

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121219\
 Data File : VN059577.D
 Acq On : 12 Dec 2019 16:13
 Operator : JC/SP
 Sample : VN1212WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Manual Integrations
 APPROVED

apatel
 12/13/2019 2:17:13 PM

Quant Time: Dec 13 08:52:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	273735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	448892	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	398575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	179631	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	192473	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
35) Dibromofluoromethane	7.57	113	137990	51.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.02%	
50) Toluene-d8	10.08	98	527872	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.40	95	187480	46.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	59360	18.801	ug/l	99
3) Chloromethane	2.04	50	92100	19.270	ug/l	98
4) Vinyl Chloride	2.17	62	91104	19.339	ug/l	100
5) Bromomethane	2.54	94	55883	19.476	ug/l	97
6) Chloroethane	2.68	64	54874	19.507	ug/l	99
7) Trichlorofluoromethane	3.00	101	111276	19.760	ug/l	100
8) Diethyl Ether	3.39	74	35840	18.571	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	57635	19.666	ug/l	98
10) Methyl Iodide	3.93	142	68047	17.147	ug/l	99
11) Tert butyl alcohol	4.76	59	62366	98.536	ug/l	99
12) 1,1-Dichloroethene	3.72	96	53459	18.764	ug/l	94
13) Acrolein	3.58	56	38171	123.932	ug/l	97
14) Allyl chloride	4.30	41	106172	19.372	ug/l	98
15) Acrylonitrile	4.96	53	160633	96.227	ug/l	100
16) Acetone	3.79	43	151912	85.001	ug/l	99
17) Carbon Disulfide	4.03	76	161652	17.554	ug/l	99
18) Methyl Acetate	4.30	43	87161	18.576	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	193172	20.397	ug/l	98
20) Methylene Chloride	4.53	84	71079	21.916	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	59300	19.392	ug/l	93
22) Diisopropyl ether	5.93	45	207885	19.925	ug/l	98
23) Vinyl Acetate	5.87	43	882483	101.395	ug/l	100
24) 1,1-Dichloroethane	5.82	63	117462	19.829	ug/l	99
25) 2-Butanone	6.81	43	228169	94.849	ug/l	99
26) 2,2-Dichloropropane	6.80	77	107442	20.076	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	68192	19.826	ug/l	99
28) Bromochloromethane	7.17	49	47990	23.007	ug/l	97
29) Tetrahydrofuran	7.19	42	155857	93.143	ug/l	100
30) Chloroform	7.35	83	115571	19.768	ug/l	98
31) Cyclohexane	7.63	56	108485	18.819	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	102688	19.799	ug/l	100
36) 1,1-Dichloropropene	7.77	75	87561	19.012	ug/l	99
37) Ethyl Acetate	6.90	43	99163	19.434	ug/l	100
38) Carbon Tetrachloride	7.75	117	90974	20.041	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	101334	19.615	ug/l	99
40) Benzene	8.02	78	253037	19.233	ug/l	99
41) Methacrylonitrile	7.16	41	47786m	21.351	ug/l	
42) 1,2-Dichloroethane	8.10	62	98181	20.029	ug/l	99
43) Isopropyl Acetate	8.15	43	152945	19.238	ug/l	99
44) Trichloroethene	8.82	130	64705	19.467	ug/l	95
45) 1,2-Dichloropropane	9.10	63	68989	19.794	ug/l	99
46) Dibromomethane	9.19	93	42811	18.586	ug/l	97
47) Bromodichloromethane	9.39	83	90410	19.750	ug/l	98
48) Methyl methacrylate	9.19	41	66966	19.265	ug/l	99
49) 1,4-Dioxane	9.19	88	20018	450.094	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	460515	90.651	ug/l	99
52) Toluene	10.15	92	151827	19.368	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	100479	18.839	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	108829	19.936	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	60558	19.101	ug/l	99
56) Ethyl methacrylate	10.42	69	86156	17.231	ug/l	99
57) 1,3-Dichloropropane	10.70	76	107183	19.795	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	134785	103.777	ug/l	98
59) 2-Hexanone	10.74	43	332843	87.719	ug/l	99
60) Dibromochloromethane	10.90	129	66350	18.215	ug/l	98
61) 1,2-Dibromoethane	11.00	107	62320	18.882	ug/l	100
64) Tetrachloroethene	10.63	164	55384	19.013	ug/l	99
65) Chlorobenzene	11.43	112	159618	19.113	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	61170	19.638	ug/l	99
67) Ethyl Benzene	11.51	91	290170	19.308	ug/l	99
68) m/p-Xylenes	11.62	106	216020	38.318	ug/l	99
69) o-Xylene	11.95	106	102730	19.578	ug/l	98
70) Styrene	11.96	104	157129	18.075	ug/l	97
71) Bromoform	12.12	173	44942	18.338	ug/l #	99
73) Isopropylbenzene	12.25	105	274443	20.368	ug/l	100
74) N-amyl acetate	12.07	43	114552	19.517	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	88970	19.486	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	90624m	19.728	ug/l	
77) Bromobenzene	12.52	156	65897	19.644	ug/l	97
78) n-propylbenzene	12.59	91	323176	19.518	ug/l	98
79) 2-Chlorotoluene	12.67	91	191964	19.443	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	227814	19.716	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	31144	18.241	ug/l #	86
82) 4-Chlorotoluene	12.77	91	193339	19.151	ug/l	100
83) tert-Butylbenzene	12.99	119	192281	19.956	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	228657	20.042	ug/l	99
85) sec-Butylbenzene	13.17	105	260723	19.700	ug/l	99
86) p-Isopropyltoluene	13.29	119	233843	19.769	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	115389	18.675	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	116690	19.288	ug/l	99
89) n-Butylbenzene	13.62	91	215249	19.380	ug/l	98
90) Hexachloroethane	13.87	117	44208	20.350	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	114147	19.686	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19396	19.836	ug/l	93

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Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	69559	17.345	ug/l	96
94) Hexachlorobutadiene	15.01	225	36269	17.702	ug/l	98
95) Naphthalene	15.12	128	203634	17.371	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	70114	19.494	ug/l	99

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

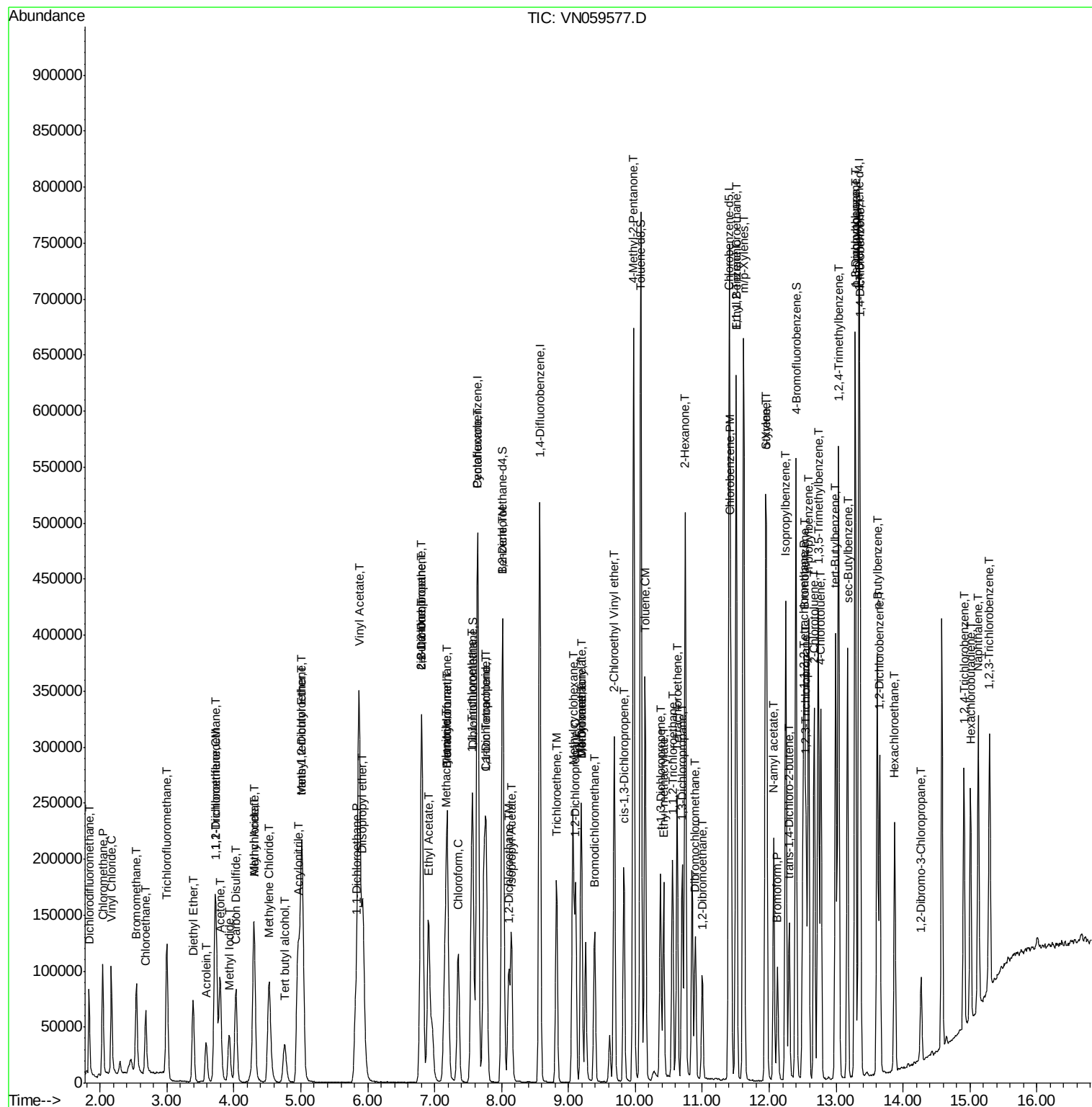
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Data File : VN059577.D
Acq On : 12 Dec 2019 16:13
Operator : JC/SP
Sample : VN1212WBSD01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 11 Sample Multiplier: 1

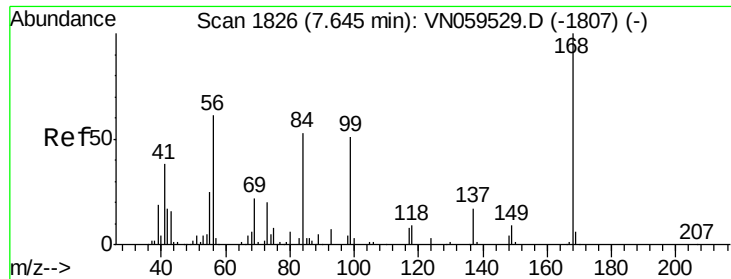
Instrument :
MSVOA_N
Client Sampled :
VN1212WBSD01

Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 10 01:09:52 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

Tot Ion:168 Resp: 273735

Ion Ratio Lower Upper

168 100

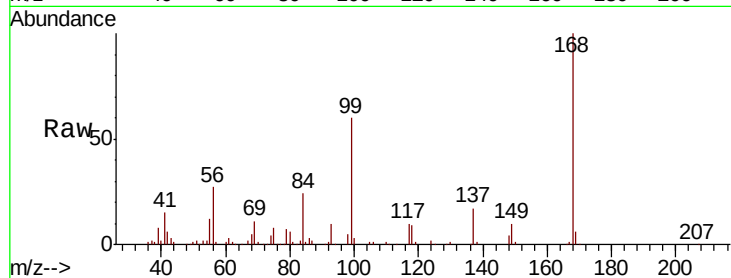
99 60.3 46.6 70.0

Manual Integrations

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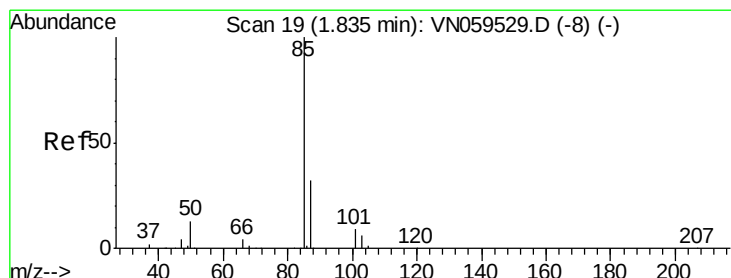
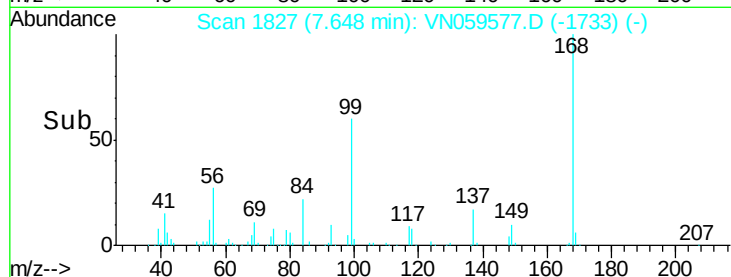
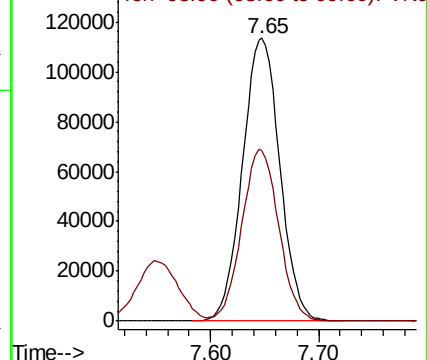
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#2

Dichlorodifluoromethane

Concen: 18.801 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN059577.D

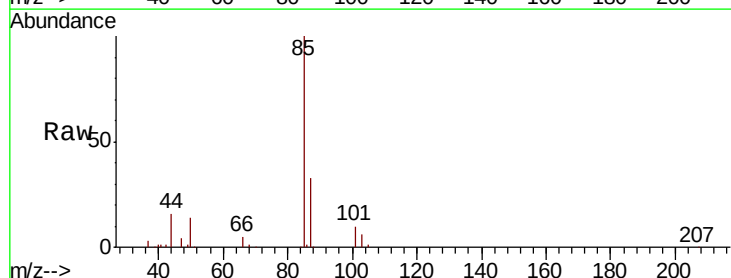
Acq: 12 Dec 2019 16:13

Tgt Ion: 85 Resp: 59360

Ion Ratio Lower Upper

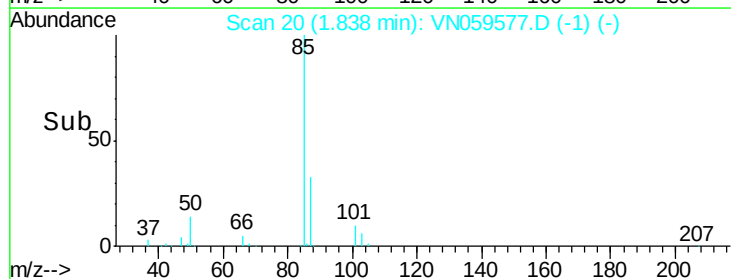
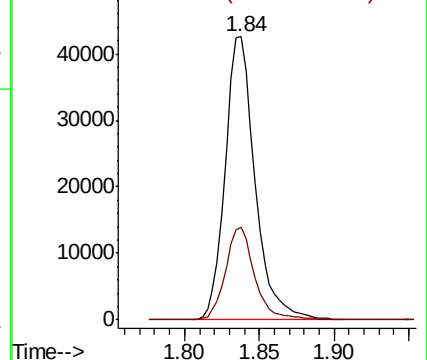
85 100

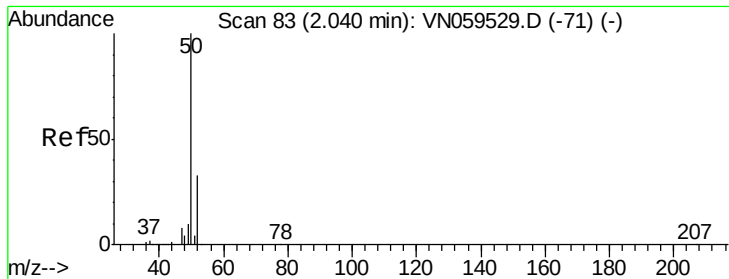
87 32.5 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNC

Ion 86.90 (86.60 to 87.60): VNC





#3

Chloromethane

Concen: 19.270 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

Tot Ion: 50 Resp: 92100

Ion Ratio Lower Upper

50 100

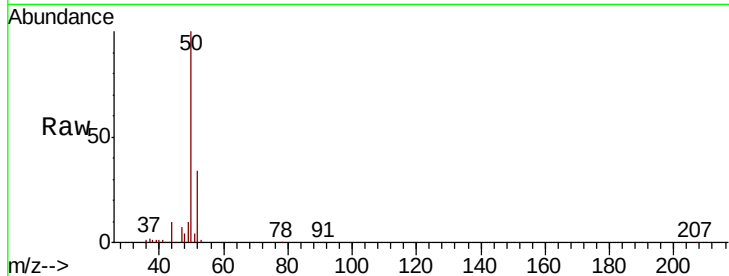
52 33.7 26.2 39.4

Manual Integrations

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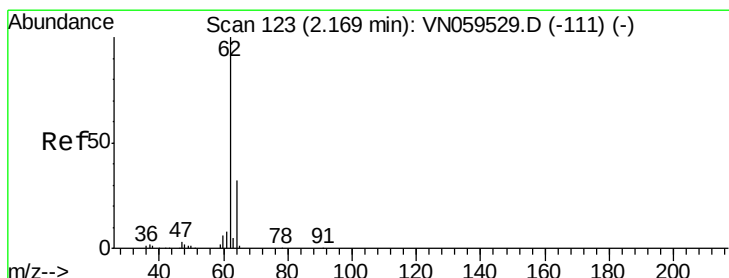
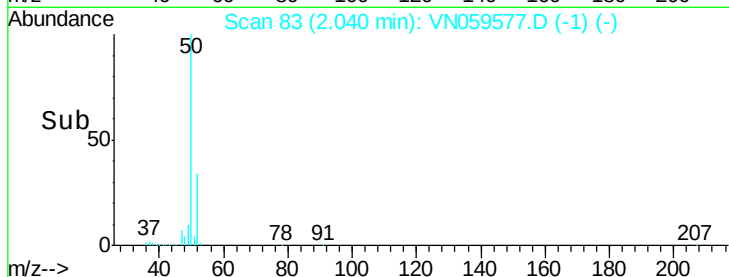
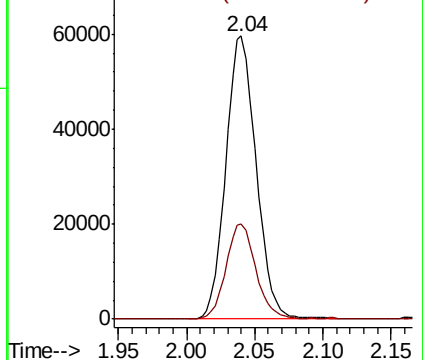
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.339 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059577.D

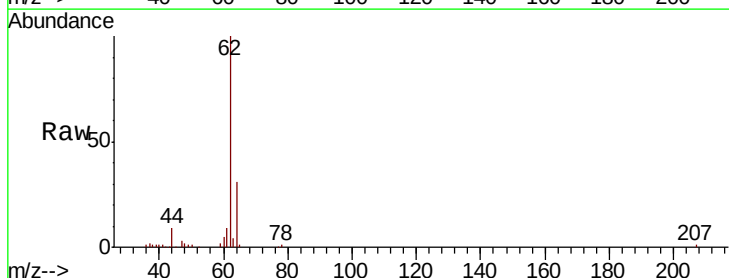
Acq: 12 Dec 2019 16:13

Tgt Ion: 62 Resp: 91104

Ion Ratio Lower Upper

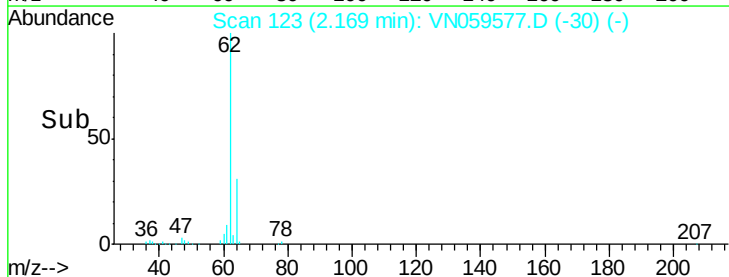
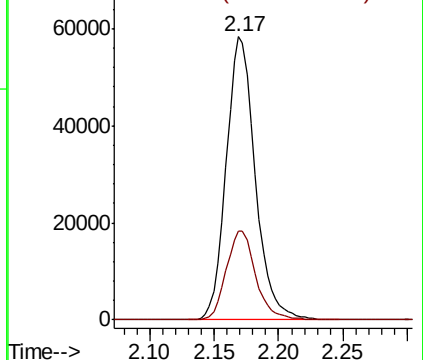
62 100

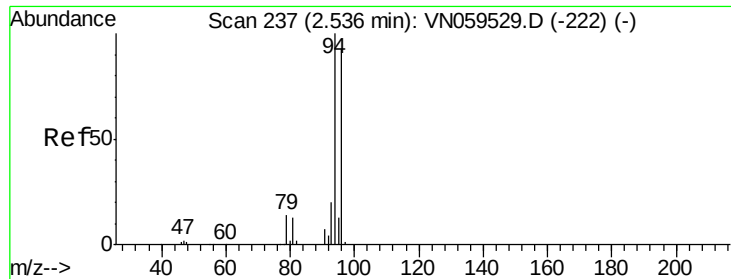
64 31.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.476 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

Tot Ion: 94 Resp: 55883

Ion Ratio Lower Upper

94 100

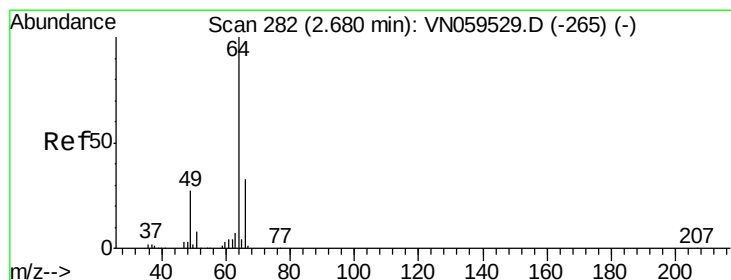
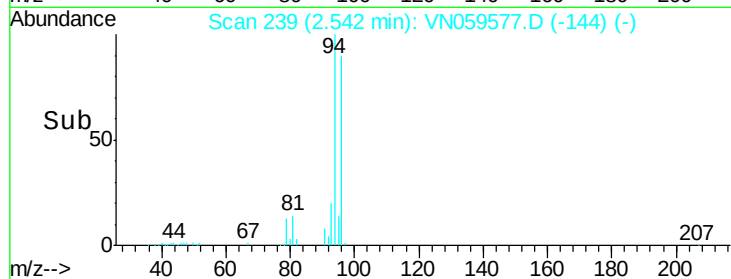
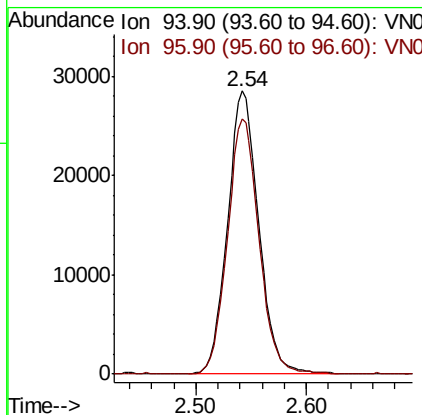
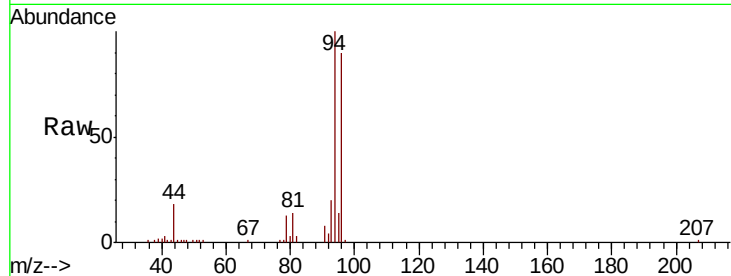
96 90.3 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 19.507 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059577.D

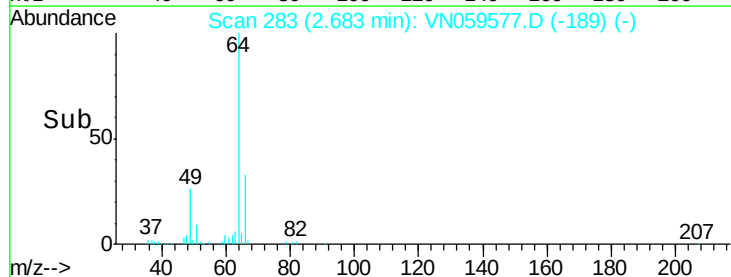
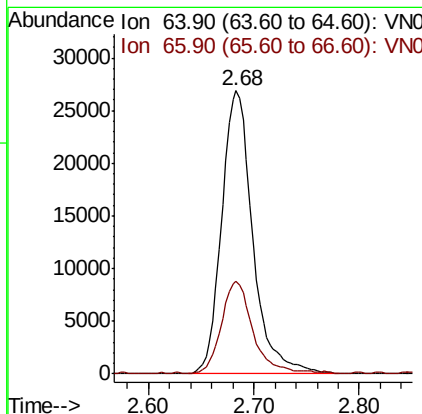
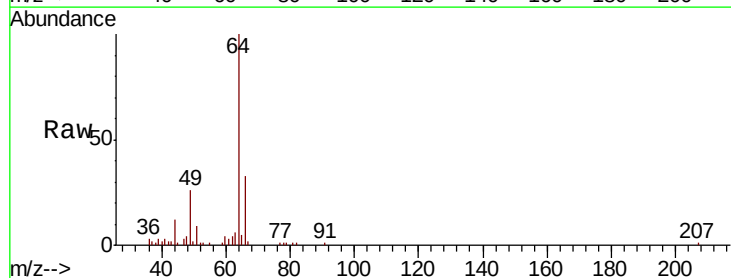
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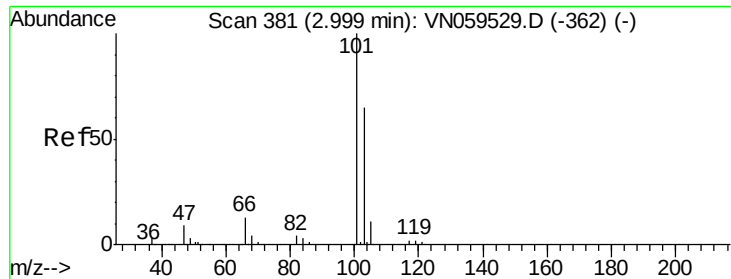
Tgt Ion: 64 Resp: 54874

Ion Ratio Lower Upper

64 100

66 32.7 26.7 40.1





#7

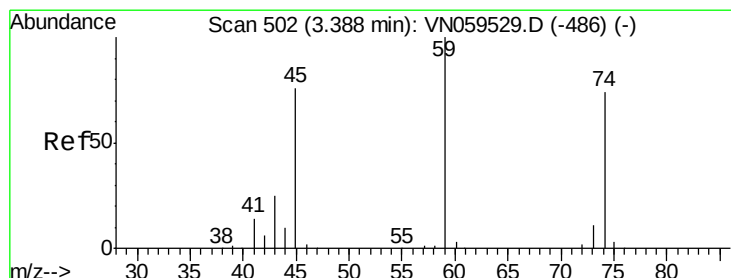
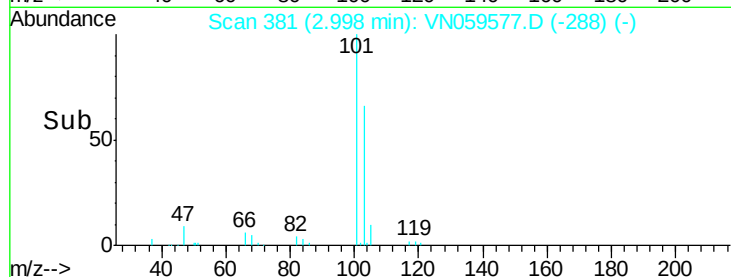
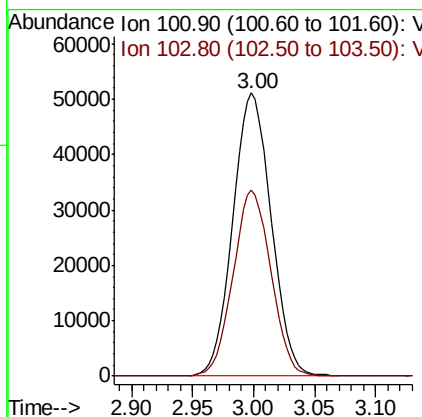
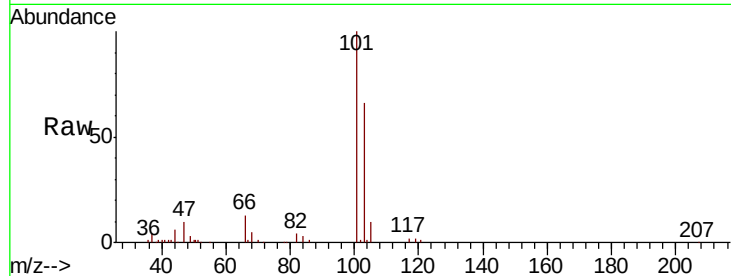
Trichlorofluoromethane
 Concen: 19.760 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.2	78.4

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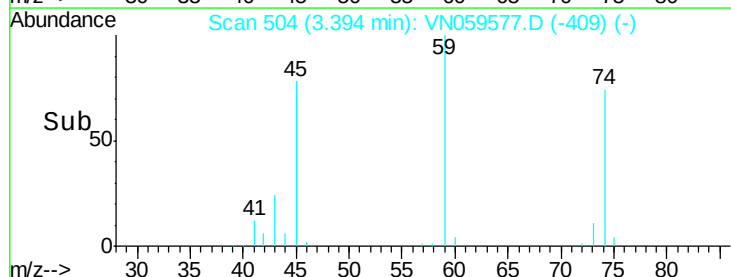
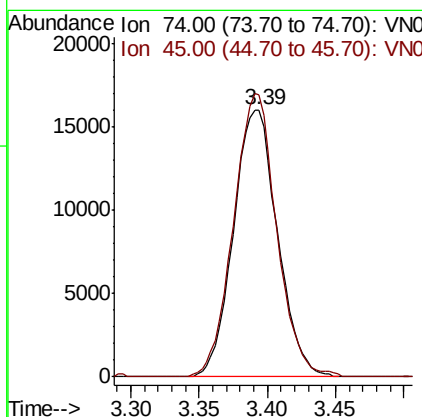
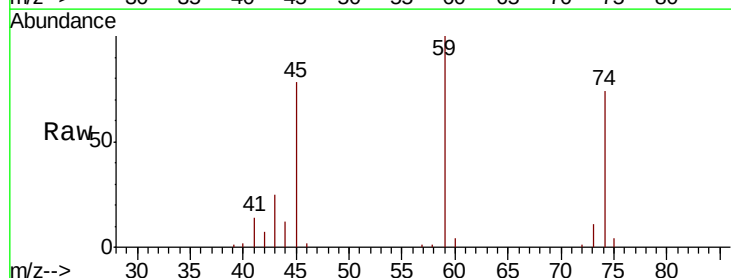
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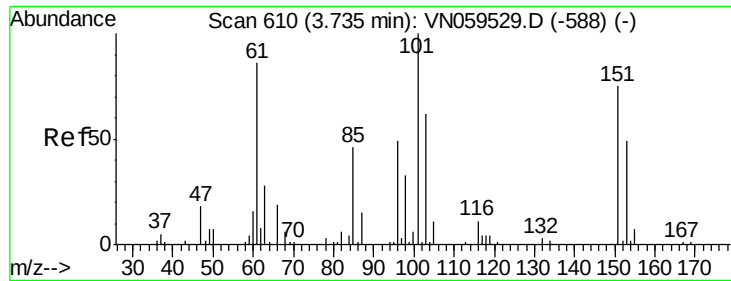


#8

Diethyl Ether
 Concen: 18.571 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	52.6	157.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.666 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

