

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040820\
 Data File : VN060893.D
 Acq On : 8 Apr 2020 12:05
 Operator : JC/MD
 Sample : VN0408WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBS01

Manual Integrations
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 4/9/2020 12:29:34 PM

Quant Time: Apr 09 08:44:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	185934	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	302952	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272842	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128072	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	124341	48.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.42%	
35) Dibromofluoromethane	7.56	113	93023	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
50) Toluene-d8	10.08	98	369380	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.40	95	133160	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	31059	17.264	ug/l	98
3) Chloromethane	2.04	50	56146	16.710	ug/l	98
4) Vinyl Chloride	2.17	62	44808	17.050	ug/l	96
5) Bromomethane	2.55	94	23814	20.990	ug/l	96
6) Chloroethane	2.69	64	28898	19.088	ug/l	99
7) Trichlorofluoromethane	3.00	101	61614	19.032	ug/l	97
8) Diethyl Ether	3.38	74	26100	20.068	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	37643	20.066	ug/l	99
10) Methyl Iodide	3.93	142	30778	18.438	ug/l	100
11) Tert butyl alcohol	4.72	59	36219	96.485	ug/l	98
12) 1,1-Dichloroethene	3.72	96	37771	18.763	ug/l	98
13) Acrolein	3.58	56	22942	55.144	ug/l	100
14) Allyl chloride	4.29	41	69939	19.753	ug/l	95
15) Acrylonitrile	4.94	53	105880	95.919	ug/l	99
16) Acetone	3.78	43	96876	107.148	ug/l	99
17) Carbon Disulfide	4.03	76	103893	16.969	ug/l	100
18) Methyl Acetate	4.29	43	52112	20.477	ug/l	99
19) Methyl tert-butyl Ether	5.00	73	134043	19.367	ug/l	98
20) Methylene Chloride	4.52	84	43222	19.433	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	40068	18.675	ug/l	98
22) Diisopropyl ether	5.91	45	156288	20.894	ug/l	99
23) Vinyl Acetate	5.85	43	612983	100.437	ug/l	98
24) 1,1-Dichloroethane	5.81	63	83363	20.443	ug/l	99
25) 2-Butanone	6.80	43	143067	97.788	ug/l	99
26) 2,2-Dichloropropane	6.79	77	69631	21.703	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	47652	19.545	ug/l	97
28) Bromochloromethane	7.17	49	38975	19.977	ug/l	99
29) Tetrahydrofuran	7.18	42	95218	91.984	ug/l	98
30) Chloroform	7.35	83	77619	19.855	ug/l	98
31) Cyclohexane	7.63	56	76579	18.628	ug/l	97
32) 1,1,1-Trichloroethane	7.54	97	66462	19.721	ug/l	99
36) 1,1-Dichloropropene	7.77	75	59090	20.143	ug/l	100
37) Ethyl Acetate	6.89	43	59857	18.884	ug/l	100
38) Carbon Tetrachloride	7.75	117	51084	19.430	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	70627	20.260	ug/l	98
40) Benzene	8.02	78	177603	20.056	ug/l	99
41) Methacrylonitrile	7.15	41	27720m	20.492	ug/l	
42) 1,2-Dichloroethane	8.10	62	61904	20.455	ug/l	98
43) Isopropyl Acetate	8.14	43	102872	19.679	ug/l	99
44) Trichloroethene	8.81	130	44768	20.054	ug/l	98
45) 1,2-Dichloropropane	9.10	63	49551	21.206	ug/l	100
46) Dibromomethane	9.19	93	28908	20.463	ug/l	100
47) Bromodichloromethane	9.38	83	60602	20.644	ug/l	98
48) Methyl methacrylate	9.18	41	44604	19.165	ug/l	99
49) 1,4-Dioxane	9.18	88	12711	459.475	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	293581	98.694	ug/l	99
52) Toluene	10.14	92	107358	20.074	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	69145	20.506	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	76737	20.744	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	42433	20.623	ug/l	100
56) Ethyl methacrylate	10.42	69	62553	19.498	ug/l	96
57) 1,3-Dichloropropane	10.70	76	73099	20.474	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	134924	84.619	ug/l	100
59) 2-Hexanone	10.74	43	205629	95.962	ug/l	99
60) Dibromochloromethane	10.89	129	43231	20.341	ug/l	99
61) 1,2-Dibromoethane	10.99	107	41803	20.205	ug/l	100
64) Tetrachloroethene	10.62	164	42952	20.005	ug/l	97
65) Chlorobenzene	11.43	112	110633	20.454	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	41066	20.970	ug/l	98
67) Ethyl Benzene	11.50	91	206700	20.550	ug/l	100
68) m/p-Xylenes	11.61	106	150538	40.274	ug/l	98
69) o-Xylene	11.94	106	73450	20.585	ug/l	100
70) Styrene	11.96	104	115423	19.779	ug/l	99
71) Bromoform	12.12	173	29338	19.099	ug/l #	98
73) Isopropylbenzene	12.24	105	197134	20.511	ug/l	100
74) N-amyl acetate	12.06	43	83401	18.779	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	58513	20.132	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	52639m	19.048	ug/l	
77) Bromobenzene	12.52	156	45507	19.649	ug/l	98
78) n-propylbenzene	12.59	91	232839	20.505	ug/l	99
79) 2-Chlorotoluene	12.67	91	136199	20.074	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	165569	20.299	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	20065	18.647	ug/l	99
82) 4-Chlorotoluene	12.77	91	137148	19.847	ug/l	99
83) tert-Butylbenzene	12.99	119	138340	20.460	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	164623	20.401	ug/l	99
85) sec-Butylbenzene	13.17	105	190153	20.914	ug/l	99
86) p-Isopropyltoluene	13.28	119	168770	20.642	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	82870	20.288	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	81278	19.805	ug/l	98
89) n-Butylbenzene	13.61	91	153823	20.839	ug/l	100
90) Hexachloroethane	13.87	117	26266	22.101	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	79541	20.365	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10498	17.068	ug/l	97

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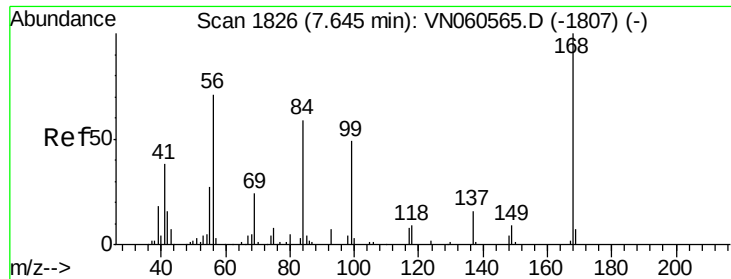
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	46536	19.402	ug/l	99
94) Hexachlorobutadiene	15.01	225	25894	22.022	ug/l	100
95) Naphthalene	15.13	128	128232	17.775	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	45824	19.396	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0408WBS01

Tot Ion:168 Resp: 185934

Ion Ratio Lower Upper

168 100

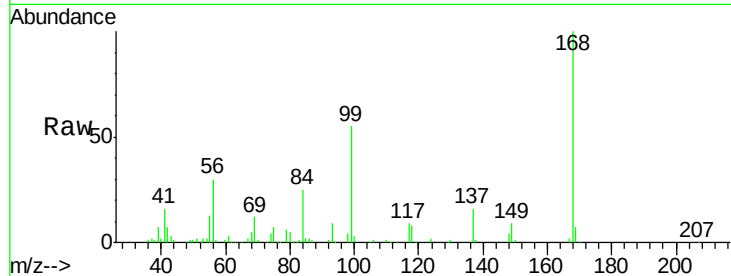
99 55.4 44.0 66.0

Manual Integrations

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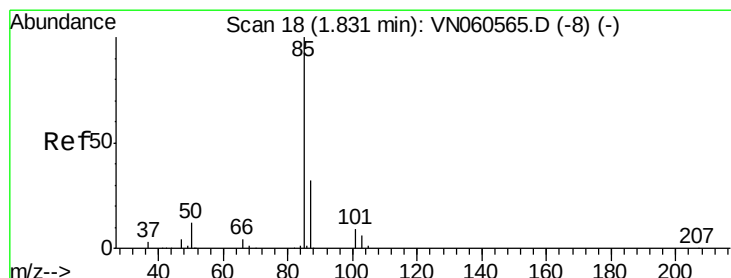
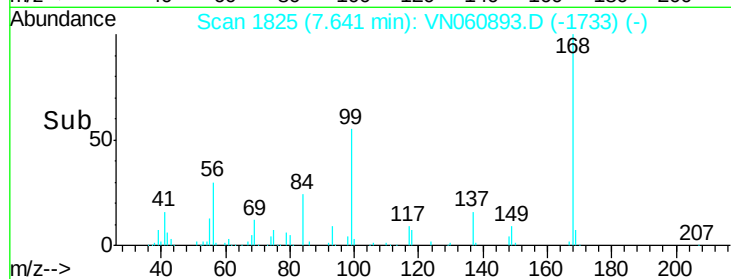
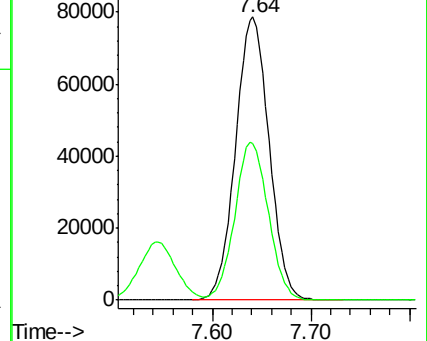
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.264 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060893.D

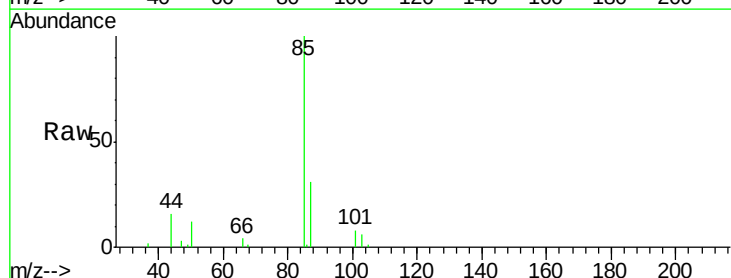
Acq: 8 Apr 2020 12:05

Tgt Ion: 85 Resp: 31059

Ion Ratio Lower Upper

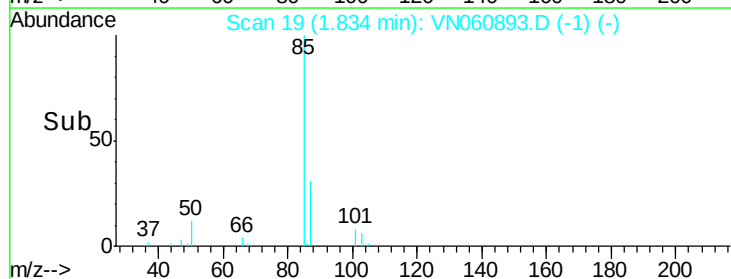
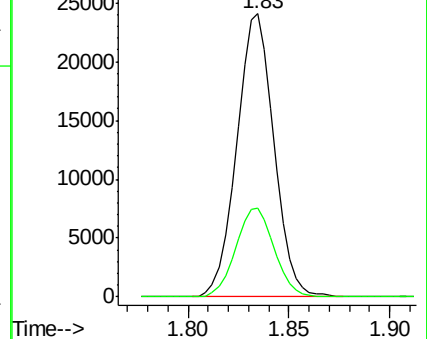
85 100

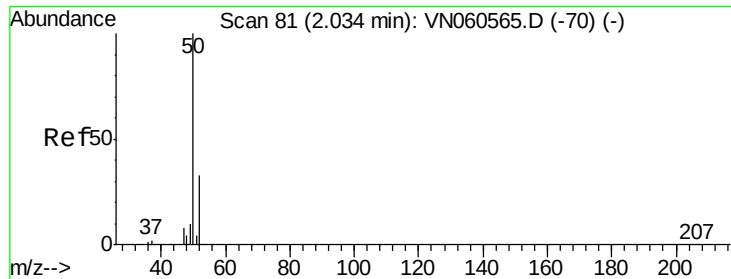
87 31.3 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 16.710 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBS01

Tot Ion: 50 Resp: 56146

Ion Ratio Lower Upper

50 100

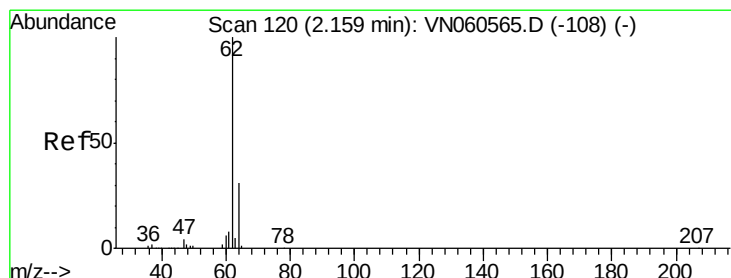
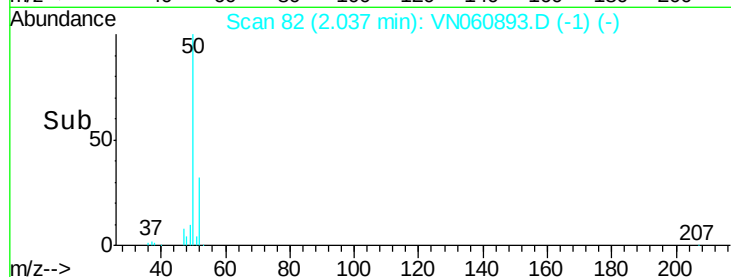
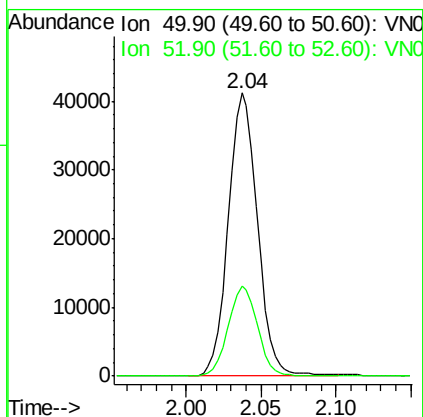
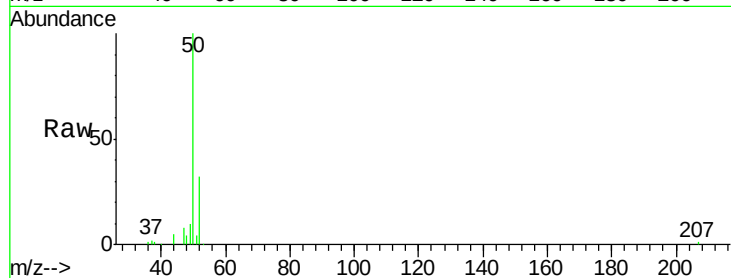
52 31.8 26.2 39.2

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#4

Vinyl Chloride

Concen: 17.050 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060893.D

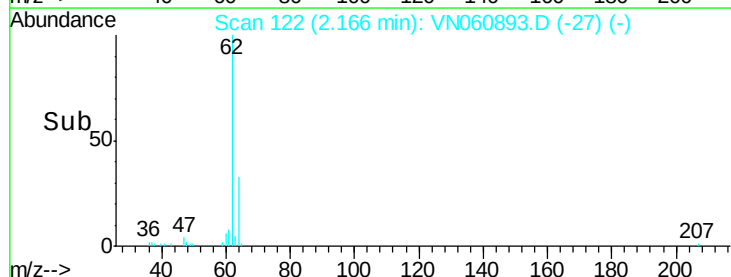
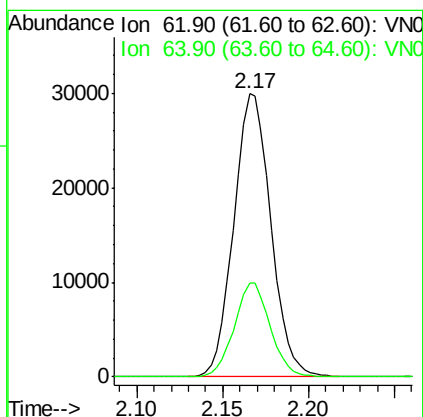
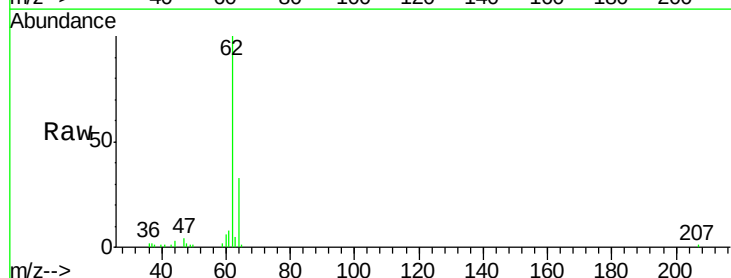
Acq: 8 Apr 2020 12:05

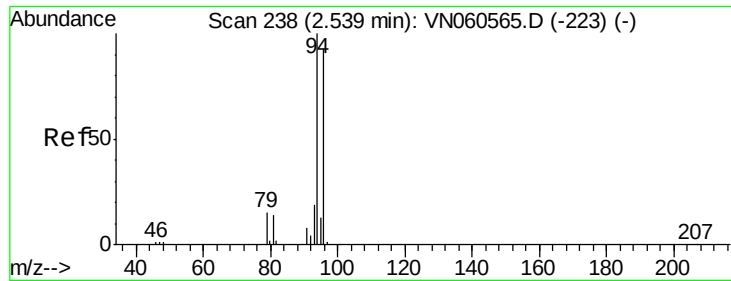
Tgt Ion: 62 Resp: 44808

Ion Ratio Lower Upper

62 100

64 33.2 24.7 37.1





#5

Bromomethane

Concen: 20.990 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0408WBS01

Tot Ion: 94 Resp: 23814

Ion Ratio Lower Upper

94 100

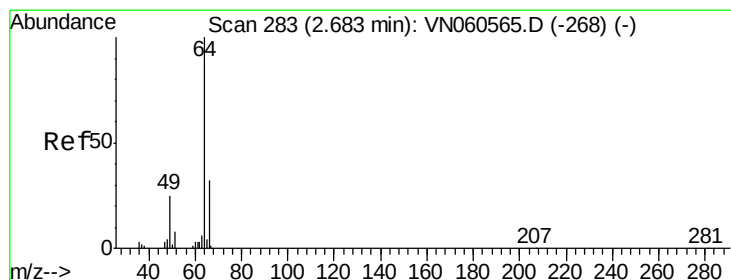
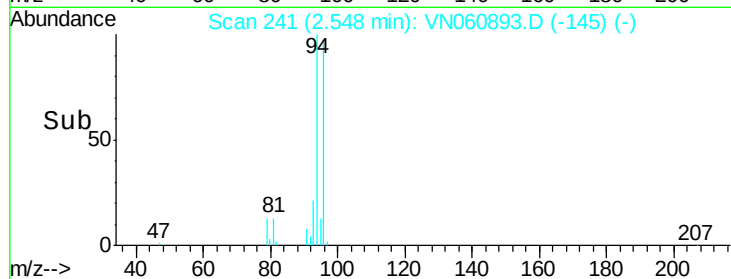
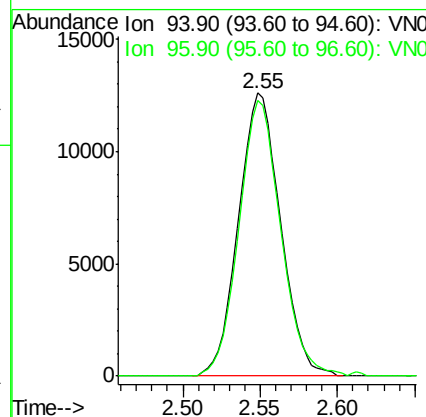
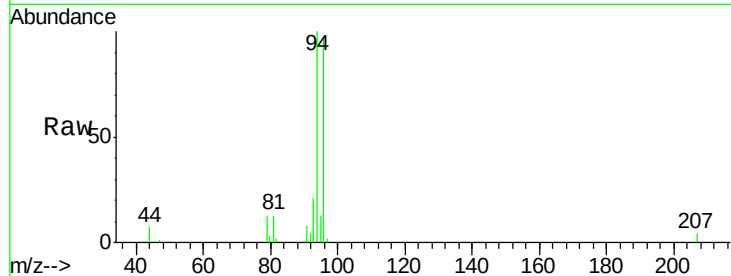
96 97.4 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 19.088 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN060893.D

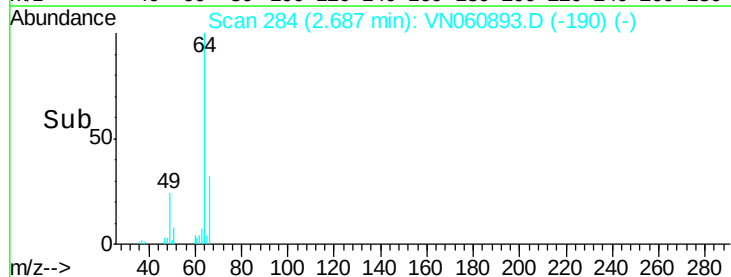
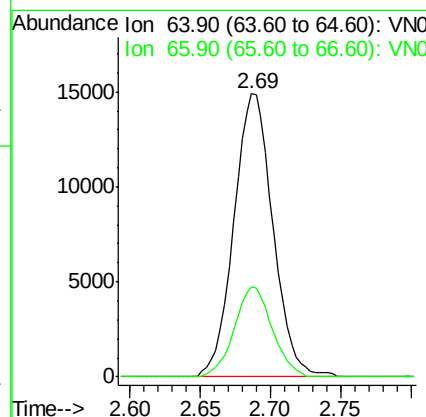
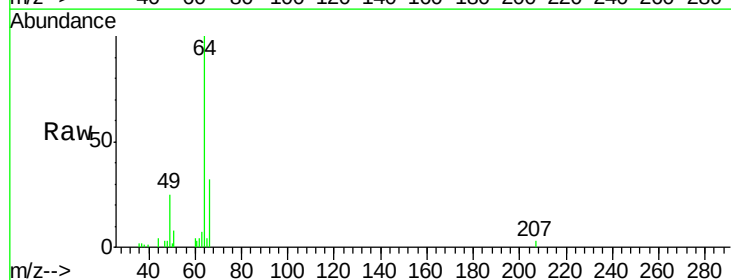
Acq: 8 Apr 2020 12:05

