

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049532.D
 Acq On : 26 Jun 2018 1:20
 Operator : MD\SY
 Sample : VN0625WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

Manual Integrations
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 6/26/2018 5:15:32 PM

Quant Time: Jun 26 03:41:53 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	1395492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2111317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1889103	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	874705	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	921529	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	7.59	113	825835	48.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.70%	
50) Toluene-d8	10.09	98	3093036	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
62) 4-Bromofluorobenzene	12.40	95	983048	45.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	257226	16.01	ug/l	100
3) Chloromethane	2.06	50	333937	16.10	ug/l	97
4) Vinyl Chloride	2.18	62	374035	16.97	ug/l	99
5) Bromomethane	2.57	94	213324	18.41	ug/l	97
6) Chloroethane	2.71	64	237030	18.03	ug/l	98
7) Trichlorofluoromethane	3.02	101	522883	19.01	ug/l	100
8) Diethyl Ether	3.41	74	179899	18.74	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	317327	18.19	ug/l	94
10) Methyl Iodide	3.95	142	359383	19.79	ug/l	91
11) Tert butyl alcohol	4.79	59	95191	87.63	ug/l	98
12) 1,1-Dichloroethene	3.74	96	289887	18.12	ug/l	89
13) Acrolein	3.61	56	131548	115.47	ug/l	99
14) Allyl chloride	4.32	41	458931	18.17	ug/l	89
15) Acrylonitrile	4.99	53	506323	93.21	ug/l	98
16) Acetone	3.82	43	369731	82.27	ug/l	95
17) Carbon Disulfide	4.05	76	811980	16.19	ug/l	100
18) Methyl Acetate	4.33	43	291449	21.27	ug/l	95
19) Methyl tert-butyl Ether	5.05	73	782020	19.17	ug/l	96
20) Methylene Chloride	4.55	84	349796	18.64	ug/l	91
21) trans-1,2-Dichloroethene	5.04	96	305596	18.04	ug/l	89
22) Diisopropyl ether	5.96	45	999475	19.81	ug/l	98
23) Vinyl Acetate	5.90	43	3032042	92.19	ug/l	97
24) 1,1-Dichloroethane	5.85	63	608903	18.86	ug/l	98
25) 2-Butanone	6.84	43	538596	89.25	ug/l	96
26) 2,2-Dichloropropane	6.83	77	431098	16.53	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	351615	18.67	ug/l	91
28) Bromochloromethane	7.20	49	295450	20.64	ug/l	85
29) Tetrahydrofuran	7.22	42	363488	93.58	ug/l	95
30) Chloroform	7.37	83	621435	19.34	ug/l	99
31) Cyclohexane	7.65	56	509663	18.51	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	530727	19.36	ug/l	97
36) 1,1-Dichloropropene	7.79	75	455132	18.81	ug/l	98
37) Ethyl Acetate	6.93	43	256070	19.47	ug/l	98
38) Carbon Tetrachloride	7.78	117	472630	18.87	ug/l	98

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Quant Time: Jun 26 03:41:53 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)

39) Methylcyclohexane	9.08	83	448844	17.28	ug/l	98
40) Benzene	8.04	78	1386752	18.69	ug/l	99
41) Methacrylonitrile	7.18	41	136416	19.18	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	436180	19.03	ug/l	97
43) Isopropyl Acetate	8.17	43	484964	19.29	ug/l	97
44) Trichloroethene	8.84	130	377412	19.27	ug/l	95
45) 1,2-Dichloropropane	9.12	63	360335	18.55	ug/l	99
46) Dibromomethane	9.21	93	212108	18.83	ug/l	91
47) Bromodichloromethane	9.40	83	471647	19.06	ug/l	97
48) Methyl methacrylate	9.20	41	228871	19.34	ug/l	90
49) 1,4-Dioxane	9.20	88	57703	353.23	ug/l	95
51) 4-Methyl-2-Pentanone	9.99	43	1244293	94.46	ug/l	94
52) Toluene	10.16	92	848423	19.49	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	414650	17.51	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	502534	17.98	ug/l	91
55) 1,1,2-Trichloroethane	10.56	97	305373	18.81	ug/l	97
56) Ethyl methacrylate	10.43	69	337642	18.03	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	502791	18.70	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	465516	79.88	ug/l	94
59) 2-Hexanone	10.75	43	755832	89.00	ug/l	94
60) Dibromochloromethane	10.90	129	337504	18.63	ug/l	100
61) 1,2-Dibromoethane	11.01	107	281498	18.66	ug/l	98
64) Tetrachloroethene	10.63	164	425515	21.98	ug/l	98
65) Chlorobenzene	11.44	112	905264	18.60	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	348436	19.03	ug/l	99
67) Ethyl Benzene	11.51	91	1518425	18.81	ug/l	98
68) m/p-Xylenes	11.62	106	1172980	38.72	ug/l	97
69) o-Xylene	11.95	106	562112	19.27	ug/l	96
70) Styrene	11.97	104	872070	18.94	ug/l	98
71) Bromoform	12.13	173	223406	18.85	ug/l #	99
73) Isopropylbenzene	12.25	105	1493632	19.45	ug/l	98
74) N-amyl acetate	12.07	43	326616	17.36	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	321512	18.96	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	279384m	18.72	ug/l	
77) Bromobenzene	12.53	156	379008	18.68	ug/l	90
78) n-propylbenzene	12.59	91	1629842	19.33	ug/l	98
79) 2-Chlorotoluene	12.68	91	1022979	19.15	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	1216618	20.15	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	75556	16.00	ug/l	96
82) 4-Chlorotoluene	12.78	91	997140	19.34	ug/l	98
83) tert-Butylbenzene	12.99	119	1018556	19.05	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1188936	19.83	ug/l	99
85) sec-Butylbenzene	13.17	105	1346618	18.92	ug/l	99
86) p-Isopropyltoluene	13.29	119	1118978	18.82	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	611996	18.34	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	585714	17.71	ug/l	100
89) n-Butylbenzene	13.62	91	764248	16.45	ug/l	98
90) Hexachloroethane	13.88	117	235974	19.95	ug/l	89
91) 1,2-Dichlorobenzene	13.65	146	599434	18.31	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	44131	16.50	ug/l	88

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ALS Vial : 25 Sample Multiplier: 1

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VN0625WBS02

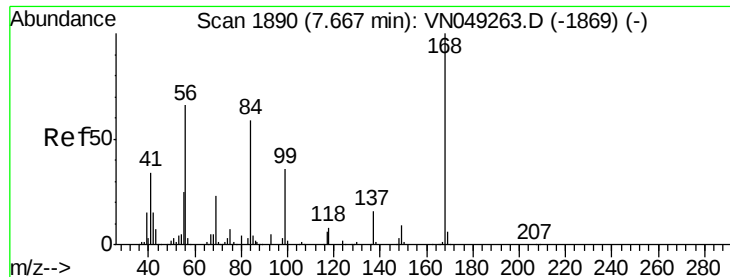
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	161466	14.49	ug/l	99
94) Hexachlorobutadiene	15.01	225	187238	17.81	ug/l	99
95) Naphthalene	15.14	128	321645	14.87	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	187075	15.33	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion:168 Resp: 1395492

Ion Ratio Lower Upper

168 100

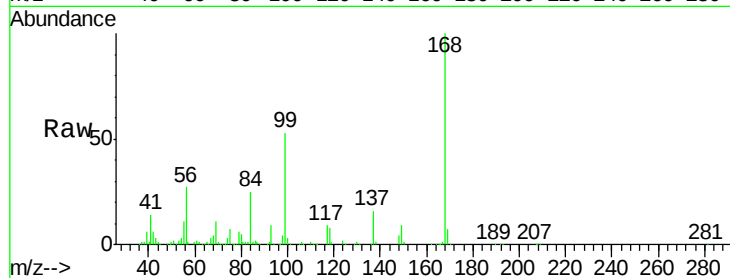
99 52.2 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

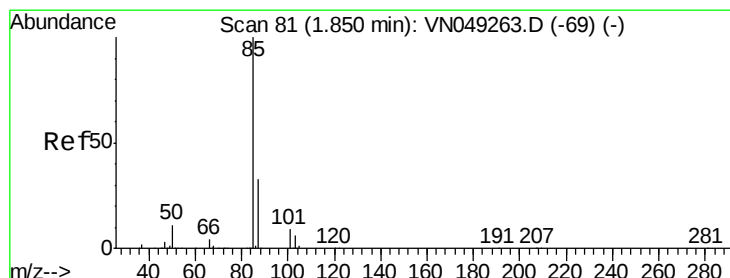
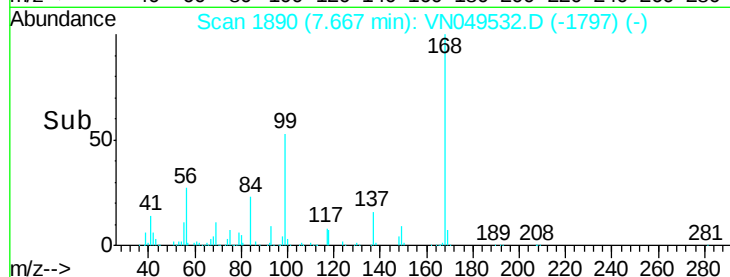
600000

400000

200000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 16.01 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049532.D

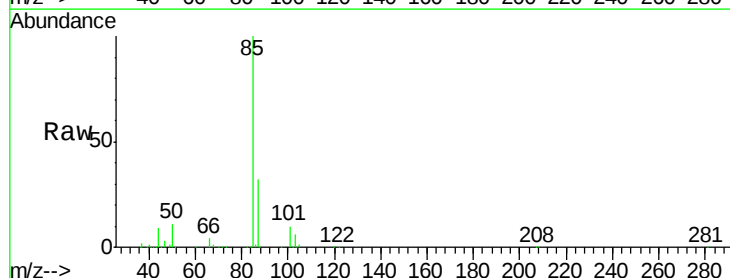
Acq: 26 Jun 2018 1:20

Tgt Ion: 85 Resp: 257226

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

200000

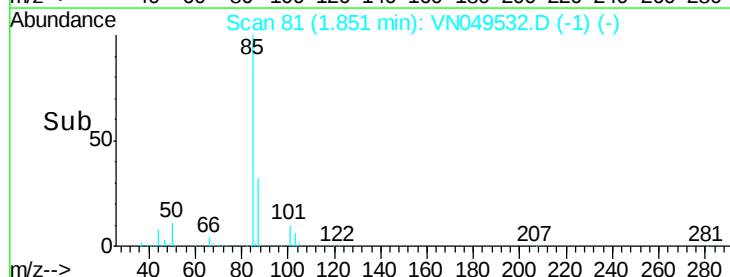
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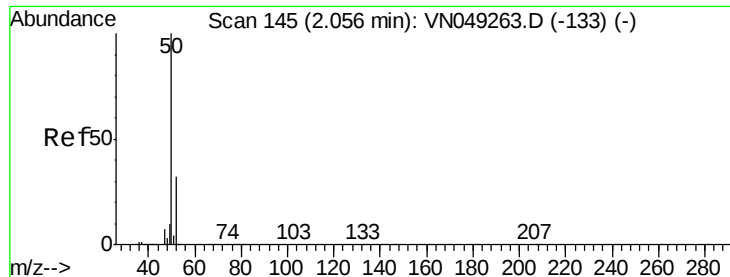
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50000

0

Time-->





#3

Chloromethane

Concen: 16.10 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion: 50 Resp: 333937

Ion Ratio Lower Upper

50 100

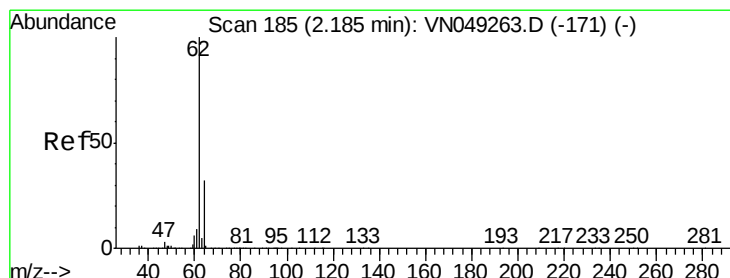
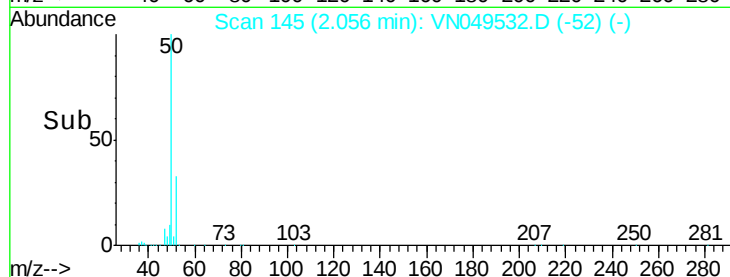
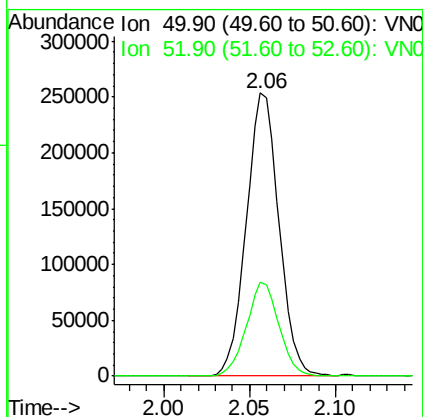
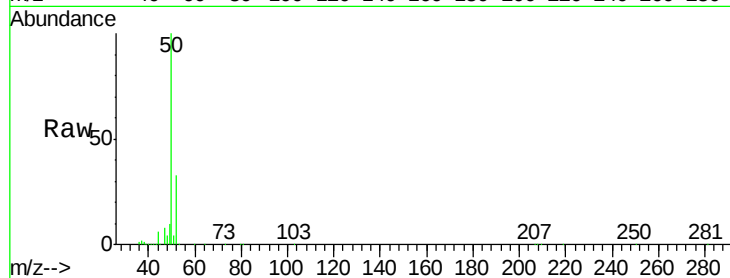
52 33.1 25.2 37.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.97 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049532.D

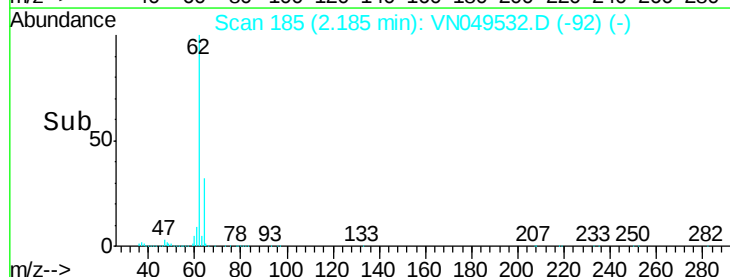
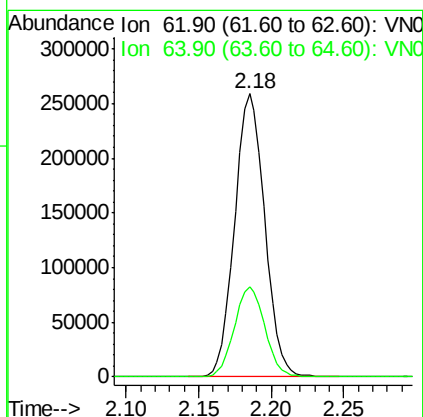
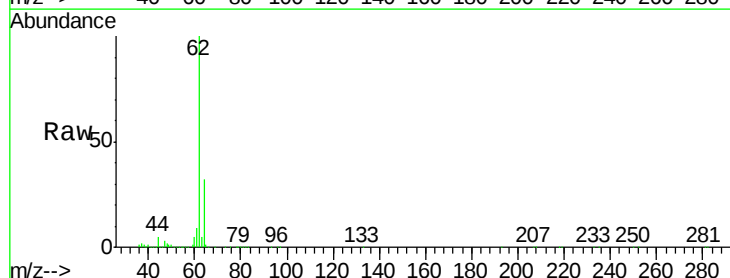
Acq: 26 Jun 2018 1:20

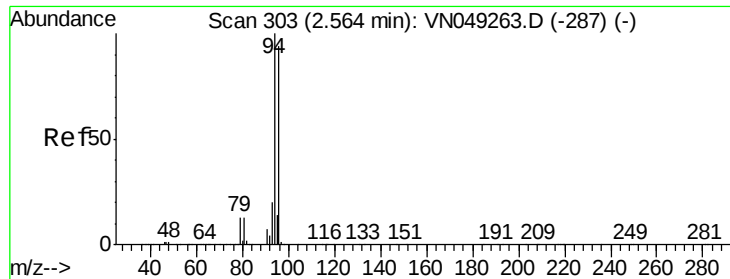
Tgt Ion: 62 Resp: 374035

Ion Ratio Lower Upper

62 100

64 31.7 25.7 38.5





#5

Bromomethane

Concen: 18.41 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

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VN0625WBS02

Tot Ion: 94 Resp: 213324

Ion Ratio Lower Upper

94 100

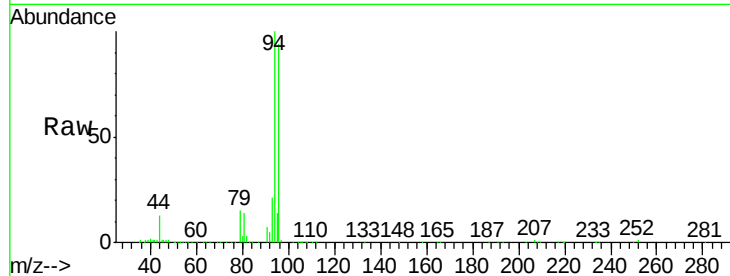
96 93.4 72.8 109.2

Manual Integrations

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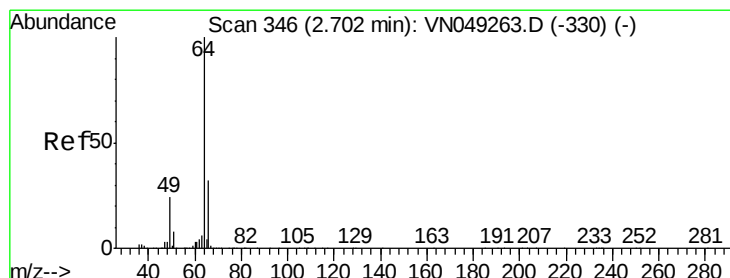
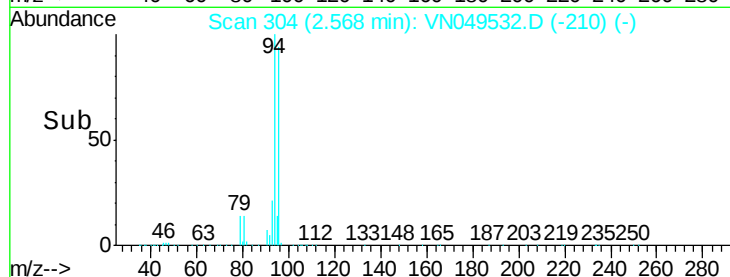
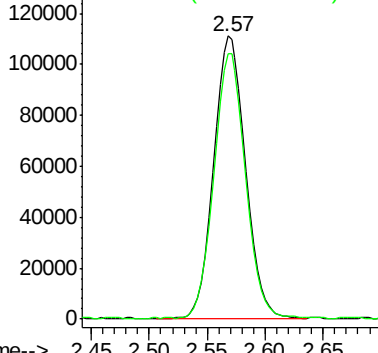
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.03 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049532.D

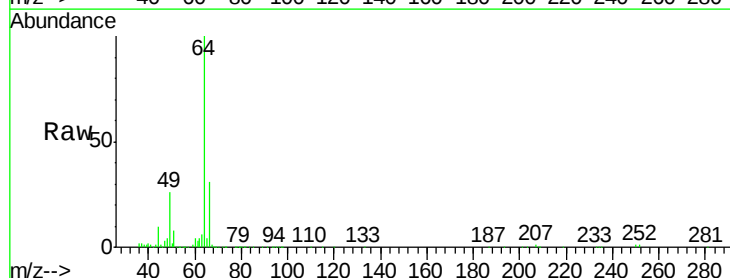
Acq: 26 Jun 2018 1:20

Tgt Ion: 64 Resp: 237030

Ion Ratio Lower Upper

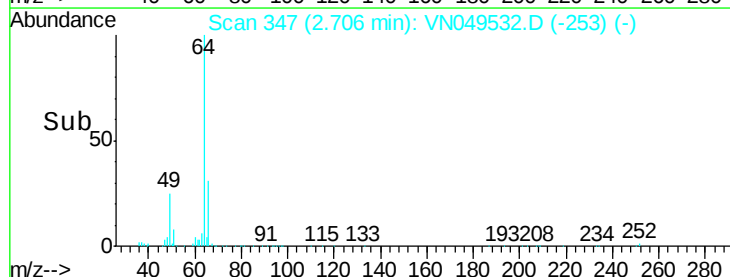
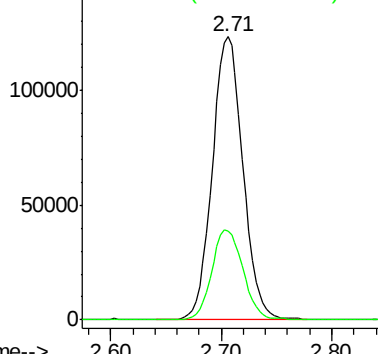
64 100

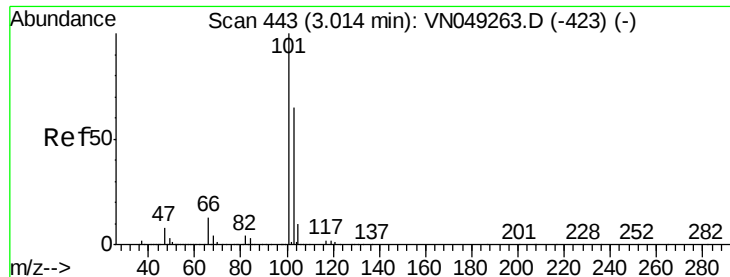
66 31.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

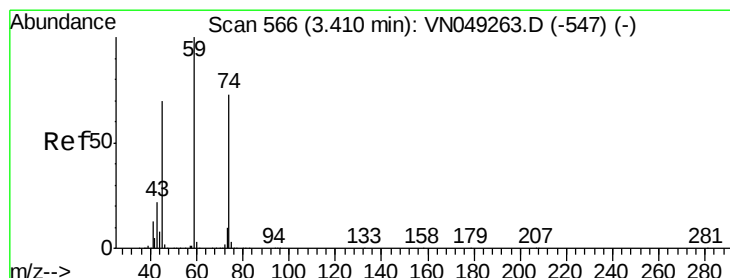
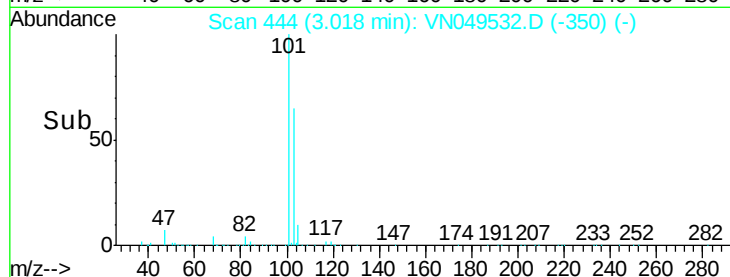
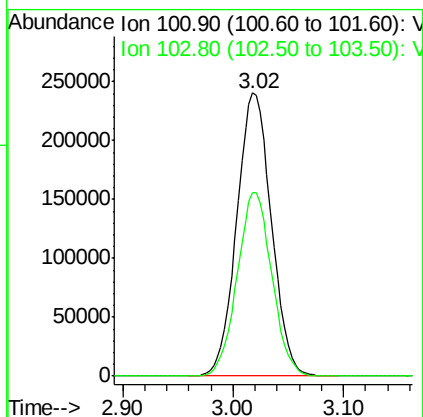
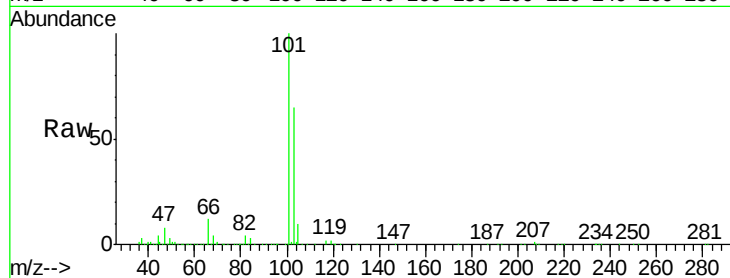
Trichlorofluoromethane
Concen: 19.01 ug/l
RT: 3.02 min Scan# 444
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		522883		
103	64.8	51.7	77.5		

Manual Integrations
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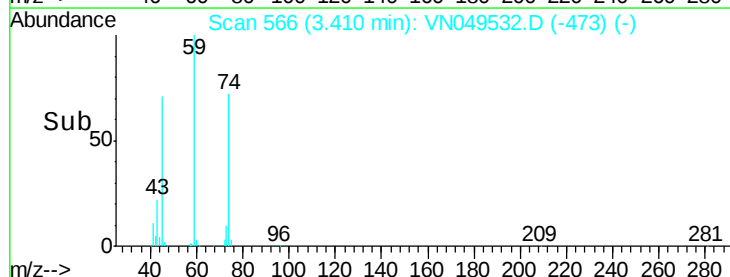
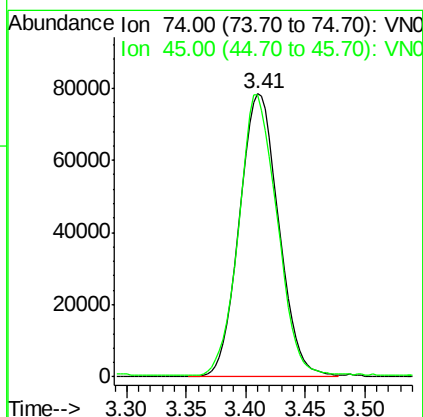
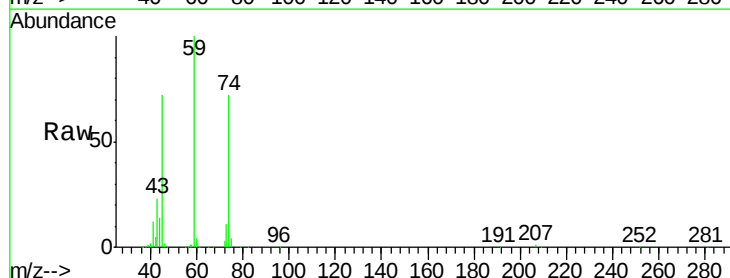
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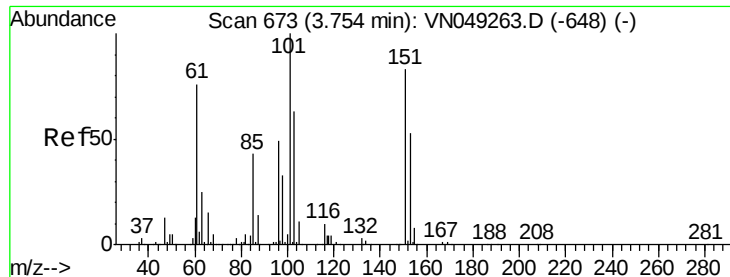


#8

Diethyl Ether
Concen: 18.74 ug/l
RT: 3.41 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		179899		
45	96.4	51.9	155.8		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.19 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

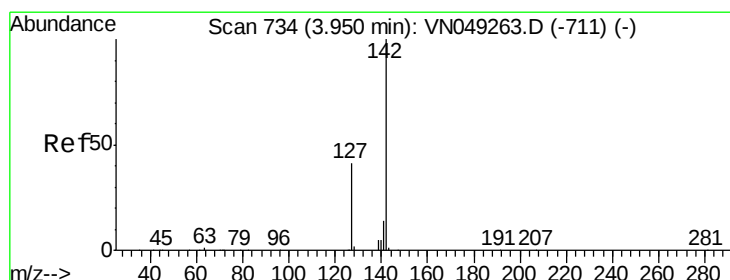
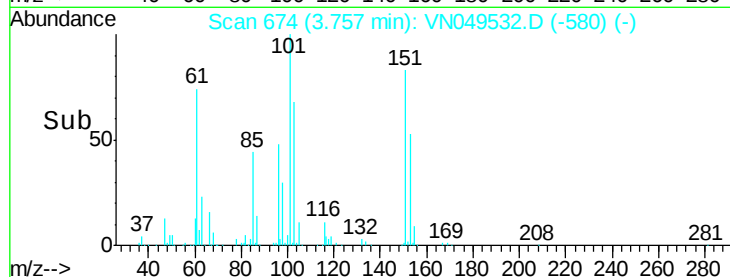
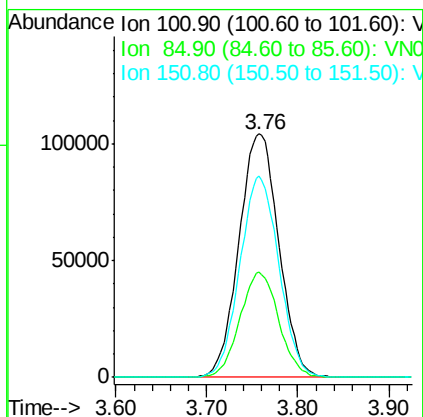
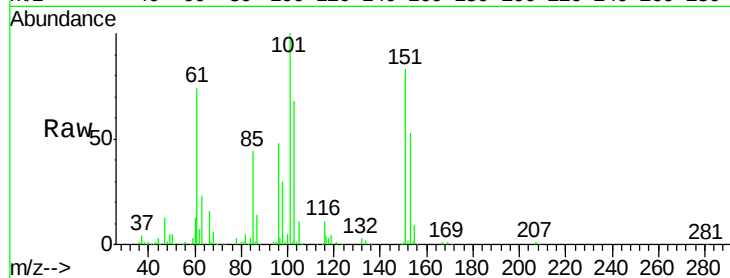
ClientSampled :

VN0625WBS02

Tot Ion:	101	Resp:	317327
Ion Ratio	Lower	Upper	
101	100		
85	42.0	37.6	56.4
151	81.0	61.1	91.7

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#10

Methyl Iodide

Concen: 19.79 ug/l

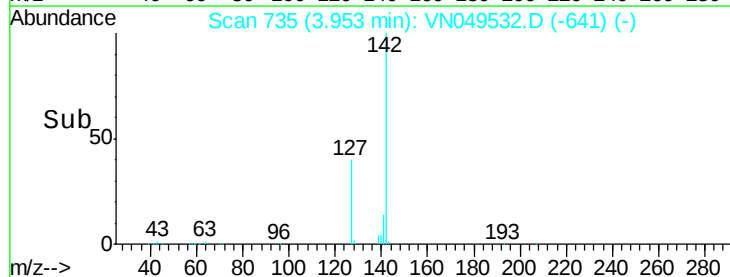
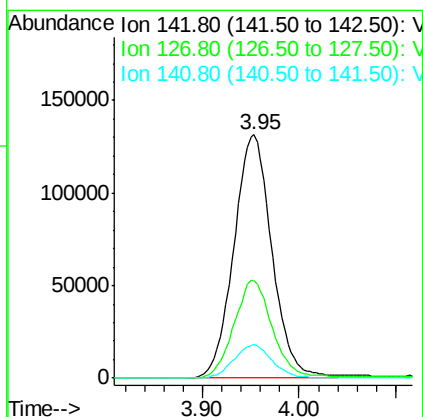
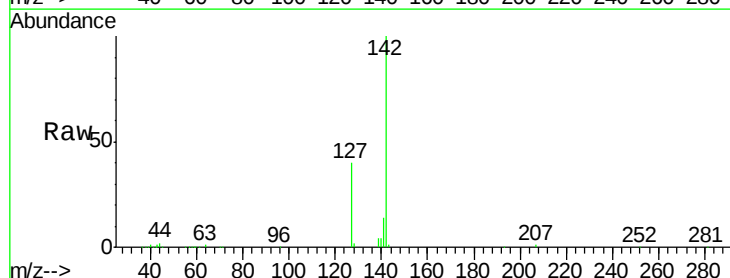
RT: 3.95 min Scan# 735

