

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121619\
 Data File : VN059600.D
 Acq On : 16 Dec 2019 14:10
 Operator : JC/SP
 Sample : VN1216WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Manual Integrations
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 12/17/2019 12:51:16 PM

Quant Time: Dec 17 05:38:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	251236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	398527	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	362738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	170382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	165334	45.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.44%	
35) Dibromofluoromethane	7.56	113	116175	46.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.18%	
50) Toluene-d8	10.08	98	459818	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
62) 4-Bromofluorobenzene	12.40	95	163356	45.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	92330	28.440	ug/l	99
3) Chloromethane	2.04	50	145231	28.190	ug/l	100
4) Vinyl Chloride	2.17	62	133056	27.235	ug/l	98
5) Bromomethane	2.55	94	82332	28.989	ug/l	97
6) Chloroethane	2.69	64	78780	28.691	ug/l	98
7) Trichlorofluoromethane	3.00	101	154411	28.806	ug/l	99
8) Diethyl Ether	3.38	74	52629	31.423	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.73	101	79283	29.350	ug/l	99
10) Methyl Iodide	3.92	142	103872	29.046	ug/l	99
11) Tert butyl alcohol	4.74	59	74387	110.986	ug/l #	86
12) 1,1-Dichloroethene	3.71	96	74572	28.299	ug/l	97
13) Acrolein	3.58	56	71345	149.435	ug/l	97
14) Allyl chloride	4.29	41	146909	27.157	ug/l	98
15) Acrylonitrile	4.94	53	225031	138.804	ug/l	99
16) Acetone	3.78	43	261474	120.466	ug/l	98
17) Carbon Disulfide	4.02	76	234304	26.017	ug/l	100
18) Methyl Acetate	4.29	43	119717	26.322	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	270189	29.040	ug/l	99
20) Methylene Chloride	4.52	84	90097	28.741	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	83027	28.263	ug/l	99
22) Diisopropyl ether	5.92	45	295589	29.639	ug/l	98
23) Vinyl Acetate	5.86	43	1223845	156.372	ug/l	100
24) 1,1-Dichloroethane	5.82	63	166585	29.488	ug/l	99
25) 2-Butanone	6.80	43	338408	130.382	ug/l	100
26) 2,2-Dichloropropane	6.80	77	153338	29.865	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	94161	28.927	ug/l	97
28) Bromochloromethane	7.17	49	45437	19.430	ug/l	99
29) Tetrahydrofuran	7.18	42	215162	136.057	ug/l	99
30) Chloroform	7.35	83	163680	29.435	ug/l	97
31) Cyclohexane	7.63	56	151836	28.445	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	144283	28.780	ug/l	100
36) 1,1-Dichloropropene	7.77	75	126135	30.350	ug/l	99
37) Ethyl Acetate	6.90	43	134246	27.792	ug/l	99
38) Carbon Tetrachloride	7.75	117	127965	29.672	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	144061	30.559	ug/l	100
40) Benzene	8.02	78	361655	29.777	ug/l	100
41) Methacrylonitrile	7.14	41	53780m	26.977	ug/l	
42) 1,2-Dichloroethane	8.10	62	138134	29.698	ug/l	100
43) Isopropyl Acetate	8.14	43	215705	28.722	ug/l	99
44) Trichloroethene	8.82	130	94838	29.811	ug/l	98
45) 1,2-Dichloropropane	9.10	63	98129	29.919	ug/l	97
46) Dibromomethane	9.19	93	61609	28.672	ug/l	98
47) Bromodichloromethane	9.39	83	127640	29.794	ug/l	99
48) Methyl methacrylate	9.18	41	95546	28.042	ug/l	99
49) 1,4-Dioxane	9.18	88	21638	443.142	ug/l	93
51) 4-Methyl-2-Pentanone	9.97	43	657306	146.797	ug/l	100
52) Toluene	10.14	92	220480	29.544	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	147337	29.737	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	154081	29.585	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	87463	29.867	ug/l	98
56) Ethyl methacrylate	10.42	69	127986	29.440	ug/l	99
57) 1,3-Dichloropropane	10.70	76	152179	29.846	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	135270	97.836	ug/l	98
59) 2-Hexanone	10.74	43	502399	142.363	ug/l	100
60) Dibromochloromethane	10.90	129	94215	29.478	ug/l	98
61) 1,2-Dibromoethane	11.00	107	90066	29.000	ug/l	98
64) Tetrachloroethene	10.62	164	91145	26.954	ug/l	98
65) Chlorobenzene	11.43	112	232396	29.609	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	87175	29.241	ug/l	98
67) Ethyl Benzene	11.51	91	423907	29.921	ug/l	99
68) m/p-Xylenes	11.62	106	316150	60.431	ug/l	98
69) o-Xylene	11.94	106	146435	29.417	ug/l	97
70) Styrene	11.96	104	236545	29.576	ug/l	99
71) Bromoform	12.12	173	65866	29.392	ug/l #	98
73) Isopropylbenzene	12.25	105	408108	30.513	ug/l	99
74) N-amyl acetate	12.07	43	176933	28.839	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	121772	28.701	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	128243m	30.404	ug/l	
77) Bromobenzene	12.52	156	95438	29.015	ug/l	100
78) n-propylbenzene	12.59	91	476471	30.136	ug/l	100
79) 2-Chlorotoluene	12.67	91	279304	29.215	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	344009	30.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	48228	28.241	ug/l	99
82) 4-Chlorotoluene	12.77	91	289853	29.611	ug/l	99
83) tert-Butylbenzene	12.99	119	285674	29.803	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	341601	30.352	ug/l	99
85) sec-Butylbenzene	13.17	105	391865	30.733	ug/l	99
86) p-Isopropyltoluene	13.29	119	353934	30.649	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	173070	28.614	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	169779	27.841	ug/l	99
89) n-Butylbenzene	13.61	91	319863	29.544	ug/l	99
90) Hexachloroethane	13.87	117	64838	29.703	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	167267	28.042	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28274	24.840	ug/l	96

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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	100897	26.195	ug/l	100
94) Hexachlorobutadiene	15.01	225	56032	27.846	ug/l	99
95) Naphthalene	15.12	128	286398	24.907	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	99294	25.488	ug/l	99

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

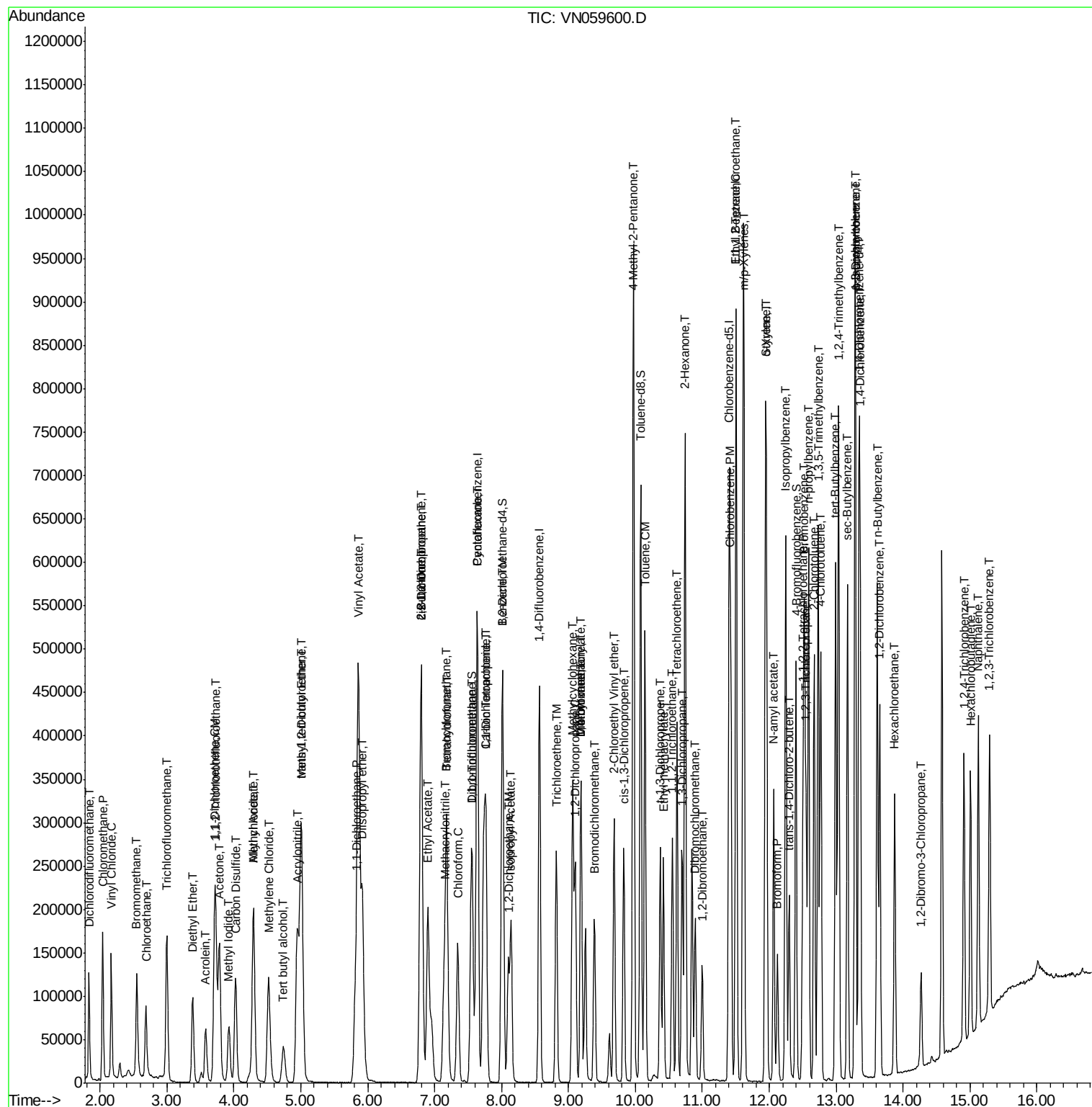
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 Data File : VN059600.D
 Acq On : 16 Dec 2019 14:10
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 Sample : VN1216WBS02
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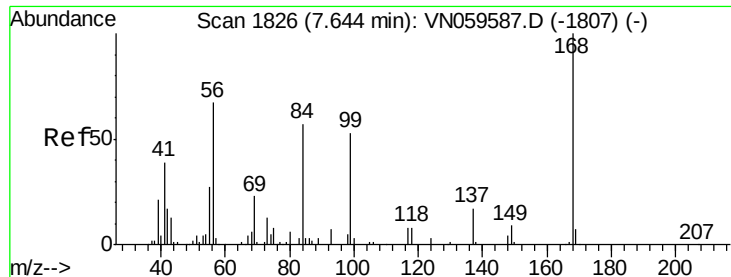
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion:168 Resp: 251236

Ion Ratio Lower Upper

168 100

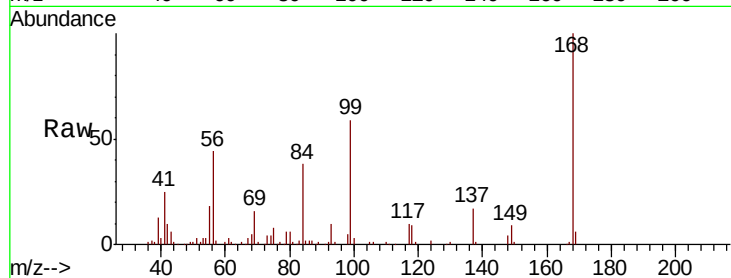
99 58.8 48.2 72.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

120000

100000

80000

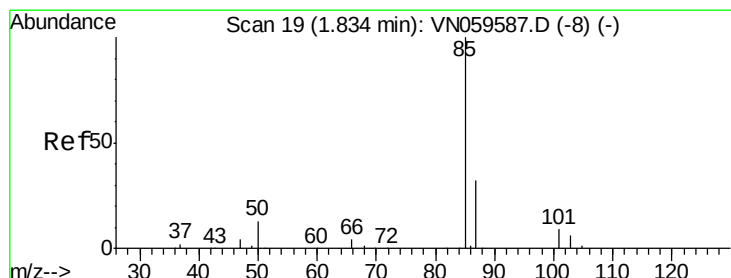
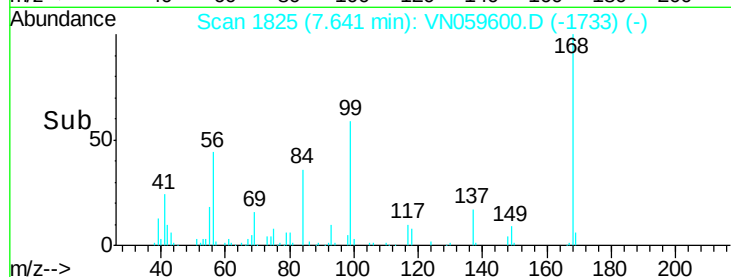
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 28.440 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059600.D

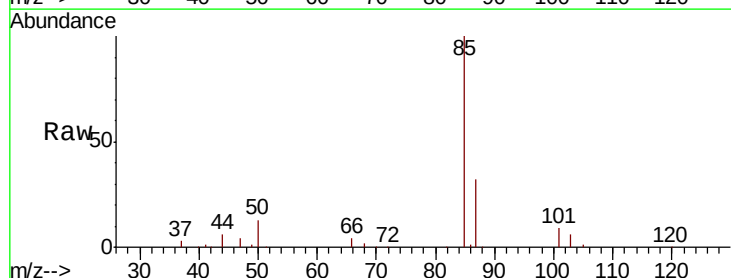
Acq: 16 Dec 2019 14:10

Tgt Ion: 85 Resp: 92330

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059587.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059587.D (-8) (-)

1.83

80000

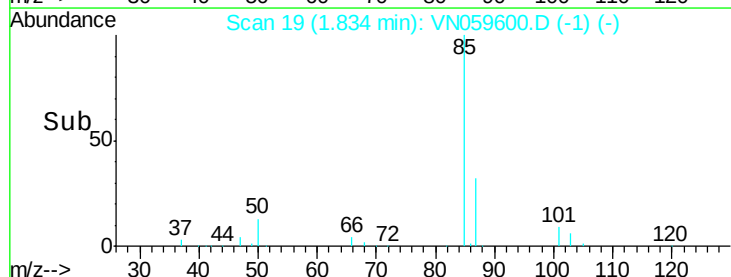
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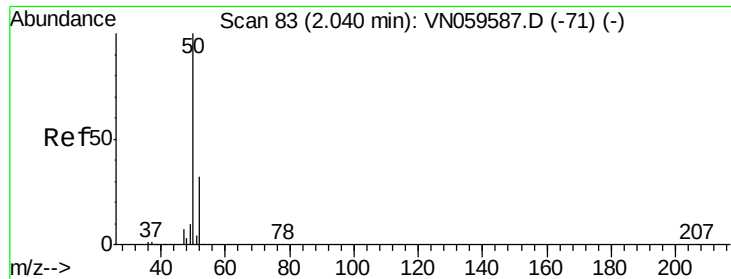
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20000

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Time-->





#3

Chloromethane

Concen: 28.190 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion: 50 Resp: 145231

Ion Ratio Lower Upper

50 100

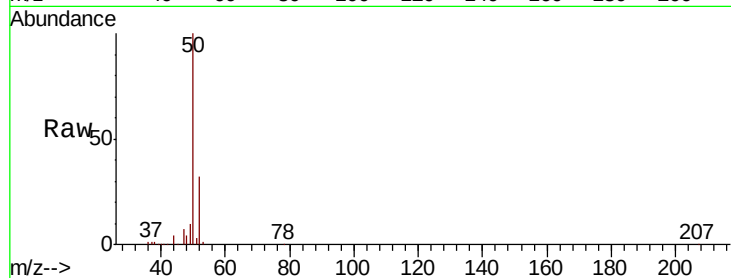
52 32.4 25.9 38.9

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

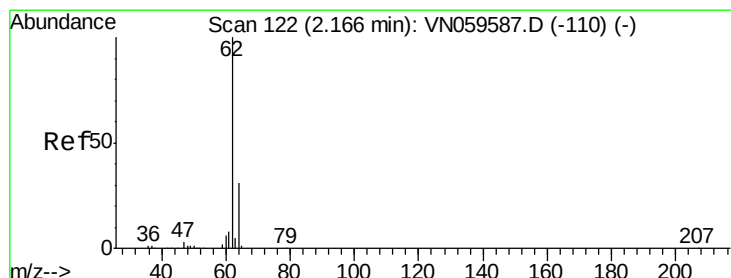
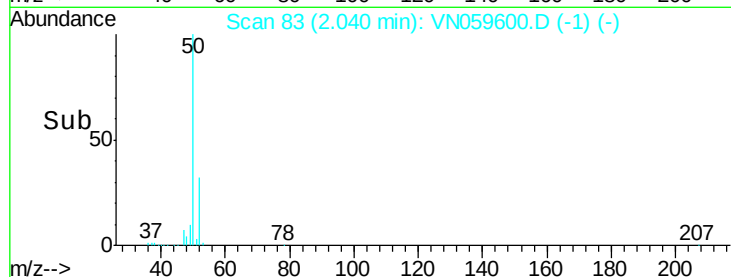
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 27.235 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059600.D

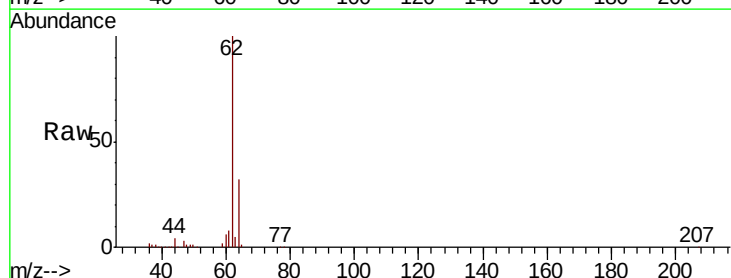
Acq: 16 Dec 2019 14:10

Tgt Ion: 62 Resp: 133056

Ion Ratio Lower Upper

62 100

64 31.9 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

100000

80000

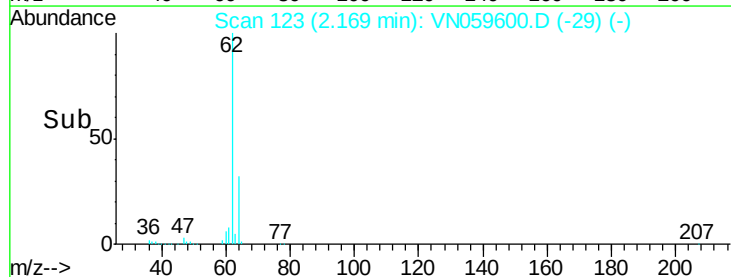
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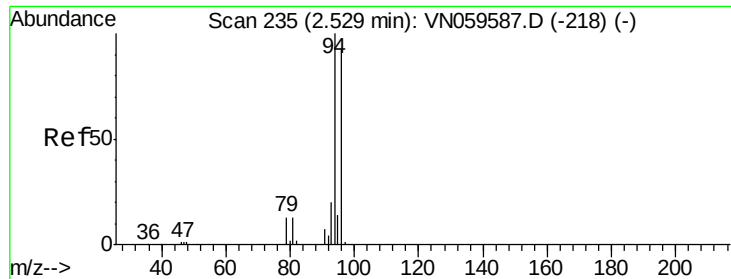
40000

20000

0

Time-->





#5

Bromomethane

Concen: 28.989 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion: 94 Resp: 82332

Ion Ratio Lower Upper

94 100

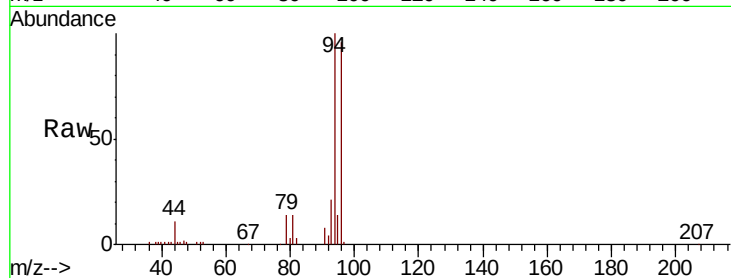
96 96.3 74.7 112.1

Manual Integrations

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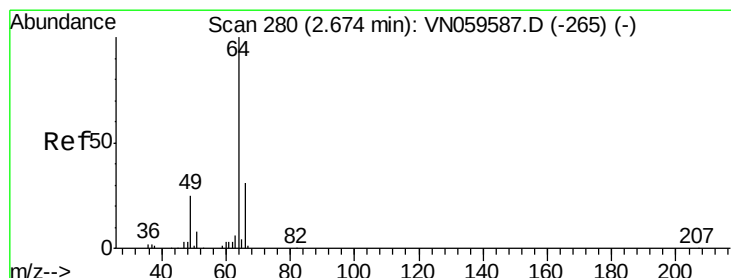
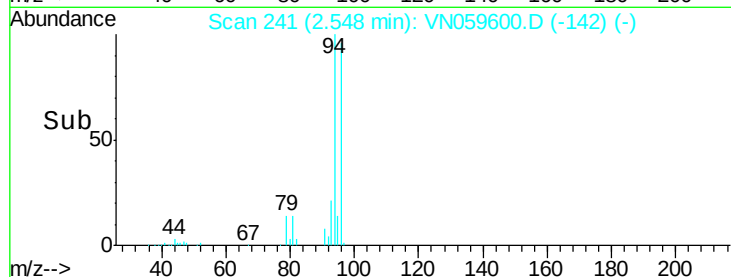
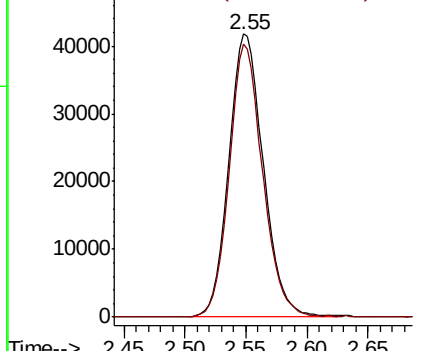
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 28.691 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059600.D

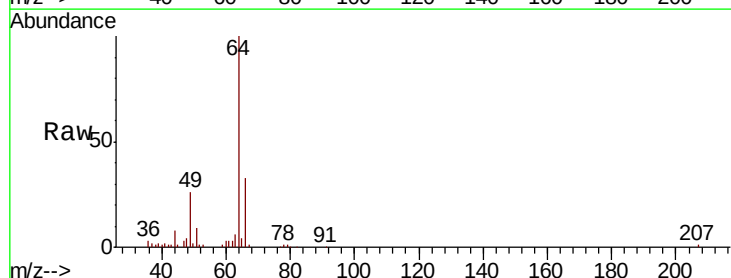
Acq: 16 Dec 2019 14:10

Tgt Ion: 64 Resp: 78780

Ion Ratio Lower Upper

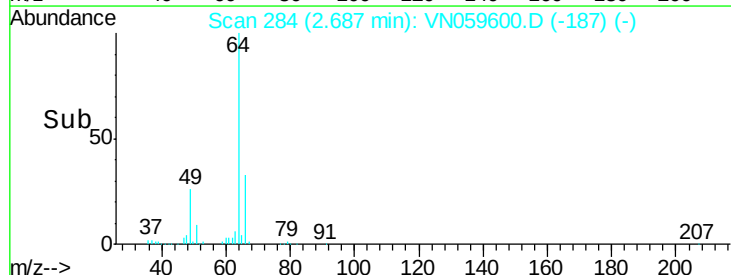
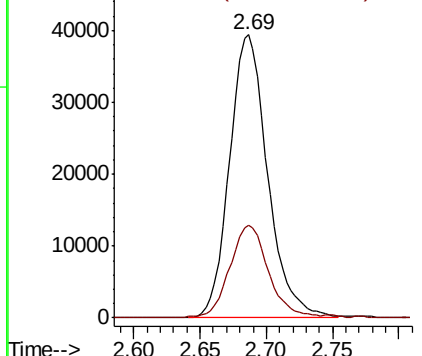
64 100

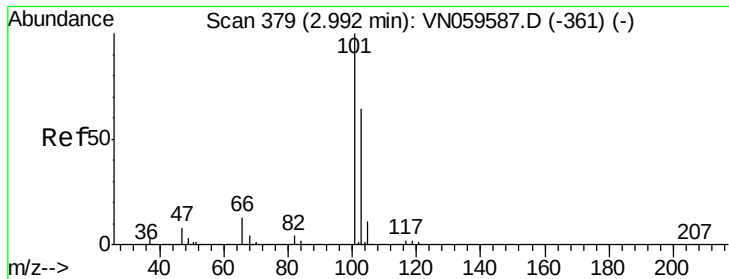
66 32.3 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

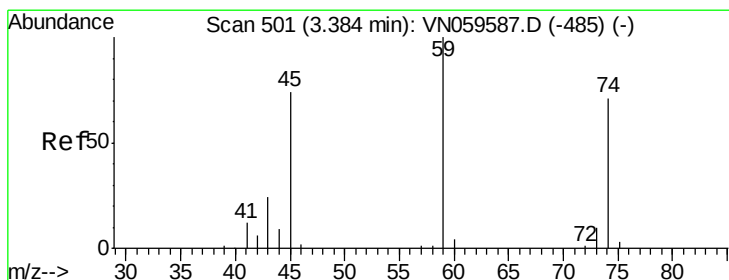
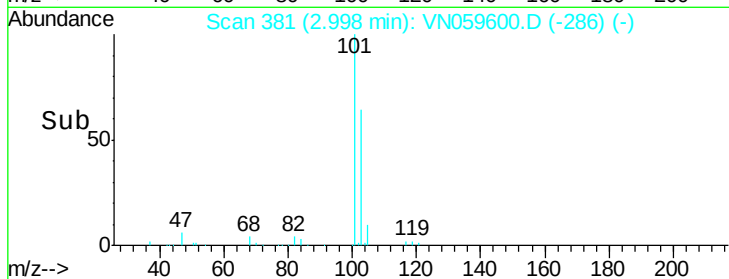
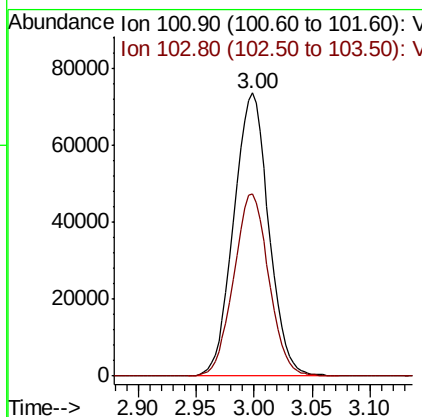
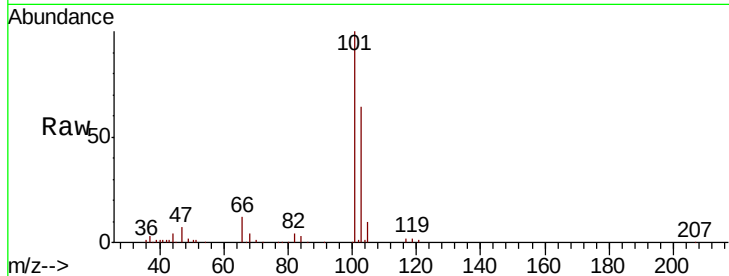
Trichlorofluoromethane
Concen: 28.806 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.01 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.0	76.6

Manual Integrations
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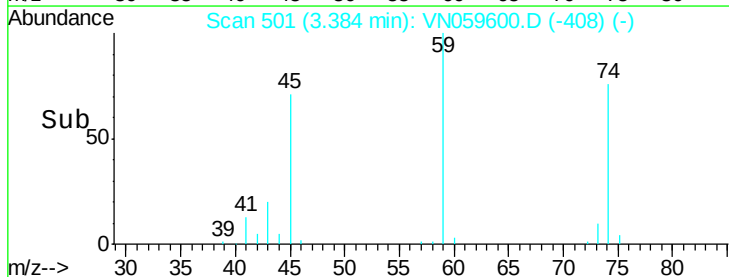
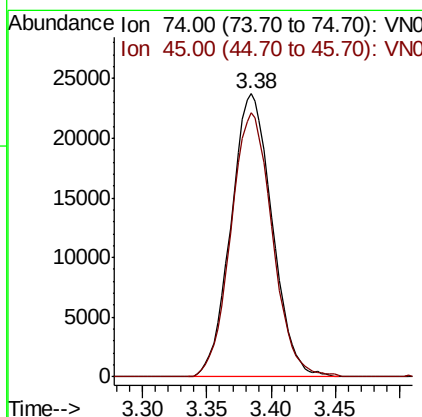
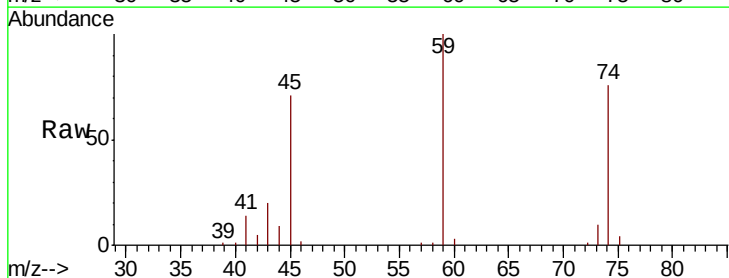
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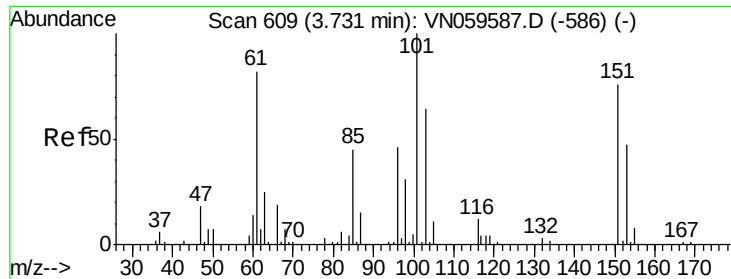


#8

Diethyl Ether
Concen: 31.423 ug/l
RT: 3.38 min Scan# 501
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.0	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 29.350 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

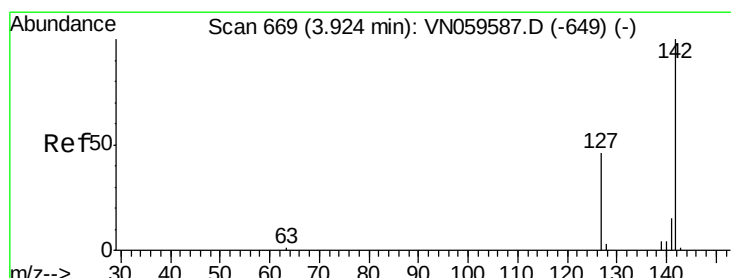
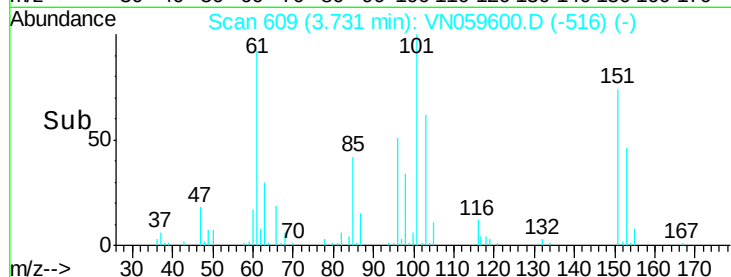
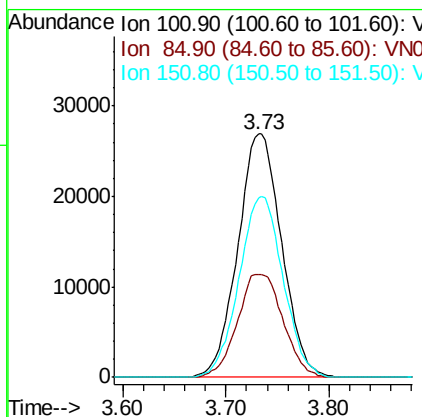
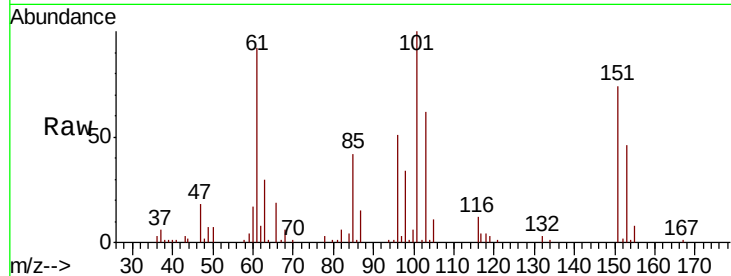
ClientSampleId :

VN1216WBS02

Tot Ion:	101	Resp:	79283
Ion Ratio	Lower	Upper	
101	100		
85	44.0	36.6	54.8
151	74.7	59.7	89.5

