

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062118\
 Data File : VN049474.D
 Acq On : 21 Jun 2018 17:53
 Operator : MD\SY
 Sample : VN0621MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Manual Integrations
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 6/22/2018 1:57:58 PM

Quant Time: Jun 22 04:34:56 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	1400807	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2106155	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1909096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	907516	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	885298	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
35) Dibromofluoromethane	7.59	113	791943	46.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.96%	
50) Toluene-d8	10.09	98	2904021	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
62) 4-Bromofluorobenzene	12.40	95	976839	45.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	303484	18.82	ug/l	97
3) Chloromethane	2.06	50	389565	18.71	ug/l	99
4) Vinyl Chloride	2.18	62	415511	18.78	ug/l	99
5) Bromomethane	2.56	94	204986	17.62	ug/l	100
6) Chloroethane	2.70	64	260807	19.77	ug/l	98
7) Trichlorofluoromethane	3.01	101	539721	19.55	ug/l	99
8) Diethyl Ether	3.41	74	193646	20.09	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	328766	18.78	ug/l	92
10) Methyl Iodide	3.95	142	366981	20.14	ug/l	92
11) Tert butyl alcohol	4.80	59	115938	106.32	ug/l	100
12) 1,1-Dichloroethene	3.73	96	302678	18.84	ug/l	90
13) Acrolein	3.61	56	119847	104.80	ug/l	98
14) Allyl chloride	4.32	41	494047	19.48	ug/l	89
15) Acrylonitrile	4.99	53	579437	106.27	ug/l	98
16) Acetone	3.82	43	518933	115.03	ug/l	92
17) Carbon Disulfide	4.05	76	867086	17.22	ug/l	99
18) Methyl Acetate	4.33	43	322349	23.44	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	841269	20.54	ug/l	99
20) Methylene Chloride	4.55	84	364722	19.36	ug/l	90
21) trans-1,2-Dichloroethene	5.04	96	320341	18.84	ug/l	95
22) Diisopropyl ether	5.96	45	1033610	20.41	ug/l	97
23) Vinyl Acetate	5.90	43	3341368	101.21	ug/l	96
24) 1,1-Dichloroethane	5.85	63	624393	19.26	ug/l	99
25) 2-Butanone	6.84	43	675788	111.56	ug/l	95
26) 2,2-Dichloropropane	6.83	77	516932	19.75	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	365268	19.32	ug/l	93
28) Bromochloromethane	7.20	49	255043	17.75	ug/l	88
29) Tetrahydrofuran	7.22	42	418840	107.42	ug/l	93
30) Chloroform	7.37	83	631959	19.59	ug/l	100
31) Cyclohexane	7.65	56	524822	18.99	ug/l	92
32) 1,1,1-Trichloroethane	7.57	97	538140	19.55	ug/l	97
36) 1,1-Dichloropropene	7.80	75	459904	19.05	ug/l	97
37) Ethyl Acetate	6.93	43	291527	22.22	ug/l	98
38) Carbon Tetrachloride	7.78	117	476724	19.08	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	466901	18.02	ug/l	99
40) Benzene	8.04	78	1428267	19.30	ug/l	99
41) Methacrylonitrile	7.18	41	146888	20.71	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	458261	20.04	ug/l	97
43) Isopropyl Acetate	8.17	43	555015	22.14	ug/l	98
44) Trichloroethene	8.84	130	388308	19.87	ug/l	95
45) 1,2-Dichloropropane	9.12	63	381433	19.69	ug/l	99
46) Dibromomethane	9.21	93	220721	19.65	ug/l	91
47) Bromodichloromethane	9.41	83	477091	19.32	ug/l	95
48) Methyl methacrylate	9.20	41	254291	21.54	ug/l	87
49) 1,4-Dioxane	9.21	88	72144	442.71	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	1458764	111.01	ug/l	96
52) Toluene	10.16	92	872714	20.09	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	452566	19.16	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	539583	19.35	ug/l	90
55) 1,1,2-Trichloroethane	10.56	97	322931	19.94	ug/l	97
56) Ethyl methacrylate	10.43	69	388808	20.81	ug/l #	88
57) 1,3-Dichloropropane	10.71	76	536566	20.00	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	451940	78.12	ug/l	96
59) 2-Hexanone	10.75	43	948851	112.00	ug/l	93
60) Dibromochloromethane	10.90	129	354353	19.61	ug/l	99
61) 1,2-Dibromoethane	11.01	107	309334	20.55	ug/l	99
64) Tetrachloroethene	10.63	164	435908	22.28	ug/l	96
65) Chlorobenzene	11.44	112	944713	19.21	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	354209	19.14	ug/l	99
67) Ethyl Benzene	11.51	91	1600253	19.62	ug/l	98
68) m/p-Xylenes	11.62	106	1225490	40.03	ug/l	98
69) o-Xylene	11.95	106	591817	20.07	ug/l	96
70) Styrene	11.97	104	948723	20.39	ug/l	97
71) Bromoform	12.13	173	240861	20.11	ug/l	100
73) Isopropylbenzene	12.25	105	1569137	19.69	ug/l	98
74) N-amyl acetate	12.07	43	404370	20.72	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.51	83	359508	20.61	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	323117m	20.87	ug/l	
77) Bromobenzene	12.53	156	409221	19.44	ug/l	88
78) n-propylbenzene	12.59	91	1747110	19.97	ug/l	99
79) 2-Chlorotoluene	12.68	91	1066711	19.24	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1273521	20.33	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	96927	19.78	ug/l	95
82) 4-Chlorotoluene	12.78	91	1060728	19.83	ug/l	98
83) tert-Butylbenzene	13.00	119	1089876	19.64	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1271129	20.43	ug/l	99
85) sec-Butylbenzene	13.17	105	1445065	19.57	ug/l	99
86) p-Isopropyltoluene	13.29	119	1211548	19.64	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	662494	19.13	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	637094	18.56	ug/l	100
89) n-Butylbenzene	13.62	91	900284	18.68	ug/l	98
90) Hexachloroethane	13.88	117	242035	19.70	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	659179	19.41	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56826	20.48	ug/l	85

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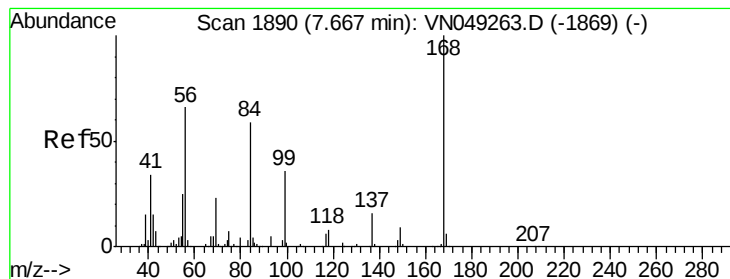
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	216796	17.35	ug/l	99
94) Hexachlorobutadiene	15.01	225	209222	19.40	ug/l	98
95) Naphthalene	15.14	128	480774	20.21	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	242726	18.31	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

Tot Ion:168 Resp: 1400807

Ion Ratio Lower Upper

168 100

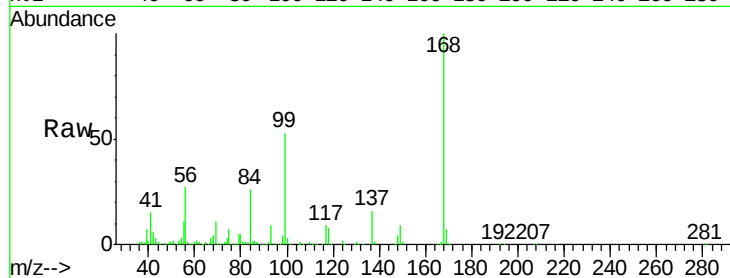
99 52.3 45.8 68.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

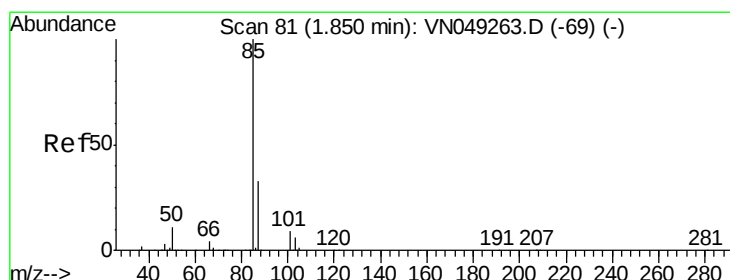
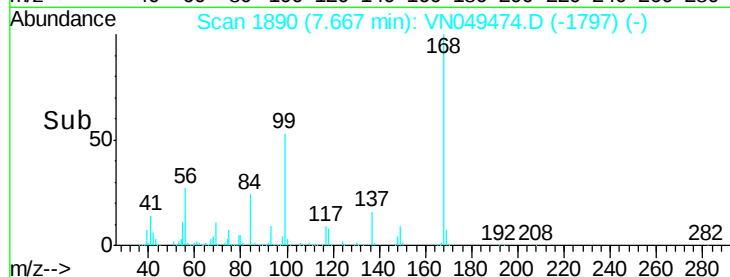
400000

200000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.82 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049474.D

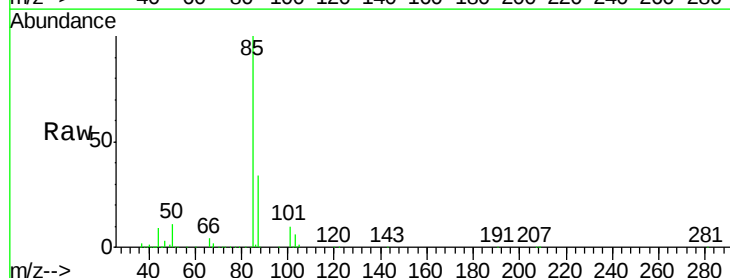
Acq: 21 Jun 2018 17:53

Tgt Ion: 85 Resp: 303484

Ion Ratio Lower Upper

85 100

87 33.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

250000

200000

150000

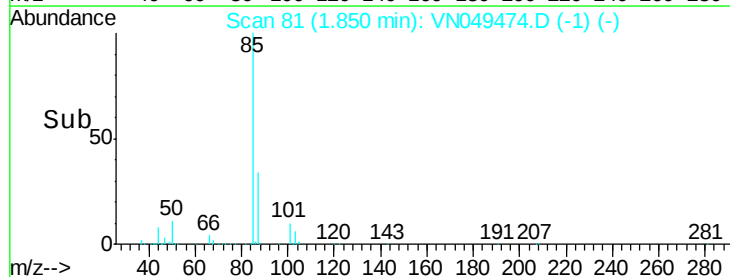
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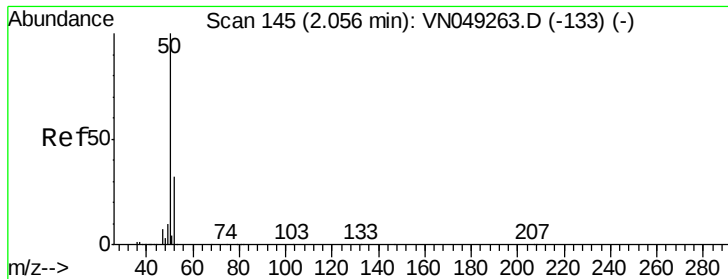
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.71 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

Tot Ion: 50 Resp: 389565

Ion Ratio Lower Upper

50 100

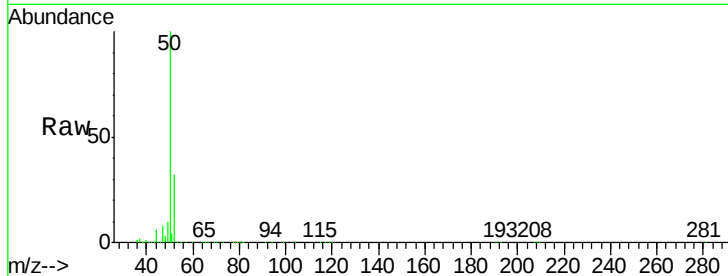
52 31.9 25.2 37.8

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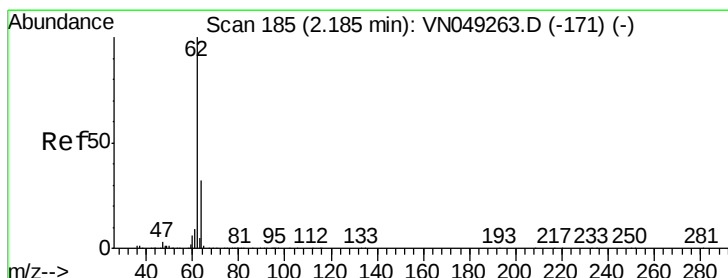
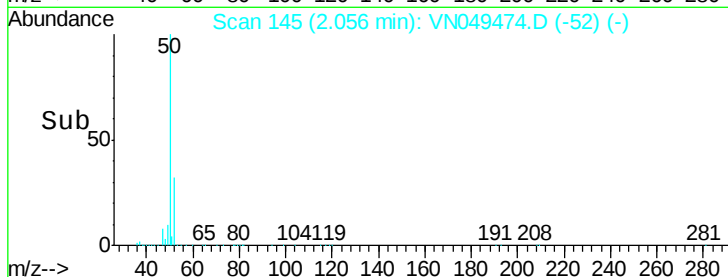
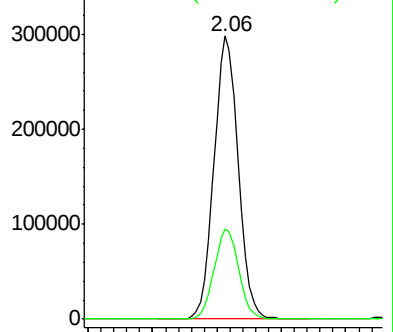
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.78 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049474.D

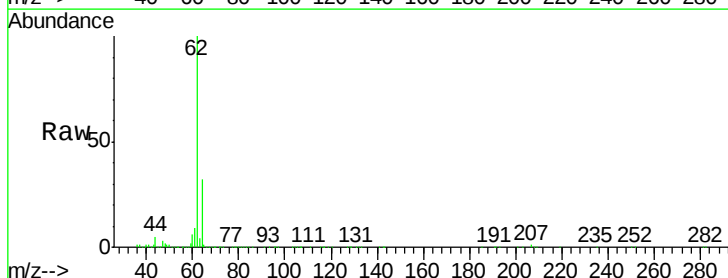
Acq: 21 Jun 2018 17:53

Tgt Ion: 62 Resp: 415511

Ion Ratio Lower Upper

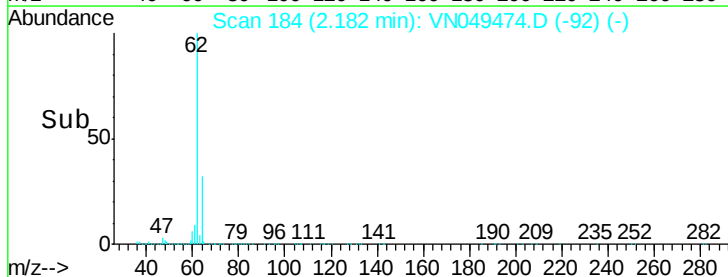
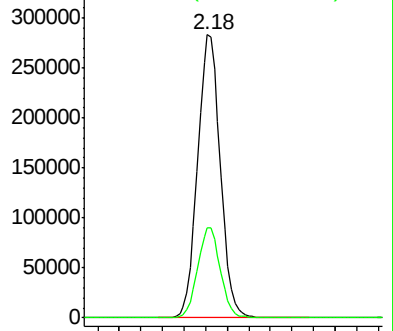
62 100

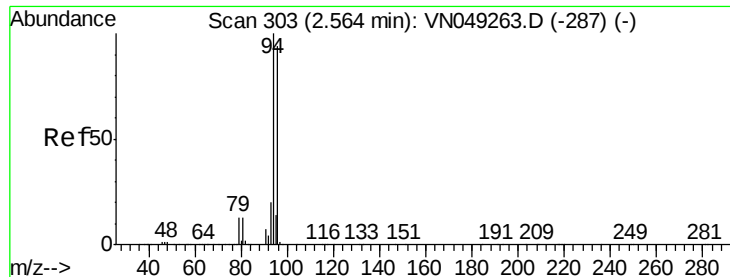
64 31.8 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.62 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

Tot Ion: 94 Resp: 204986

Ion Ratio Lower Upper

94 100

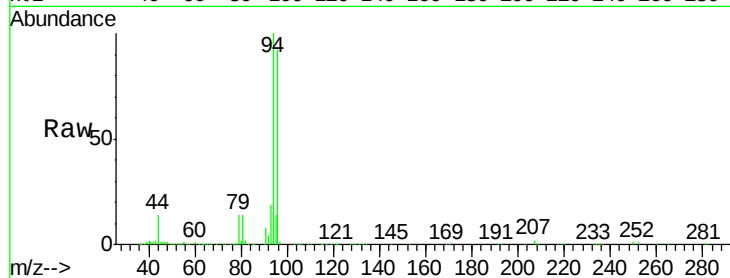
96 91.1 72.8 109.2

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

120000

100000

80000

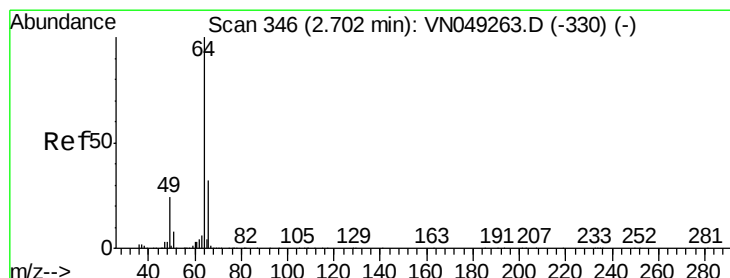
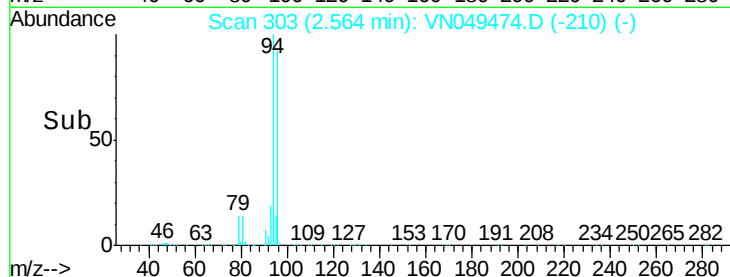
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 19.77 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049474.D

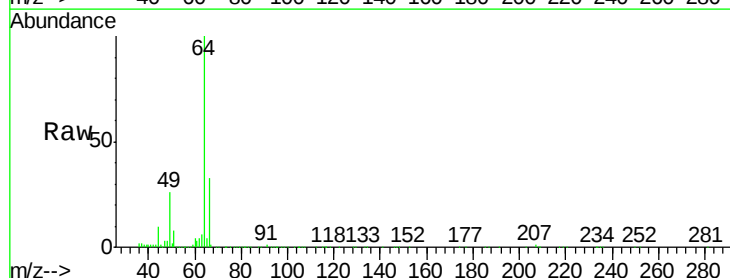
Acq: 21 Jun 2018 17:53

Tgt Ion: 64 Resp: 260807

Ion Ratio Lower Upper

64 100

66 32.9 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

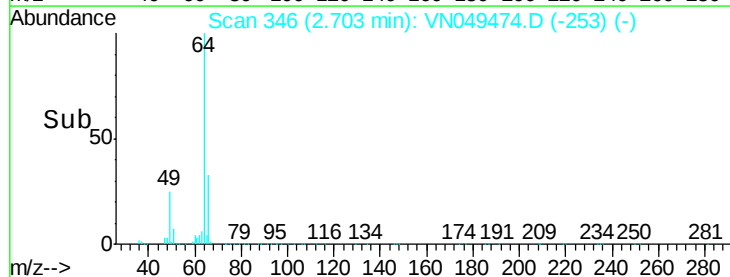
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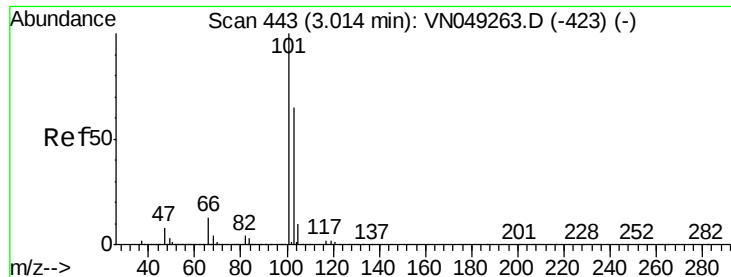
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50000

0

Time-->





#7

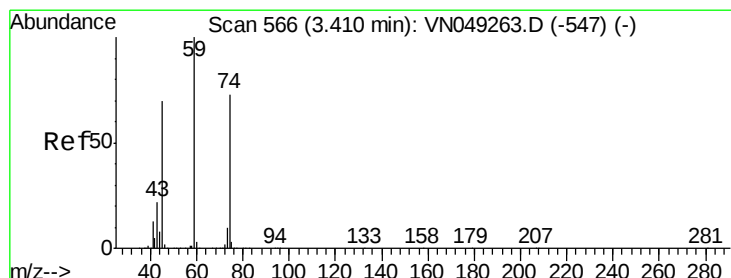
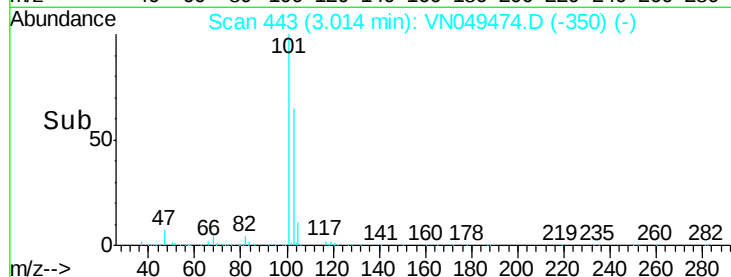
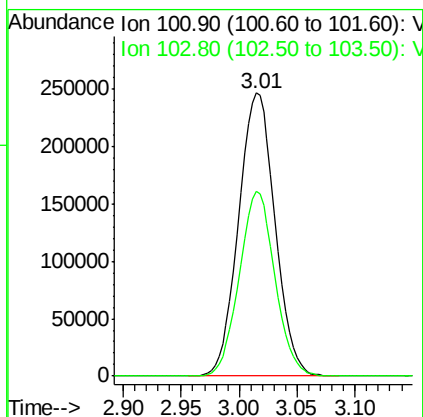
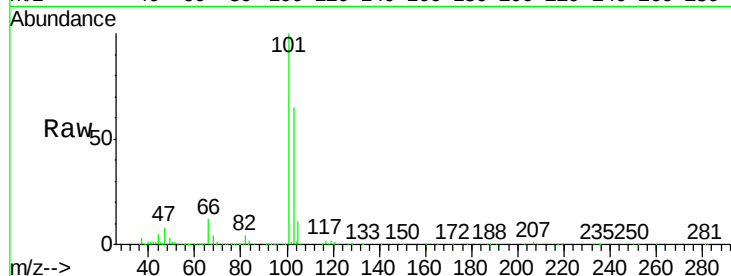
Trichlorofluoromethane
 Concen: 19.55 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.7	77.5

Manual Integrations
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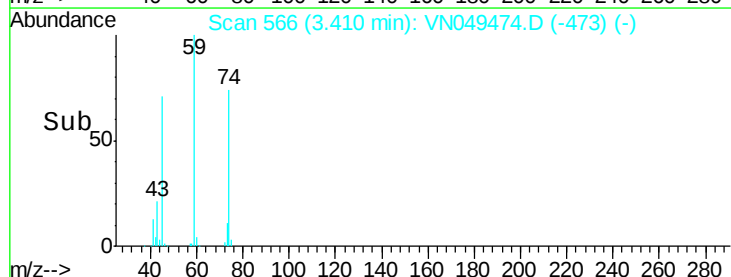
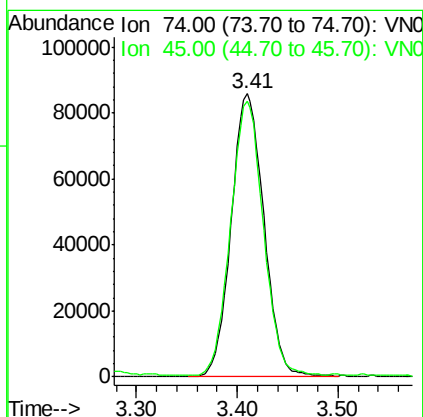
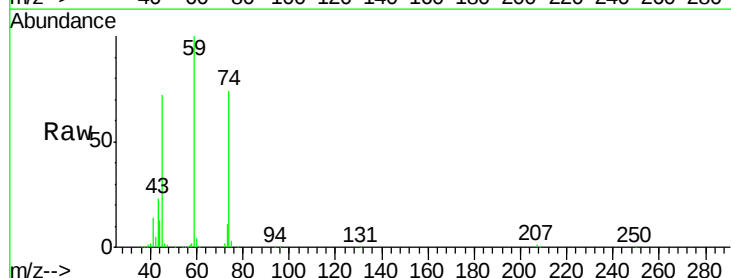
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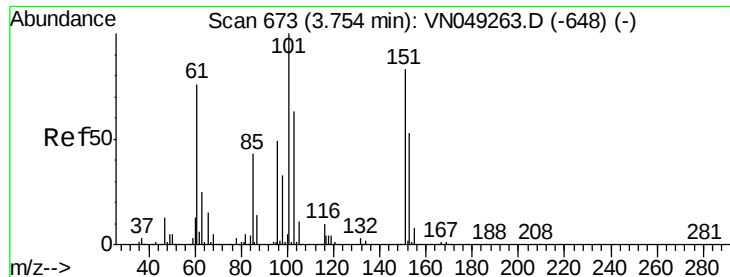


#8

Diethyl Ether
 Concen: 20.09 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.78 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

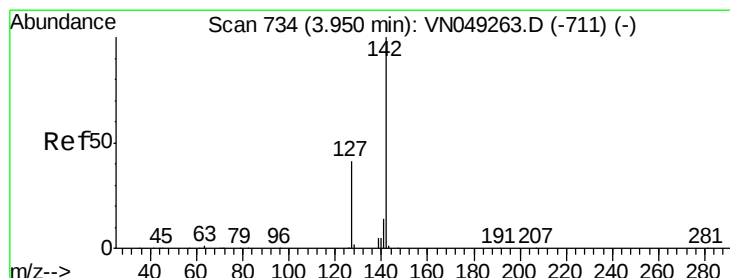
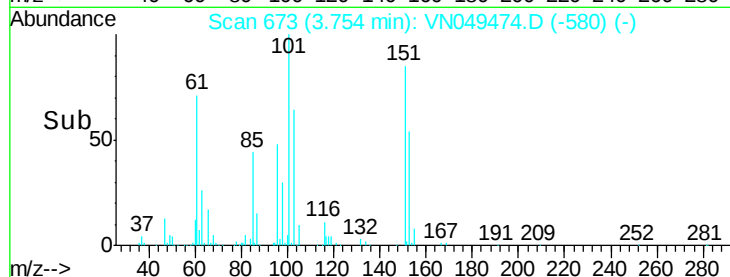
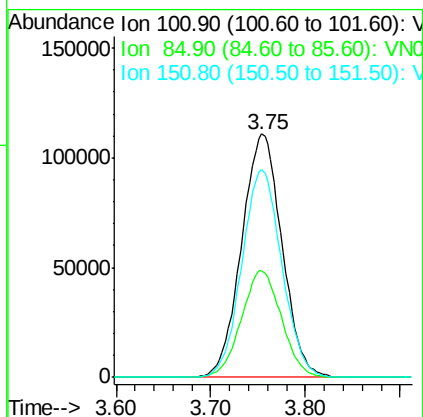
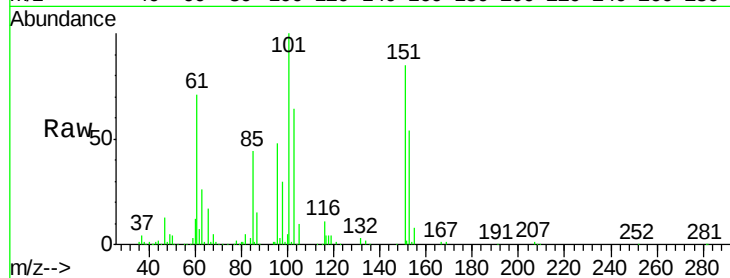
ClientSampled :

VN0621MBS01

Tot Ion:	101	Resp:	328766
Ion Ratio	Lower	Upper	
101	100		
85	43.5	37.6	56.4
151	84.3	61.1	91.7

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#10

Methyl Iodide

Concen: 20.14 ug/l

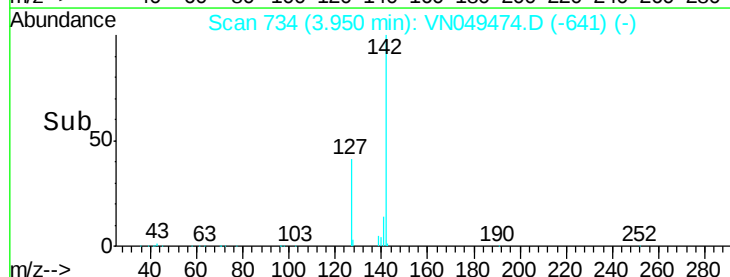
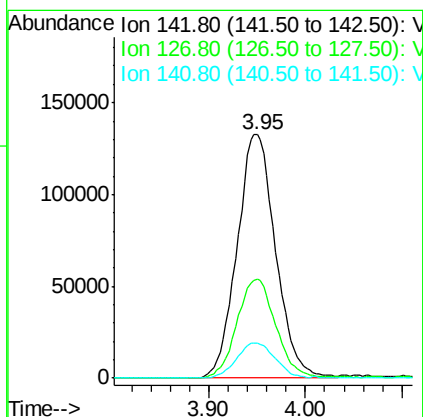
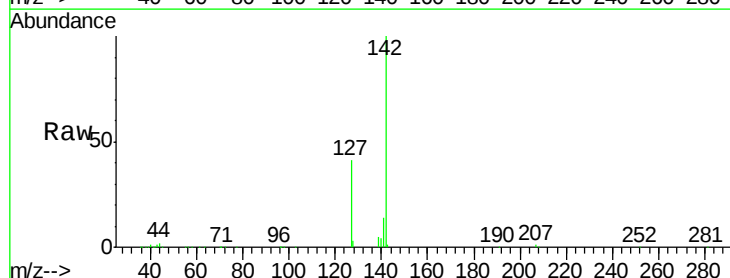
RT: 3.95 min Scan# 734

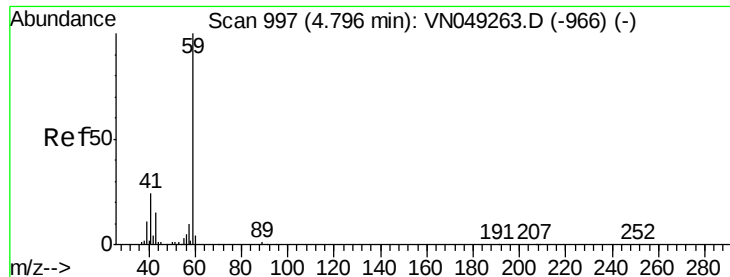
Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Tgt Ion:	142	Resp:	366981
Ion Ratio	Lower	Upper	
142	100		
127	41.0	38.2	57.4
141	14.4	11.9	17.9