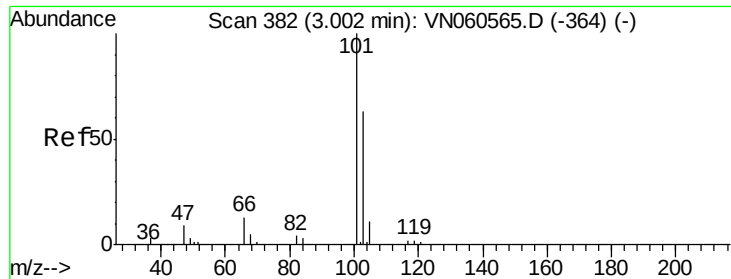
Tgt Ion: 64 Resp: 28898

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9





#7

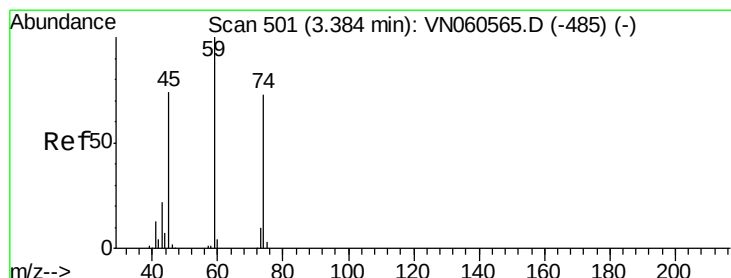
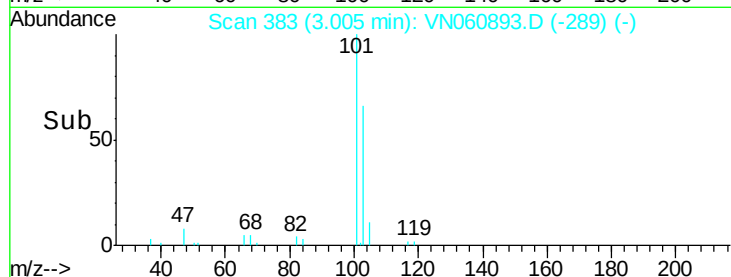
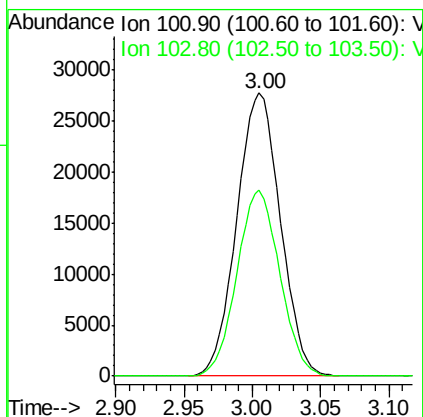
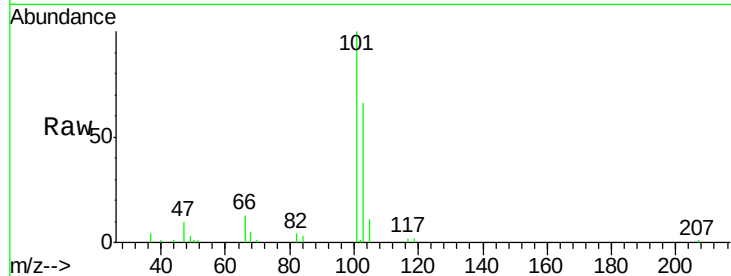
Trichlorofluoromethane
 Concen: 19.032 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100	100	61614		
103	65.6	50.6	76.0		

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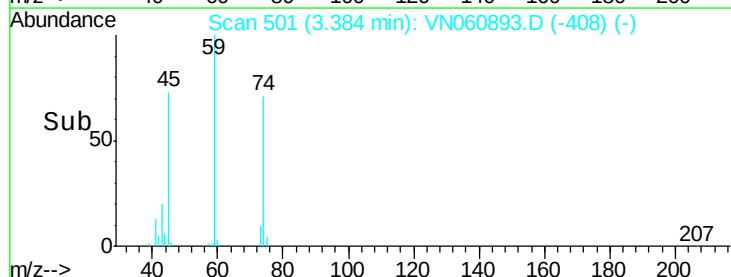
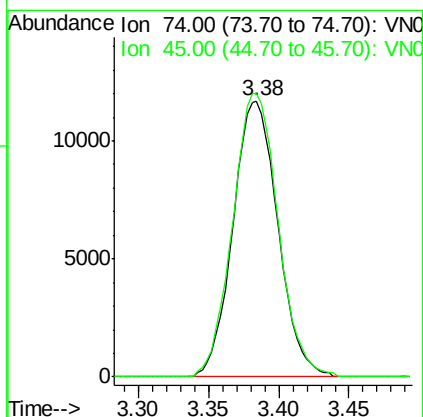
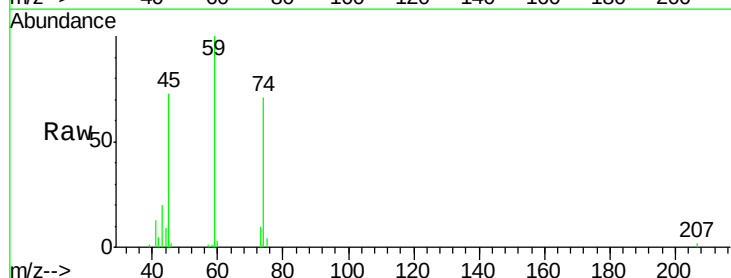
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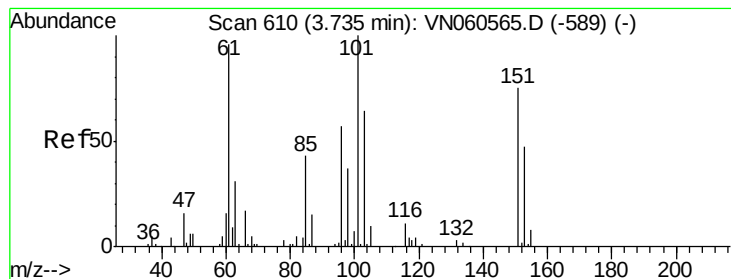


#8

Diethyl Ether
 Concen: 20.068 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100	100	26100		
45	104.0	51.3	153.9		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.066 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

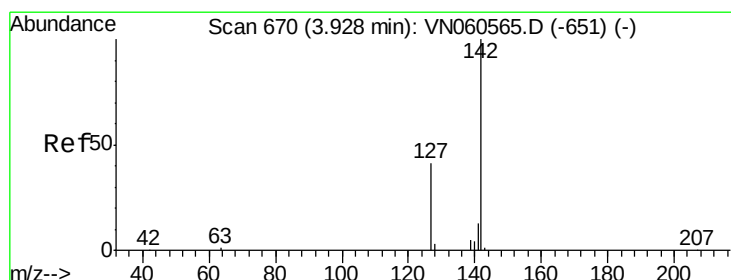
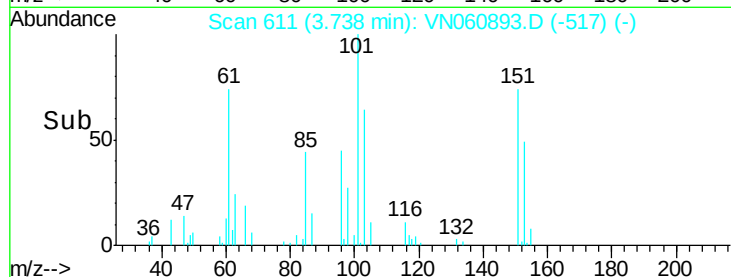
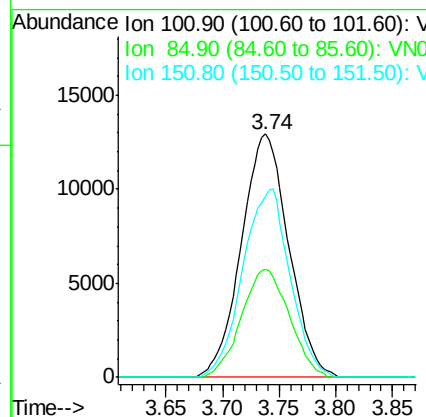
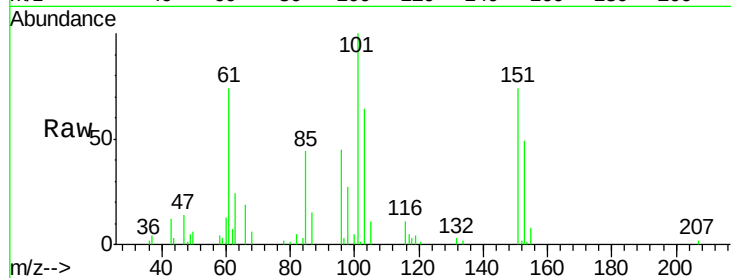
ClientSampled :

VN0408WBS01

Tot Ion:	101	Resp:	37643
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.6	53.4
151	77.2	61.4	92.2

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#10

Methyl Iodide

Concen: 18.438 ug/l

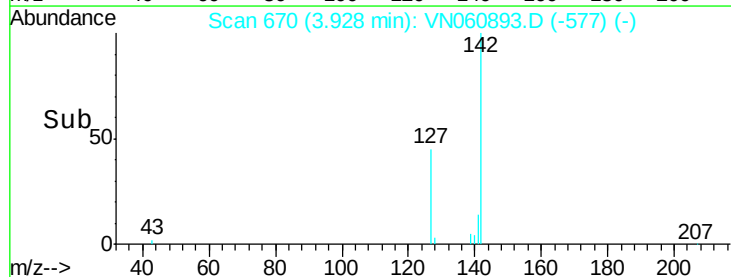
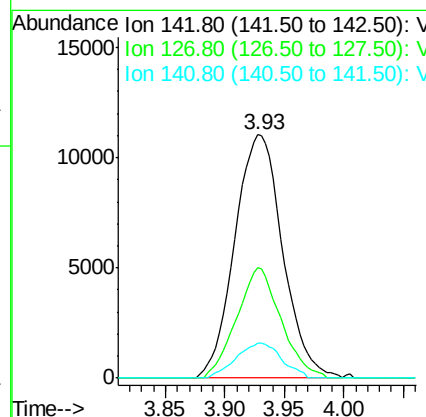
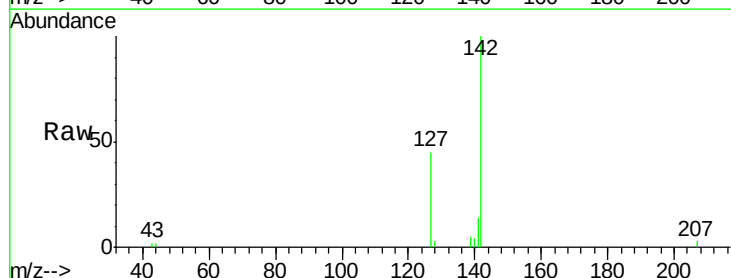
RT: 3.93 min Scan# 670

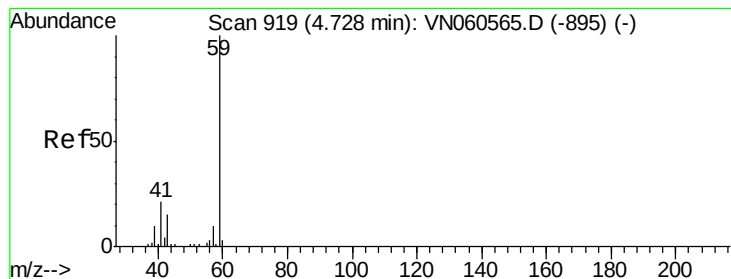
Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Tgt Ion:	142	Resp:	30778
Ion Ratio	Lower	Upper	
142	100		
127	41.9	33.5	50.3
141	13.6	11.0	16.6





#11

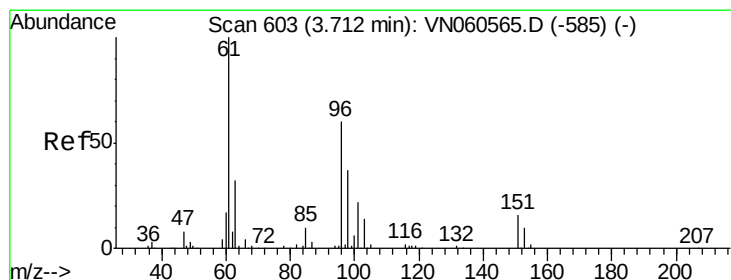
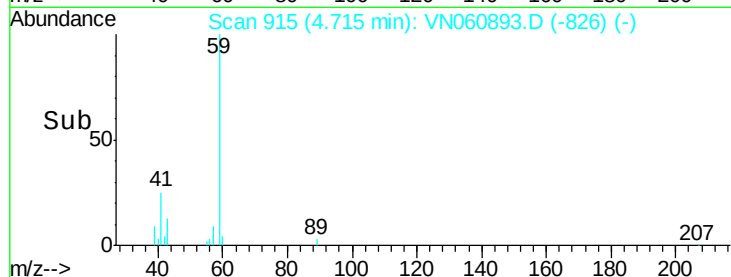
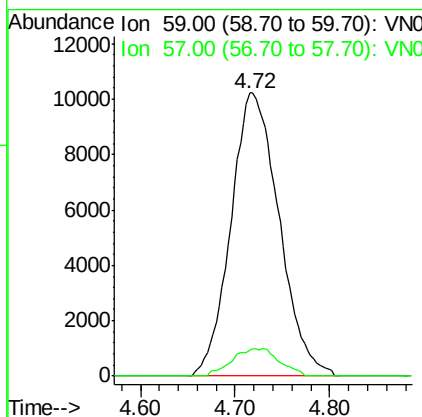
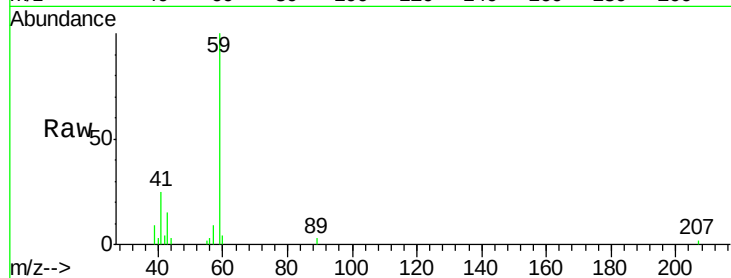
Tert butyl alcohol
 Concen: 96.485 ug/l
 RT: 4.72 min Scan# 915
 Delta R.T. -0.01 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0408WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.2	12.4

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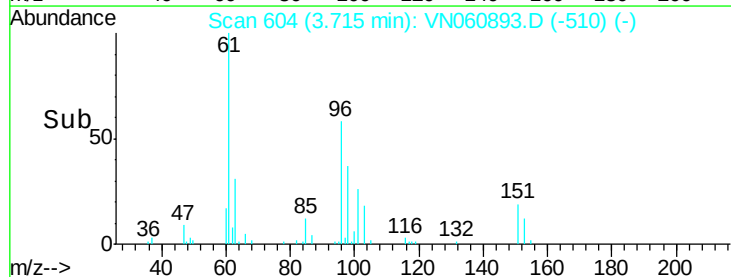
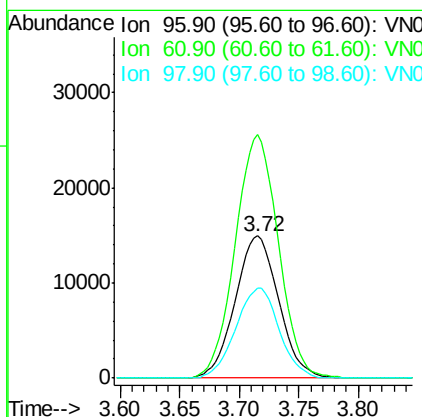
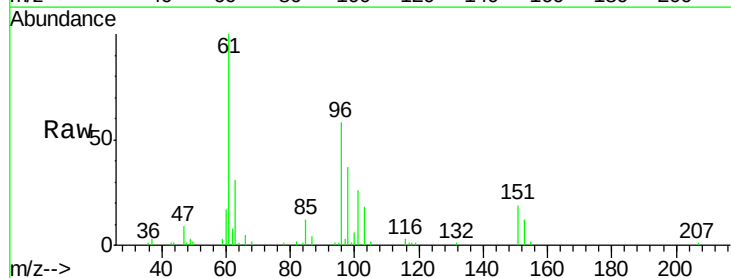
apatel
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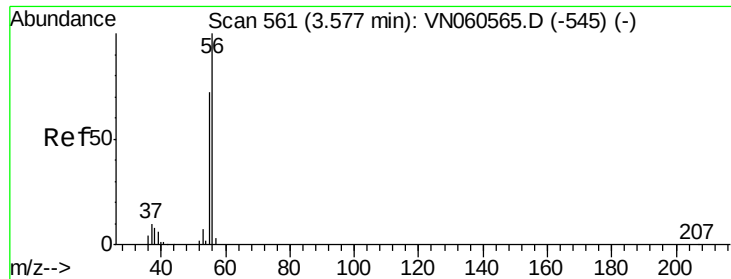


#12

1,1-Dichloroethene
 Concen: 18.763 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.2	134.1	201.1
98	63.4	49.9	74.9





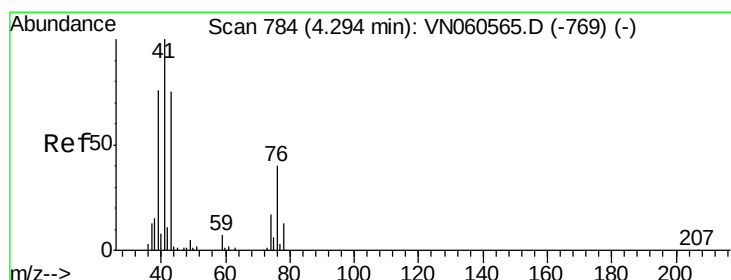
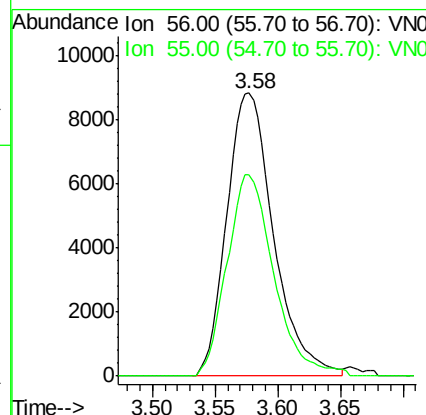
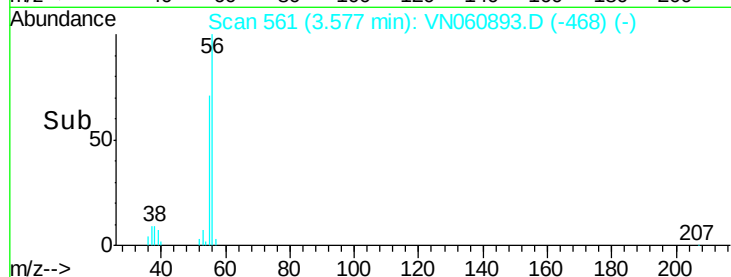
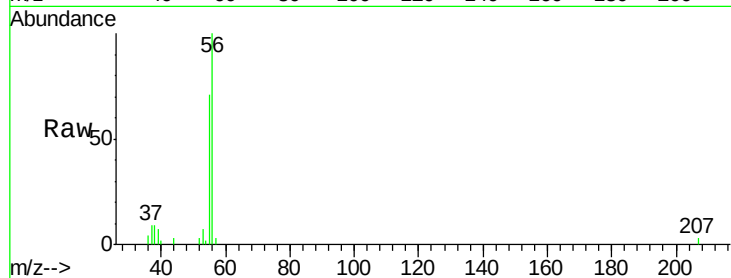
#13
Acrolein
Concen: 55.144 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.7	85.1

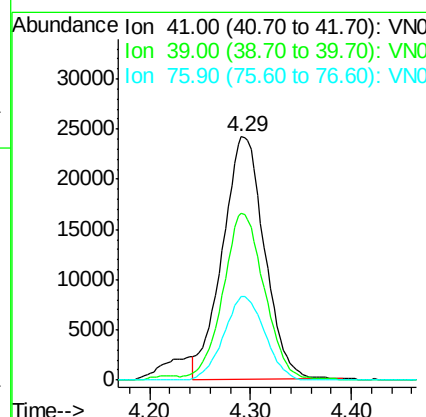
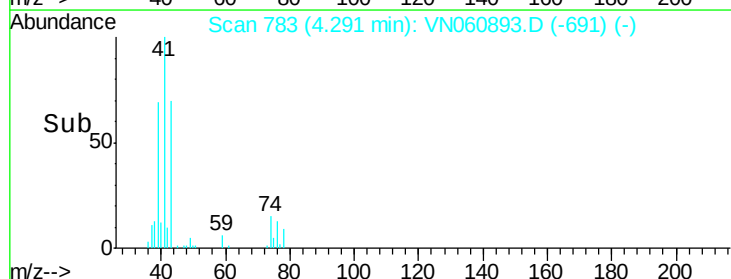
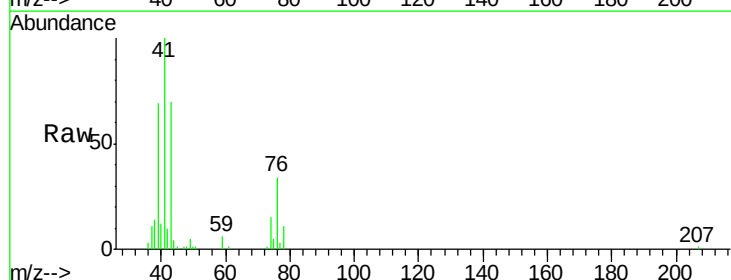
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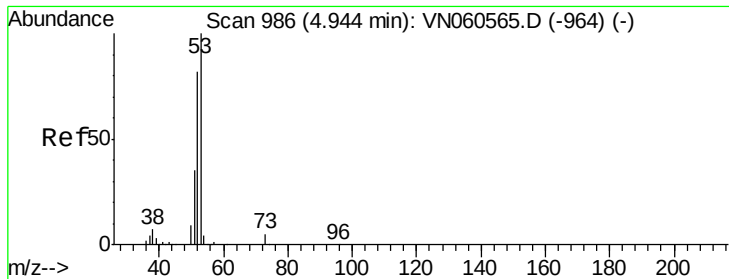
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#14
Allyl chloride
Concen: 19.753 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	67.1	57.8	86.8
76	33.6	28.6	43.0