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#10

Methyl Iodide

Concen: 29.046 ug/l

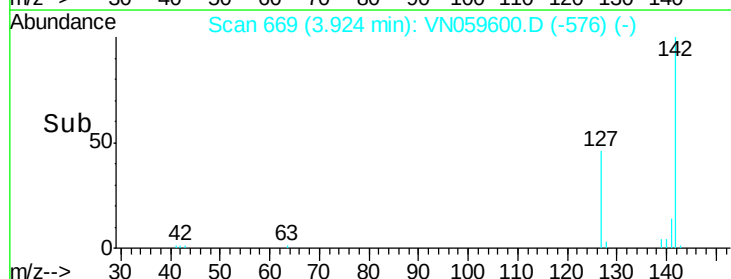
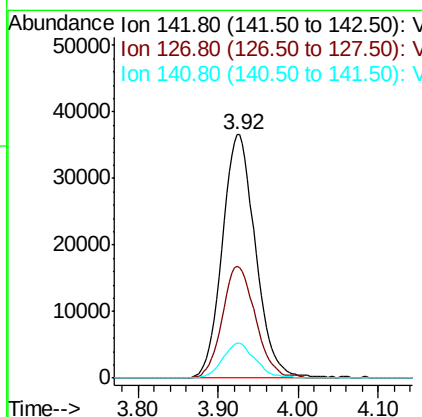
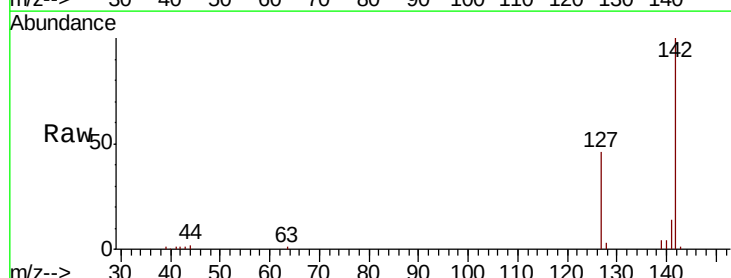
RT: 3.92 min Scan# 669

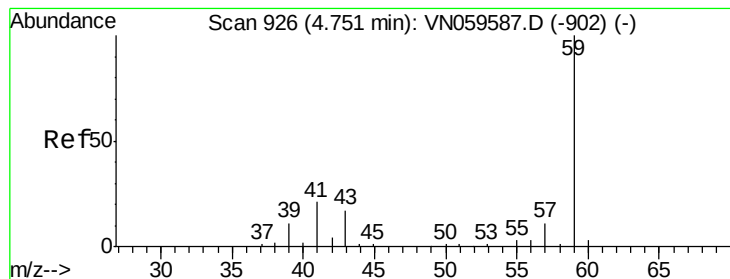
Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion:	142	Resp:	103872
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.7	55.1
141	14.0	11.7	17.5





#11

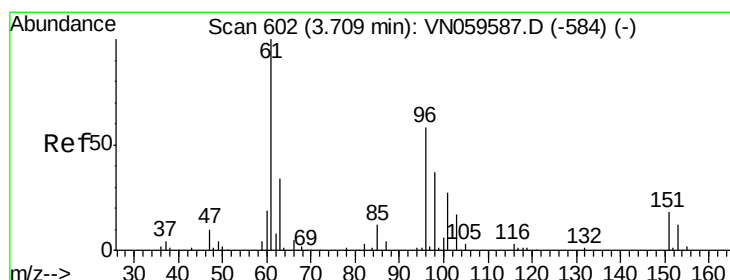
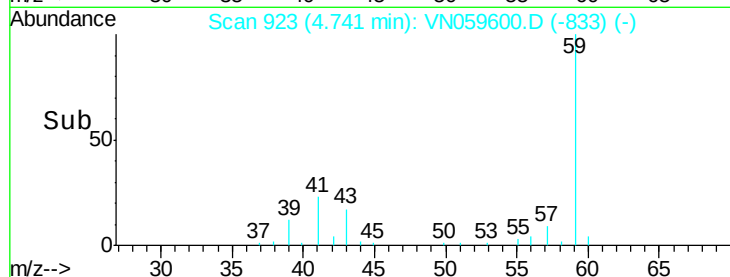
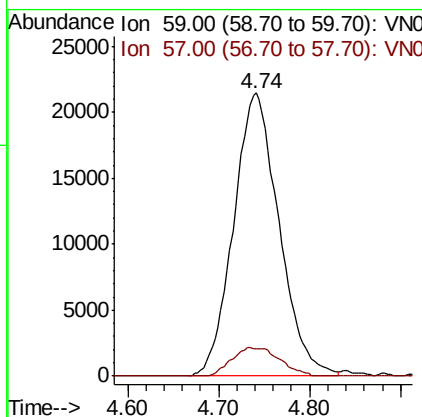
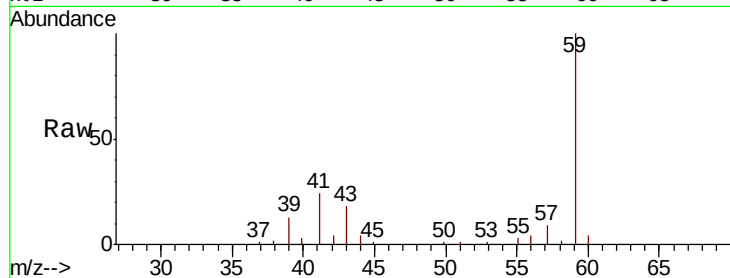
Tert butyl alcohol
Concen: 110.986 ug/l
RT: 4.74 min Scan# 923
Delta R.T. -0.01 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.5	8.6	12.8#

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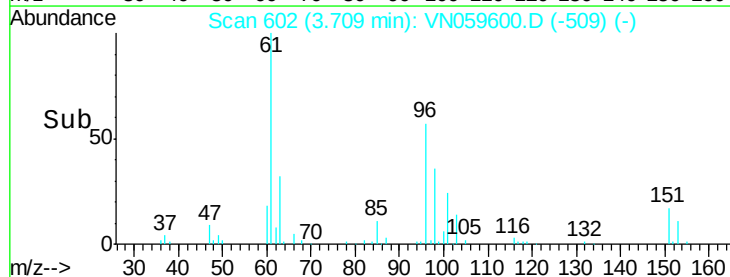
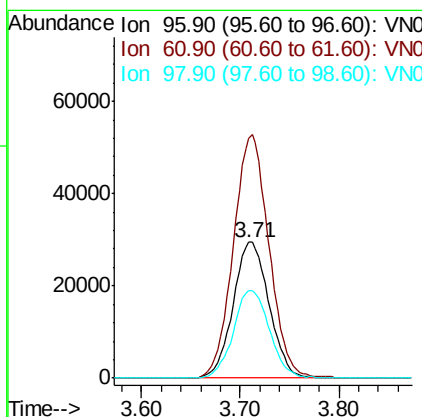
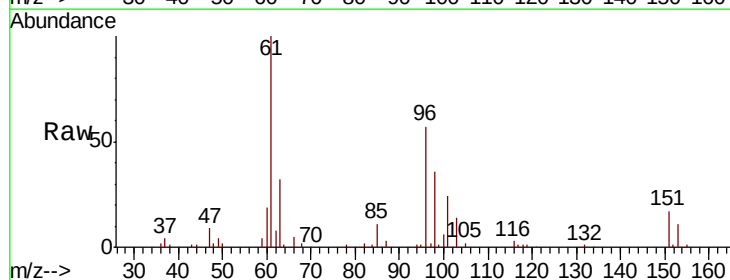
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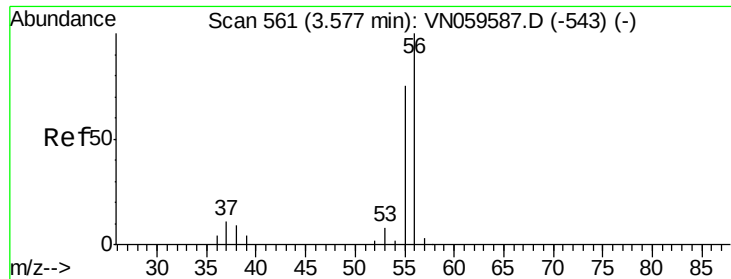


#12

1,1-Dichloroethene
Concen: 28.299 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.9	137.5	206.3
98	64.5	50.2	75.4





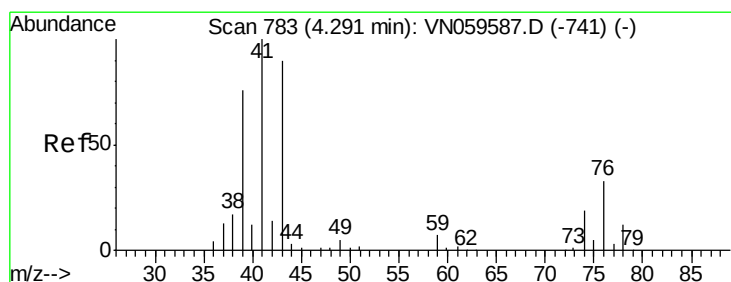
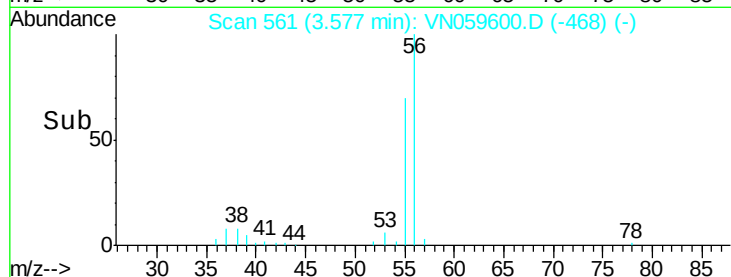
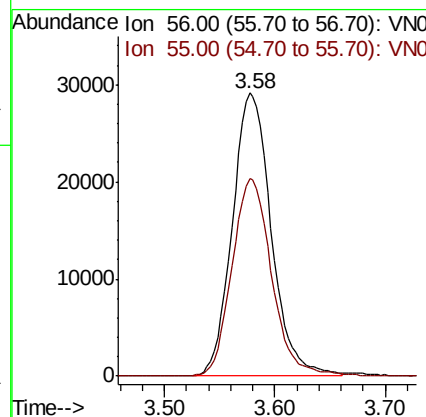
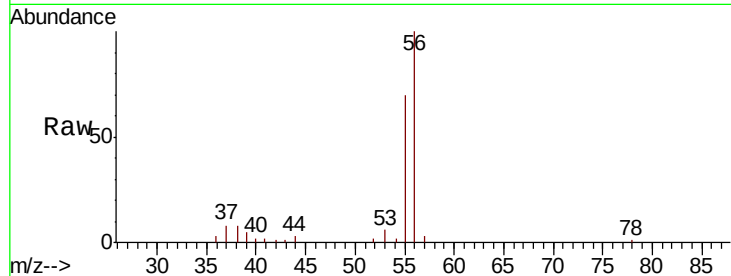
#13
Acrolein
Concen: 149.435 ug/l
RT: 3.58 min Scan# 561
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion: 56 Resp: 71345
Ion Ratio Lower Upper
56 100
55 71.1 58.6 88.0

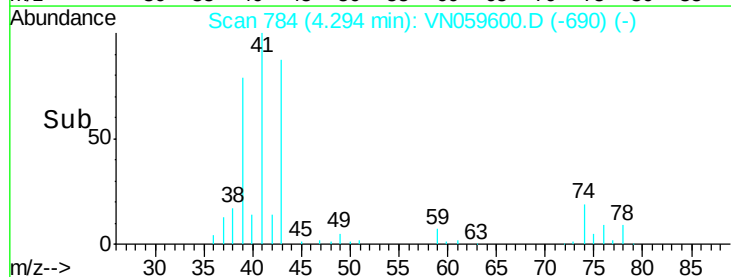
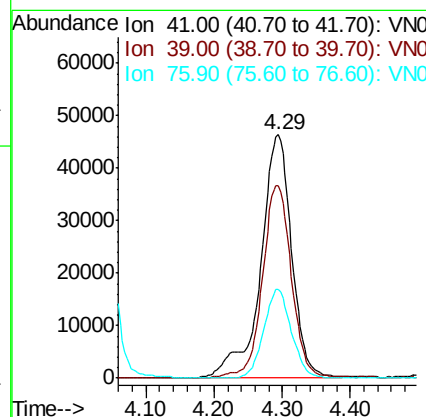
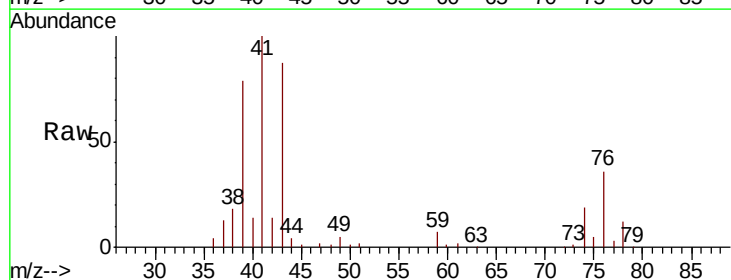
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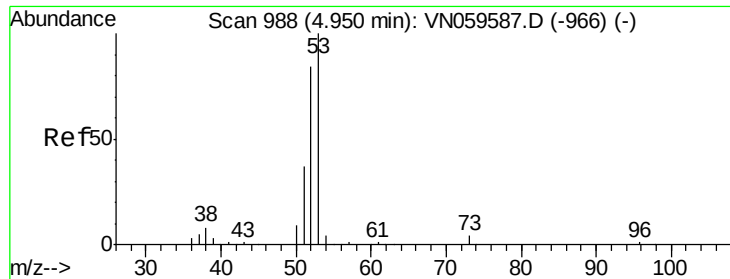
apatel
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#14
Allyl chloride
Concen: 27.157 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion: 41 Resp: 146909
Ion Ratio Lower Upper
41 100
39 74.1 57.8 86.8
76 32.1 25.4 38.0





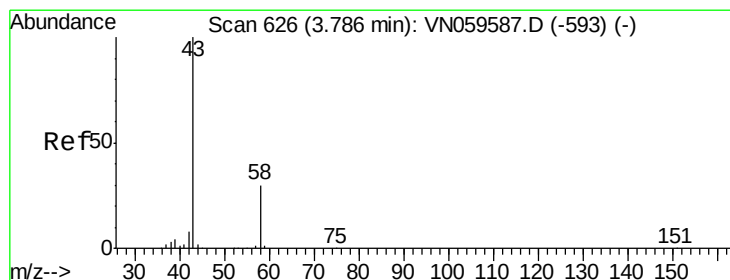
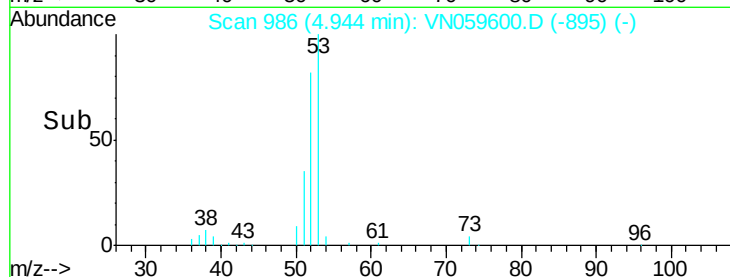
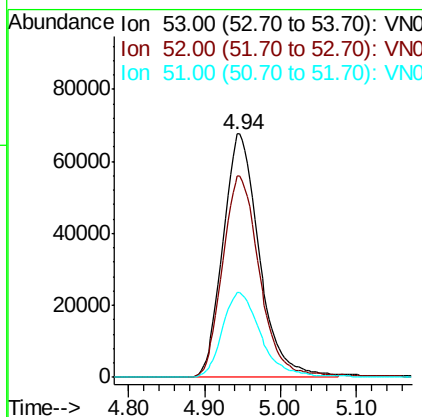
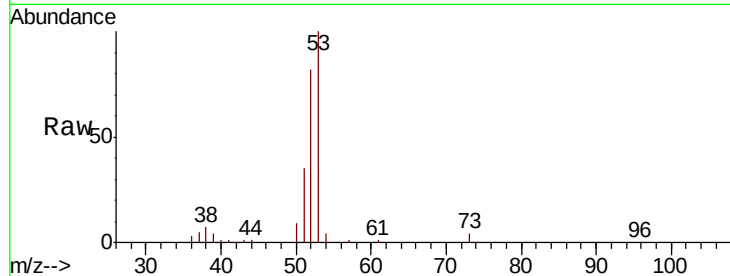
#15
 Acrylonitrile
 Concen: 138.804 ug/l
 RT: 4.94 min Scan# 986
 Delta R.T. -0.01 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Tot Ion:	53	Resp:	225031
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.3	99.5
51	36.6	29.7	44.5

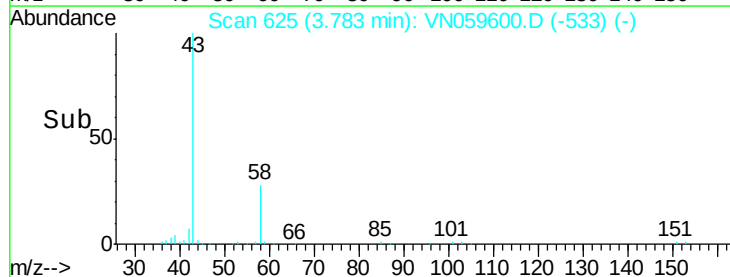
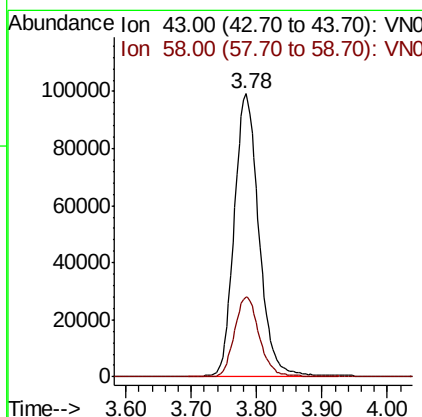
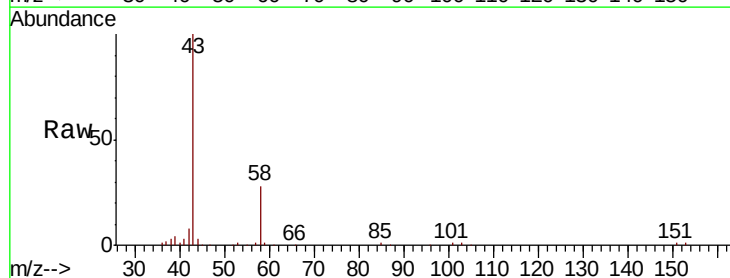
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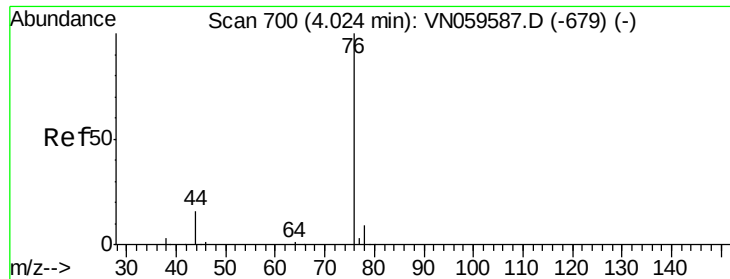
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#16
 Acetone
 Concen: 120.466 ug/l
 RT: 3.78 min Scan# 625
 Delta R.T. -0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion:	43	Resp:	261474
Ion Ratio	Lower	Upper	
43	100		
58	28.2	23.6	35.4





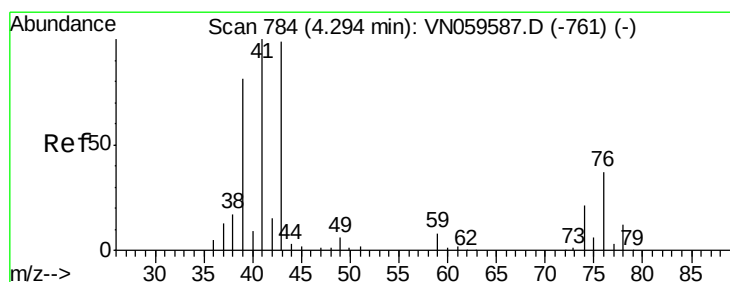
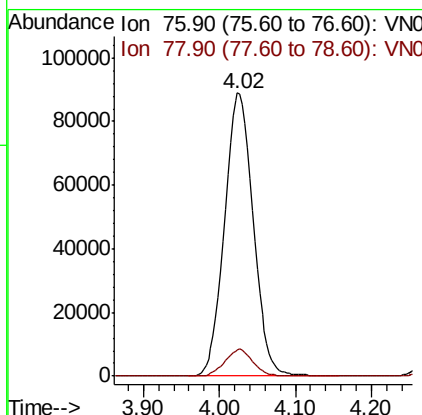
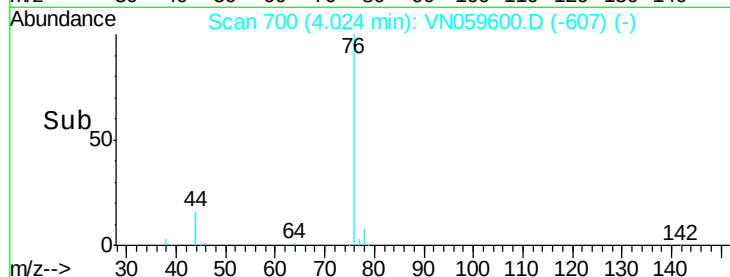
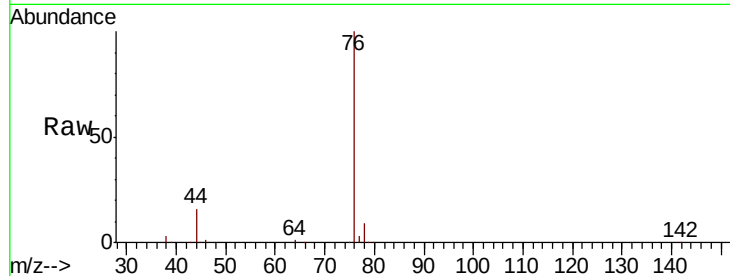
#17
Carbon Disulfide
Concen: 26.017 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion: 76 Resp: 234304
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0

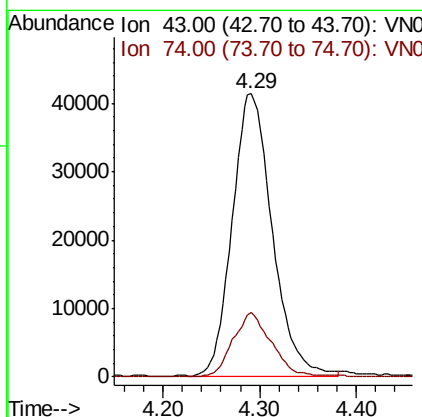
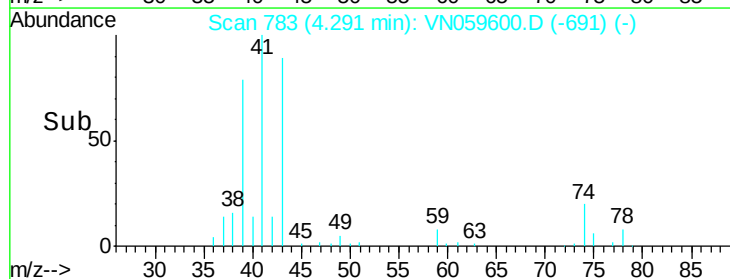
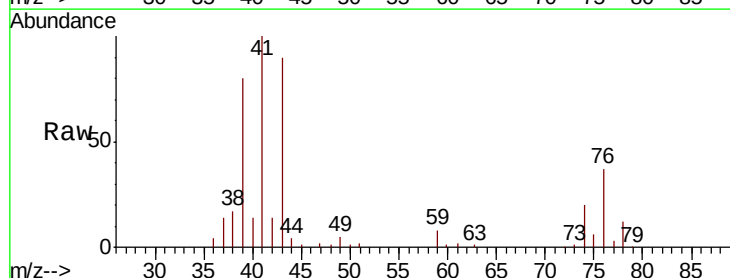
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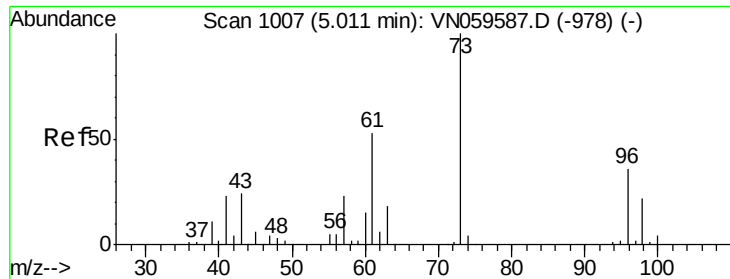
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#18
Methyl Acetate
Concen: 26.322 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion: 43 Resp: 119717
Ion Ratio Lower Upper
43 100
74 21.8 17.5 26.3





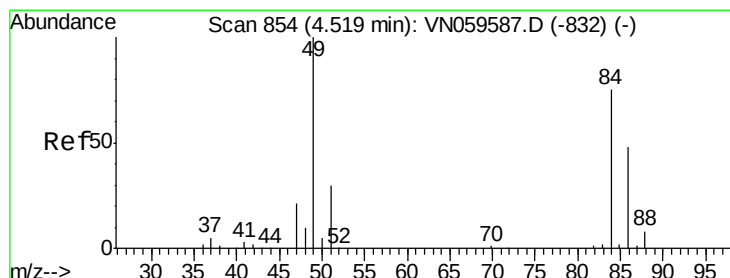
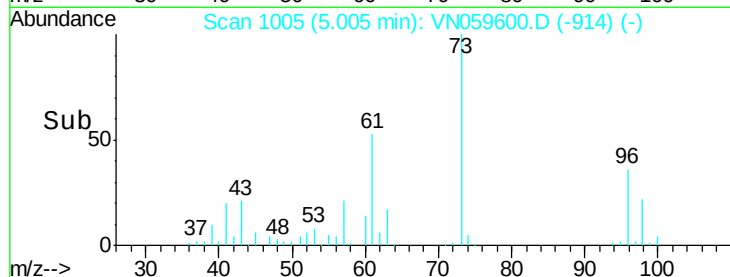
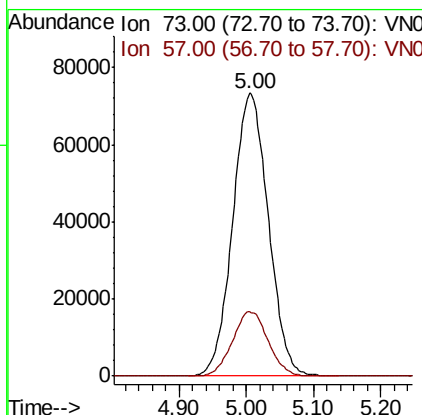
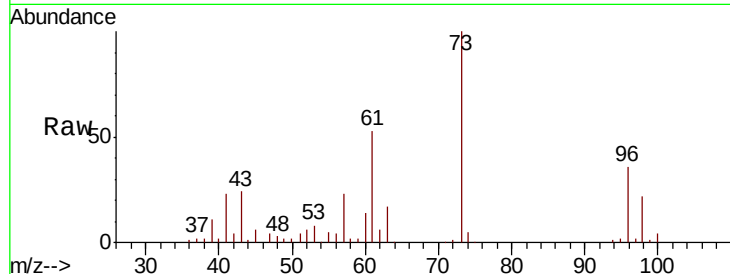
#19
Methyl tert-butyl Ether
Concen: 29.040 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion: 73 Resp: 270189
Ion Ratio Lower Upper
73 100
57 22.6 18.6 27.8

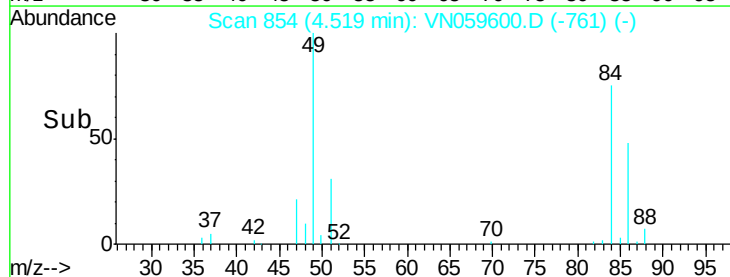
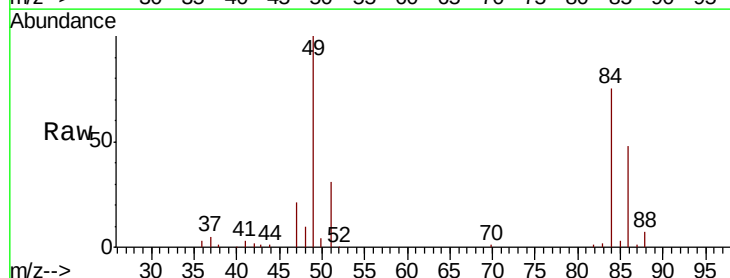
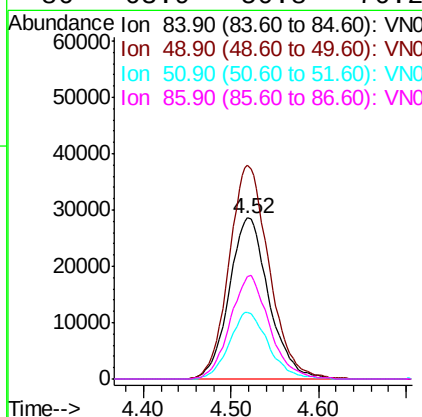
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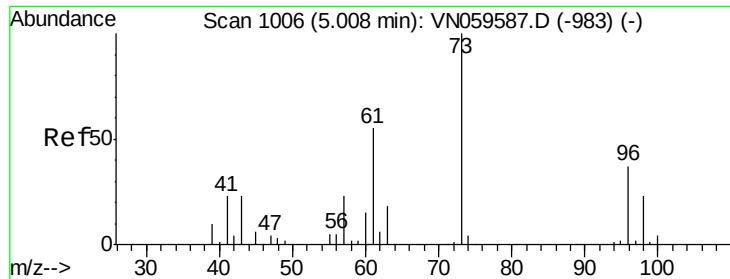
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#20
Methylene Chloride
Concen: 28.741 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion: 84 Resp: 90097
Ion Ratio Lower Upper
84 100
49 132.6 106.6 160.0
51 41.6 31.9 47.9
86 63.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 28.263 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

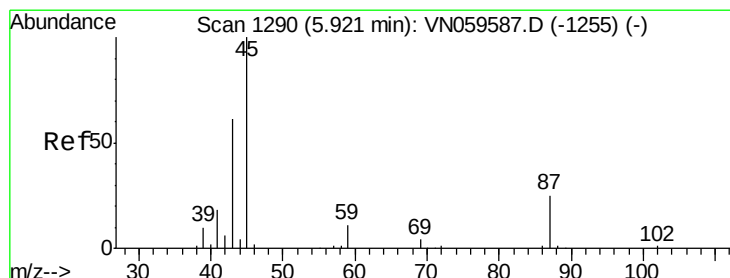
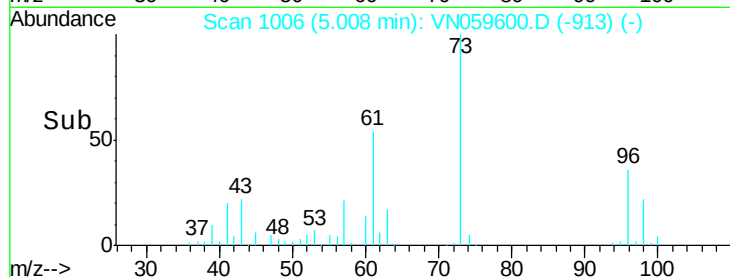
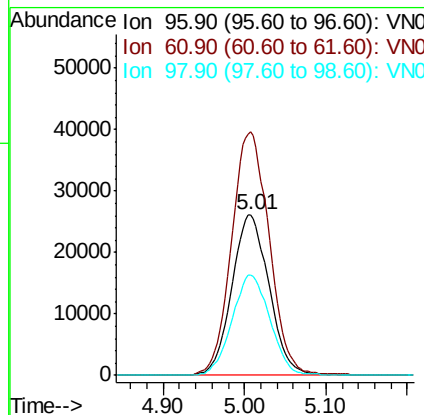
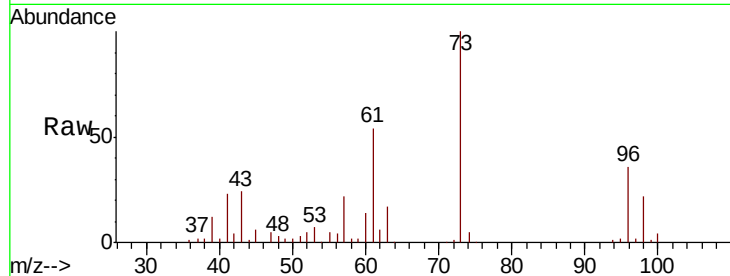
ClientSampleId :

VN1216WBS02

Tot Ion:	96	Resp:	83027
Ion	Ratio	Lower	Upper
96	100		
61	151.2	120.4	180.6
98	62.5	50.6	75.8

