

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\
 Data File : VN049478.D
 Acq On : 21 Jun 2018 19:36
 Operator : MD\SY
 Sample : VN0621WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD01

Manual Integrations
 APPROVED

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 6/22/2018 1:58:10 PM

Quant Time: Jun 22 04:47:03 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	1441420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2133070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1921274	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	909546	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	897085	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
35) Dibromofluoromethane	7.59	113	800211	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
50) Toluene-d8	10.09	98	2961894	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
62) 4-Bromofluorobenzene	12.40	95	981038	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.85	85	303641	18.30	ug/l	99
3) Chloromethane	2.06	50	380769	17.77	ug/l	99
4) Vinyl Chloride	2.18	62	414194	18.19	ug/l	99
5) Bromomethane	2.57	94	226128	18.89	ug/l	96
6) Chloroethane	2.70	64	262173	19.31	ug/l	99
7) Trichlorofluoromethane	3.02	101	543341	19.13	ug/l	100
8) Diethyl Ether	3.41	74	196512	19.82	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.76	101	337968	18.76	ug/l	94
10) Methyl Iodide	3.95	142	363744	19.40	ug/l	92
11) Tert butyl alcohol	4.80	59	115989	103.37	ug/l	99
12) 1,1-Dichloroethene	3.73	96	304067	18.40	ug/l	90
13) Acrolein	3.61	56	117835	100.14	ug/l	100
14) Allyl chloride	4.32	41	497825	19.08	ug/l	89
15) Acrylonitrile	4.99	53	578961	103.19	ug/l	98
16) Acetone	3.82	43	472172	101.72	ug/l	91
17) Carbon Disulfide	4.05	76	881131	17.01	ug/l	99
18) Methyl Acetate	4.33	43	322309	22.77	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	846223	20.08	ug/l	99
20) Methylene Chloride	4.55	84	368515	19.01	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	323877	18.51	ug/l	95
22) Diisopropyl ether	5.96	45	1057108	20.29	ug/l	97
23) Vinyl Acetate	5.90	43	3370391	99.21	ug/l	96
24) 1,1-Dichloroethane	5.85	63	631999	18.95	ug/l	99
25) 2-Butanone	6.84	43	654288	104.97	ug/l	95
26) 2,2-Dichloropropane	6.82	77	518771	19.26	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	373817	19.22	ug/l	92
28) Bromochloromethane	7.20	49	267760	18.11	ug/l #	83
29) Tetrahydrofuran	7.22	42	423493	105.55	ug/l	95
30) Chloroform	7.37	83	638679	19.24	ug/l	99
31) Cyclohexane	7.65	56	535541	18.83	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	547036	19.31	ug/l	97
36) 1,1-Dichloropropene	7.80	75	465621	19.05	ug/l	98
37) Ethyl Acetate	6.94	43	286361	21.55	ug/l #	97
38) Carbon Tetrachloride	7.78	117	483144	19.09	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	476250	18.15	ug/l	99
40) Benzene	8.04	78	1439857	19.21	ug/l	99
41) Methacrylonitrile	7.18	41	136774	19.04	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	455221	19.66	ug/l	96
43) Isopropyl Acetate	8.17	43	561615	22.12	ug/l	98
44) Trichloroethene	8.84	130	386719	19.54	ug/l	97
45) 1,2-Dichloropropane	9.12	63	382192	19.48	ug/l	99
46) Dibromomethane	9.21	93	225720	19.84	ug/l	92
47) Bromodichloromethane	9.41	83	485245	19.41	ug/l	97
48) Methyl methacrylate	9.20	41	257840	21.56	ug/l	89
49) 1,4-Dioxane	9.20	88	66631	403.72	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1443894	108.49	ug/l	95
52) Toluene	10.16	92	874883	19.89	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	456928	19.10	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	543814	19.25	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	320357	19.54	ug/l	99
56) Ethyl methacrylate	10.43	69	389722	20.60	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	533690	19.65	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	436914	75.22	ug/l	95
59) 2-Hexanone	10.75	43	931109	108.52	ug/l	93
60) Dibromochloromethane	10.90	129	362474	19.80	ug/l	98
61) 1,2-Dibromoethane	11.01	107	304673	19.99	ug/l	99
64) Tetrachloroethene	10.63	164	421330	21.40	ug/l	97
65) Chlorobenzene	11.44	112	946494	19.12	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	356983	19.17	ug/l	99
67) Ethyl Benzene	11.51	91	1575101	19.19	ug/l	97
68) m/p-Xylenes	11.63	106	1223808	39.72	ug/l	97
69) o-Xylene	11.95	106	586896	19.78	ug/l	95
70) Styrene	11.97	104	942131	20.12	ug/l	98
71) Bromoform	12.13	173	238897	19.82	ug/l #	100
73) Isopropylbenzene	12.25	105	1563876	19.58	ug/l	98
74) N-amyl acetate	12.07	43	394102	20.15	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	366776	21.03	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	323750m	20.86	ug/l	
77) Bromobenzene	12.53	156	398205	18.88	ug/l	92
78) n-propylbenzene	12.59	91	1738613	19.83	ug/l	99
79) 2-Chlorotoluene	12.68	91	1073287	19.32	ug/l	97
80) 1,3,5-Trimethylbenzene	12.74	105	1260590	20.08	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	101013	20.57	ug/l	89
82) 4-Chlorotoluene	12.78	91	1055845	19.70	ug/l	97
83) tert-Butylbenzene	13.00	119	1090143	19.60	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	1267134	20.32	ug/l	99
85) sec-Butylbenzene	13.17	105	1419679	19.18	ug/l	99
86) p-Isopropyltoluene	13.29	119	1191773	19.27	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	663250	19.11	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	634988	18.46	ug/l	99
89) n-Butylbenzene	13.62	91	861523	17.84	ug/l	97
90) Hexachloroethane	13.88	117	247668	20.15	ug/l	92
91) 1,2-Dichlorobenzene	13.66	146	657525	19.32	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57878	20.82	ug/l	92

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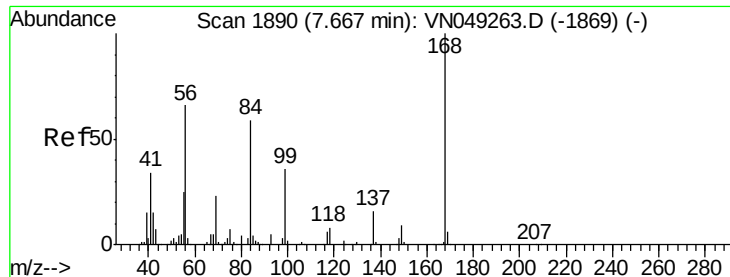
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	212778	17.09	ug/l	100
94) Hexachlorobutadiene	15.01	225	204676	18.87	ug/l	99
95) Naphthalene	15.14	128	436833	18.60	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	233905	17.74	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

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Instrument :

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ClientSampleId :

VN0621WBSD01

Tot Ion:168 Resp: 1441420

Ion Ratio Lower Upper

168 100

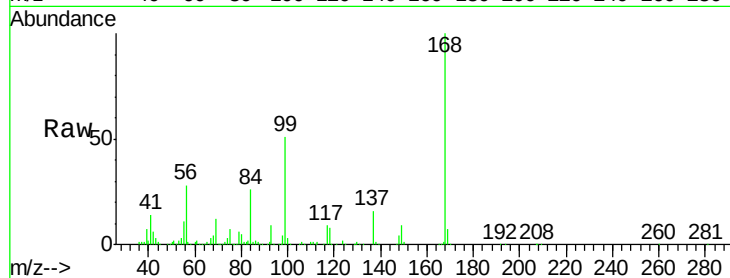
99 51.3 45.8 68.6

Manual Integrations

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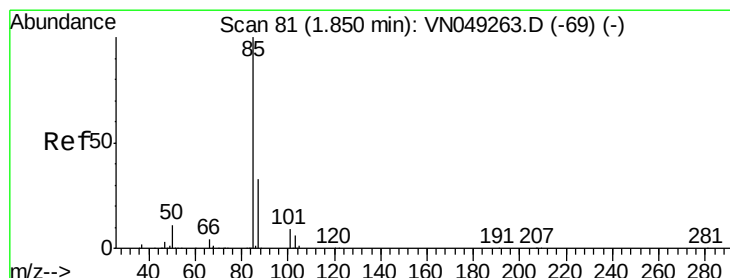
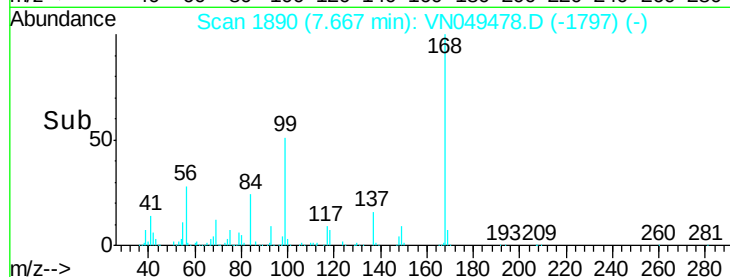
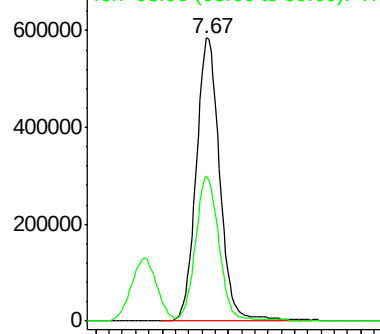
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.30 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049478.D

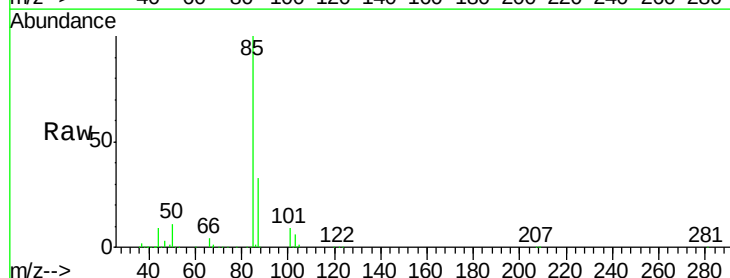
Acq: 21 Jun 2018 19:36

Tgt Ion: 85 Resp: 303641

Ion Ratio Lower Upper

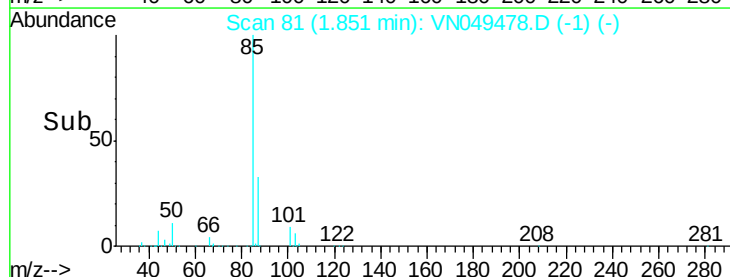
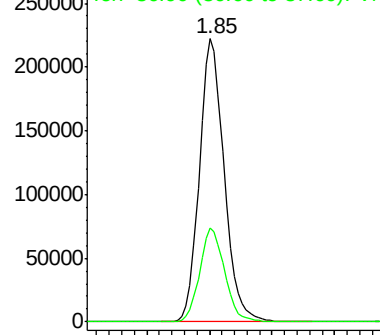
85 100

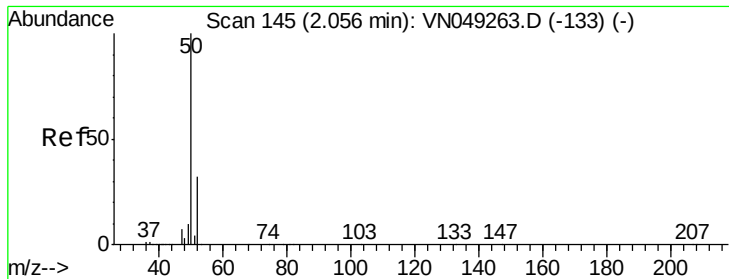
87 33.0 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.77 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD01

Tot Ion: 50 Resp: 380769

Ion Ratio Lower Upper

50 100

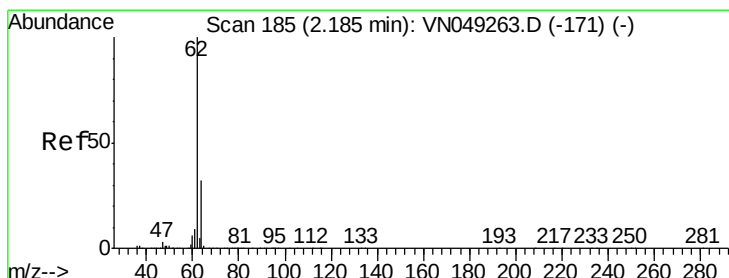
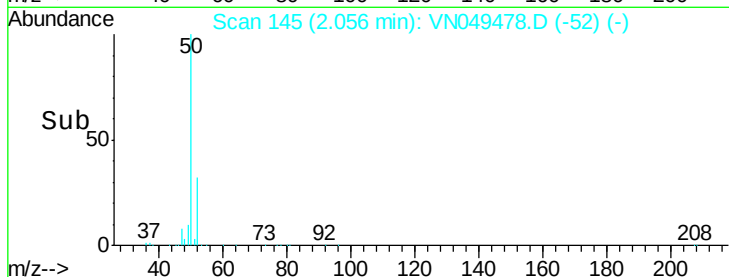
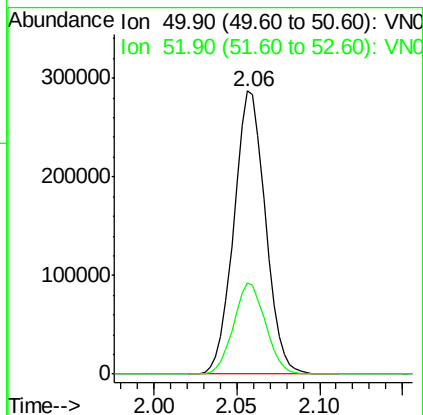
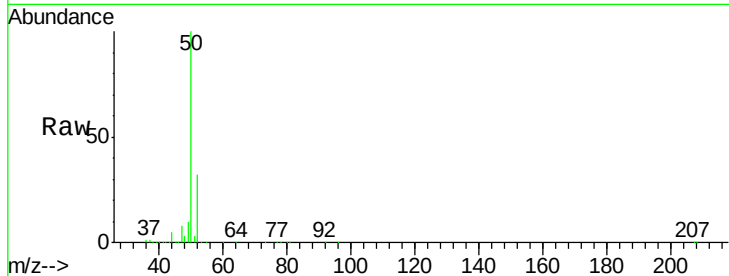
52 32.2 25.2 37.8

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#4

Vinyl Chloride

Concen: 18.19 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049478.D

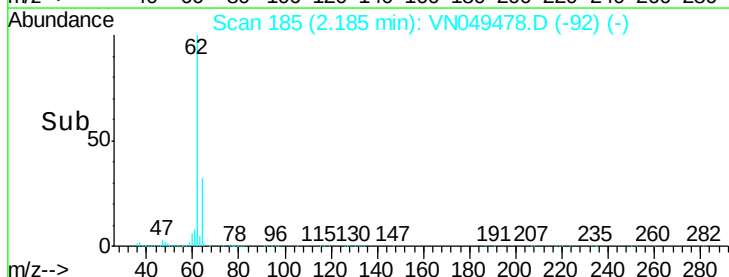
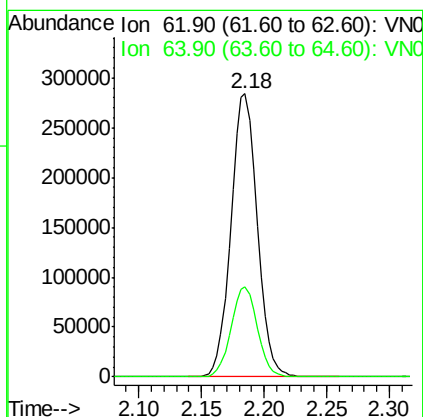
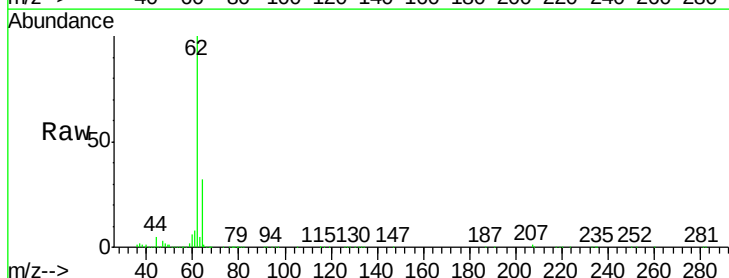
Acq: 21 Jun 2018 19:36

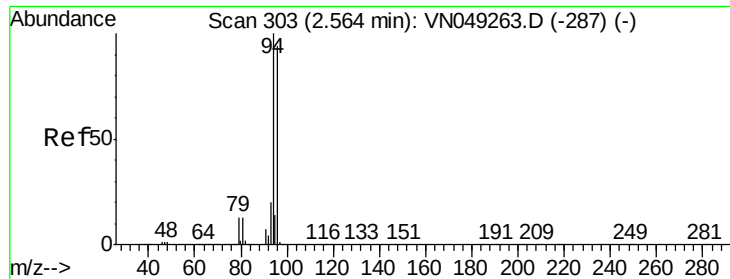
Tgt Ion: 62 Resp: 414194

Ion Ratio Lower Upper

62 100

64 31.6 25.7 38.5





#5

Bromomethane

Concen: 18.89 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

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VN0621WBSD01

Tot Ion: 94 Resp: 226128

Ion Ratio Lower Upper

94 100

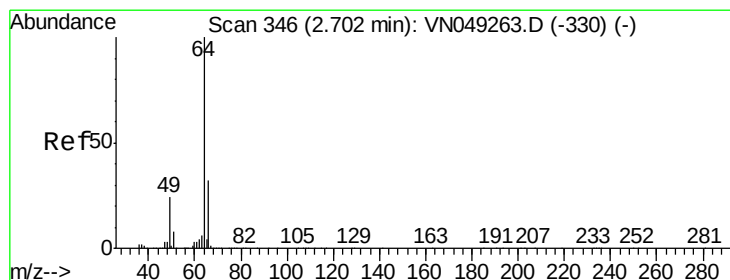
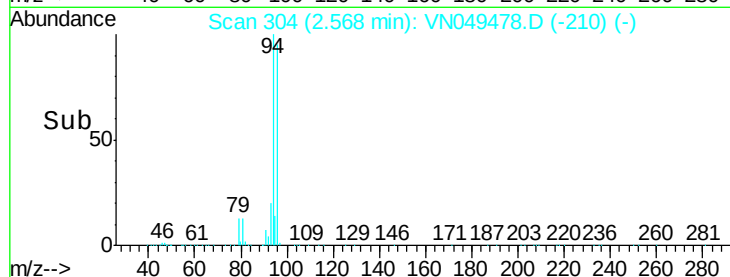
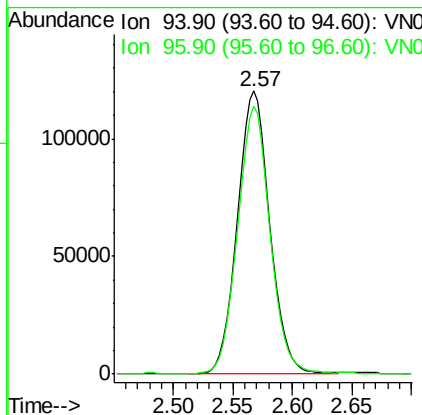
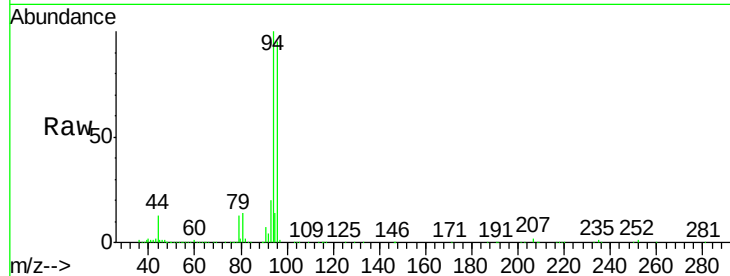
96 94.7 72.8 109.2

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#6

Chloroethane

Concen: 19.31 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049478.D

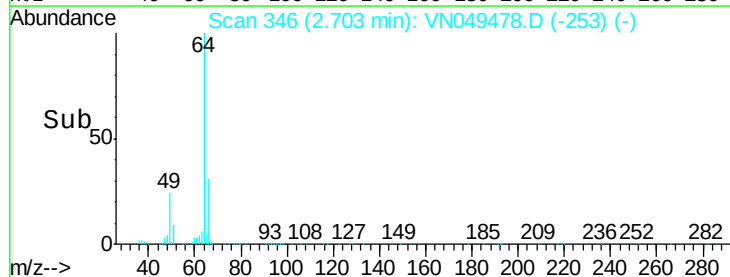
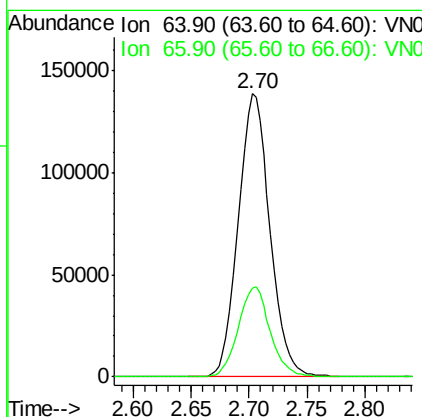
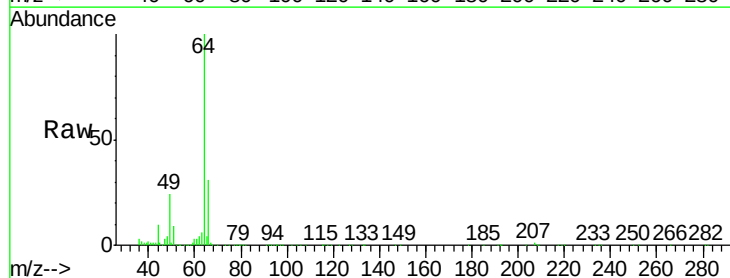
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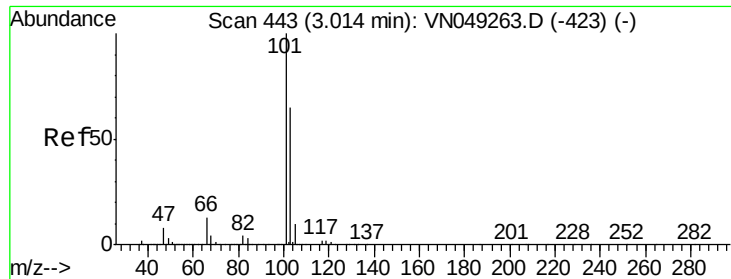
Tgt Ion: 64 Resp: 262173

Ion Ratio Lower Upper

64 100

66 31.2 25.6 38.4





#7

Trichlorofluoromethane

Concen: 19.13 ug/l

RT: 3.02 min Scan# 444

Delta R.T. 0.00 min

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Tot Ion:101 Resp: 543341

Ion Ratio Lower Upper

101 100

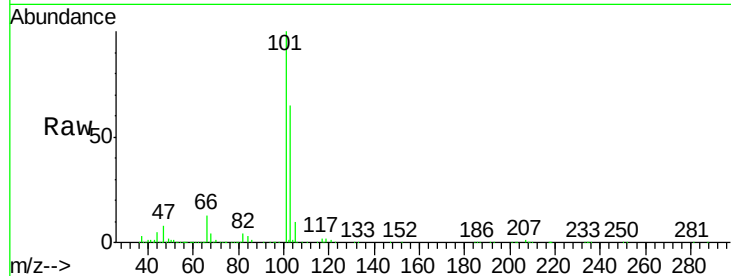
103 64.9 51.7 77.5

Manual Integrations

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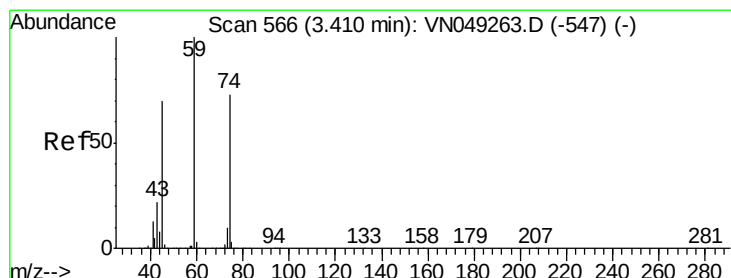
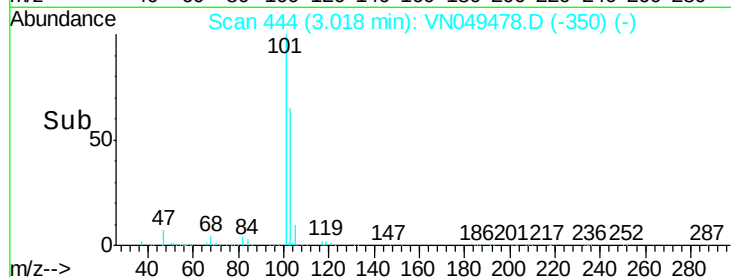
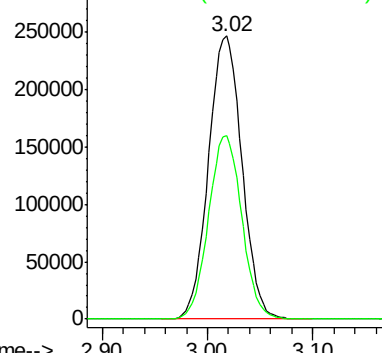
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.82 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049478.D

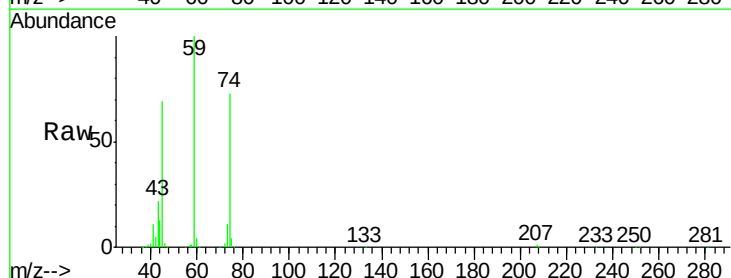
Acq: 21 Jun 2018 19:36

Tgt Ion: 74 Resp: 196512

Ion Ratio Lower Upper

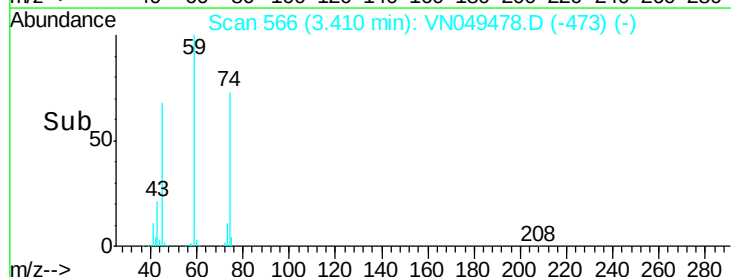
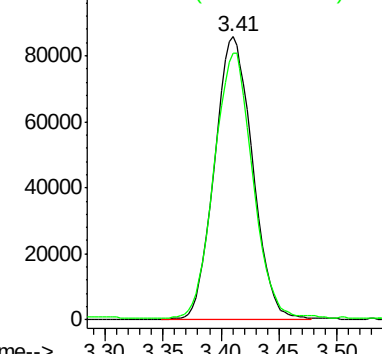
74 100

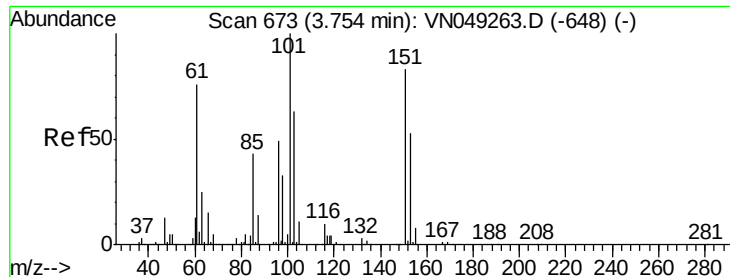
45 94.5 51.9 155.8



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: 18.76 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049478.D

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Instrument :

MSVOA_N

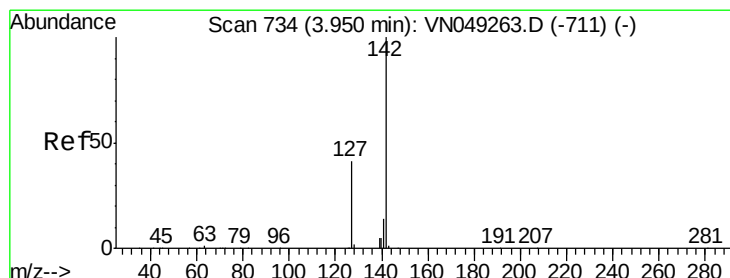
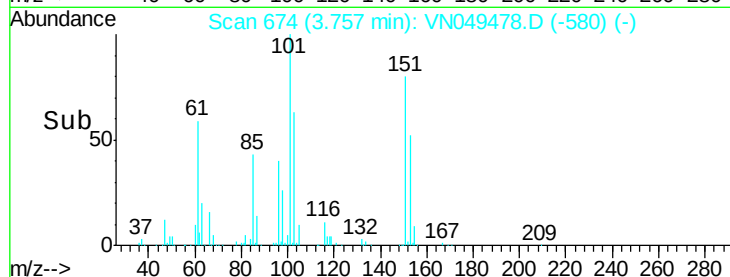
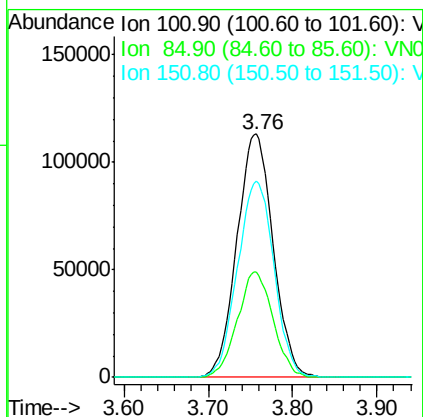
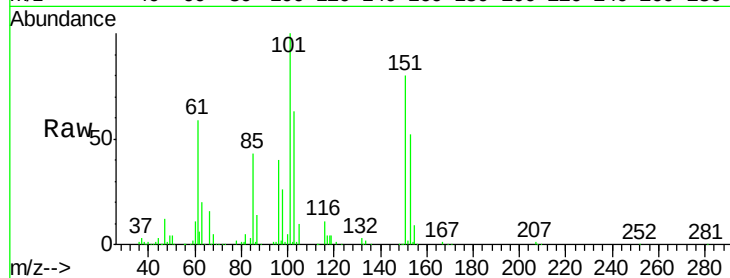
ClientSampleId :

VN0621WBSD01

Tot Ion:	101	Resp:	337968
Ion Ratio	Lower	Upper	
101	100		
85	42.6	37.6	56.4
151	81.3	61.1	91.7

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#10

Methyl Iodide

Concen: 19.40 ug/l

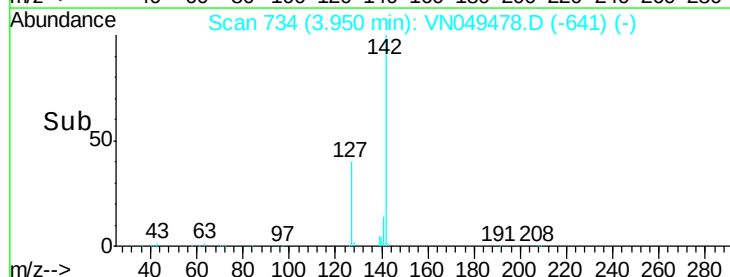
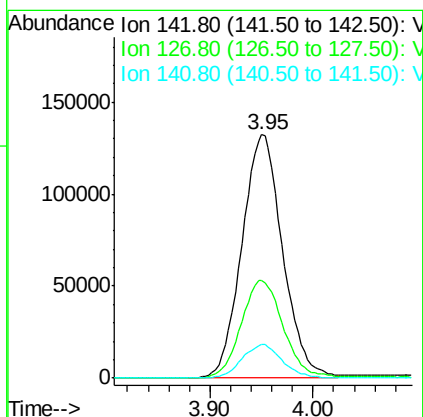
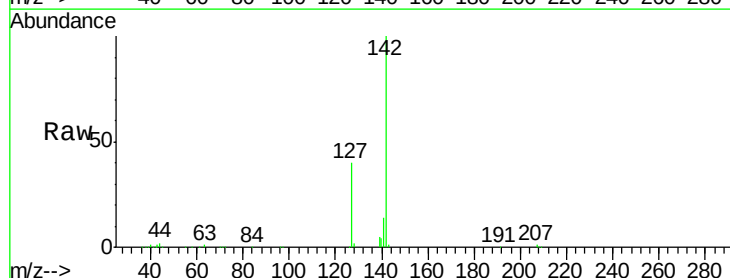
RT: 3.95 min Scan# 734