#15

Acrylonitrile

Concen: 95.919 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

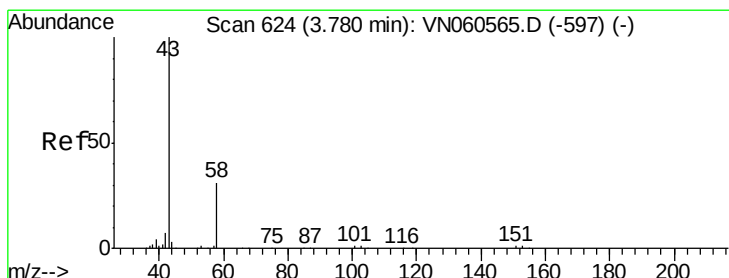
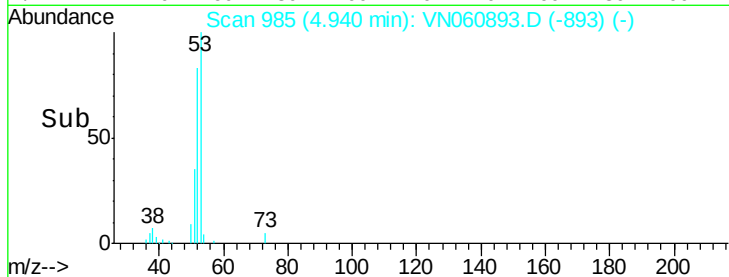
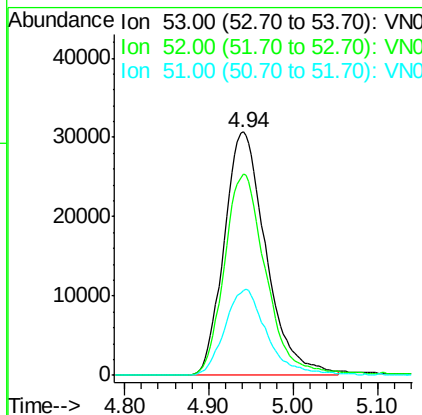
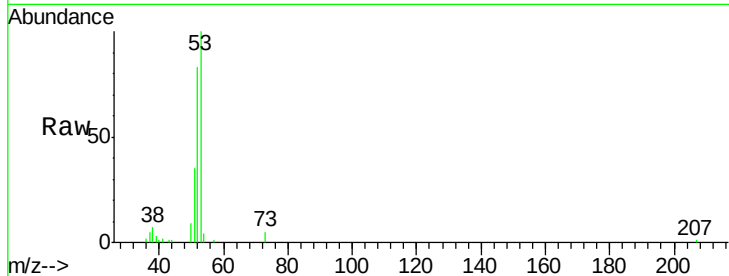
ClientSampled :

VN0408WBS01

Tot Ion:	53	Resp:	105880
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.4
51	35.7	28.7	43.1

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#16

Acetone

Concen: 107.148 ug/l

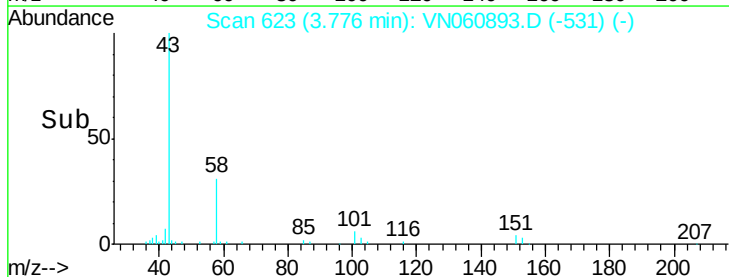
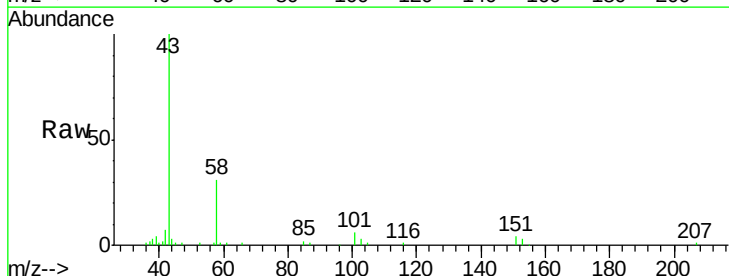
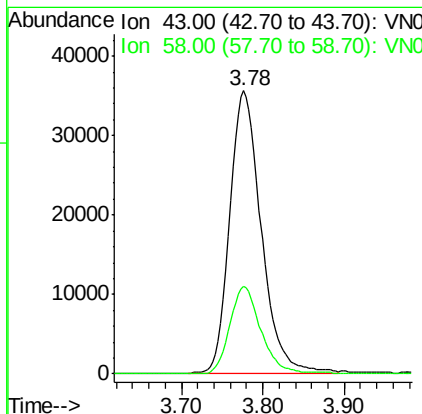
RT: 3.78 min Scan# 623

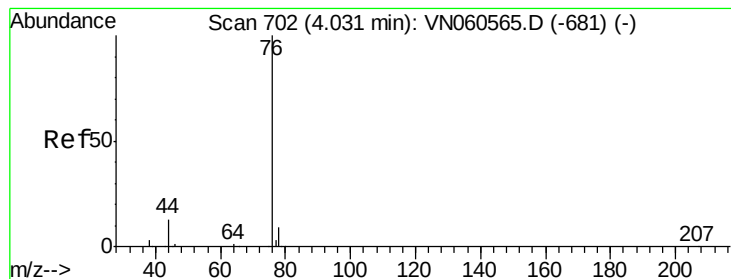
Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Tgt Ion:	43	Resp:	96876
Ion	Ratio	Lower	Upper
43	100		
58	30.7	25.1	37.7





#17

Carbon Disulfide

Concen: 16.969 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBS01

Tot Ion: 76 Resp: 103893

Ion Ratio Lower Upper

76 100

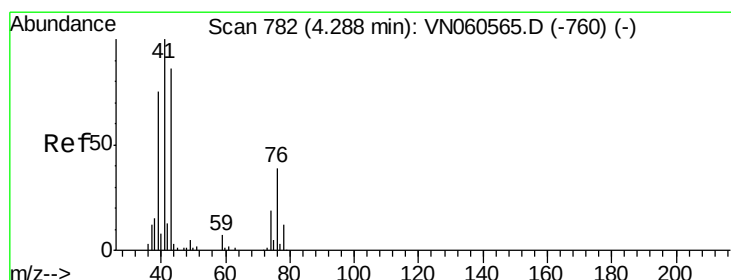
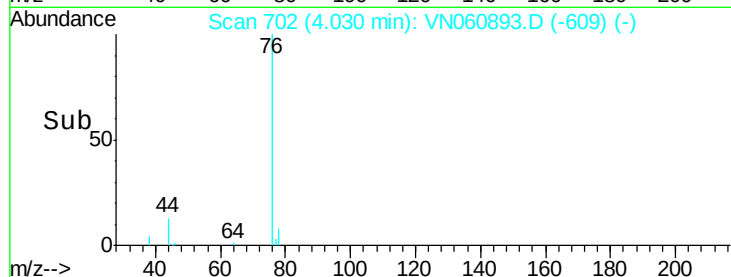
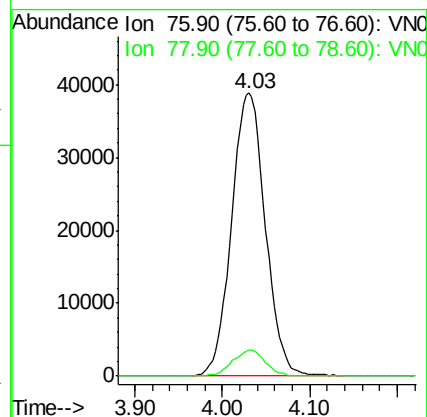
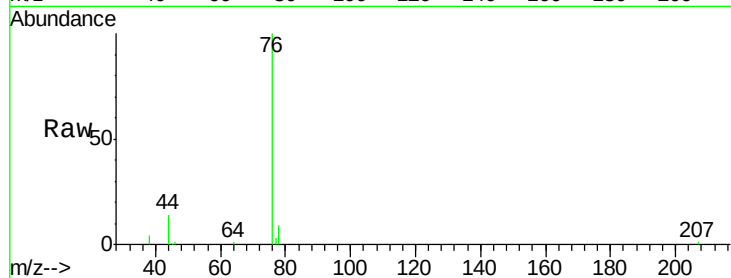
78 9.2 7.2 10.8

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#18

Methyl Acetate

Concen: 20.477 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN060893.D

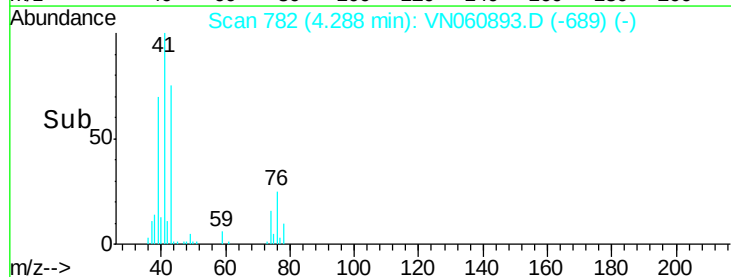
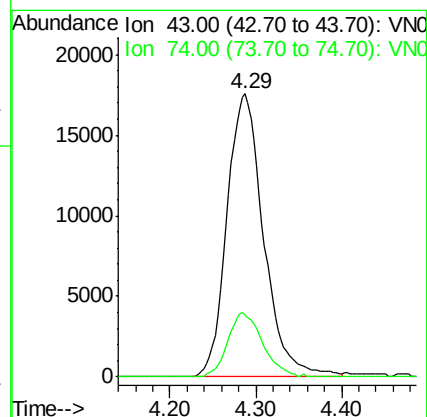
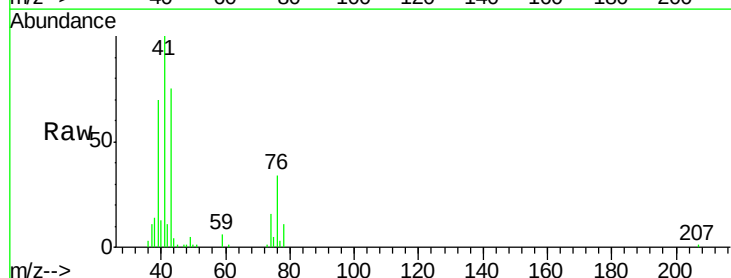
Acq: 8 Apr 2020 12:05

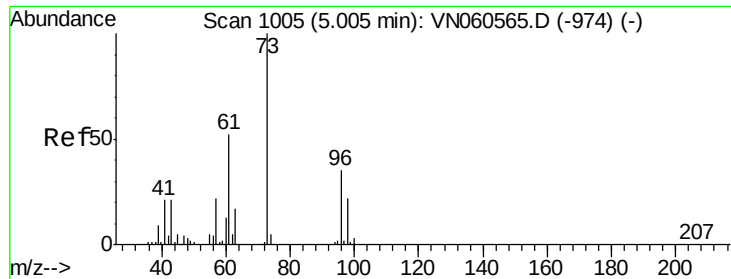
Tgt Ion: 43 Resp: 52112

Ion Ratio Lower Upper

43 100

74 21.5 17.5 26.3





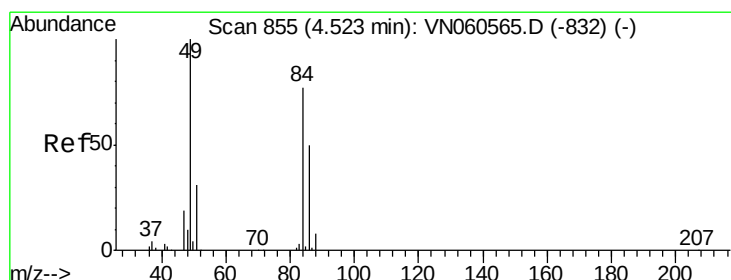
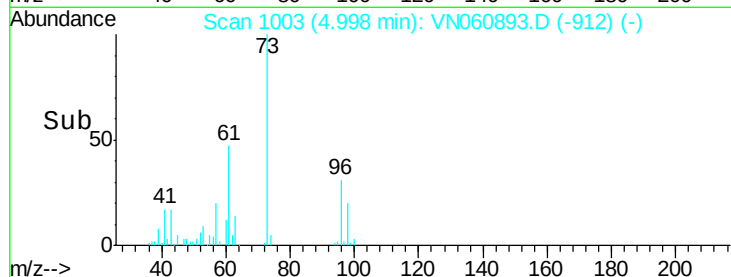
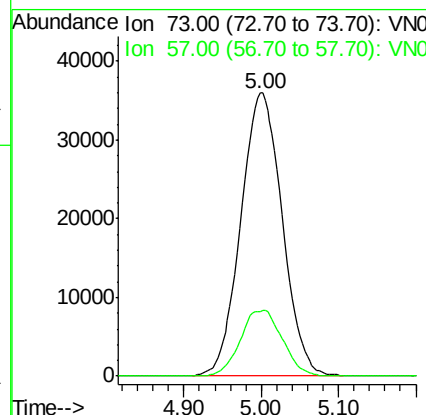
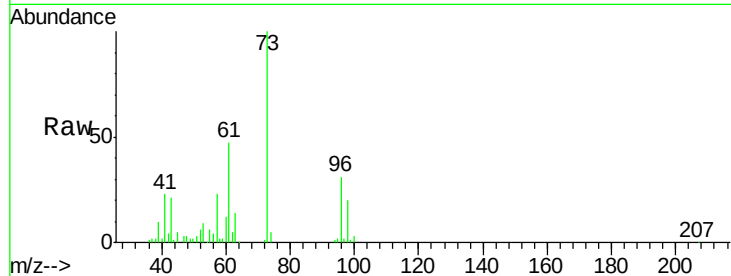
#19
Methyl tert-butyl Ether
Concen: 19.367 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0408WBS01

Tot Ion: 73 Resp: 134043
Ion Ratio Lower Upper
73 100
57 22.7 17.5 26.3

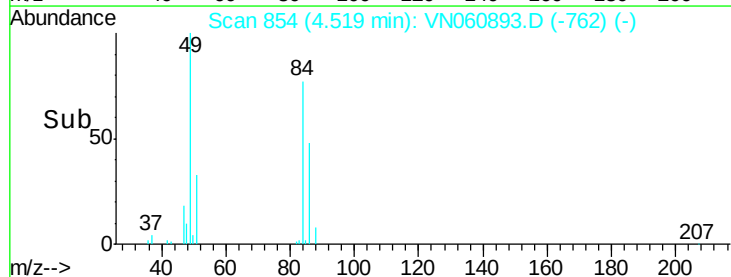
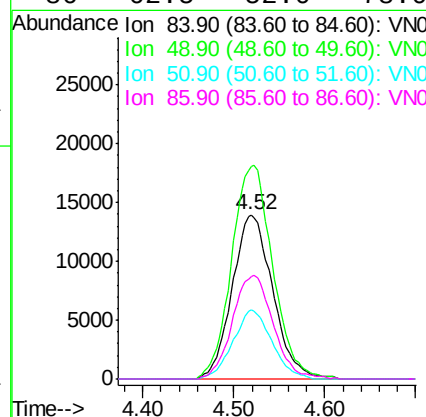
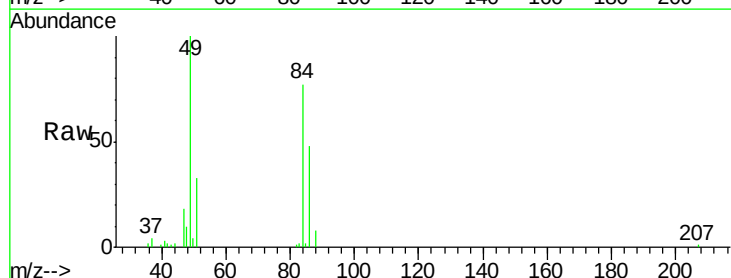
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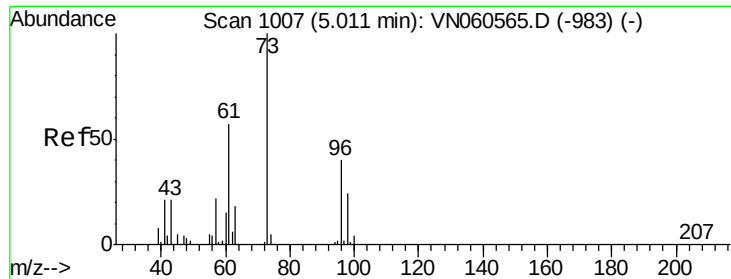
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#20
Methylene Chloride
Concen: 19.433 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 84 Resp: 43222
Ion Ratio Lower Upper
84 100
49 129.5 103.3 154.9
51 42.3 31.6 47.4
86 62.5 52.0 78.0





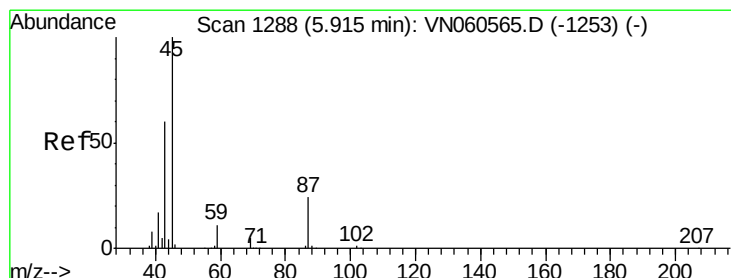
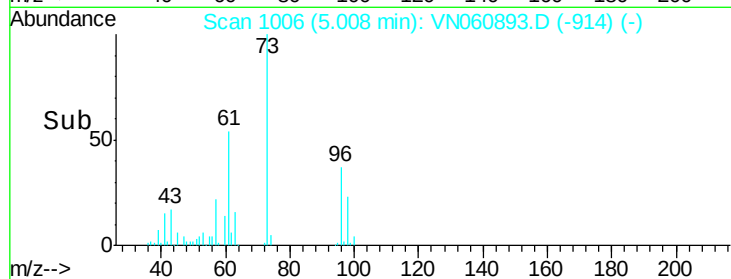
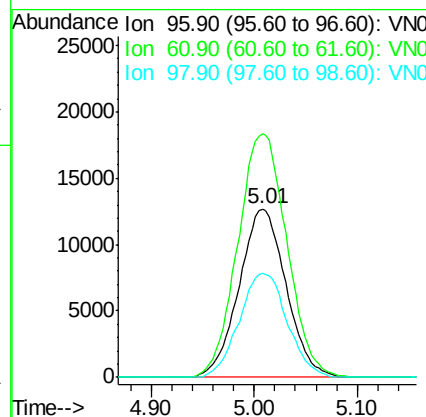
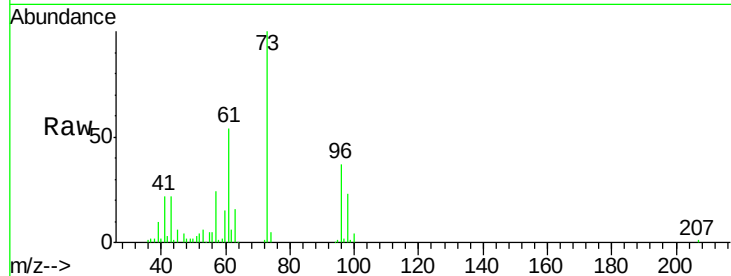
#21
trans-1,2-Dichloroethene
Concen: 18.675 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	114.4	171.6
98	62.0	48.4	72.6

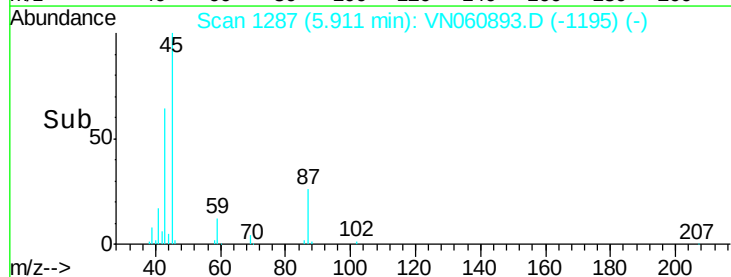
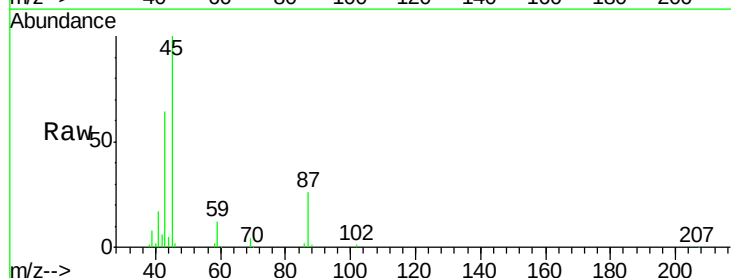
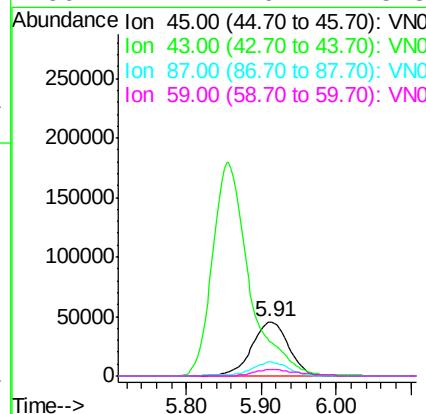
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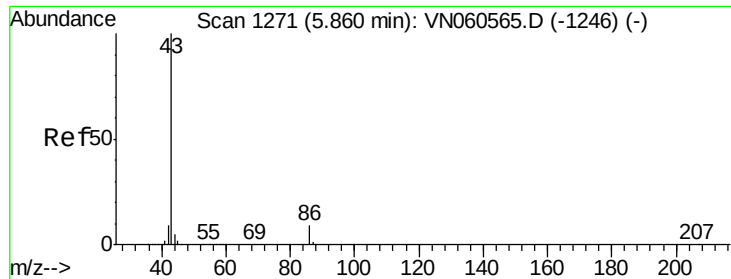
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#22
Diisopropyl ether
Concen: 20.894 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.0	49.8	74.8
87	25.6	20.1	30.1
59	12.1	9.2	13.8