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#22

Diisopropyl ether

Concen: 29.639 ug/l

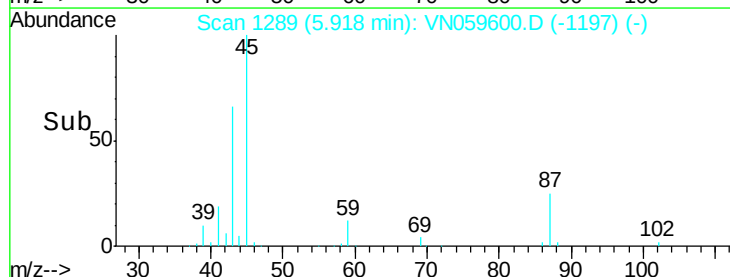
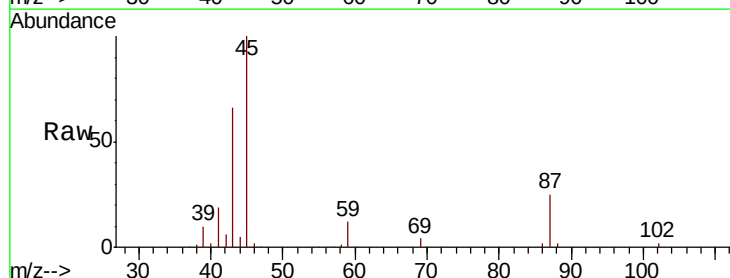
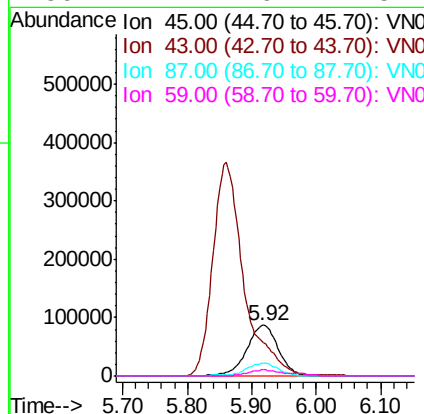
RT: 5.92 min Scan# 1289

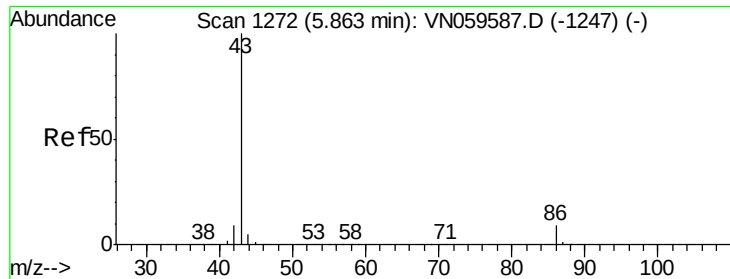
Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion:	45	Resp:	295589
Ion	Ratio	Lower	Upper
45	100		
43	64.6	50.8	76.2
87	24.9	21.0	31.6
59	11.7	9.1	13.7





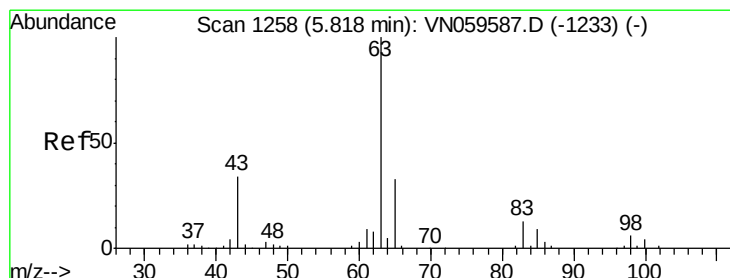
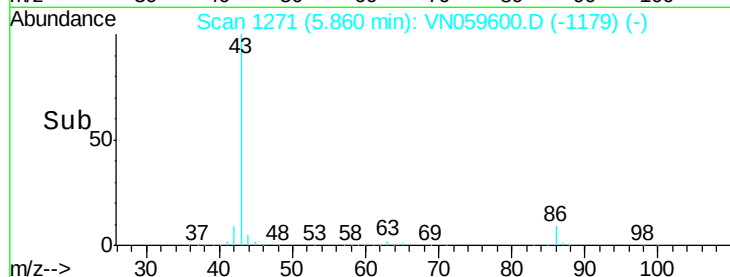
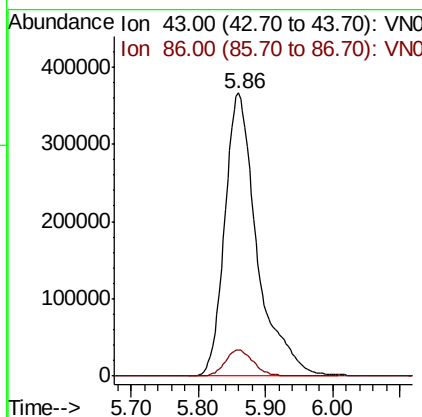
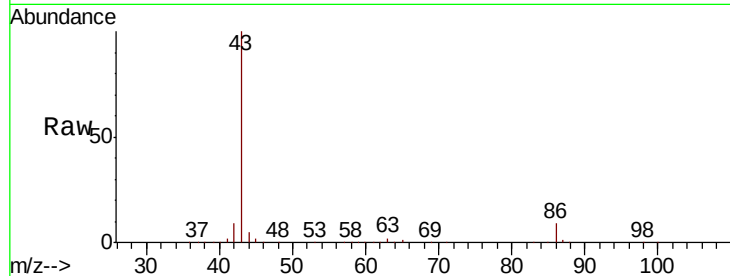
#23
 Vinyl Acetate
 Concen: 156.372 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. -0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Tot Ion: 43 Resp: 1223845
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.6 11.4

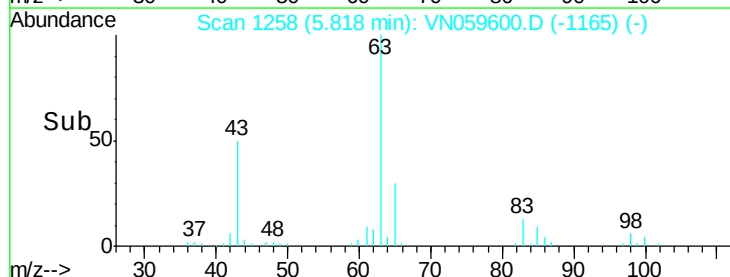
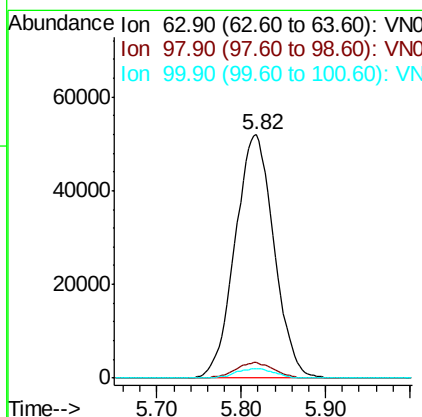
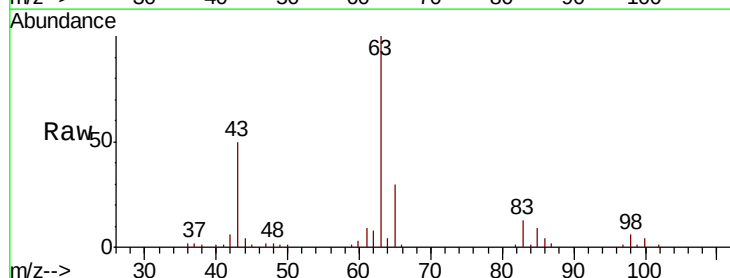
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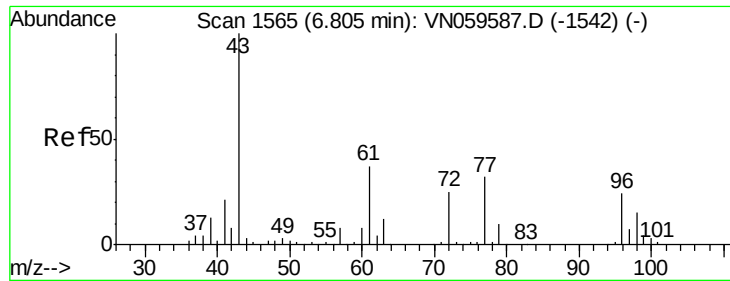
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#24
 1,1-Dichloroethane
 Concen: 29.488 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion: 63 Resp: 166585
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.7
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 130.382 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion: 43 Resp: 338408

Ion Ratio Lower Upper

43 100

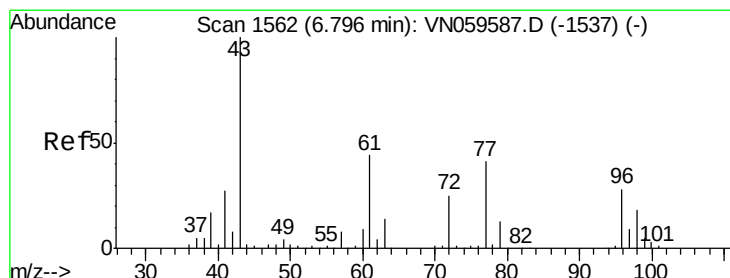
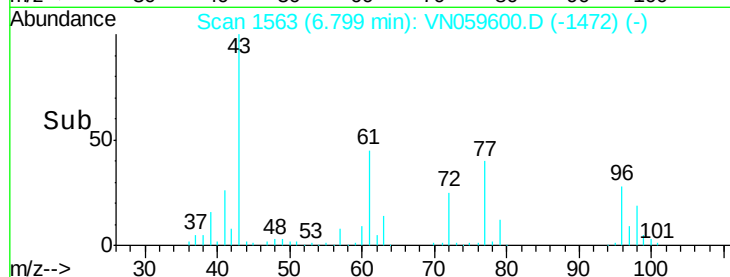
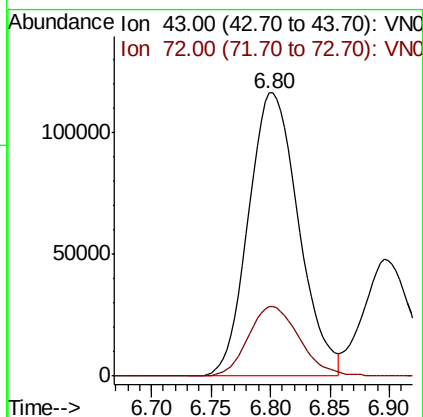
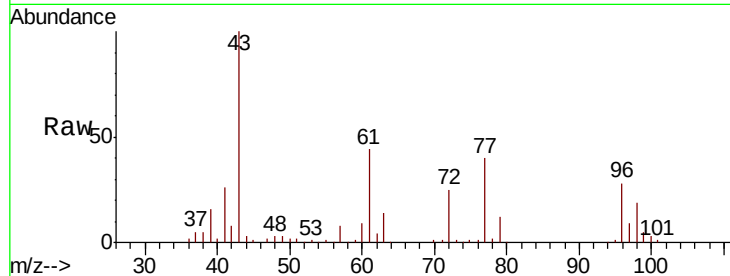
72 24.7 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 29.865 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059600.D

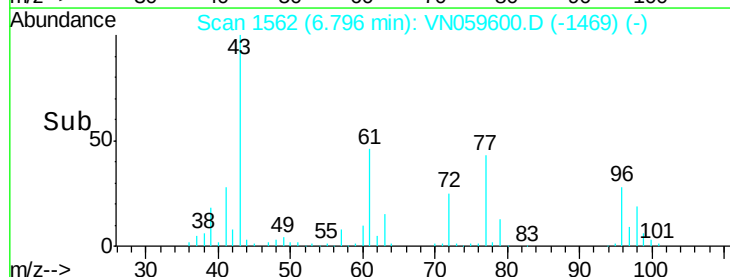
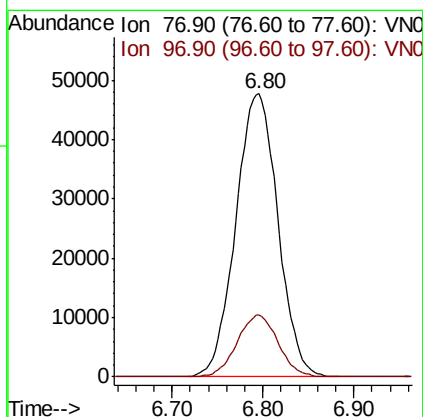
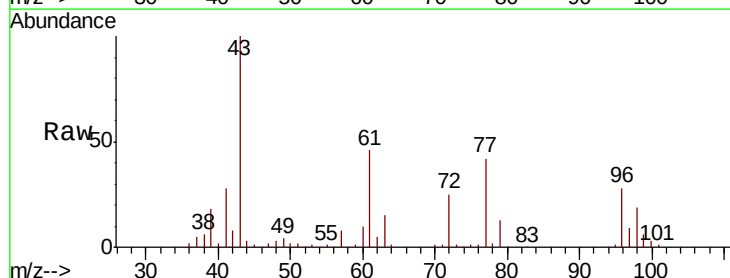
Acq: 16 Dec 2019 14:10

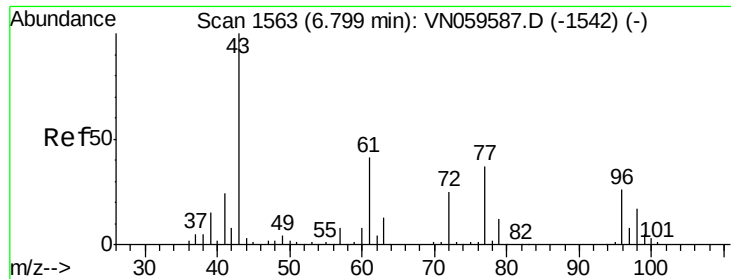
Tgt Ion: 77 Resp: 153338

Ion Ratio Lower Upper

77 100

97 21.2 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 28.927 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

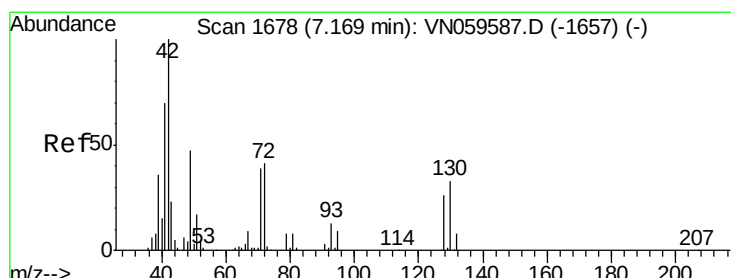
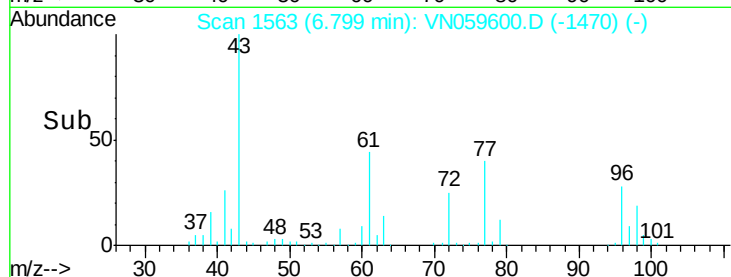
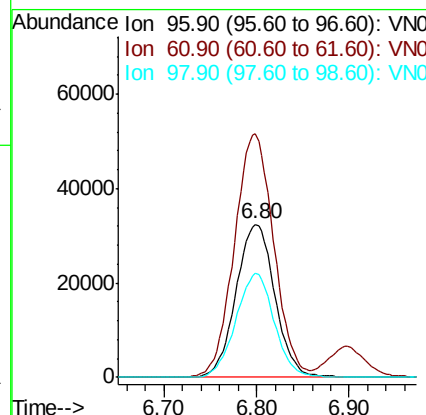
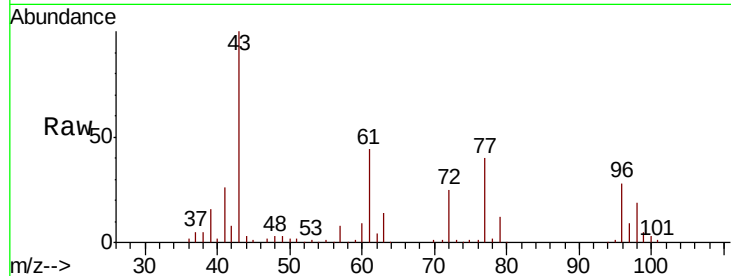
ClientSampleId :

VN1216WBS02

Tot Ion:	96	Resp:	94161
Ion	Ratio	Lower	Upper
96	100		
61	161.5	0.0	317.6
98	66.8	0.0	127.0

Manual Integrations
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#28

Bromochloromethane

Concen: 19.430 ug/l

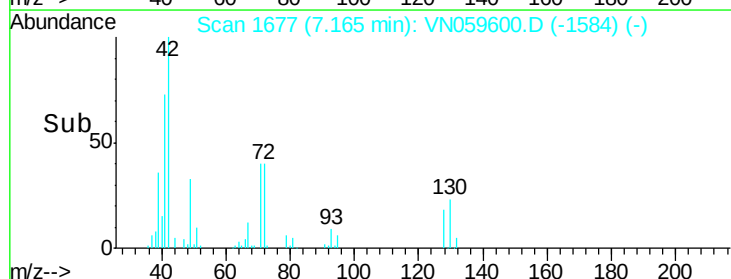
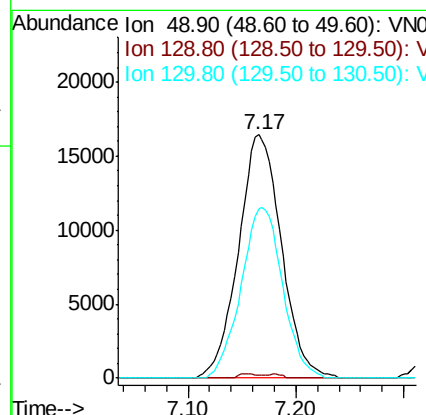
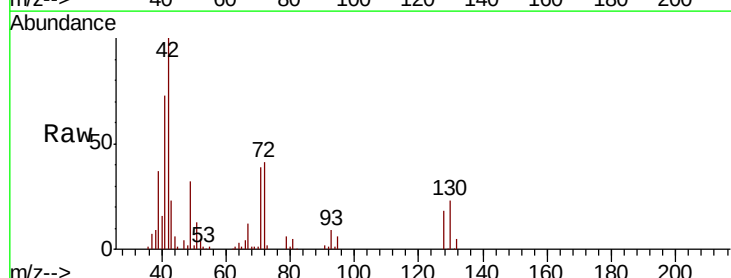
RT: 7.17 min Scan# 1677

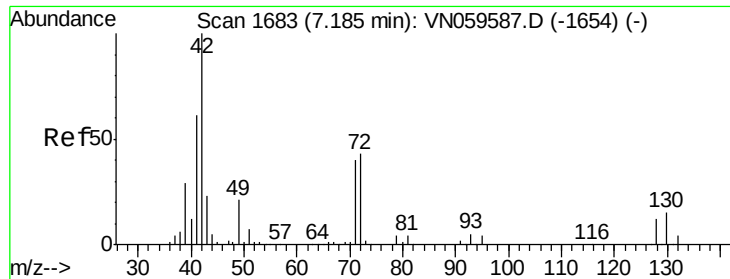
Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion:	49	Resp:	45437
Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	3.4
130	67.9	54.7	82.1





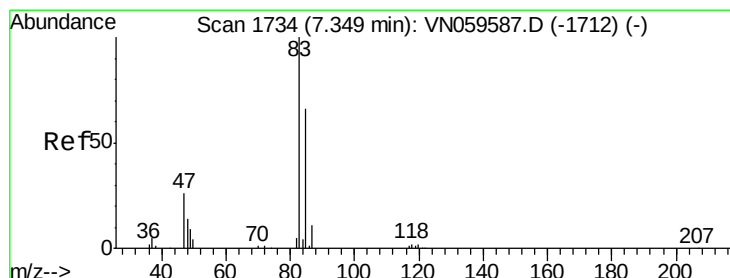
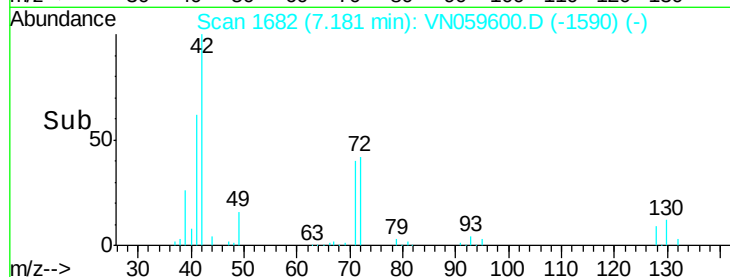
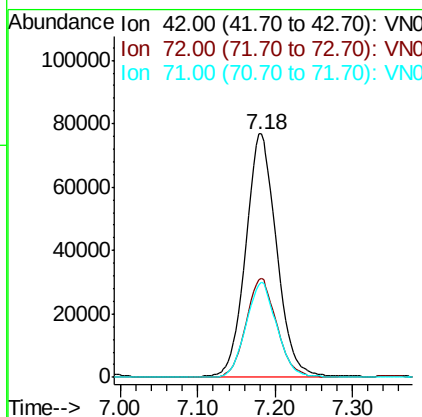
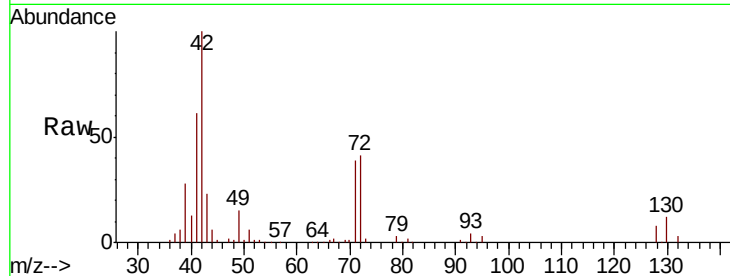
#29
Tetrahydrofuran
Concen: 136.057 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	33.1	49.7
71	38.9	31.4	47.0

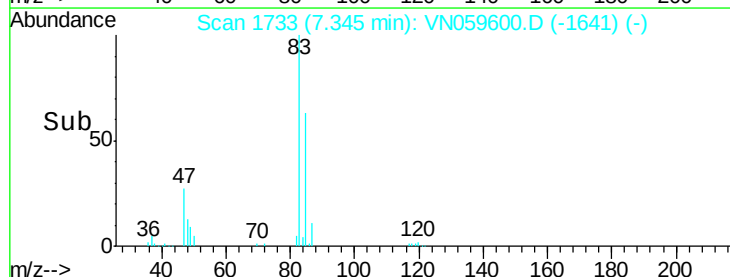
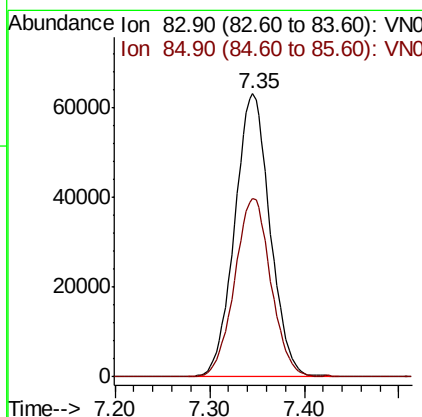
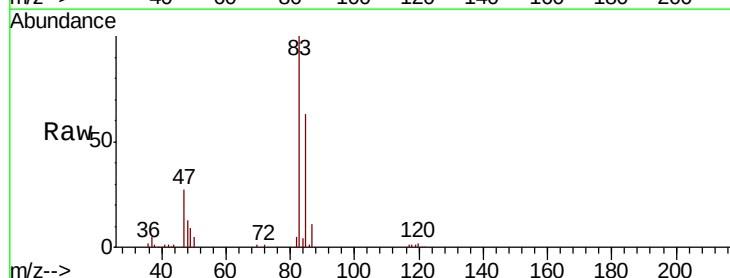
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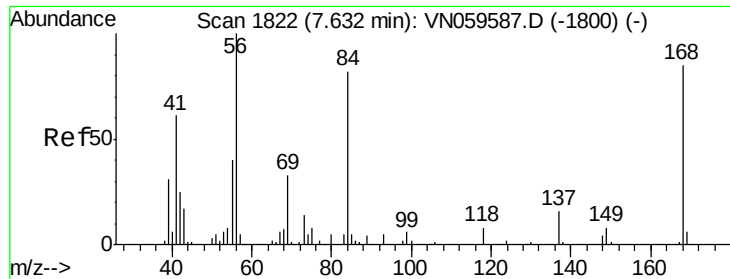
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#30
Chloroform
Concen: 29.435 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	52.4	78.6





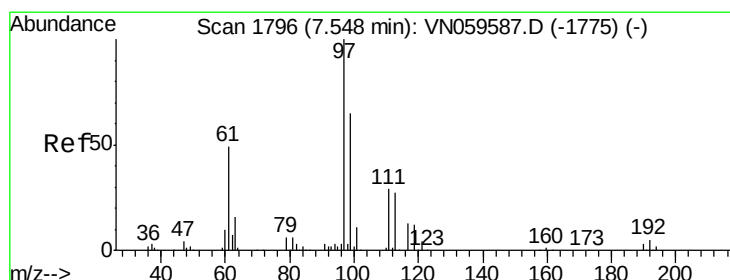
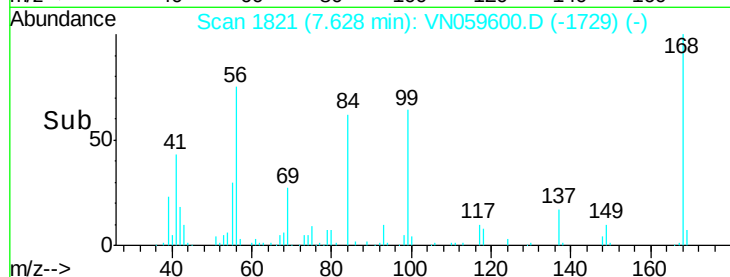
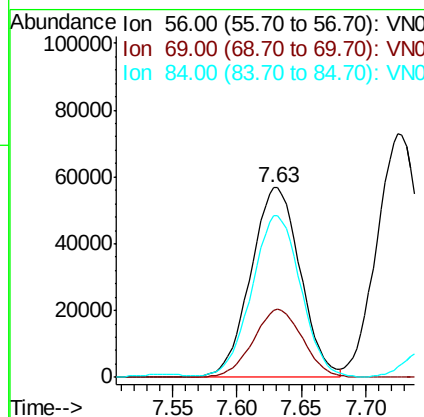
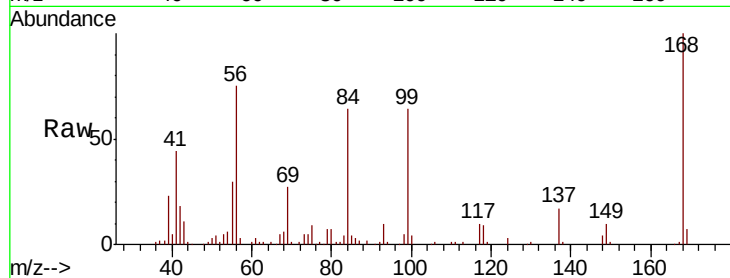
#31
Cyclohexane
Concen: 28.445 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	26.5	39.7
84	84.6	65.3	97.9

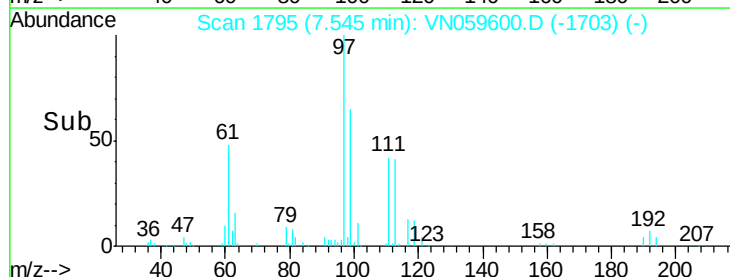
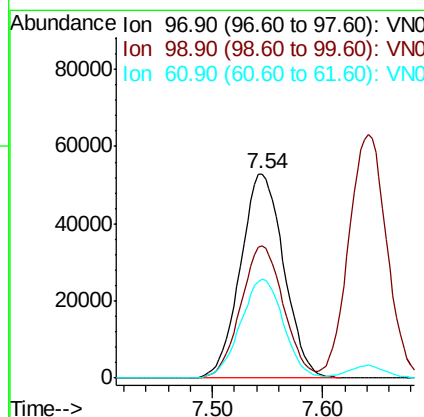
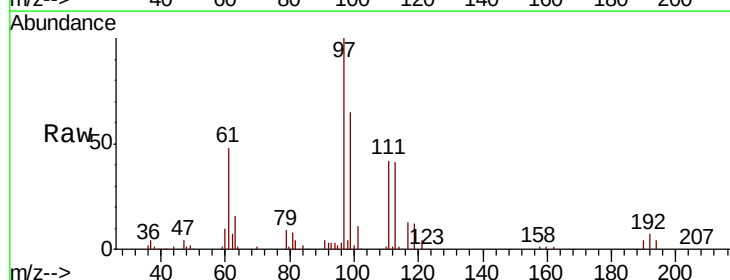
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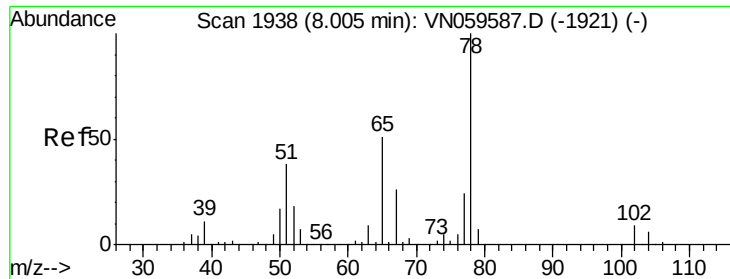
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#32
1,1,1-Trichloroethane
Concen: 28.780 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	47.9	38.5	57.7





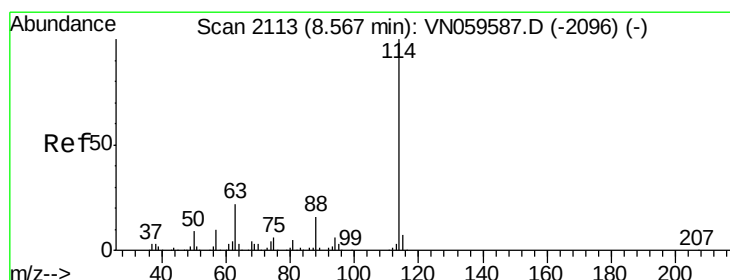
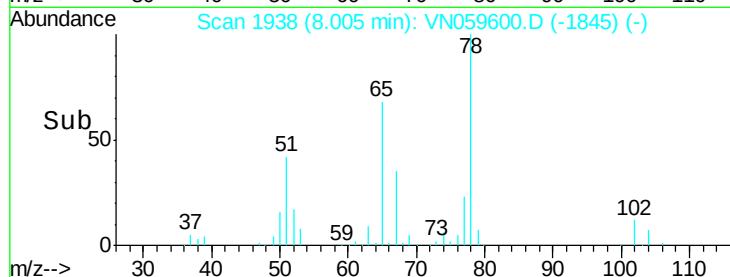
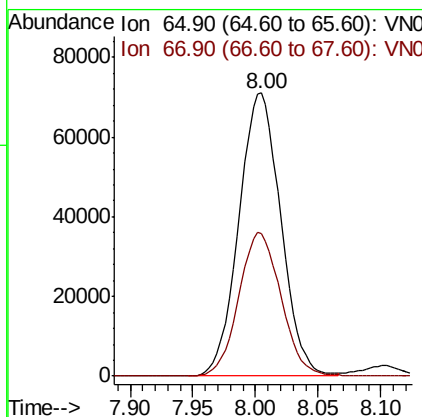
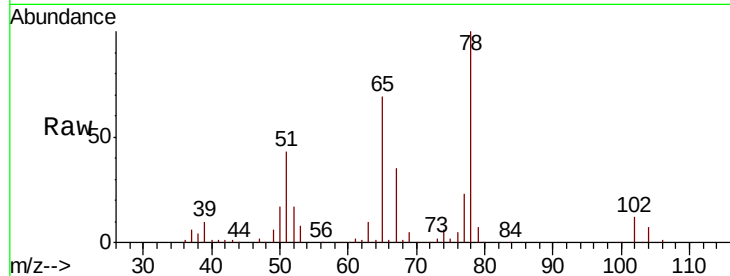
#33
 1,2-Dichloroethane-d4
 Concen: 45.224 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	165334		
67	51.1	0.0	103.0	