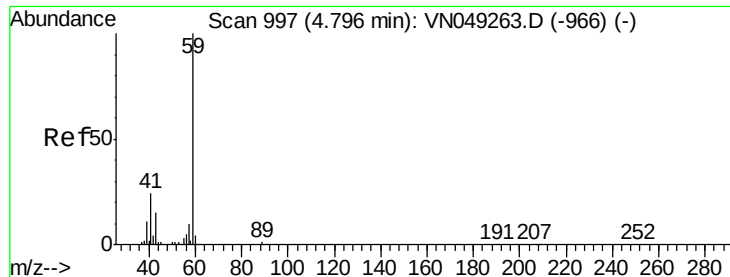
Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion:	142	Resp:	363744
Ion Ratio	Lower	Upper	
142	100		
127	41.4	38.2	57.4
141	13.7	11.9	17.9





#11

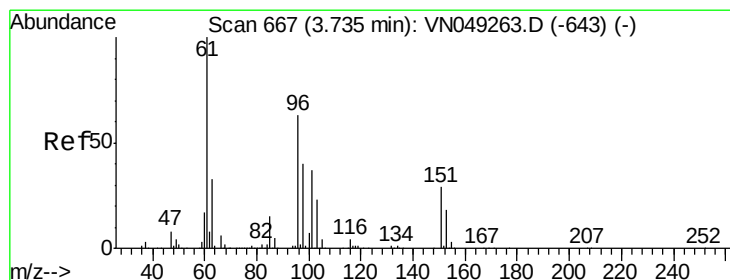
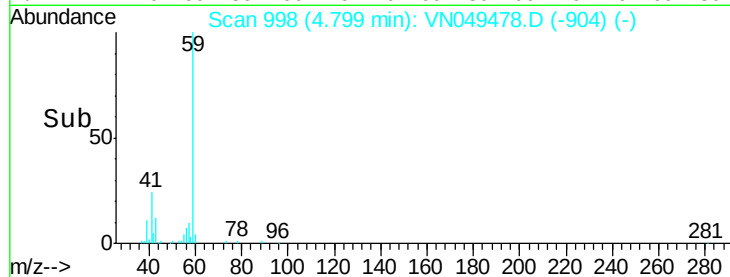
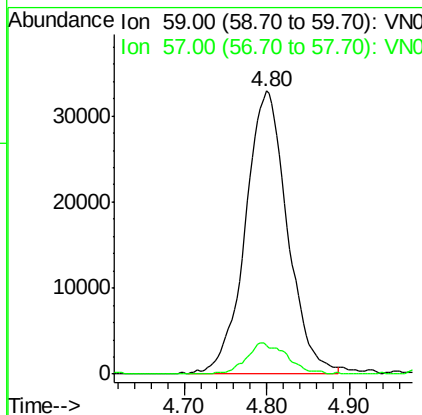
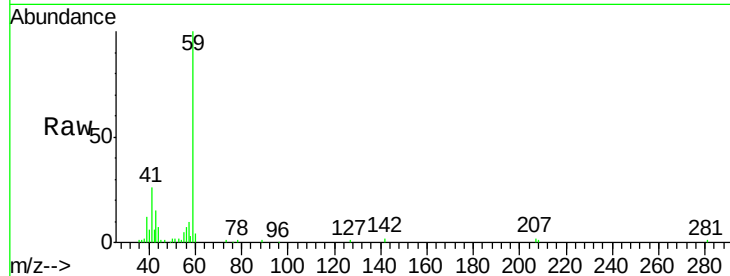
Tert butyl alcohol
 Concen: 103.37 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.6

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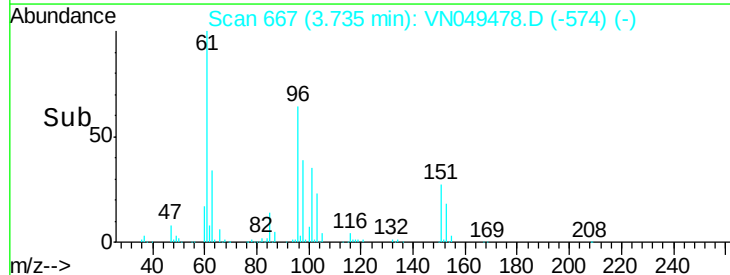
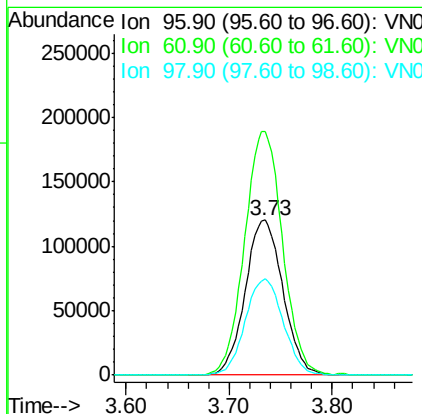
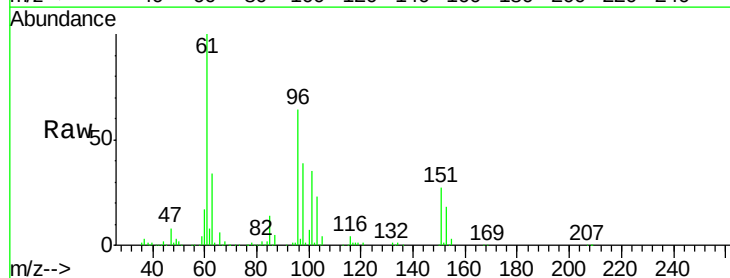
apatel
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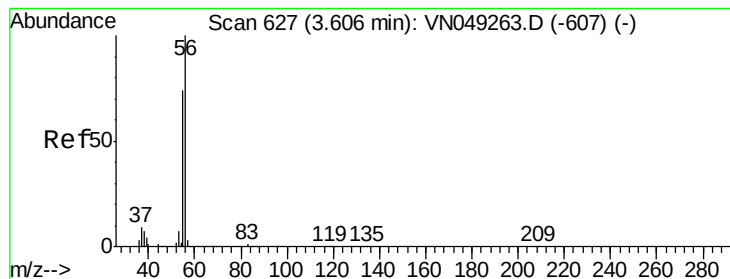


#12

1,1-Dichloroethene
 Concen: 18.40 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	141.0	211.4
98	61.9	50.4	75.6





#13

Acrolein

Concen: 100.14 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0621WBSD01

Tot Ion: 56 Resp: 117835

Ion Ratio Lower Upper

56 100

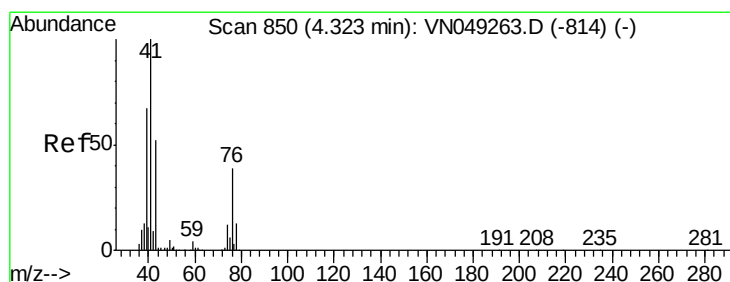
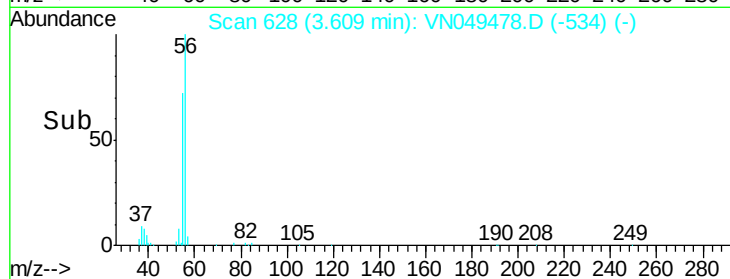
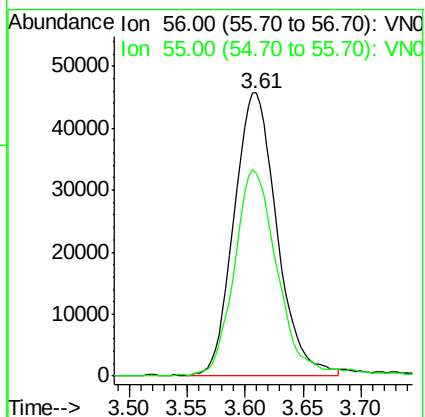
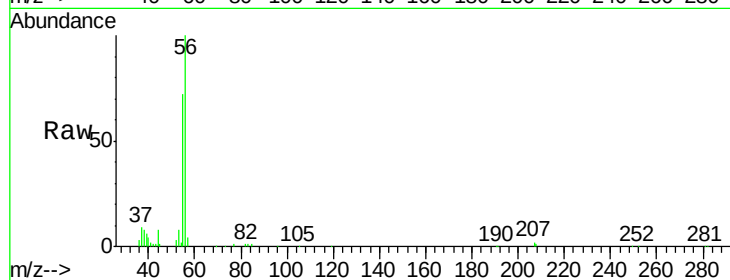
55 71.2 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 19.08 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

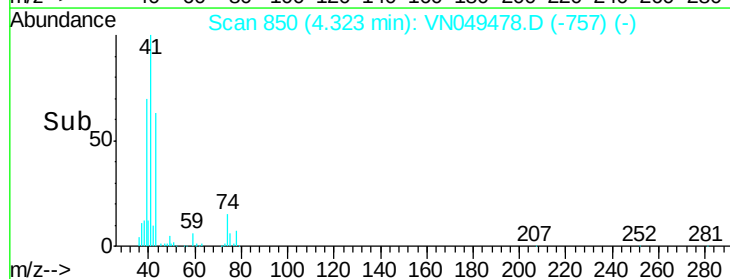
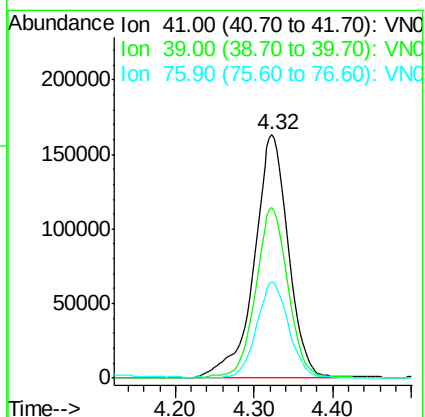
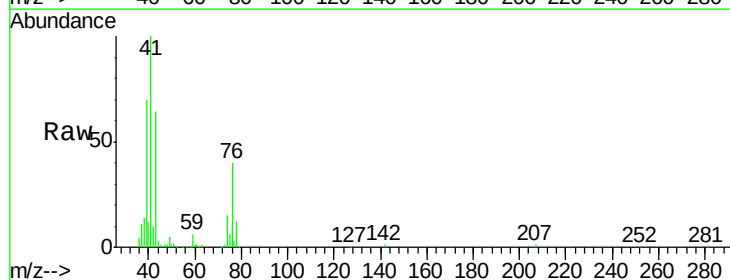
Tgt Ion: 41 Resp: 497825

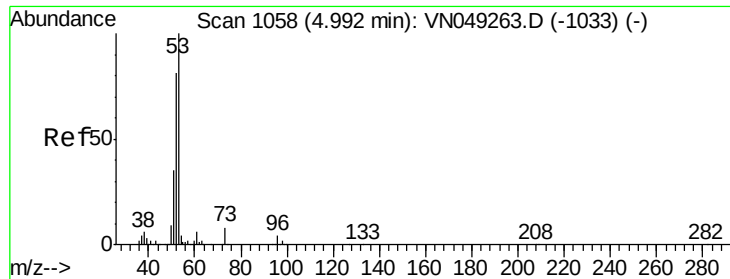
Ion Ratio Lower Upper

41 100

39 66.2 62.5 93.7

76 36.7 27.1 40.7





#15

Acrylonitrile

Concen: 103.19 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

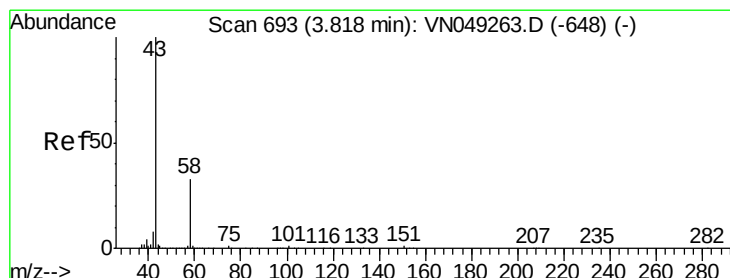
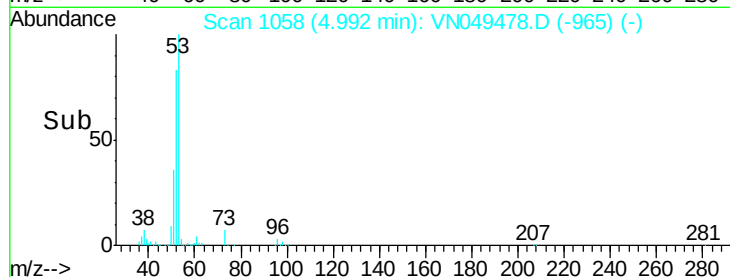
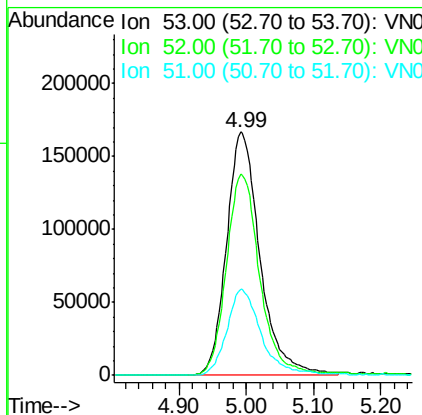
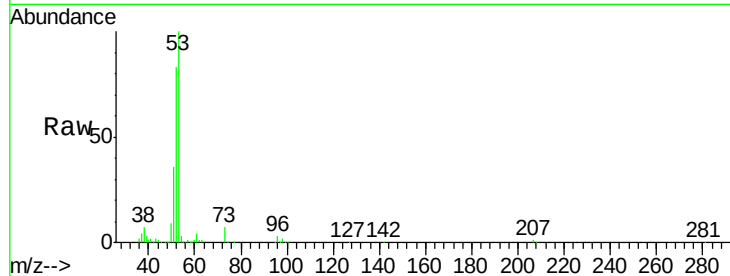
ClientSampleId :

VN0621WBSD01

Tot Ion:	53	Resp:	578961
Ion Ratio	Lower	Upper	
53	100		
52	82.5	66.6	100.0
51	35.4	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 101.72 ug/l

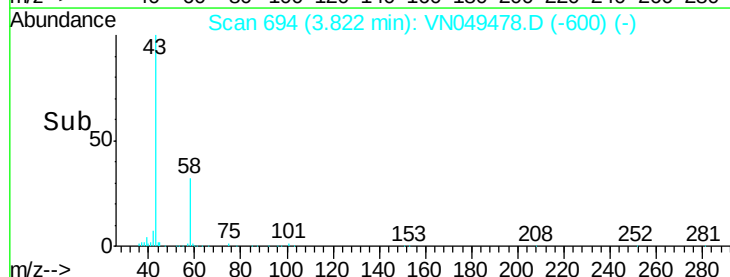
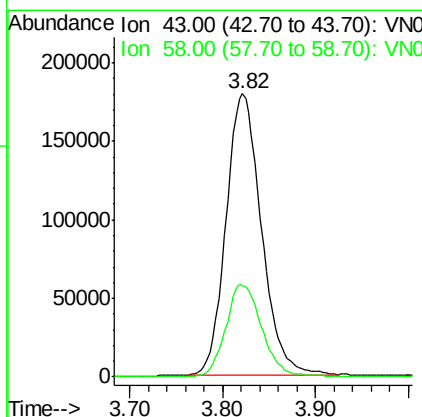
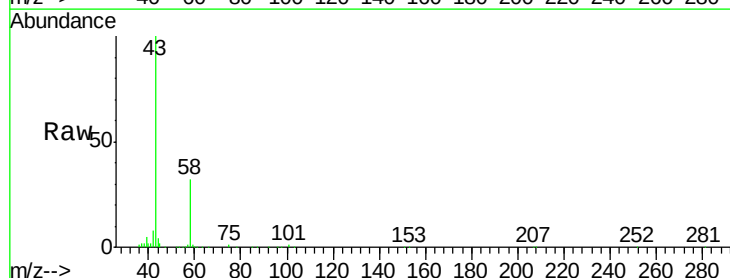
RT: 3.82 min Scan# 694

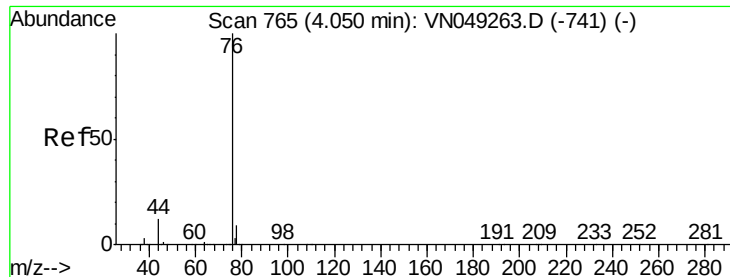
Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion:	43	Resp:	472172
Ion Ratio	Lower	Upper	
43	100		
58	32.5	22.4	33.6





#17

Carbon Disulfide

Concen: 17.01 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD01

Tot Ion: 76 Resp: 881131

Ion Ratio Lower Upper

76 100

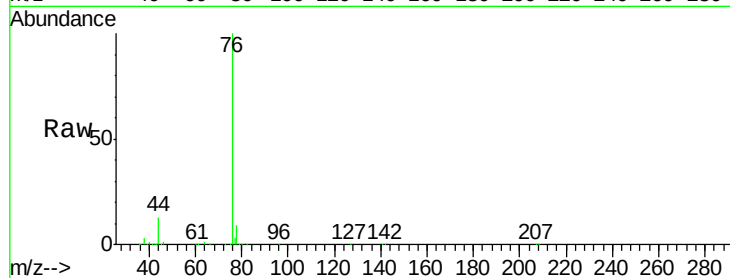
78 8.8 7.4 11.0

Manual Integrations

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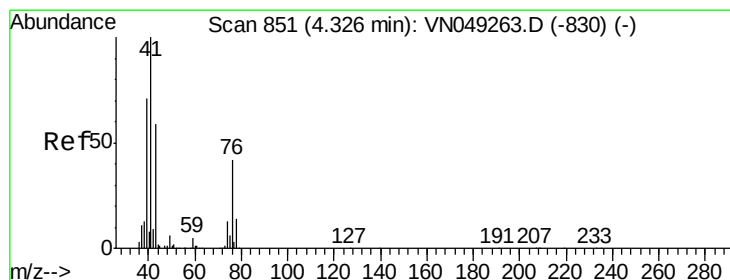
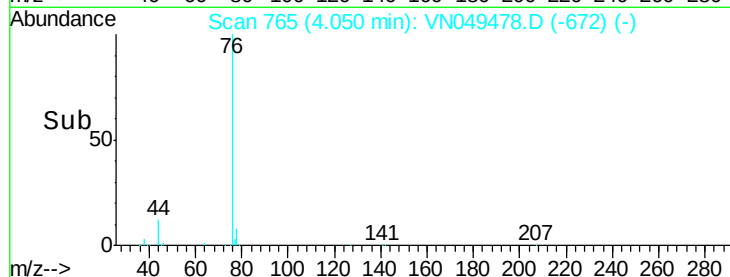
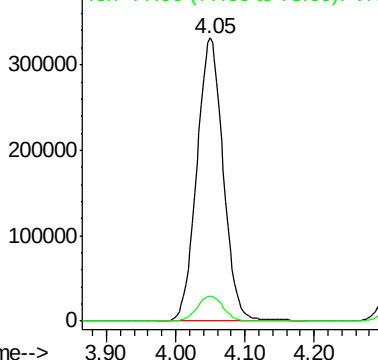
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 22.77 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049478.D

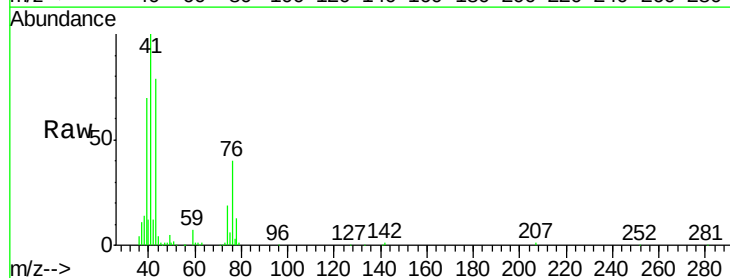
Acq: 21 Jun 2018 19:36

Tgt Ion: 43 Resp: 322309

Ion Ratio Lower Upper

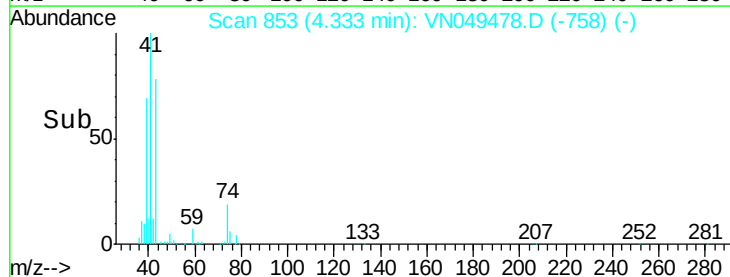
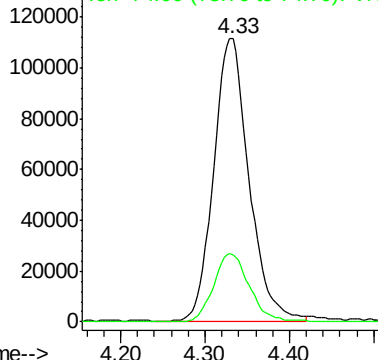
43 100

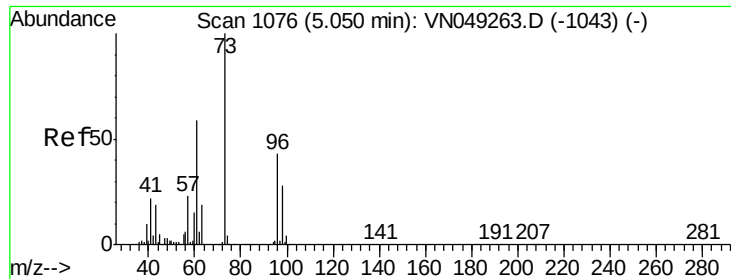
74 24.2 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





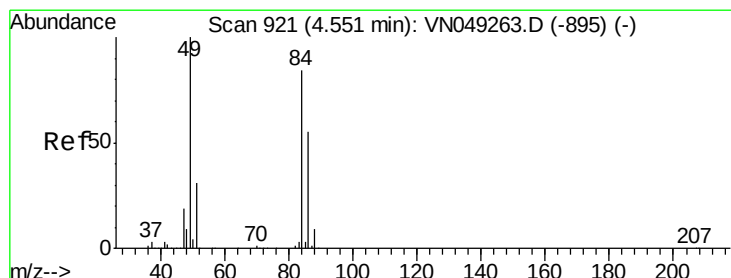
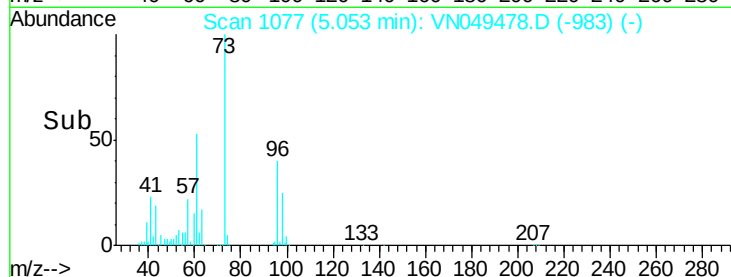
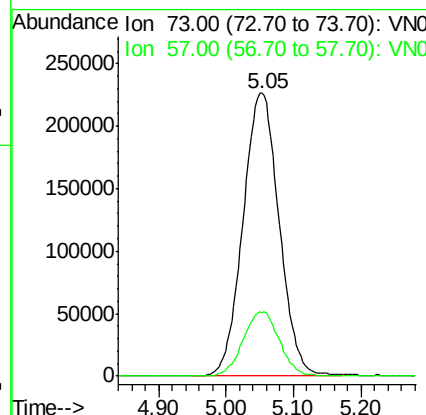
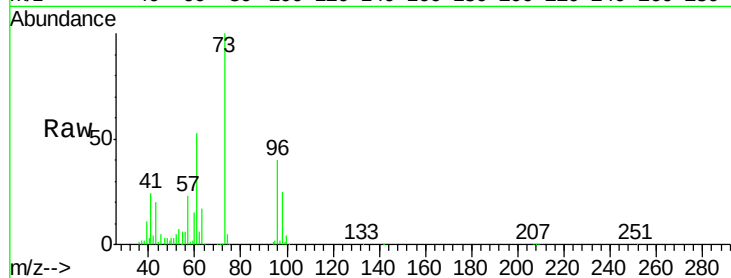
#19
Methyl tert-butyl Ether
Concen: 20.08 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD01

Tot Ion	73	Resp	846223
Ion Ratio	73	100	
Lower	57	22.5	18.2
Upper			27.4

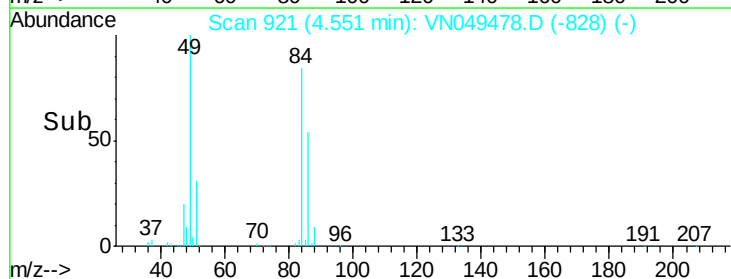
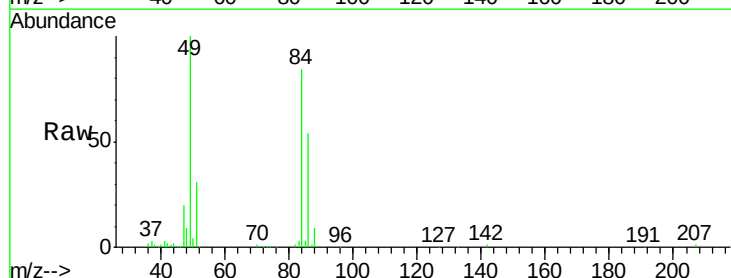
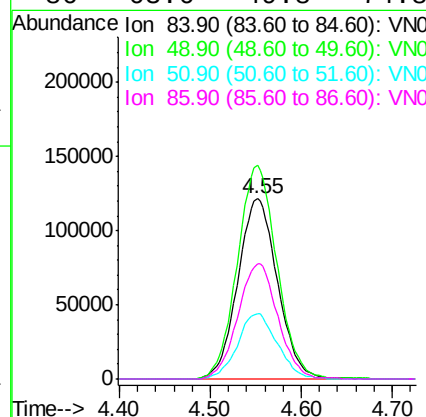
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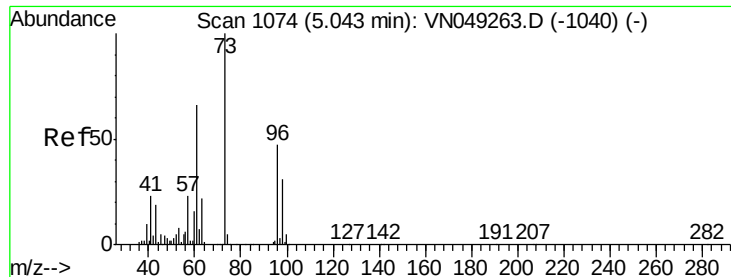
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#20
Methylene Chloride
Concen: 19.01 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion	84	Resp	368515
Ion Ratio	84	100	
Lower	49	118.2	106.9
Upper	51	36.4	32.7
	86	63.6	49.8
			74.8





#21

trans-1,2-Dichloroethene

Concen: 18.51 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

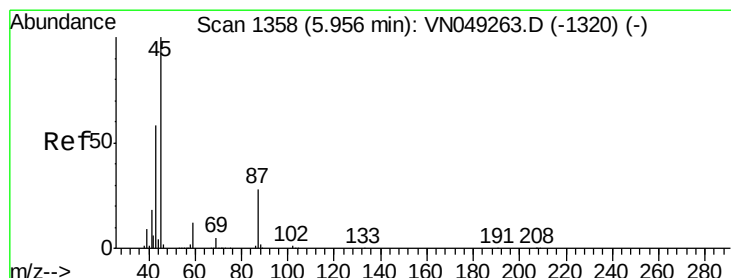
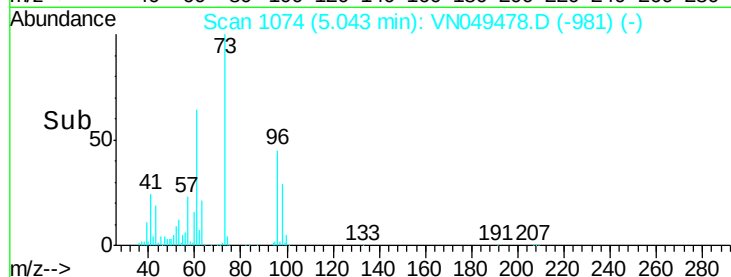
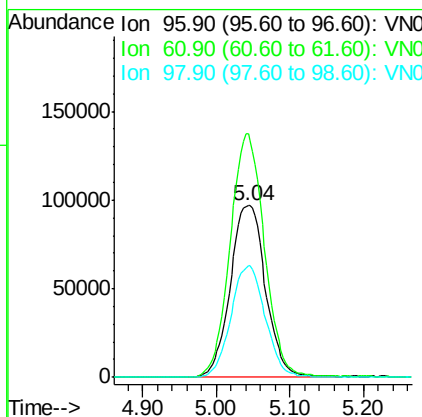
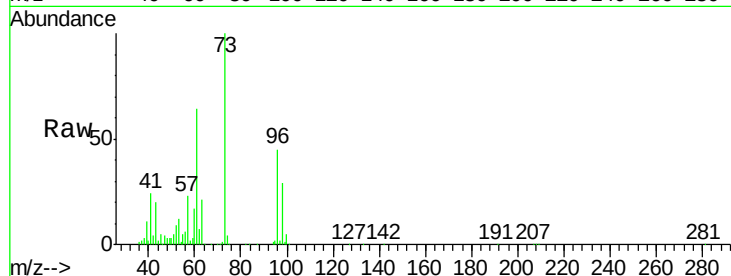
ClientSampleId :

VN0621WBSD01

Tot Ion:	96	Resp:	323877
Ion	Ratio	Lower	Upper
96	100		
61	141.7	121.3	181.9
98	65.0	52.0	78.0

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#22

Diisopropyl ether

Concen: 20.29 ug/l

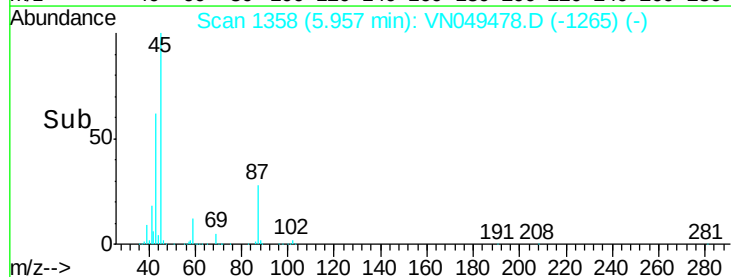
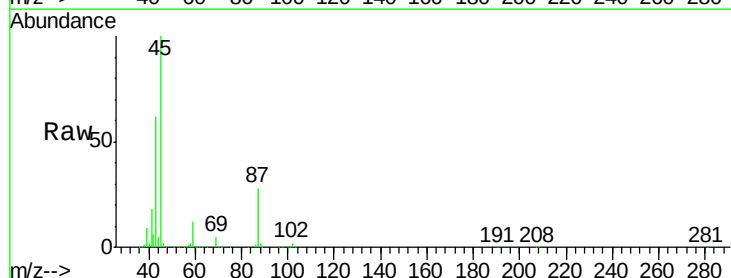
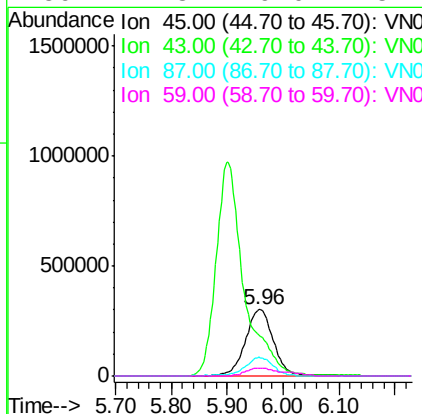
RT: 5.96 min Scan# 1358