#23

Vinyl Acetate

Concen: 100.437 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0408WBS01

Tot Ion: 43 Resp: 612983

Ion Ratio Lower Upper

43 100

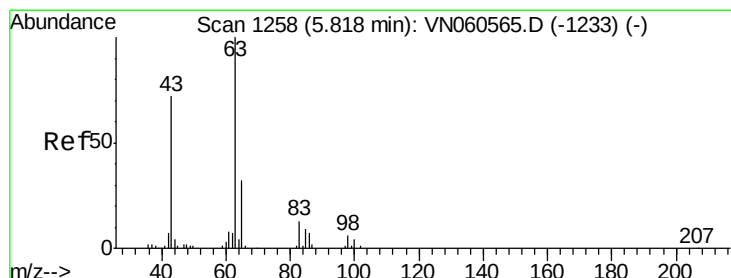
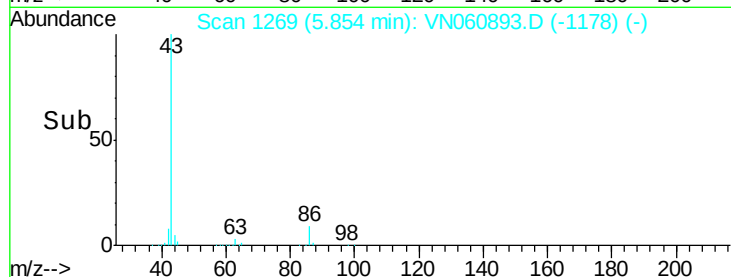
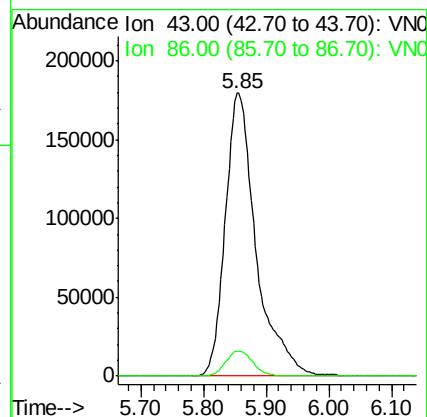
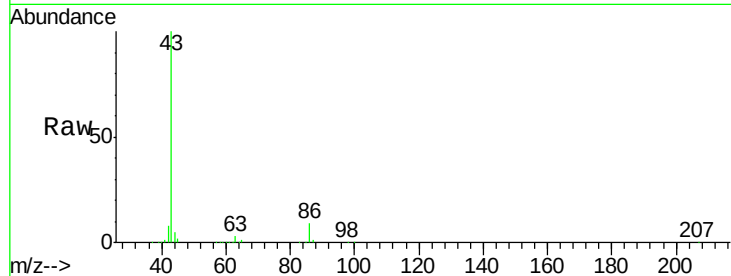
86 8.9 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.443 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

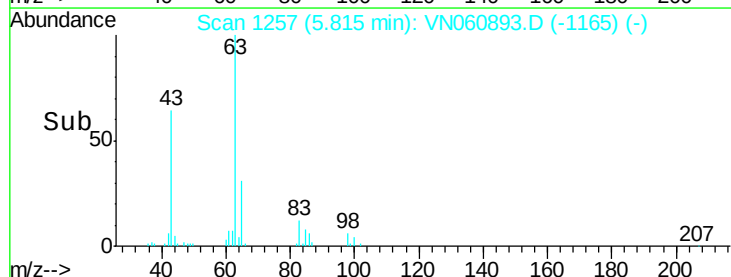
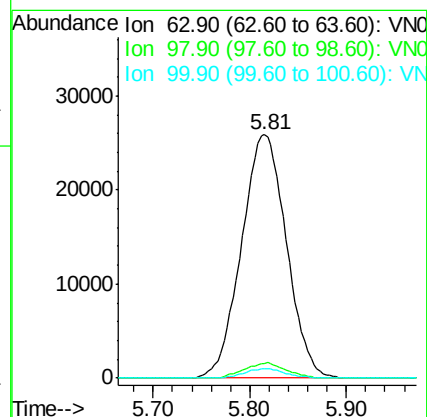
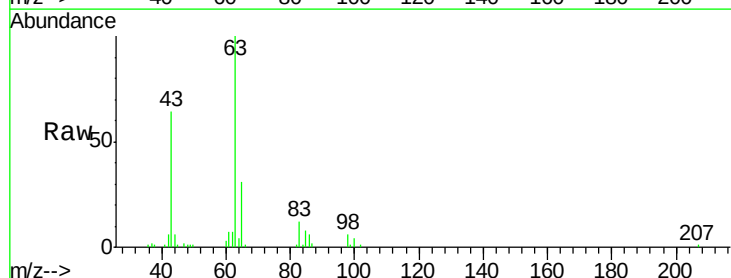
Tgt Ion: 63 Resp: 83363

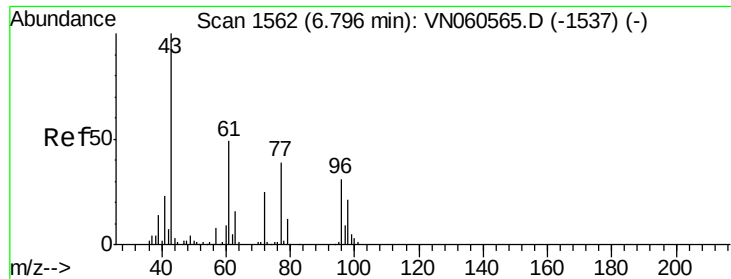
Ion Ratio Lower Upper

63 100

98 6.2 2.9 8.7

100 4.0 1.8 5.5





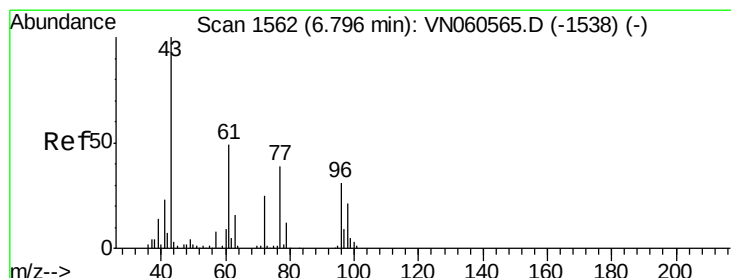
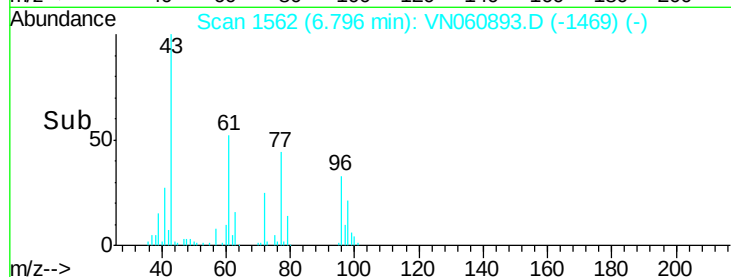
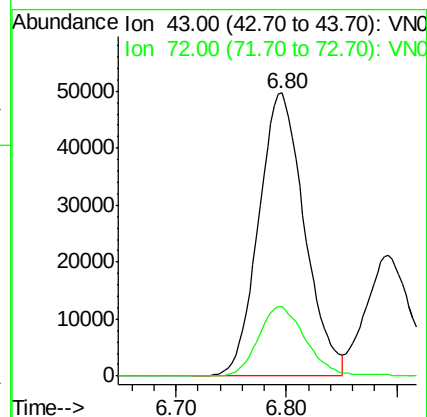
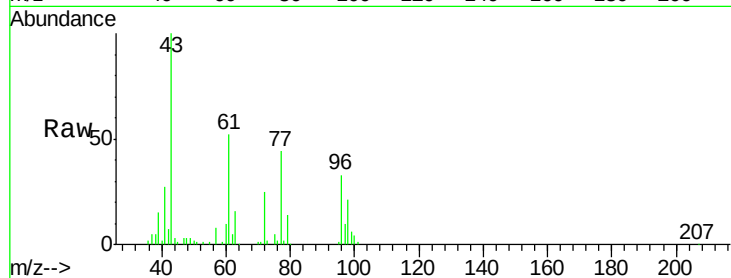
#25
2-Butanone
Concen: 97.788 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0408WBS01

Tot Ion: 43 Resp: 143067
Ion Ratio Lower Upper
43 100
72 24.8 20.4 30.6

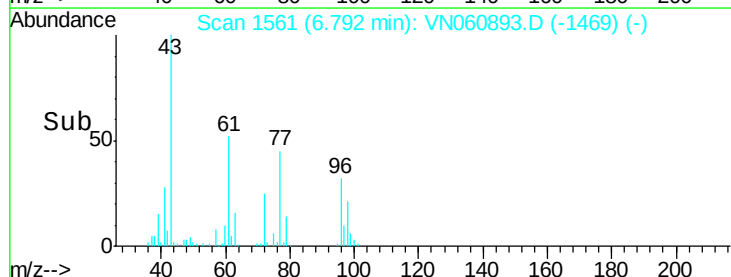
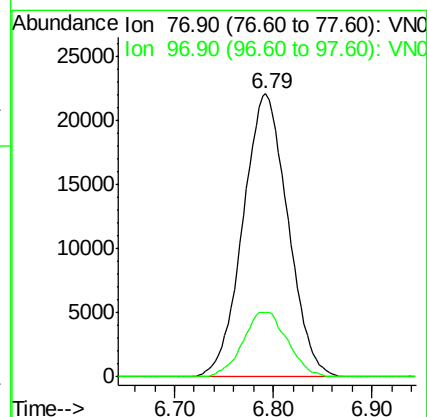
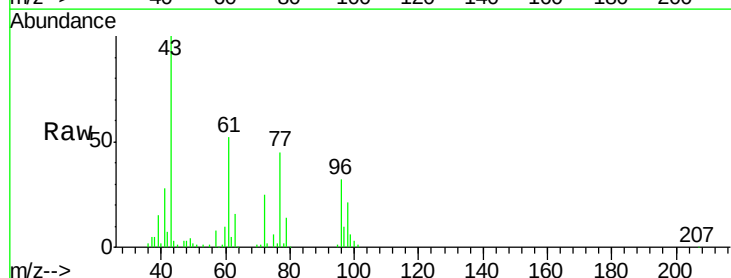
Manual Integrations
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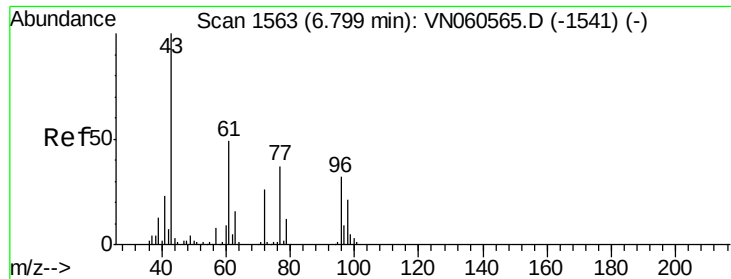
apatel
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#26
2,2-Dichloropropane
Concen: 21.703 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 77 Resp: 69631
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 19.545 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

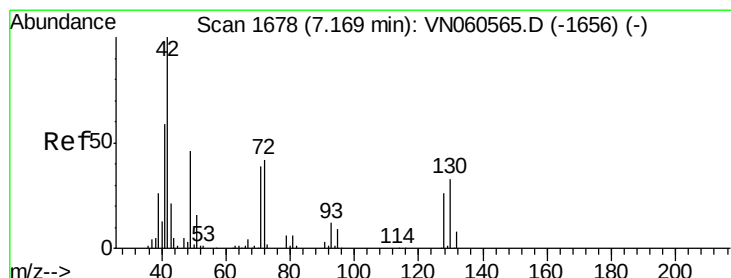
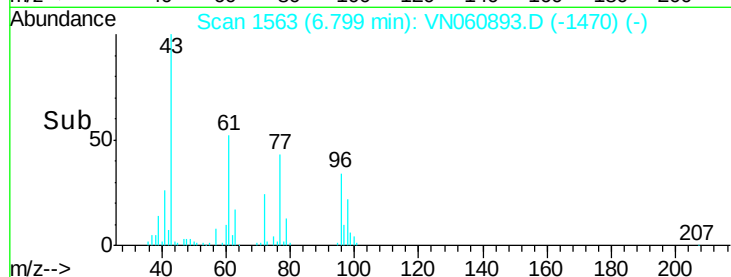
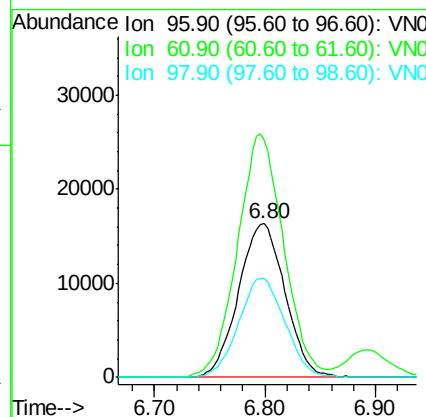
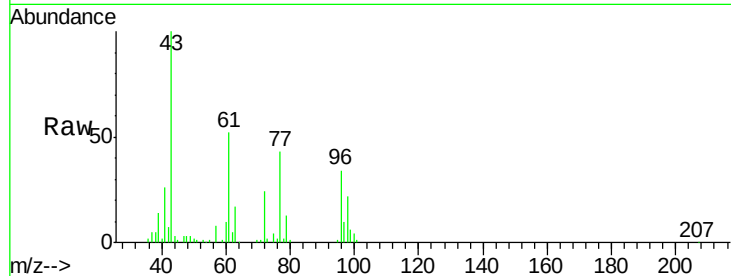
ClientSampled :

VN0408WBS01

Tot Ion:	96	Resp:	47652
Ion	Ratio	Lower	Upper
96	100		
61	157.4	0.0	305.6
98	64.2	0.0	127.6

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#28

Bromochloromethane

Concen: 19.977 ug/l

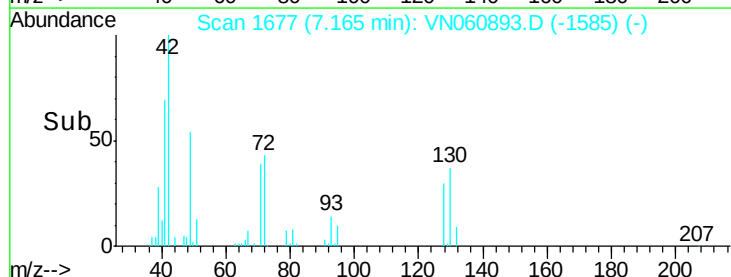
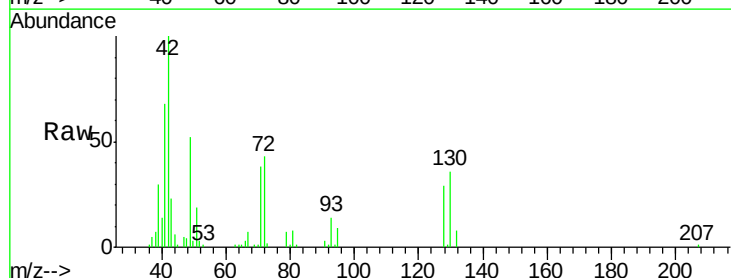
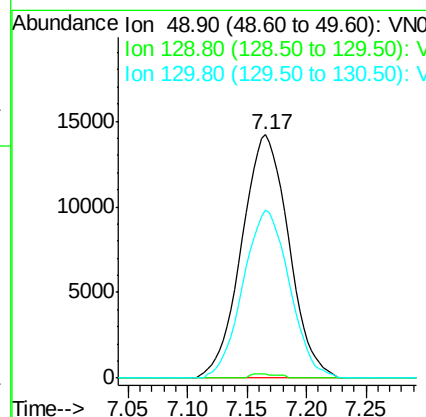
RT: 7.17 min Scan# 1677

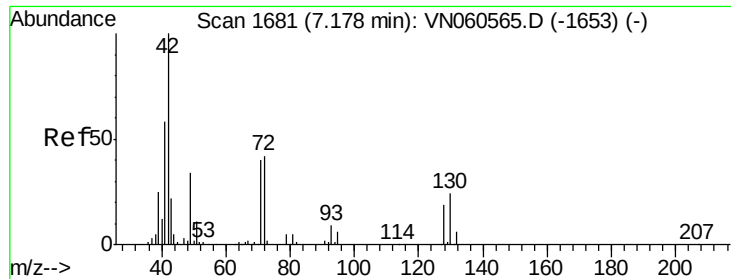
Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Tgt Ion:	49	Resp:	38975
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.4
130	68.0	55.0	82.4





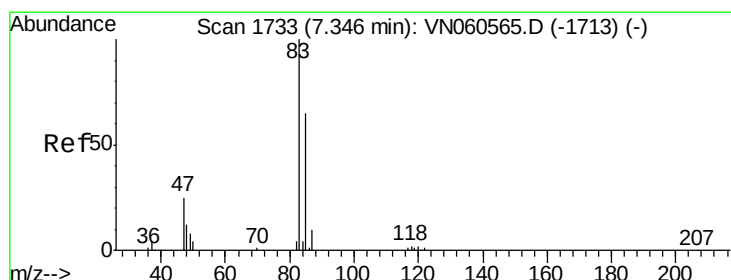
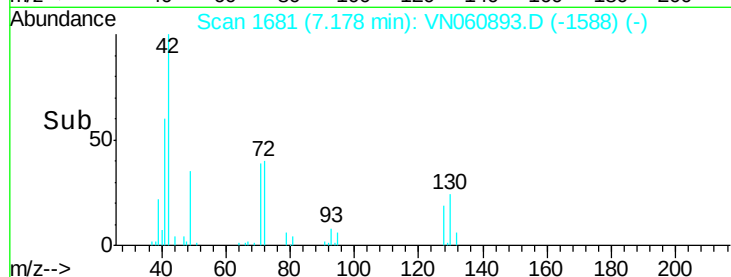
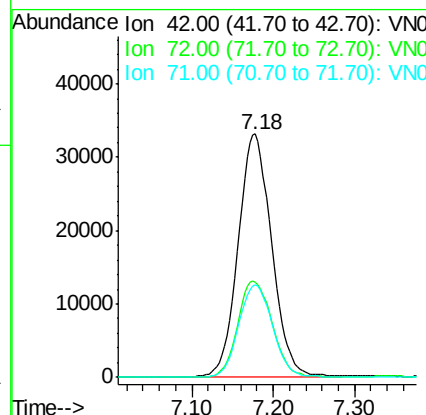
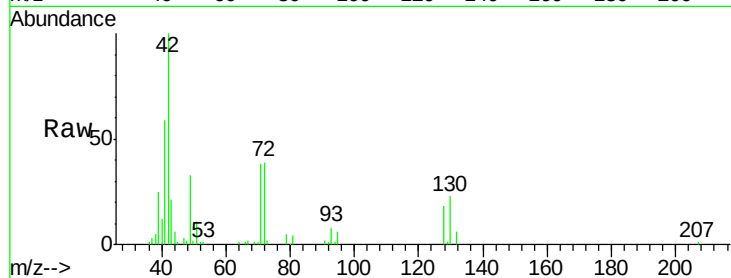
#29
Tetrahydrofuran
Concen: 91.984 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	33.2	49.8
71	38.1	31.1	46.7

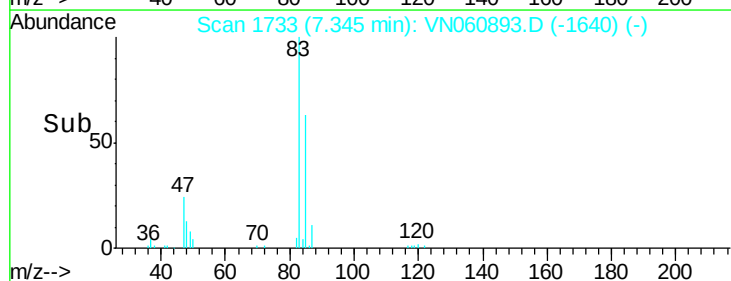
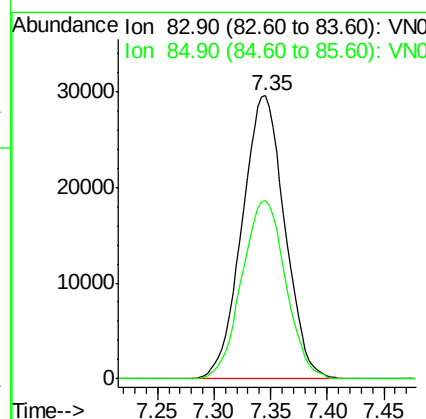
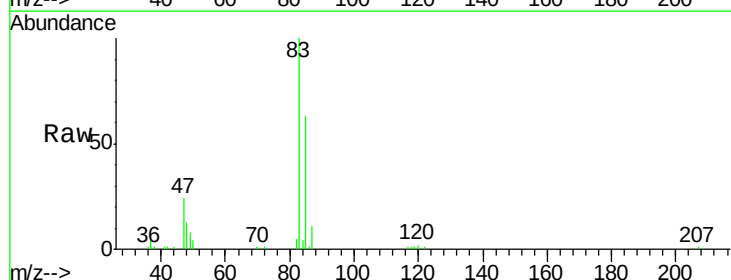
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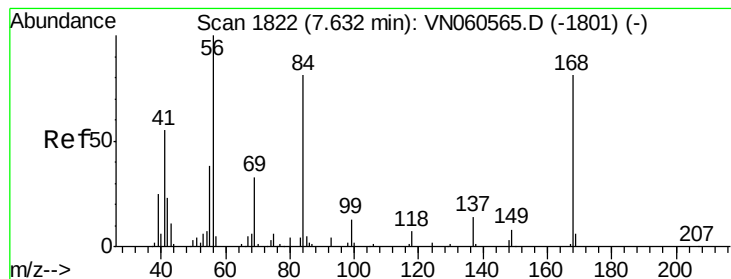
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#30
Chloroform
Concen: 19.855 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.8	77.8