#11

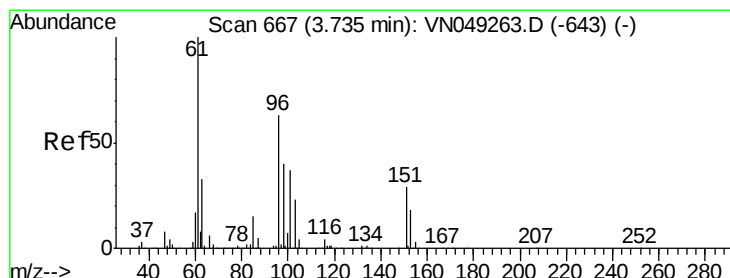
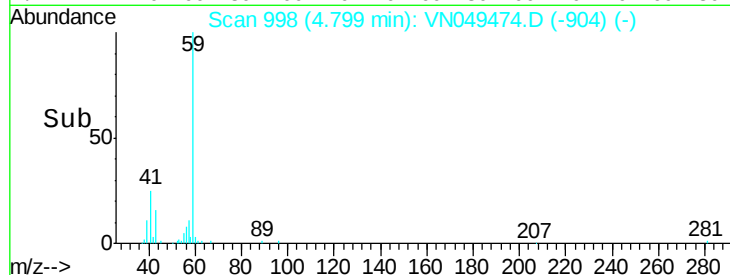
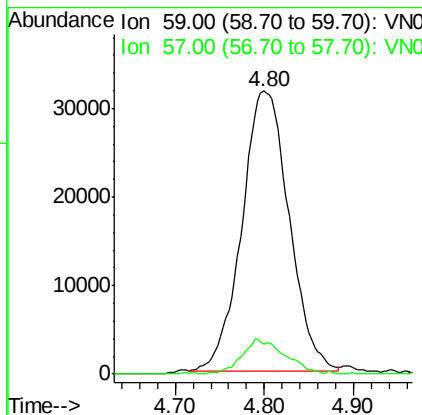
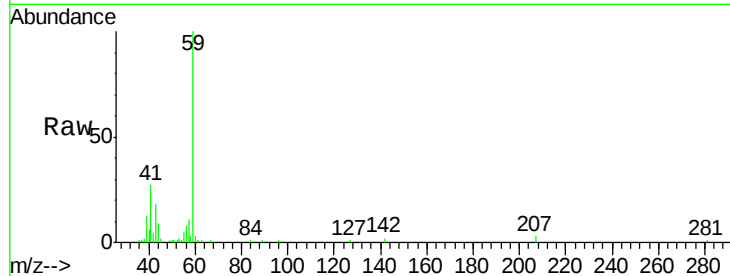
Tert butyl alcohol
Concen: 106.32 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	11.5	9.0	13.6

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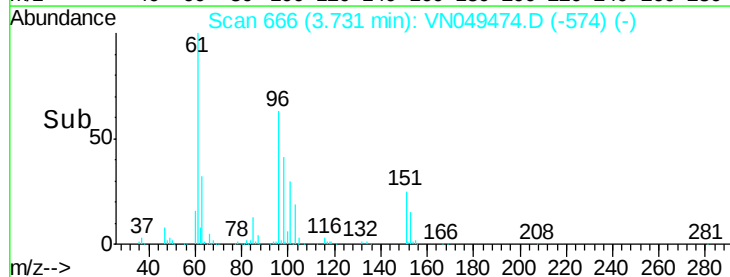
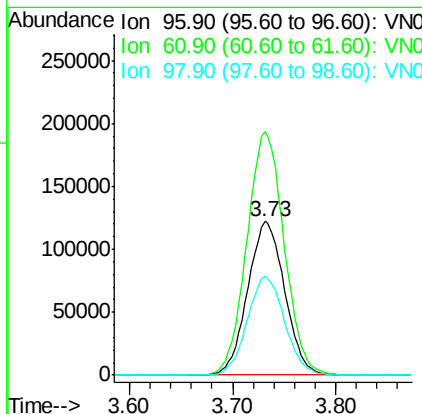
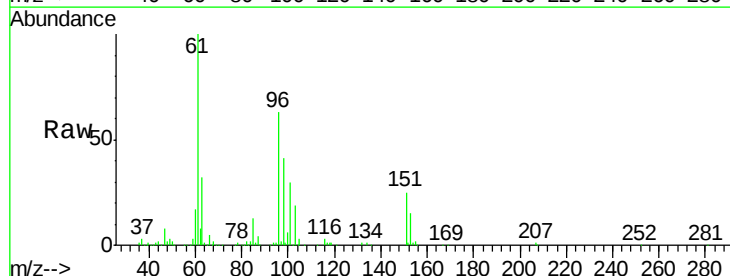
apatel
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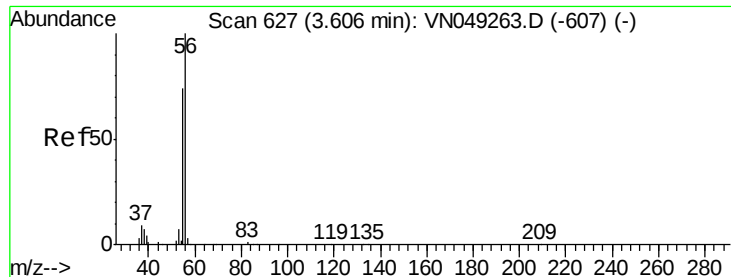


#12

1,1-Dichloroethene
Concen: 18.84 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	158.8	141.0	211.4
98	98	64.6	50.4	75.6





#13

Acrolein

Concen: 104.80 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

Tot Ion: 56 Resp: 119847

Ion Ratio Lower Upper

56 100

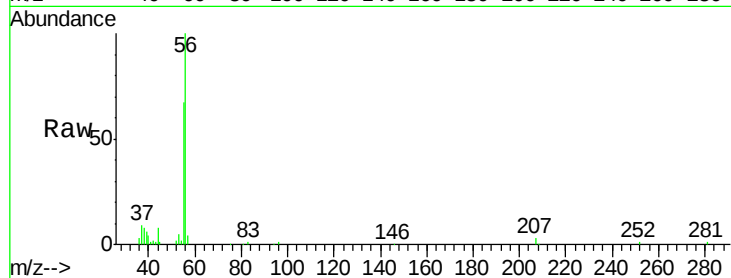
55 69.7 57.1 85.7

Manual Integrations

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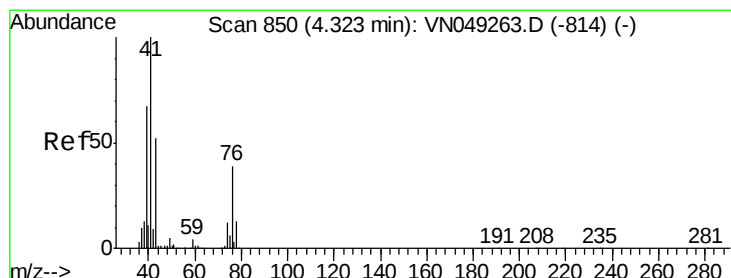
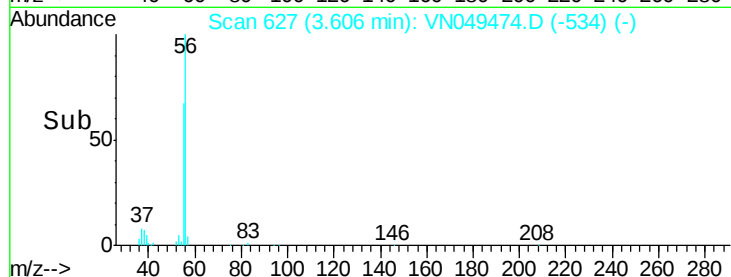
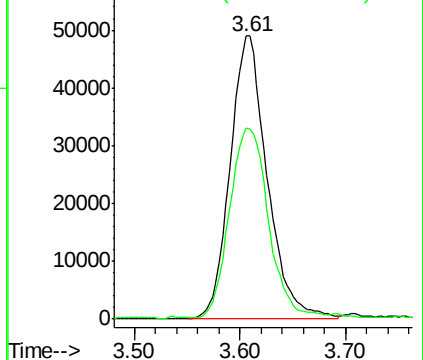
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.48 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

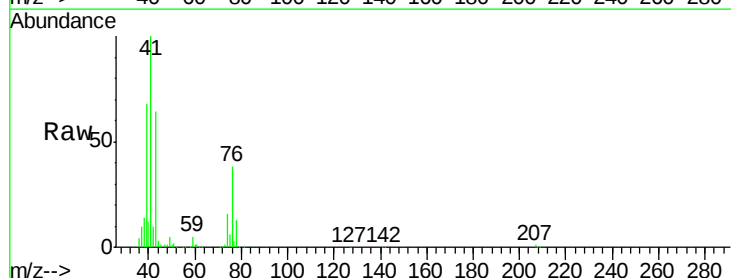
Tgt Ion: 41 Resp: 494047

Ion Ratio Lower Upper

41 100

39 64.9 62.5 93.7

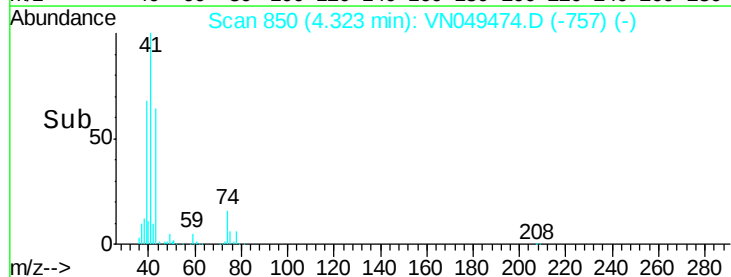
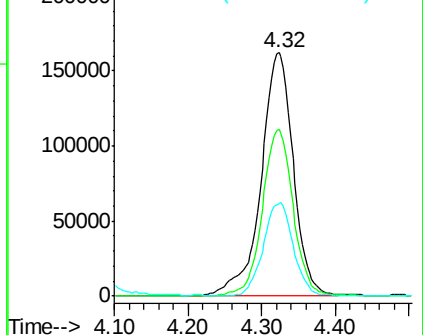
76 35.0 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





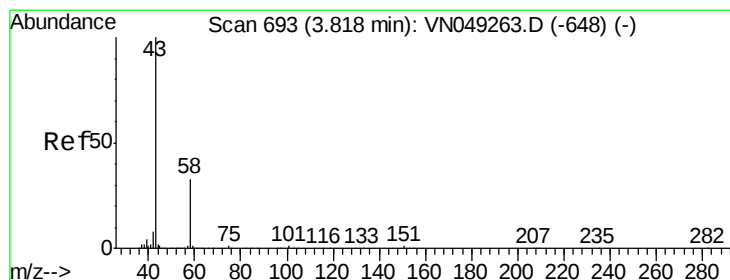
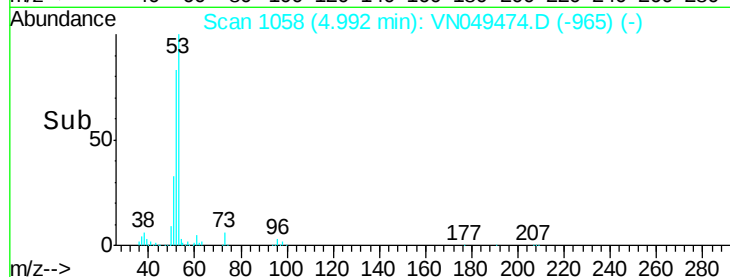
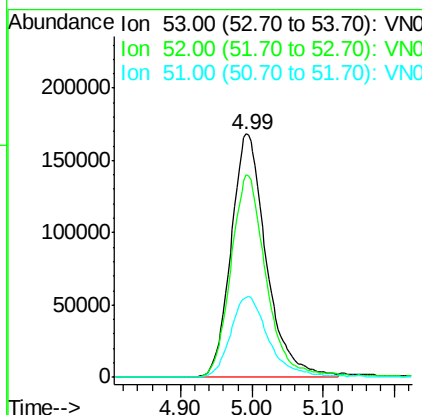
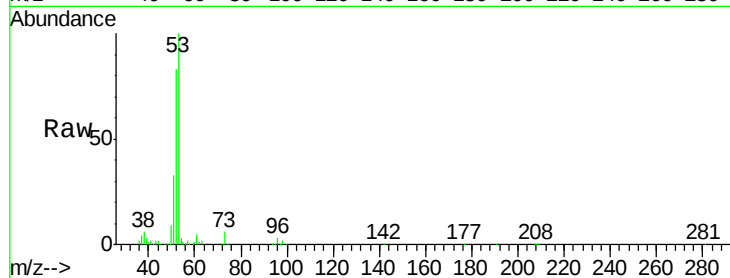
#15
 Acrylonitrile
 Concen: 106.27 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion	Ion	Ratio	Lower	Upper
53	53	100		
52	52	82.1	66.6	100.0
51	51	35.7	29.8	44.8

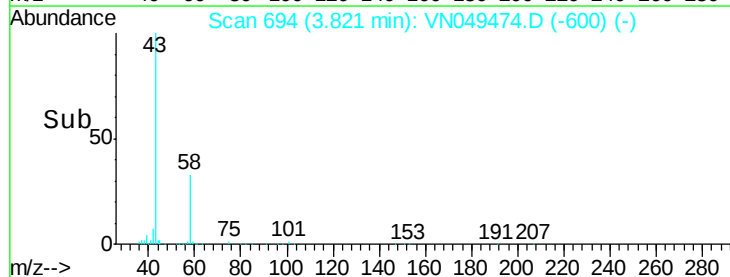
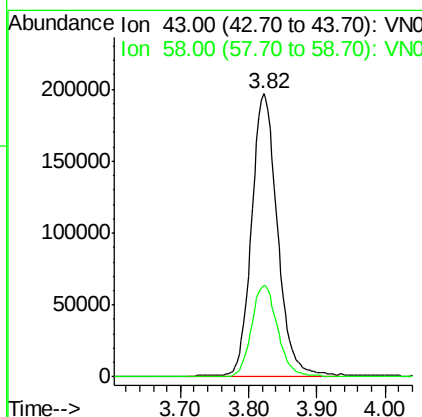
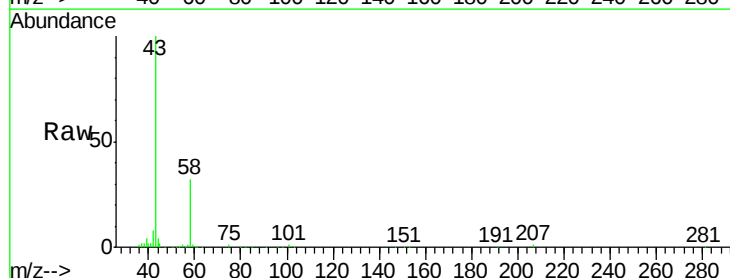
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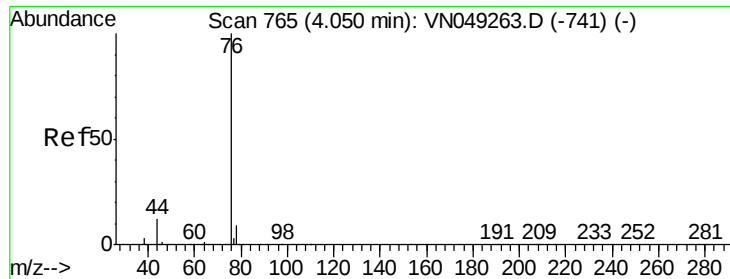
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#16
 Acetone
 Concen: 115.03 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Tgt Ion	Ion	Ratio	Lower	Upper
43	43	100		
58	58	32.4	22.4	33.6





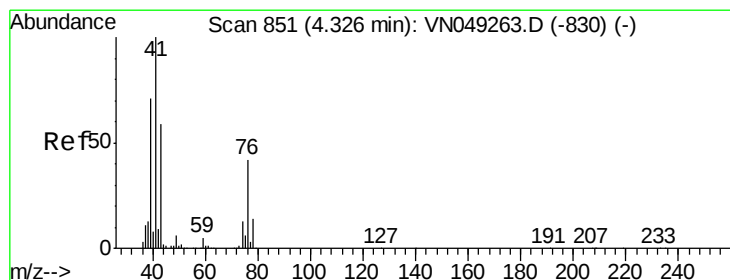
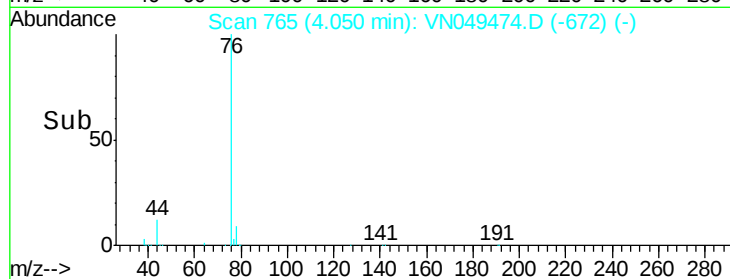
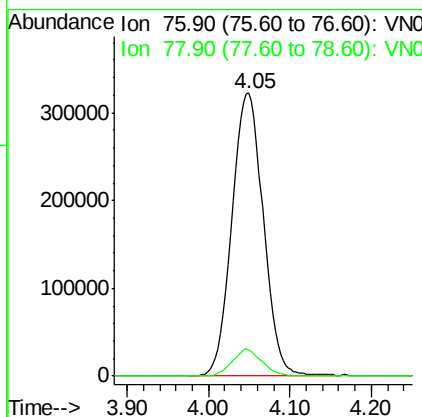
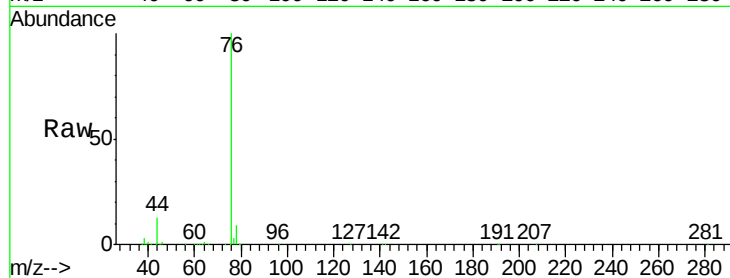
#17
Carbon Disulfide
Concen: 17.22 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.0

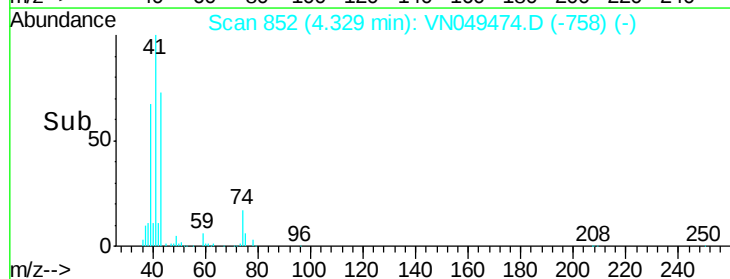
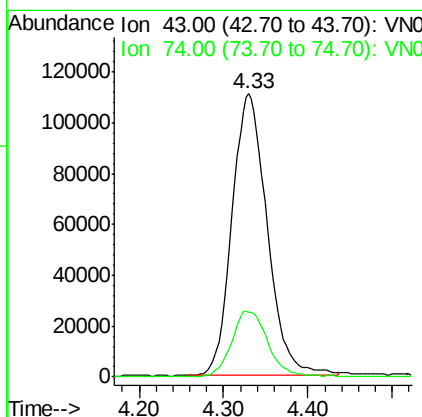
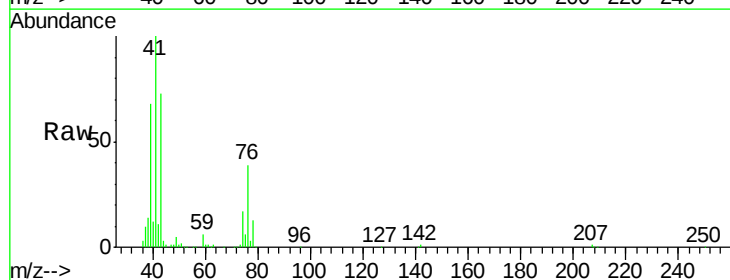
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#18
Methyl Acetate
Concen: 23.44 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.0	17.4	26.0





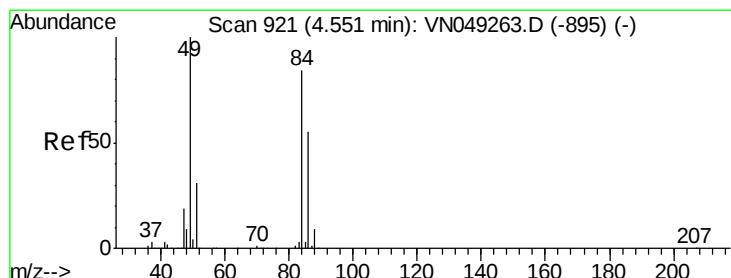
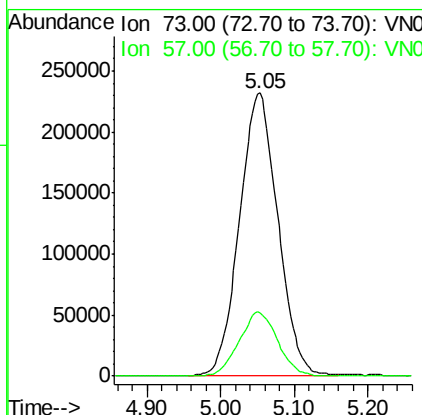
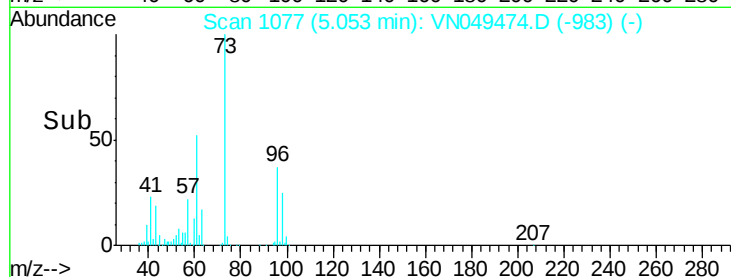
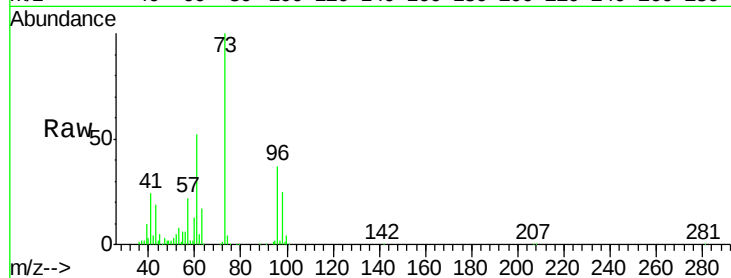
#19
Methvl tert-butvl Ether
Concen: 20.54 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampled :
VN0621MBS01

Tot Ion: 73 Resp: 841269
Ion Ratio Lower Upper
73 100
57 22.4 18.2 27.4

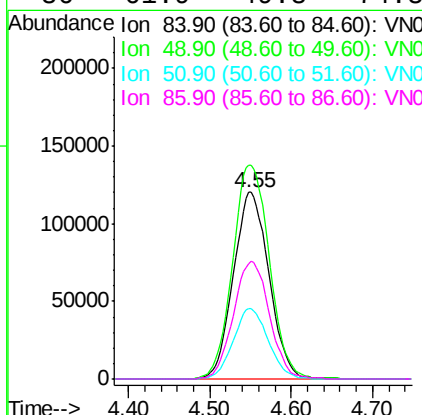
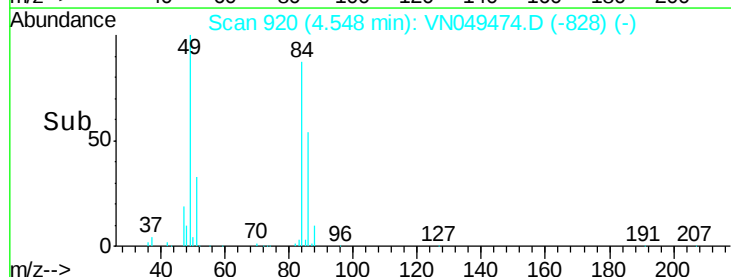
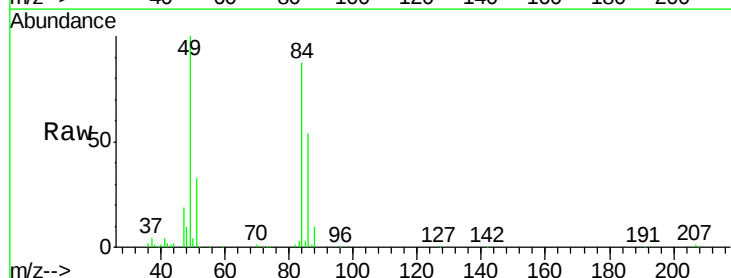
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#20
Methylene Chloride
Concen: 19.36 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion: 84 Resp: 364722
Ion Ratio Lower Upper
84 100
49 114.3 106.9 160.3
51 37.6 32.7 49.1
86 61.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.84 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

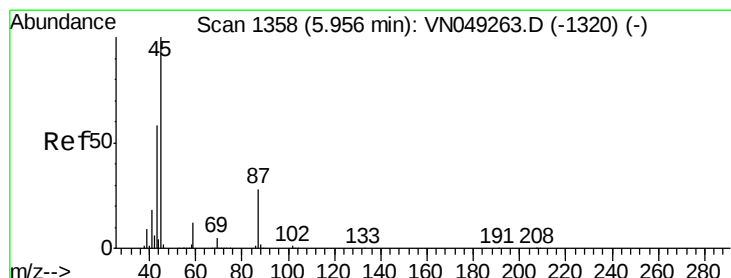
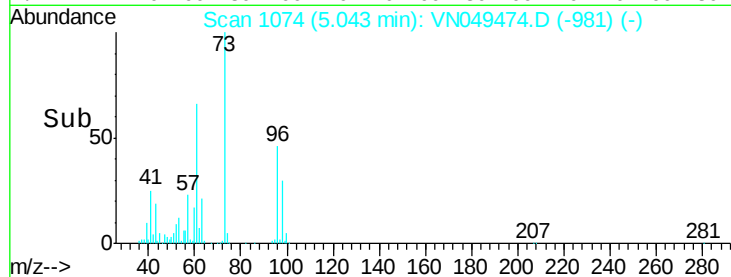
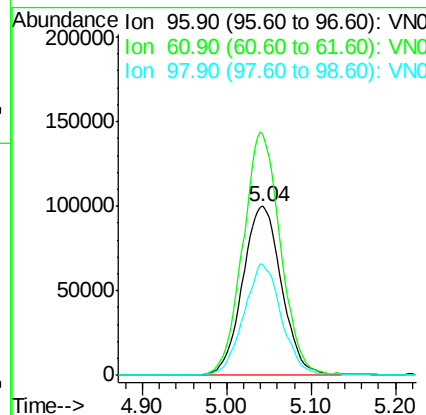
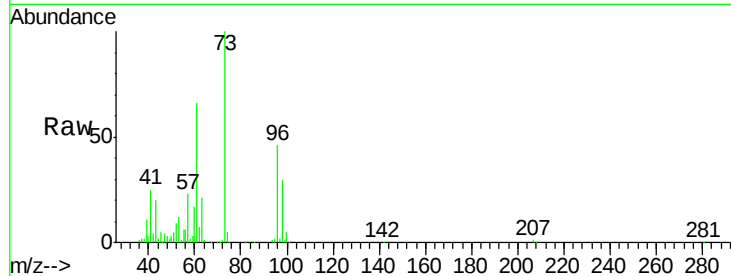
ClientSampleId :

VN0621MBS01

Tot Ion:	96	Resp:	320341
Ion	Ratio	Lower	Upper
96	100		
61	142.6	121.3	181.9
98	65.4	52.0	78.0

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#22

Diisopropyl ether

Concen: 20.41 ug/l

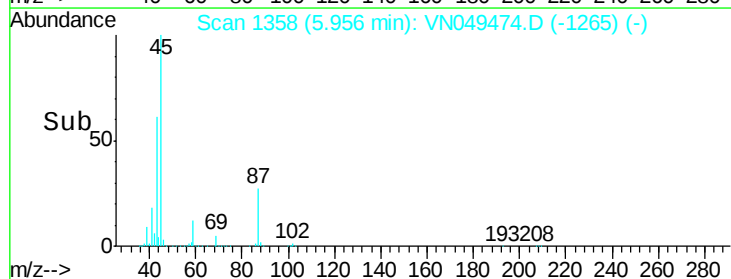
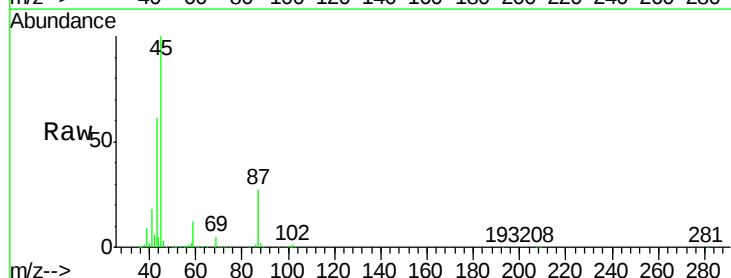
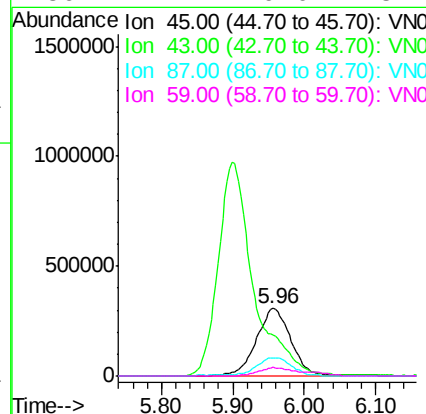
RT: 5.96 min Scan# 1358

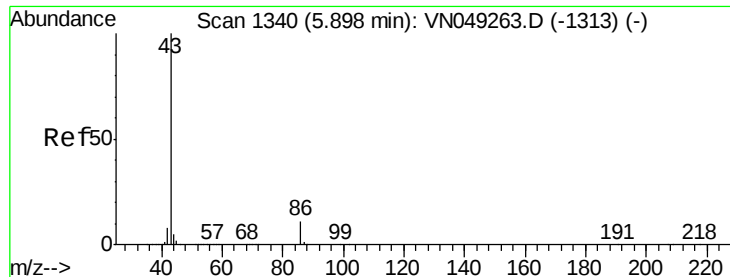
Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Tgt Ion:	45	Resp:	1033610
Ion	Ratio	Lower	Upper
45	100		
43	58.8	48.6	72.8
87	27.0	20.2	30.2
59	12.2	9.0	13.4





