

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049518.D
 Acq On : 25 Jun 2018 18:29
 Operator : MD\SY
 Sample : VN0625WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBSD01

Manual Integrations
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 6/26/2018 5:14:23 PM

Quant Time: Jun 26 02:13:39 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	1581145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2330192	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2099680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1003850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1051009	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	
35) Dibromofluoromethane	7.59	113	928762	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	10.09	98	3507576	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	12.40	95	1146174	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	293169	16.11	ug/l	100
3) Chloromethane	2.06	50	385511	16.40	ug/l	96
4) Vinyl Chloride	2.18	62	420838	16.85	ug/l	97
5) Bromomethane	2.57	94	226081	17.22	ug/l	96
6) Chloroethane	2.70	64	265522	17.83	ug/l	99
7) Trichlorofluoromethane	3.01	101	593783	19.06	ug/l	99
8) Diethyl Ether	3.41	74	210932	19.39	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.75	101	366098	18.53	ug/l	92
10) Methyl Iodide	3.95	142	389587	18.94	ug/l	92
11) Tert butyl alcohol	4.80	59	123940	100.69	ug/l	99
12) 1,1-Dichloroethene	3.73	96	329026	18.15	ug/l	88
13) Acrolein	3.61	56	145961	113.08	ug/l	99
14) Allyl chloride	4.32	41	529368	18.49	ug/l	90
15) Acrylonitrile	4.99	53	605707	98.41	ug/l	98
16) Acetone	3.82	43	488232	95.88	ug/l #	89
17) Carbon Disulfide	4.05	76	934757	16.45	ug/l	99
18) Methyl Acetate	4.33	43	332315	21.40	ug/l	96
19) Methyl tert-butyl Ether	5.05	73	915736	19.81	ug/l	98
20) Methylene Chloride	4.55	84	386077	18.15	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	350434	18.26	ug/l	93
22) Diisopropyl ether	5.96	45	1141484	19.97	ug/l	98
23) Vinyl Acetate	5.90	43	3570975	95.83	ug/l	95
24) 1,1-Dichloroethane	5.85	63	696541	19.04	ug/l	98
25) 2-Butanone	6.84	43	676990	99.02	ug/l	93
26) 2,2-Dichloropropane	6.83	77	573752	19.42	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	403588	18.91	ug/l	91
28) Bromochloromethane	7.19	49	338683	20.88	ug/l #	83
29) Tetrahydrofuran	7.22	42	429577	97.61	ug/l	93
30) Chloroform	7.37	83	704019	19.33	ug/l	99
31) Cyclohexane	7.66	56	592784	19.00	ug/l #	92
32) 1,1,1-Trichloroethane	7.57	97	604888	19.47	ug/l	97
36) 1,1-Dichloropropene	7.79	75	513988	19.25	ug/l	97
37) Ethyl Acetate	6.94	43	304559	20.98	ug/l	99
38) Carbon Tetrachloride	7.77	117	538870	19.49	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	532813	18.59	ug/l	98
40) Benzene	8.04	78	1574178	19.23	ug/l	100
41) Methacrylonitrile	7.18	41	146505m	18.67	ug/l	
42) 1,2-Dichloroethane	8.13	62	488361	19.31	ug/l	97
43) Isopropyl Acetate	8.17	43	559287	20.16	ug/l	96
44) Trichloroethene	8.84	130	427346	19.77	ug/l	92
45) 1,2-Dichloropropane	9.12	63	414387	19.33	ug/l	99
46) Dibromomethane	9.21	93	242734	19.53	ug/l	90
47) Bromodichloromethane	9.40	83	534287	19.56	ug/l	96
48) Methyl methacrylate	9.20	41	267602	20.49	ug/l	87
49) 1,4-Dioxane	9.20	88	70651	391.87	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1487390	102.31	ug/l	95
52) Toluene	10.16	92	966613	20.11	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	501086	19.18	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	601090	19.48	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	352620	19.68	ug/l	97
56) Ethyl methacrylate	10.43	69	402792	19.49	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	584689	19.70	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	566737	86.63	ug/l	96
59) 2-Hexanone	10.75	43	953554	101.73	ug/l	93
60) Dibromochloromethane	10.90	129	394000	19.71	ug/l	98
61) 1,2-Dibromoethane	11.01	107	328422	19.72	ug/l	98
64) Tetrachloroethene	10.63	164	477448	22.19	ug/l	97
65) Chlorobenzene	11.44	112	1048239	19.38	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	393994	19.36	ug/l	99
67) Ethyl Benzene	11.51	91	1761348	19.63	ug/l	98
68) m/p-Xylenes	11.63	106	1347774	40.03	ug/l	98
69) o-Xylene	11.95	106	646990	19.95	ug/l	96
70) Styrene	11.97	104	1014611	19.83	ug/l	98
71) Bromoform	12.13	173	261587	19.85	ug/l	100
73) Isopropylbenzene	12.25	105	1720747	19.52	ug/l	98
74) N-amyl acetate	12.07	43	408800	18.94	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	387499	20.03	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	359097m	20.97	ug/l	
77) Bromobenzene	12.53	156	435993	18.73	ug/l	91
78) n-propylbenzene	12.59	91	1907391	19.71	ug/l	98
79) 2-Chlorotoluene	12.68	91	1180014	19.24	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1406159	20.30	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	98751	18.22	ug/l	95
82) 4-Chlorotoluene	12.78	91	1162044	19.64	ug/l	97
83) tert-Butylbenzene	12.99	119	1176199	19.16	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1394570	20.26	ug/l	99
85) sec-Butylbenzene	13.17	105	1581107	19.35	ug/l	98
86) p-Isopropyltoluene	13.29	119	1337144	19.59	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	732096	19.11	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	703165	18.52	ug/l	100
89) n-Butylbenzene	13.62	91	946870	17.76	ug/l	98
90) Hexachloroethane	13.88	117	272292	20.06	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	713426	18.99	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	53705	17.50	ug/l	81

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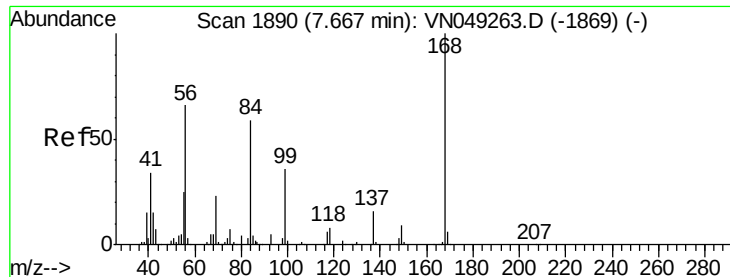
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	218345	16.22	ug/l	97
94) Hexachlorobutadiene	15.01	225	225248	18.80	ug/l	99
95) Naphthalene	15.14	128	426642	16.77	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	241682	16.82	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampled :

VN0625WBSD01

Tot Ion:168 Resp: 1581145

Ion Ratio Lower Upper

168 100

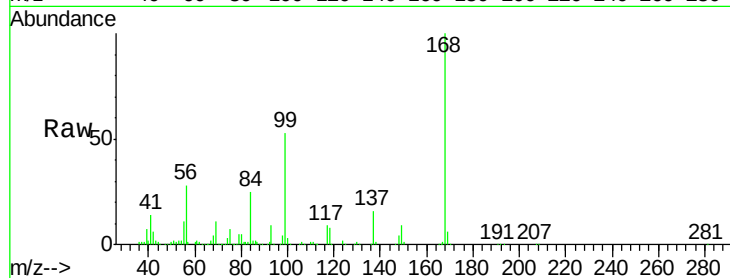
99 52.5 45.8 68.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

600000

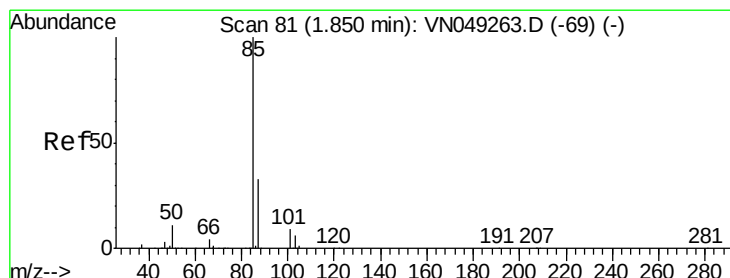
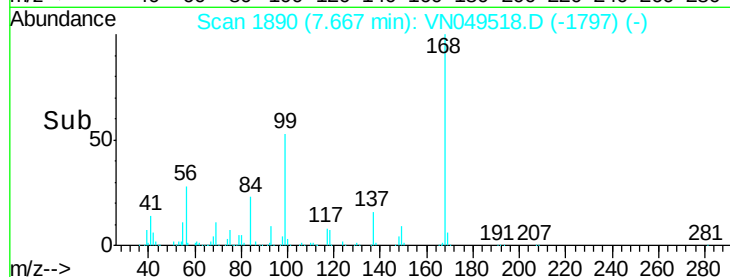
400000

200000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 16.11 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049518.D

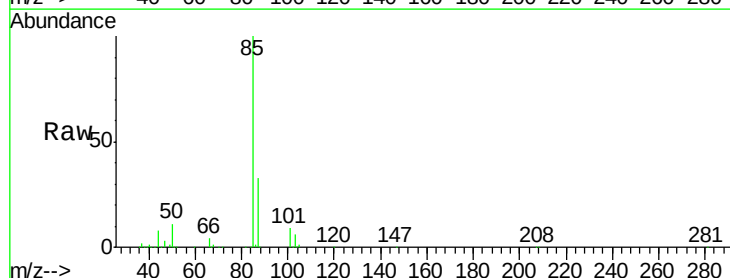
Acq: 25 Jun 2018 18:29

Tgt Ion: 85 Resp: 293169

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

250000

200000

150000

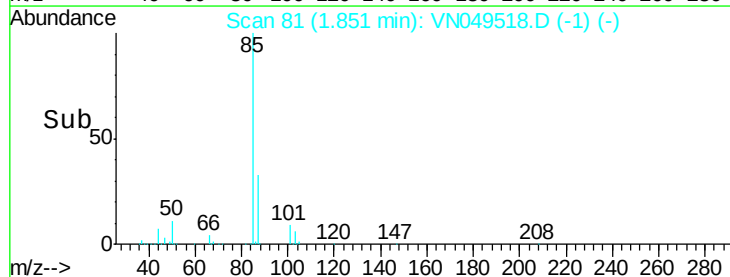
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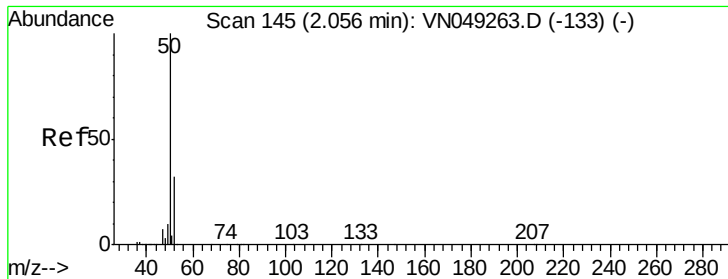
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 16.40 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 50 Resp: 385511

Ion Ratio Lower Upper

50 100

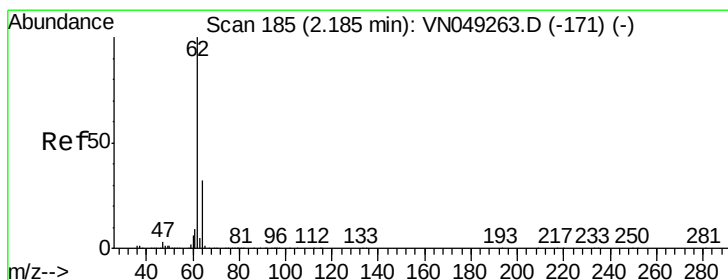
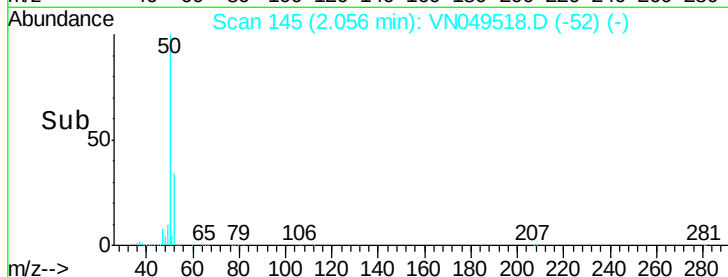
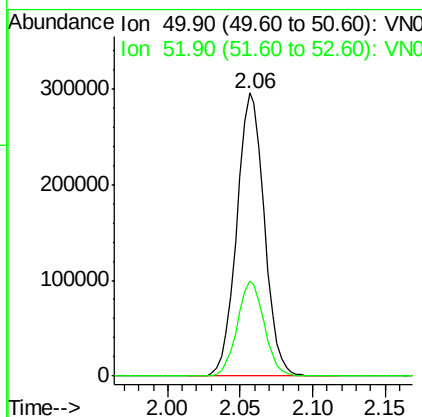
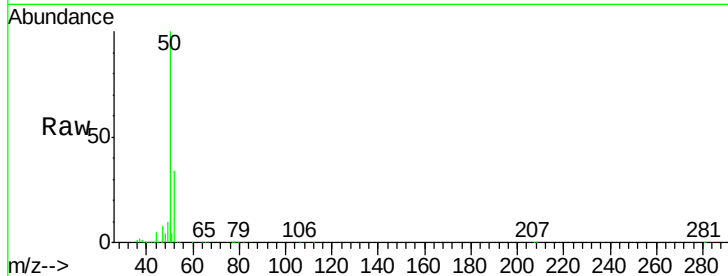
52 33.5 25.2 37.8

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#4

Vinyl Chloride

Concen: 16.85 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049518.D

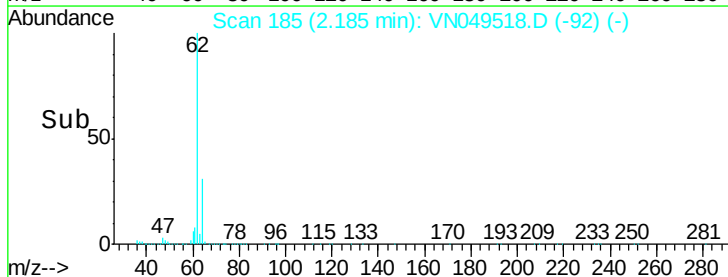
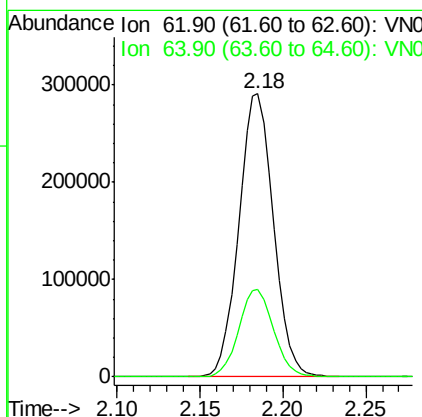
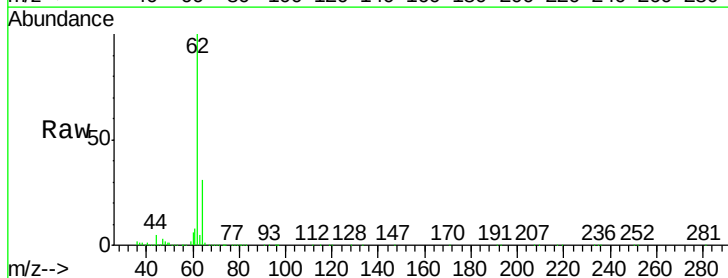
Acq: 25 Jun 2018 18:29

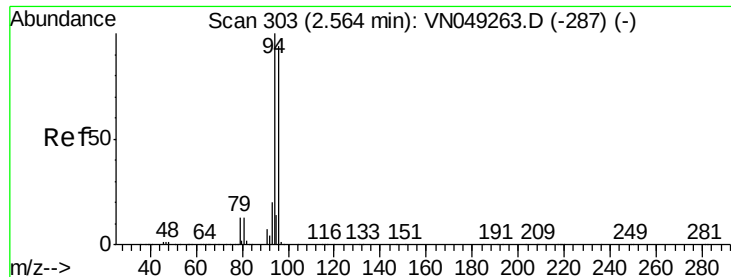
Tgt Ion: 62 Resp: 420838

Ion Ratio Lower Upper

62 100

64 30.6 25.7 38.5





#5

Bromomethane

Concen: 17.22 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampled :

VN0625WBSD01

Tot Ion: 94 Resp: 226081

Ion Ratio Lower Upper

94 100

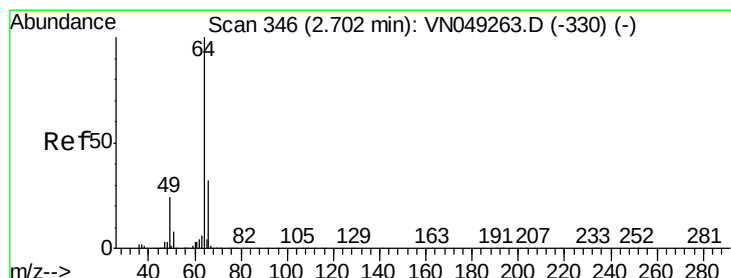
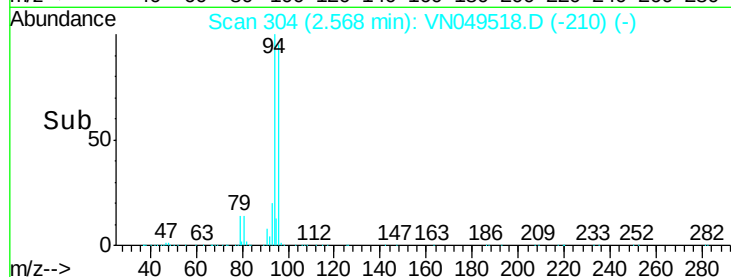
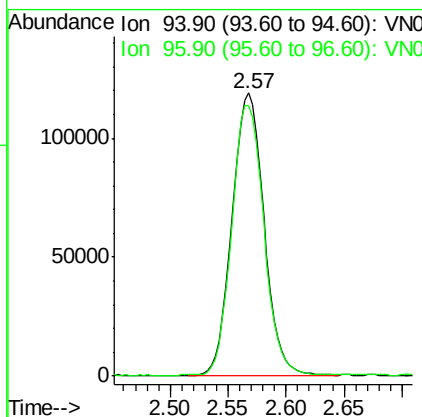
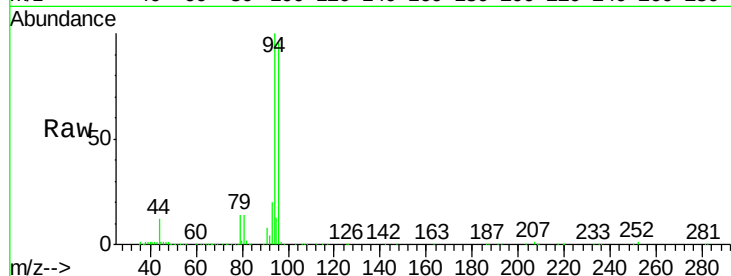
96 95.3 72.8 109.2

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#6

Chloroethane

Concen: 17.83 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049518.D

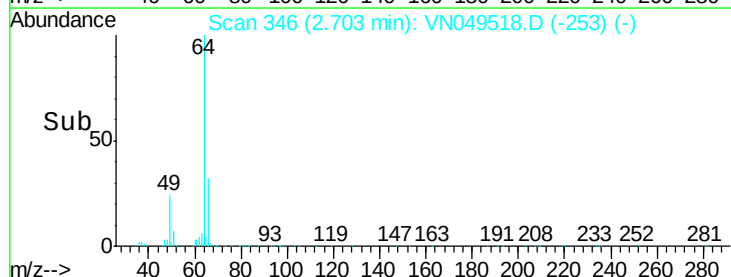
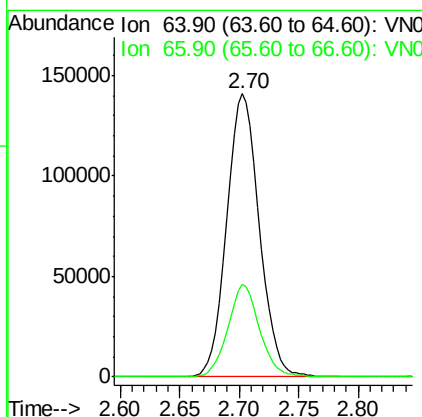
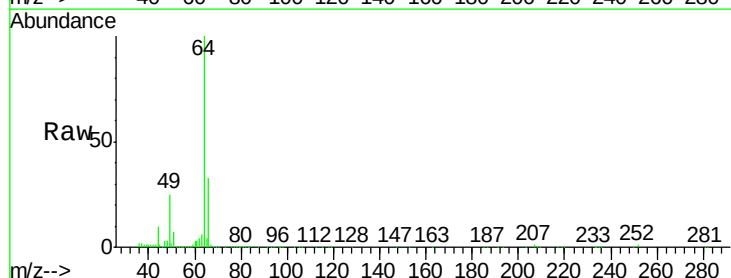
Acq: 25 Jun 2018 18:29

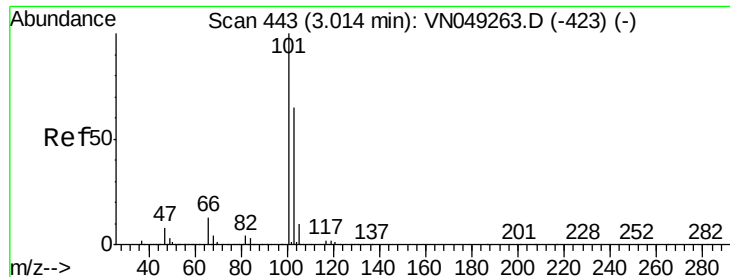
Tgt Ion: 64 Resp: 265522

Ion Ratio Lower Upper

64 100

66 32.3 25.6 38.4





#7

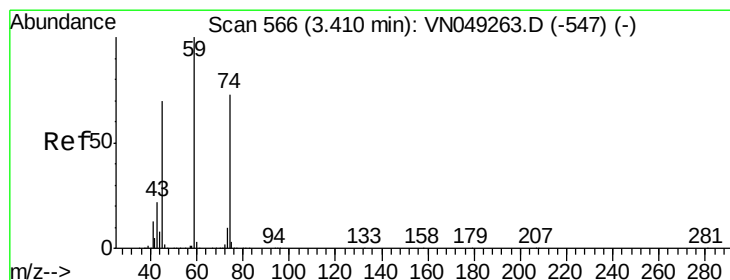
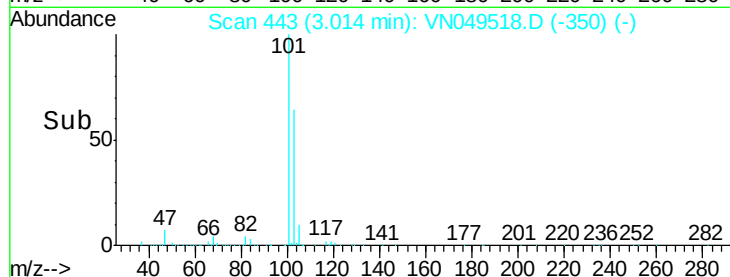
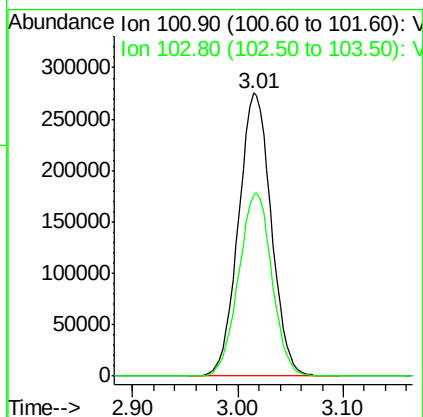
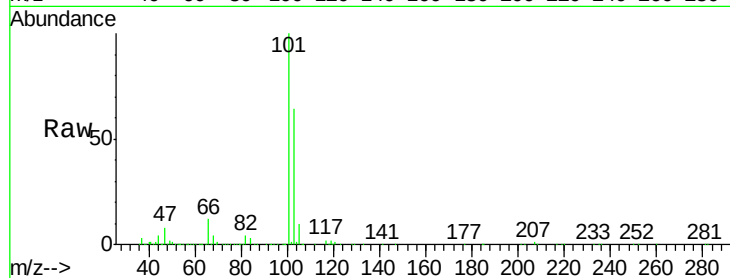
Trichlorofluoromethane
Concen: 19.06 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Instrument :
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ClientSampleId :
VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.7	77.5

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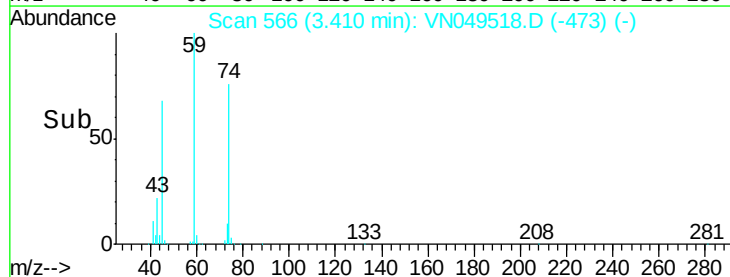
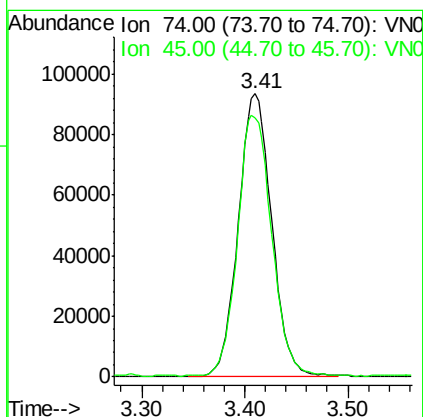
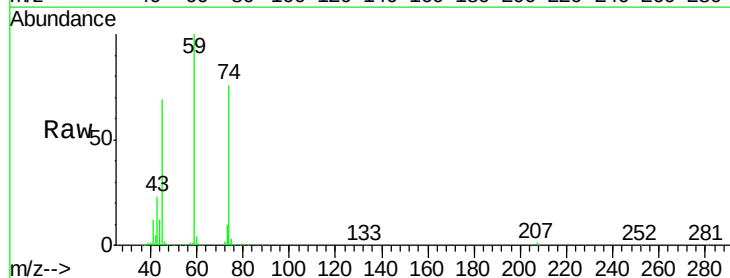
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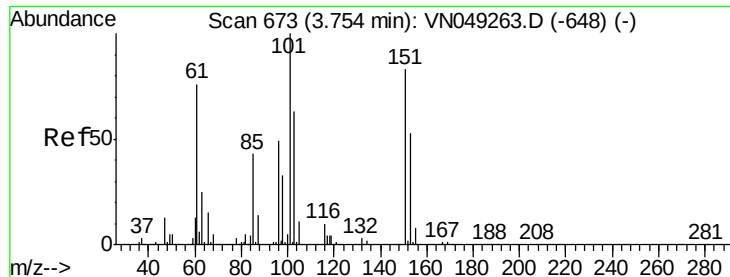


#8

Diethyl Ether
Concen: 19.39 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.53 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

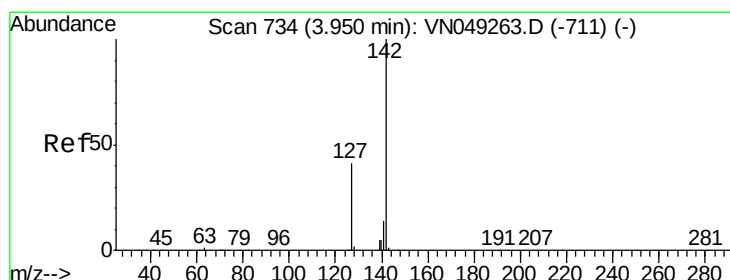
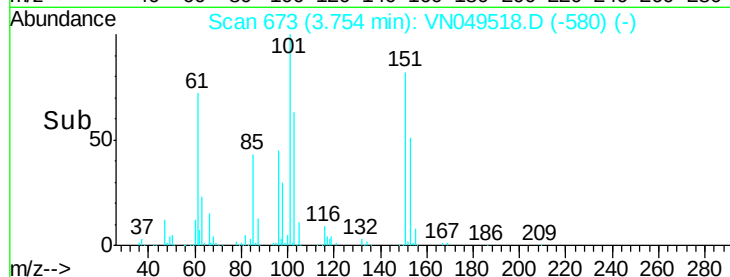
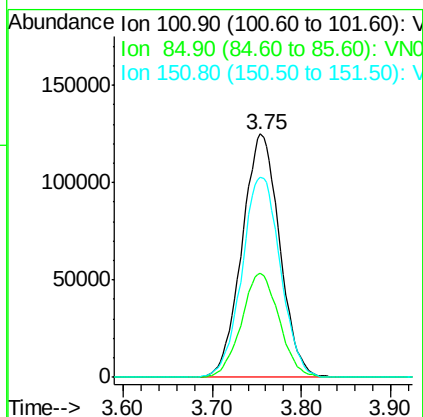
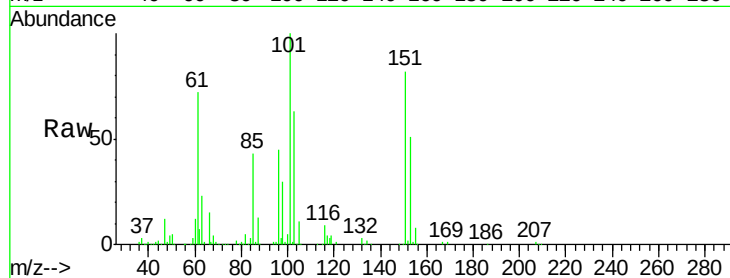
ClientSampleId :

VN0625WBSD01

Tot Ion:	101	Resp:	366098
Ion Ratio	Lower	Upper	
101	100		
85	42.9	37.6	56.4
151	84.1	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 18.94 ug/l

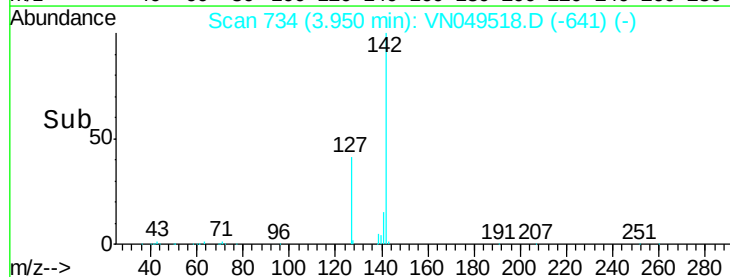
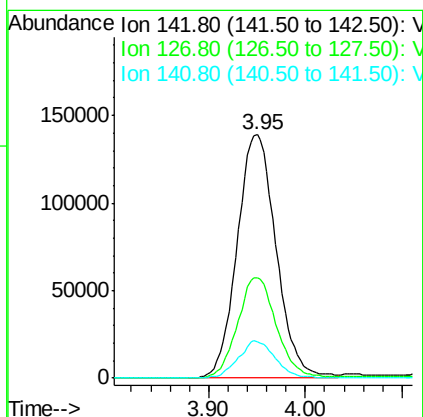
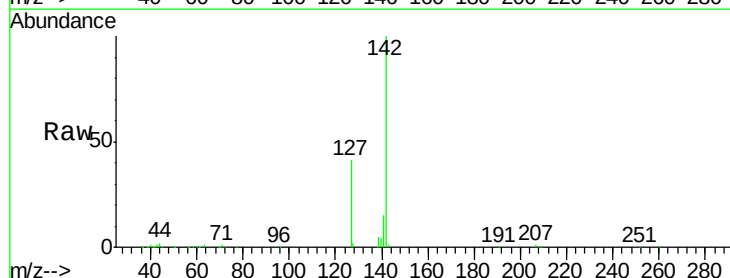
RT: 3.95 min Scan# 734

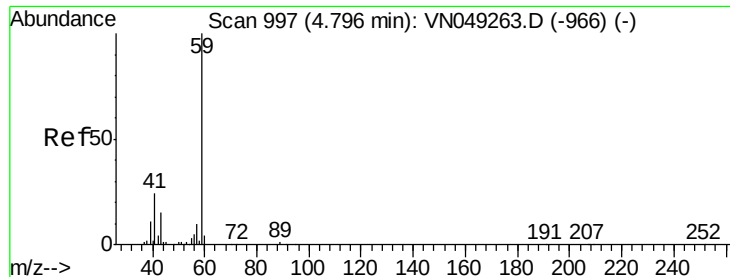
Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	142	Resp:	389587
Ion Ratio	Lower	Upper	
142	100		
127	41.3	38.2	57.4
141	14.5	11.9	17.9