#31

Cyclohexane

Concen: 18.628 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0408WBS01

Tot Ion: 56 Resp: 76579

Ion Ratio Lower Upper

56 100

69 37.8 26.6 40.0

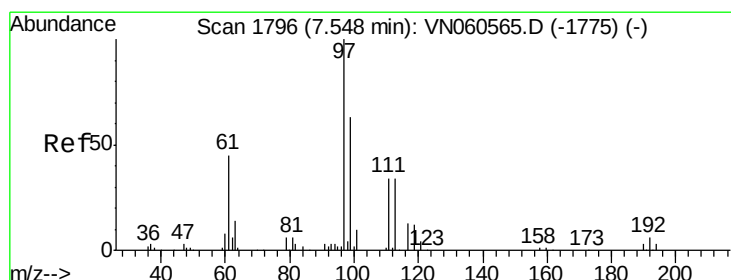
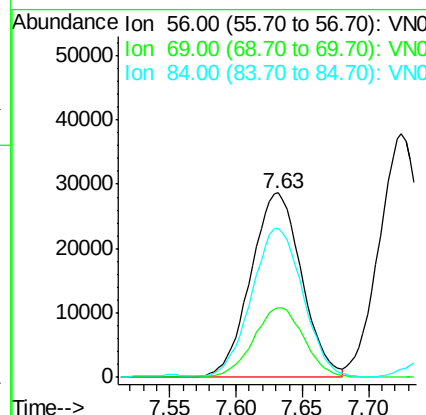
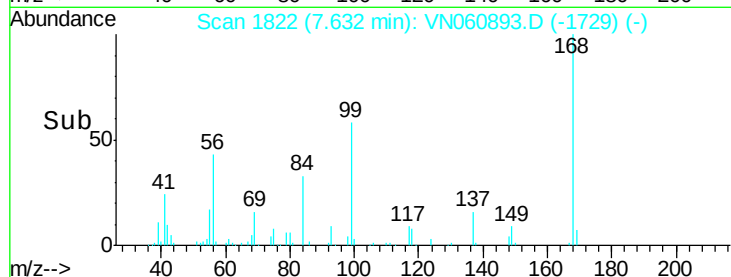
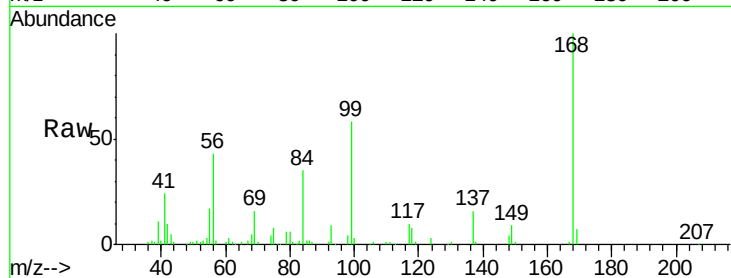
84 79.9 64.3 96.5

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#32

1,1,1-Trichloroethane

Concen: 19.721 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

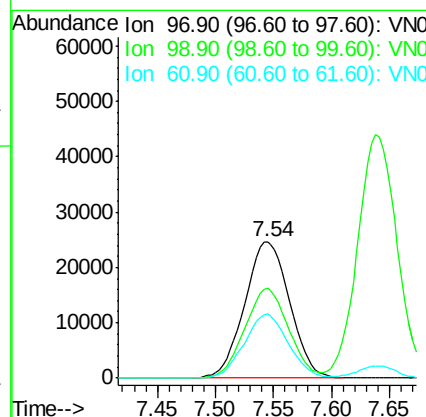
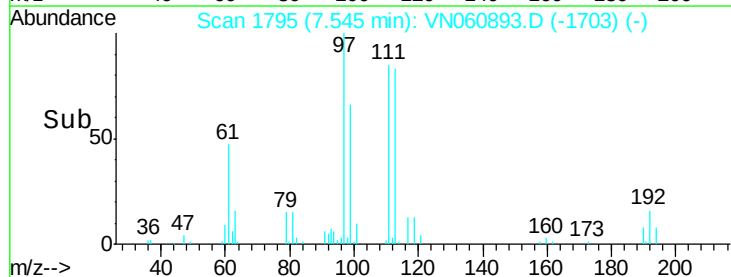
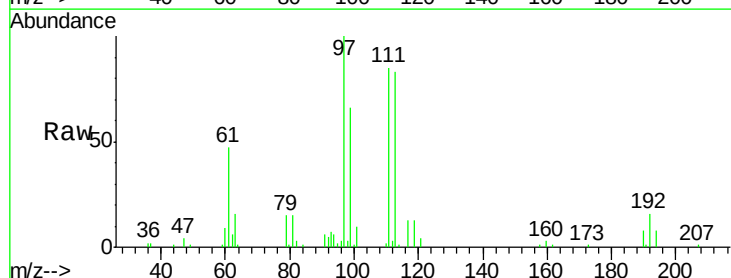
Tgt Ion: 97 Resp: 66462

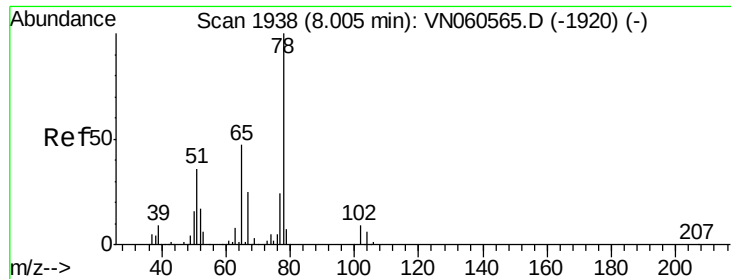
Ion Ratio Lower Upper

97 100

99 63.9 50.6 75.8

61 46.1 36.2 54.4





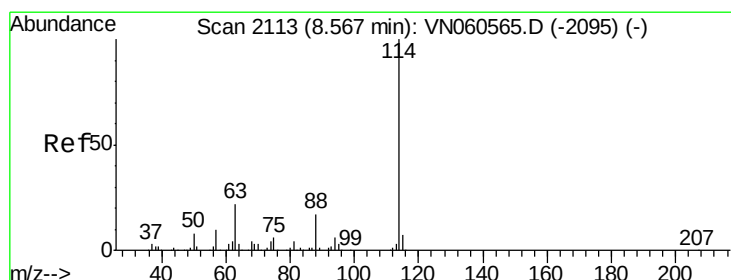
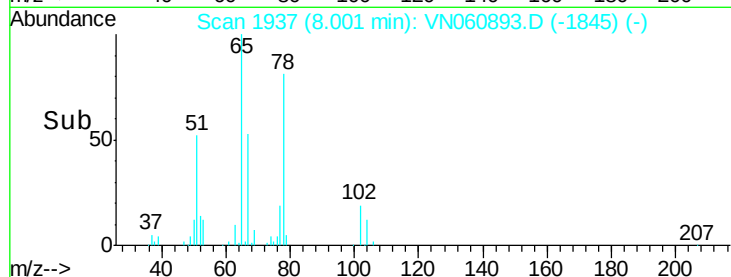
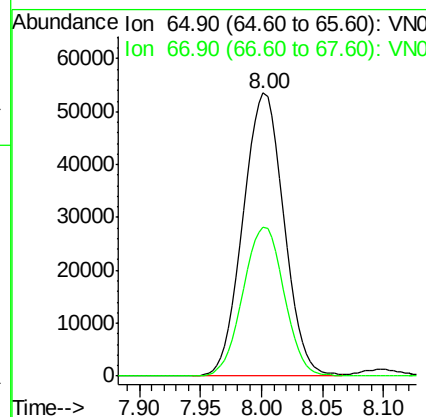
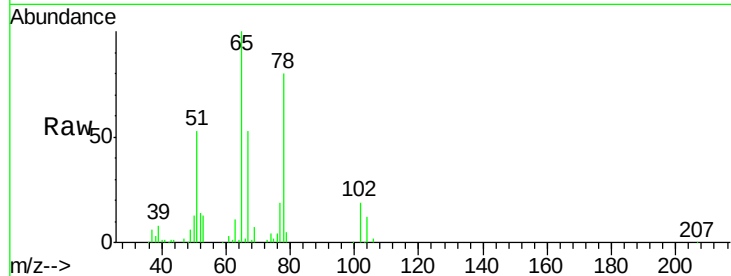
#33
 1,2-Dichloroethane-d4
 Concen: 48.714 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0408WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.9	0.0	107.6	

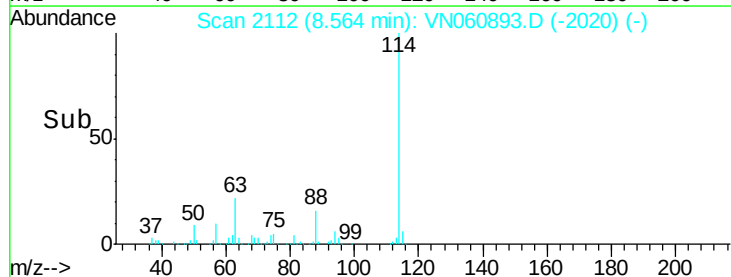
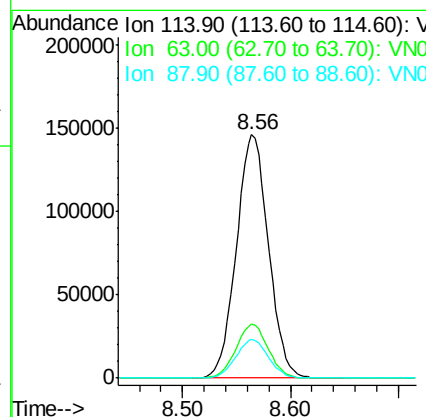
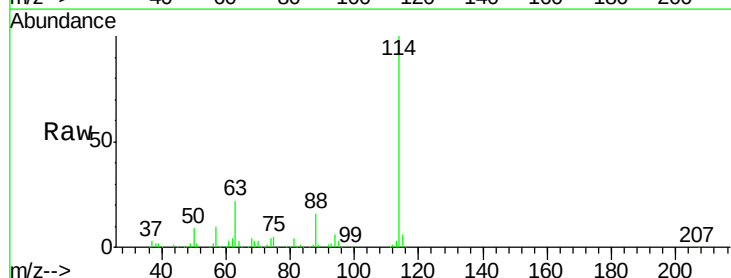
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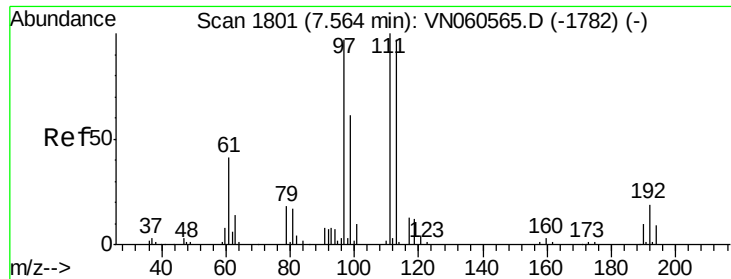
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	43.8	
88	16.1	0.0	33.0	





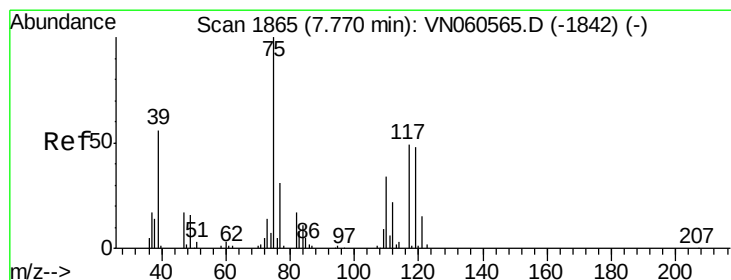
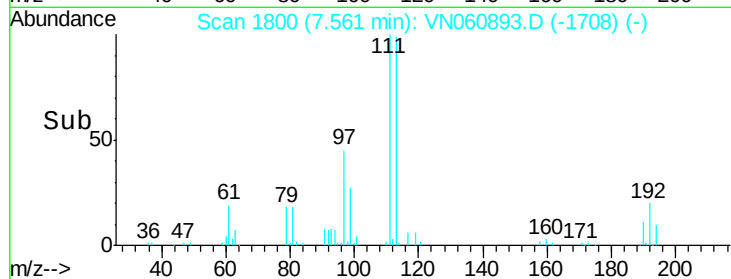
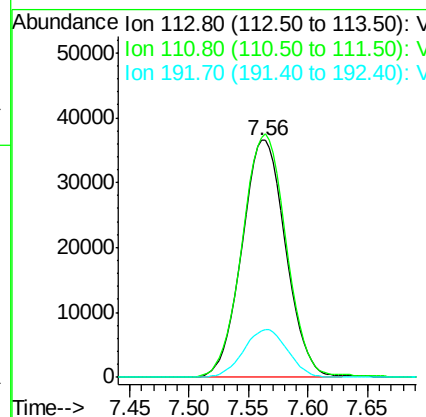
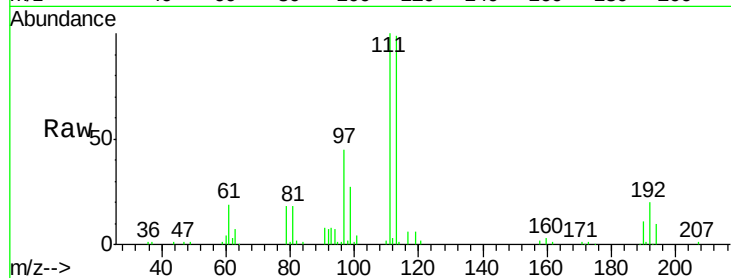
#35
 Dibromofluoromethane
 Concen: 50.781 ug/l
 RT: 7.56 min Scan# 1800
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.9	124.3
192	20.2	15.8	23.8

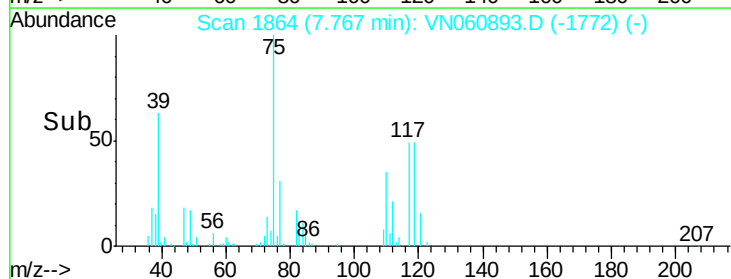
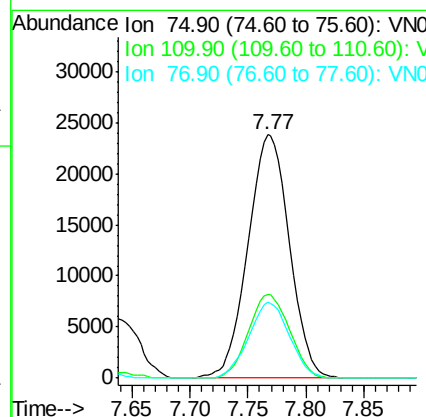
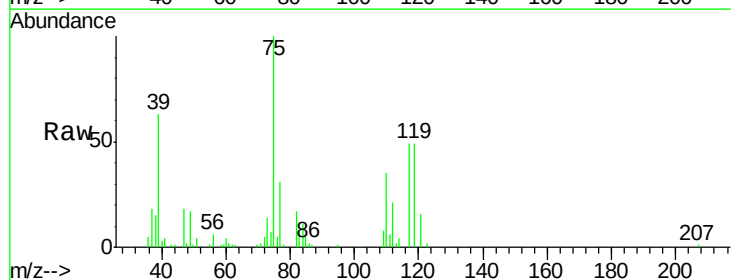
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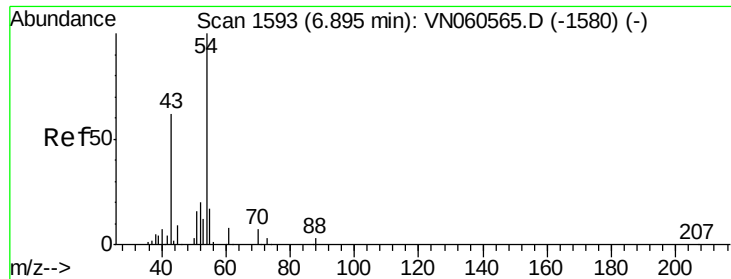
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#36
 1,1-Dichloropropene
 Concen: 20.143 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	30.6	24.6	36.8





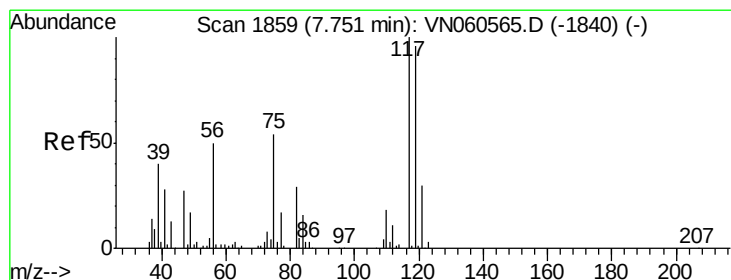
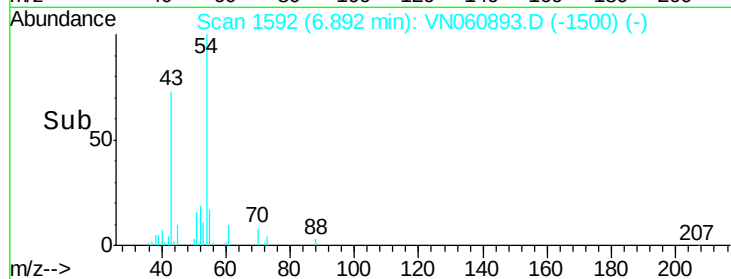
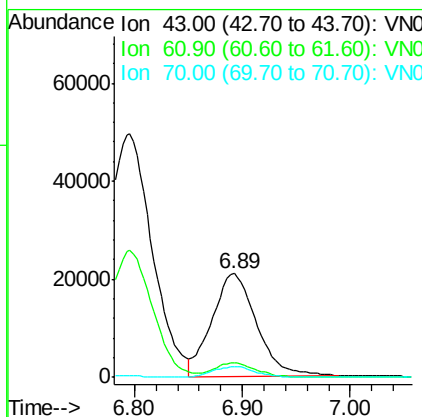
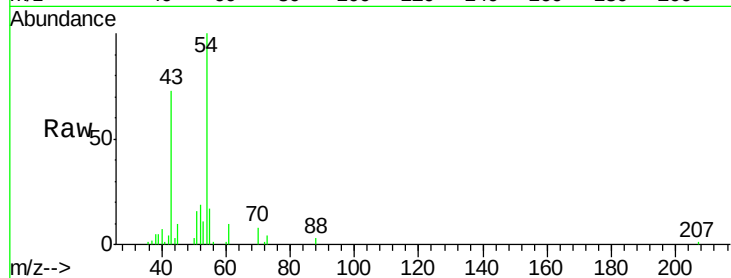
#37
Ethyl Acetate
Concen: 18.884 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0408WBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp:	59857					
Ion	43	61	70	100	13.3	9.8
Ratio					10.6	7.9
Lower						
Upper					15.8	11.9

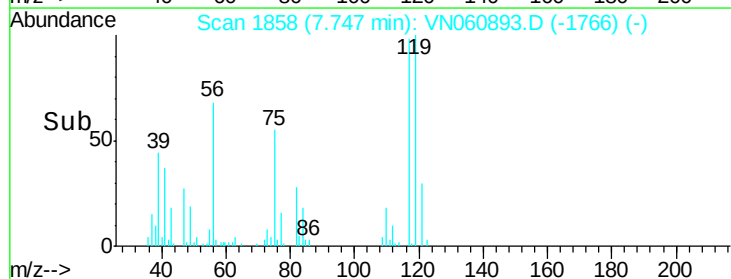
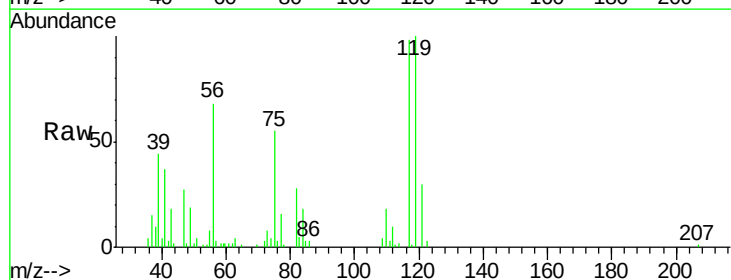
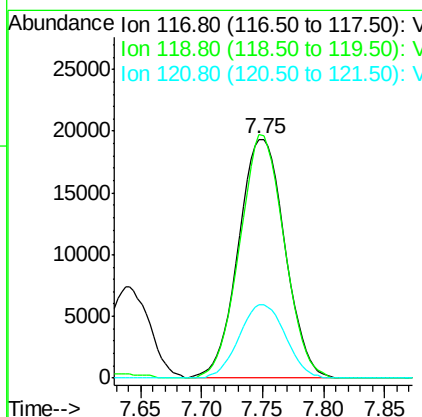
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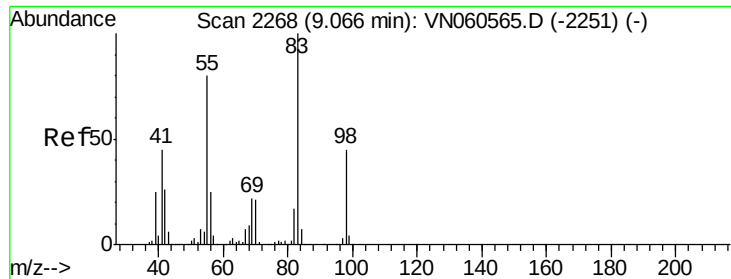
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#38
Carbon Tetrachloride
Concen: 19.430 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp:	51084					
Ion	117	119	121	100	101.9	30.9
Ratio					76.2	23.7
Lower						
Upper					114.2	35.5





