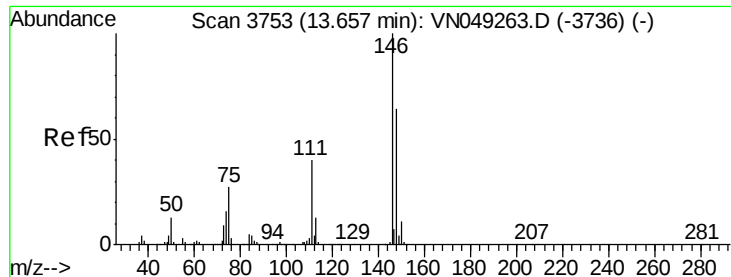
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#90
Hexachloroethane
Concen: 7.52 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.6	40.1	120.2





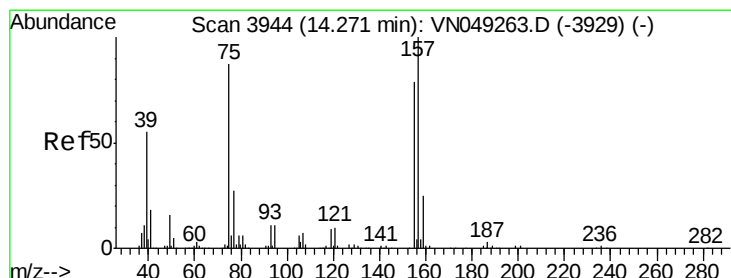
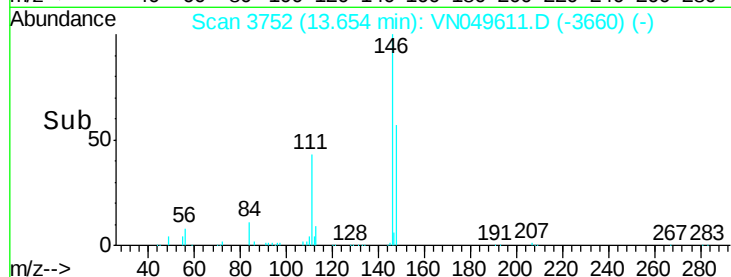
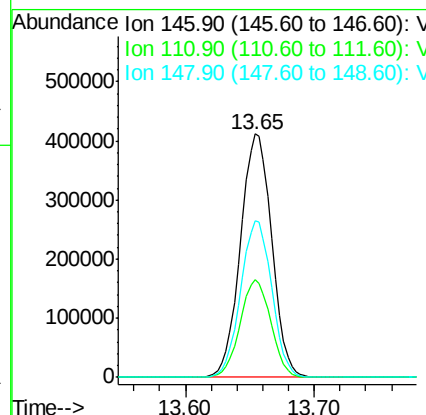
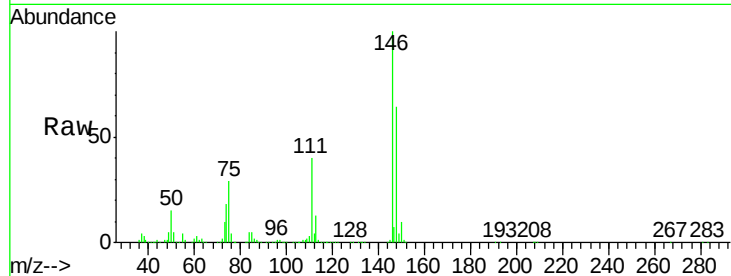
#91
 1,2-Dichlorobenzene
 Concen: 19.08 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	694043		
111	39.4	20.8	62.2	
148	64.0	32.0	96.2	

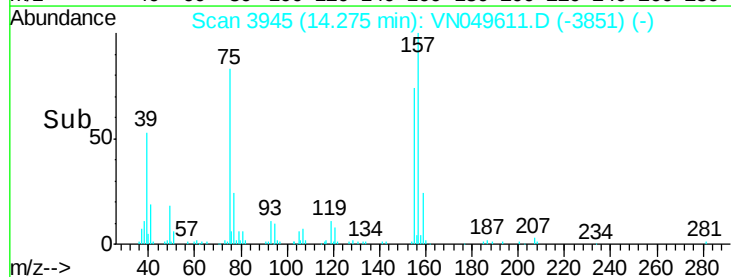
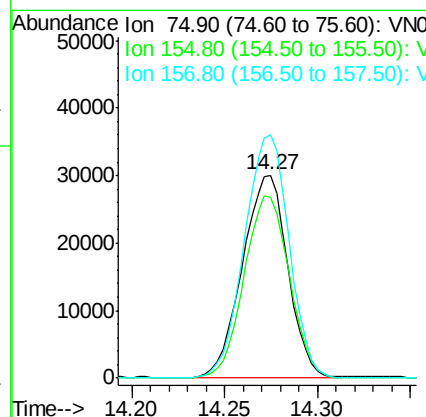
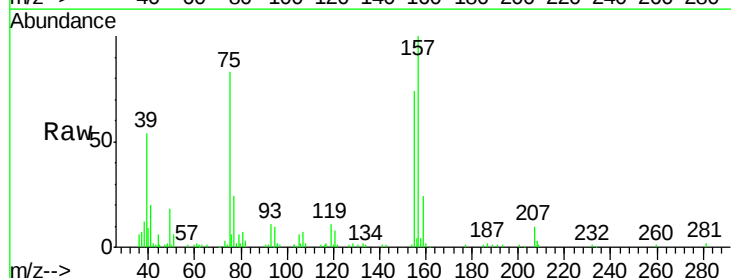
Manual Integrations
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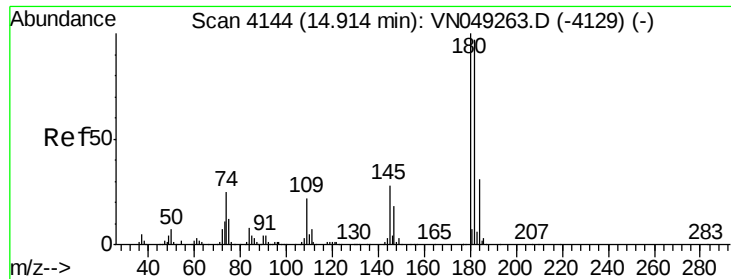
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.28 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	51346		
155	89.2	38.8	116.3	
157	118.1	51.0	153.1	