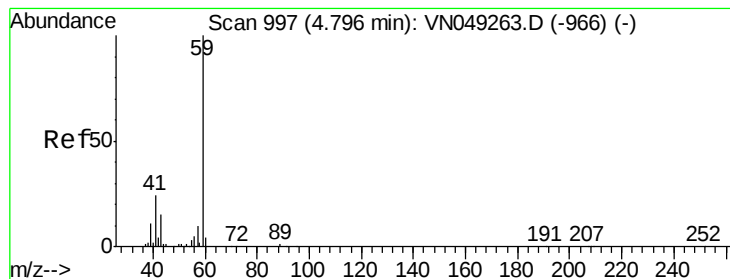
Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion:	142	Resp:	359383
Ion Ratio	Lower	Upper	
142	100		
127	40.2	38.2	57.4
141	13.8	11.9	17.9





#11

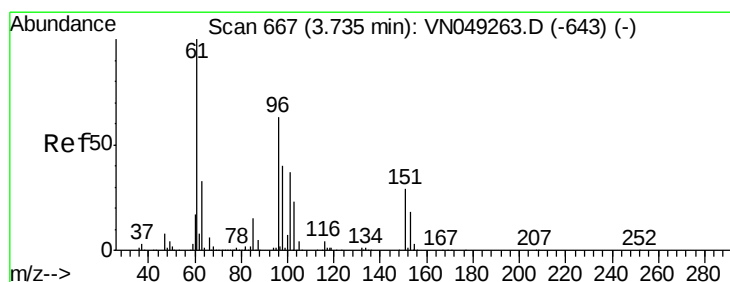
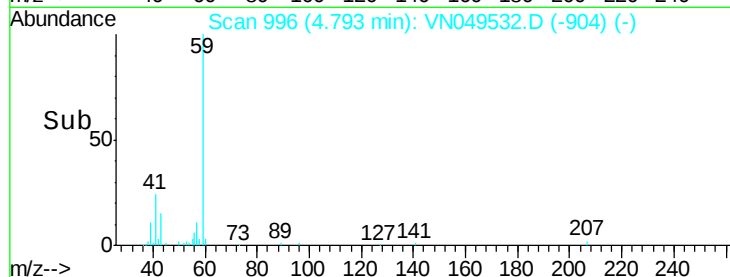
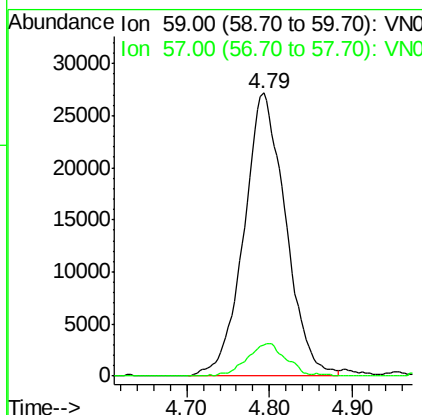
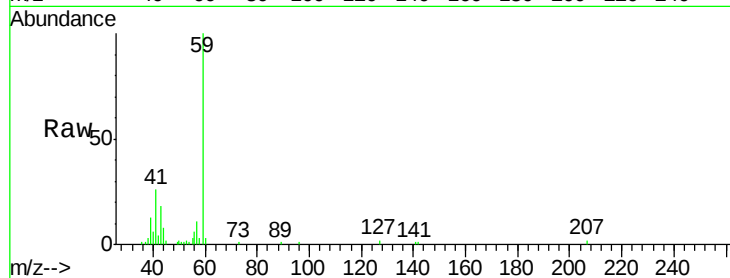
Tert butyl alcohol
Concen: 87.63 ug/l
RT: 4.79 min Scan# 996
Delta R.T. -0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	95191		
57	57	10.7		9.0	13.6

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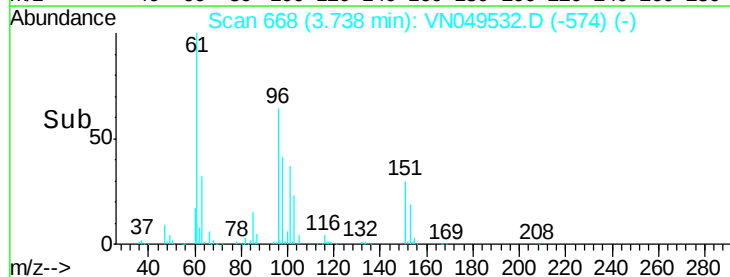
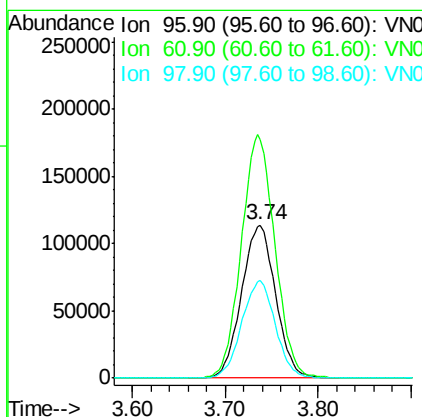
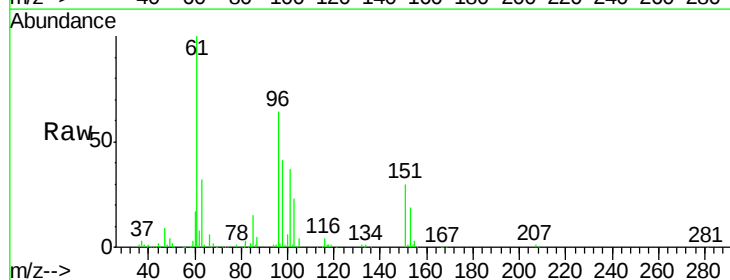
apatel
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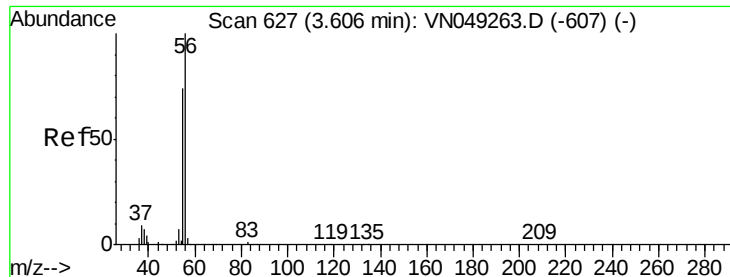


#12

1,1-Dichloroethene
Concen: 18.12 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	289887		
61	61	156.1		141.0	211.4
98	98	63.7		50.4	75.6





#13

Acrolein

Concen: 115.47 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion: 56 Resp: 131548

Ion Ratio Lower Upper

56 100

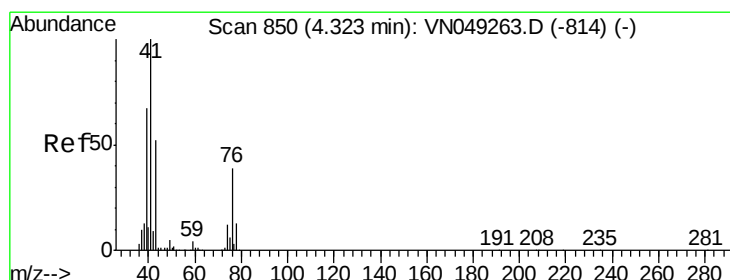
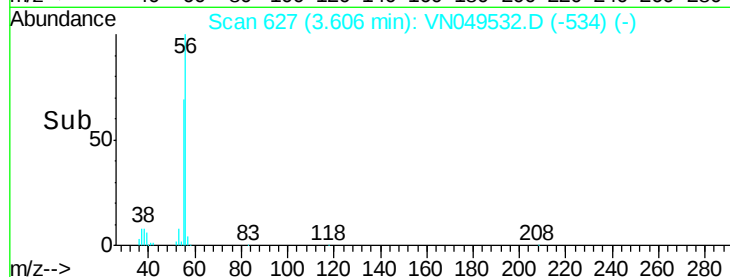
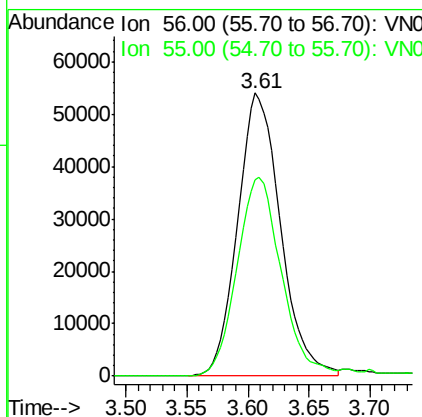
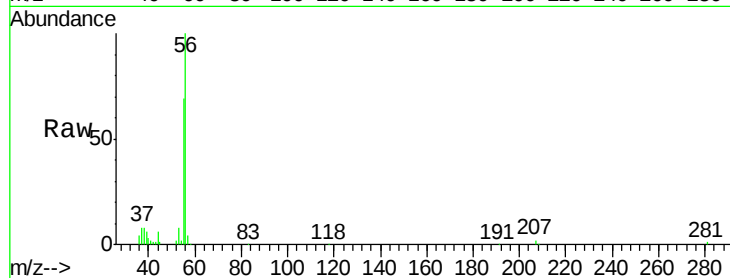
55 72.0 57.1 85.7

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#14

Allyl chloride

Concen: 18.17 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

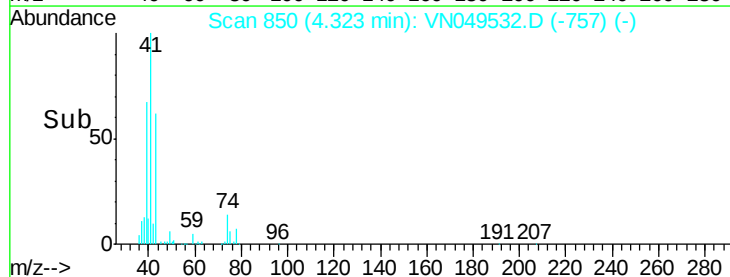
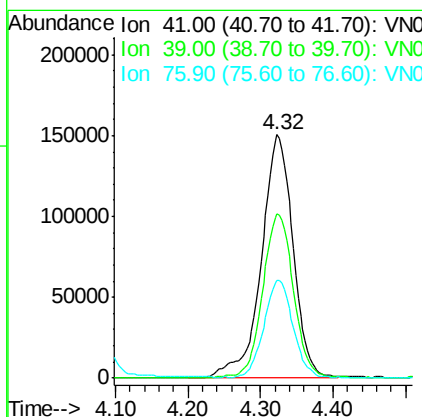
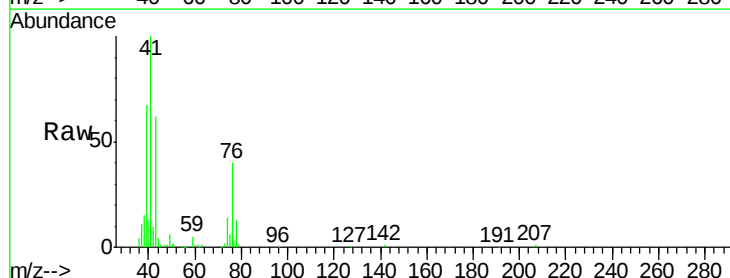
Tgt Ion: 41 Resp: 458931

Ion Ratio Lower Upper

41 100

39 65.8 62.5 93.7

76 36.1 27.1 40.7





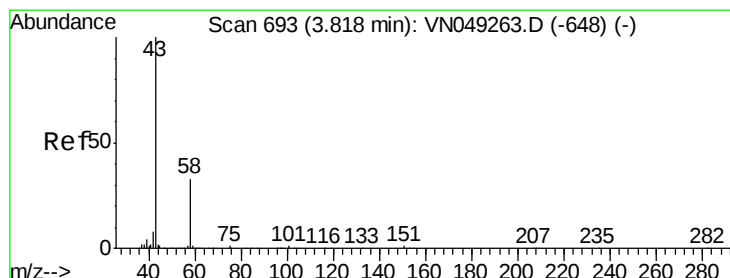
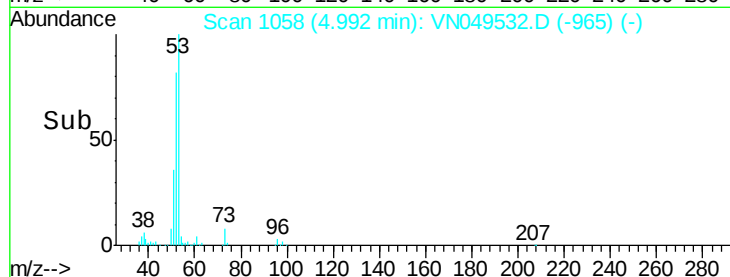
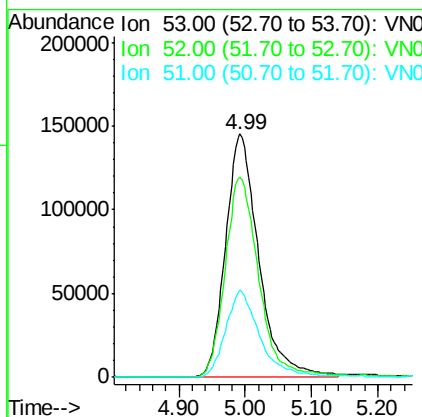
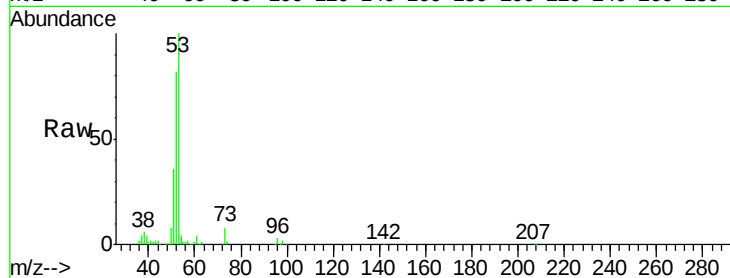
#15
 Acrylonitrile
 Concen: 93.21 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.6	100.0
51	36.5	29.8	44.8

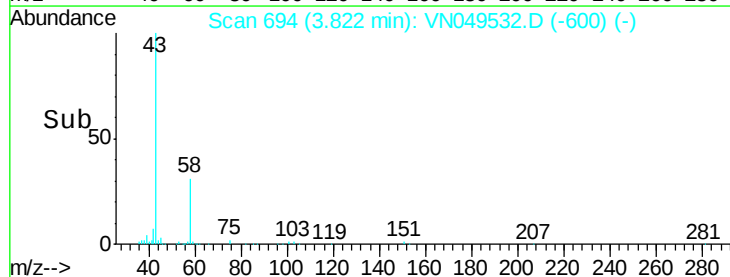
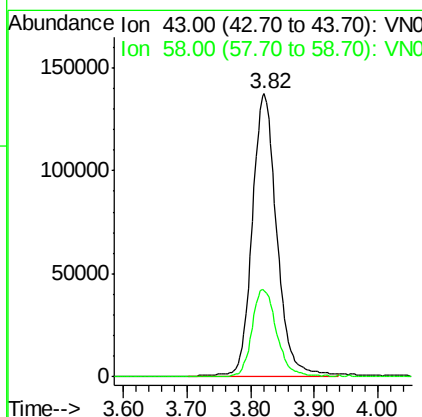
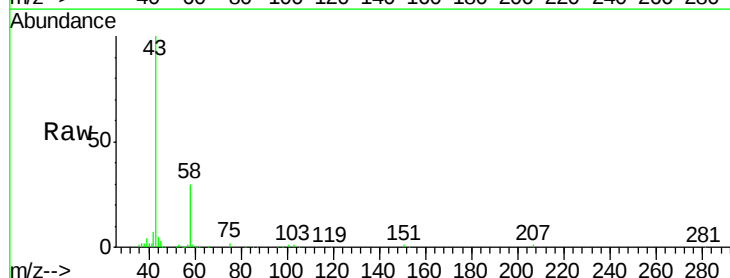
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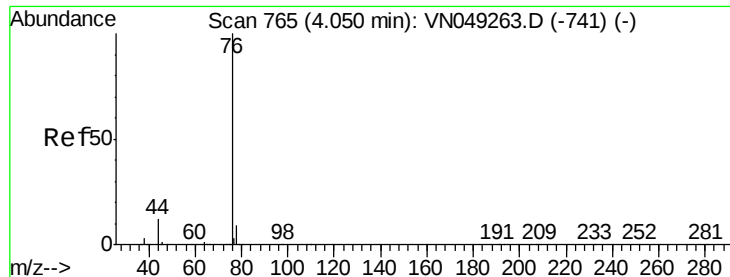
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#16
 Acetone
 Concen: 82.27 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.4	33.6





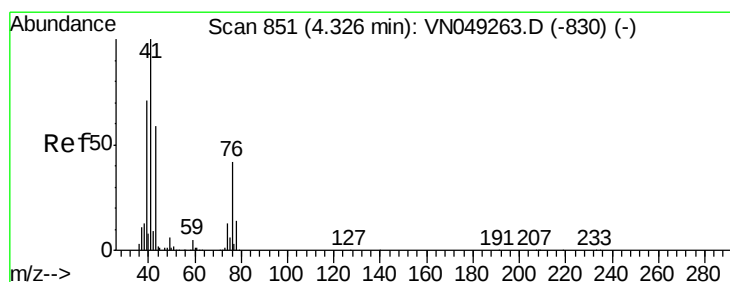
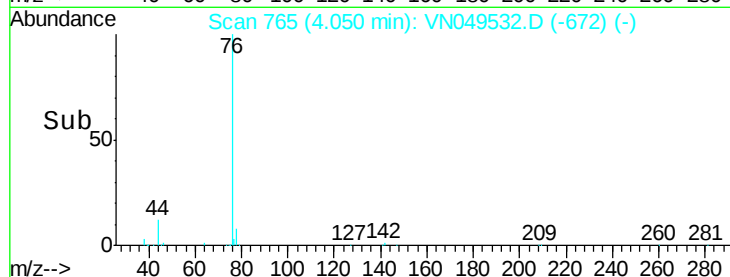
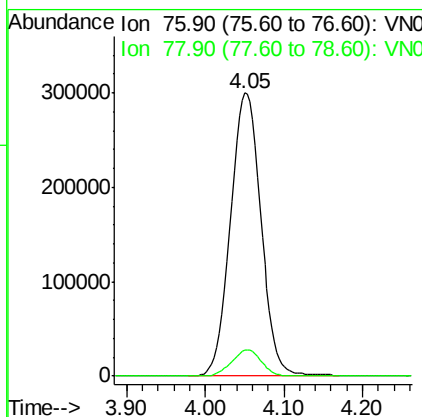
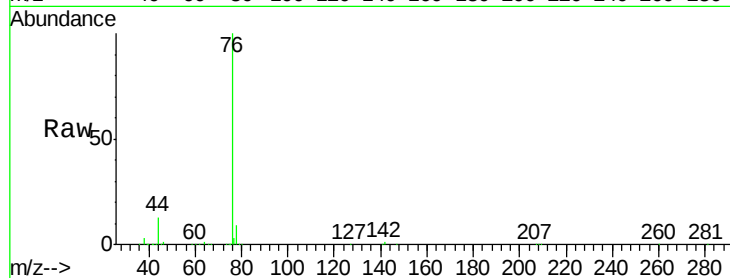
#17
Carbon Disulfide
Concen: 16.19 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.4	11.0

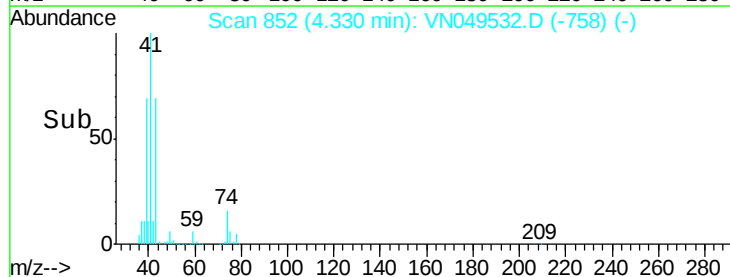
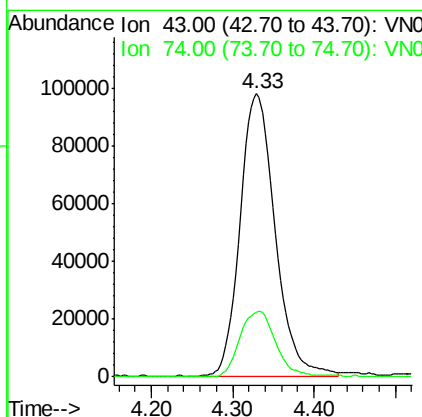
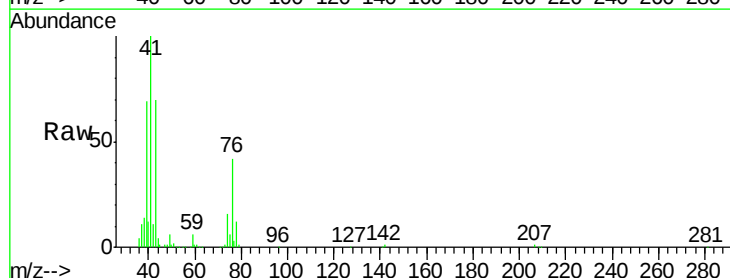
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#18
Methyl Acetate
Concen: 21.27 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	17.4	26.0





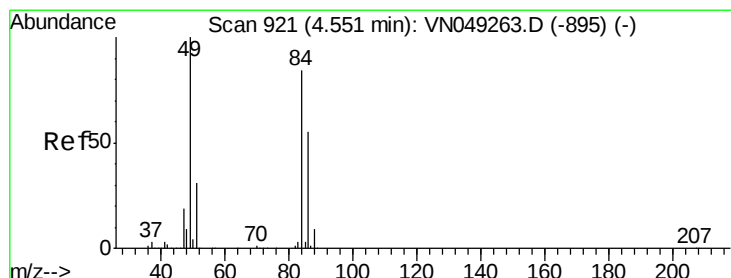
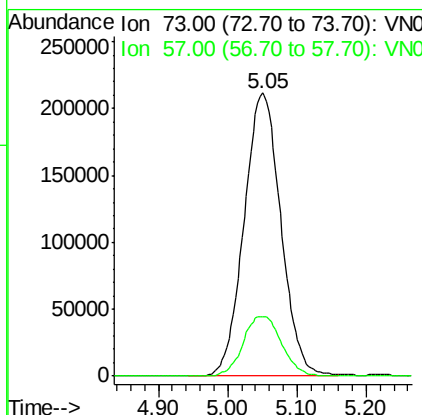
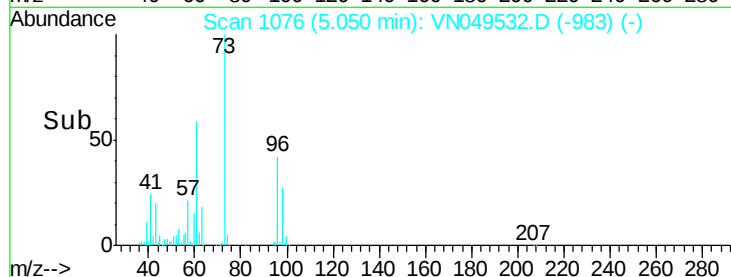
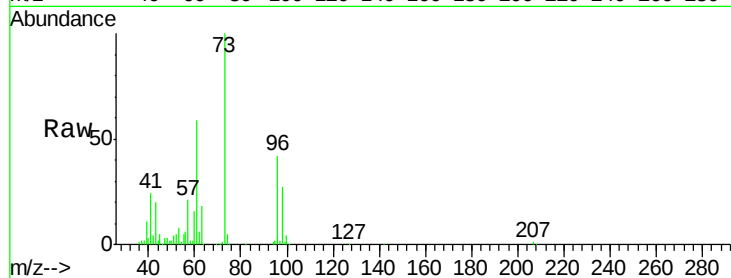
#19
Methvl tert-butvl Ether
Concen: 19.17 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Tot Ion: 73 Resp: 782020
Ion Ratio Lower Upper
73 100
57 20.8 18.2 27.4

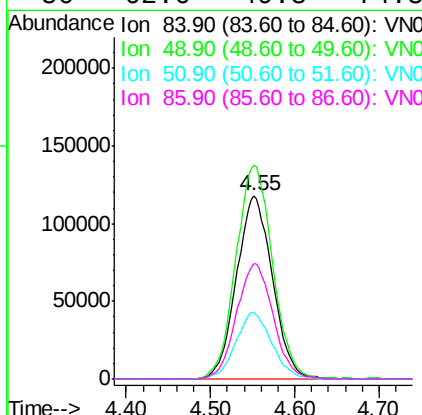
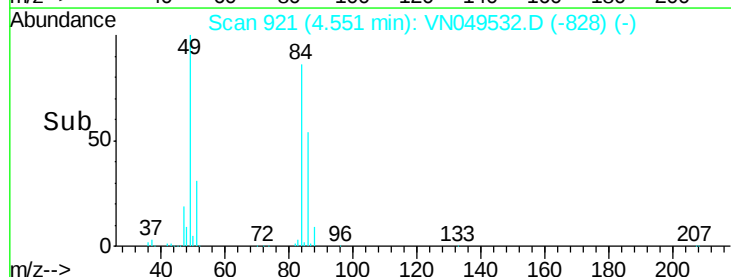
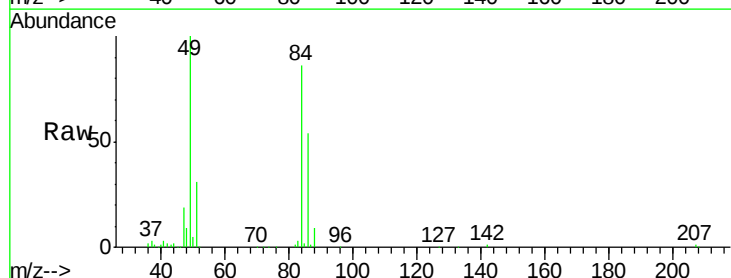
Manual Integrations
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#20
Methylene Chloride
Concen: 18.64 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion: 84 Resp: 349796
Ion Ratio Lower Upper
84 100
49 116.7 106.9 160.3
51 36.3 32.7 49.1
86 62.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 18.04 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

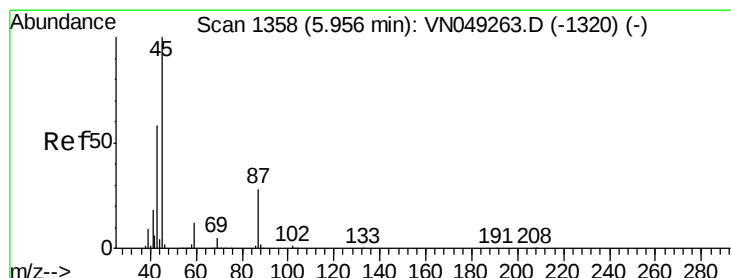
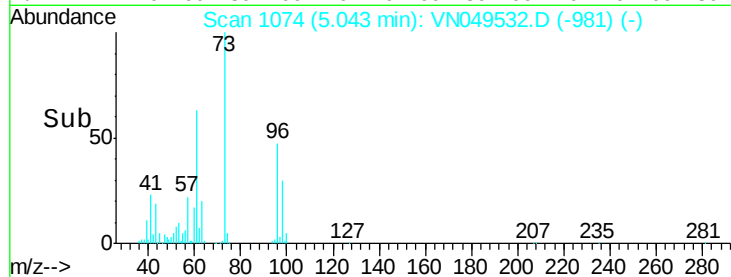
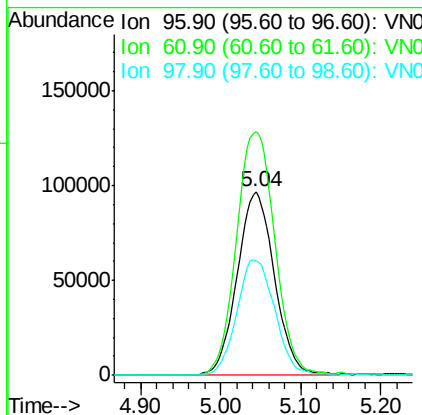
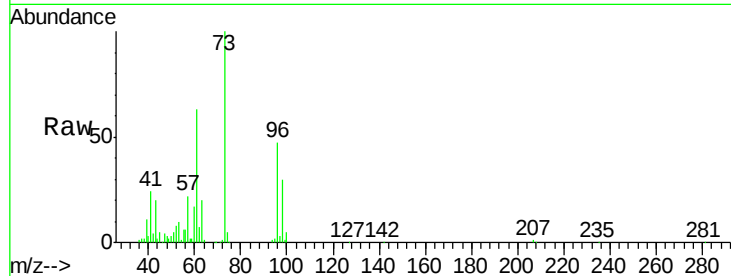
ClientSampleId :

VN0625WBS02

Tot Ion:	96	Resp:	305596
Ion Ratio	Lower	Upper	
96	100		
61	132.7	121.3	181.9
98	62.6	52.0	78.0

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#22

Diisopropyl ether

Concen: 19.81 ug/l

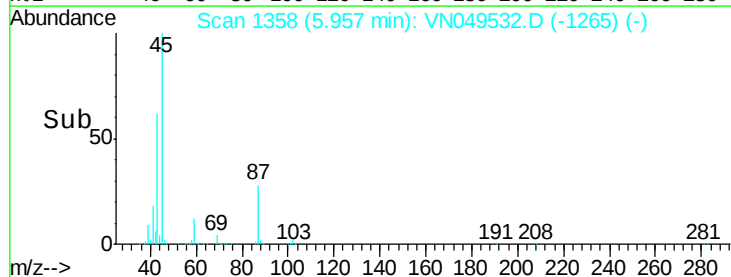
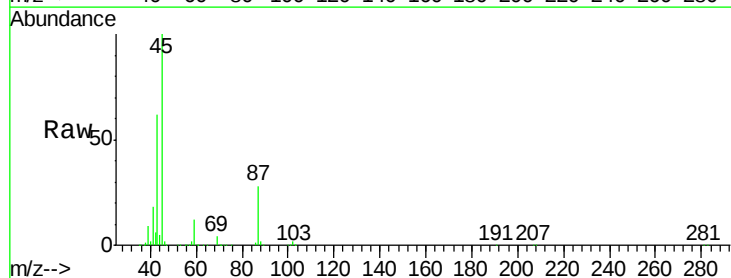
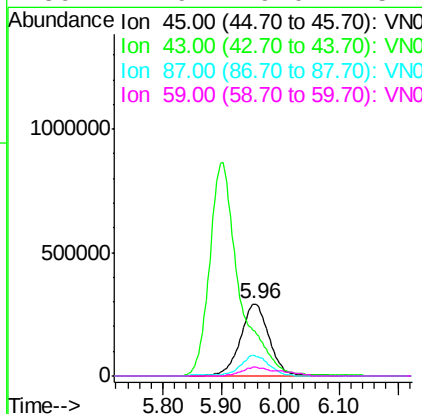
RT: 5.96 min Scan# 1358