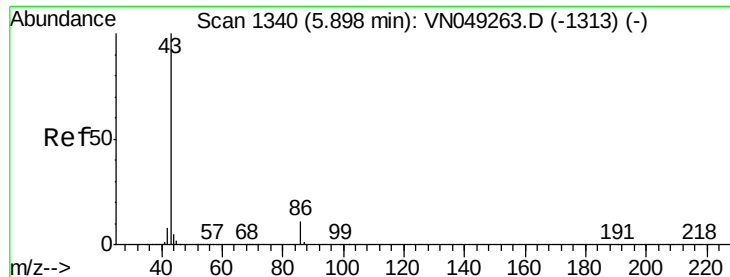
Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion:	45	Resp:	1057108
Ion	Ratio	Lower	Upper
45	100		
43	61.8	48.6	72.8
87	28.0	20.2	30.2
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 99.21 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD01

Tot Ion: 43 Resp: 3370391

Ion Ratio Lower Upper

43 100

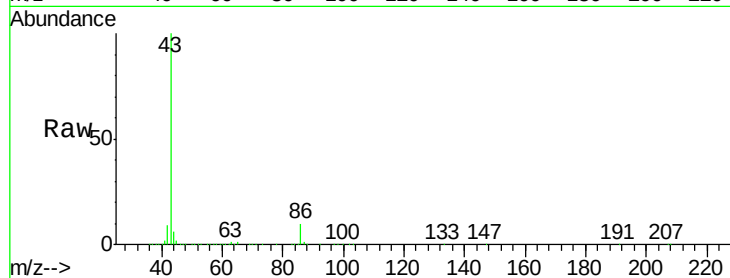
86 10.5 7.2 10.8

Manual Integrations

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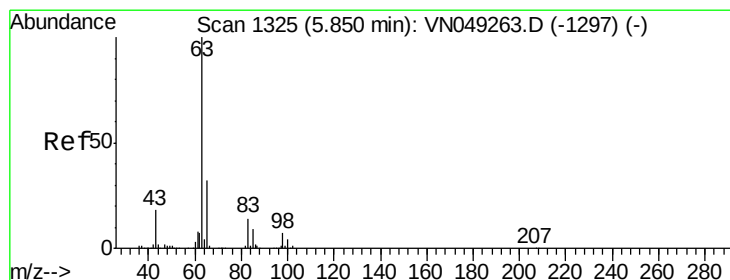
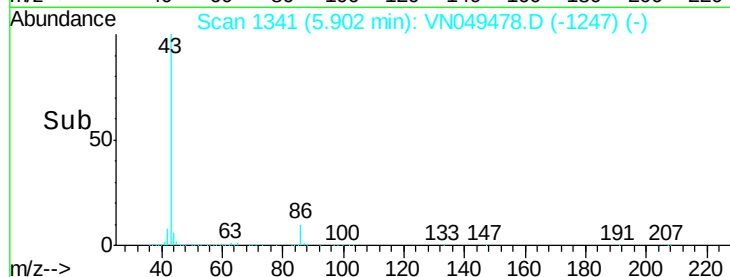
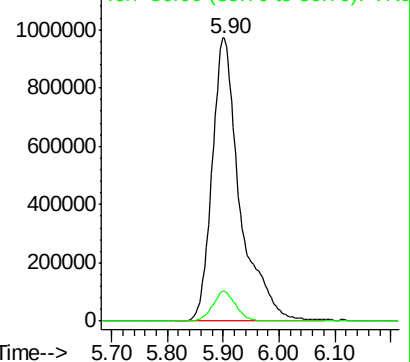
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.95 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

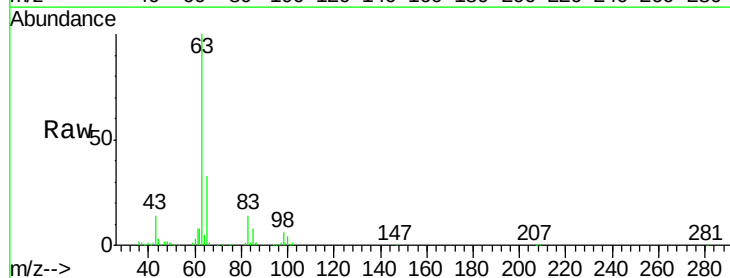
Tgt Ion: 63 Resp: 631999

Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

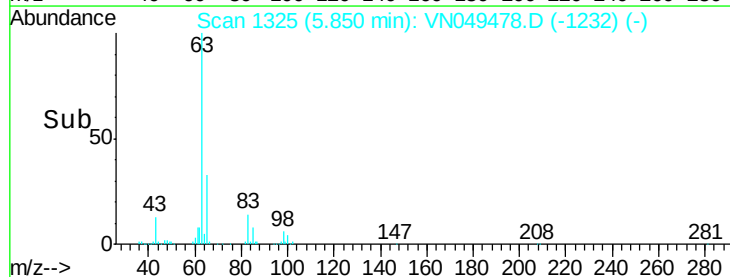
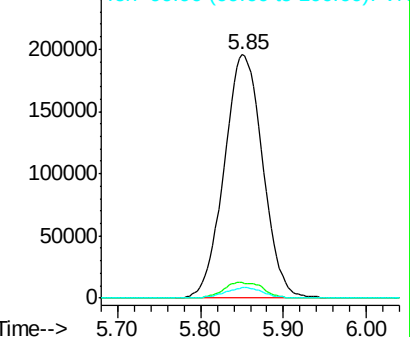
100 4.2 2.1 6.3

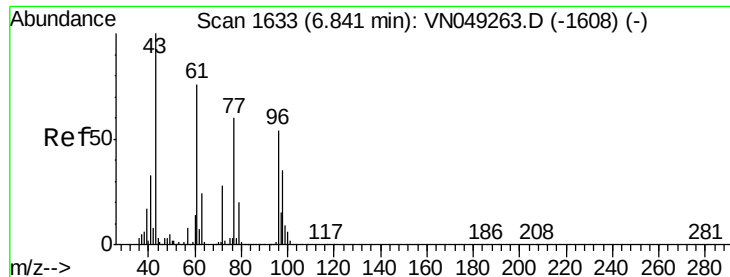


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 104.97 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD01

Tot Ion: 43 Resp: 654288

Ion Ratio Lower Upper

43 100

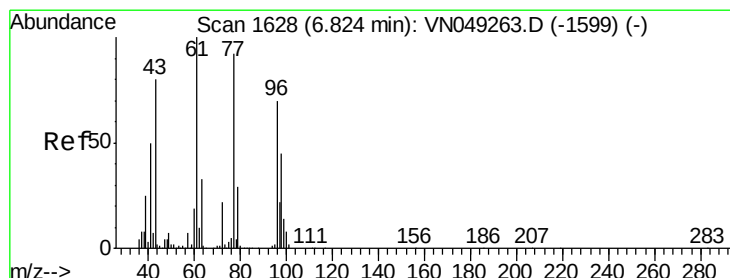
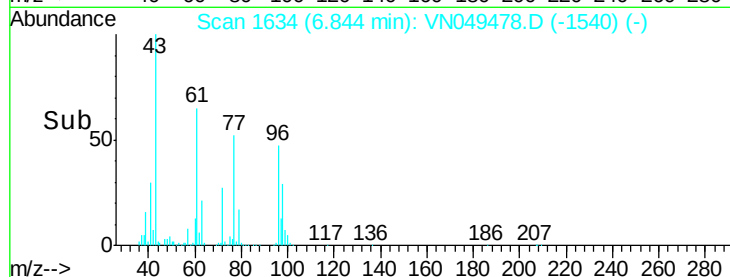
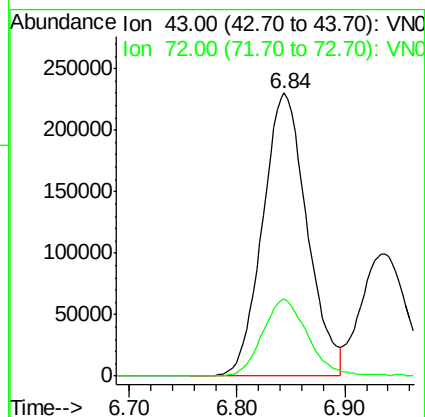
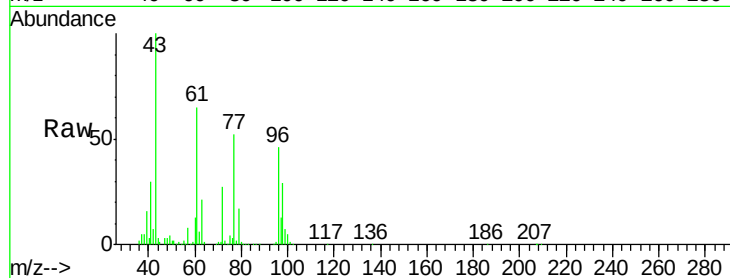
72 27.5 20.2 30.2

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#26

2,2-Dichloropropane

Concen: 19.26 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. 0.00 min

Lab File: VN049478.D

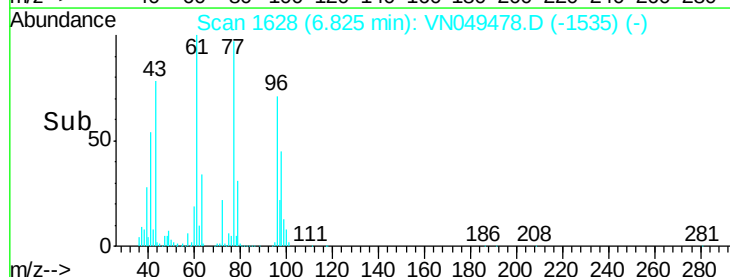
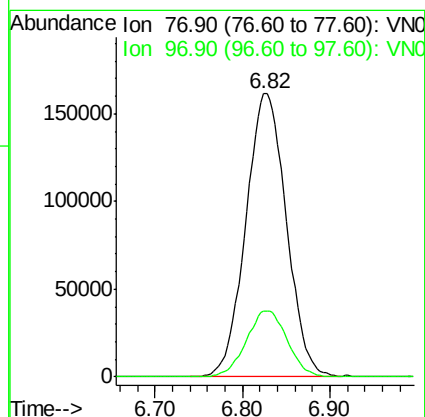
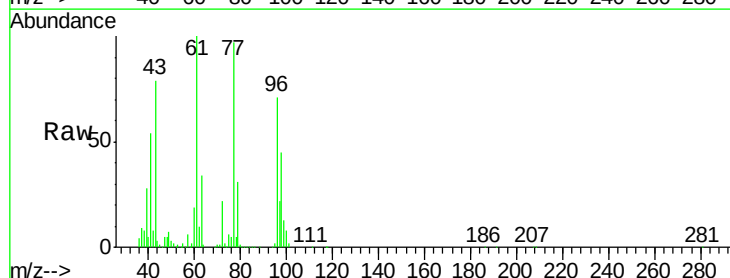
Acq: 21 Jun 2018 19:36

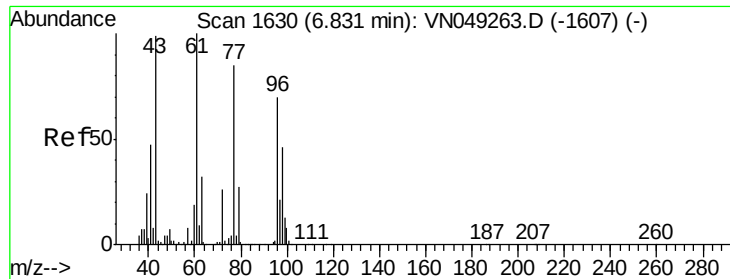
Tgt Ion: 77 Resp: 518771

Ion Ratio Lower Upper

77 100

97 23.6 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 19.22 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

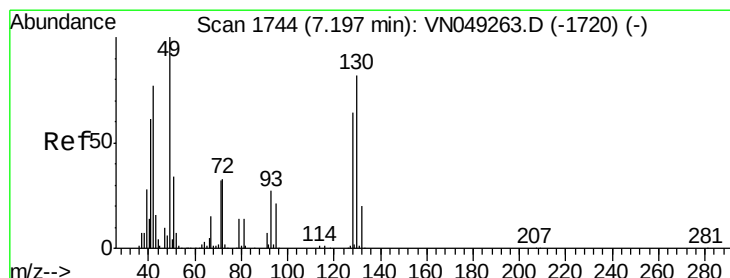
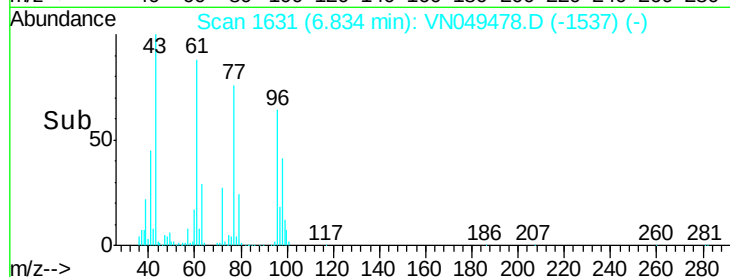
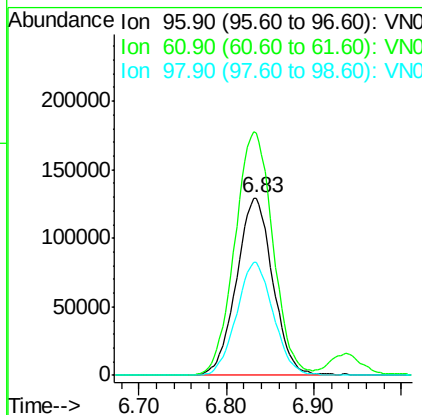
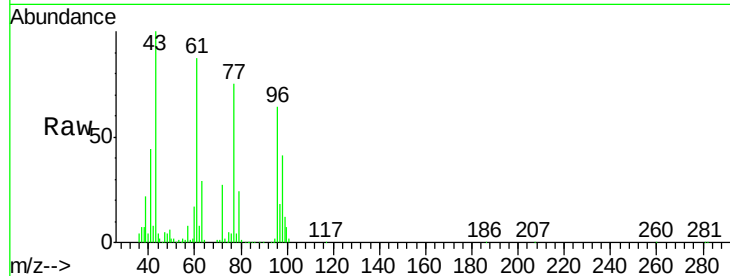
ClientSampleId :

VN0621WBSD01

Tot Ion:	96	Resp:	373817
Ion	Ratio	Lower	Upper
96	100		
61	143.2	0.0	316.4
98	64.5	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 18.11 ug/l

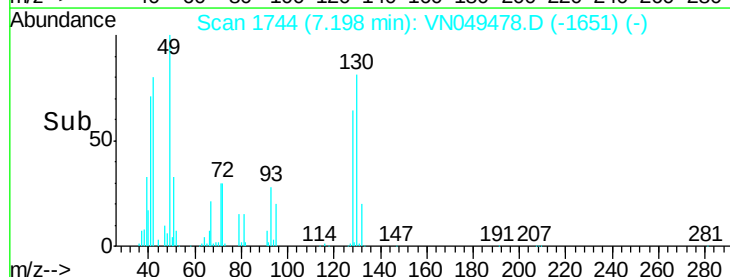
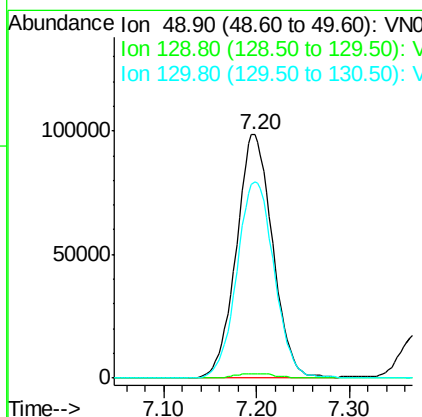
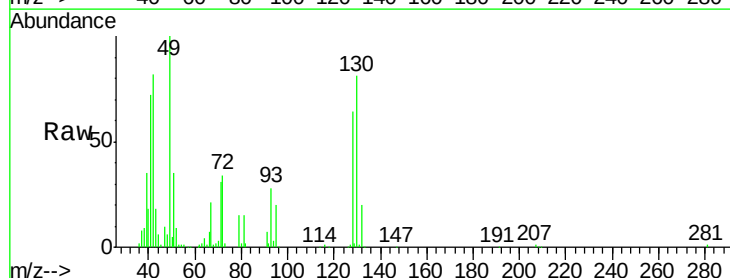
RT: 7.20 min Scan# 1744

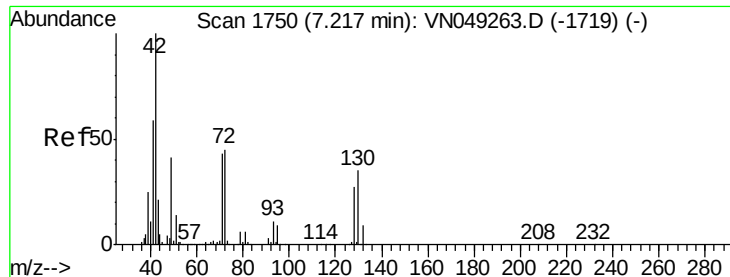
Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion:	49	Resp:	267760
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	83.0	54.9	82.3#





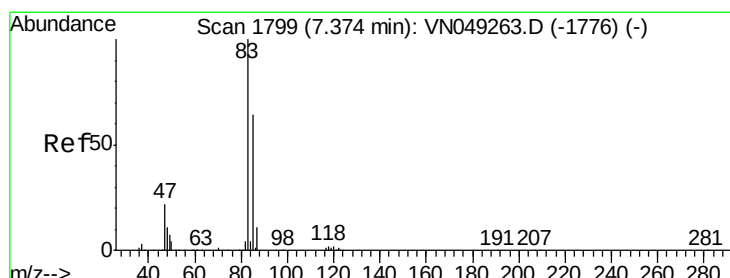
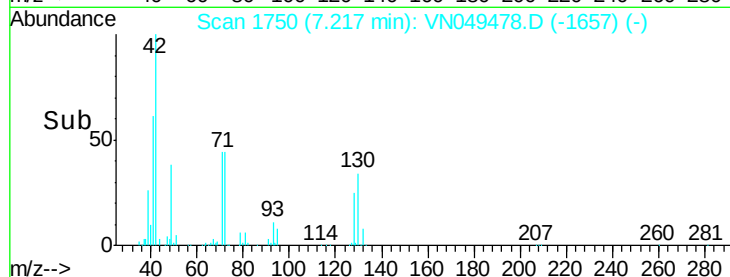
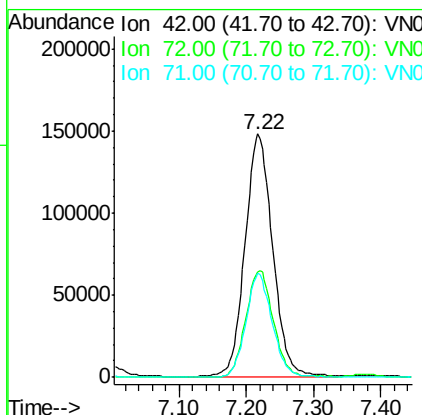
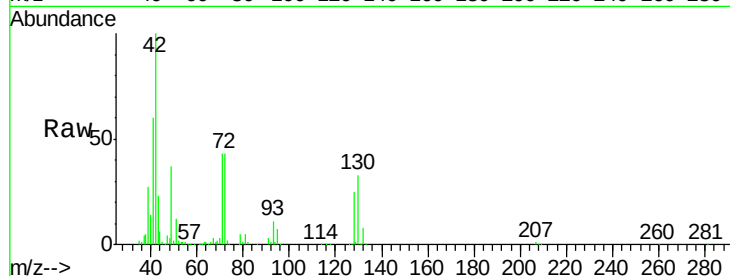
#29
Tetrahydrofuran
Concen: 105.55 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0621WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	32.2	48.4
71	40.6	30.5	45.7

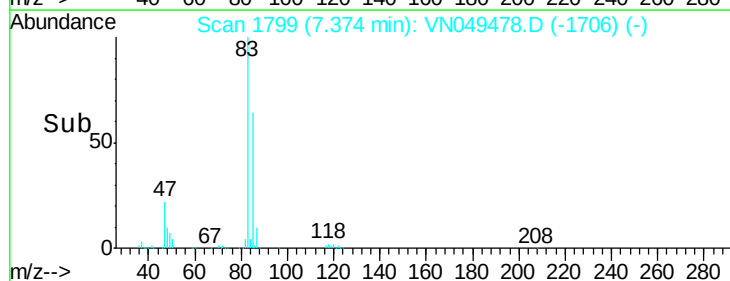
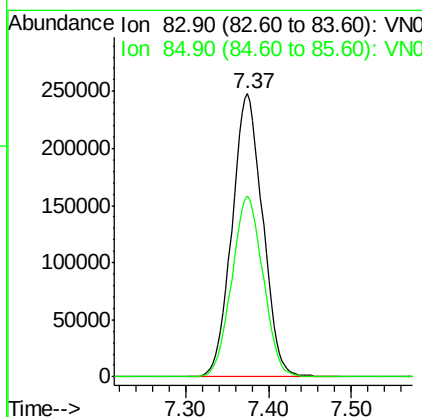
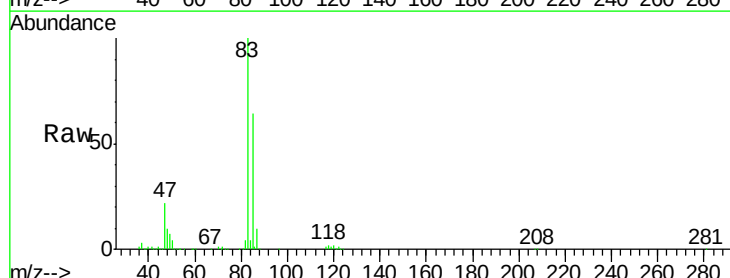
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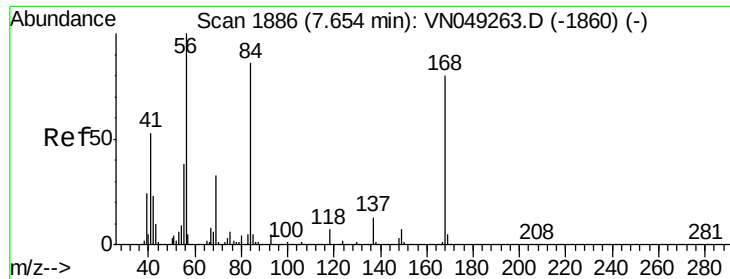
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#30
Chloroform
Concen: 19.24 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.7	77.5





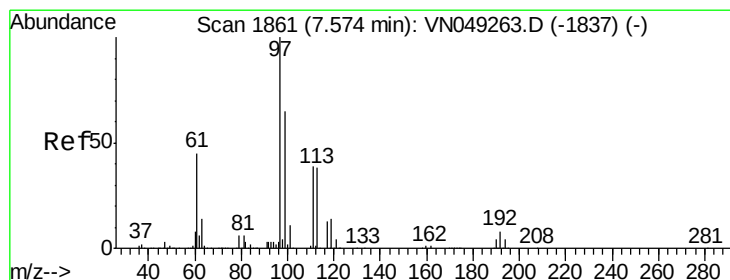
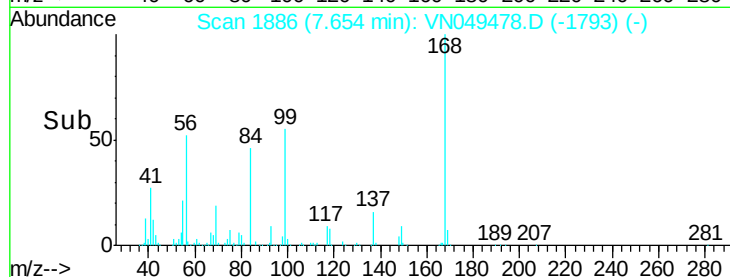
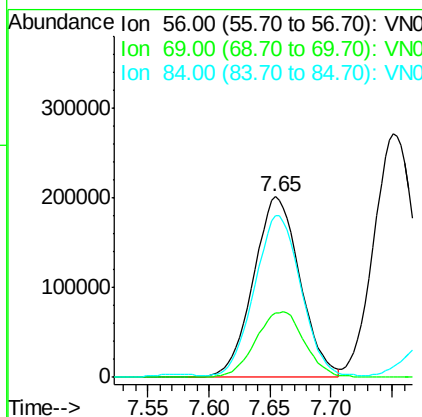
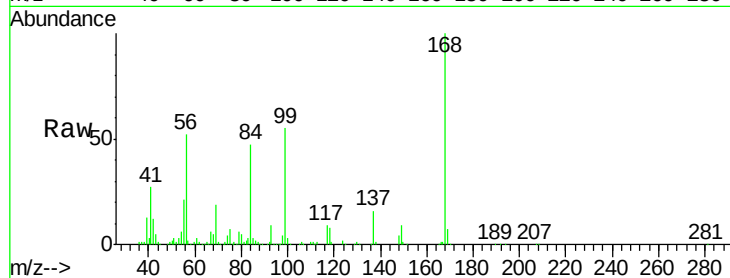
#31
Cyclohexane
Concen: 18.83 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0621WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	25.0	37.4
84	88.5	64.6	96.8

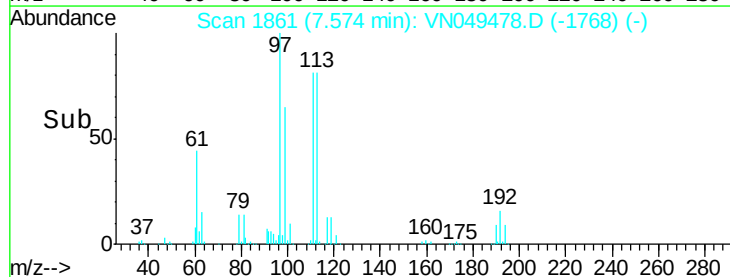
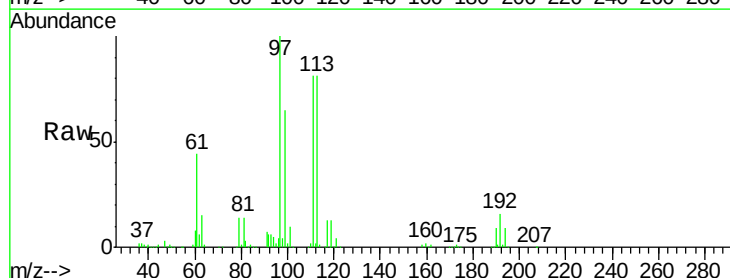
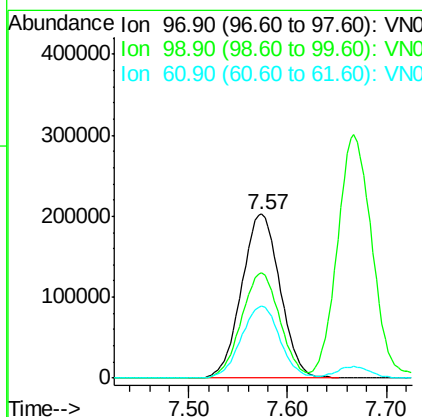
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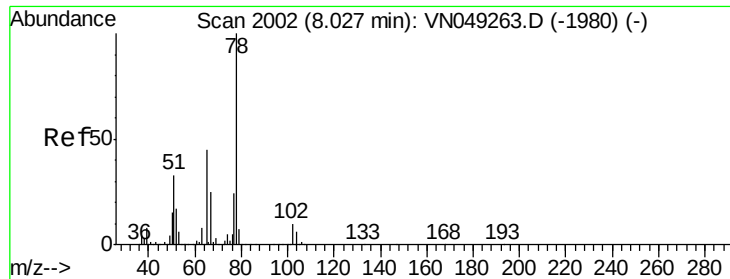
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#32
1,1,1-Trichloroethane
Concen: 19.31 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.5	75.7
61	44.3	37.9	56.9





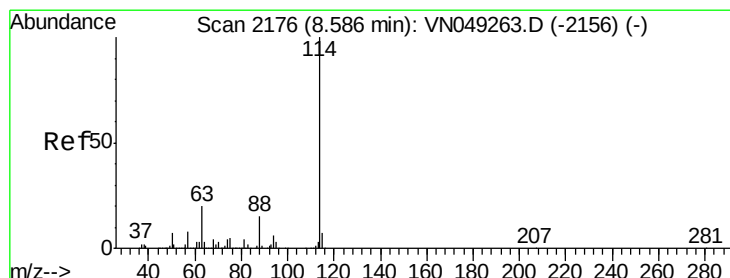
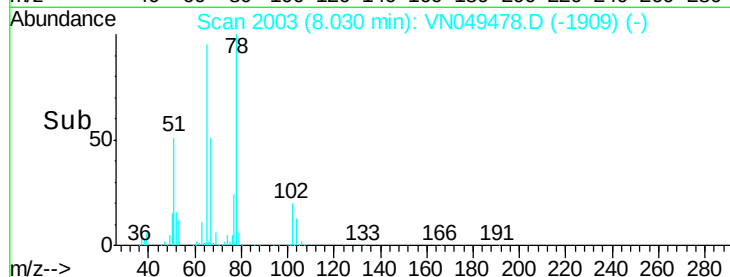
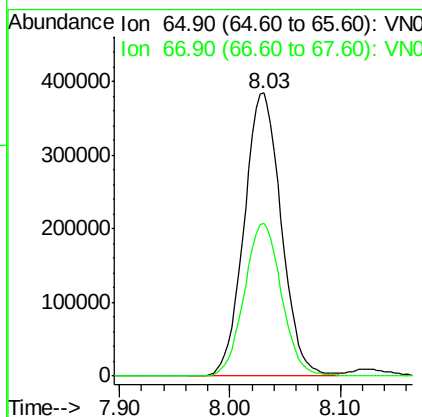
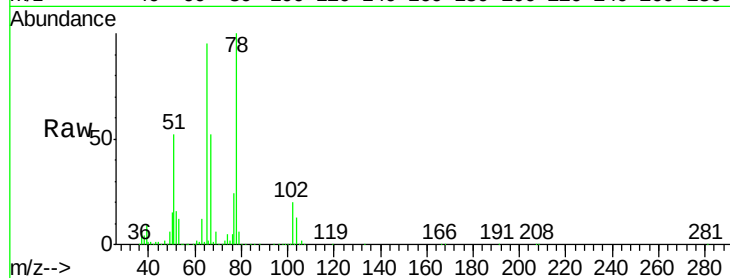
#33
 1,2-Dichloroethane-d4
 Concen: 46.92 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD01

Tot Ion: 65 Resp: 897085
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 103.8

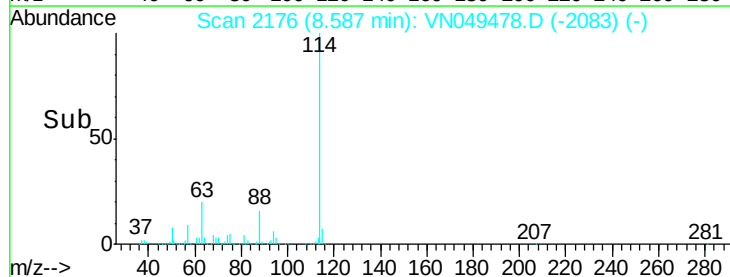
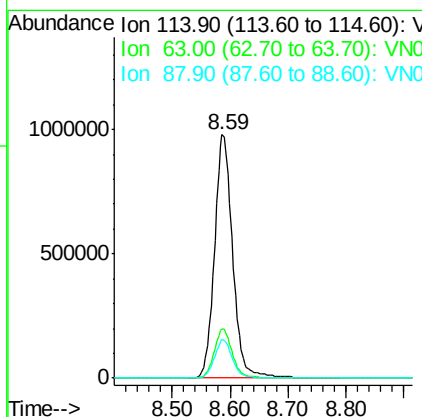
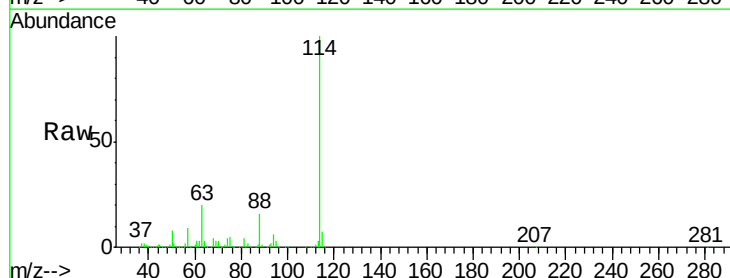
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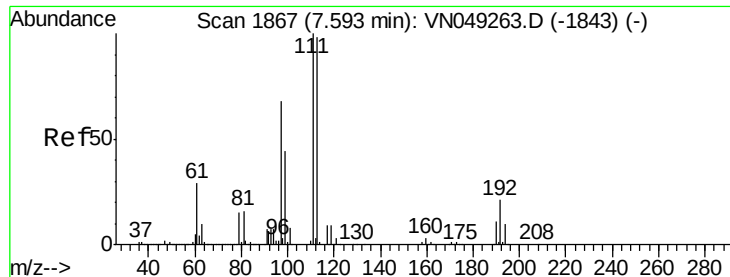
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion: 114 Resp: 2133070
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 44.4
 88 15.7 0.0 31.4