#23

Vinyl Acetate

Concen: 101.21 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

VN0621MBS01

Tot Ion: 43 Resp: 3341368

Ion Ratio Lower Upper

43 100

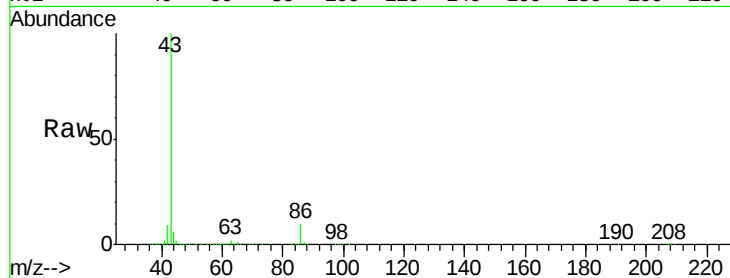
86 10.4 7.2 10.8

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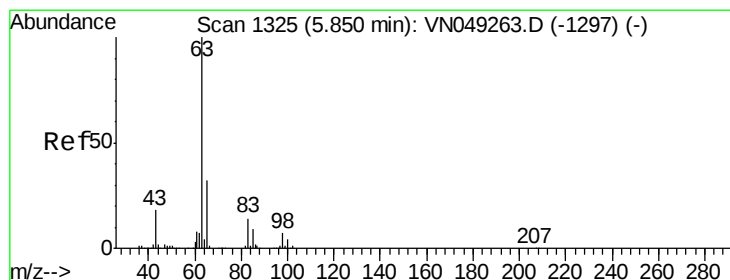
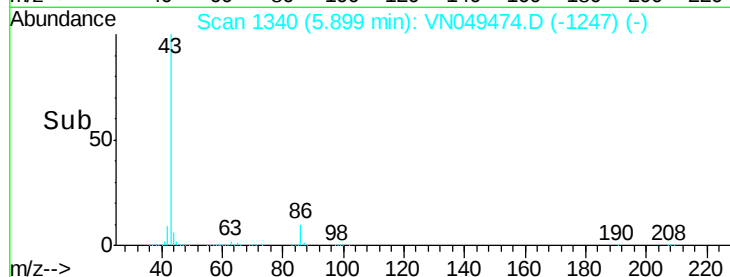
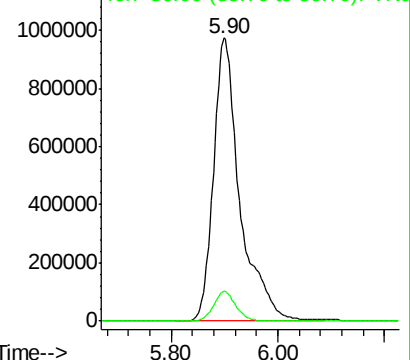
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.26 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

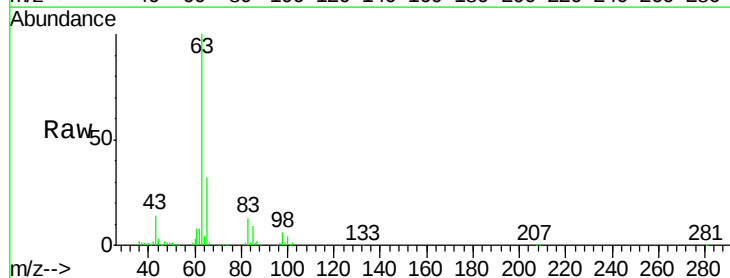
Tgt Ion: 63 Resp: 624393

Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.8

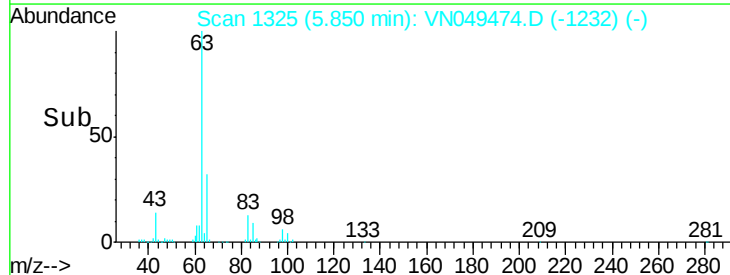
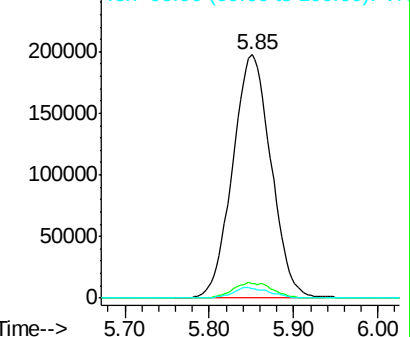
100 4.1 2.1 6.3



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: 111.56 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

VN0621MBS01

Tot Ion: 43 Resp: 675788

Ion Ratio Lower Upper

43 100

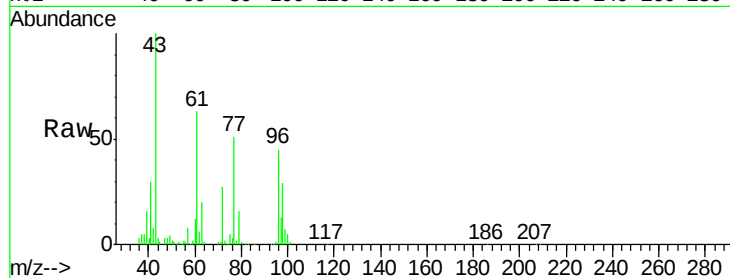
72 27.5 20.2 30.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

250000

200000

150000

100000

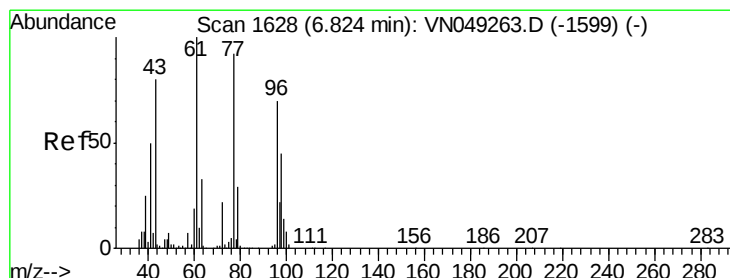
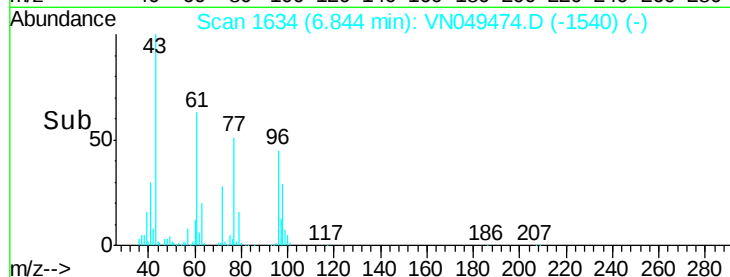
50000

0

6.75 6.80 6.85 6.90

6.84

Time-->



#26

2,2-Dichloropropane

Concen: 19.75 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049474.D

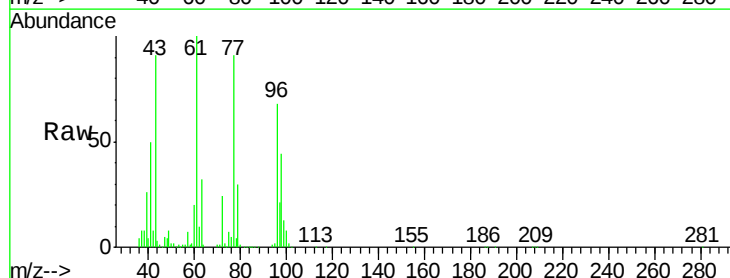
Acq: 21 Jun 2018 17:53

Tgt Ion: 77 Resp: 516932

Ion Ratio Lower Upper

77 100

97 23.4 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

150000

100000

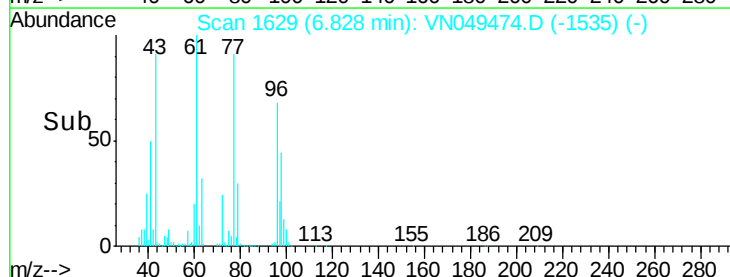
50000

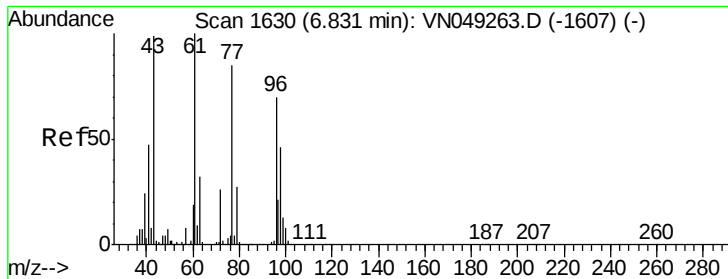
0

6.70 6.80 6.90 7.00

6.83

Time-->





#27

cis-1,2-Dichloroethene

Concen: 19.32 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

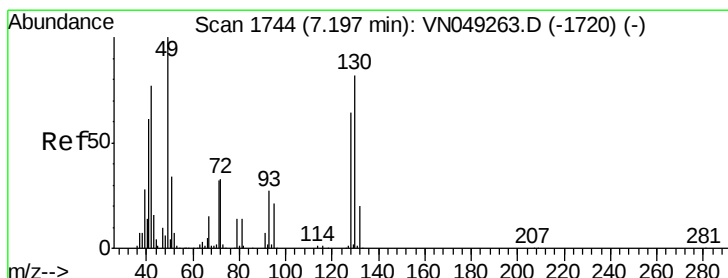
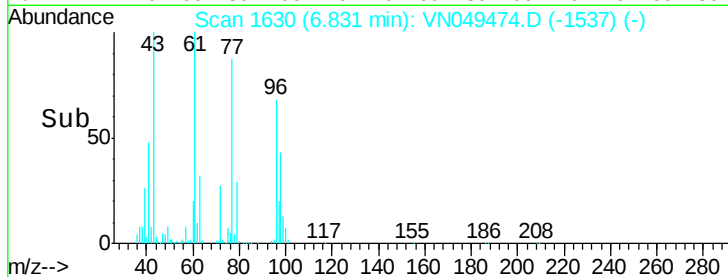
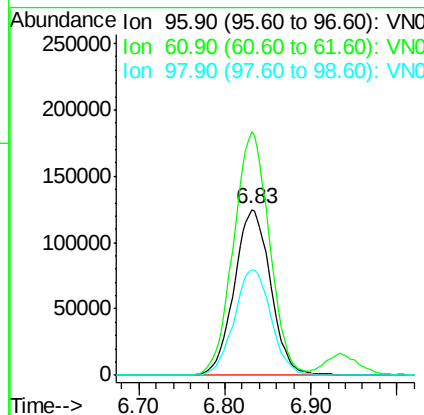
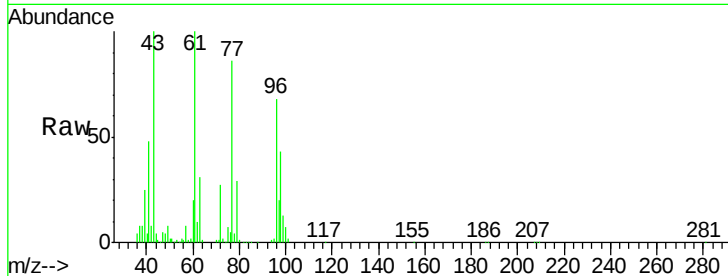
ClientSampleId :

VN0621MBS01

Tot Ion:	96	Resp:	365268
Ion	Ratio	Lower	Upper
96	100		
61	145.7	0.0	316.4
98	65.0	0.0	128.4

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#28

Bromochloromethane

Concen: 17.75 ug/l

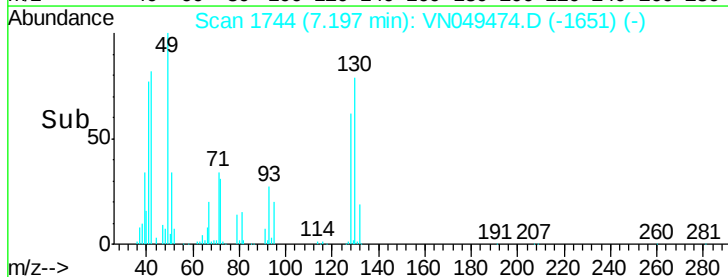
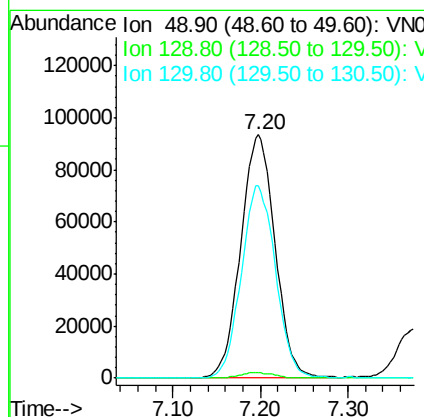
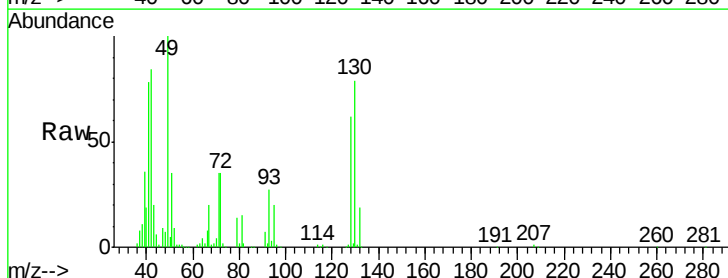
RT: 7.20 min Scan# 1744

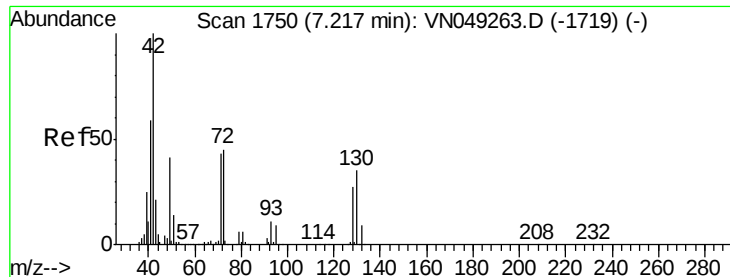
Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Tgt Ion:	49	Resp:	255043
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	78.9	54.9	82.3





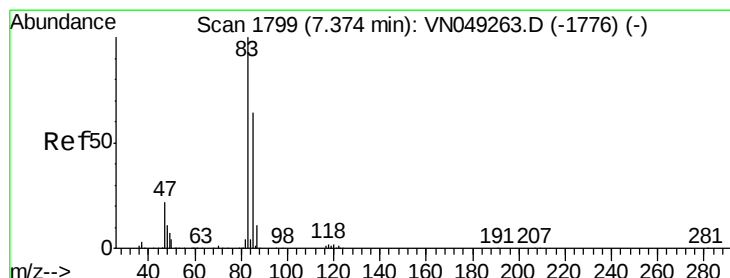
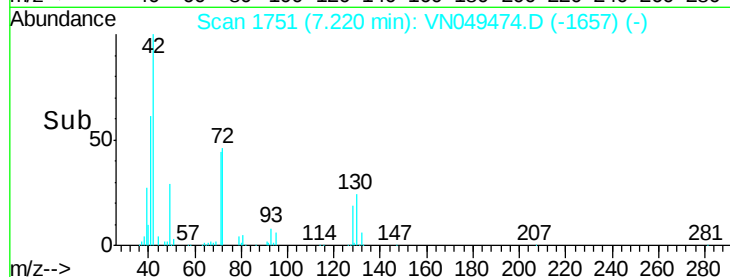
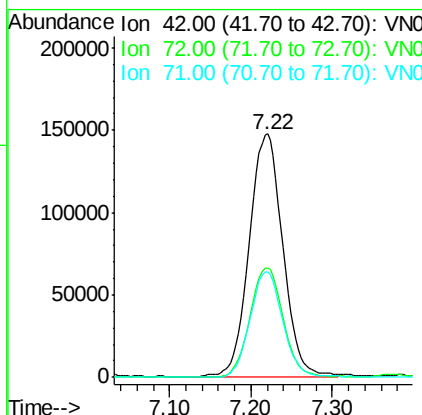
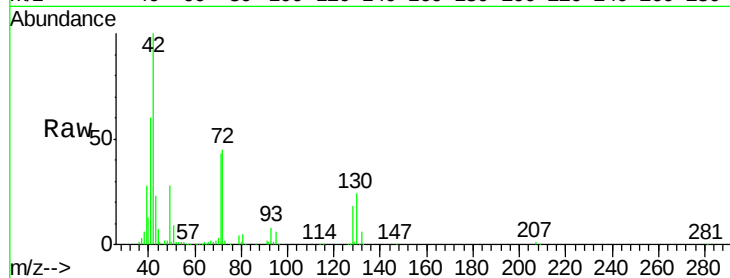
#29
Tetrahydrofuran
Concen: 107.42 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.2	32.2	48.4
71	42.3	30.5	45.7

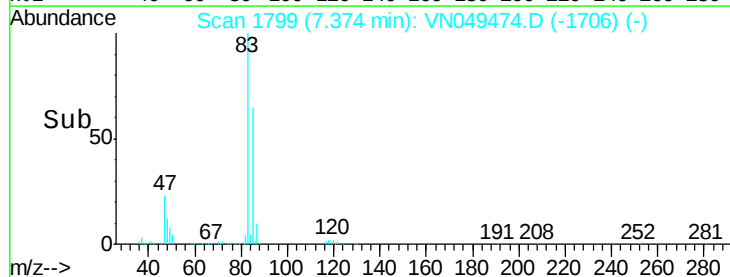
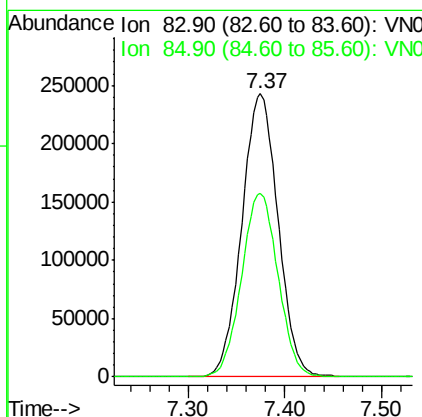
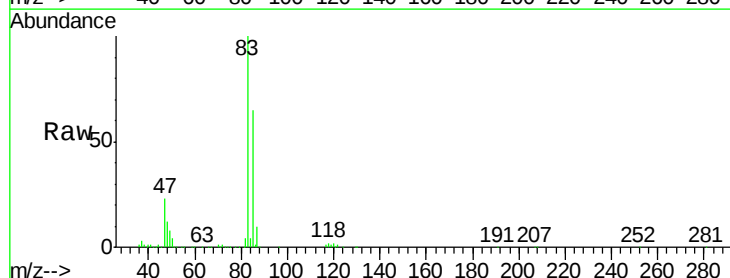
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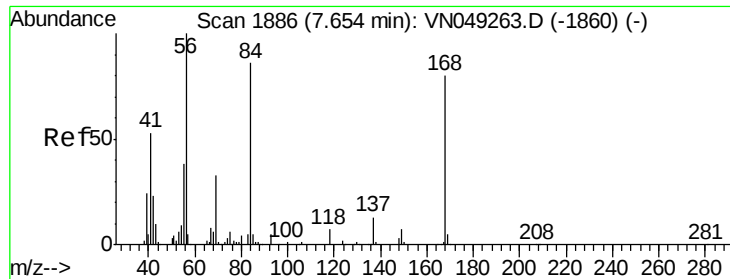
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#30
Chloroform
Concen: 19.59 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.7	77.5





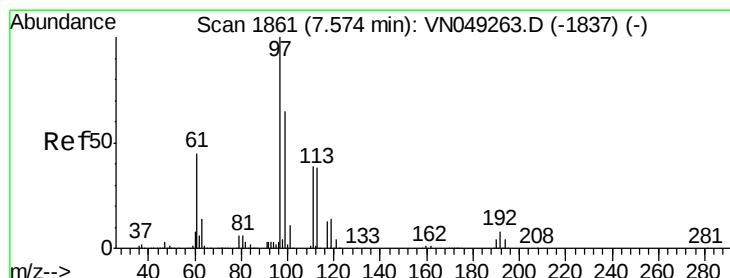
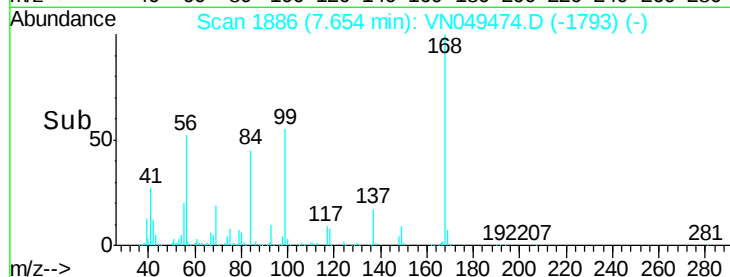
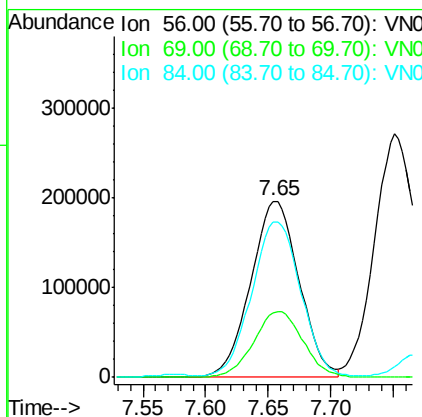
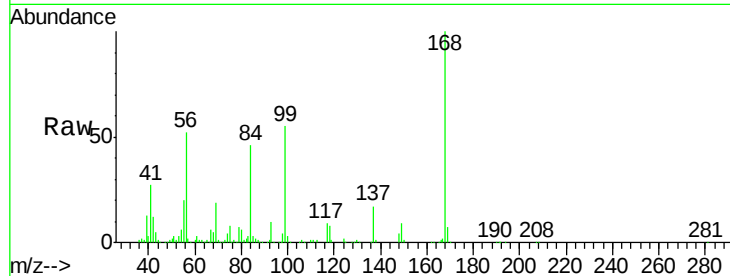
#31
Cyclohexane
Concen: 18.99 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.4	25.0	37.4
84	87.4	64.6	96.8

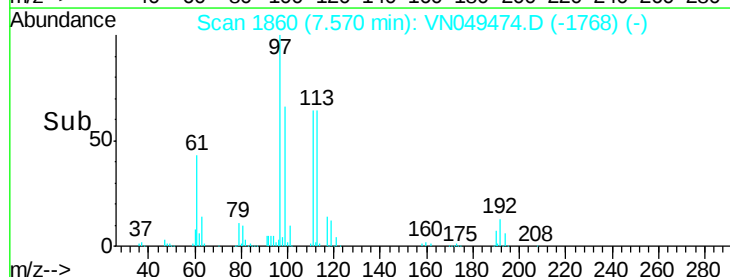
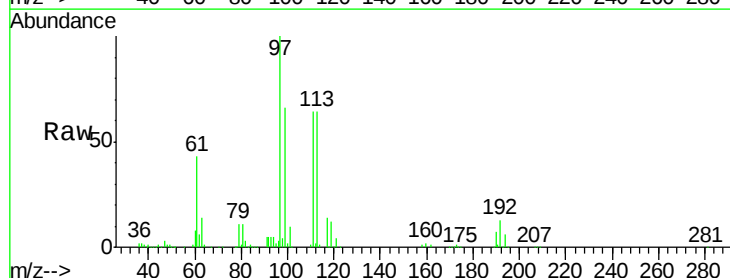
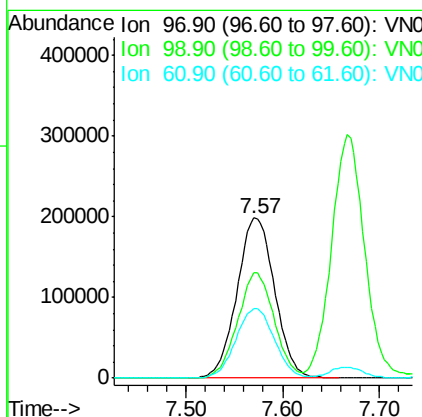
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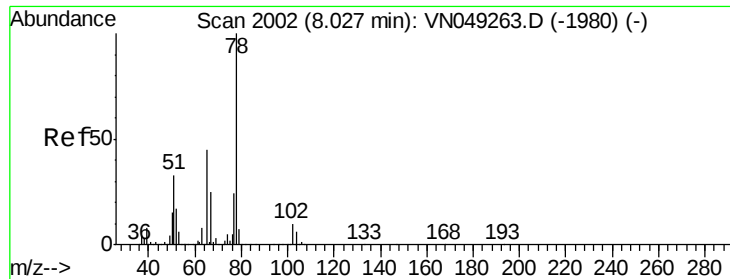
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#32
1,1,1-Trichloroethane
Concen: 19.55 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.5	75.7
61	44.1	37.9	56.9





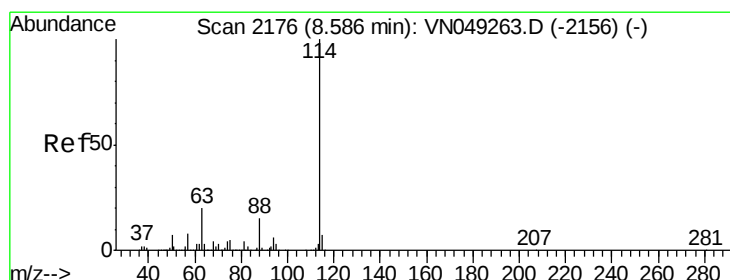
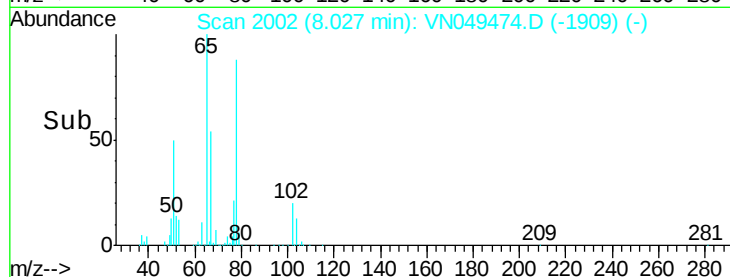
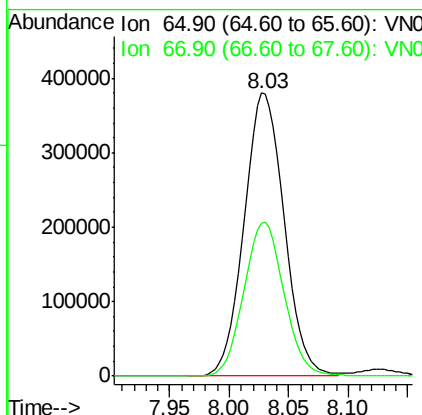
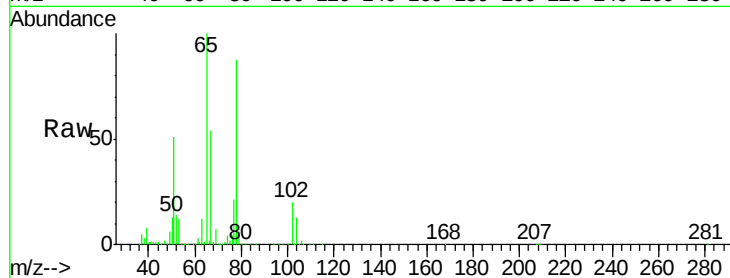
#33
 1,2-Dichloroethane-d4
 Concen: 47.65 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.7	0.0	103.8	

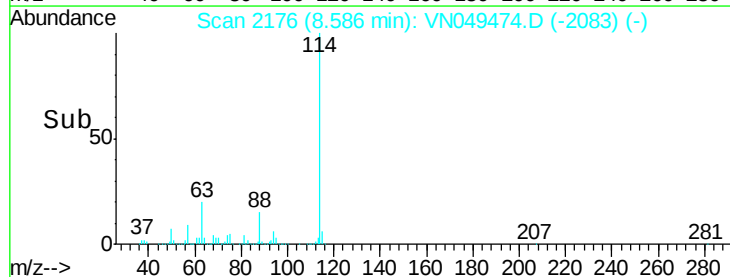
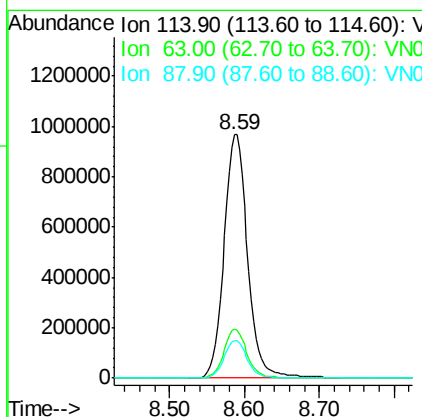
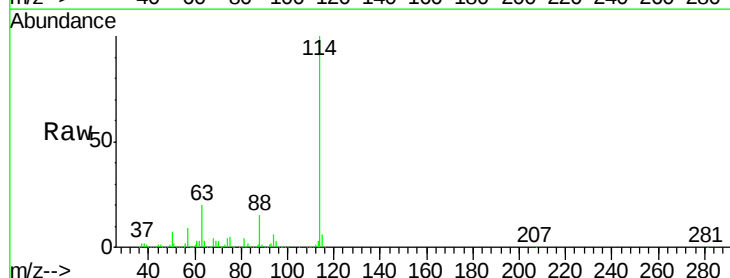
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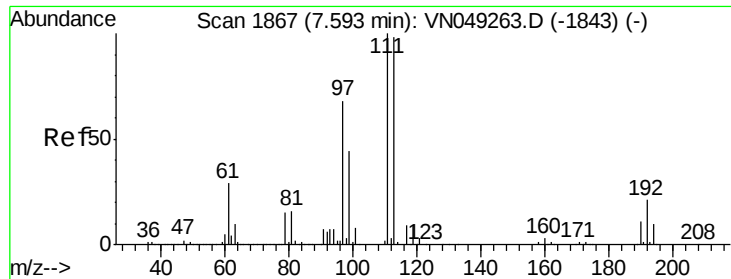
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	44.4	
88	15.4	0.0	31.4	