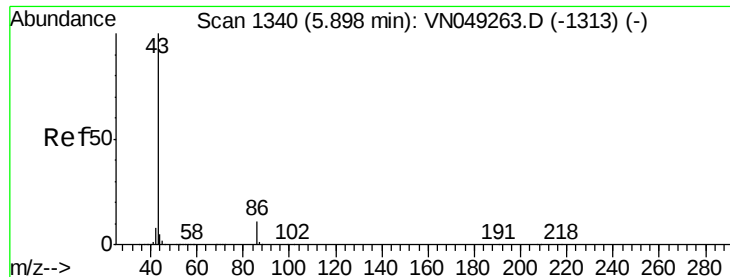
Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion:	45	Resp:	999475
Ion Ratio	Lower	Upper	
45	100		
43	60.6	48.6	72.8
87	27.8	20.2	30.2
59	11.9	9.0	13.4





#23

Vinyl Acetate

Concen: 92.19 ug/l

RT: 5.90 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion: 43 Resp: 3032042

Ion Ratio Lower Upper

43 100

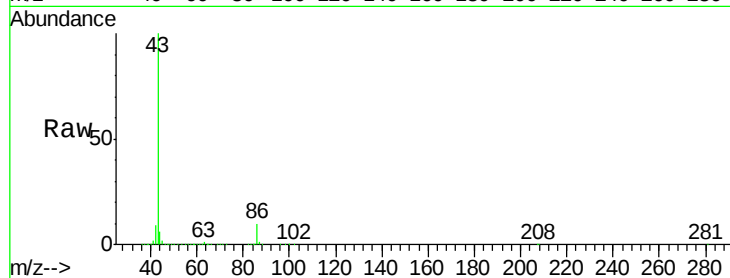
86 10.2 7.2 10.8

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

1000000

800000

600000

400000

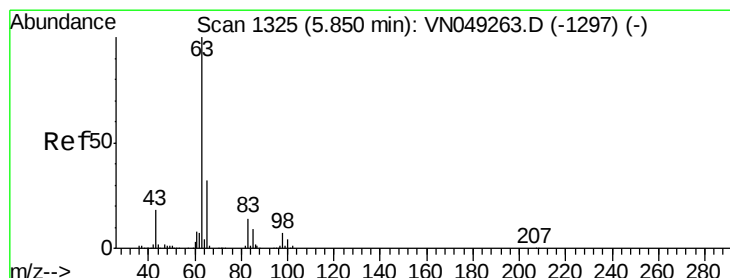
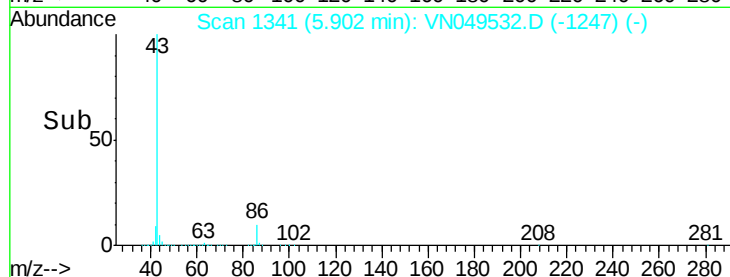
200000

0

5.80

6.00

Time-->



#24

1,1-Dichloroethane

Concen: 18.86 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

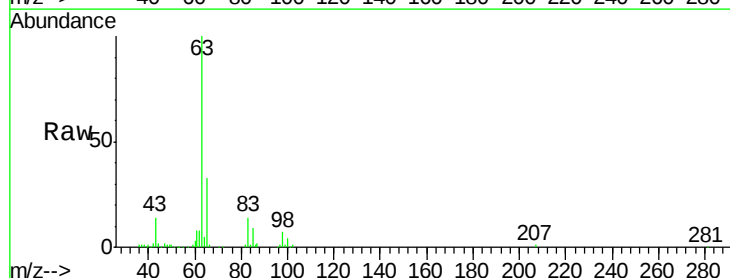
Tgt Ion: 63 Resp: 608903

Ion Ratio Lower Upper

63 100

98 7.0 2.9 8.8

100 4.4 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

250000

200000

150000

100000

50000

0

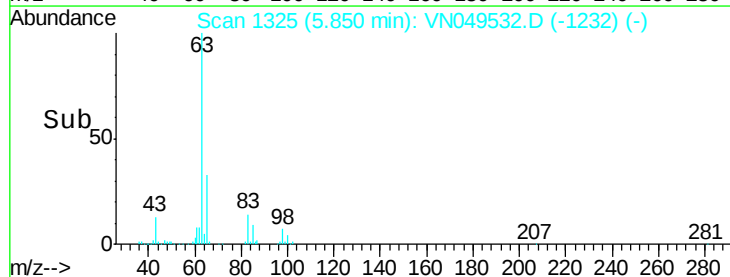
5.70

5.80

5.90

6.00

Time-->





#25

2-Butanone

Concen: 89.25 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion: 43 Resp: 538596

Ion Ratio Lower Upper

43 100

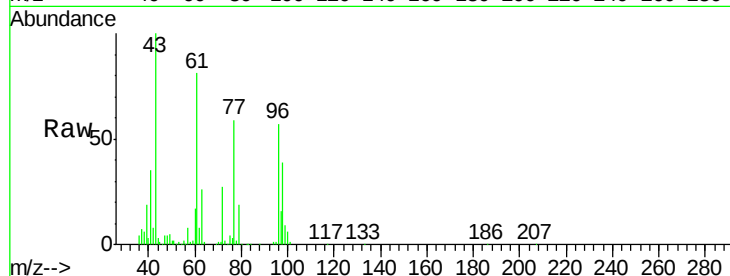
72 27.3 20.2 30.2

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.84

200000

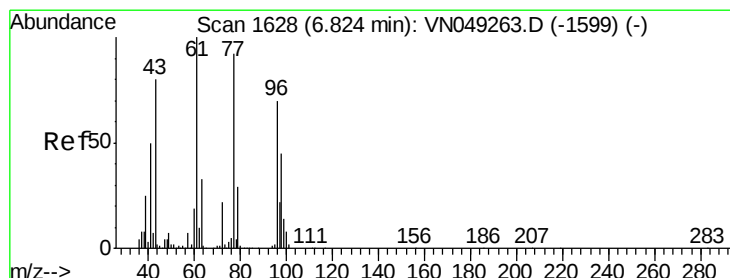
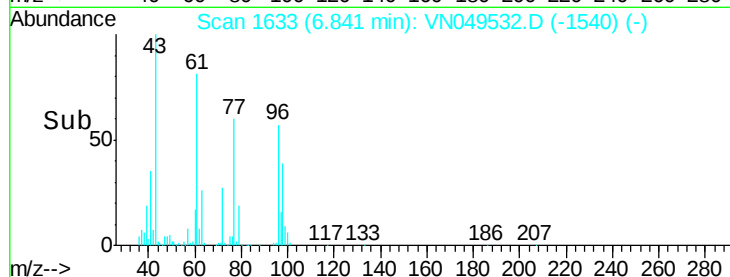
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 16.53 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049532.D

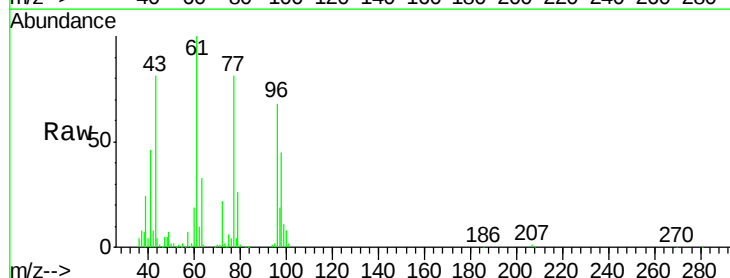
Acq: 26 Jun 2018 1:20

Tgt Ion: 77 Resp: 431098

Ion Ratio Lower Upper

77 100

97 24.0 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.83

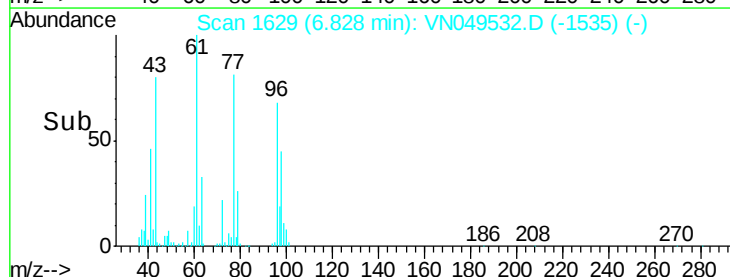
150000

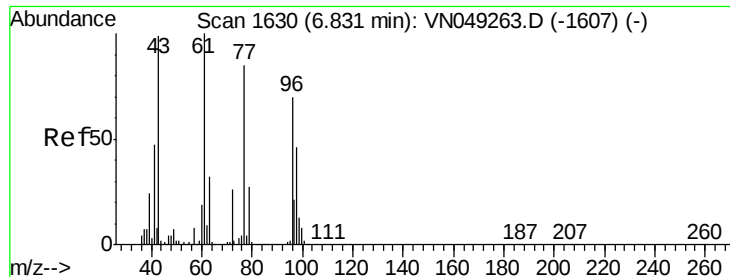
100000

50000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.67 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

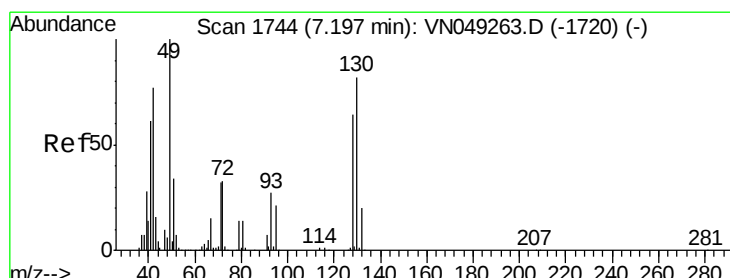
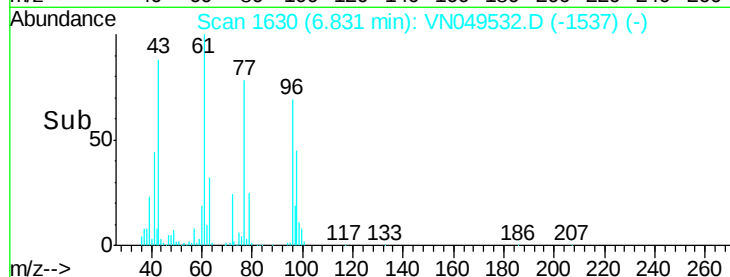
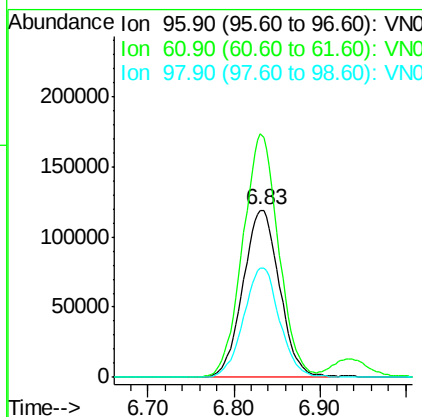
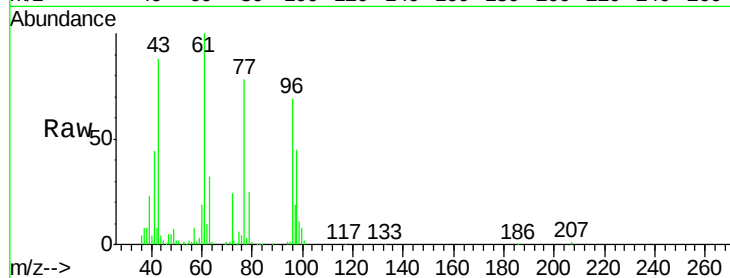
ClientSampleId :

VN0625WBS02

Tot Ion:	96	Resp:	351615
Ion Ratio	Lower	Upper	
96	100		
61	142.5	0.0	316.4
98	64.4	0.0	128.4

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#28

Bromochloromethane

Concen: 20.64 ug/l

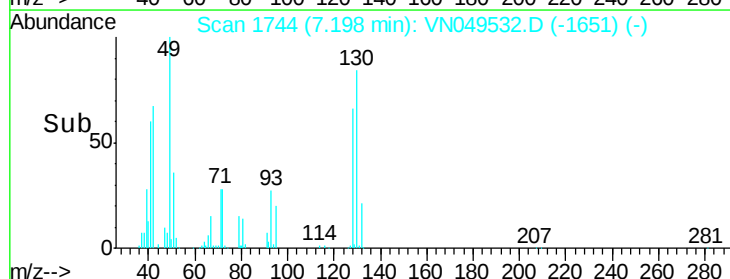
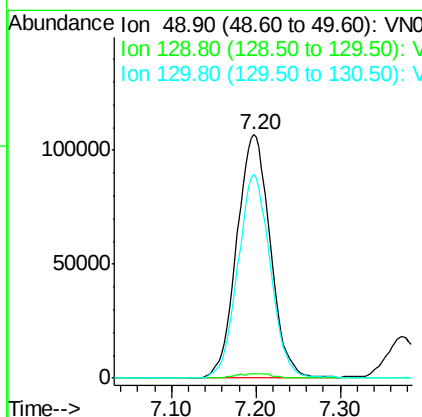
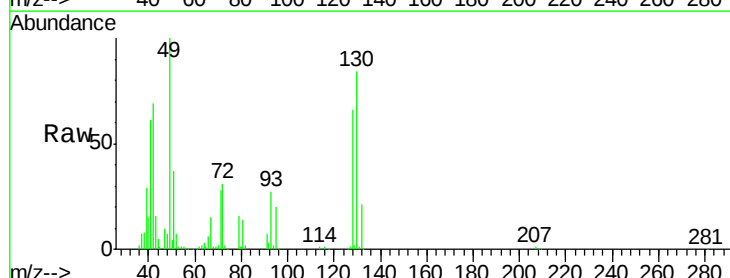
RT: 7.20 min Scan# 1744

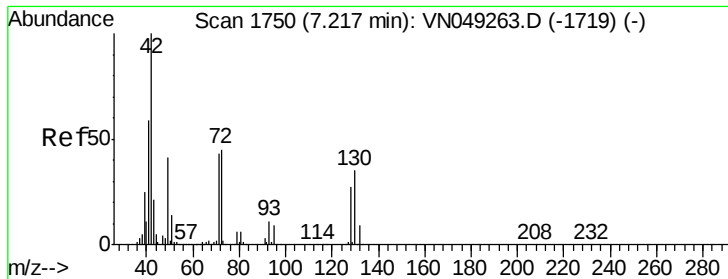
Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion:	49	Resp:	295450
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	3.8
130	81.3	54.9	82.3





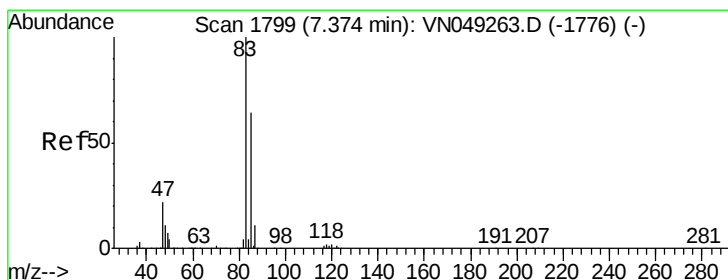
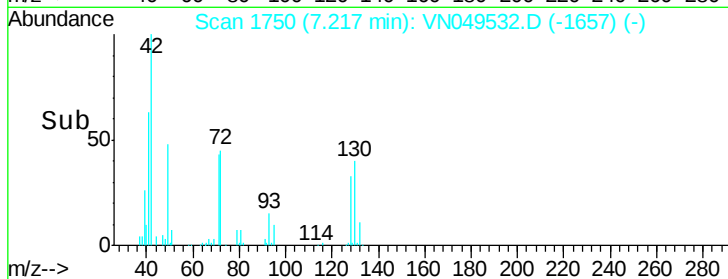
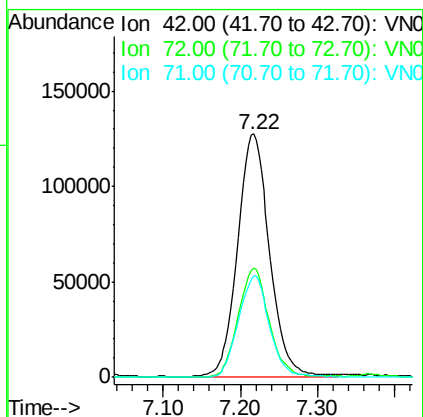
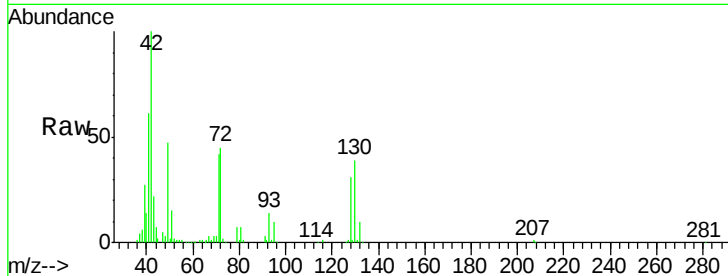
#29
Tetrahydrofuran
Concen: 93.58 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	32.2	48.4
71	40.9	30.5	45.7

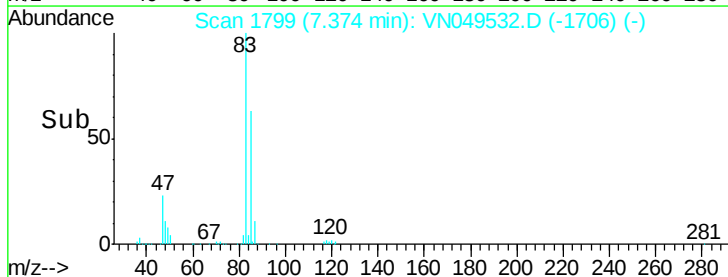
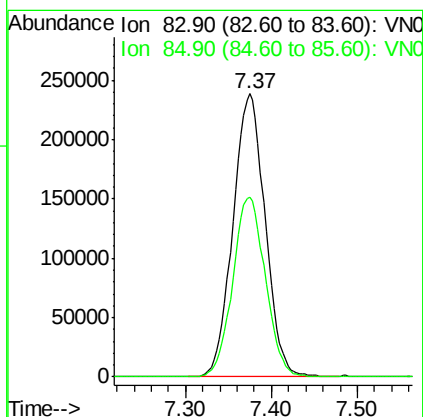
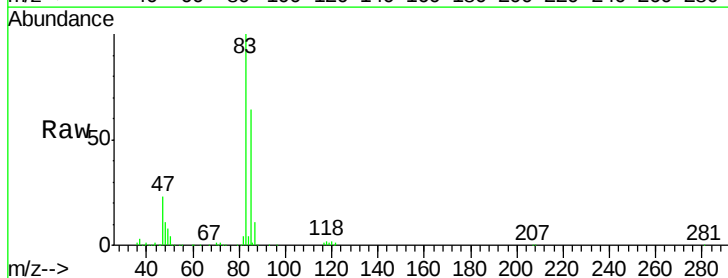
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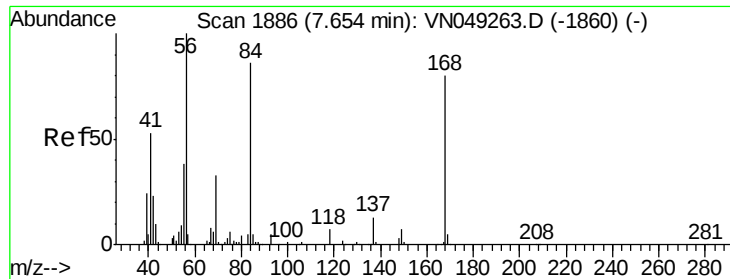
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#30
Chloroform
Concen: 19.34 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.7	77.5





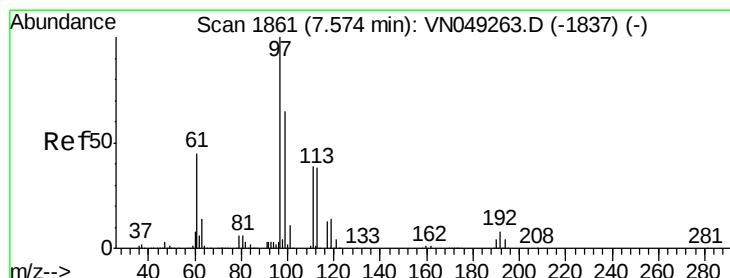
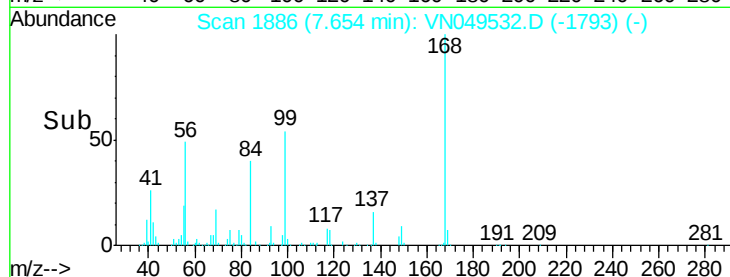
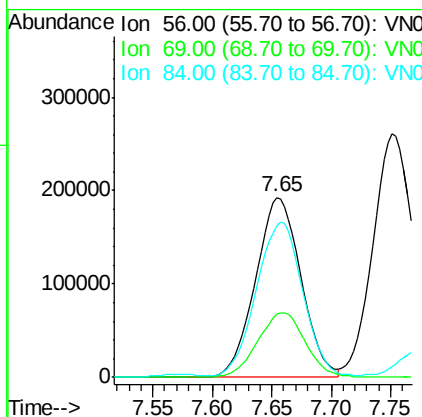
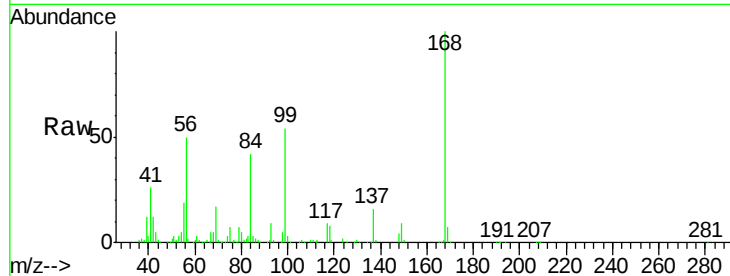
#31
Cyclohexane
Concen: 18.51 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.0	25.0	37.4
84	82.3	64.6	96.8

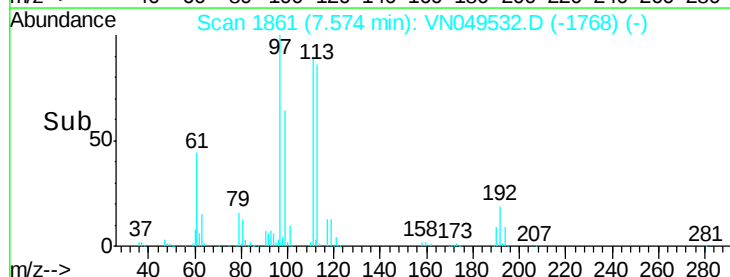
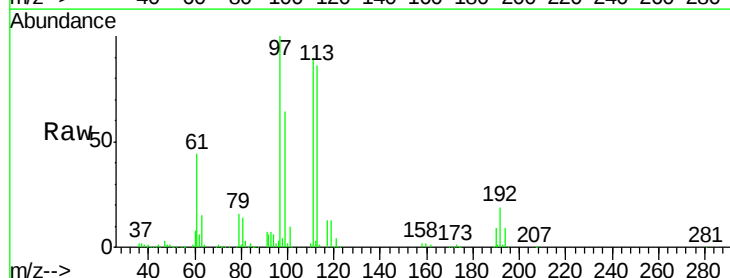
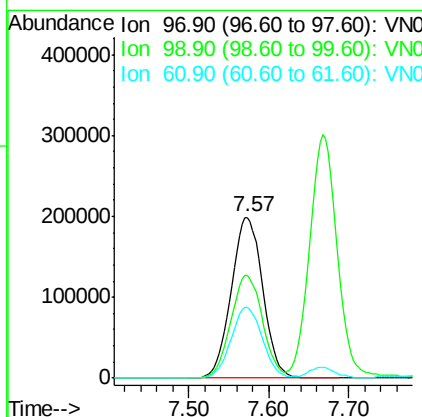
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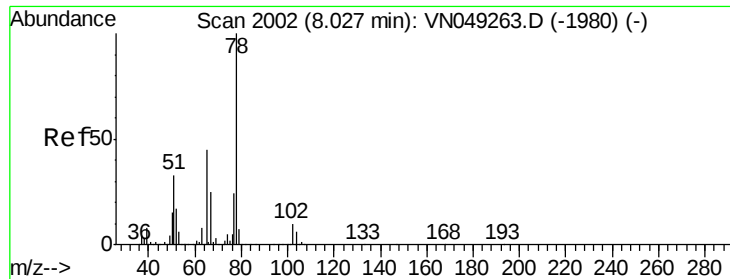
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#32
1,1,1-Trichloroethane
Concen: 19.36 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.5	75.7
61	43.7	37.9	56.9





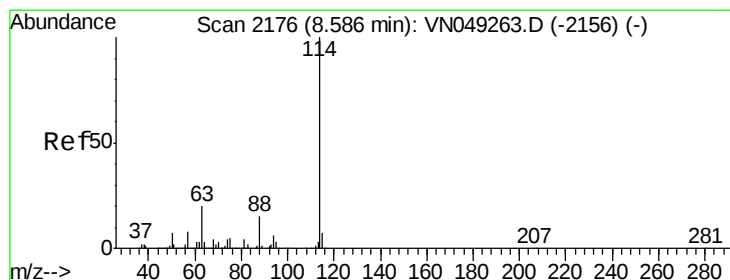
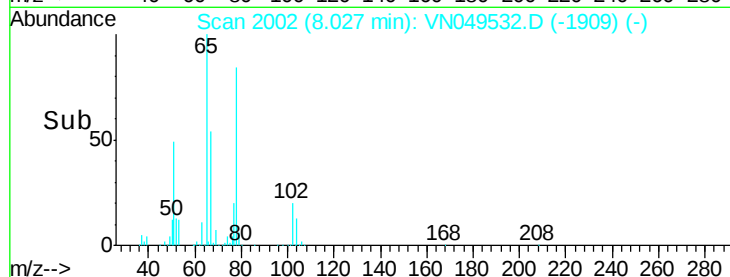
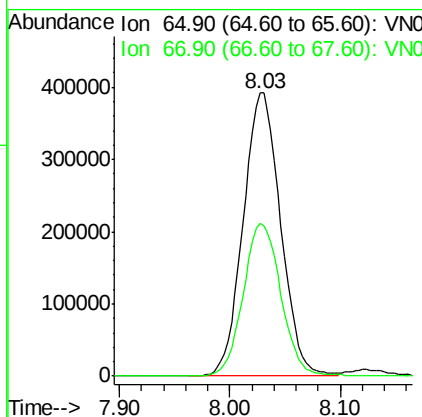
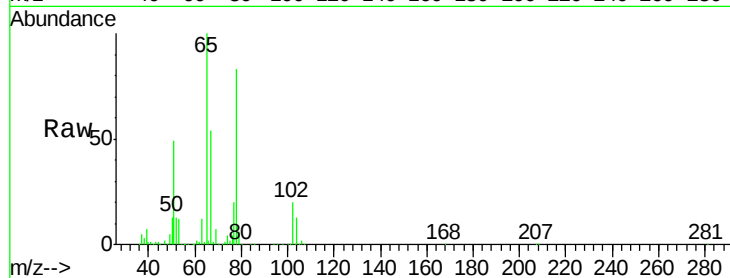
#33
 1,2-Dichloroethane-d4
 Concen: 49.79 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	103.8	

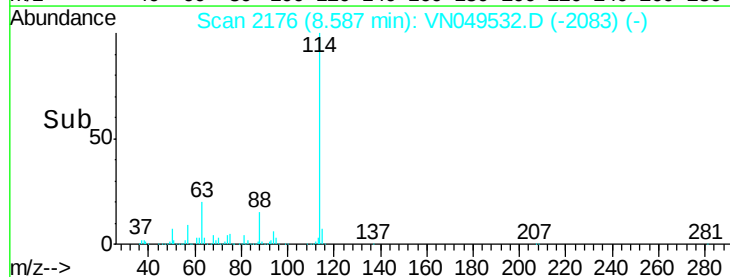
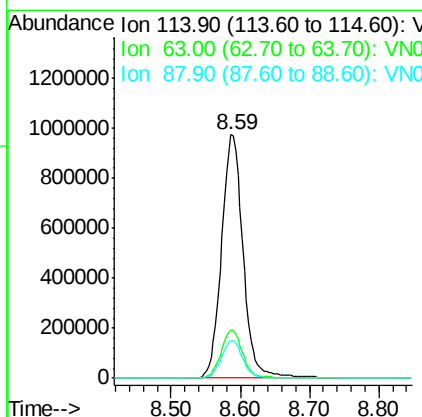
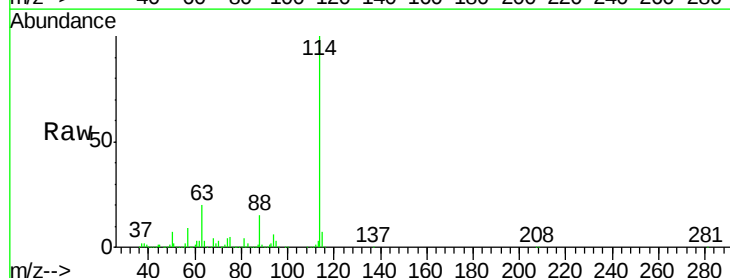
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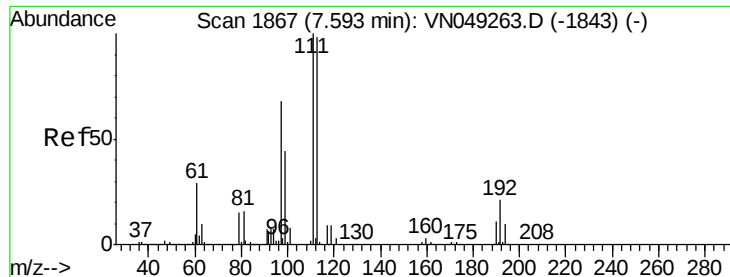
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

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





#35

Dibromofluoromethane

Concen: 48.35 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

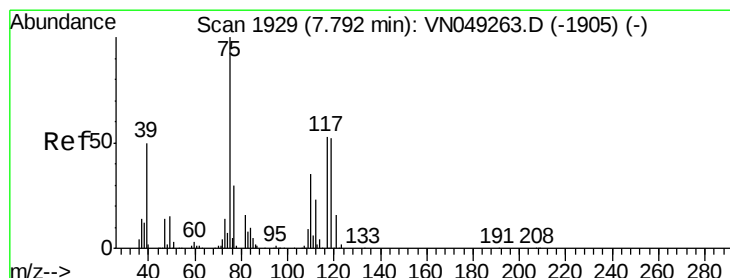
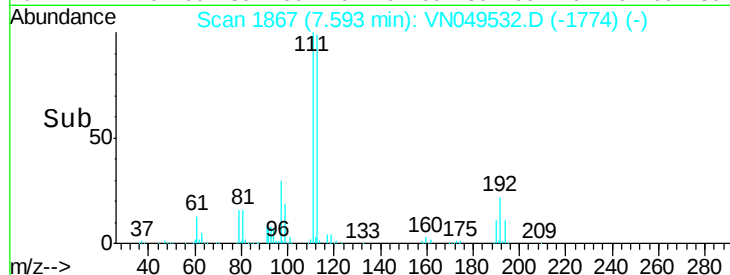
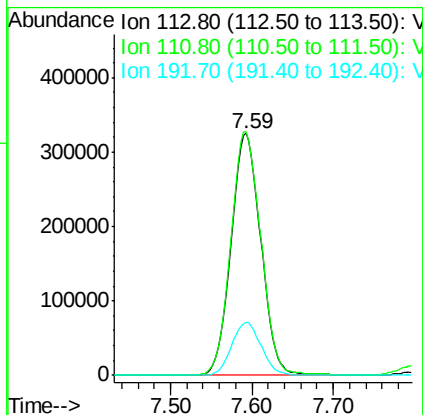
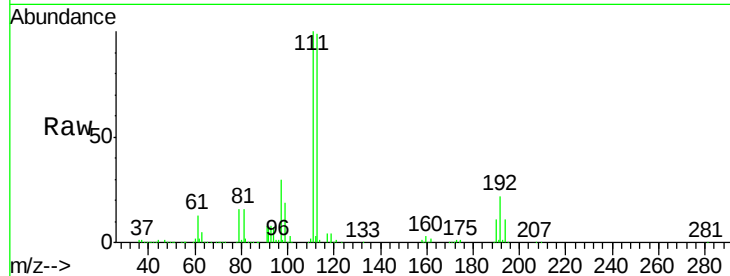
ClientSampleId :