#11

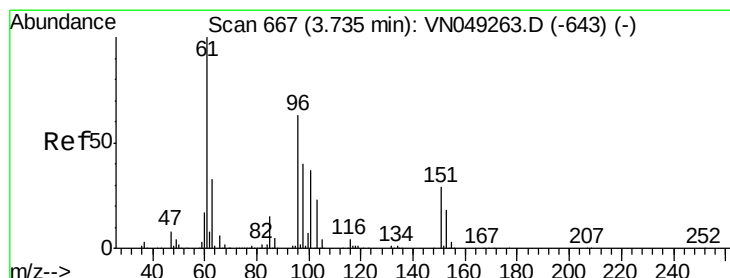
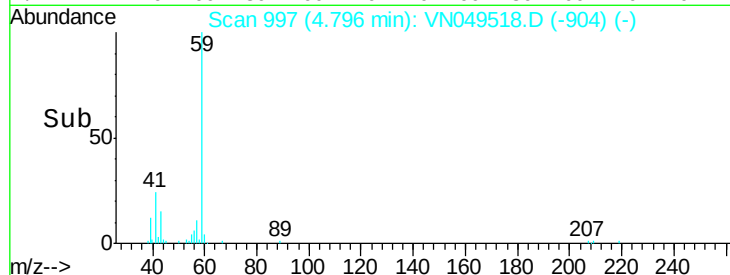
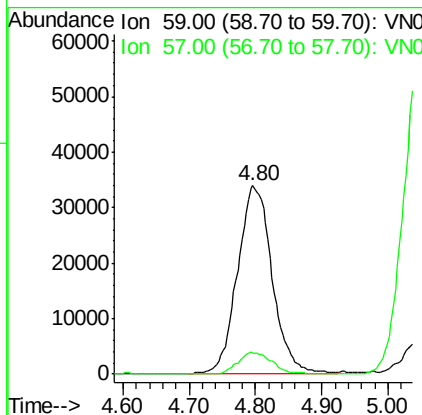
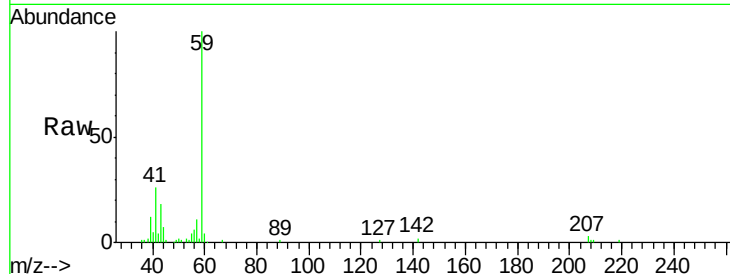
Tert butyl alcohol
Concen: 100.69 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.6

Manual Integrations
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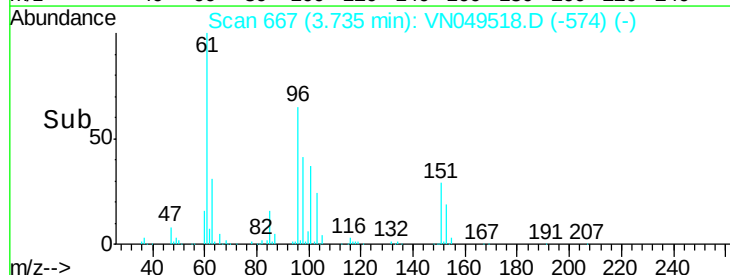
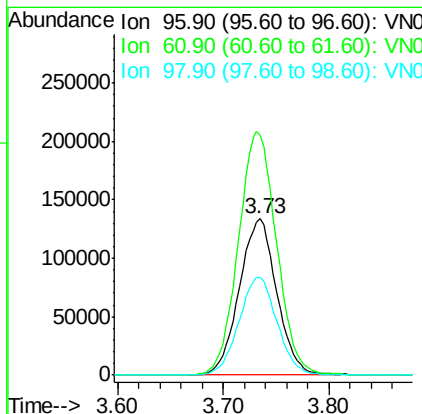
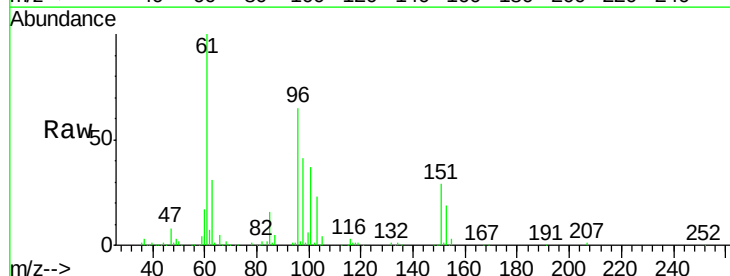
apatel
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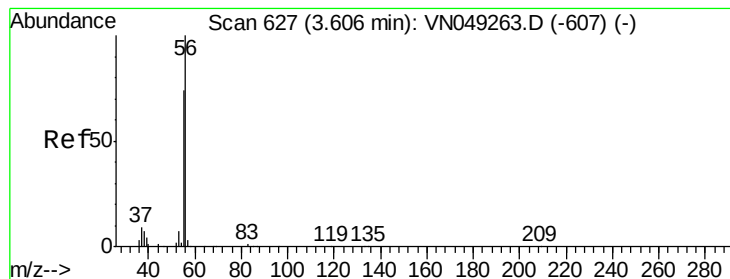


#12

1,1-Dichloroethene
Concen: 18.15 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	141.0	211.4
98	62.5	50.4	75.6





#13

Acrolein

Concen: 113.08 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 56 Resp: 145961

Ion Ratio Lower Upper

56 100

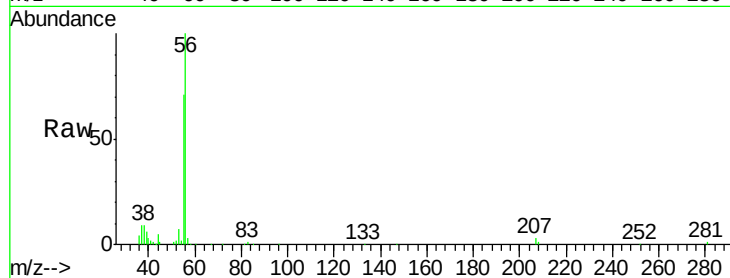
55 72.2 57.1 85.7

Manual Integrations

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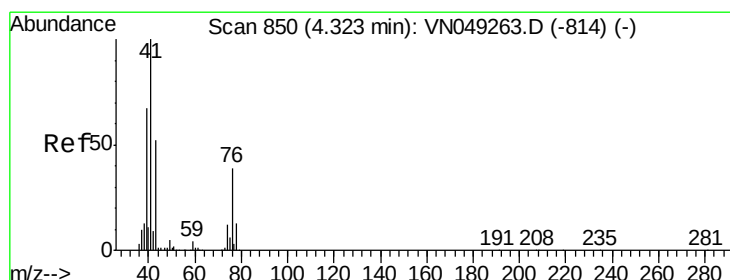
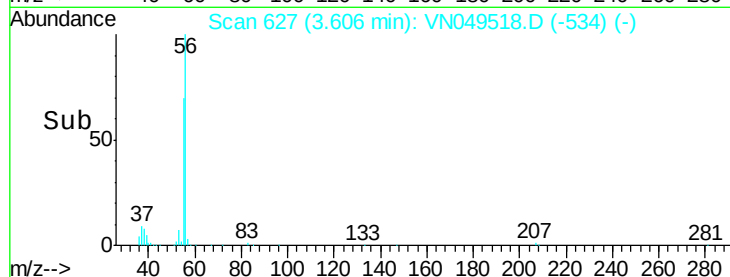
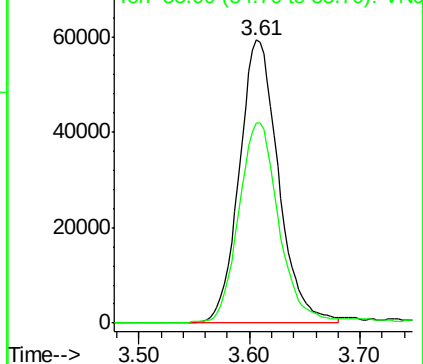
apatel

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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: 18.49 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

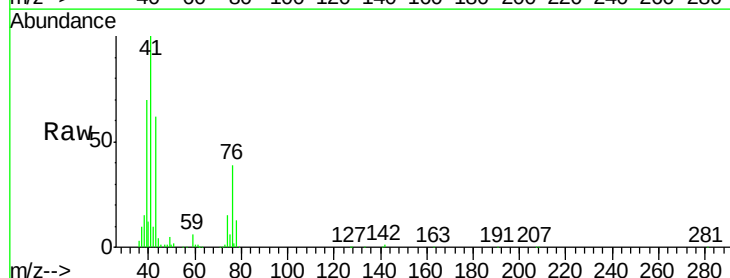
Tgt Ion: 41 Resp: 529368

Ion Ratio Lower Upper

41 100

39 67.3 62.5 93.7

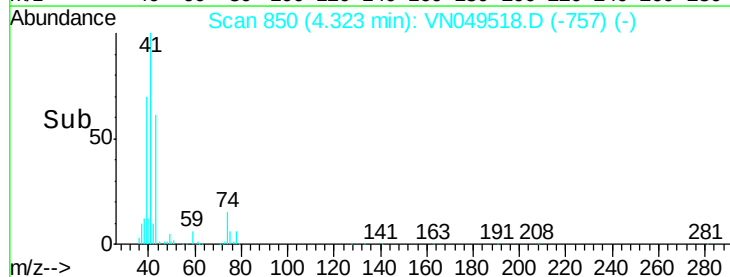
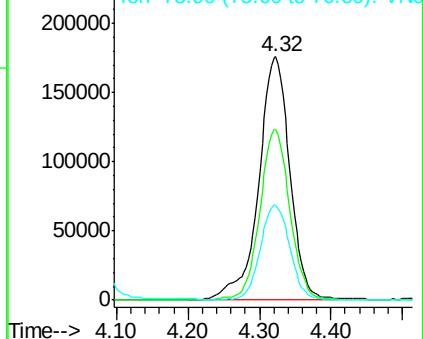
76 36.8 27.1 40.7

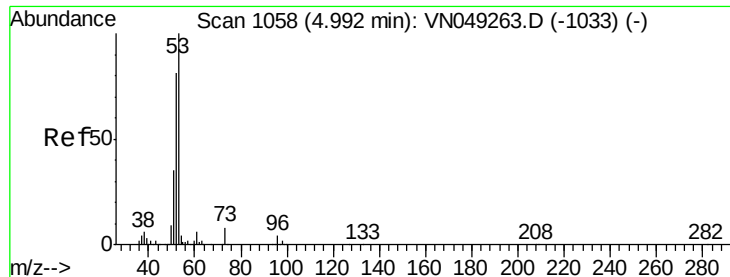


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.41 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

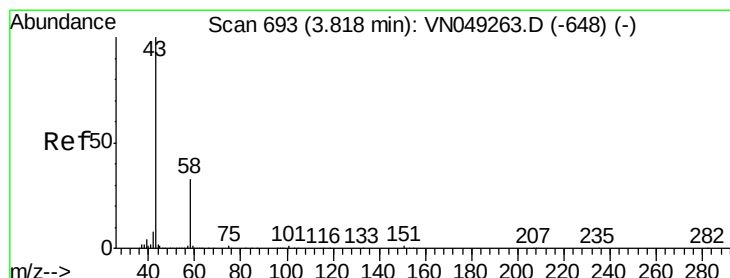
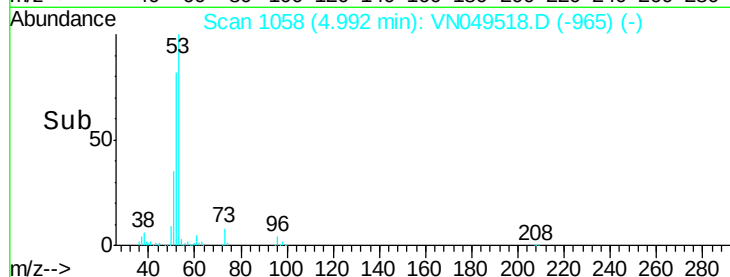
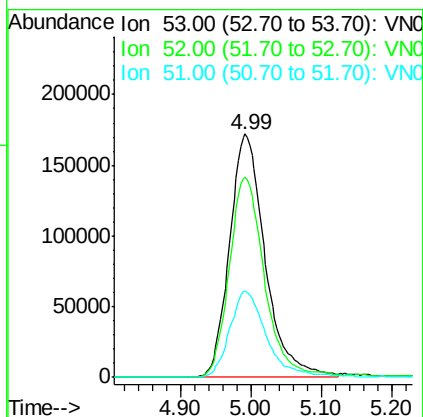
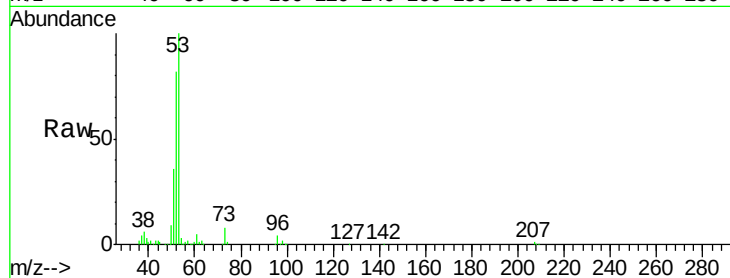
ClientSampleId :

VN0625WBSD01

Tot Ion:	53	Resp:	605707
Ion Ratio		Lower	Upper
53	100		
52	81.5	66.6	100.0
51	36.6	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 95.88 ug/l

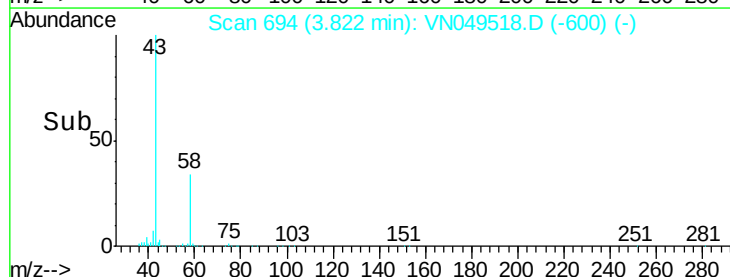
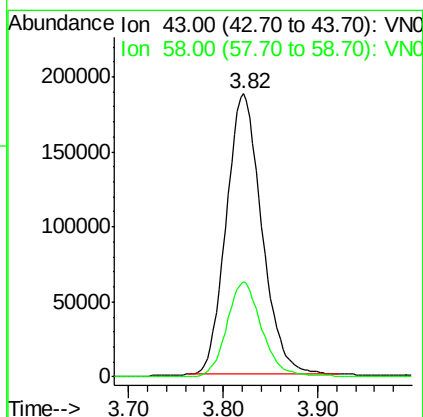
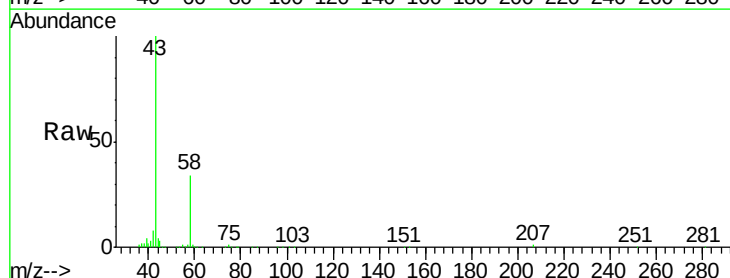
RT: 3.82 min Scan# 694

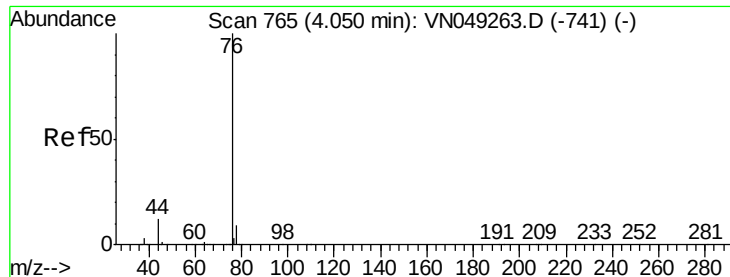
Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	43	Resp:	488232
Ion Ratio		Lower	Upper
43	100		
58	33.9	22.4	33.6





#17

Carbon Disulfide

Concen: 16.45 ug/l

RT: 4.05 min Scan# 764

Delta R.T. -0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 76 Resp: 934757

Ion Ratio Lower Upper

76 100

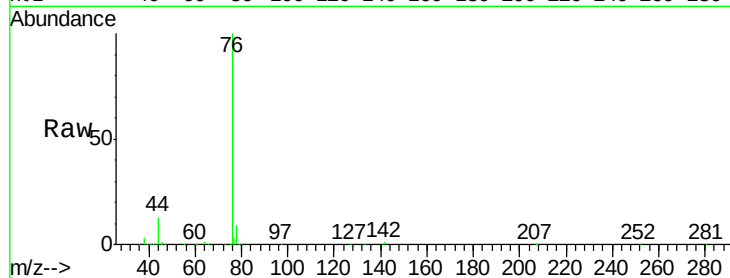
78 8.9 7.4 11.0

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

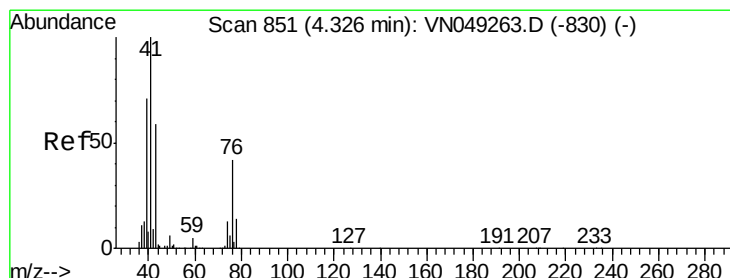
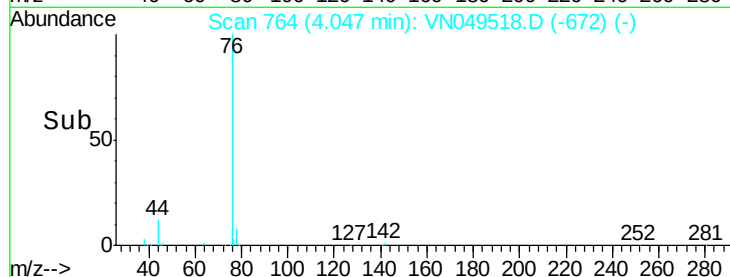
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 21.40 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049518.D

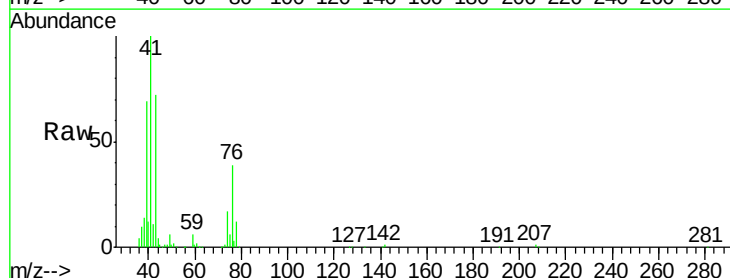
Acq: 25 Jun 2018 18:29

Tgt Ion: 43 Resp: 332315

Ion Ratio Lower Upper

43 100

74 23.8 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

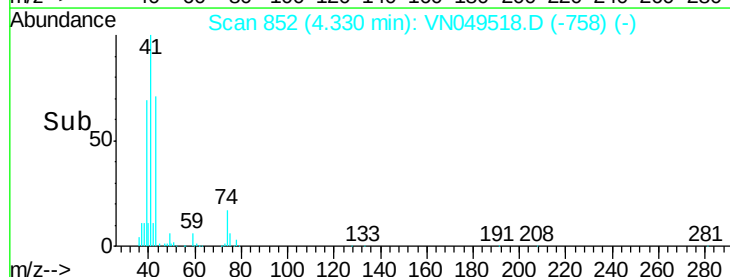
4.33

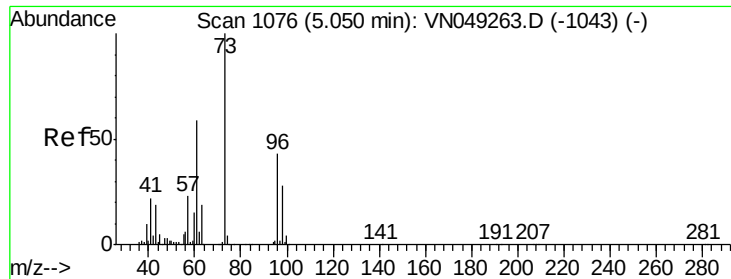
100000

50000

0

Time-->





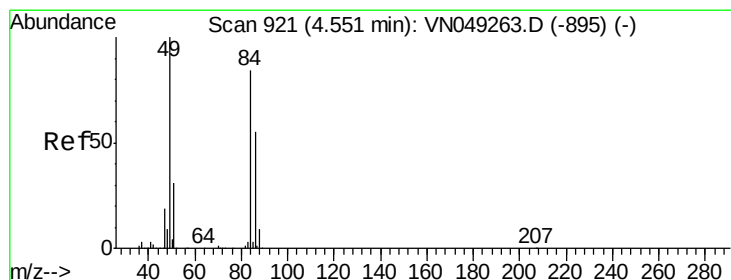
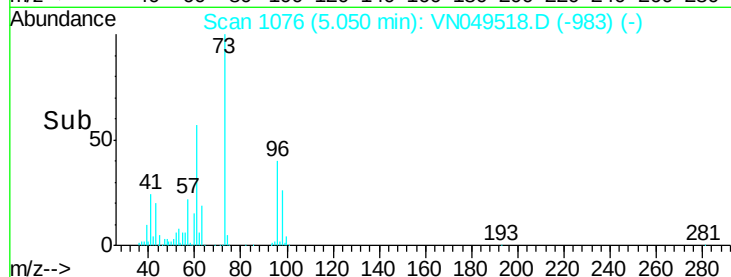
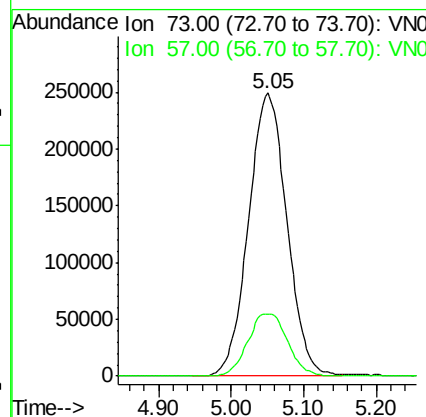
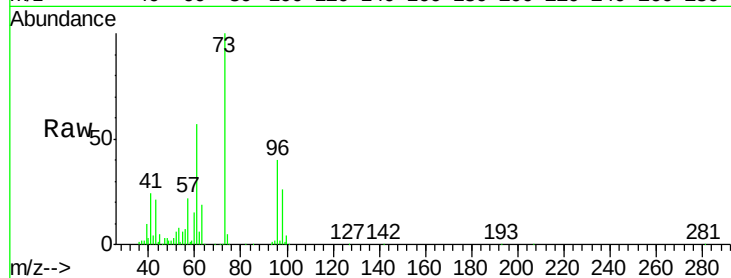
#19
Methyl tert-butyl Ether
Concen: 19.81 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBSD01

Tot Ion: 73 Resp: 915736
Ion Ratio Lower Upper
73 100
57 21.7 18.2 27.4

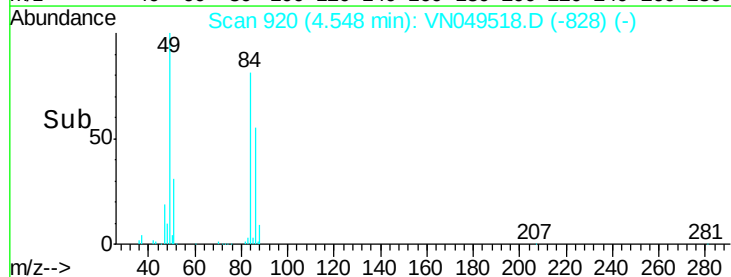
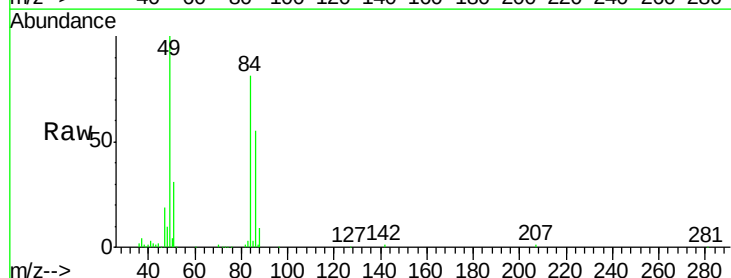
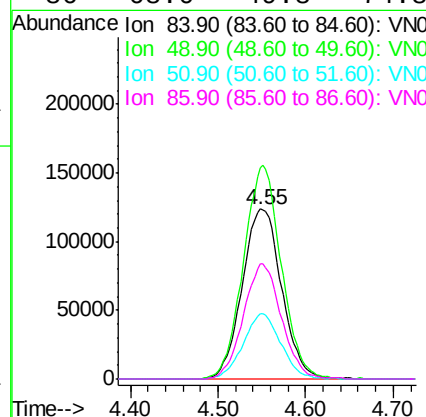
Manual Integrations
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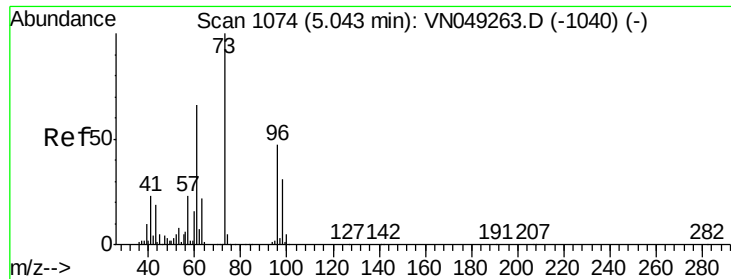
apatel
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#20
Methylene Chloride
Concen: 18.15 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Tgt Ion: 84 Resp: 386077
Ion Ratio Lower Upper
84 100
49 124.1 106.9 160.3
51 38.4 32.7 49.1
86 68.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.26 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

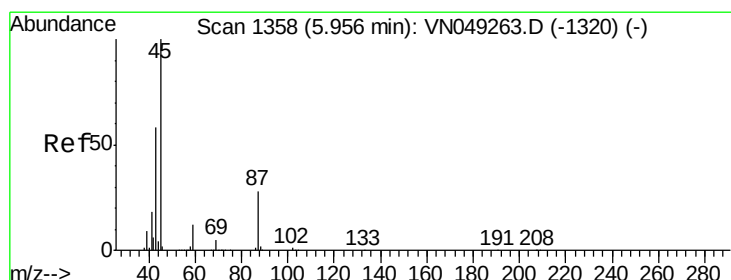
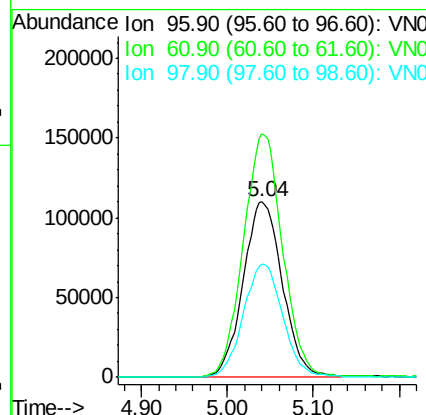
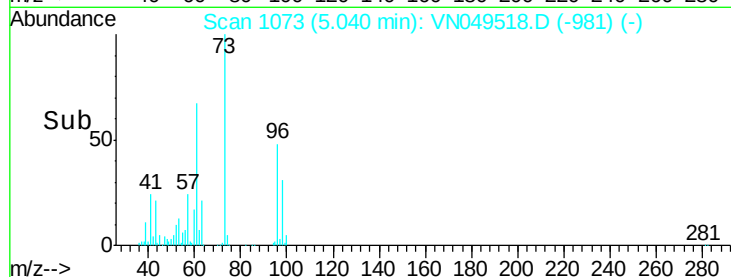
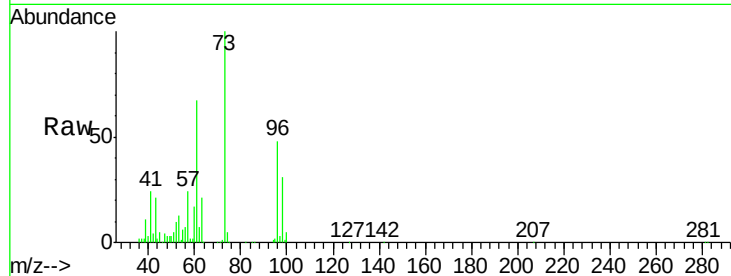
ClientSampleId :

VN0625WBSD01

Tot Ion:	96	Resp:	350434
Ion	Ratio	Lower	Upper
96	100		
61	138.7	121.3	181.9
98	64.3	52.0	78.0

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#22

Diisopropyl ether

Concen: 19.97 ug/l

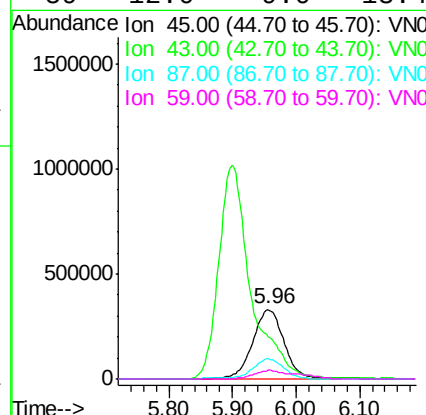
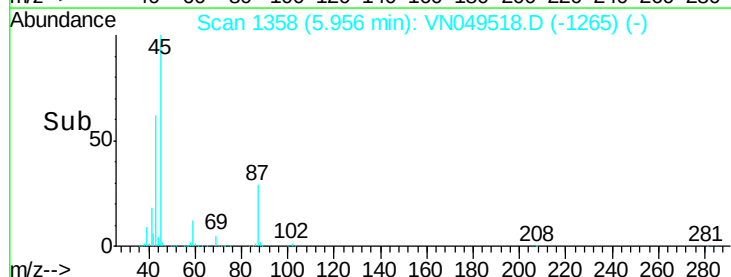
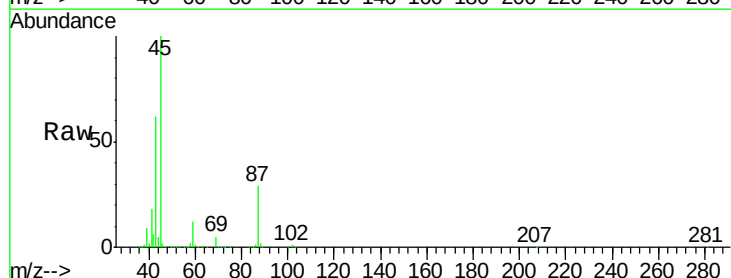
RT: 5.96 min Scan# 1358

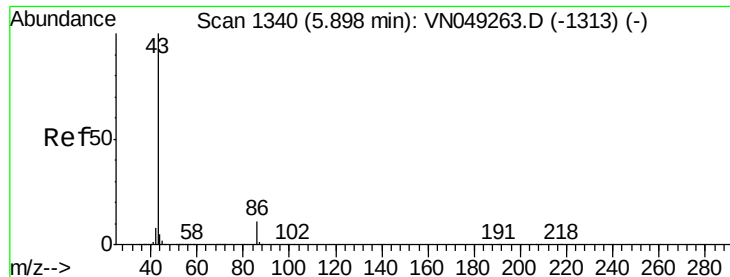
Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	45	Resp:	1141484
Ion	Ratio	Lower	Upper
45	100		
43	60.7	48.6	72.8
87	28.8	20.2	30.2
59	12.0	9.0	13.4





#23

Vinyl Acetate

Concen: 95.83 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampled :