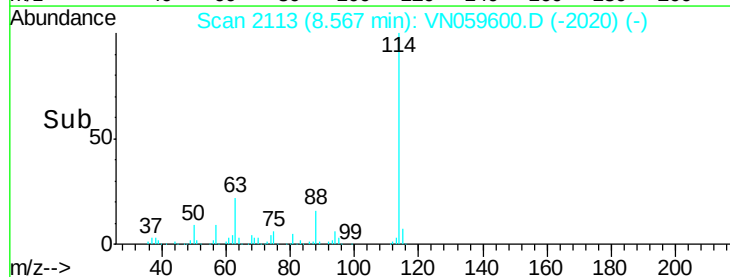
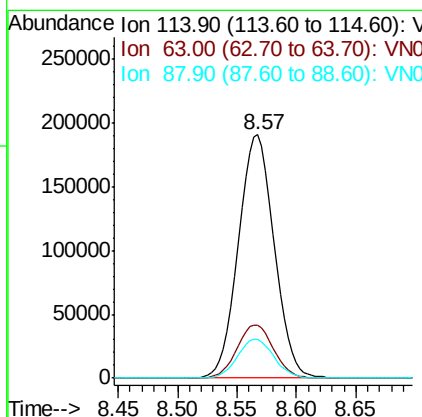
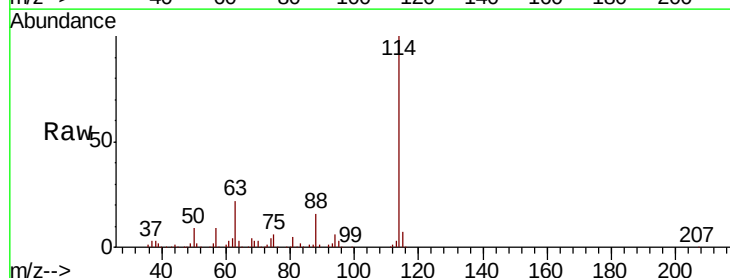
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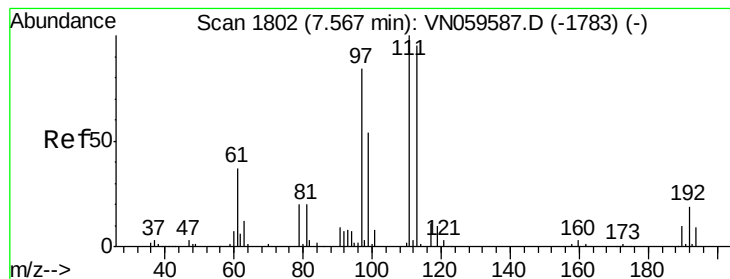
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398527		
63	21.6	0.0	43.6	
88	15.7	0.0	31.4	





#35

Dibromofluoromethane

Concen: 46.591 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

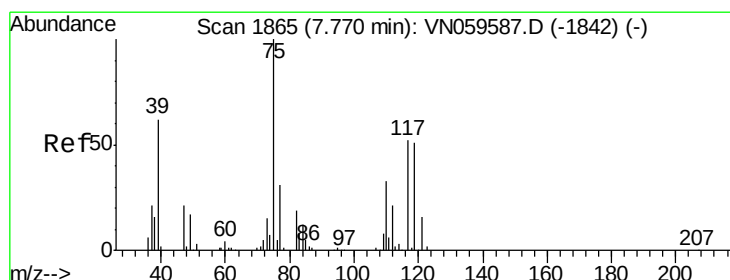
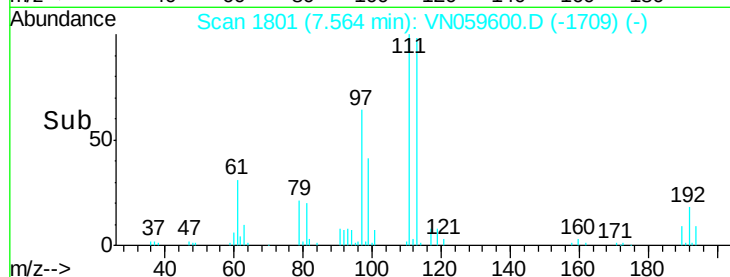
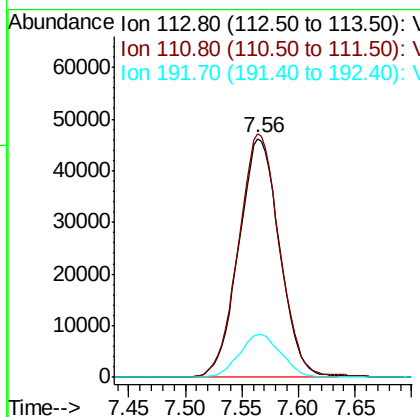
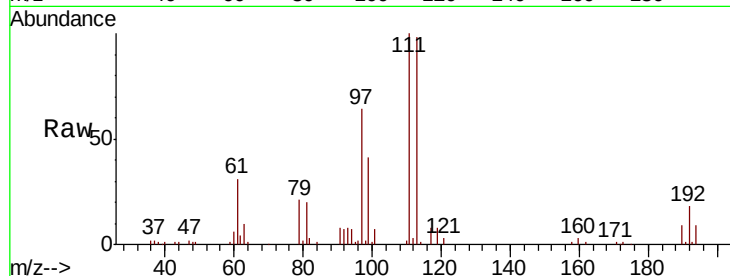
ClientSampleId :

VN1216WBS02

Tot Ion:	113	Resp:	116175
Ion Ratio	Lower	Upper	
113	100		
111	102.6	83.5	125.3
192	18.3	15.4	23.2

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#36

1,1-Dichloropropene

Concen: 30.350 ug/l

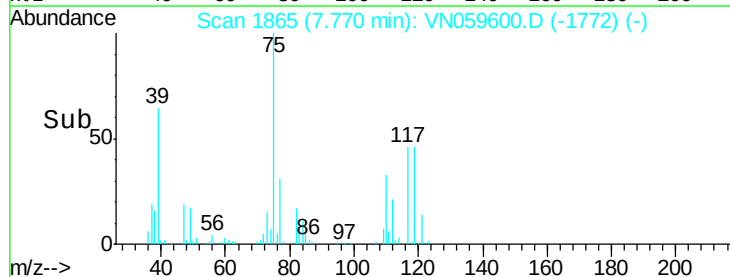
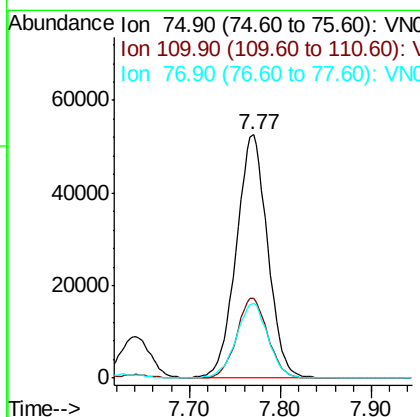
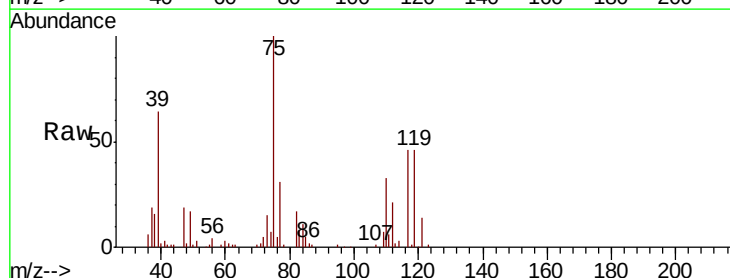
RT: 7.77 min Scan# 1865

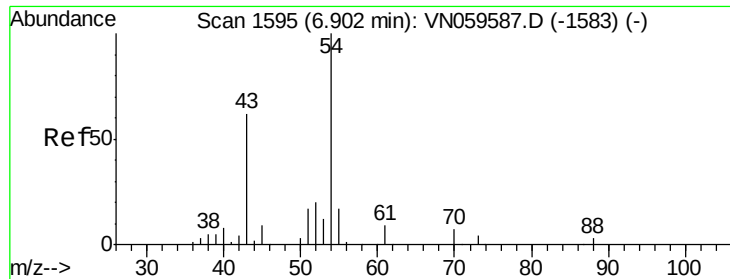
Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion:	75	Resp:	126135
Ion Ratio	Lower	Upper	
75	100		
110	32.3	16.6	49.7
77	31.1	25.1	37.7





#37

Ethyl Acetate

Concen: 27.792 ug/l

RT: 6.90 min Scan# 1593

Delta R.T. -0.01 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

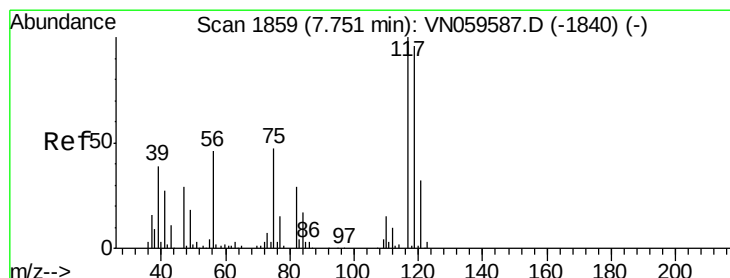
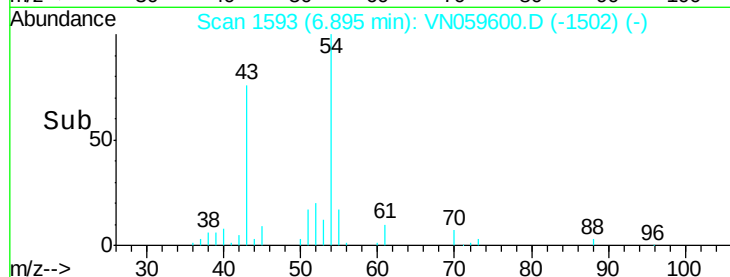
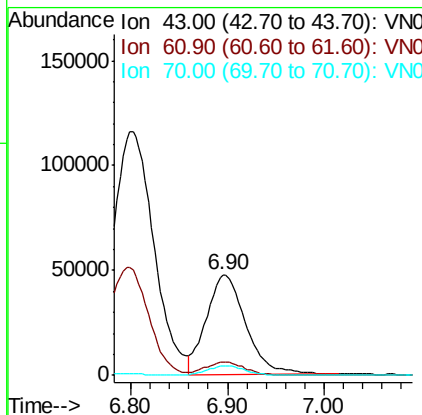
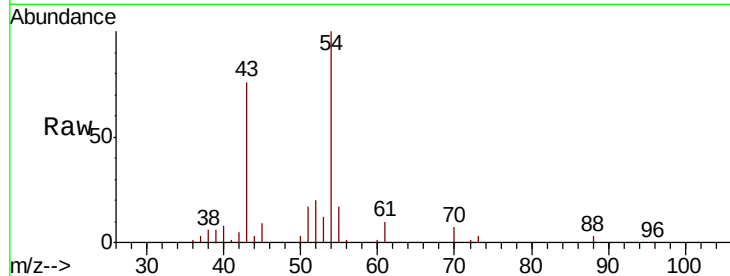
ClientSampleId :

VN1216WBS02

Tot Ion:	43	Resp:	134246
Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.9	16.3
70	9.2	7.7	11.5

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#38

Carbon Tetrachloride

Concen: 29.672 ug/l

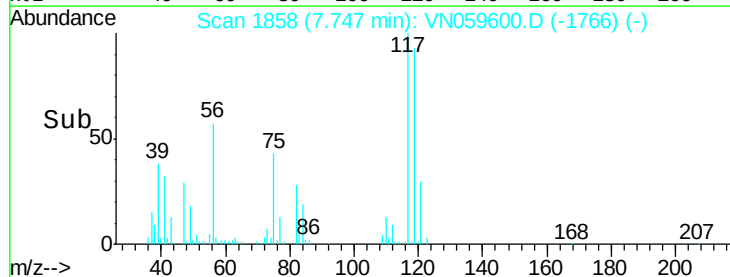
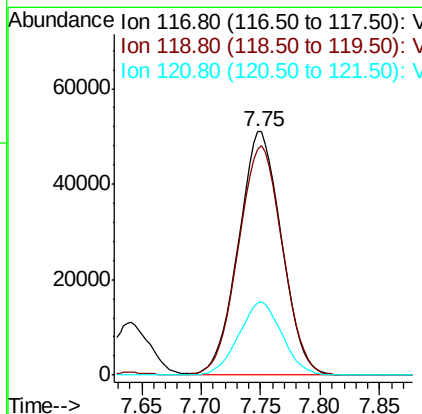
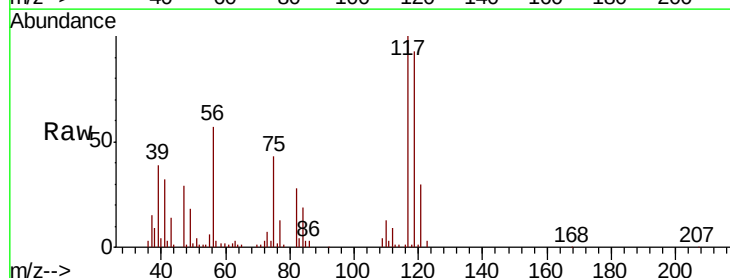
RT: 7.75 min Scan# 1858

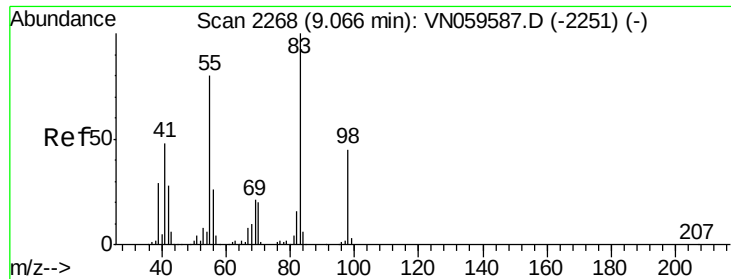
Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion:	117	Resp:	127965
Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.5	114.7
121	29.6	25.1	37.7





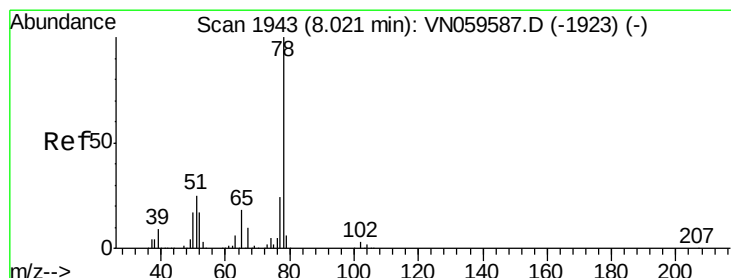
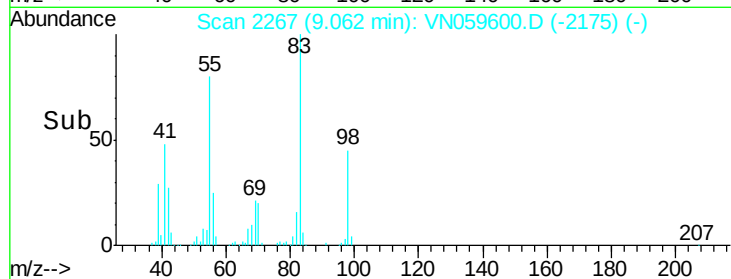
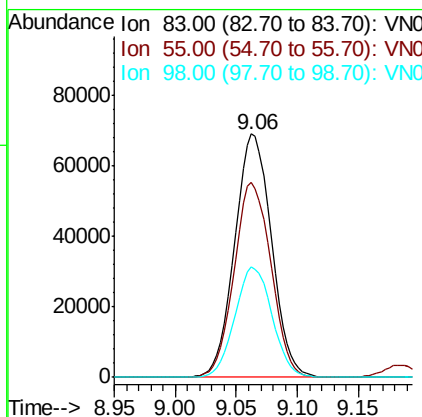
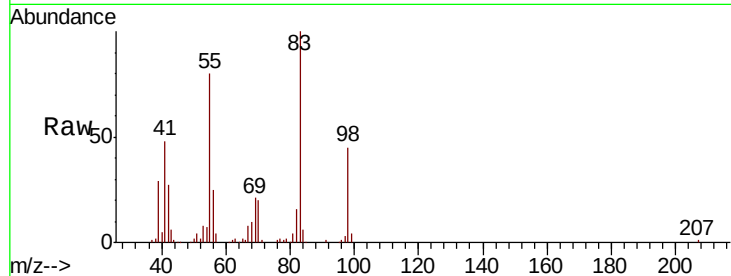
#39
Methylvlcyclohexane
Concen: 30.559 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.1	64.2	96.2	
98	45.1	35.9	53.9	

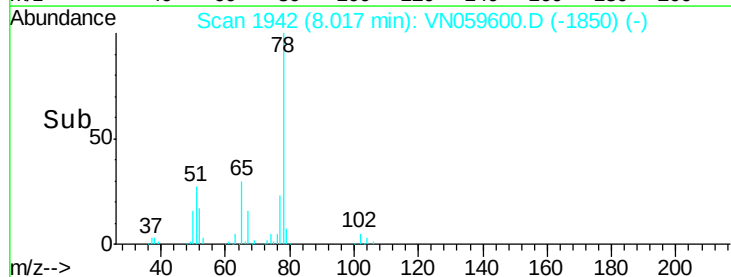
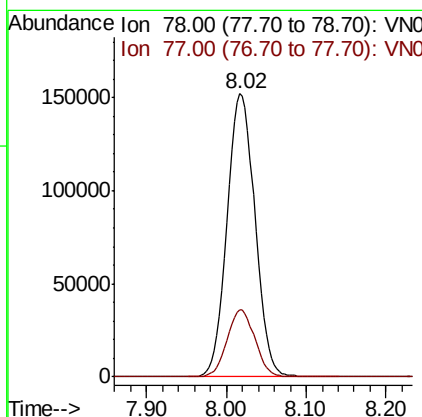
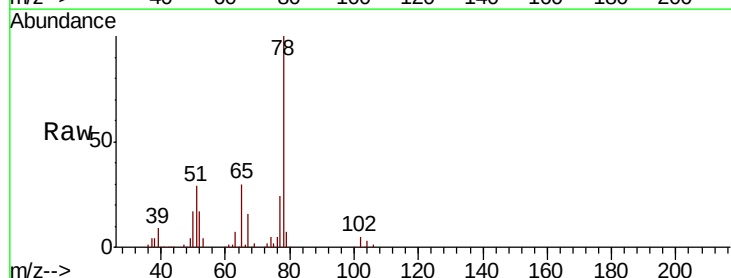
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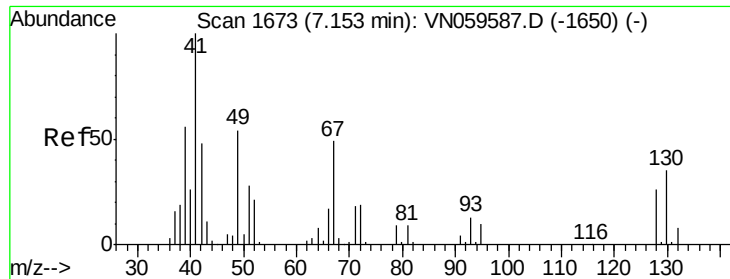
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#40
Benzene
Concen: 29.777 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.8	18.9	28.3	





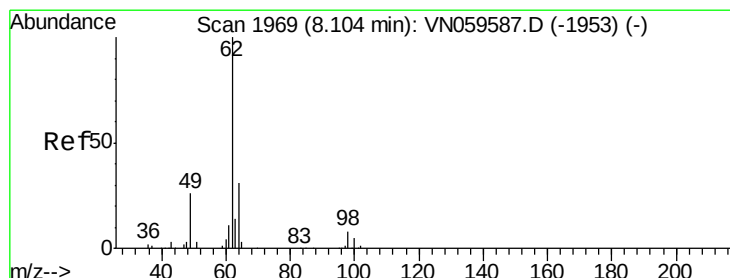
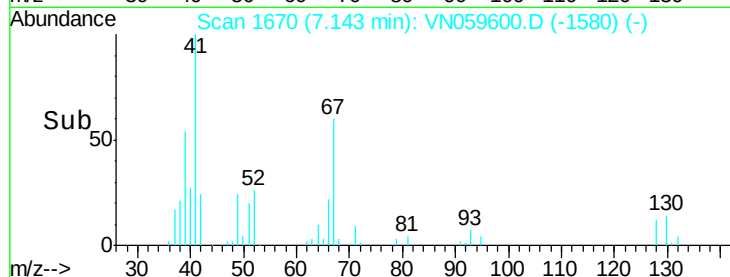
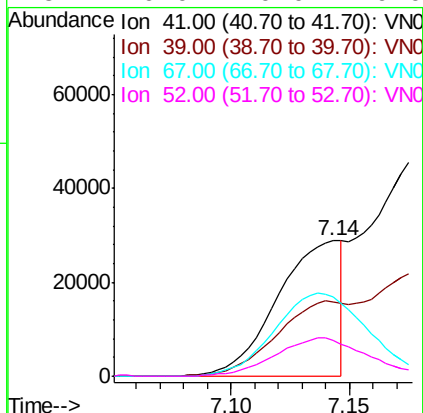
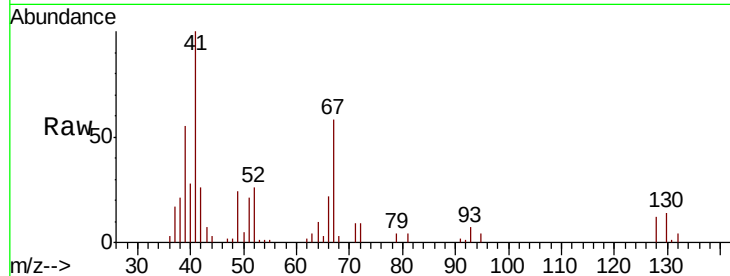
#41
Methacrylonitrile
Concen: 26.977 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		53780		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

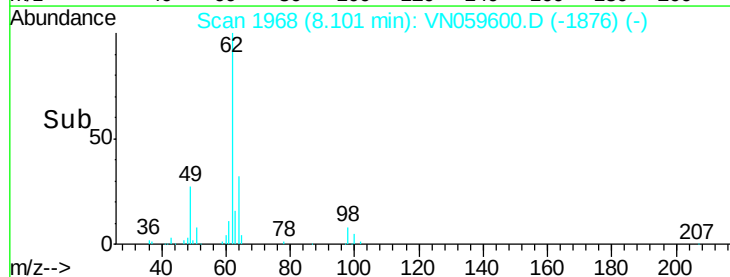
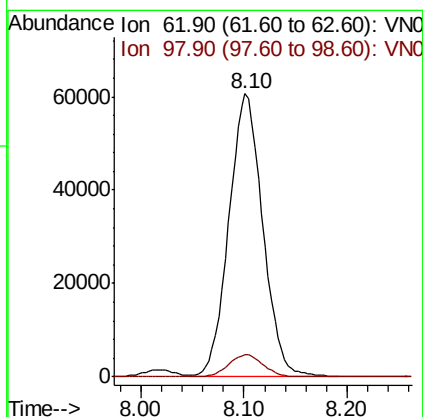
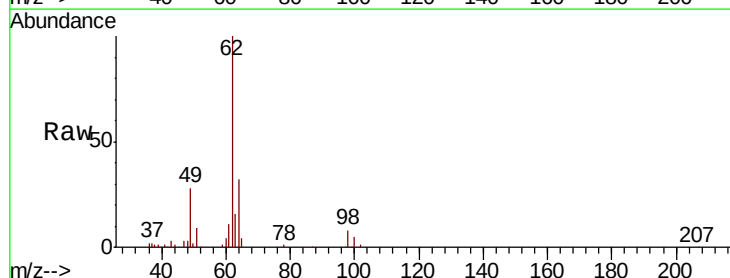
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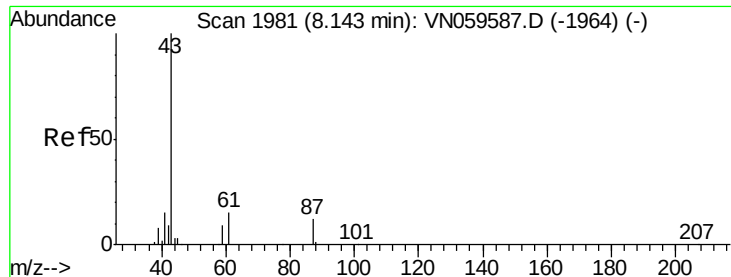
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#42
1,2-Dichloroethane
Concen: 29.698 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		138134		
98	8.0	0.0	15.8		





#43

Isopropyl Acetate

Concen: 28.722 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

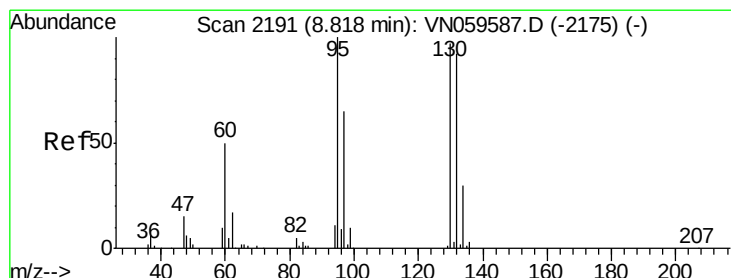
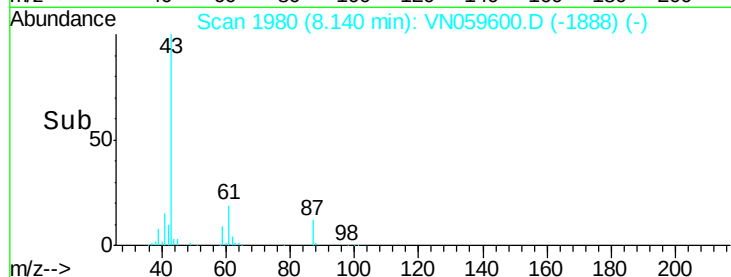
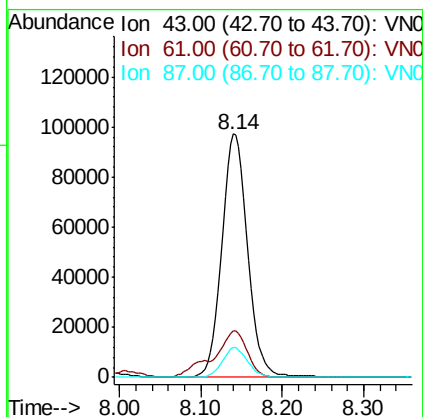
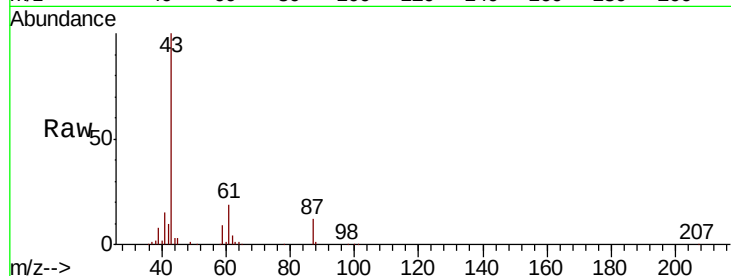
ClientSampleId :

VN1216WBS02

Tot Ion:	43	Resp:	215705
Ion Ratio		Lower	Upper
43	100		
61	24.8	20.2	30.2
87	12.1	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 29.811 ug/l

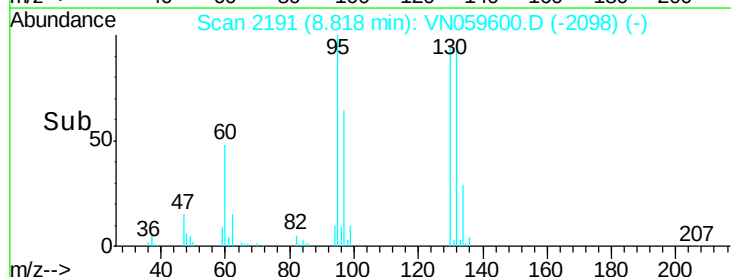
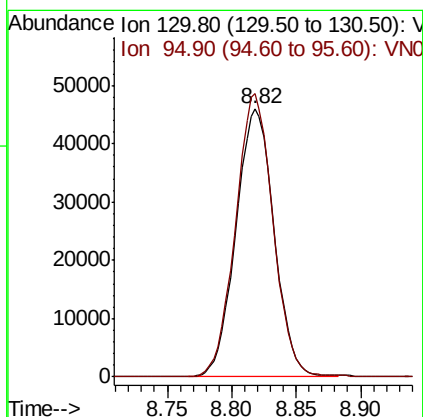
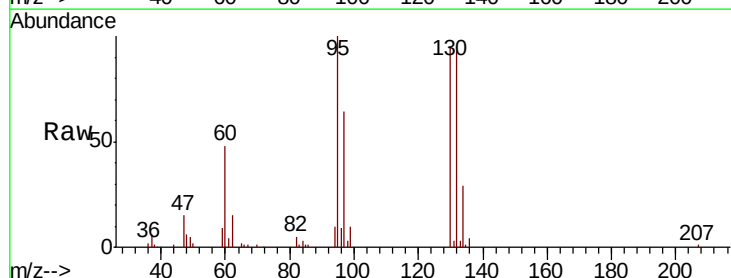
RT: 8.82 min Scan# 2191

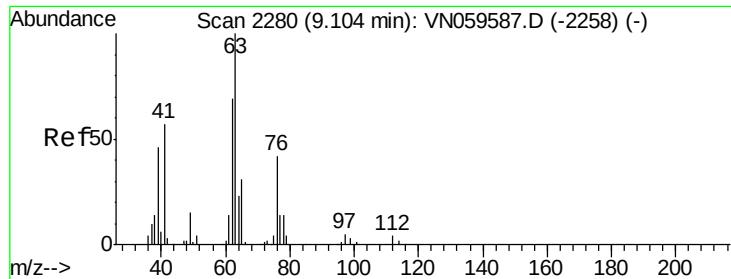
Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion:	130	Resp:	94838
Ion Ratio		Lower	Upper
130	100		
95	105.4	0.0	207.0





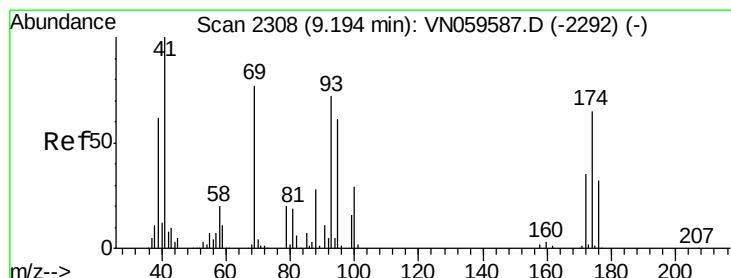
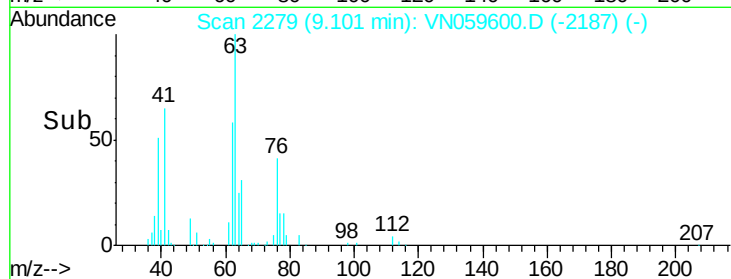
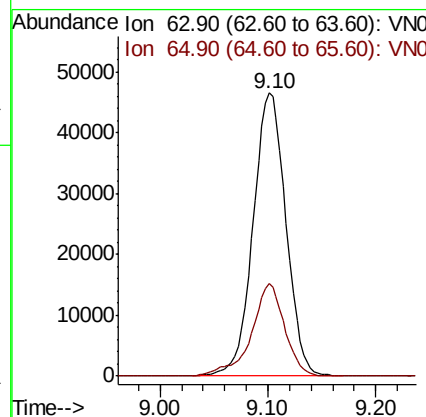
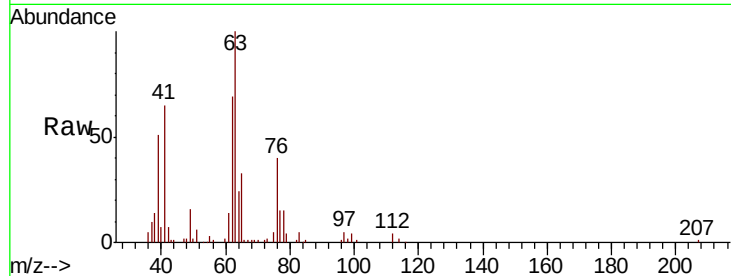
#45
 1,2-Dichloropropane
 Concen: 29.919 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Tot Ion: 63 Resp: 98129
 Ion Ratio Lower Upper
 63 100
 65 32.5 24.9 37.3