VN0625WBS02

Tot Ion:	113	Resp:	825835
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.4	123.6
192	21.9	15.0	22.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.81 ug/l

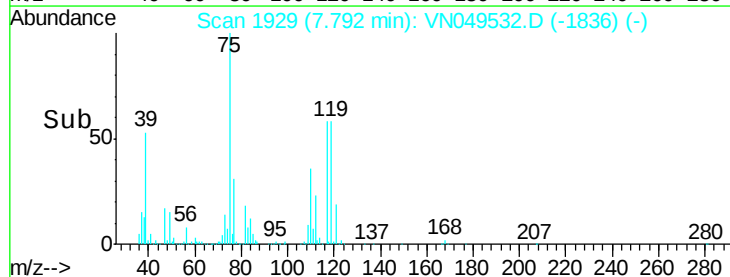
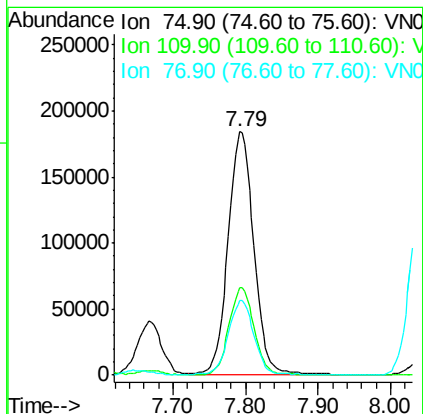
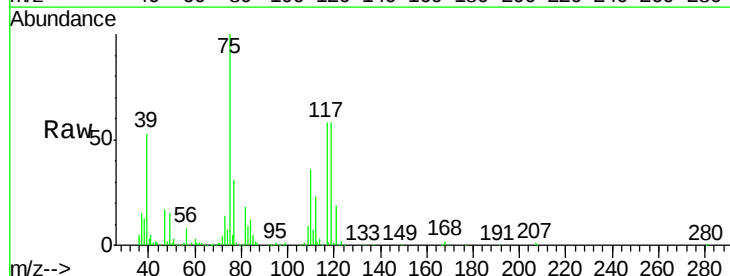
RT: 7.79 min Scan# 1929

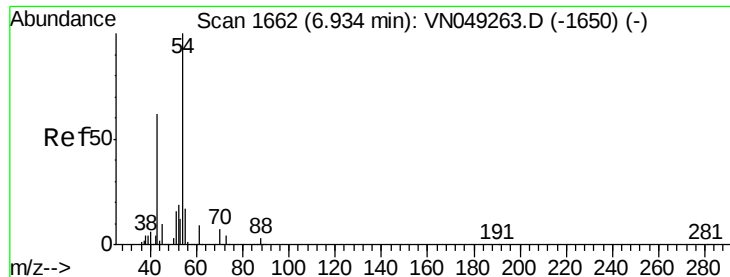
Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion:	75	Resp:	455132
Ion Ratio	Lower	Upper	
75	100		
110	35.4	17.0	50.9
77	30.1	24.4	36.6





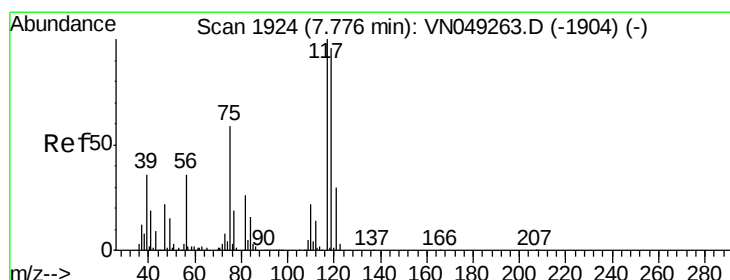
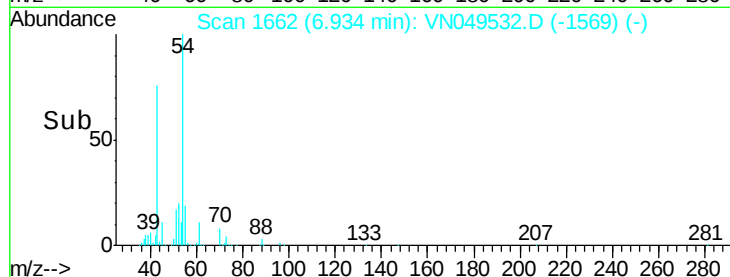
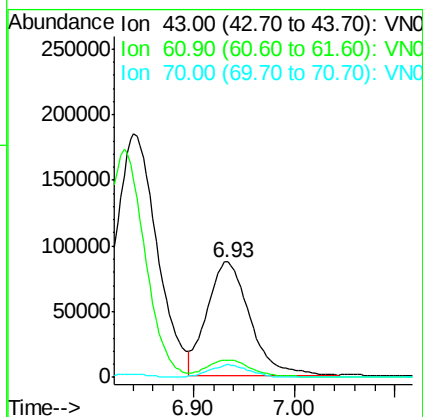
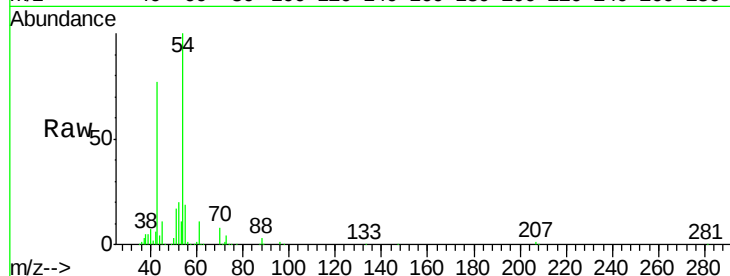
#37
Ethyl Acetate
Concen: 19.47 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.0	16.4
70	9.8	7.2	10.8

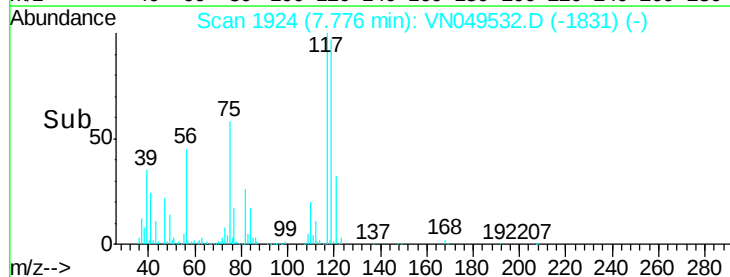
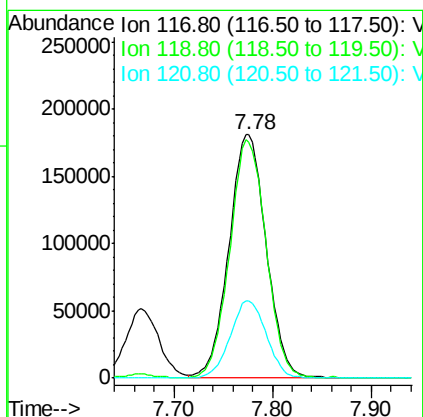
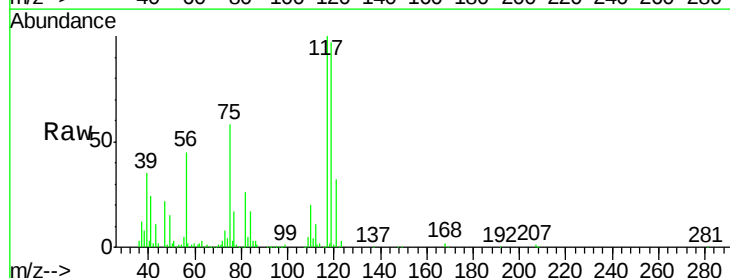
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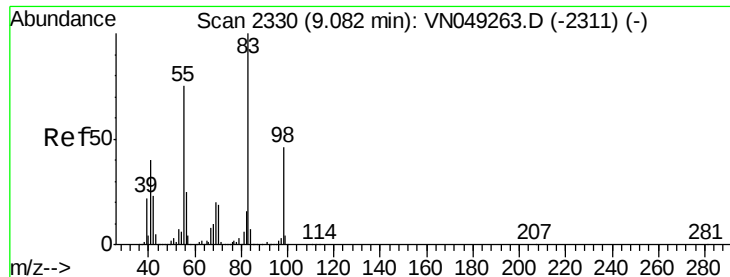
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#38
Carbon Tetrachloride
Concen: 18.87 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.6	113.4
121	31.9	24.7	37.1





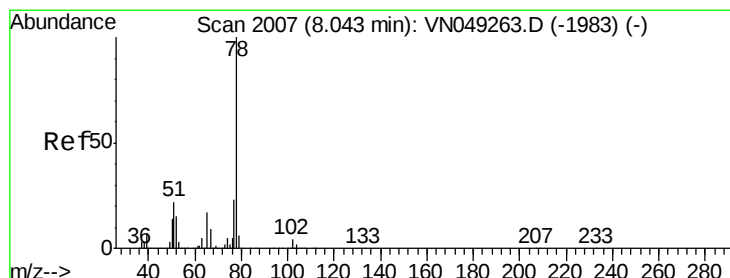
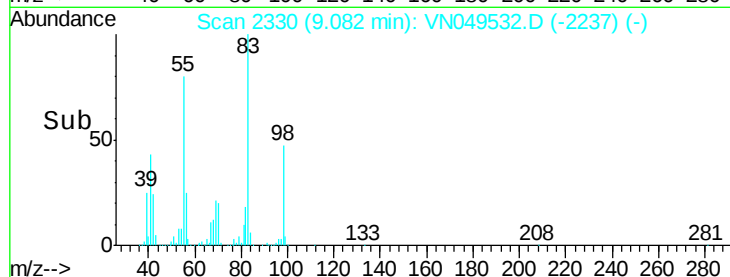
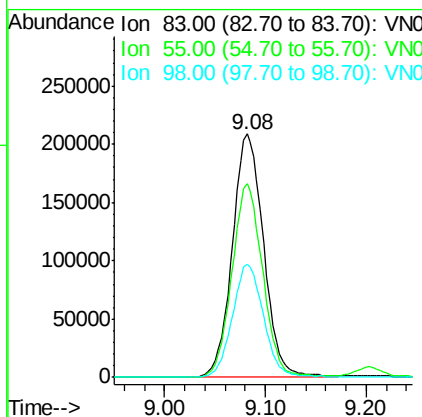
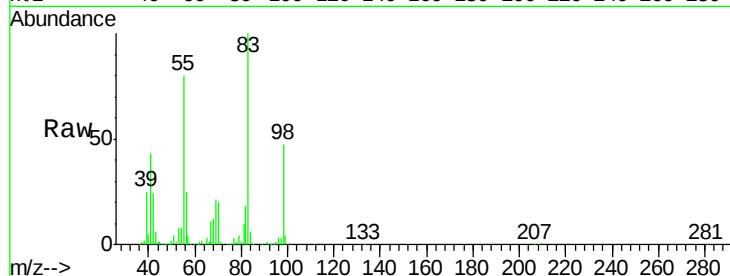
#39
Methvlcvclohexane
Concen: 17.28 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampled :
VN0625WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.7	65.1	97.7
98	46.5	36.5	54.7

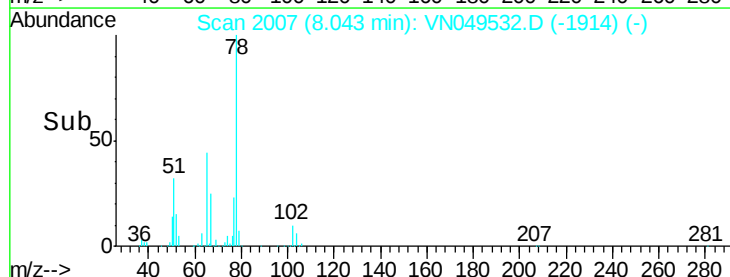
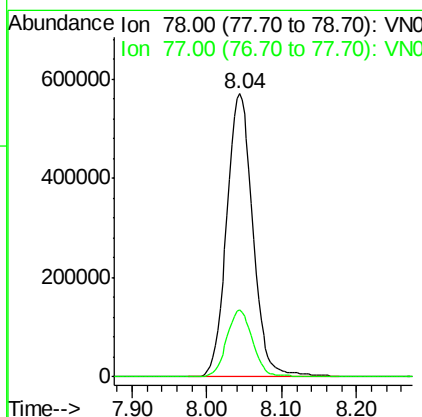
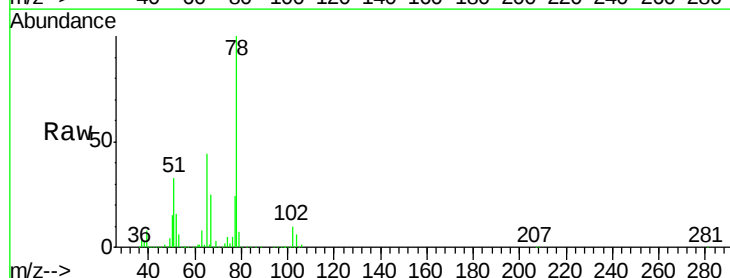
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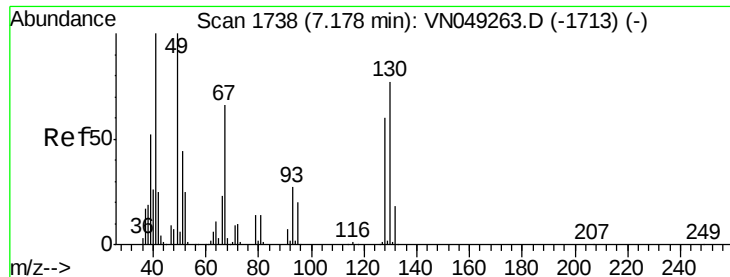
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#40
Benzene
Concen: 18.69 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.4	29.0





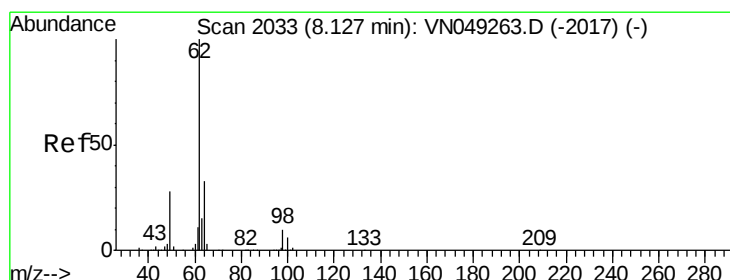
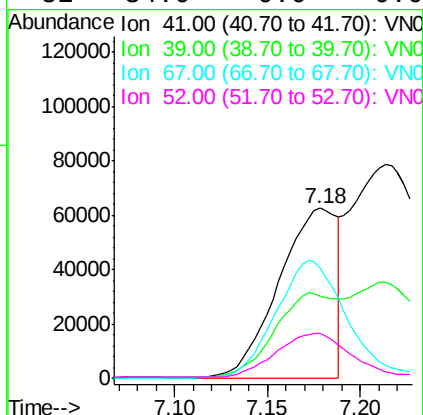
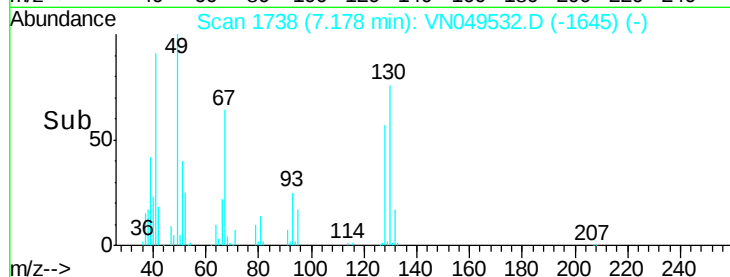
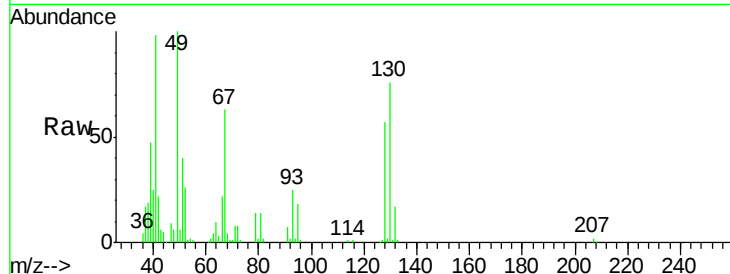
#41
Methacrylonitrile
Concen: 19.18 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.0	0.0	0.0#
67	85.1	0.0	0.0#
52	34.0	0.0	0.0#

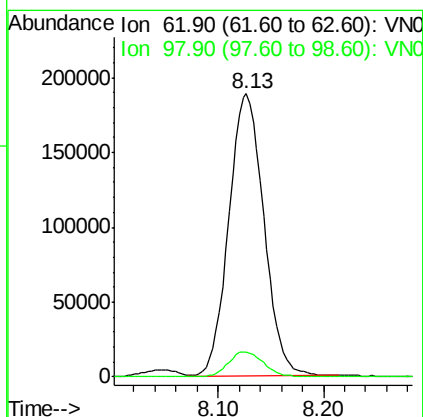
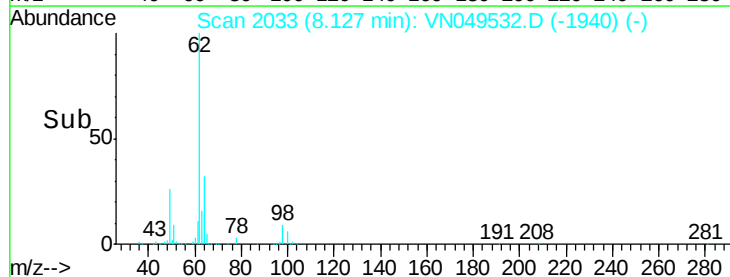
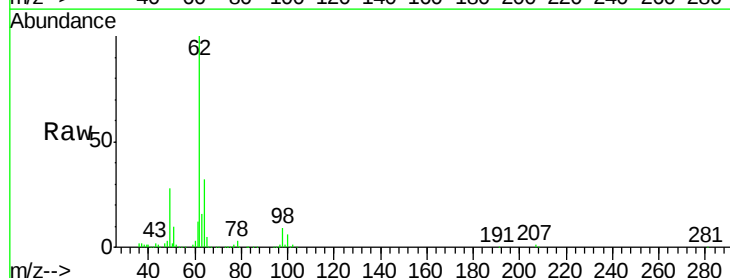
Manual Integrations
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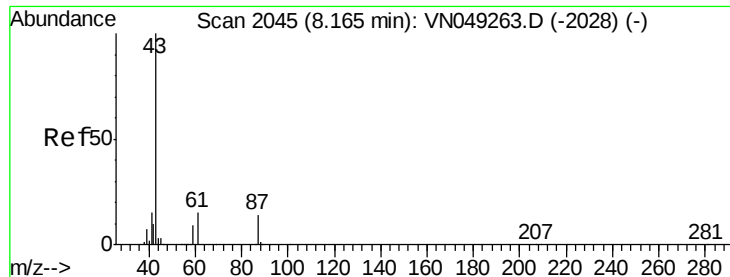
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#42
1,2-Dichloroethane
Concen: 19.03 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.29 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

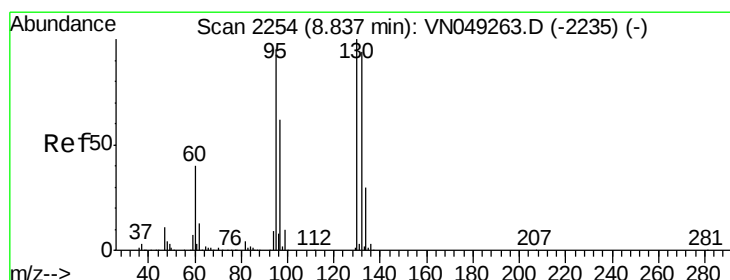
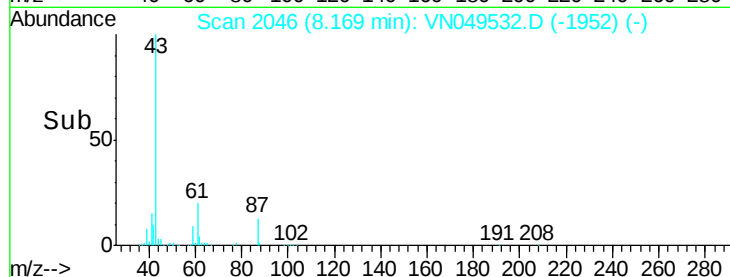
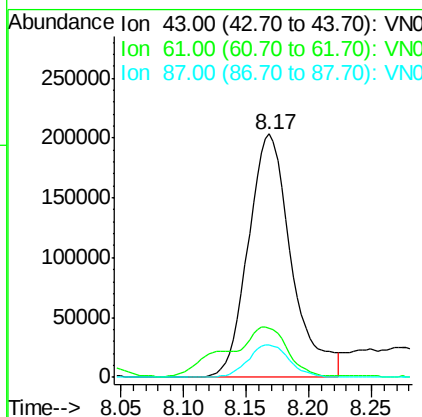
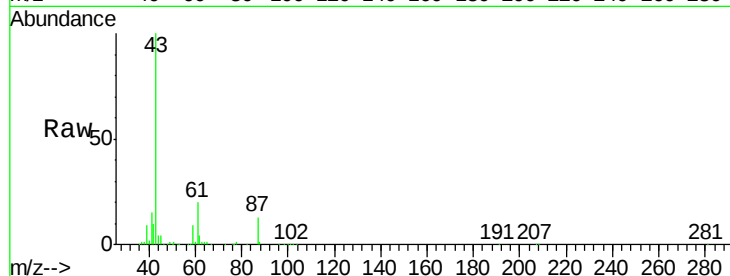
ClientSampleId :

VN0625WBS02

Tot Ion:	43	Resp:	484964
Ion	Ratio	Lower	Upper
43	100		
61	18.8	14.2	21.4
87	12.9	9.4	14.0

Manual Integrations
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#44

Trichloroethene

Concen: 19.27 ug/l

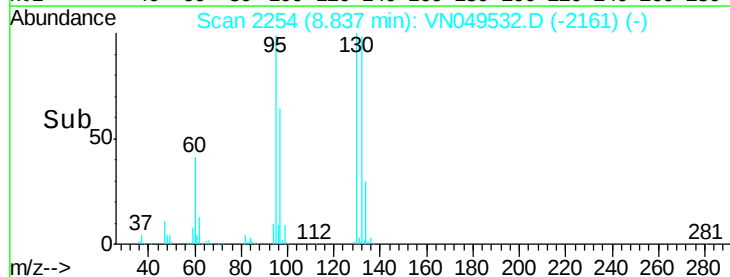
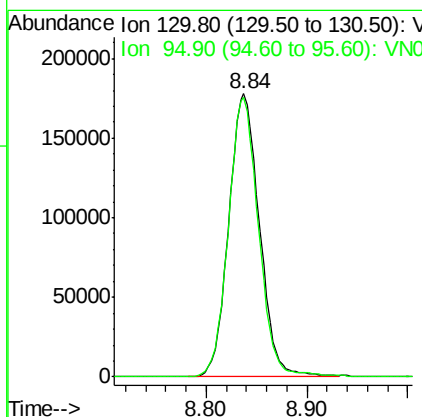
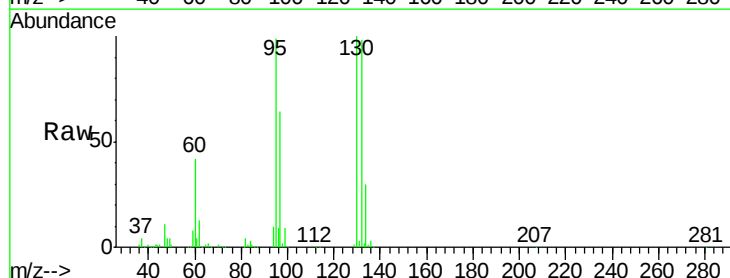
RT: 8.84 min Scan# 2254

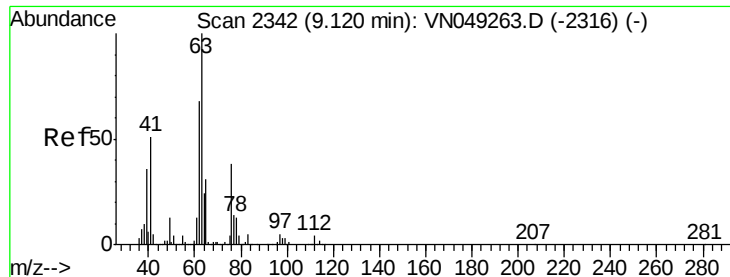
Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion:	130	Resp:	377412
Ion	Ratio	Lower	Upper
130	100		
95	98.7	0.0	208.6





#45

1,2-Dichloropropane

Concen: 18.55 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion: 63 Resp: 360335

Ion Ratio Lower Upper

63 100

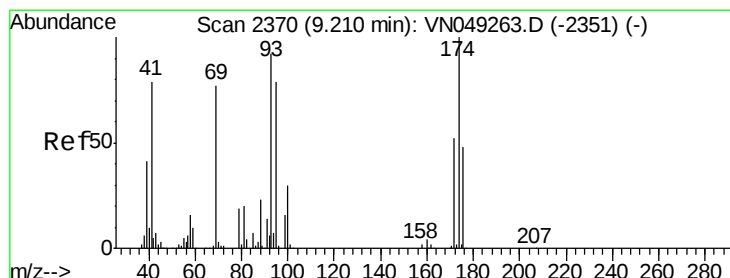
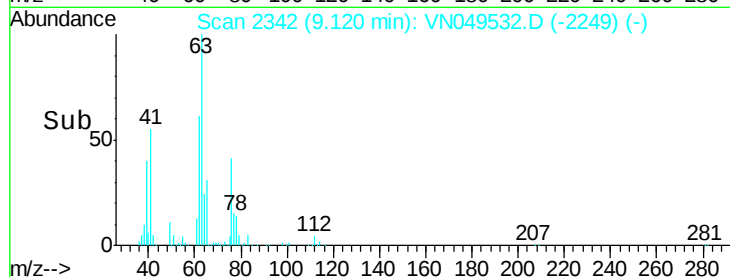
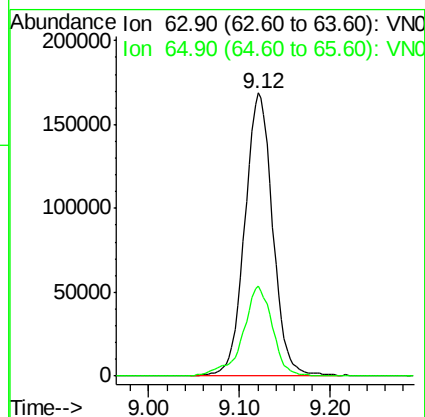
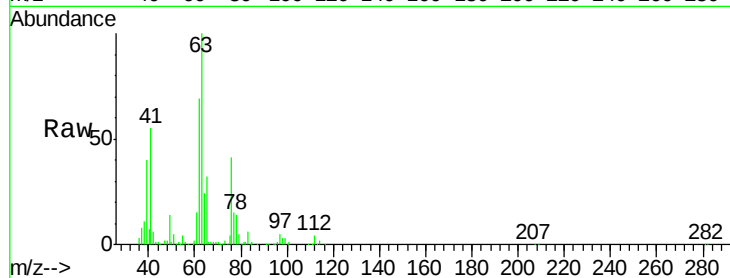
65 31.6 24.8 37.2

Manual Integrations

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#46

Dibromomethane

Concen: 18.83 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

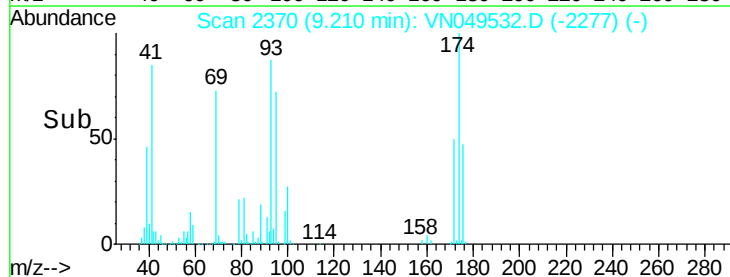
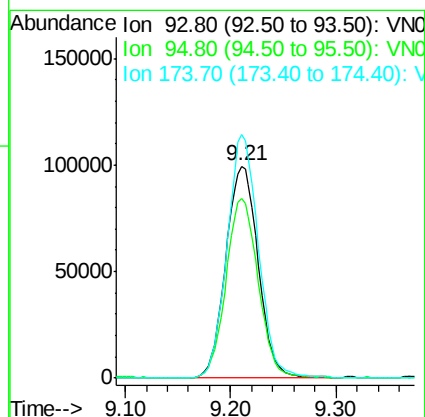
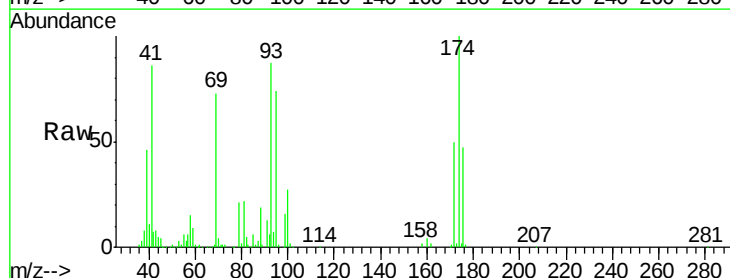
Tgt Ion: 93 Resp: 212108