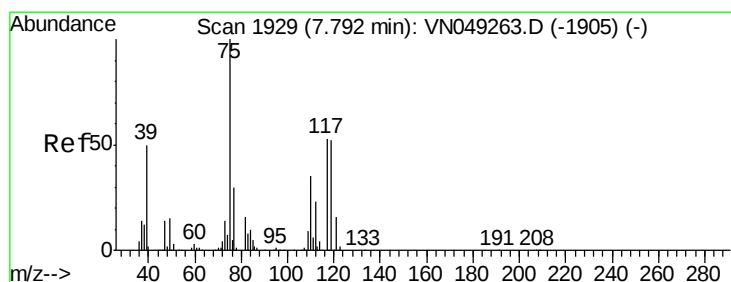
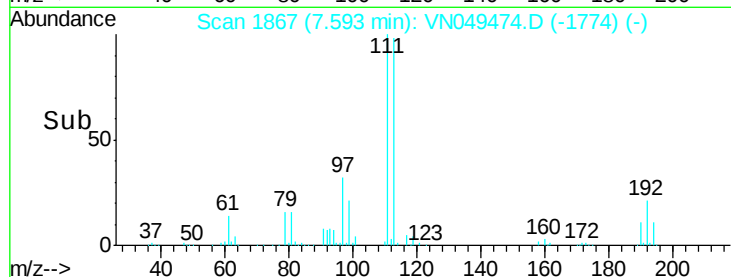
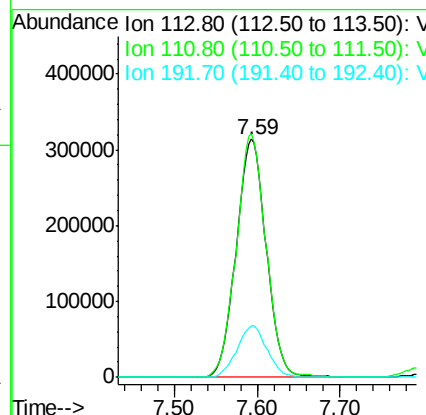
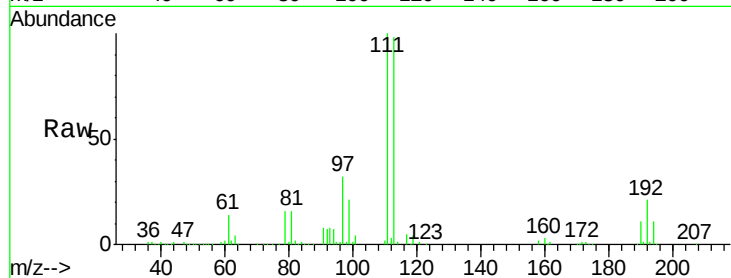
#35
 Dibromofluoromethane
 Concen: 46.48 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	791943		
111	101.4	82.4	123.6	
192	21.8	15.0	22.6	

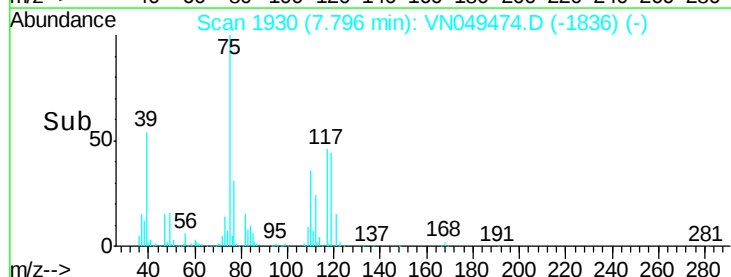
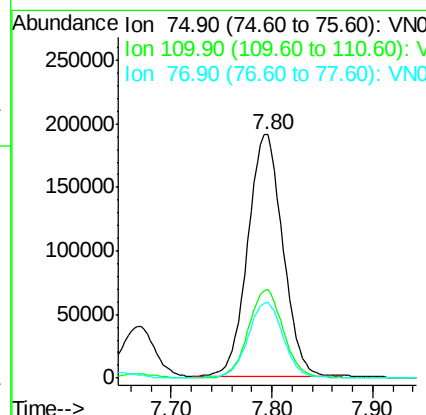
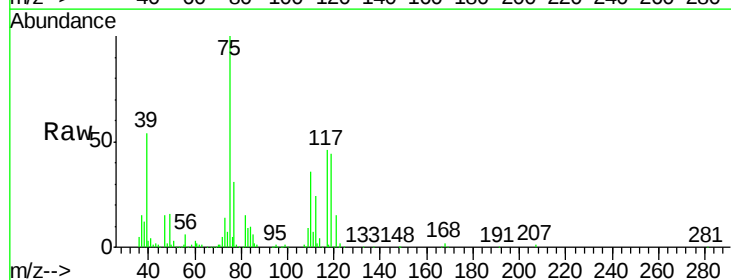
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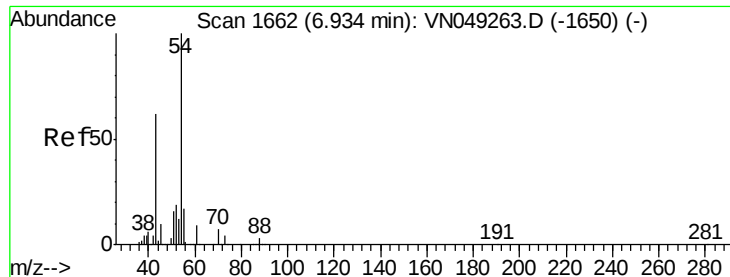
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#36
 1,1-Dichloropropene
 Concen: 19.05 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	459904		
110	36.4	17.0	50.9	
77	31.2	24.4	36.6	





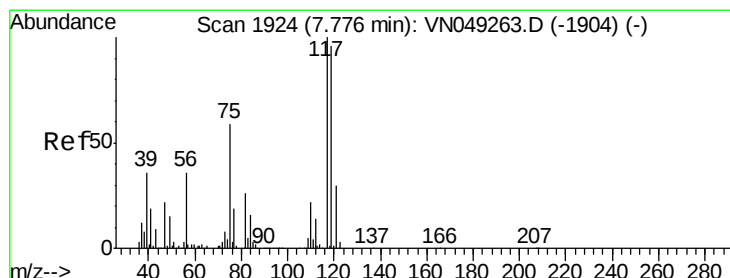
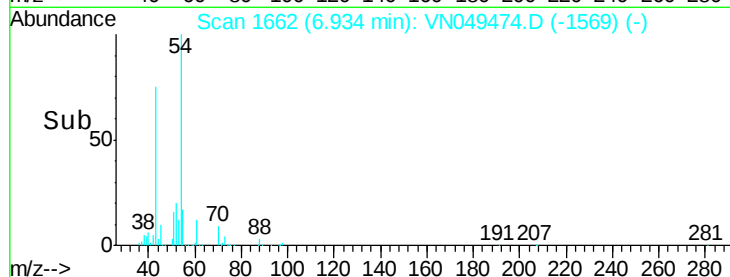
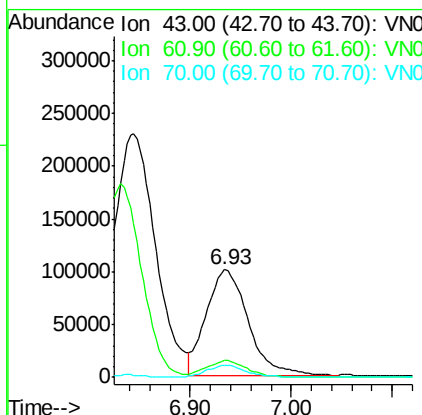
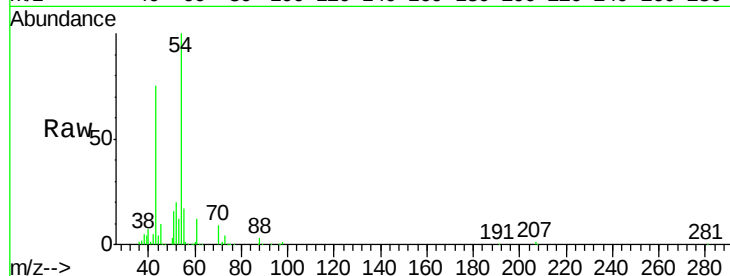
#37
Ethyl Acetate
Concen: 22.22 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampled :
VN0621MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.0	16.4
70	10.4	7.2	10.8

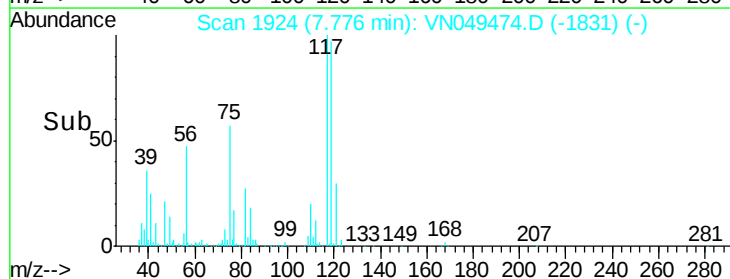
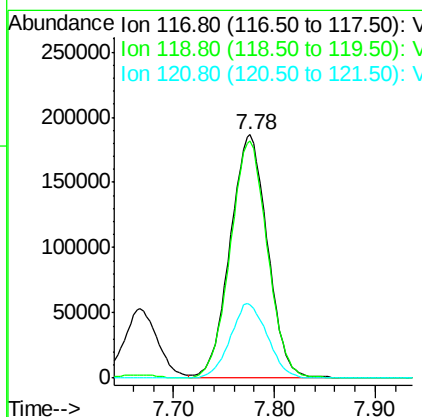
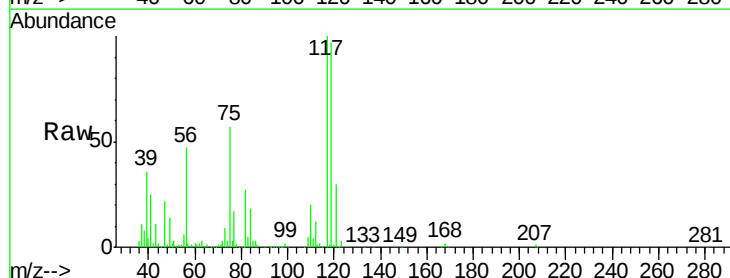
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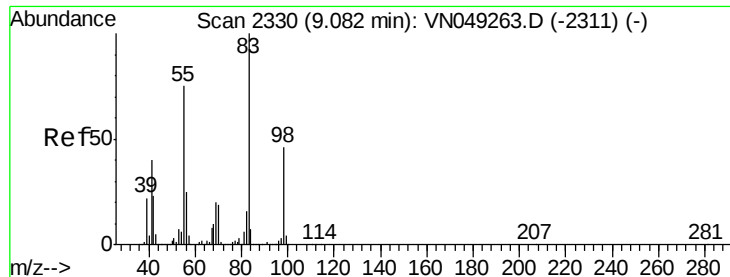
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#38
Carbon Tetrachloride
Concen: 19.08 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	75.6	113.4
121	30.2	24.7	37.1





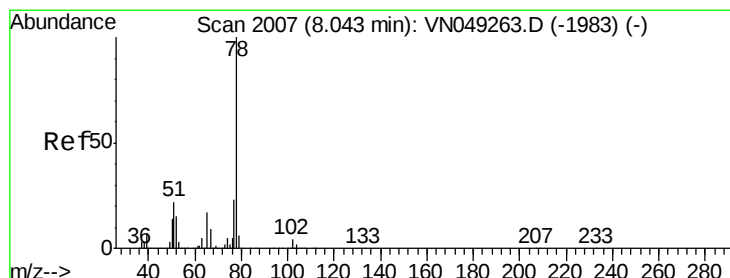
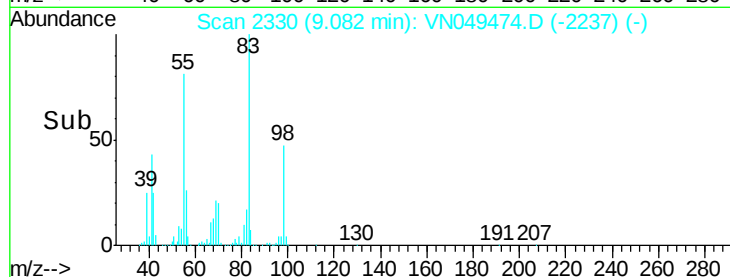
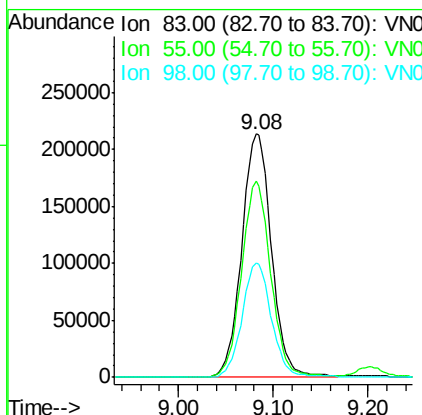
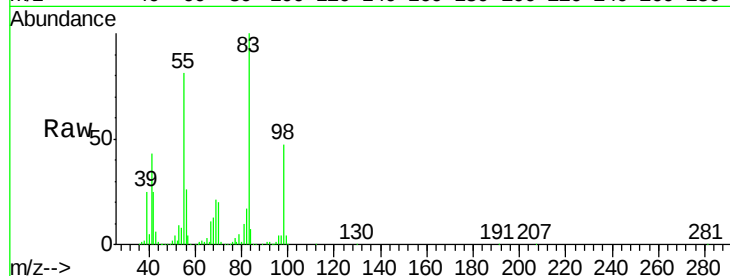
#39
Methvlcvclohexane
Concen: 18.02 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampled :
VN0621MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.6	65.1	97.7
98	46.8	36.5	54.7

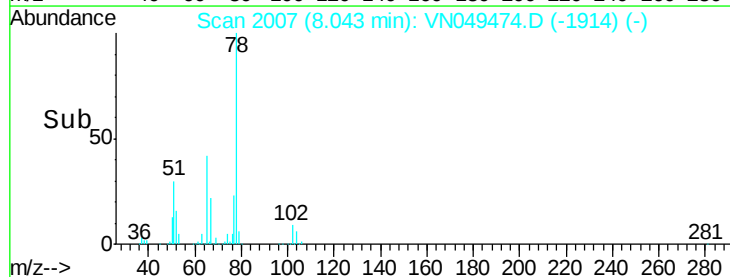
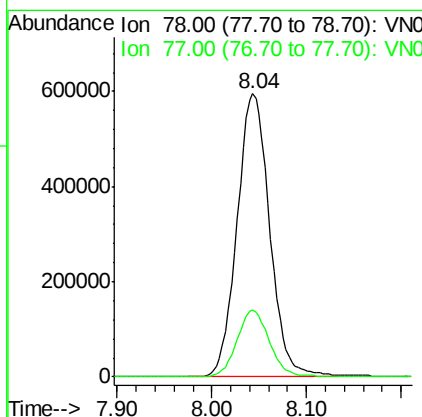
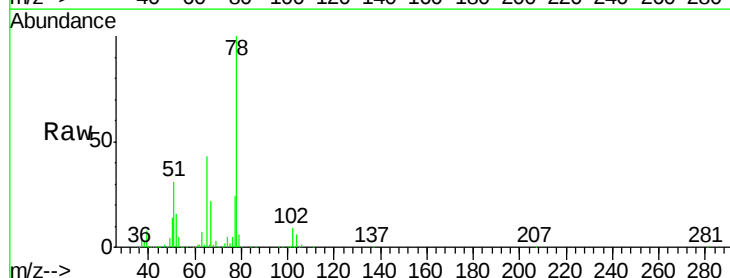
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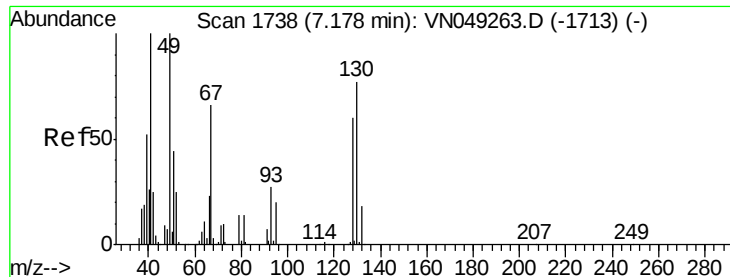
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#40
Benzene
Concen: 19.30 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





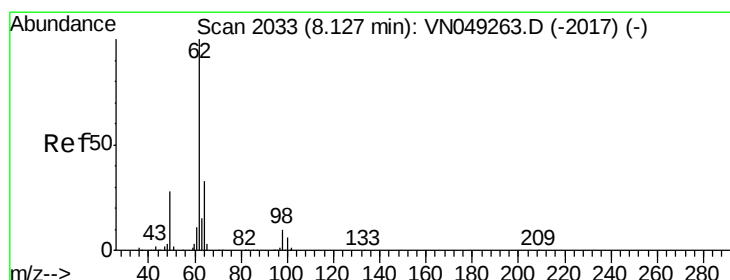
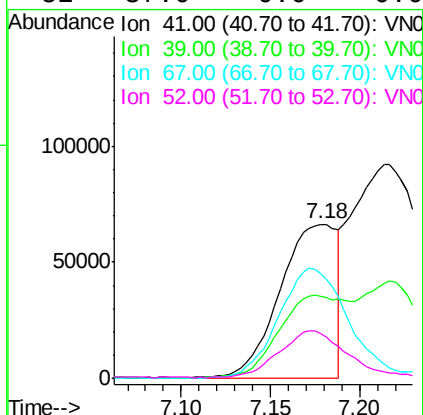
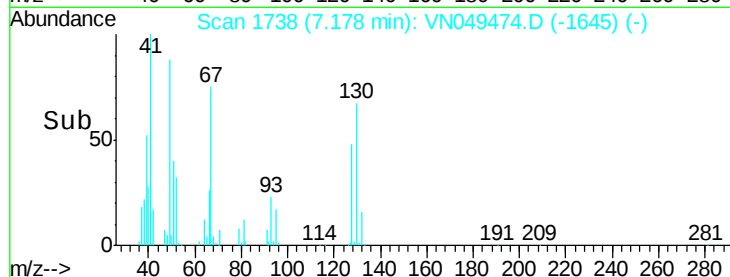
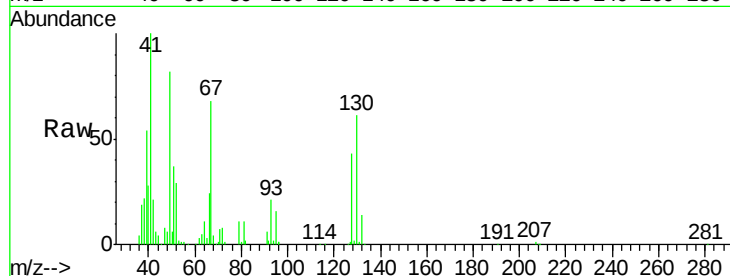
#41
Methacrylonitrile
Concen: 20.71 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion	41	Ratio	Lower	Upper
41	100			
39	62.4	0.0	0.0	0.0
67	89.1	0.0	0.0	0.0
52	37.0	0.0	0.0	0.0

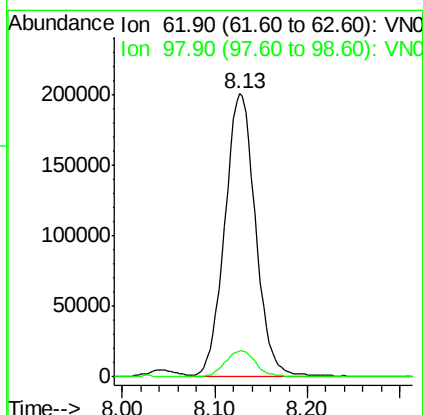
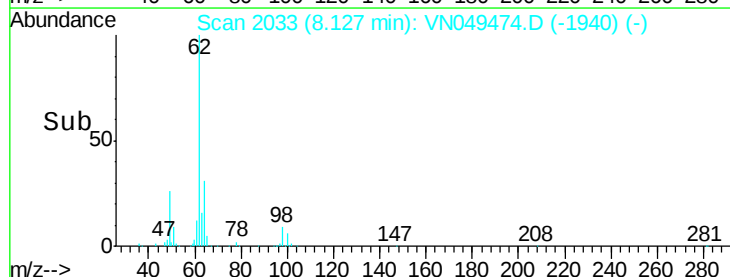
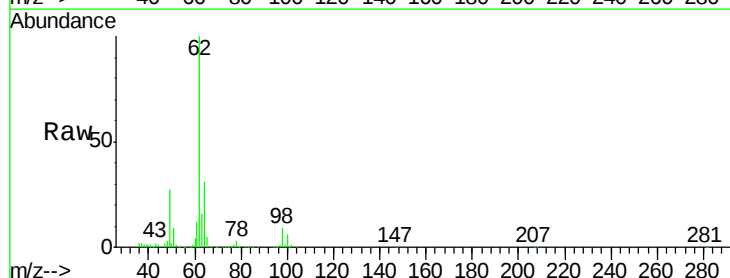
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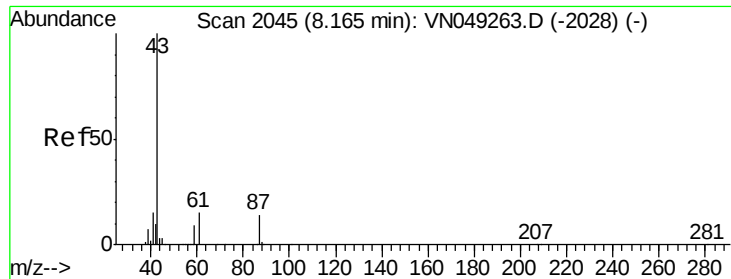
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#42
1,2-Dichloroethane
Concen: 20.04 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	62	Ratio	Lower	Upper
62	100			
98	9.3	0.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 22.14 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

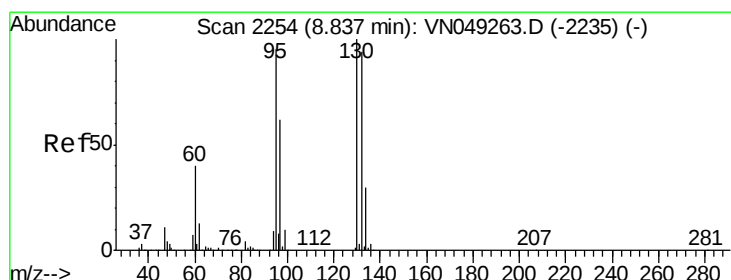
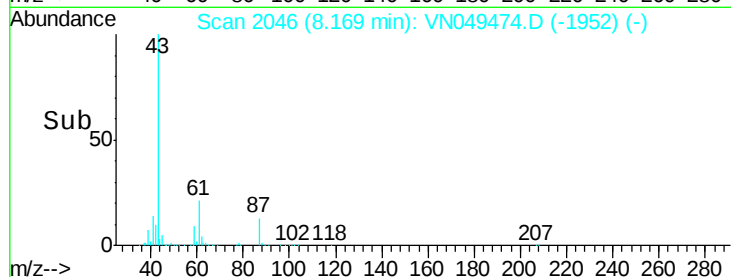
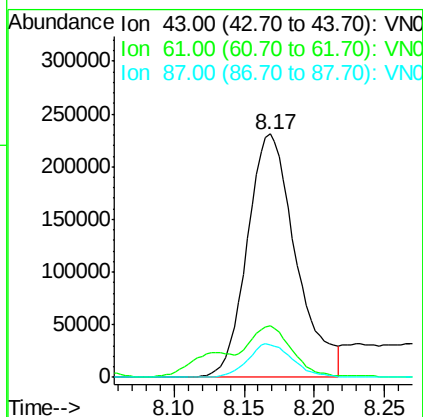
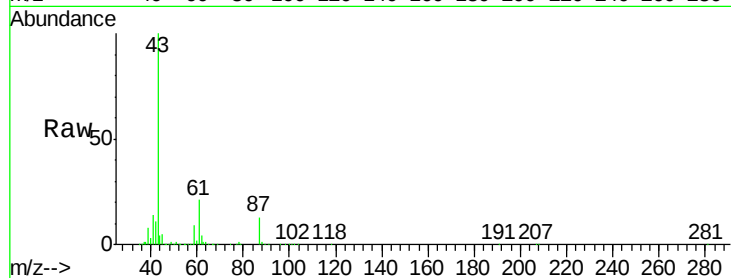
ClientSampleId :

VN0621MBS01

Tot Ion:	43	Resp:	555015
Ion	Ratio	Lower	Upper
43	100		
61	18.2	14.2	21.4
87	12.9	9.4	14.0

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#44

Trichloroethene

Concen: 19.87 ug/l

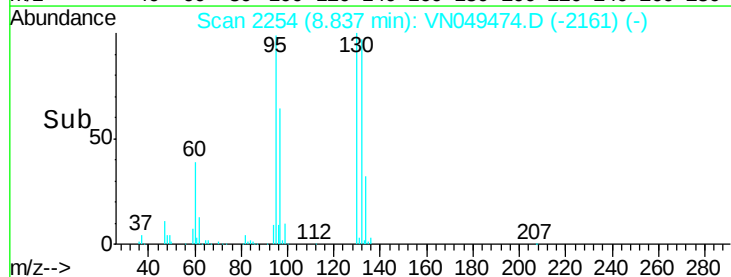
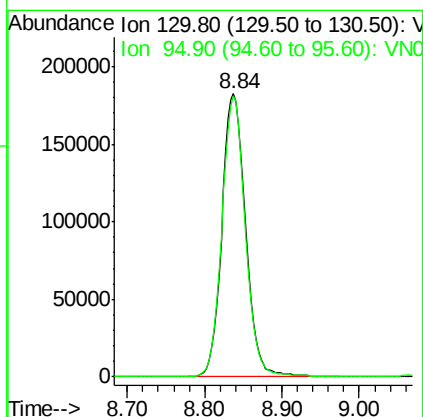
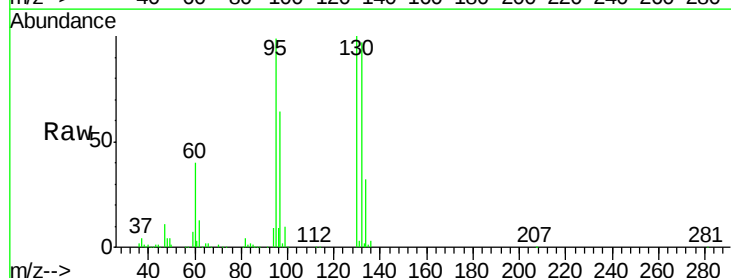
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Tgt Ion:	130	Resp:	388308
Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	208.6





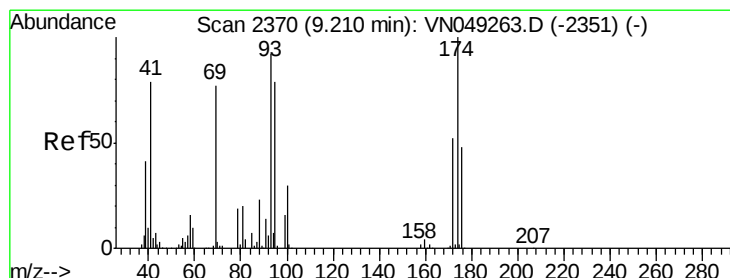
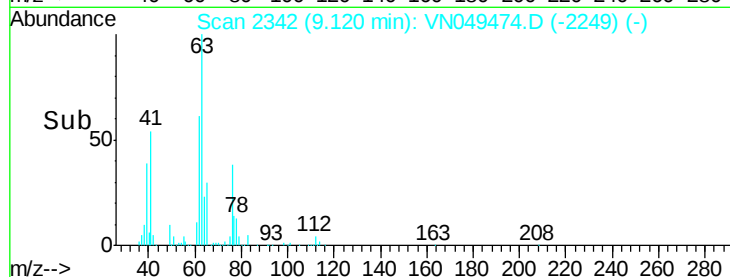
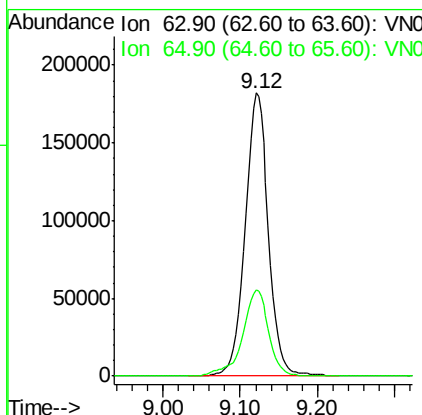
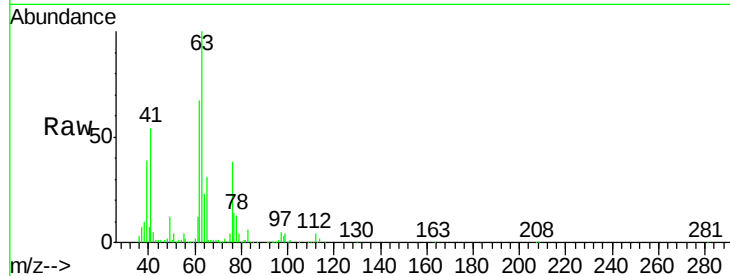
#45
1,2-Dichloropropane
Concen: 19.69 ug/l
RT: 9.12 min Scan# 2342
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.8	37.2

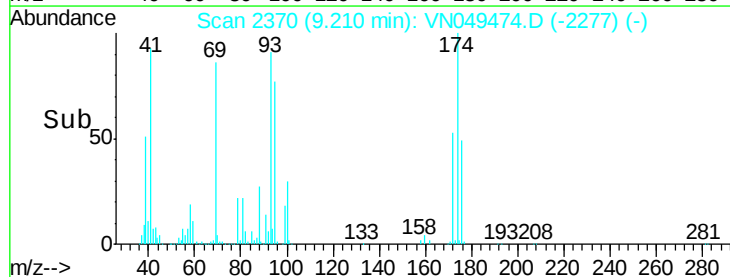
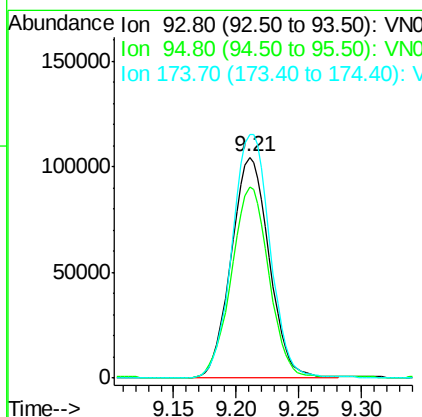
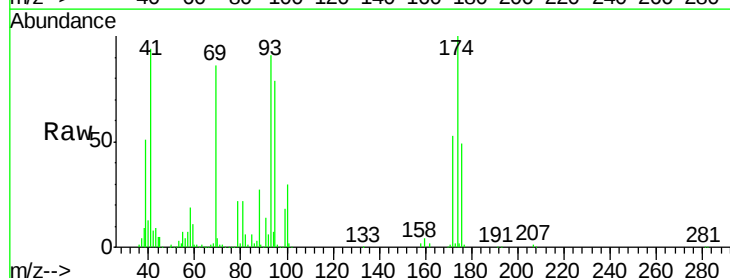
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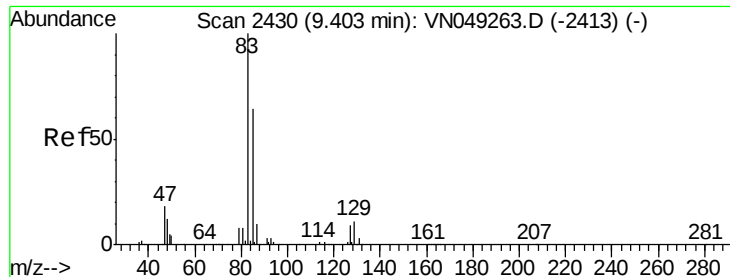
apatel
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#46
Dibromomethane
Concen: 19.65 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	67.2	100.8
174	110.0	75.6	113.4