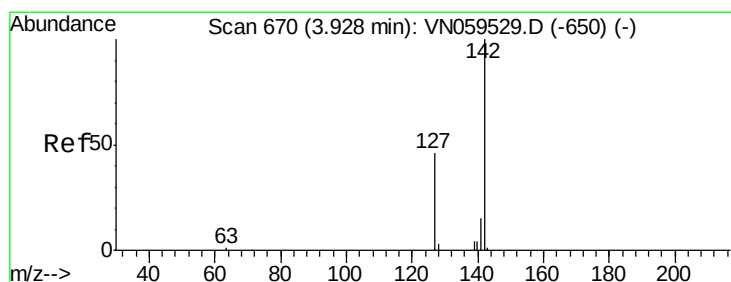
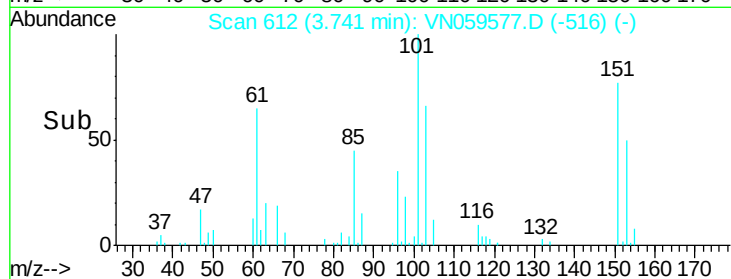
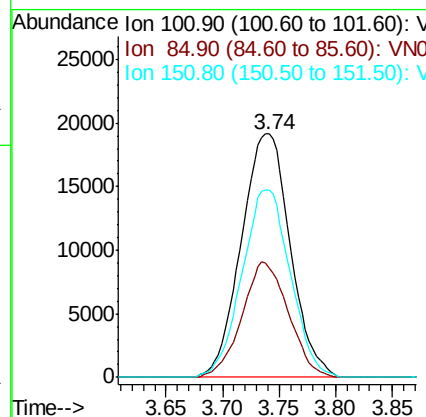
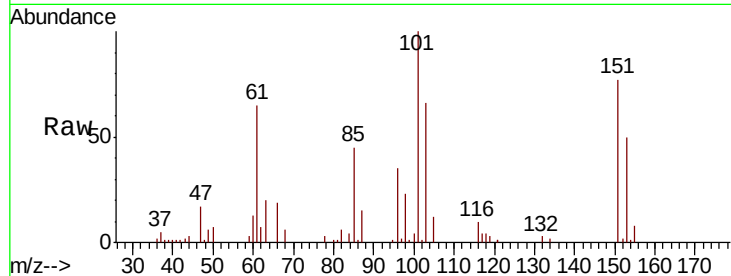
ClientSampleId :

VN1212WBSD01

Tot Ion:	101	Resp:	57635
Ion Ratio	Lower	Upper	
101	100		
85	44.9	36.6	54.8
151	76.0	59.3	88.9

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#10

Methyl Iodide

Concen: 17.147 ug/l

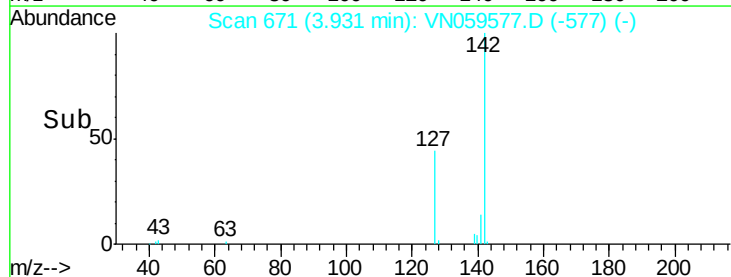
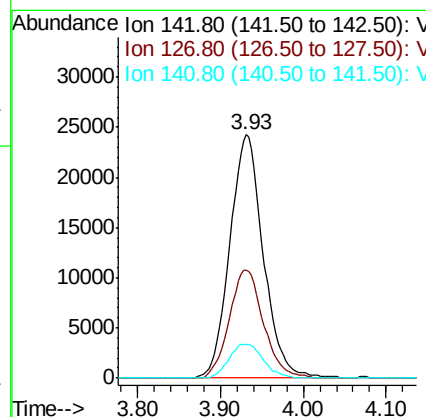
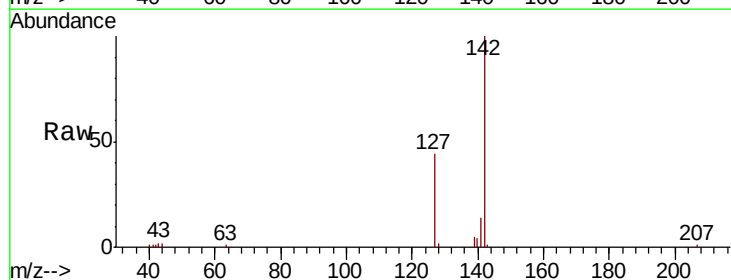
RT: 3.93 min Scan# 671

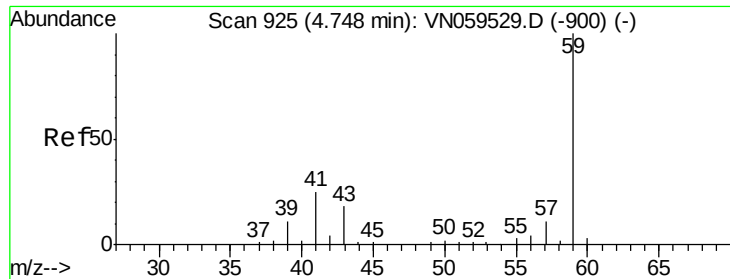
Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion:	142	Resp:	68047
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.6	54.8
141	14.3	11.6	17.4





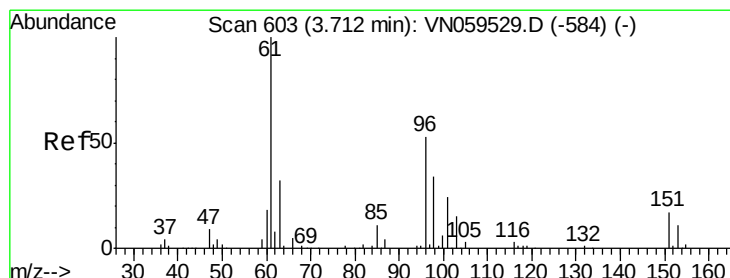
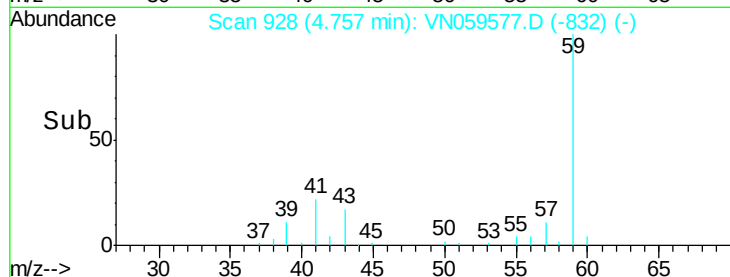
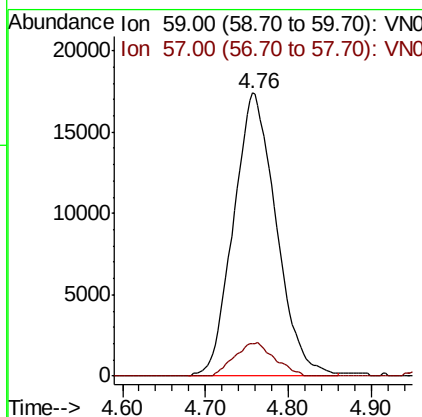
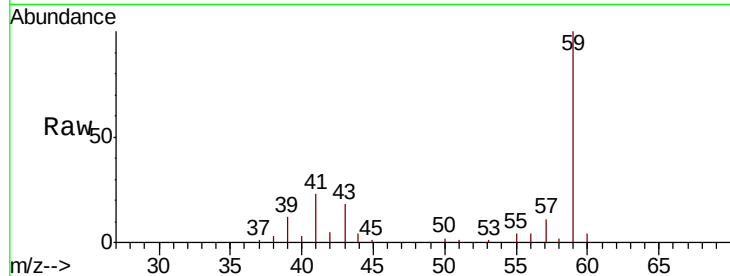
#11
Tert butyl alcohol
Concen: 98.536 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.6	13.0

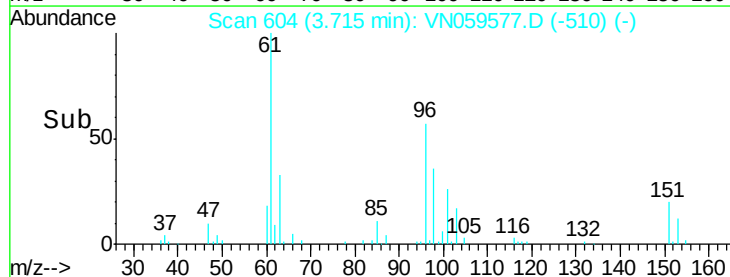
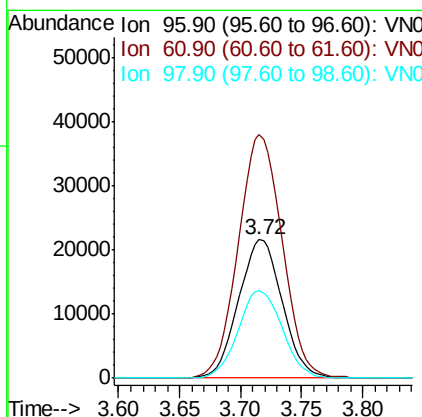
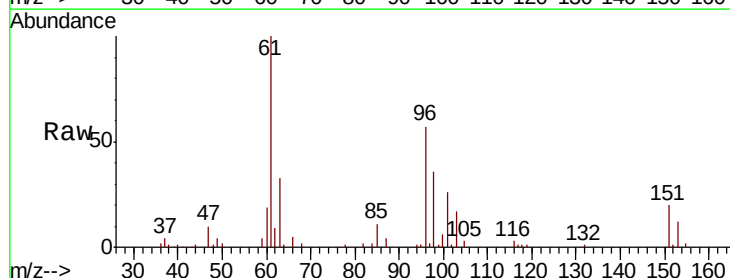
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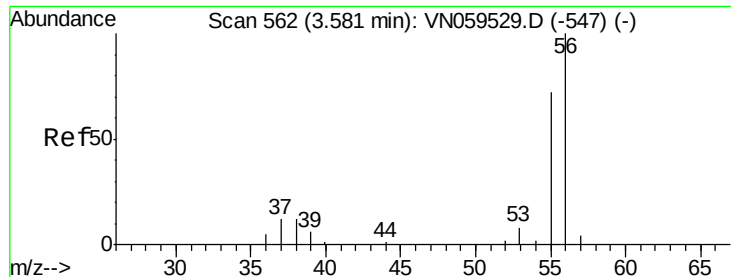
apatel
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#12
1,1-Dichloroethene
Concen: 18.764 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.0	149.8	224.6
98	63.2	50.6	75.8





#13

Acrolein

Concen: 123.932 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

Tot Ion: 56 Resp: 38171

Ion Ratio Lower Upper

56 100

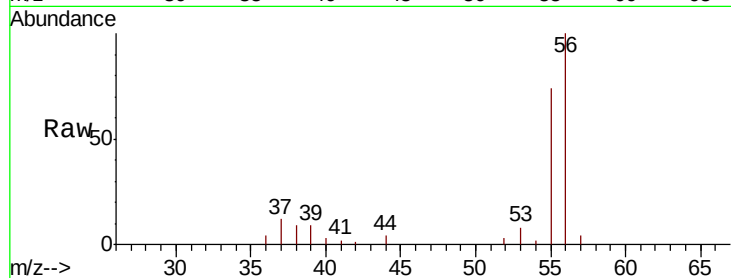
55 73.3 56.9 85.3

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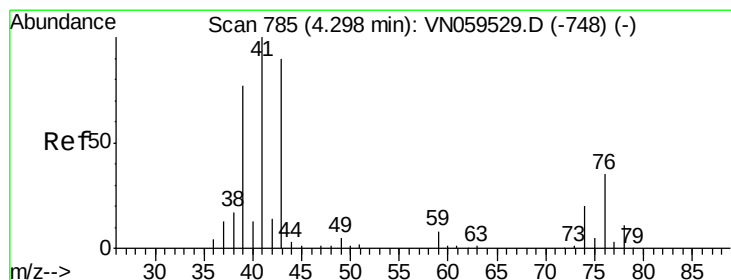
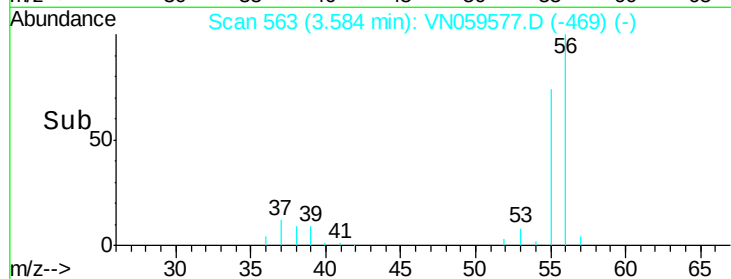
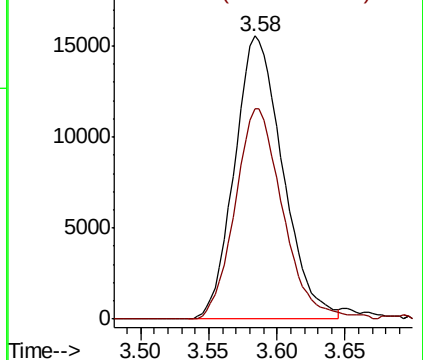
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.372 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

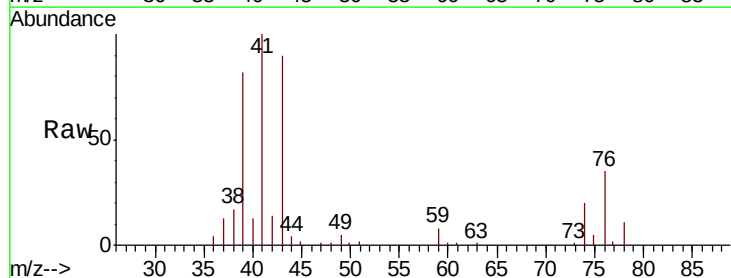
Tgt Ion: 41 Resp: 106172

Ion Ratio Lower Upper

41 100

39 72.5 56.7 85.1

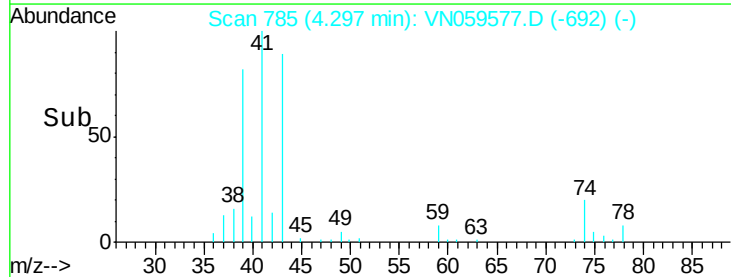
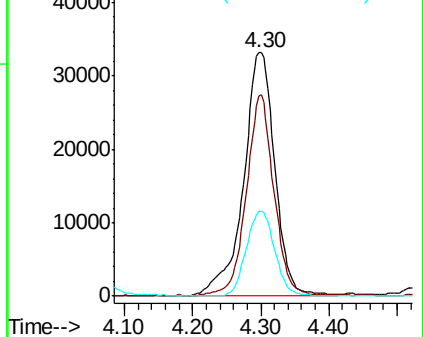
76 31.4 25.5 38.3

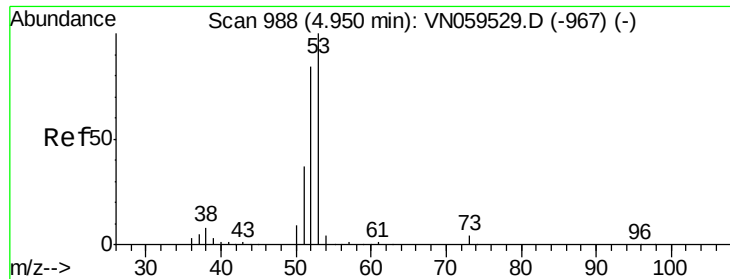


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 96.227 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.01 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

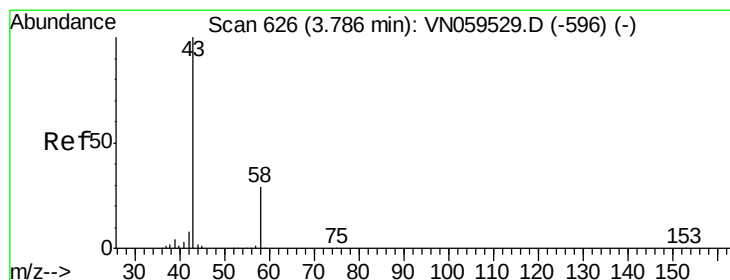
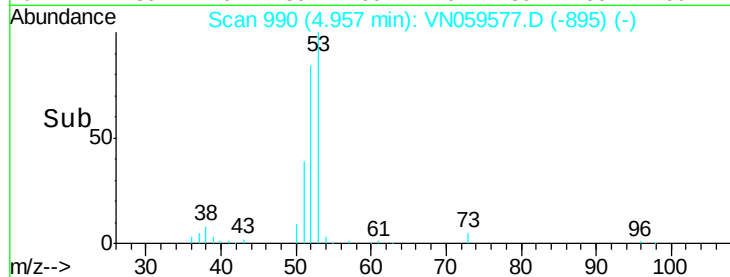
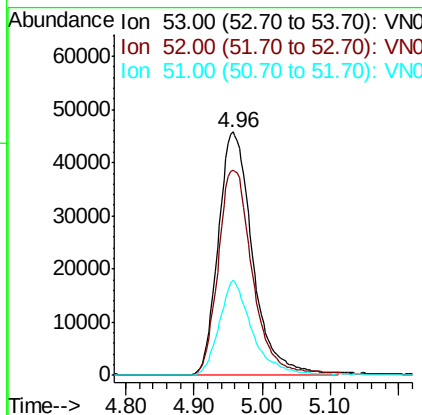
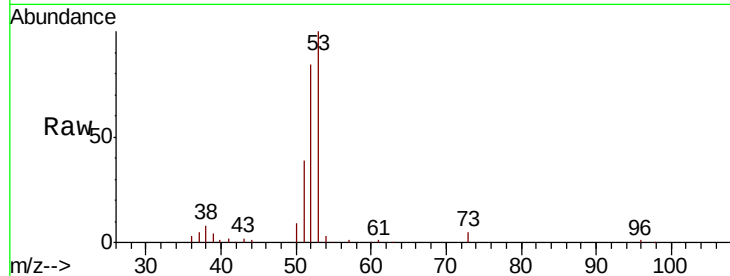
ClientSampleId :

VN1212WBSD01

Tot Ion:	53	Resp:	160633
Ion Ratio		Lower	Upper
53	100		
52	83.4	66.6	99.8
51	37.3	29.8	44.8

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#16

Acetone

Concen: 85.001 ug/l

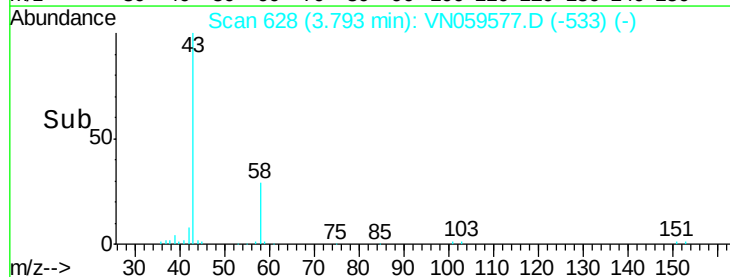
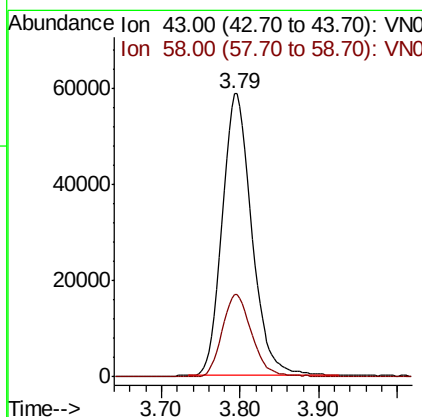
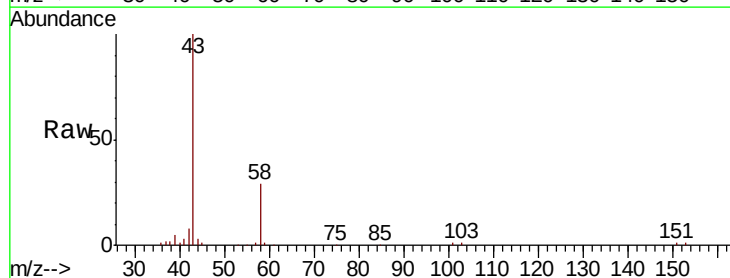
RT: 3.79 min Scan# 628

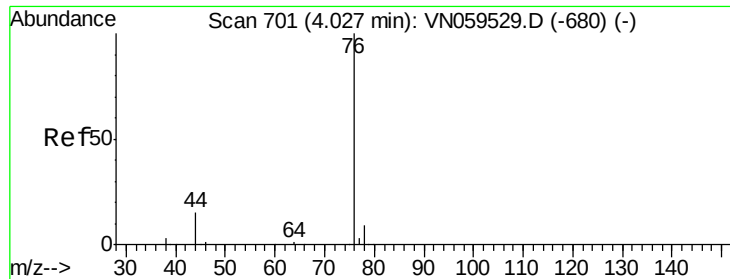
Delta R.T. 0.01 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion:	43	Resp:	151912
Ion Ratio		Lower	Upper
43	100		
58	29.1	23.0	34.4





#17

Carbon Disulfide

Concen: 17.554 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

VN1212WBSD01

Tot Ion: 76 Resp: 161652

Ion Ratio Lower Upper

76 100

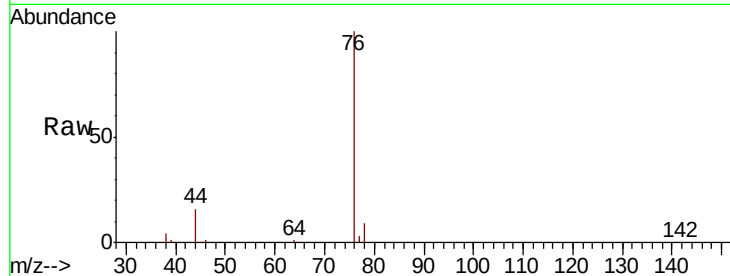
78 8.9 7.4 11.2

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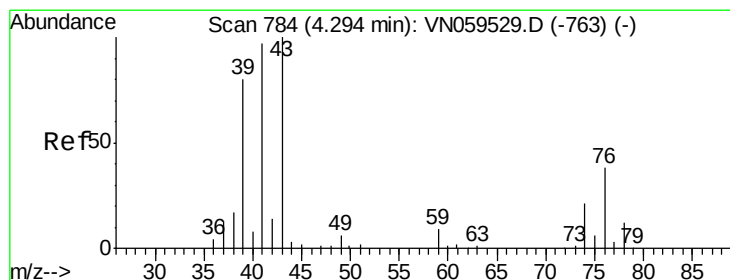
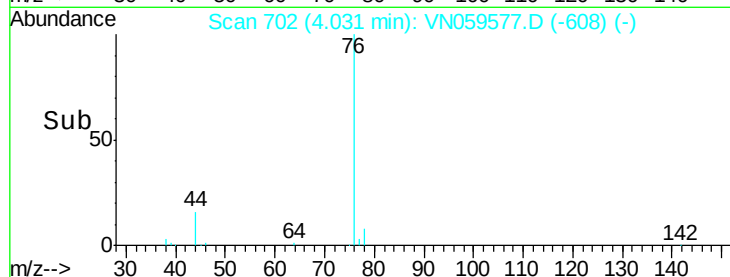
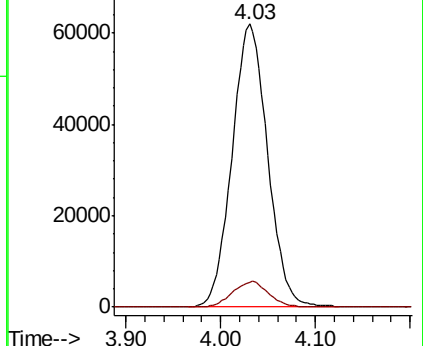
apatel

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 18.576 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059577.D

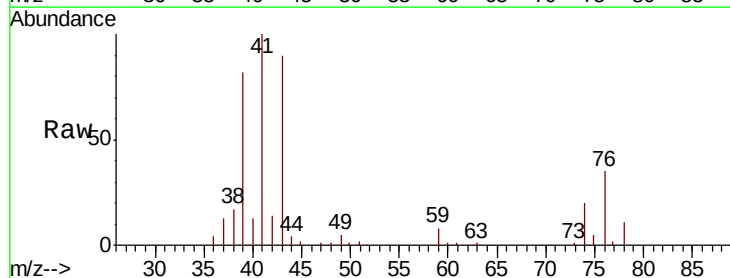
Acq: 12 Dec 2019 16:13

Tgt Ion: 43 Resp: 87161

Ion Ratio Lower Upper

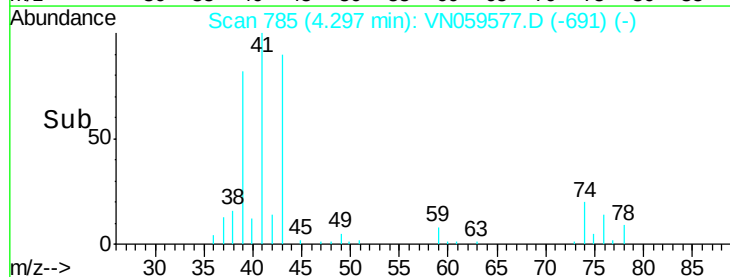
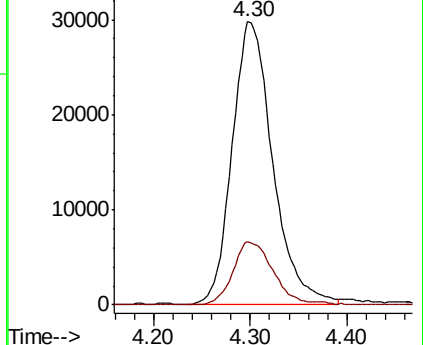
43 100

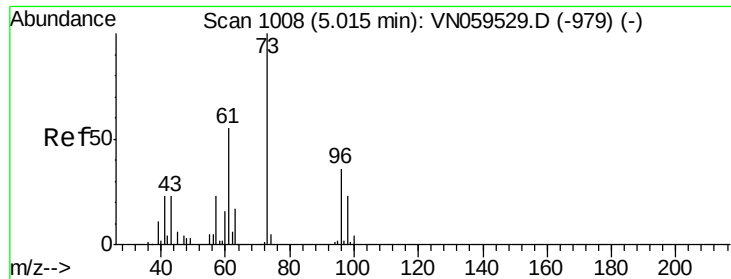
74 22.1 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





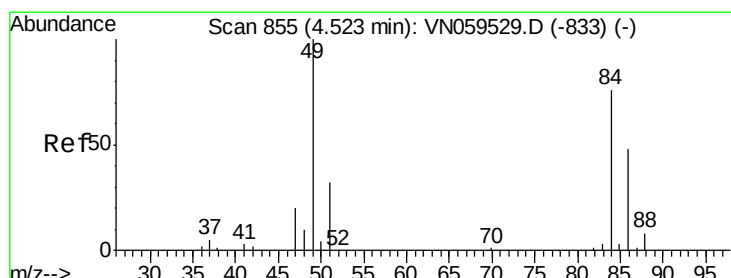
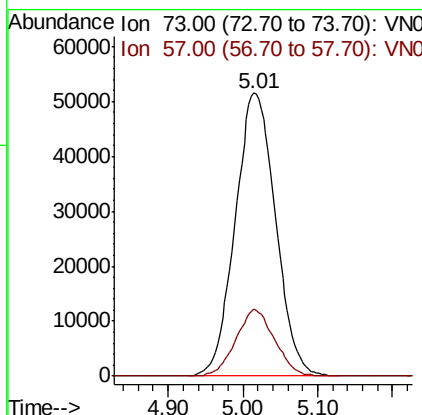
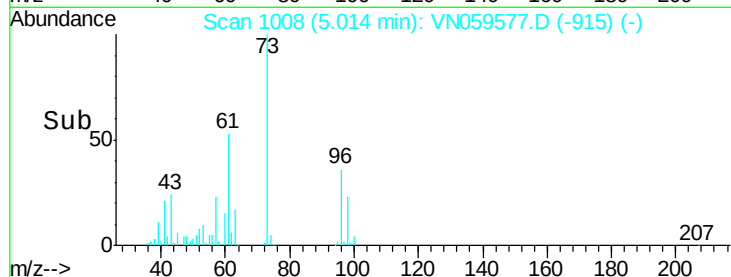
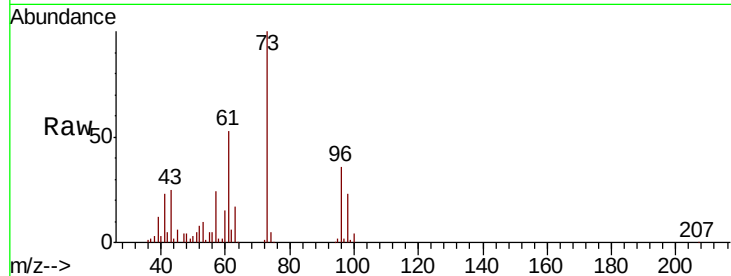
#19
Methyl tert-butyl Ether
Concen: 20.397 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion: 73 Resp: 193172
Ion Ratio Lower Upper
73 100
57 23.7 18.3 27.5

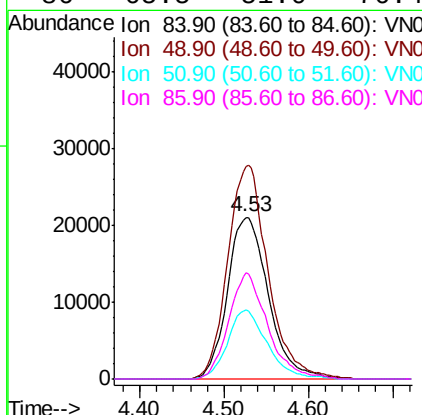
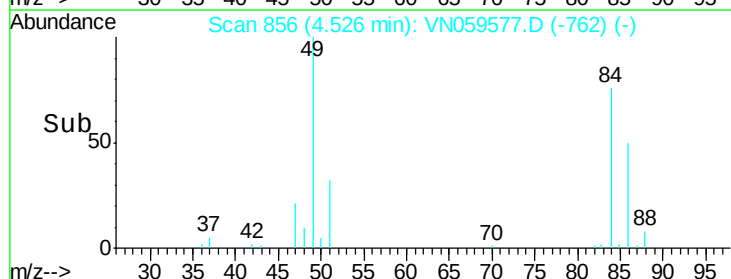
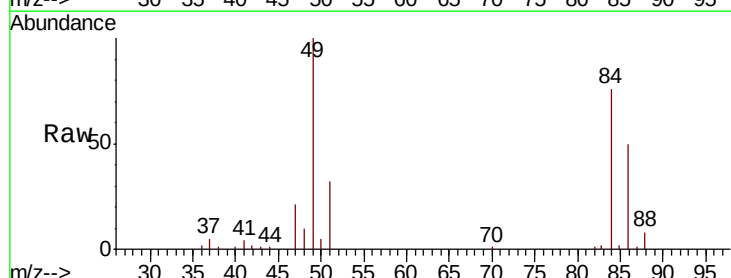
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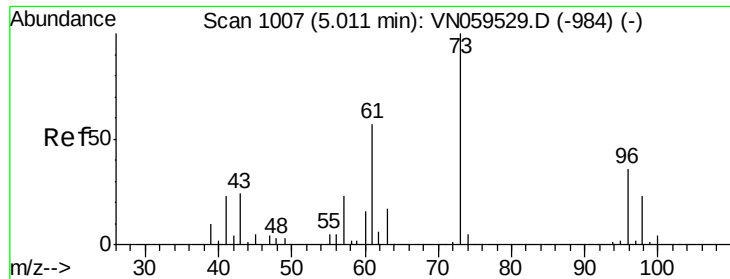
apatel
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#20
Methylene Chloride
Concen: 21.916 ug/l
RT: 4.53 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 84 Resp: 71079
Ion Ratio Lower Upper
84 100
49 131.0 105.8 158.8
51 42.5 33.7 50.5
86 65.5 51.0 76.4





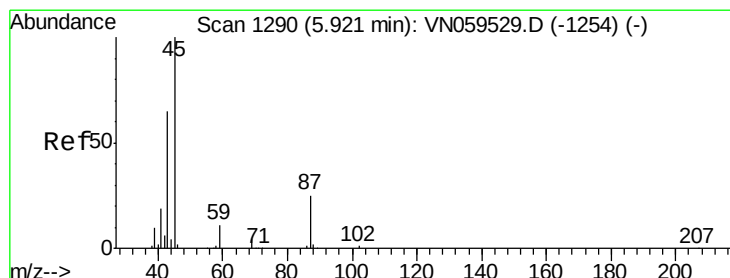
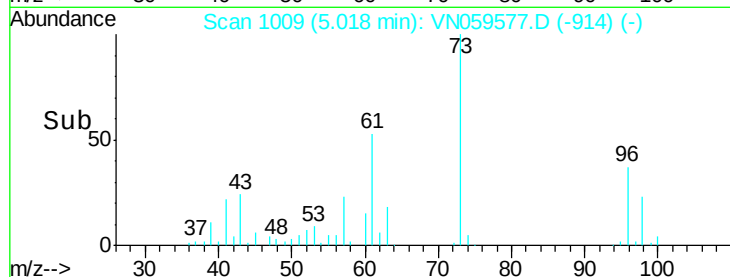
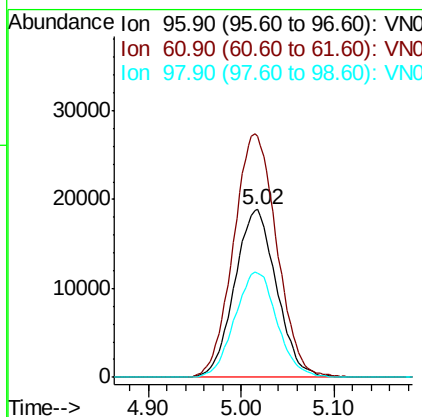
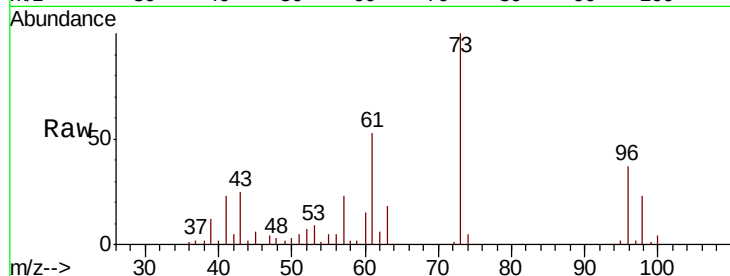
#21
trans-1,2-Dichloroethene
Concen: 19.392 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	124.8	187.2
98	62.3	51.0	76.4