VN0625WBSD01

Tot Ion: 43 Resp: 3570975

Ion Ratio Lower Upper

43 100

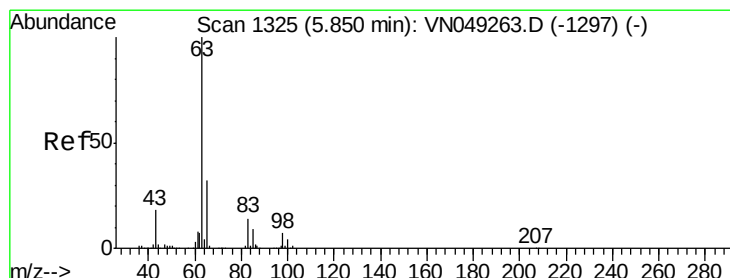
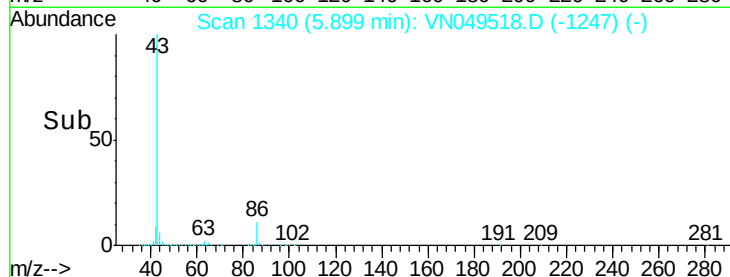
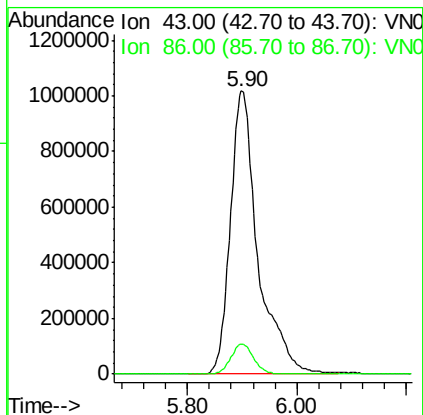
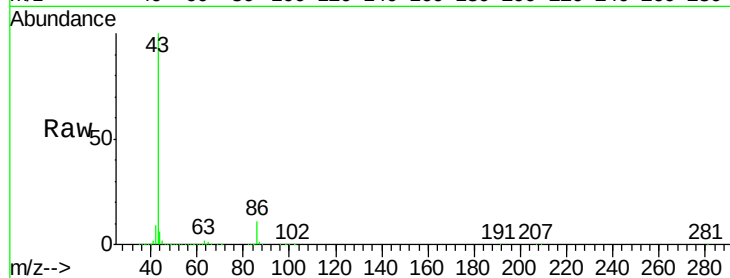
86 10.8 7.2 10.8

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#24

1,1-Dichloroethane

Concen: 19.04 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

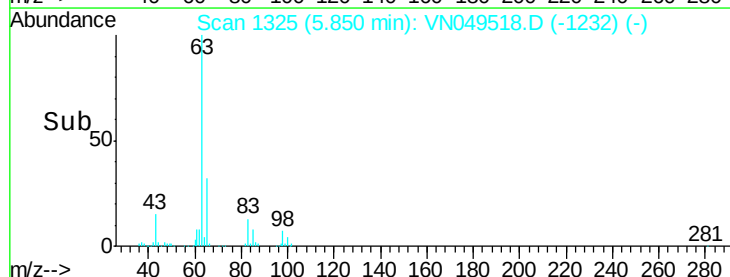
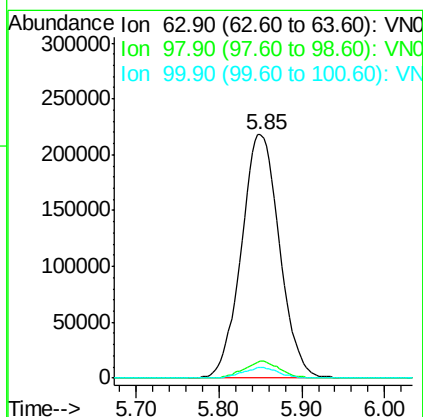
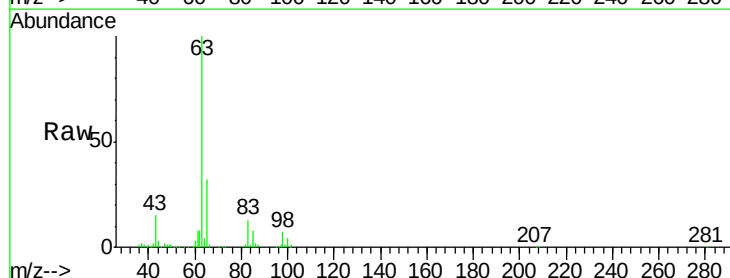
Tgt Ion: 63 Resp: 696541

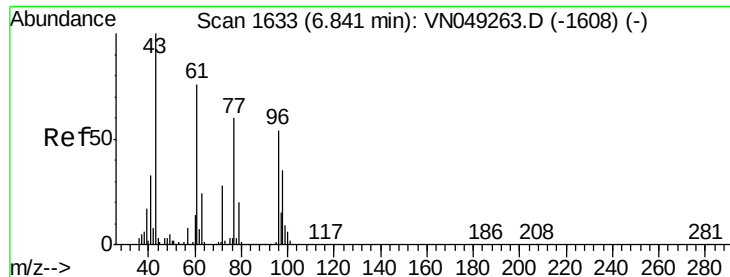
Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.8

100 4.3 2.1 6.3





#25

2-Butanone

Concen: 99.02 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampled :

VN0625WBSD01

Tot Ion: 43 Resp: 676990

Ion Ratio Lower Upper

43 100

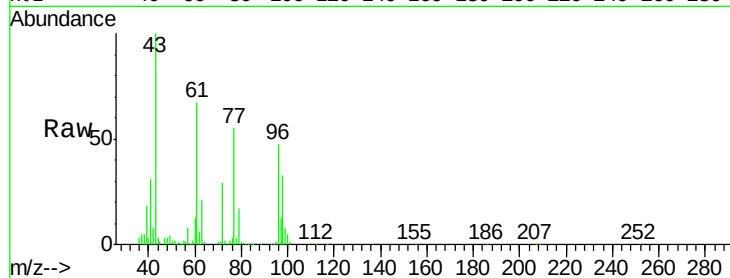
72 28.6 20.2 30.2

Manual Integrations

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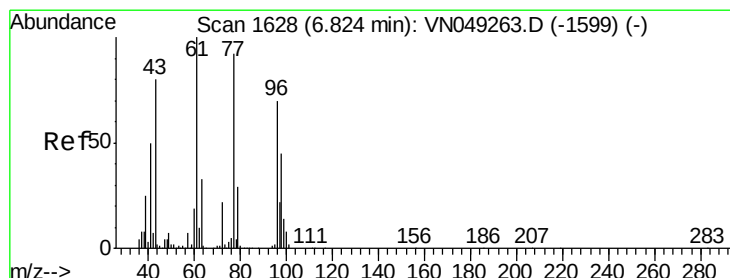
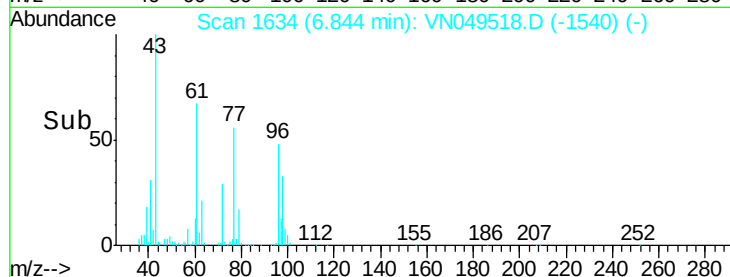
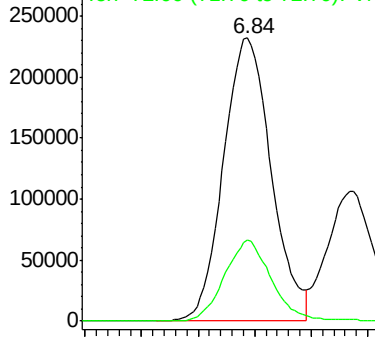
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.42 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049518.D

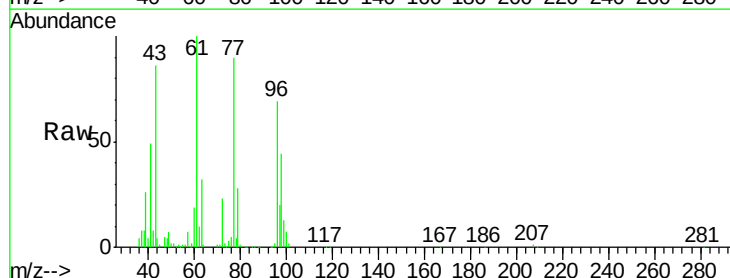
Acq: 25 Jun 2018 18:29

Tgt Ion: 77 Resp: 573752

Ion Ratio Lower Upper

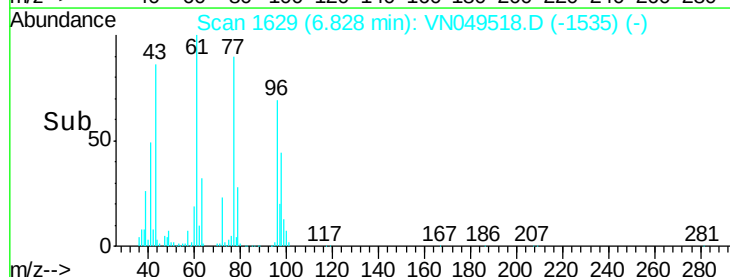
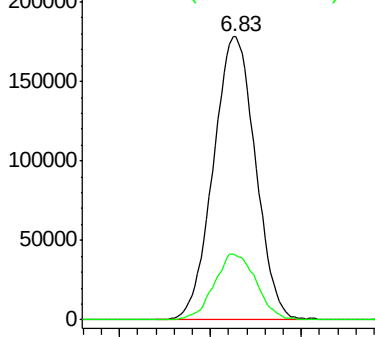
77 100

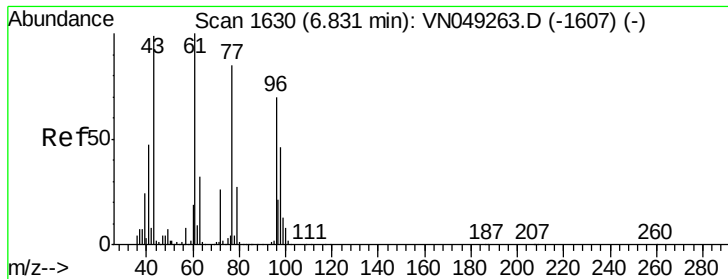
97 23.2 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 18.91 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

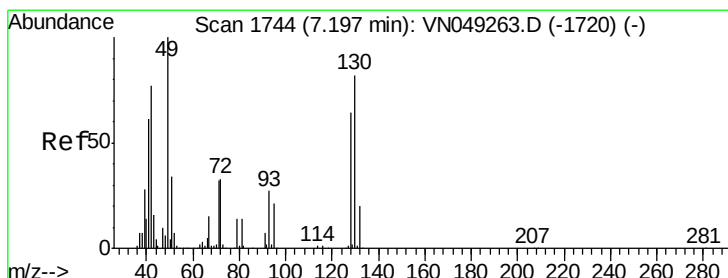
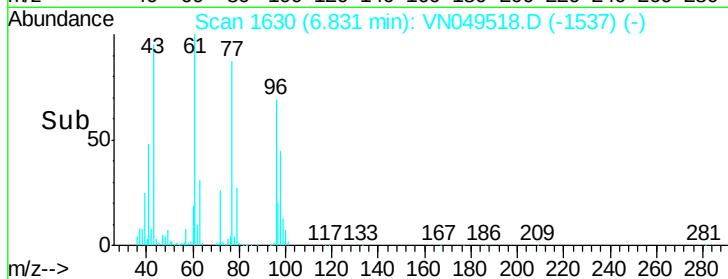
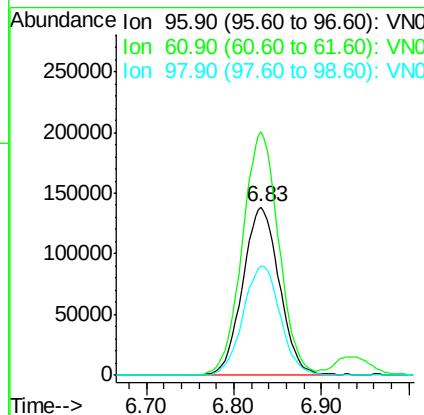
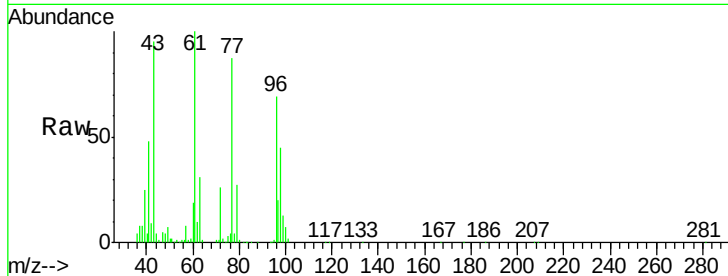
ClientSampleId :

VN0625WBSD01

Tot Ion:	96	Resp:	403588
Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	316.4
98	65.7	0.0	128.4

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#28

Bromochloromethane

Concen: 20.88 ug/l

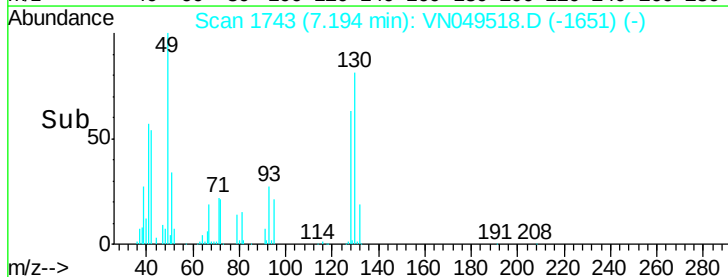
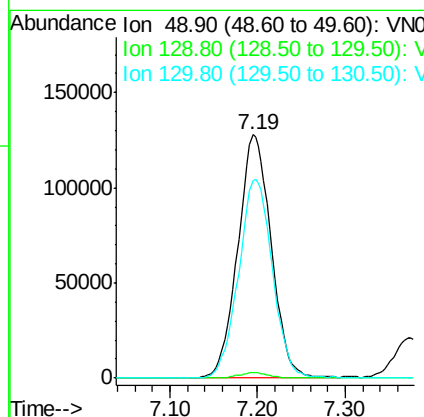
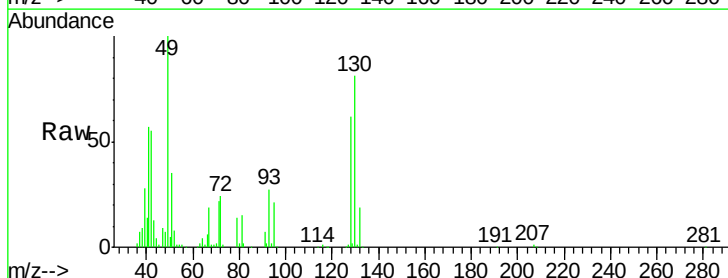
RT: 7.19 min Scan# 1743

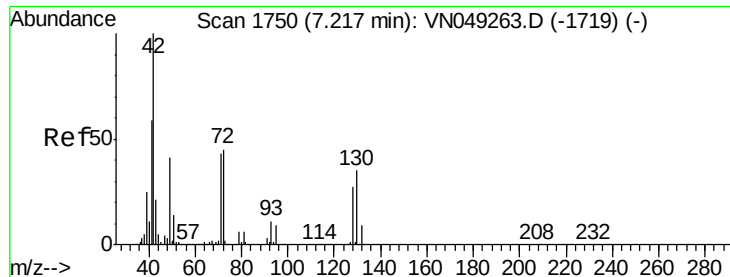
Delta R.T. -0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	49	Resp:	338683
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	82.6	54.9	82.3#





#29

Tetrahydrofuran

Concen: 97.61 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

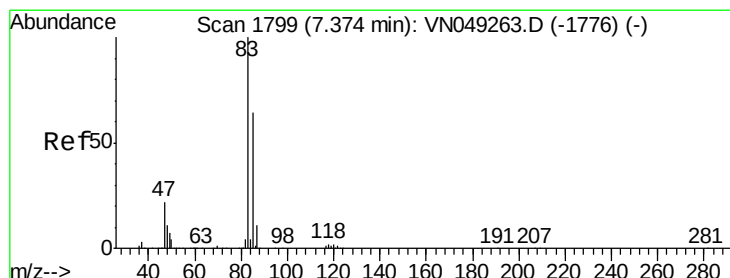
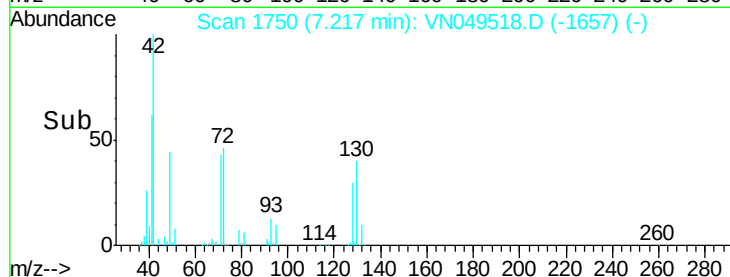
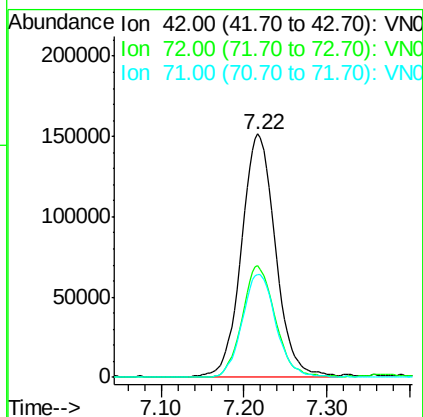
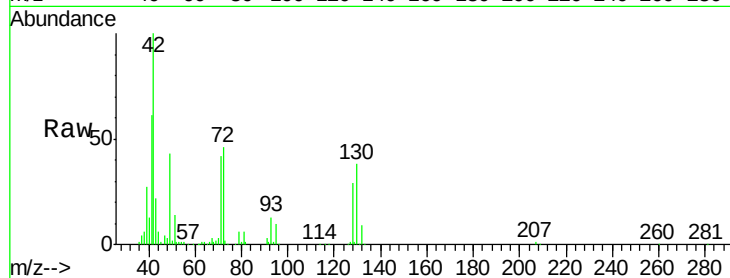
ClientSampled :

VN0625WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	42	100			
72	72	44.9	32.2	48.4	
71	71	42.1	30.5	45.7	

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#30

Chloroform

Concen: 19.33 ug/l

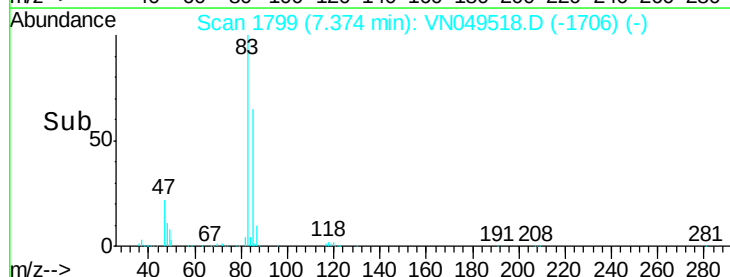
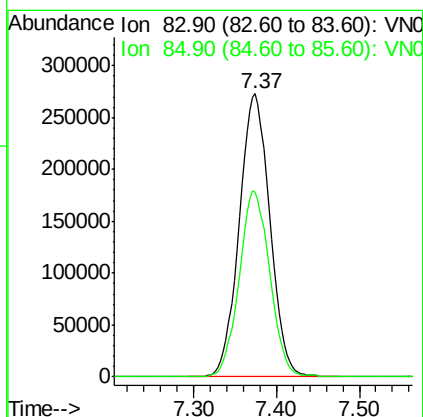
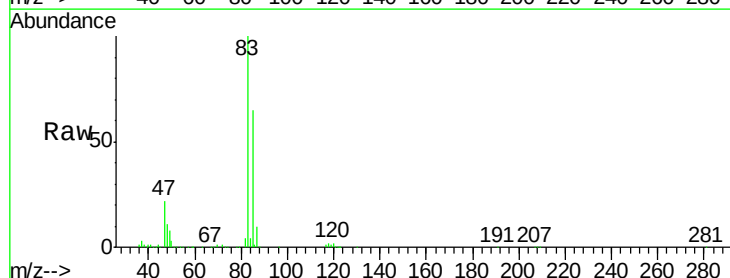
RT: 7.37 min Scan# 1799

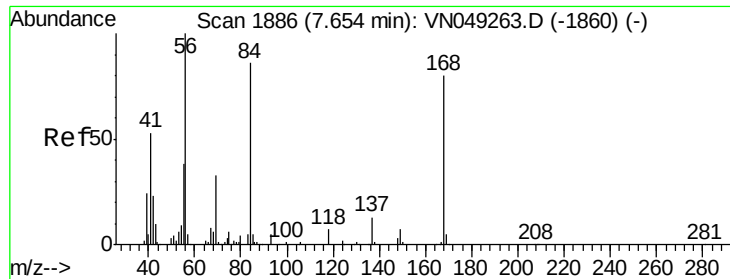
Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100			
85	85	65.1	51.7	77.5	





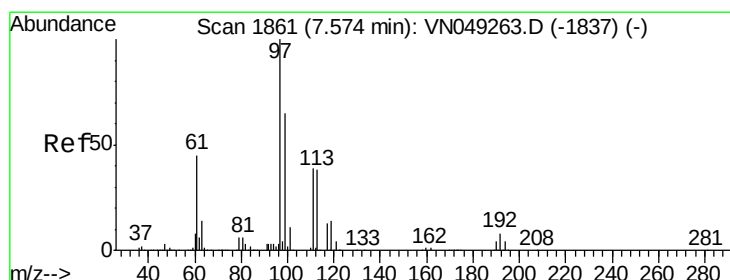
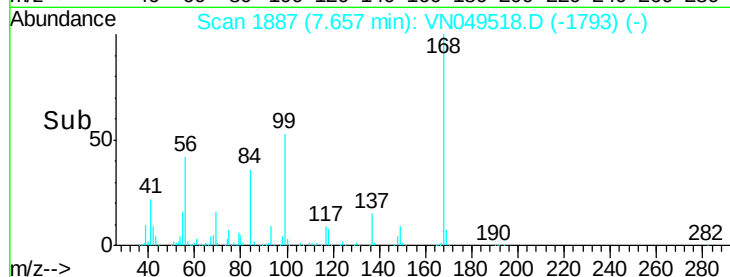
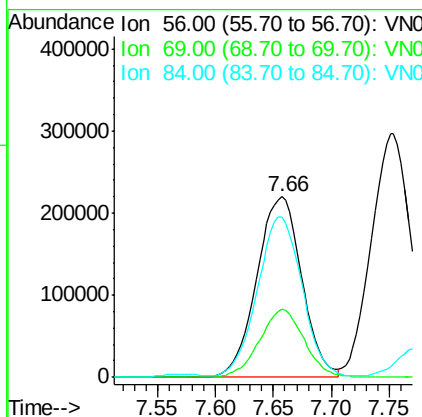
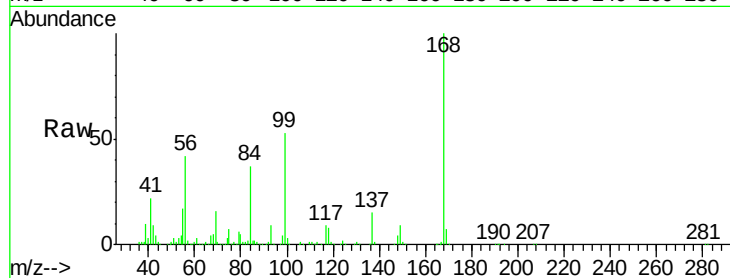
#31
Cyclohexane
Concen: 19.00 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.6	25.0	37.4#
84	86.9	64.6	96.8

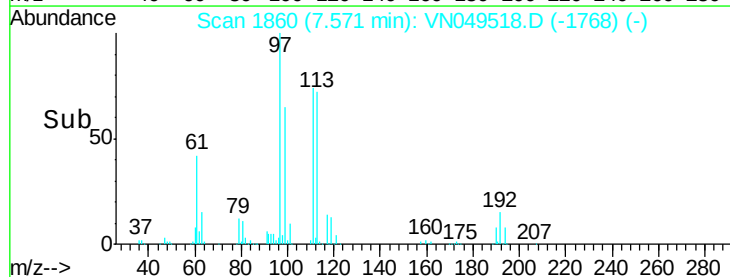
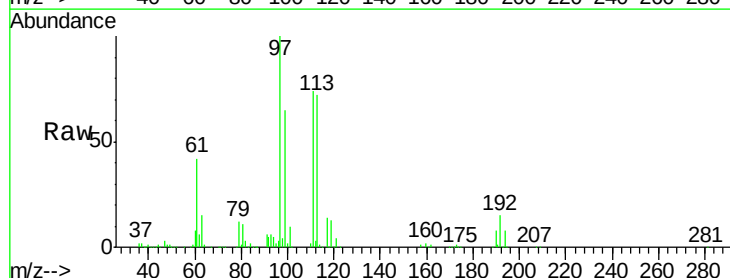
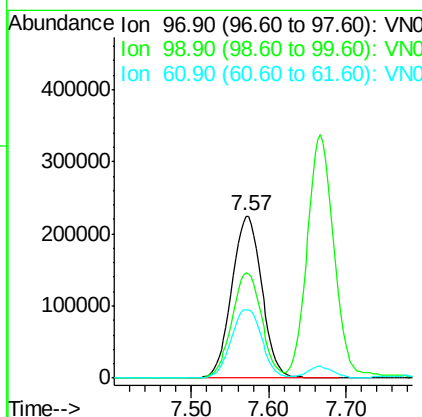
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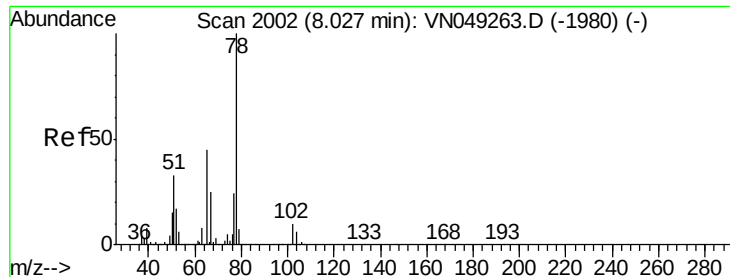
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#32
1,1,1-Trichloroethane
Concen: 19.47 ug/l
RT: 7.57 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.5	75.7
61	43.4	37.9	56.9





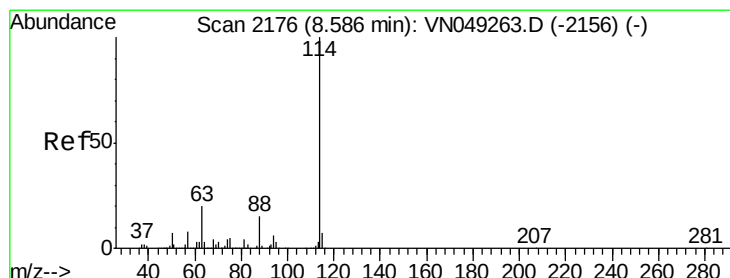
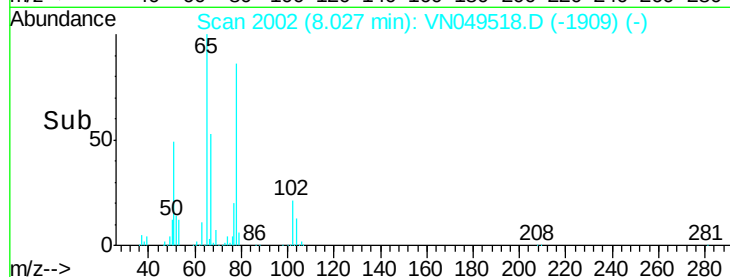
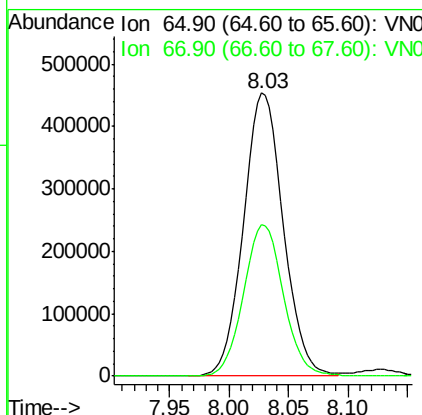
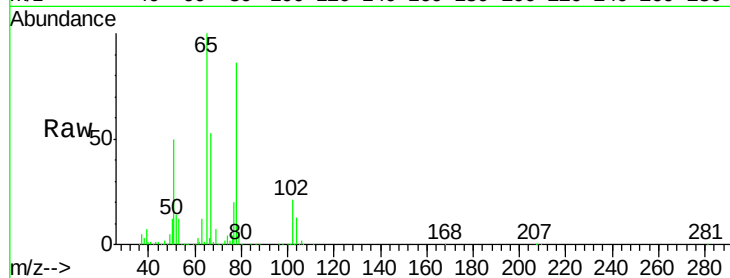
#33
 1,2-Dichloroethane-d4
 Concen: 50.12 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBSD01

Tot Ion: 65 Resp: 1051009
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 103.8

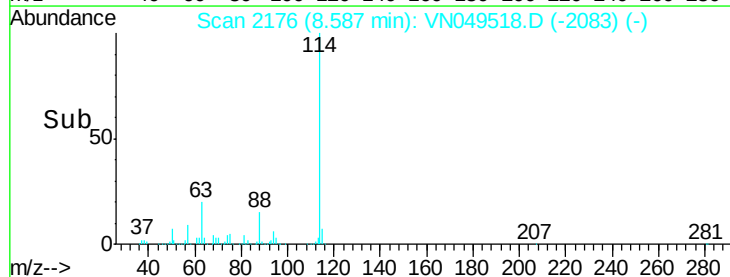
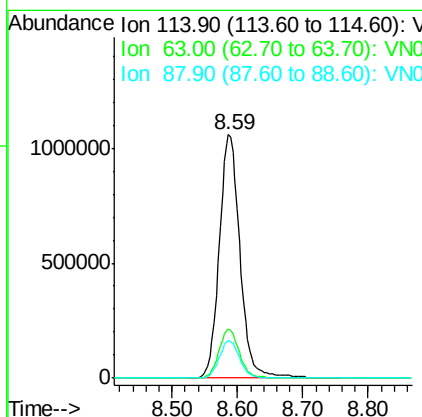
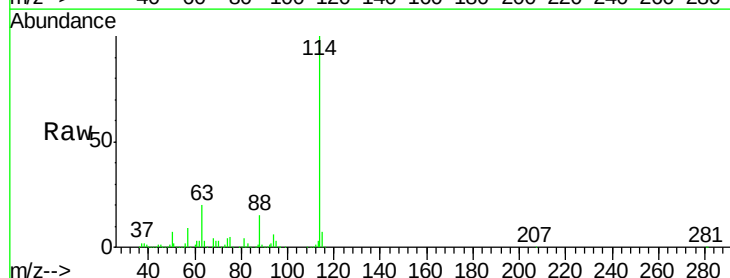
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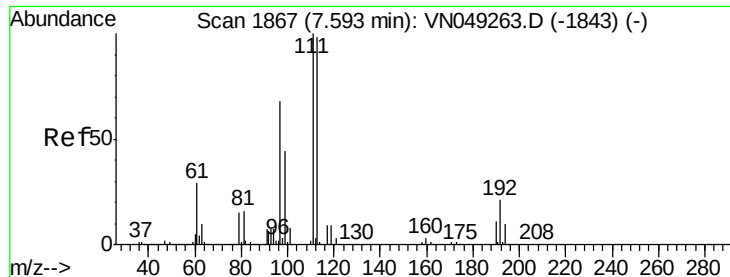
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Tgt Ion: 114 Resp: 2330192
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 49.27 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