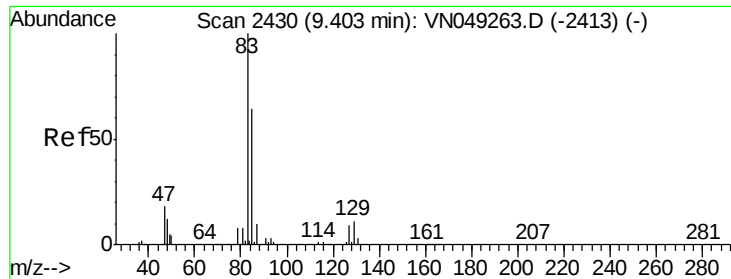
Ion Ratio Lower Upper

93 100

95 84.0 67.2 100.8

174 111.1 75.6 113.4





#47

Bromodichloromethane

Concen: 19.06 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

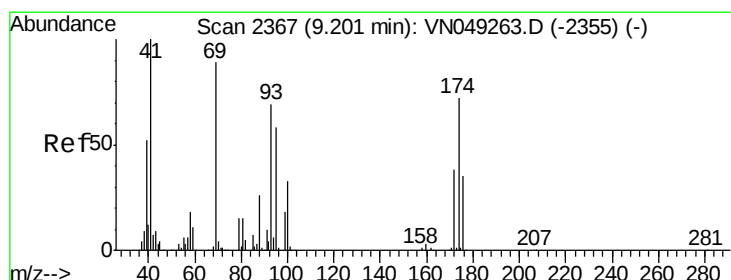
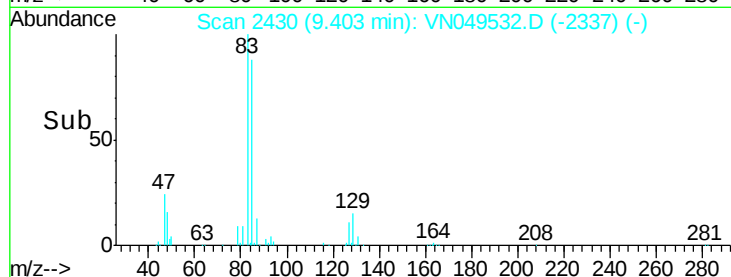
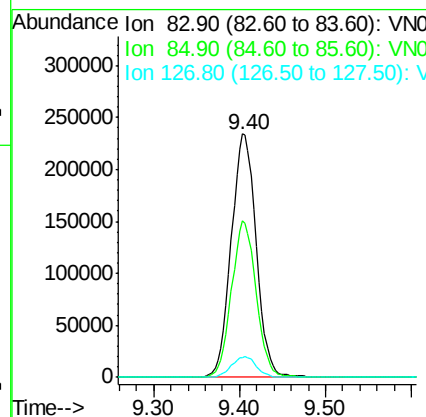
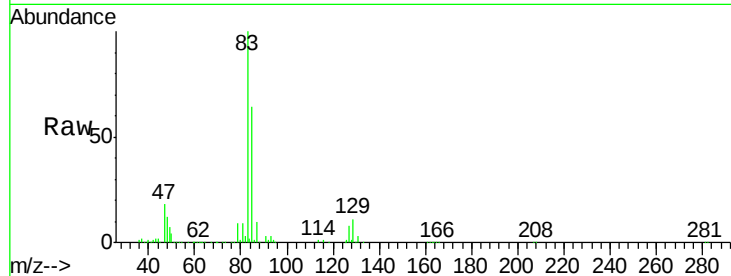
ClientSampleId :

VN0625WBS02

Tot Ion:	83	Resp:	471647
Ion Ratio	Lower	Upper	
83	100		
85	64.0	49.4	74.0
127	8.2	6.3	9.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.34 ug/l

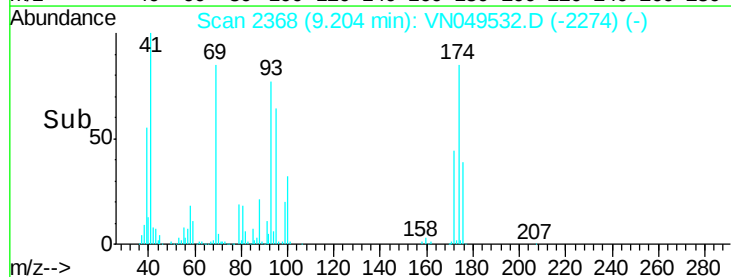
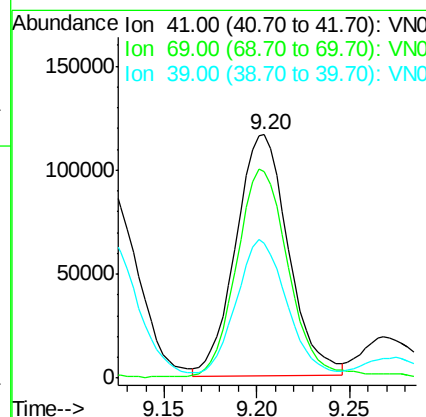
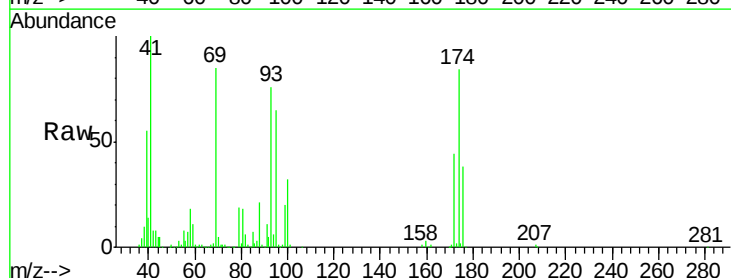
RT: 9.20 min Scan# 2368

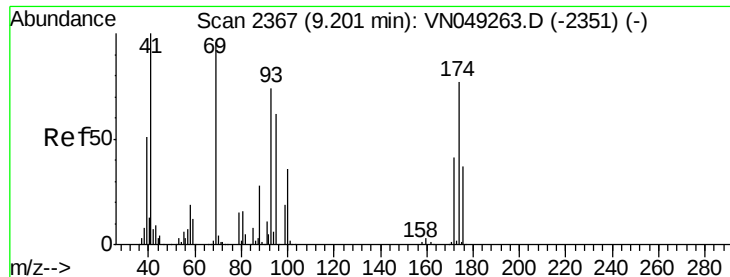
Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion:	41	Resp:	228871
Ion Ratio	Lower	Upper	
41	100		
69	85.9	62.0	93.0
39	55.6	50.6	75.8





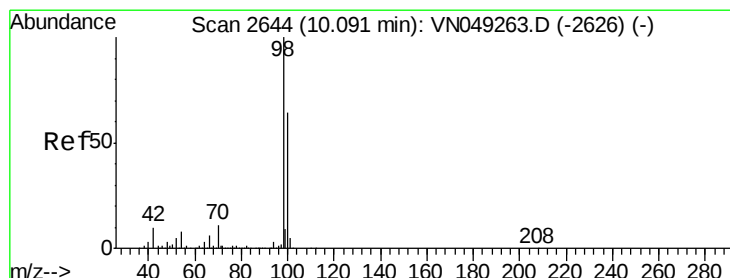
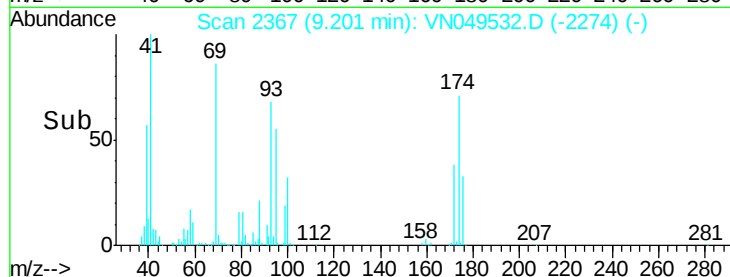
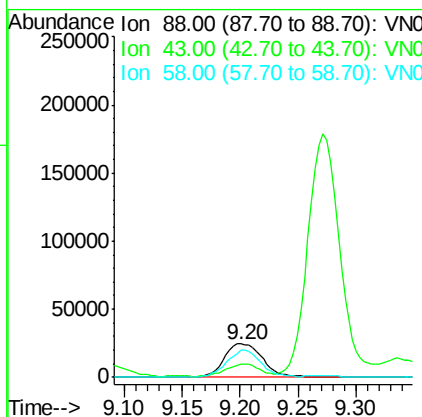
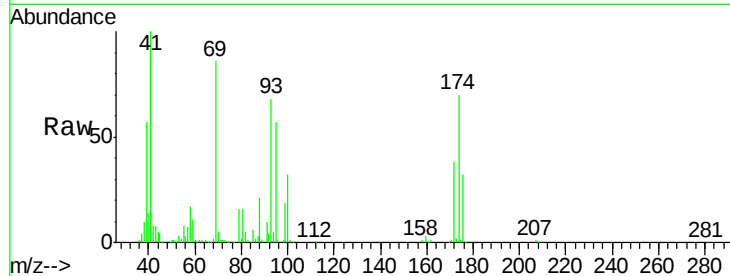
#49
1,4-Dioxane
Concen: 353.23 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	30.9	46.3
58	72.6	58.9	88.3

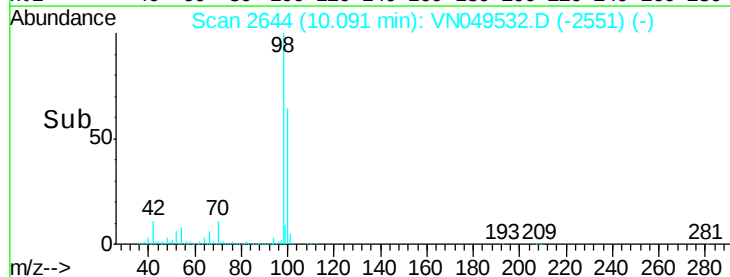
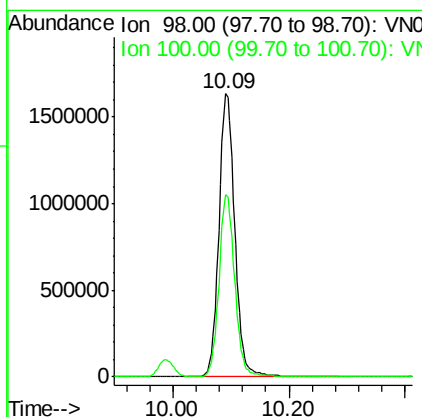
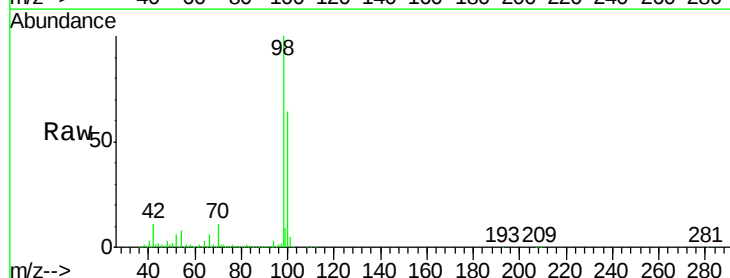
Manual Integrations
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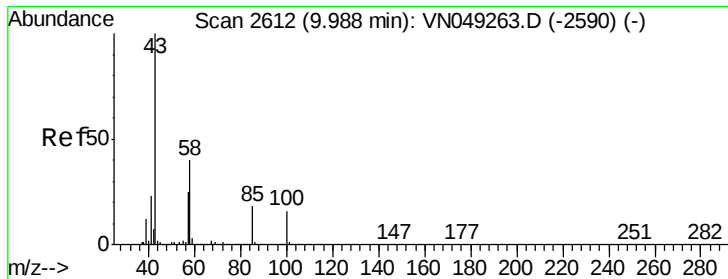
apatel
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#50
Toluene-d8
Concen: 47.56 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 94.46 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion: 43 Resp: 1244293

Ion Ratio Lower Upper

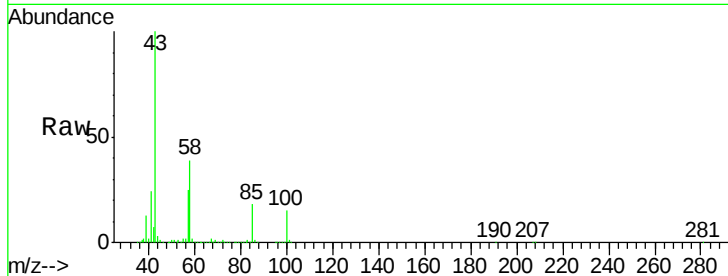
43 100

58 39.6 29.0 43.6

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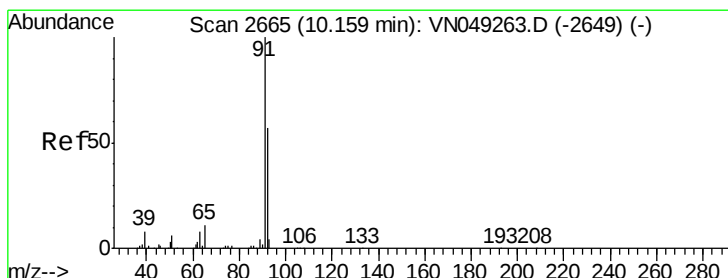
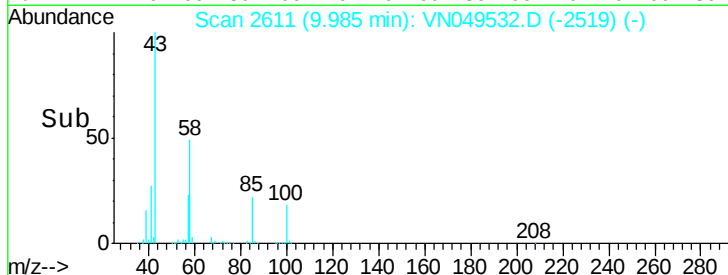
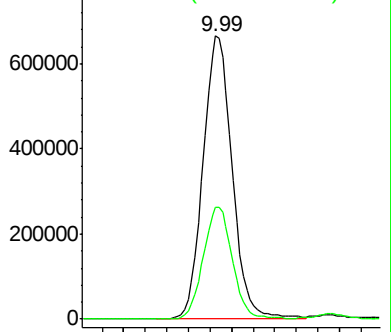
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.49 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049532.D

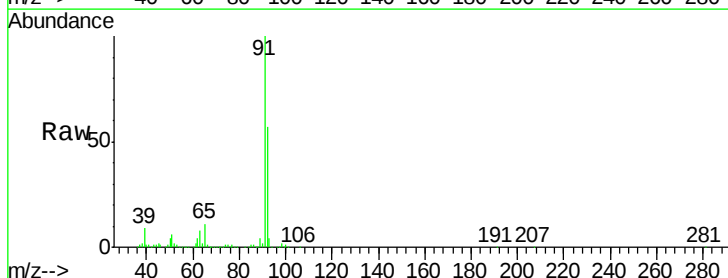
Acq: 26 Jun 2018 1:20

Tgt Ion: 92 Resp: 848423

Ion Ratio Lower Upper

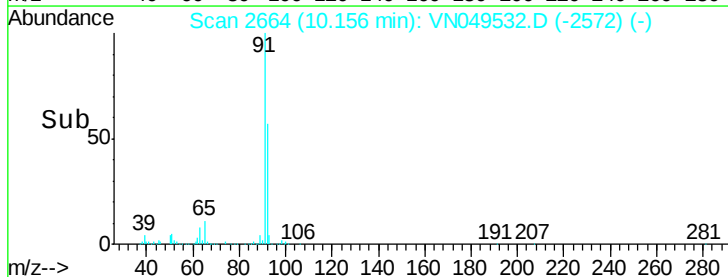
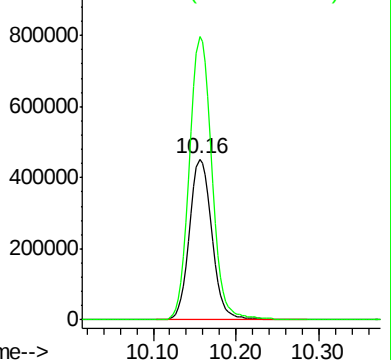
92 100

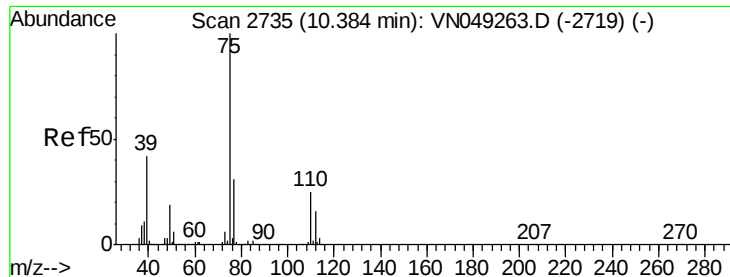
91 177.1 143.4 215.2



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: 17.51 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampled :

VN0625WBS02

Tot Ion: 75 Resp: 414650

Ion Ratio Lower Upper

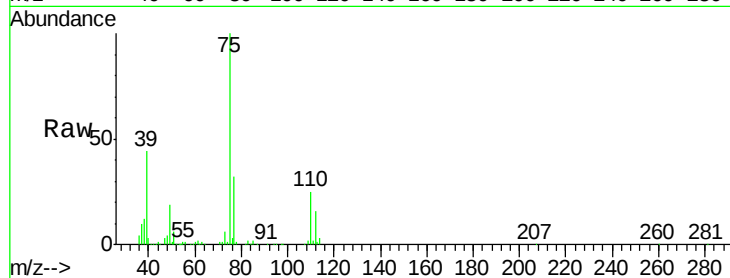
75 100

77 31.3 25.2 37.8

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

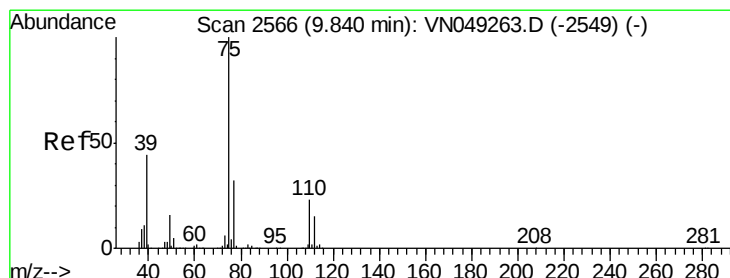
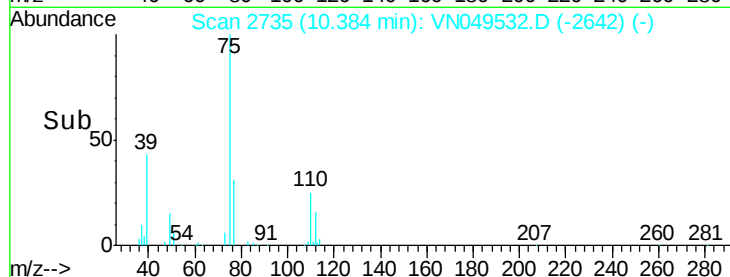
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 17.98 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

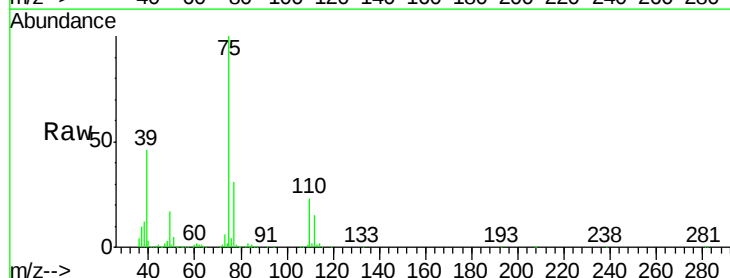
Tgt Ion: 75 Resp: 502534

Ion Ratio Lower Upper

75 100

77 31.2 24.8 37.2

39 46.4 45.1 67.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

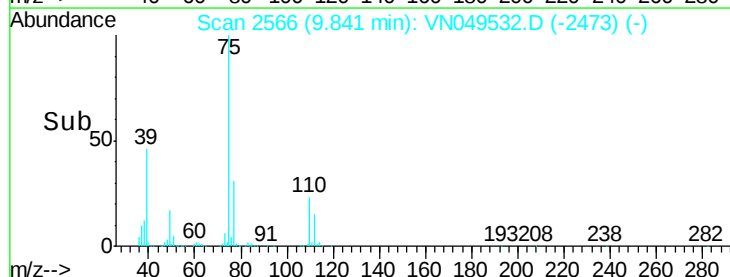
300000

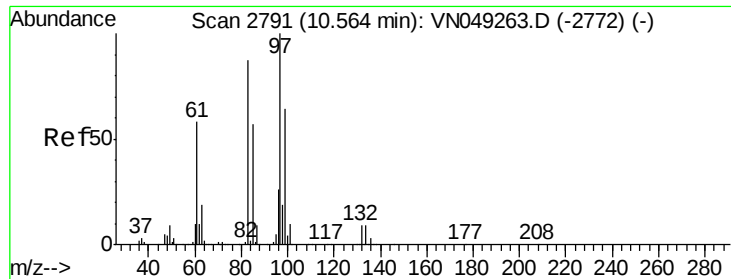
200000

100000

0

Time-->





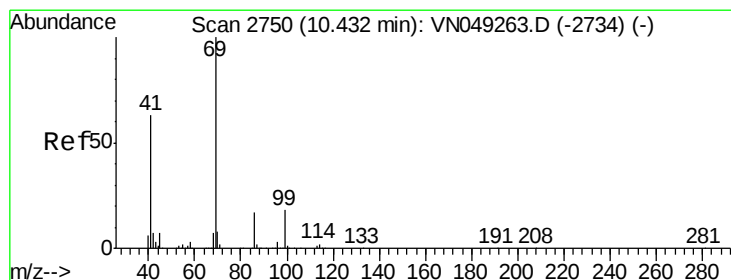
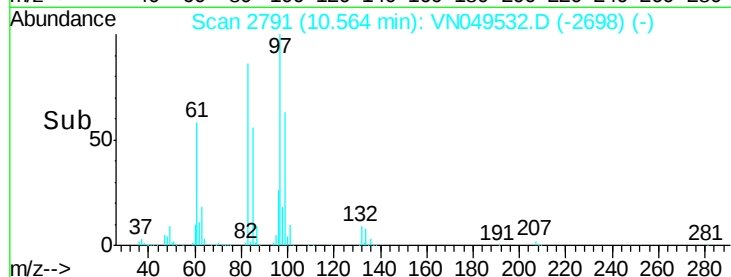
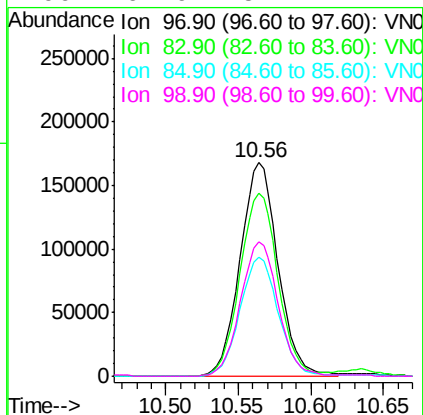
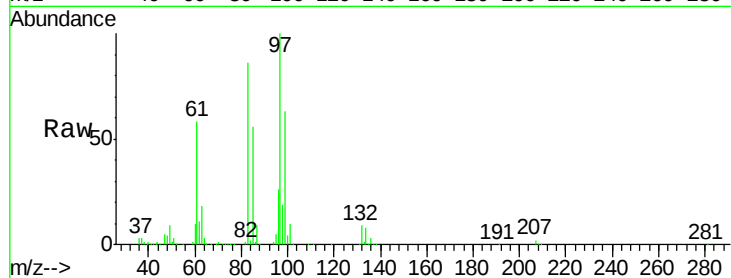
#55
 1,1,2-Trichloroethane
 Concen: 18.81 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	85.8	71.5	107.3
85	55.7	47.0	70.4
99	62.9	51.4	77.2

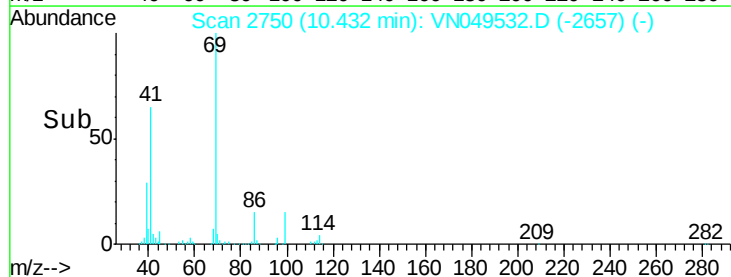
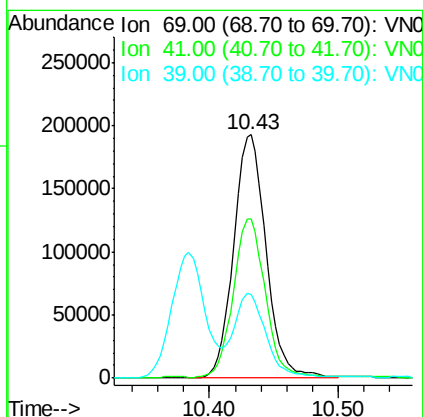
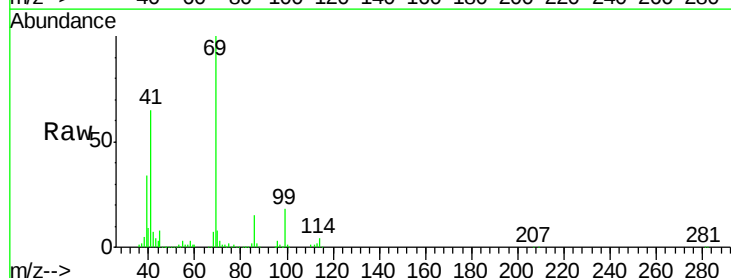
Manual Integrations
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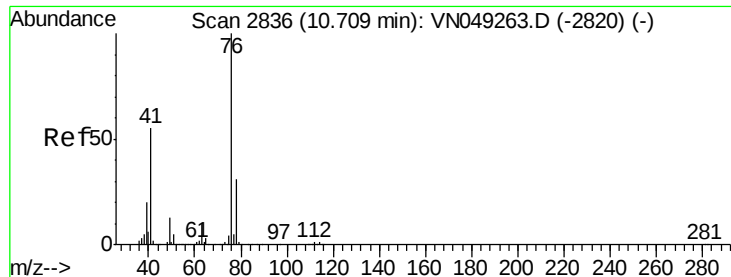
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#56
 Ethyl methacrylate
 Concen: 18.03 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.7	58.4	87.6
39	33.8	35.5	53.3#





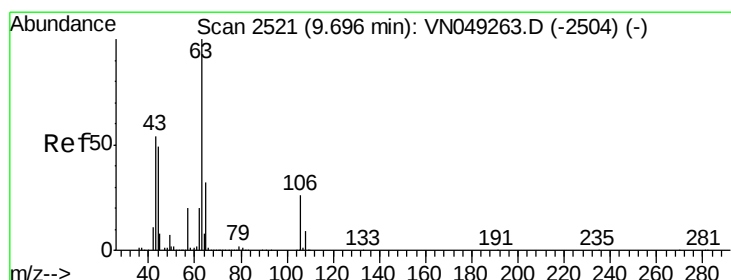
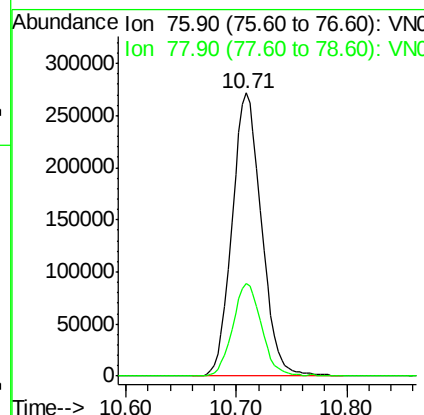
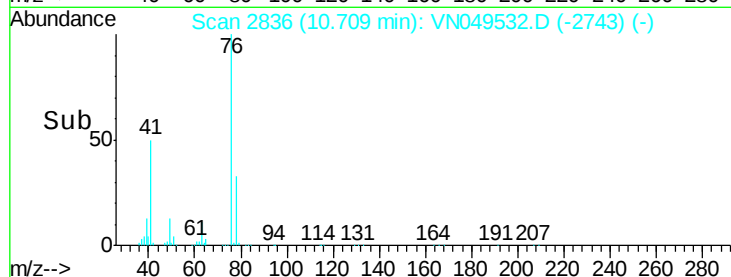
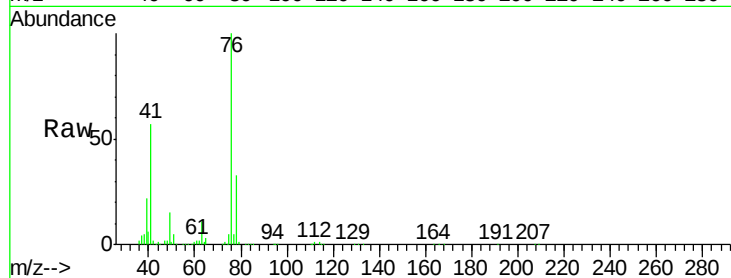
#57
 1,3-Dichloropropane
 Concen: 18.70 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

Tot Ion: 76 Resp: 502791
 Ion Ratio Lower Upper
 76 100
 78 31.9 26.3 39.5

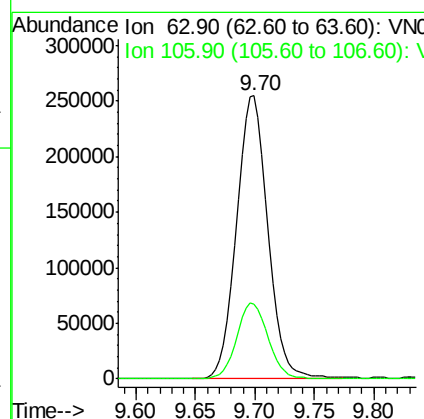
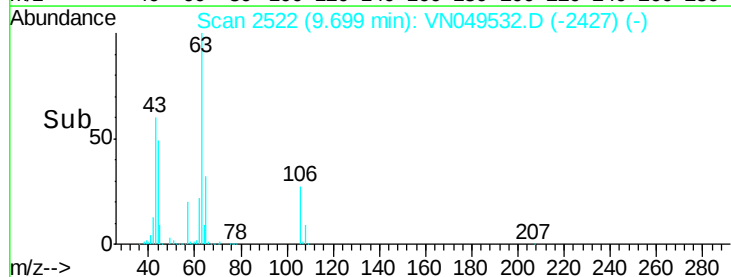
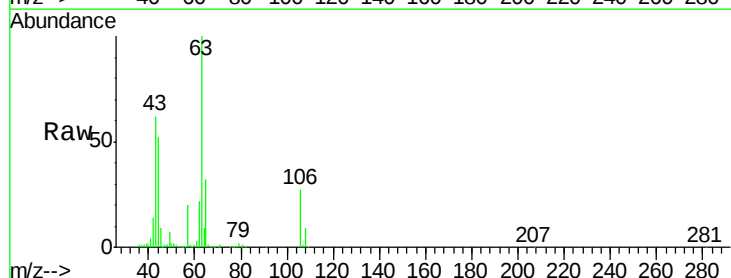
Manual Integrations
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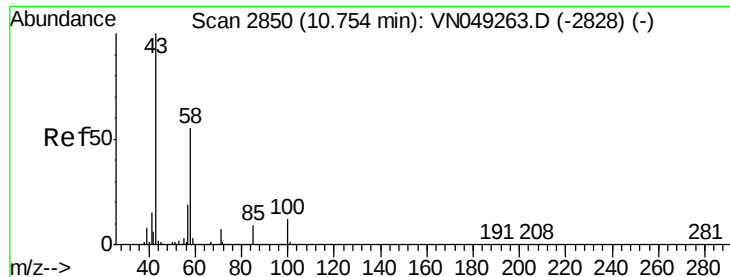
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#58
 2-Chloroethyl Vinyl ether
 Concen: 79.88 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion: 63 Resp: 465516
 Ion Ratio Lower Upper
 63 100
 106 27.1 19.4 29.2