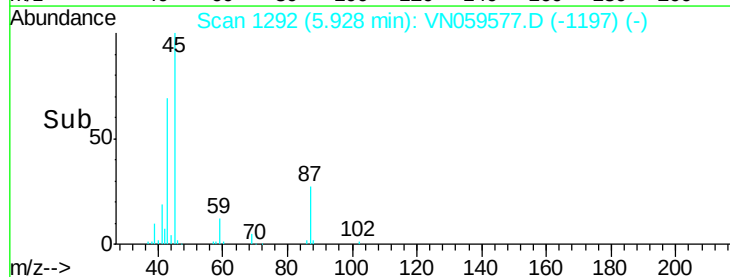
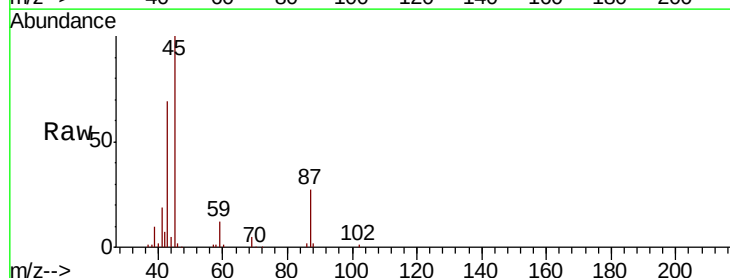
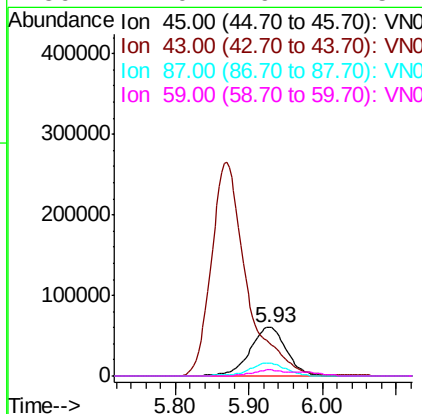
Manual Integrations
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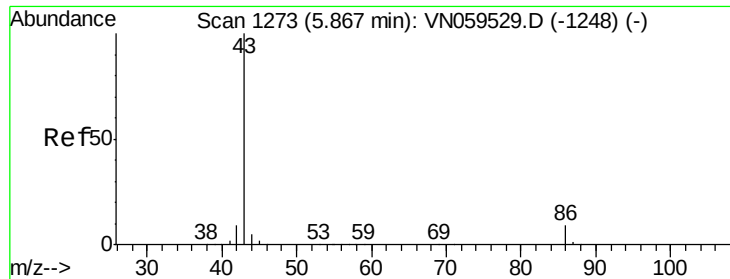
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#22
Diisopropyl ether
Concen: 19.925 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.01 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.9	52.8	79.2
87	27.0	20.2	30.4
59	12.0	9.1	13.7





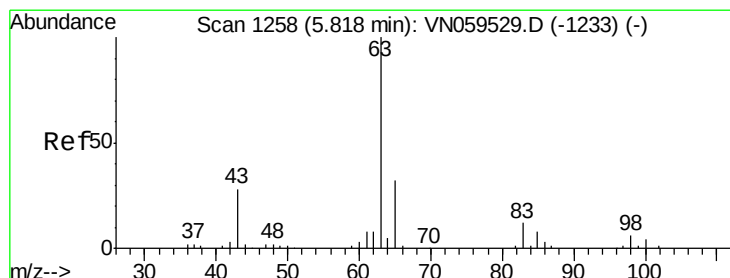
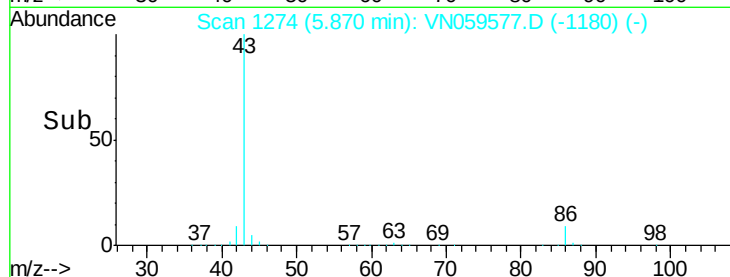
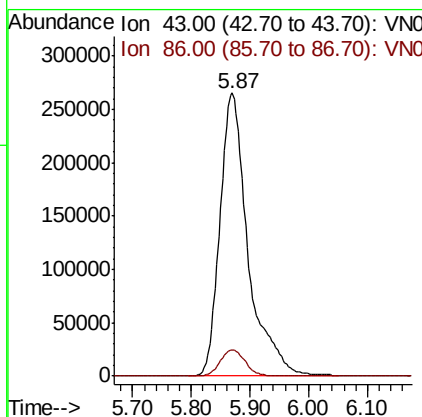
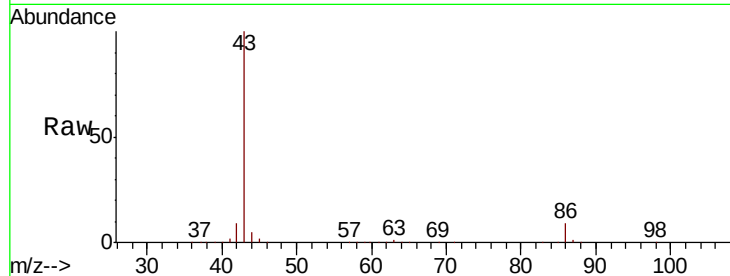
#23
 Vinyl Acetate
 Concen: 101.395 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Tot Ion	43.00	Resp	882483
Ion Ratio	100	Lower	Upper
43	100		
86	9.2	7.4	11.2

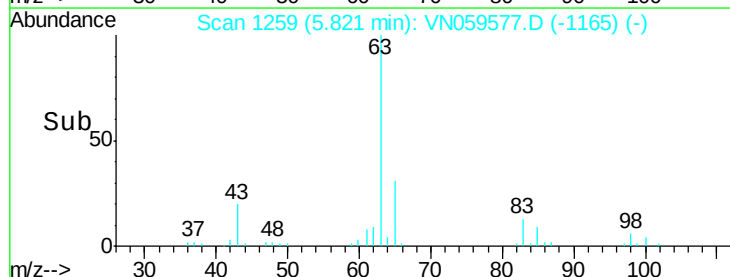
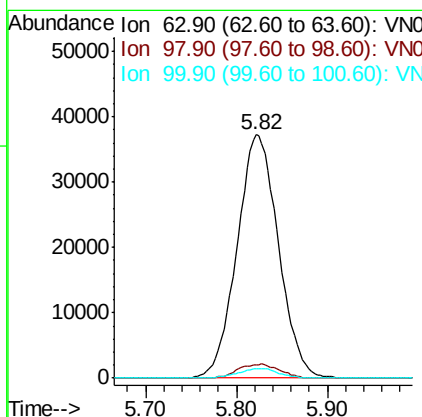
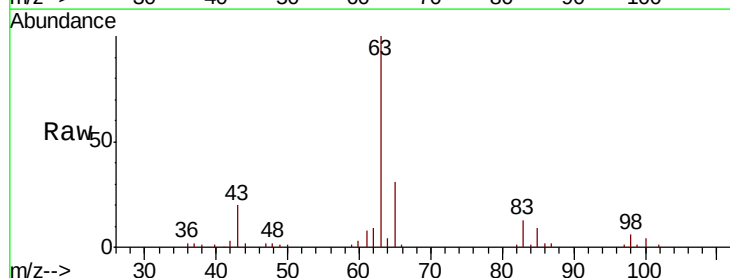
Manual Integrations
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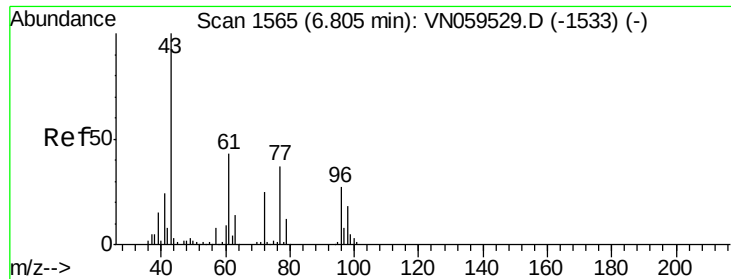
apatel
 12/13/2019 2:17:13 PM



#24
 1,1-Dichloroethane
 Concen: 19.829 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion	63.00	Resp	117462
Ion Ratio	100	Lower	Upper
63	100		
98	5.5	3.0	9.0
100	4.0	1.8	5.3





#25

2-Butanone

Concen: 94.849 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

Tot Ion: 43 Resp: 228169

Ion Ratio Lower Upper

43 100

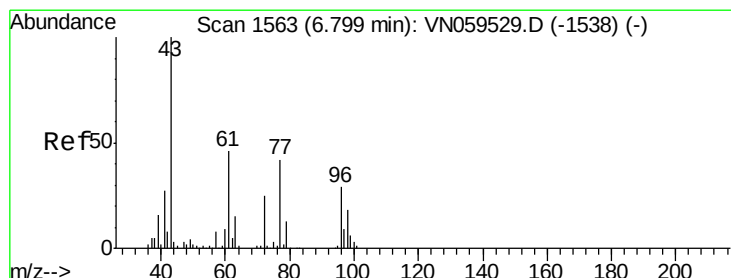
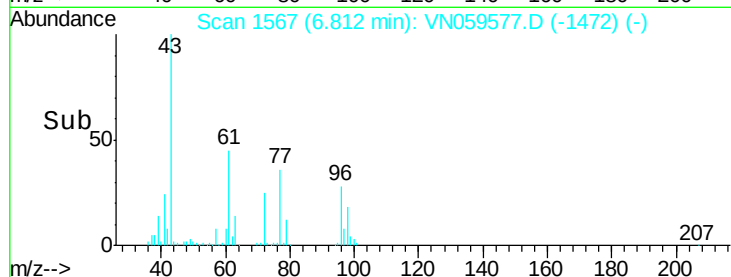
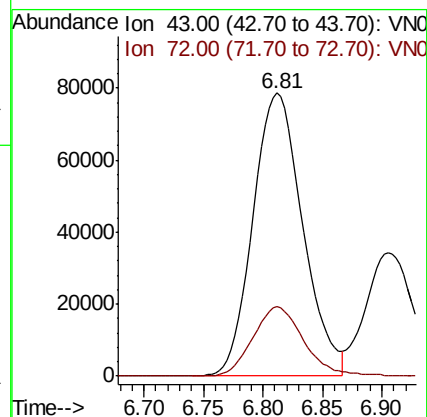
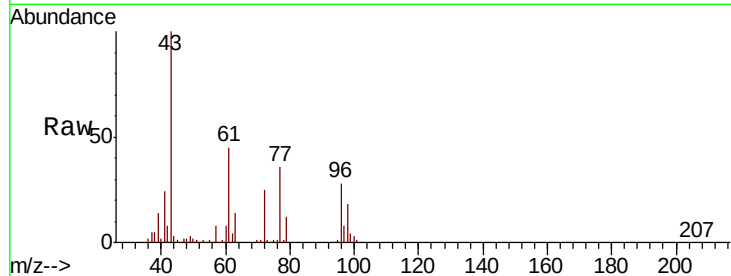
72 24.5 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 20.076 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059577.D

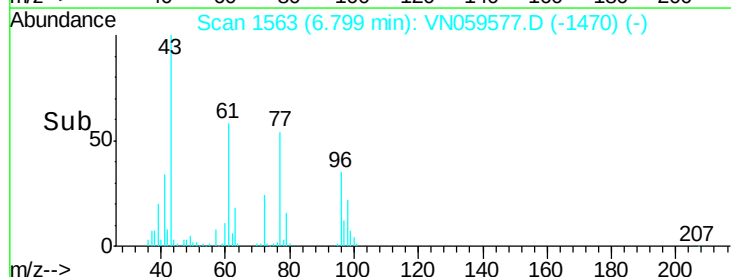
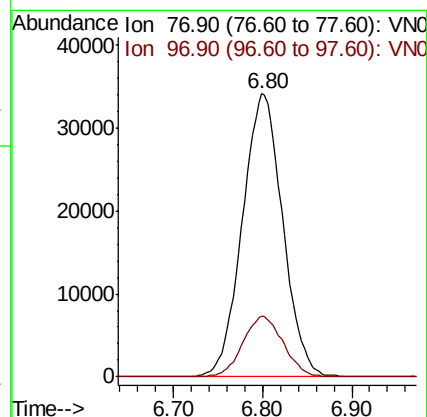
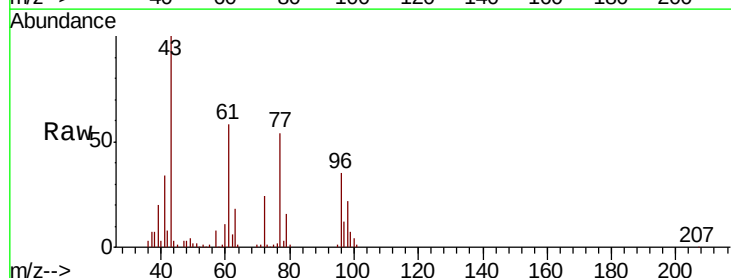
Acq: 12 Dec 2019 16:13

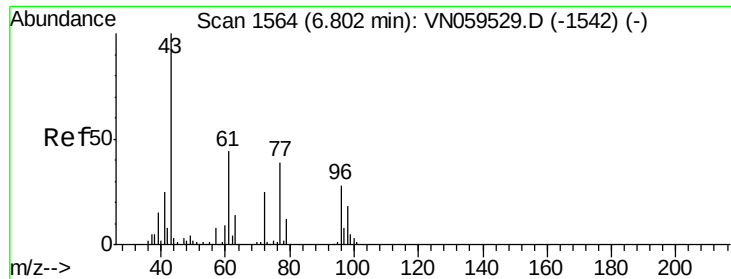
Tgt Ion: 77 Resp: 107442

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.826 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

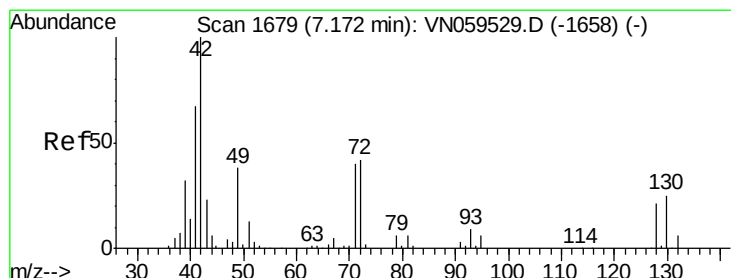
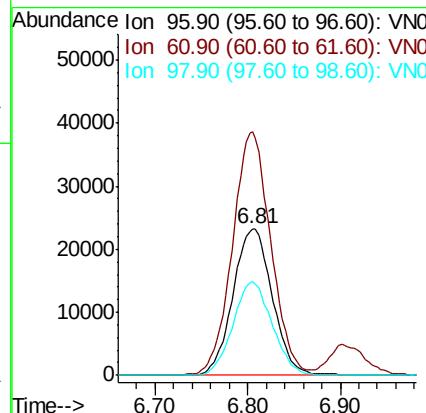
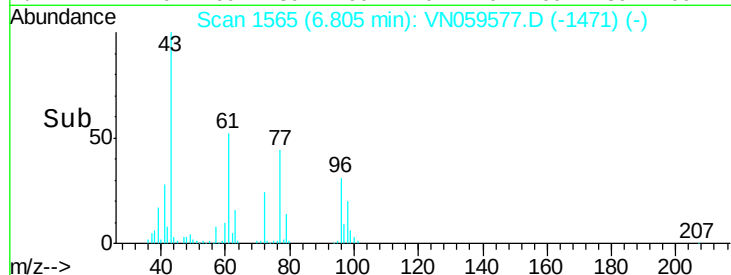
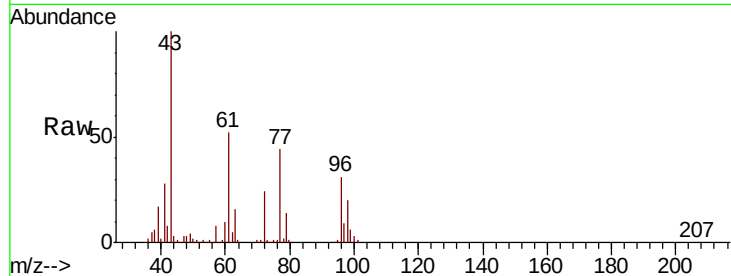
ClientSampleId :

VN1212WBSD01

Tot Ion:	96	Resp:	68192
Ion Ratio	Lower	Upper	
96	100		
61	162.1	0.0	320.0
98	63.5	0.0	128.6

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#28

Bromochloromethane

Concen: 23.007 ug/l

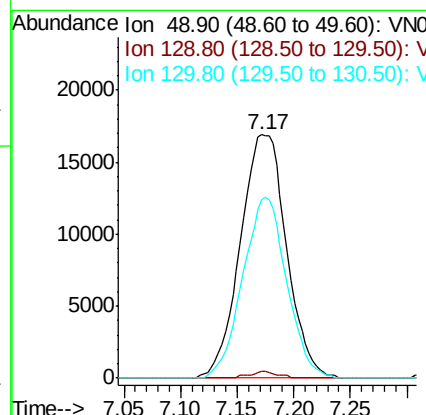
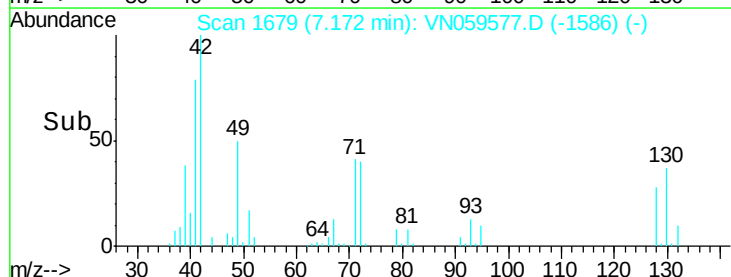
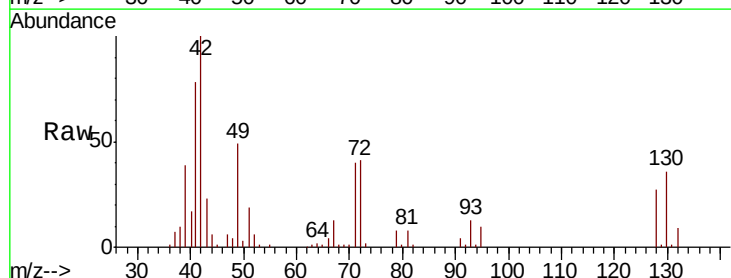
RT: 7.17 min Scan# 1679

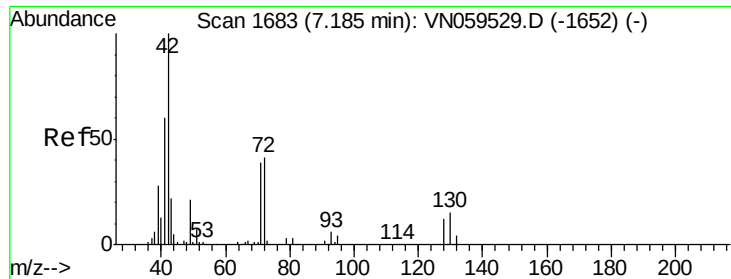
Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion:	49	Resp:	47990
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.0
130	70.4	54.2	81.2





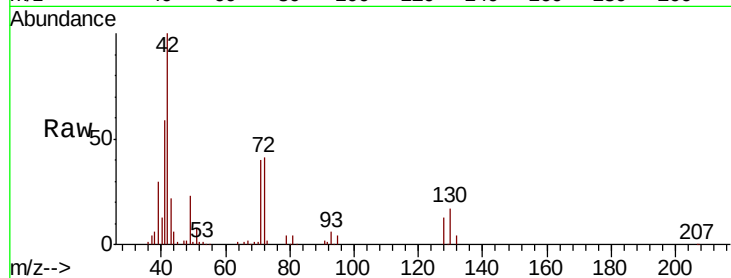
#29
Tetrahydrofuran
Concen: 93.143 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

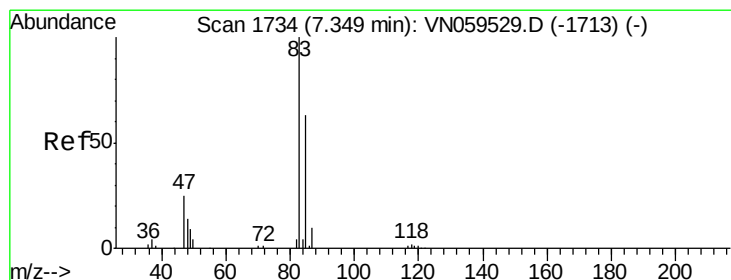
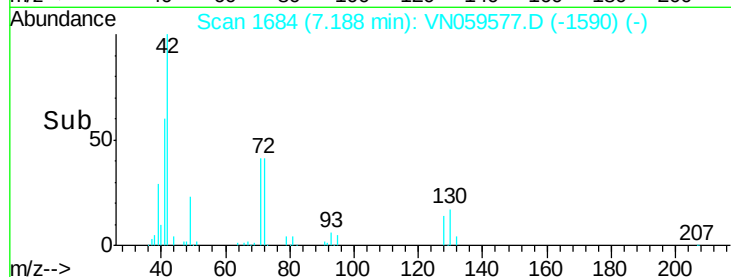
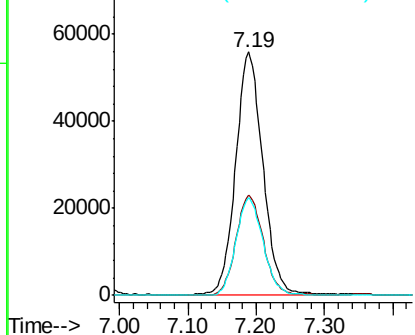
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.7	49.1
71	39.8	31.4	47.2

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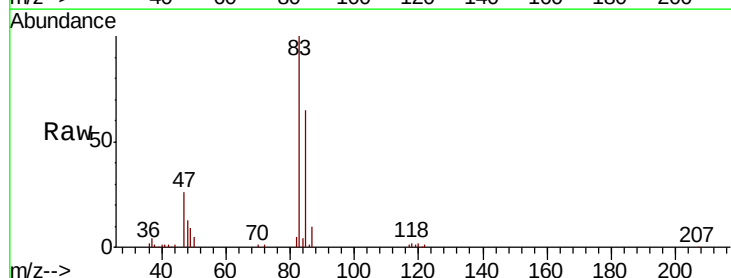


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

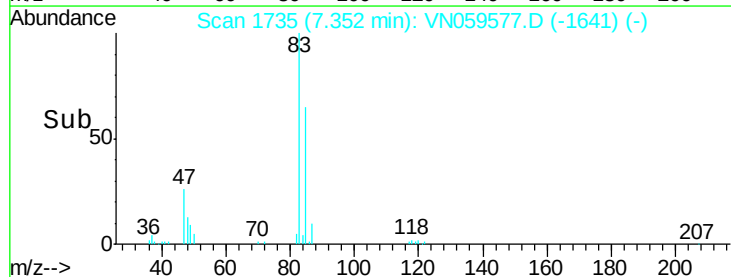
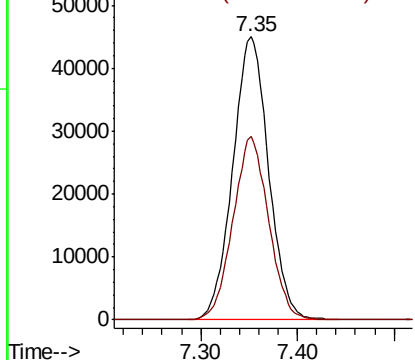


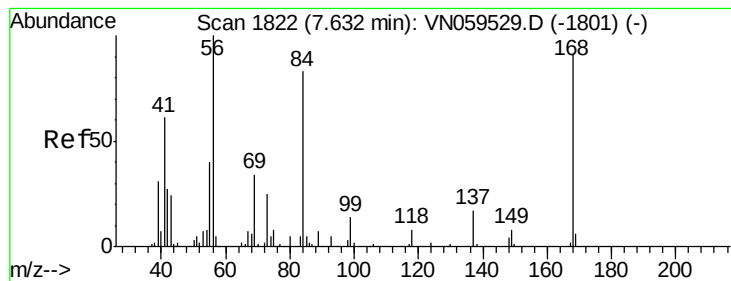
#30
Chloroform
Concen: 19.768 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	50.6	75.8



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.819 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

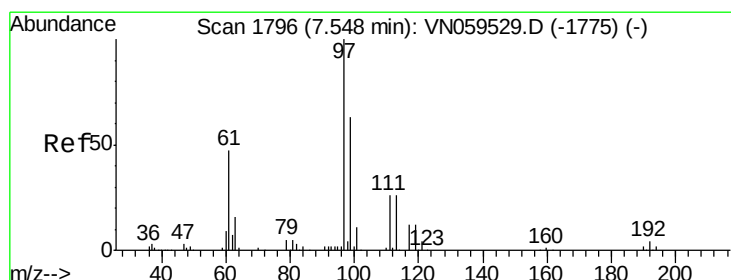
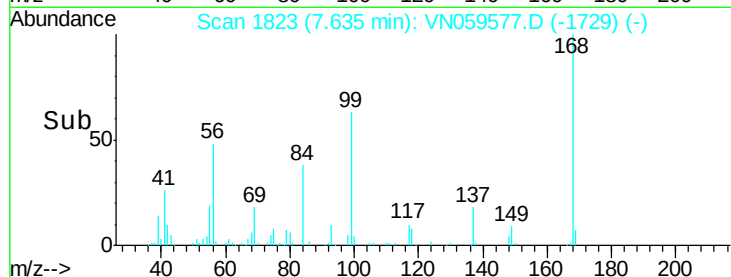
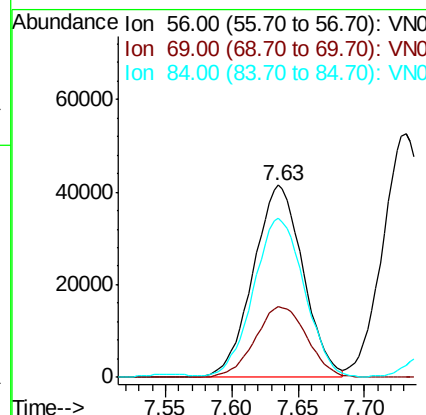
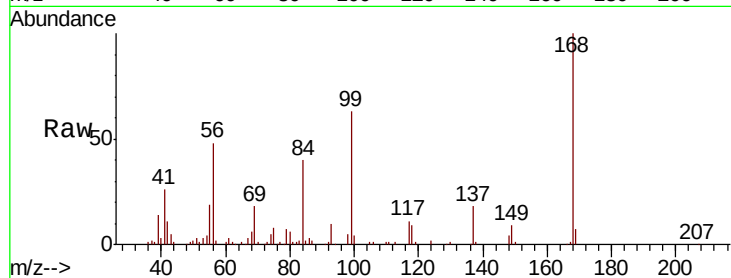
ClientSampleId :

VN1212WBSD01

Tot Ion	56	Resp	108485
Ion Ratio	Lower	Upper	
56	100		
69	36.7	26.9	40.3
84	81.9	66.5	99.7

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#32

1,1,1-Trichloroethane

Concen: 19.799 ug/l

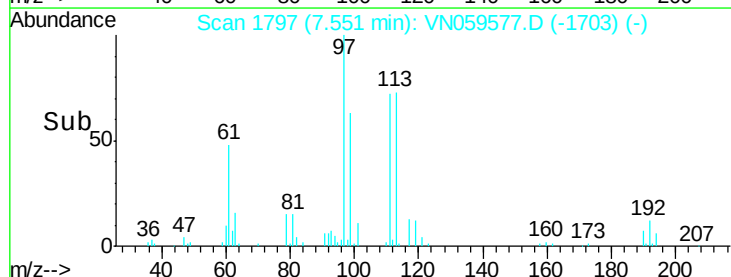
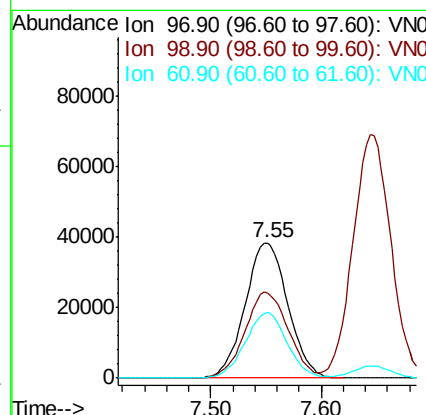
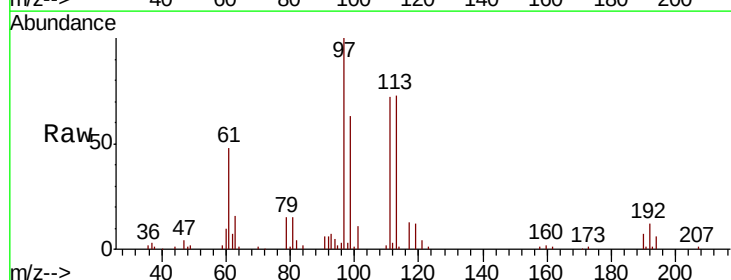
RT: 7.55 min Scan# 1797

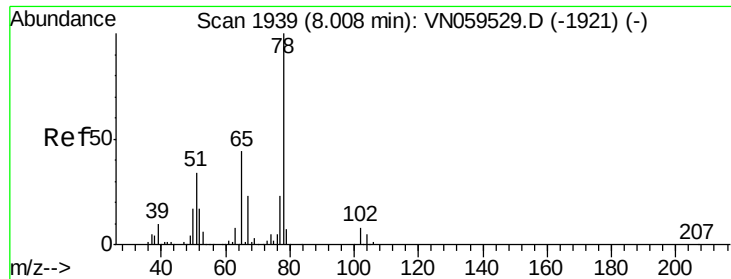
Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion	97	Resp	102688
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.4	77.2
61	47.5	38.5	57.7





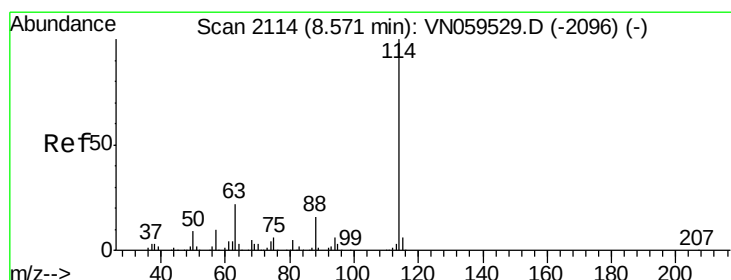
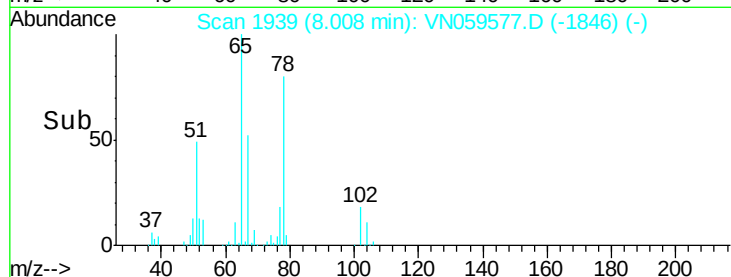
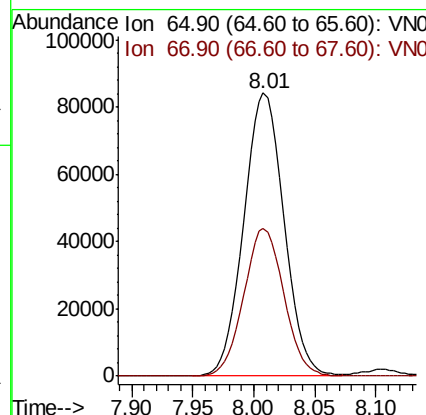
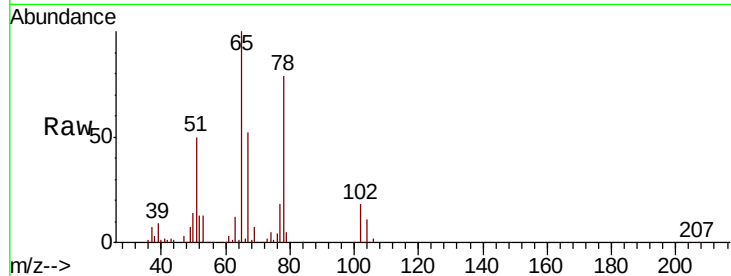
#33
 1,2-Dichloroethane-d4
 Concen: 50.310 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	192473		
67	51.9	0.0	103.6	