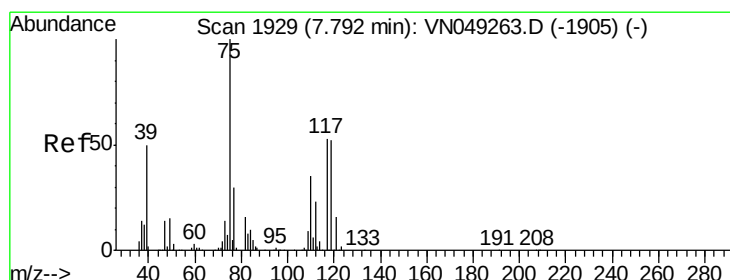
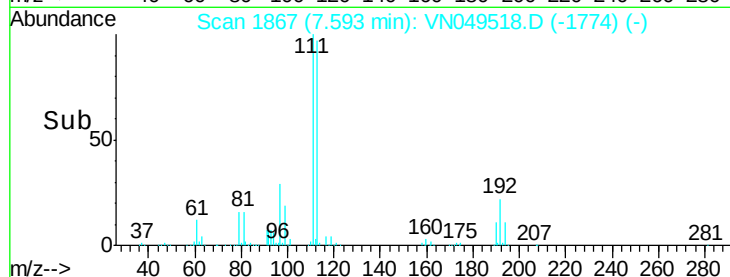
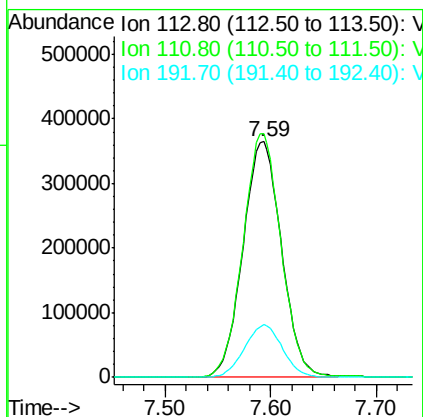
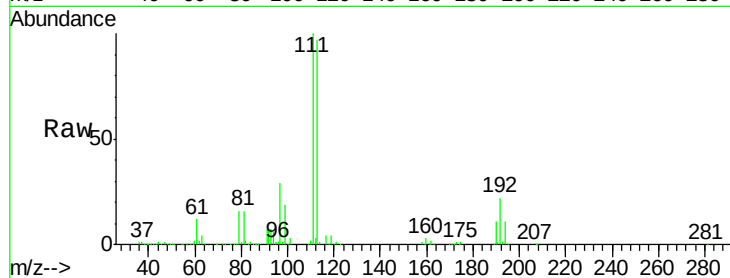
ClientSampleId :

VN0625WBSD01

Tot Ion:	113	Resp:	928762
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.4	123.6
192	22.0	15.0	22.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.25 ug/l

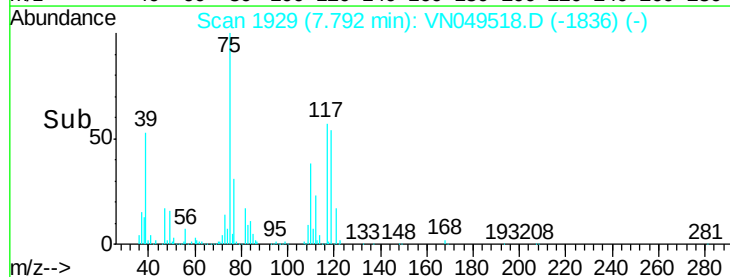
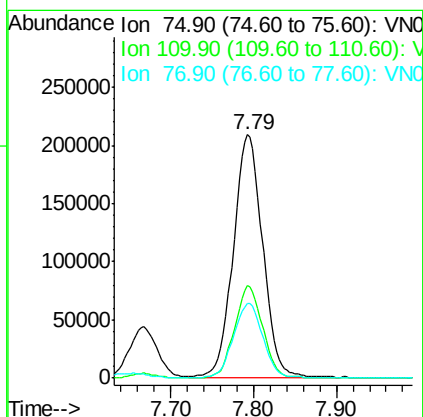
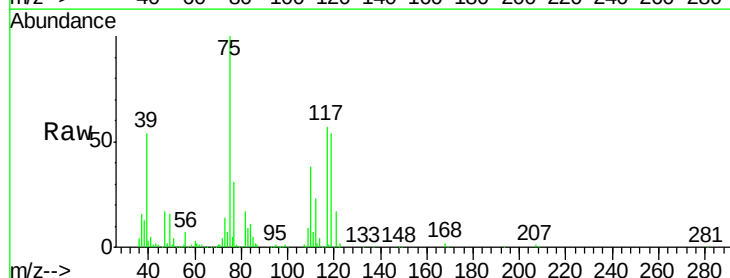
RT: 7.79 min Scan# 1929

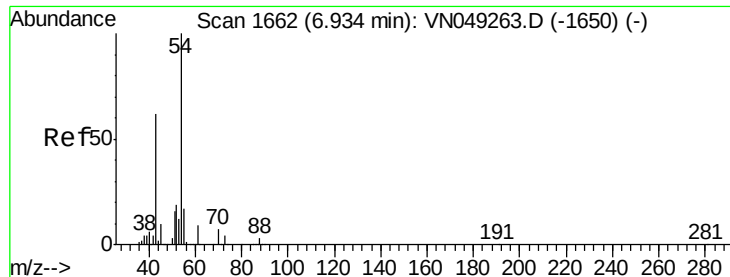
Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	75	Resp:	513988
Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.0	50.9
77	30.9	24.4	36.6





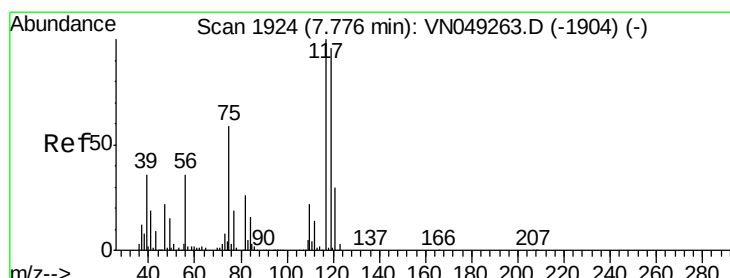
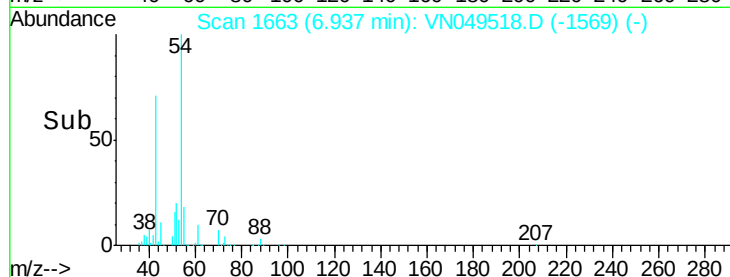
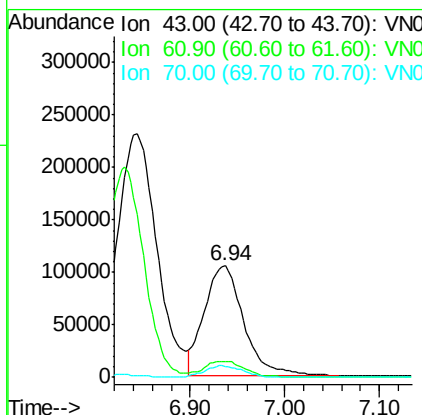
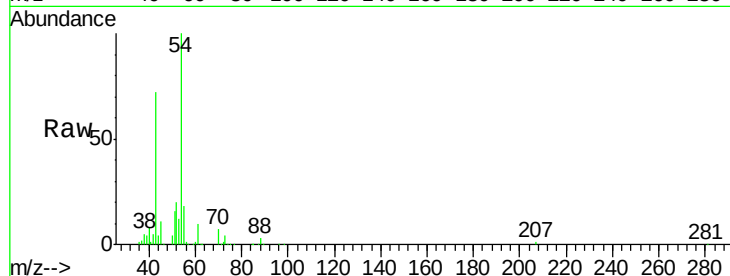
#37
Ethyl Acetate
Concen: 20.98 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	11.0	16.4
70	9.5	7.2	10.8

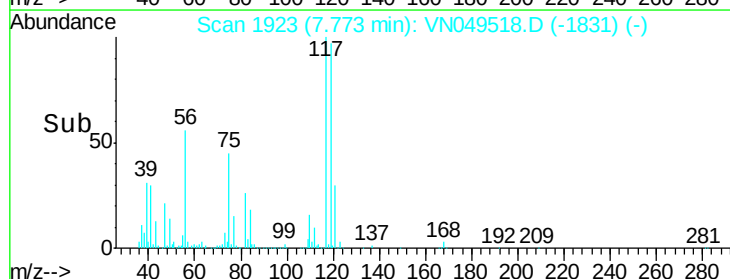
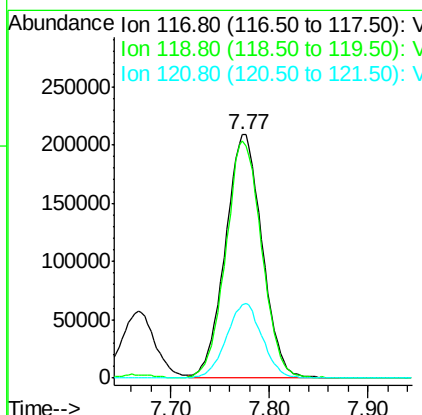
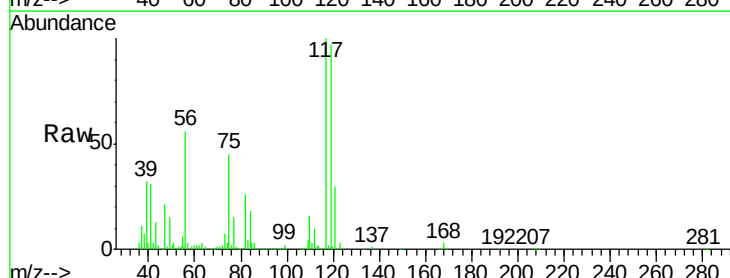
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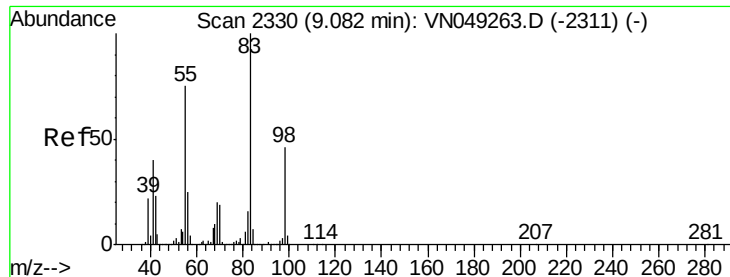
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#38
Carbon Tetrachloride
Concen: 19.49 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	75.6	113.4
121	30.1	24.7	37.1





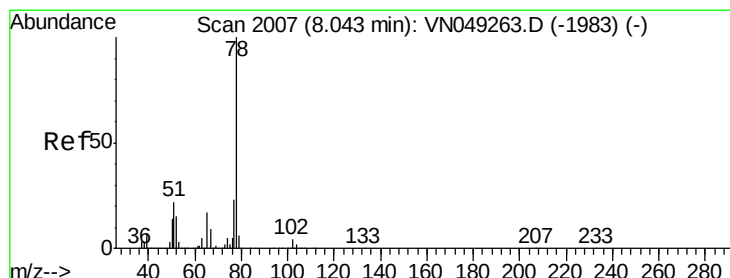
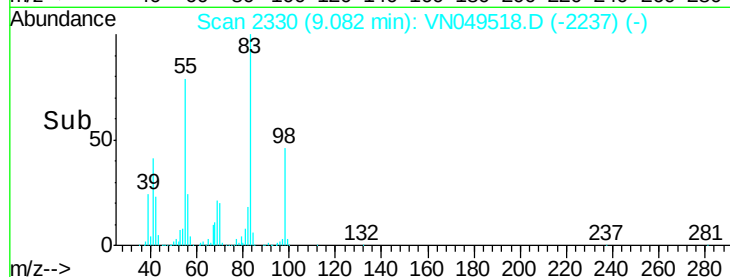
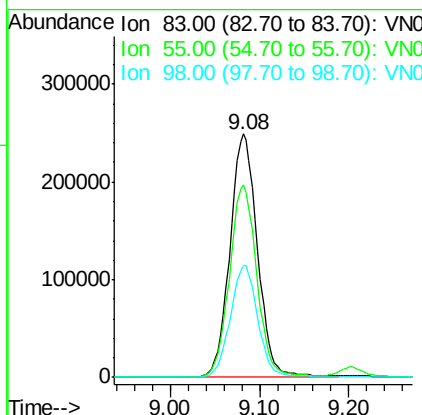
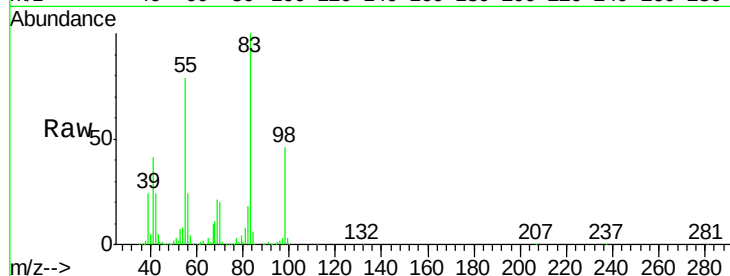
#39
Methylvlcyclohexane
Concen: 18.59 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	65.1	97.7
98	45.8	36.5	54.7

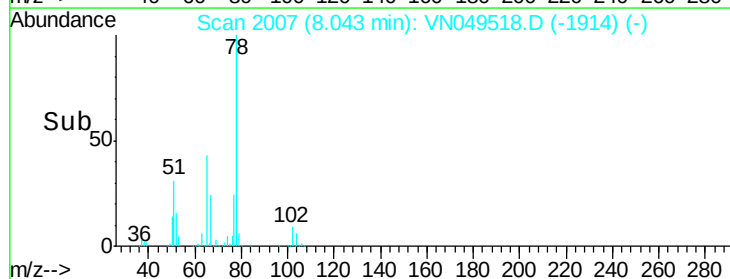
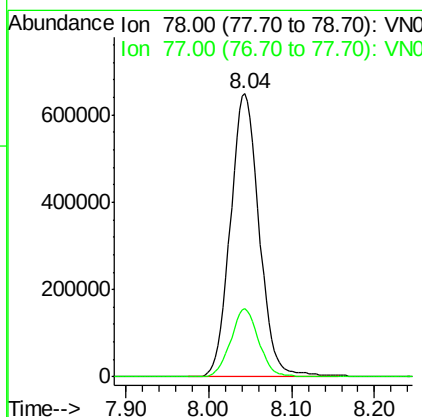
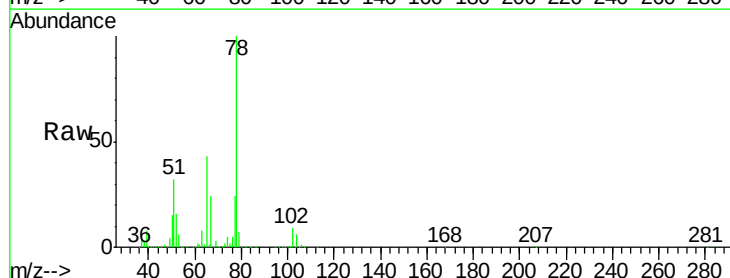
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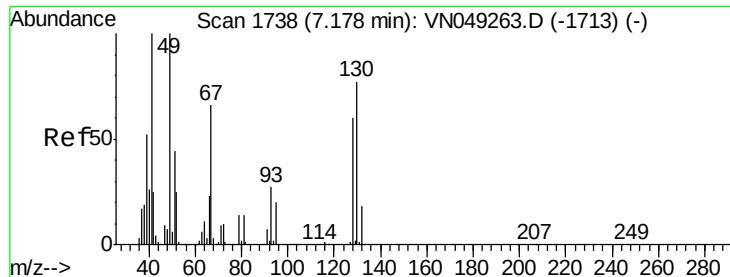
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#40
Benzene
Concen: 19.23 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.4	29.0





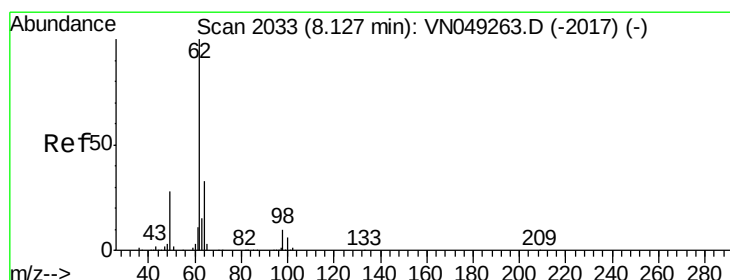
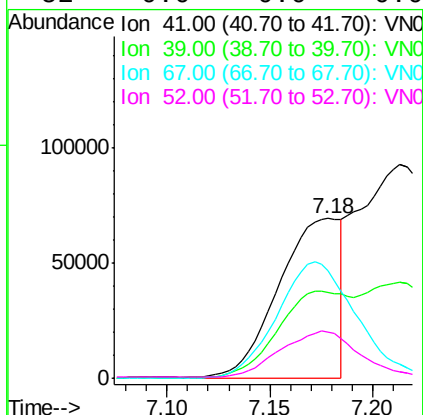
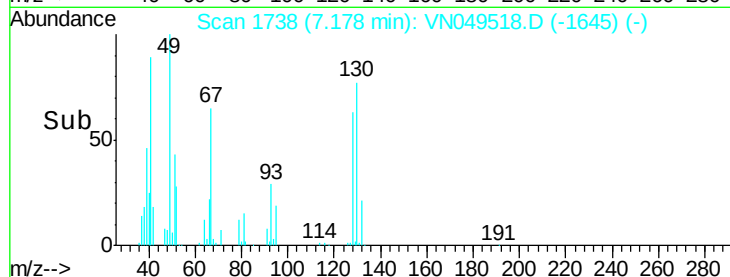
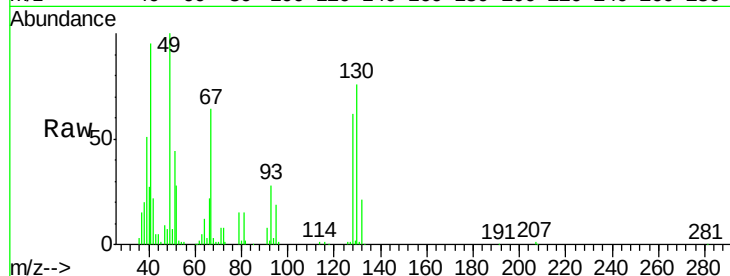
#41
Methacrylonitrile
Concen: 18.67 ug/l m
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBSD01

Tot Ion	41	Resp	146505
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

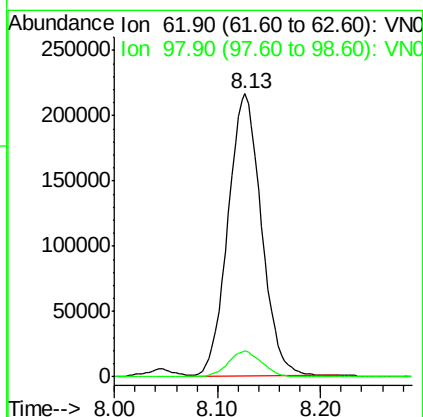
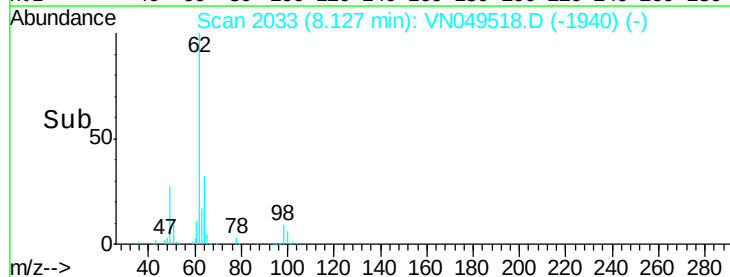
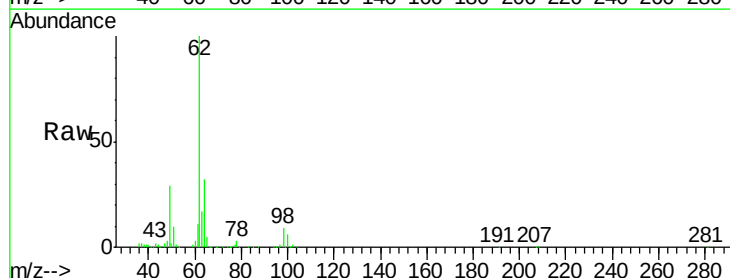
Manual Integrations
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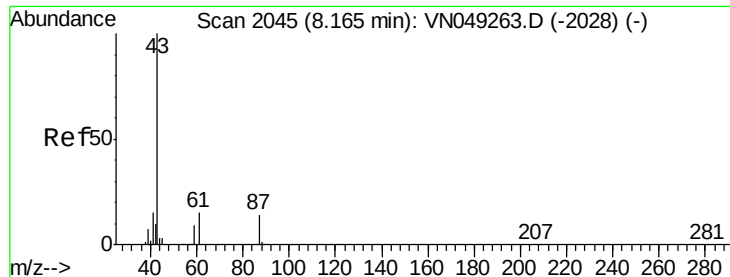
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#42
1,2-Dichloroethane
Concen: 19.31 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Tgt Ion	62	Resp	488361
Ion Ratio	Lower	Upper	
62	100		
98	9.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 20.16 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

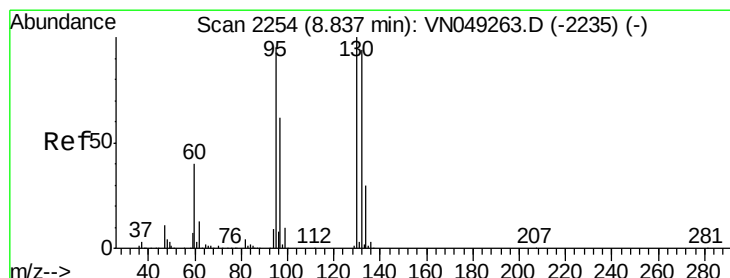
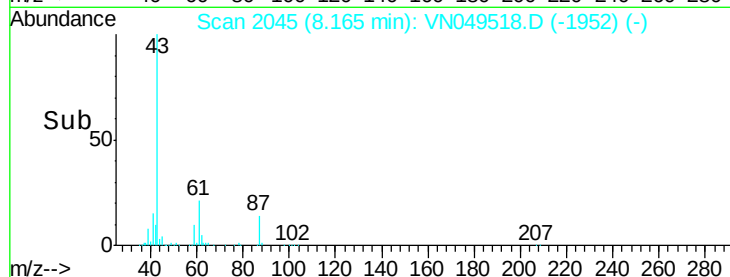
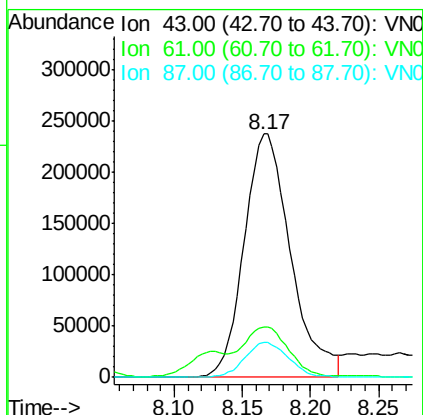
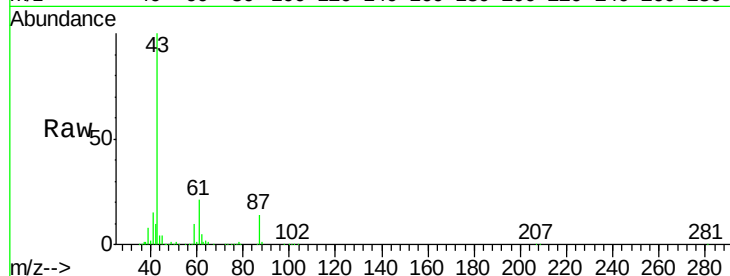
ClientSampleId :

VN0625WBSD01

Tot Ion:	43	Resp:	559287
Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.2	21.4
87	13.8	9.4	14.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.77 ug/l

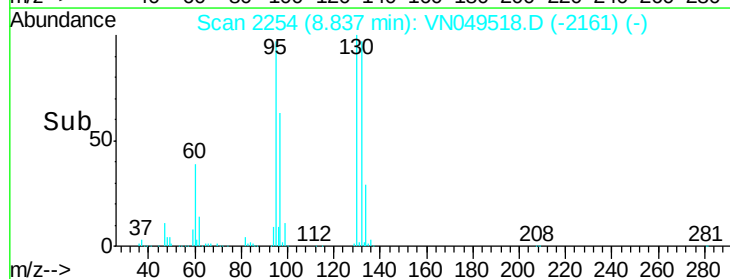
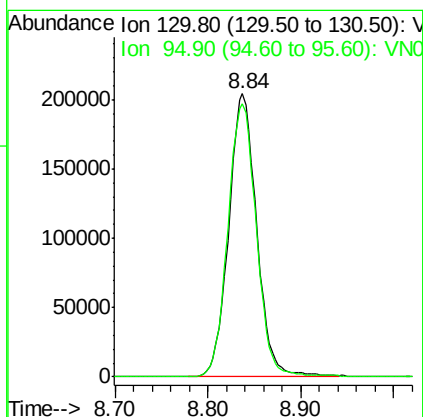
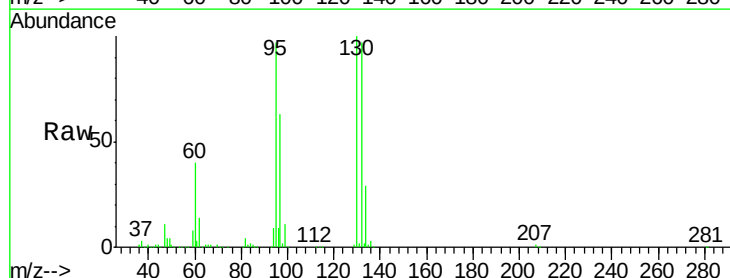
RT: 8.84 min Scan# 2254

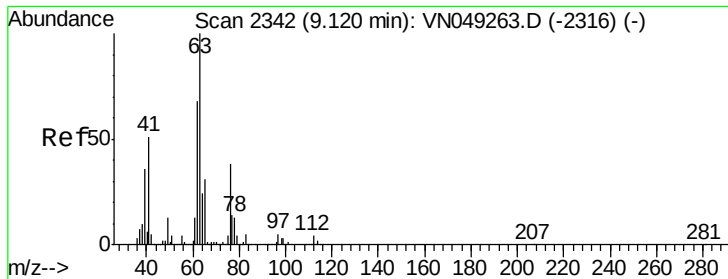
Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	130	Resp:	427346
Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	208.6





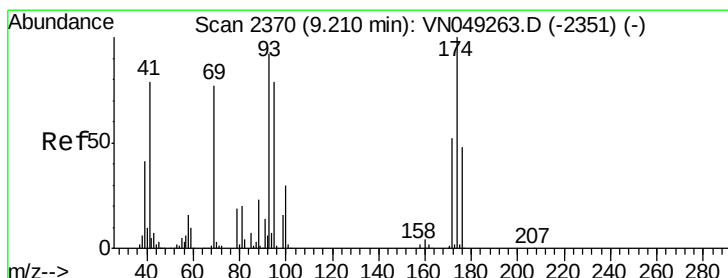
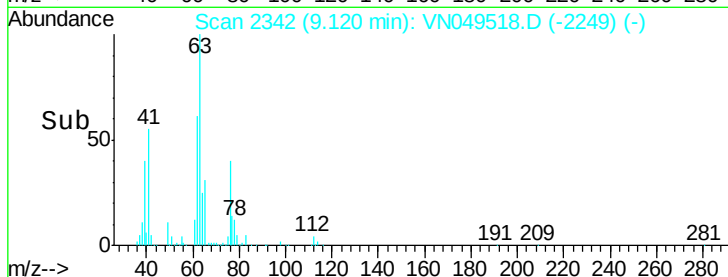
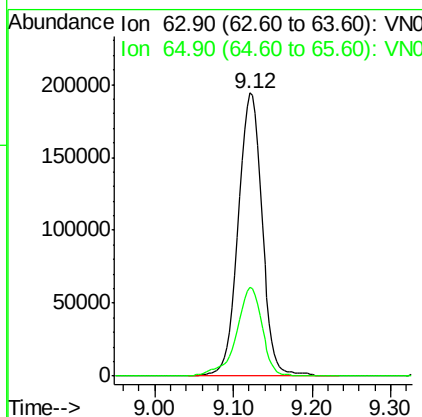
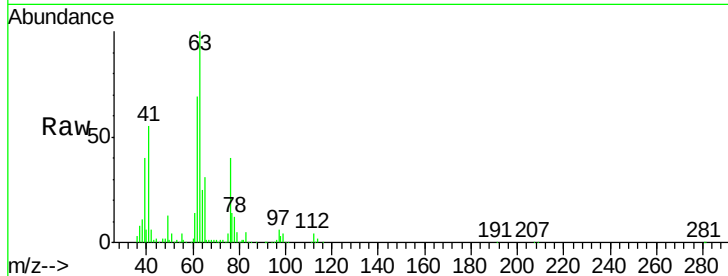
#45
 1,2-Dichloropropane
 Concen: 19.33 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	24.8	37.2

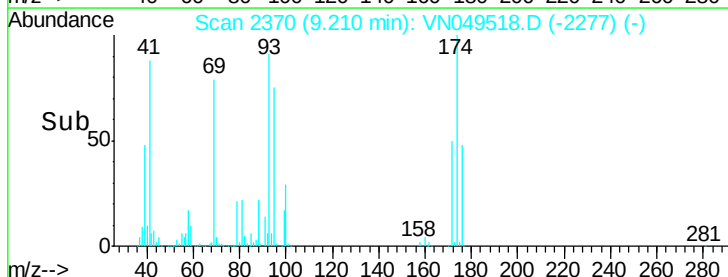
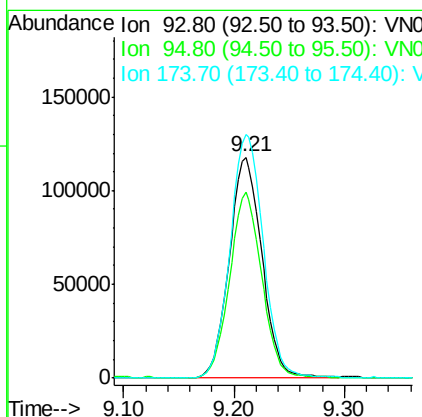
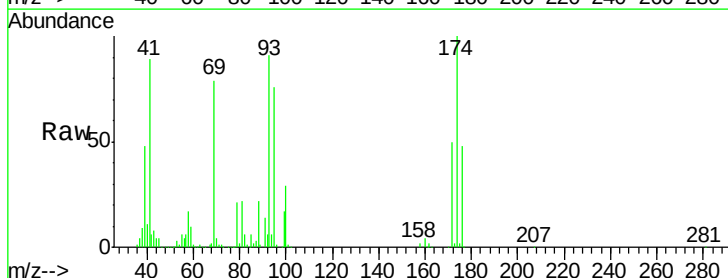
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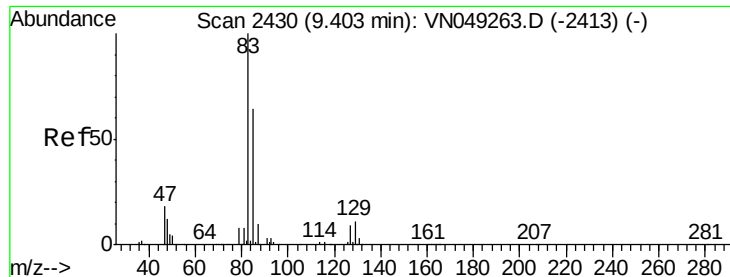
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#46
 Dibromomethane
 Concen: 19.53 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	67.2	100.8
174	111.5	75.6	113.4