#47

Bromodichloromethane

Concen: 19.32 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

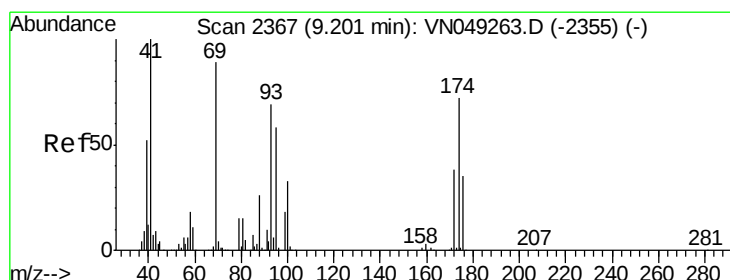
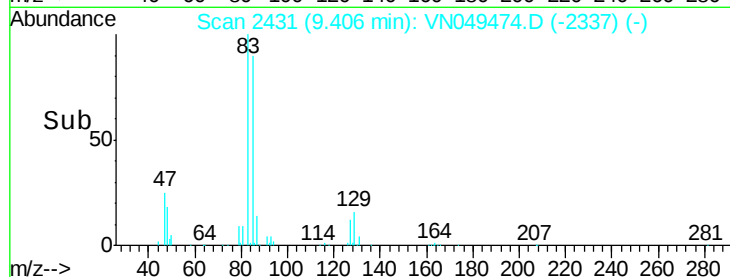
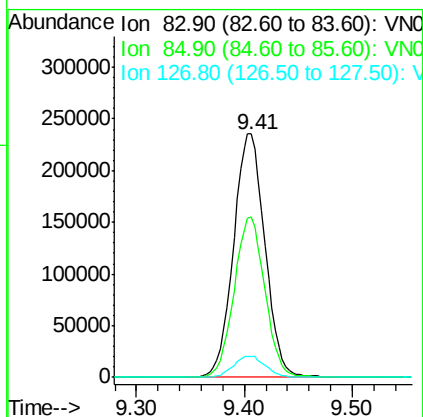
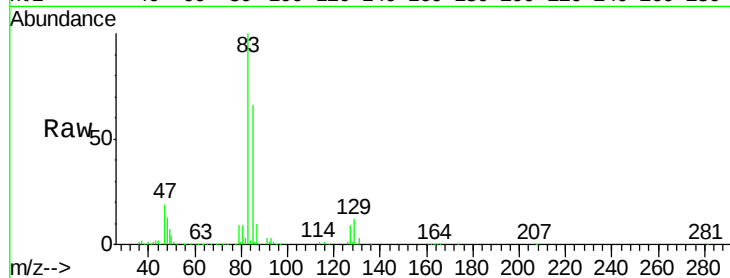
ClientSampleId :

VN0621MBS01

Tot Ion:	83	Resp:	477091
Ion Ratio	Lower	Upper	
83	100		
85	65.7	49.4	74.0
127	8.8	6.3	9.5

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#48

Methyl methacrylate

Concen: 21.54 ug/l

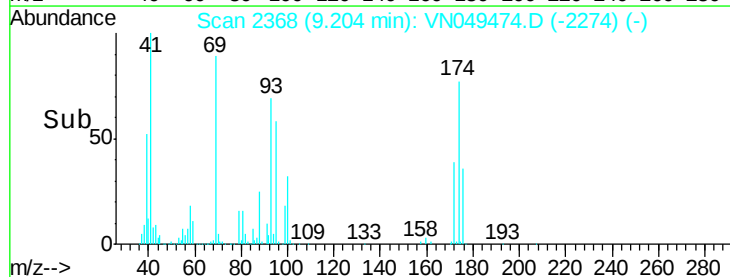
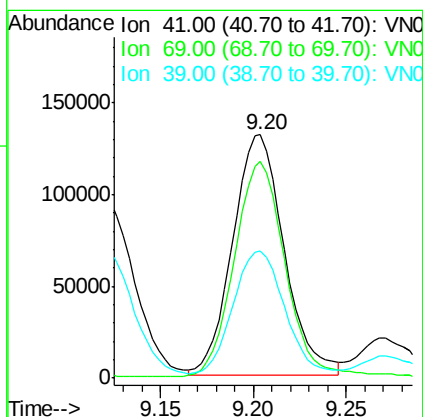
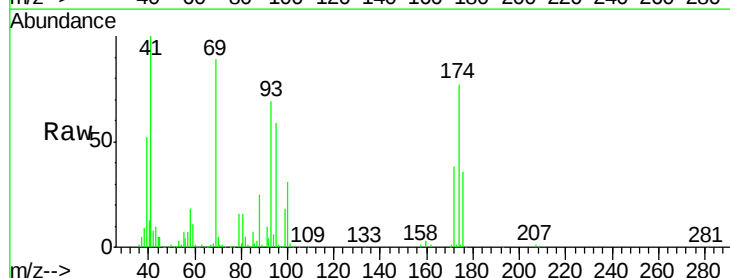
RT: 9.20 min Scan# 2368

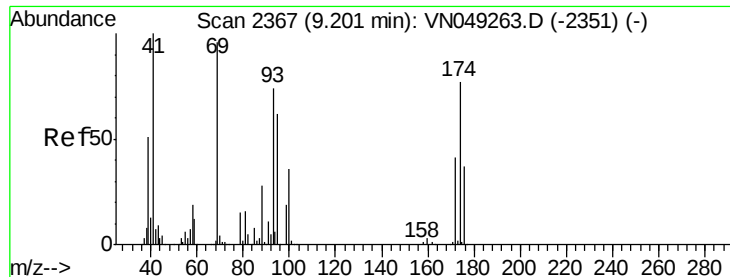
Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Tgt Ion:	41	Resp:	254291
Ion Ratio	Lower	Upper	
41	100		
69	88.9	62.0	93.0
39	53.6	50.6	75.8





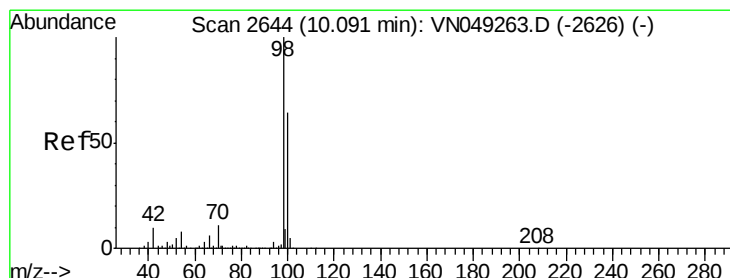
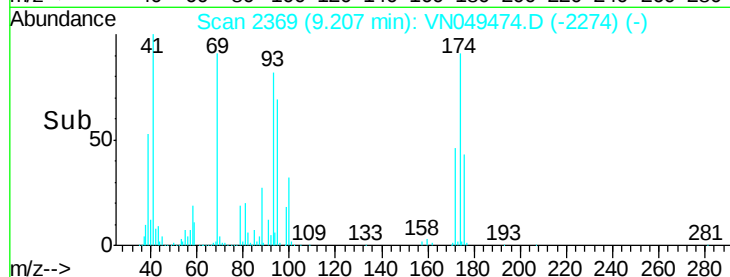
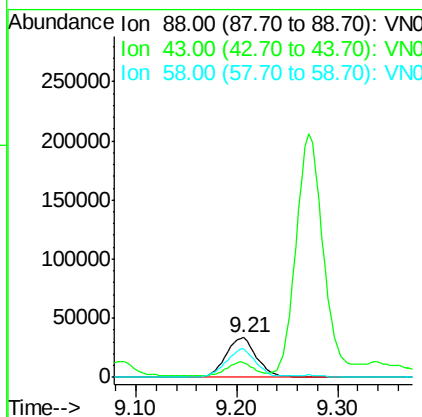
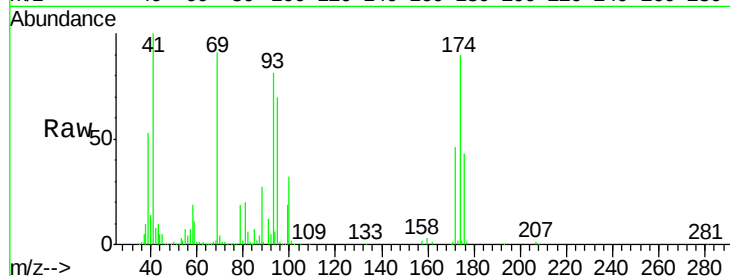
#49
1,4-Dioxane
Concen: 442.71 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.01 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion	88	Resp	72144
Ion	Ratio	Lower	Upper
88	100		
43	29.8	30.9	46.3#
58	70.0	58.9	88.3

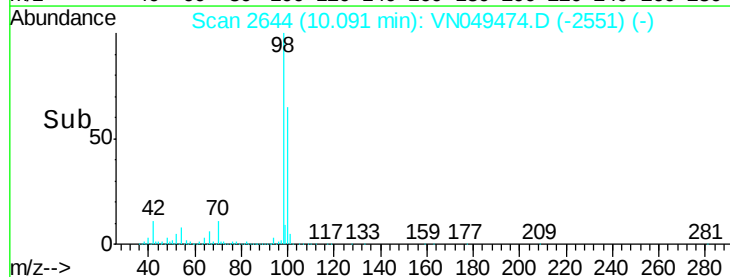
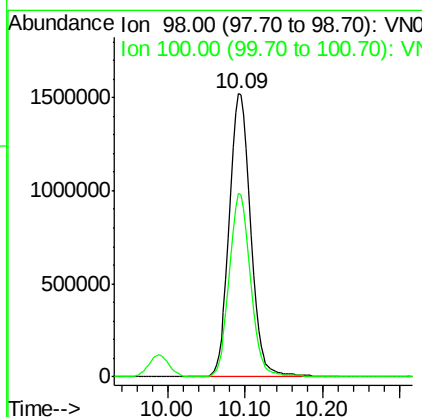
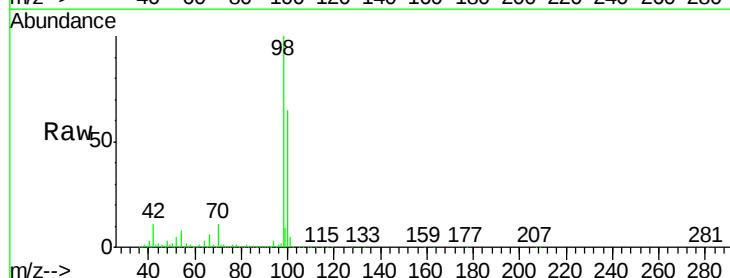
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#50
Toluene-d8
Concen: 44.76 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	98	Resp	2904021
Ion	Ratio	Lower	Upper
98	100		
100	64.3	49.8	74.8





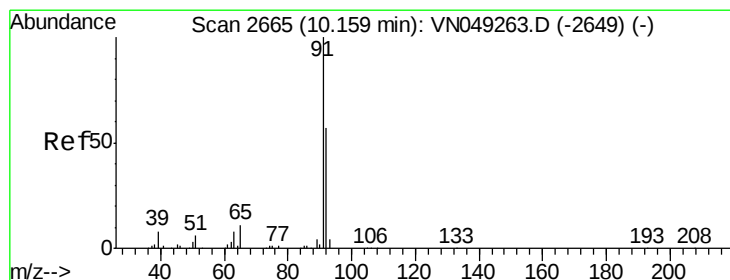
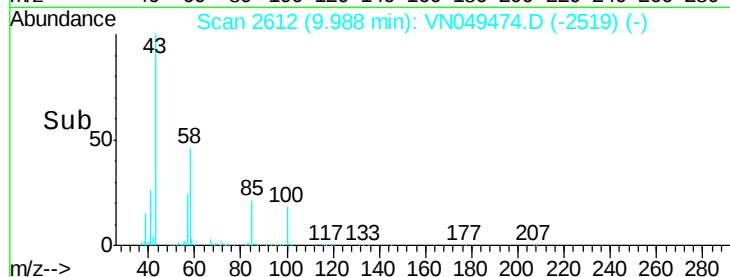
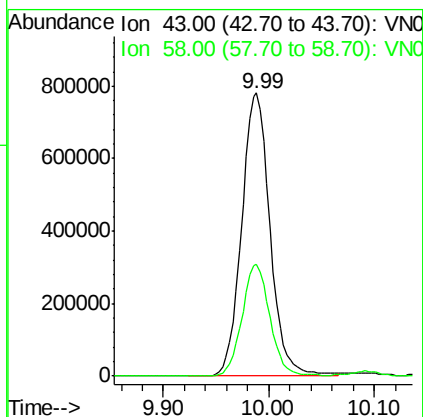
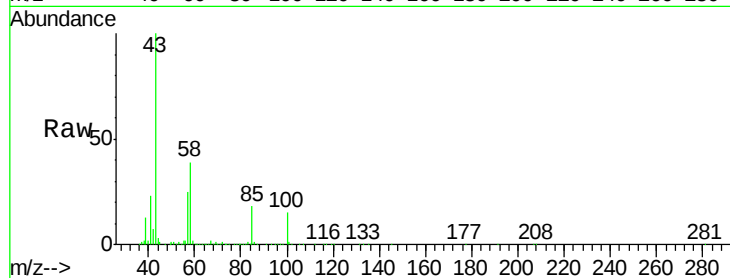
#51
4-Methyl-2-Pentanone
Concen: 111.01 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion: 43 Resp: 1458764
Ion Ratio Lower Upper
43 100
58 38.9 29.0 43.6

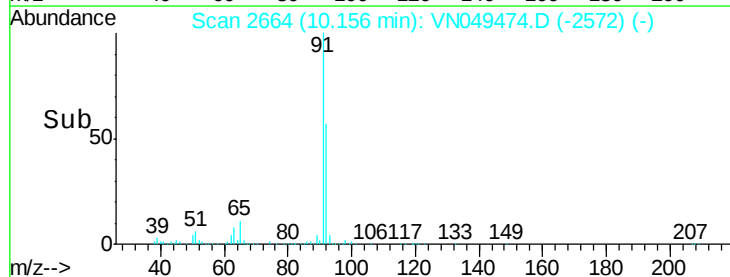
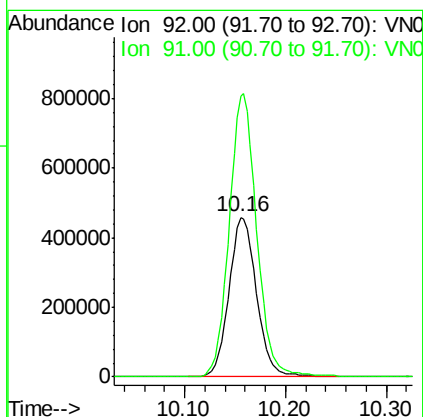
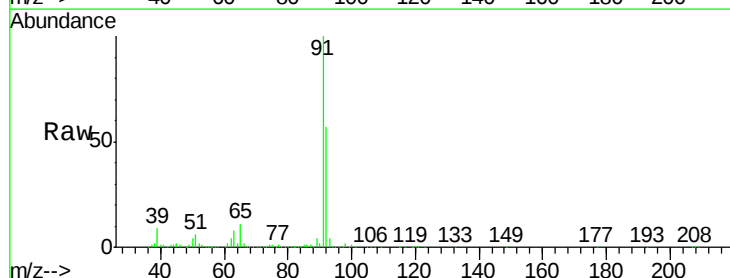
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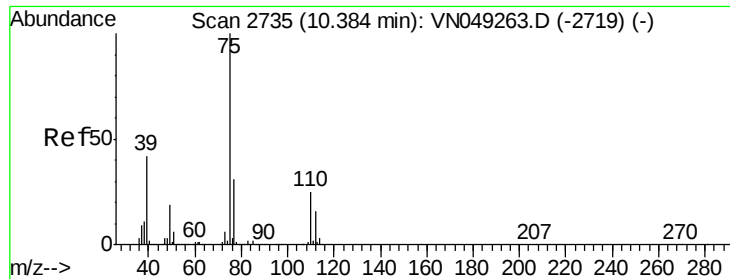
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#52
Toluene
Concen: 20.09 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion: 92 Resp: 872714
Ion Ratio Lower Upper
92 100
91 176.4 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 19.16 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

VN0621MBS01

Tot Ion: 75 Resp: 452566

Ion Ratio Lower Upper

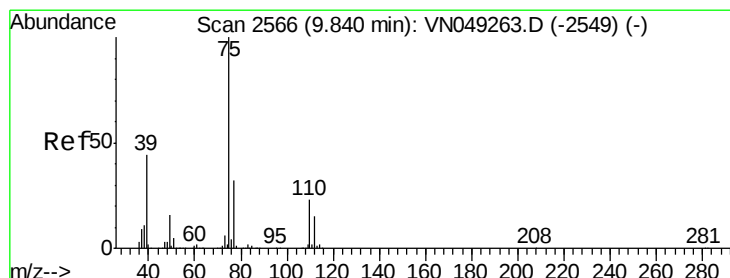
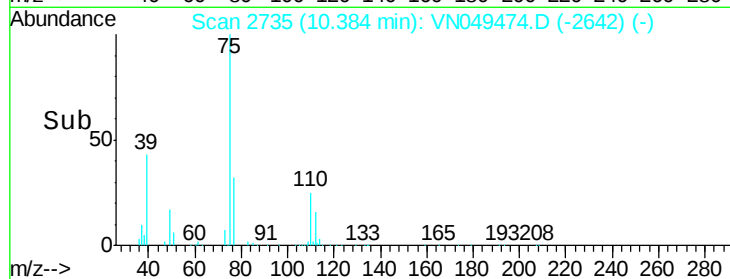
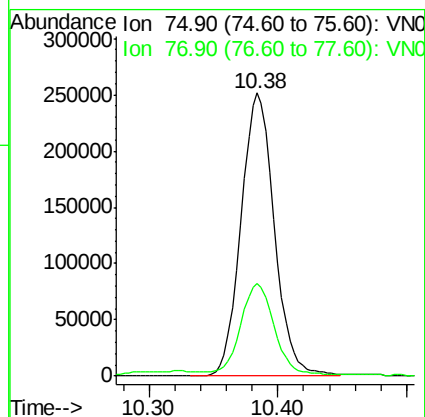
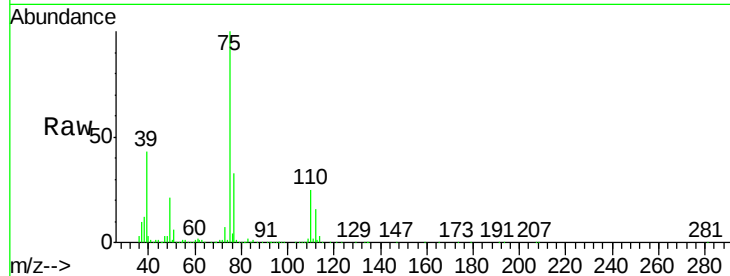
75 100

77 31.8 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 19.35 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

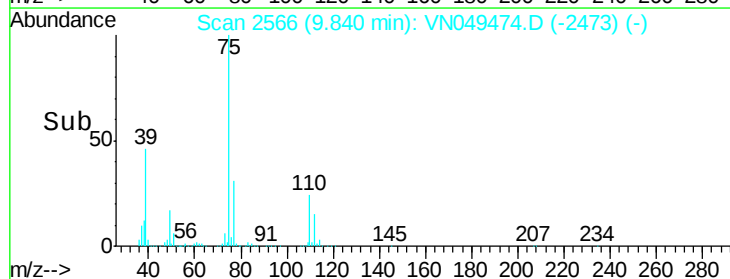
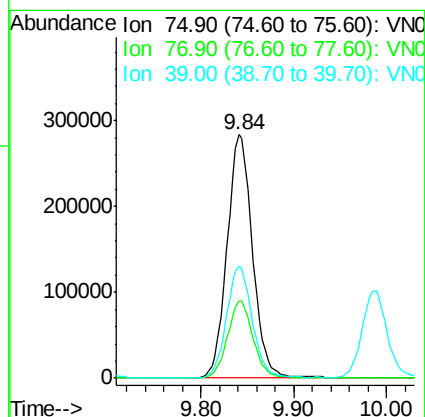
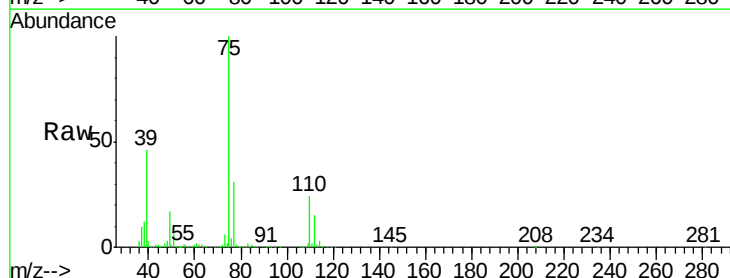
Tgt Ion: 75 Resp: 539583

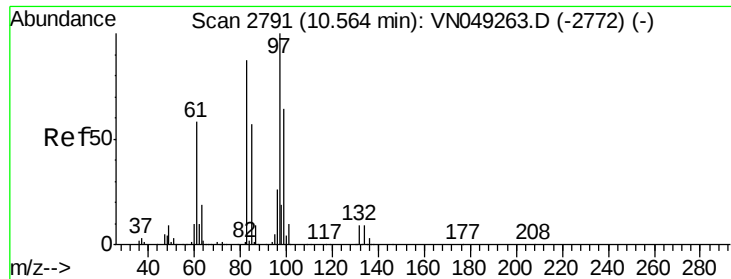
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 45.6 45.1 67.7





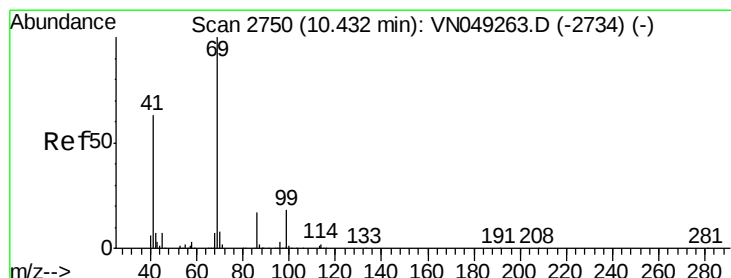
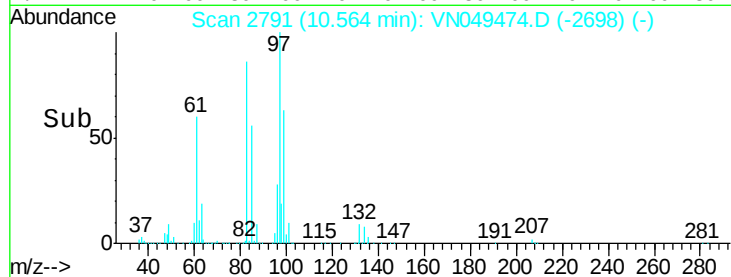
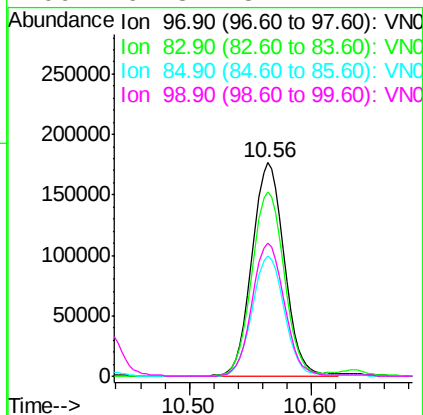
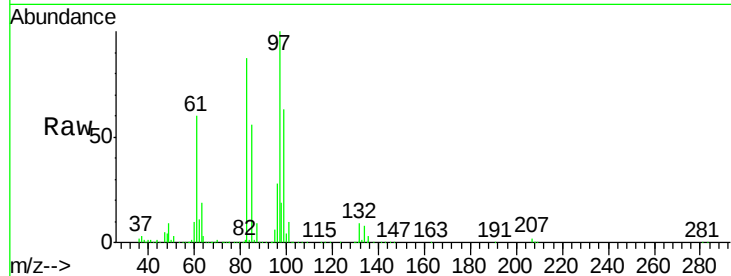
#55
 1,1,2-Trichloroethane
 Concen: 19.94 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0621MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		322931		
83	86.6	71.5	107.3		
85	56.2	47.0	70.4		
99	62.3	51.4	77.2		

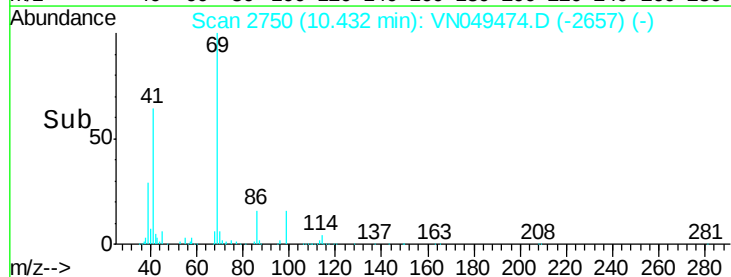
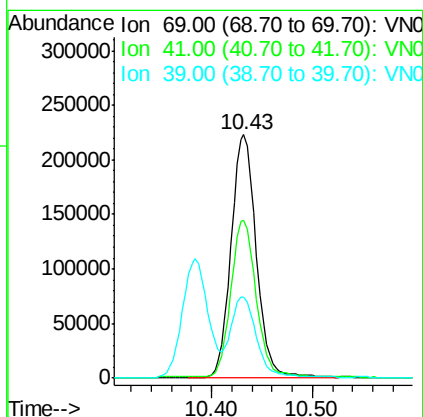
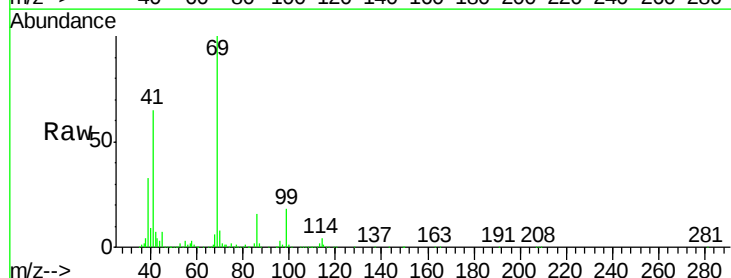
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#56
 Ethyl methacrylate
 Concen: 20.81 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		388808		
41	64.3	58.4	87.6		
39	34.1	35.5	53.3#		





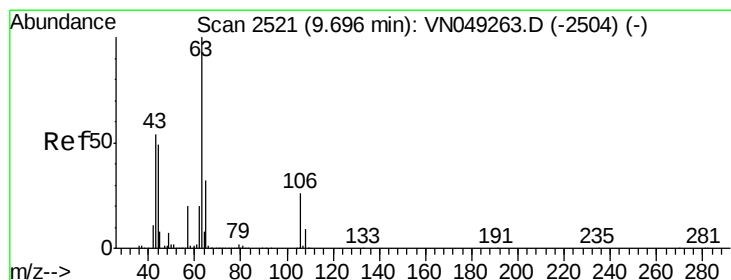
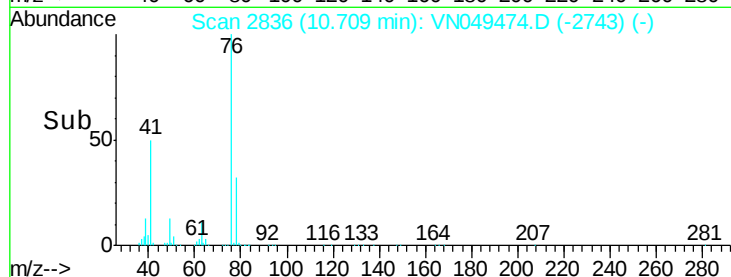
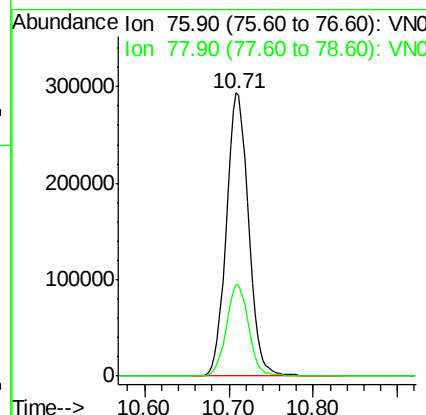
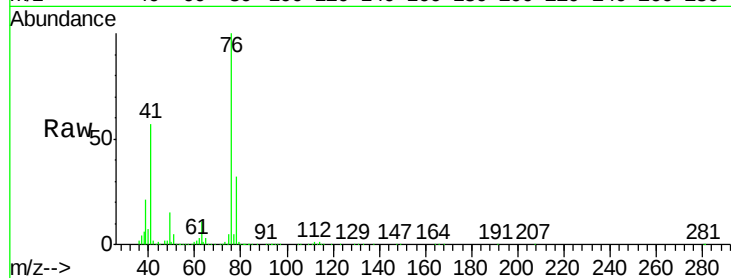
#57
 1,3-Dichloropropane
 Concen: 20.00 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5

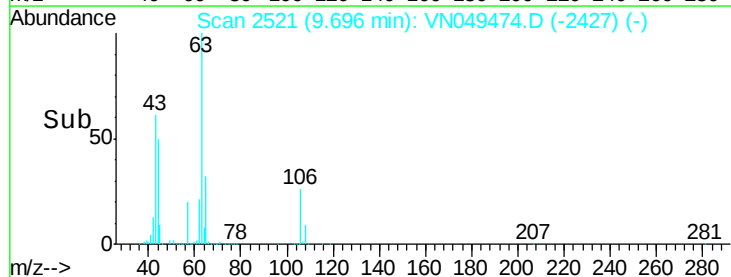
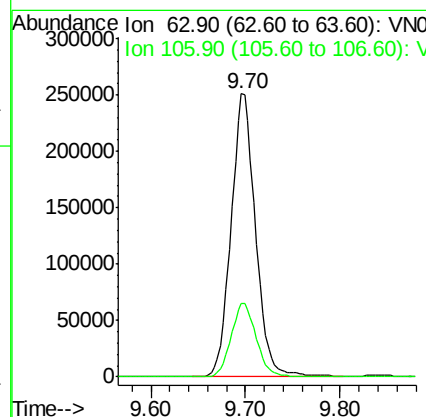
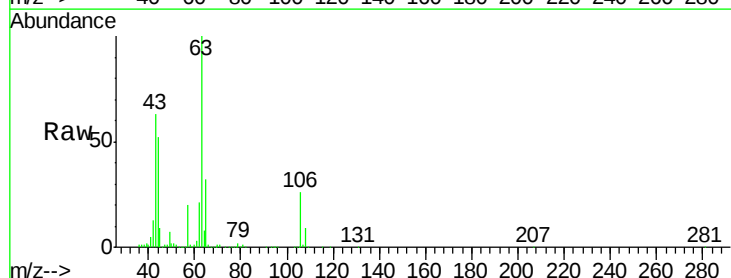
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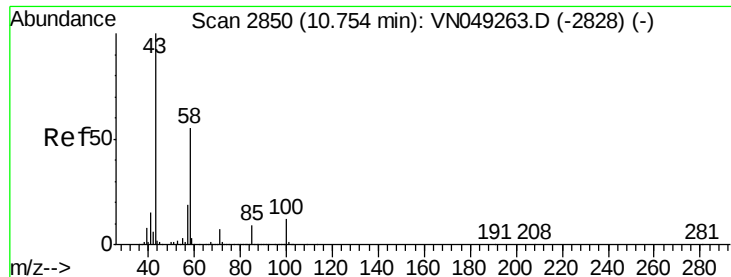
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#58
 2-Chloroethyl Vinyl ether
 Concen: 78.12 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	19.4	29.2