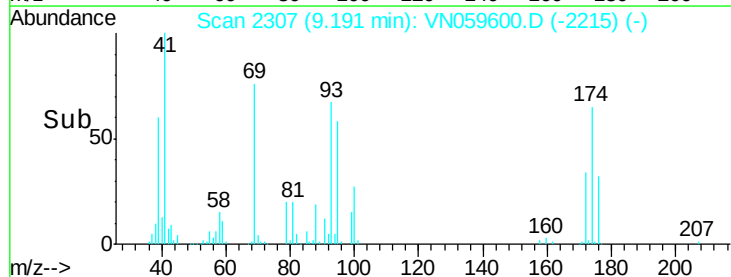
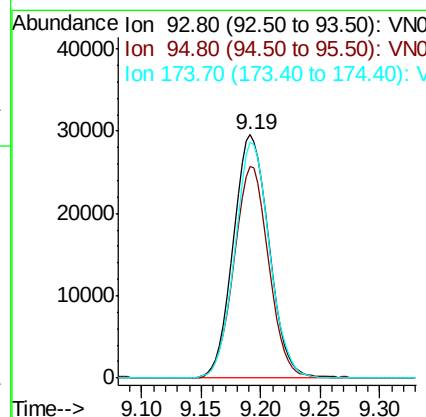
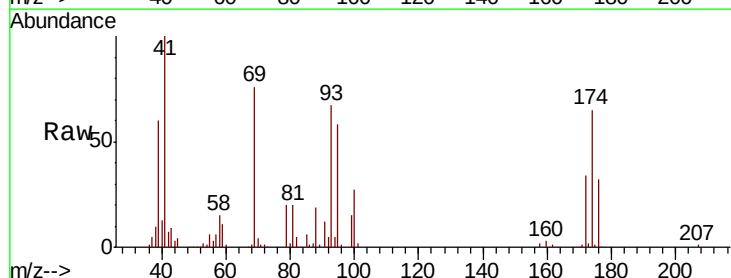
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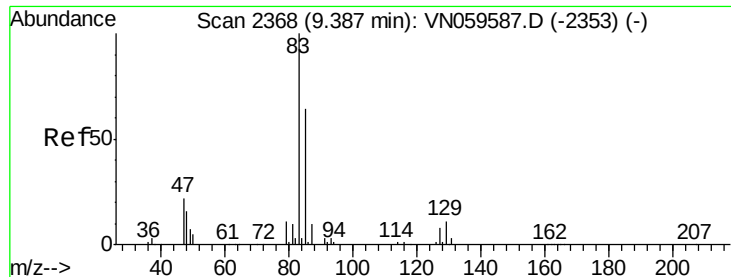
apatel
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#46
 Dibromomethane
 Concen: 28.672 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion: 93 Resp: 61609
 Ion Ratio Lower Upper
 93 100
 95 84.6 67.0 100.6
 174 94.3 73.4 110.2





#47

Bromodichloromethane

Concen: 29.794 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

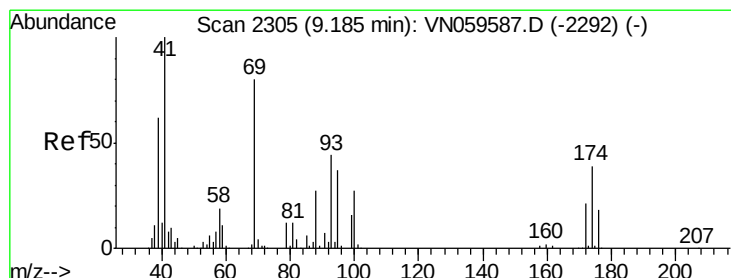
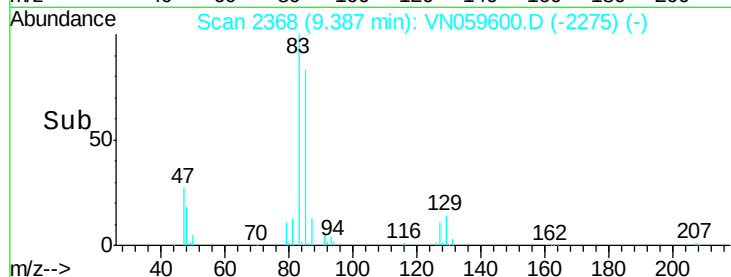
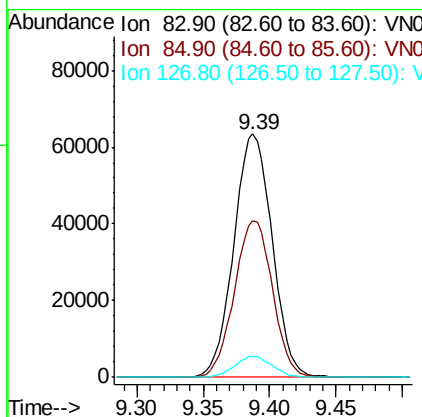
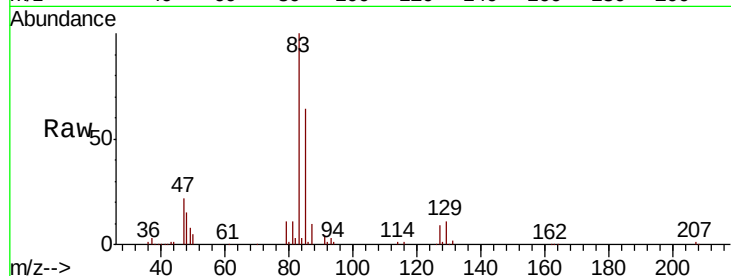
ClientSampleId :

VN1216WBS02

Tot Ion:	83	Resp:	127640
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.1	76.7
127	8.7	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 28.042 ug/l

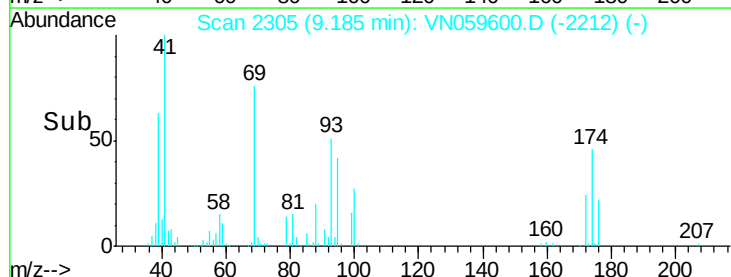
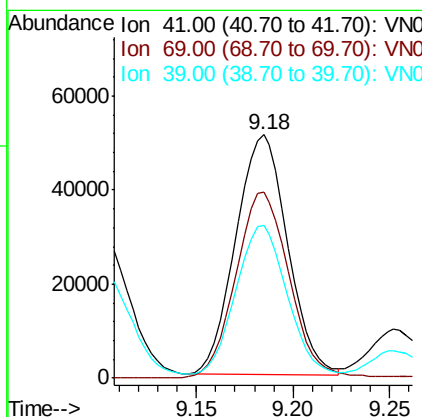
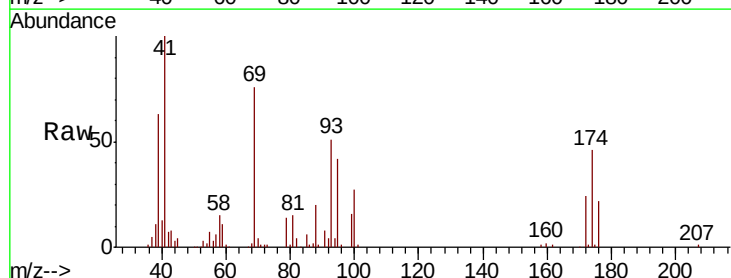
RT: 9.18 min Scan# 2305

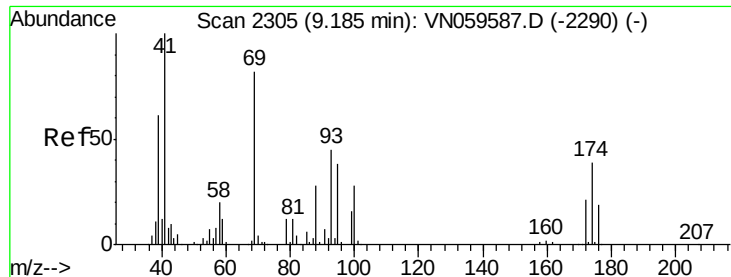
Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion:	41	Resp:	95546
Ion	Ratio	Lower	Upper
41	100		
69	80.0	64.4	96.6
39	63.6	51.3	76.9





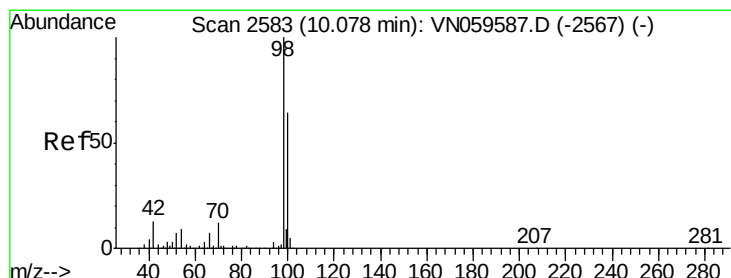
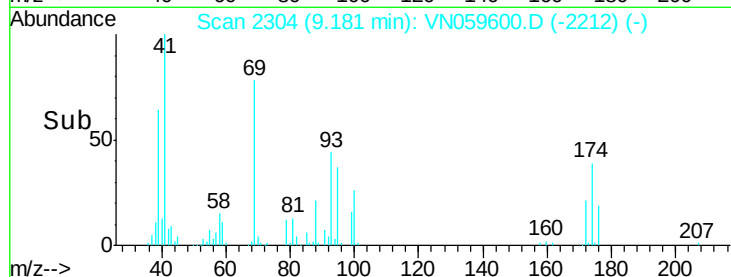
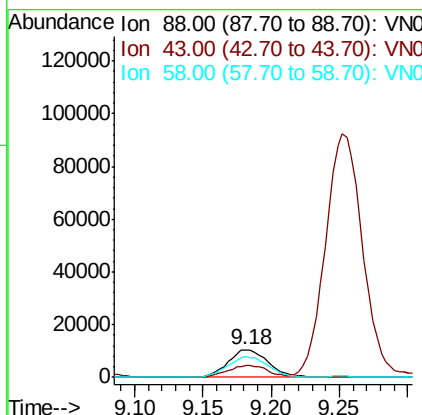
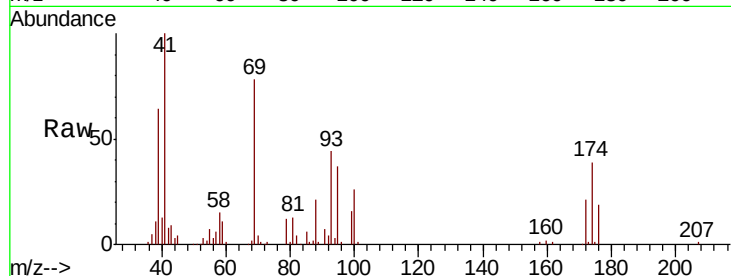
#49
1,4-Dioxane
Concen: 443.142 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	88	Resp	21638
Ion	Ratio	Lower	Upper
88	100		
43	42.8	29.7	44.5
58	75.1	56.6	85.0

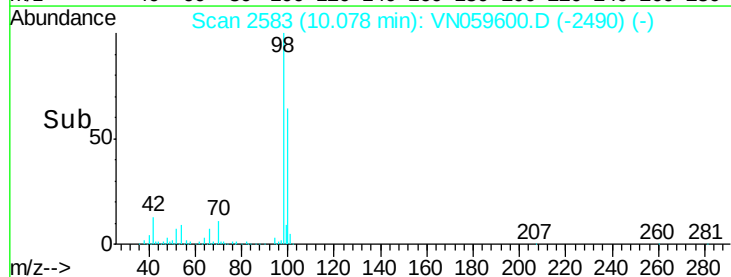
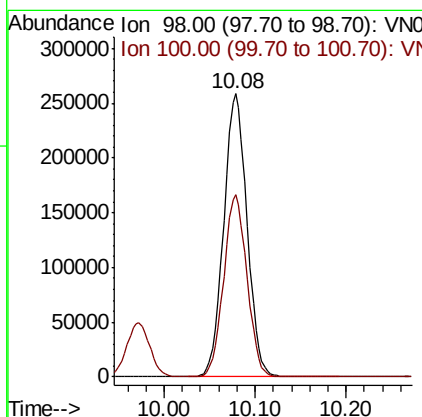
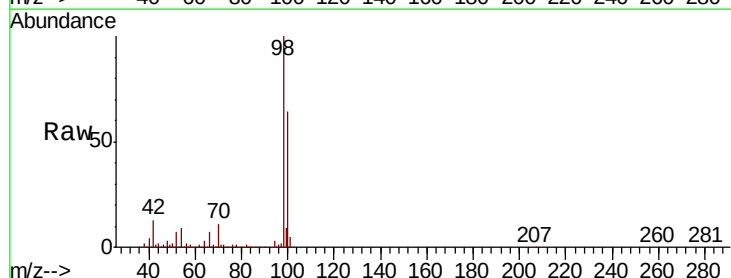
Manual Integrations
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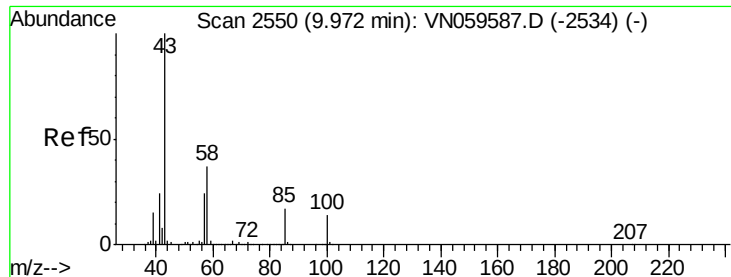
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#50
Toluene-d8
Concen: 46.577 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	98	Resp	459818
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 146.797 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion: 43 Resp: 657306

Ion Ratio Lower Upper

43 100

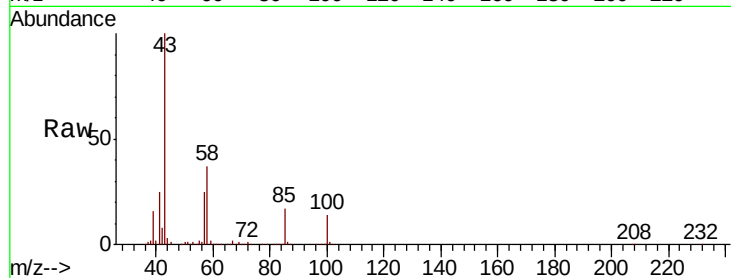
58 37.3 29.8 44.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

9.97

400000

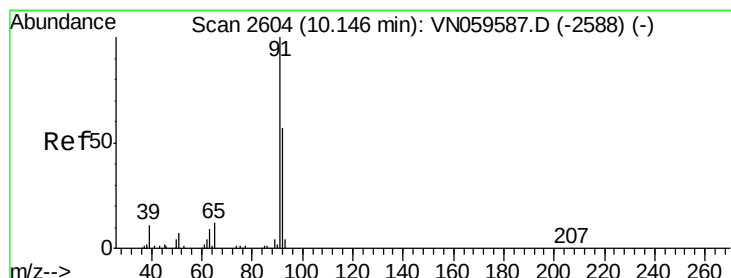
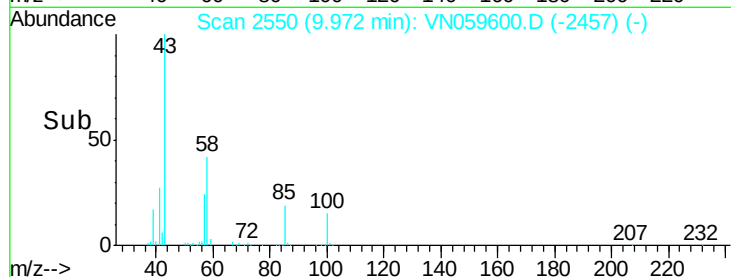
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 29.544 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059600.D

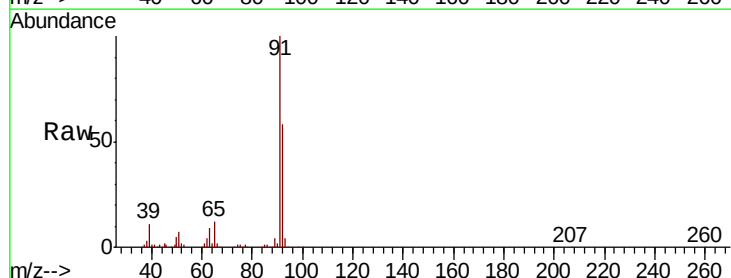
Acq: 16 Dec 2019 14:10

Tgt Ion: 92 Resp: 220480

Ion Ratio Lower Upper

92 100

91 173.5 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)

10.14

250000

200000

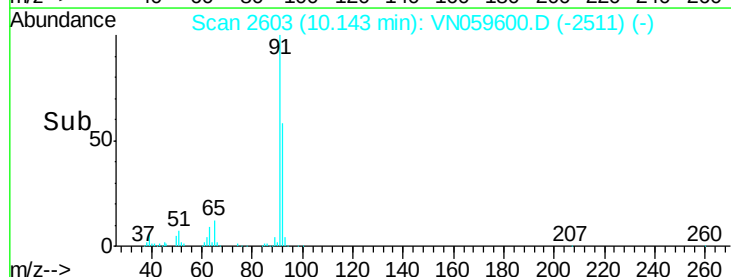
150000

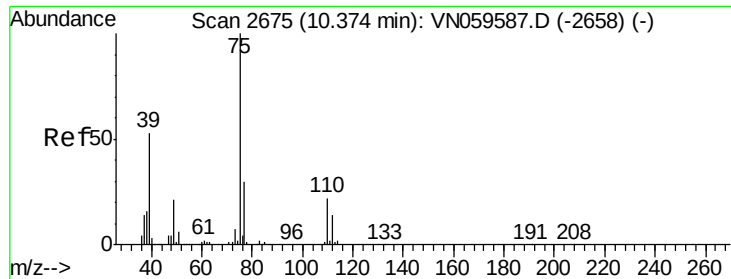
100000

50000

0

Time-->





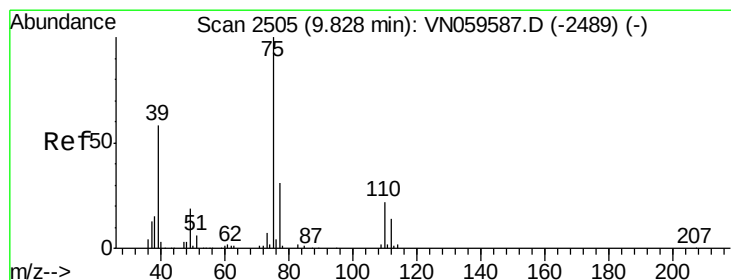
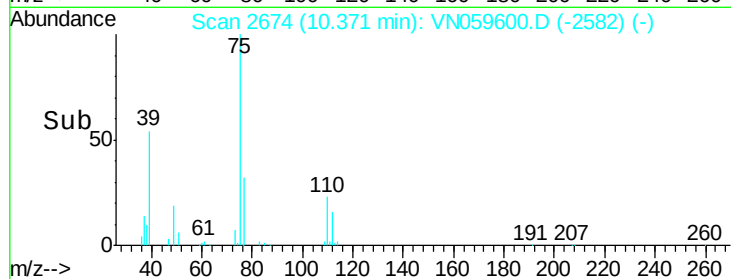
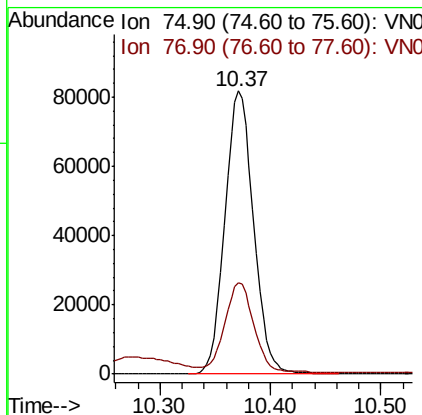
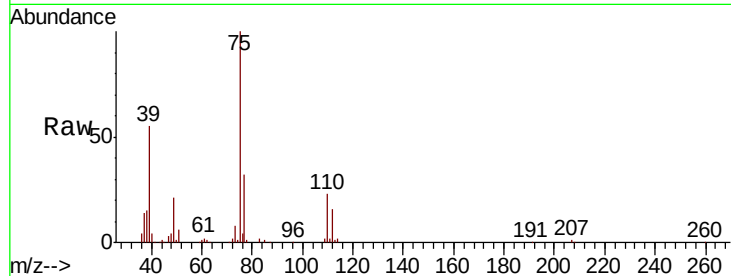
#53
t-1,3-Dichloropropene
Concen: 29.737 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.2

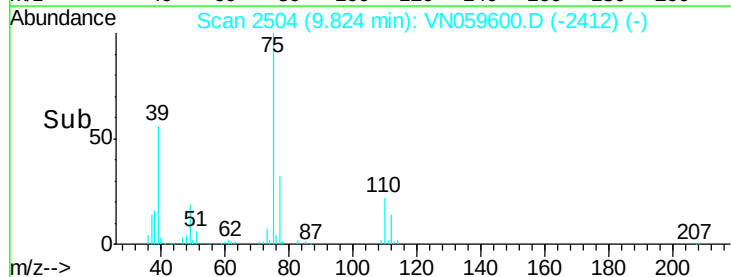
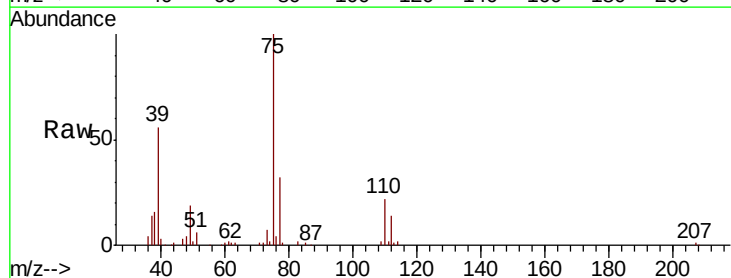
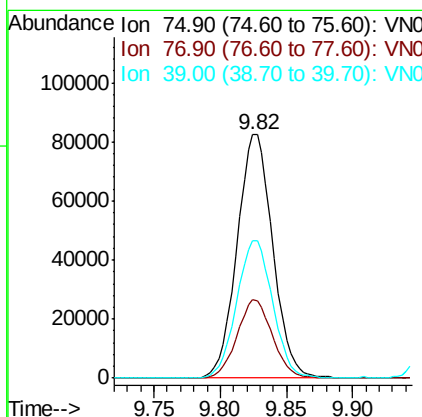
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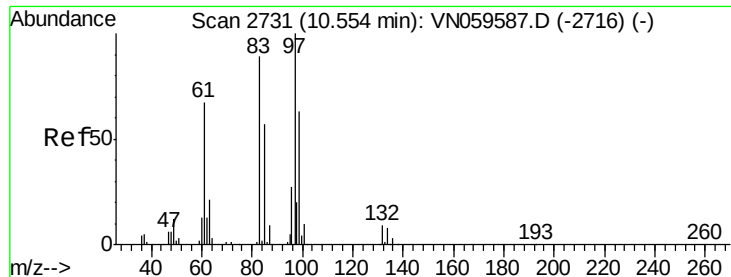
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#54
cis-1,3-Dichloropropene
Concen: 29.585 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.1	37.7
39	56.1	46.1	69.1





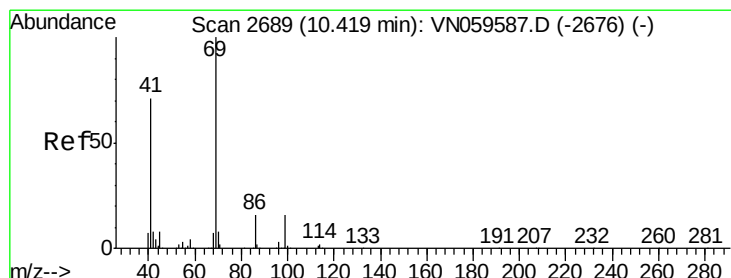
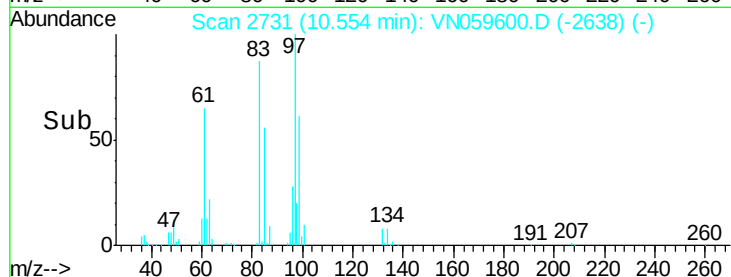
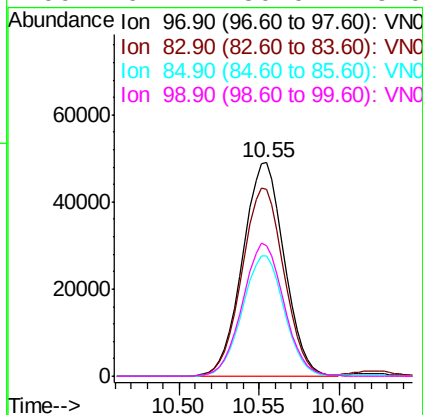
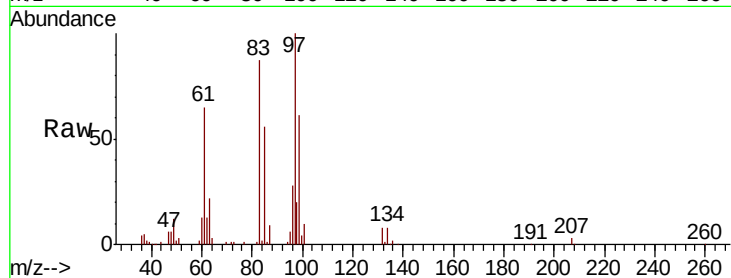
#55
 1,1,2-Trichloroethane
 Concen: 29.867 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.5	71.3	106.9
85	56.2	45.8	68.8
99	61.4	50.0	75.0

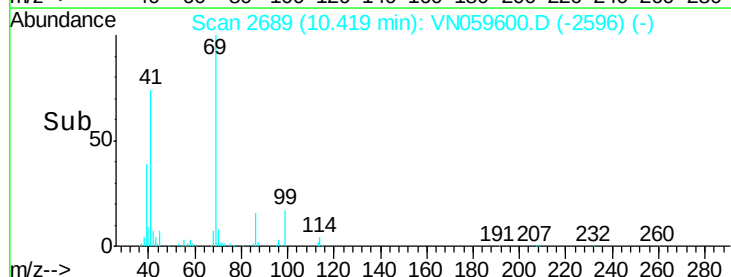
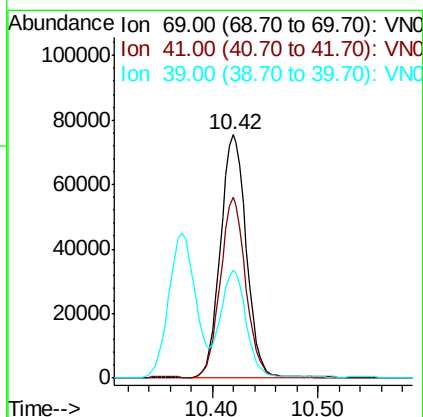
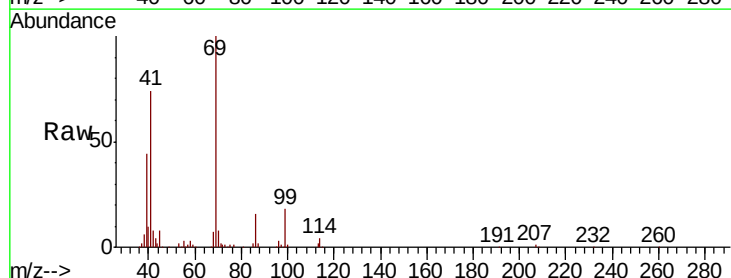
Manual Integrations
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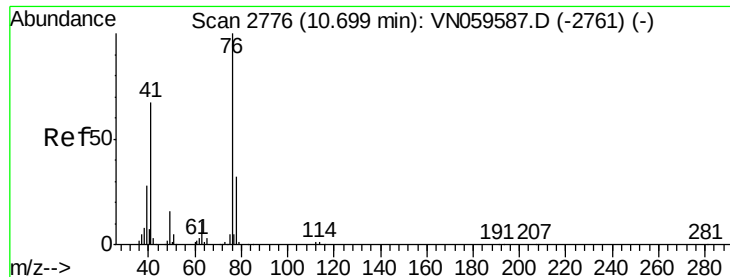
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#56
 Ethyl methacrylate
 Concen: 29.440 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.0	57.1	85.7
39	43.2	34.7	52.1





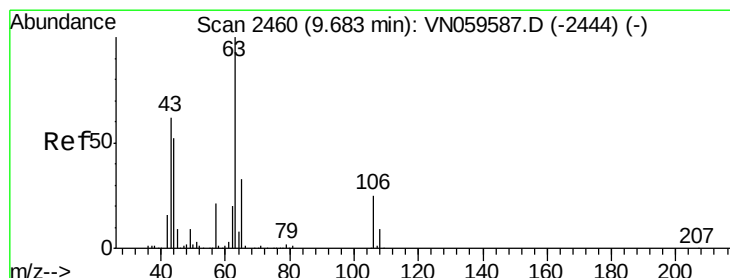
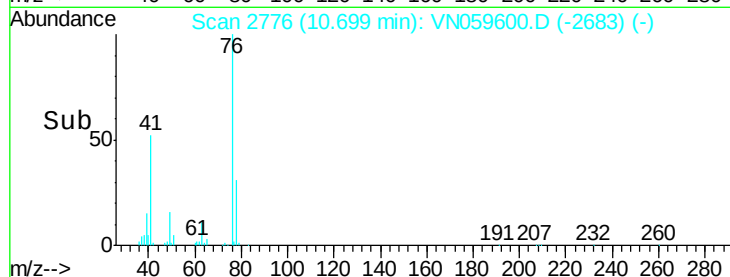
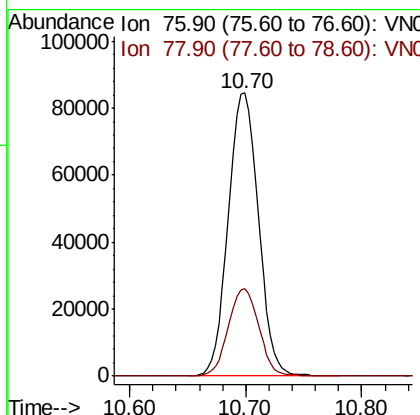
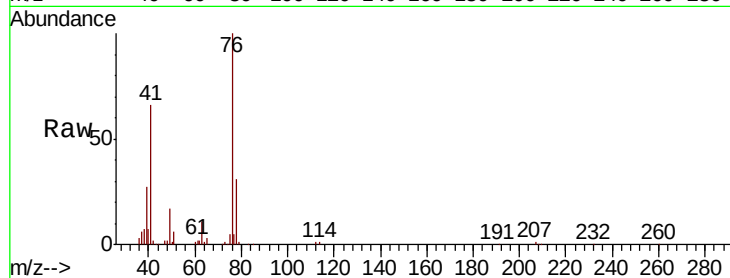
#57
 1,3-Dichloropropane
 Concen: 29.846 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Tot Ion: 76 Resp: 152179
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.8 38.8

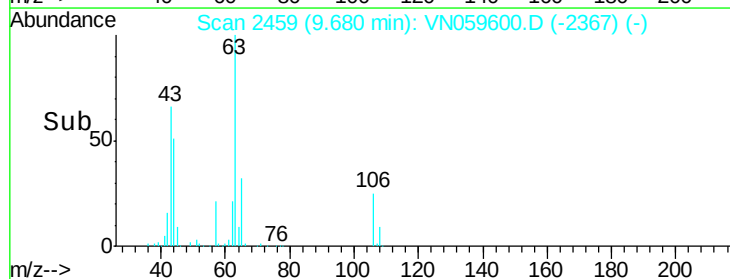
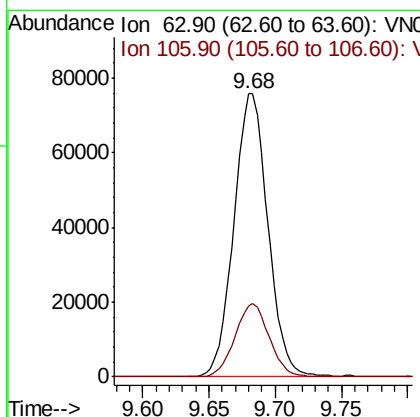
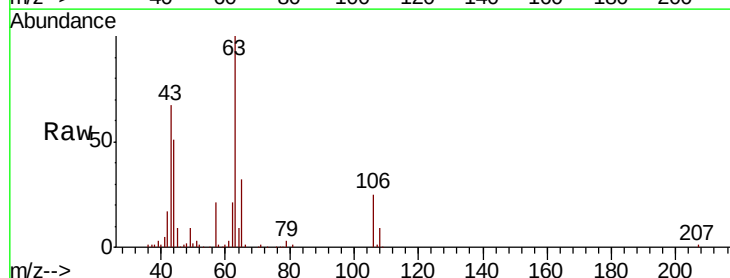
Manual Integrations
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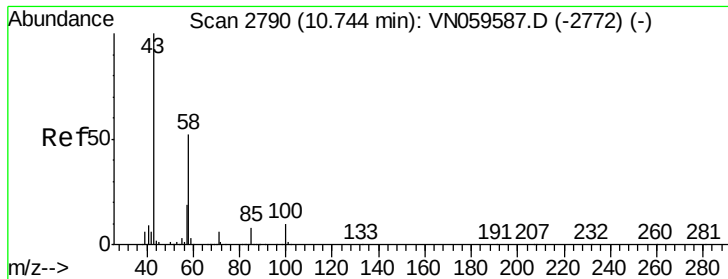
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.836 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion: 63 Resp: 135270
 Ion Ratio Lower Upper
 63 100
 106 26.0 20.2 30.2