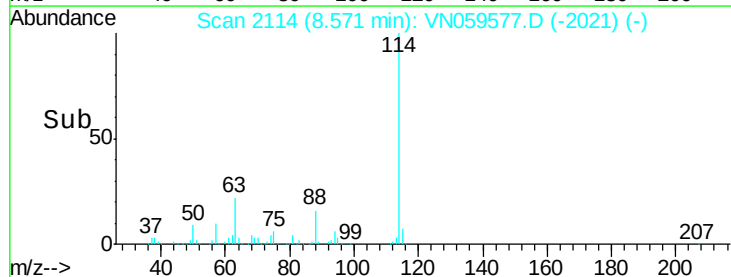
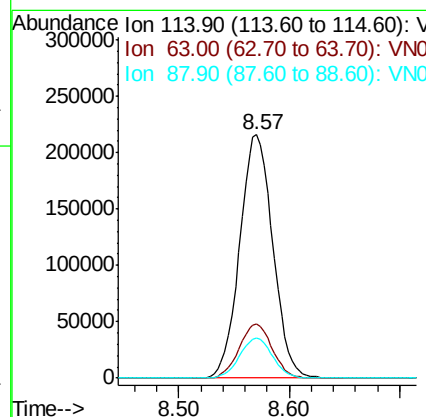
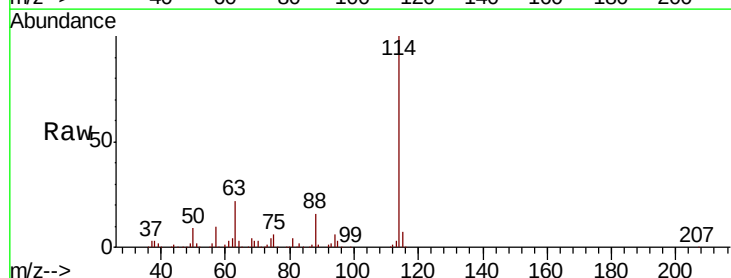
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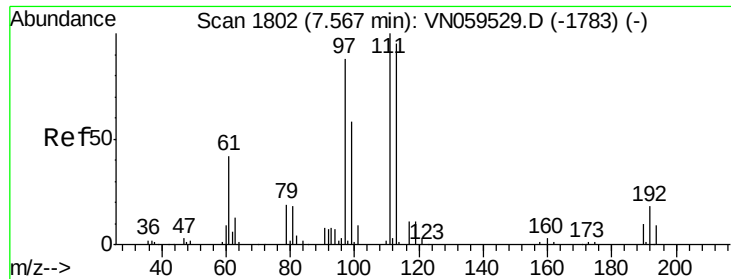
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	448892		
63	22.3	0.0	45.0	
88	16.2	0.0	32.2	





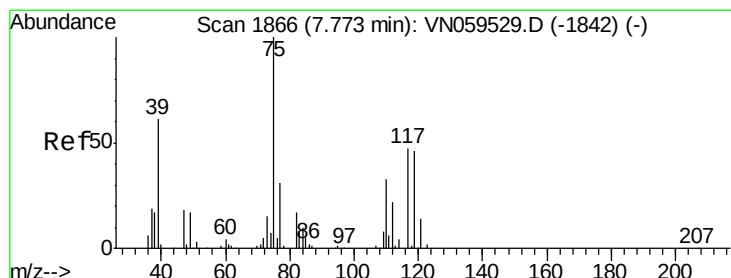
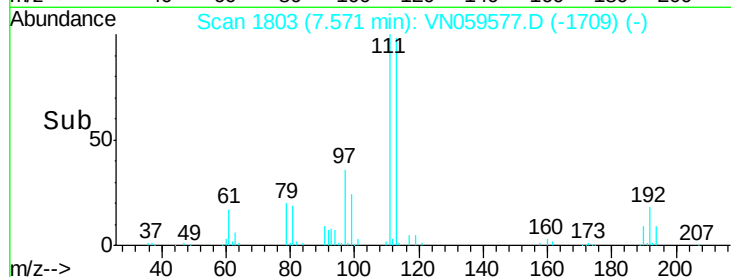
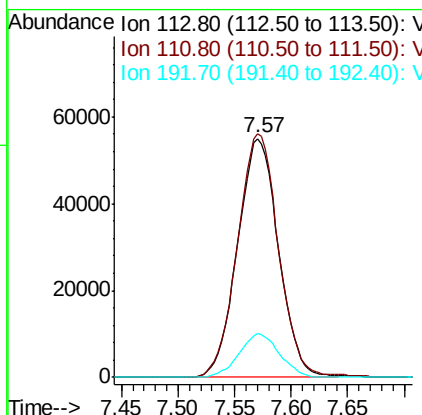
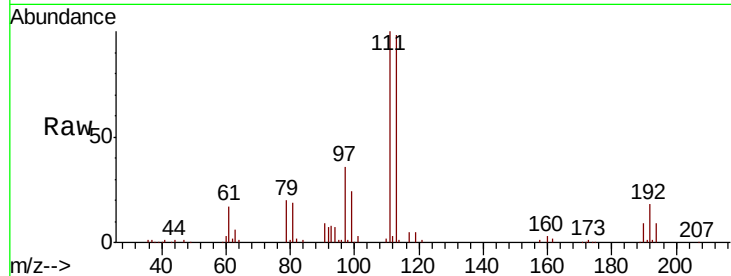
#35
 Dibromofluoromethane
 Concen: 51.513 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN1212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	137990		
111	102.8	82.2	123.4	
192	18.1	14.8	22.2	

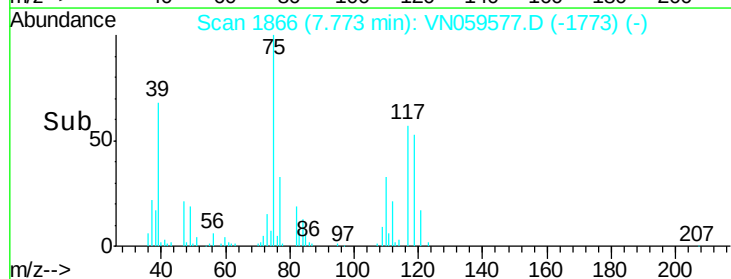
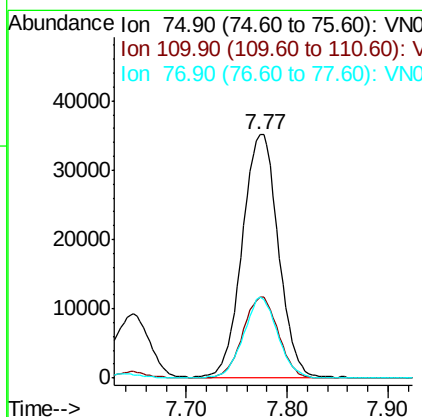
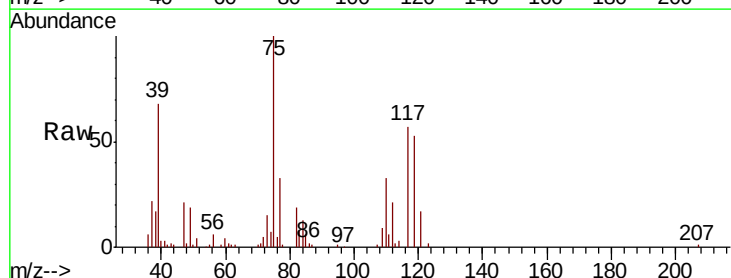
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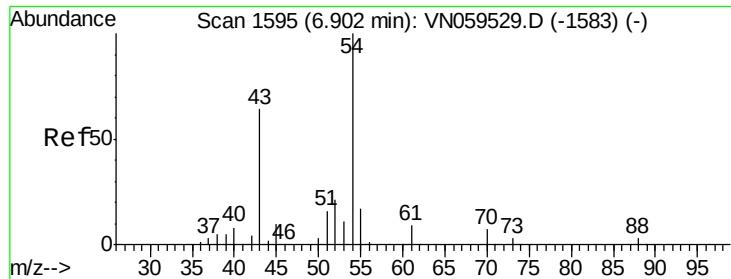
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#36
 1,1-Dichloropropene
 Concen: 19.012 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	87561		
110	32.4	16.7	50.0	
77	31.1	24.6	37.0	





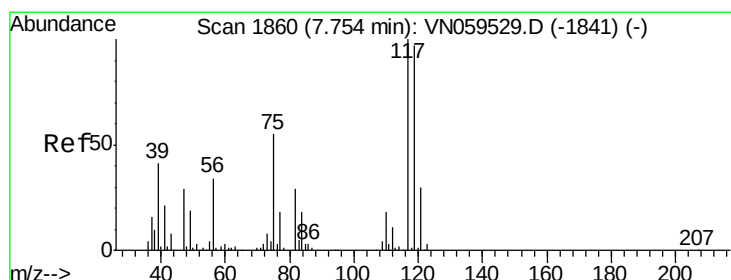
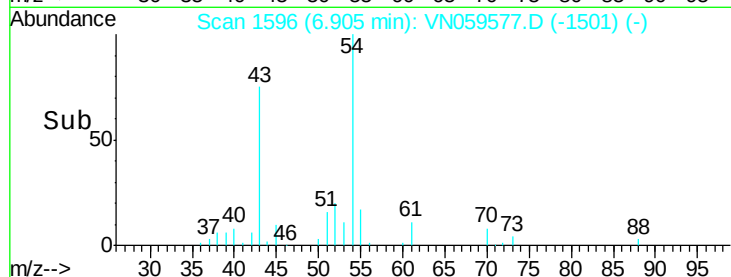
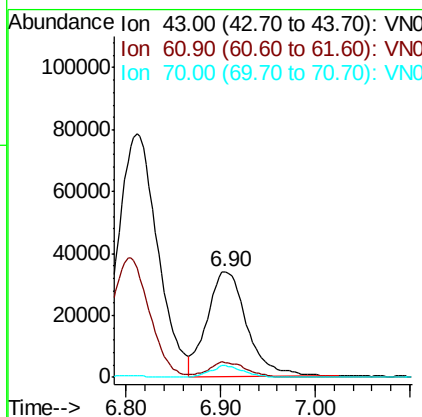
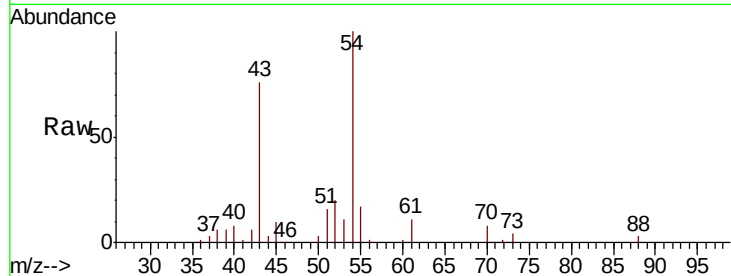
#37
Ethyl Acetate
Concen: 19.434 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	43	61	70
Ion Ratio	100	13.6	9.5
Resp: Lower		11.0	7.7
Upper		16.6	11.5

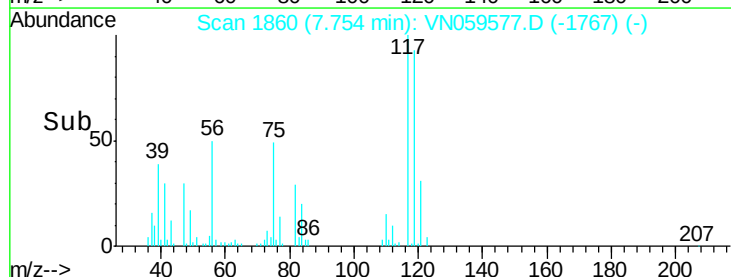
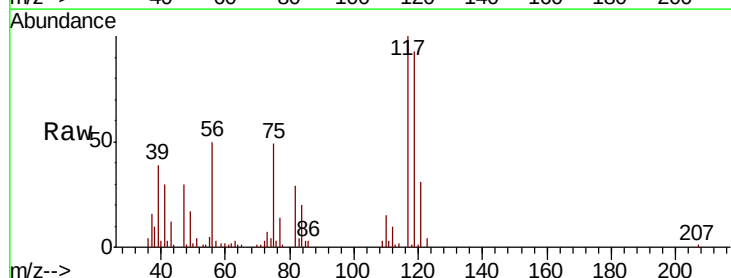
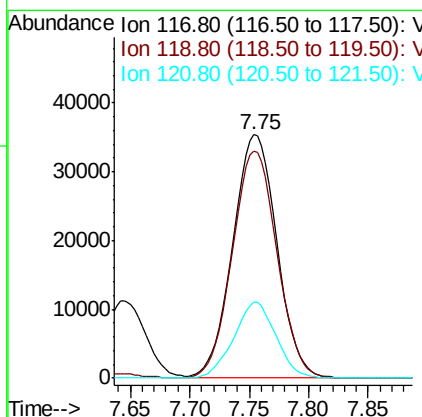
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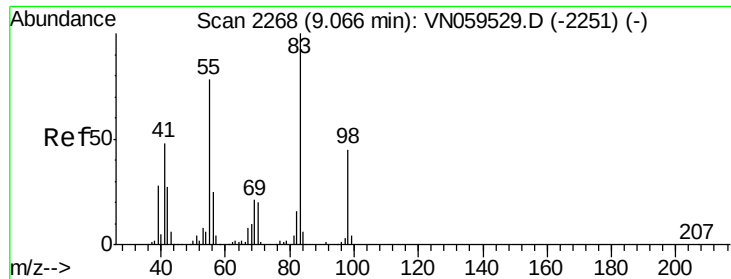
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#38
Carbon Tetrachloride
Concen: 20.041 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	117	119	121
Ion Ratio	100	93.5	31.1
Resp: Lower		77.0	24.1
Upper		115.4	36.1





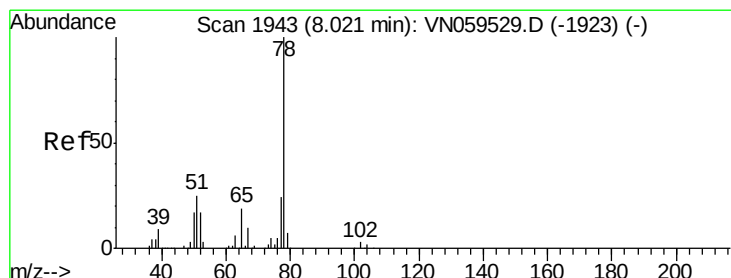
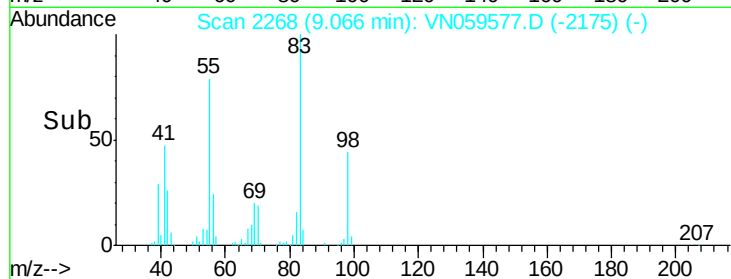
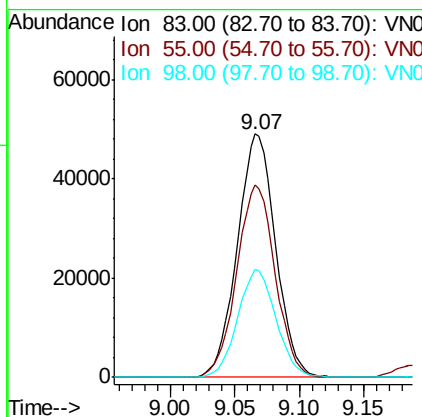
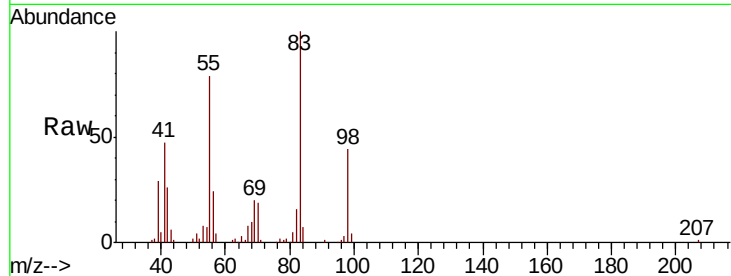
#39
Methylvlcyclohexane
Concen: 19.615 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	62.7	94.1
98	44.2	35.7	53.5

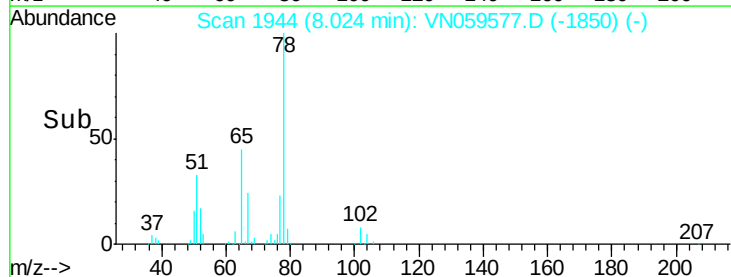
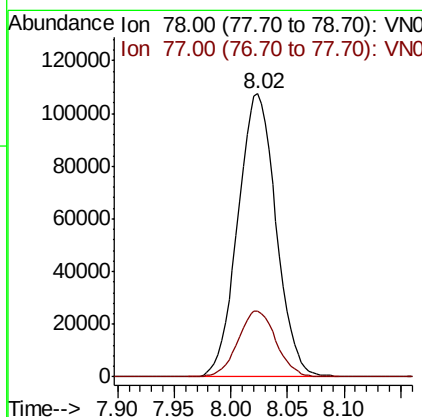
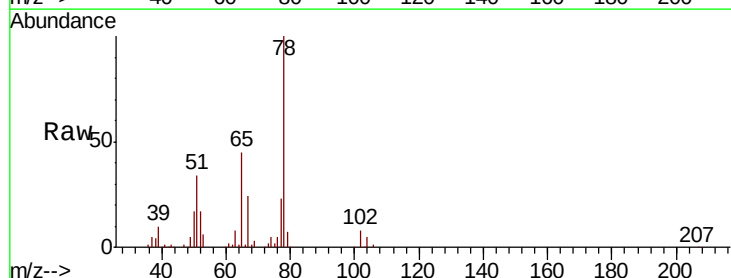
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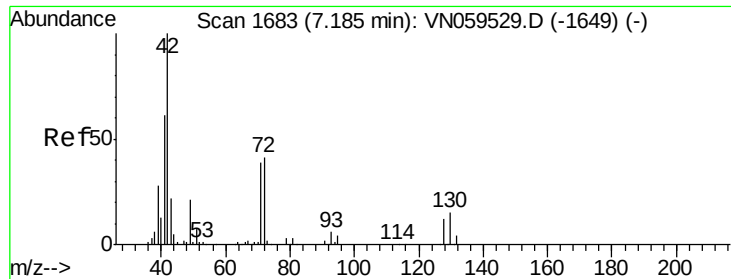
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#40
Benzene
Concen: 19.233 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





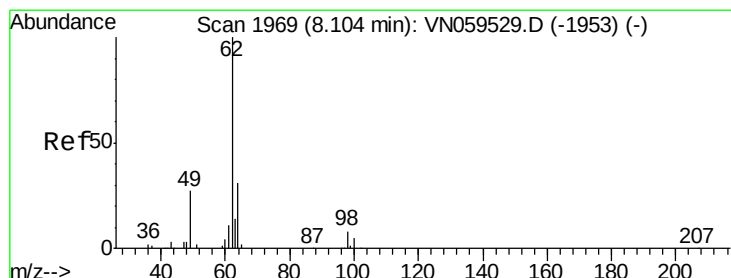
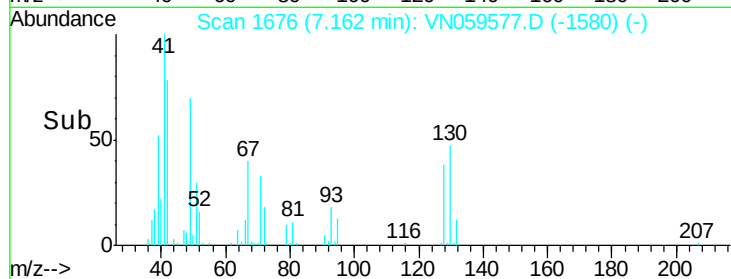
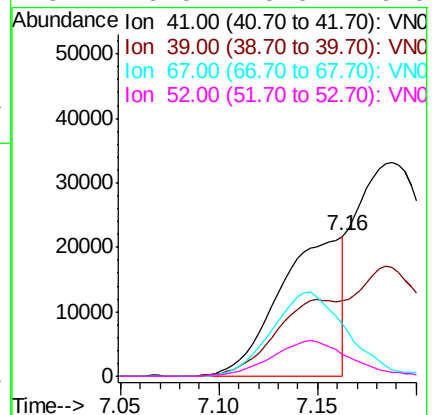
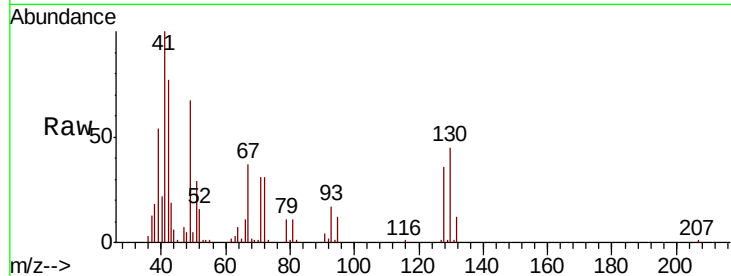
#41
Methacrylonitrile
Concen: 21.351 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	80.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

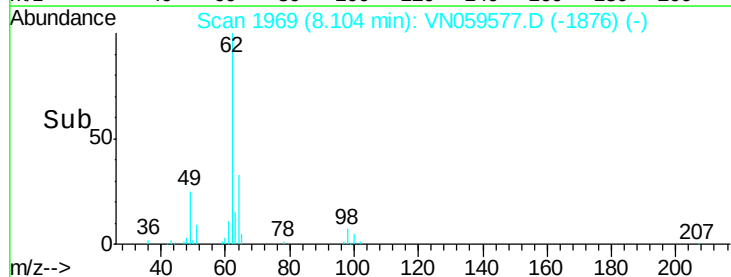
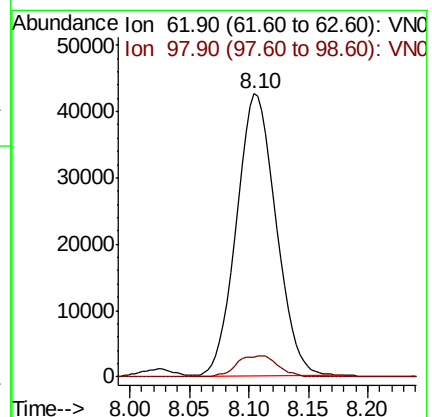
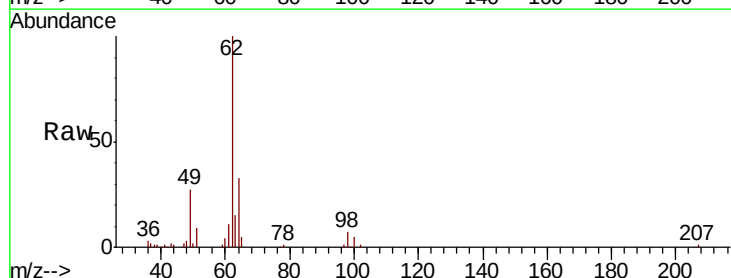
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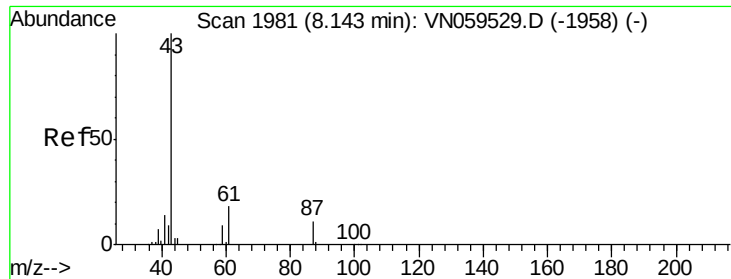
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#42
1,2-Dichloroethane
Concen: 20.029 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.9	0.0	15.4	





#43

Isopropyl Acetate

Concen: 19.238 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

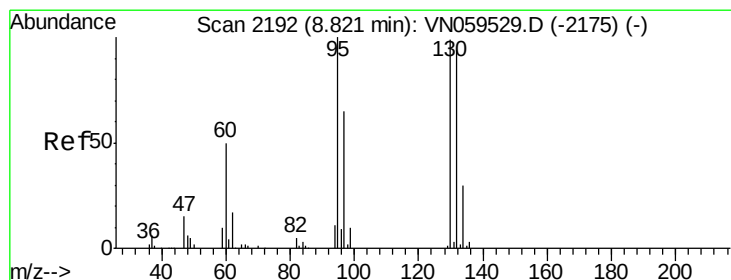
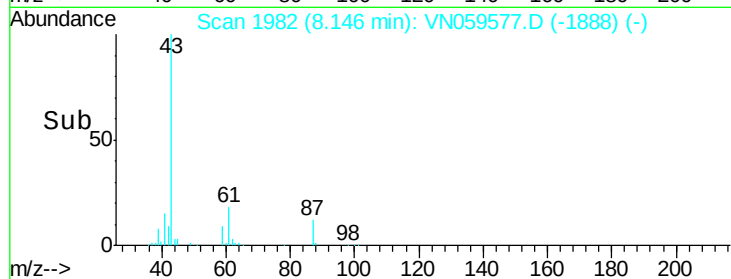
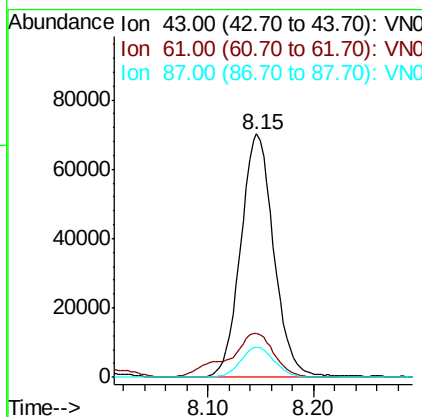
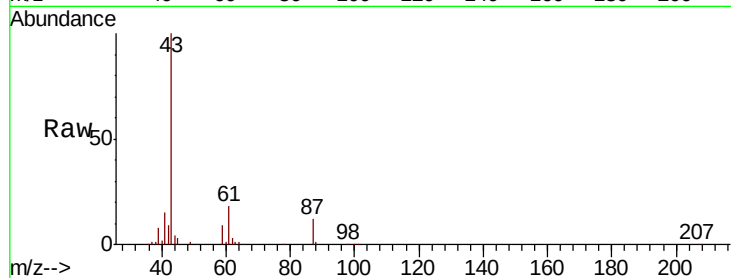
ClientSampleId :

VN1212WBSD01

Tot Ion:	43	Resp:	152945
Ion	Ratio	Lower	Upper
43	100		
61	25.3	19.8	29.6
87	12.4	9.4	14.2

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#44

Trichloroethene

Concen: 19.467 ug/l

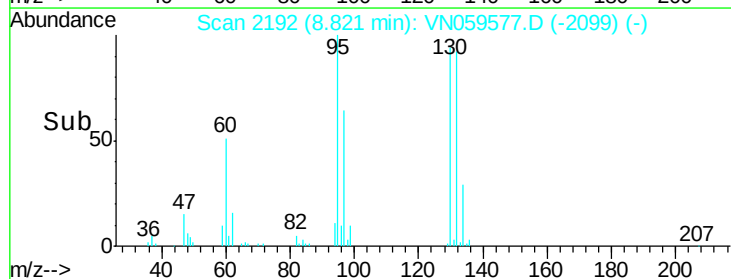
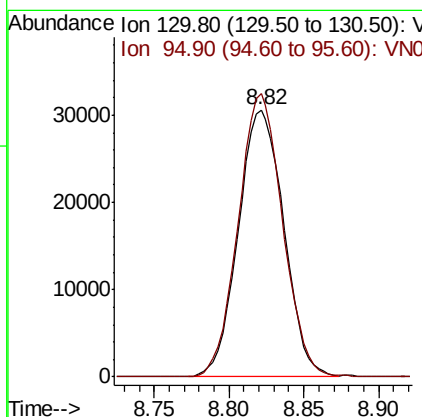
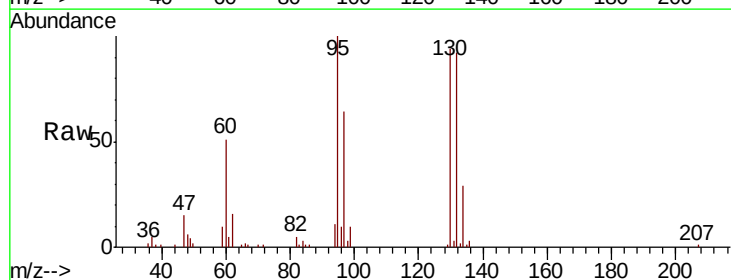
RT: 8.82 min Scan# 2192

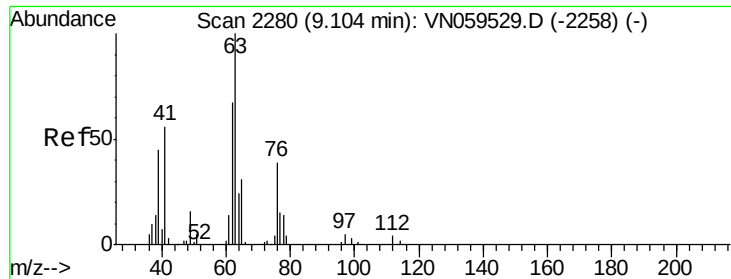
Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion:	130	Resp:	64705
Ion	Ratio	Lower	Upper
130	100		
95	106.1	0.0	202.0





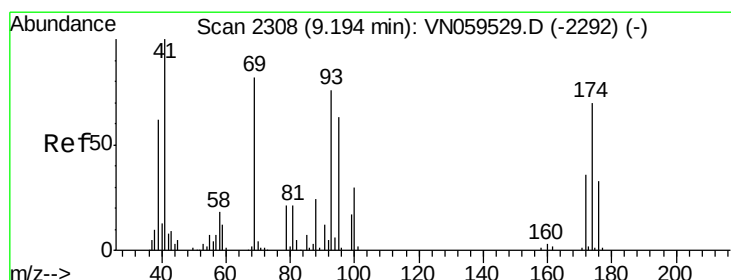
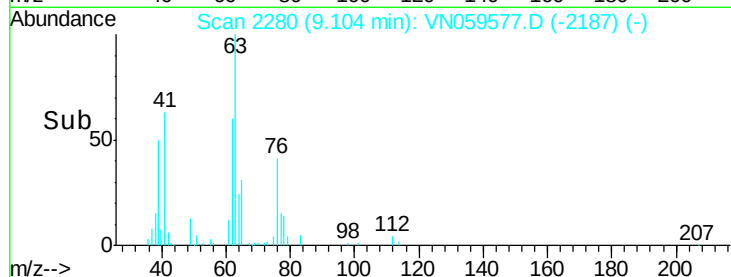
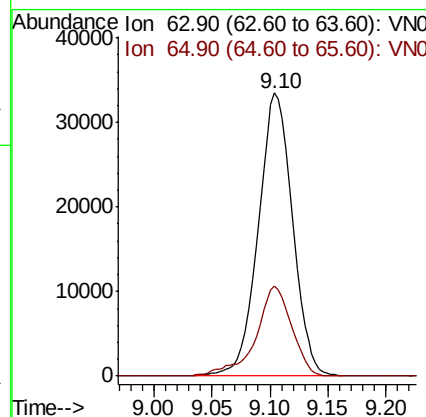
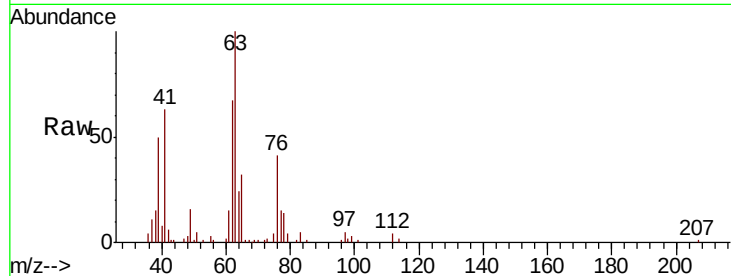
#45
 1,2-Dichloropropane
 Concen: 19.794 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Tot Ion: 63 Resp: 68989
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.8 37.2