#47

Bromodichloromethane

Concen: 19.56 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

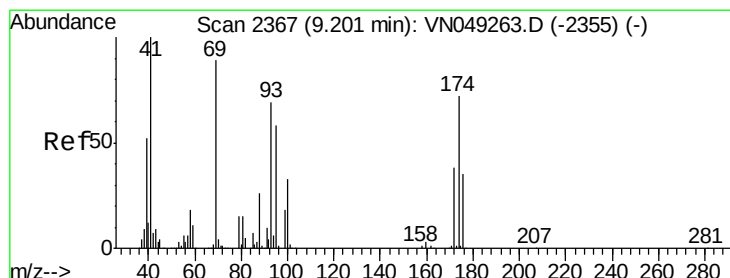
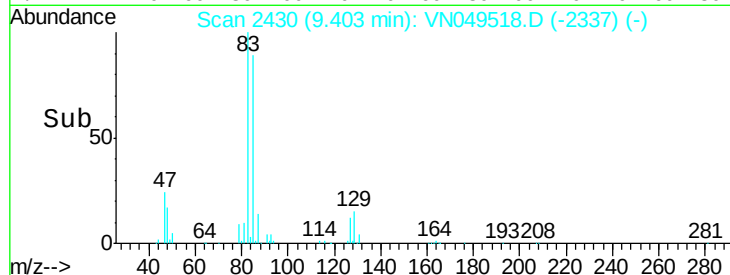
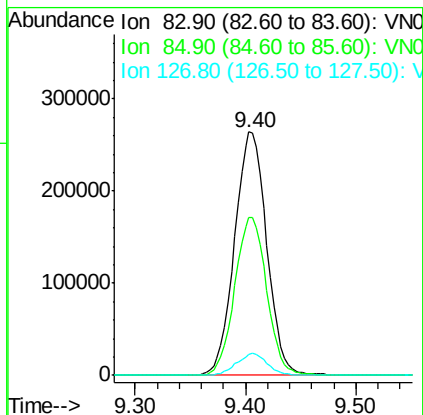
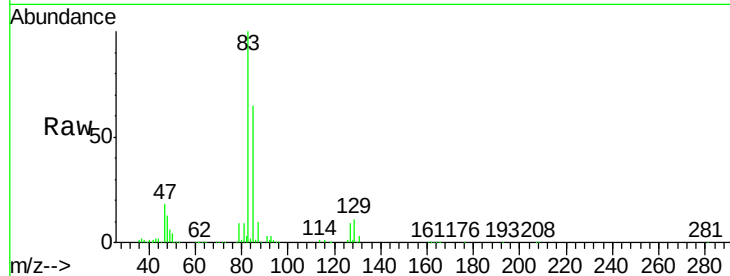
ClientSampled :

VN0625WBSD01

Tot Ion:	83	Resp:	534287
Ion Ratio	Lower	Upper	
83	100		
85	64.8	49.4	74.0
127	8.6	6.3	9.5

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#48

Methyl methacrylate

Concen: 20.49 ug/l

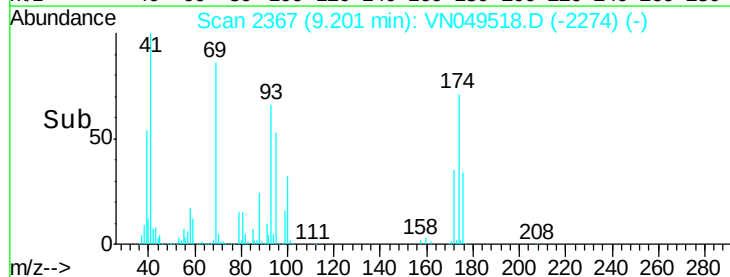
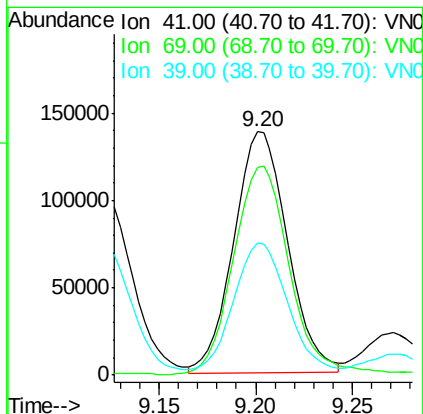
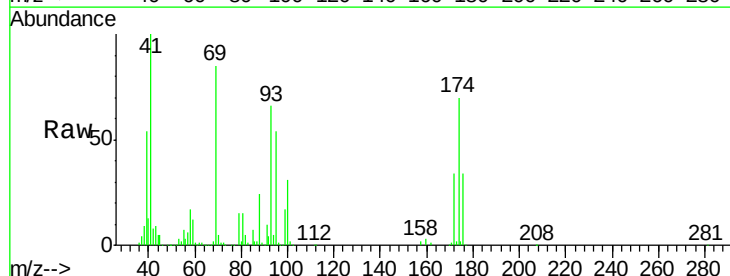
RT: 9.20 min Scan# 2367

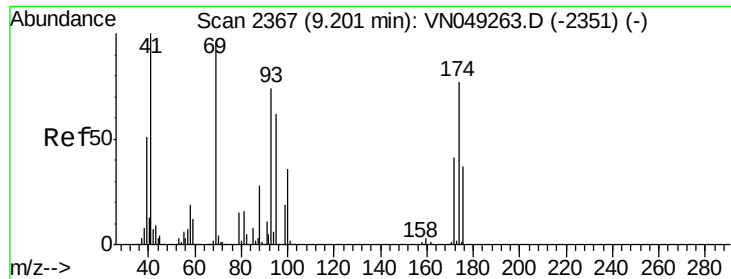
Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	41	Resp:	267602
Ion Ratio	Lower	Upper	
41	100		
69	90.7	62.0	93.0
39	55.2	50.6	75.8





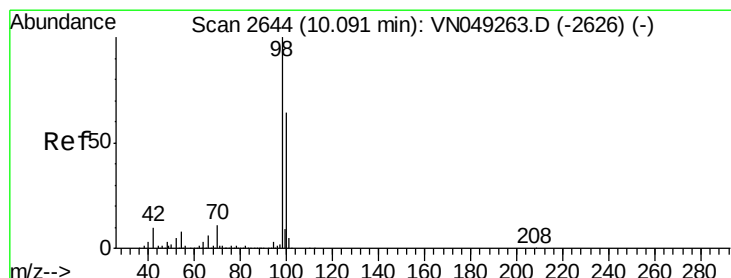
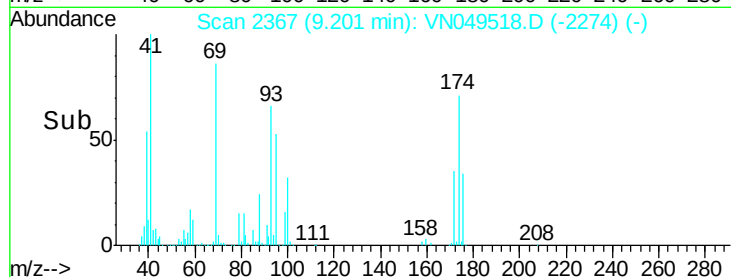
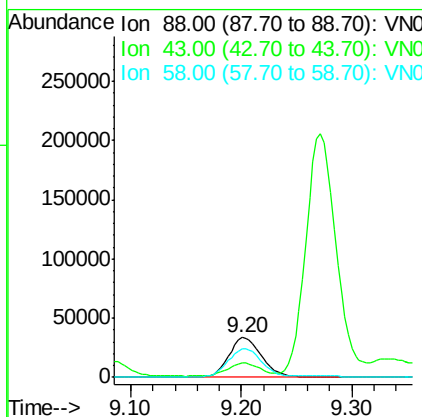
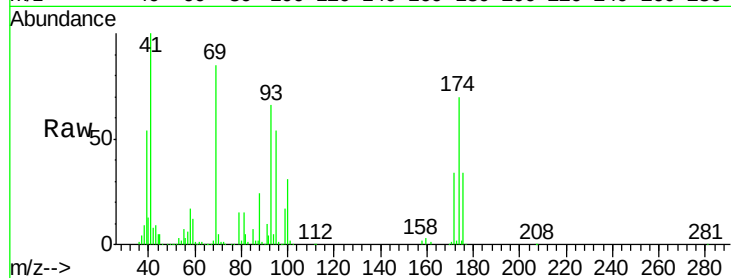
#49
1,4-Dioxane
Concen: 391.87 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBSD01

Tot Ion	88	Resp	70651
Ion	Ratio	Lower	Upper
88	100		
43	32.9	30.9	46.3
58	72.2	58.9	88.3

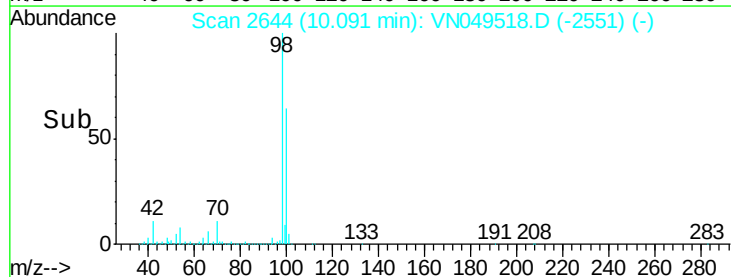
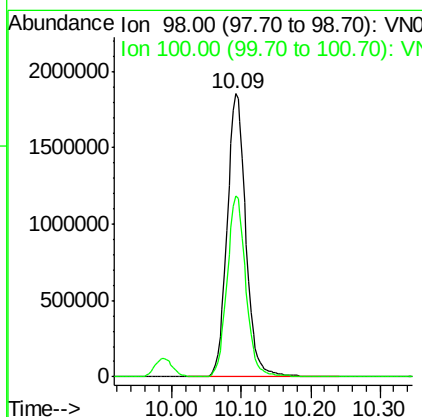
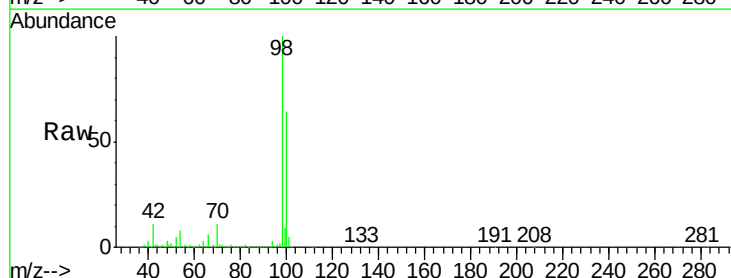
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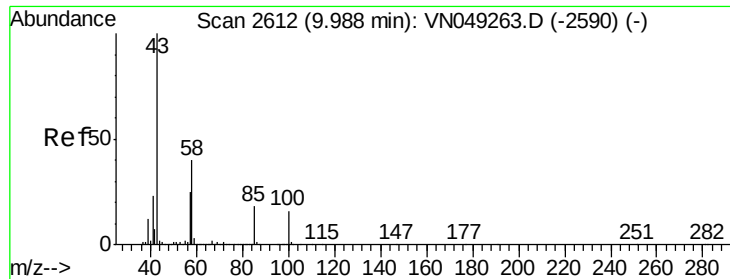
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#50
Toluene-d8
Concen: 48.86 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Tgt Ion	98	Resp	3507576
Ion	Ratio	Lower	Upper
98	100		
100	64.1	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 102.31 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 43 Resp: 1487390

Ion Ratio Lower Upper

43 100

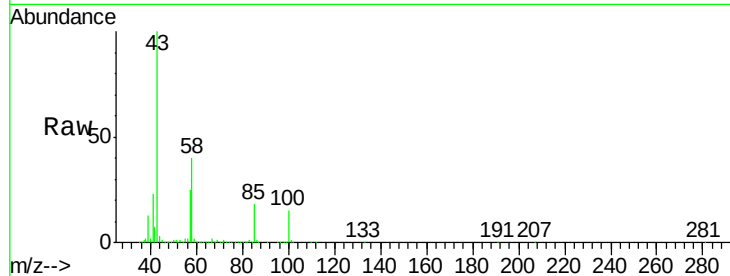
58 39.5 29.0 43.6

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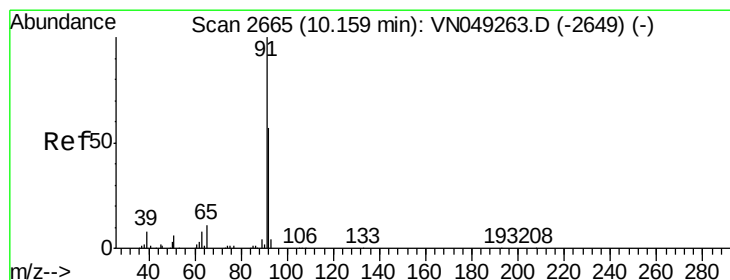
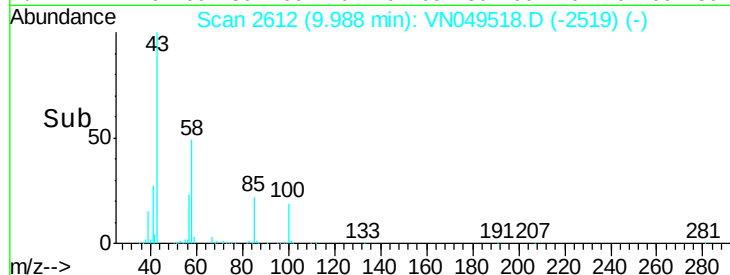
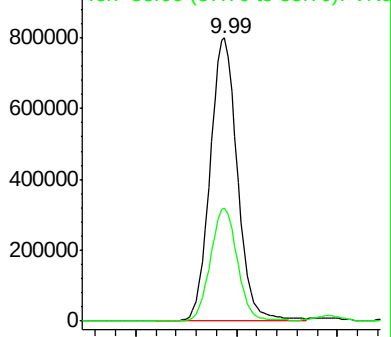
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.11 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049518.D

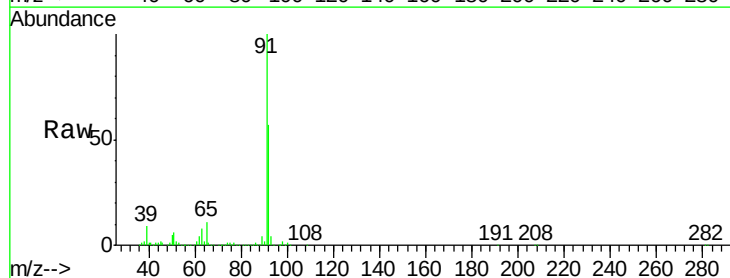
Acq: 25 Jun 2018 18:29

Tgt Ion: 92 Resp: 966613

Ion Ratio Lower Upper

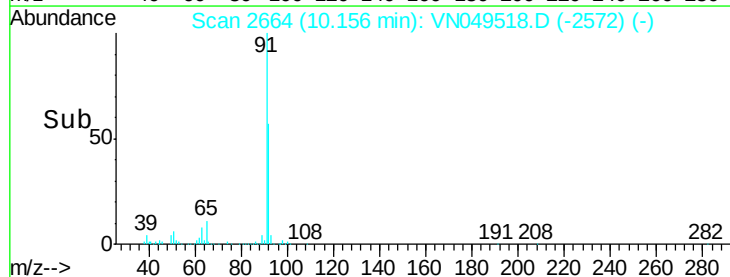
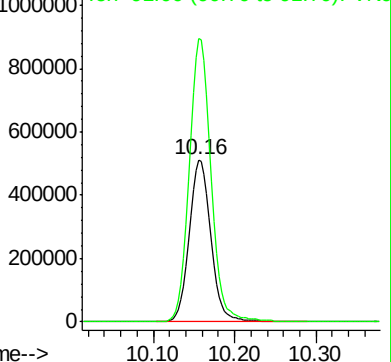
92 100

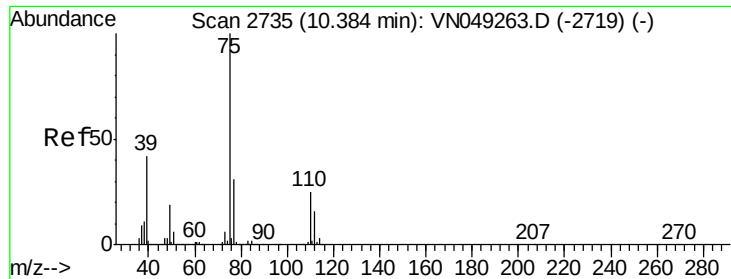
91 175.6 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 19.18 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 75 Resp: 501086

Ion Ratio Lower Upper

75 100

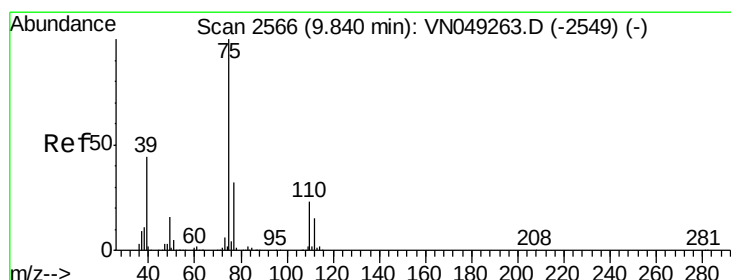
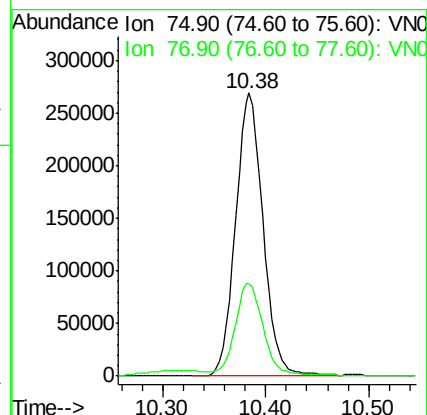
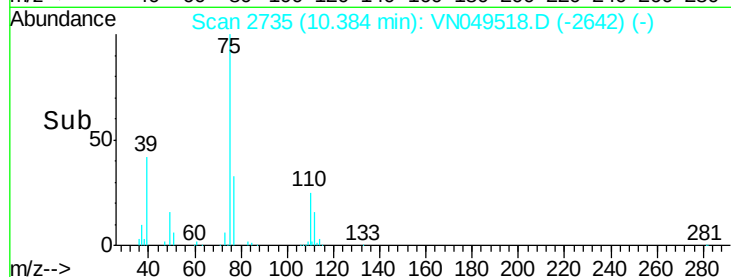
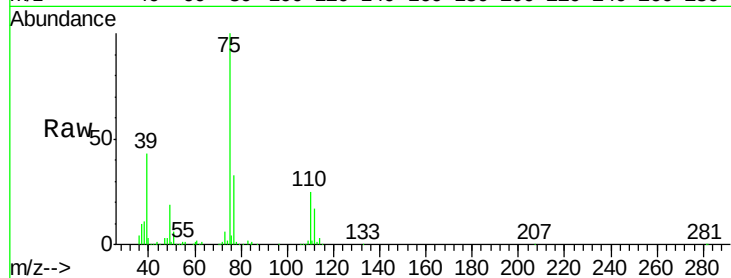
77 32.5 25.2 37.8

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#54

cis-1,3-Dichloropropene

Concen: 19.48 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

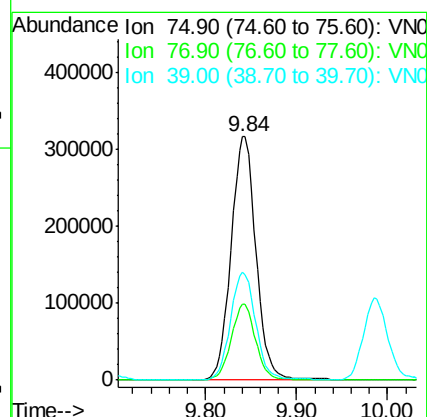
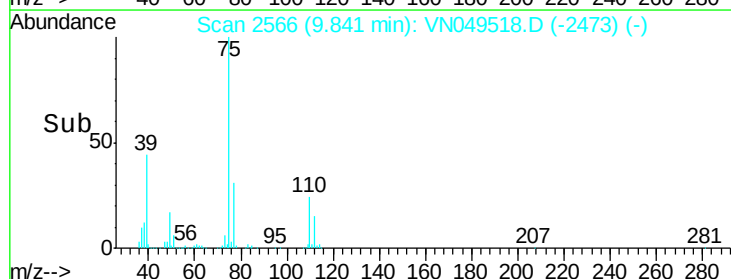
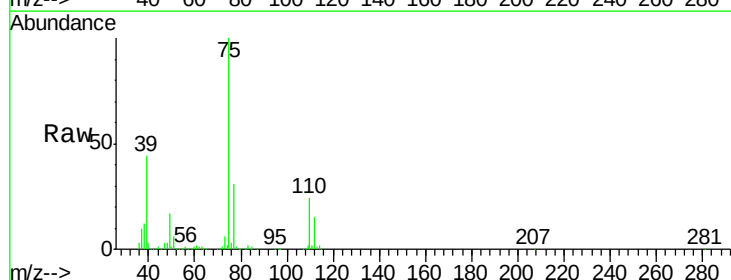
Tgt Ion: 75 Resp: 601090

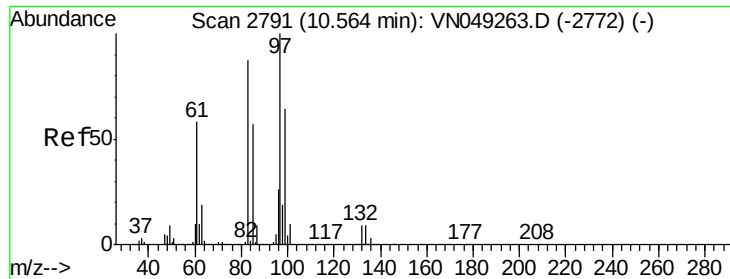
Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2

39 44.0 45.1 67.7#





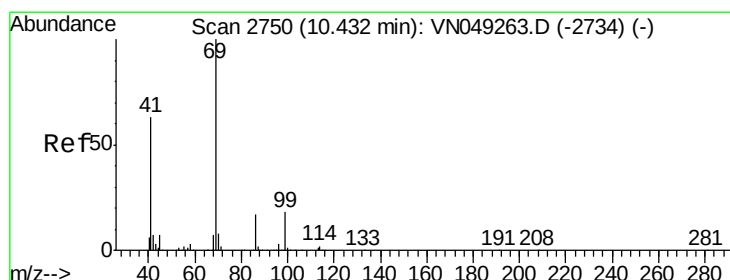
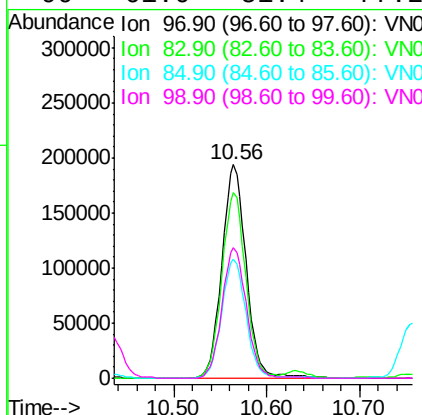
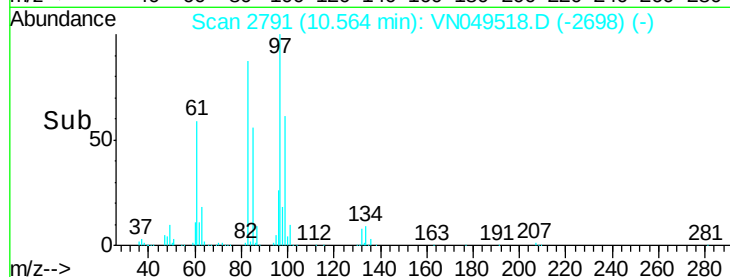
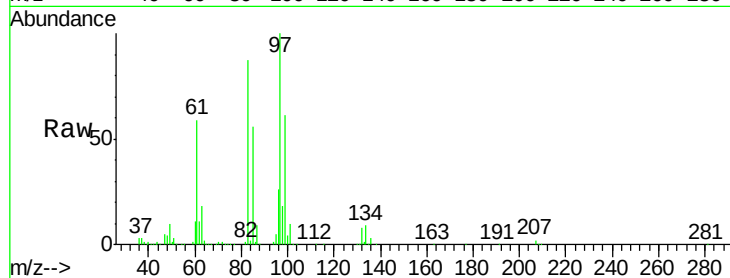
#55
 1,1,2-Trichloroethane
 Concen: 19.68 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	86.8	71.5	107.3
85	56.0	47.0	70.4
99	61.0	51.4	77.2

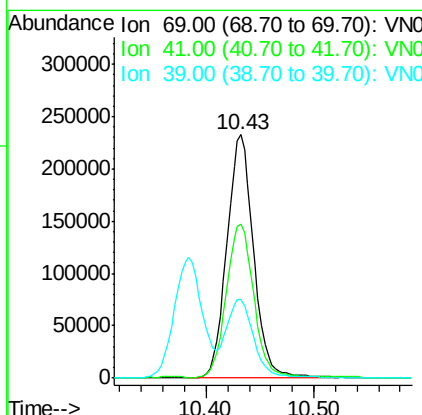
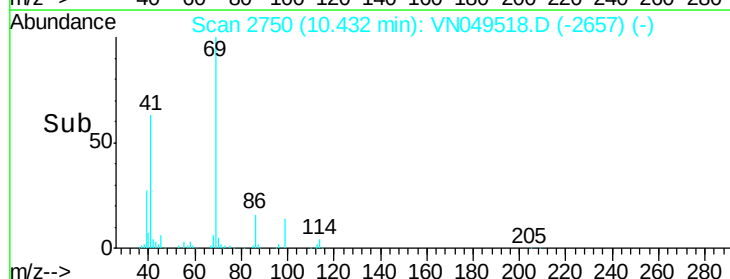
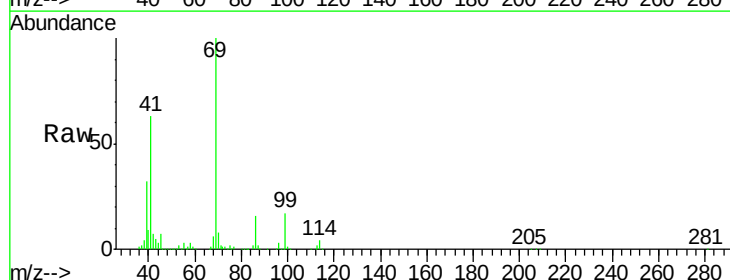
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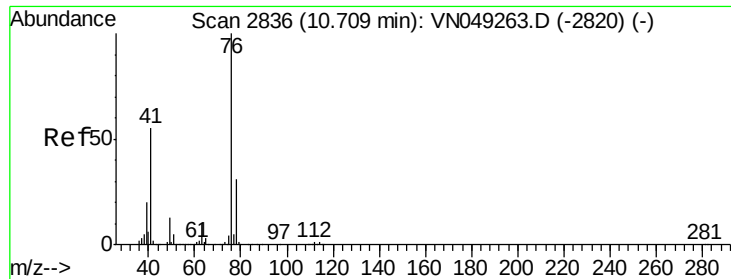
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#56
 Ethyl methacrylate
 Concen: 19.49 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.4	58.4	87.6
39	32.1	35.5	53.3#





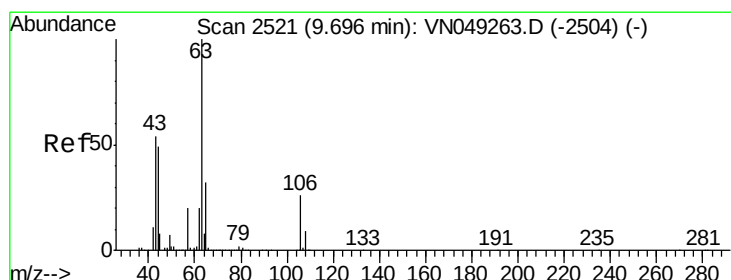
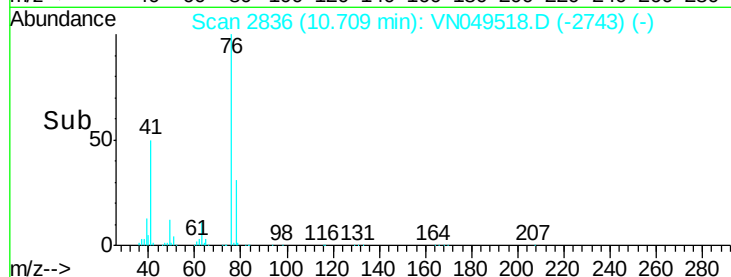
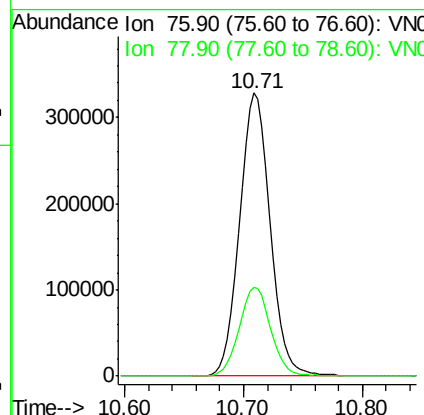
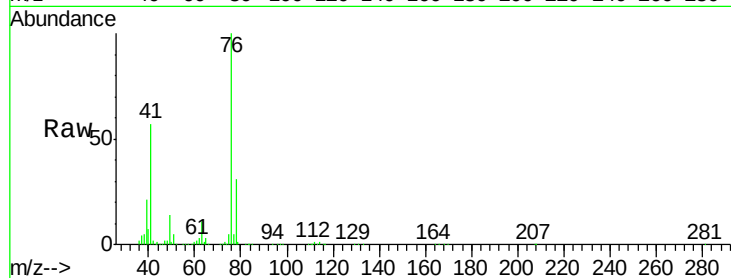
#57
 1,3-Dichloropropane
 Concen: 19.70 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

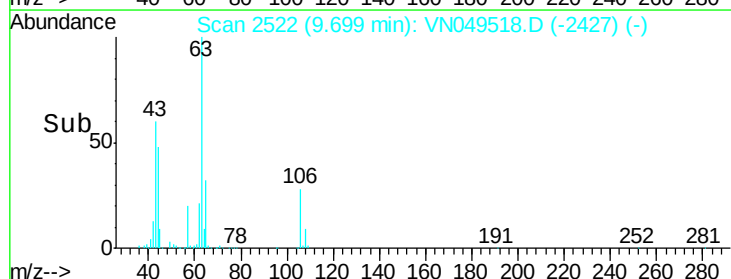
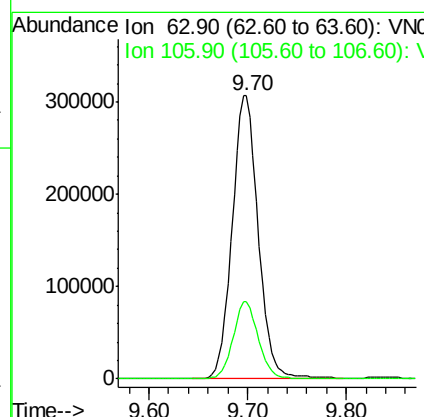
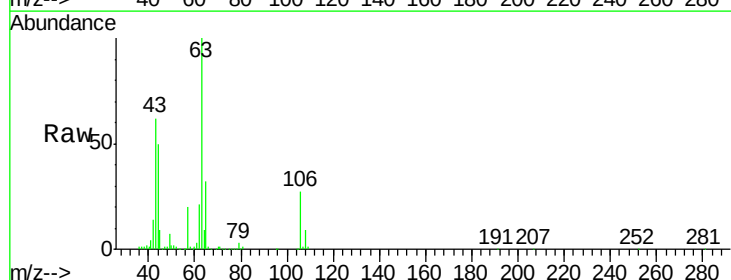
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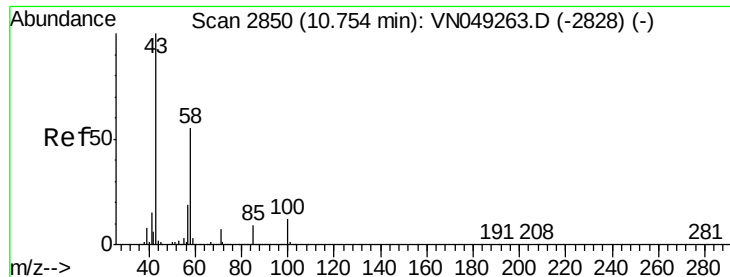
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#58
 2-Chloroethyl Vinyl ether
 Concen: 86.63 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.4	19.4	29.2