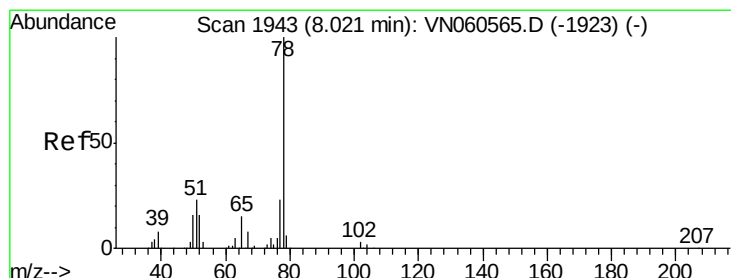
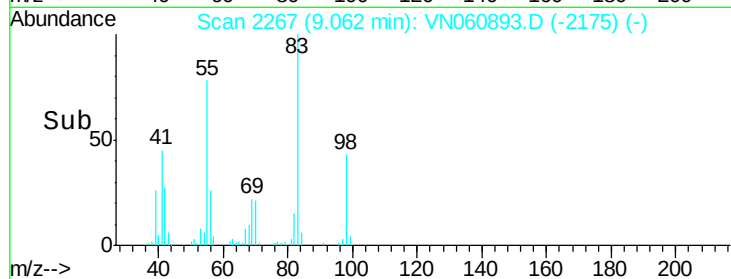
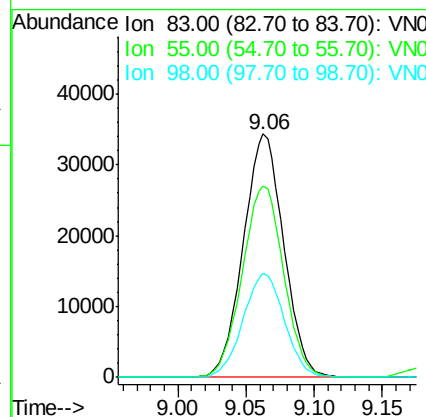
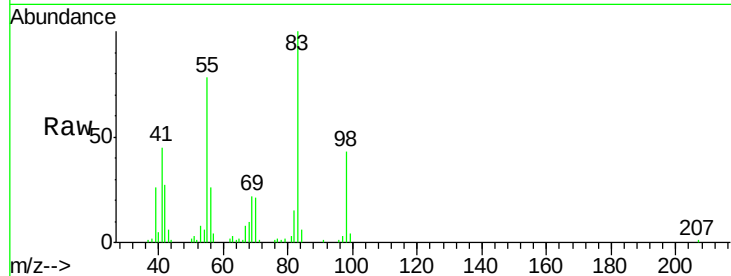
#39
Methylvlcyclohexane
Concen: 20.260 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.4	63.6	95.4
98	42.6	36.0	54.0

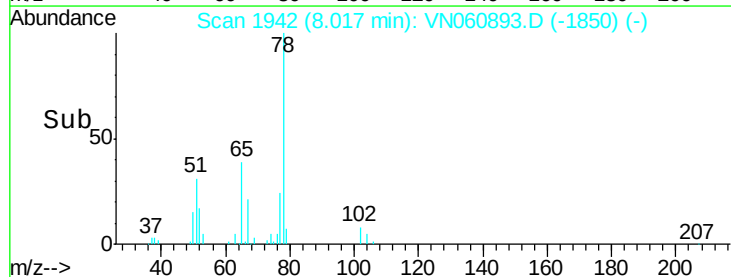
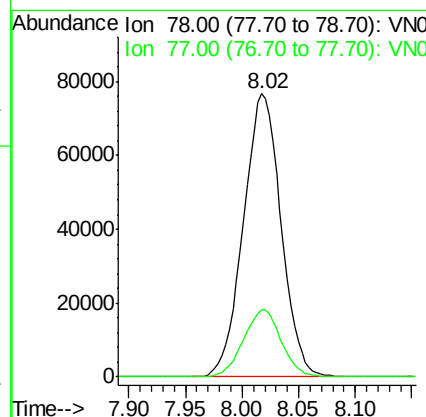
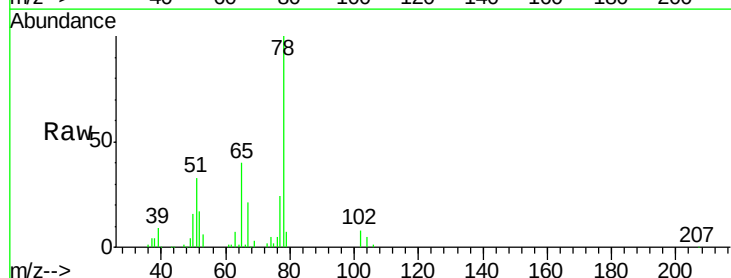
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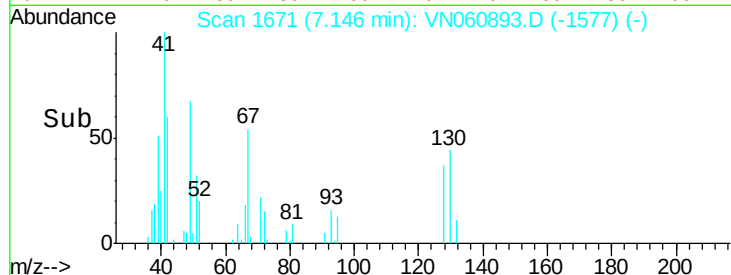
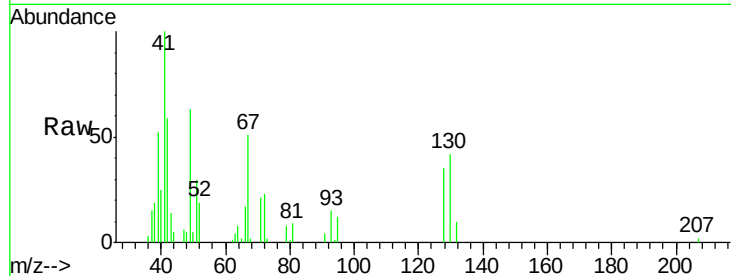
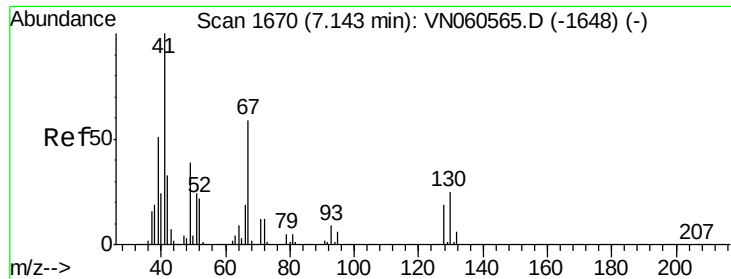
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#40
Benzene
Concen: 20.056 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0





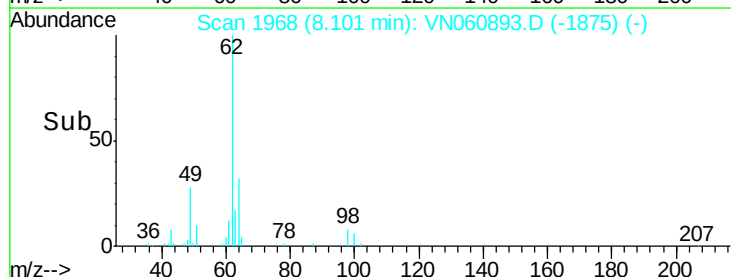
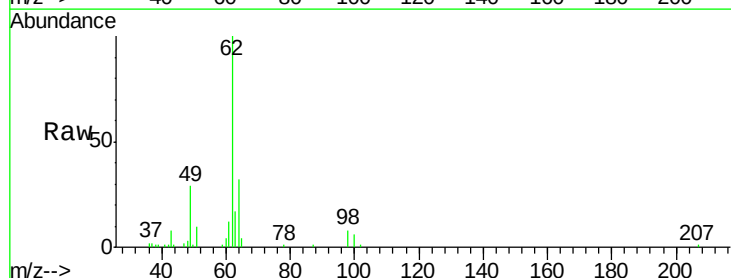
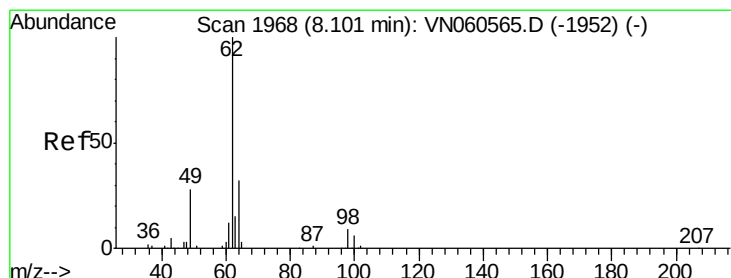
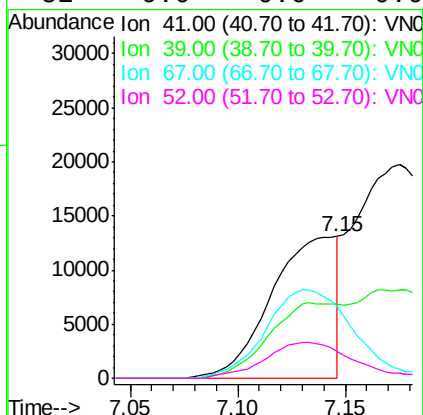
#41
Methacrylonitrile
Concen: 20.492 ug/l m
RT: 7.15 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tot Ion	41.00	Resp	27720
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampled :
VN0408WBS01

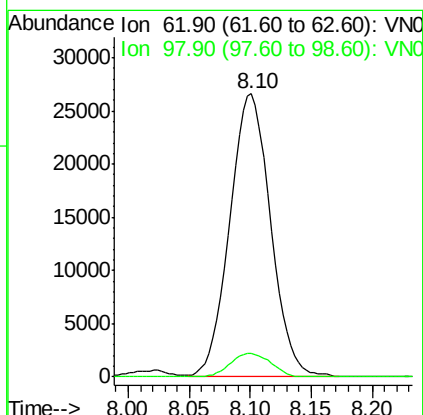
Manual Integrations
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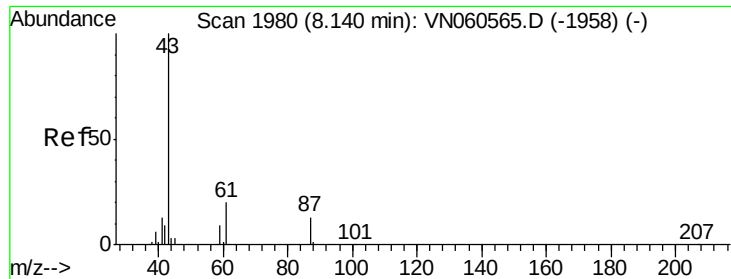
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#42
1,2-Dichloroethane
Concen: 20.455 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion	62	Resp	61904
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.8





#43

Isopropyl Acetate

Concen: 19.679 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

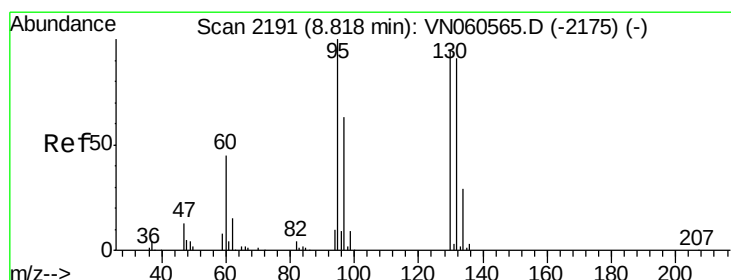
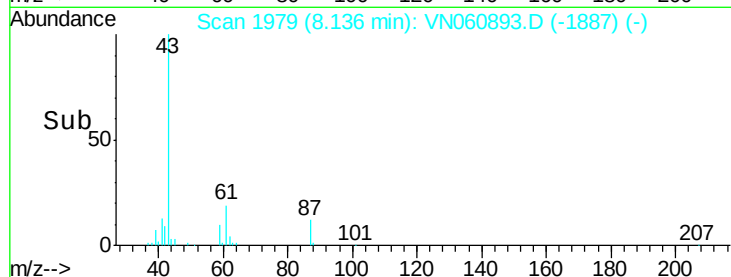
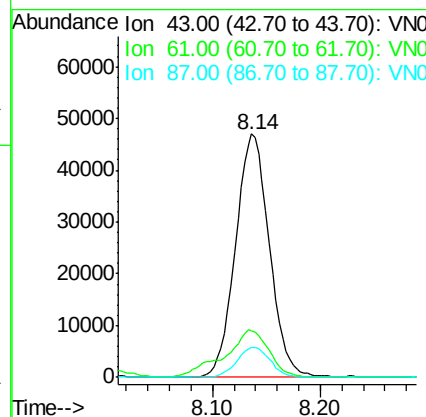
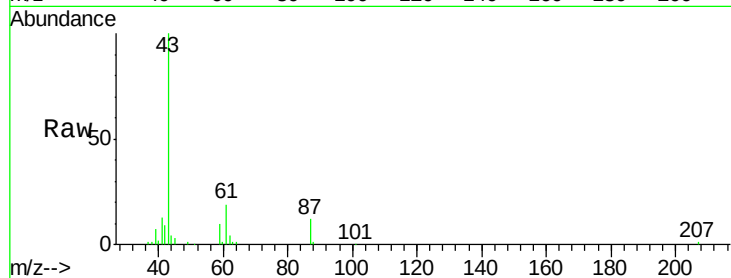
ClientSampled :

VN0408WBS01

Tot Ion:	43	Resp:	102872
Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.7	31.1
87	12.1	9.8	14.8

Manual Integrations
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#44

Trichloroethene

Concen: 20.054 ug/l

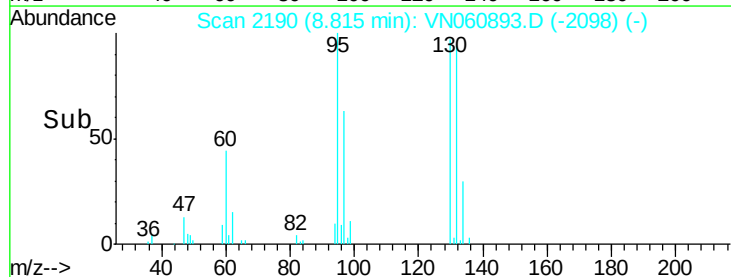
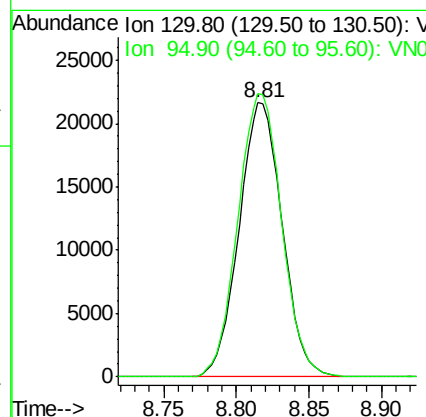
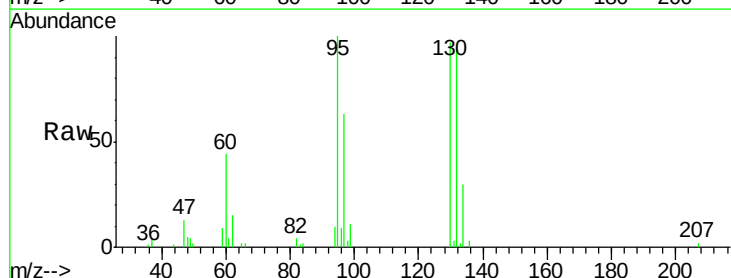
RT: 8.81 min Scan# 2190

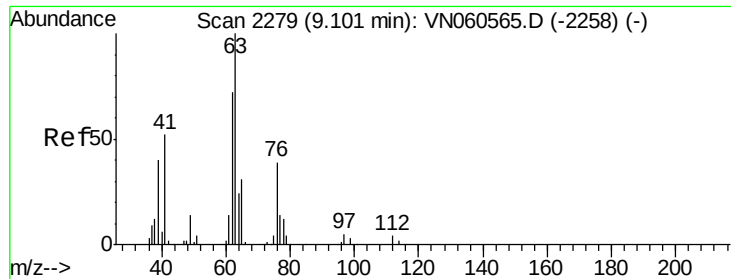
Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Tgt Ion:	130	Resp:	44768
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	211.2





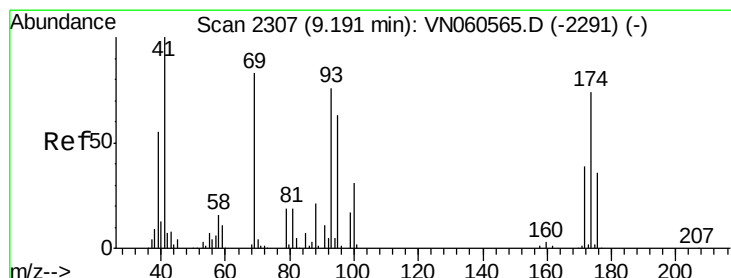
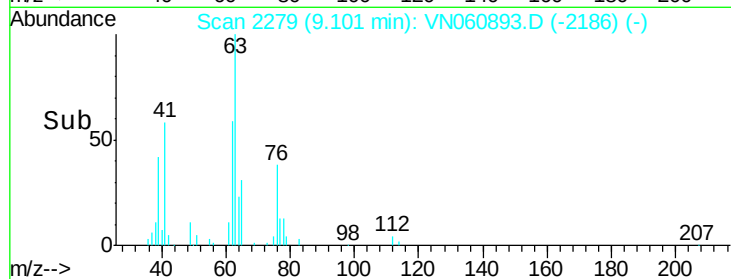
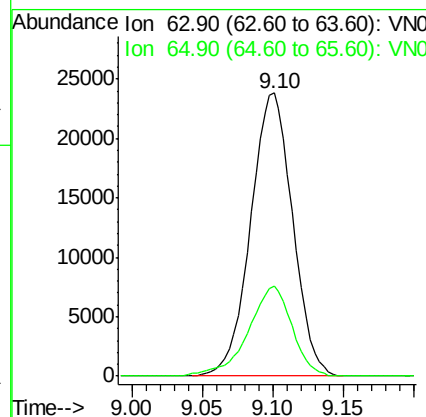
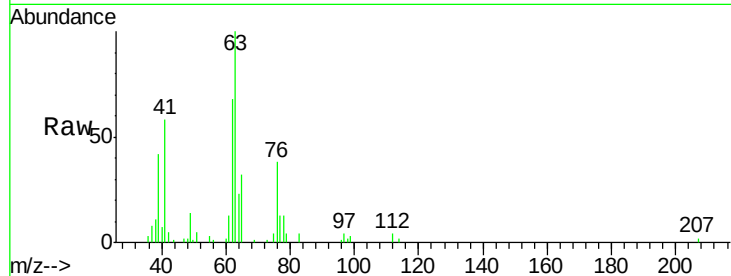
#45
 1,2-Dichloropropane
 Concen: 21.206 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0408WBS01

Tot Ion	63	Resp	49551
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.4	38.0

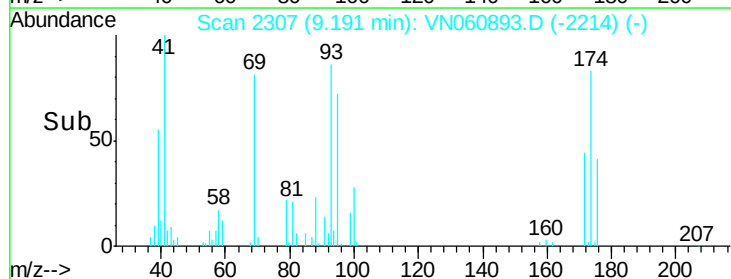
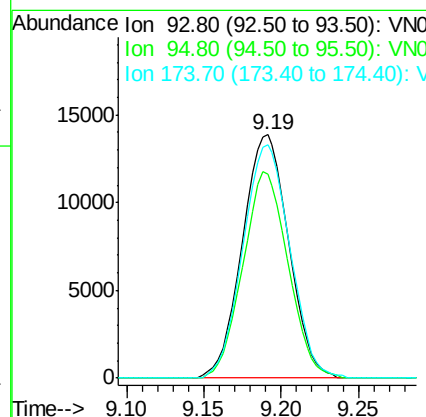
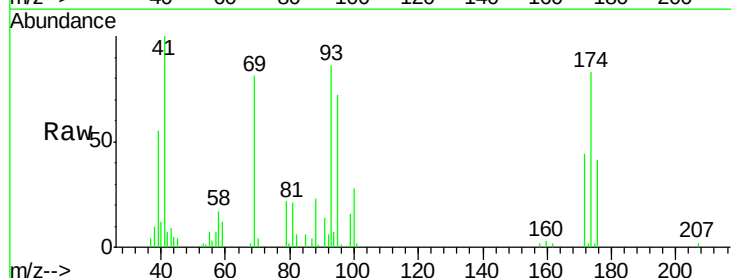
Manual Integrations
 APPROVED