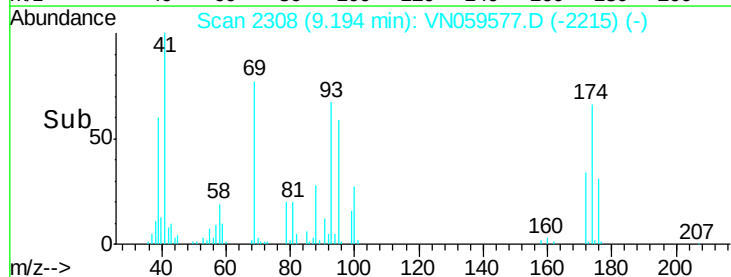
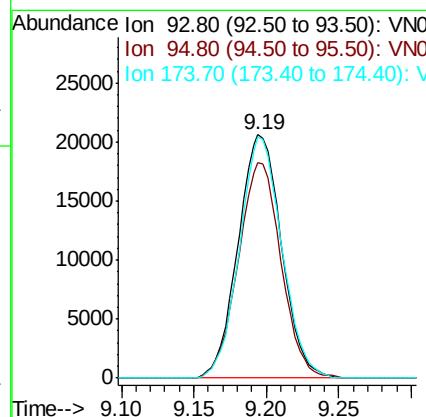
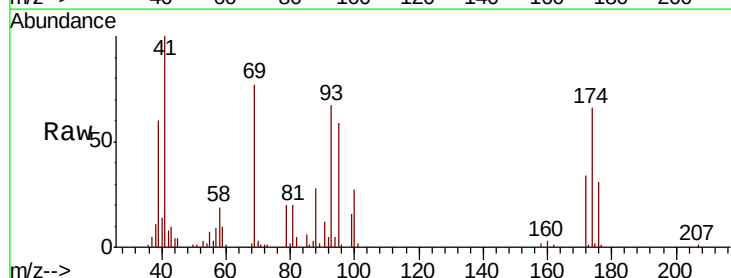
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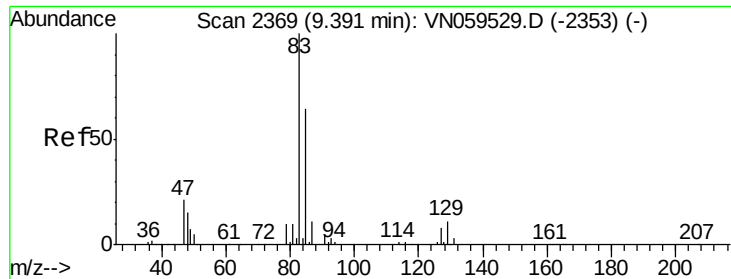
apatel
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#46
 Dibromomethane
 Concen: 18.586 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion: 93 Resp: 42811
 Ion Ratio Lower Upper
 93 100
 95 87.3 67.0 100.6
 174 96.7 75.6 113.4





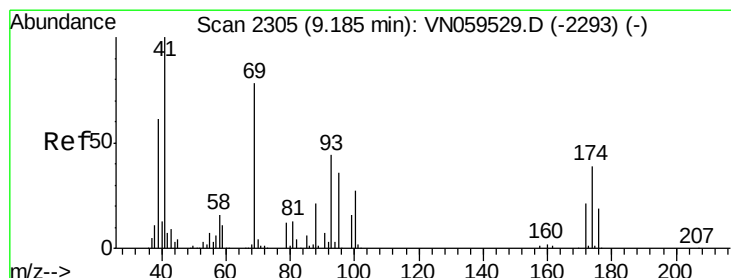
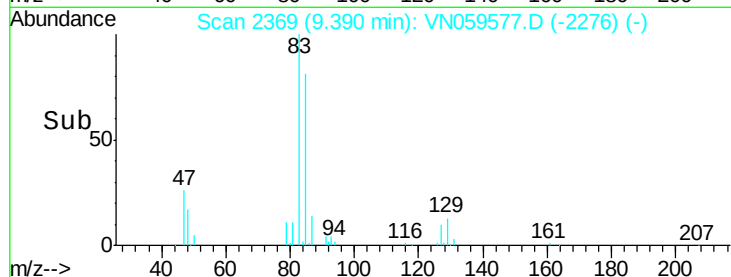
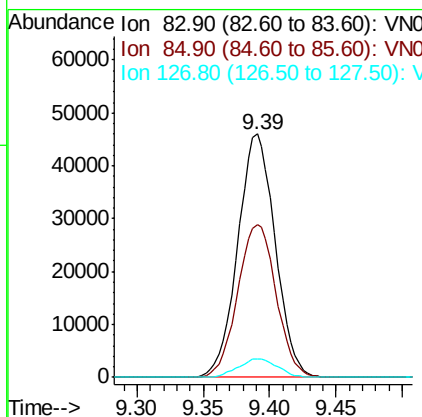
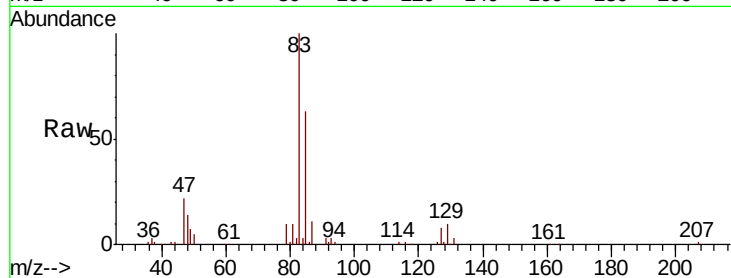
#47
Bromodichloromethane
Concen: 19.750 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	83	Resp	90410
Ion Ratio	100		
83	100		
85	62.9	51.4	77.0
127	7.7	6.7	10.1

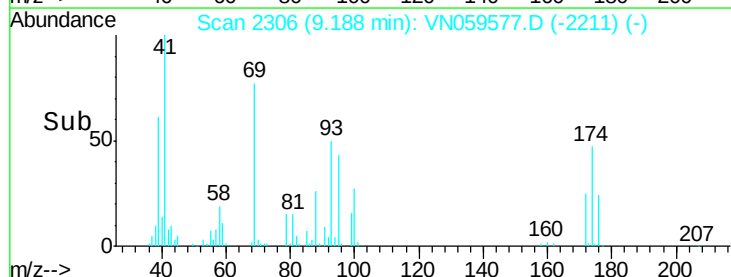
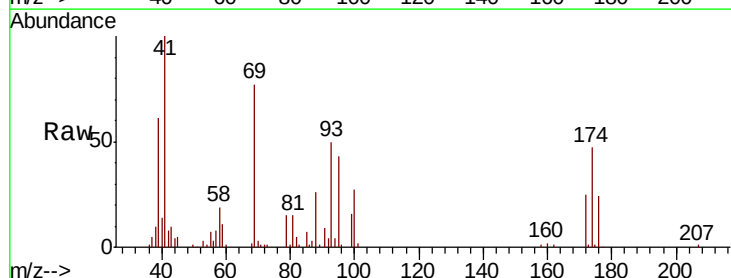
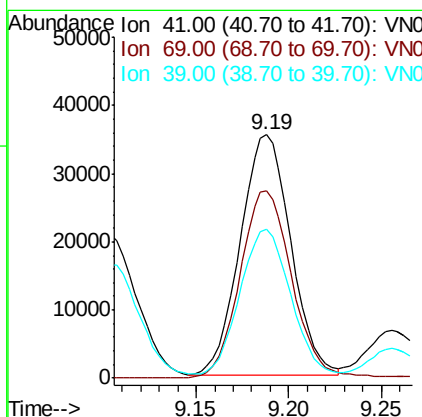
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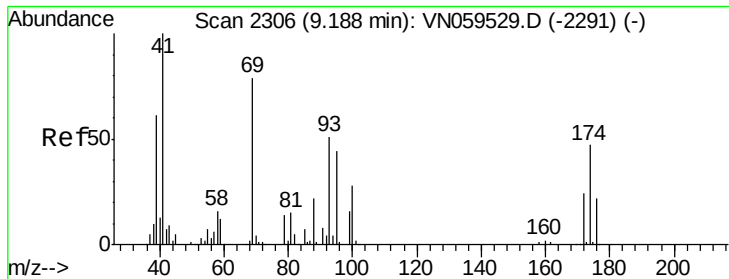
apatel
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#48
Methyl methacrylate
Concen: 19.265 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	41	Resp	66966
Ion Ratio	100		
41	100		
69	79.8	64.0	96.0
39	63.2	50.0	75.0





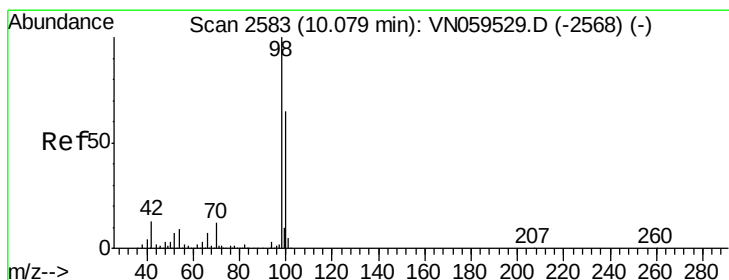
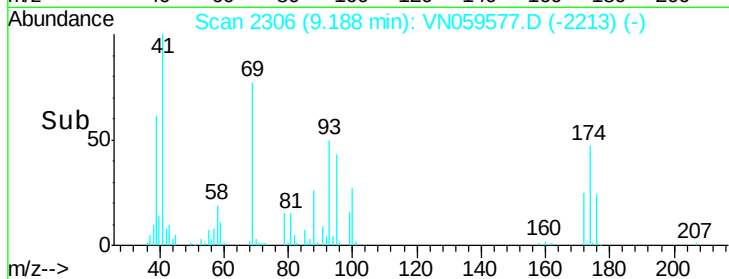
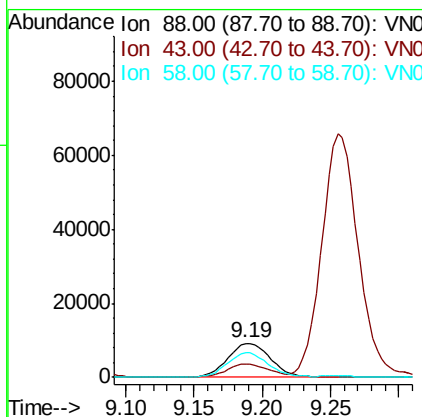
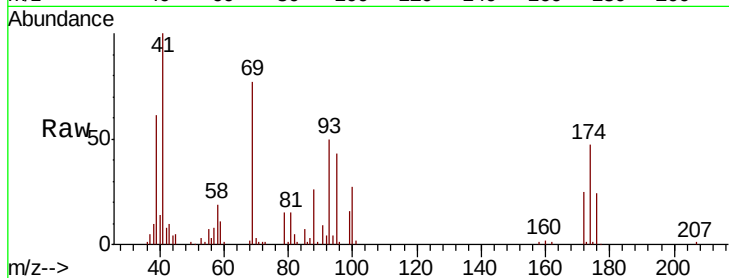
#49
1,4-Dioxane
Concen: 450.094 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	88	Resp	20018
Ion	Ratio	Lower	Upper
88	100		
43	38.0	31.4	47.0
58	69.9	61.0	91.6

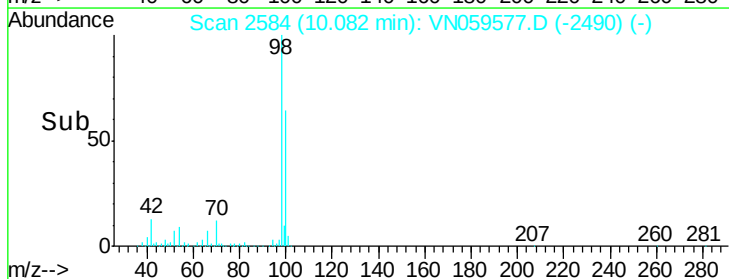
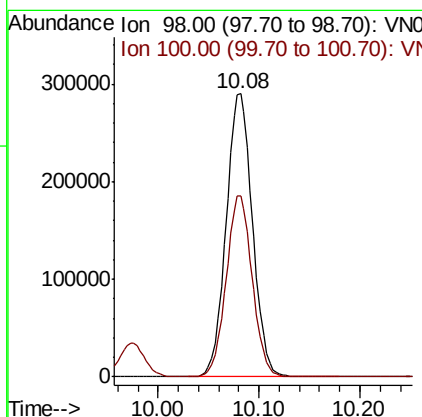
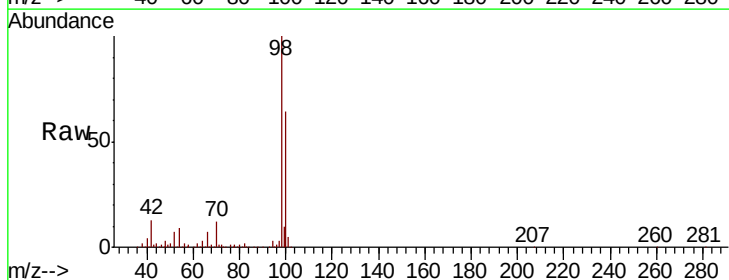
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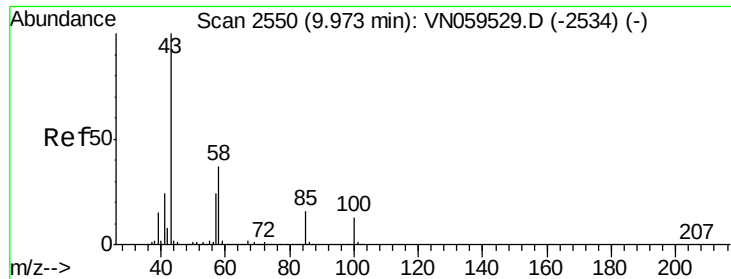
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#50
Toluene-d8
Concen: 48.269 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	98	Resp	527872
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.8	77.8





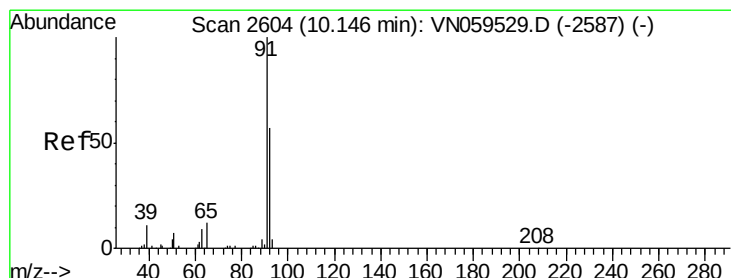
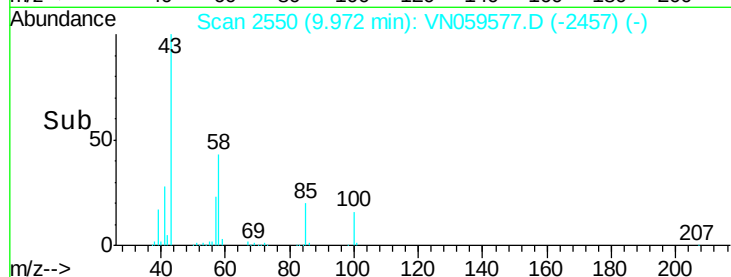
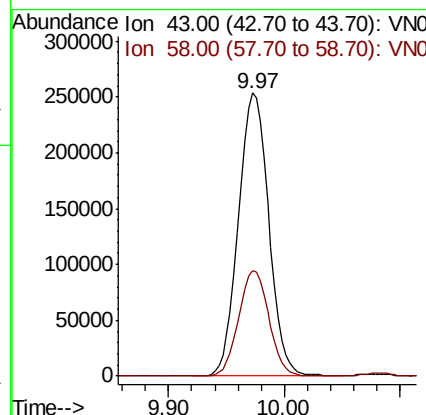
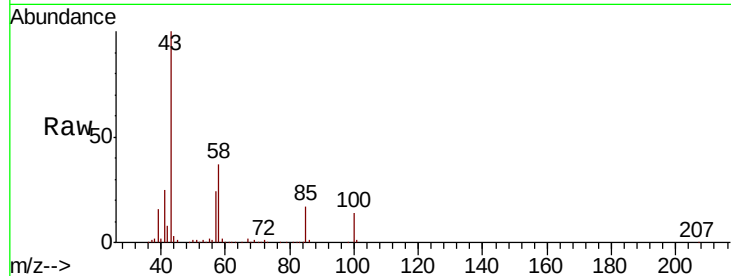
#51
4-Methyl-2-Pentanone
Concen: 90.651 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.1	30.1	45.1

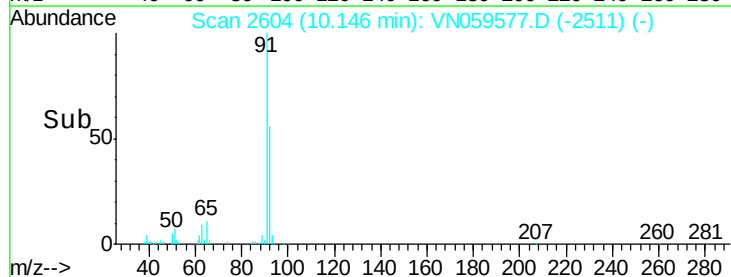
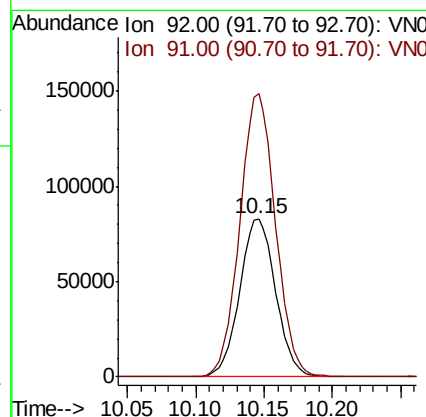
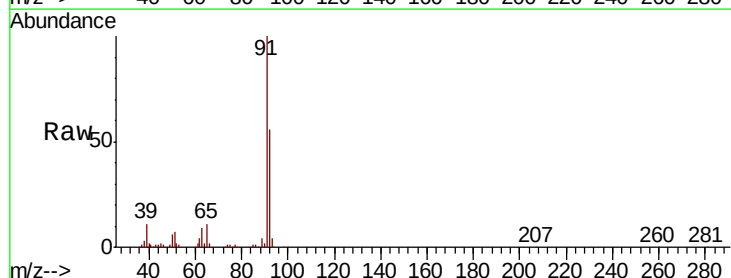
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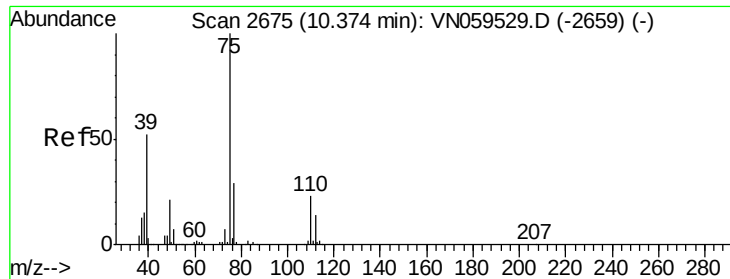
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#52
Toluene
Concen: 19.368 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	177.7	140.7	211.1





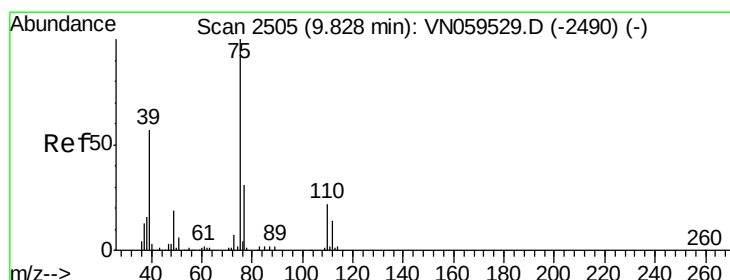
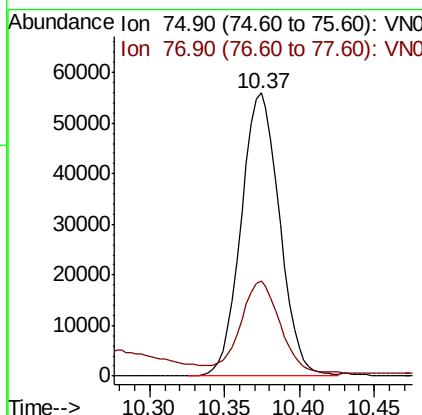
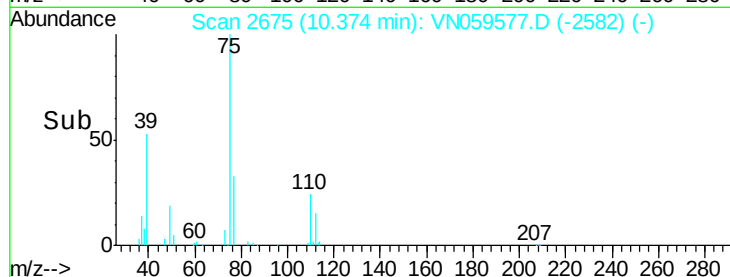
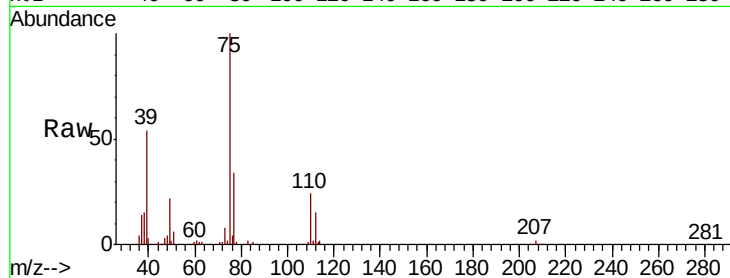
#53
t-1,3-Dichloropropene
Concen: 18.839 ug/l
RT: 10.37 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion: 75 Resp: 100479
Ion Ratio Lower Upper
75 100
77 32.1 24.5 36.7

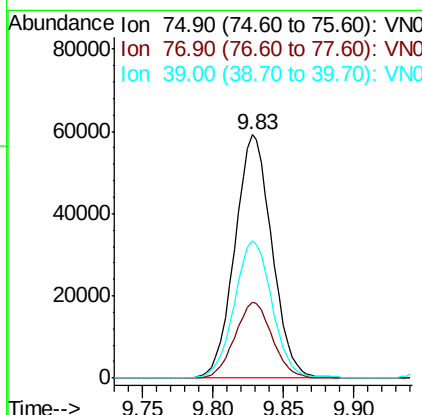
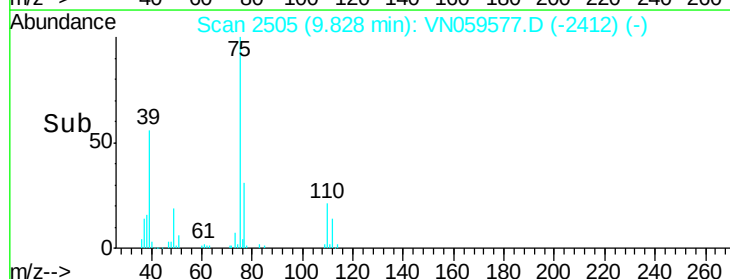
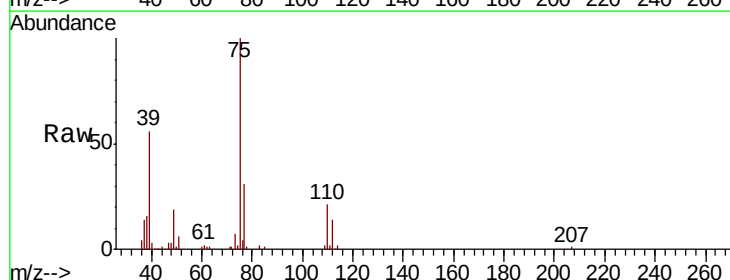
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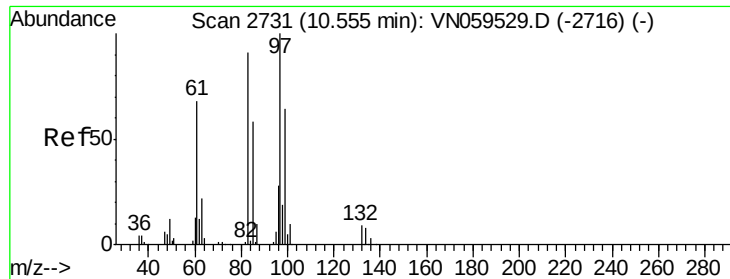
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#54
cis-1,3-Dichloropropene
Concen: 19.936 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 75 Resp: 108829
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8
39 56.2 45.6 68.4





#55

1,1,2-Trichloroethane

Concen: 19.101 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

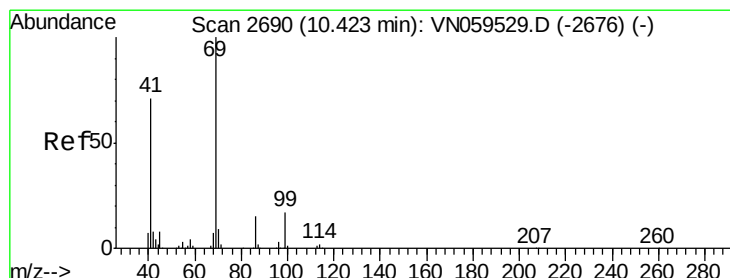
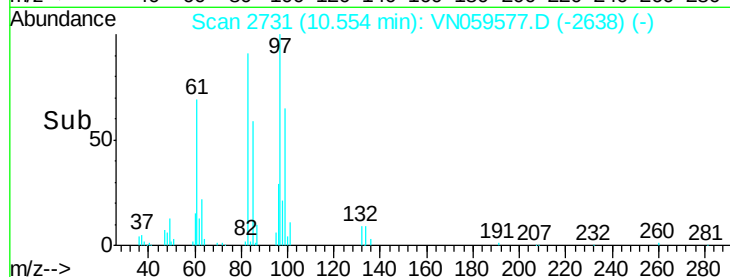
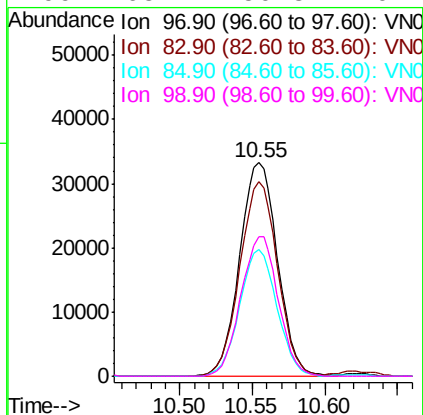
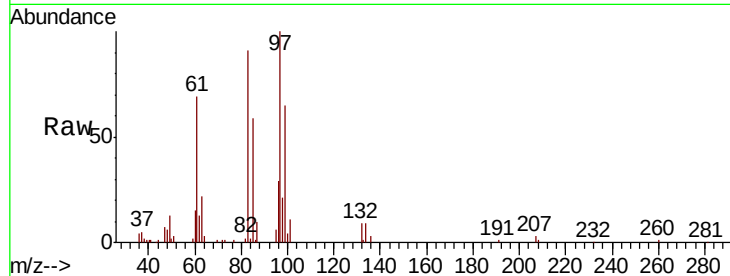
ClientSampleId :

VN1212WBSD01

Tot Ion:	97	Resp:	60558
Ion	Ratio	Lower	Upper
97	100		
83	90.9	72.9	109.3
85	59.1	46.1	69.1
99	65.1	50.8	76.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 17.231 ug/l

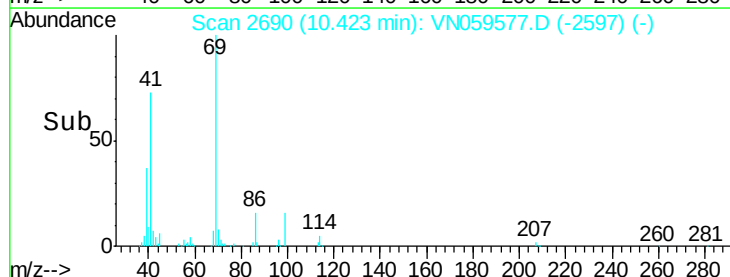
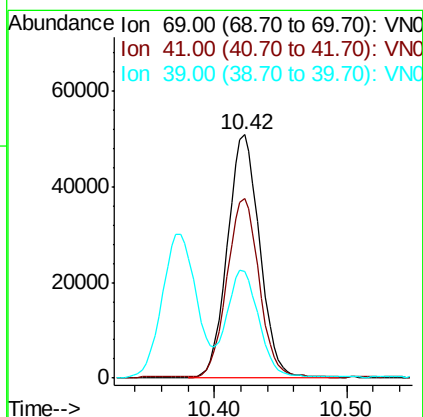
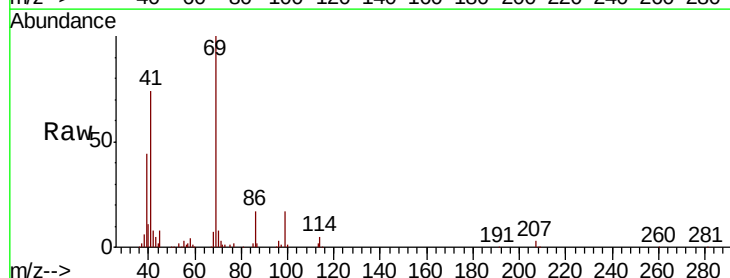
RT: 10.42 min Scan# 2690

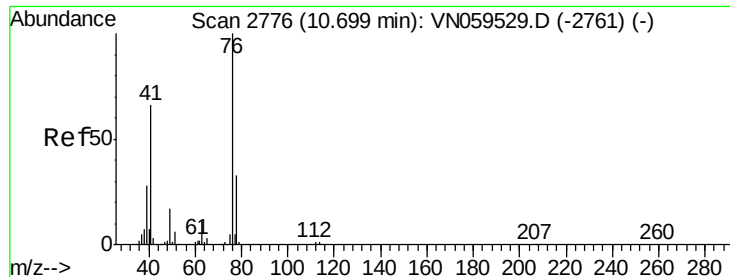
Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion:	69	Resp:	86156
Ion	Ratio	Lower	Upper
69	100		
41	73.1	57.7	86.5
39	42.9	34.2	51.2





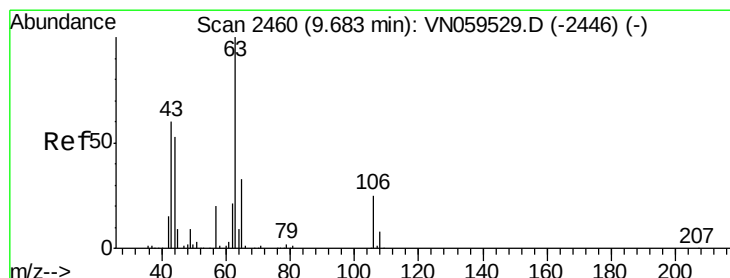
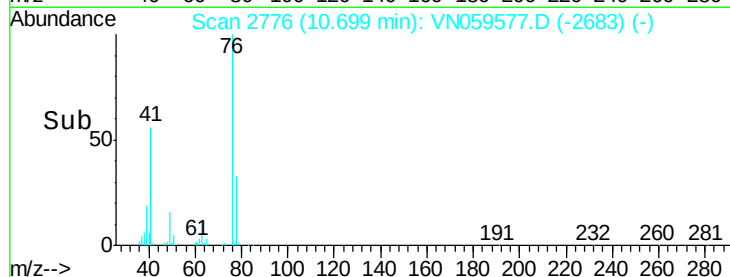
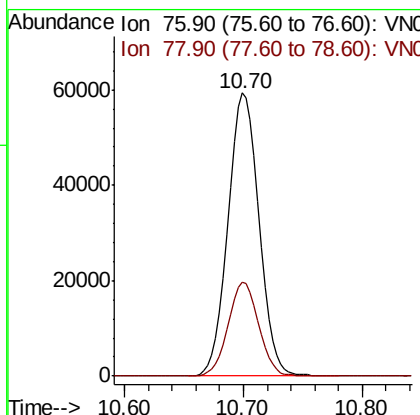
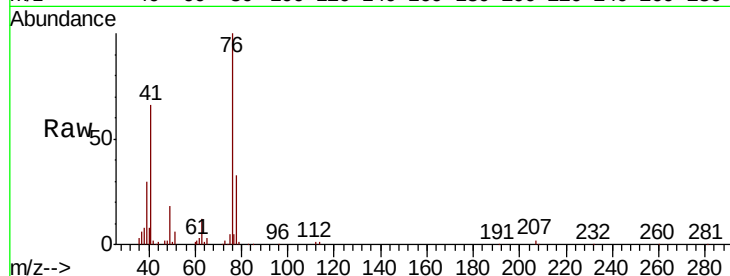
#57
 1,3-Dichloropropane
 Concen: 19.795 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Tot Ion: 76 Resp: 107183
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

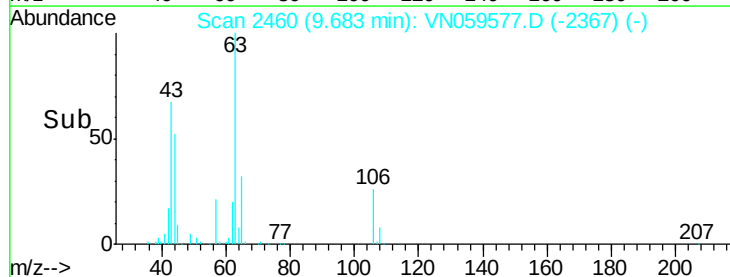
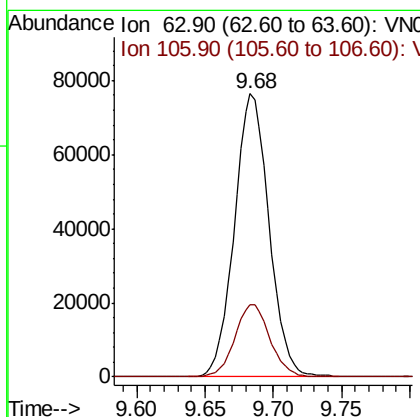
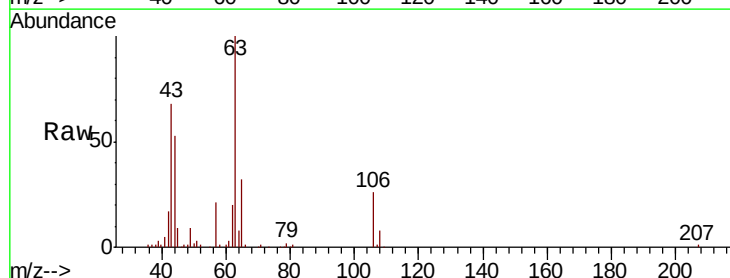
Manual Integrations
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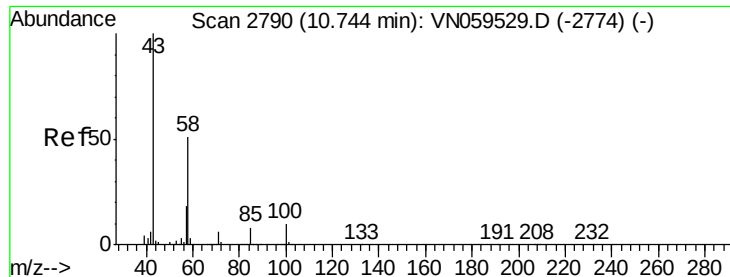
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 12/13/2019 2:17:13 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.777 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. 0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion: 63 Resp: 134785
 Ion Ratio Lower Upper
 63 100
 106 25.8 19.9 29.9