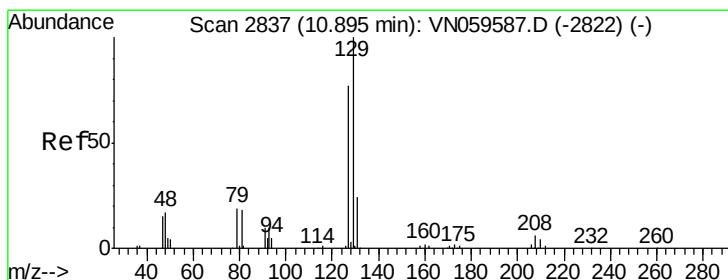
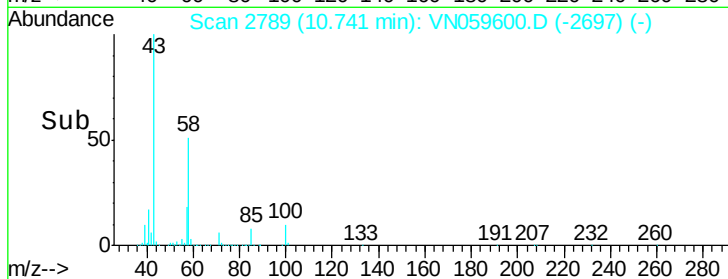
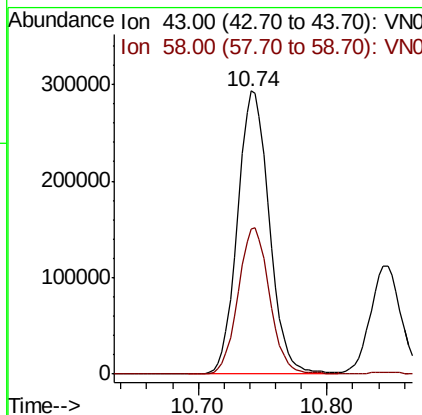
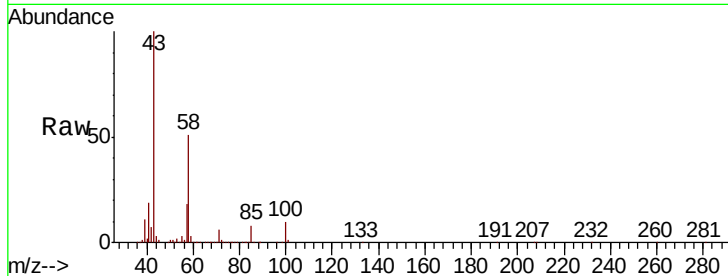
#59
2-Hexanone
Concen: 142.363 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.8	77.3

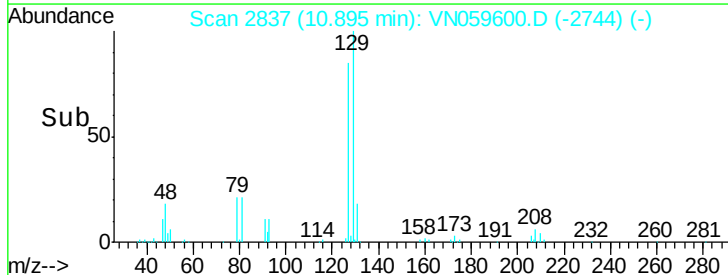
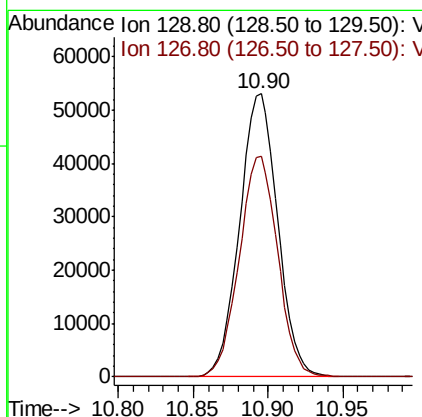
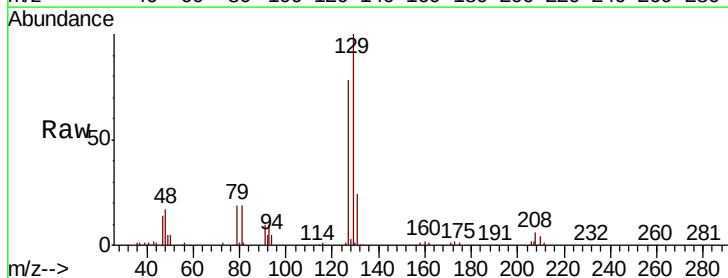
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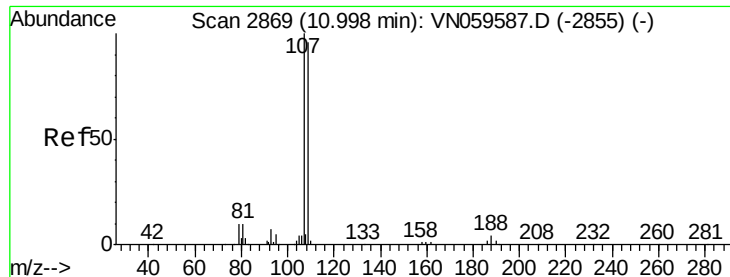
apatel
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#60
Dibromochloromethane
Concen: 29.478 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.5	115.5





#61

1,2-Dibromoethane

Concen: 29.000 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion:107 Resp: 90066

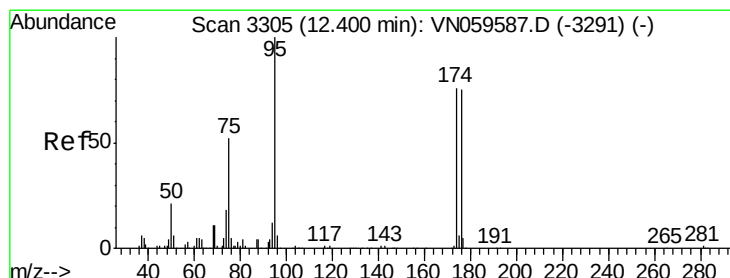
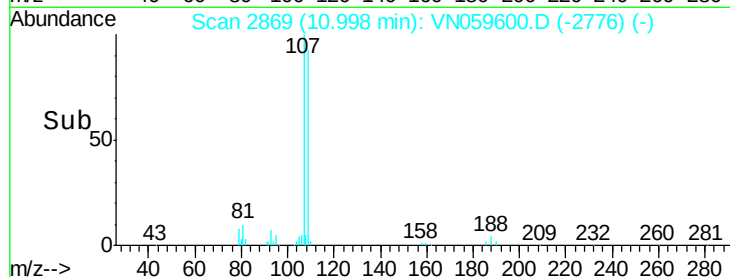
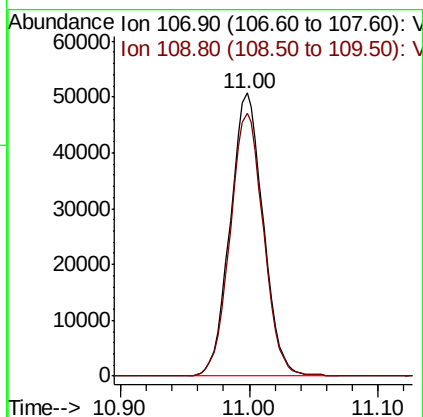
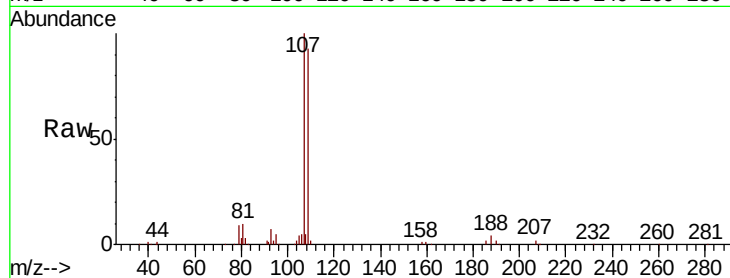
Ion Ratio Lower Upper

107 100

109 94.0 76.6 115.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 45.348 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

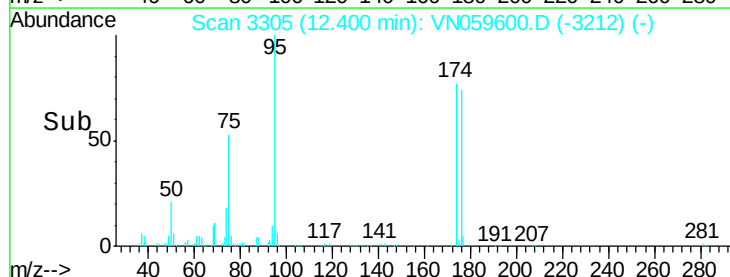
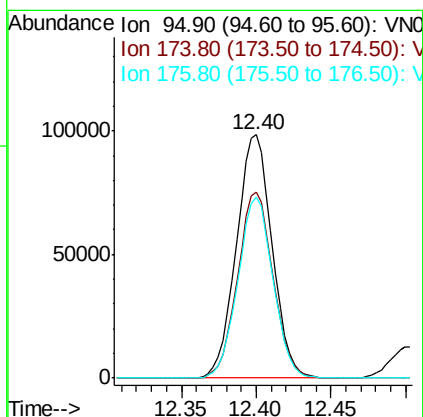
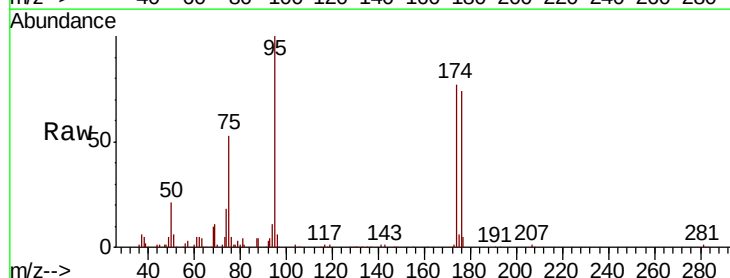
Tgt Ion: 95 Resp: 163356

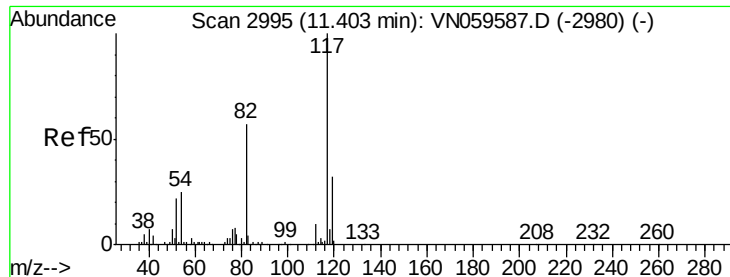
Ion Ratio Lower Upper

95 100

174 76.0 0.0 151.4

176 73.2 0.0 146.0





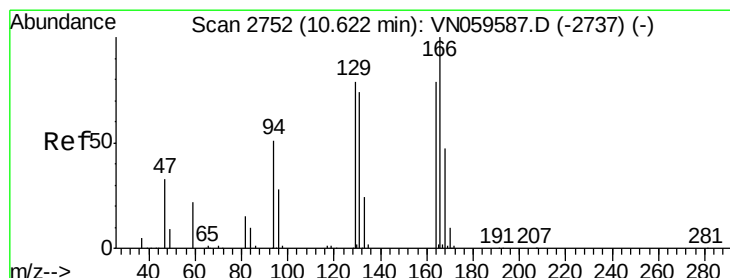
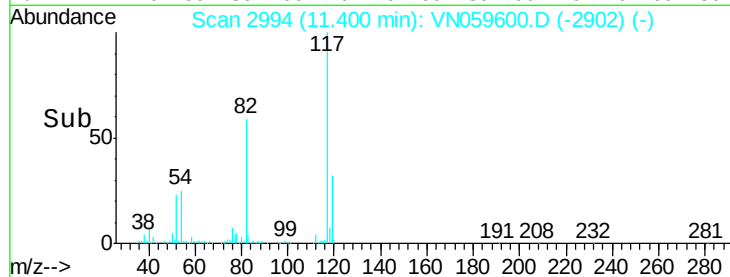
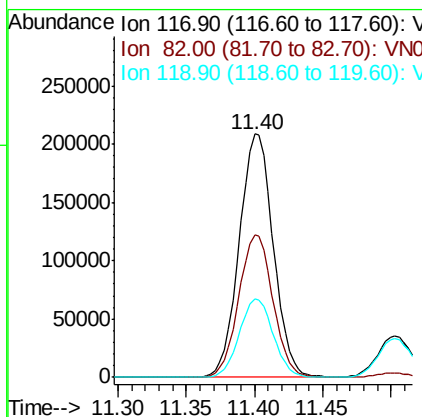
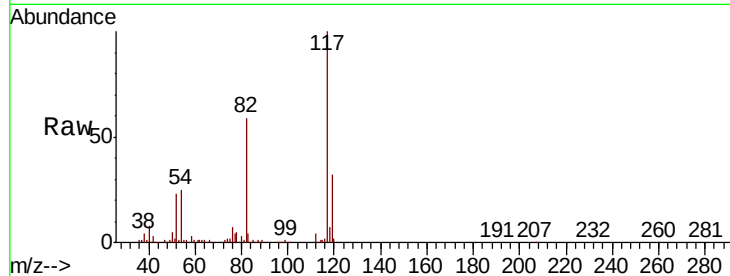
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	45.9	68.9
119	32.0	25.5	38.3

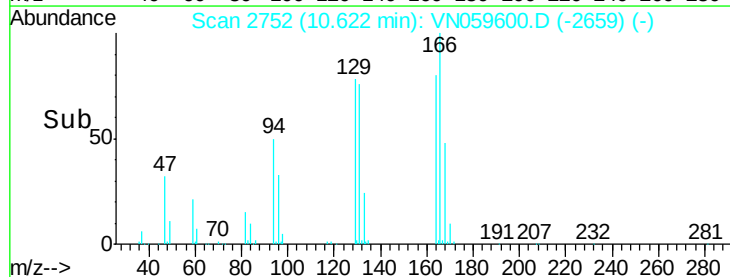
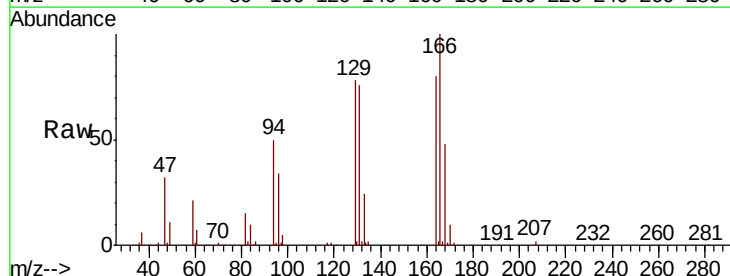
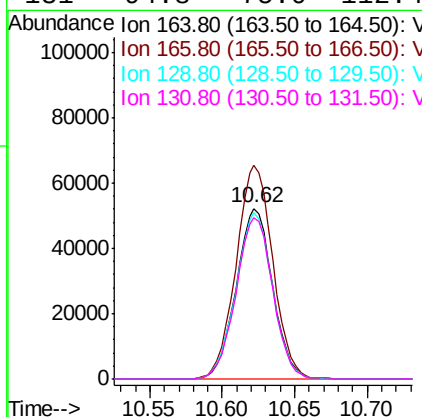
Manual Integrations
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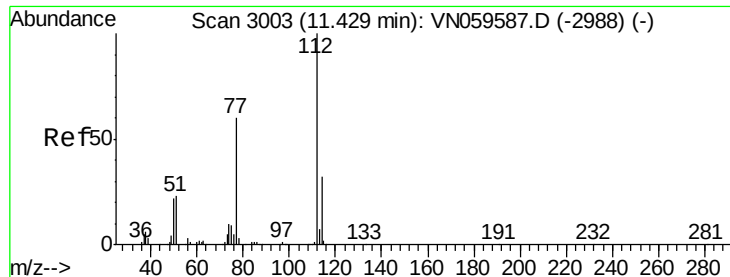
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#64
Tetrachloroethene
Concen: 26.954 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.4	101.4	152.0
129	97.5	80.2	120.4
131	94.8	75.0	112.4





#65

Chlorobenzene

Concen: 29.609 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion:112 Resp: 232396

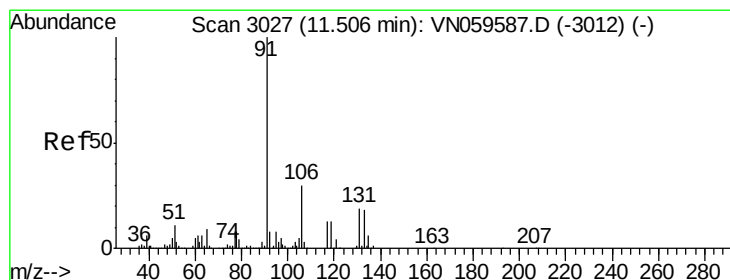
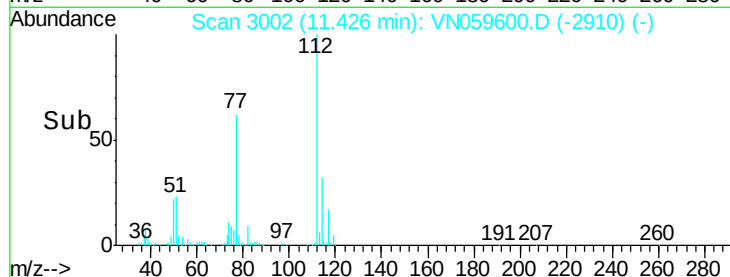
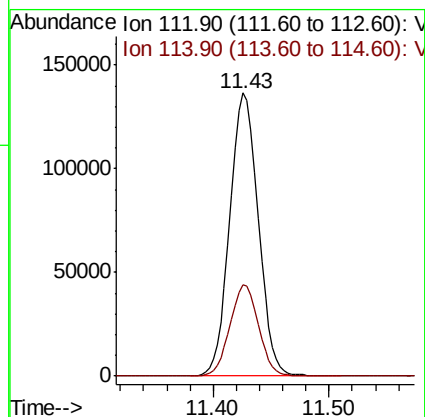
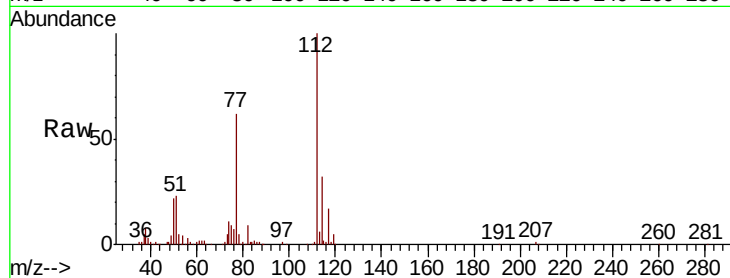
Ion Ratio Lower Upper

112 100

114 32.3 25.8 38.8

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#66

1,1,1,2-Tetrachloroethane

Concen: 29.241 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

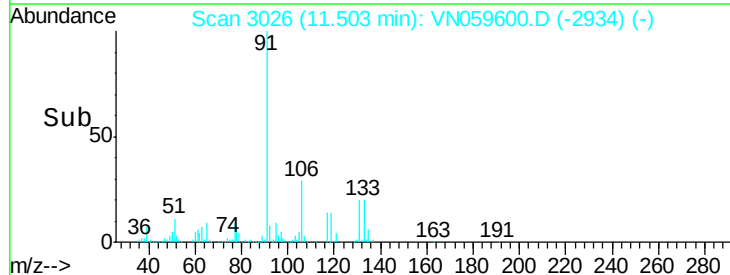
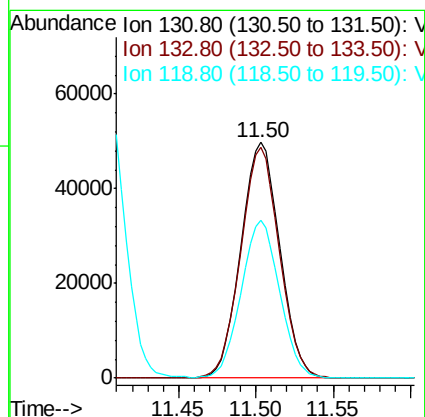
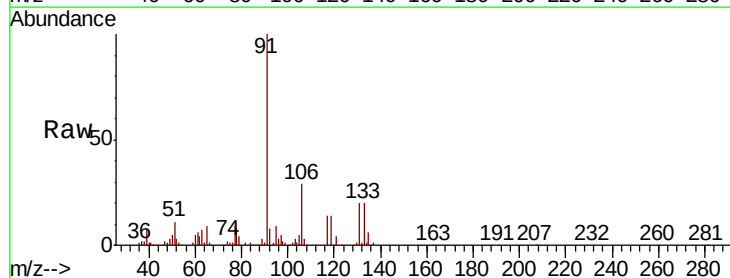
Tgt Ion:131 Resp: 87175

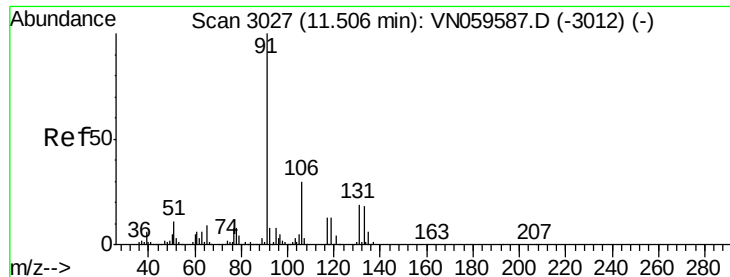
Ion Ratio Lower Upper

131 100

133 97.3 47.4 142.2

119 66.1 33.1 99.3





#67

Ethyl Benzene

Concen: 29.921 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion: 91 Resp: 423907

Ion Ratio Lower Upper

91 100

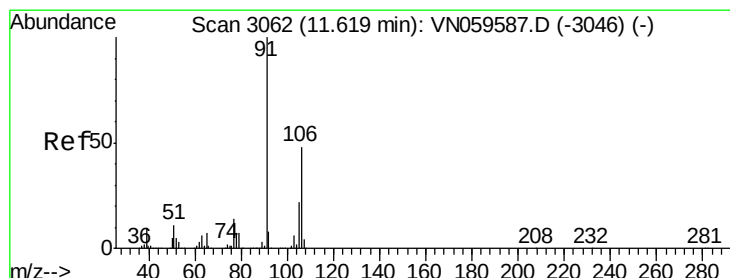
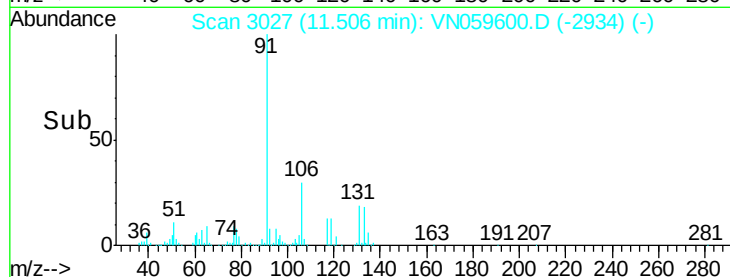
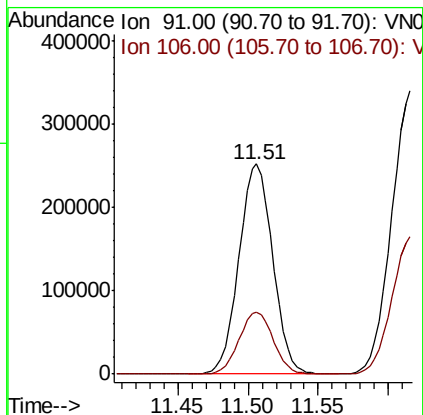
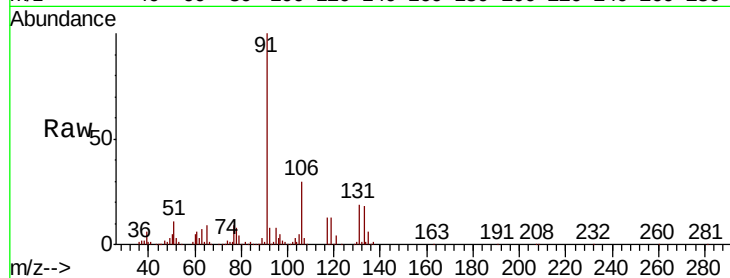
106 29.7 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 60.431 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059600.D

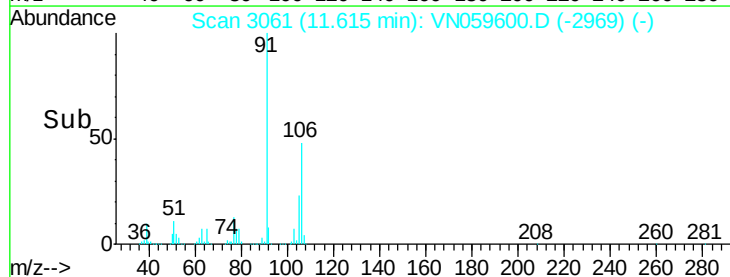
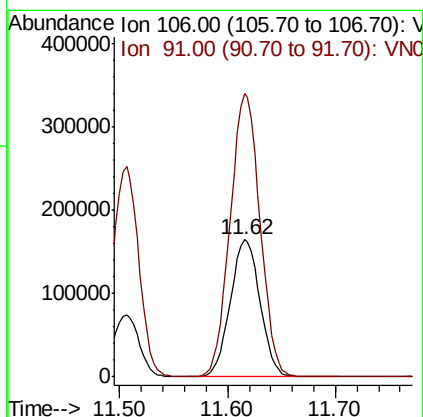
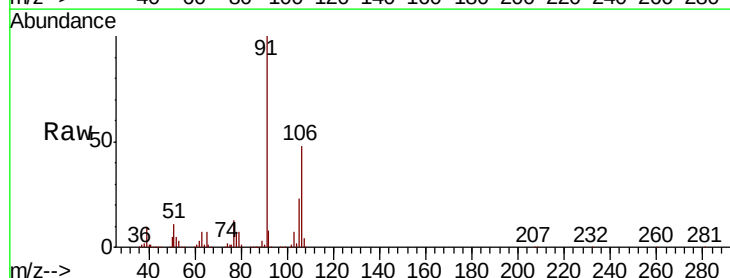
Acq: 16 Dec 2019 14:10

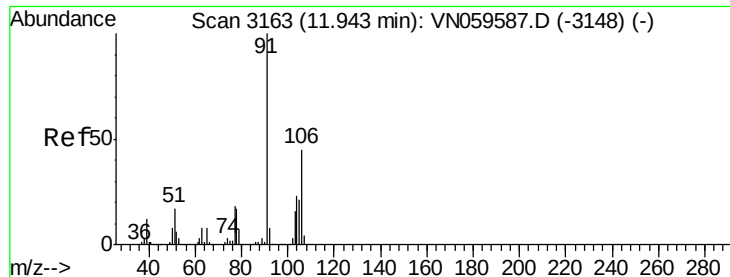
Tgt Ion: 106 Resp: 316150

Ion Ratio Lower Upper

106 100

91 207.4 167.9 251.9





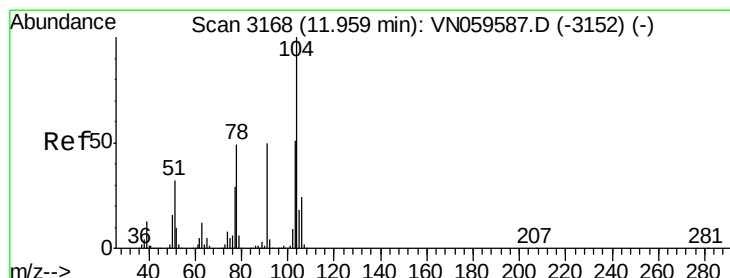
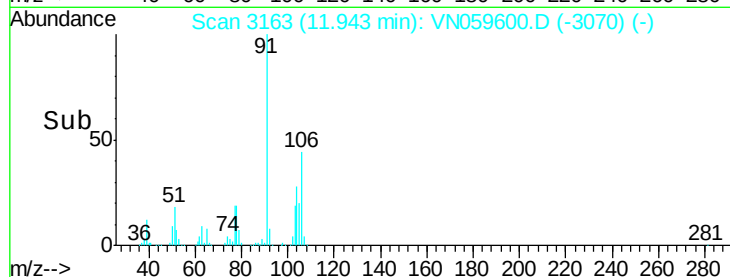
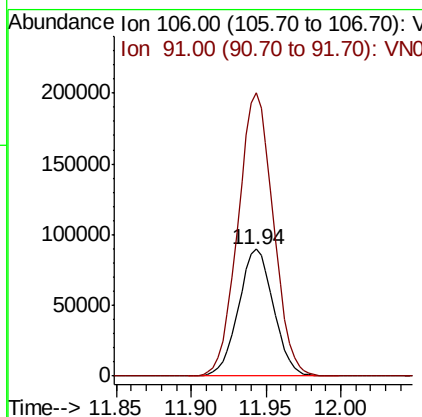
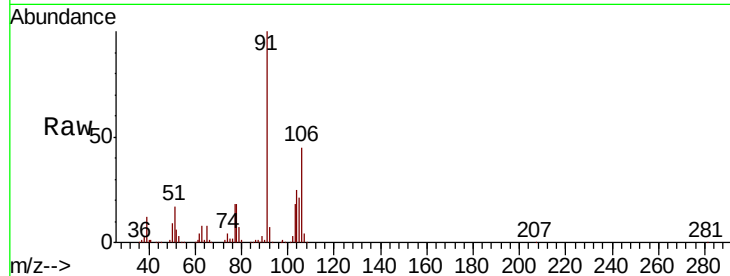
#69
o-Xylene
Concen: 29.417 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	146435		
91	91	224.8	110.3	330.9	

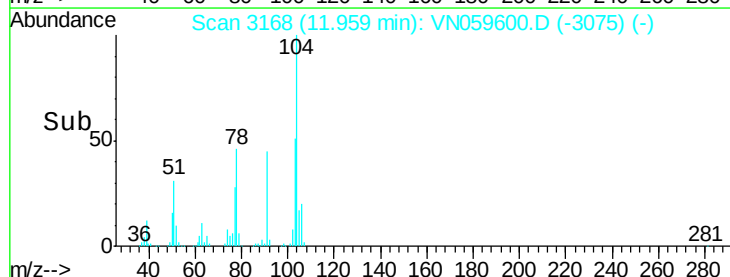
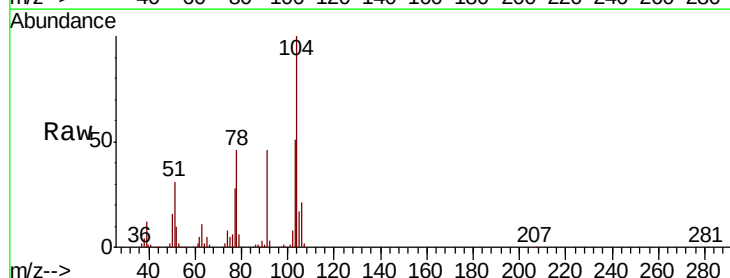
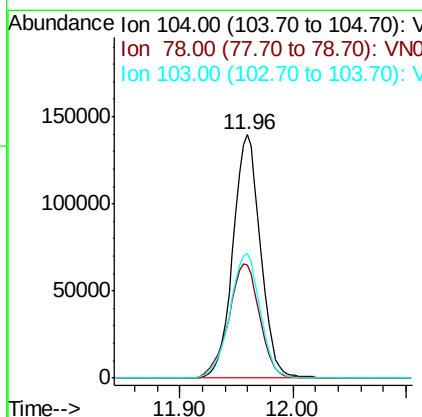
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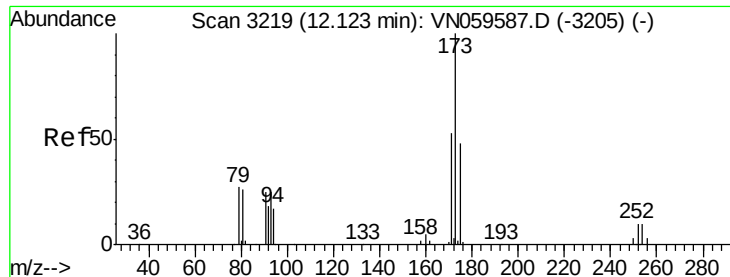
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#70
Styrene
Concen: 29.576 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	236545		
78	78	53.2	42.4	63.6	
103	103	56.5	43.9	65.9	





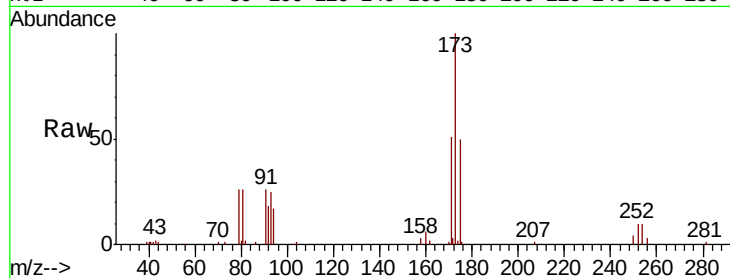
#71
Bromoform
Concen: 29.392 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	23.8	71.4
254	0.0	0.0	0.0