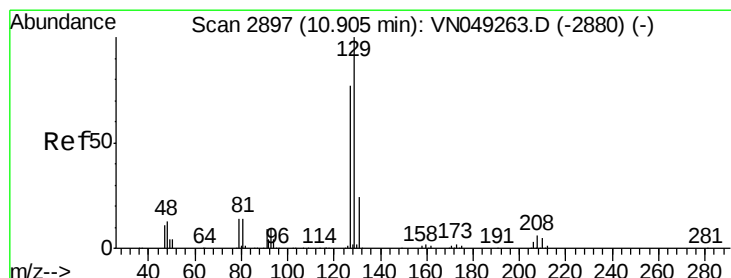
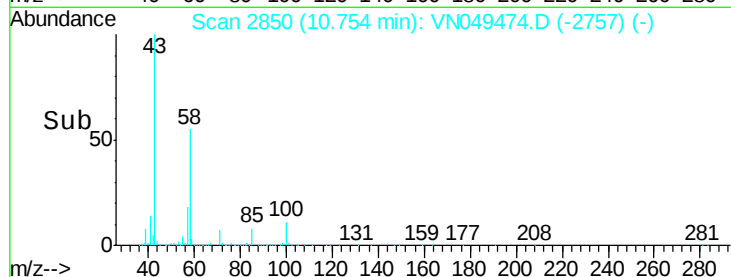
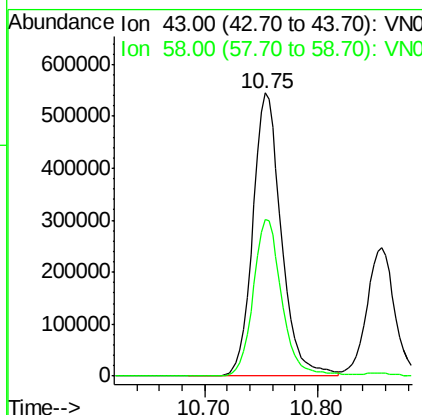
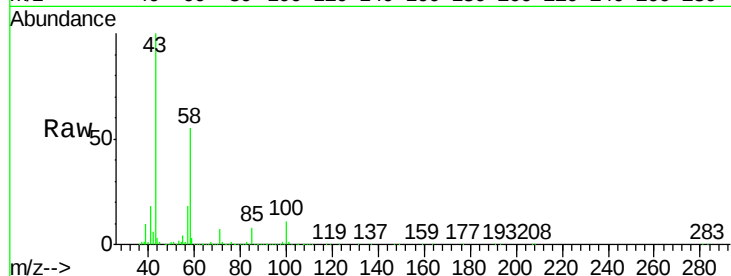
#59
2-Hexanone
Concen: 112.00 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.6	25.2	75.6

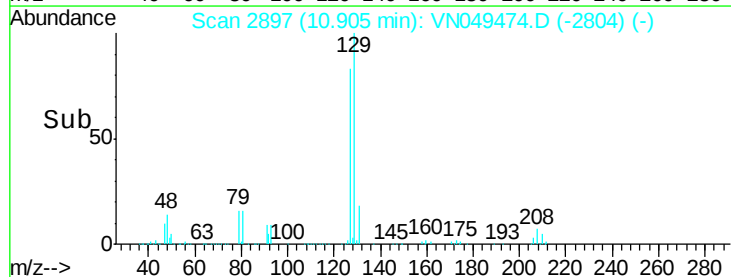
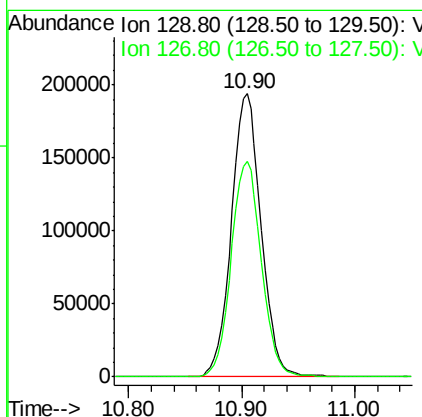
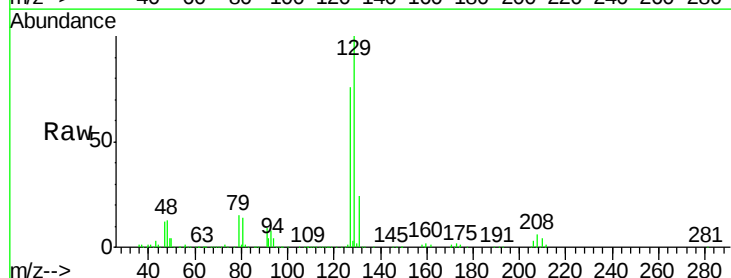
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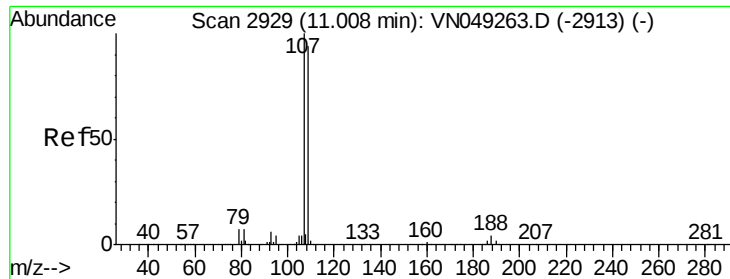
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#60
Dibromochloromethane
Concen: 19.61 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.1	117.2





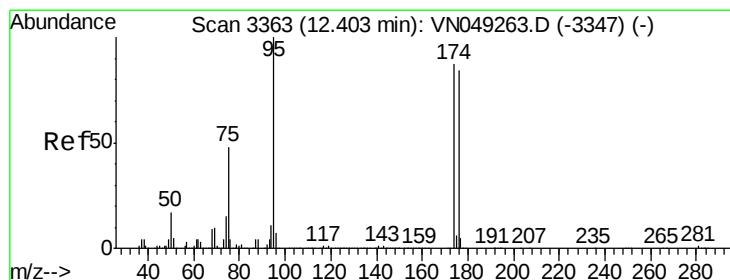
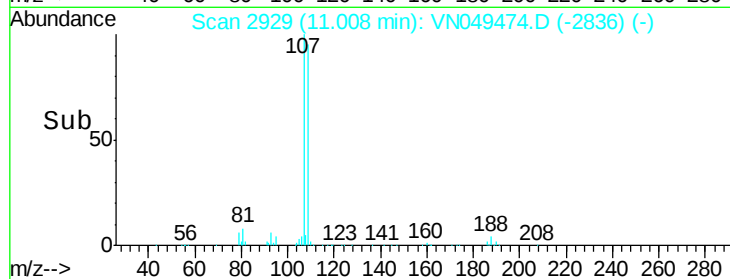
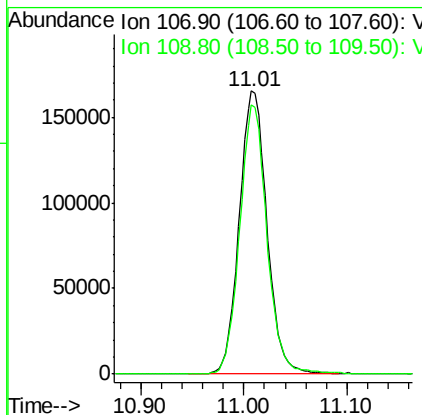
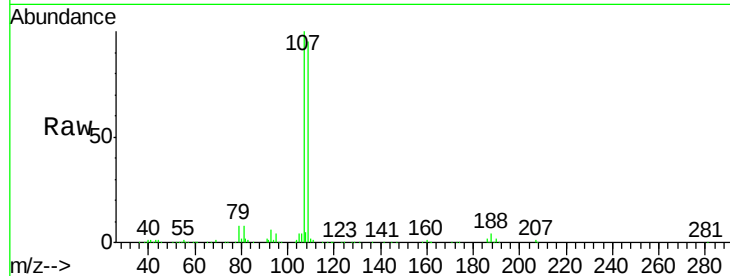
#61
 1,2-Dibromoethane
 Concen: 20.55 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	75.4	113.2

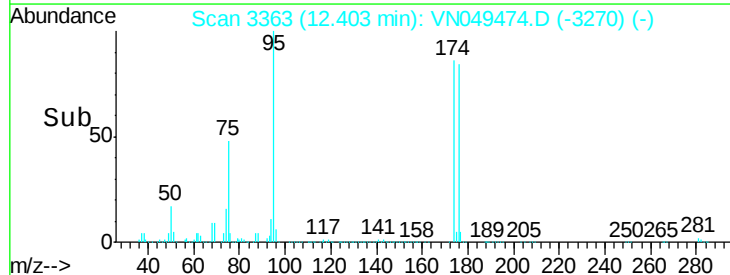
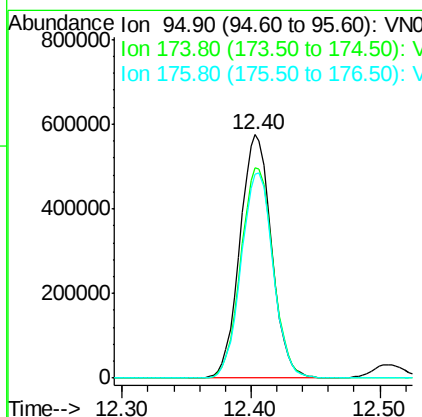
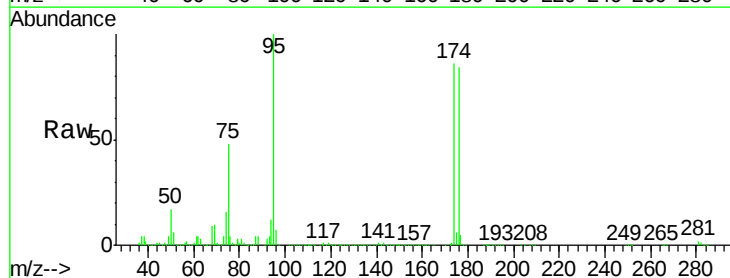
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 45.53 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	165.6
176	85.7	0.0	157.4





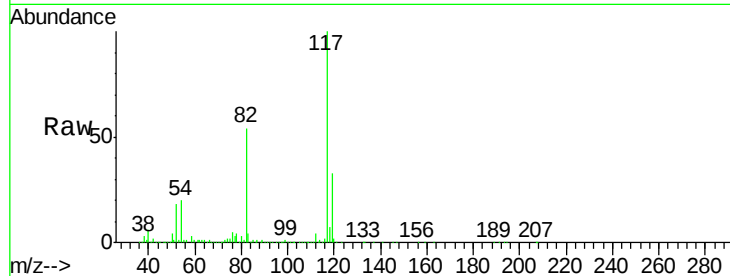
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampled :
VN0621MBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.9	68.9
119	32.7	25.5	38.3

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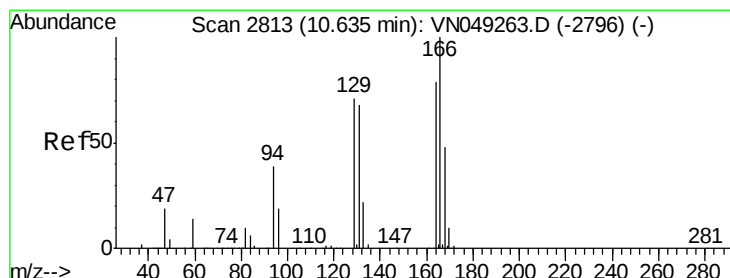
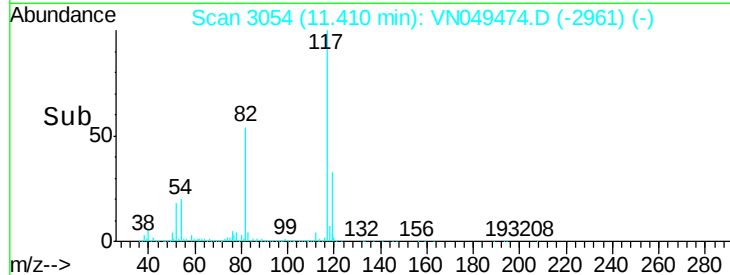
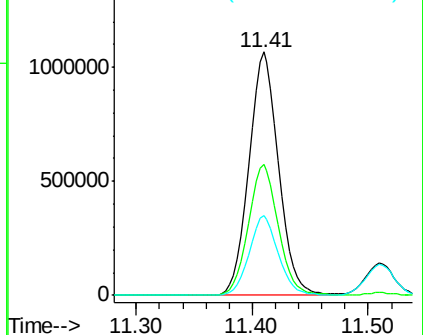


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.28 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.6	101.4	152.2
129	89.1	74.1	111.1
131	87.4	73.7	110.5

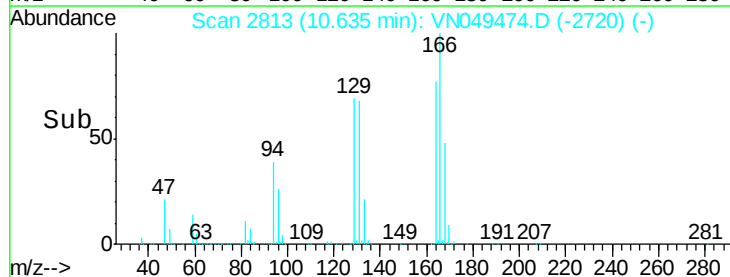
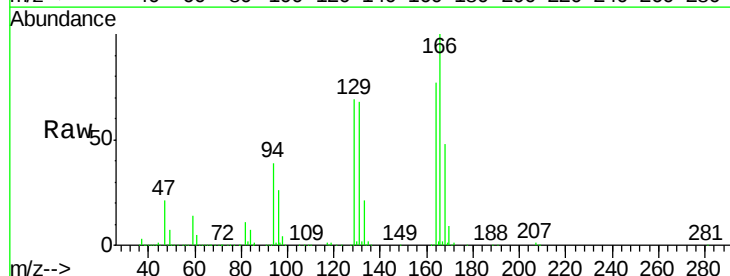
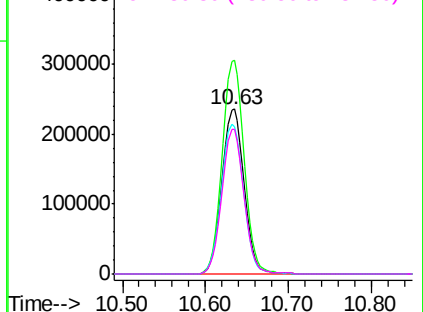
Abundance

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: 19.21 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

VN0621MBS01

Tot Ion:112 Resp: 944713

Ion Ratio Lower Upper

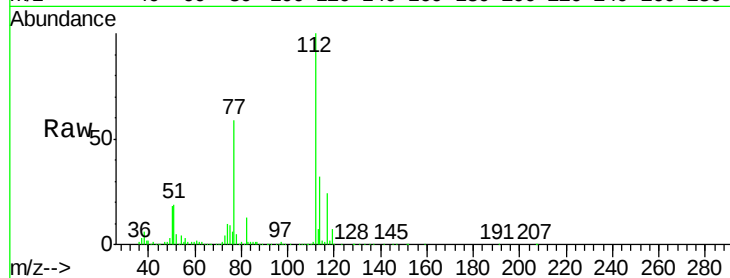
112 100

114 32.3 26.2 39.4

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

600000

500000

400000

300000

200000

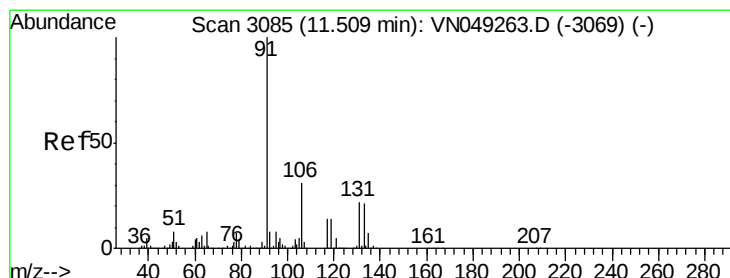
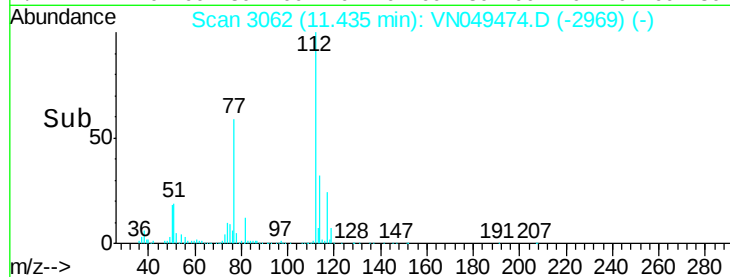
100000

0

11.44

11.40 11.50

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.14 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

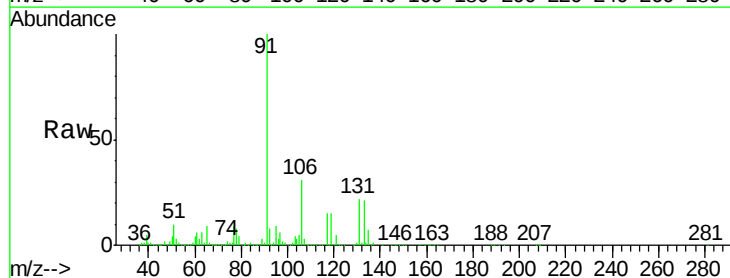
Tgt Ion:131 Resp: 354209

Ion Ratio Lower Upper

131 100

133 95.6 48.0 144.2

119 66.5 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

400000

300000

200000

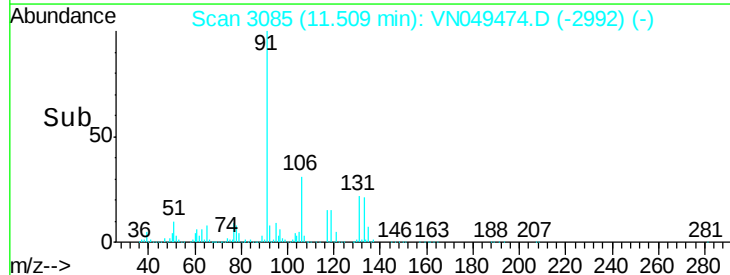
100000

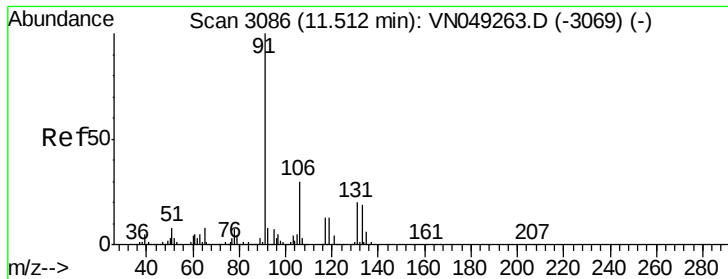
0

11.51

11.50 11.60

Time-->





#67

Ethyl Benzene

Concen: 19.62 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

VN0621MBS01

Tot Ion: 91 Resp: 1600253

Ion Ratio Lower Upper

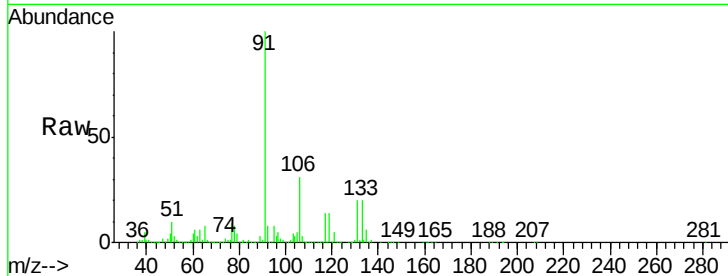
91 100

106 31.2 23.9 35.9

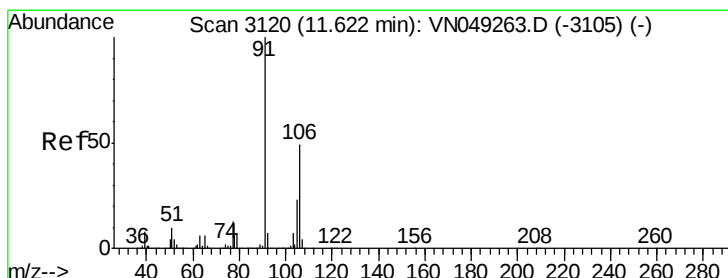
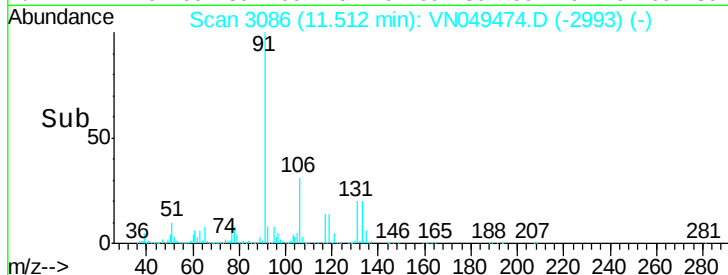
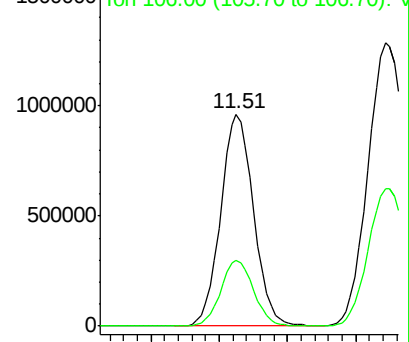
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Abundance Ion 91.00 (90.70 to 91.70): VN049474.D (-2993) (-)



#68

m/p-Xylenes

Concen: 40.03 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049474.D

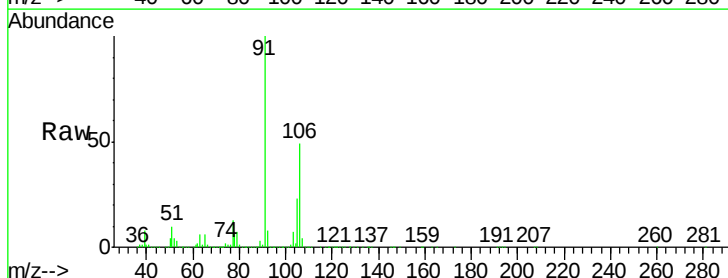
Acq: 21 Jun 2018 17:53

Tgt Ion: 106 Resp: 1225490

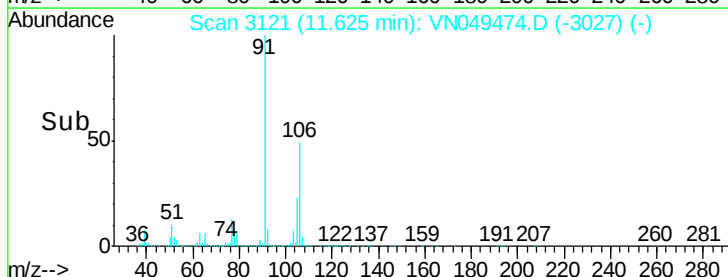
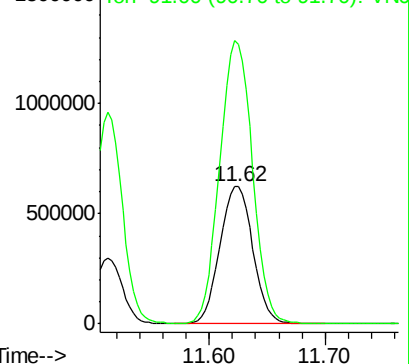
Ion Ratio Lower Upper

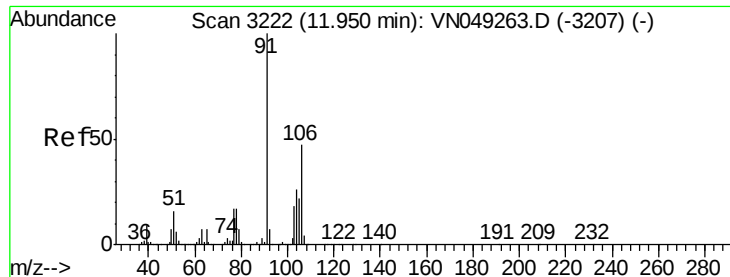
106 100

91 205.7 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049474.D (-3027) (-)





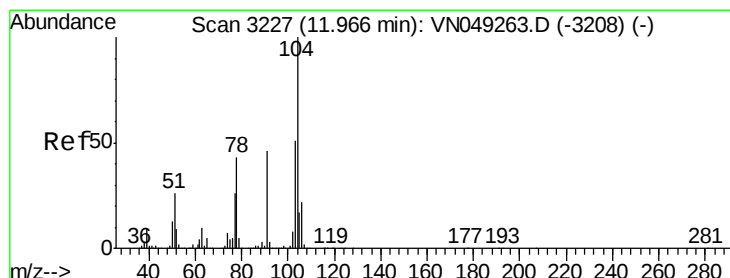
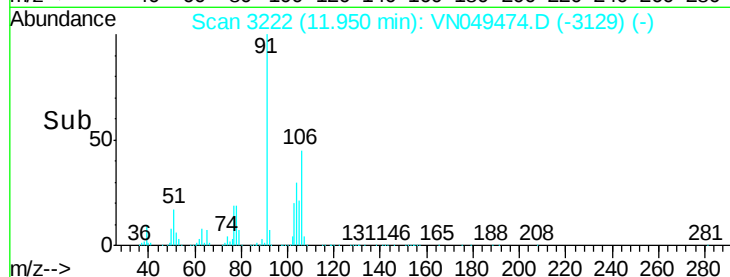
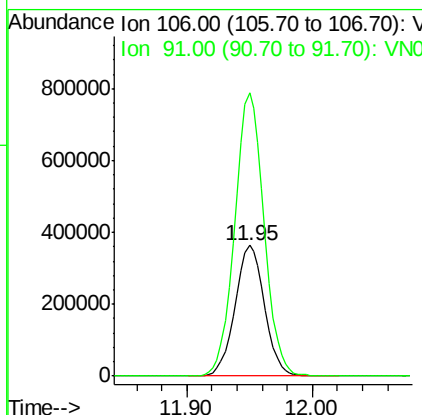
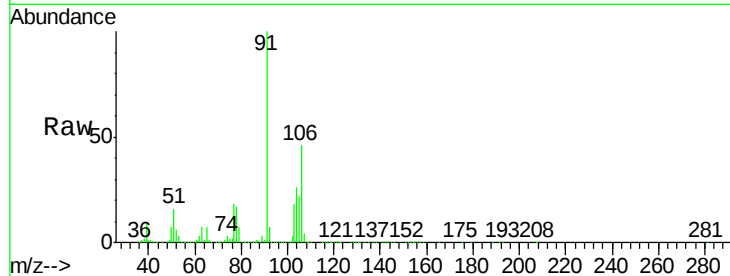
#69
o-Xylene
Concen: 20.07 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampled :
VN0621MBS01

Tot Ion:106 Resp: 591817
Ion Ratio Lower Upper
106 100
91 215.0 111.0 333.0

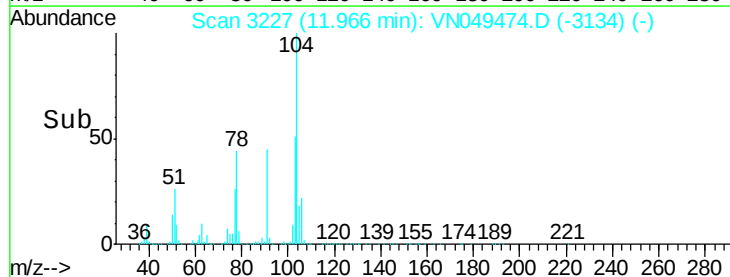
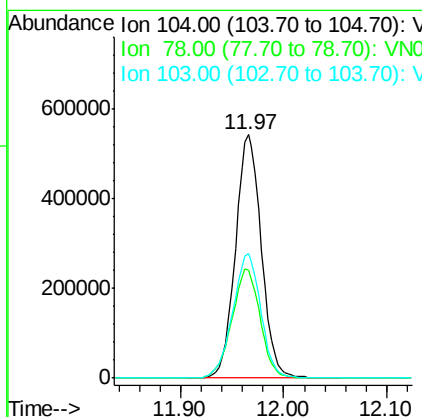
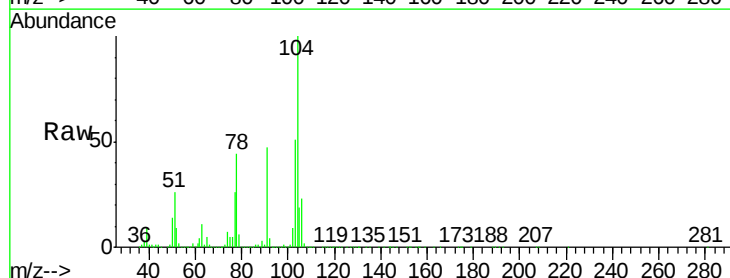
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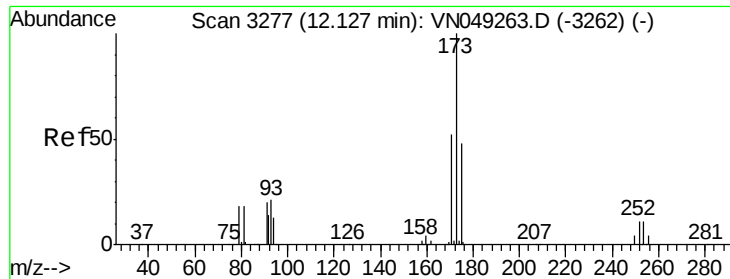
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#70
Styrene
Concen: 20.39 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion:104 Resp: 948723
Ion Ratio Lower Upper
104 100
78 48.8 41.6 62.4
103 55.4 45.4 68.2





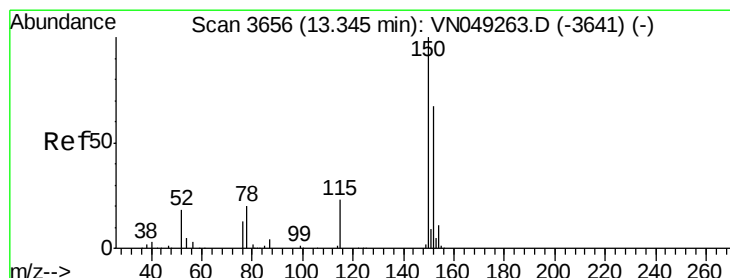
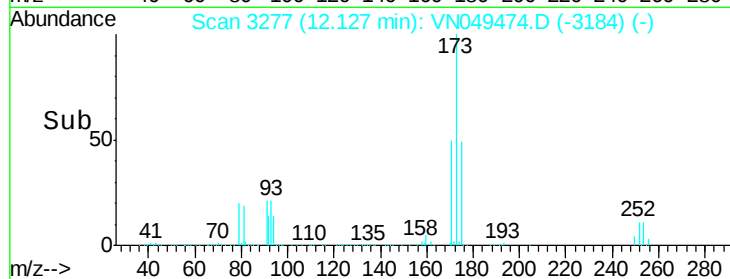
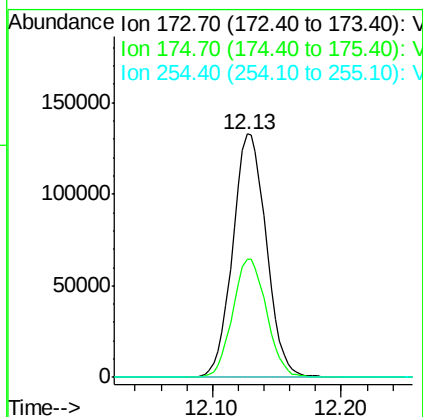
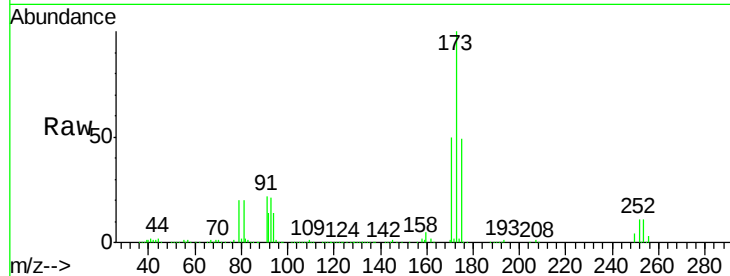
#71
Bromoform
Concen: 20.11 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.5	73.5
254	0.1	0.1	0.1