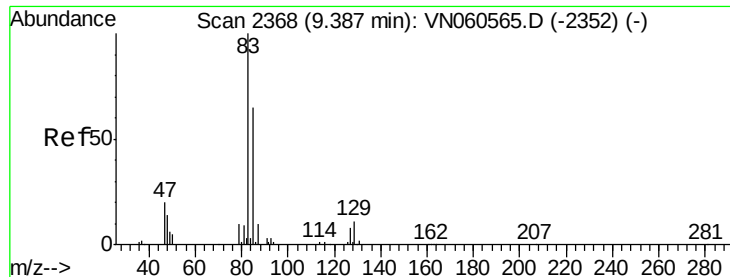
apatel
 4/9/2020 12:29:34 PM



#46
 Dibromomethane
 Concen: 20.463 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion	93	Resp	28908
Ion	Ratio	Lower	Upper
93	100		
95	82.7	66.2	99.4
174	97.2	77.9	116.9





#47

Bromodichloromethane

Concen: 20.644 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

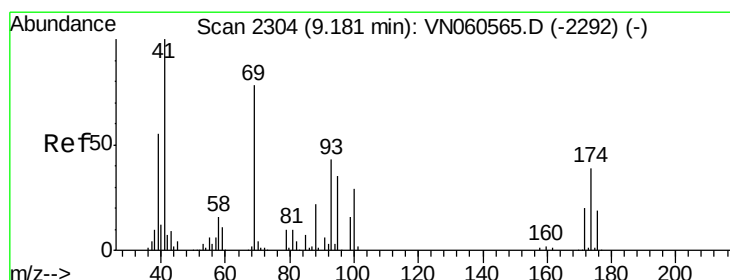
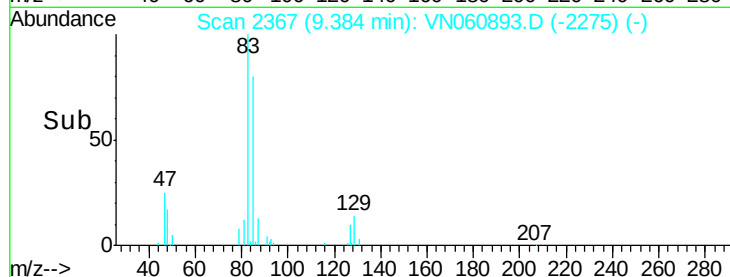
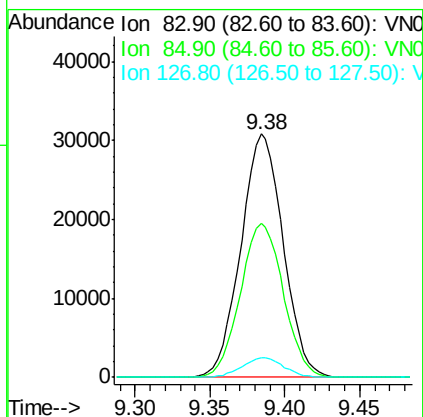
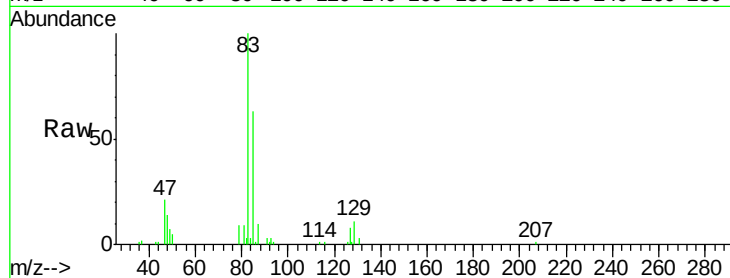
ClientSampled :

VN0408WBS01

Tot Ion:	83	Resp:	60602
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.8	77.6
127	8.1	6.5	9.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.165 ug/l

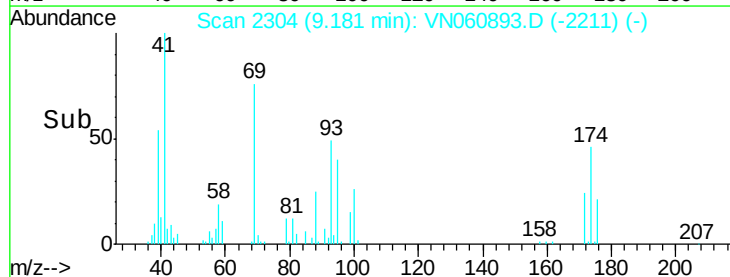
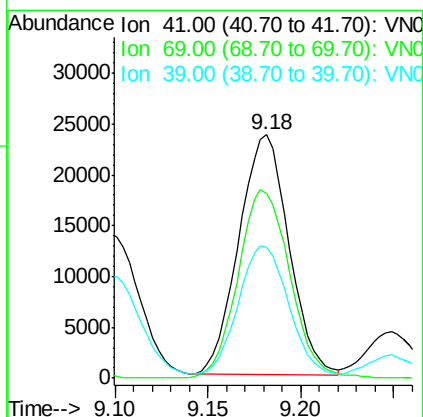
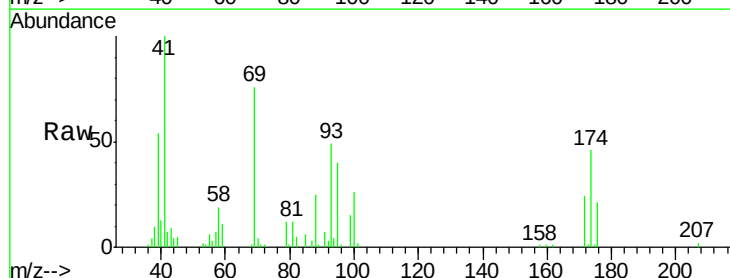
RT: 9.18 min Scan# 2304

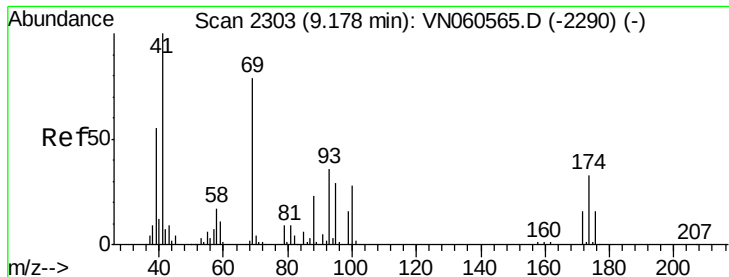
Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Tgt Ion:	41	Resp:	44604
Ion Ratio	Lower	Upper	
41	100		
69	80.8	65.4	98.0
39	53.4	44.0	66.0





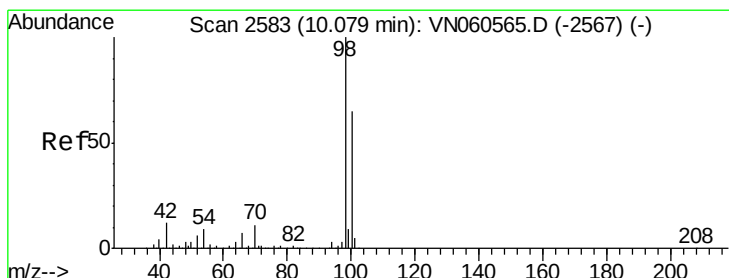
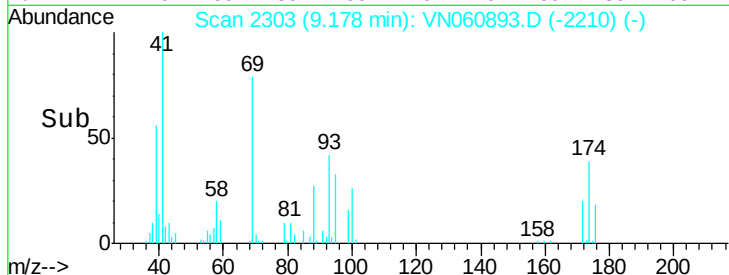
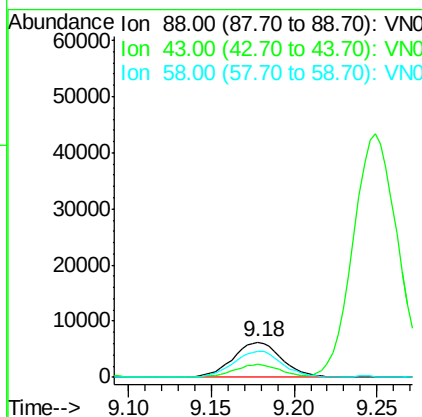
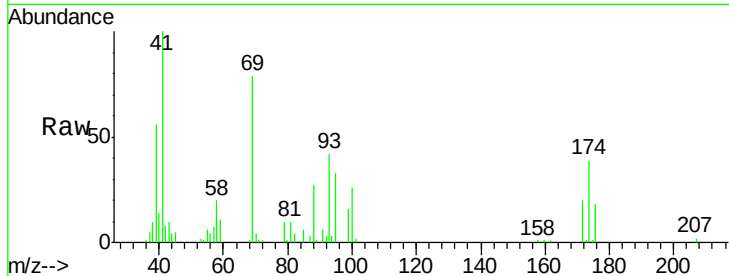
#49
 1,4-Dioxane
 Concen: 459.475 ug/l
 RT: 9.18 min Scan# 2303
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0408WBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	12711		
43	35.6		30.8	46.2
58	73.7		59.8	89.8

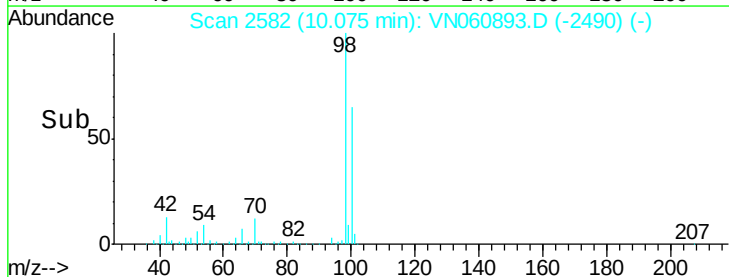
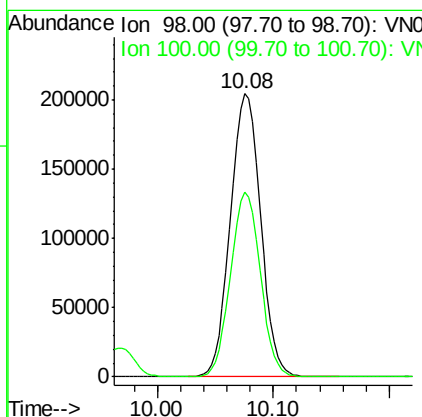
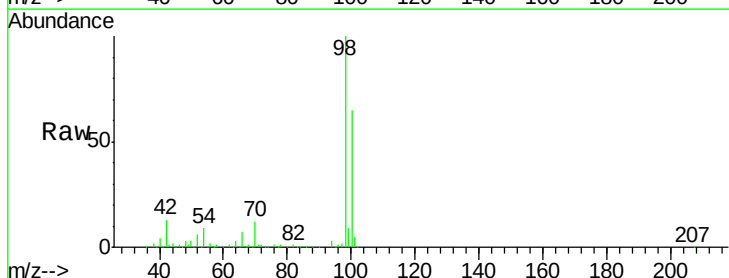
Manual Integrations
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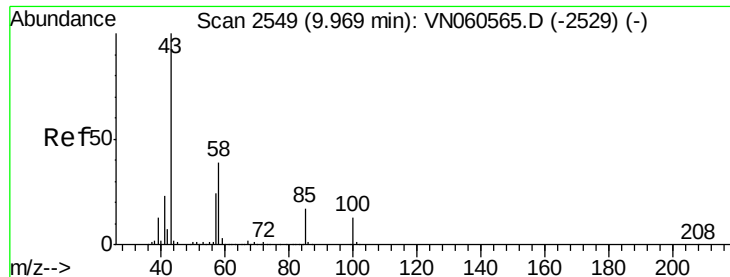
apatel
 4/9/2020 12:29:34 PM



#50
 Toluene-d8
 Concen: 49.366 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	369380		
100	64.4		51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 98.694 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0408WBS01

Tot Ion: 43 Resp: 293581

Ion Ratio Lower Upper

43 100

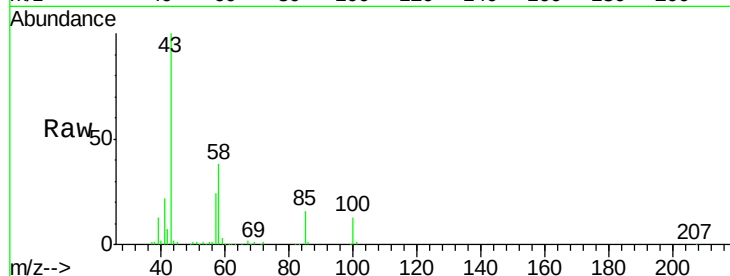
58 37.8 30.8 46.2

Manual Integrations

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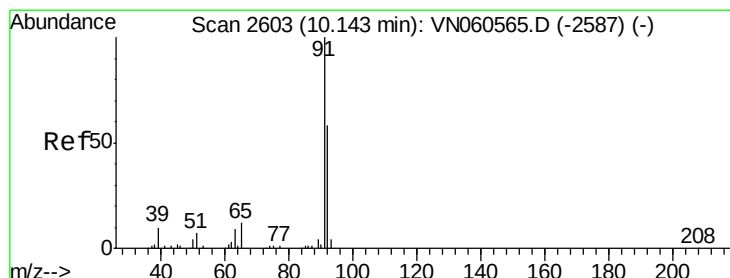
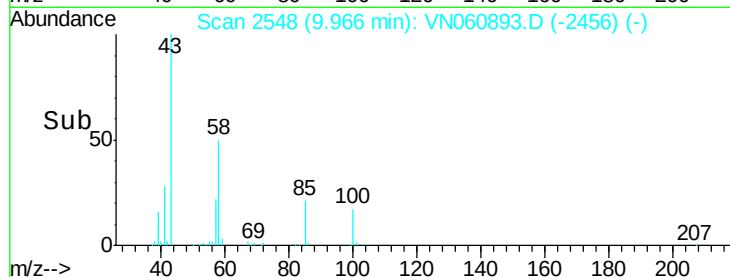
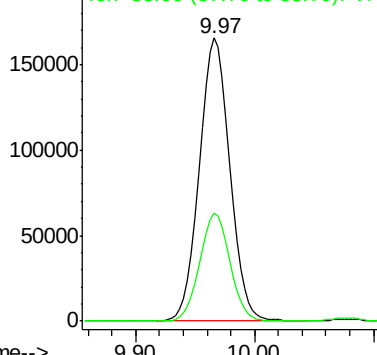
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.074 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060893.D

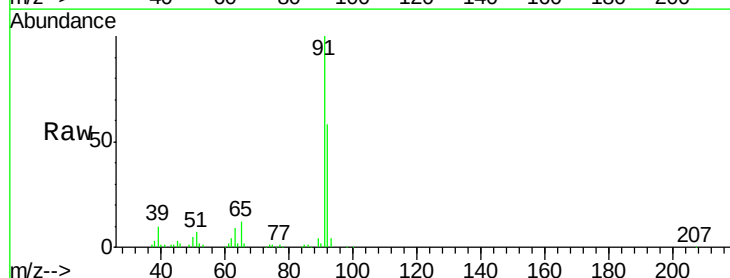
Acq: 8 Apr 2020 12:05

Tgt Ion: 92 Resp: 107358

Ion Ratio Lower Upper

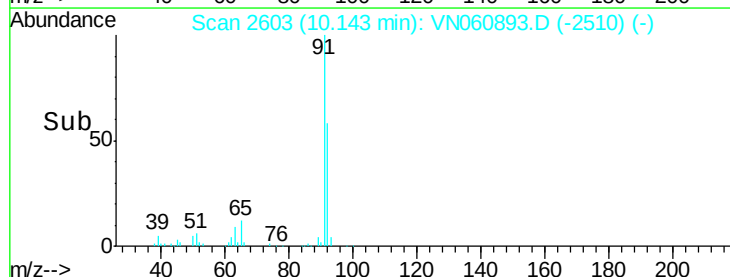
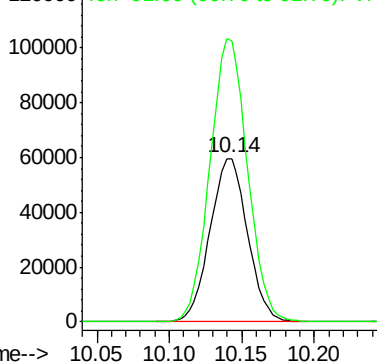
92 100

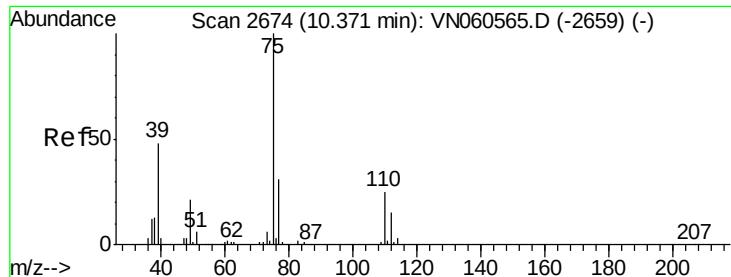
91 173.7 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





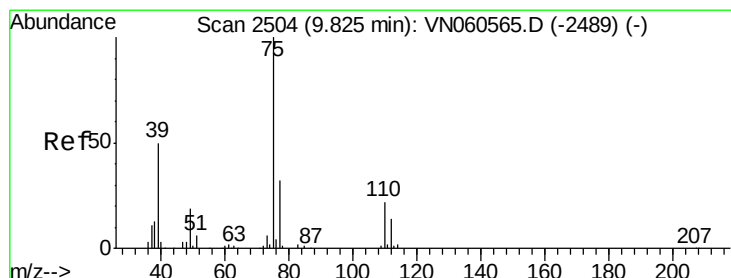
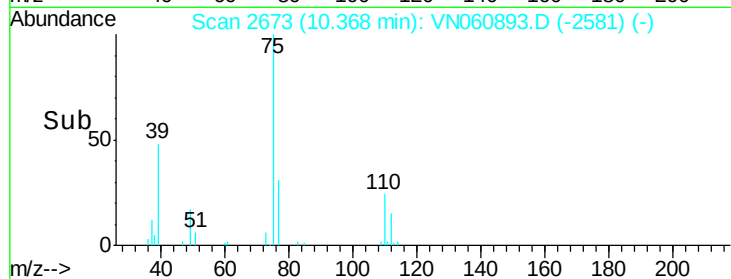
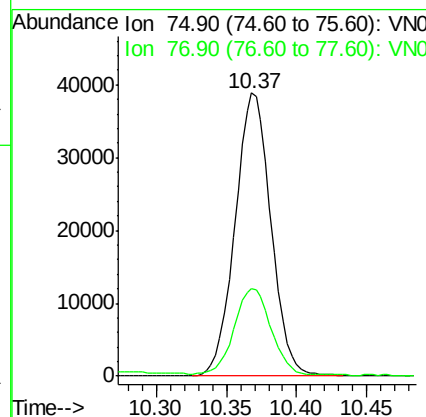
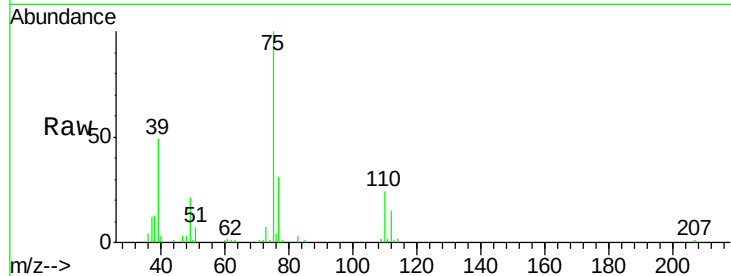
#53
t-1,3-Dichloropropene
Concen: 20.506 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0408WBS01

Tot Ion: 75 Resp: 69145
Ion Ratio Lower Upper
75 100
77 30.5 25.1 37.7

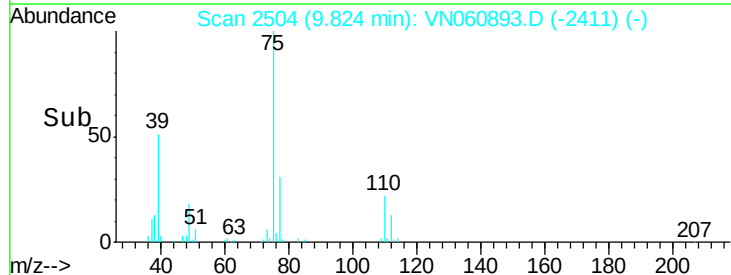
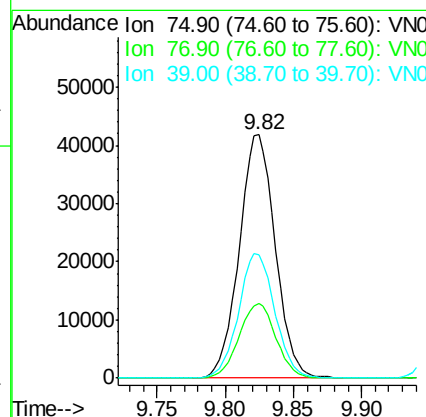
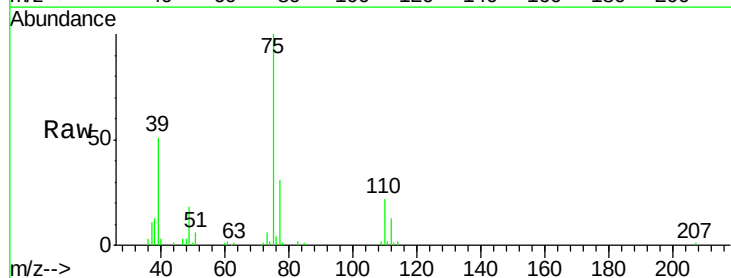
Manual Integrations
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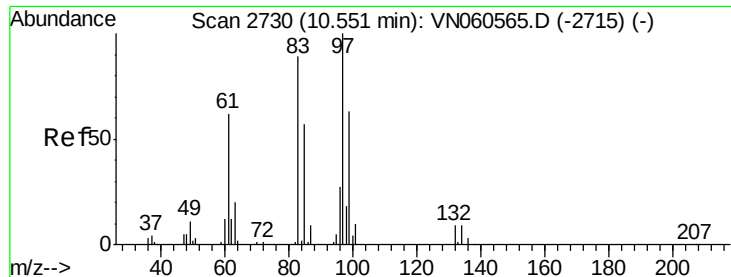
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#54
cis-1,3-Dichloropropene
Concen: 20.744 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 75 Resp: 76737
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0
39 50.6 40.2 60.4