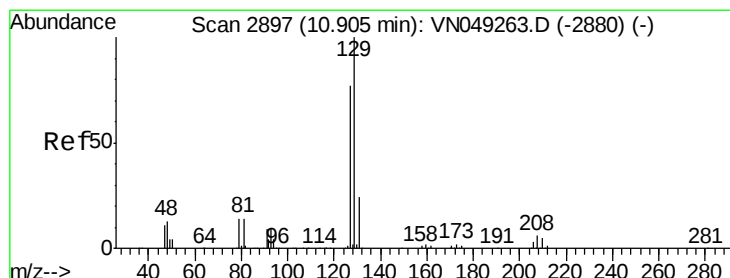
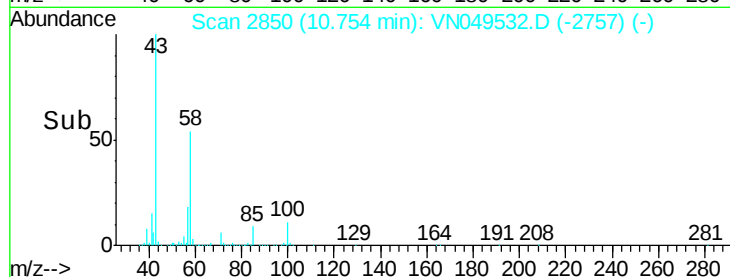
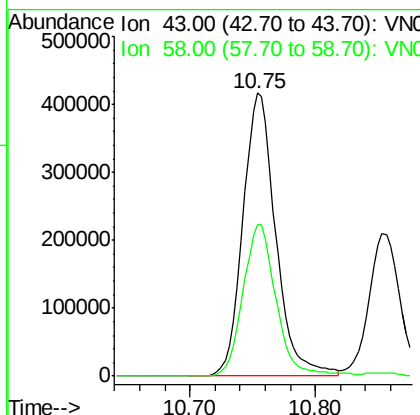
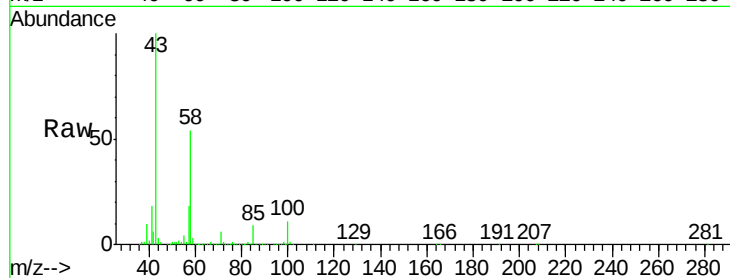
#59
2-Hexanone
Concen: 89.00 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	25.2	75.6

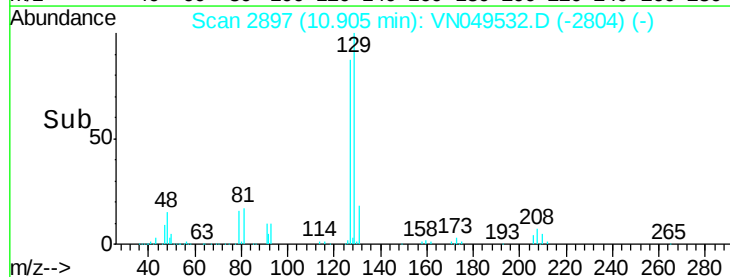
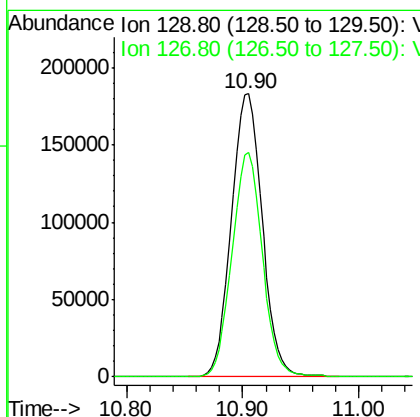
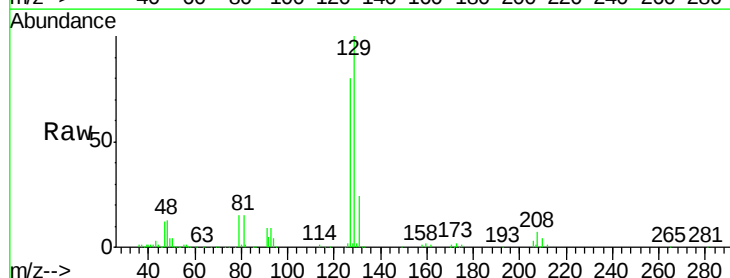
Manual Integrations
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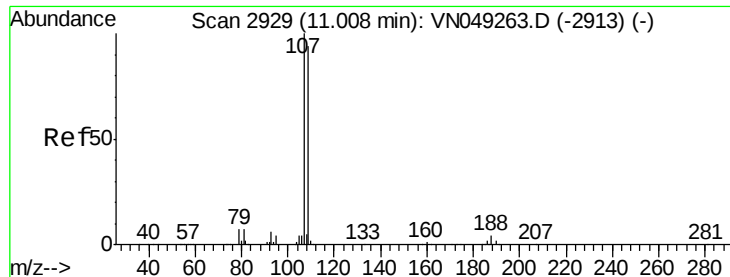
apatel
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#60
Dibromochloromethane
Concen: 18.63 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.2





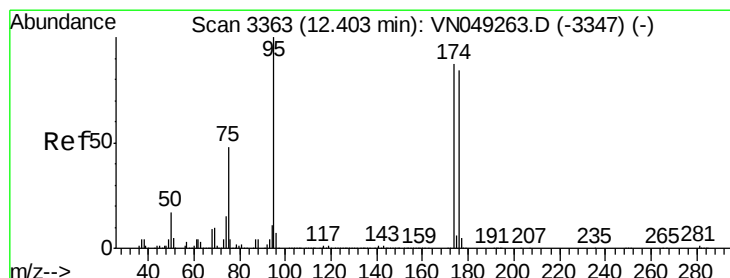
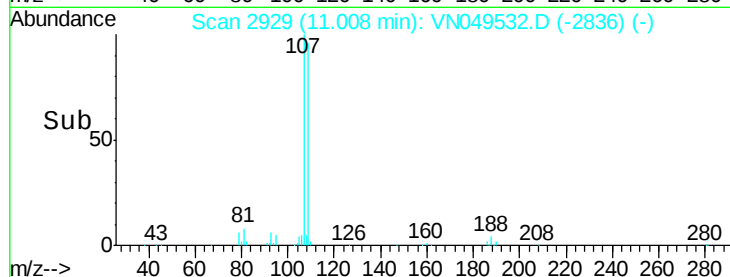
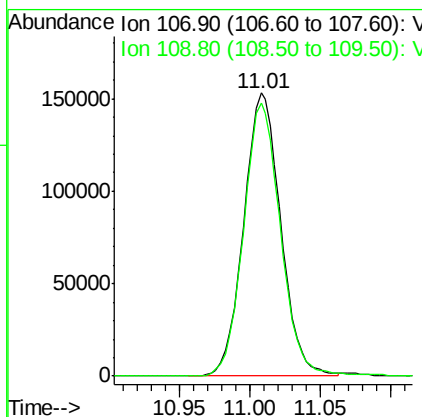
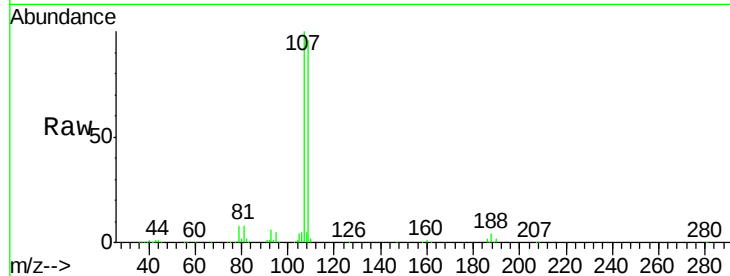
#61
 1,2-Dibromoethane
 Concen: 18.66 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

Tot Ion	Ratio	Resp	Lower	Upper
107	100	281498		
109	96.3	75.4	113.2	

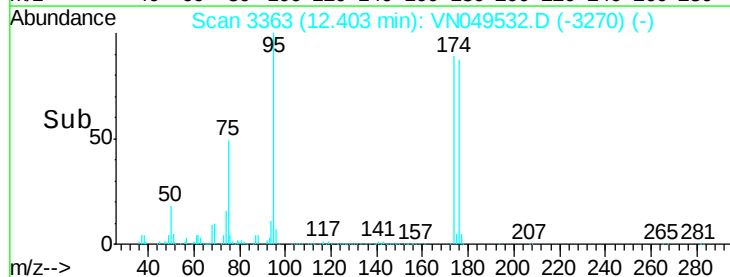
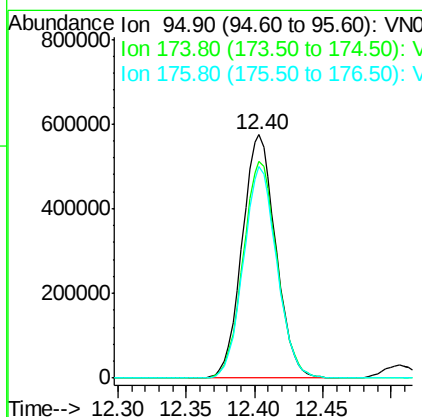
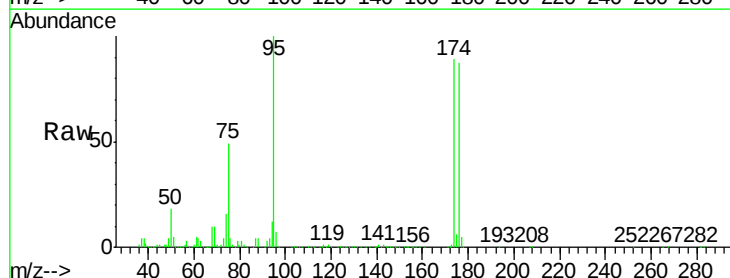
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 45.71 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	983048		
174	89.8	0.0	165.6	
176	86.3	0.0	157.4	





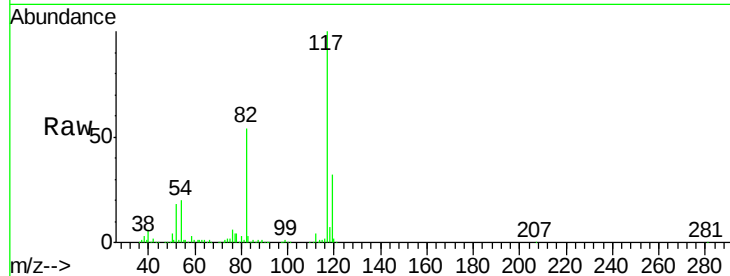
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

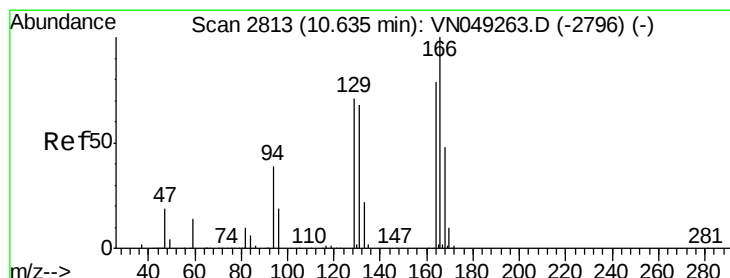
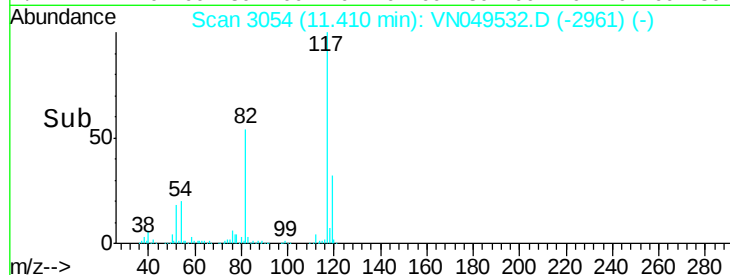
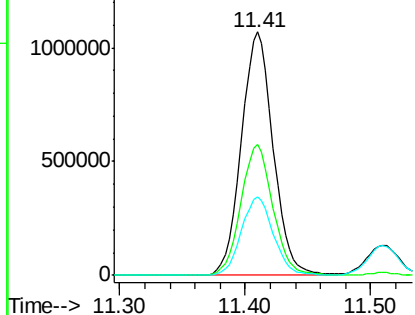
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.9	68.9
119	32.2	25.5	38.3

Manual Integrations
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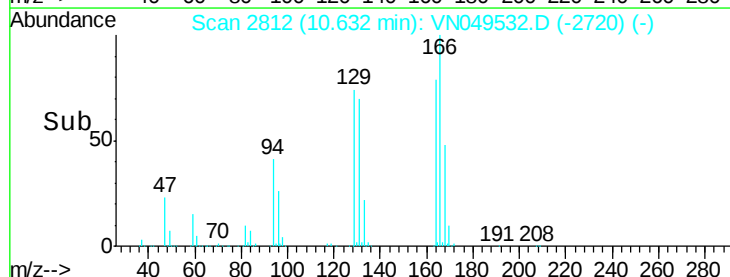
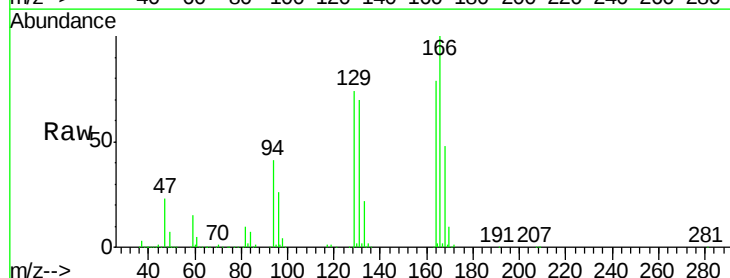
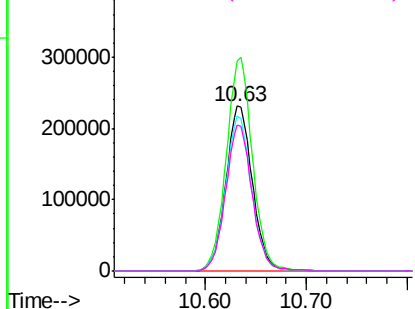
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 21.98 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	101.4	152.2
129	93.7	74.1	111.1
131	88.3	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: 18.60 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion:112 Resp: 905264

Ion Ratio Lower Upper

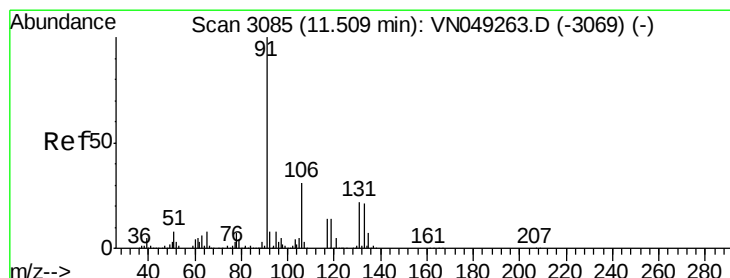
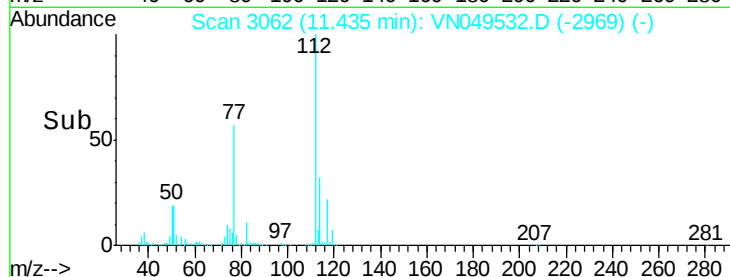
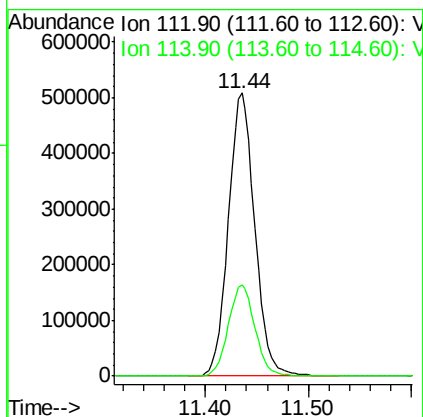
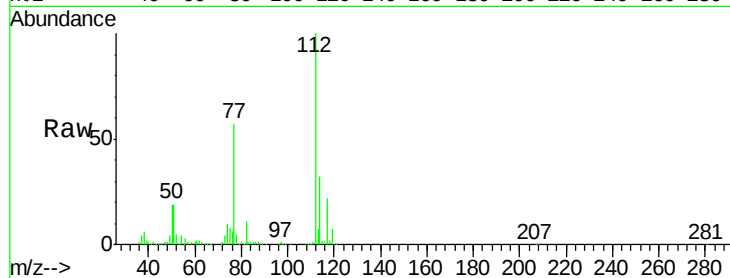
112 100

114 32.1 26.2 39.4

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 19.03 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

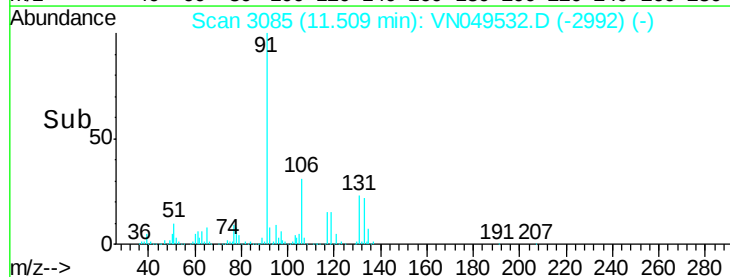
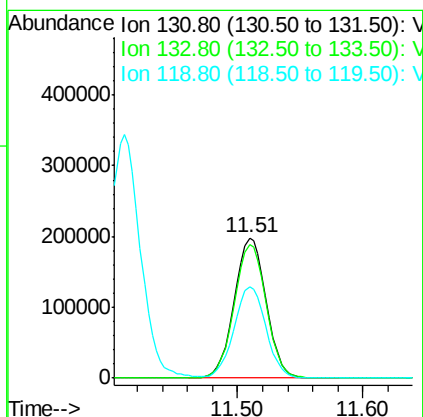
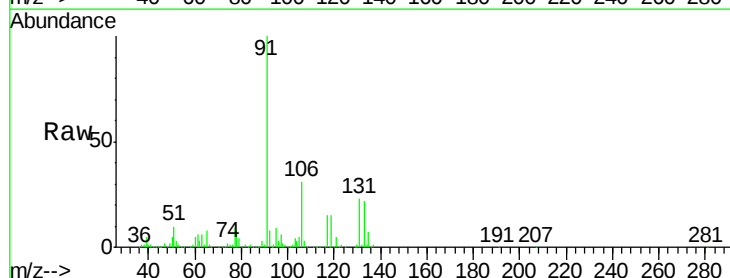
Tgt Ion:131 Resp: 348436

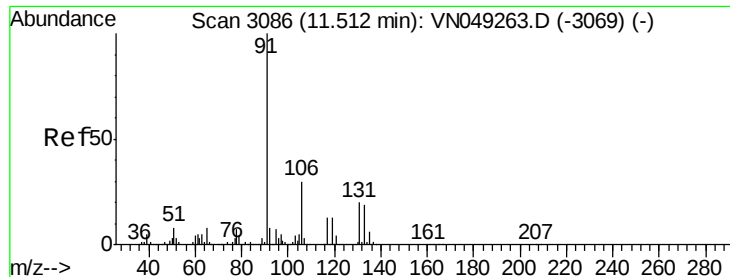
Ion Ratio Lower Upper

131 100

133 96.1 48.0 144.2

119 65.9 33.6 100.8





#67

Ethyl Benzene

Concen: 18.81 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion: 91 Resp: 1518425

Ion Ratio Lower Upper

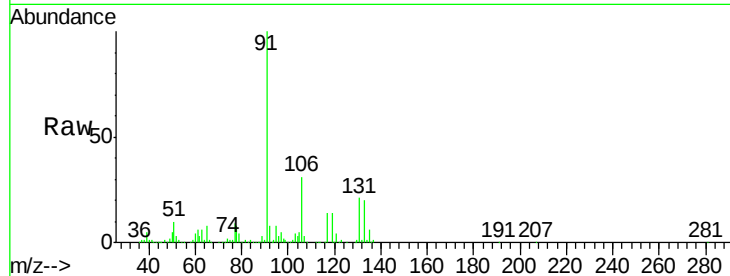
91 100

106 31.1 23.9 35.9

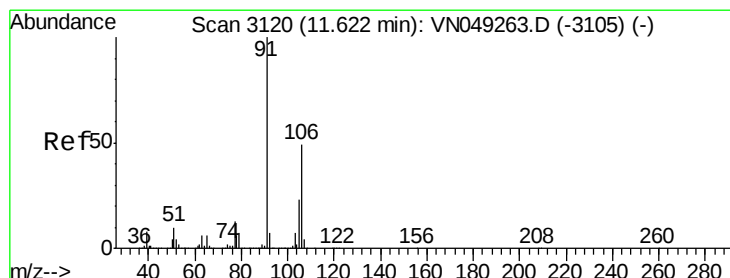
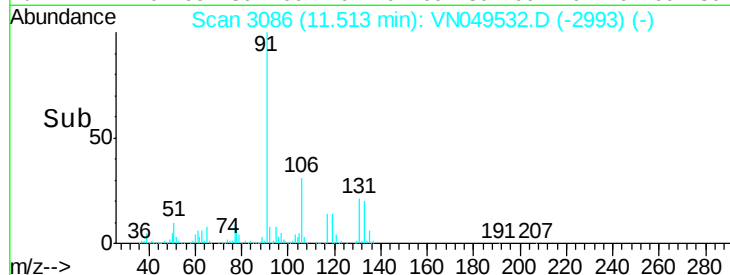
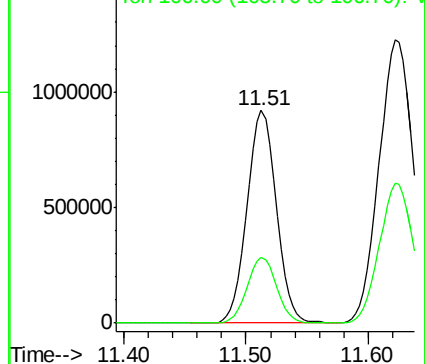
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3069) (-)



#68

m/p-Xylenes

Concen: 38.72 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049532.D

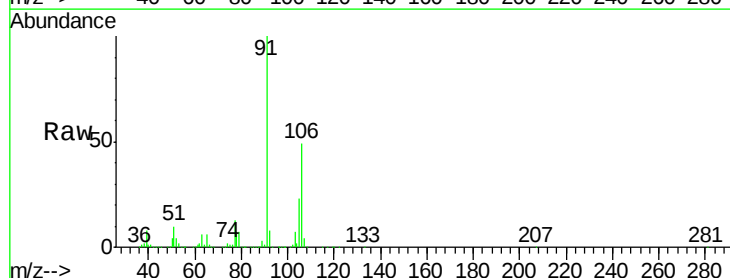
Acq: 26 Jun 2018 1:20

Tgt Ion: 106 Resp: 1172980

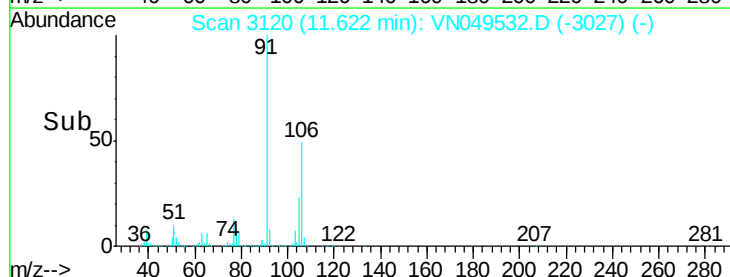
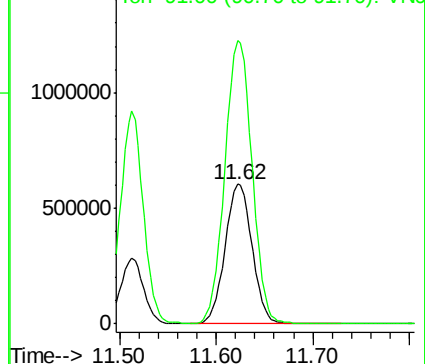
Ion Ratio Lower Upper

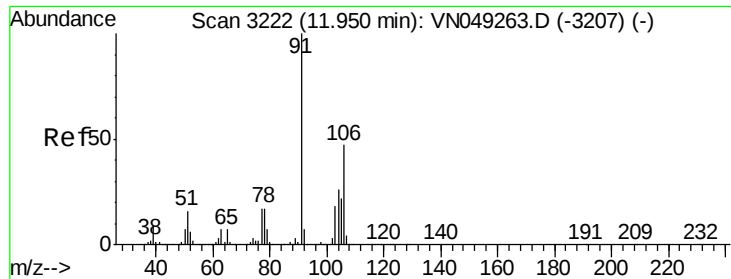
106 100

91 204.0 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049263.D (-3105) (-)





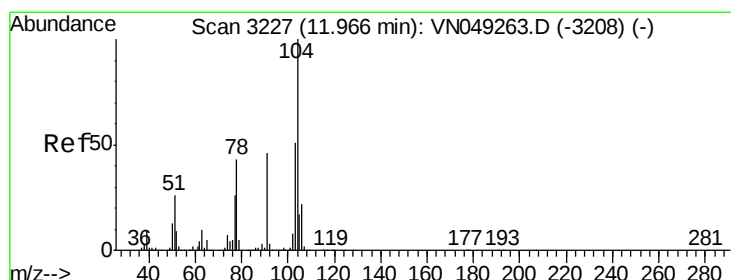
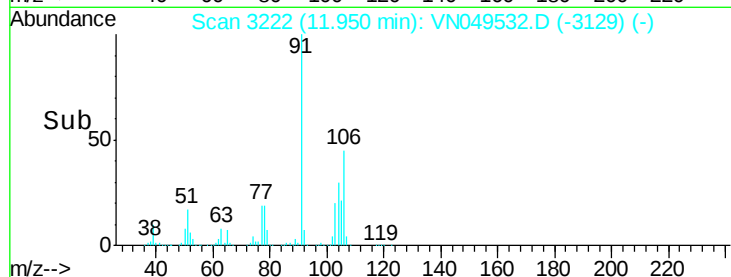
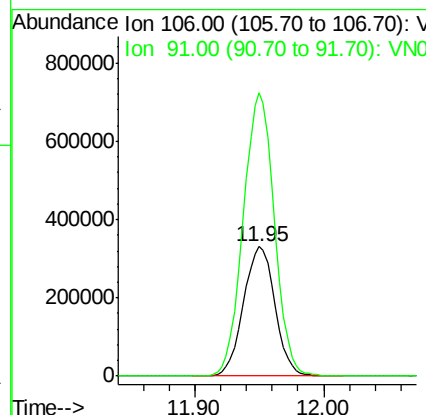
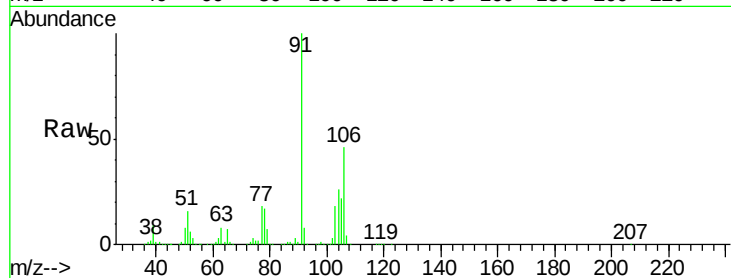
#69
o-Xylene
Concen: 19.27 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampled :
VN0625WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.8	111.0	333.0

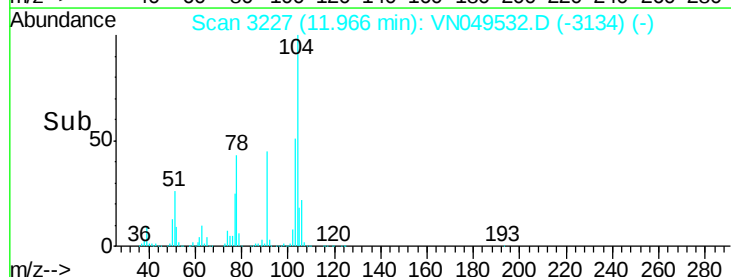
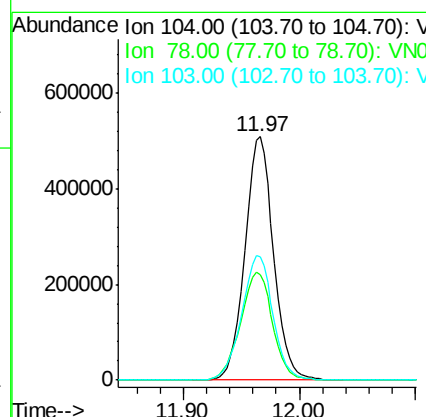
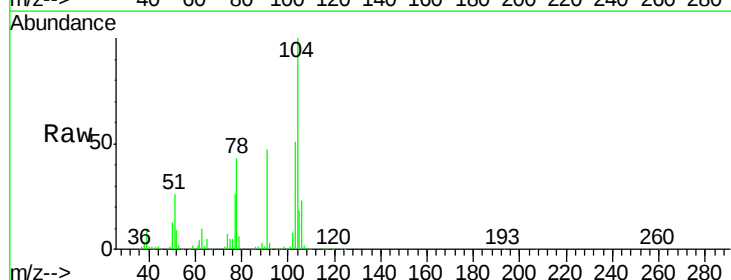
Manual Integrations
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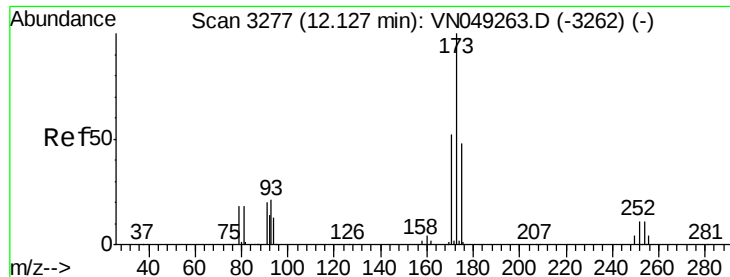
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#70
Styrene
Concen: 18.94 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.8	41.6	62.4
103	55.8	45.4	68.2





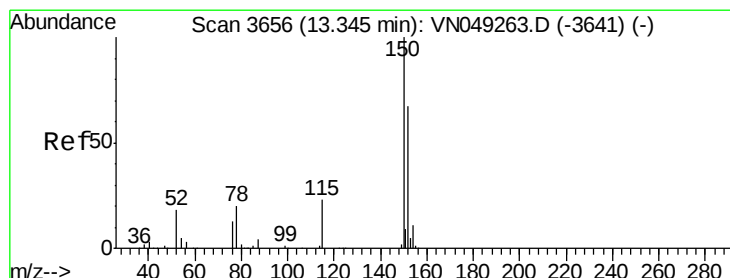
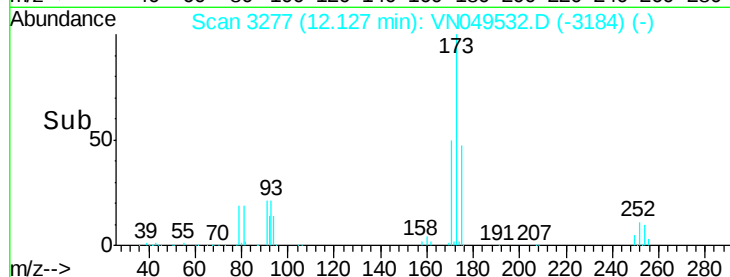
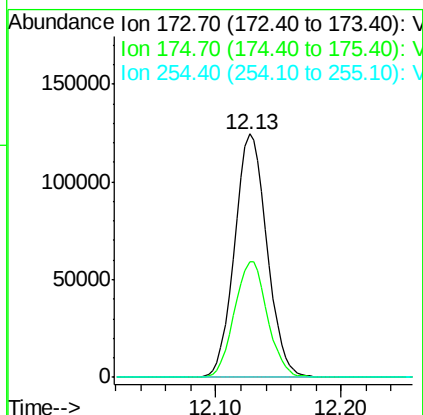
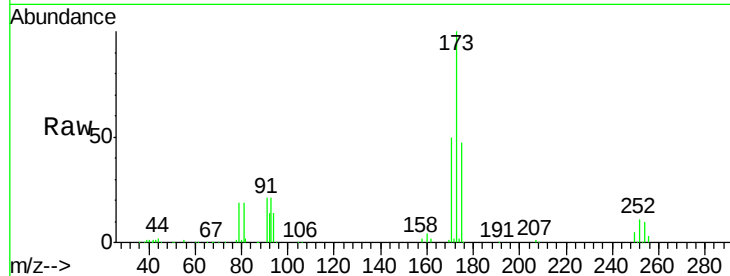
#71
Bromoform
Concen: 18.85 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.5	73.5
254	0.1	0.1	0.1#