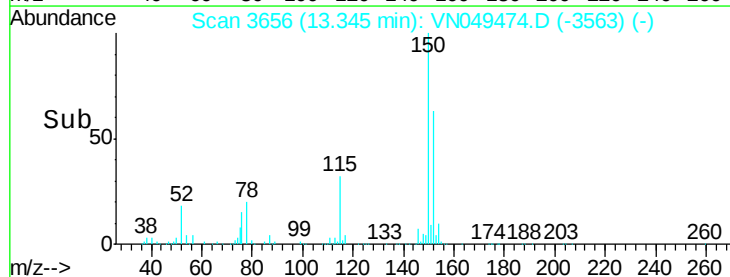
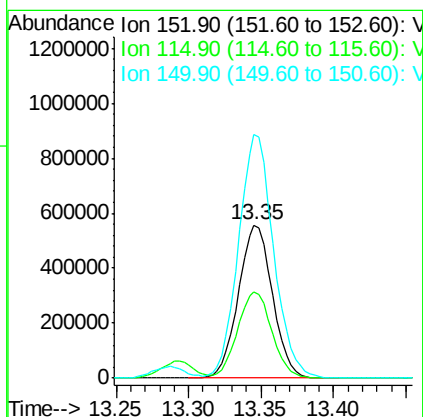
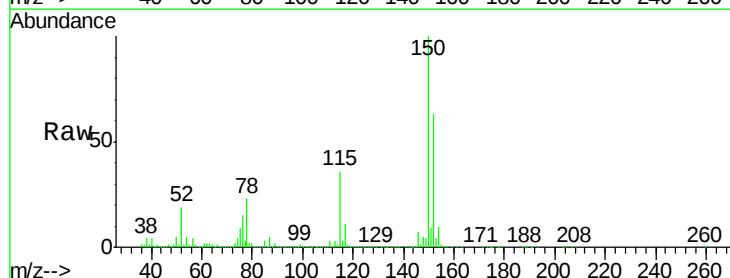
Manual Integrations
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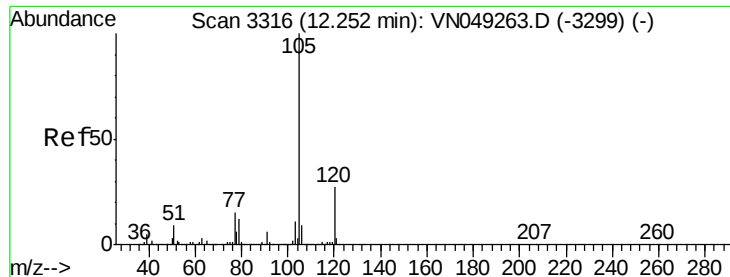
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.7	86.1
150	164.4	0.0	351.0





#73

Isopropylbenzene

Concen: 19.69 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

VN0621MBS01

Tot Ion:105 Resp: 1569137

Ion Ratio Lower Upper

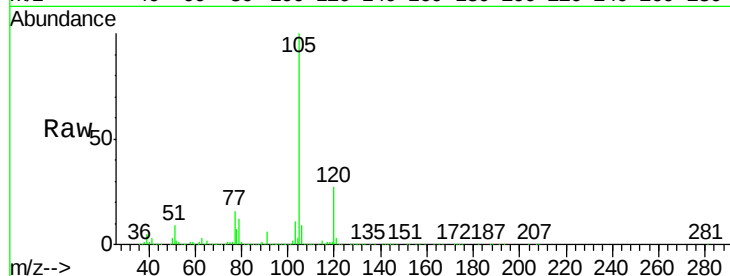
105 100

120 26.7 12.8 38.3

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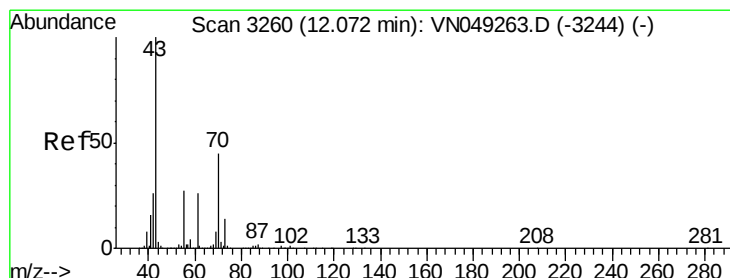
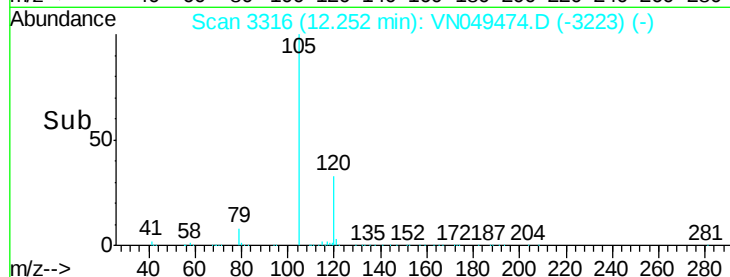
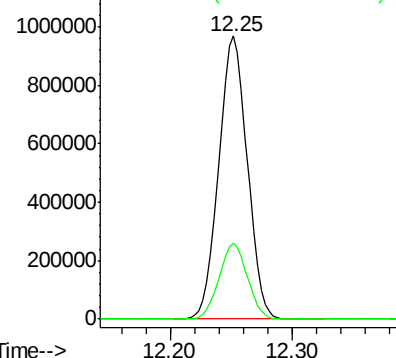
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.72 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Tgt Ion: 43 Resp: 404370

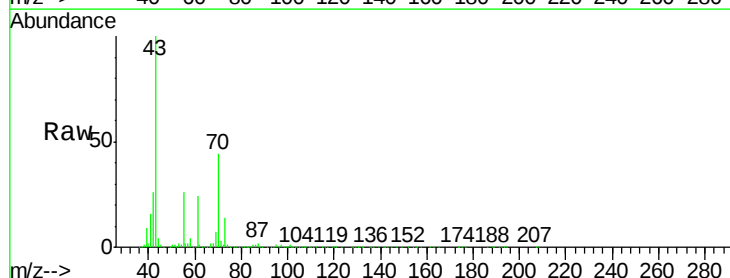
Ion Ratio Lower Upper

43 100

70 43.1 30.3 45.5

55 26.8 19.4 29.2

61 24.1 17.8 26.6

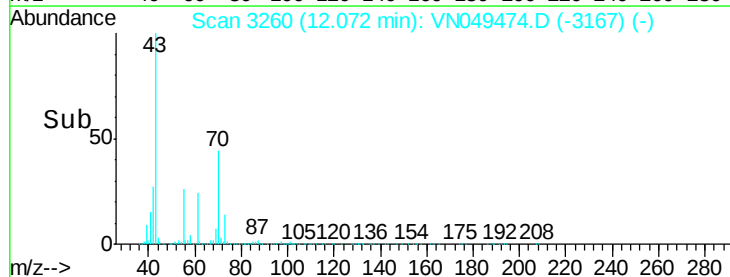
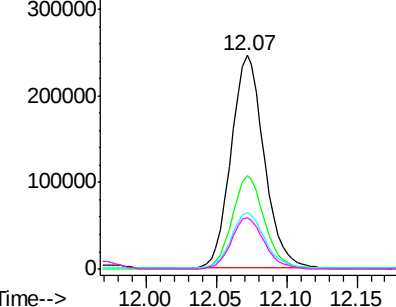


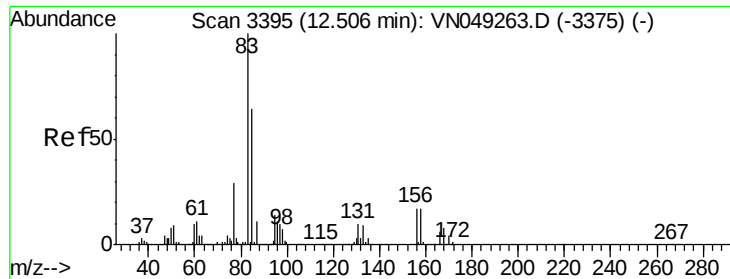
Abundance Ion 43.00 (42.70 to 43.70): V

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: 20.61 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

Tot Ion: 83 Resp: 359508

Ion Ratio Lower Upper

83 100

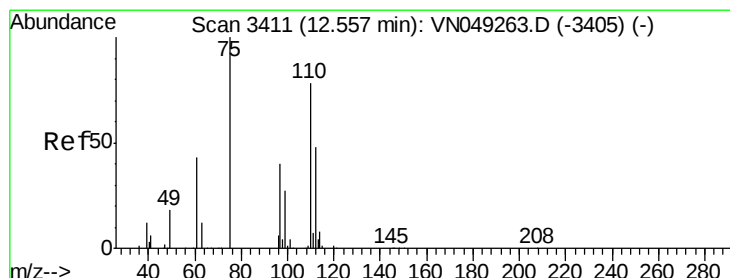
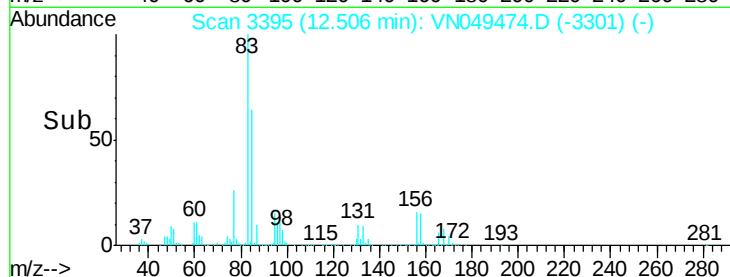
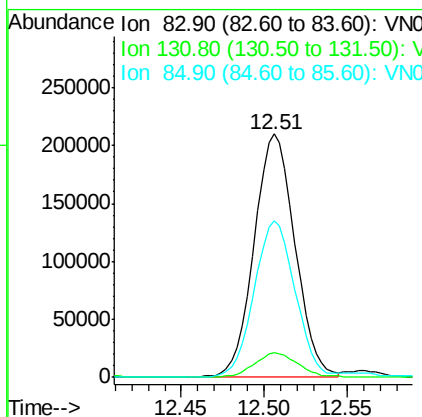
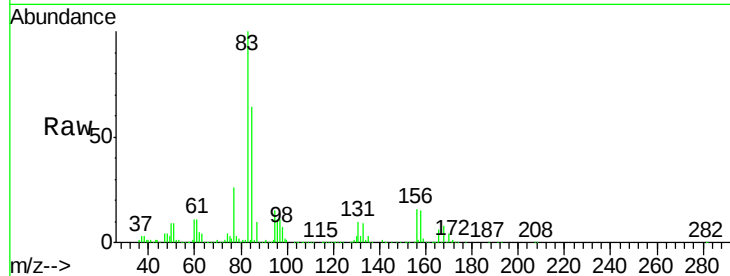
131 10.6 5.0 15.0

85 65.1 32.0 96.0

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#76

1,2,3-Trichloropropane

Concen: 20.87 ug/l m

RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN049474.D

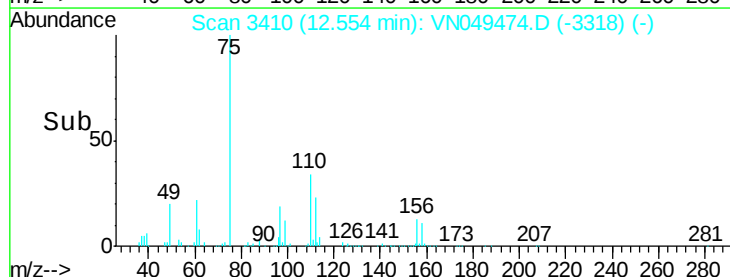
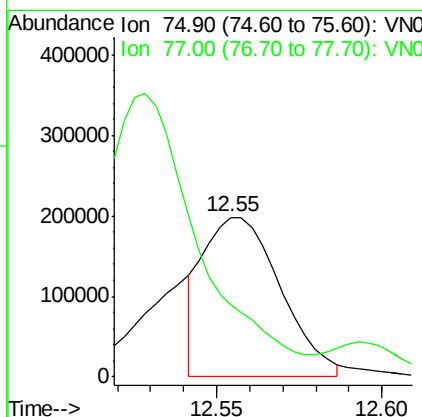
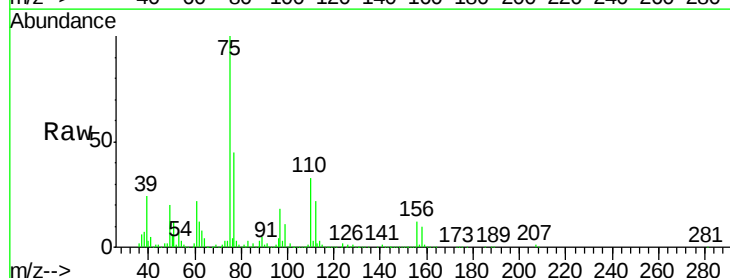
Acq: 21 Jun 2018 17:53

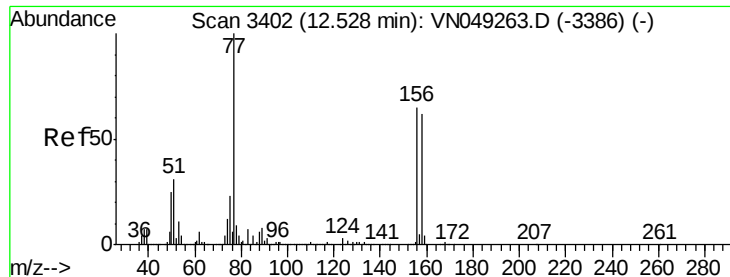
Tgt Ion: 75 Resp: 323117

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.44 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

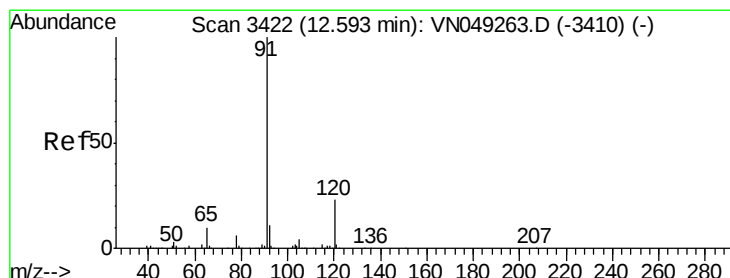
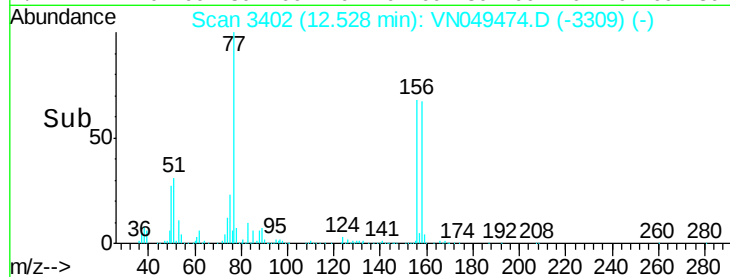
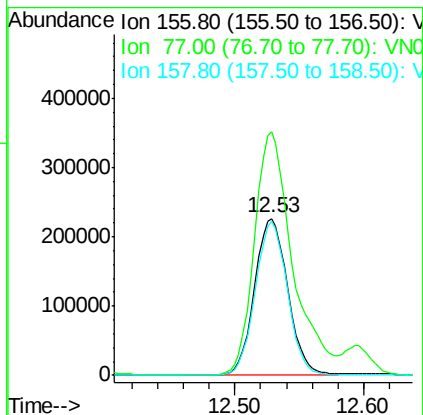
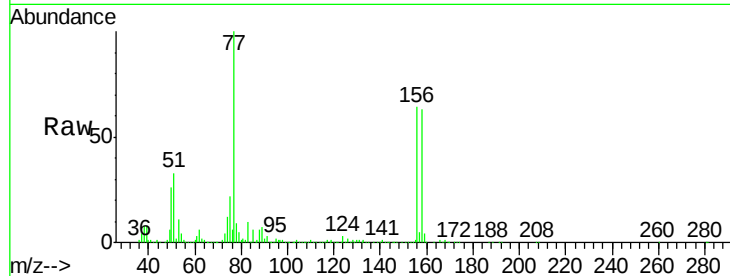
ClientSampleId :

VN0621MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	178.2	100.8	302.4
158	94.5	49.3	147.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.97 ug/l

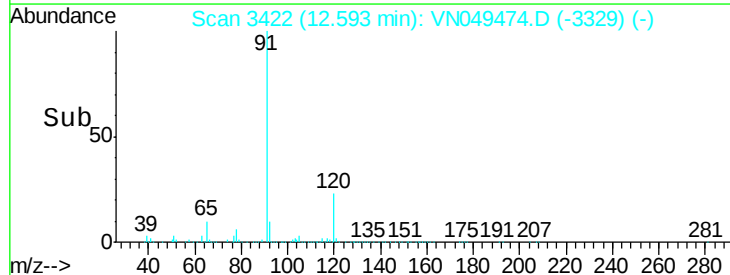
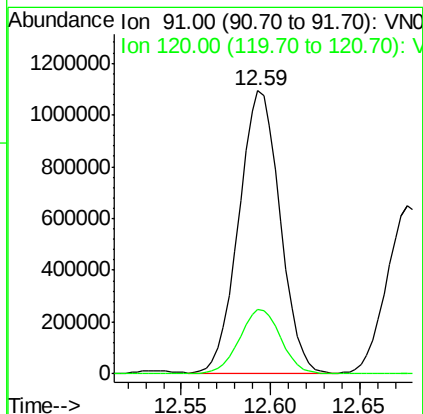
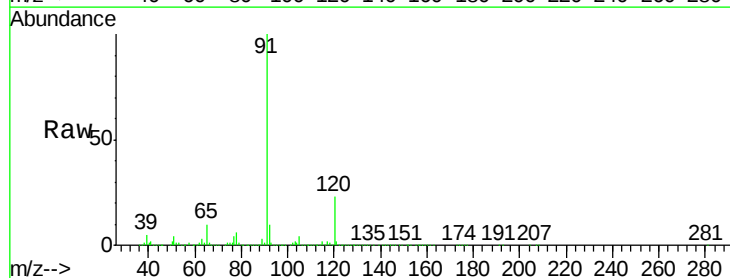
RT: 12.59 min Scan# 3422

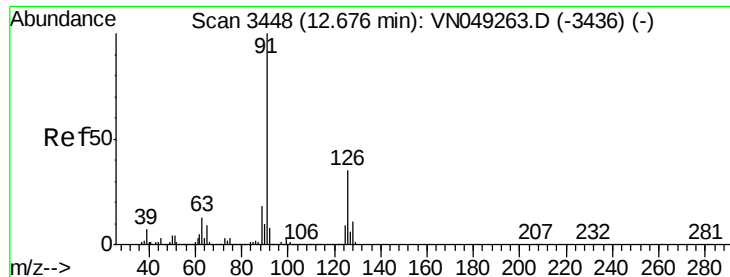
Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.24 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampled :

VN0621MBS01

Tot Ion: 91 Resp: 1066711

Ion Ratio Lower Upper

91 100

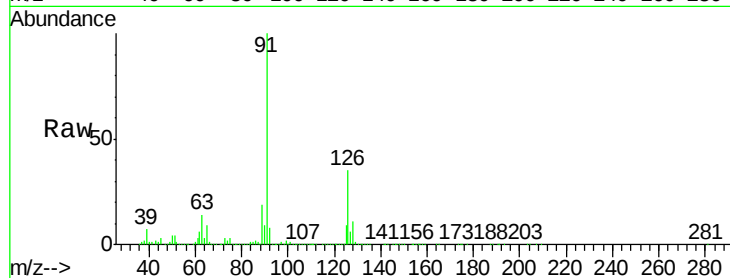
126 35.0 16.6 49.8

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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

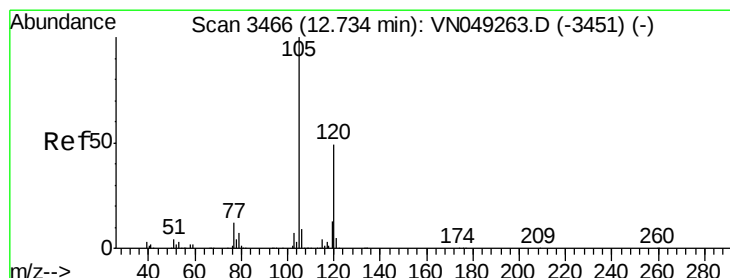
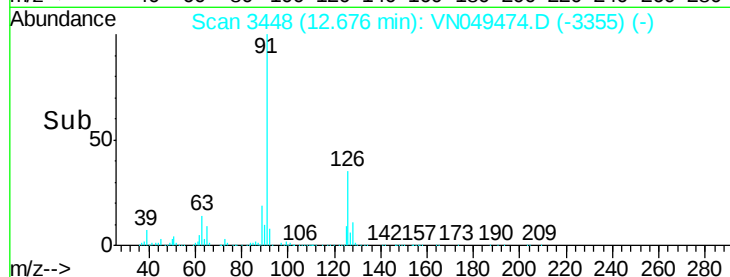
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.33 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049474.D

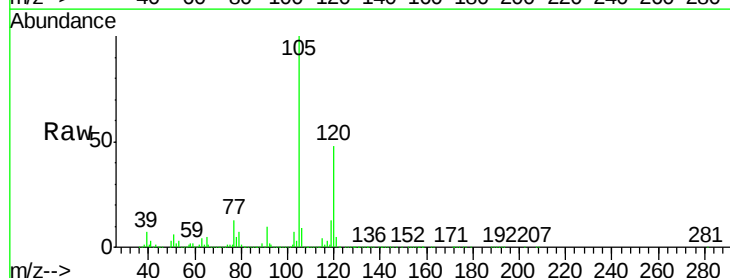
Acq: 21 Jun 2018 17:53

Tgt Ion: 105 Resp: 1273521

Ion Ratio Lower Upper

105 100

120 48.5 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

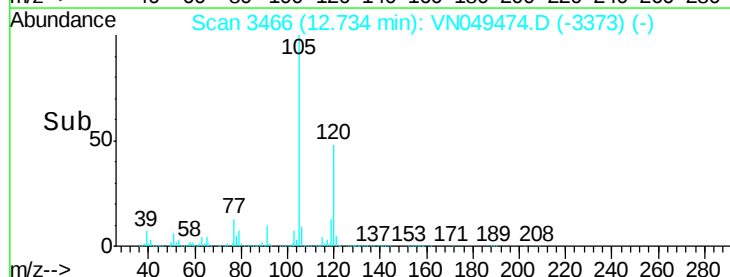
12.65

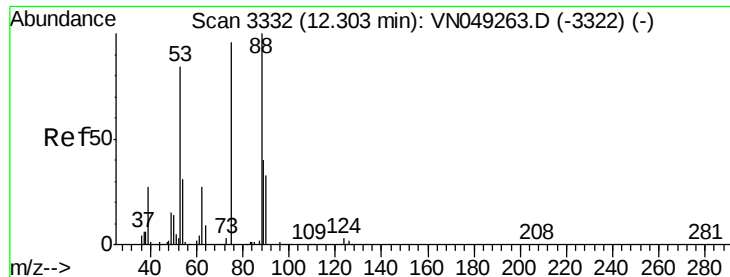
12.70

12.73

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.78 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

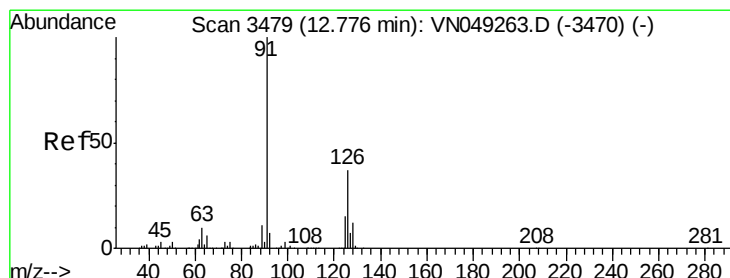
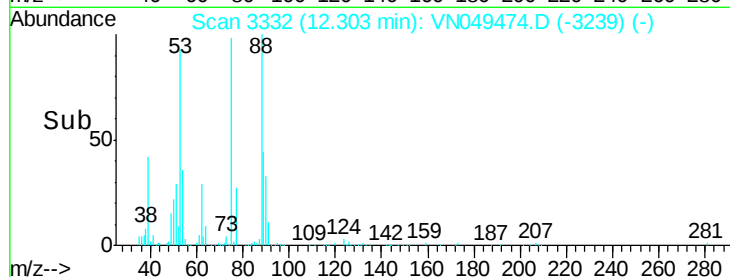
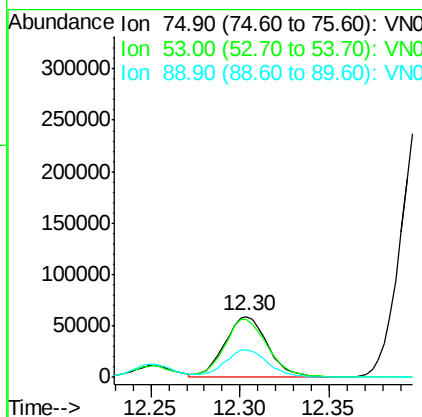
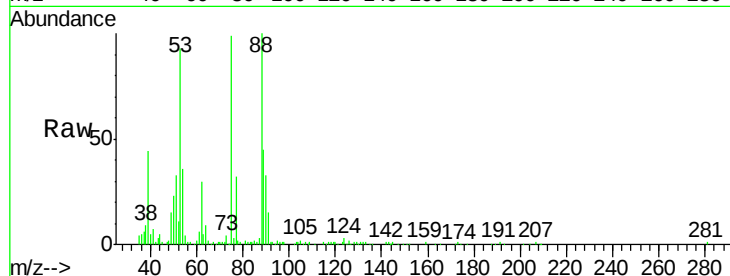
ClientSampleId :

VN0621MBS01

Tot Ion:	75	Resp:	96927
Ion	Ratio	Lower	Upper
75	100		
53	98.0	82.7	124.1
89	47.3	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.83 ug/l

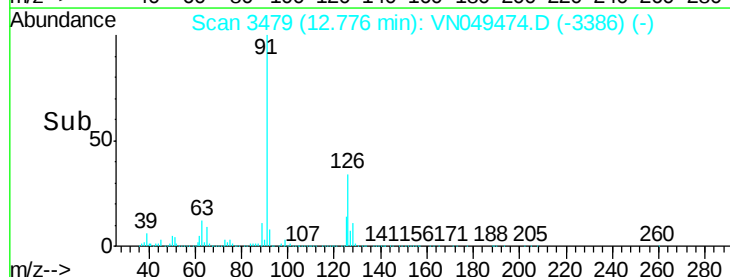
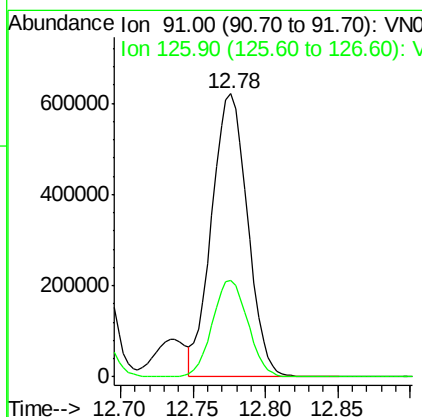
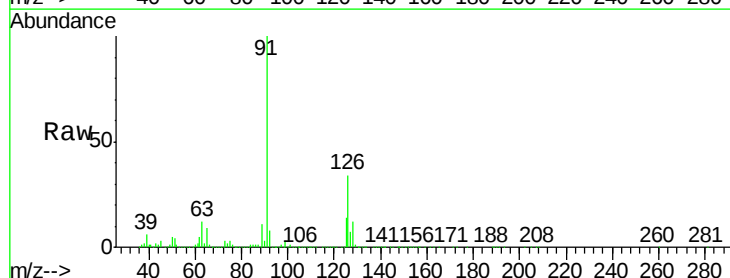
RT: 12.78 min Scan# 3479

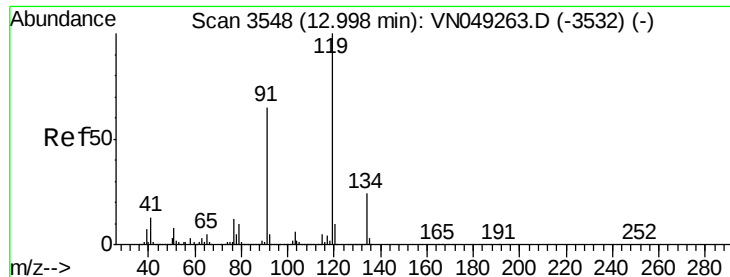
Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Tgt Ion:	91	Resp:	1060728
Ion	Ratio	Lower	Upper
91	100		
126	33.8	16.4	49.1





#83

tert-Butylbenzene

Concen: 19.64 ug/l

RT: 13.00 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

Tot Ion:119 Resp: 1089876

Ion Ratio Lower Upper

119 100

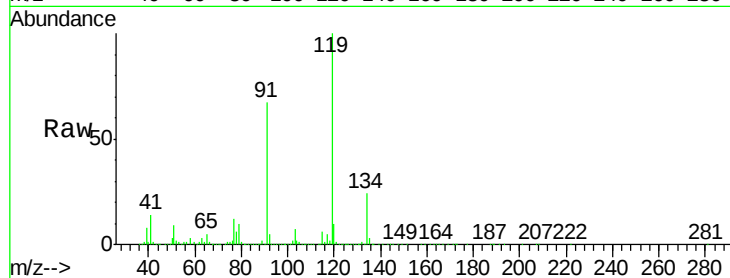
91 64.9 33.7 101.0

134 26.0 12.9 38.6

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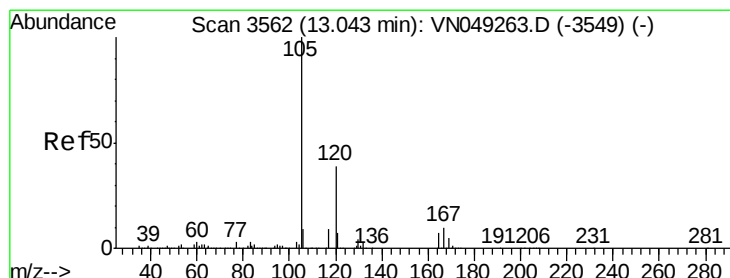
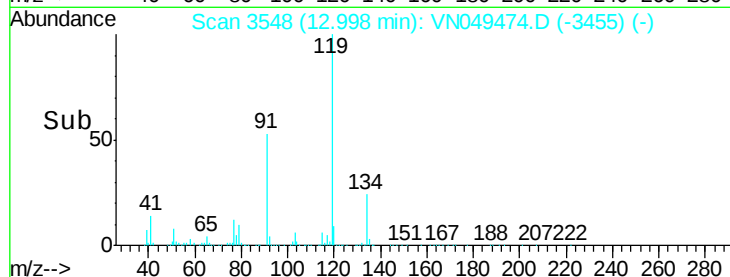
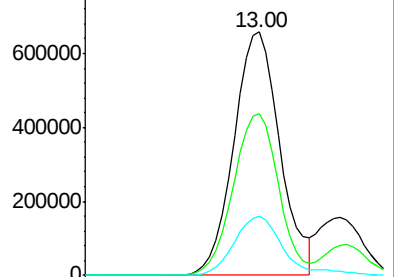
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.43 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049474.D