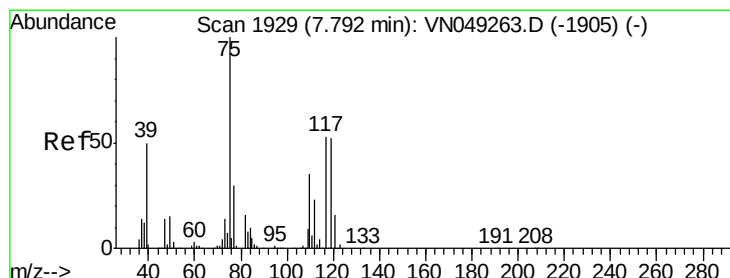
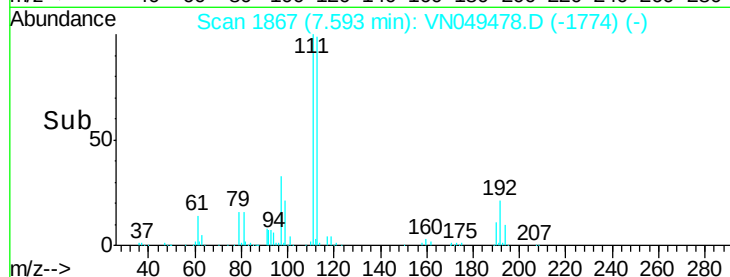
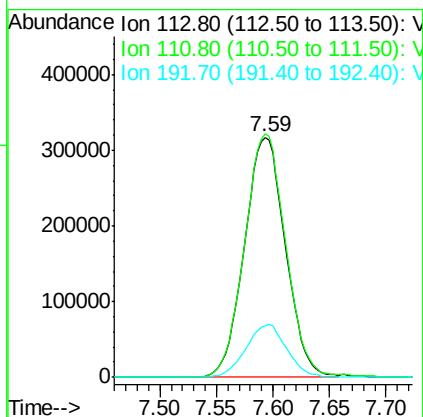
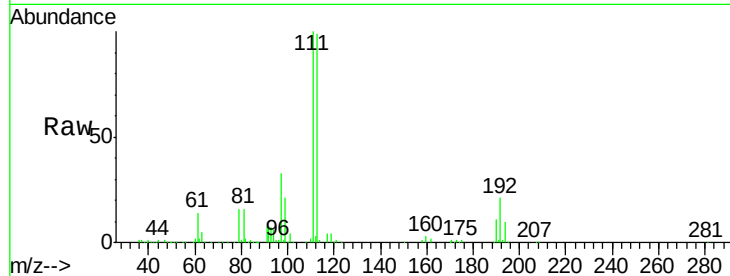
#35
 Dibromofluoromethane
 Concen: 46.37 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	800211		
111	101.7	82.4	123.6	
192	21.8	15.0	22.6	

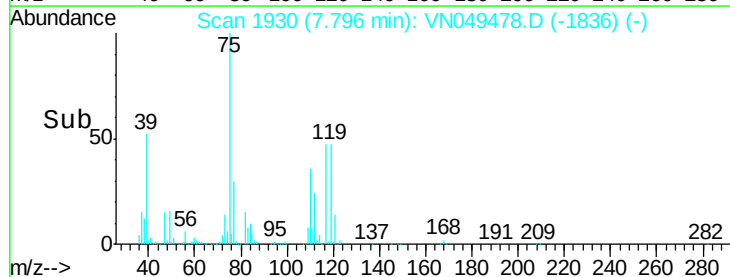
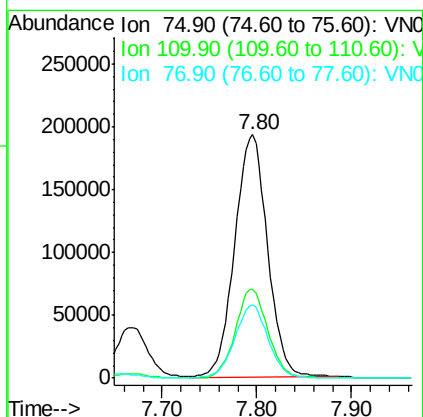
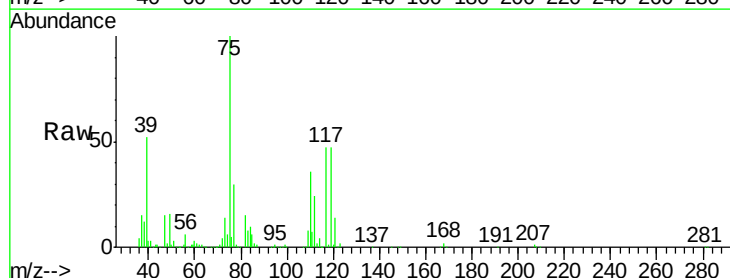
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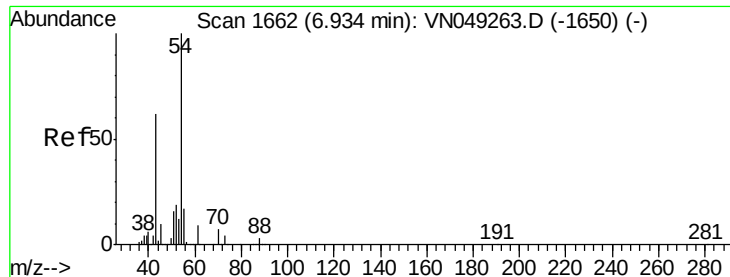
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#36
 1,1-Dichloropropene
 Concen: 19.05 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	465621		
110	36.3	17.0	50.9	
77	30.3	24.4	36.6	





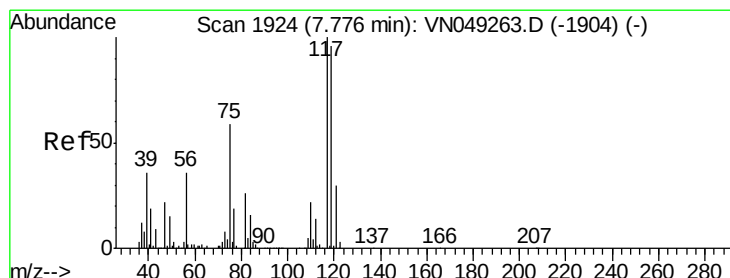
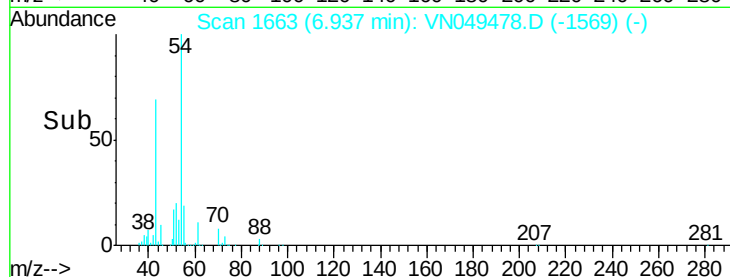
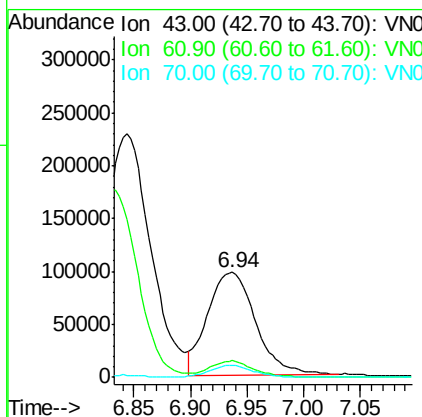
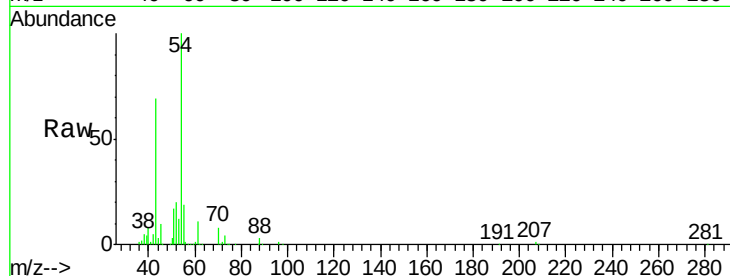
#37
Ethyl Acetate
Concen: 21.55 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.9	7.2	10.8

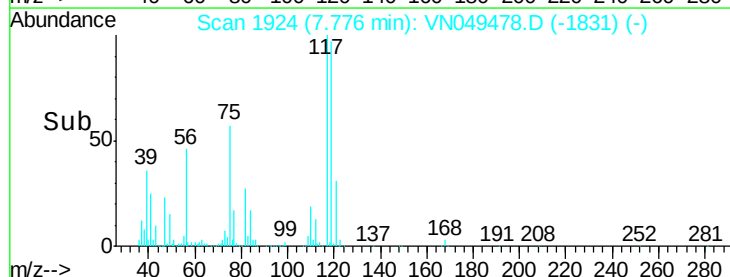
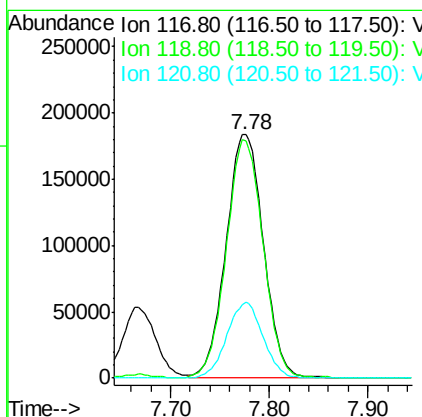
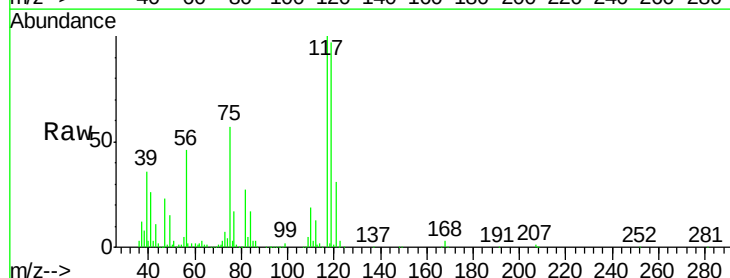
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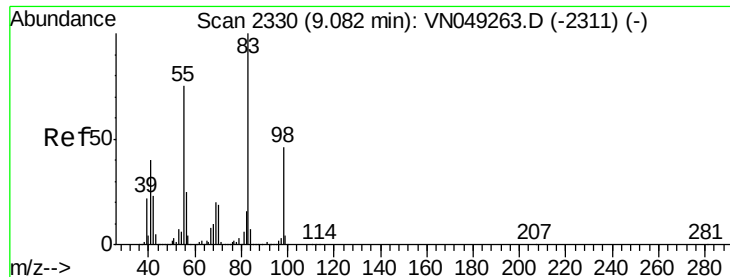
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#38
Carbon Tetrachloride
Concen: 19.09 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.6	113.4
121	31.1	24.7	37.1





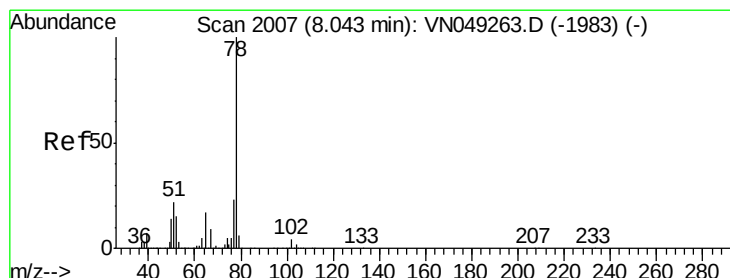
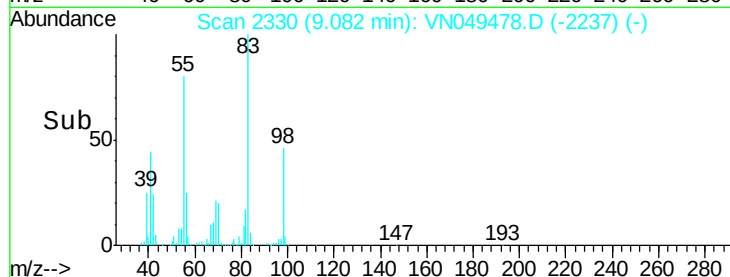
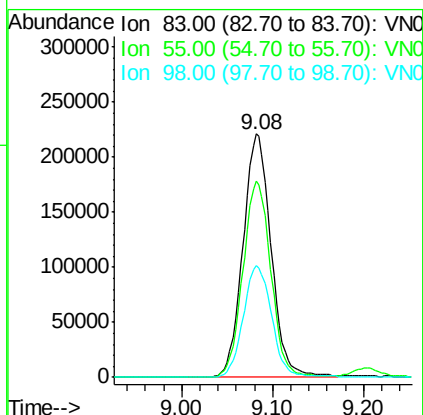
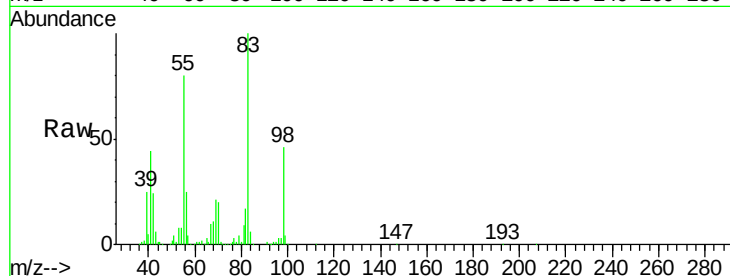
#39
Methylvlcyclohexane
Concen: 18.15 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	65.1	97.7
98	45.7	36.5	54.7

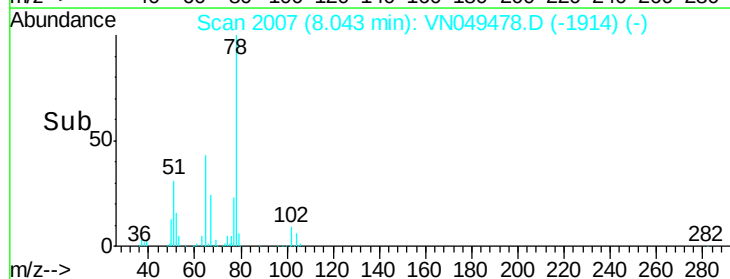
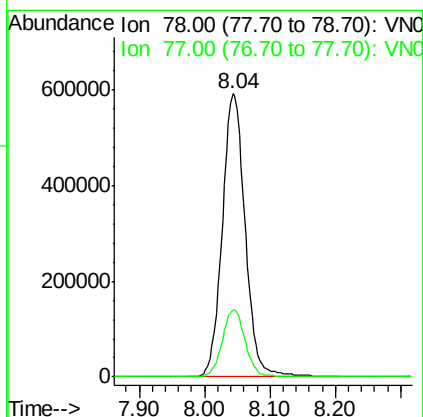
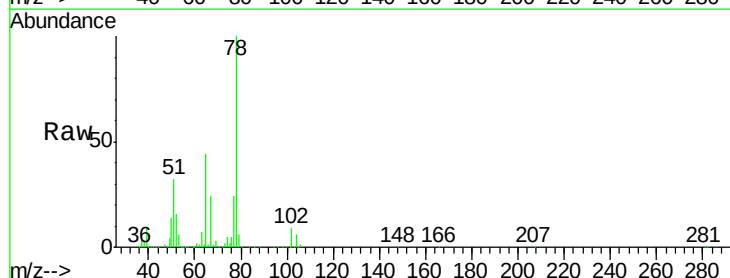
Manual Integrations
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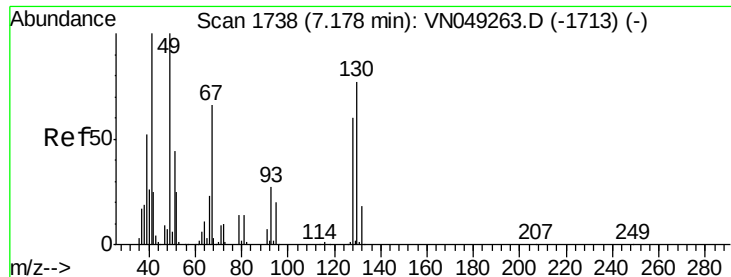
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#40
Benzene
Concen: 19.21 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





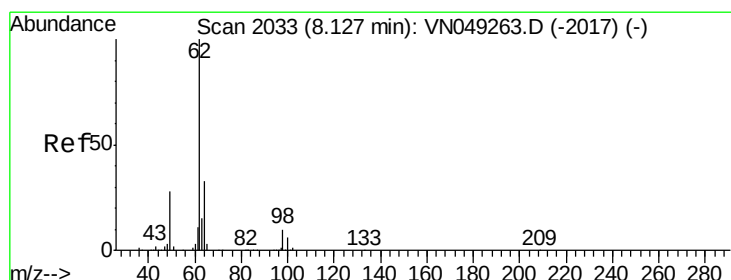
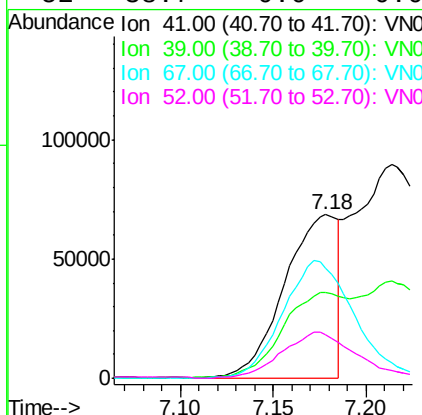
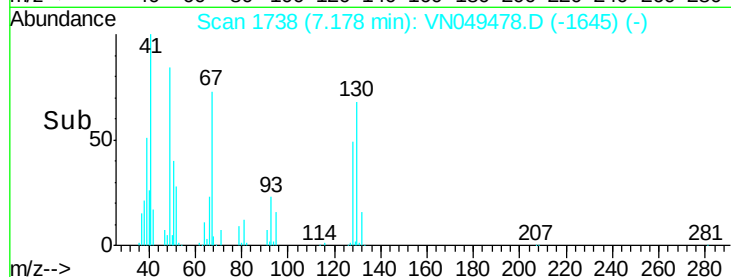
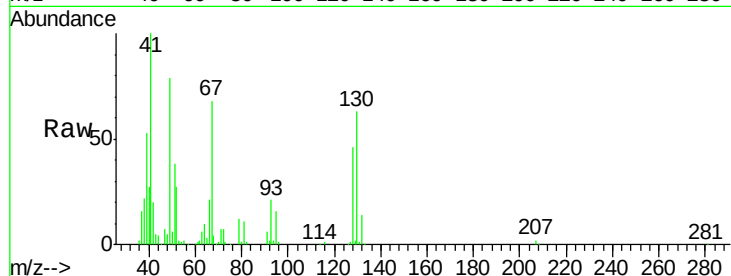
#41
Methacrylonitrile
Concen: 19.04 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.7	0.0	0.0#
67	98.2	0.0	0.0#
52	38.7	0.0	0.0#

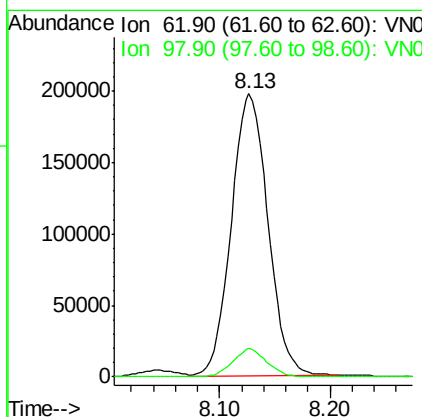
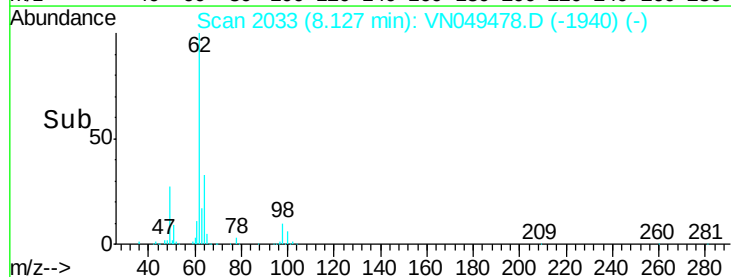
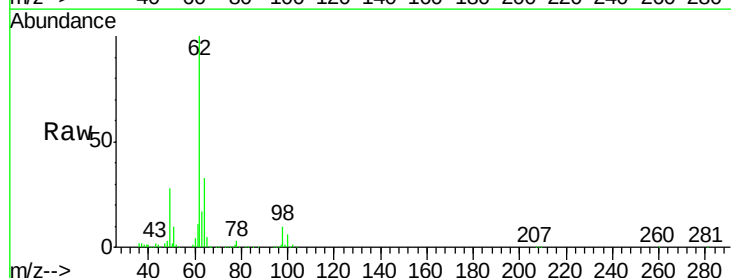
Manual Integrations
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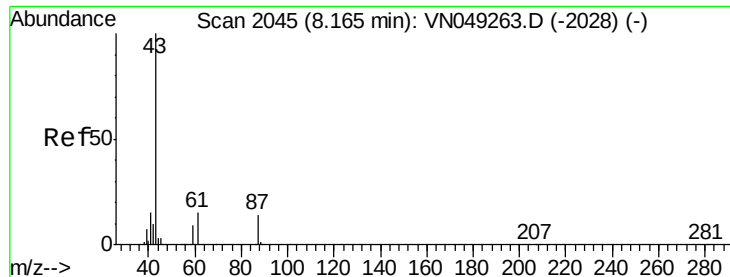
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#42
1,2-Dichloroethane
Concen: 19.66 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	16.2





#43

Isopropyl Acetate

Concen: 22.12 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

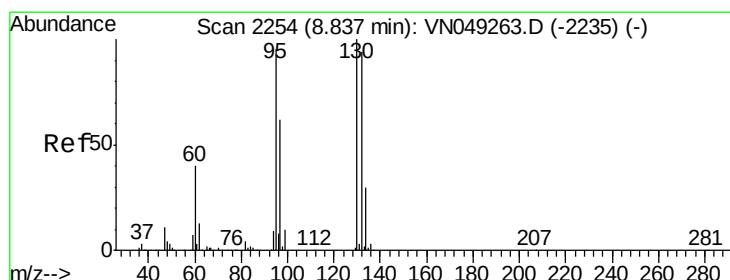
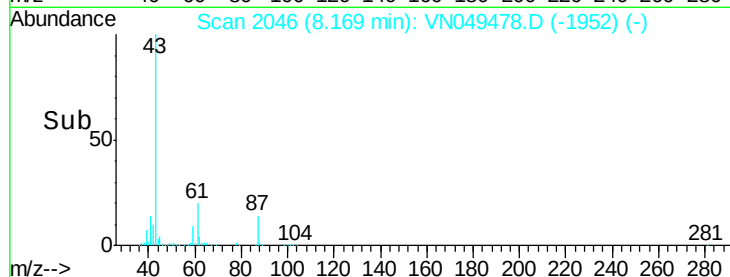
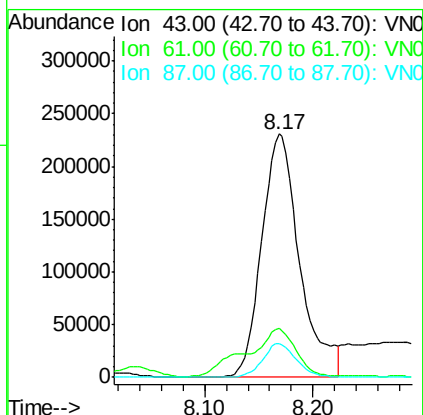
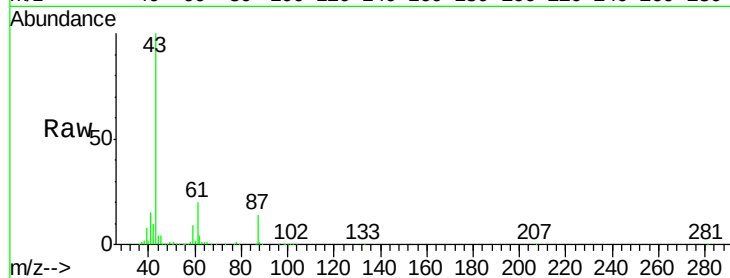
ClientSampleId :

VN0621WBSD01

Tot Ion:	43	Resp:	561615
Ion Ratio	Lower	Upper	
43	100		
61	16.6	14.2	21.4
87	12.3	9.4	14.0

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#44

Trichloroethene

Concen: 19.54 ug/l

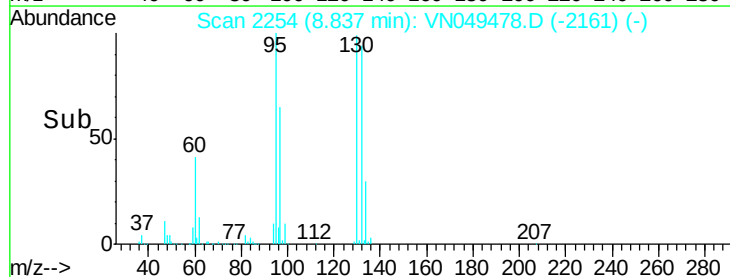
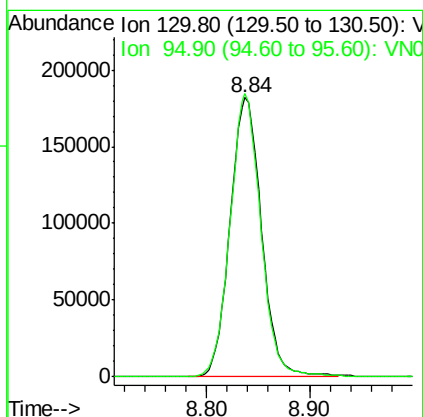
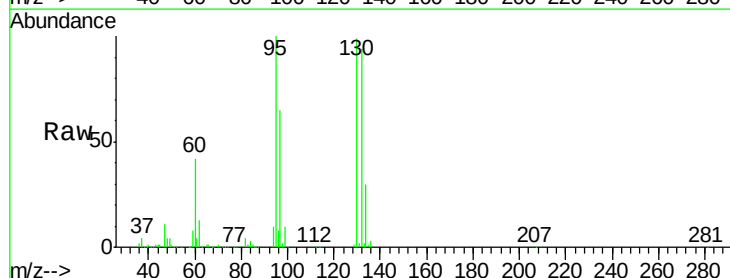
RT: 8.84 min Scan# 2254

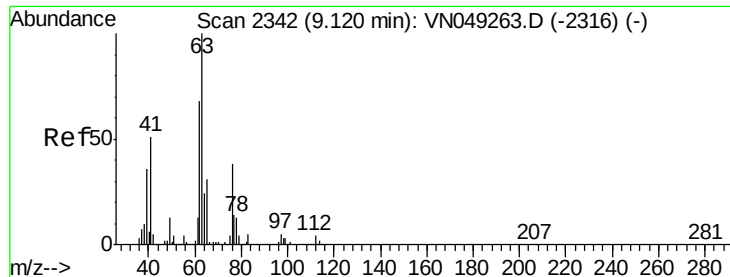
Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion:	130	Resp:	386719
Ion Ratio	Lower	Upper	
130	100		
95	101.4	0.0	208.6





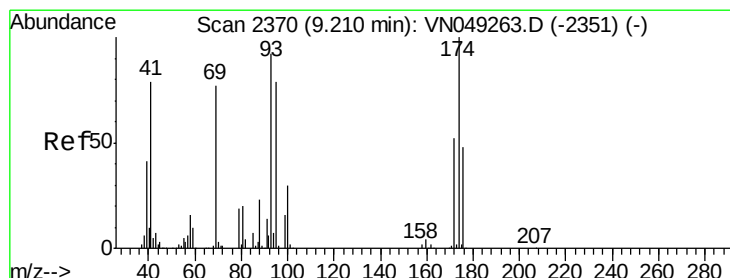
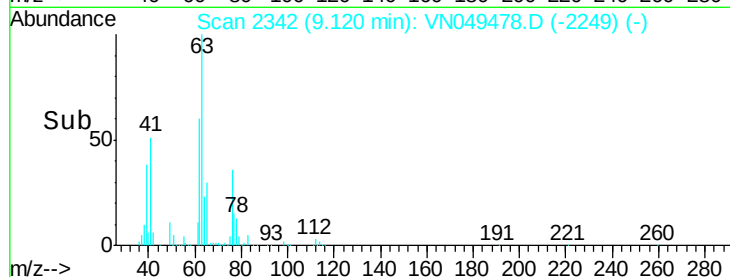
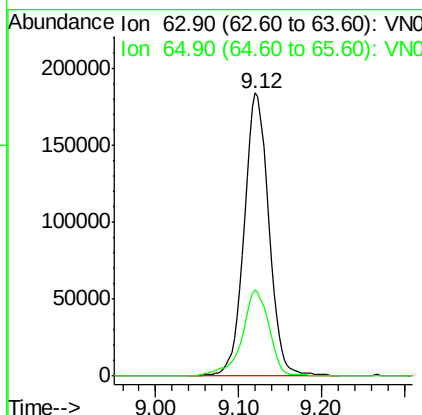
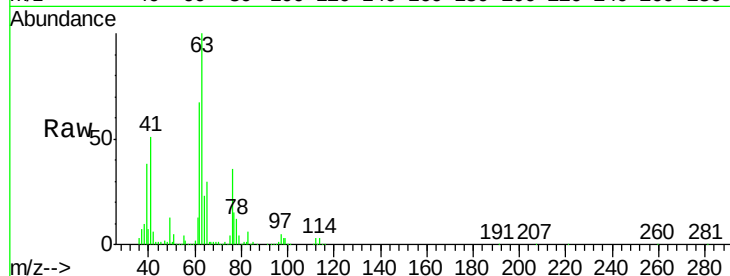
#45
 1,2-Dichloropropane
 Concen: 19.48 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.8	37.2

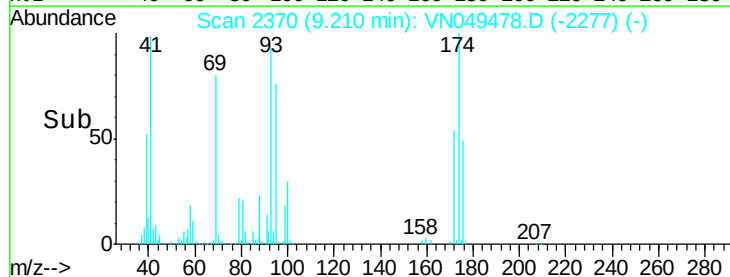
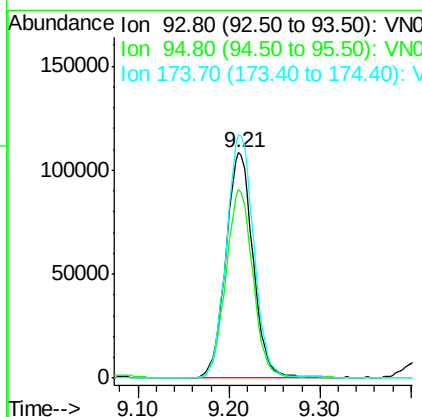
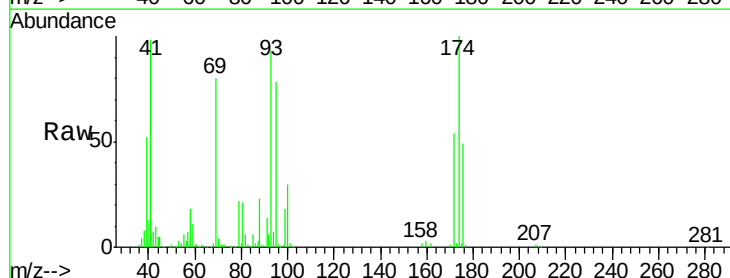
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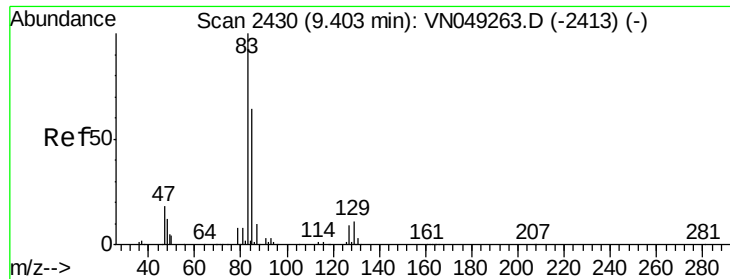
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#46
 Dibromomethane
 Concen: 19.84 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.2	100.8
174	108.2	75.6	113.4