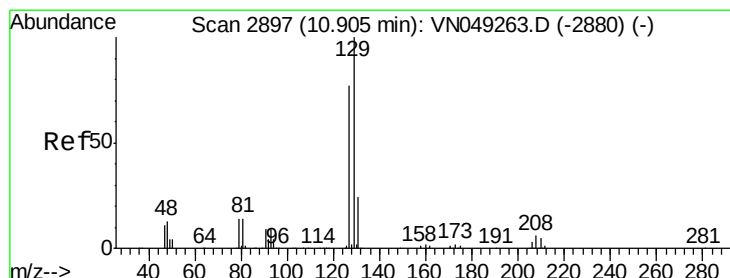
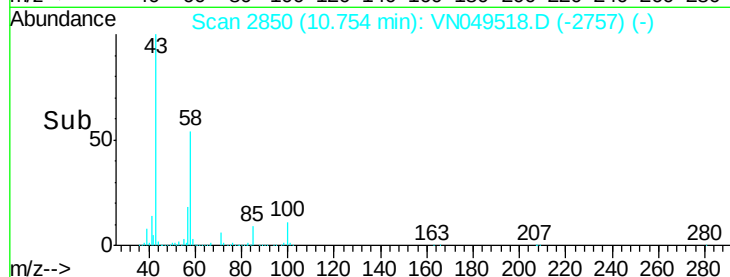
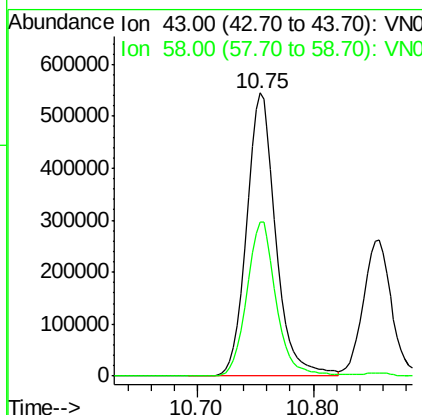
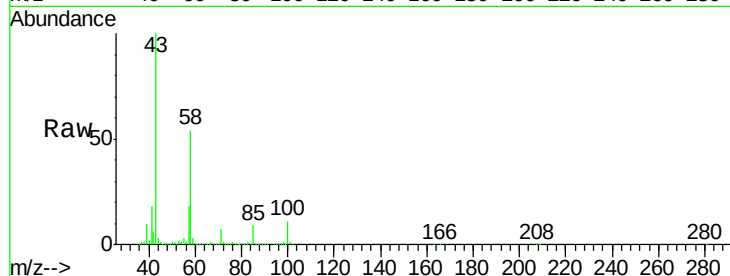
#59
2-Hexanone
Concen: 101.73 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.9	25.2	75.6

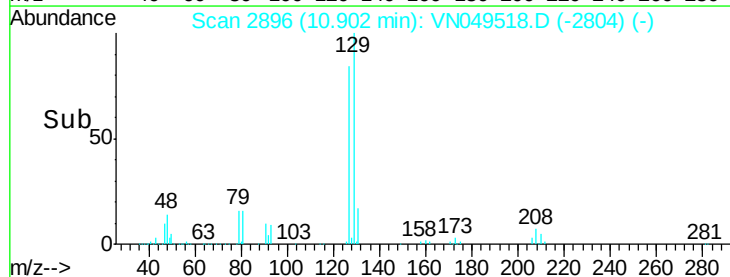
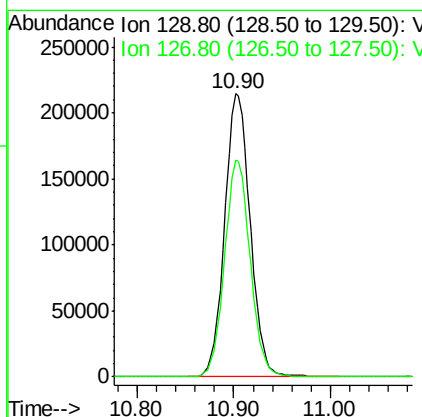
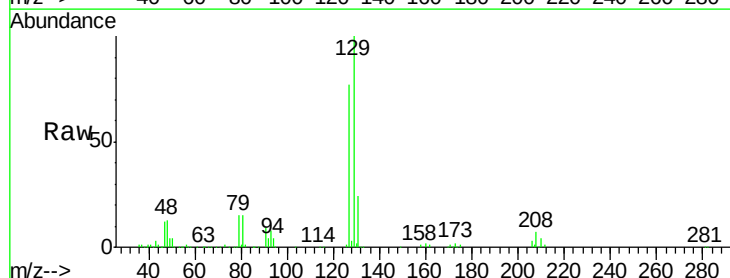
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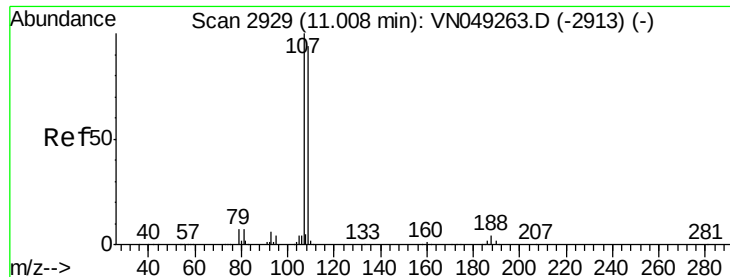
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#60
Dibromochloromethane
Concen: 19.71 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	39.1	117.2





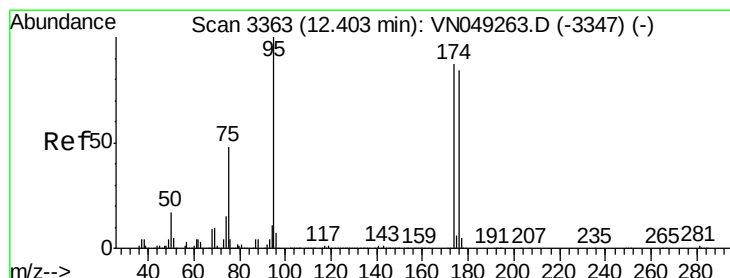
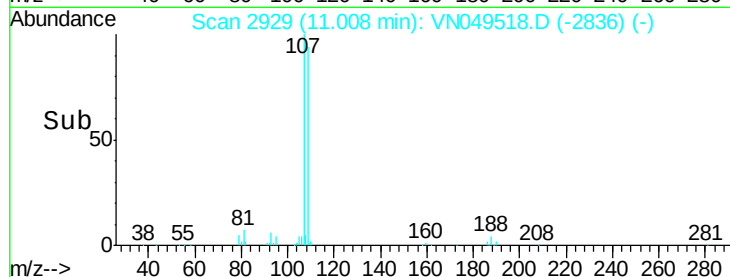
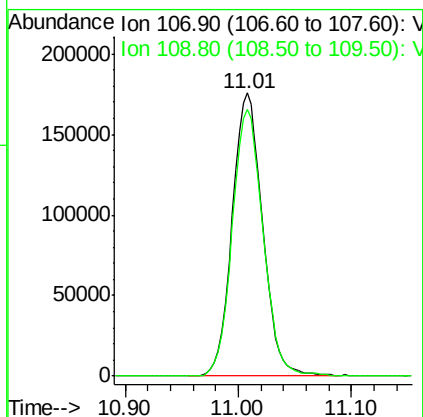
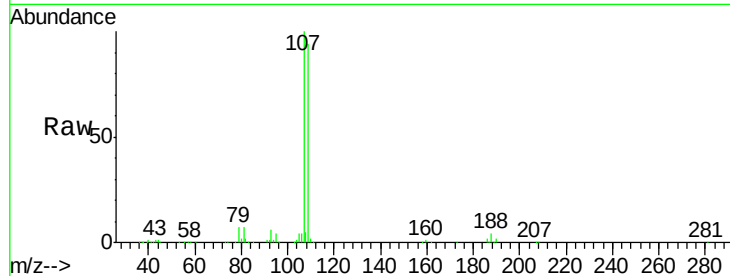
#61
 1,2-Dibromoethane
 Concen: 19.72 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.4	113.2

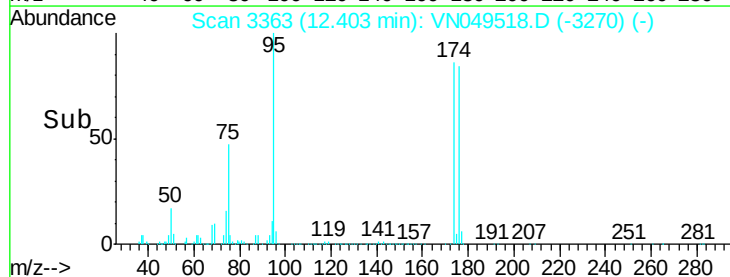
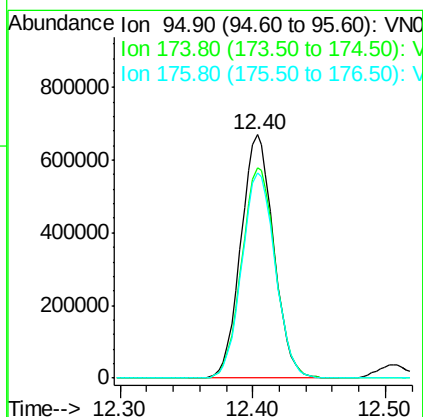
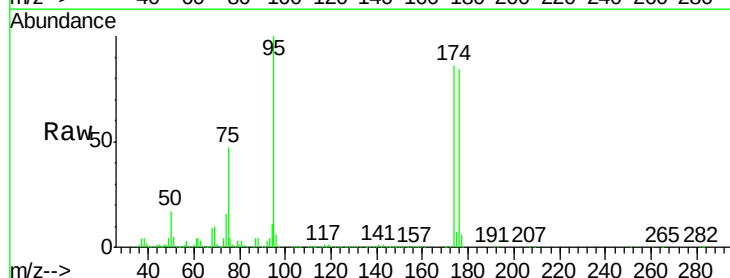
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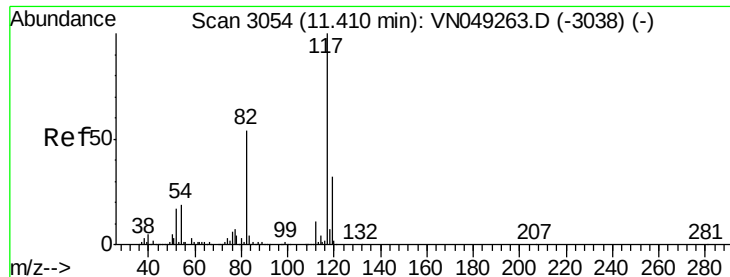
apatel
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#62
 4-Bromofluorobenzene
 Concen: 48.29 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	165.6
176	85.9	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: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBSD01

Tot Ion:117 Resp: 2099680

Ion Ratio Lower Upper

117 100

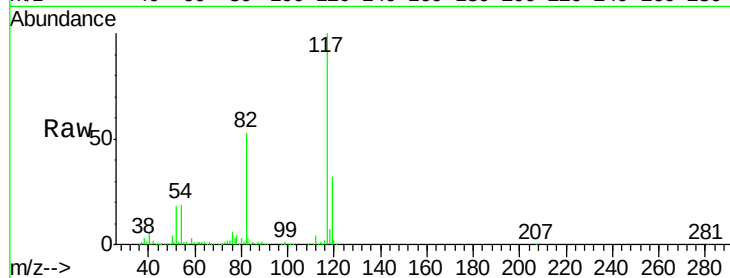
82 53.4 45.9 68.9

119 32.0 25.5 38.3

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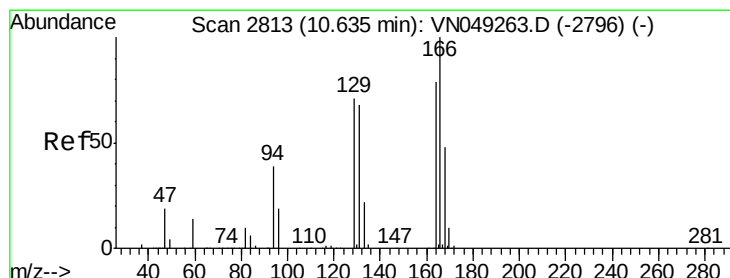
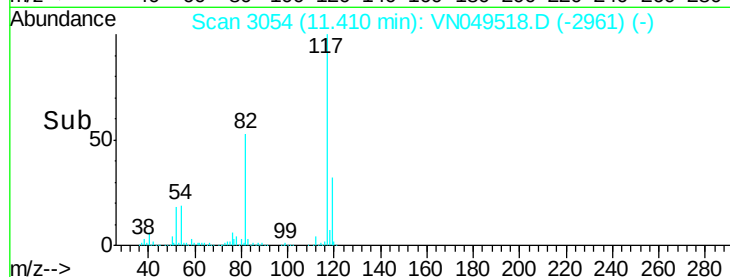
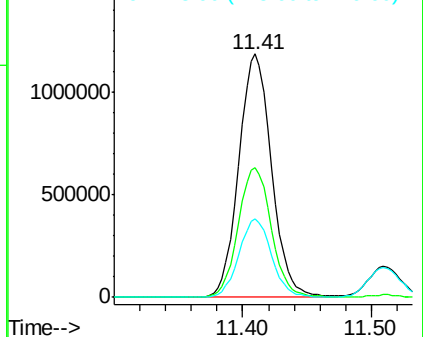
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 22.19 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:164 Resp: 477448

Ion Ratio Lower Upper

164 100

166 126.5 101.4 152.2

129 91.1 74.1 111.1

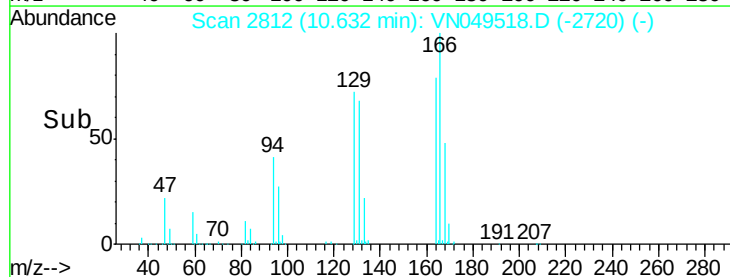
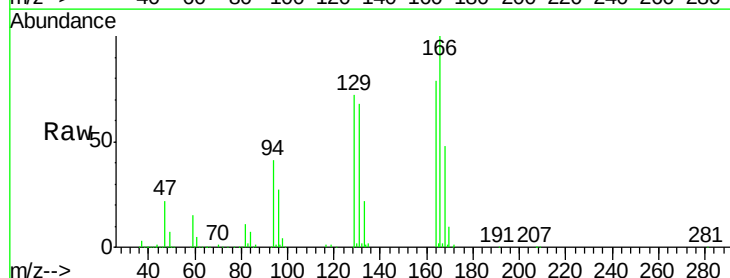
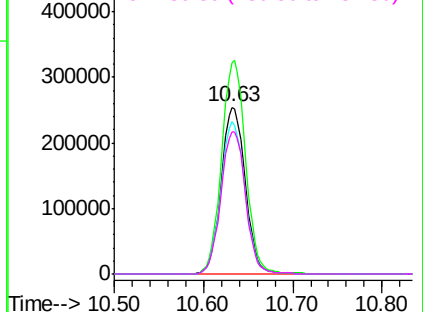
131 85.5 73.7 110.5

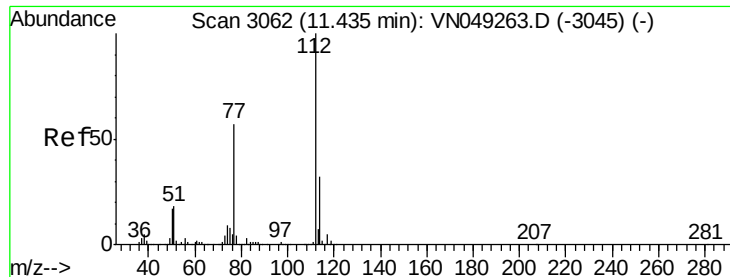
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 19.38 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBSD01

Tot Ion:112 Resp: 1048239

Ion Ratio Lower Upper

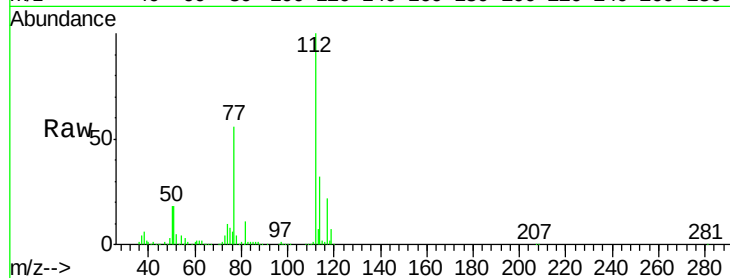
112 100

114 31.7 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

11.44

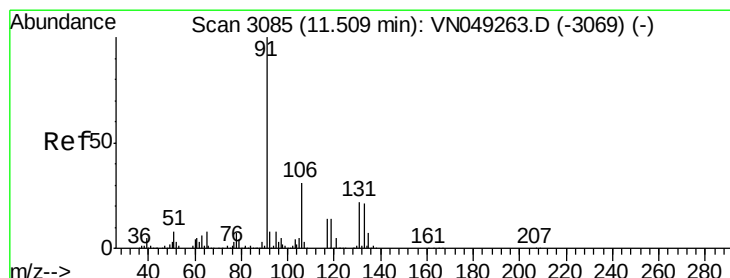
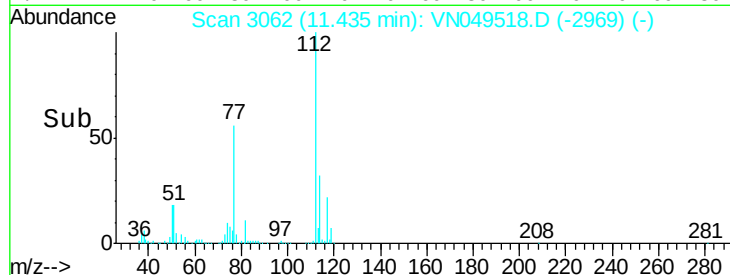
600000

400000

200000

0

Time--> 11.30 11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 19.36 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

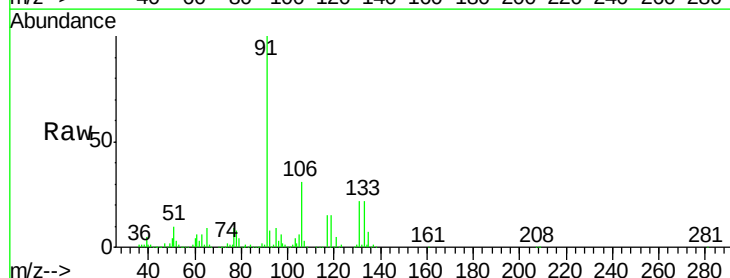
Tgt Ion:131 Resp: 393994

Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

119 65.7 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

11.51

500000

400000

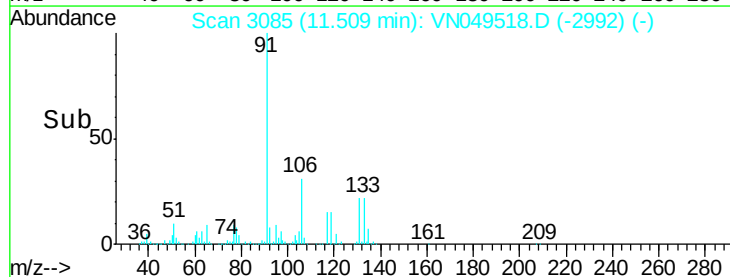
300000

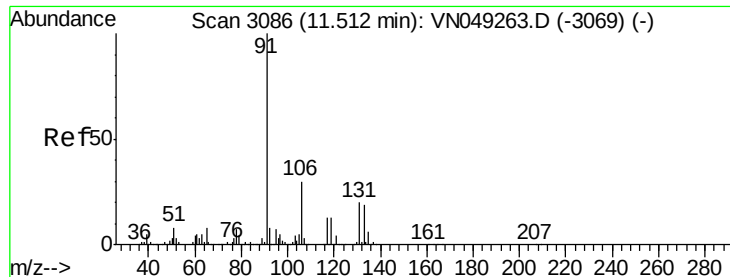
200000

100000

0

Time--> 11.50 11.60





#67

Ethyl Benzene

Concen: 19.63 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampled :

VN0625WBSD01

Tot Ion: 91 Resp: 1761348

Ion Ratio Lower Upper

91 100

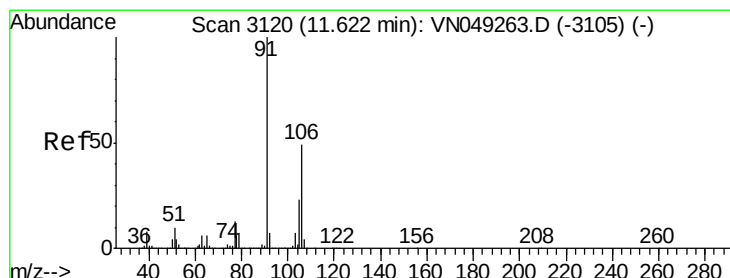
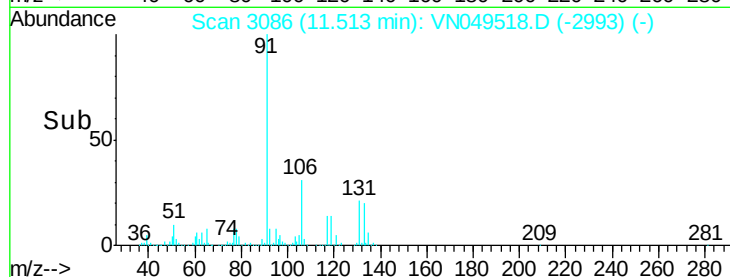
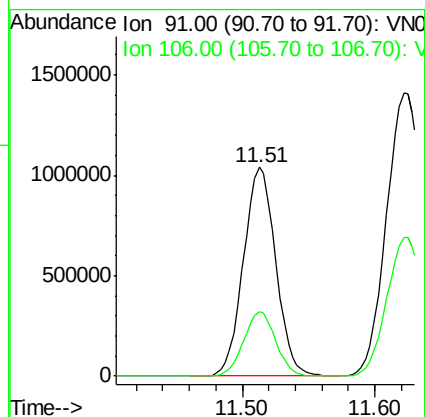
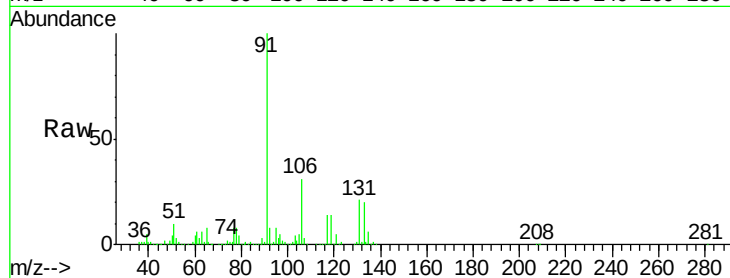
106 30.9 23.9 35.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.03 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049518.D

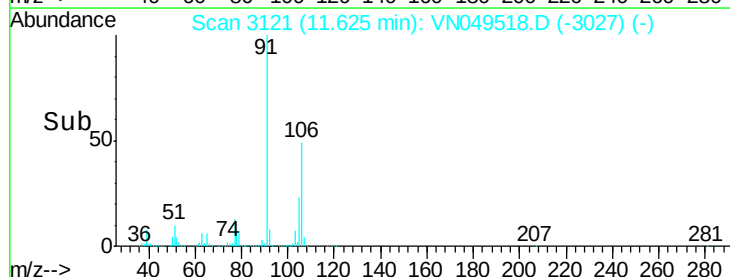
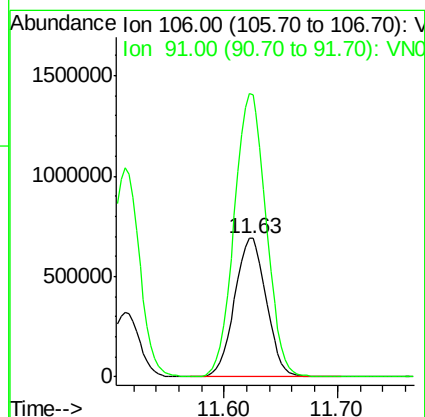
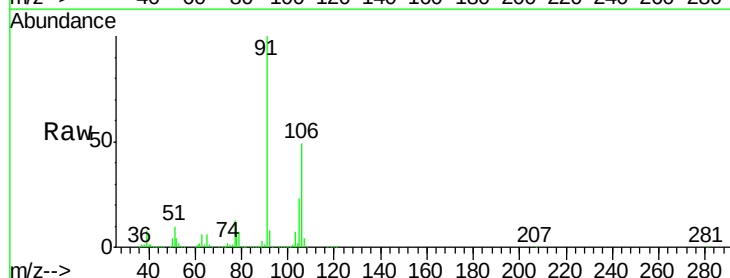
Acq: 25 Jun 2018 18:29

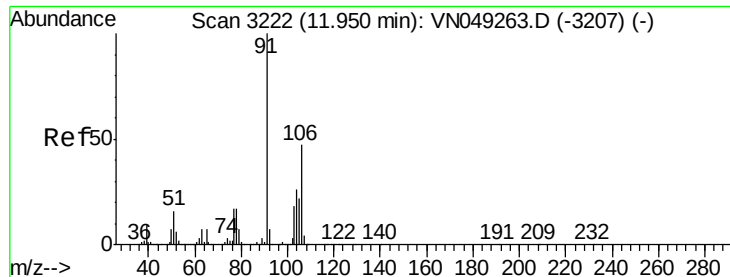
Tgt Ion: 106 Resp: 1347774

Ion Ratio Lower Upper

106 100

91 205.4 167.3 250.9





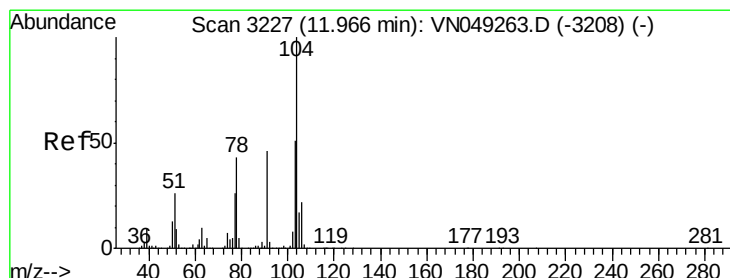
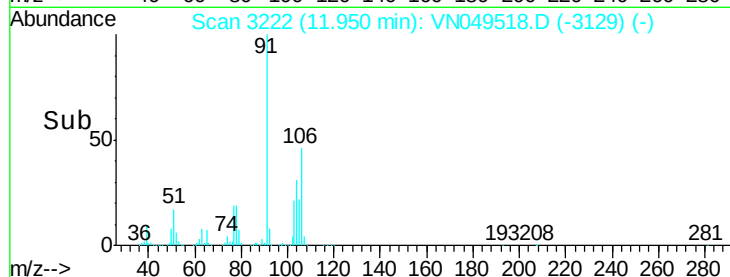
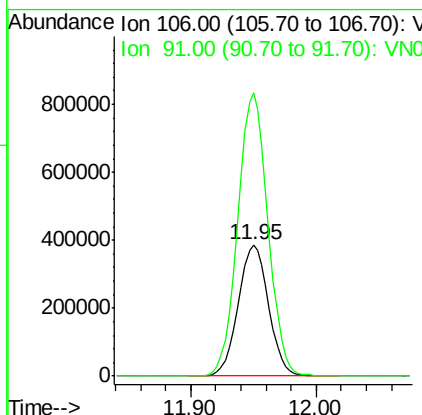
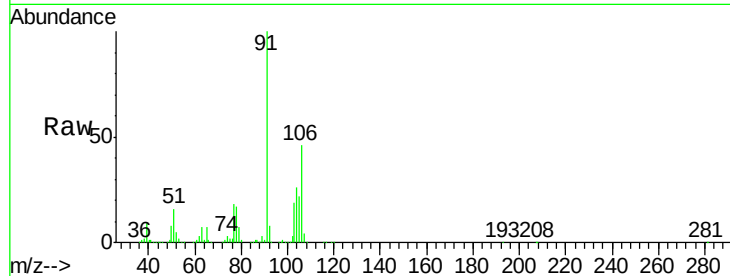
#69
o-Xylene
Concen: 19.95 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	646990		
91	91	214.8	111.0	333.0	

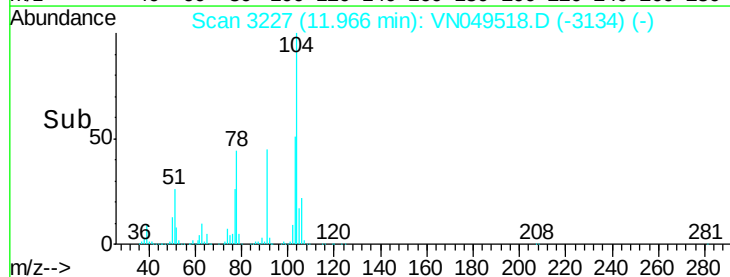
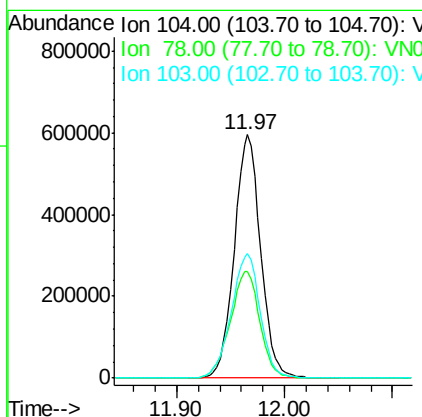
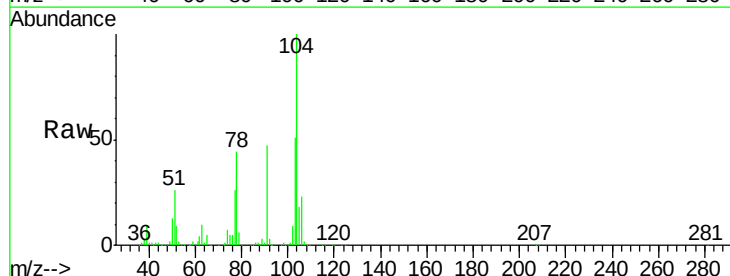
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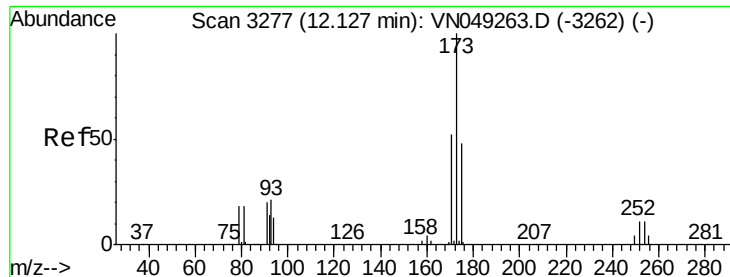
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#70
Styrene
Concen: 19.83 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049518.D
Acq: 25 Jun 2018 18:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	1014611		
78	78	49.2	41.6	62.4	
103	103	56.3	45.4	68.2	





#71

Bromoform

Concen: 19.85 ug/l

RT: 12.13 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

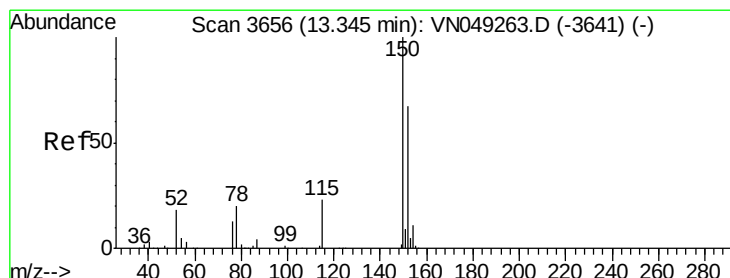
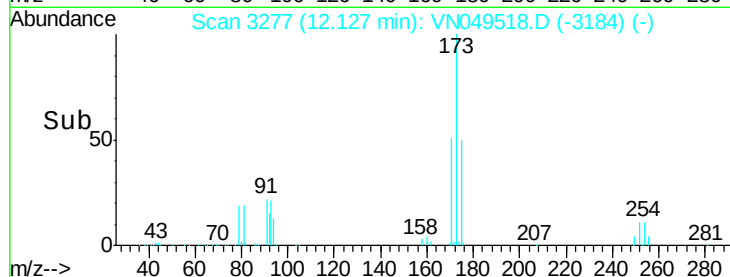
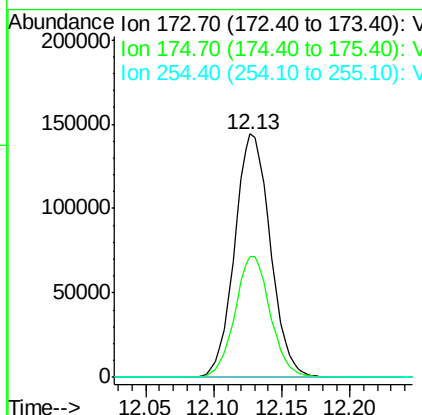
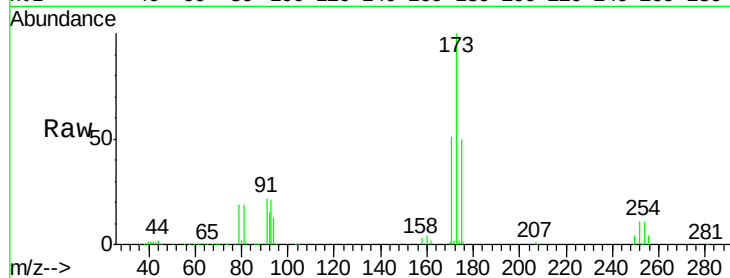
ClientSampleId :