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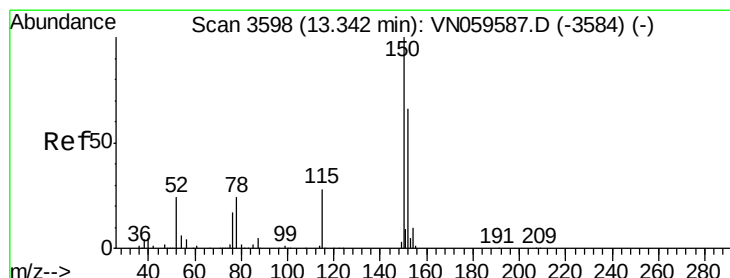
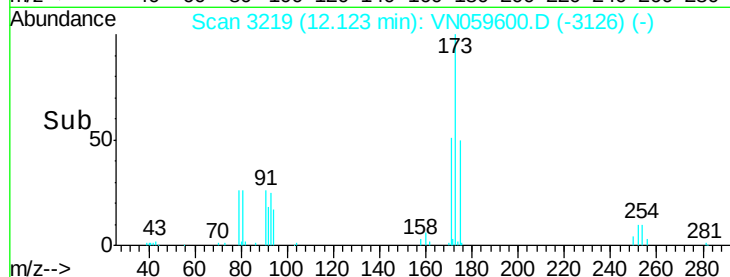
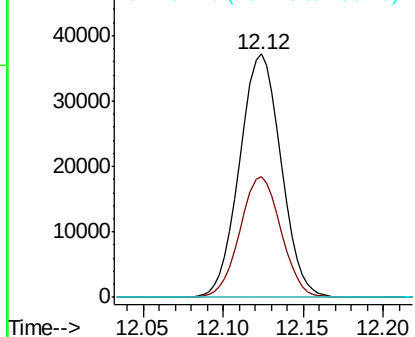


Abundance

Ion 172.70 (172.40 to 173.40): V

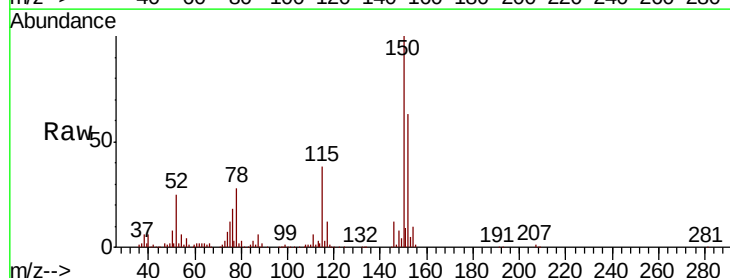
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.3	90.9
150	167.8	0.0	345.2

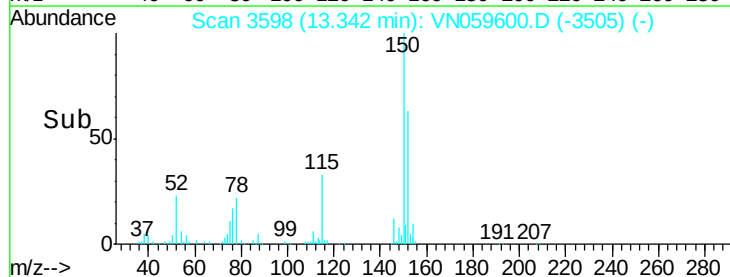
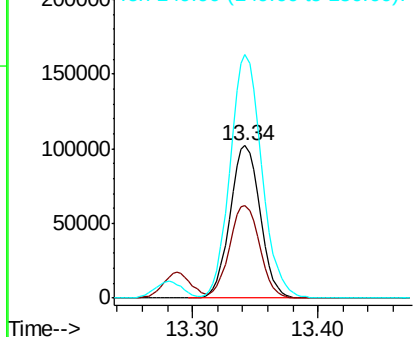


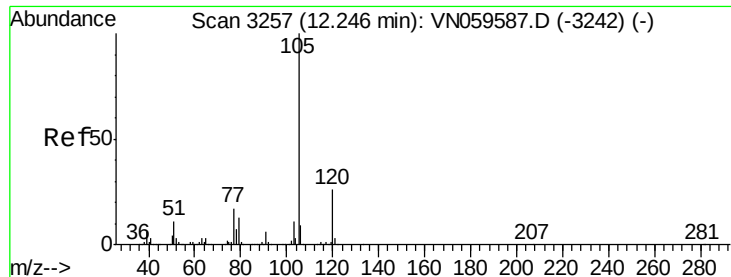
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 30.513 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion: 105 Resp: 408108

Ion Ratio Lower Upper

105 100

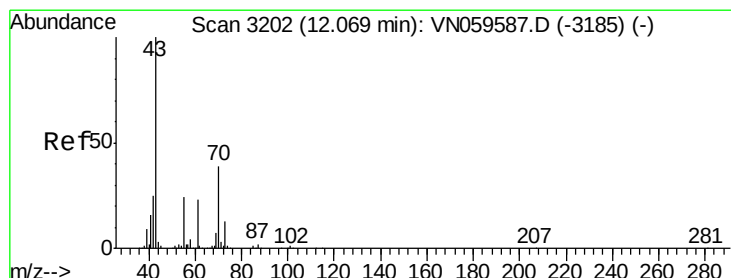
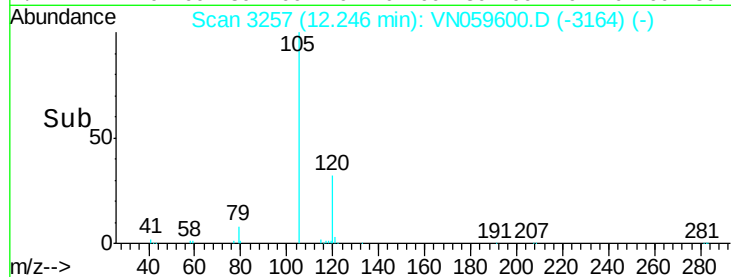
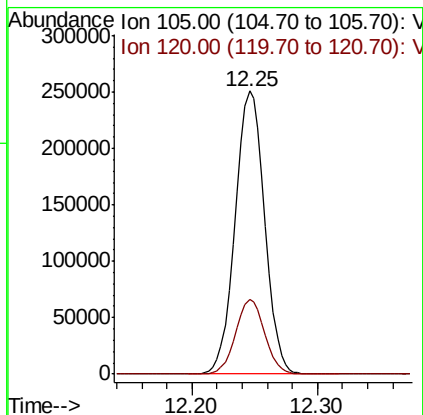
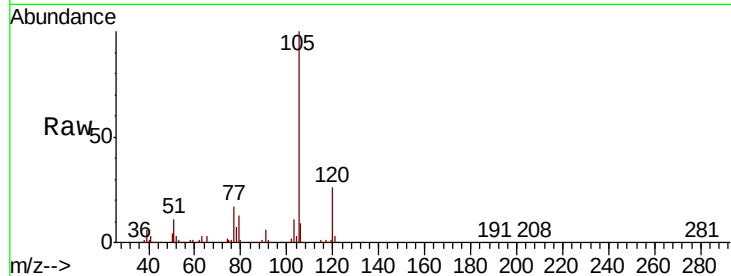
120 26.0 13.2 39.5

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#74

N-ethyl acetate

Concen: 28.839 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion: 43 Resp: 176933

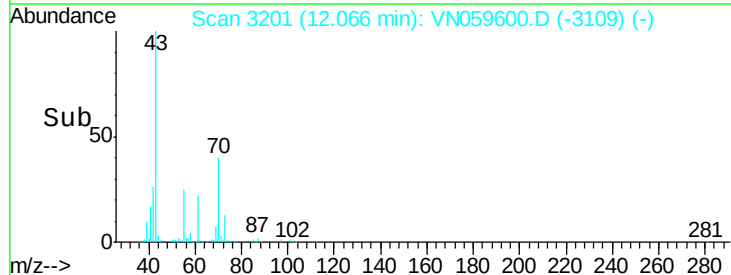
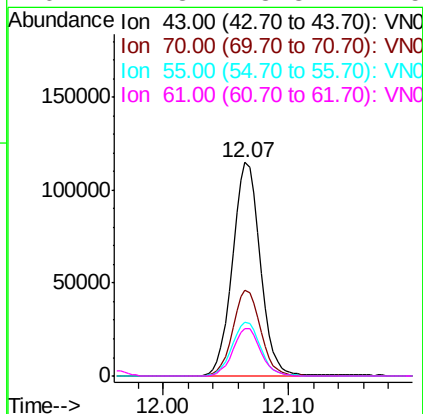
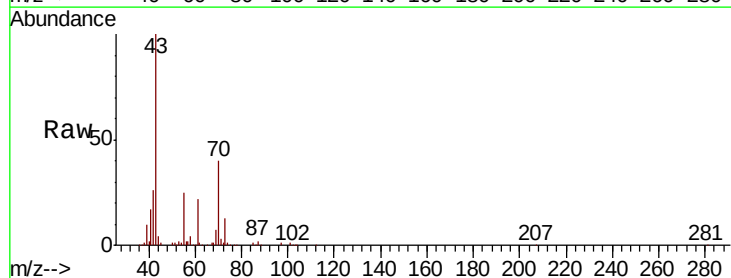
Ion Ratio Lower Upper

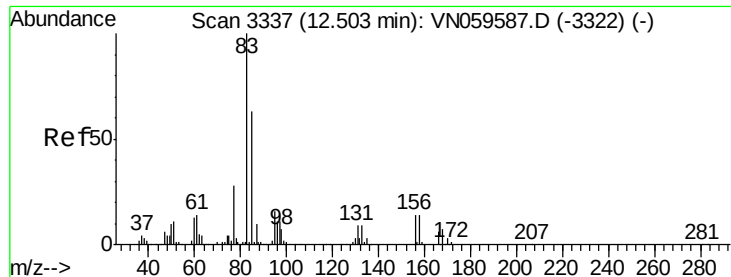
43 100

70 40.4 31.3 46.9

55 25.8 19.8 29.6

61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 28.701 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

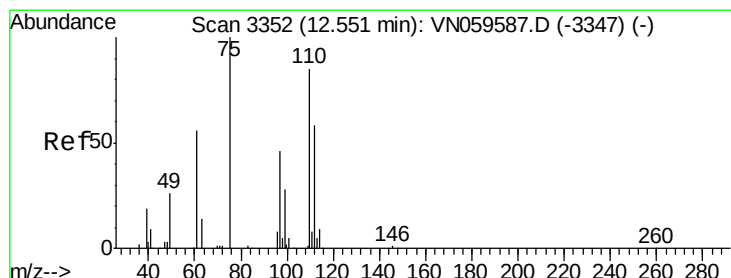
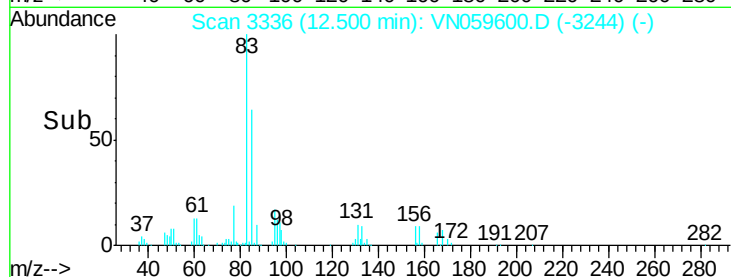
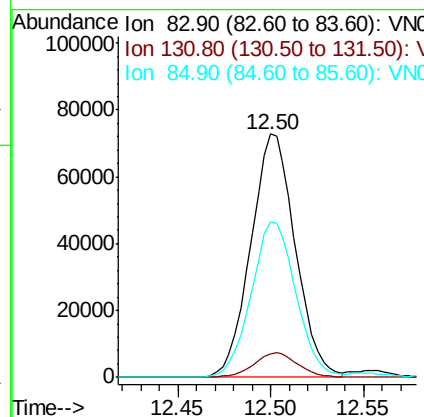
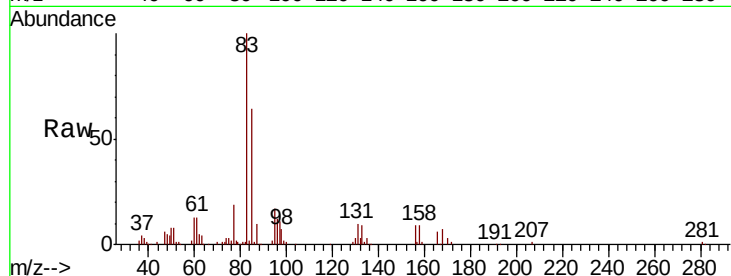
ClientSampleId :

VN1216WBS02

Tot Ion:	83	Resp:	121772
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.0	14.9
85	64.5	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 30.404 ug/l m

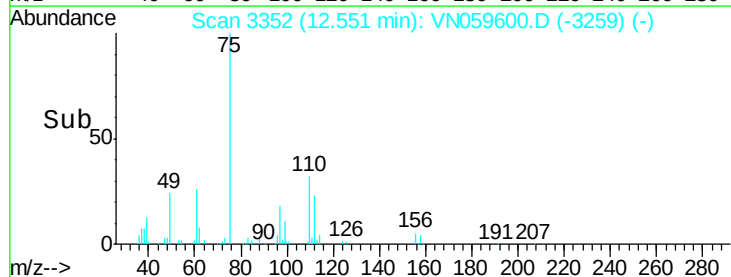
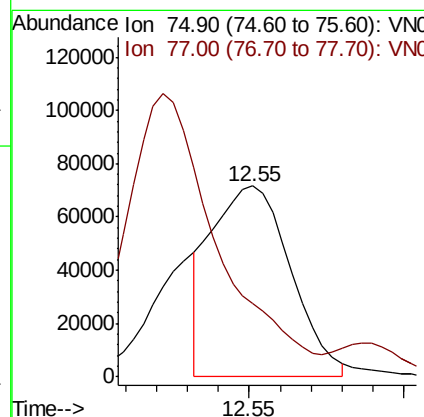
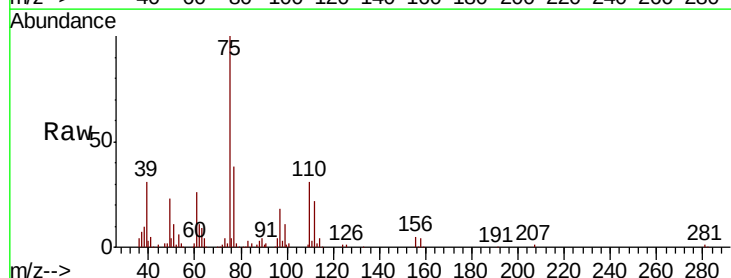
RT: 12.55 min Scan# 3352

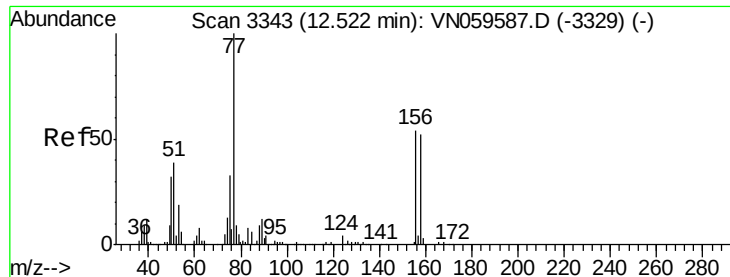
Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion:	75	Resp:	128243
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 29.015 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion:156 Resp: 95438

Ion Ratio Lower Upper

156 100

77 231.2 115.8 347.4

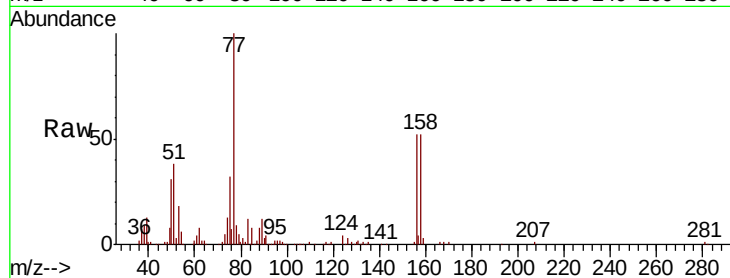
158 98.3 49.2 147.6

Manual Integrations

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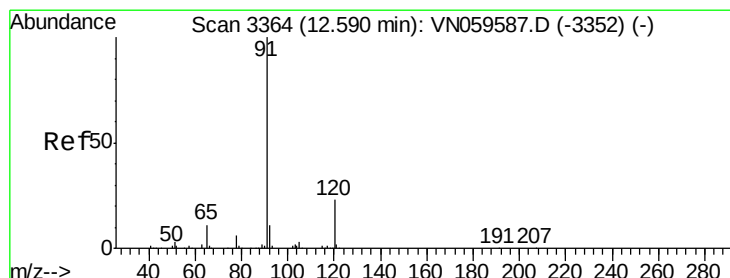
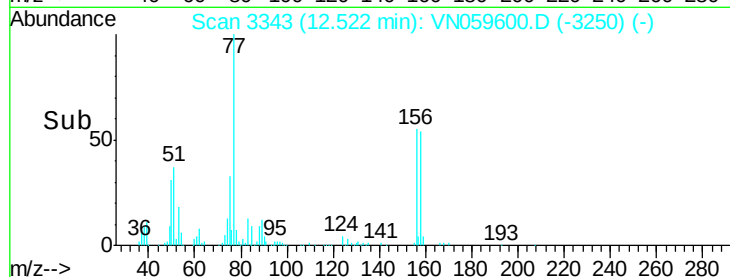
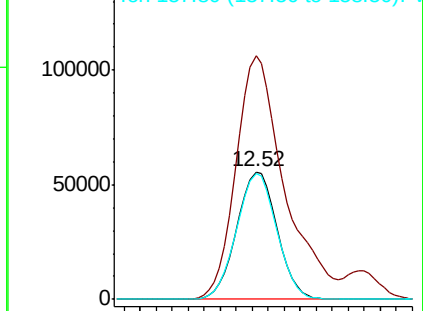
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 30.136 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059600.D

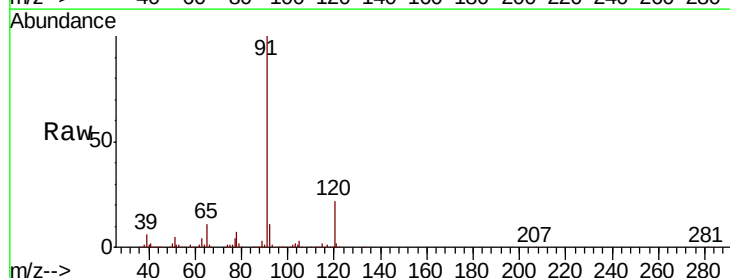
Acq: 16 Dec 2019 14:10

Tgt Ion: 91 Resp: 476471

Ion Ratio Lower Upper

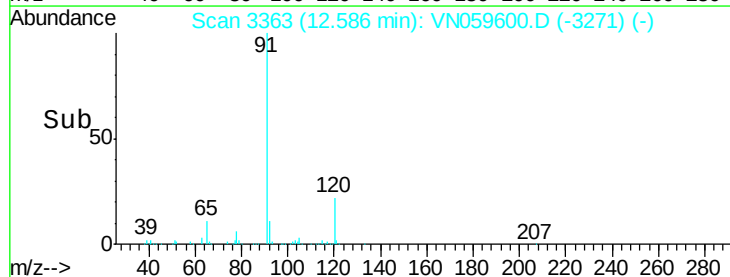
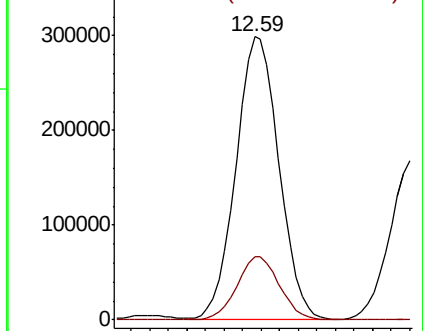
91 100

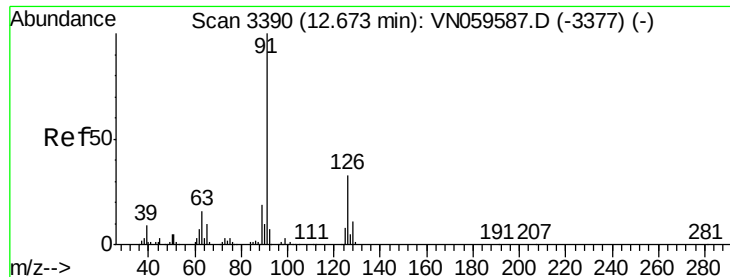
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 29.215 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion: 91 Resp: 279304

Ion Ratio Lower Upper

91 100

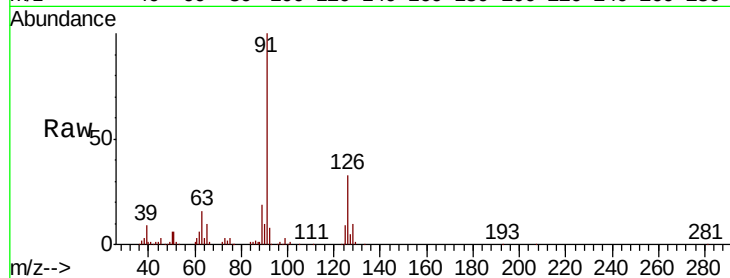
126 33.3 16.3 48.9

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Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)

Ion 125.90 (125.60 to 126.60): VN059587.D (-3377) (-)

250000

200000

150000

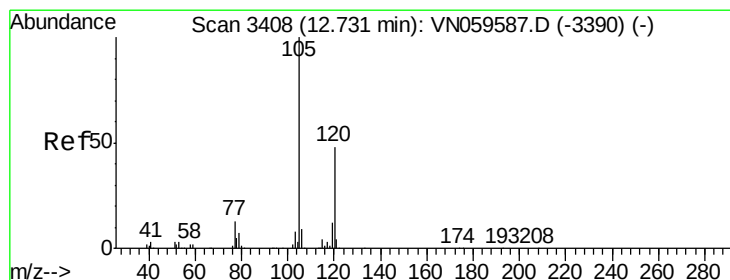
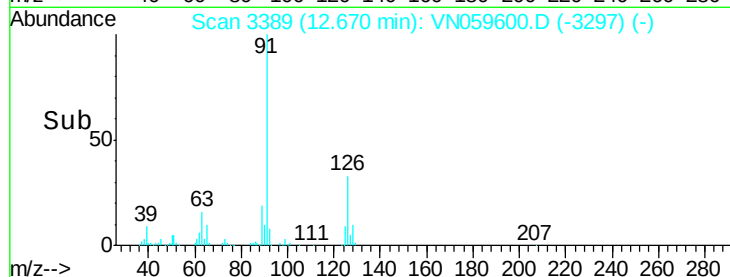
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 30.393 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059600.D

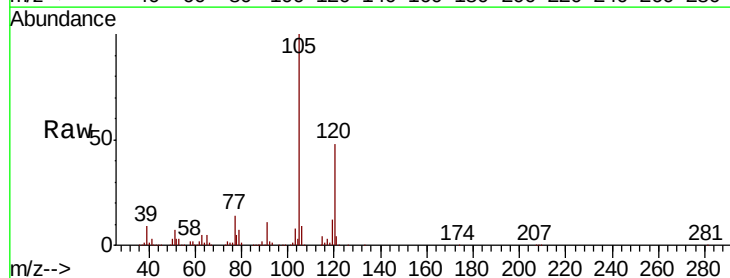
Acq: 16 Dec 2019 14:10

Tgt Ion: 105 Resp: 344009

Ion Ratio Lower Upper

105 100

120 47.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN059587.D (-3390) (-)

250000

200000

150000

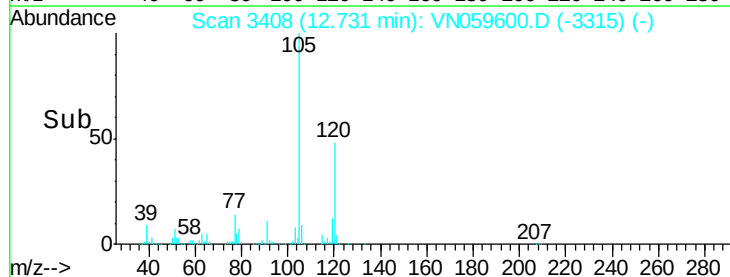
100000

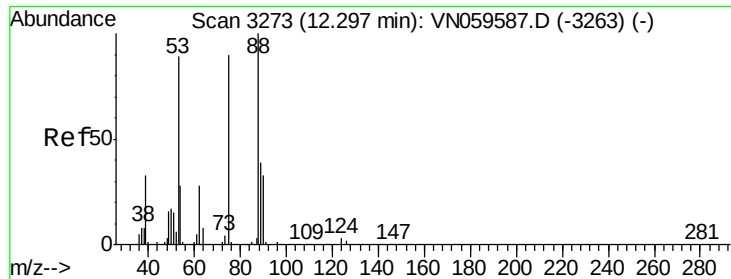
50000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 28.241 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

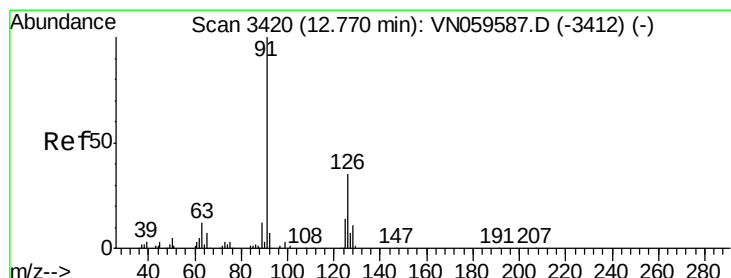
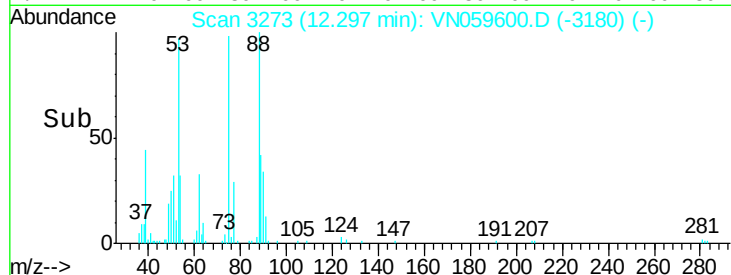
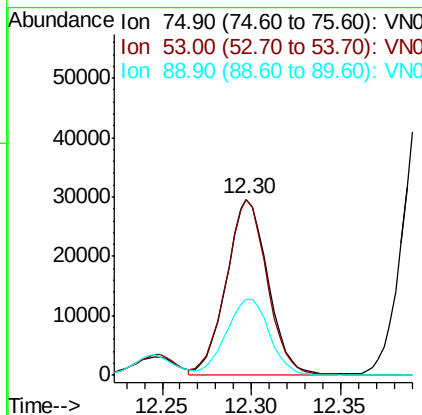
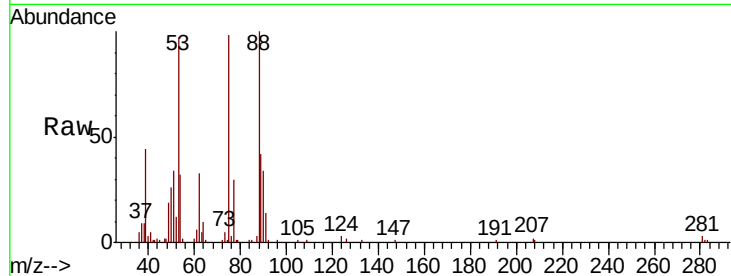
ClientSampleId :

VN1216WBS02

Tot Ion:	75	Resp:	48228
Ion	Ratio	Lower	Upper
75	100		
53	98.4	78.1	117.1
89	44.8	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 29.611 ug/l

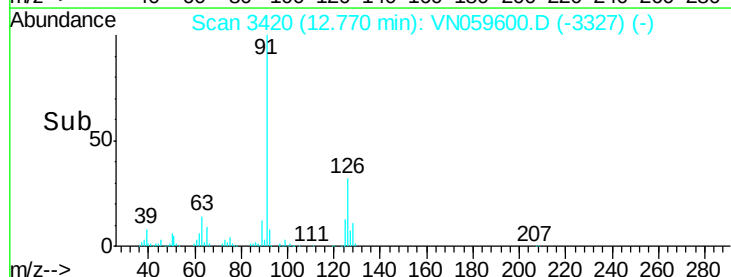
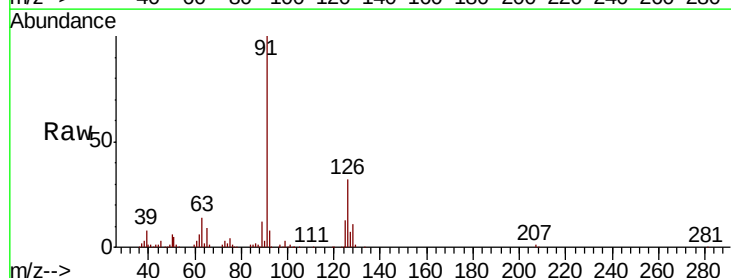
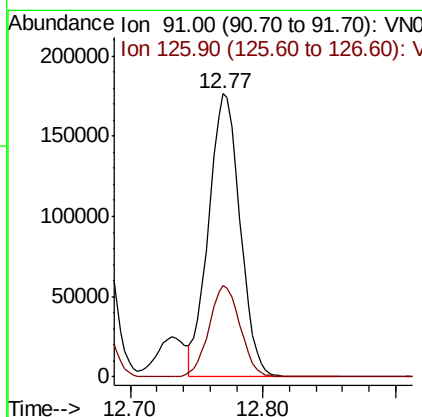
RT: 12.77 min Scan# 3420

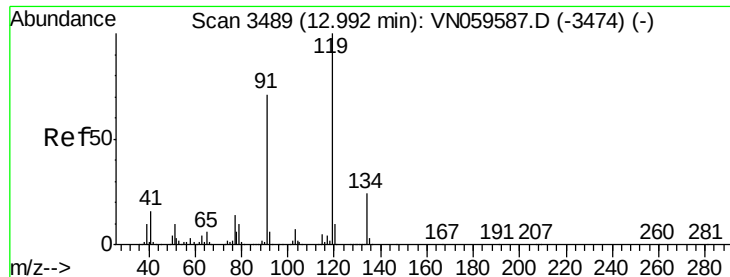
Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion:	91	Resp:	289853
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.3	48.8





#83

tert-Butylbenzene

Concen: 29.803 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

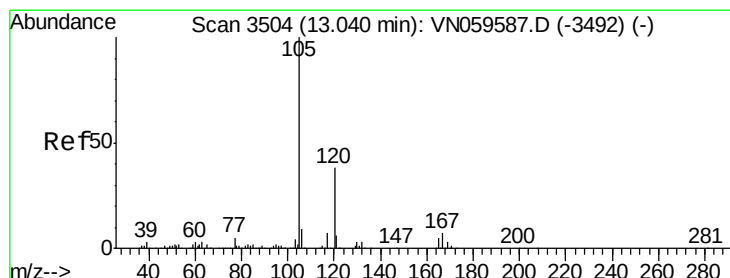
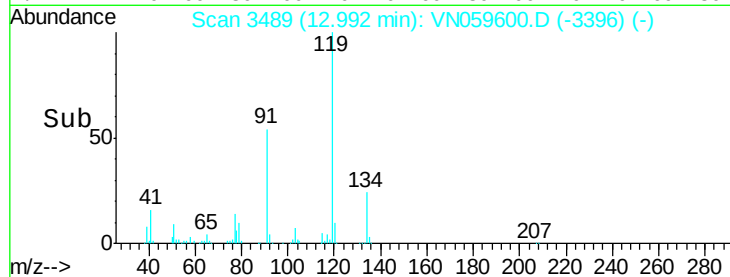
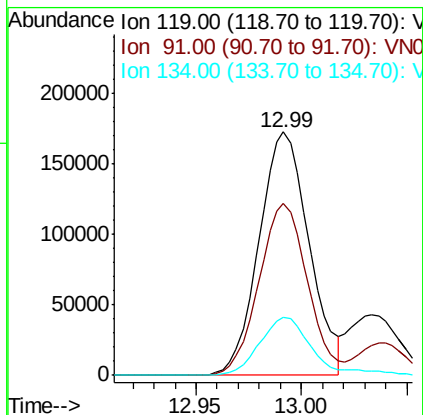
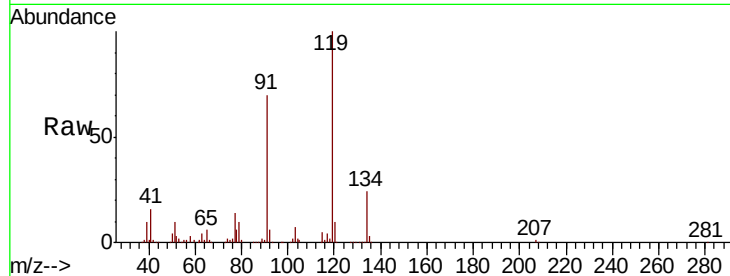
ClientSampleId :

VN1216WBS02

Tot Ion:	119	Resp:	285674
Ion Ratio	Lower	Upper	
119	100		
91	68.8	34.8	104.4
134	25.1	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 30.352 ug/l