#47

Bromodichloromethane

Concen: 19.41 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

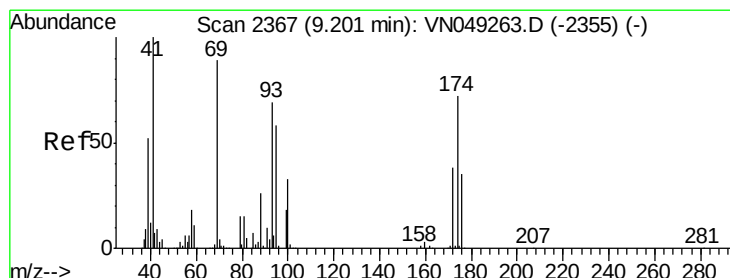
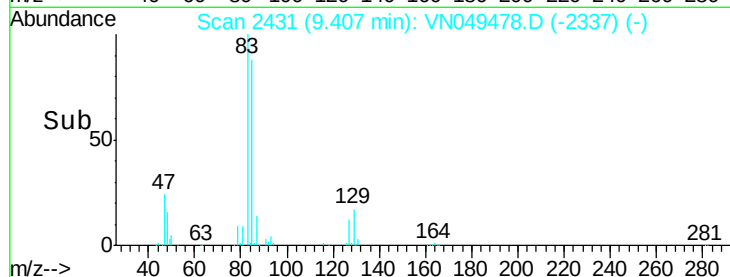
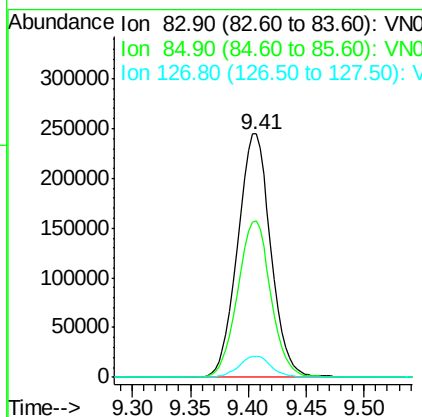
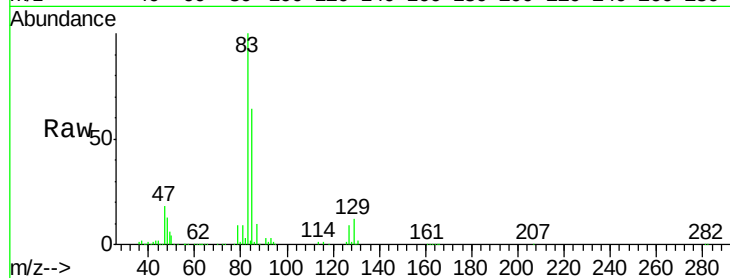
ClientSampleId :

VN0621WBSD01

Tot Ion:	83	Resp:	485245
Ion Ratio	Lower	Upper	
83	100		
85	64.4	49.4	74.0
127	8.8	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.56 ug/l

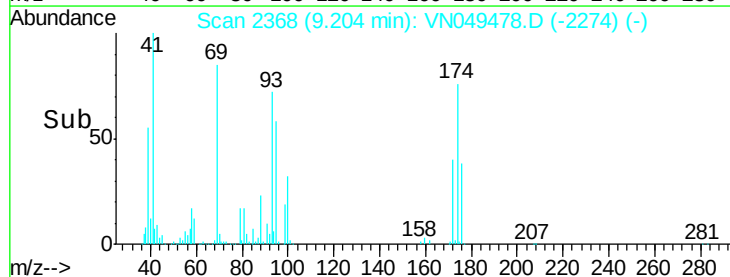
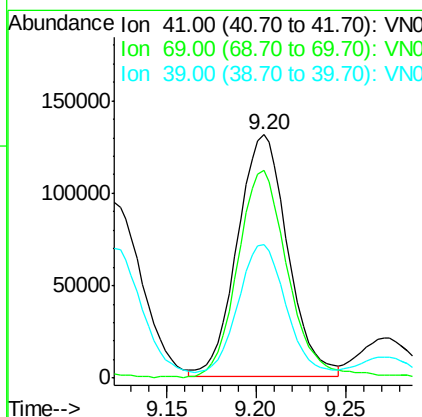
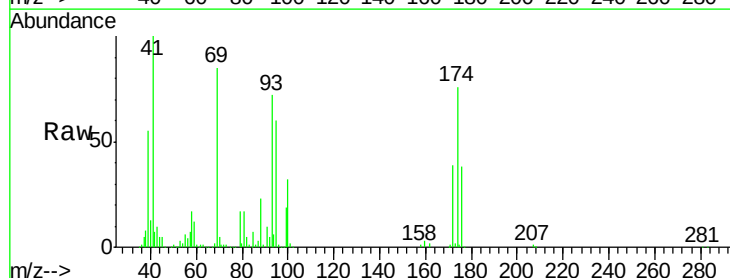
RT: 9.20 min Scan# 2368

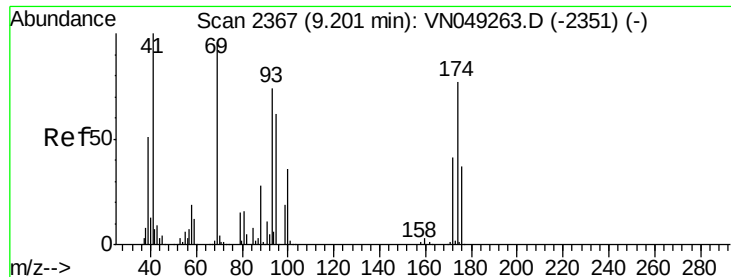
Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion:	41	Resp:	257840
Ion Ratio	Lower	Upper	
41	100		
69	85.8	62.0	93.0
39	54.0	50.6	75.8





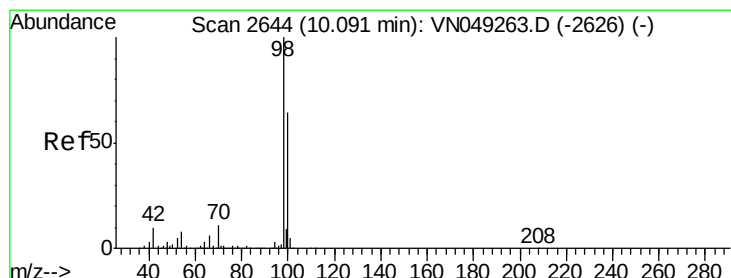
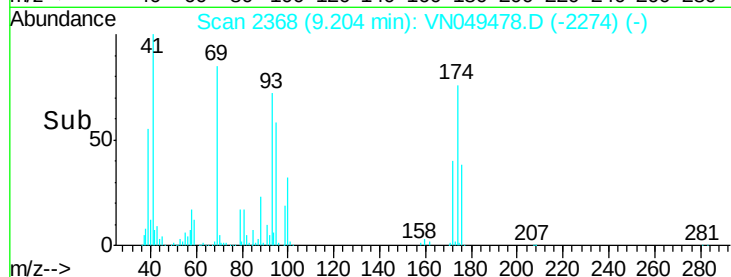
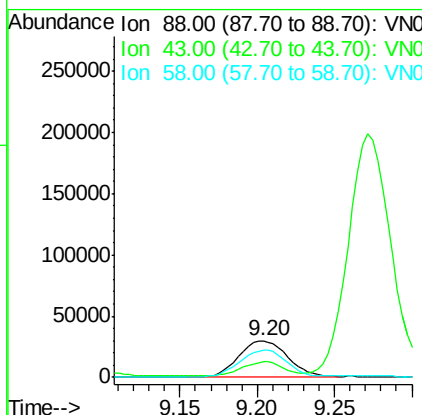
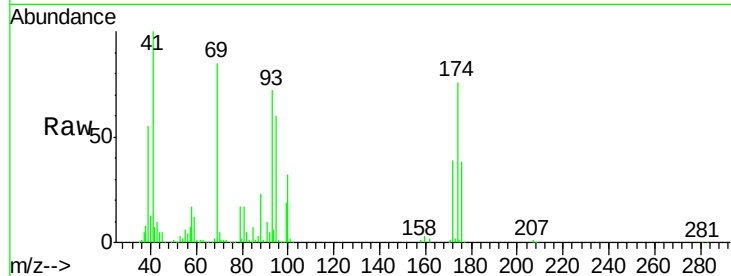
#49
1,4-Dioxane
Concen: 403.72 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0621WBSD01

Tot Ion	88	Resp	66631
Ion	Ratio	Lower	Upper
88	100		
43	32.8	30.9	46.3
58	71.8	58.9	88.3

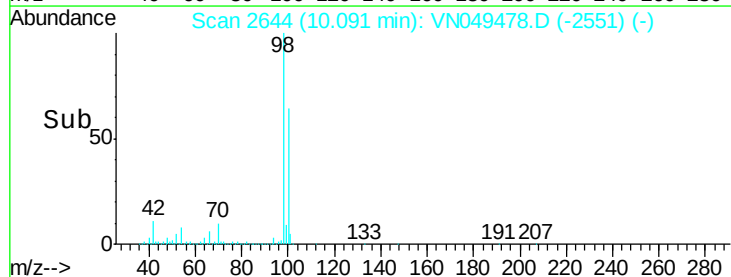
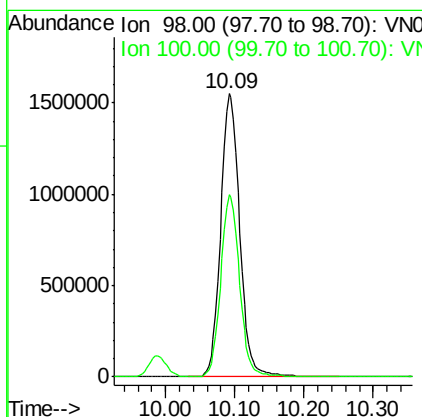
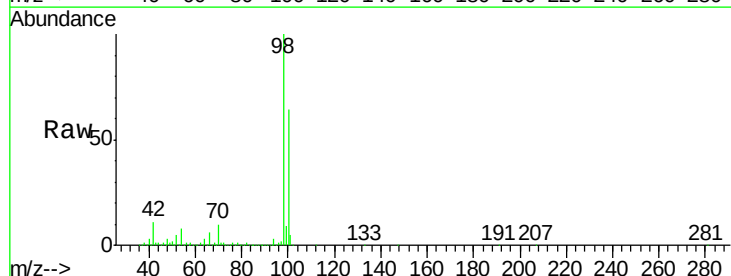
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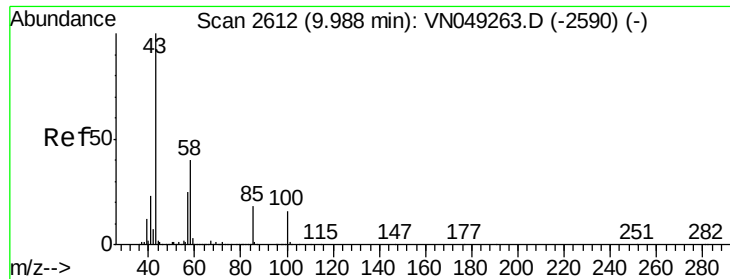
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#50
Toluene-d8
Concen: 45.07 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion	98	Resp	2961894
Ion	Ratio	Lower	Upper
98	100		
100	63.4	49.8	74.8





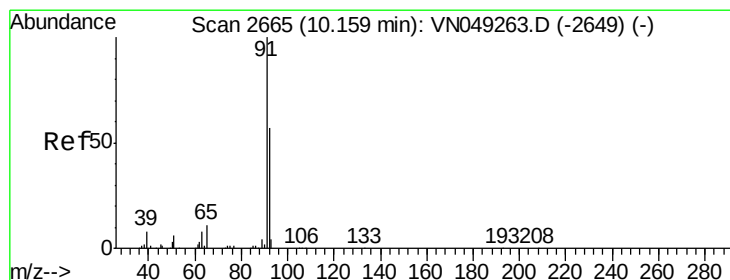
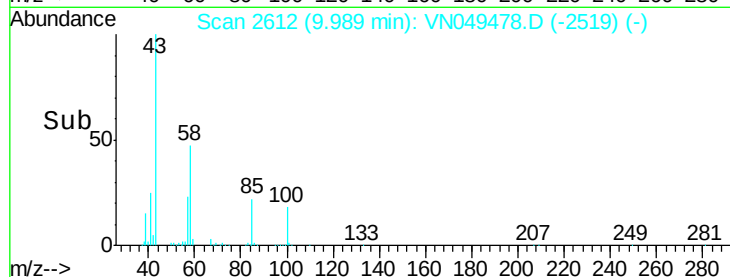
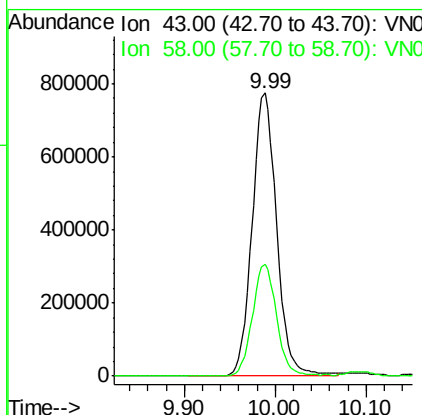
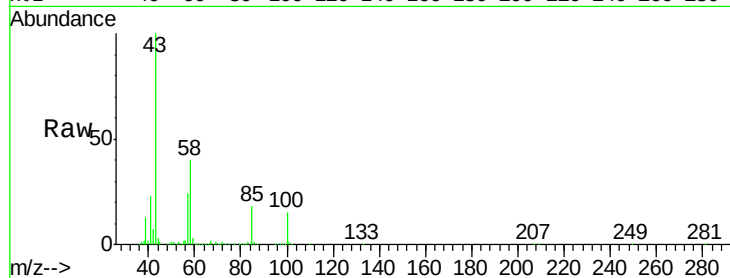
#51
4-Methyl-2-Pentanone
Concen: 108.49 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD01

Tot Ion: 43 Resp: 1443894
Ion Ratio Lower Upper
43 100
58 39.1 29.0 43.6

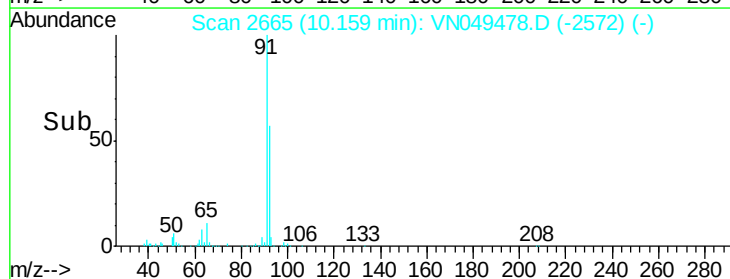
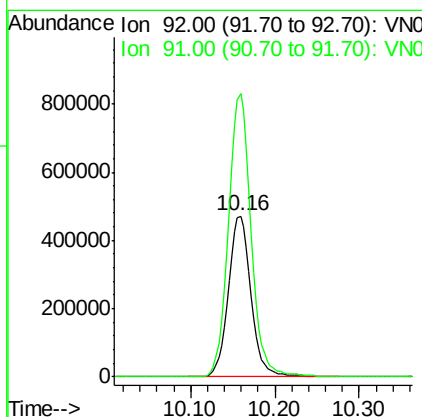
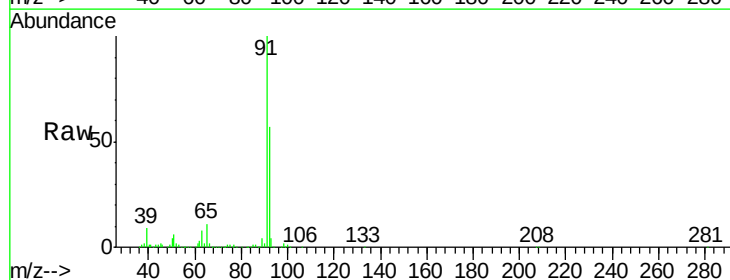
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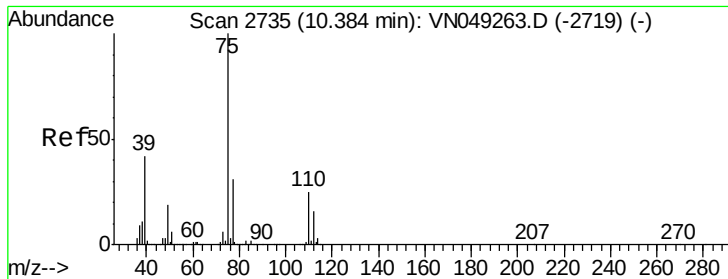
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#52
Toluene
Concen: 19.89 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion: 92 Resp: 874883
Ion Ratio Lower Upper
92 100
91 176.4 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 19.10 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0621WBSD01

Tot Ion: 75 Resp: 456928

Ion Ratio Lower Upper

75 100

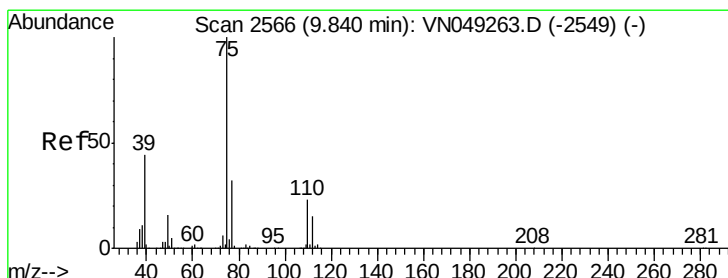
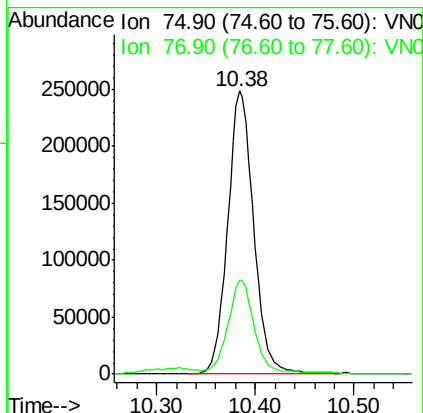
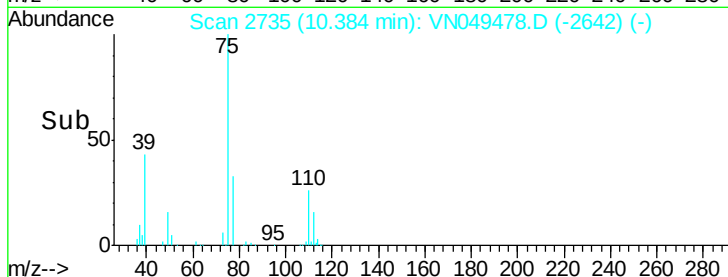
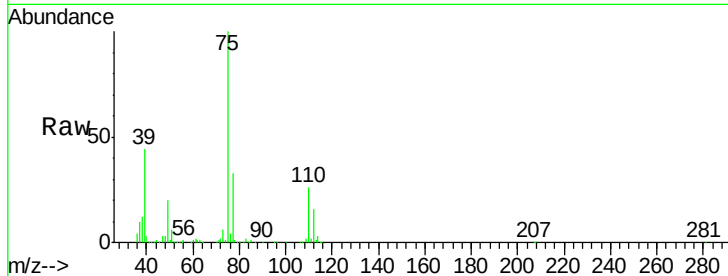
77 32.8 25.2 37.8

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.25 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

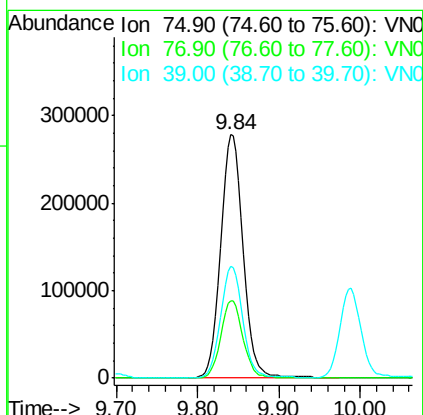
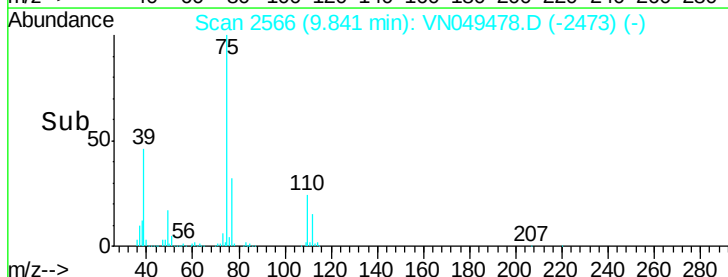
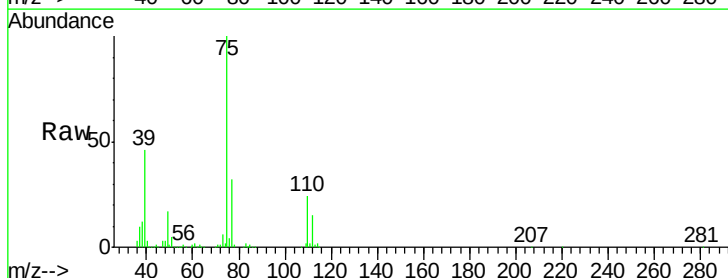
Tgt Ion: 75 Resp: 543814

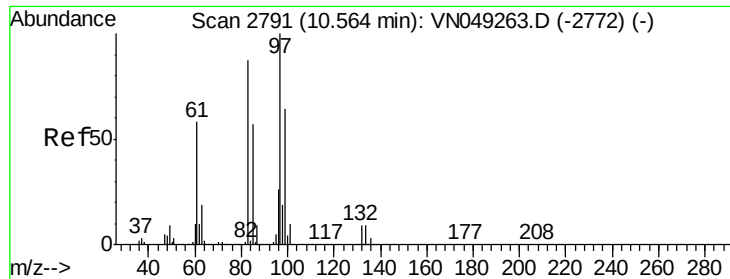
Ion Ratio Lower Upper

75 100

77 32.0 24.8 37.2

39 45.8 45.1 67.7





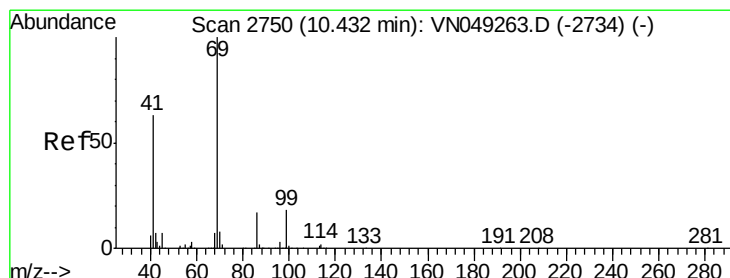
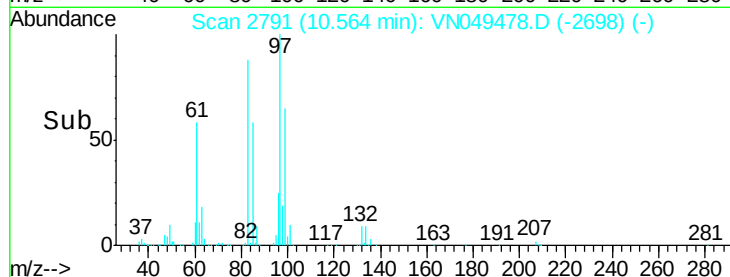
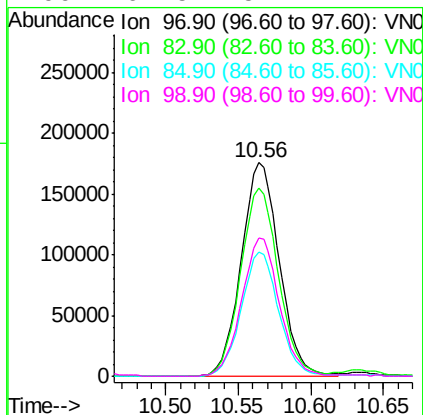
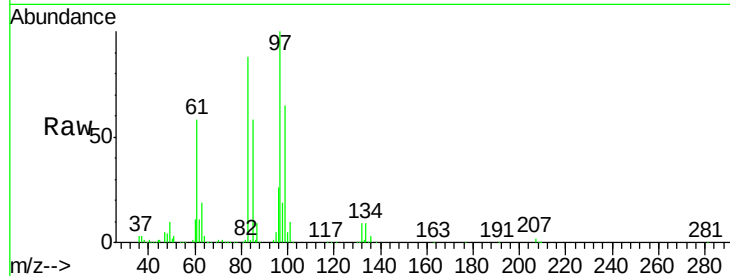
#55
 1,1,2-Trichloroethane
 Concen: 19.54 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		320357		
83	87.9	71.5	107.3		
85	58.4	47.0	70.4		
99	64.5	51.4	77.2		

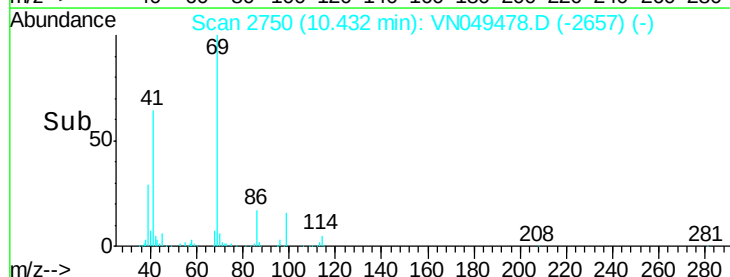
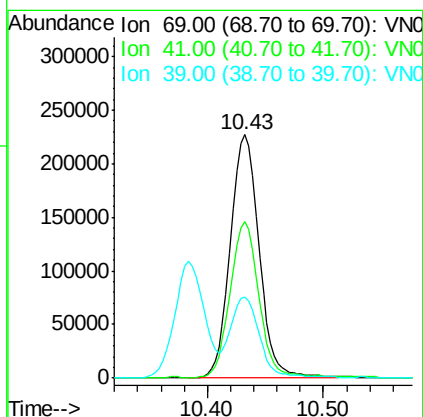
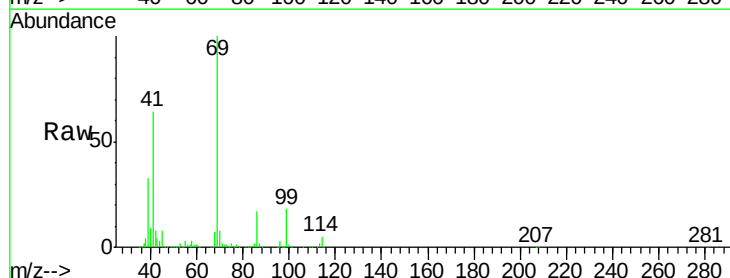
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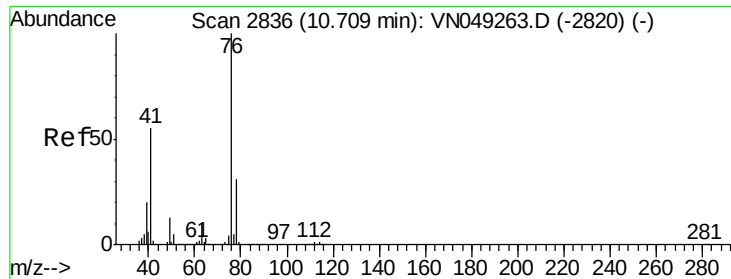
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#56
 Ethyl methacrylate
 Concen: 20.60 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		389722		
41	63.4	58.4	87.6		
39	33.8	35.5	53.3#		





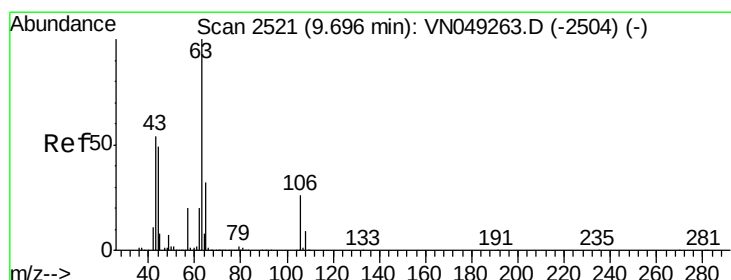
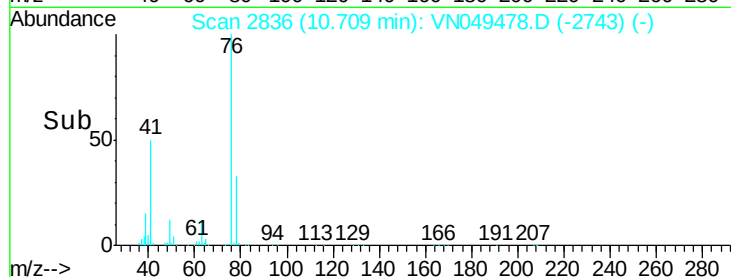
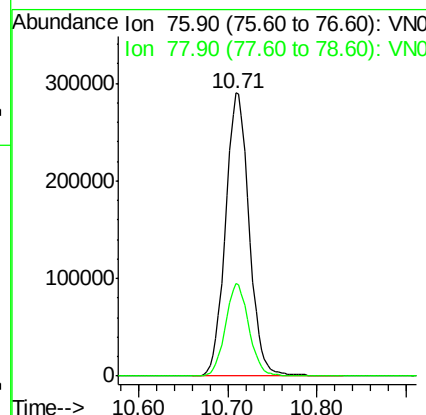
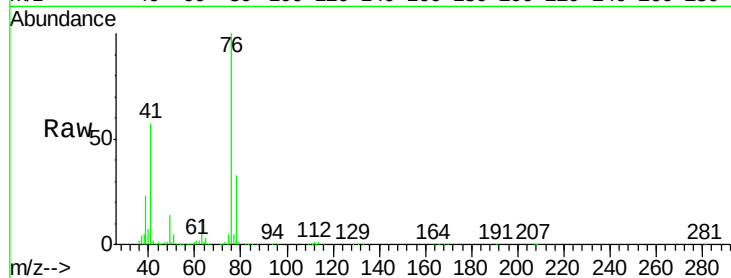
#57
 1,3-Dichloropropane
 Concen: 19.65 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD01

Tot Ion: 76 Resp: 533690
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.3 39.5

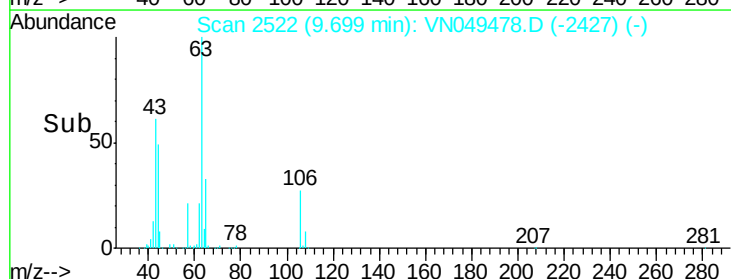
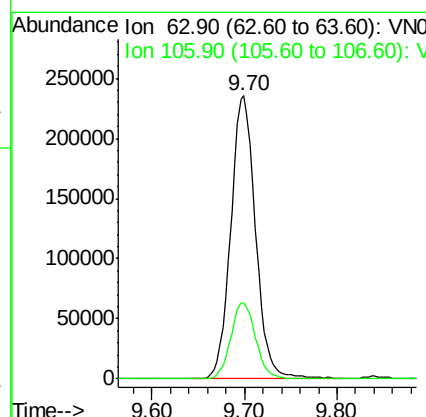
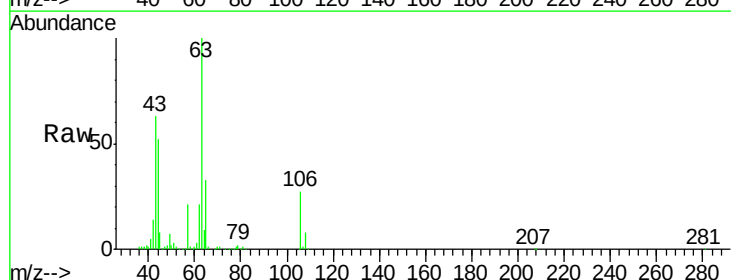
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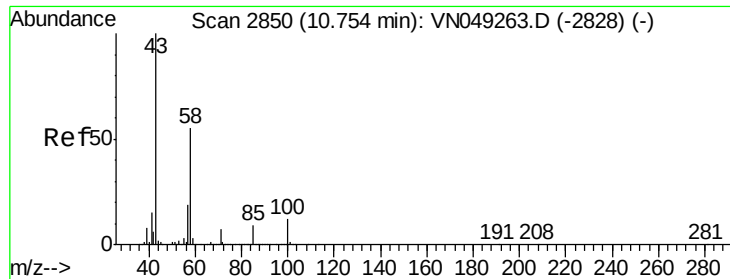
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#58
 2-Chloroethyl Vinyl ether
 Concen: 75.22 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion: 63 Resp: 436914
 Ion Ratio Lower Upper
 63 100
 106 27.0 19.4 29.2