VN0625WBSD01

Tot Ion:	173	Resp:	261587
Ion Ratio	Lower	Upper	
173	100		
175	49.2	24.5	73.5
254	0.1	0.1	0.1

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

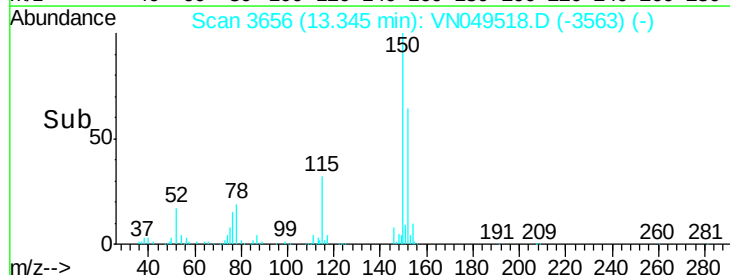
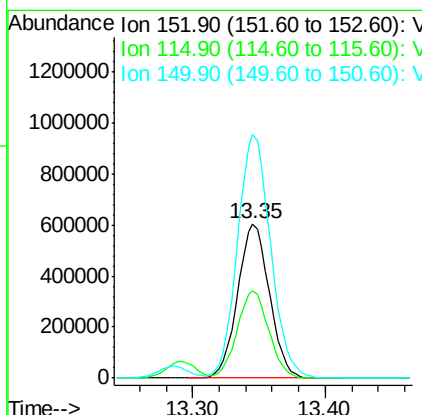
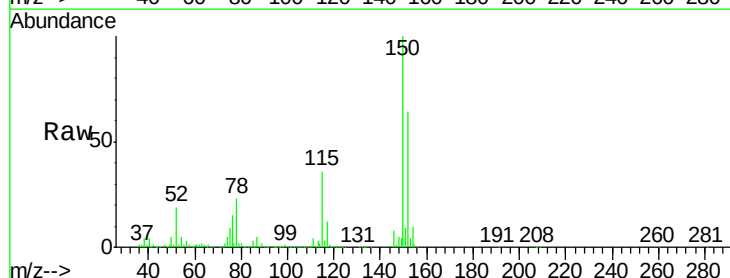
RT: 13.35 min Scan# 3656

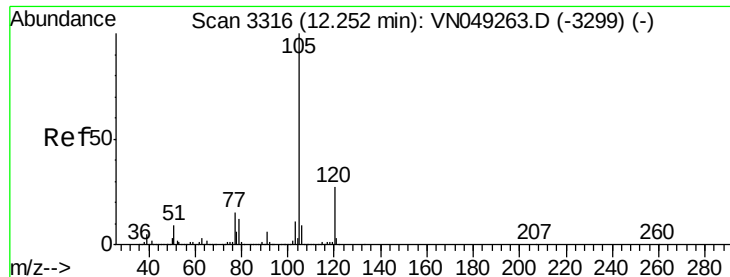
Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	152	Resp:	1003850
Ion Ratio	Lower	Upper	
152	100		
115	56.2	28.7	86.1
150	164.7	0.0	351.0





#73

Isopropylbenzene

Concen: 19.52 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBSD01

Tot Ion:105 Resp: 1720747

Ion Ratio Lower Upper

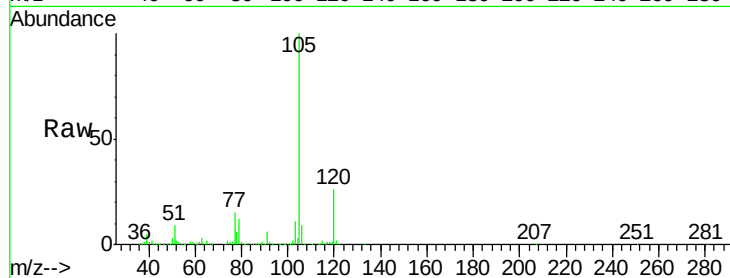
105 100

120 26.6 12.8 38.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

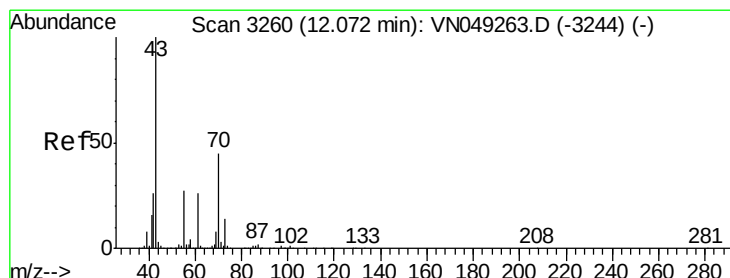
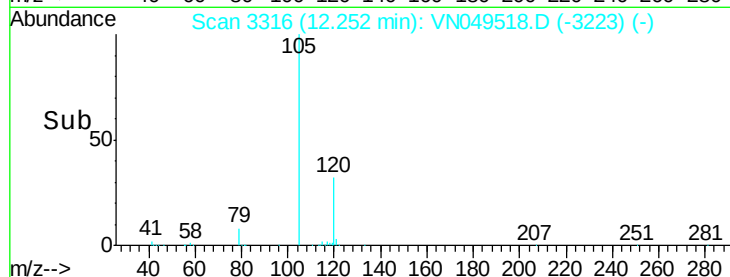
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 18.94 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion: 43 Resp: 408800

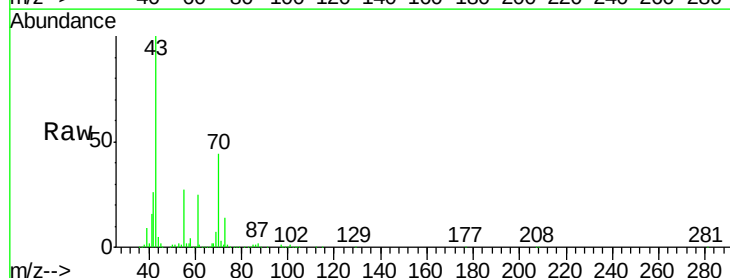
Ion Ratio Lower Upper

43 100

70 43.3 30.3 45.5

55 27.0 19.4 29.2

61 24.8 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

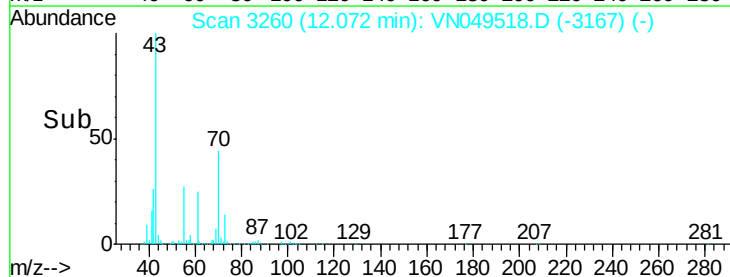
300000

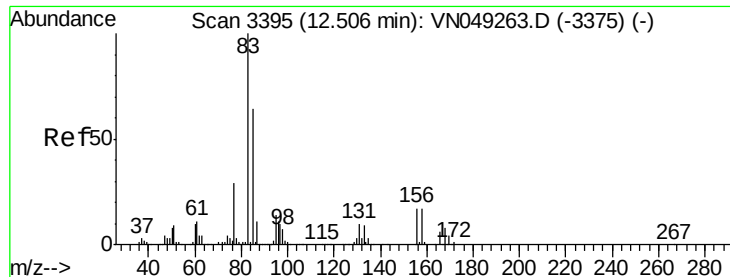
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.03 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

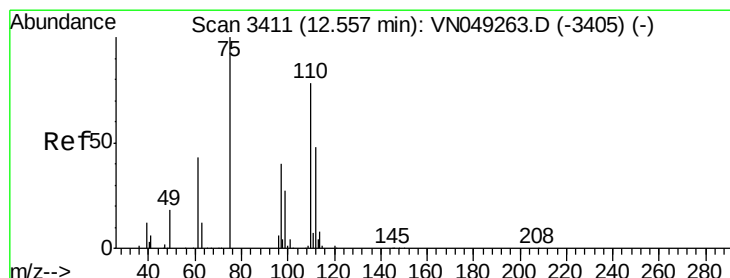
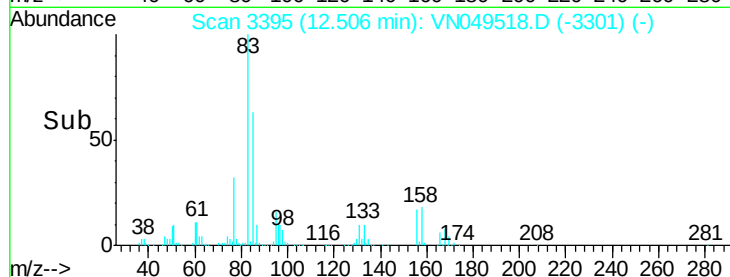
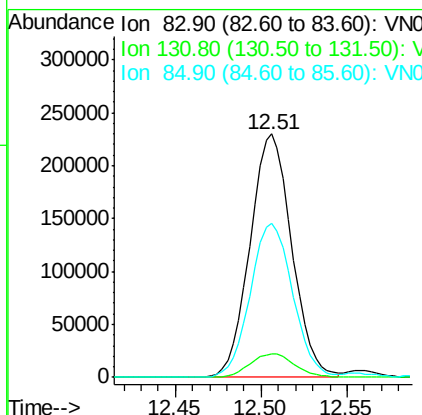
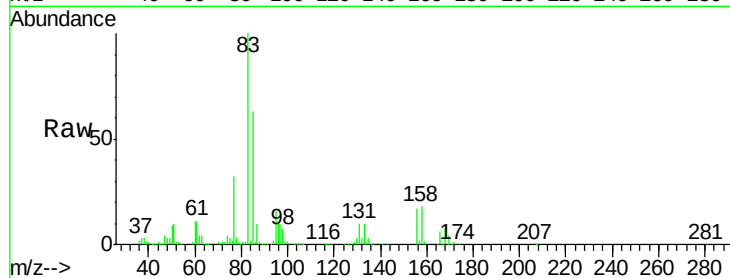
ClientSampleId :

VN0625WBSD01

Tot Ion:	83	Resp:	387499
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	64.4	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.97 ug/l m

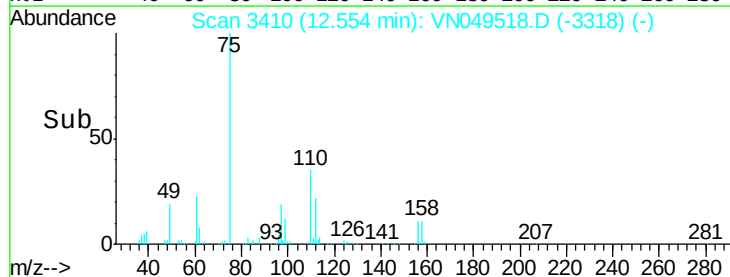
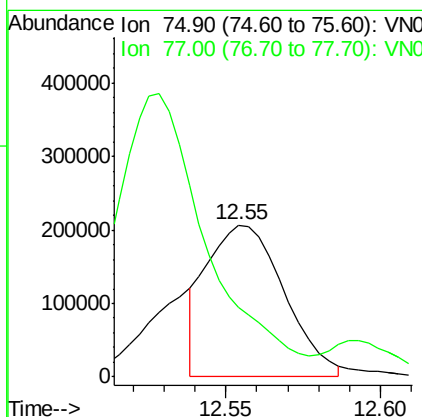
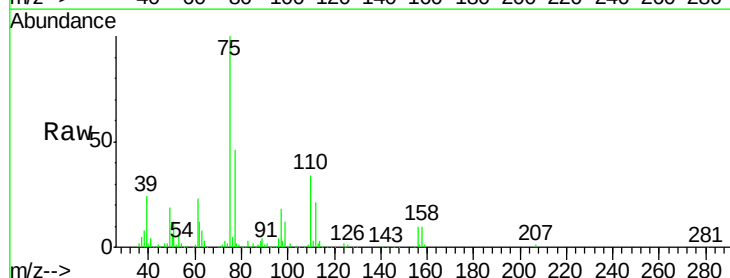
RT: 12.55 min Scan# 3410

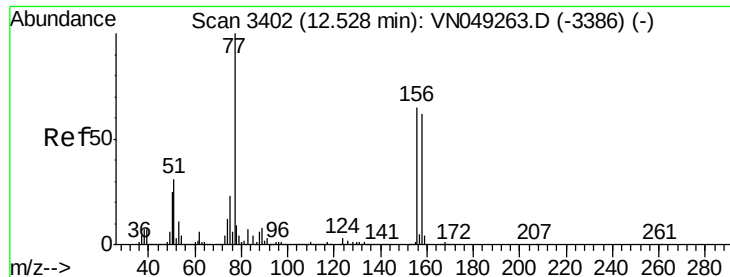
Delta R.T. -0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	75	Resp:	359097
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.73 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

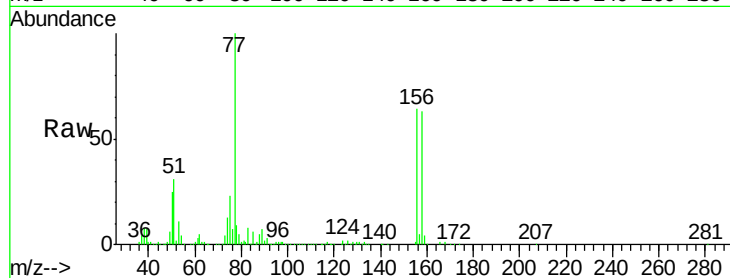
ClientSampleId :

VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	183.0	100.8	302.4
158	97.5	49.3	147.9

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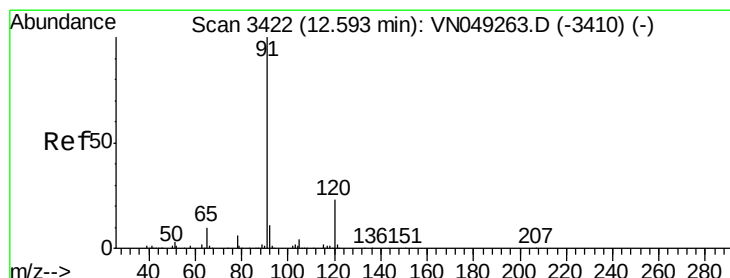
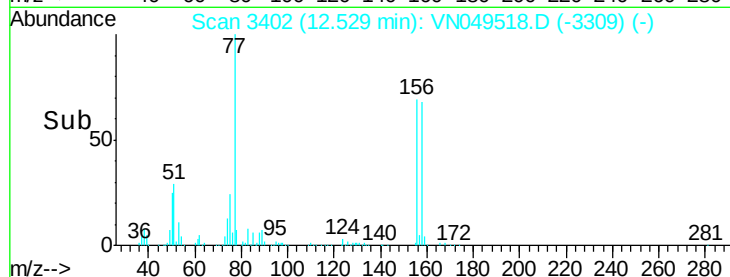
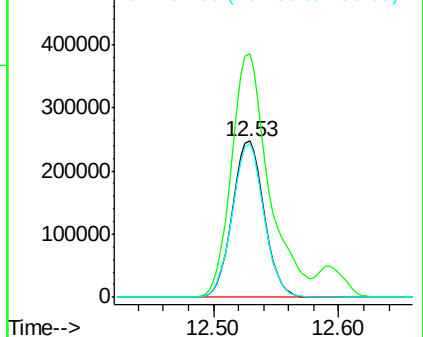
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.71 ug/l

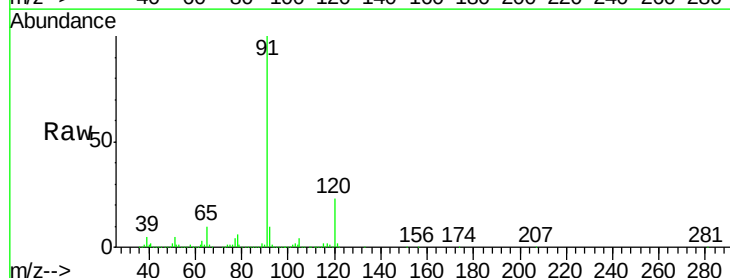
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049518.D

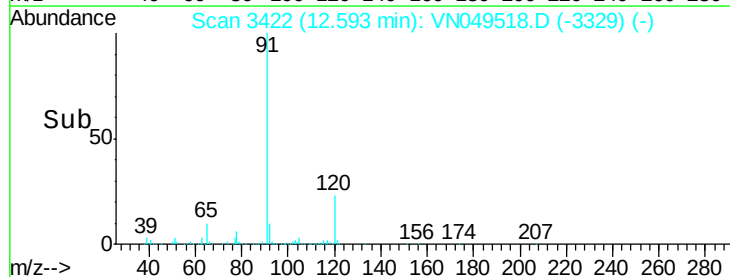
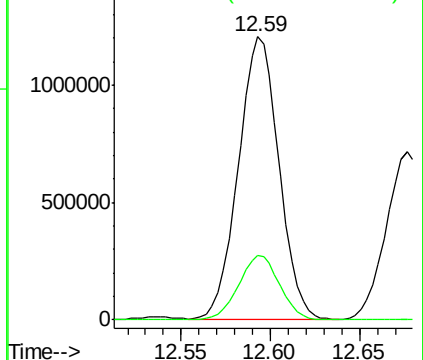
Acq: 25 Jun 2018 18:29

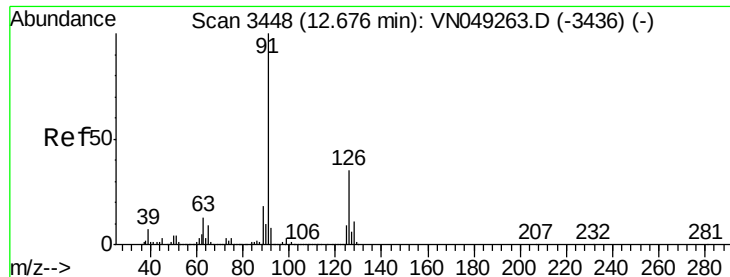
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.24 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBSD01

Tot Ion: 91 Resp: 1180014

Ion Ratio Lower Upper

91 100

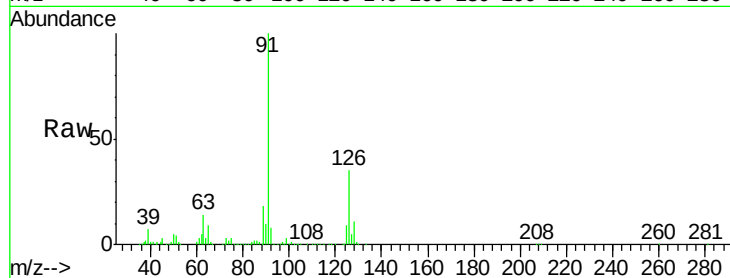
126 35.1 16.6 49.8

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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) (-)

1200000

1000000

800000

600000

400000

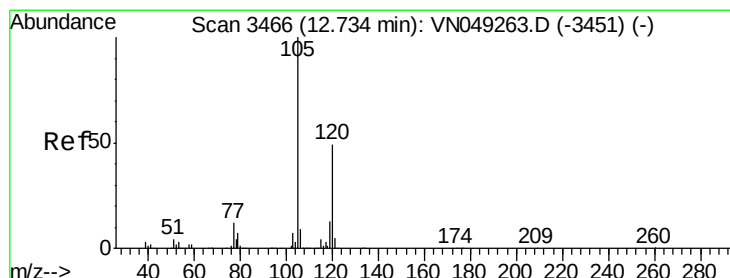
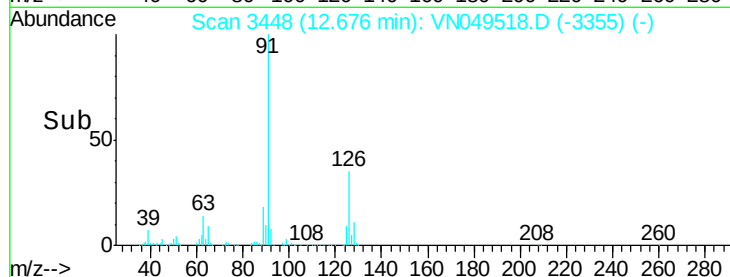
200000

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.30 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049518.D

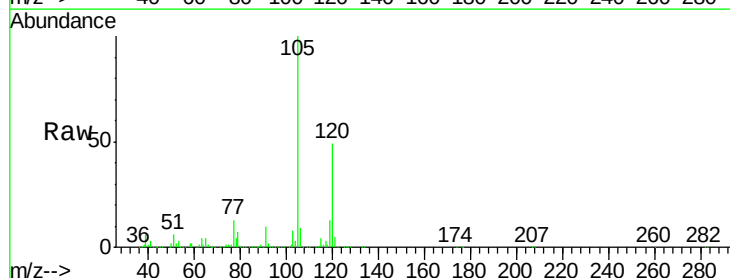
Acq: 25 Jun 2018 18:29

Tgt Ion: 105 Resp: 1406159

Ion Ratio Lower Upper

105 100

120 49.0 23.5 70.5



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

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

1000000

800000

600000

400000

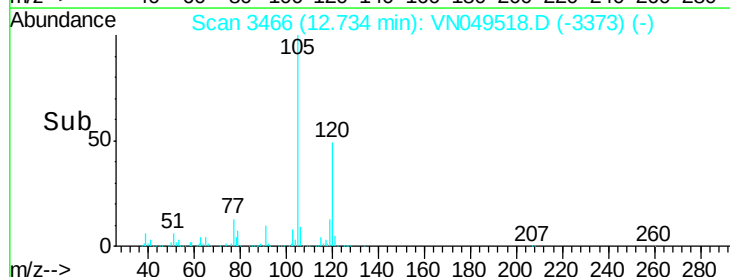
200000

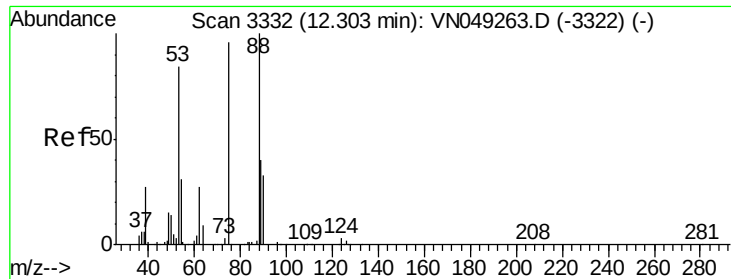
0

12.70

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.22 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

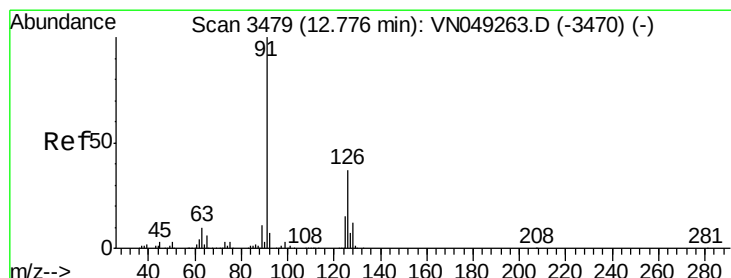
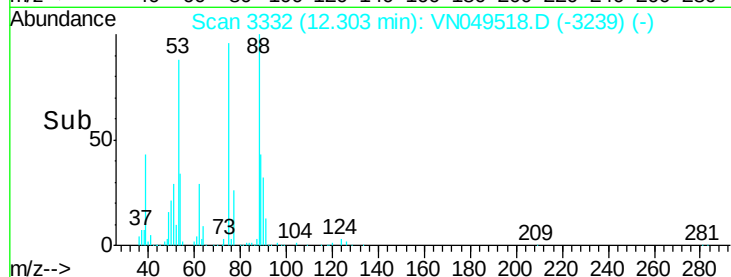
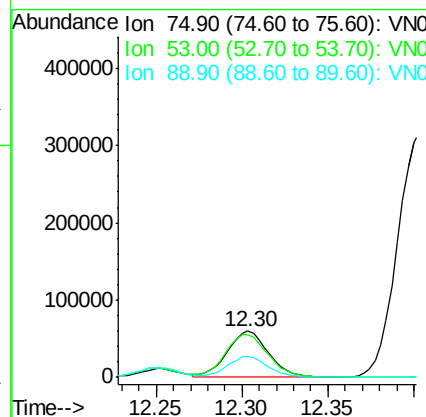
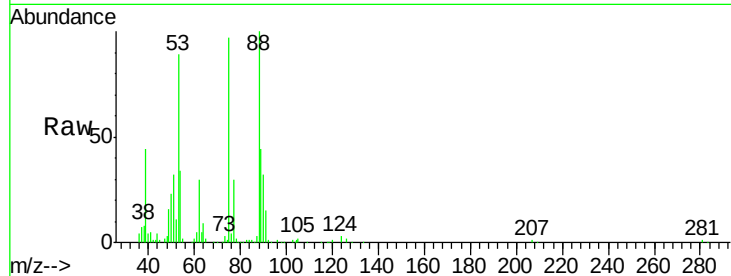
ClientSampleId :

VN0625WBSD01

Tot Ion:	75	Resp:	98751
Ion	Ratio	Lower	Upper
75	100		
53	96.9	82.7	124.1
89	45.3	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.64 ug/l

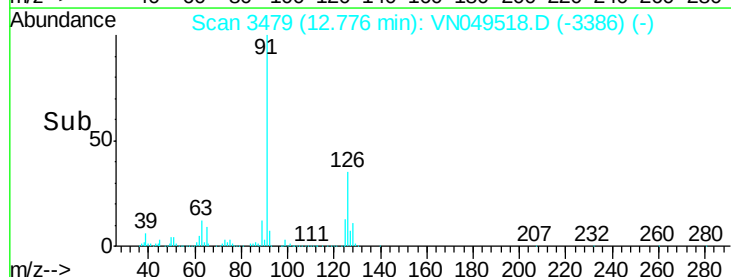
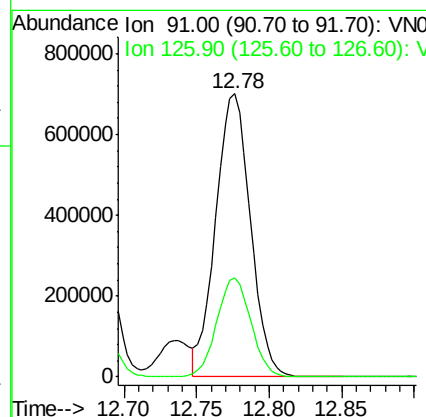
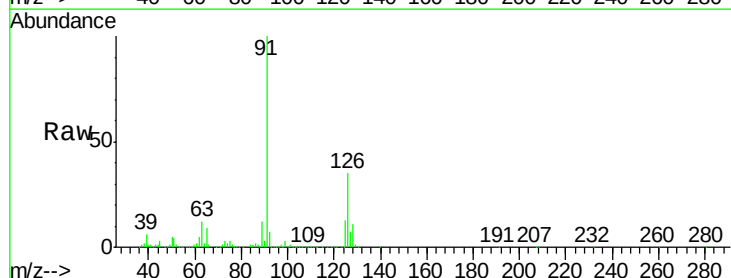
RT: 12.78 min Scan# 3479

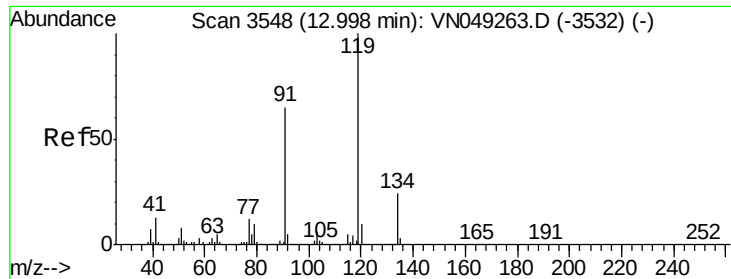
Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	91	Resp:	1162044
Ion	Ratio	Lower	Upper
91	100		
126	34.3	16.4	49.1





#83

tert-Butylbenzene

Concen: 19.16 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBSD01

Tot Ion:119 Resp: 1176199

Ion Ratio Lower Upper

119 100

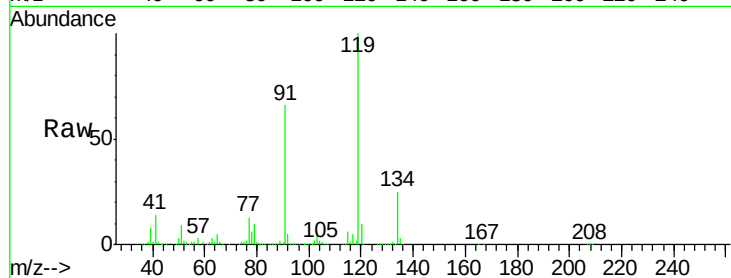
91 65.2 33.7 101.0

134 26.3 12.9 38.6

Manual Integrations
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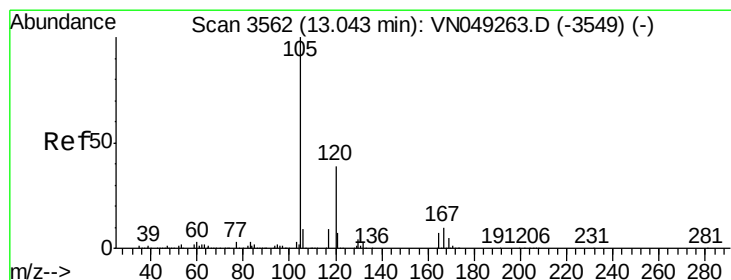
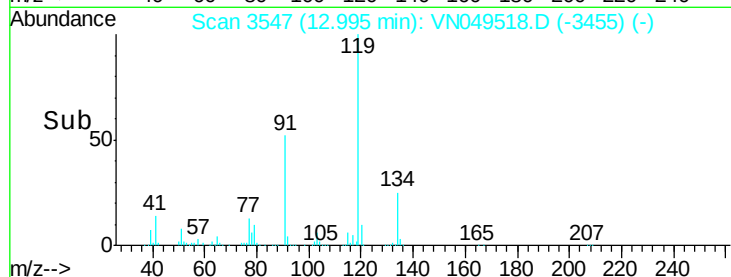
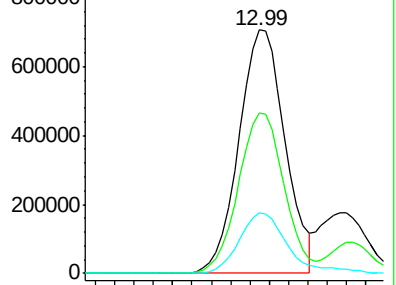
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.26 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049518.D