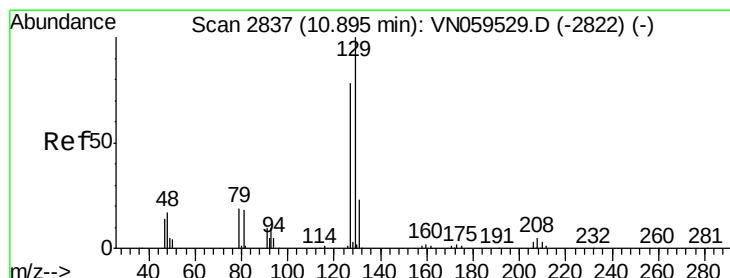
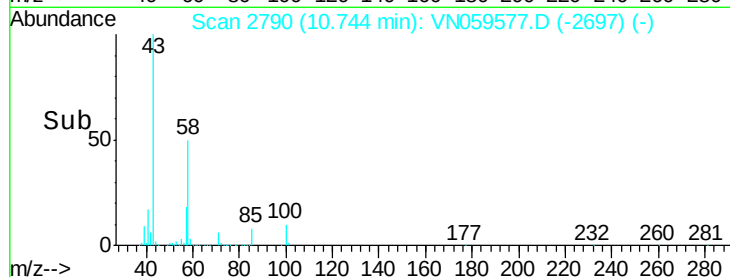
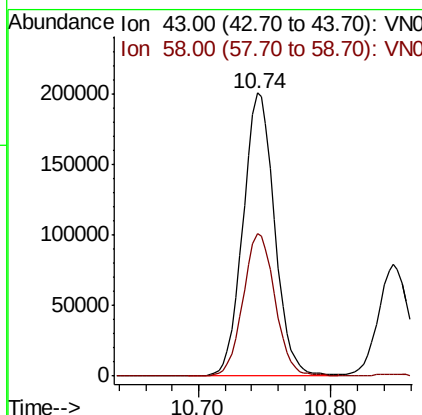
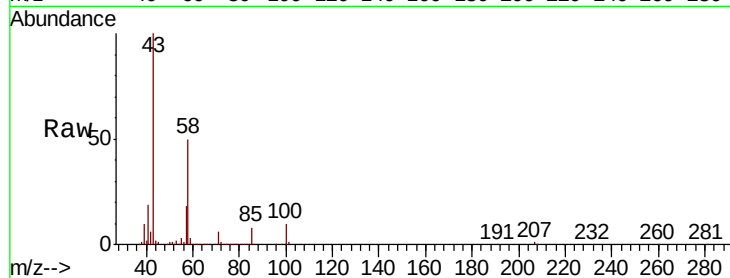
#59
2-Hexanone
Concen: 87.719 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion: 43 Resp: 332843
Ion Ratio Lower Upper
43 100
58 50.8 25.9 77.6

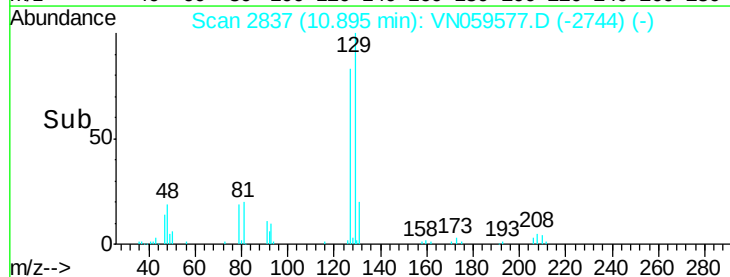
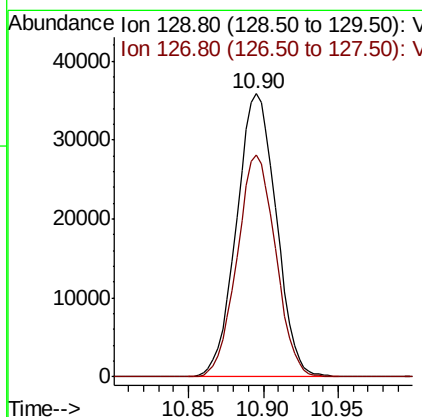
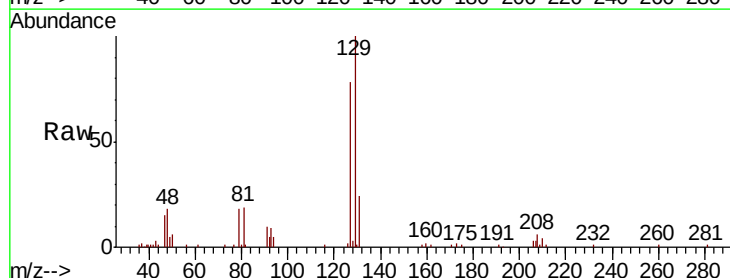
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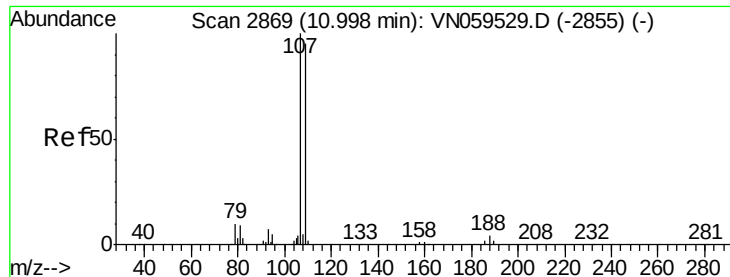
apatel
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#60
Dibromochloromethane
Concen: 18.215 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion: 129 Resp: 66350
Ion Ratio Lower Upper
129 100
127 76.1 38.9 116.6





#61

1,2-Dibromoethane

Concen: 18.882 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

Tot Ion: 107 Resp: 62320

Ion Ratio Lower Upper

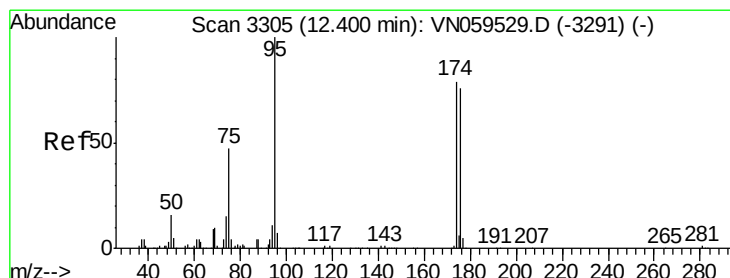
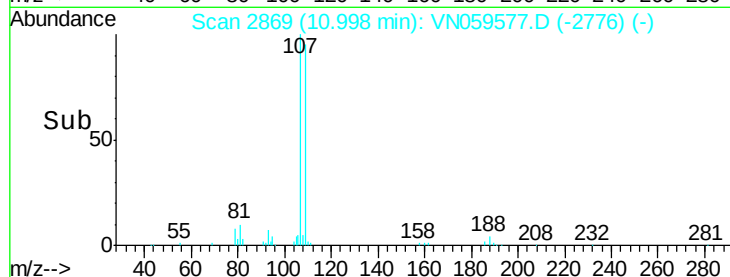
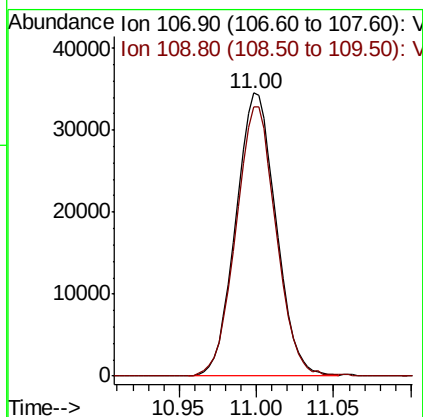
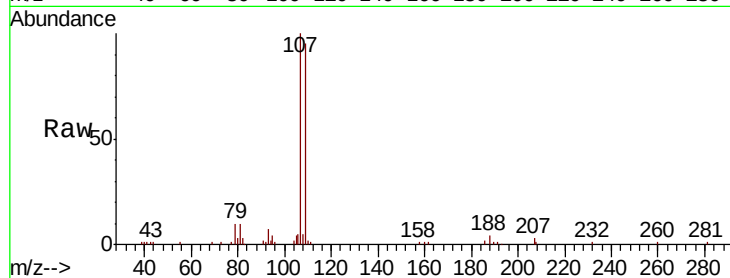
107 100

109 95.2 76.1 114.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 46.312 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

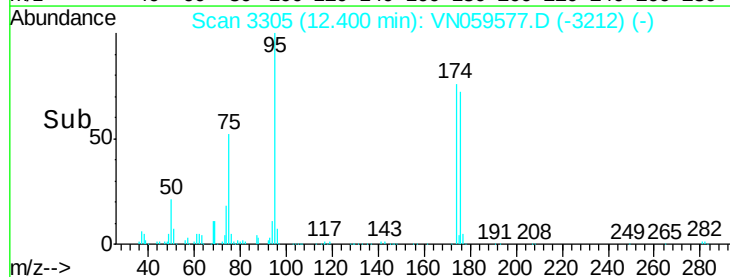
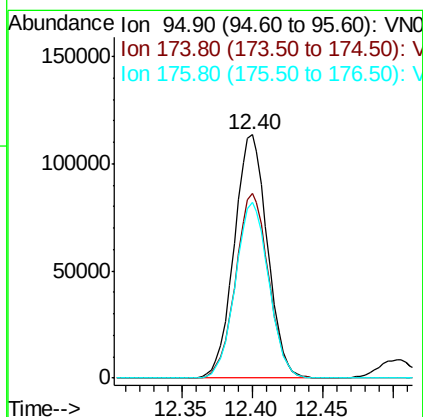
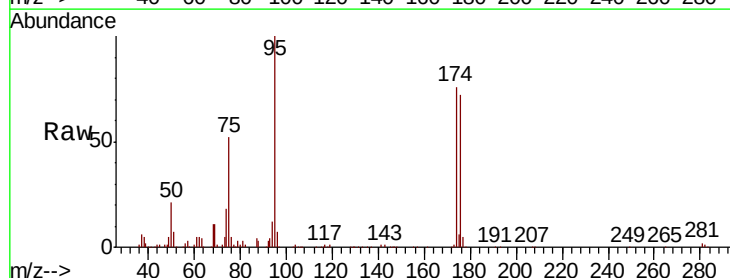
Tgt Ion: 95 Resp: 187480

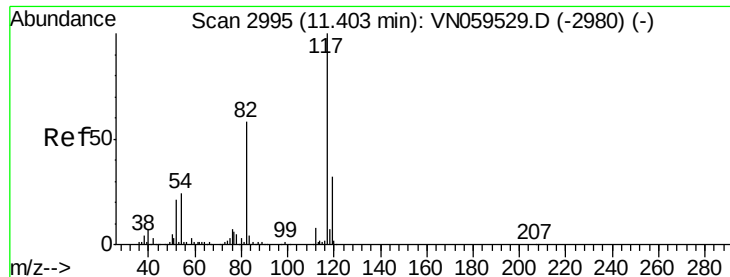
Ion Ratio Lower Upper

95 100

174 75.4 0.0 158.0

176 72.6 0.0 155.4





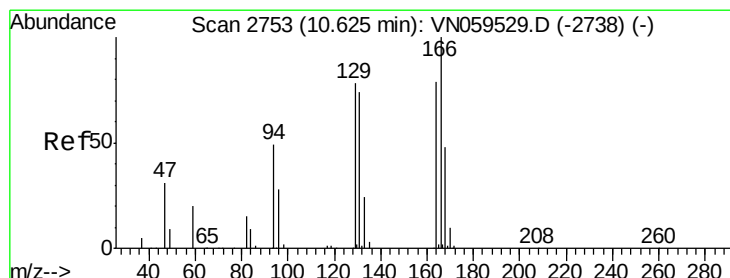
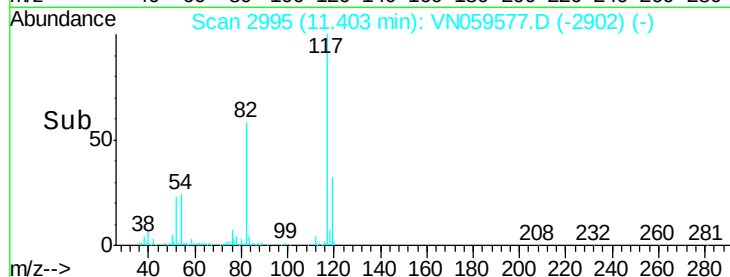
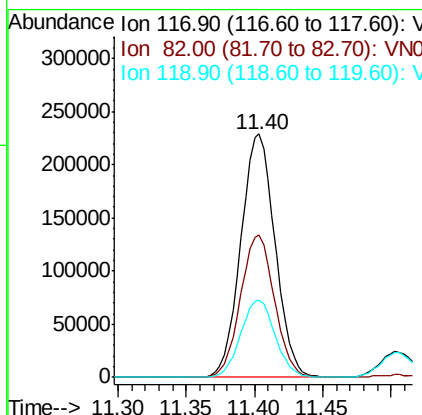
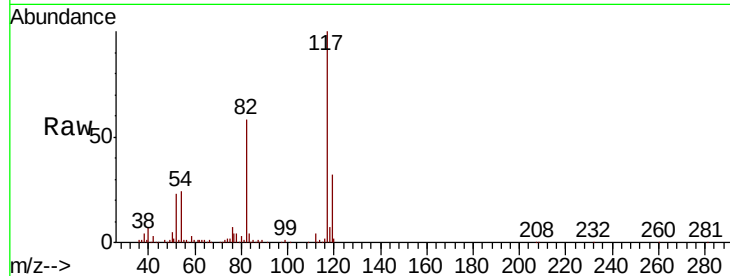
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	46.5	69.7
119	31.8	25.2	37.8

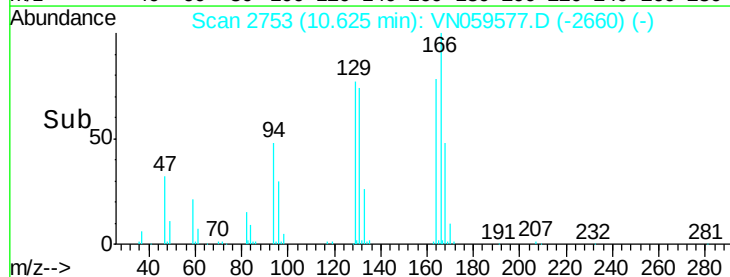
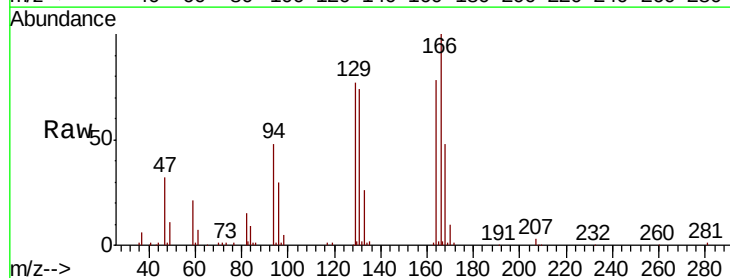
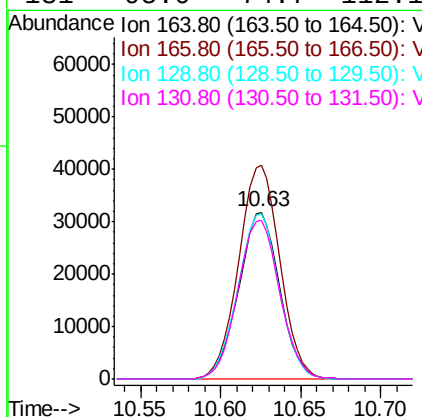
Manual Integrations
APPROVED

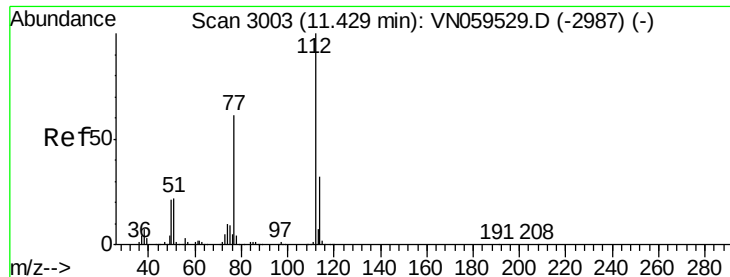
apatel
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#64
Tetrachloroethene
Concen: 19.013 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	101.6	152.4
129	99.2	79.0	118.6
131	95.0	74.7	112.1





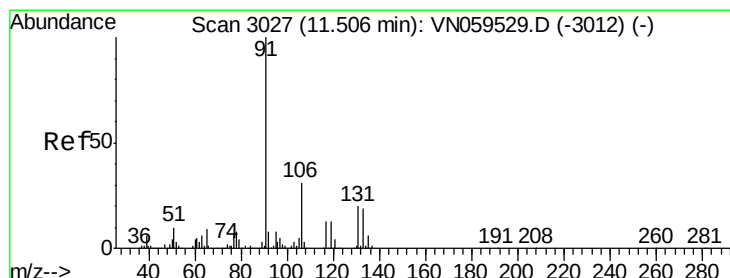
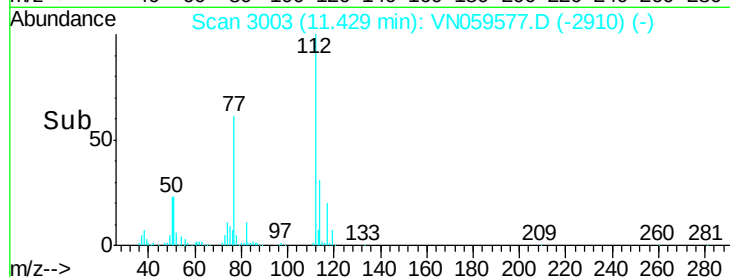
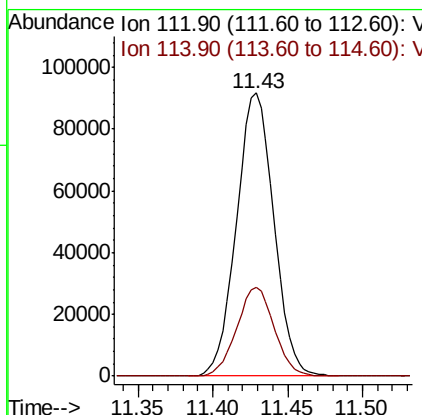
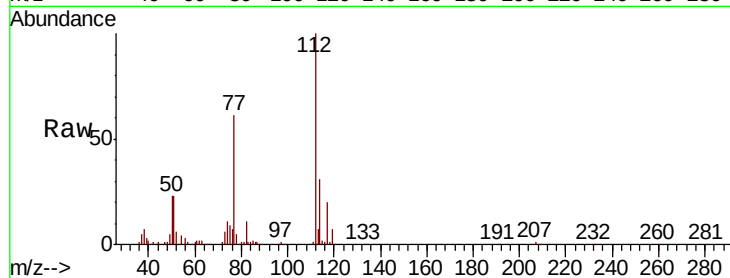
#65
Chlorobenzene
Concen: 19.113 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.0	39.0

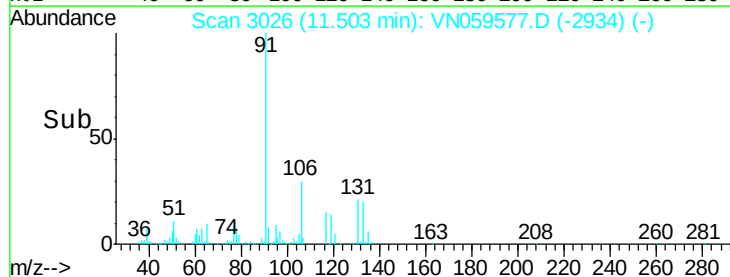
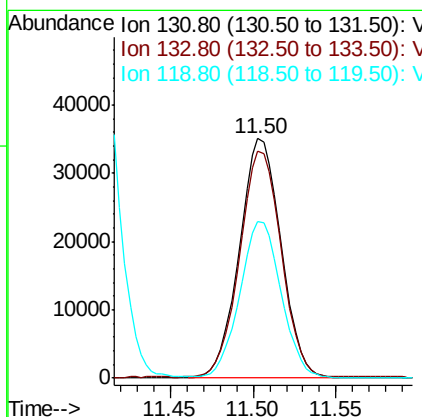
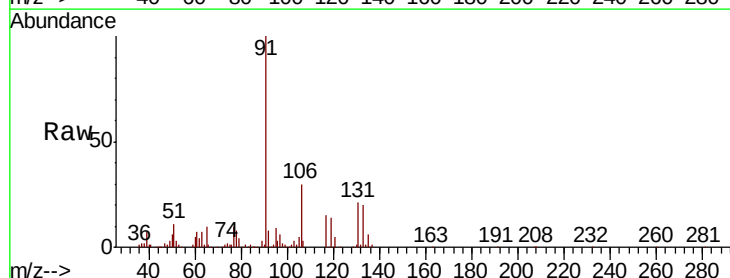
Manual Integrations
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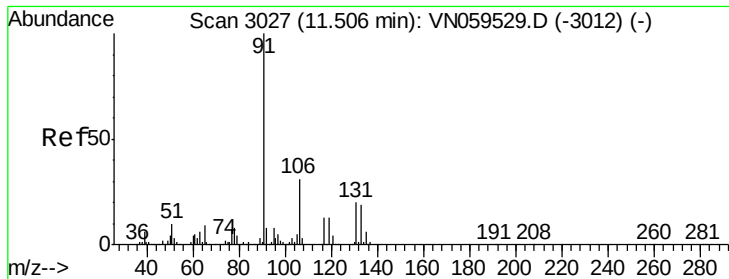
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.638 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.8	143.3
119	65.3	33.4	100.2





#67

Ethyl Benzene

Concen: 19.308 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

Tot Ion: 91 Resp: 290170

Ion Ratio Lower Upper

91 100

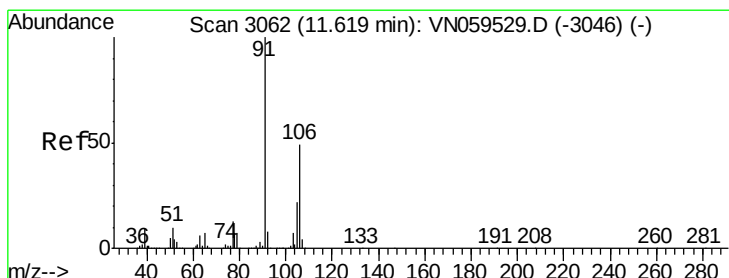
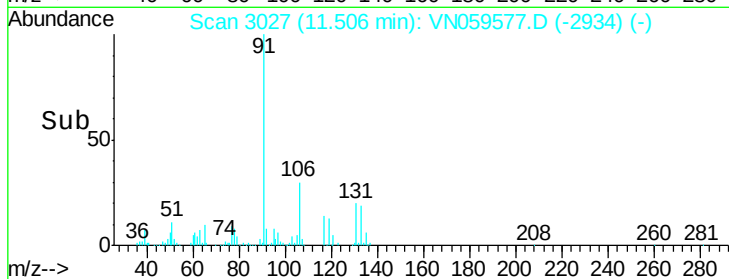
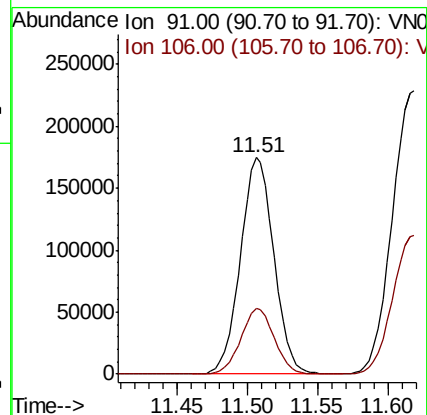
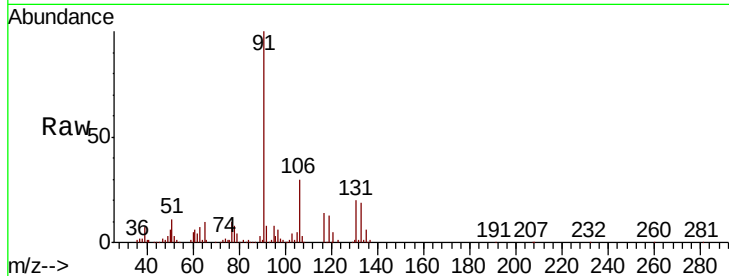
106 30.2 24.5 36.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.318 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059577.D

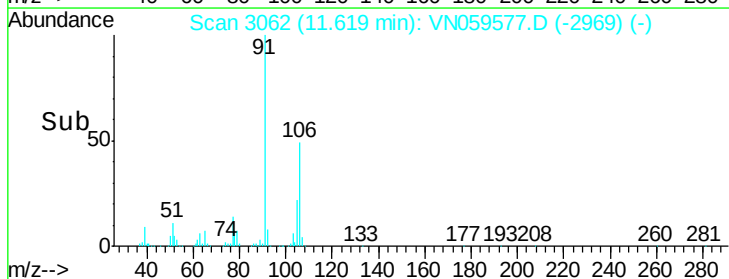
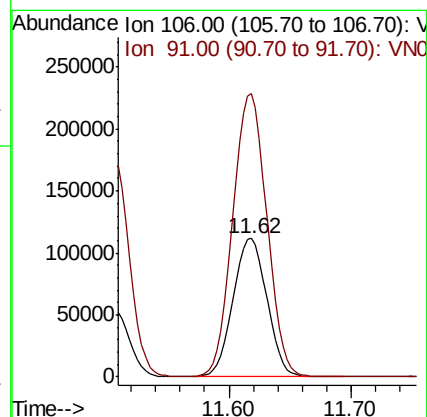
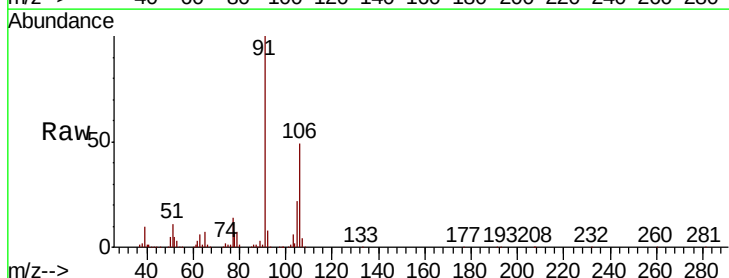
Acq: 12 Dec 2019 16:13

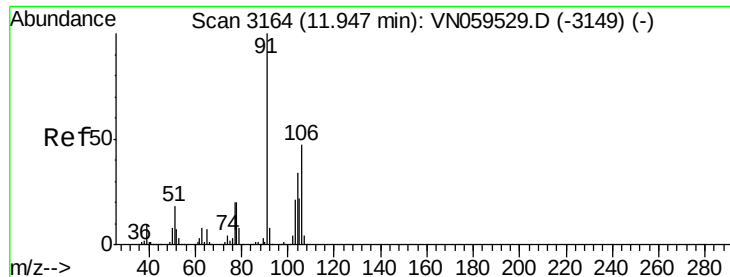
Tgt Ion: 106 Resp: 216020

Ion Ratio Lower Upper

106 100

91 205.6 162.9 244.3





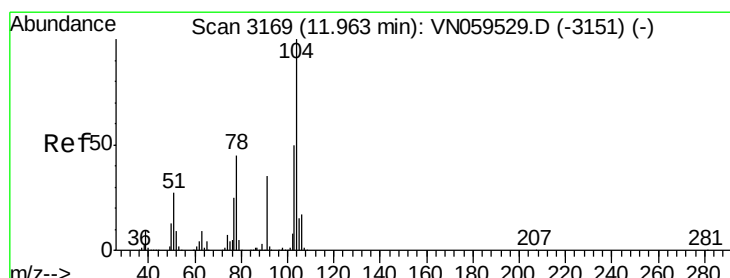
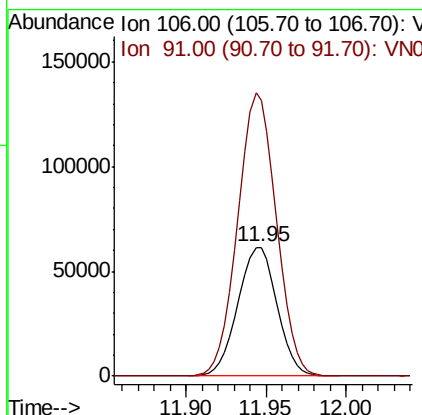
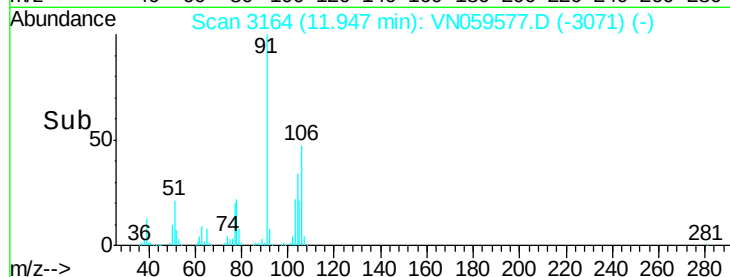
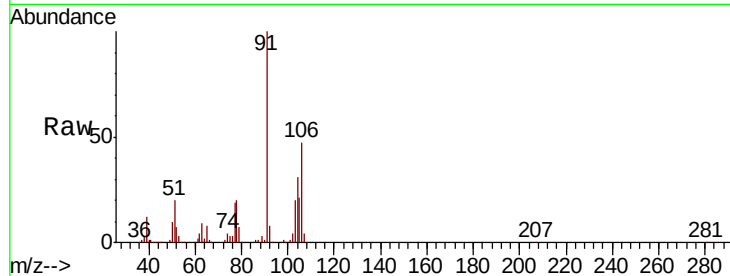
#69
o-Xylene
Concen: 19.578 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion:106 Resp: 102730
Ion Ratio Lower Upper
106 100
91 216.4 106.7 319.9

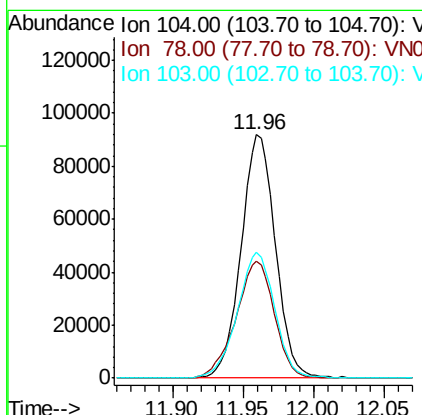
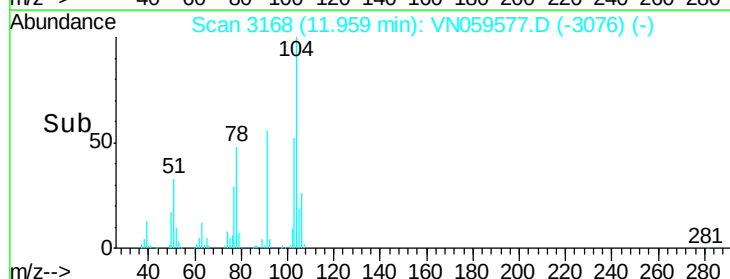
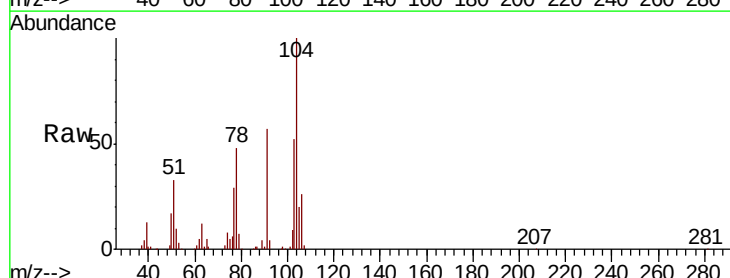
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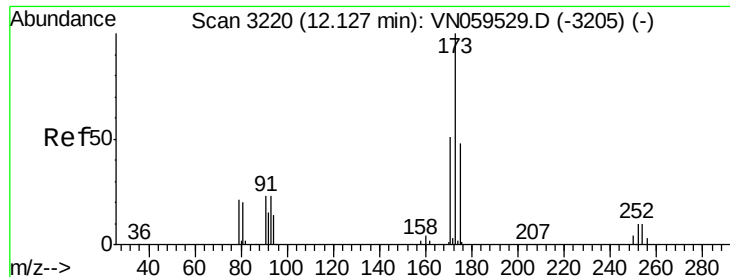
apatel
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#70
Styrene
Concen: 18.075 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion:104 Resp: 157129
Ion Ratio Lower Upper
104 100
78 53.9 40.6 60.8
103 56.4 43.9 65.9