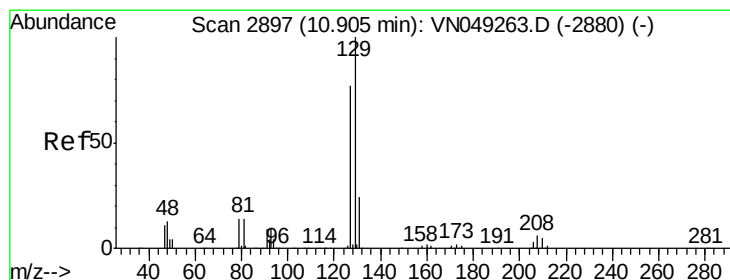
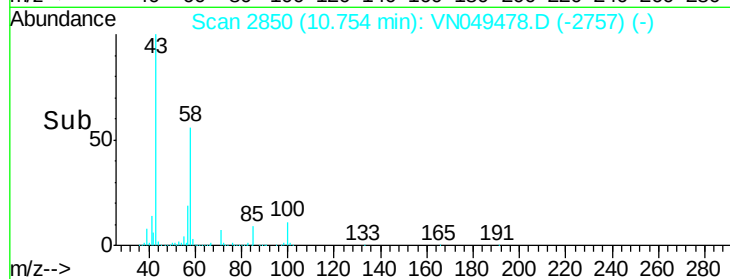
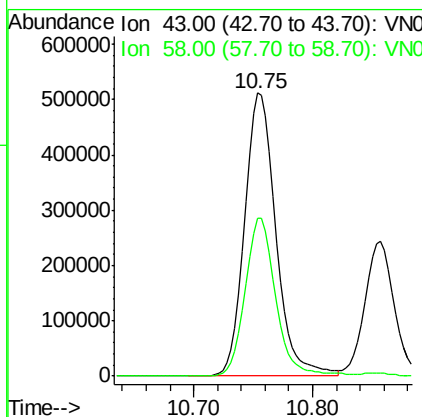
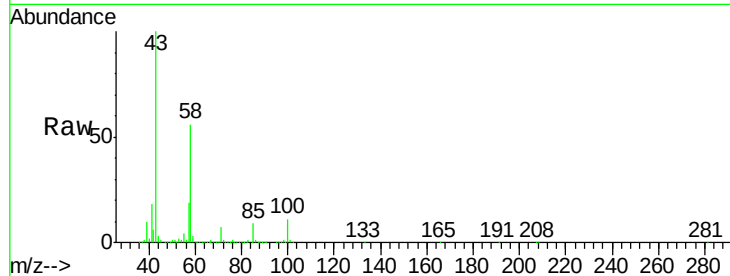
#59
2-Hexanone
Concen: 108.52 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD01

Tot Ion: 43 Resp: 931109
Ion Ratio Lower Upper
43 100
58 54.9 25.2 75.6

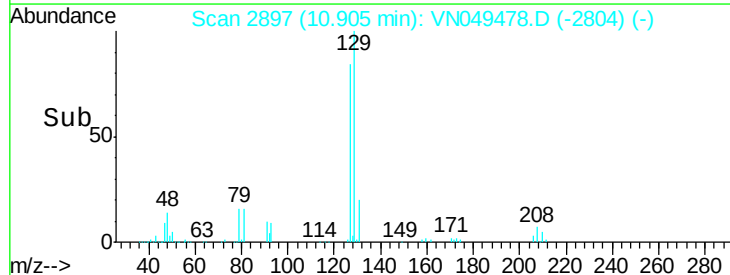
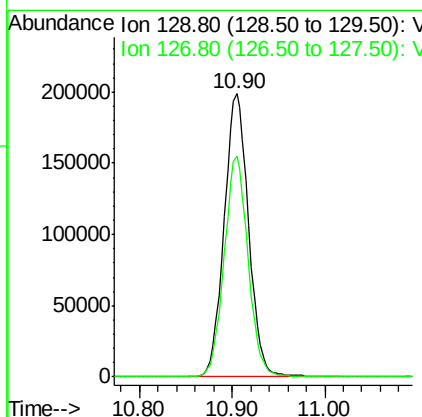
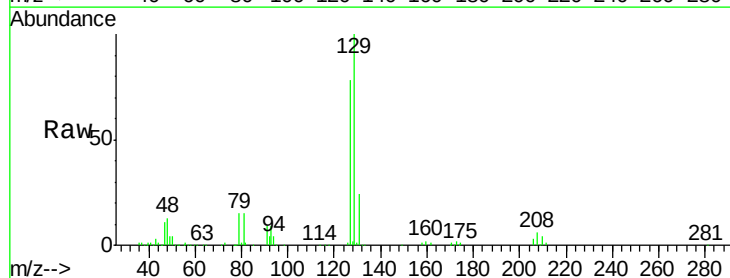
Manual Integrations
APPROVED

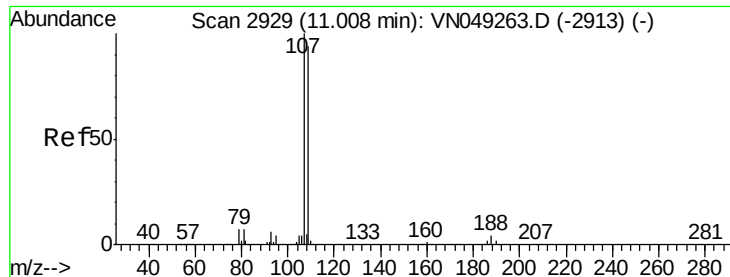
apatel
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#60
Dibromochloromethane
Concen: 19.80 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion: 129 Resp: 362474
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2





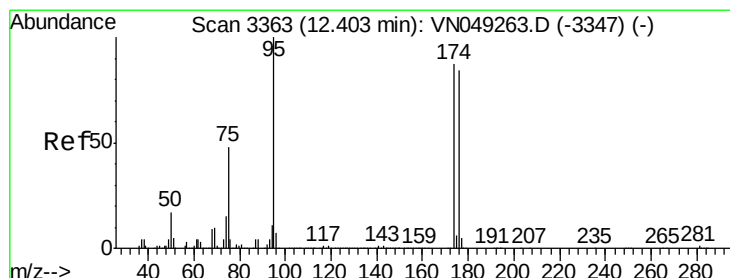
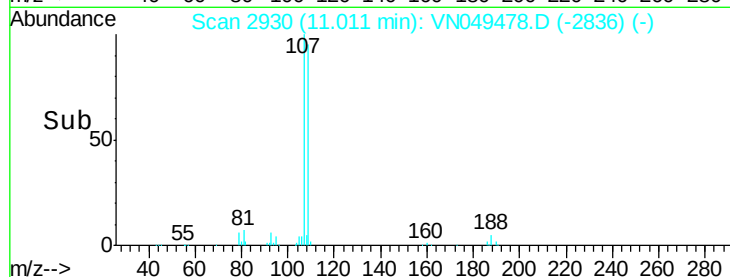
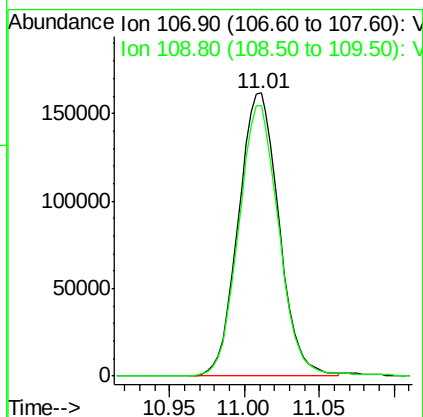
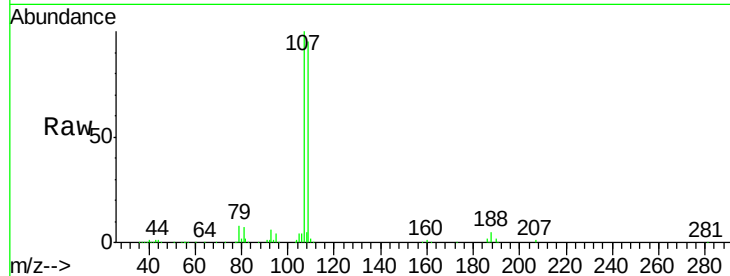
#61
 1,2-Dibromoethane
 Concen: 19.99 ug/l
 RT: 11.01 min Scan# 2930
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	75.4	113.2

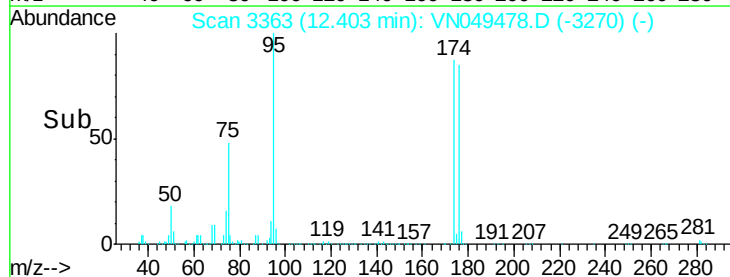
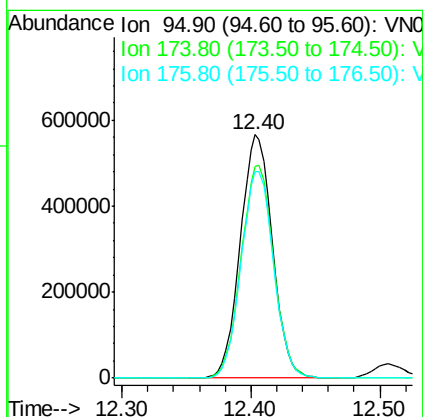
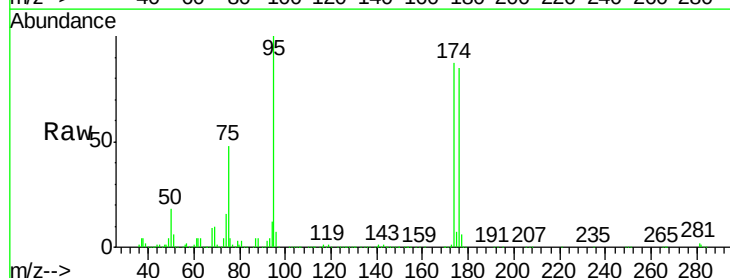
Manual Integrations
 APPROVED

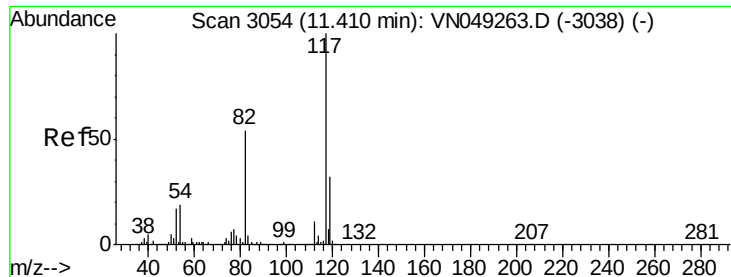
apatel
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#62
 4-Bromofluorobenzene
 Concen: 45.15 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	165.6
176	85.8	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: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0621WBSD01

Tot Ion:117 Resp: 1921274

Ion Ratio Lower Upper

117 100

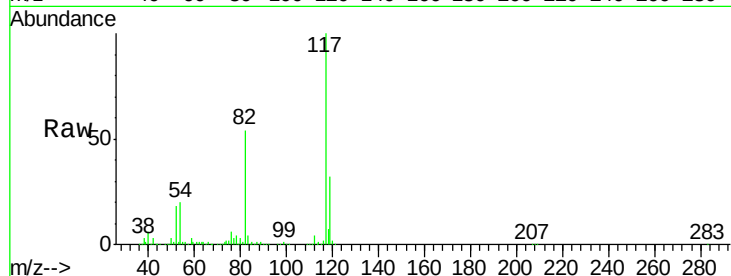
82 54.2 45.9 68.9

119 31.7 25.5 38.3

Manual Integrations
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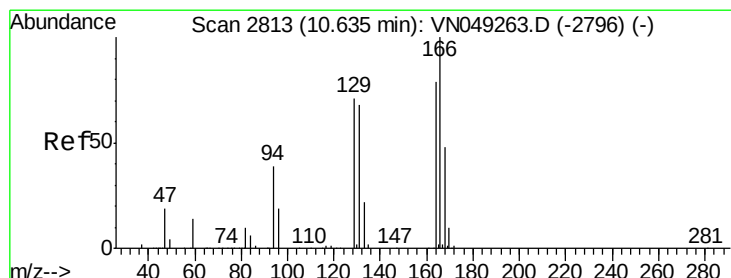
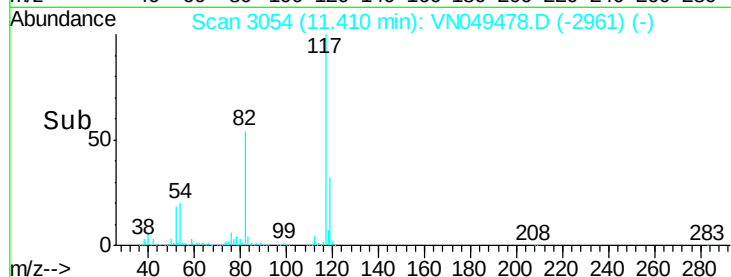
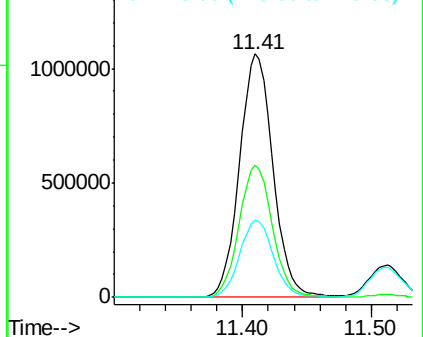
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 21.40 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion:164 Resp: 421330

Ion Ratio Lower Upper

164 100

166 130.6 101.4 152.2

129 90.4 74.1 111.1

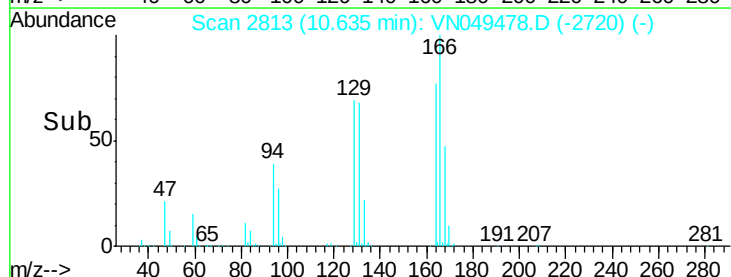
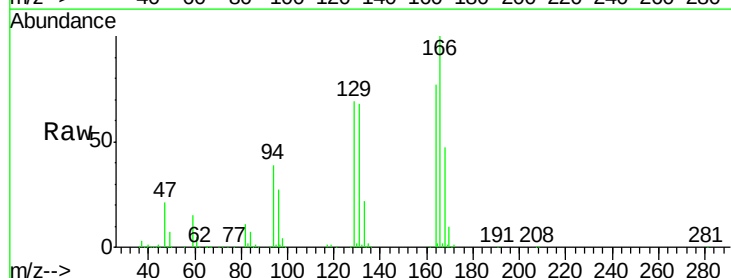
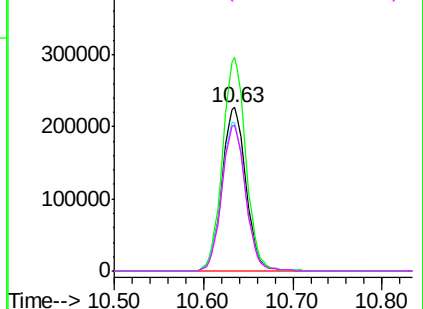
131 88.9 73.7 110.5

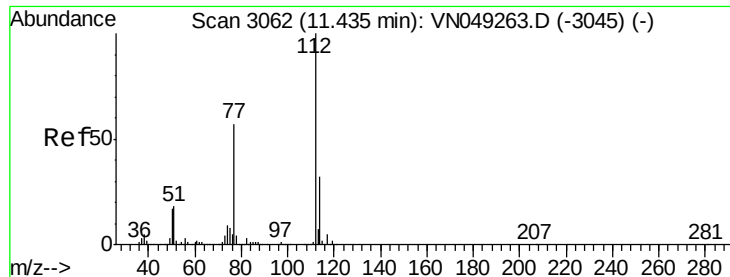
Abundance Ion 163.80 (163.50 to 164.50): V

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: 19.12 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD01

Tot Ion:112 Resp: 946494

Ion Ratio Lower Upper

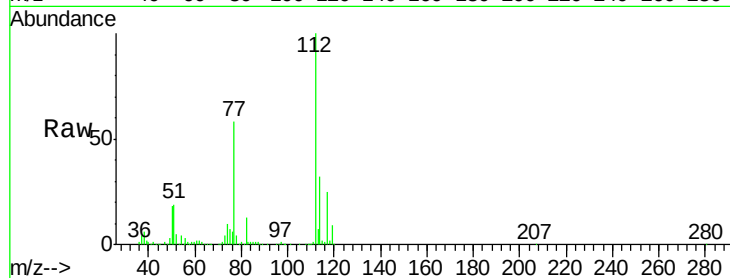
112 100

114 31.5 26.2 39.4

Manual Integrations
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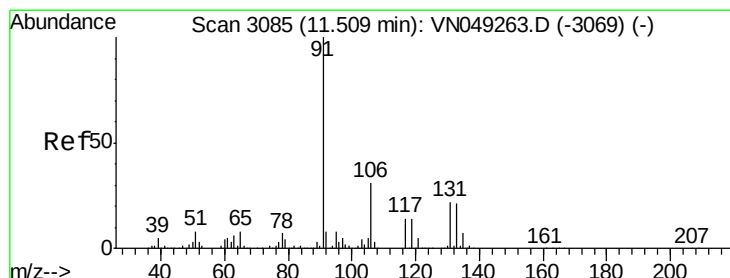
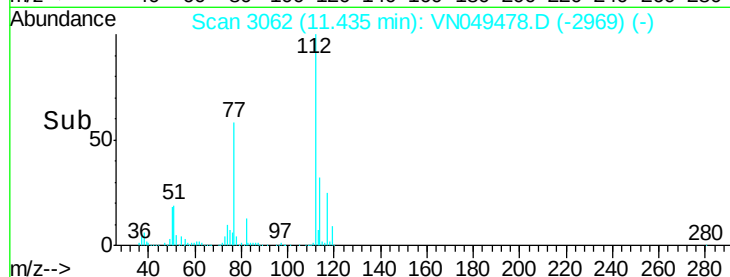
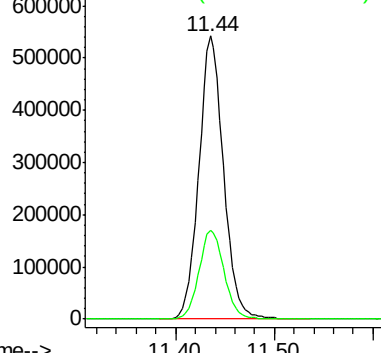
apatel

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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: 19.17 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

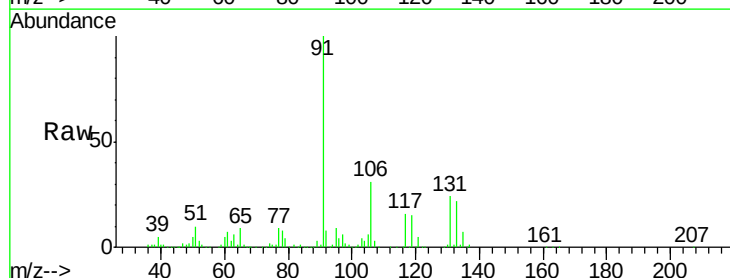
Tgt Ion:131 Resp: 356983

Ion Ratio Lower Upper

131 100

133 96.0 48.0 144.2

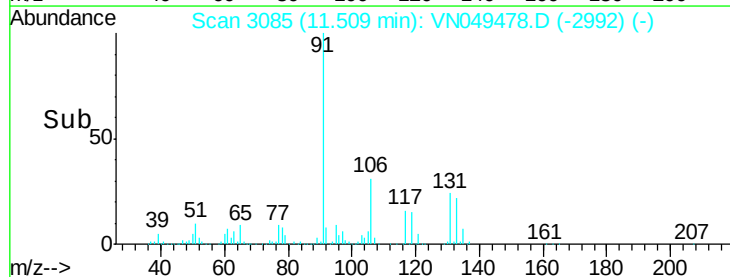
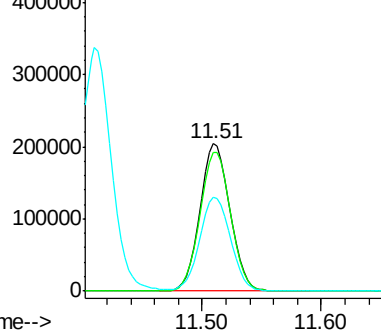
119 65.5 33.6 100.8

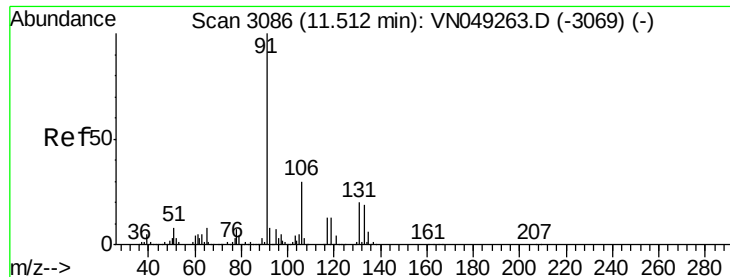


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.19 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0621WBSD01

Tot Ion: 91 Resp: 1575101

Ion Ratio Lower Upper

91 100

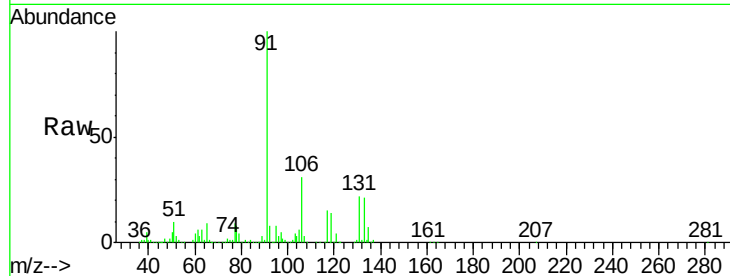
106 31.3 23.9 35.9

Manual Integrations

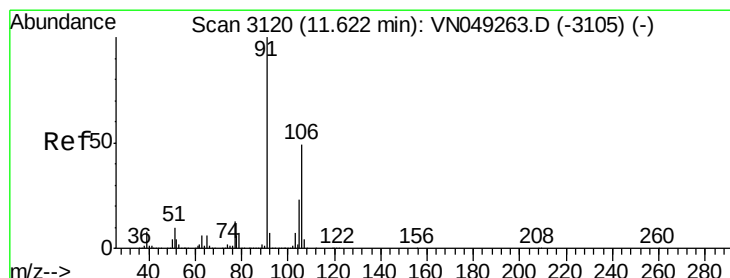
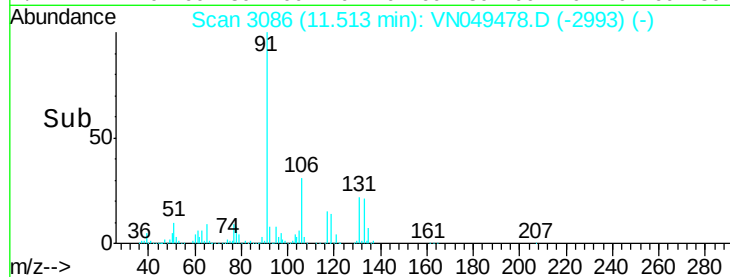
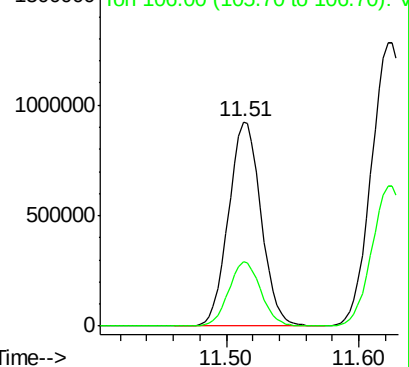
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Abundance Ion 91.00 (90.70 to 91.70): VN049478.D (-2993) (-)



#68

m/p-Xylenes

Concen: 39.72 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049478.D

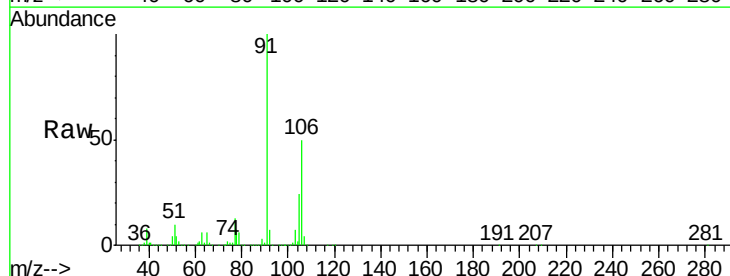
Acq: 21 Jun 2018 19:36

Tgt Ion: 106 Resp: 1223808

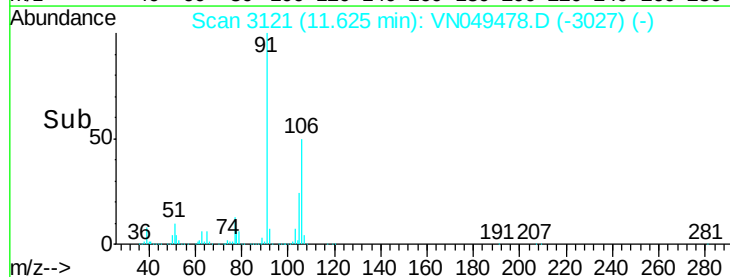
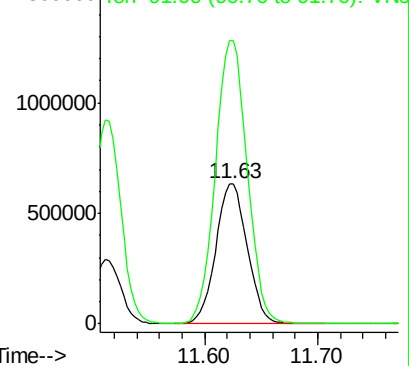
Ion Ratio Lower Upper

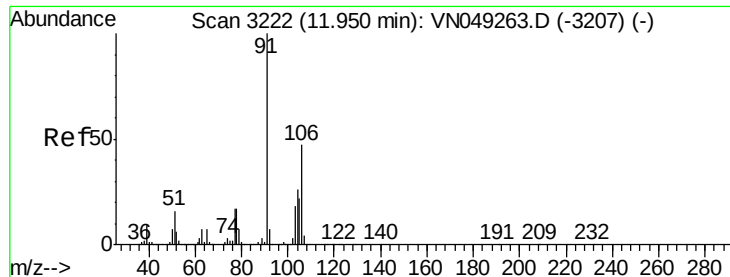
106 100

91 205.2 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049478.D (-3027) (-)





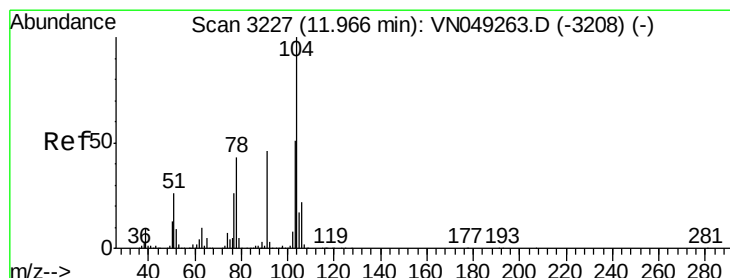
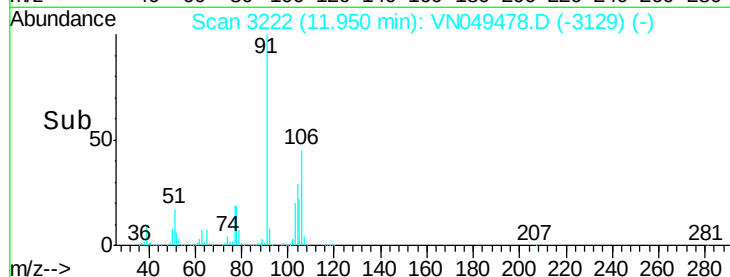
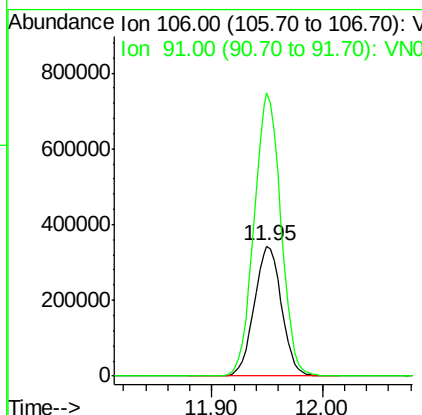
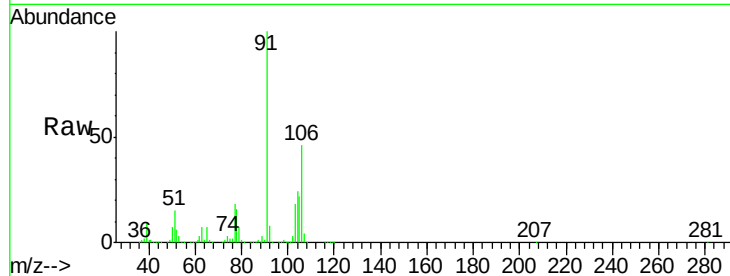
#69
o-Xylene
Concen: 19.78 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampleId :
VN0621WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	586896		
91	91	213.9	111.0	333.0	

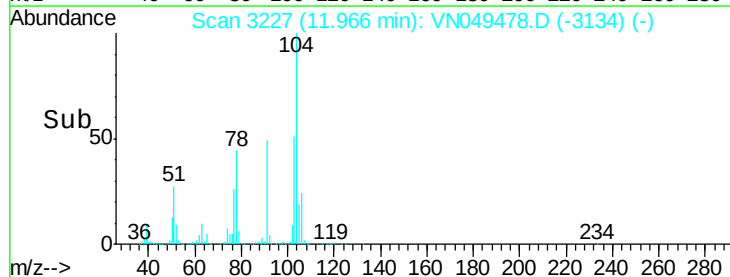
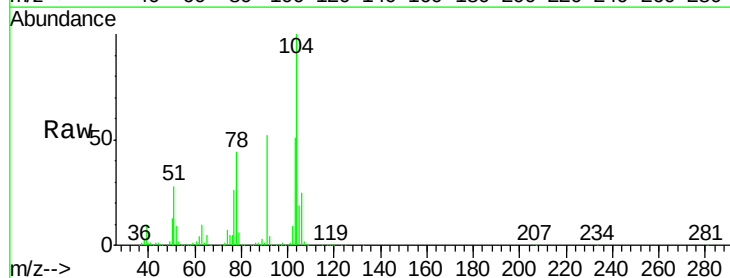
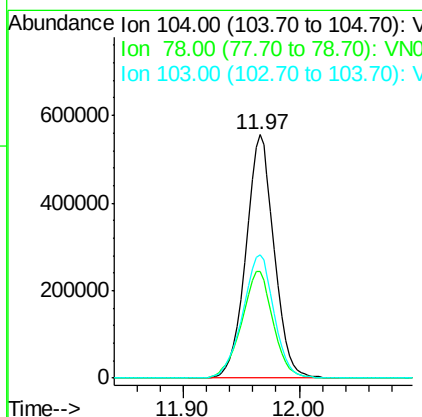
Manual Integrations
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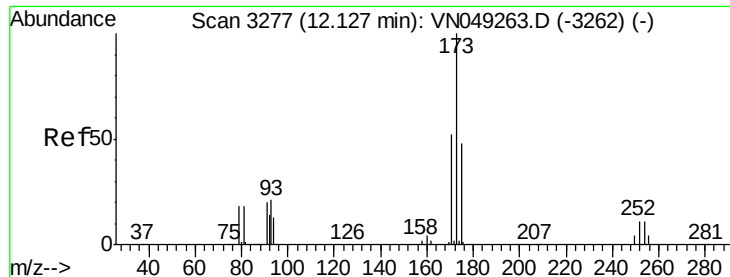
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#70
Styrene
Concen: 20.12 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	942131		
78	78	48.9	41.6	62.4	
103	103	56.3	45.4	68.2	