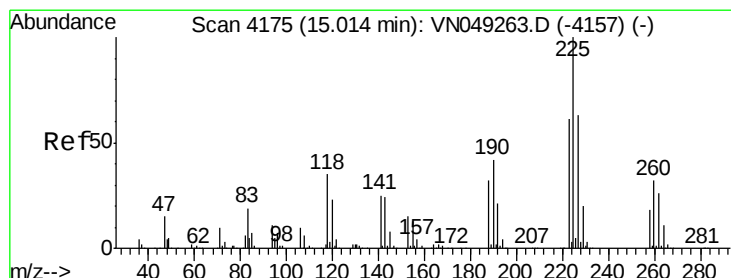
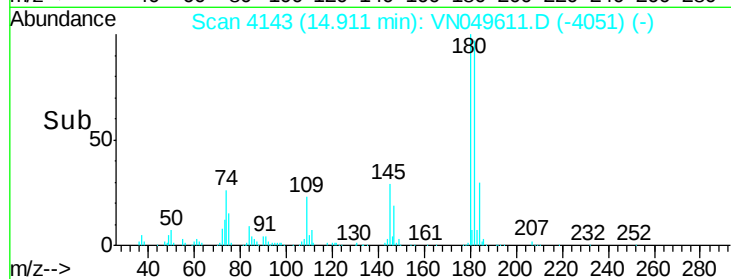
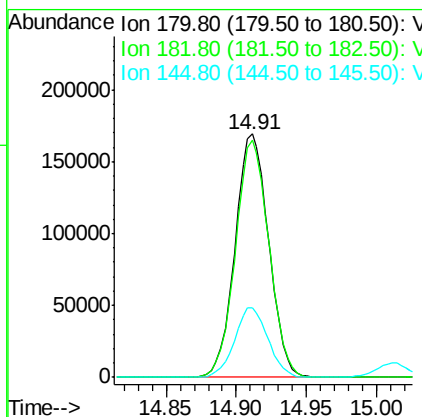
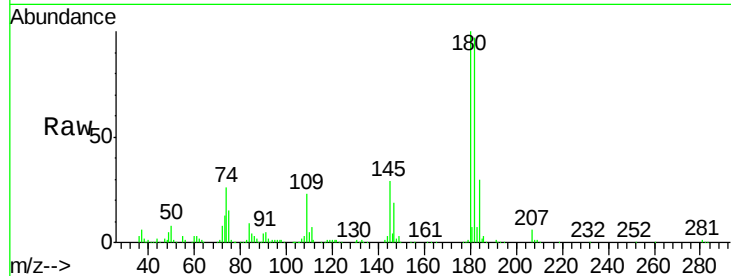
#93
 1,2,4-Trichlorobenzene
 Concen: 20.05 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0628WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	281891		
182	97.3	46.9	140.8	
145	28.5	14.7	44.1	