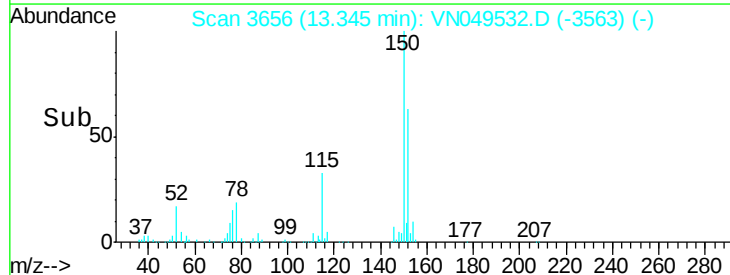
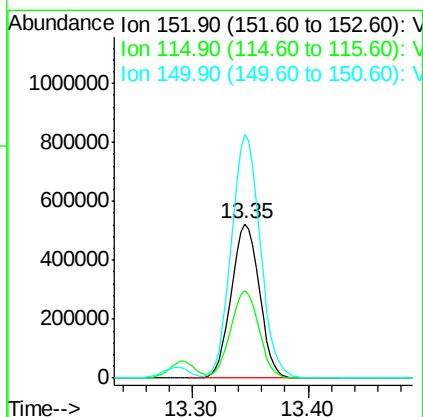
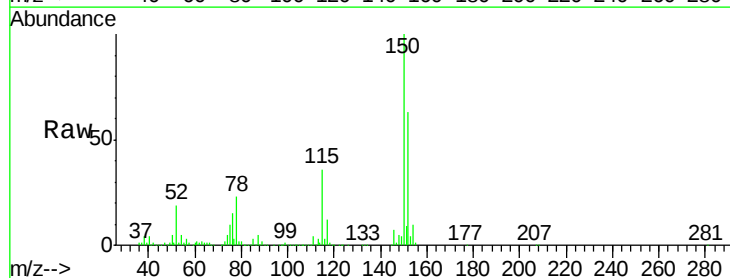
Manual Integrations
APPROVED

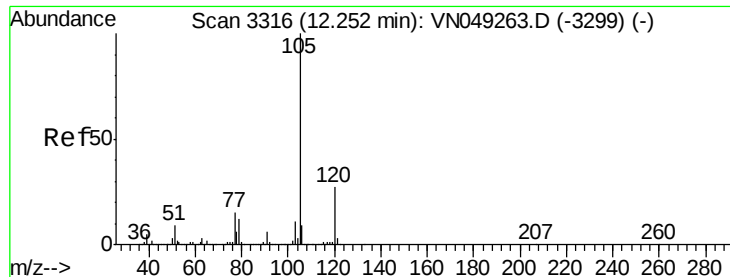
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.7	86.1
150	162.1	0.0	351.0





#73

Isopropylbenzene

Concen: 19.45 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion:105 Resp: 1493632

Ion Ratio Lower Upper

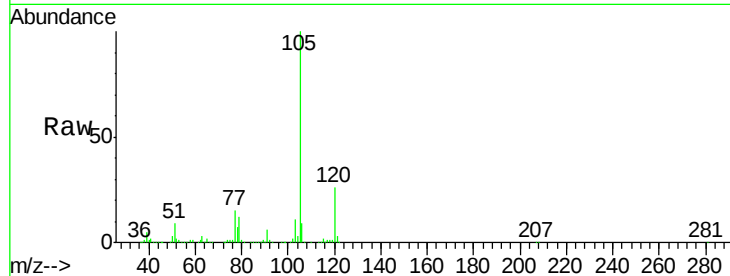
105 100

120 26.3 12.8 38.3

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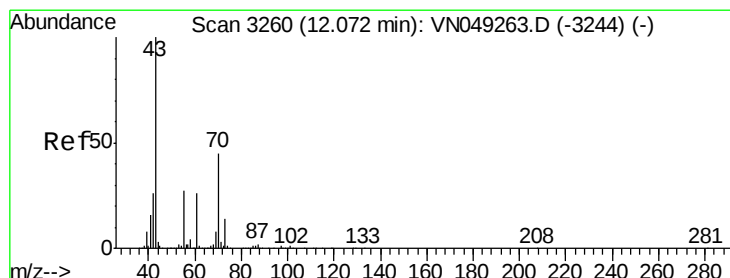
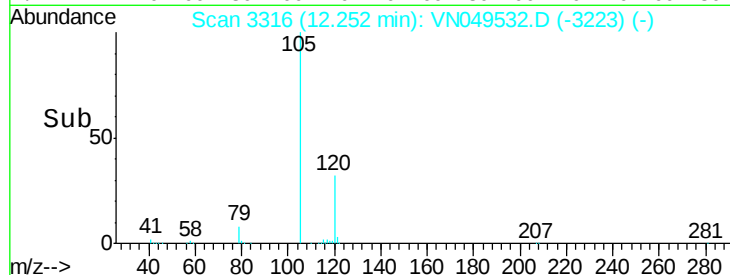
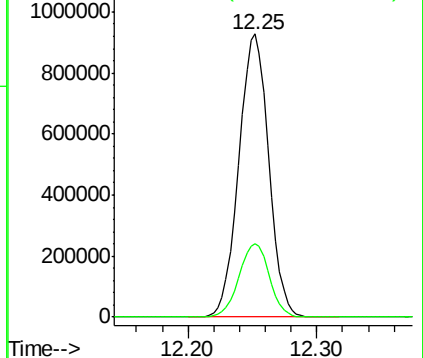
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.36 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion: 43 Resp: 326616

Ion Ratio Lower Upper

43 100

70 43.6 30.3 45.5

55 28.0 19.4 29.2

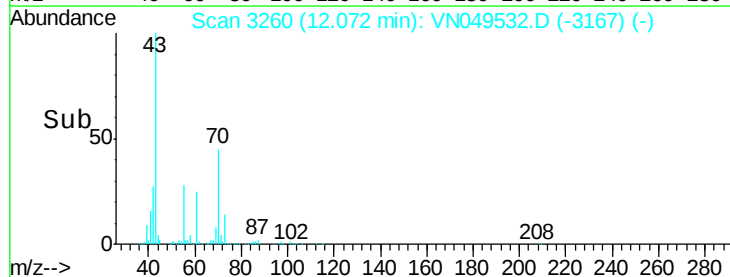
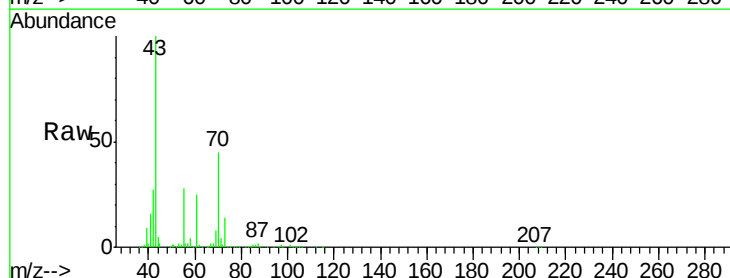
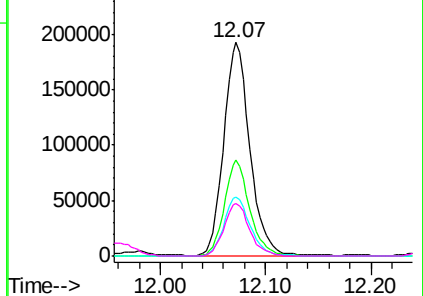
61 24.5 17.8 26.6

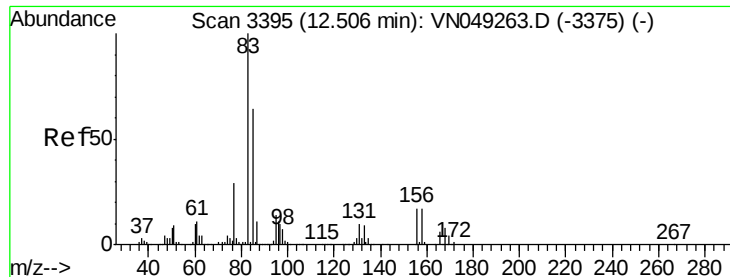
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.96 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

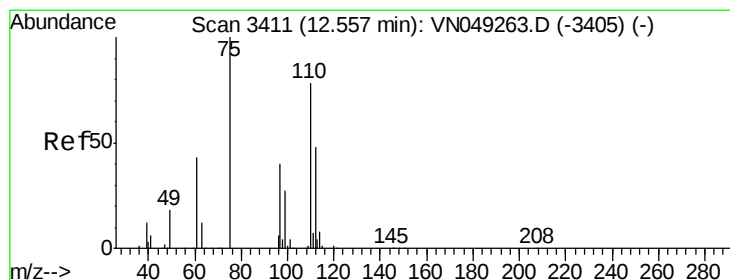
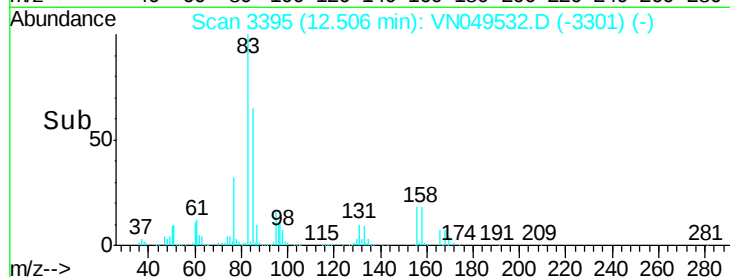
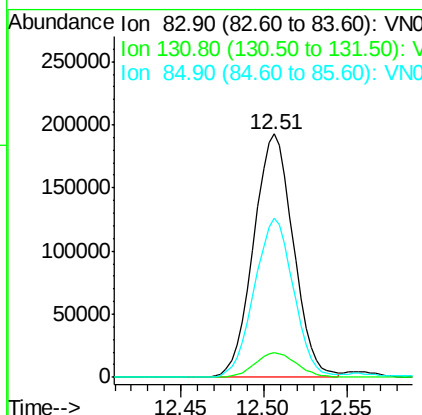
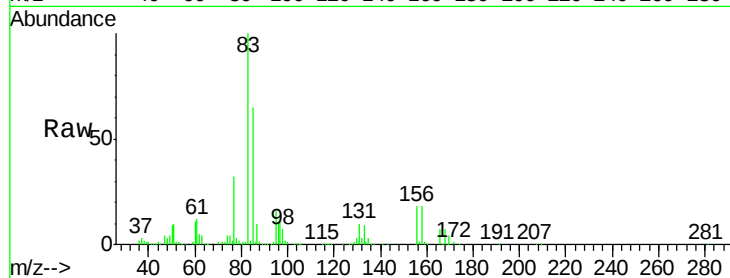
ClientSampleId :

VN0625WBS02

Tot Ion:	83	Resp:	321512
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.0	15.0
85	64.5	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.72 ug/l m

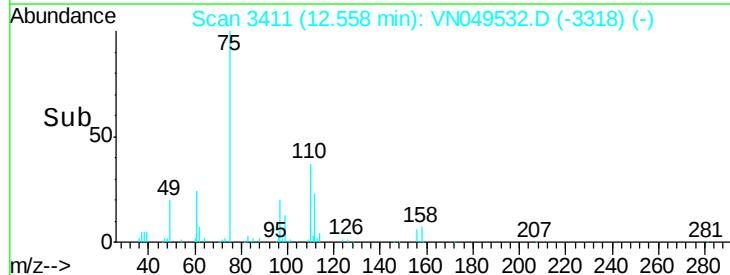
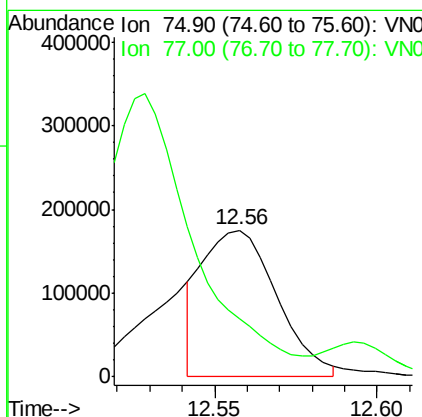
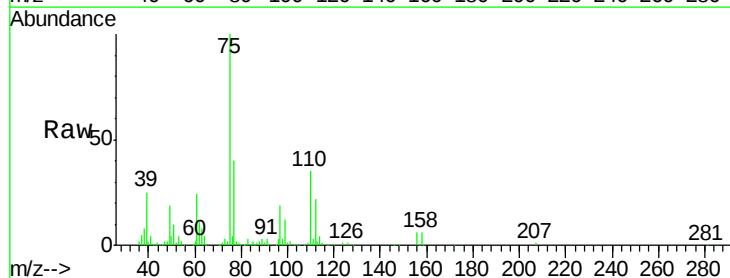
RT: 12.56 min Scan# 3411

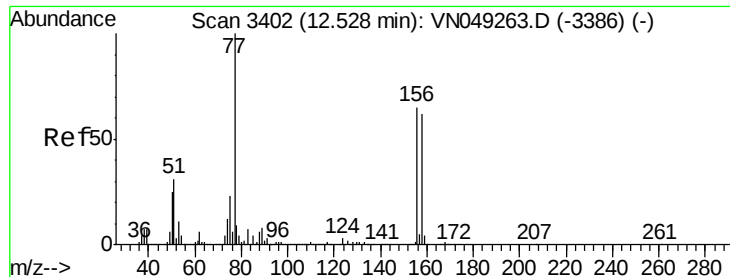
Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion:	75	Resp:	279384
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.68 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

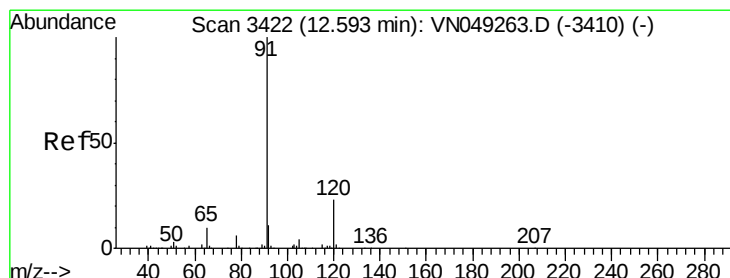
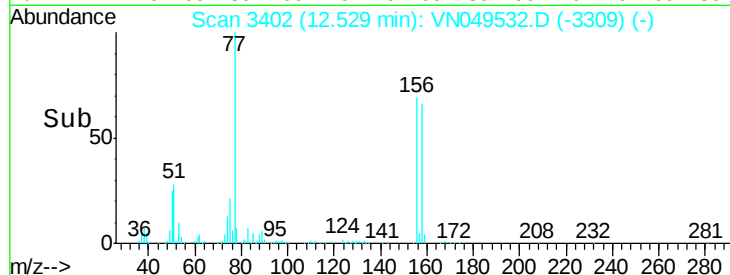
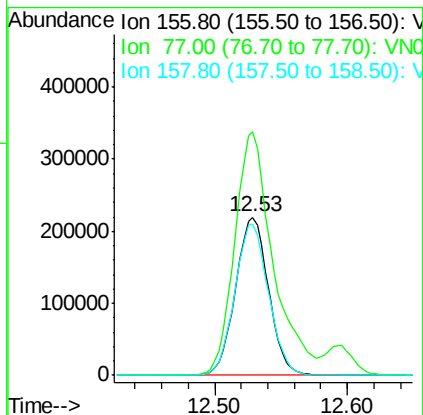
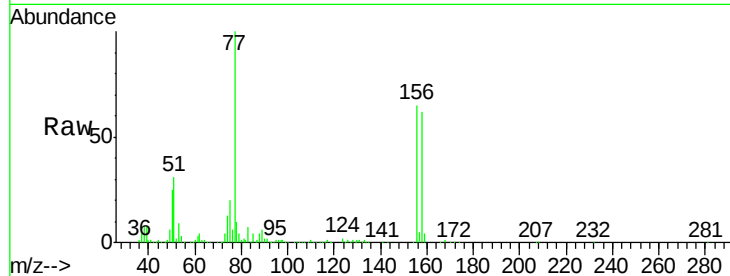
ClientSampled :

VN0625WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	179.4	100.8	302.4
158	97.5	49.3	147.9

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#78

n-propylbenzene

Concen: 19.33 ug/l

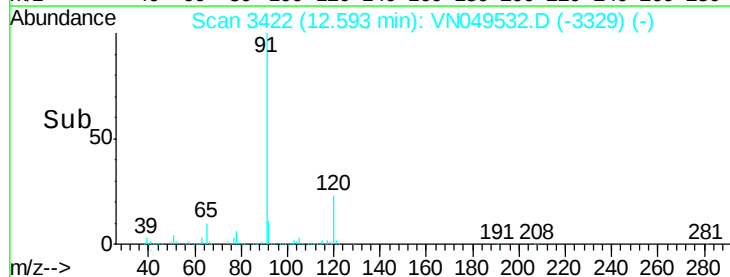
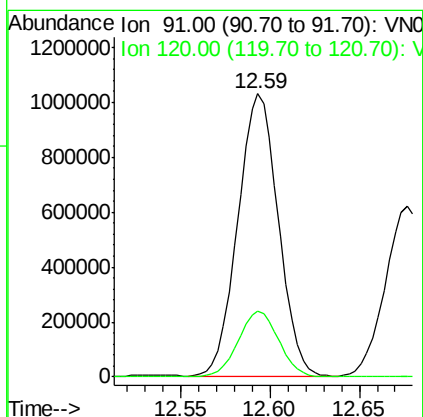
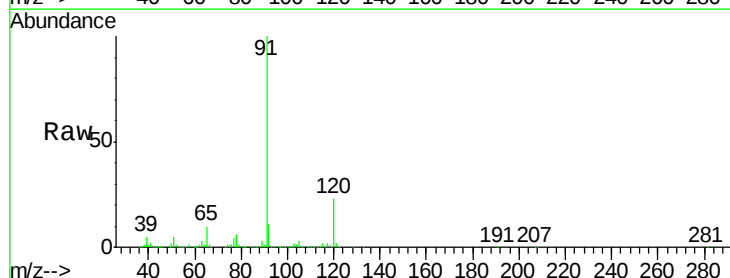
RT: 12.59 min Scan# 3422

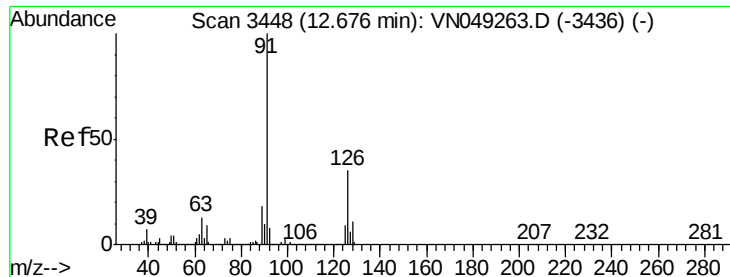
Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.2	33.5





#79

2-Chlorotoluene

Concen: 19.15 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion: 91 Resp: 1022979

Ion Ratio Lower Upper

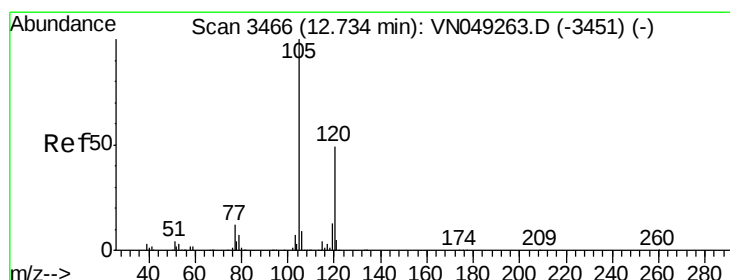
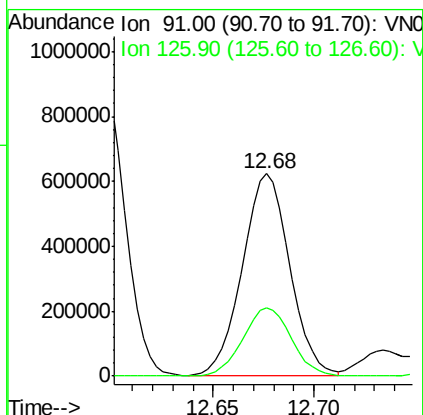
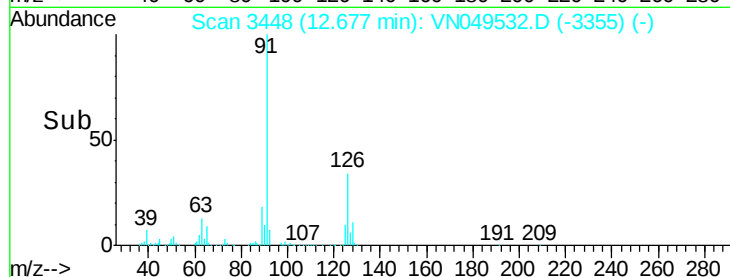
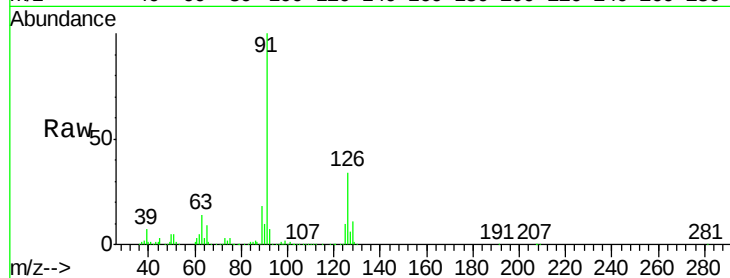
91 100

126 34.6 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 20.15 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049532.D

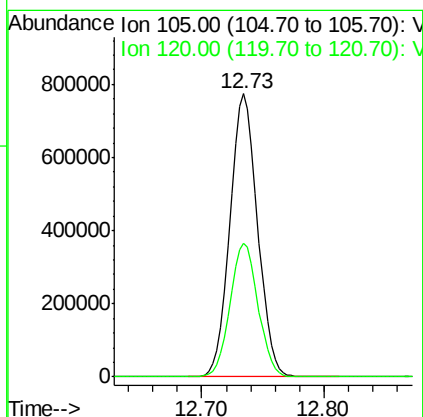
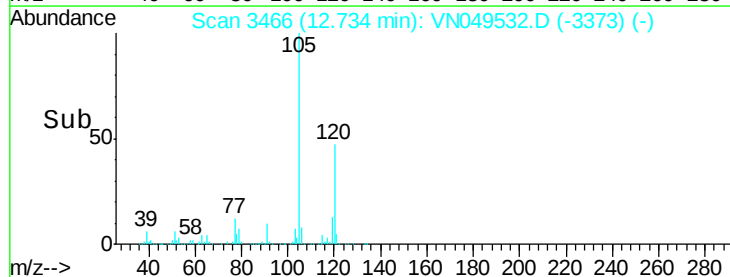
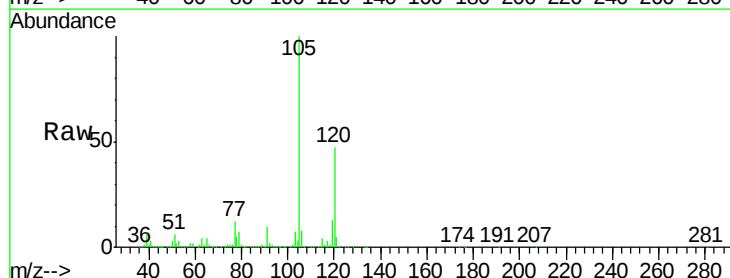
Acq: 26 Jun 2018 1:20

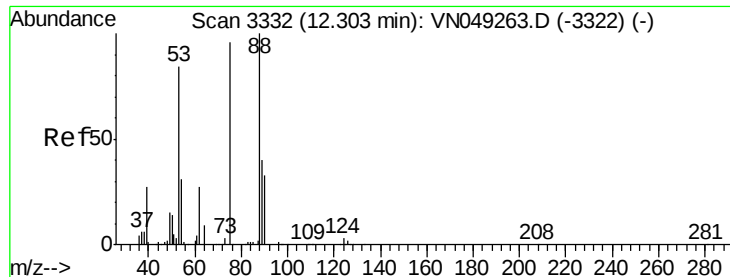
Tgt Ion: 105 Resp: 1216618

Ion Ratio Lower Upper

105 100

120 47.8 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 16.00 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

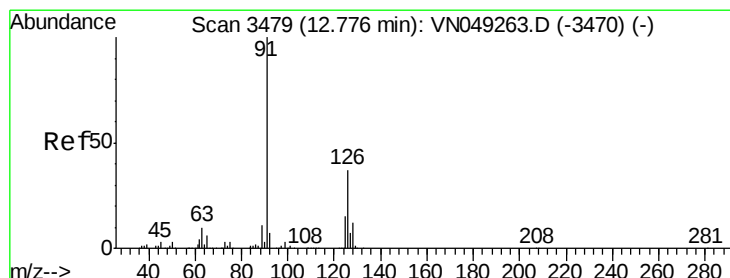
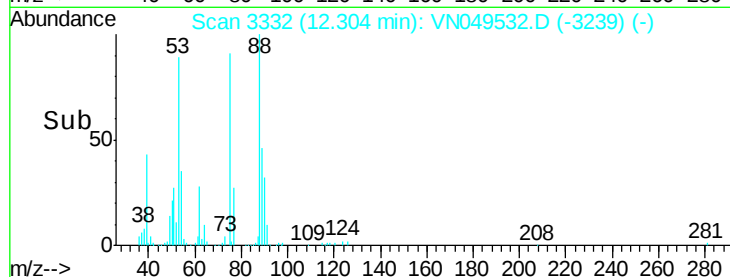
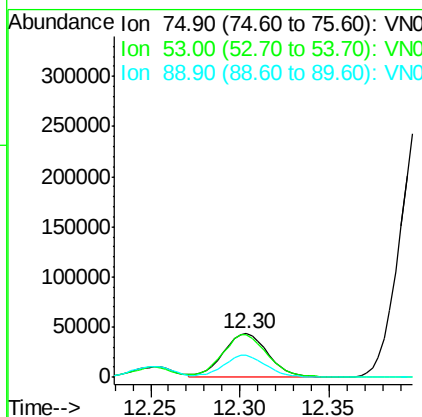
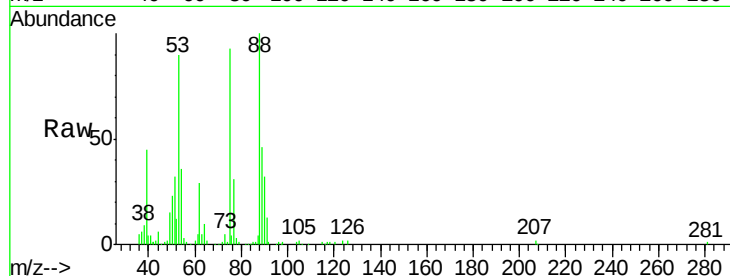
ClientSampleId :

VN0625WBS02

Tot Ion:	75	Resp:	75556
Ion	Ratio	Lower	Upper
75	100		
53	99.7	82.7	124.1
89	49.5	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.34 ug/l

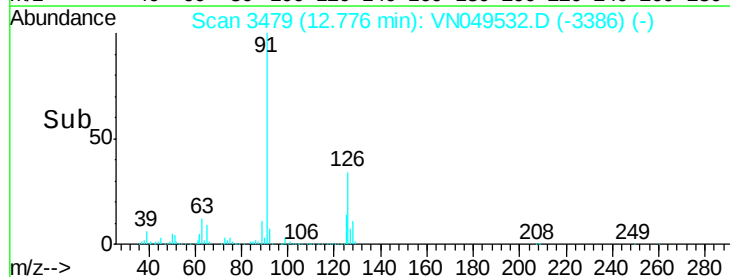
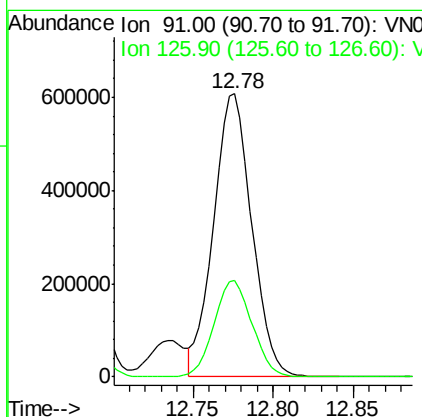
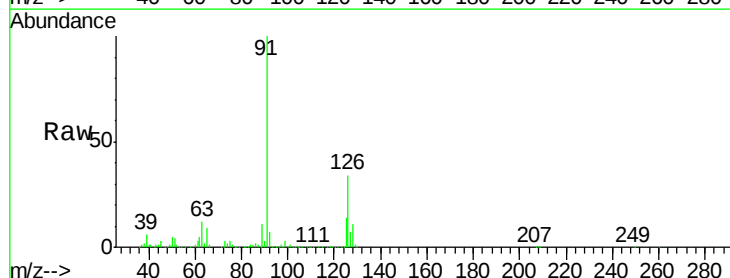
RT: 12.78 min Scan# 3479

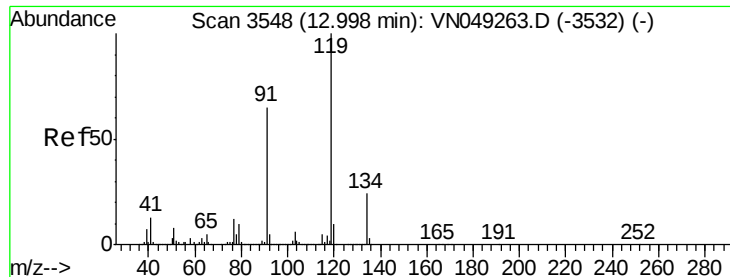
Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion:	91	Resp:	997140
Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.4	49.1





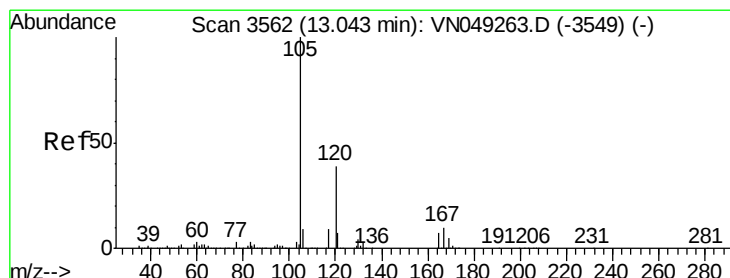
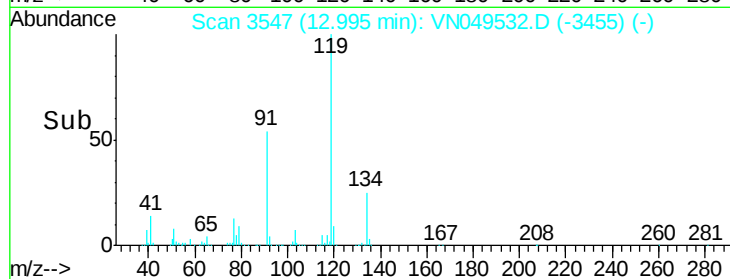
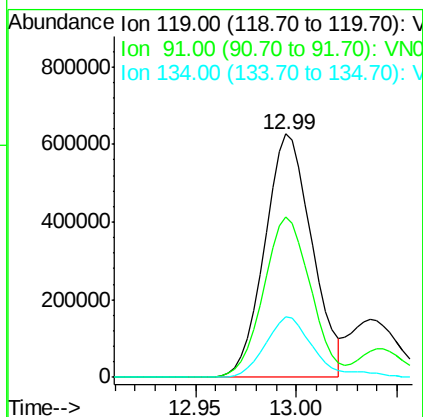
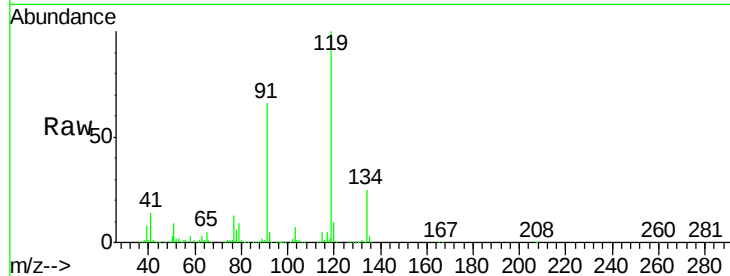
#83
 tert-Butylbenzene
 Concen: 19.05 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