#71

Bromoform

Concen: 19.82 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0621WBSD01

Tot Ion:173 Resp: 238897

Ion Ratio Lower Upper

173 100

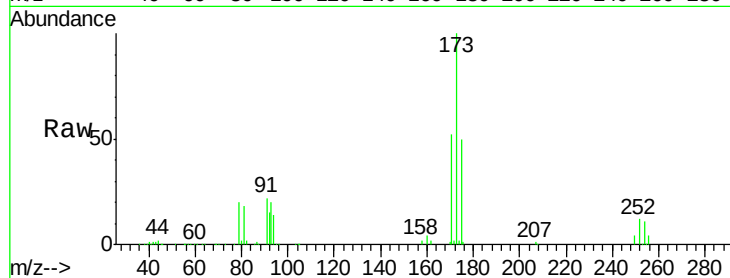
175 49.2 24.5 73.5

254 0.1 0.1 0.1#

Manual Integrations
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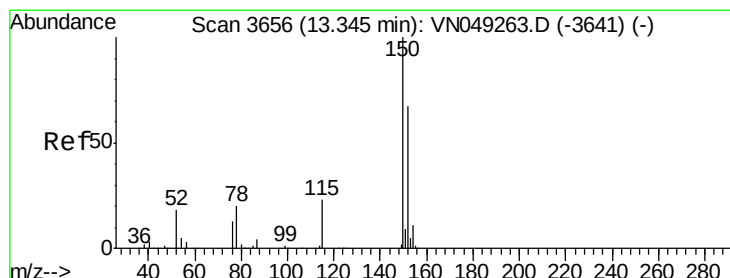
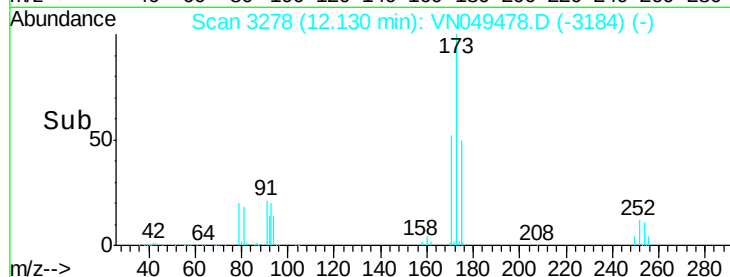
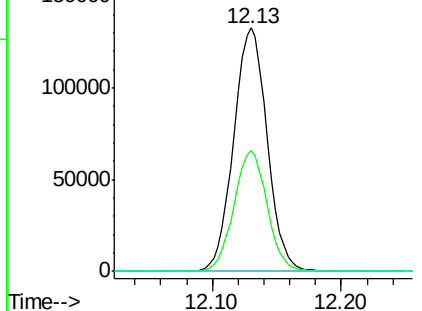
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

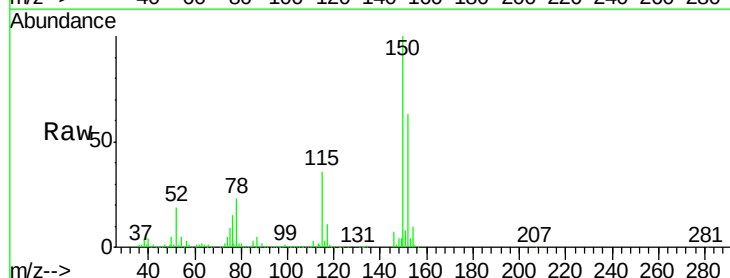
Tgt Ion:152 Resp: 909546

Ion Ratio Lower Upper

152 100

115 56.7 28.7 86.1

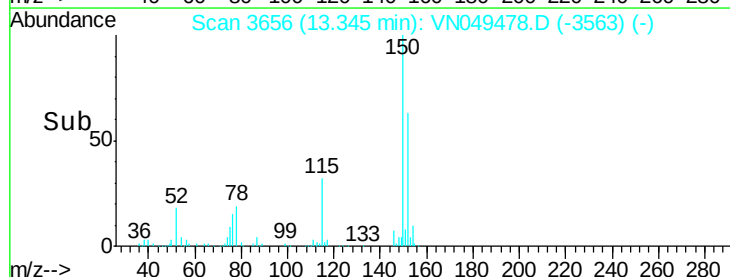
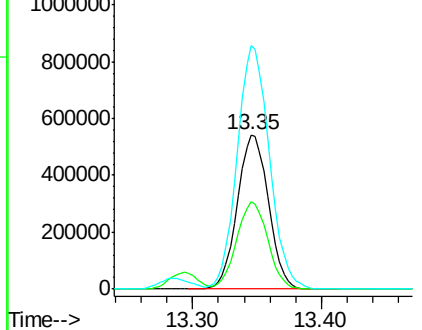
150 163.8 0.0 351.0

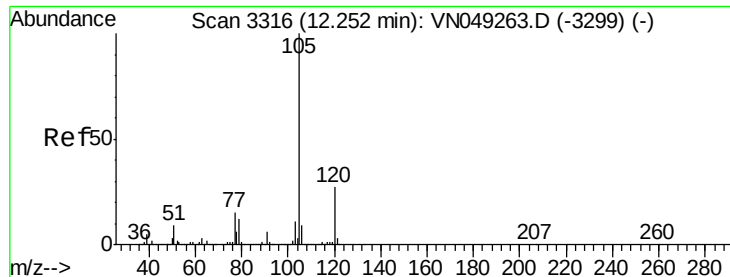


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.58 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampled :

VN0621WBSD01

Tot Ion:105 Resp: 1563876

Ion Ratio Lower Upper

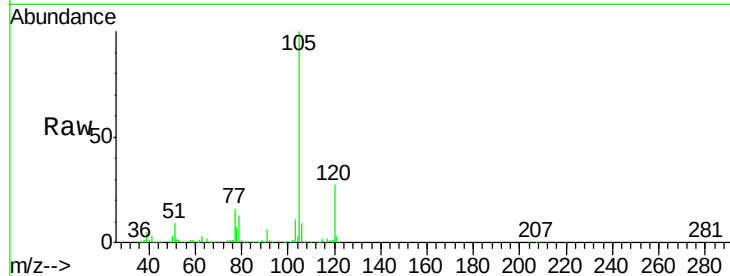
105 100

120 26.8 12.8 38.3

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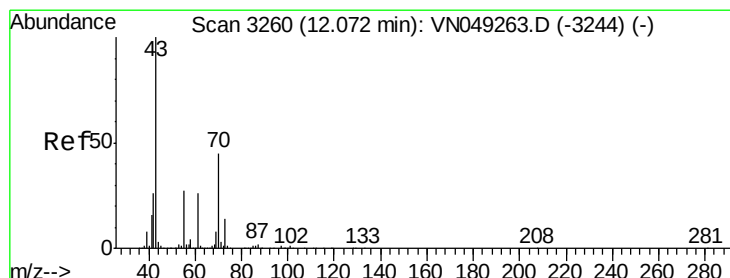
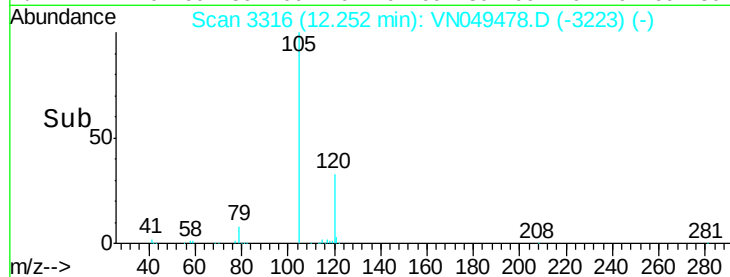
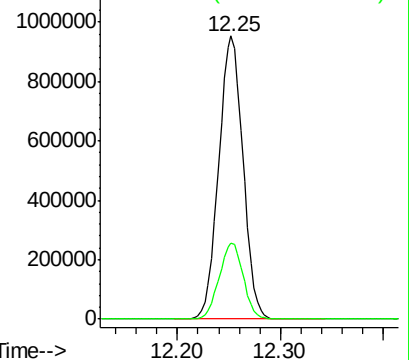
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.15 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion: 43 Resp: 394102

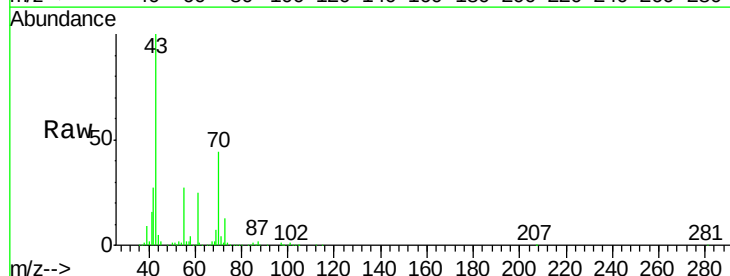
Ion Ratio Lower Upper

43 100

70 42.7 30.3 45.5

55 27.5 19.4 29.2

61 24.5 17.8 26.6

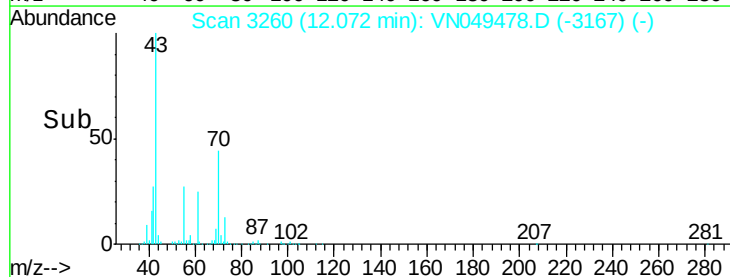
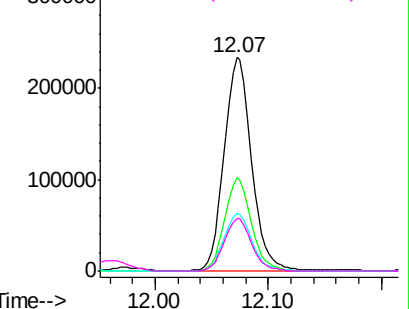


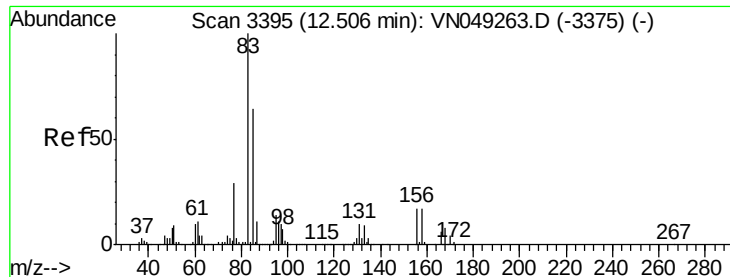
Abundance Ion 43.00 (42.70 to 43.70): V

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: 21.03 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

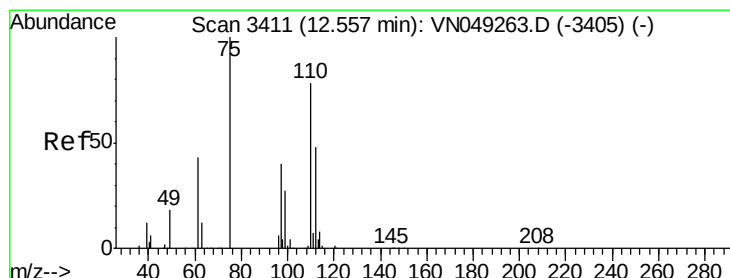
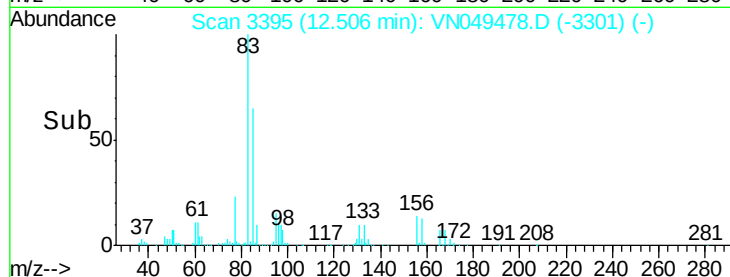
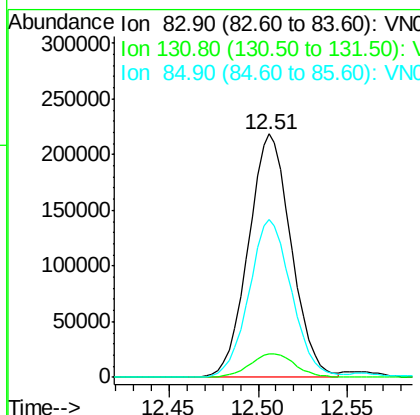
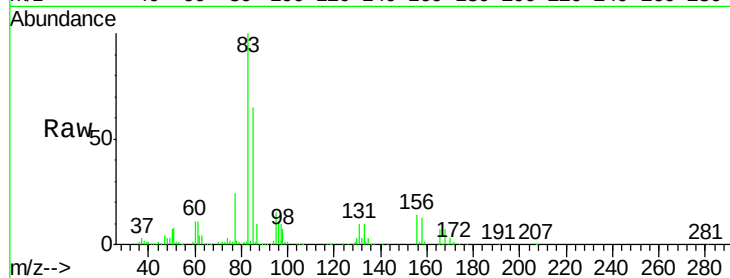
ClientSampleId :

VN0621WBSD01

Tot Ion:	83	Resp:	366776
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.0	15.0
85	64.5	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.86 ug/l m

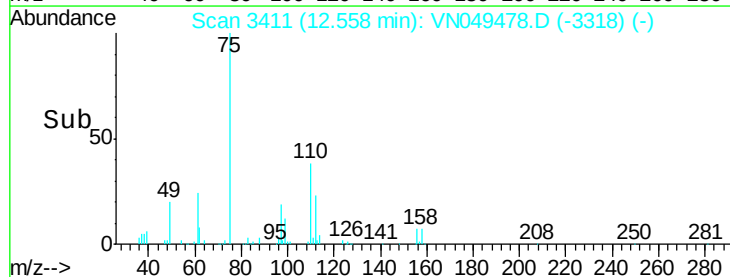
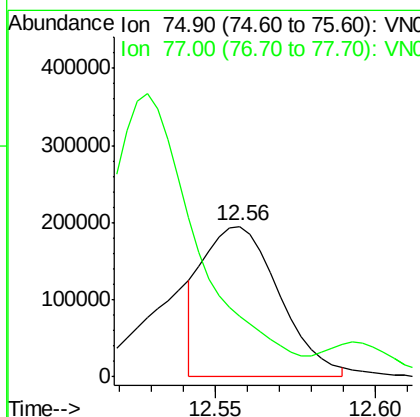
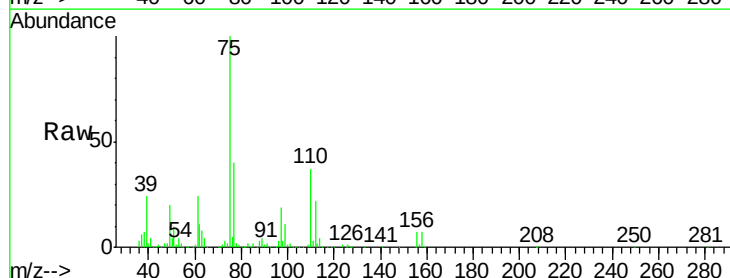
RT: 12.56 min Scan# 3411

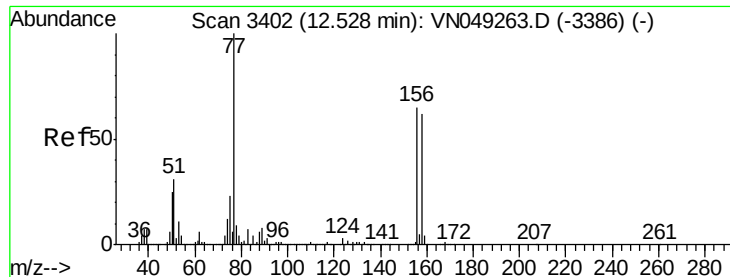
Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion:	75	Resp:	323750
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.88 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

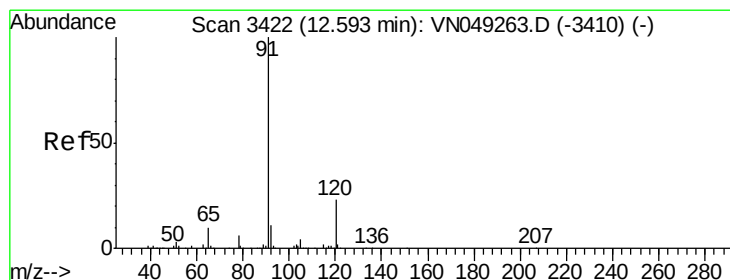
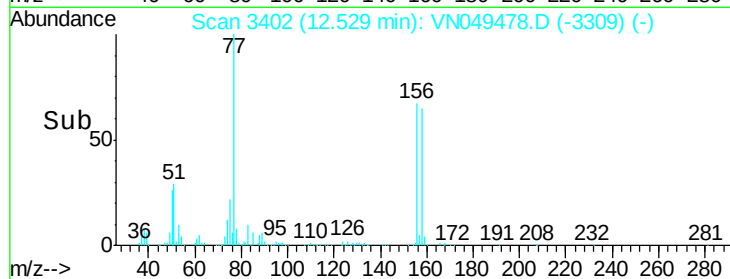
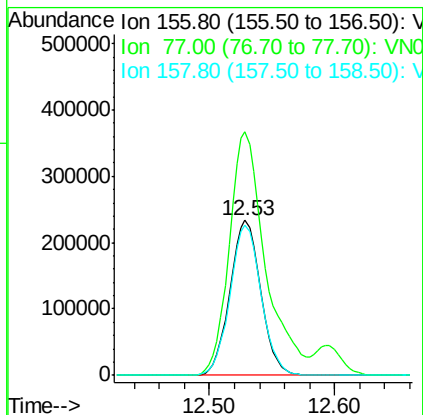
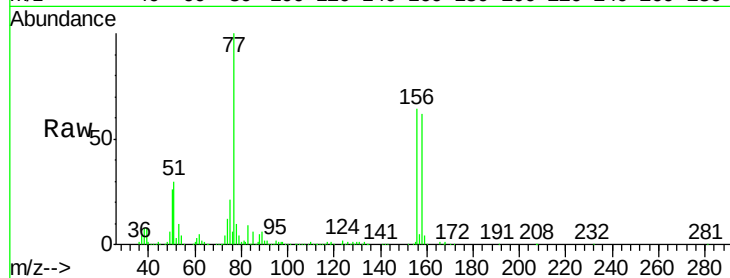
ClientSampleId :

VN0621WBSD01

Tot Ion:	156	Resp:	398205
Ion Ratio	Lower	Upper	
156	100		
77	183.8	100.8	302.4
158	97.7	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.83 ug/l

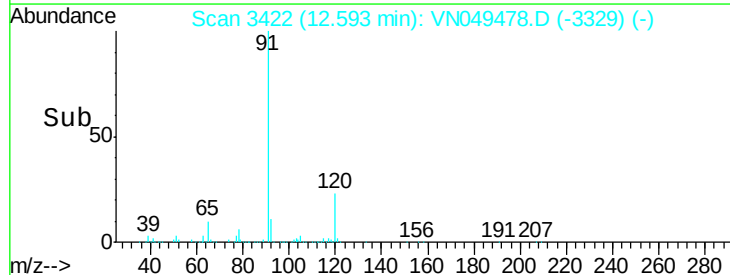
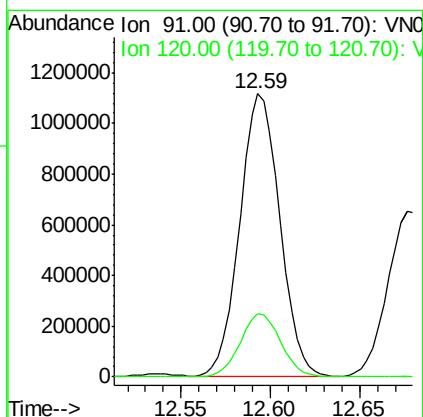
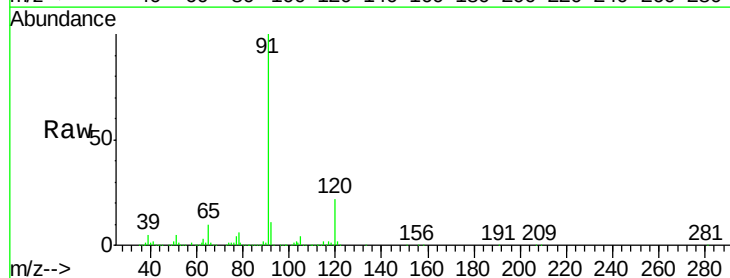
RT: 12.59 min Scan# 3422

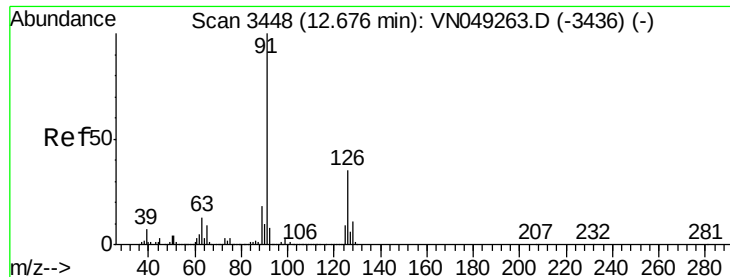
Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion:	91	Resp:	1738613
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD01

Tot Ion: 91 Resp: 1073287

Ion Ratio Lower Upper

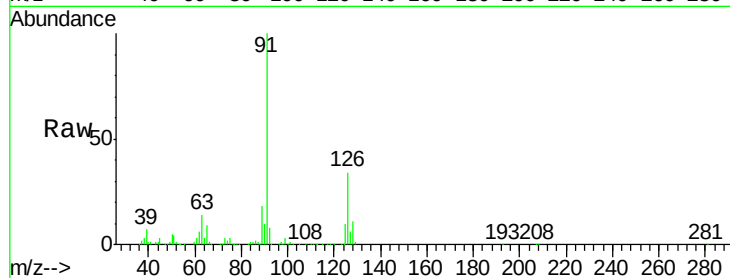
91 100

126 34.7 16.6 49.8

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

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

1000000

800000

600000

400000

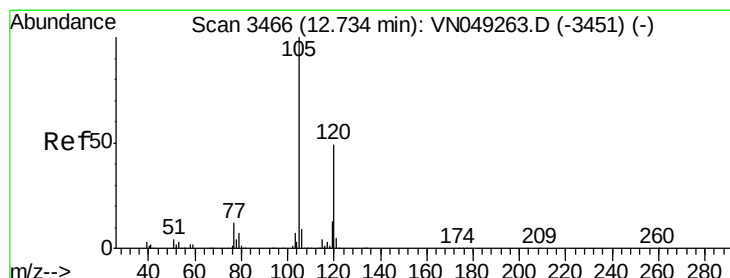
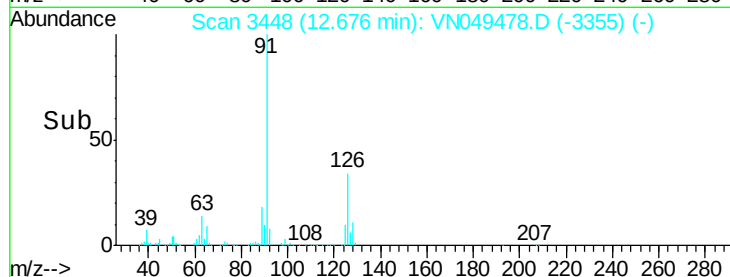
200000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.08 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049478.D

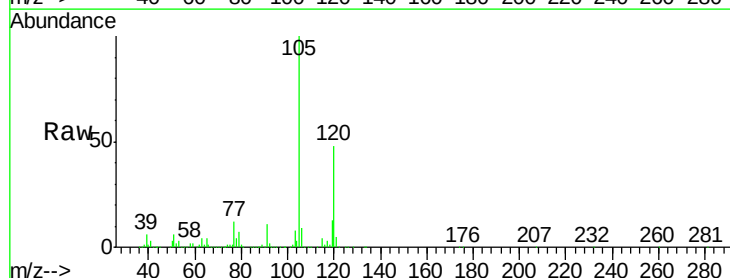
Acq: 21 Jun 2018 19:36

Tgt Ion: 105 Resp: 1260590

Ion Ratio Lower Upper

105 100

120 48.2 23.5 70.5



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

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

800000

600000

400000

200000

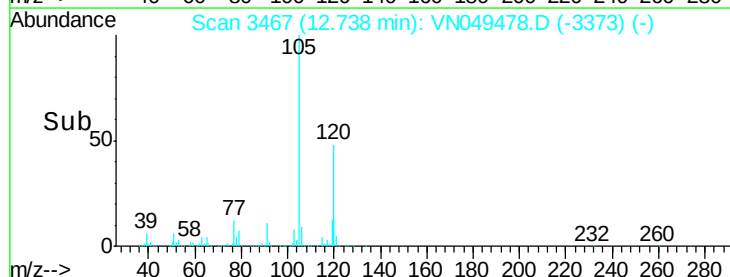
0

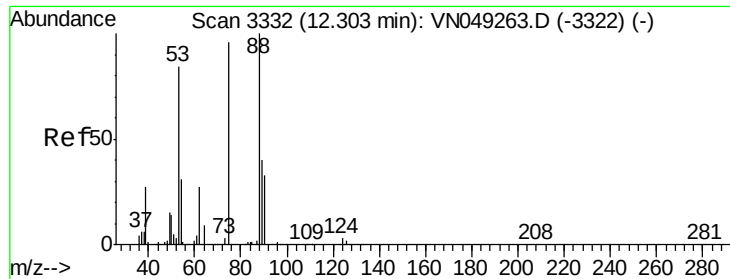
12.70

12.75

12.80

Time-->





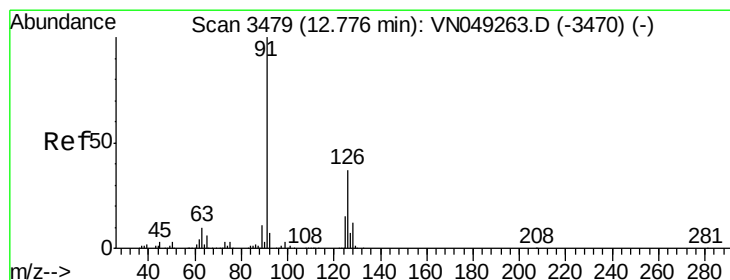
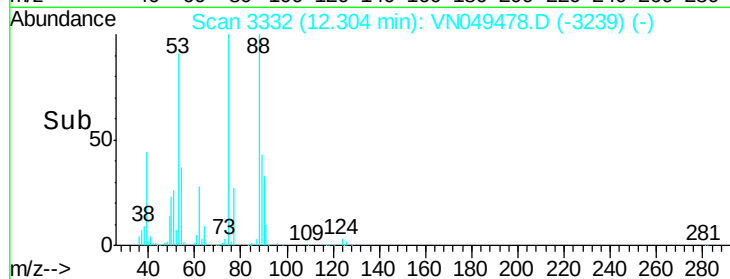
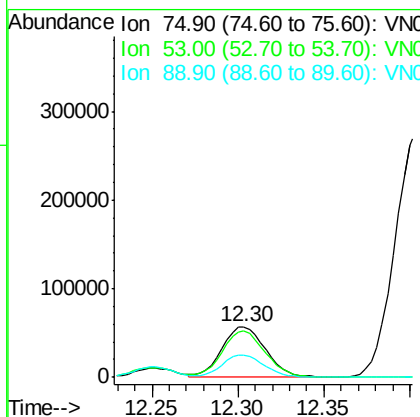
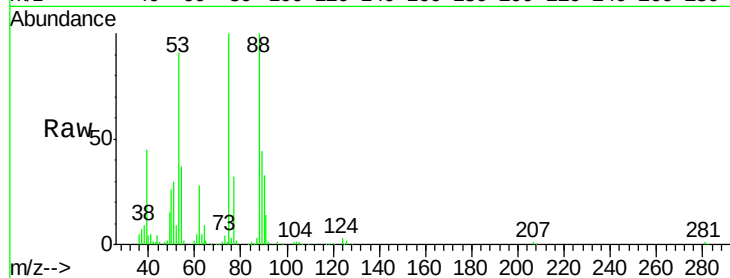
#81
trans-1,4-Dichloro-2-butene
Concen: 20.57 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0621WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.4	82.7	124.1
89	43.1	36.5	54.7

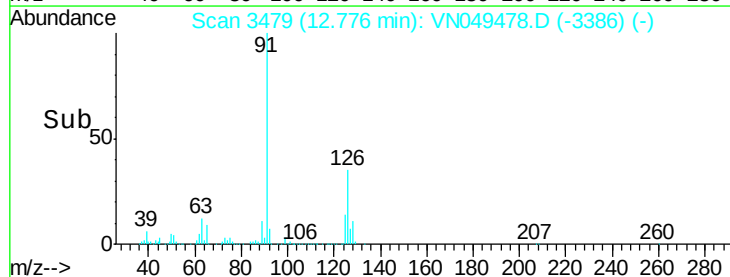
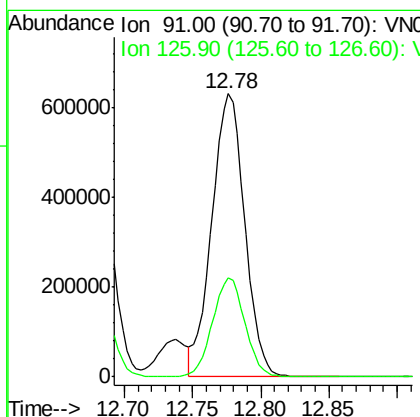
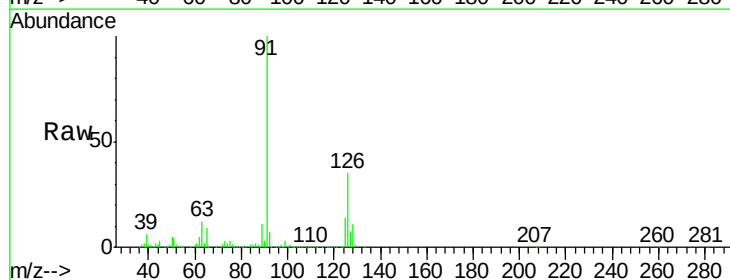
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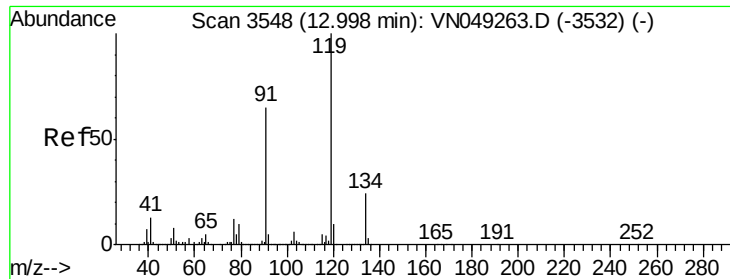
apatel
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#82
4-Chlorotoluene
Concen: 19.70 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	16.4	49.1





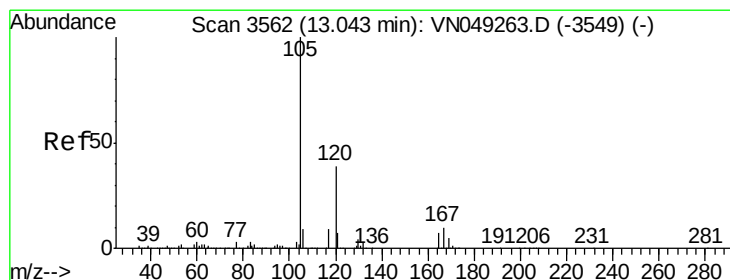
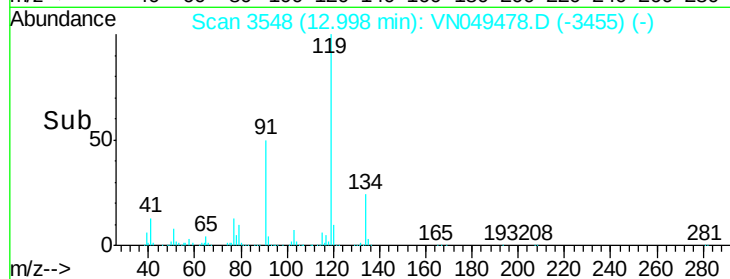
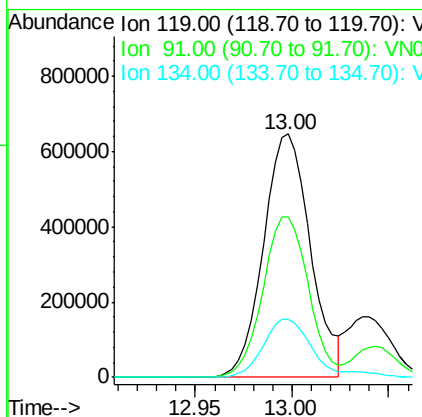
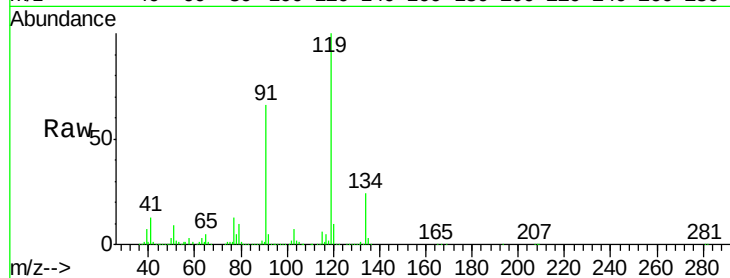
#83
 tert-Butylbenzene
 Concen: 19.60 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621WBSD01

Tot Ion:119 Resp: 1090143
 Ion Ratio Lower Upper
 119 100
 91 64.0 33.7 101.0
 134 25.5 12.9 38.6