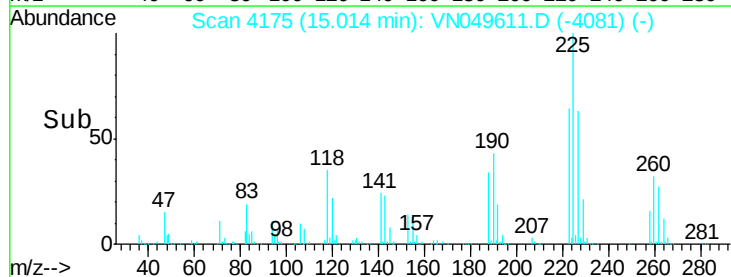
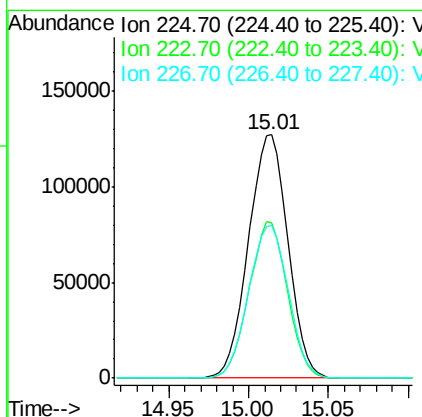
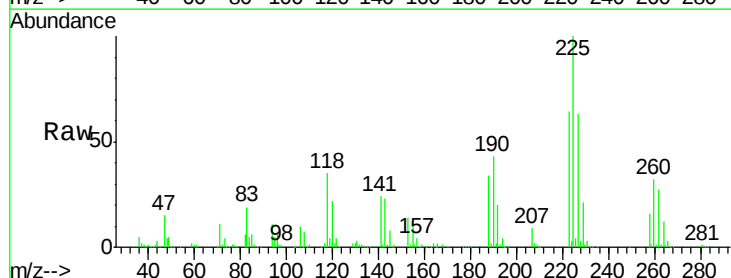
Manual Integrations
 APPROVED

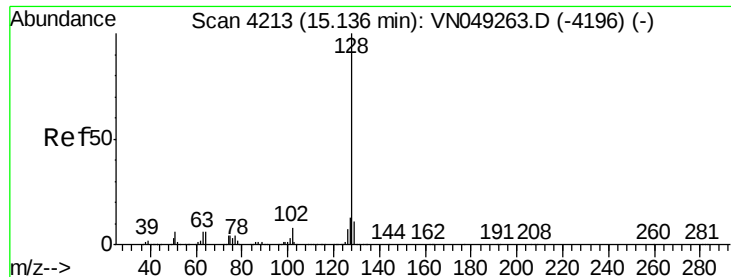
MMDadoda
 6/29/2018 1:46:49 PM



#94
 Hexachlorobutadiene
 Concen: 18.48 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049611.D
 Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	214863		
223	62.5	32.1	96.3	
227	63.1	31.8	95.3	





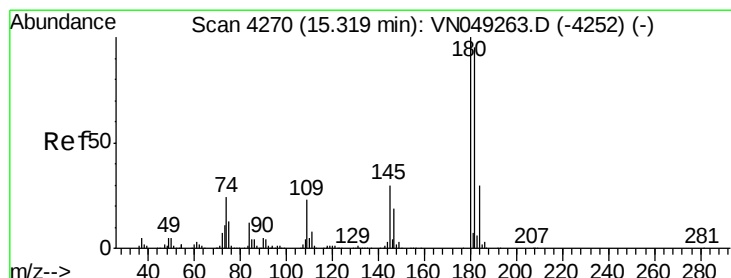
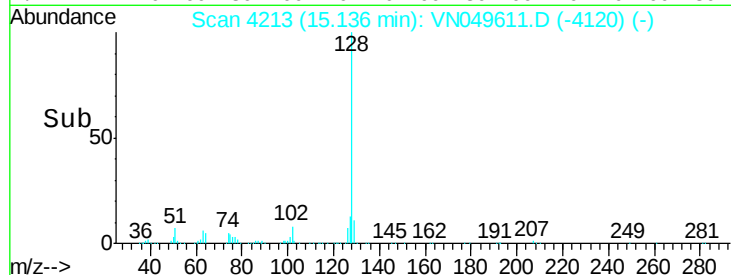
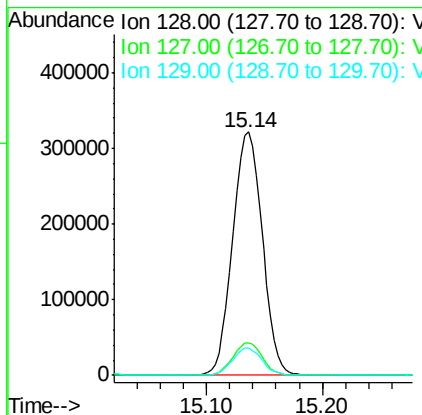
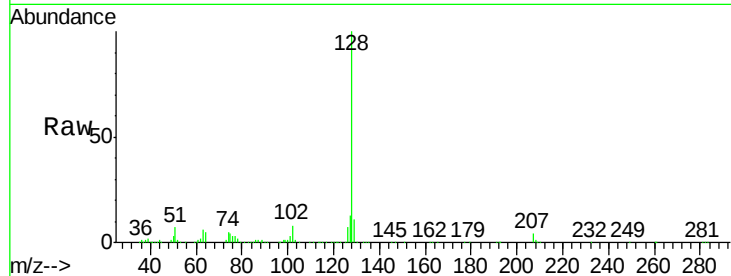
#95
Naphthalene
Concen: 22.04 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Instrument :
MSVOA_N
ClientSampleId :
VN0628WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	569695		
127	13.2	10.6	16.0	
129	11.1	8.5	12.7	

Manual Integrations
APPROVED

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6/29/2018 1:46:49 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.80 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049611.D
Acq: 29 Jun 2018 1:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	286064		
182	96.8	47.3	141.8	
145	30.7	15.6	46.7	