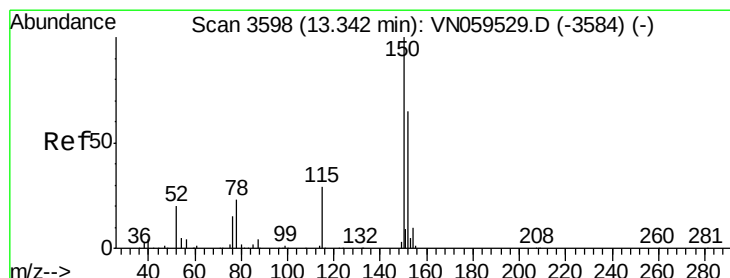
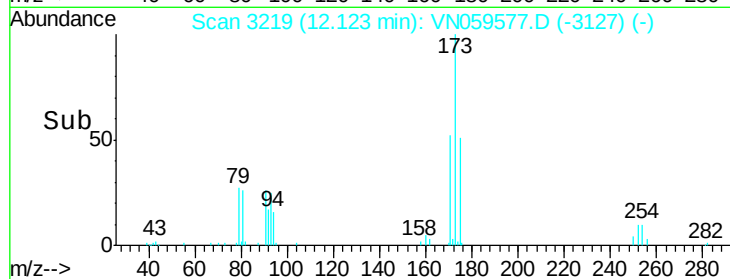
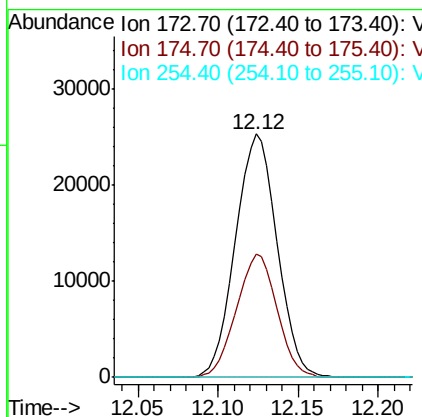
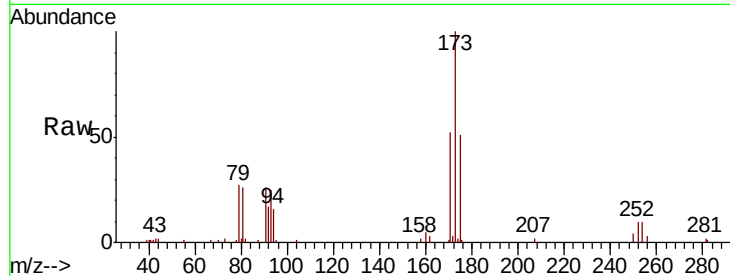
#71
Bromoform
Concen: 18.338 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.1	72.4
254	0.0	0.0	0.0

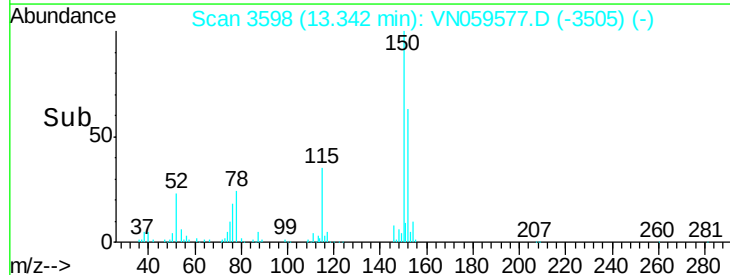
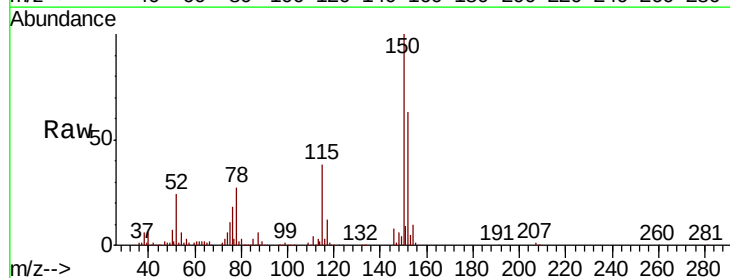
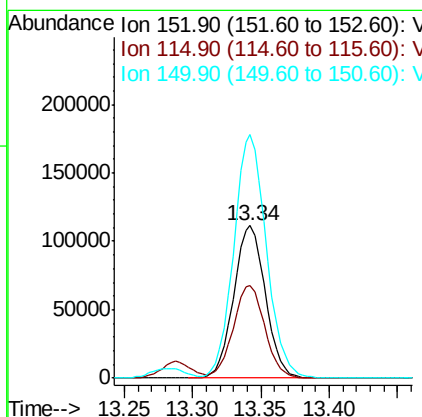
Manual Integrations
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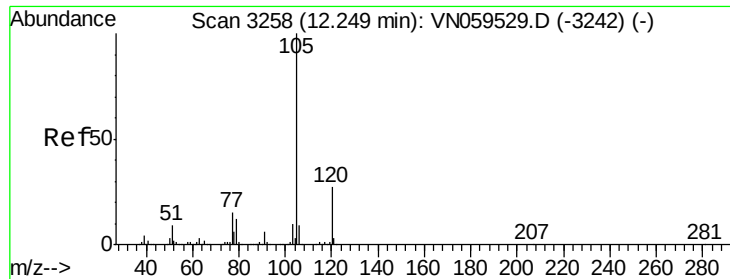
apatel
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	29.4	88.2
150	164.0	0.0	342.4





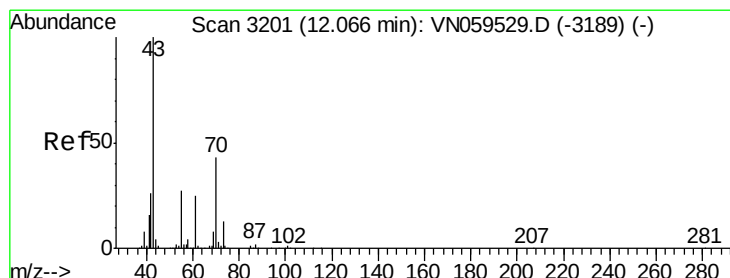
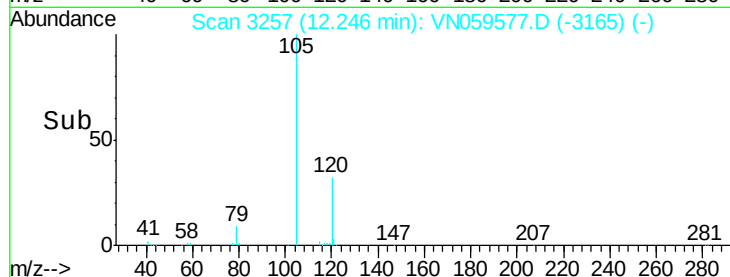
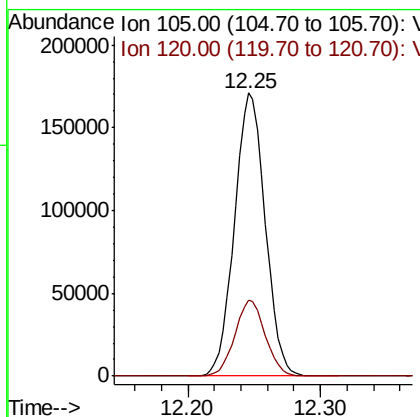
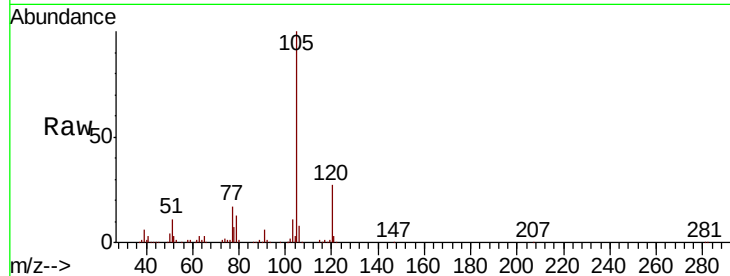
#73
Isopropylbenzene
Concen: 20.368 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.5

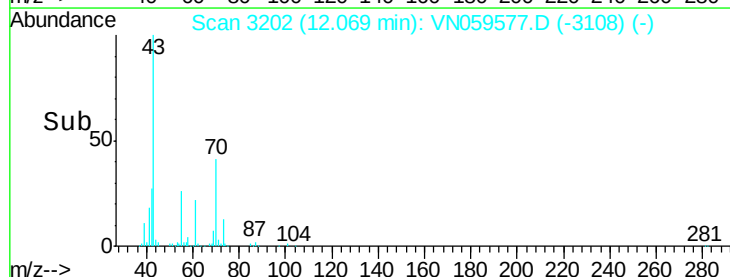
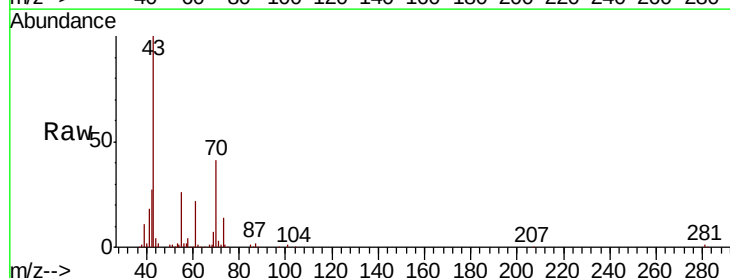
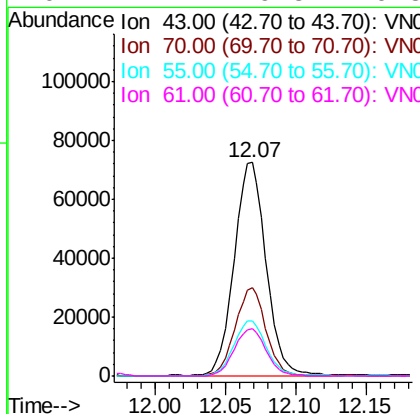
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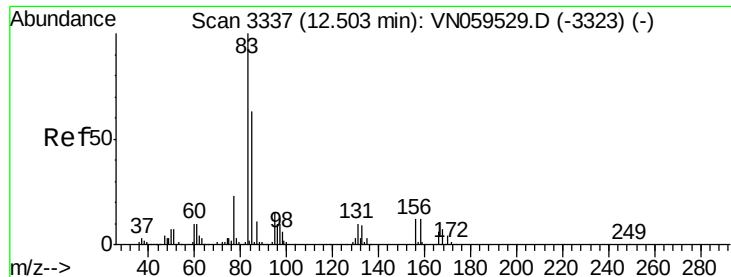
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12/13/2019 2:17:13 PM



#74
N-ethyl acetate
Concen: 19.517 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.0	34.2	51.4
55	26.5	21.3	31.9
61	22.2	19.8	29.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.486 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

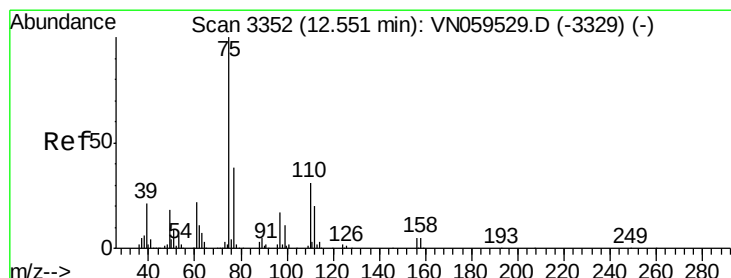
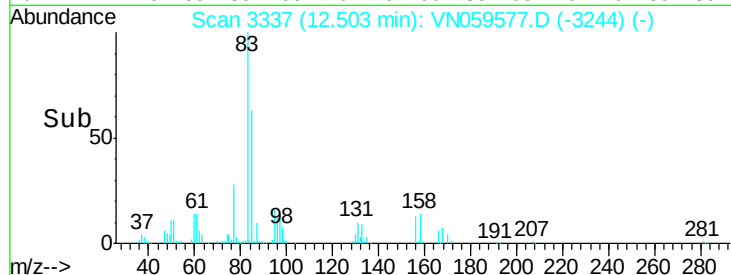
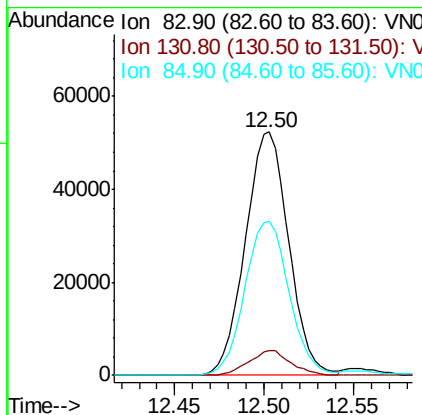
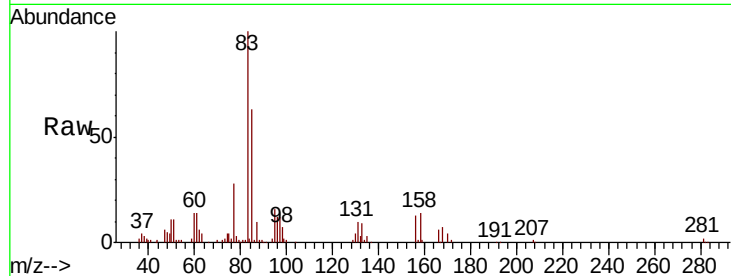
ClientSampleId :

VN1212WBSD01

Tot Ion:	83	Resp:	88970
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	14.9
85	64.4	31.6	95.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.728 ug/l m

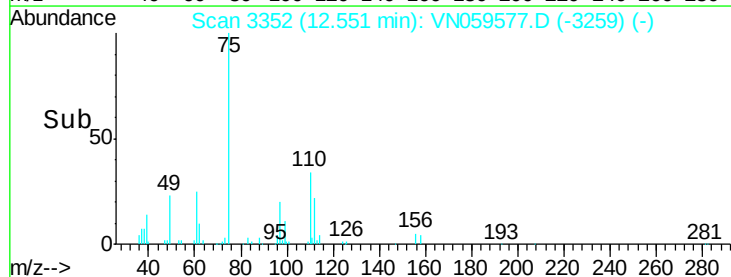
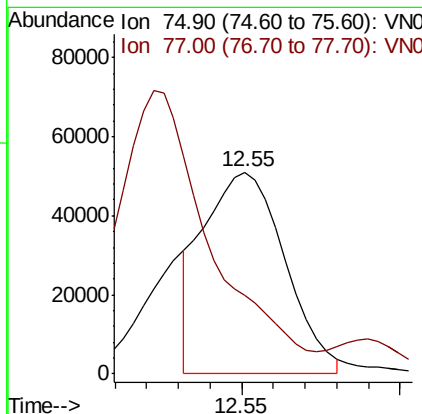
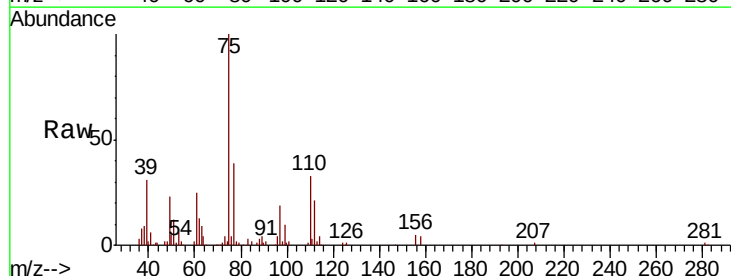
RT: 12.55 min Scan# 3352

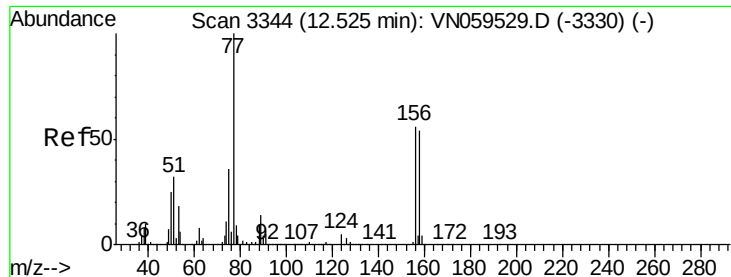
Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion:	75	Resp:	90624
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.644 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

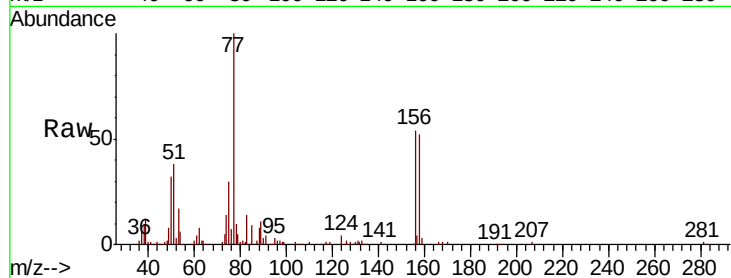
ClientSampleId :

VN1212WBSD01

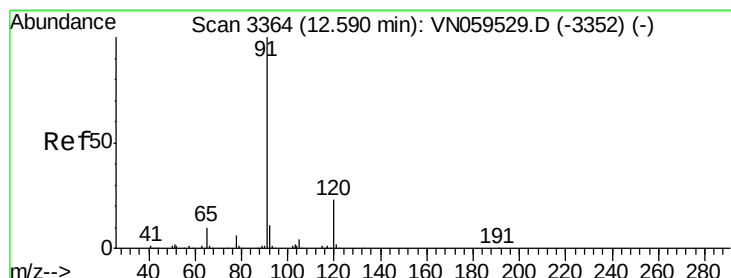
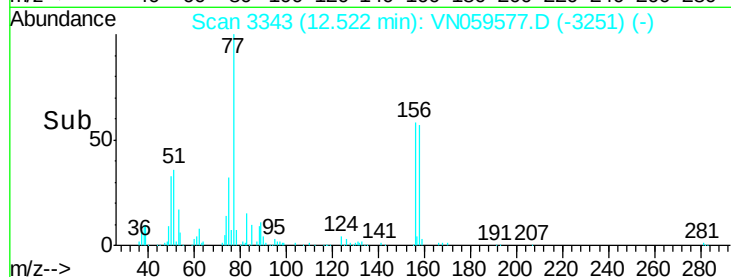
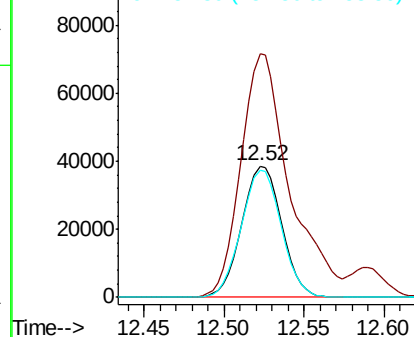
Tot Ion:	156	Resp:	65897
Ion Ratio	Lower	Upper	
156	100		
77	226.4	109.3	327.8
158	96.9	48.6	145.8

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.518 ug/l

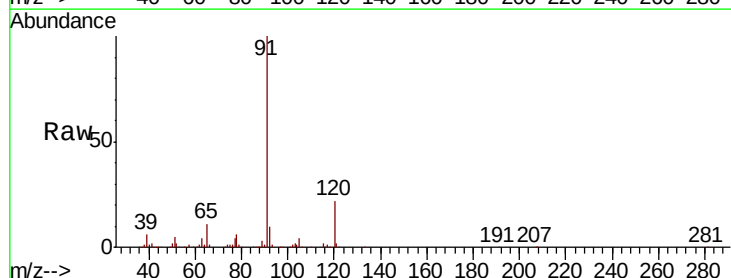
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

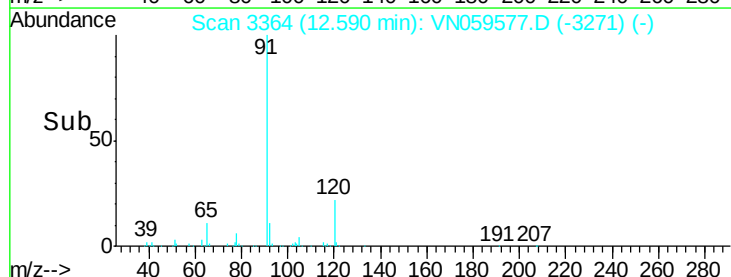
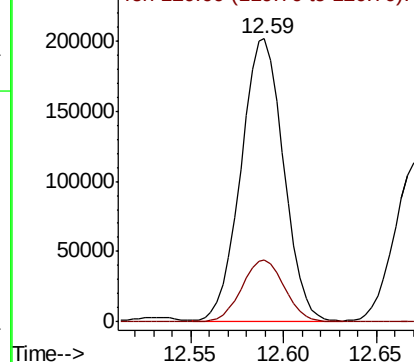
Lab File: VN059577.D

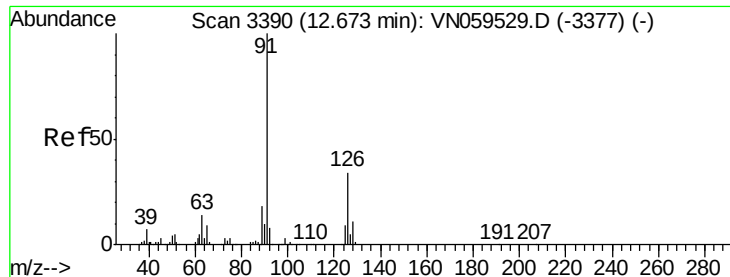
Acq: 12 Dec 2019 16:13

Tgt Ion:	91	Resp:	323176
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.443 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

Tot Ion: 91 Resp: 191964

Ion Ratio Lower Upper

91 100

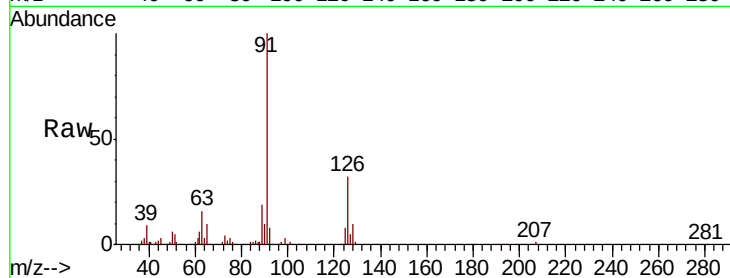
126 32.5 16.9 50.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059577.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059577.D (-3297) (-)

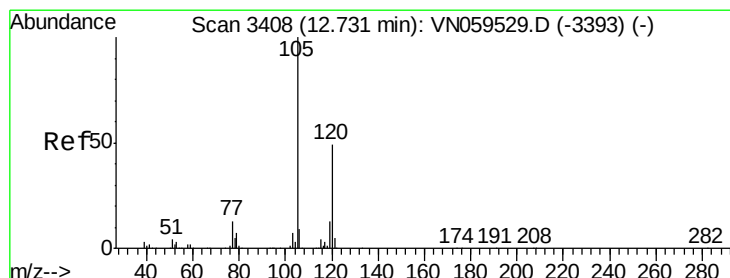
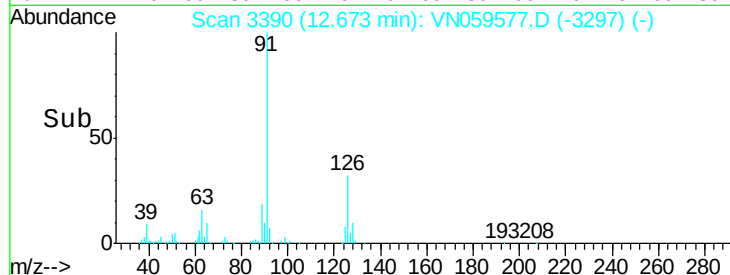
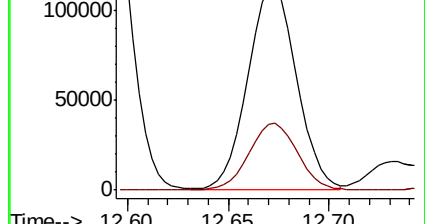
150000

100000

50000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 19.716 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN059577.D

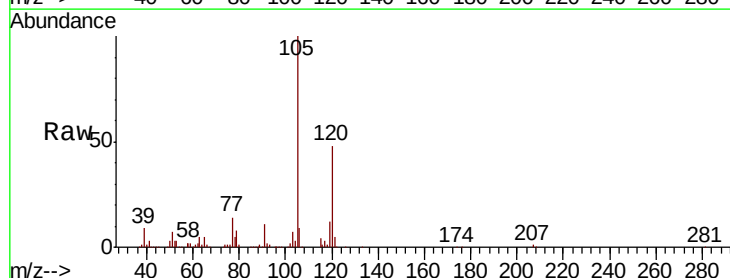
Acq: 12 Dec 2019 16:13

Tgt Ion: 105 Resp: 227814

Ion Ratio Lower Upper

105 100

120 47.7 24.5 73.5



Abundance Ion 105.00 (104.70 to 105.70): VN059577.D (-3315) (-)

Ion 120.00 (119.70 to 120.70): VN059577.D (-3315) (-)

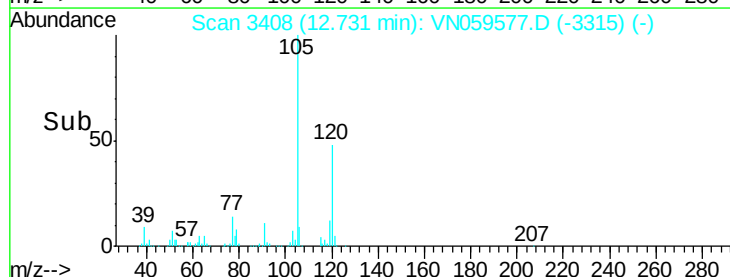
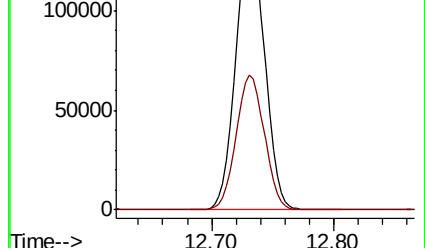
150000

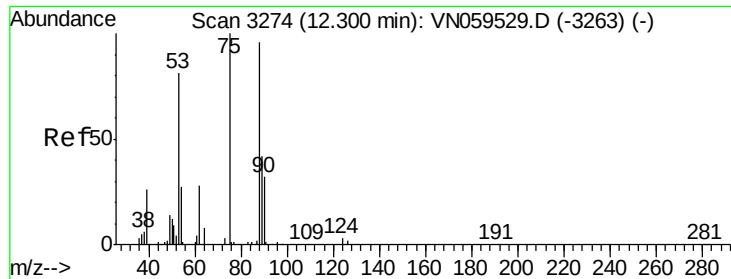
100000

50000

0

12.70 12.80





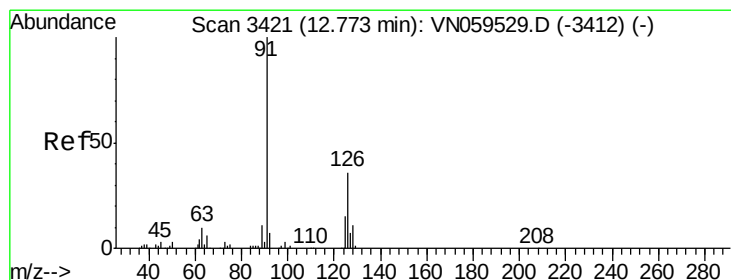
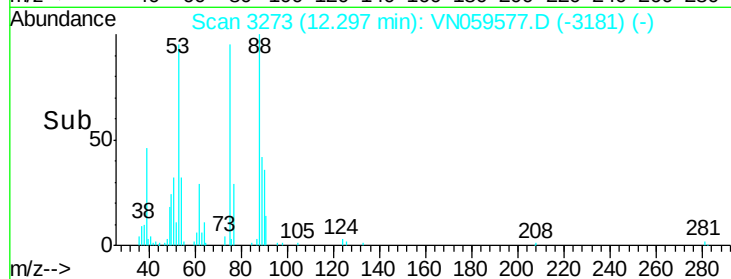
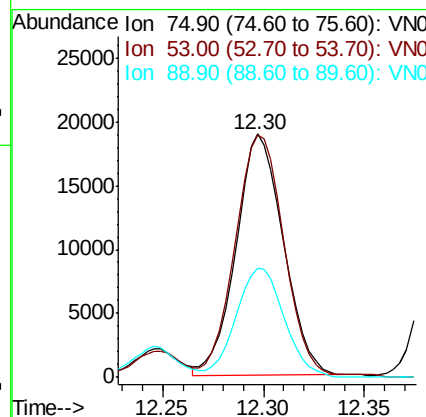
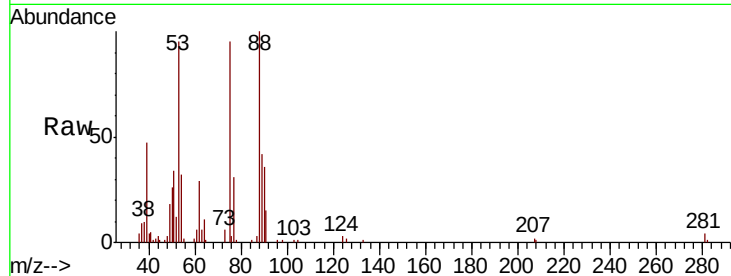
#81
trans-1,4-Dichloro-2-butene
Concen: 18.241 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.9	67.0	100.6#
89	46.0	35.5	53.3

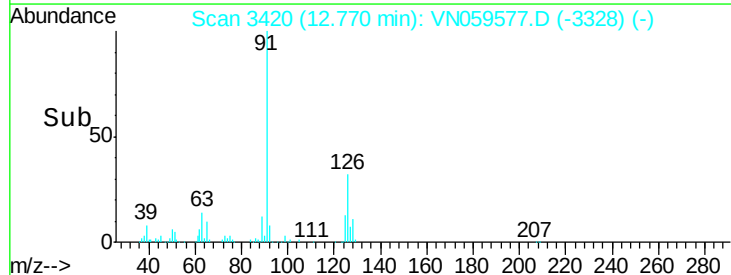
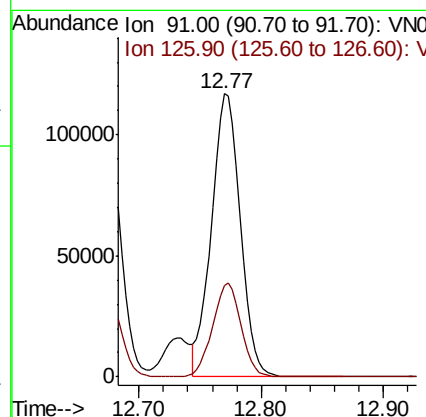
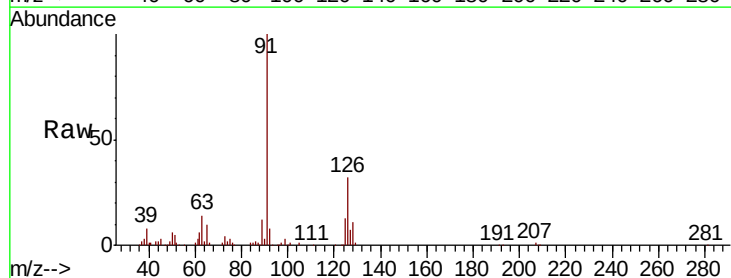
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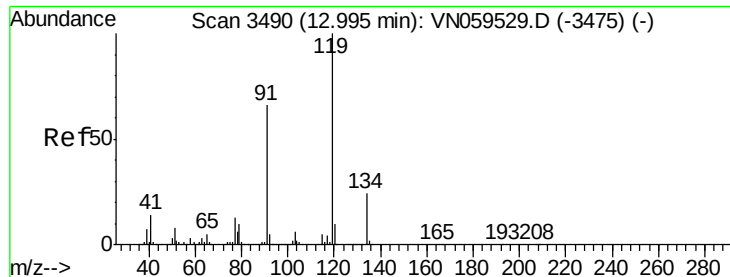
apatel
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#82
4-Chlorotoluene
Concen: 19.151 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4





#83

tert-Butylbenzene

Concen: 19.956 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

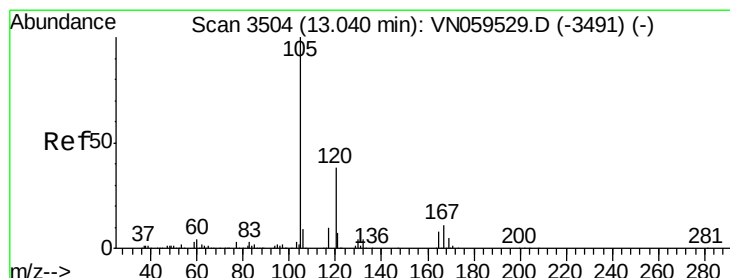
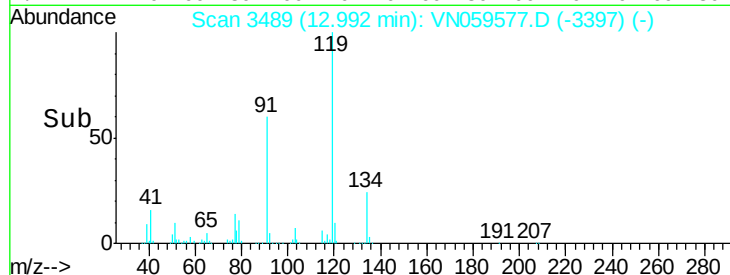
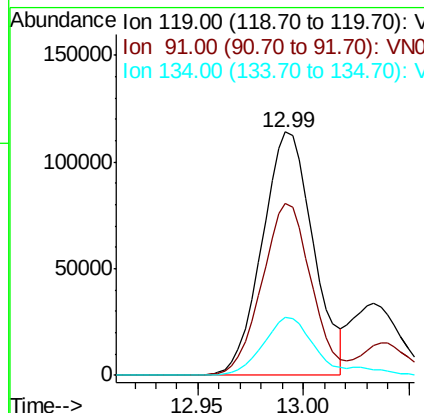
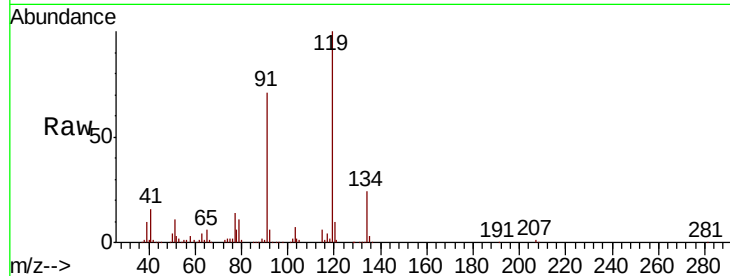
ClientSampleId :