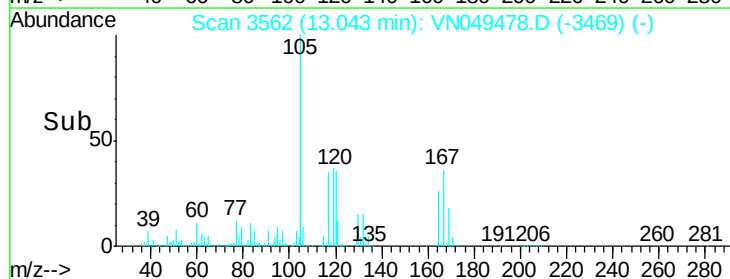
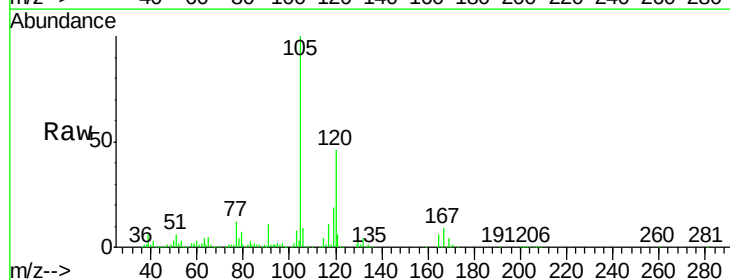
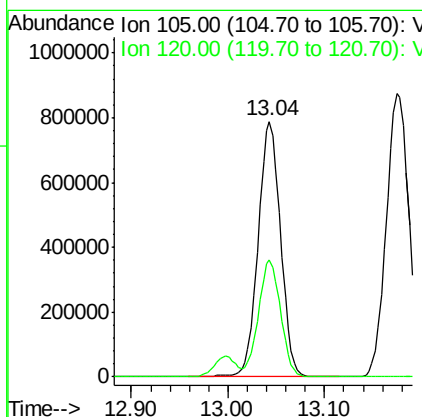
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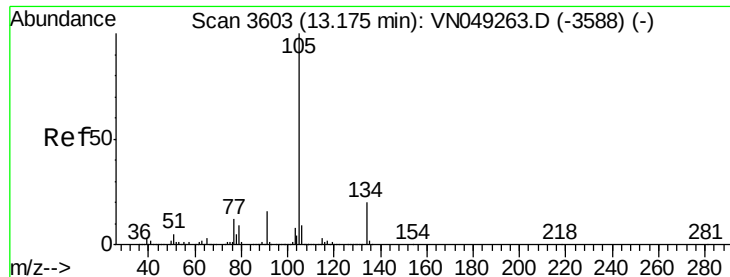
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.32 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion:105 Resp: 1267134
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 19.18 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

ClientSampleId :

VN0621WBSD01

Tot Ion:105 Resp: 1419679

Ion Ratio Lower Upper

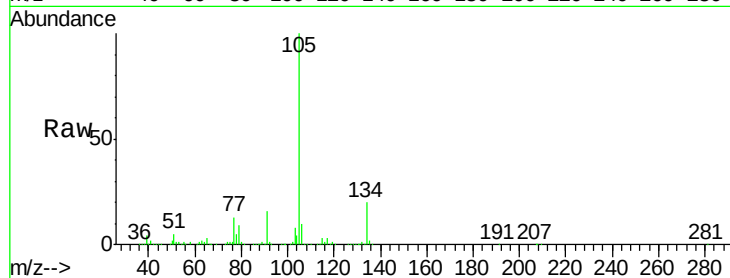
105 100

134 20.1 9.8 29.3

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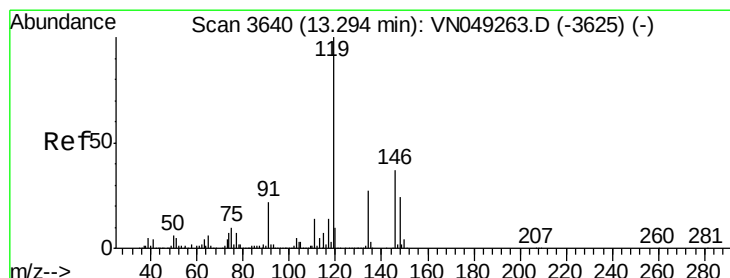
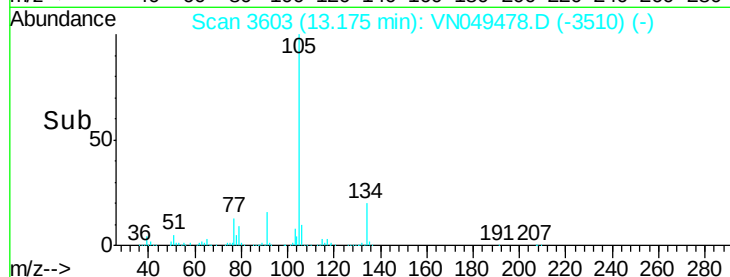
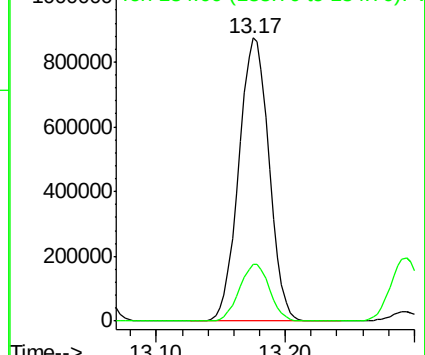
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.27 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

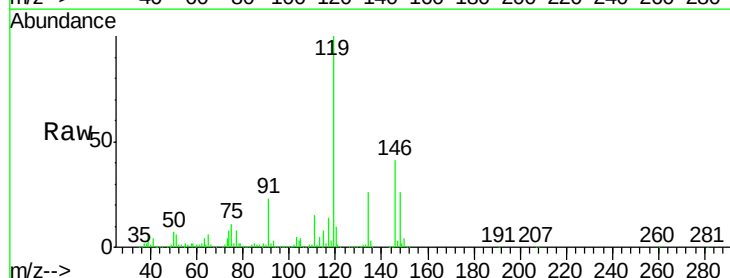
Tgt Ion:119 Resp: 1191773

Ion Ratio Lower Upper

119 100

134 25.9 12.9 38.6

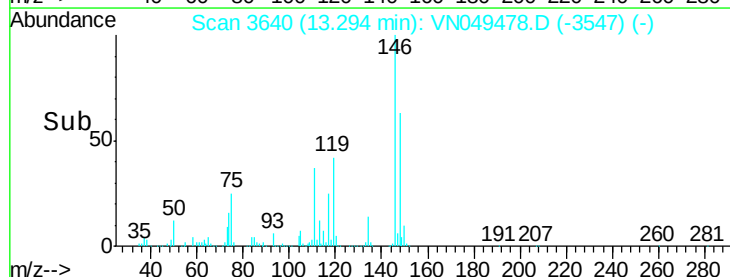
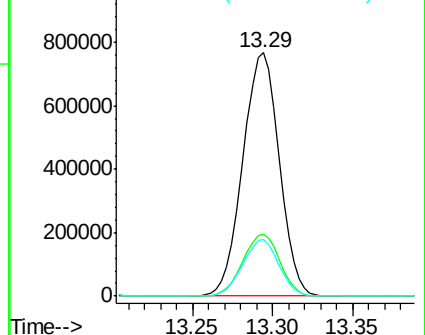
91 23.1 12.1 36.3

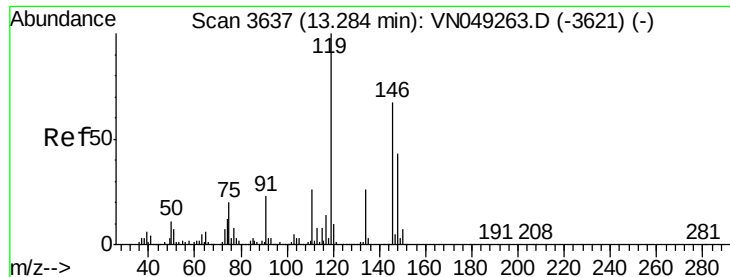


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.11 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

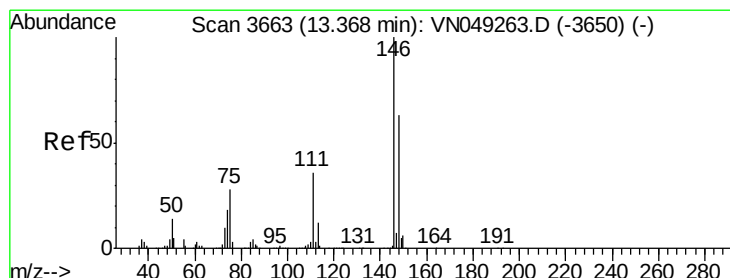
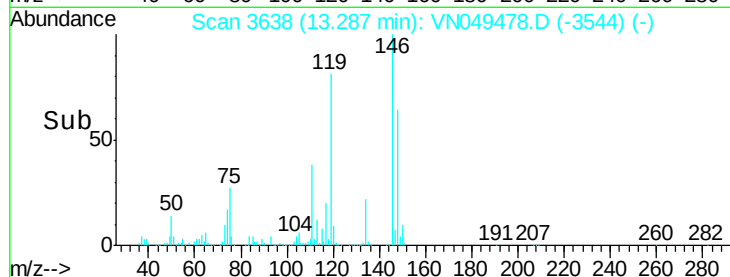
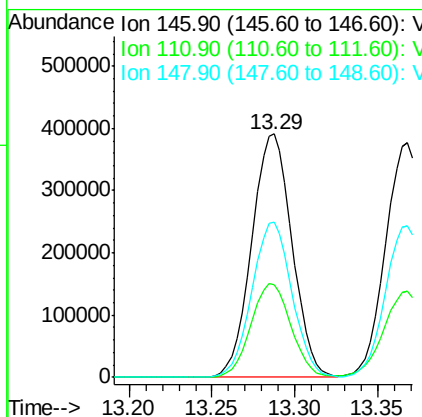
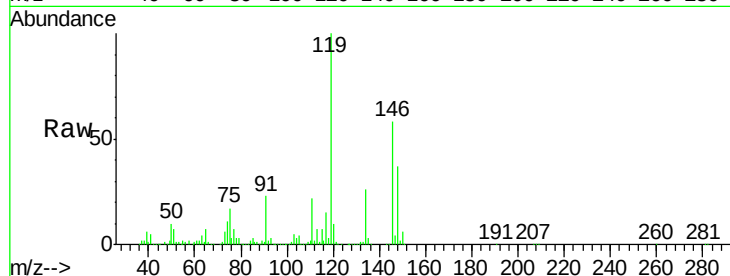
ClientSampled :

VN0621WBSD01

Tot Ion:	146	Resp:	663250
Ion Ratio	Lower	Upper	
146	100		
111	38.3	19.9	59.6
148	63.3	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.46 ug/l

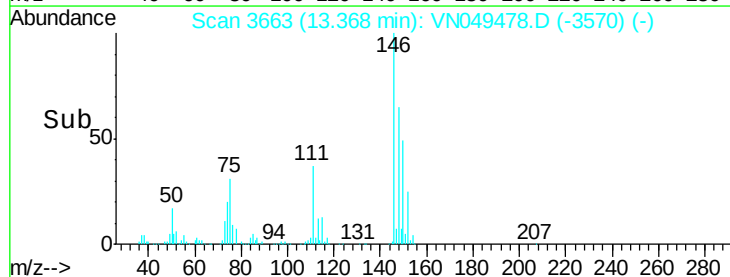
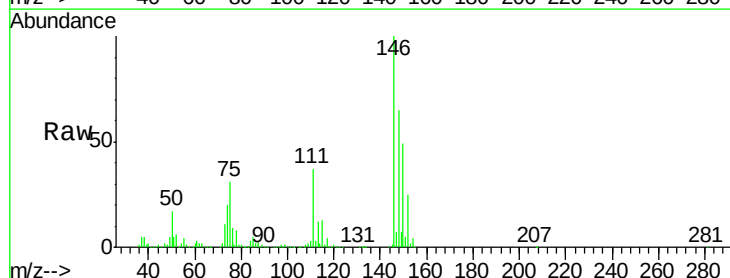
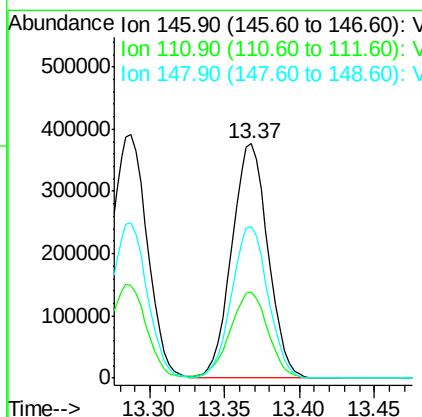
RT: 13.37 min Scan# 3663

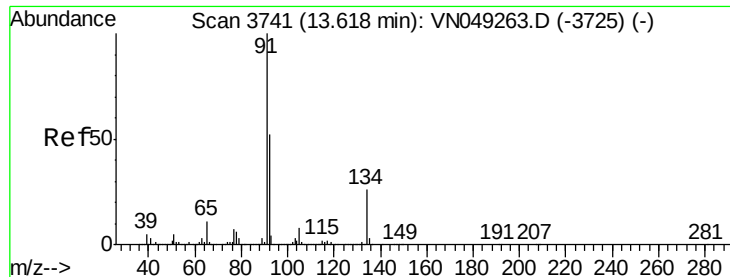
Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion:	146	Resp:	634988
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.1	57.1
148	65.0	32.0	96.2





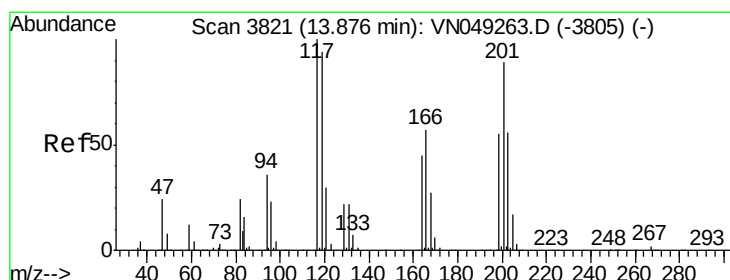
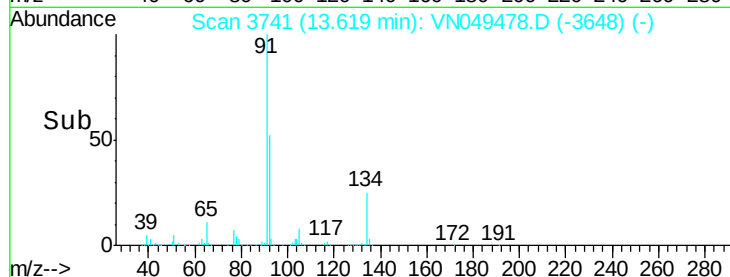
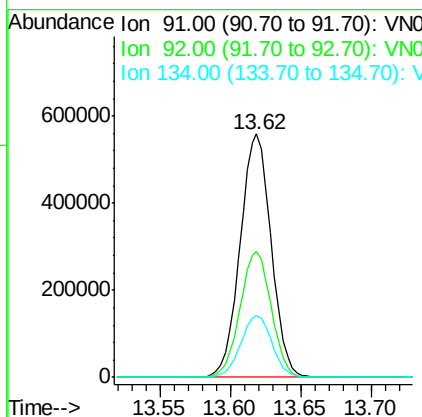
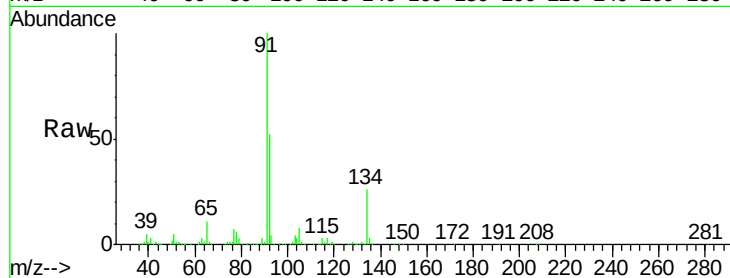
#89
n-Butylbenzene
Concen: 17.84 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Instrument :
MSVOA_N
ClientSampled :
VN0621WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	25.1	75.4
134	25.6	12.0	36.0

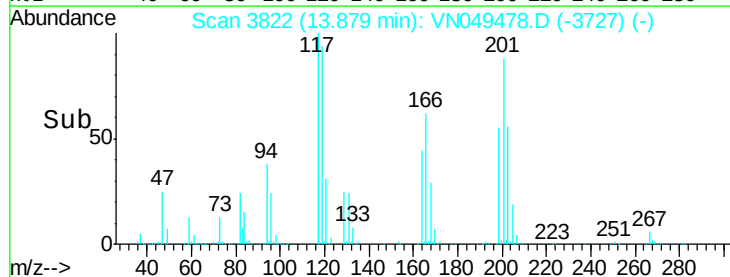
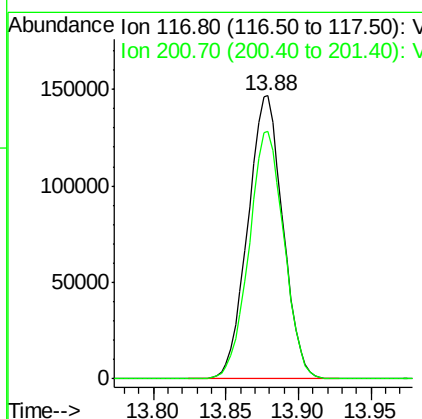
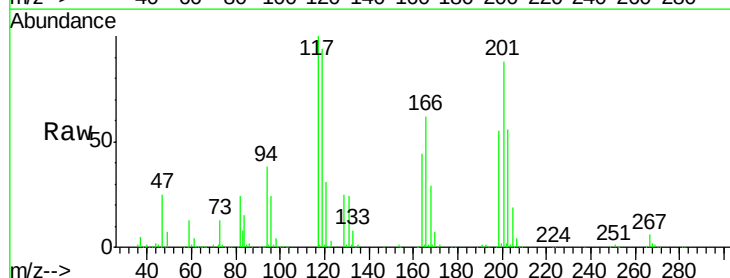
Manual Integrations
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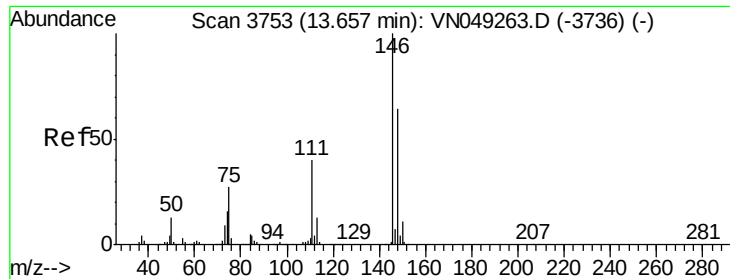
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#90
Hexachloroethane
Concen: 20.15 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN049478.D
Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.2	40.1	120.2





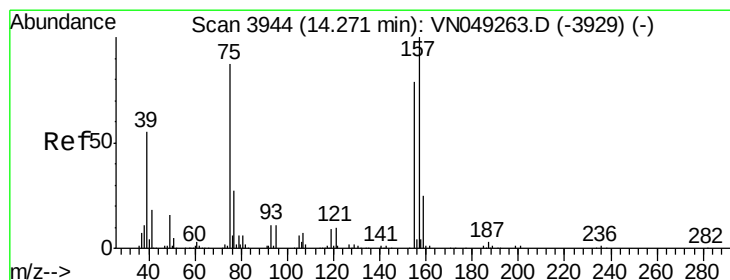
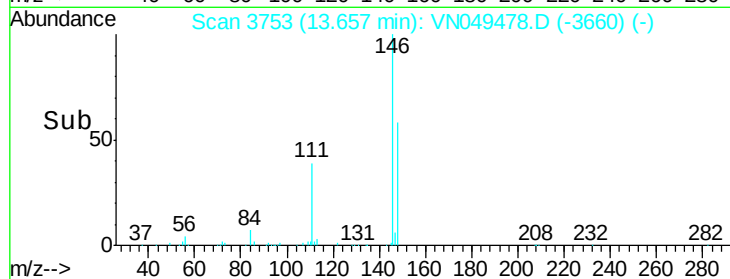
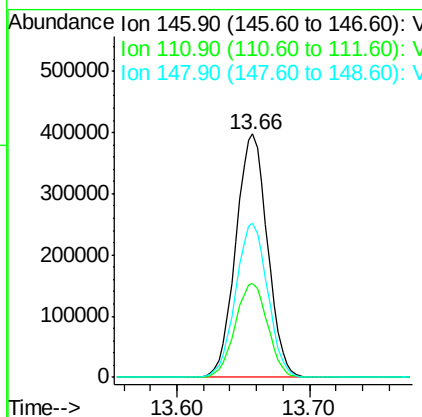
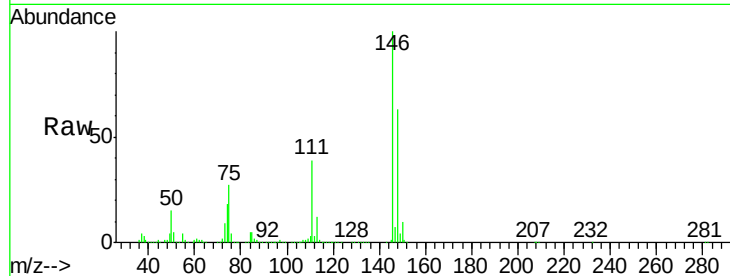
#91
 1,2-Dichlorobenzene
 Concen: 19.32 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0621WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.8	62.2
148	64.2	32.0	96.2

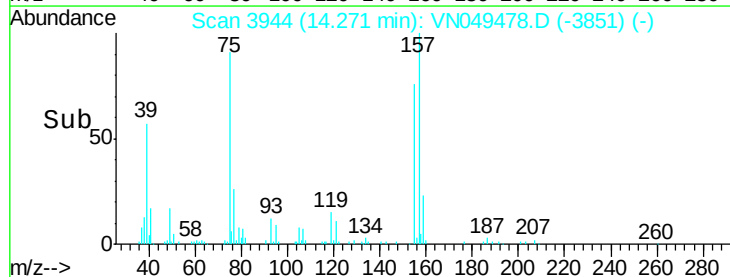
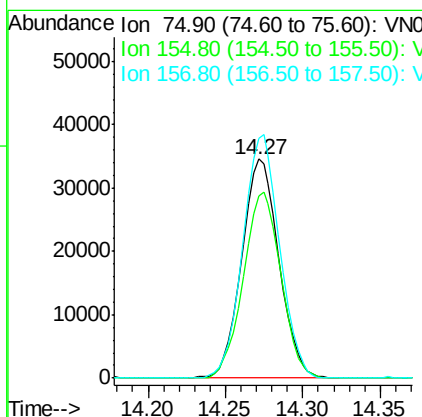
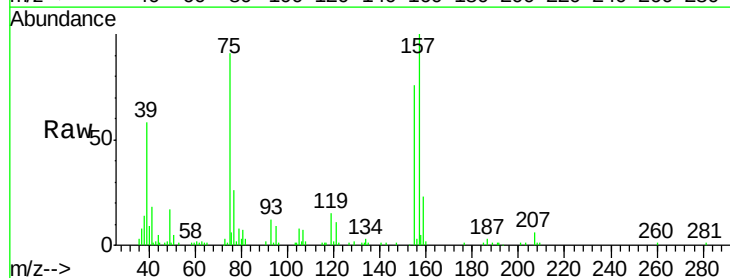
Manual Integrations
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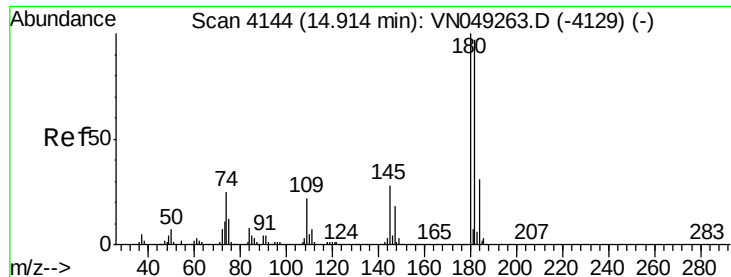
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 6/22/2018 1:58:10 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.82 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.7	38.8	116.3
157	109.6	51.0	153.1





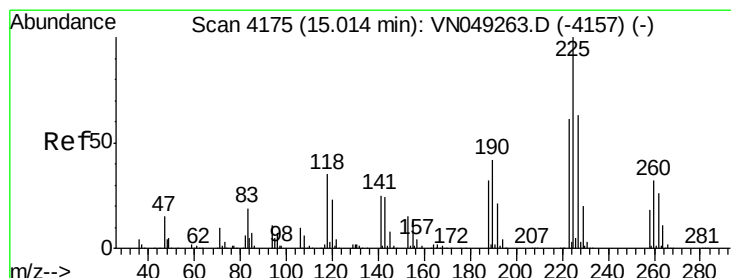
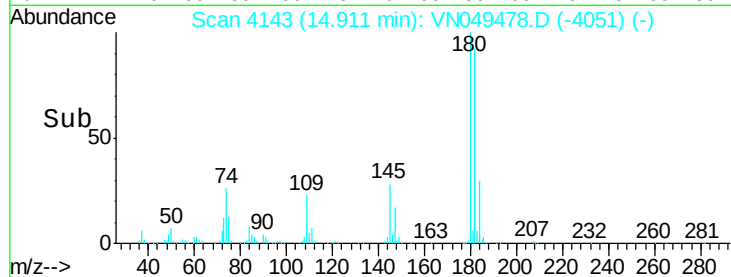
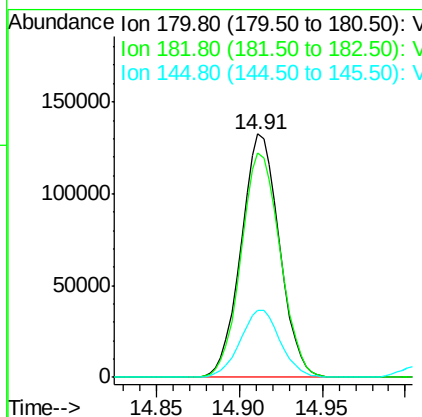
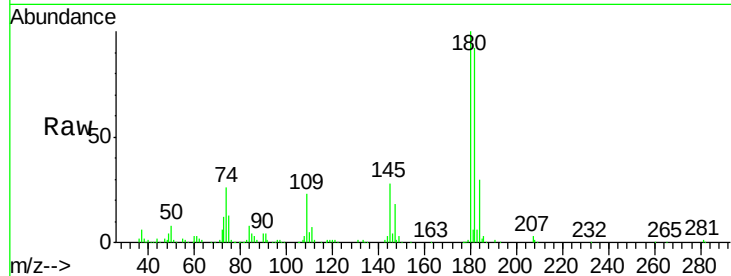
#93
 1,2,4-Trichlorobenzene
 Concen: 17.09 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Instrument :
 MSVOA_N
 ClientSampled :
 VN0621WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	212778		
182	94.0	46.9	140.8	
145	29.0	14.7	44.1	

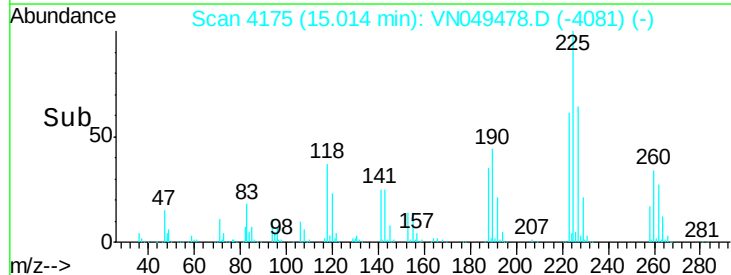
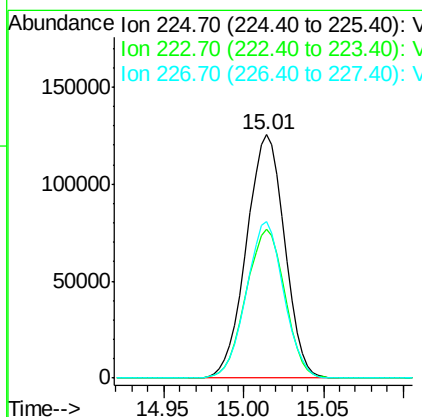
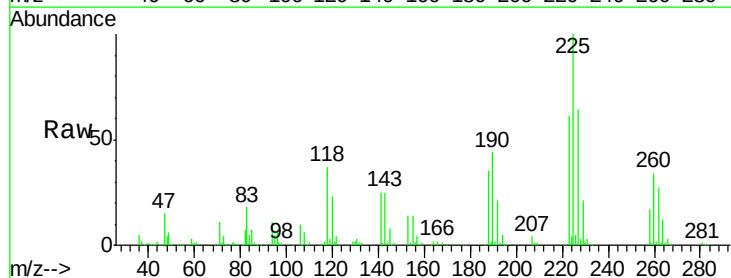
Manual Integrations
 APPROVED

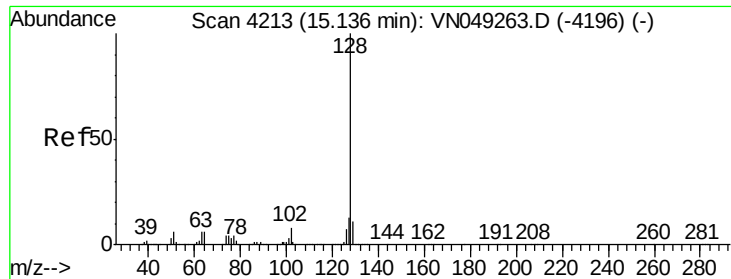
apatel
 6/22/2018 1:58:10 PM



#94
 Hexachlorobutadiene
 Concen: 18.87 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049478.D
 Acq: 21 Jun 2018 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	204676		
223	62.4	32.1	96.3	
227	63.0	31.8	95.3	





#95

Naphthalene

Concen: 18.60 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Instrument :

MSVOA_N

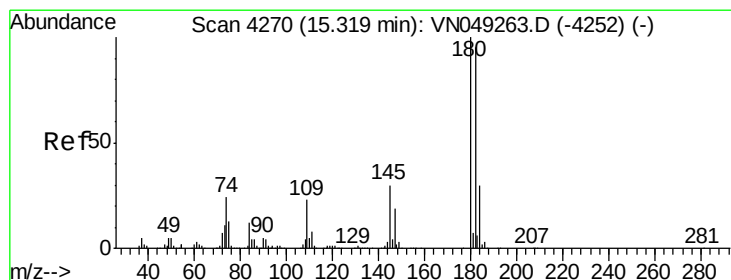
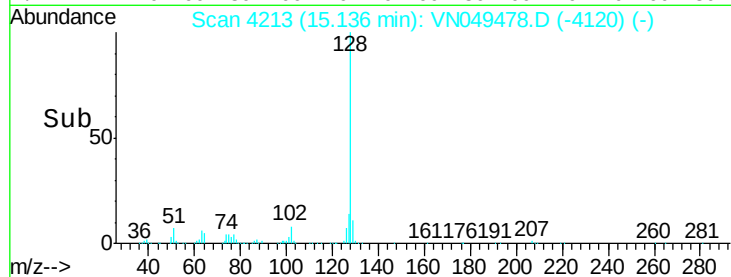
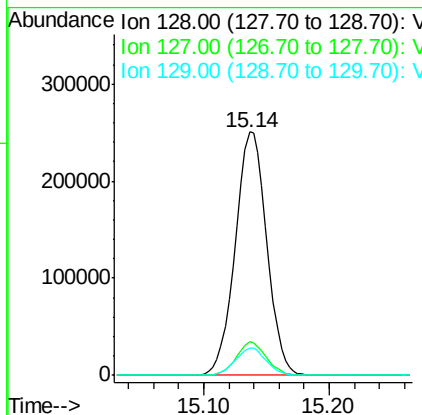
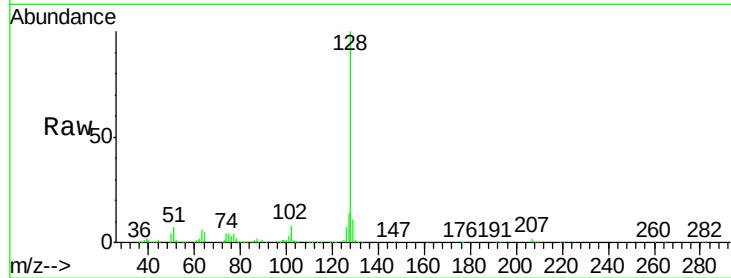
ClientSampleId :

VN0621WBSD01

Tot Ion:	128	Resp:	436833
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	11.0	8.5	12.7

Manual Integrations
APPROVED

apatel
6/22/2018 1:58:10 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.74 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049478.D

Acq: 21 Jun 2018 19:36

Tgt Ion:	180	Resp:	233905
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.3	141.8
145	30.9	15.6	46.7