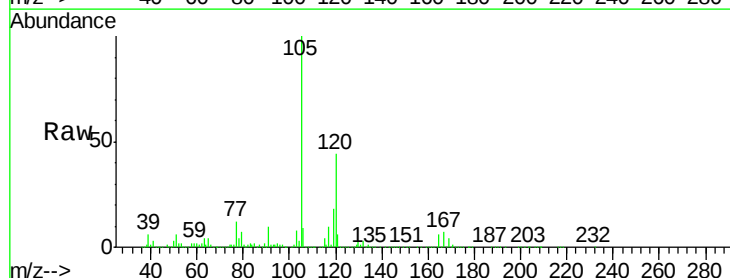
Acq: 21 Jun 2018 17:53

Tgt Ion:105 Resp: 1271129

Ion Ratio Lower Upper

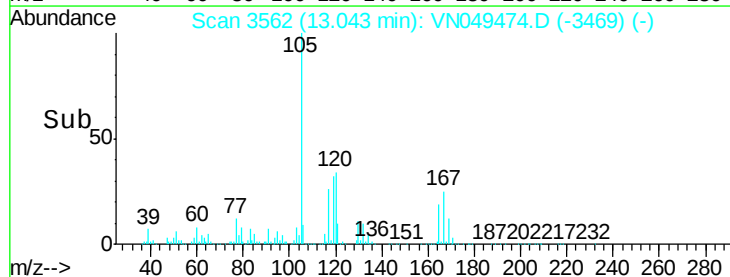
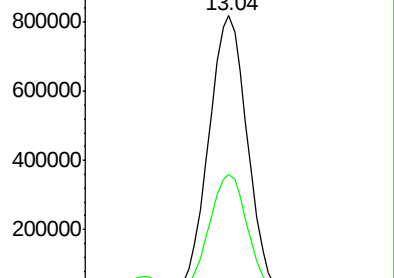
105 100

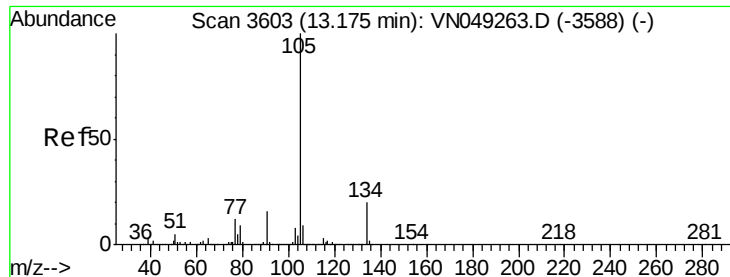
120 45.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.57 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

Tot Ion:105 Resp: 1445065

Ion Ratio Lower Upper

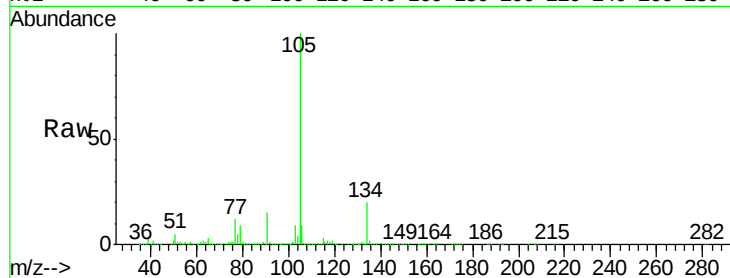
105 100

134 20.0 9.8 29.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

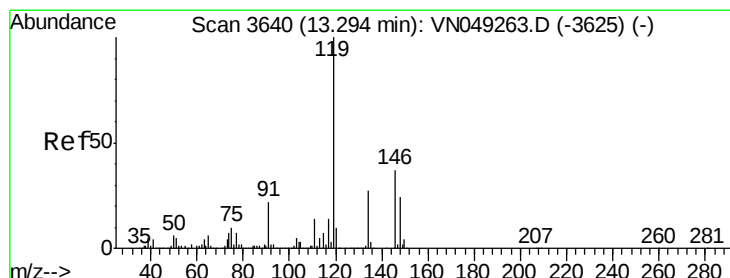
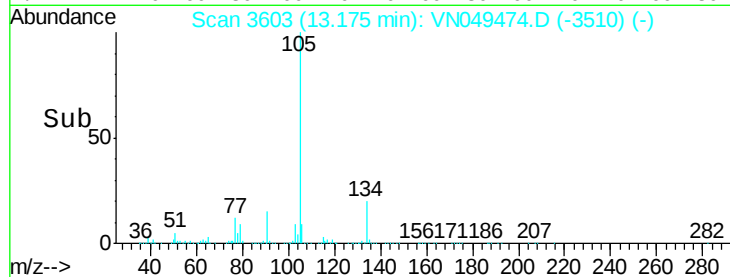
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 19.64 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

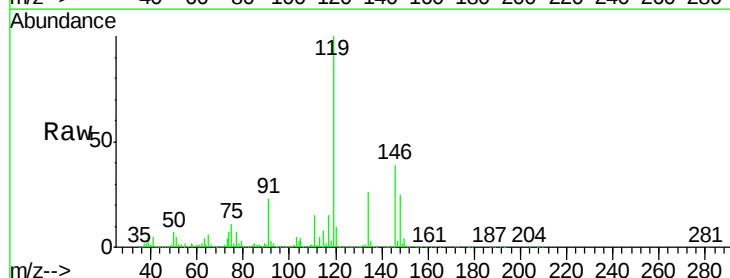
Tgt Ion:119 Resp: 1211548

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

91 22.7 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

1000000

800000

600000

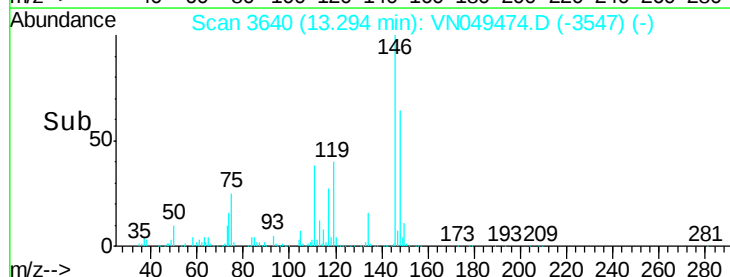
400000

200000

0

13.20 13.25 13.30 13.35

Time-->





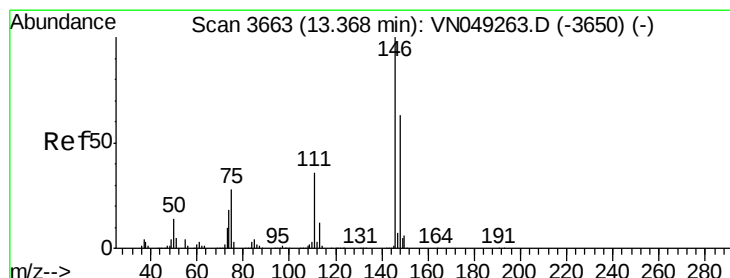
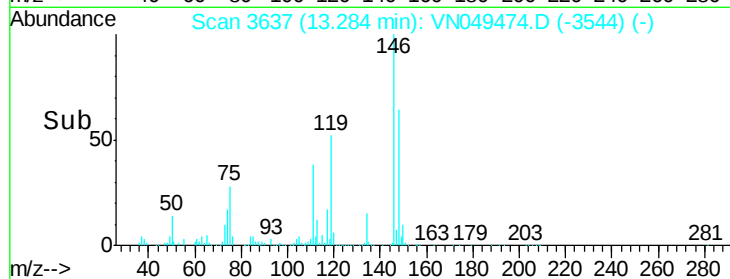
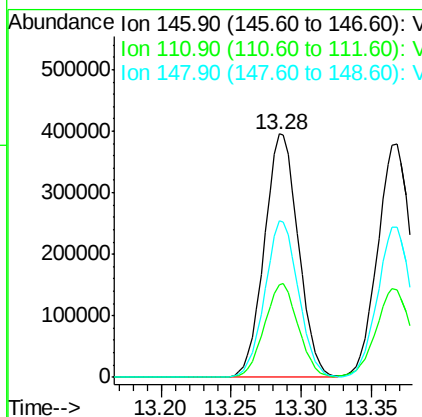
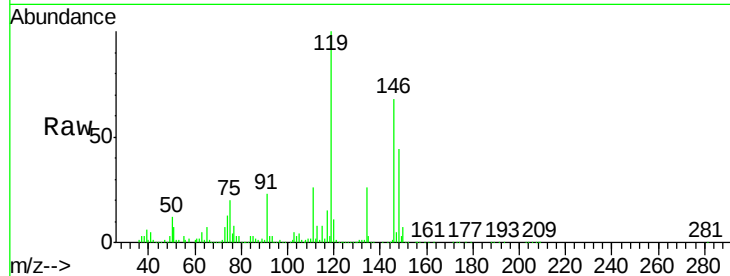
#87
 1,3-Dichlorobenzene
 Concen: 19.13 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.9	59.6
148	63.6	32.1	96.5

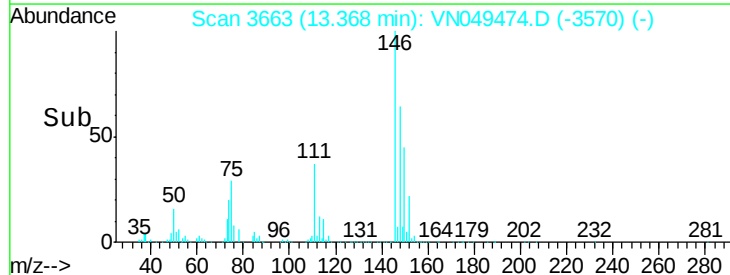
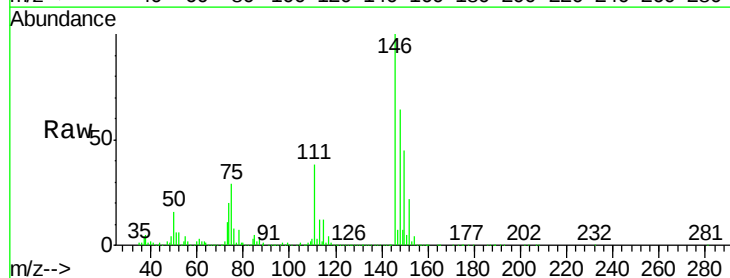
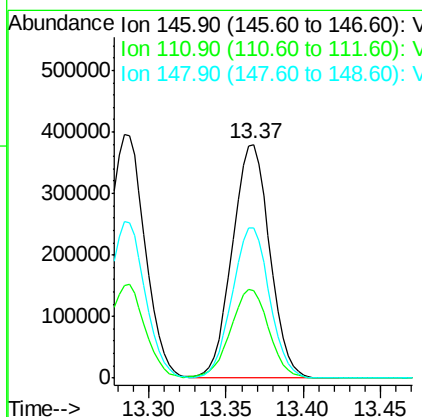
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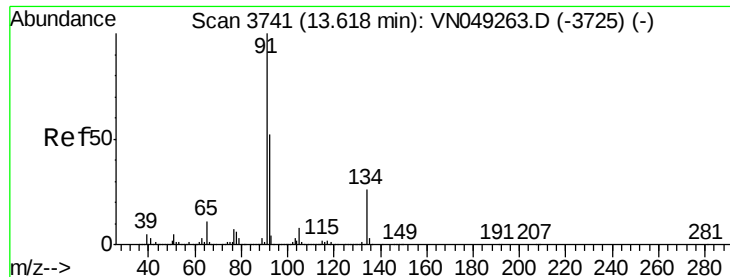
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#88
 1,4-Dichlorobenzene
 Concen: 18.56 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.1
148	64.2	32.0	96.2





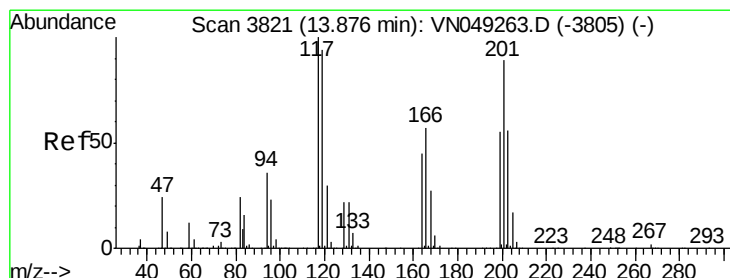
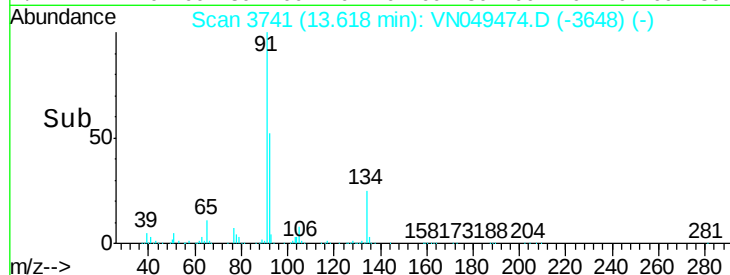
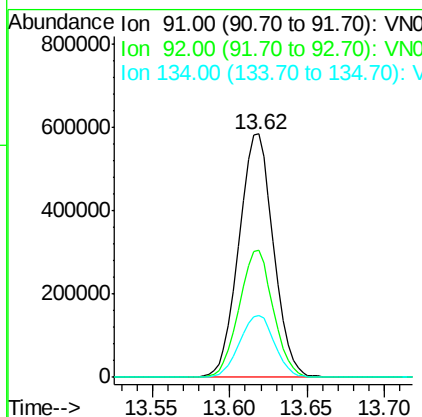
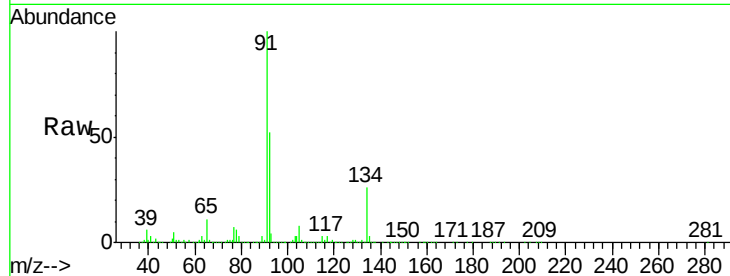
#89
n-Butylbenzene
Concen: 18.68 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.1	75.4
134	25.8	12.0	36.0

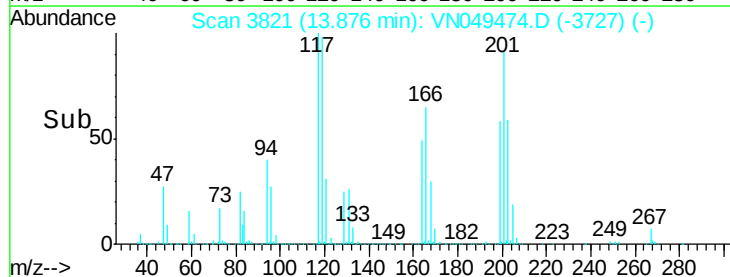
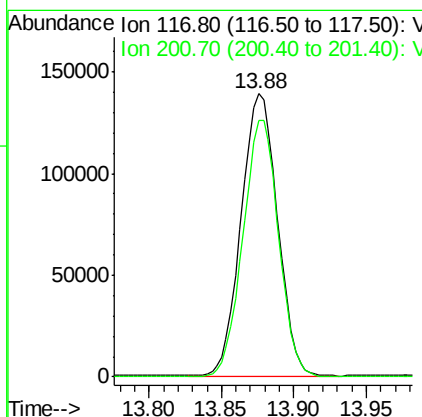
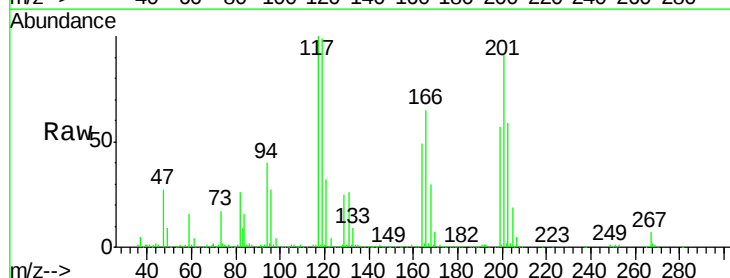
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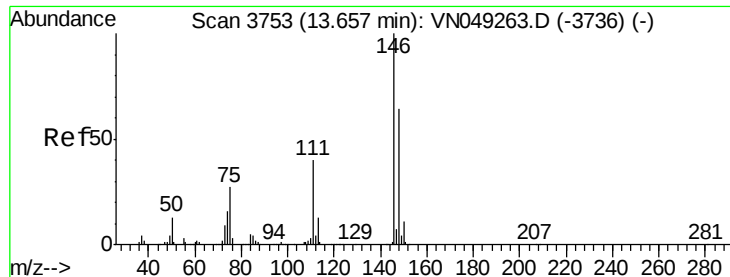
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#90
Hexachloroethane
Concen: 19.70 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049474.D
Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.6	40.1	120.2





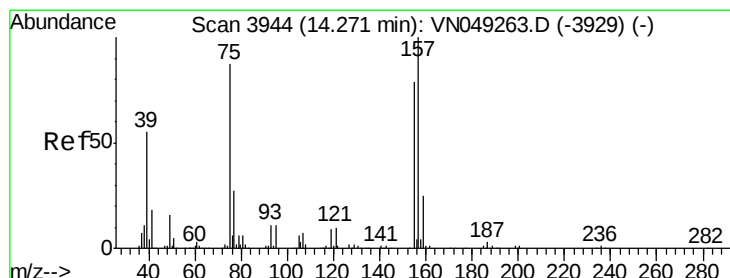
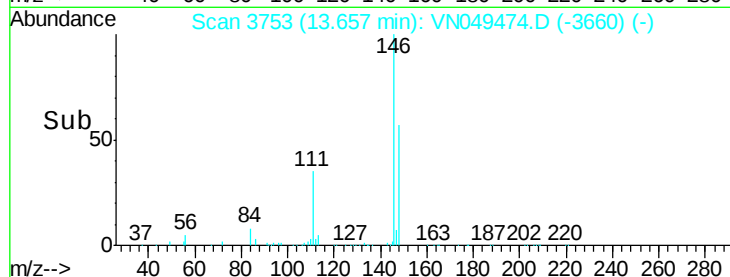
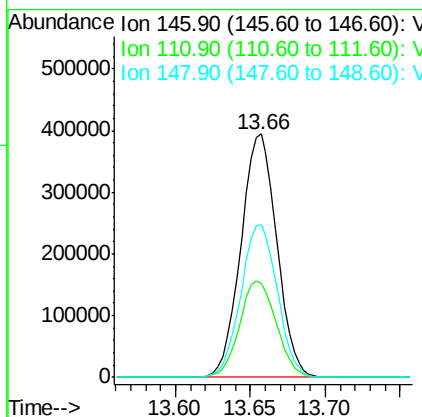
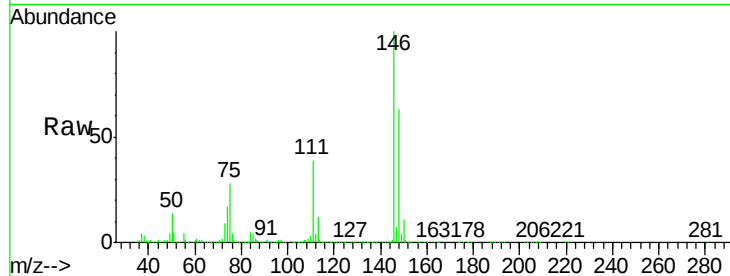
#91
 1,2-Dichlorobenzene
 Concen: 19.41 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0621MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.8	62.2
148	63.9	32.0	96.2

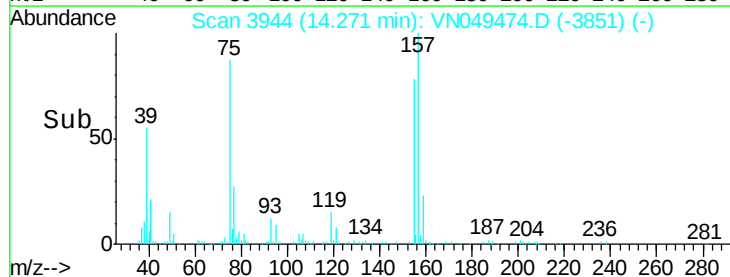
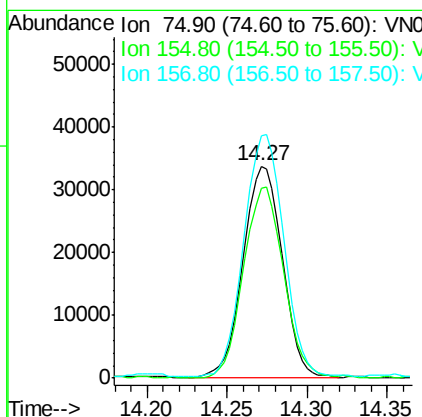
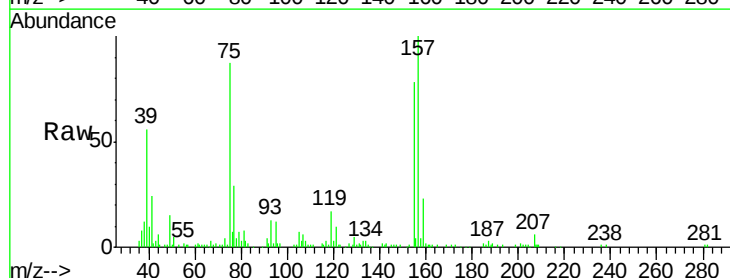
Manual Integrations
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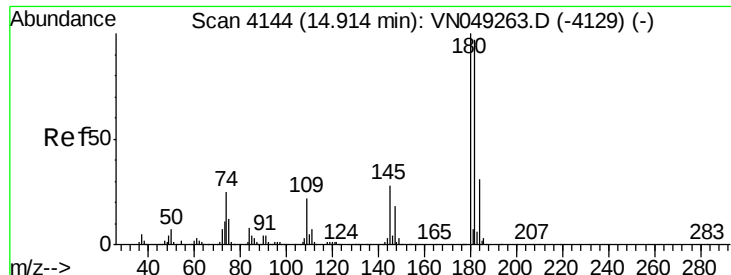
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.48 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.1	38.8	116.3
157	115.9	51.0	153.1





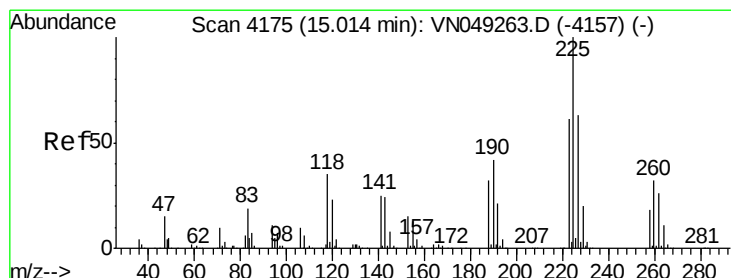
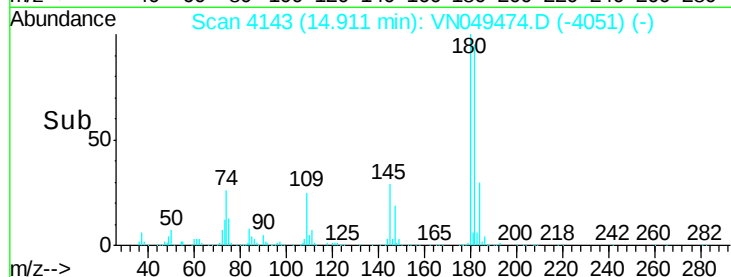
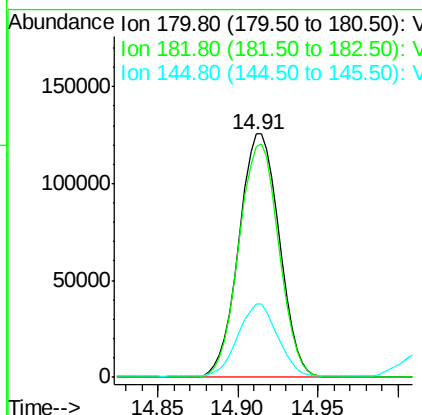
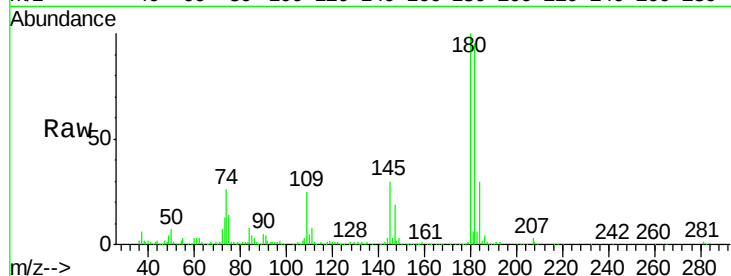
#93
 1,2,4-Trichlorobenzene
 Concen: 17.35 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	216796		
182	94.9	46.9	140.8	
145	28.9	14.7	44.1	

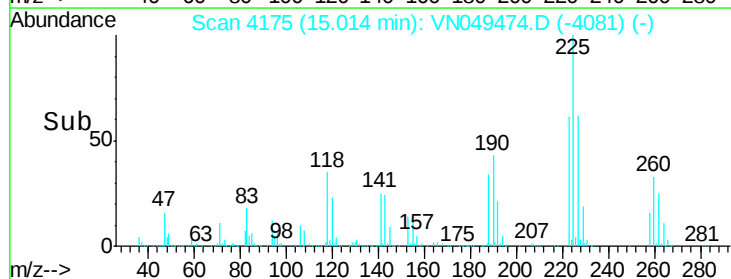
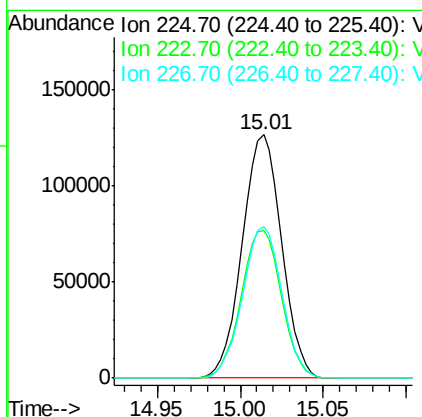
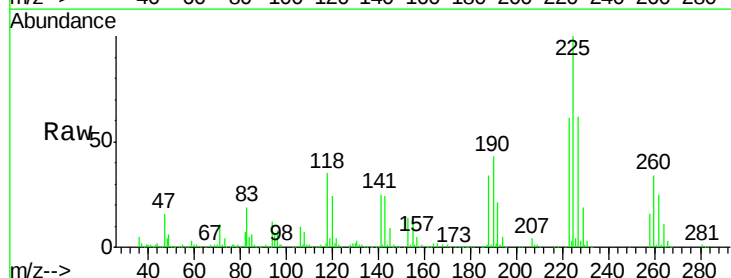
Manual Integrations
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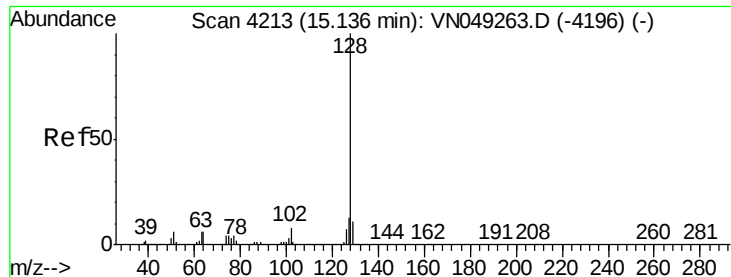
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#94
 Hexachlorobutadiene
 Concen: 19.40 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049474.D
 Acq: 21 Jun 2018 17:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	209222		
223	61.9	32.1	96.3	
227	62.4	31.8	95.3	





#95

Naphthalene

Concen: 20.21 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Instrument :

MSVOA_N

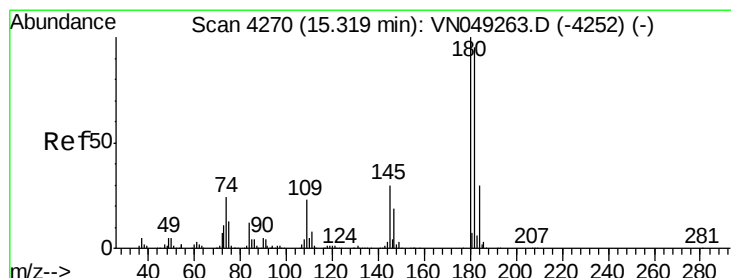
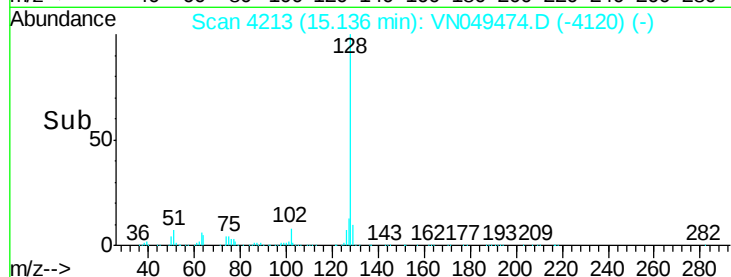
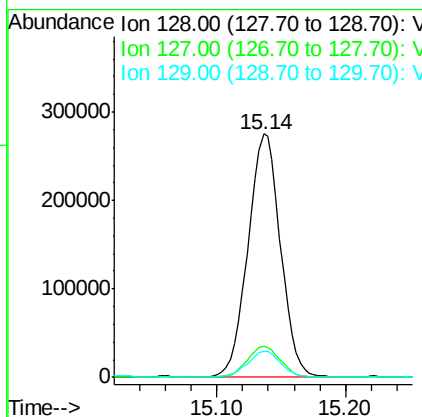
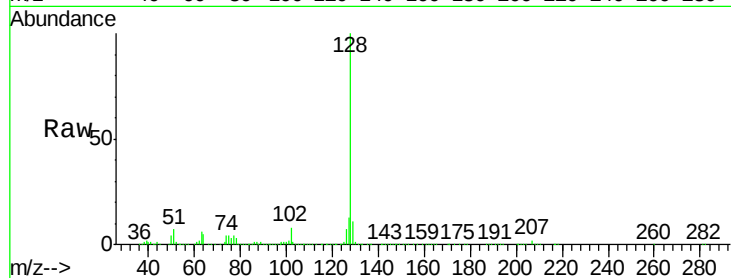
ClientSampled :

VN0621MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		480774		
127	13.1		10.6	16.0	
129	10.9		8.5	12.7	

Manual Integrations
APPROVED

apatel
6/22/2018 1:57:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.31 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049474.D

Acq: 21 Jun 2018 17:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		242726		
182	94.9		47.3	141.8	
145	30.7		15.6	46.7	