VN1212WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		192281		
91	68.4	32.8	98.4		
134	23.3	12.8	38.3		

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#84

1,2,4-Trimethylbenzene

Concen: 20.042 ug/l

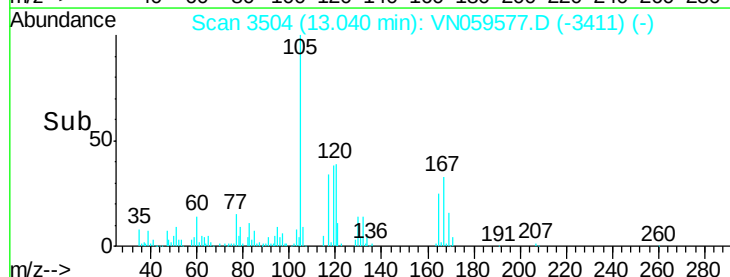
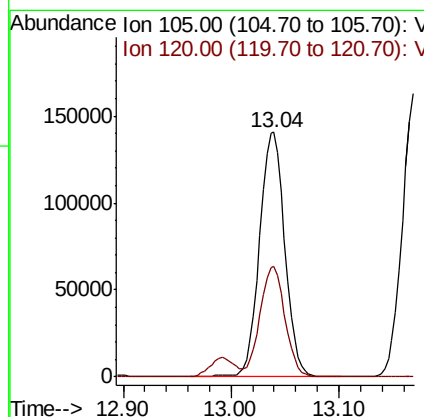
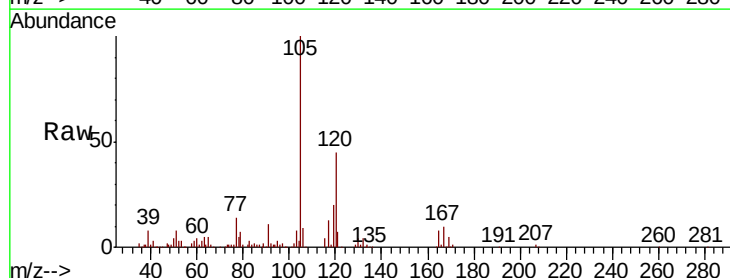
RT: 13.04 min Scan# 3504

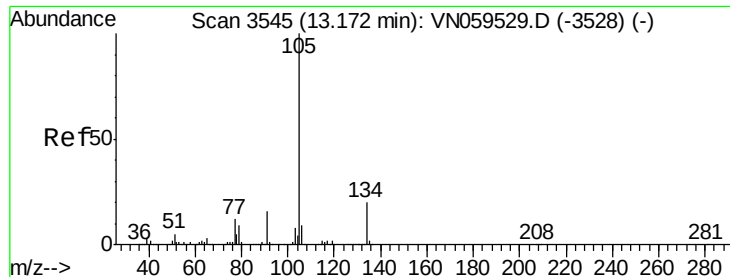
Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		228657		
120	44.6	22.8	68.3		





#85

sec-Butylbenzene

Concen: 19.700 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

VN1212WBSD01

Tot Ion:105 Resp: 260723

Ion Ratio Lower Upper

105 100

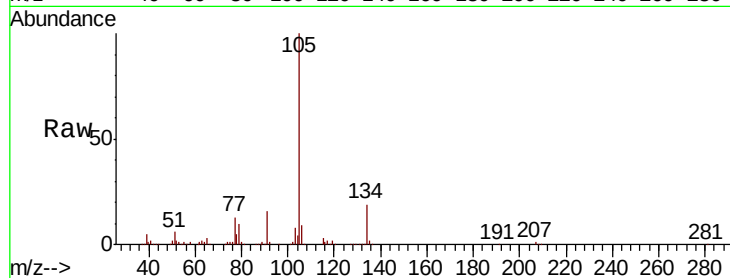
134 19.1 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

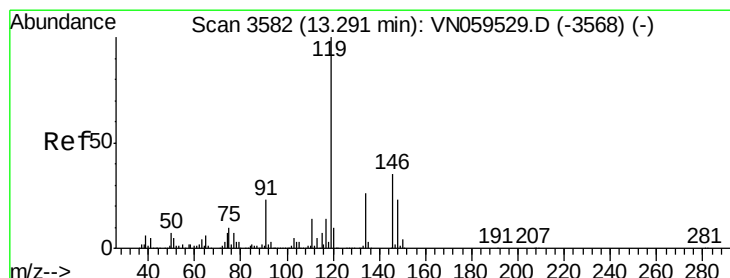
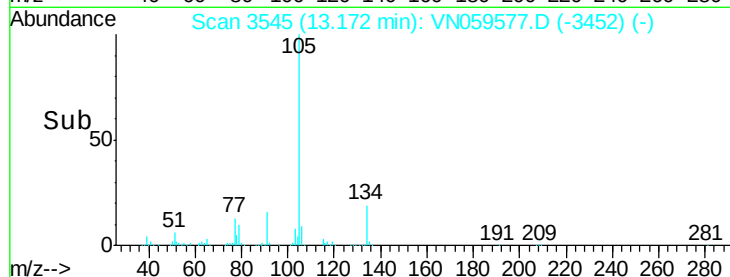
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 19.769 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

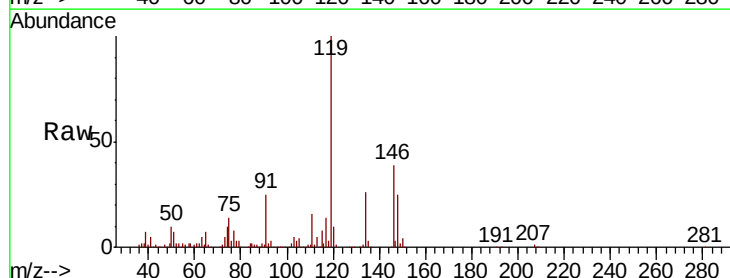
Tgt Ion:119 Resp: 233843

Ion Ratio Lower Upper

119 100

134 25.9 13.0 39.0

91 25.1 11.7 35.1



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

200000

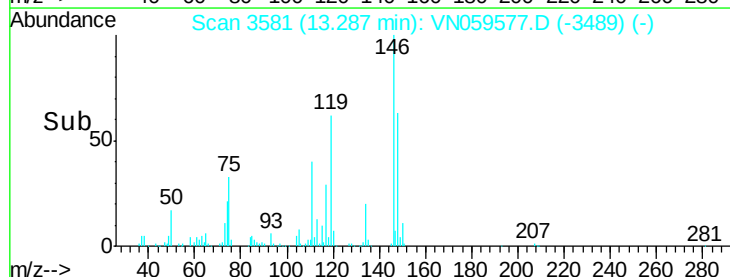
150000

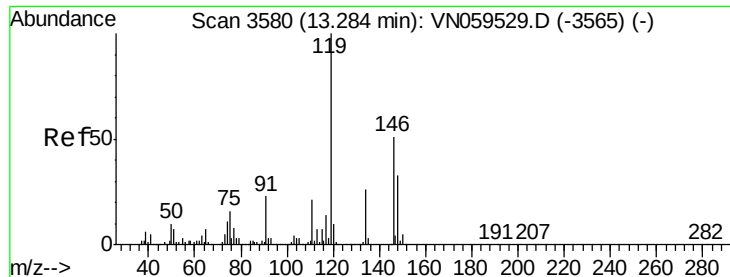
100000

50000

0

Time-->





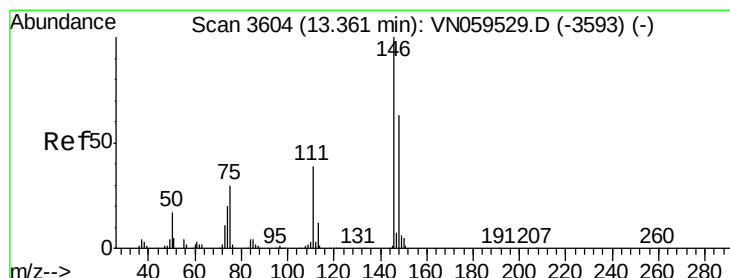
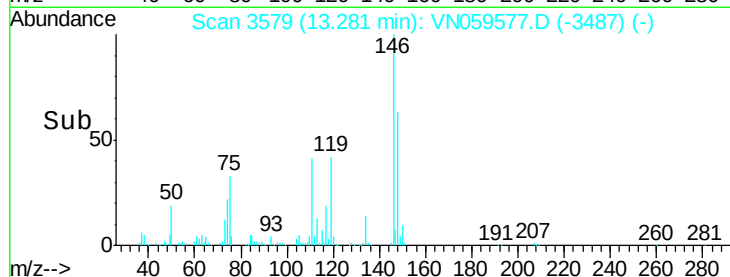
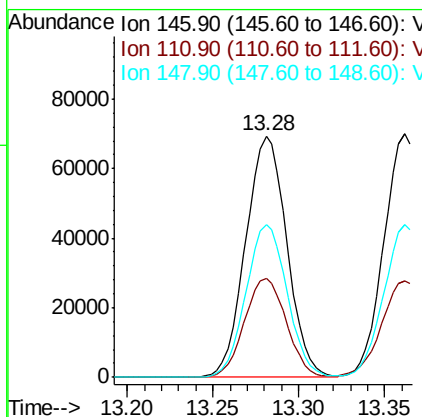
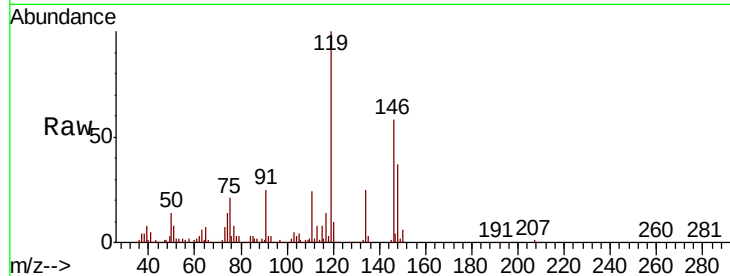
#87
 1,3-Dichlorobenzene
 Concen: 18.675 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1212WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	115389		
111	41.7	20.6	61.8	
148	63.3	32.0	96.0	

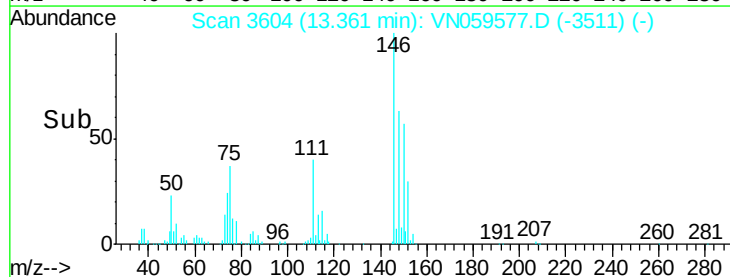
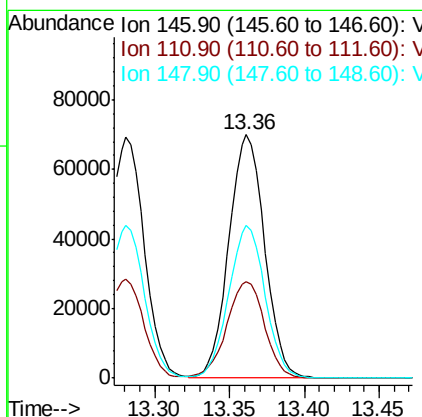
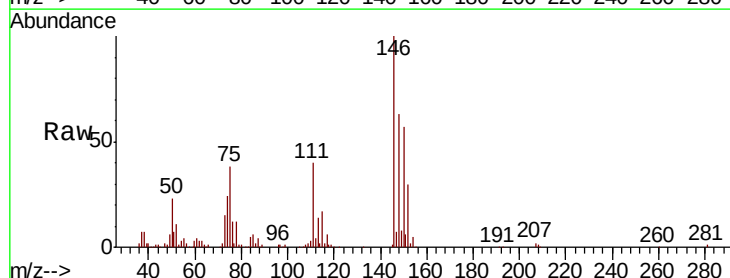
Manual Integrations
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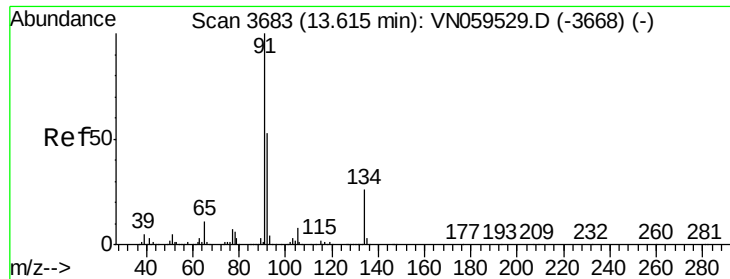
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#88
 1,4-Dichlorobenzene
 Concen: 19.288 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN059577.D
 Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	116690		
111	42.0	20.0	59.9	
148	63.8	31.9	95.7	





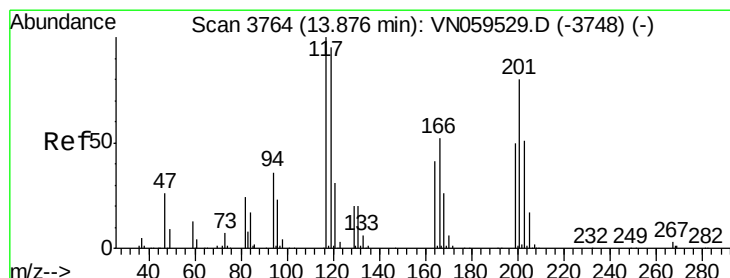
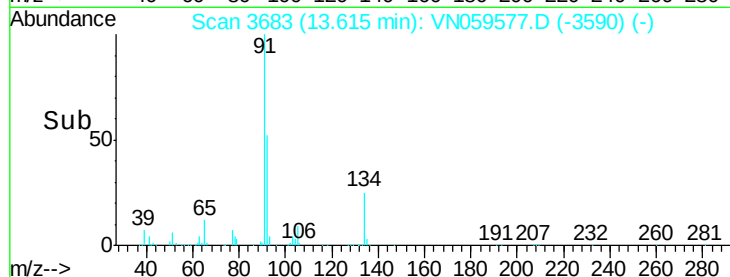
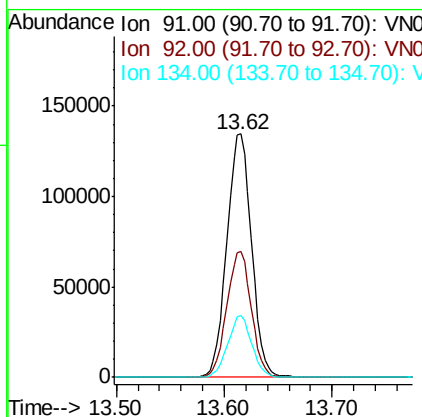
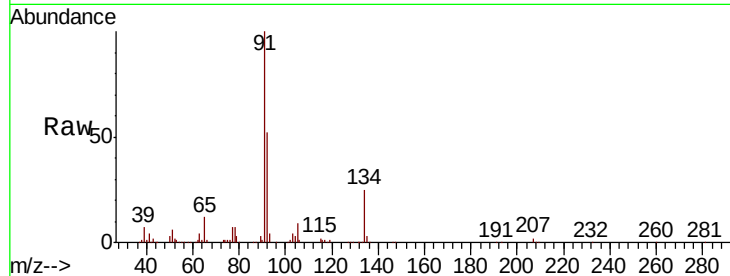
#89
n-Butylbenzene
Concen: 19.380 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.3	78.9
134	24.5	12.8	38.4

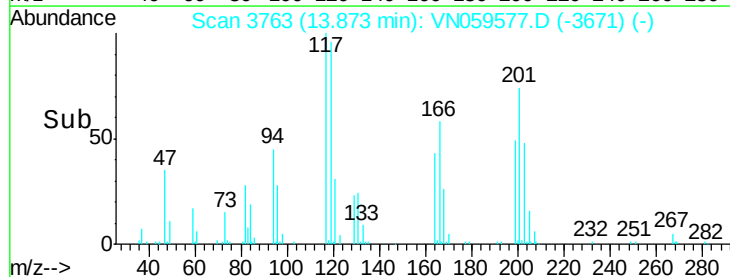
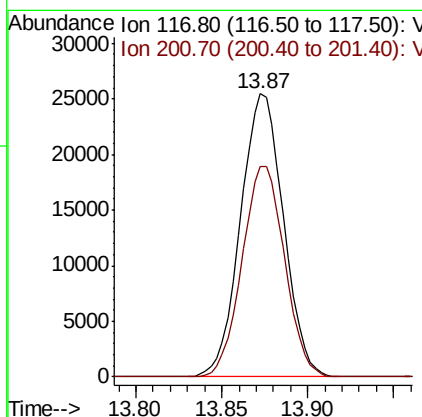
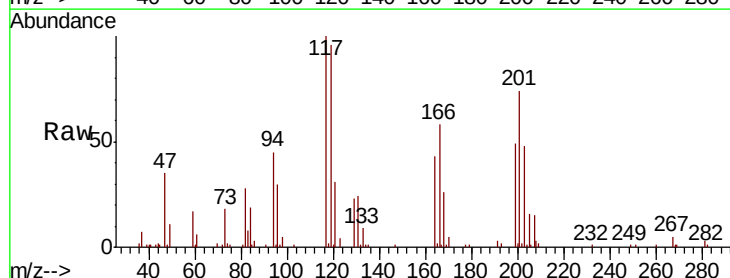
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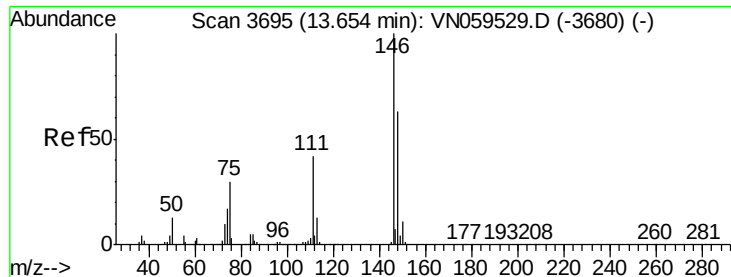
apatel
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#90
Hexachloroethane
Concen: 20.350 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.6	40.5	121.5





#91

1,2-Dichlorobenzene

Concen: 19.686 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

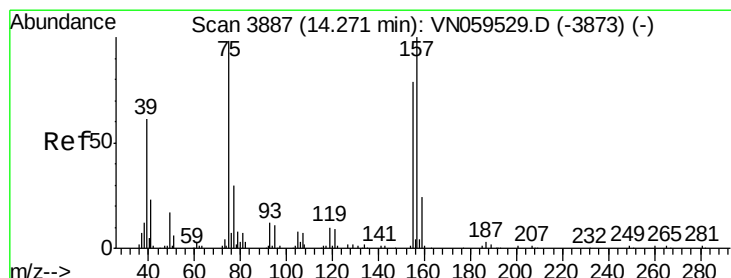
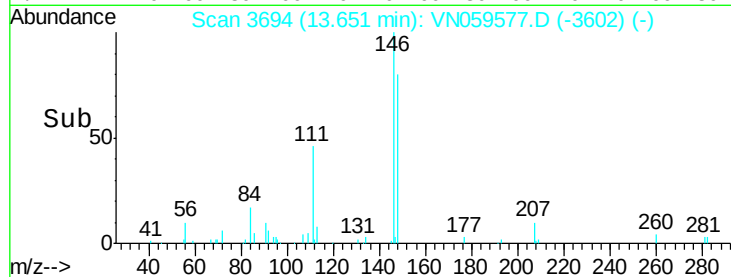
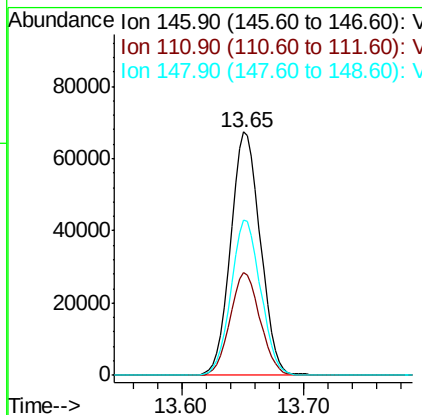
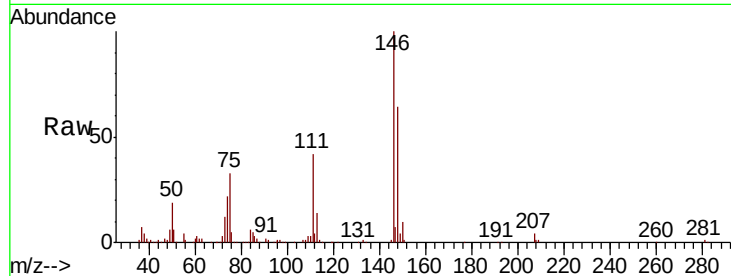
ClientSampleId :

VN1212WBSD01

Tot Ion:	146	Resp:	114147
Ion Ratio	Lower	Upper	
146	100		
111	42.5	20.9	62.7
148	64.0	31.6	94.8

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.836 ug/l

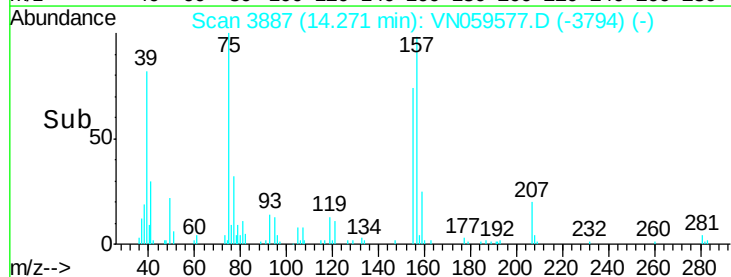
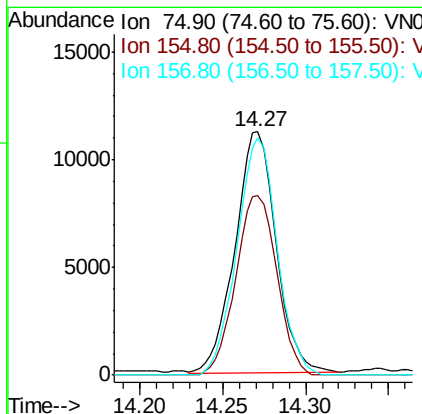
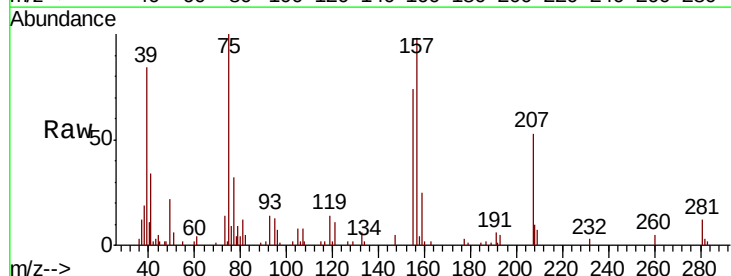
RT: 14.27 min Scan# 3887

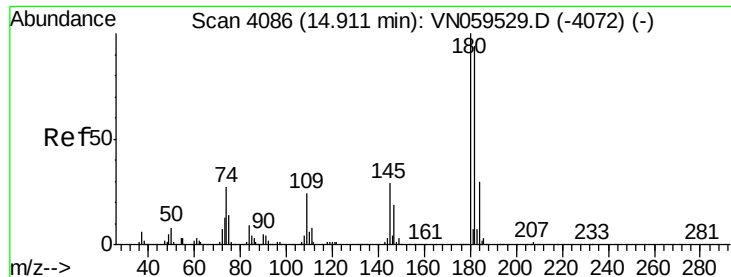
Delta R.T. 0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion:	75	Resp:	19396
Ion Ratio	Lower	Upper	
75	100		
155	74.0	40.4	121.1
157	95.6	51.1	153.3





#93

1,2,4-Trichlorobenzene

Concen: 17.345 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Instrument :

MSVOA_N

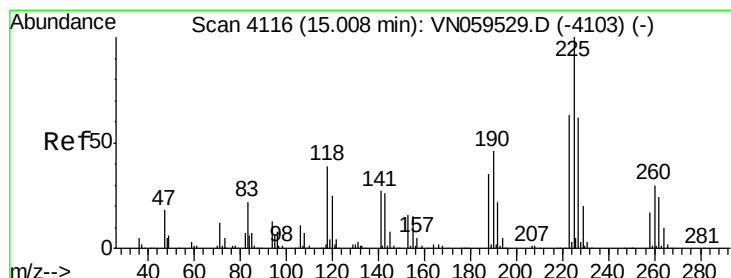
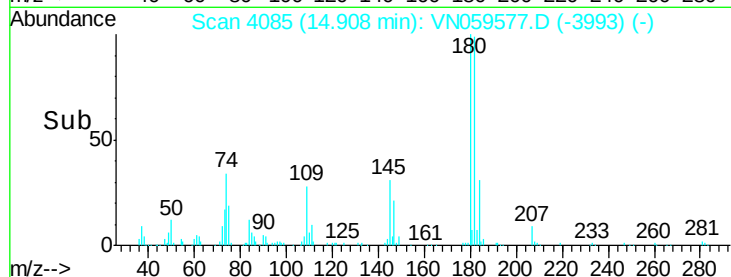
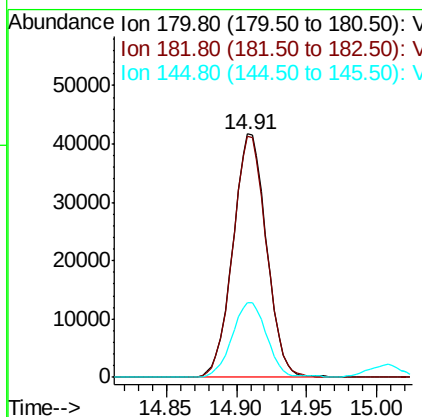
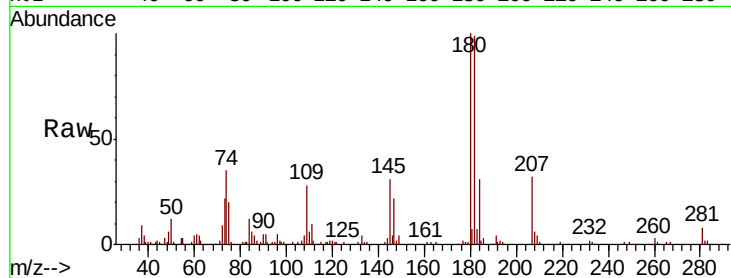
ClientSampleId :

VN1212WBSD01

Tot Ion:	180	Resp:	69559
Ion Ratio	Lower	Upper	
180	100		
182	98.9	47.3	142.0
145	31.8	14.9	44.7

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 17.702 ug/l

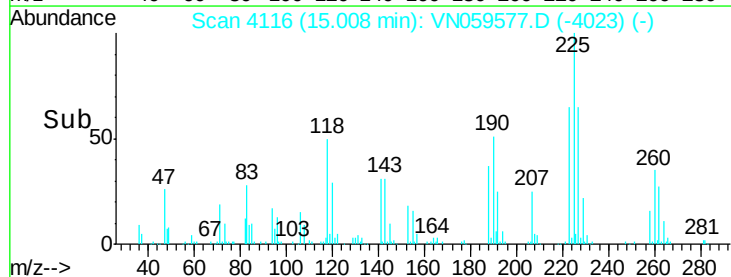
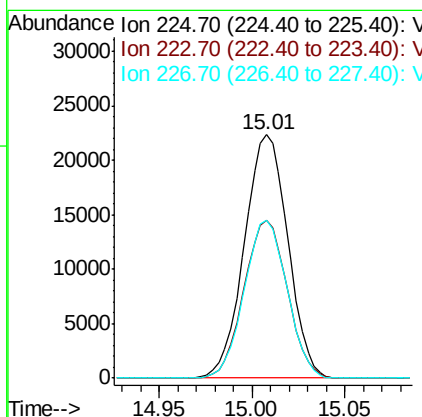
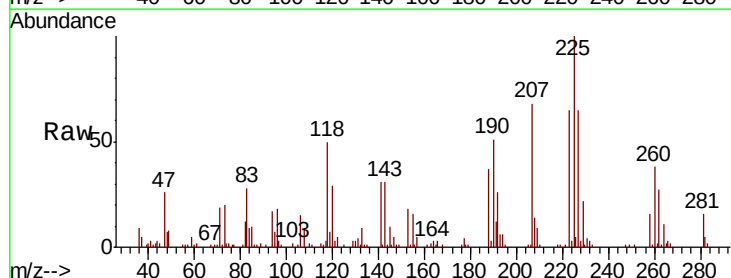
RT: 15.01 min Scan# 4116

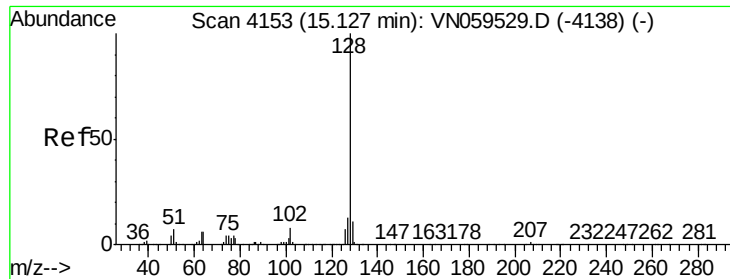
Delta R.T. -0.00 min

Lab File: VN059577.D

Acq: 12 Dec 2019 16:13

Tgt Ion:	225	Resp:	36269
Ion Ratio	Lower	Upper	
225	100		
223	64.7	31.3	93.9
227	63.8	31.6	95.0





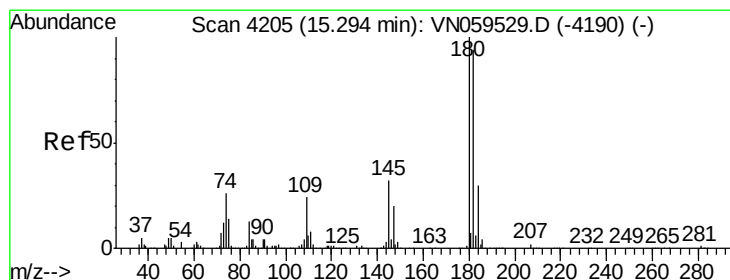
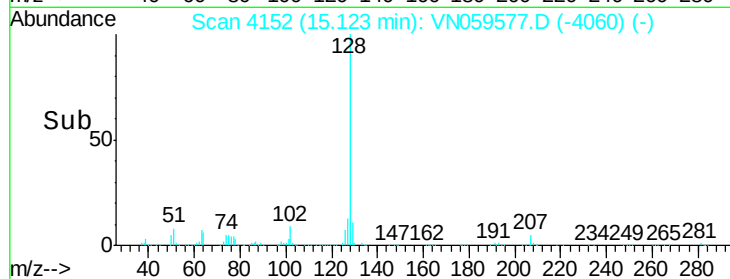
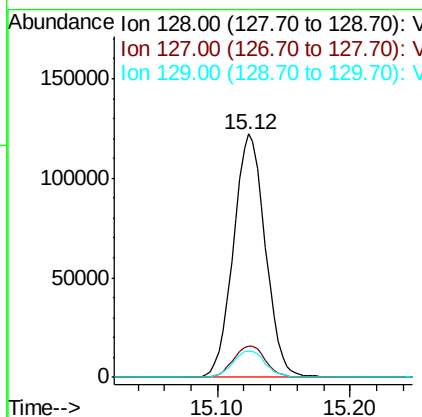
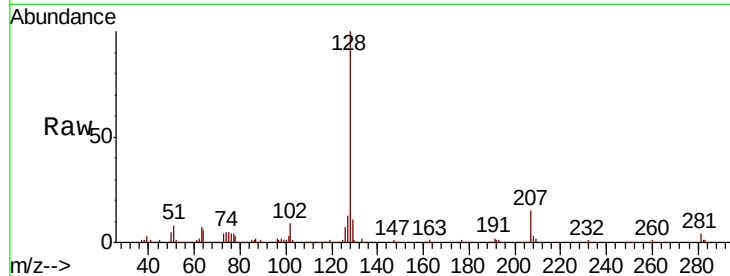
#95
Naphthalene
Concen: 17.371 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. -0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :
VN1212WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.1	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.494 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059577.D
Acq: 12 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.1	141.4
145	31.3	15.8	47.4