Tot Ion:119 Resp: 1018556
 Ion Ratio Lower Upper
 119 100
 91 65.5 33.7 101.0
 134 25.8 12.9 38.6

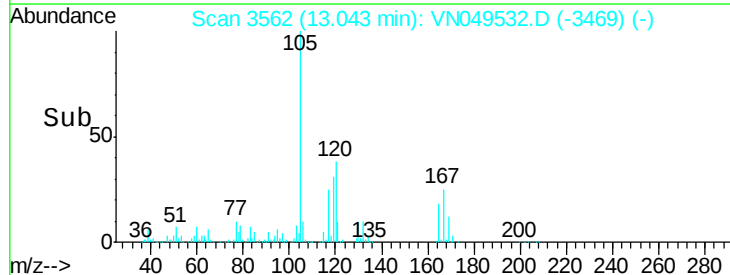
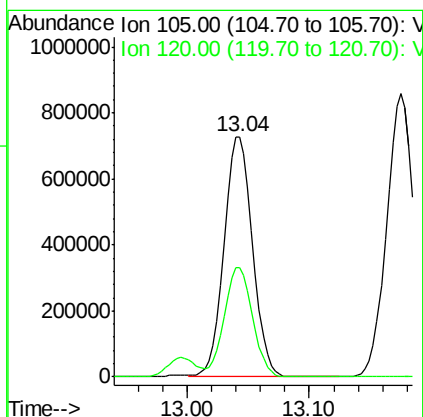
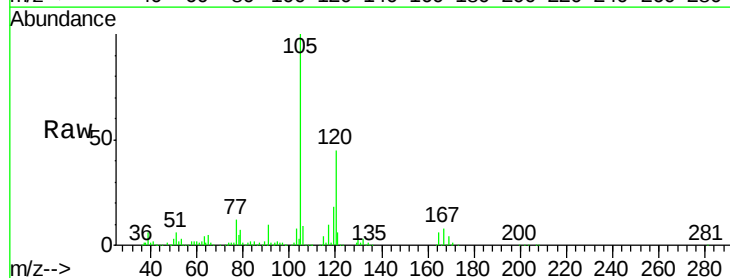
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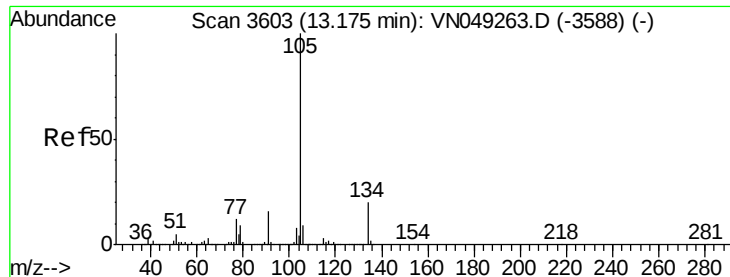
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.83 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion:105 Resp: 1188936
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 18.92 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBS02

Tot Ion:105 Resp: 1346618

Ion Ratio Lower Upper

105 100

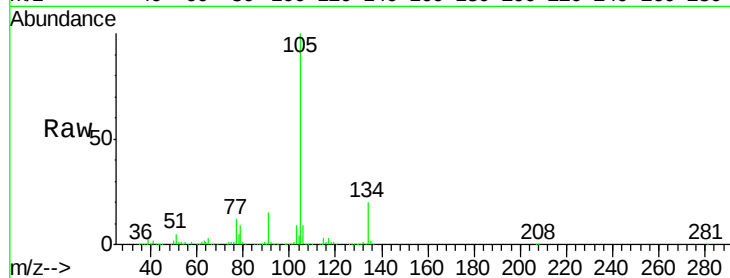
134 20.0 9.8 29.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1000000

800000

600000

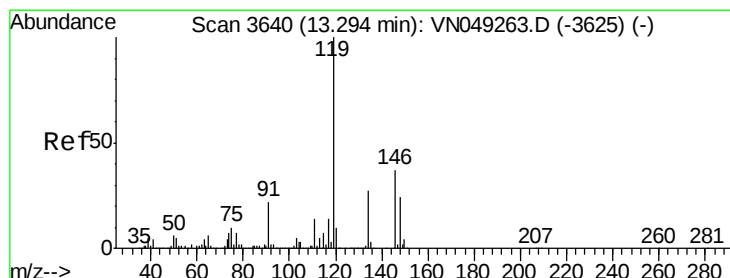
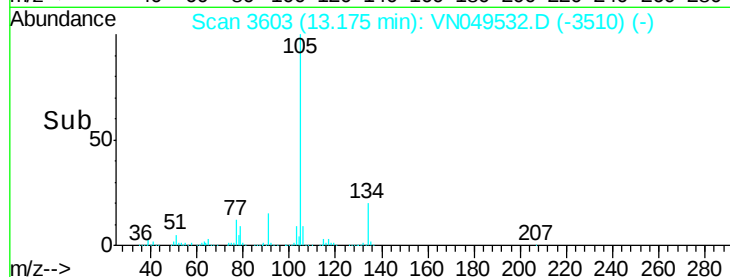
400000

200000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 18.82 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

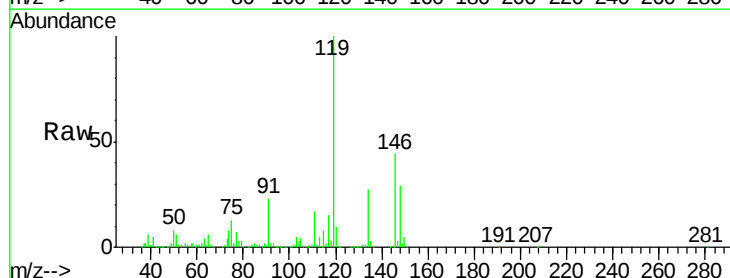
Tgt Ion:119 Resp: 1118978

Ion Ratio Lower Upper

119 100

134 26.9 12.9 38.6

91 22.9 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

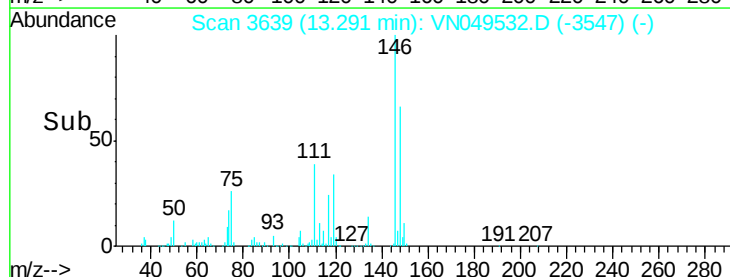
400000

200000

0

13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.34 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

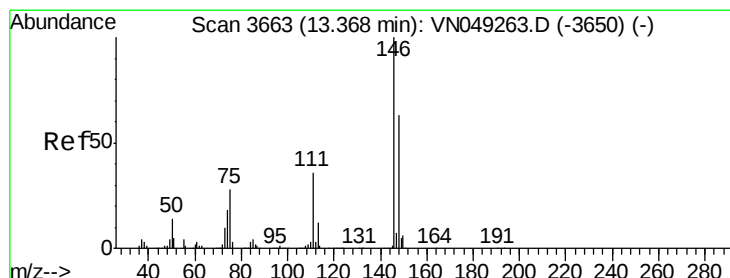
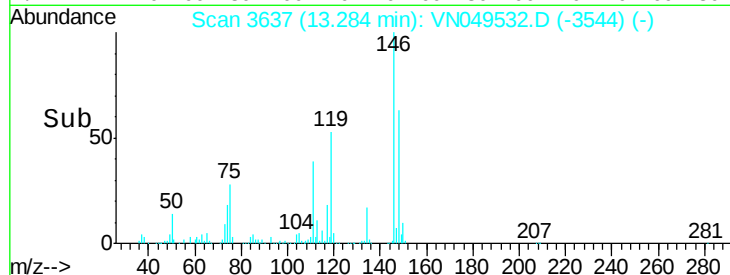
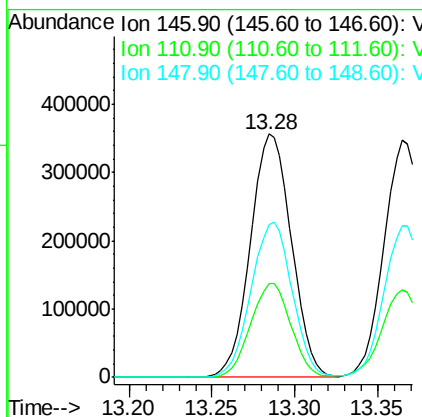
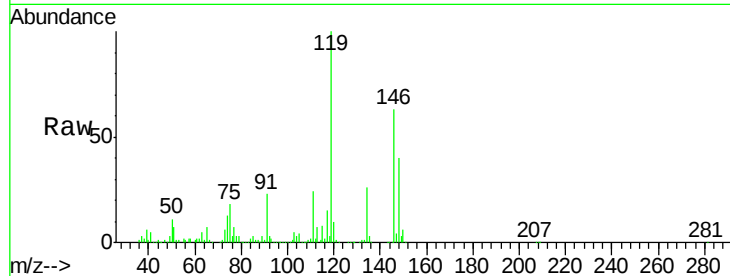
ClientSampleId :

VN0625WBS02

Tot Ion:	146	Resp:	611996
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.9	59.6
148	64.1	32.1	96.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 17.71 ug/l

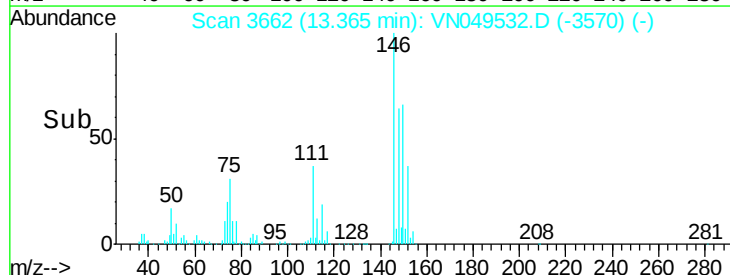
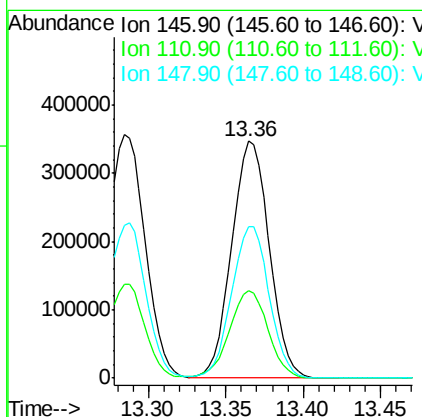
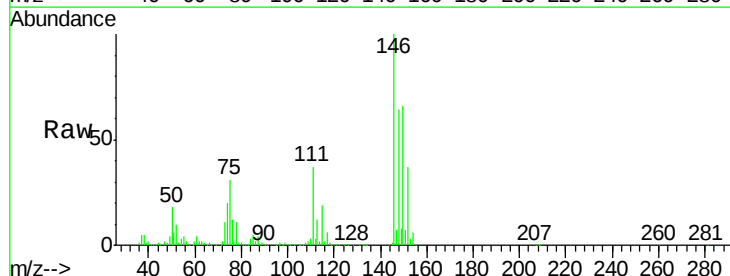
RT: 13.36 min Scan# 3662

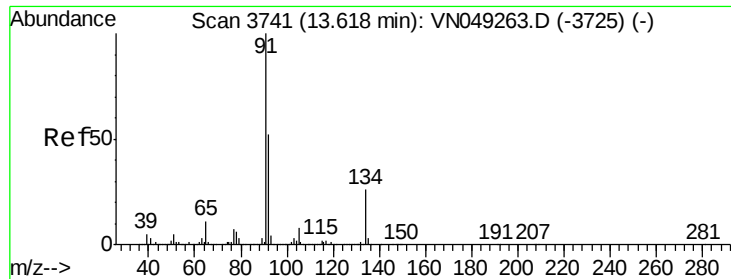
Delta R.T. -0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion:	146	Resp:	585714
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.1	57.1
148	64.1	32.0	96.2





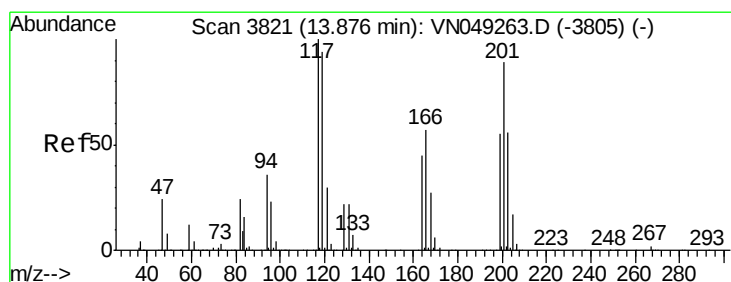
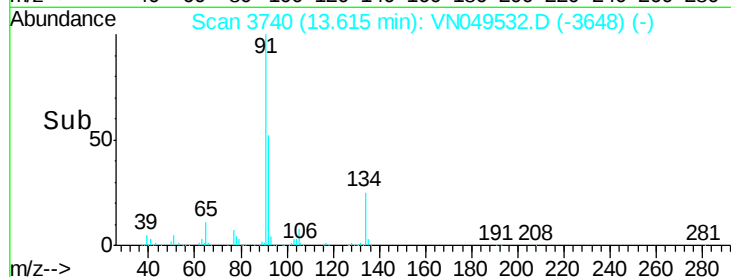
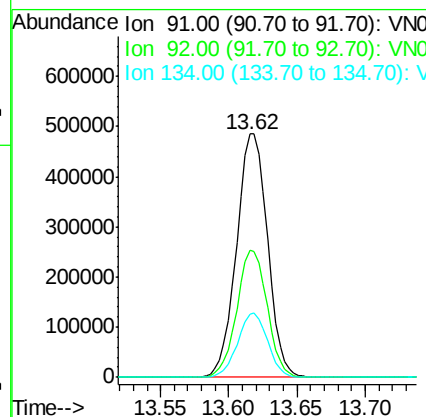
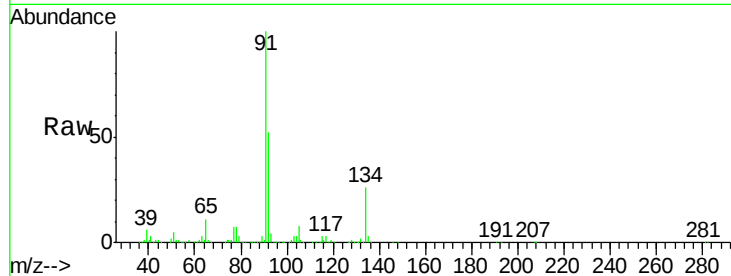
#89
n-Butylbenzene
Concen: 16.45 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.1	75.4
134	25.6	12.0	36.0

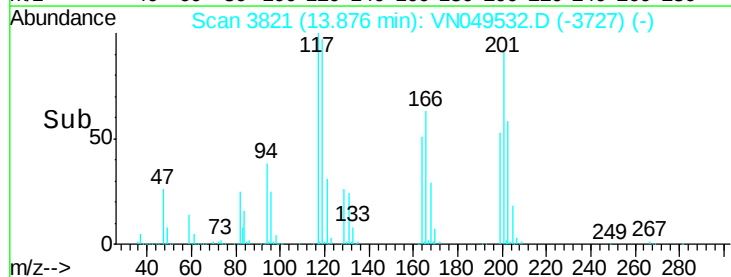
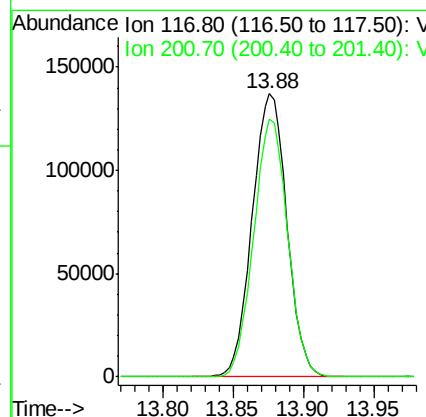
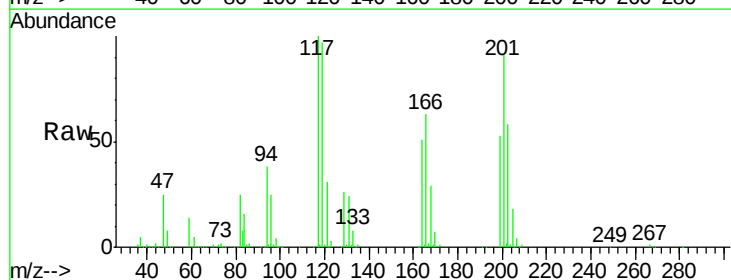
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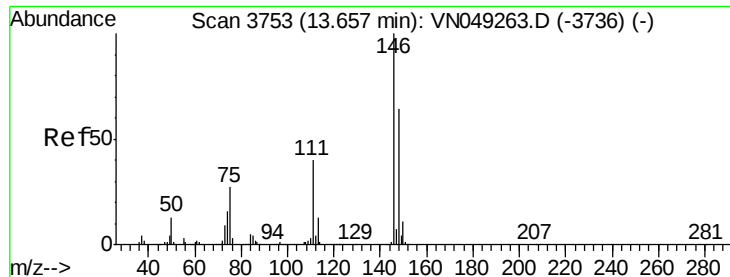
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#90
Hexachloroethane
Concen: 19.95 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049532.D
Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	40.1	120.2





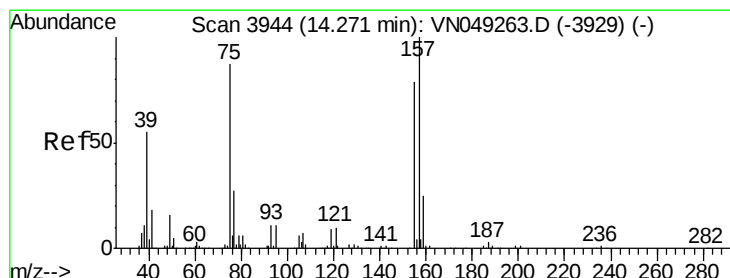
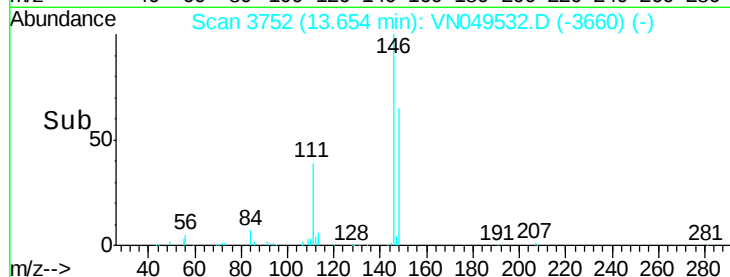
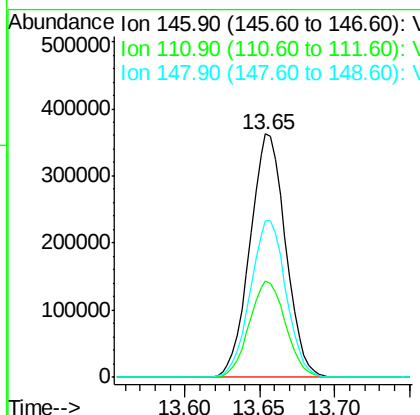
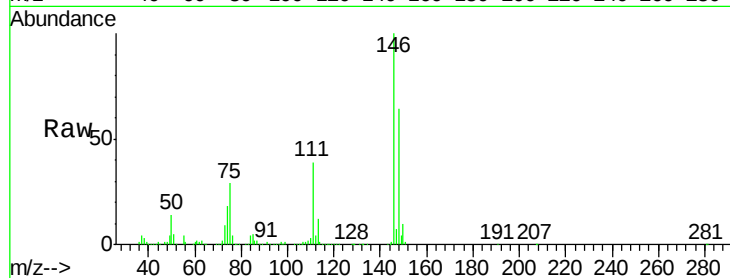
#91
 1,2-Dichlorobenzene
 Concen: 18.31 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.8	62.2
148	64.7	32.0	96.2

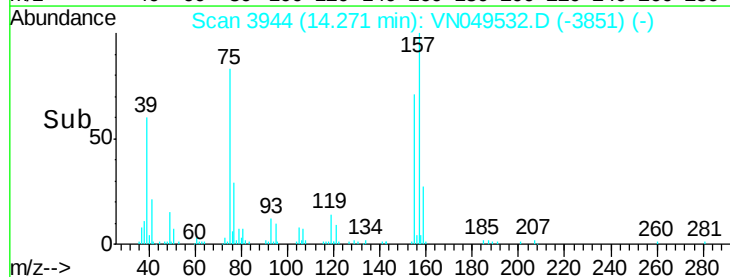
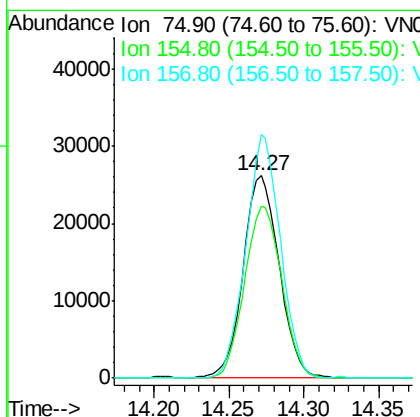
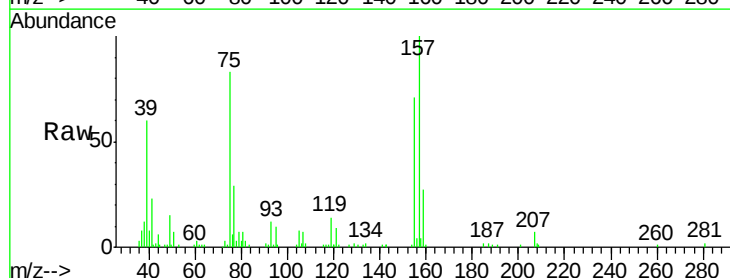
Manual Integrations
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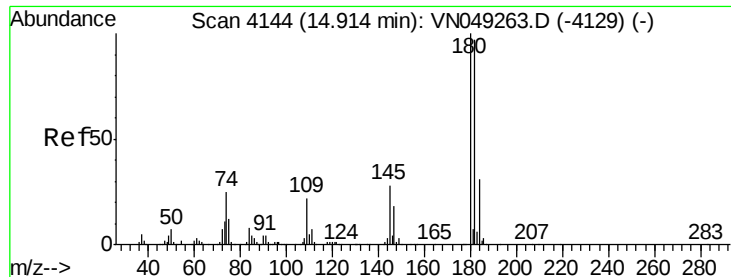
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.50 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	38.8	116.3
157	115.2	51.0	153.1





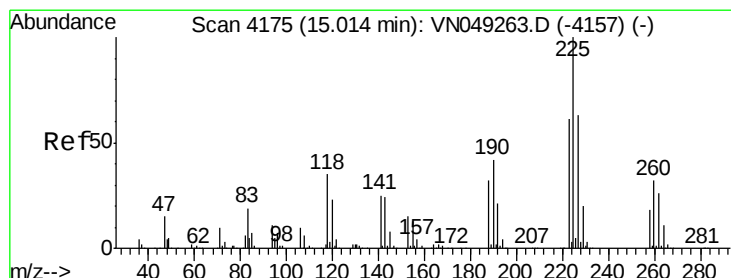
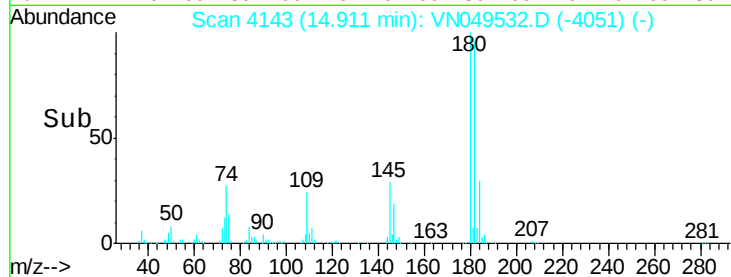
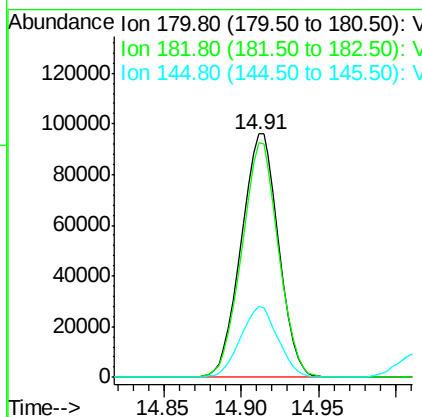
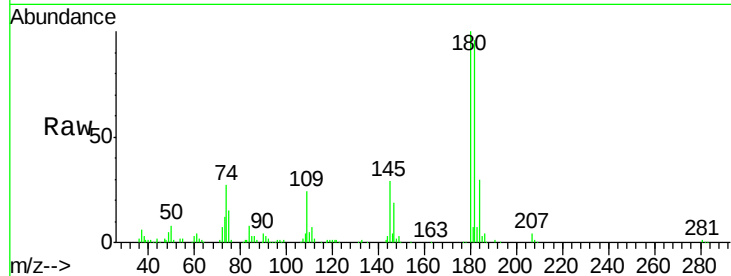
#93
 1,2,4-Trichlorobenzene
 Concen: 14.49 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161466		
182	94.8	46.9	140.8	
145	29.1	14.7	44.1	

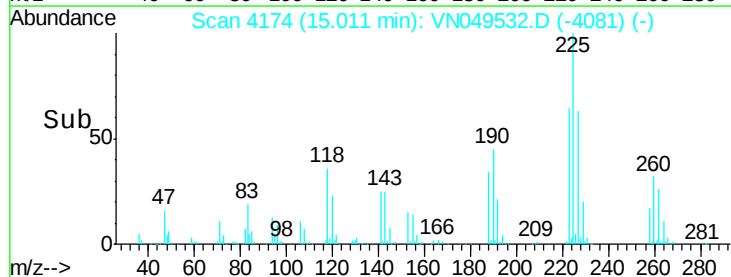
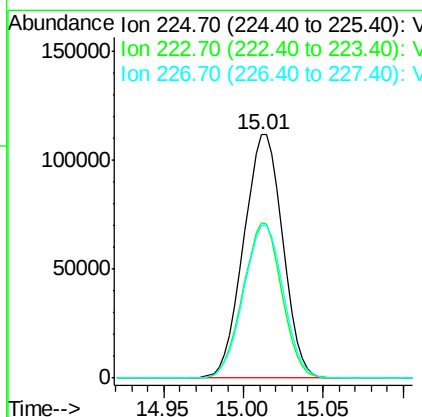
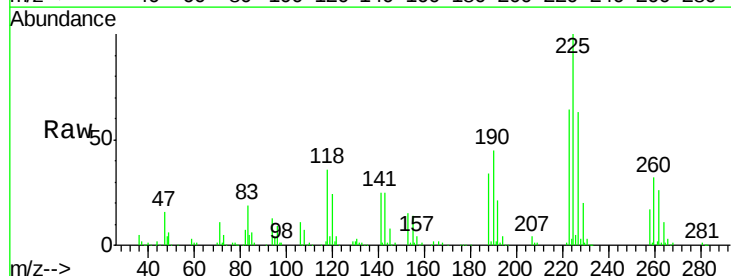
Manual Integrations
 APPROVED

apatel
 6/26/2018 5:15:32 PM



#94
 Hexachlorobutadiene
 Concen: 17.81 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049532.D
 Acq: 26 Jun 2018 1:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	187238		
223	62.9	32.1	96.3	
227	63.8	31.8	95.3	





#95

Naphthalene

Concen: 14.87 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Instrument :

MSVOA_N

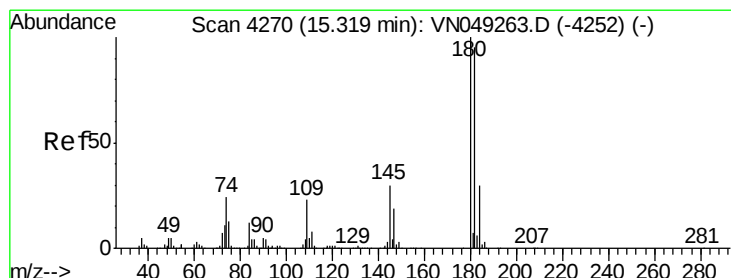
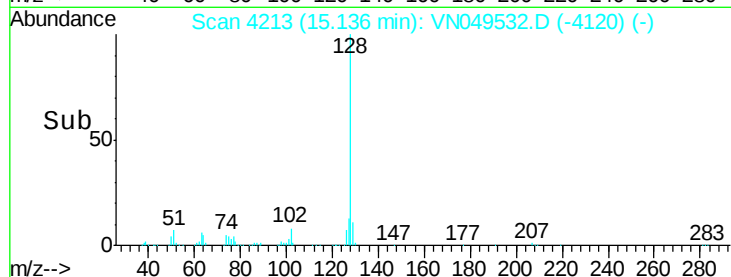
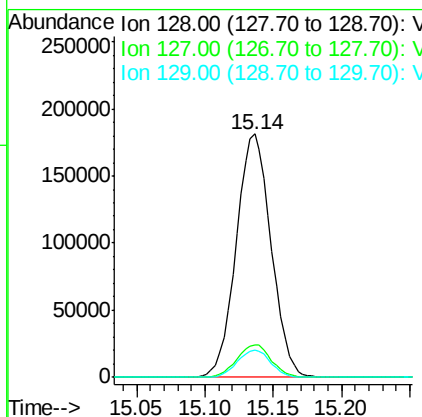
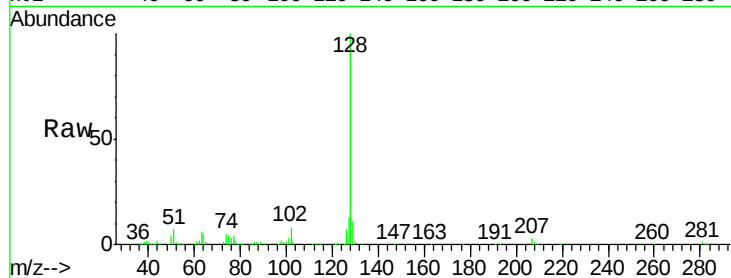
ClientSampleId :

VN0625WBS02

Tot Ion:	128	Resp:	321645
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	16.0
129	10.8	8.5	12.7

Manual Integrations
APPROVED

apatel
6/26/2018 5:15:32 PM



#96

1,2,3-Trichlorobenzene

Concen: 15.33 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049532.D

Acq: 26 Jun 2018 1:20

Tgt Ion:	180	Resp:	187075
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.3	141.8
145	30.4	15.6	46.7