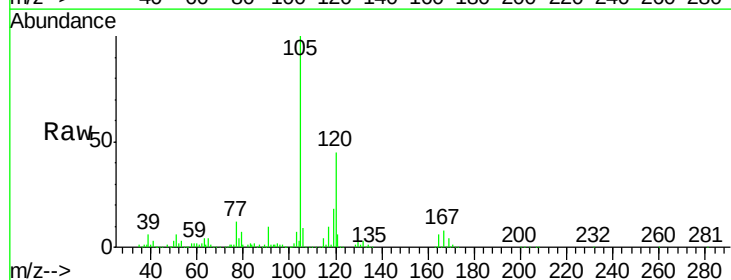
Acq: 25 Jun 2018 18:29

Tgt Ion:105 Resp: 1394570

Ion Ratio Lower Upper

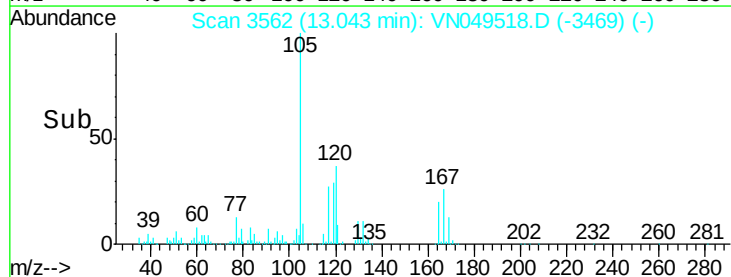
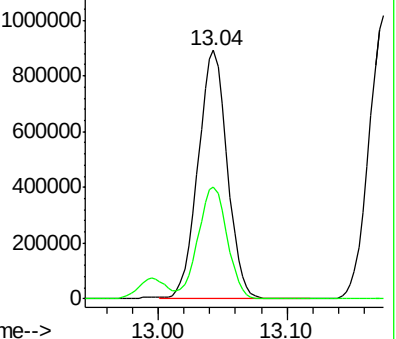
105 100

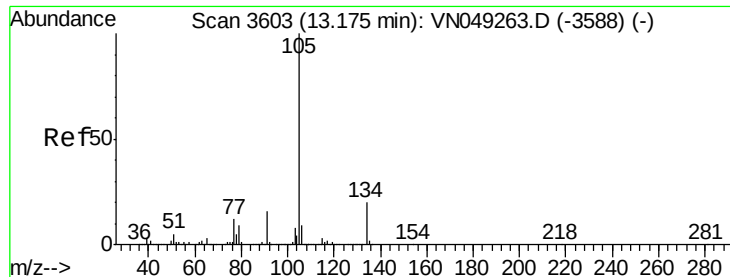
120 45.3 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.35 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBSD01

Tot Ion:105 Resp: 1581107

Ion Ratio Lower Upper

105 100

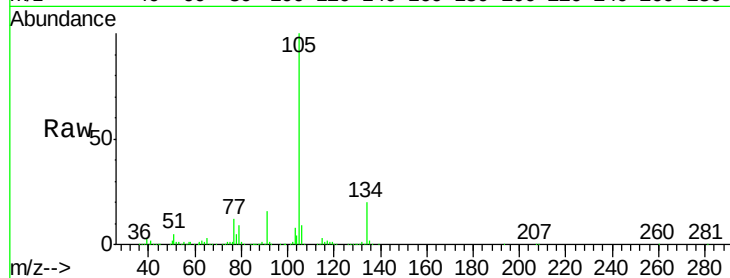
134 20.3 9.8 29.3

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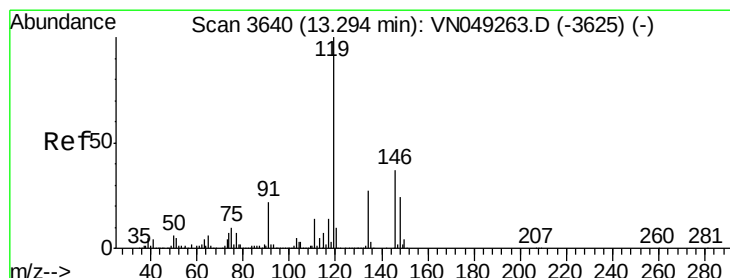
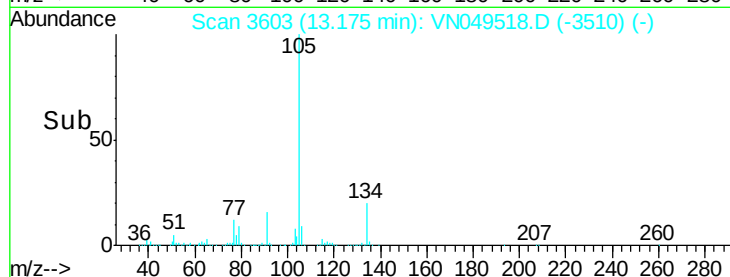
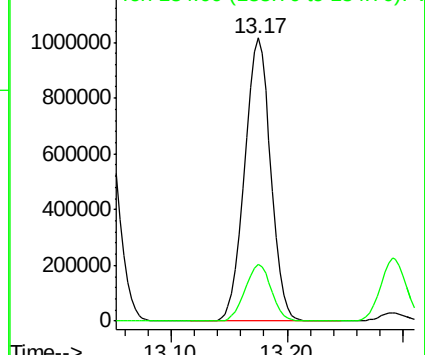
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 19.59 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

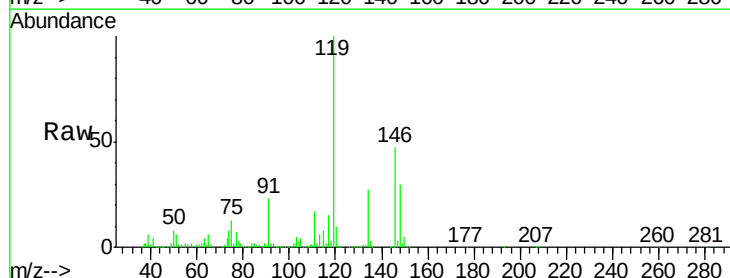
Tgt Ion:119 Resp: 1337144

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

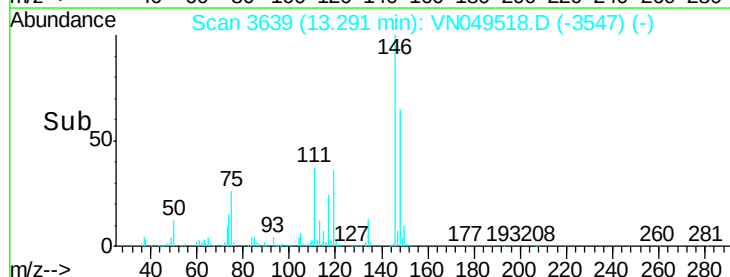
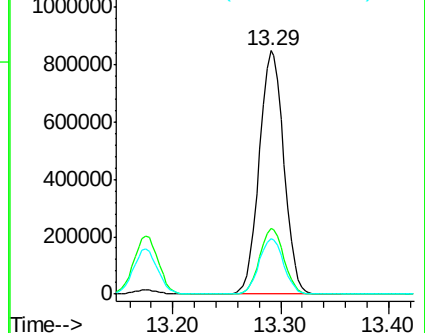
91 22.7 12.1 36.3

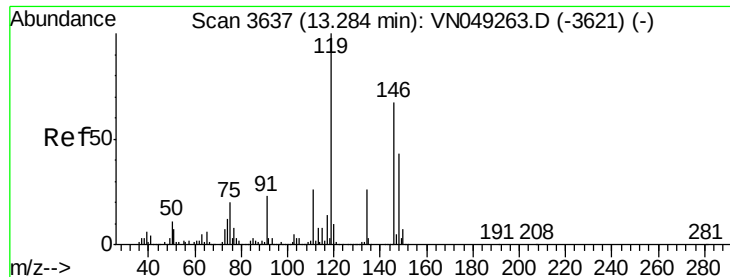


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.11 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

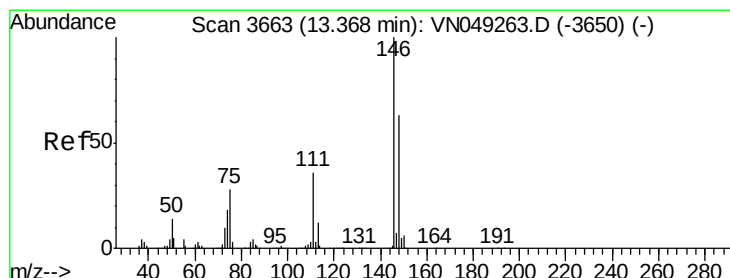
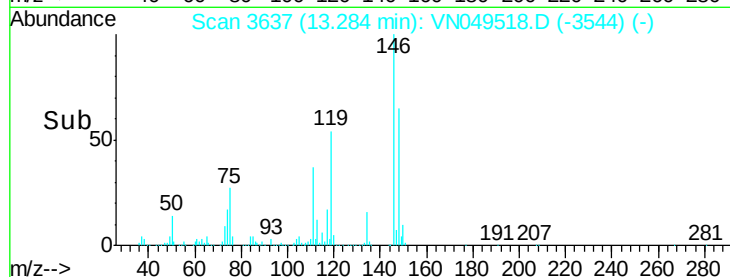
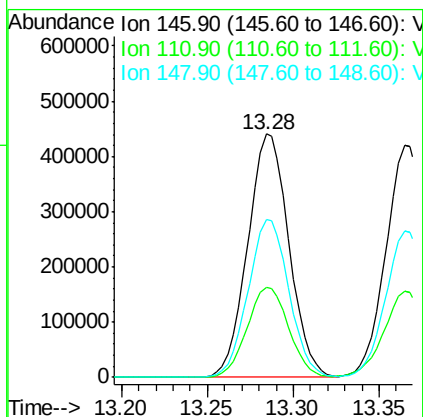
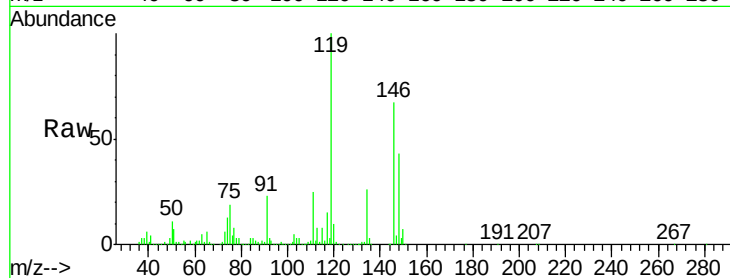
ClientSampleId :

VN0625WBSD01

Tot Ion:	146	Resp:	732096
Ion Ratio	Lower	Upper	
146	100		
111	37.6	19.9	59.6
148	64.3	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 18.52 ug/l

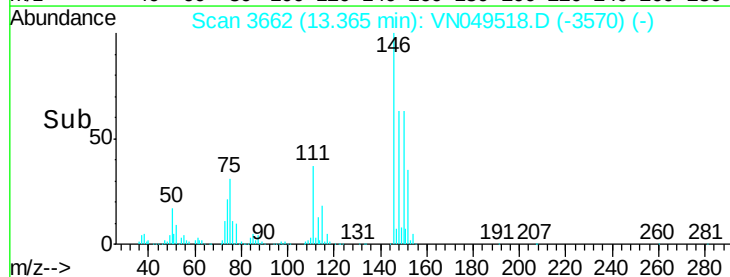
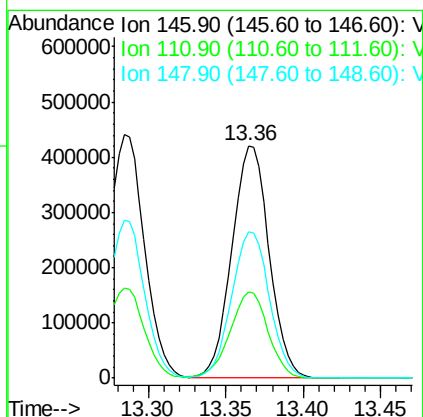
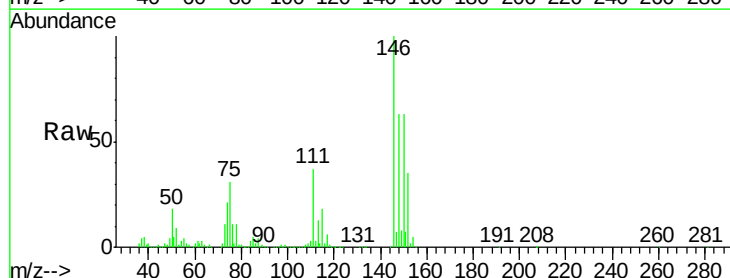
RT: 13.36 min Scan# 3662

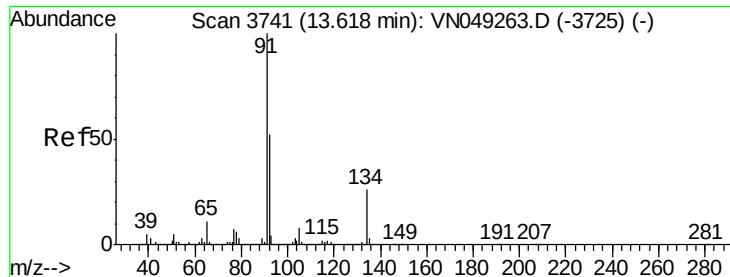
Delta R.T. -0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	146	Resp:	703165
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.1	57.1
148	64.0	32.0	96.2





#89

n-Butylbenzene

Concen: 17.76 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

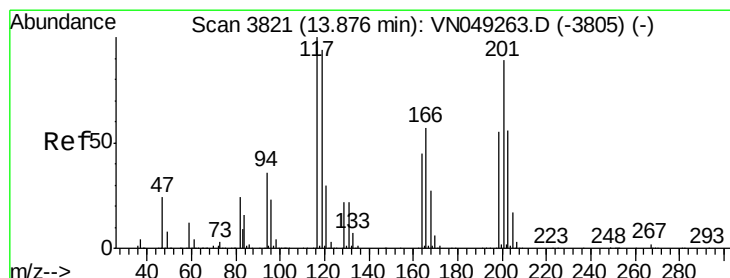
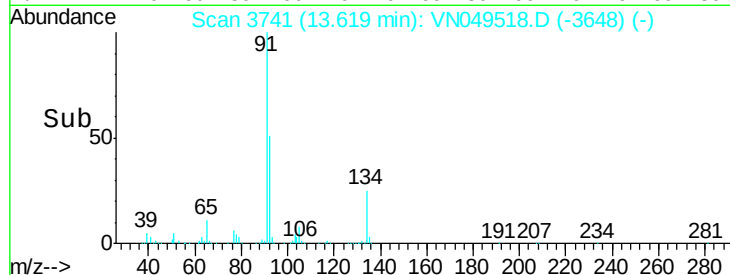
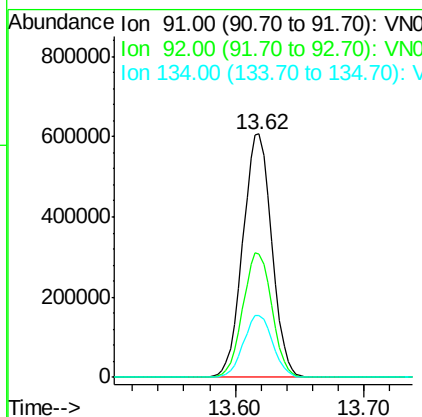
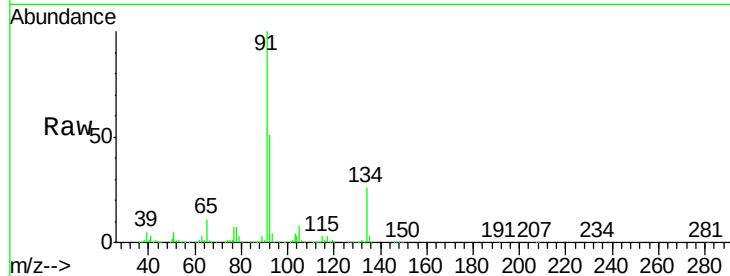
ClientSampled :

VN0625WBSD01

Tot Ion:	91	Resp:	946870
Ion Ratio	Lower	Upper	
91	100		
92	51.3	25.1	75.4
134	25.7	12.0	36.0

Manual Integrations
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#90

Hexachloroethane

Concen: 20.06 ug/l

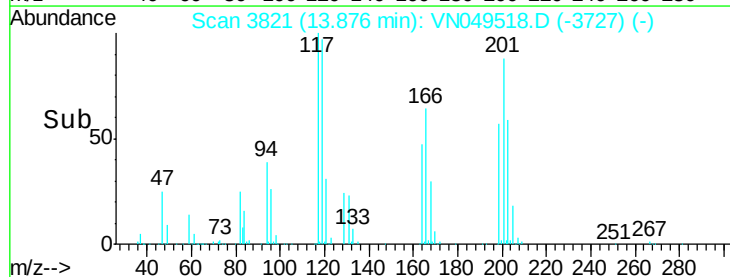
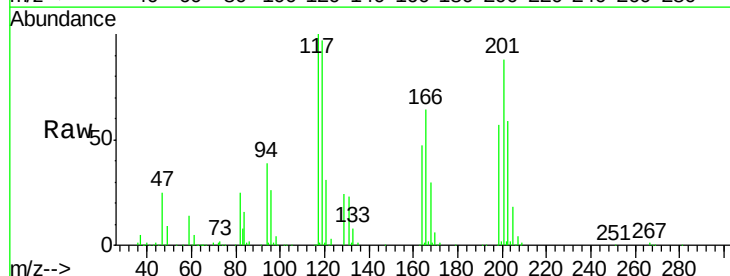
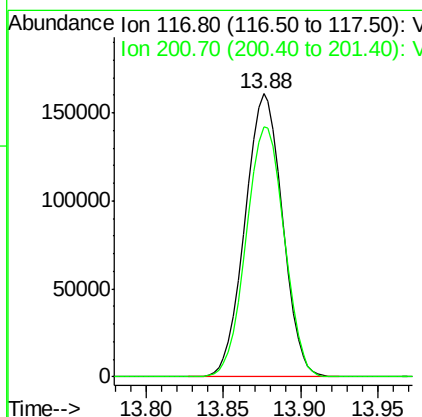
RT: 13.88 min Scan# 3821

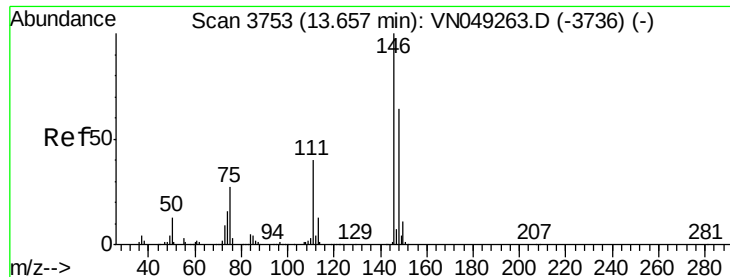
Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	117	Resp:	272292
Ion Ratio	Lower	Upper	
117	100		
201	89.8	40.1	120.2





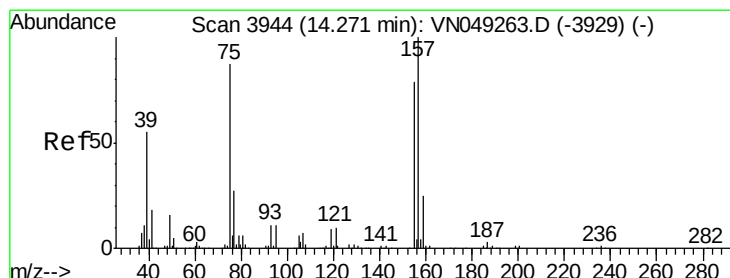
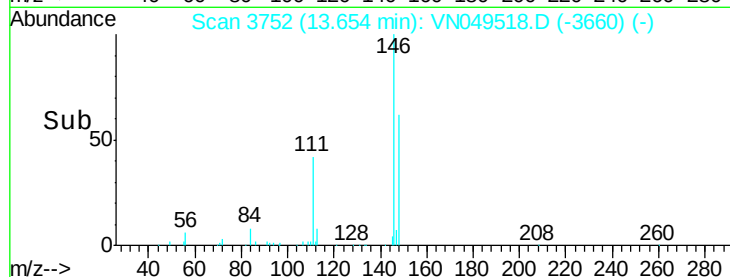
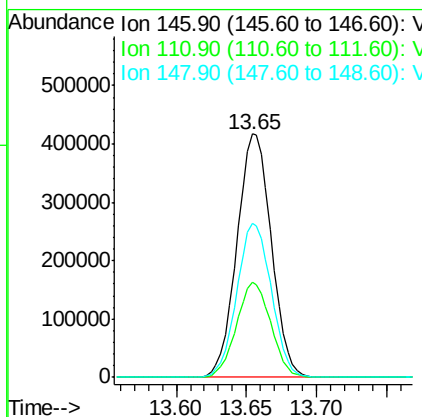
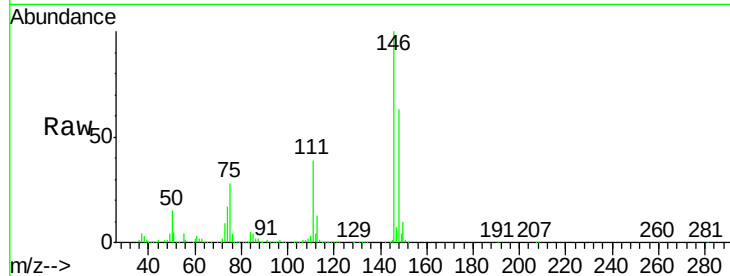
#91
 1,2-Dichlorobenzene
 Concen: 18.99 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.8	62.2
148	63.6	32.0	96.2

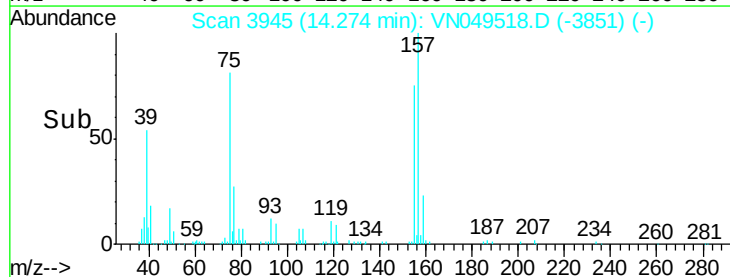
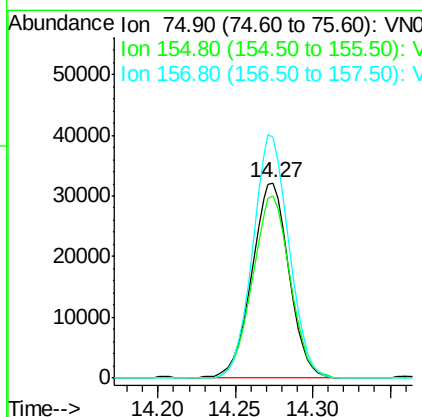
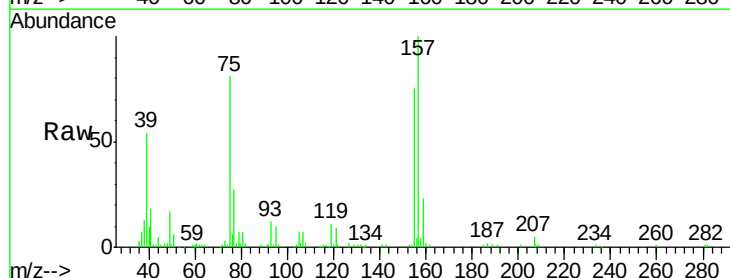
Manual Integrations
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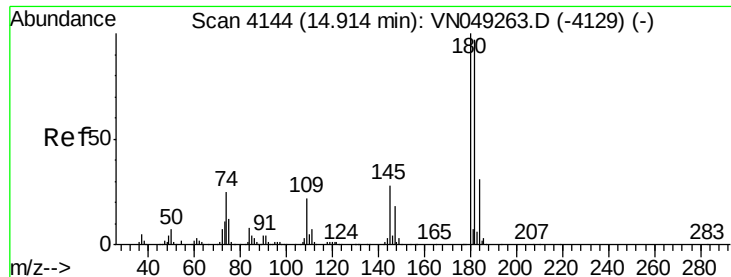
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.50 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.6	38.8	116.3
157	121.3	51.0	153.1





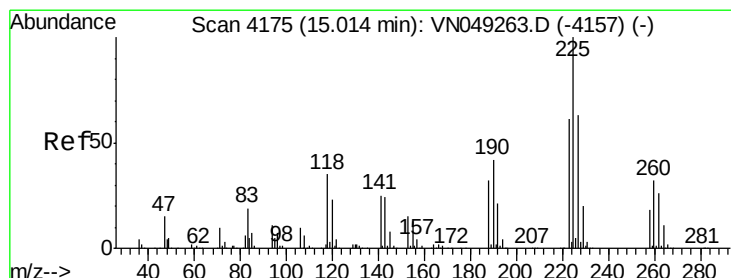
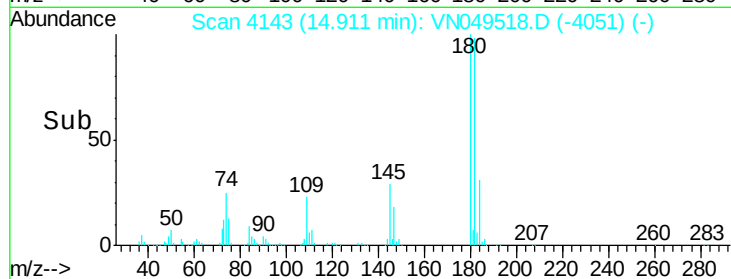
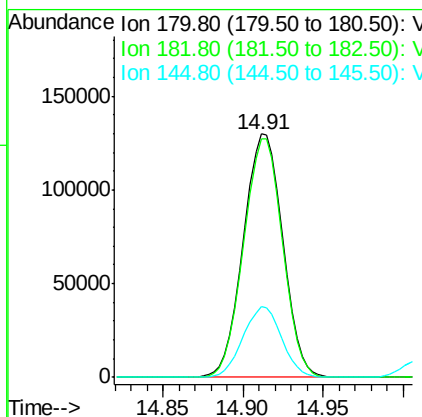
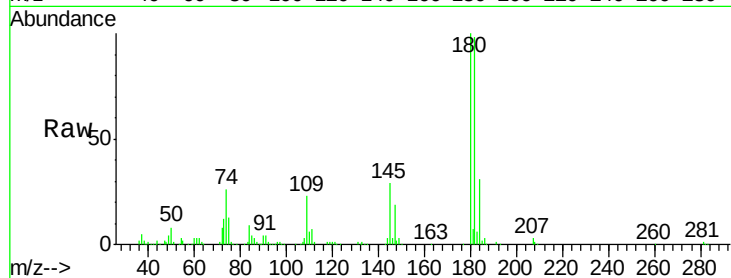
#93
 1,2,4-Trichlorobenzene
 Concen: 16.22 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Instrument :
 MSVOA_N
 ClientSampled :
 VN0625WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	218345		
182	96.7	46.9	140.8	
145	28.5	14.7	44.1	

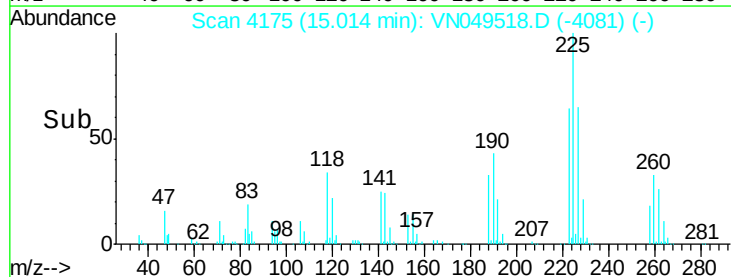
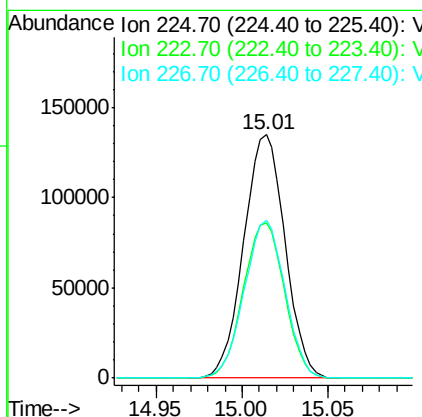
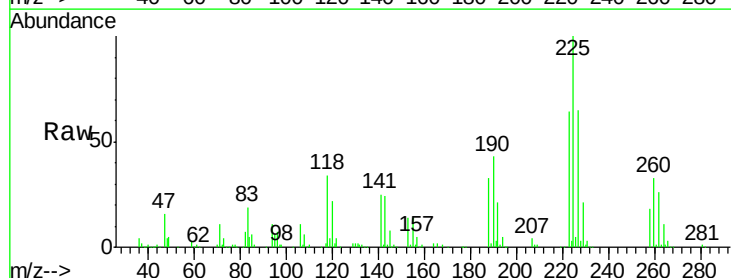
Manual Integrations
 APPROVED

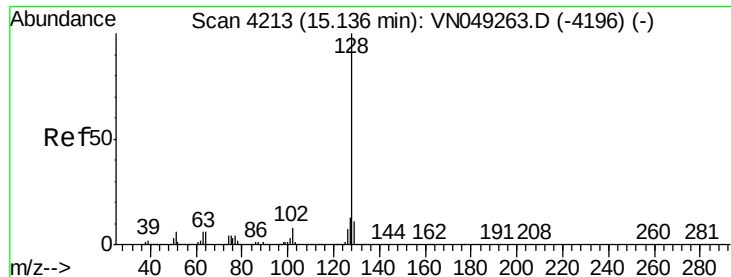
apatel
 6/26/2018 5:14:23 PM



#94
 Hexachlorobutadiene
 Concen: 18.80 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049518.D
 Acq: 25 Jun 2018 18:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	225248		
223	63.5	32.1	96.3	
227	63.7	31.8	95.3	





#95

Naphthalene

Concen: 16.77 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Instrument :

MSVOA_N

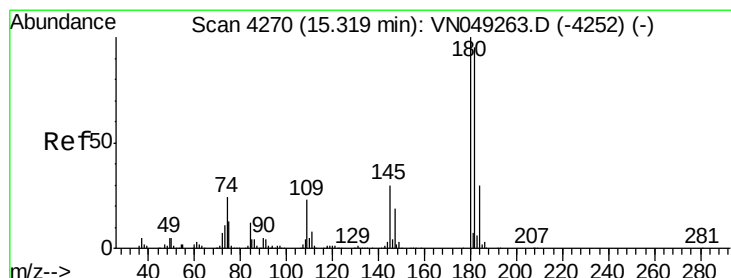
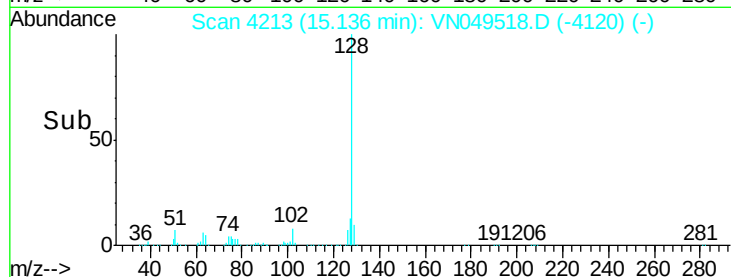
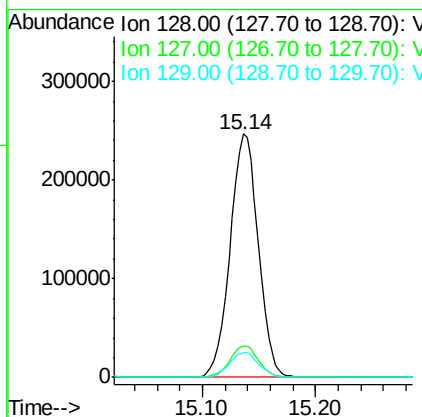
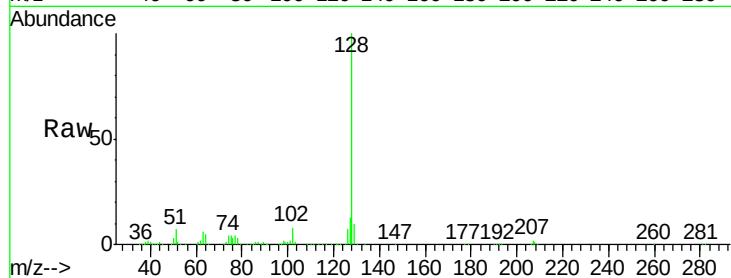
ClientSampled :

VN0625WBSD01

Tot Ion:	128	Resp:	426642
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.7	8.5	12.7

Manual Integrations
APPROVED

apatel
6/26/2018 5:14:23 PM



#96

1,2,3-Trichlorobenzene

Concen: 16.82 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049518.D

Acq: 25 Jun 2018 18:29

Tgt Ion:	180	Resp:	241682
Ion Ratio	Lower	Upper	
180	100		
182	96.8	47.3	141.8
145	31.5	15.6	46.7