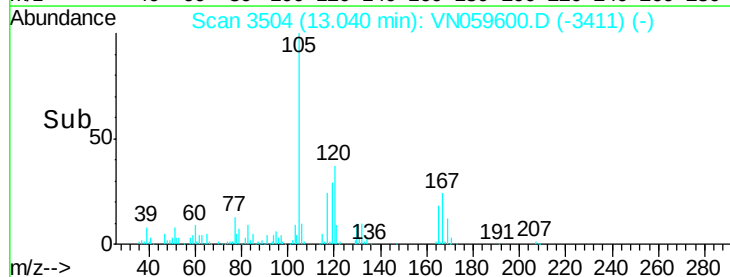
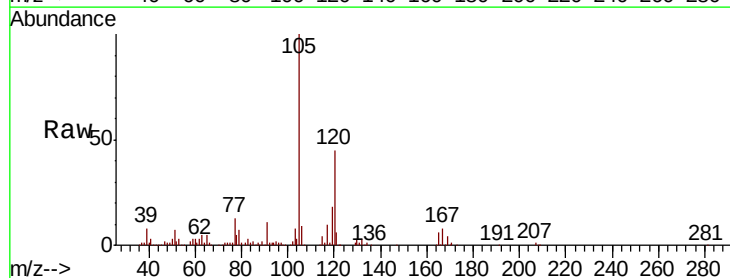
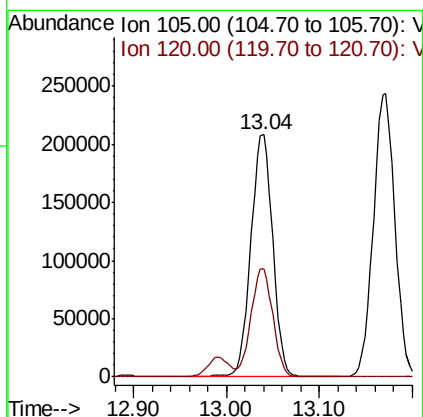
RT: 13.04 min Scan# 3504

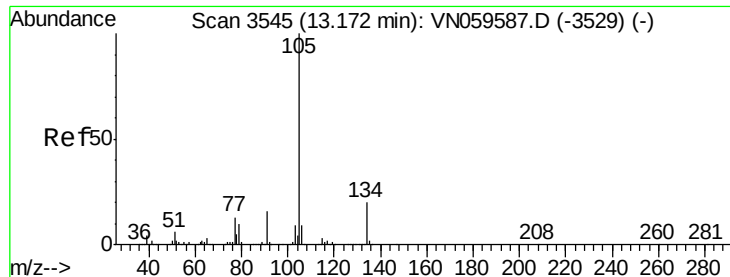
Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion:	105	Resp:	341601
Ion Ratio	Lower	Upper	
105	100		
120	44.2	22.3	66.9





#85

sec-Butylbenzene

Concen: 30.733 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

ClientSampleId :

VN1216WBS02

Tot Ion:105 Resp: 391865

Ion Ratio Lower Upper

105 100

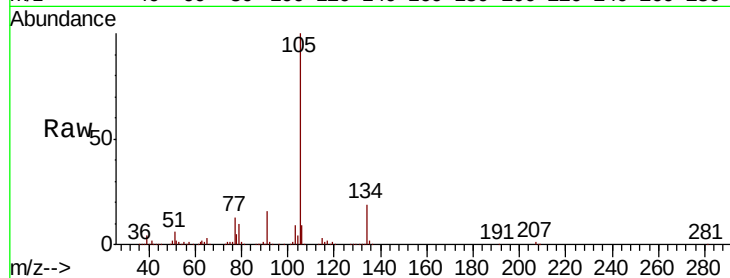
134 19.2 9.8 29.5

Manual Integrations

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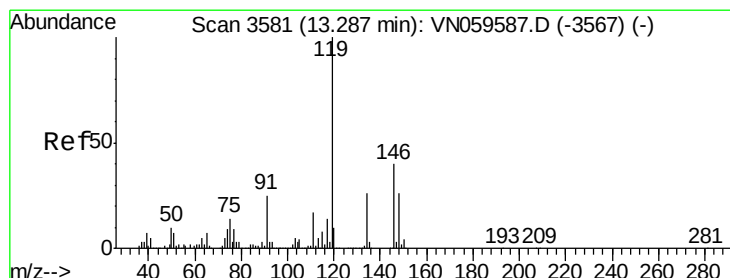
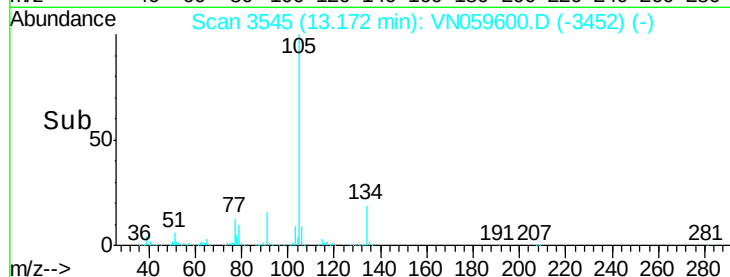
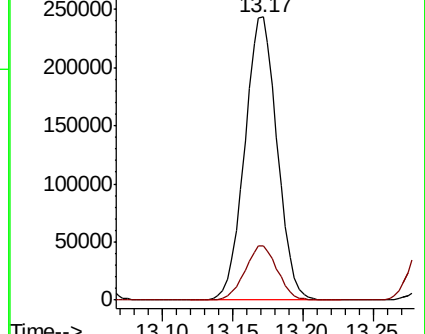
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 30.649 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

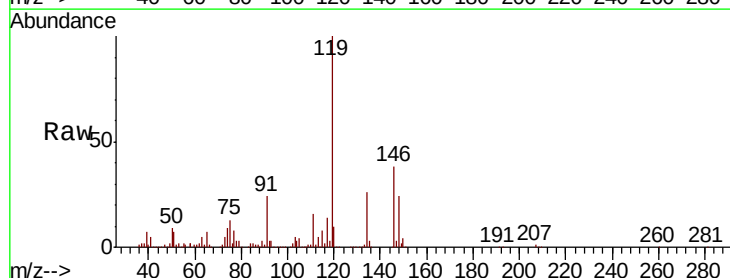
Tgt Ion:119 Resp: 353934

Ion Ratio Lower Upper

119 100

134 25.5 12.9 38.7

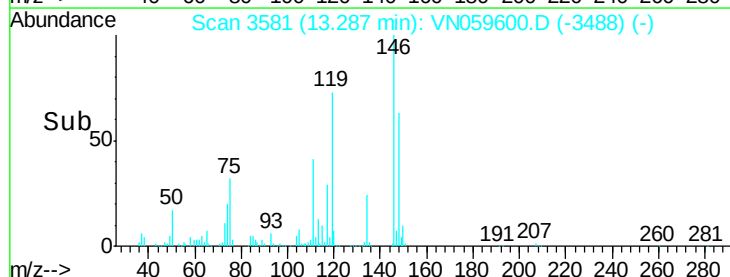
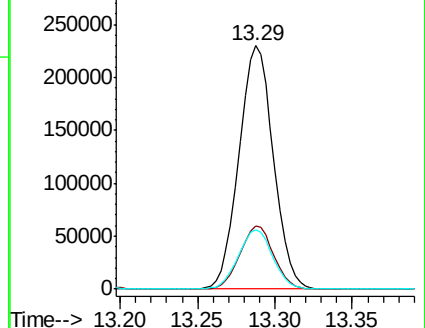
91 24.6 12.4 37.4

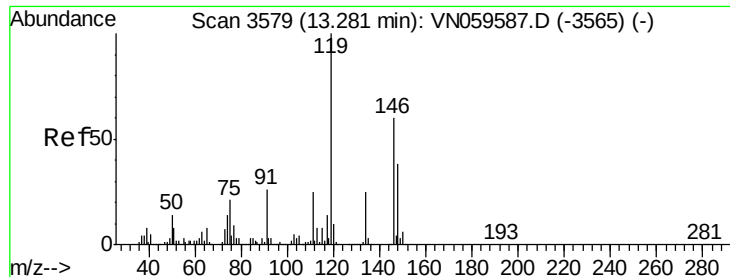


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





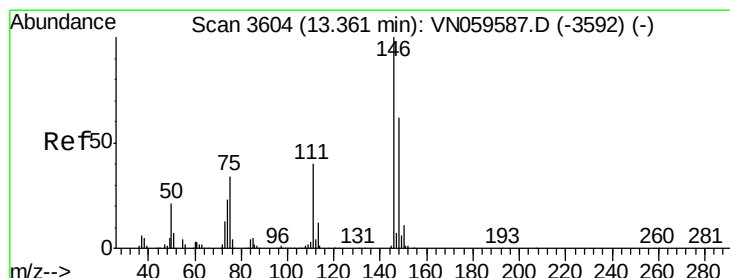
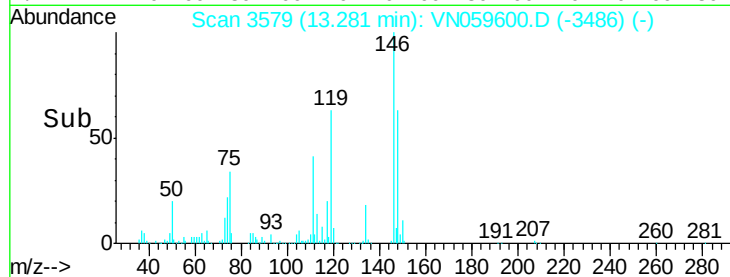
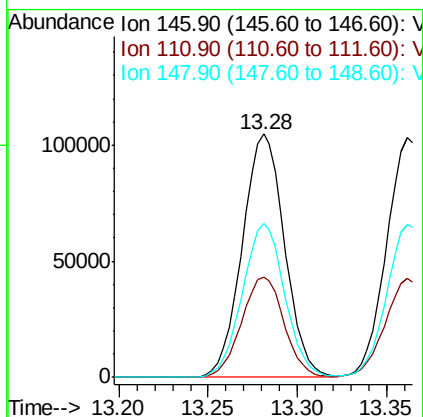
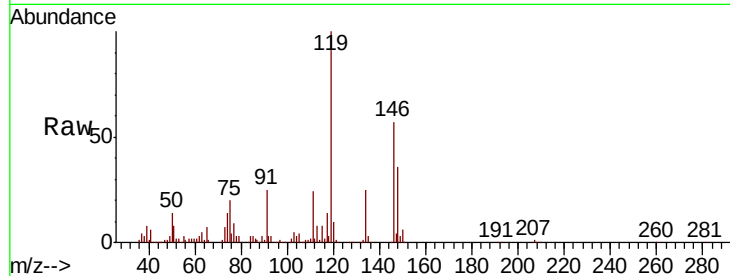
#87
 1,3-Dichlorobenzene
 Concen: 28.614 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.2
148	63.5	32.0	96.0

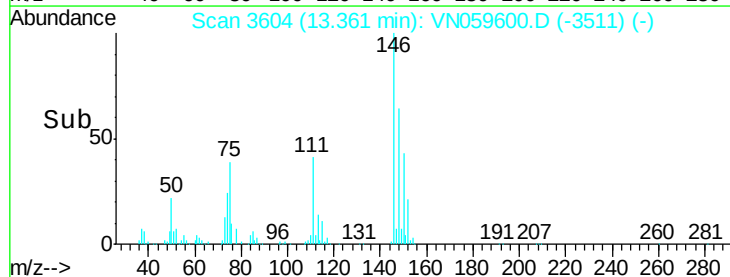
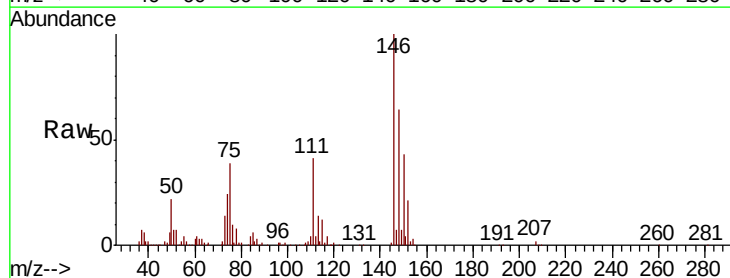
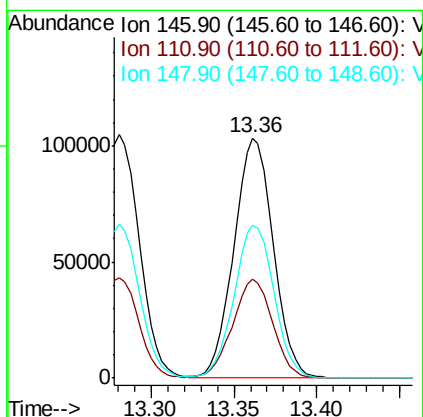
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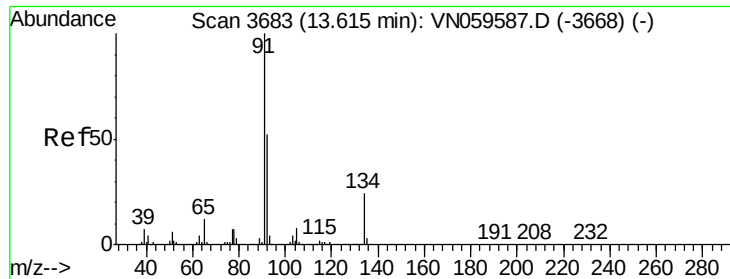
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#88
 1,4-Dichlorobenzene
 Concen: 27.841 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.8	62.2
148	64.5	31.8	95.4





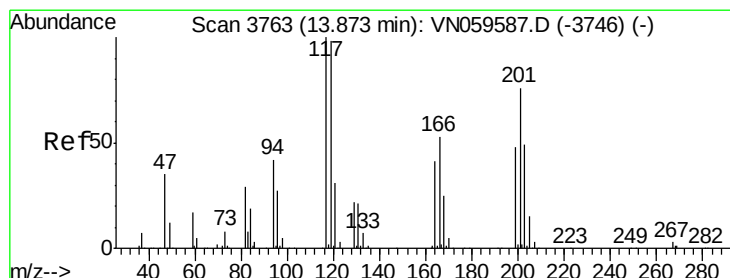
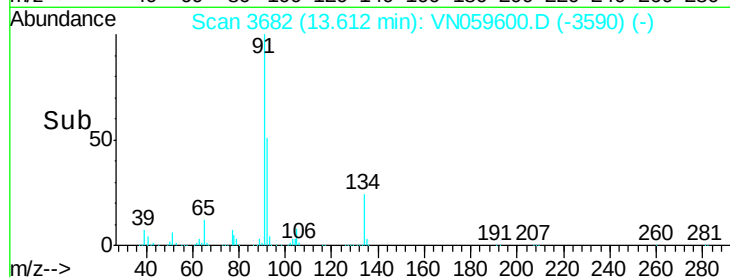
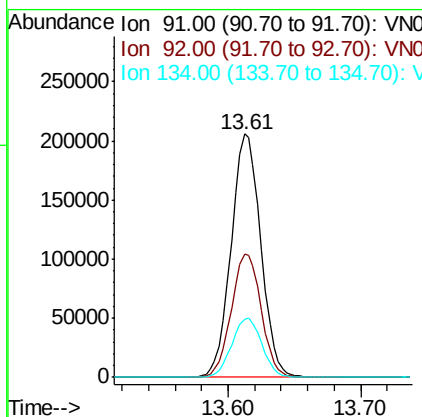
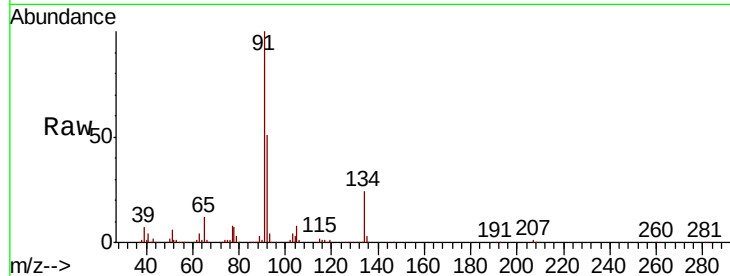
#89
n-Butylbenzene
Concen: 29.544 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.1	25.9	77.7
134	24.8	12.3	36.8

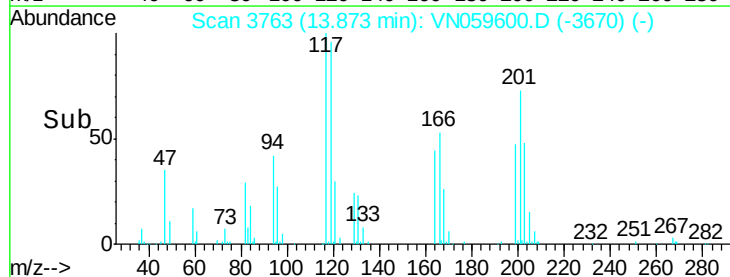
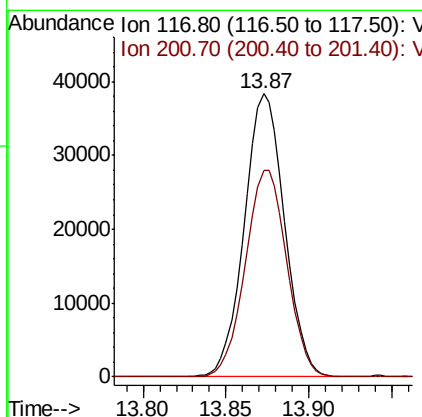
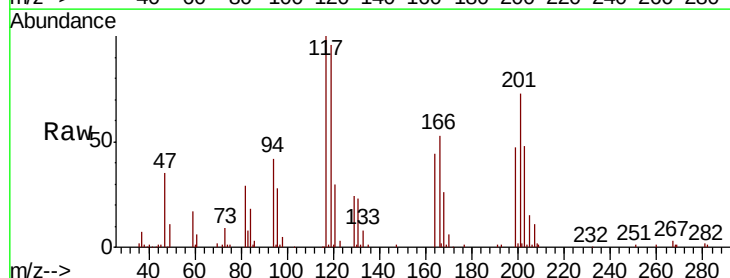
Manual Integrations
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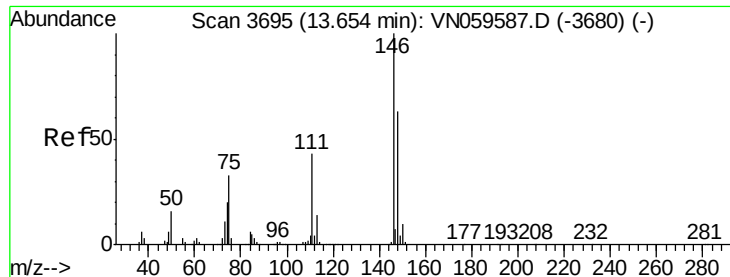
apatel
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#90
Hexachloroethane
Concen: 29.703 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.2	37.8	113.4





#91

1,2-Dichlorobenzene

Concen: 28.042 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Instrument :

MSVOA_N

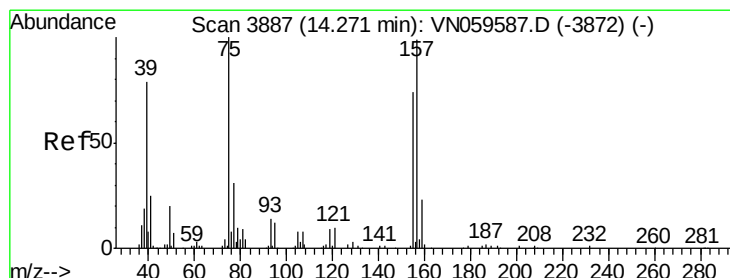
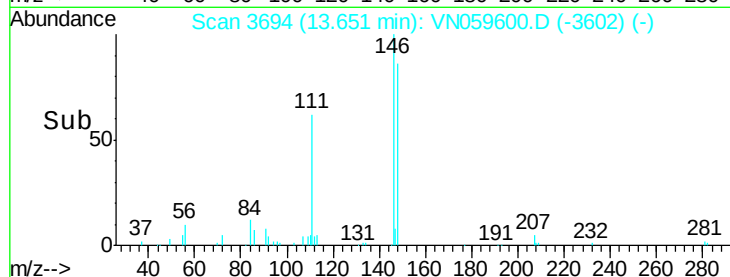
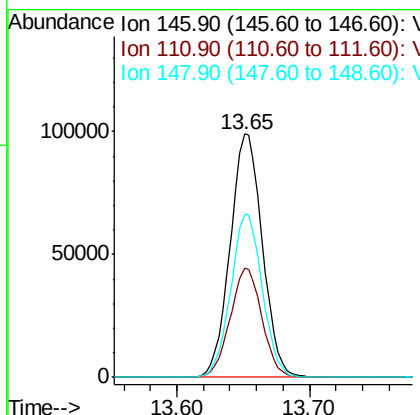
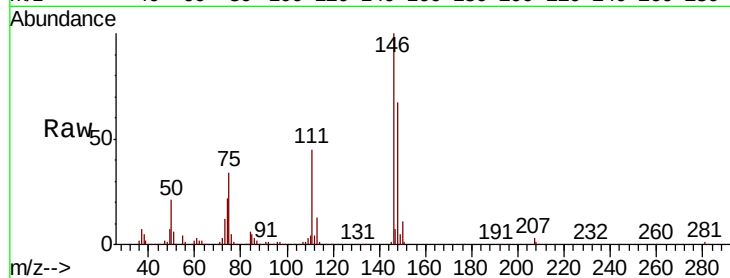
ClientSampleId :

VN1216WBS02

Tot Ion:	146	Resp:	167267
Ion Ratio	Lower	Upper	
146	100		
111	44.1	21.6	64.8
148	65.7	31.6	95.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 24.840 ug/l

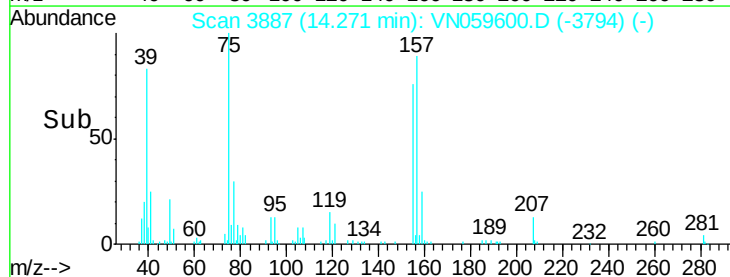
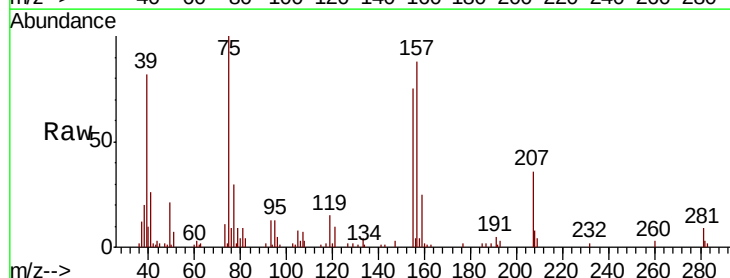
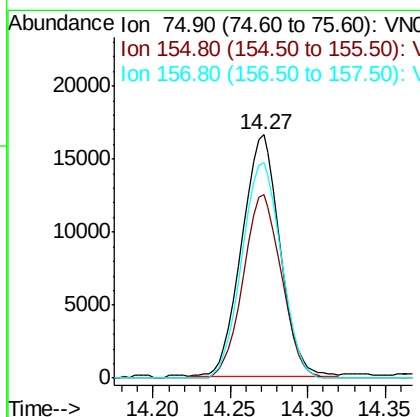
RT: 14.27 min Scan# 3887

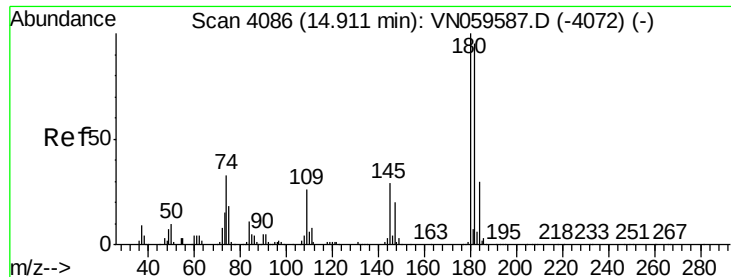
Delta R.T. 0.00 min

Lab File: VN059600.D

Acq: 16 Dec 2019 14:10

Tgt Ion:	75	Resp:	28274
Ion Ratio	Lower	Upper	
75	100		
155	76.6	37.0	110.9
157	92.2	48.4	145.2





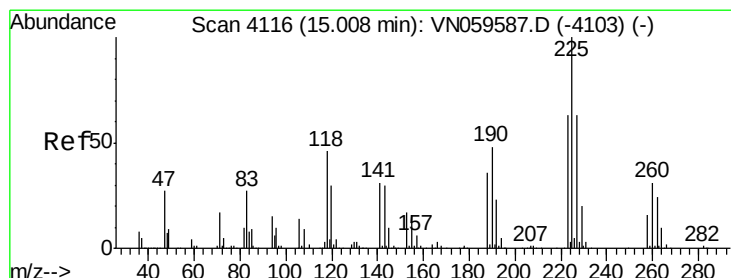
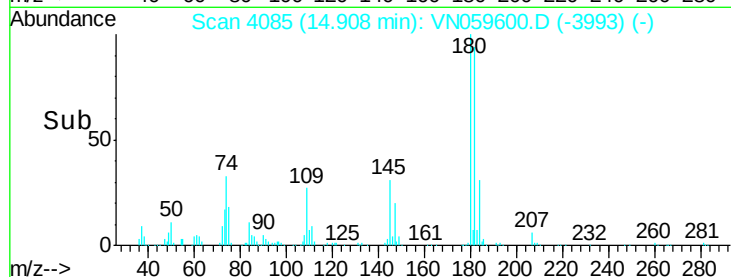
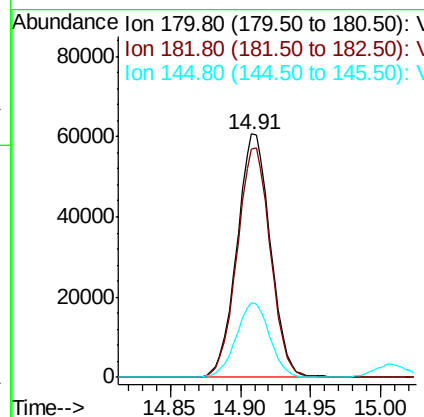
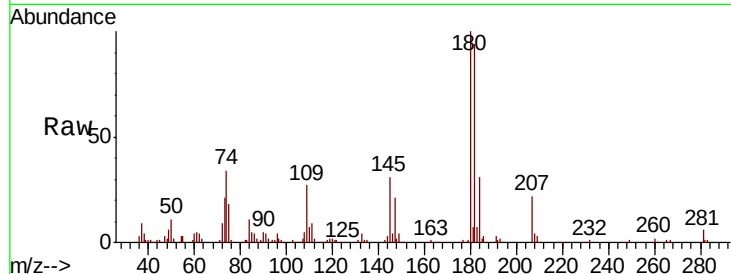
#93
 1,2,4-Trichlorobenzene
 Concen: 26.195 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1216WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	100897		
182	93.7	46.9	140.7	
145	30.7	15.0	45.1	

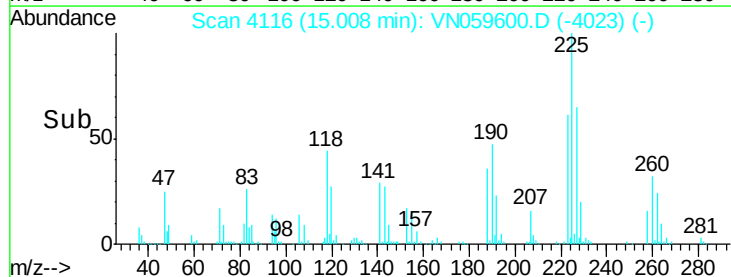
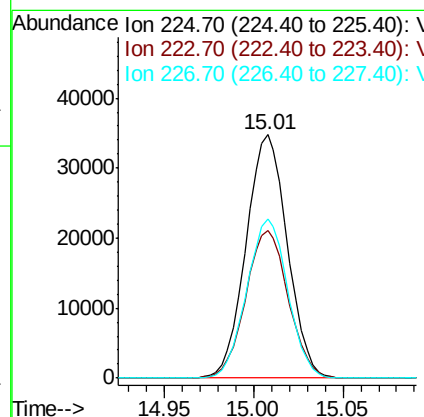
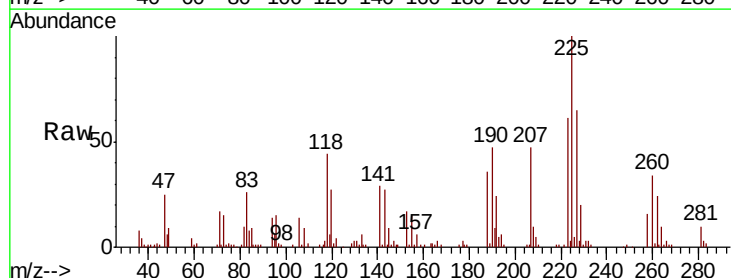
Manual Integrations
 APPROVED

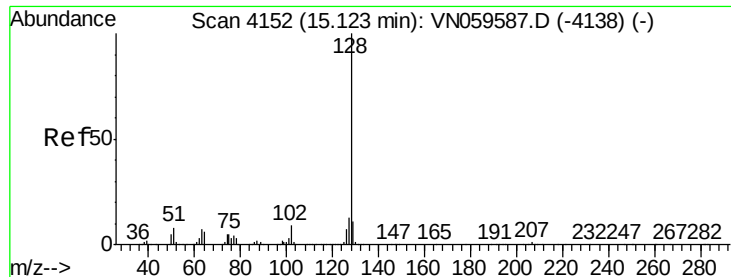
apatel
 12/17/2019 12:51:16 PM



#94
 Hexachlorobutadiene
 Concen: 27.846 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059600.D
 Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56032		
223	62.4	31.8	95.3	
227	65.1	32.1	96.5	





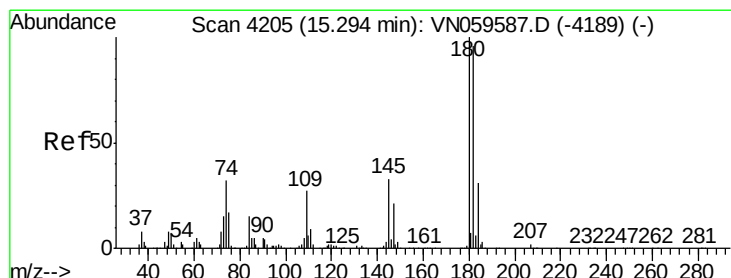
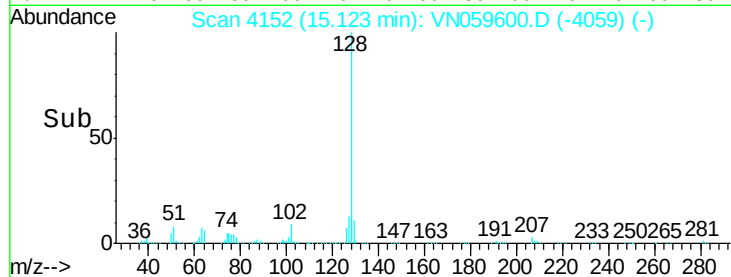
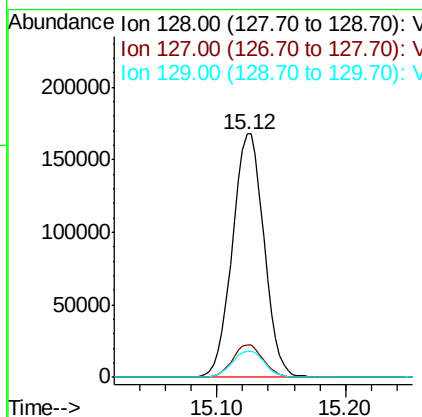
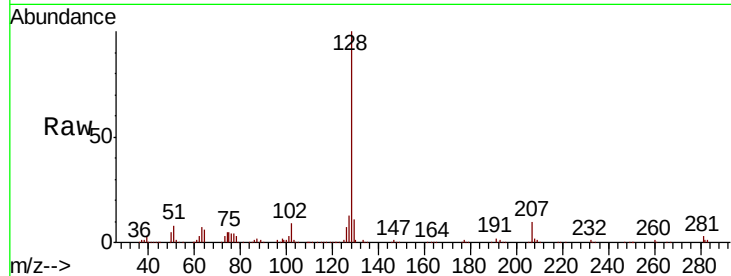
#95
Naphthalene
Concen: 24.907 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Instrument :
MSVOA_N
ClientSampleId :
VN1216WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	286398		
127	13.1		10.4	15.6
129	10.9		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 25.488 ug/l
RT: 15.29 min Scan# 4204
Delta R.T. -0.00 min
Lab File: VN059600.D
Acq: 16 Dec 2019 14:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	99294		
182	94.1		47.4	142.3
145	32.5		16.3	48.9