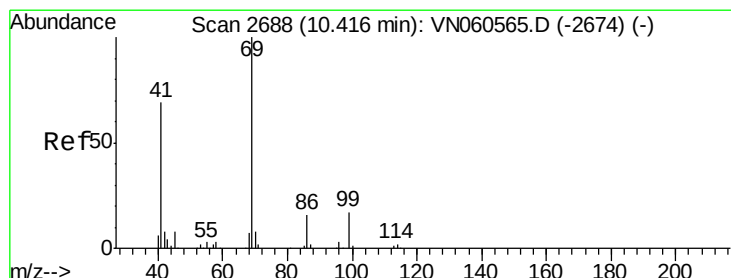
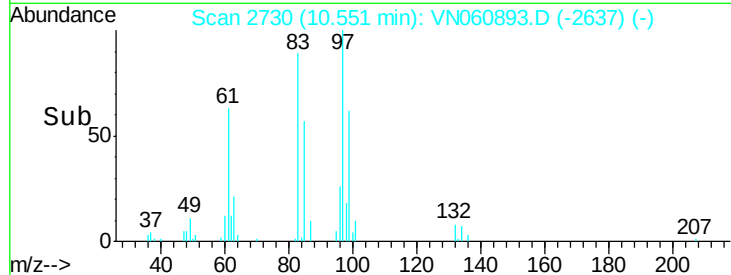
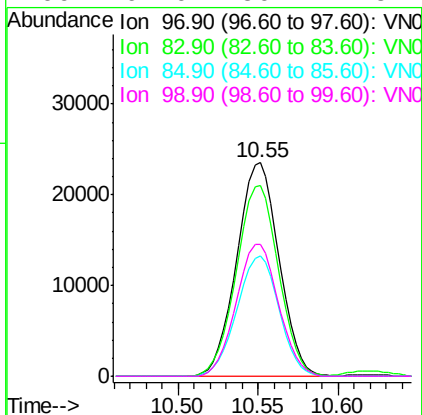
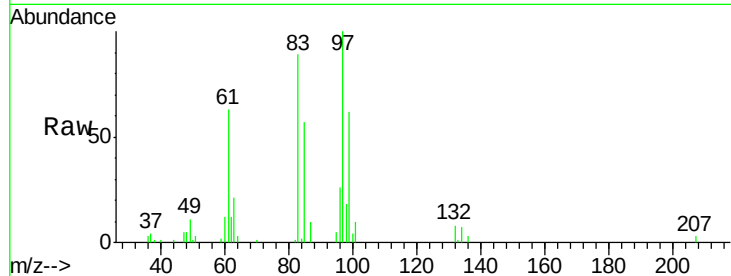
#55
 1,1,2-Trichloroethane
 Concen: 20.623 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0408WBS01

Tot Ion:	97	Resp:	42433
Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.3	106.9
85	56.5	45.2	67.8
99	62.0	50.1	75.1

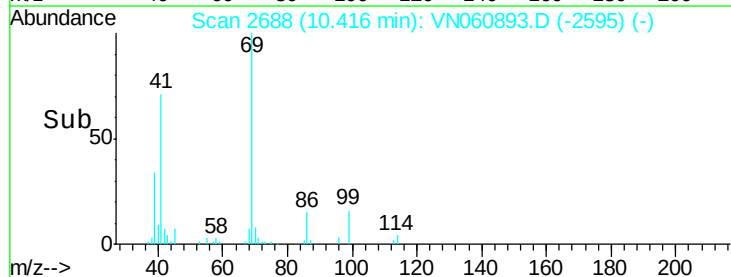
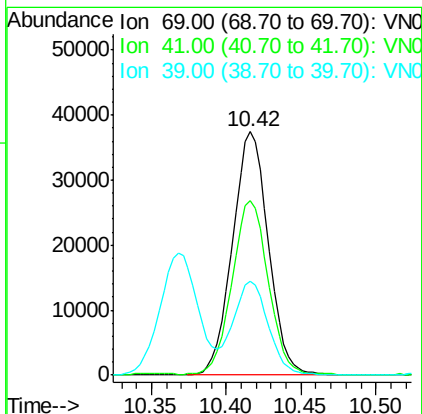
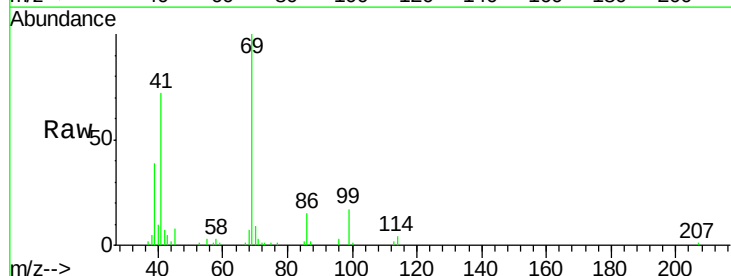
Manual Integrations
 APPROVED

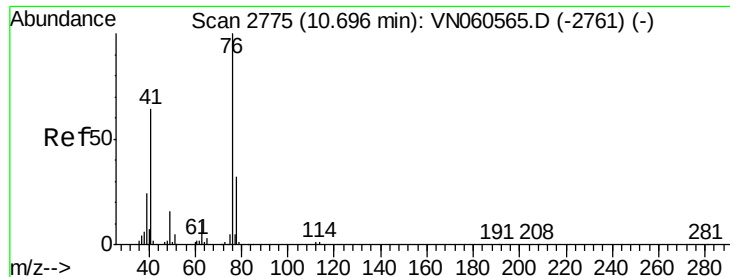
apatel
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#56
 Ethyl methacrylate
 Concen: 19.498 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion:	69	Resp:	62553
Ion	Ratio	Lower	Upper
69	100		
41	72.7	55.4	83.2
39	38.2	29.4	44.0





#57

1,3-Dichloropropane

Concen: 20.474 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBS01

Tot Ion: 76 Resp: 73099

Ion Ratio Lower Upper

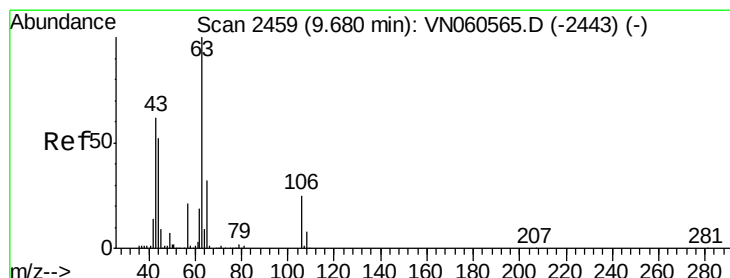
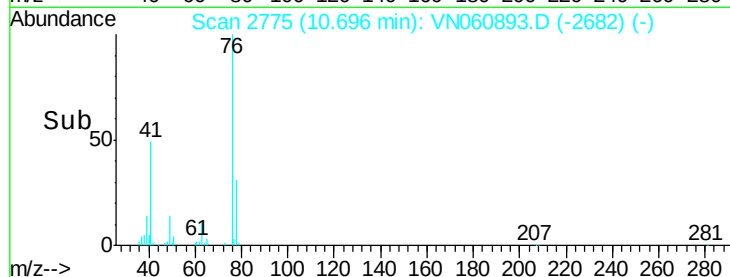
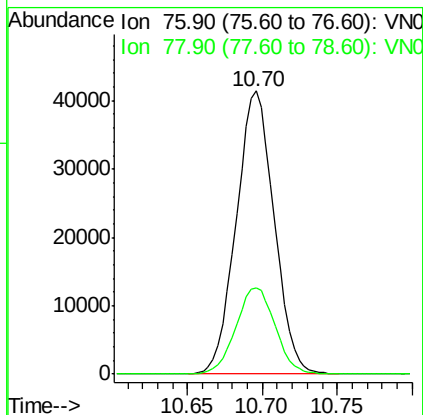
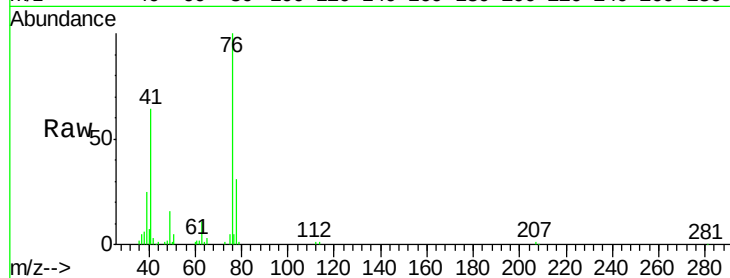
76 100

78 31.5 25.8 38.6

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 84.619 ug/l

RT: 9.68 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN060893.D

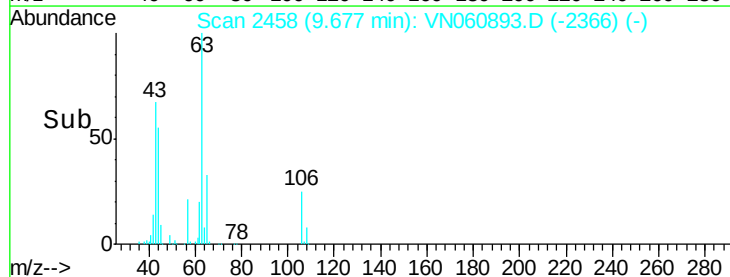
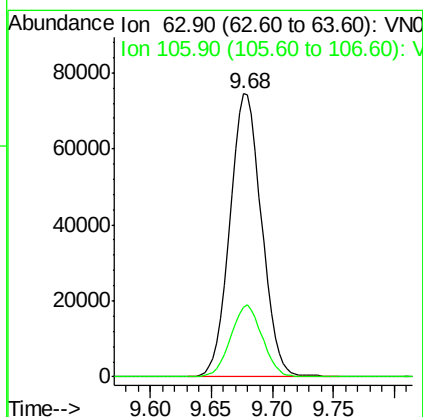
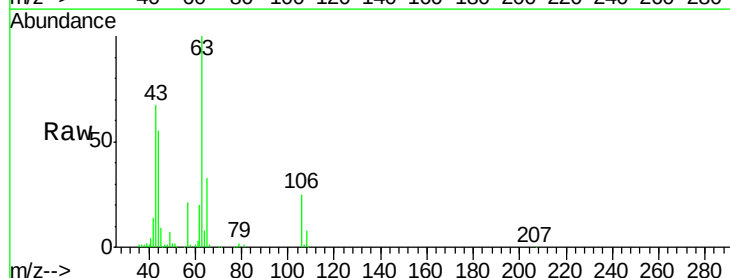
Acq: 8 Apr 2020 12:05

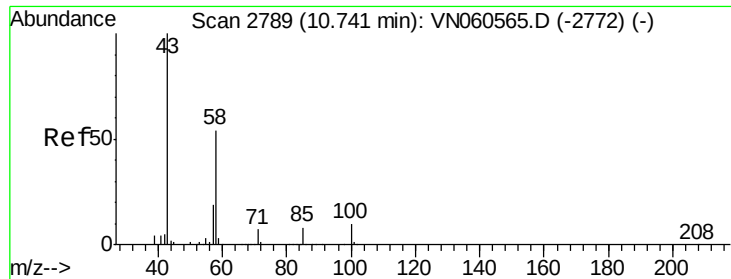
Tgt Ion: 63 Resp: 134924

Ion Ratio Lower Upper

63 100

106 25.2 20.0 30.0





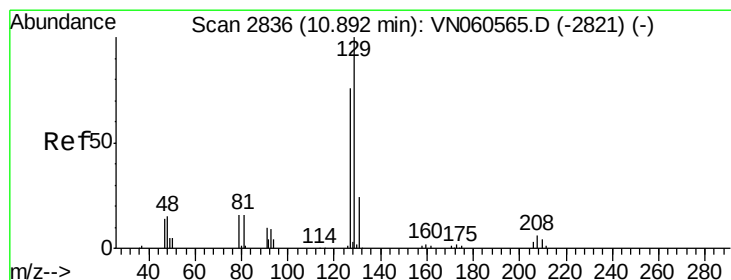
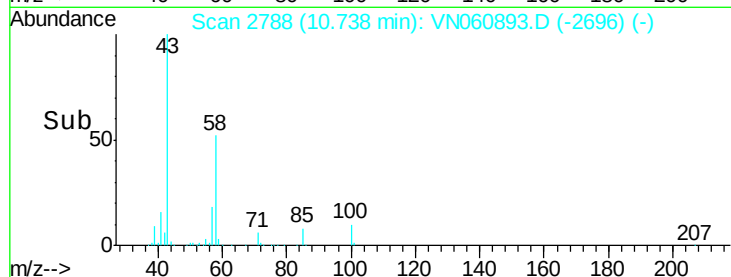
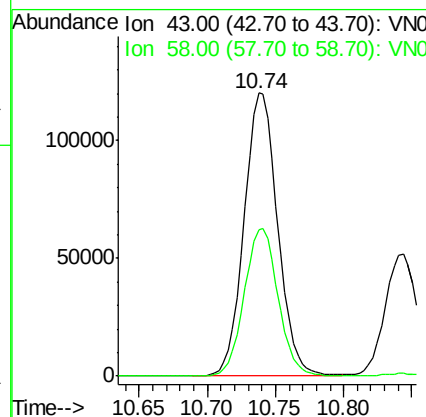
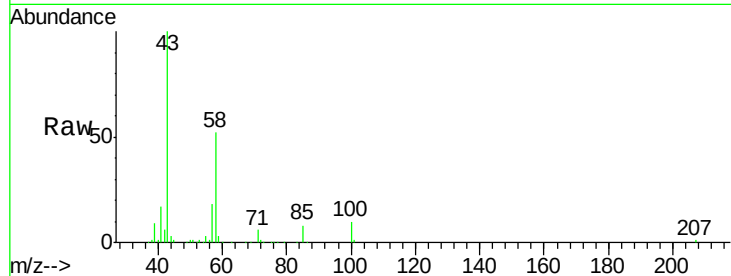
#59
2-Hexanone
Concen: 95.962 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0408WBS01

Tot Ion: 43 Resp: 205629
Ion Ratio Lower Upper
43 100
58 52.6 26.7 80.1

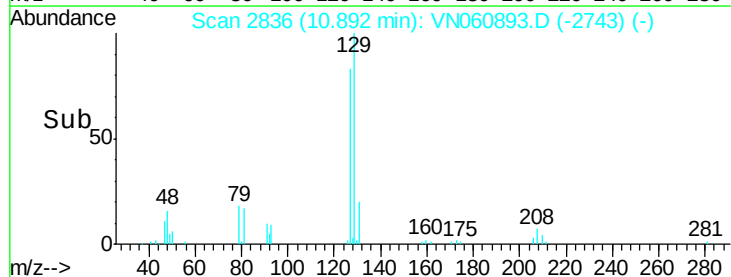
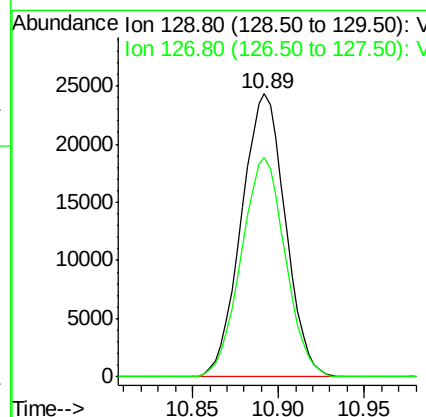
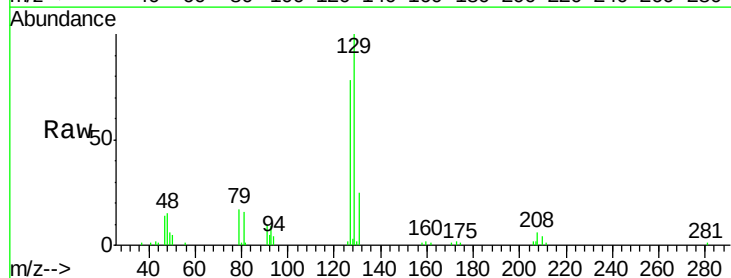
Manual Integrations
APPROVED

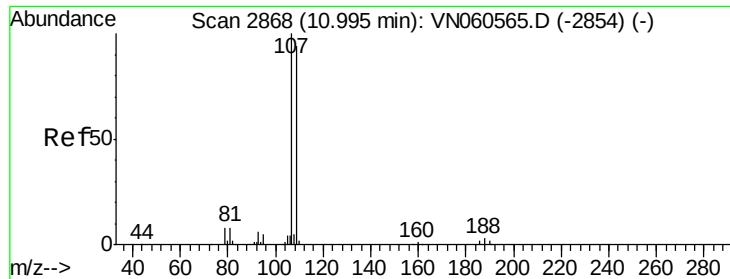
apatel
4/9/2020 12:29:34 PM



#60
Dibromochloromethane
Concen: 20.341 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion: 129 Resp: 43231
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.5





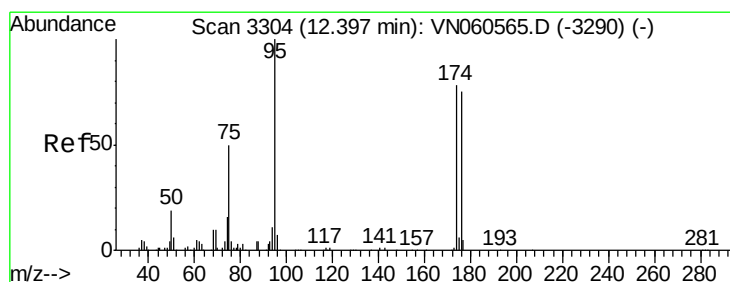
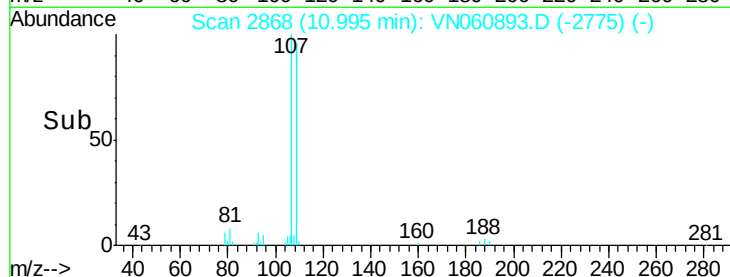
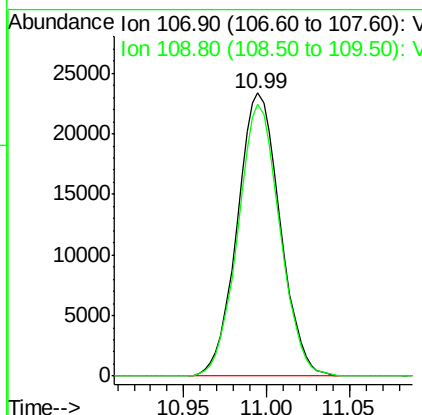
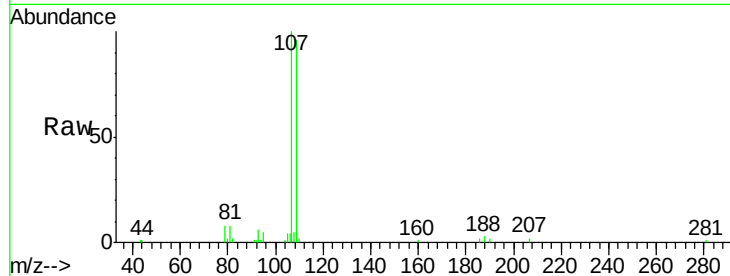
#61
 1,2-Dibromoethane
 Concen: 20.205 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0408WBS01

Tot Ion:107 Resp: 41803
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.4 113.2

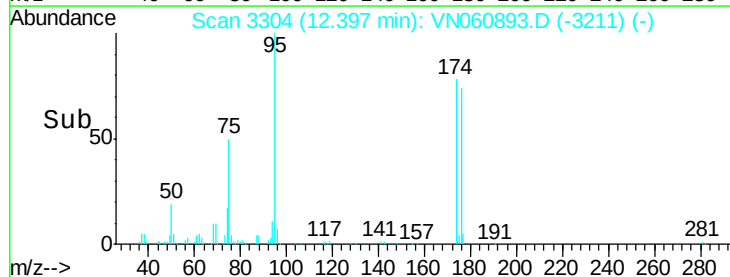
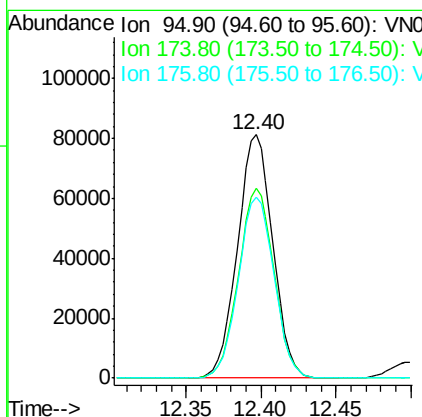
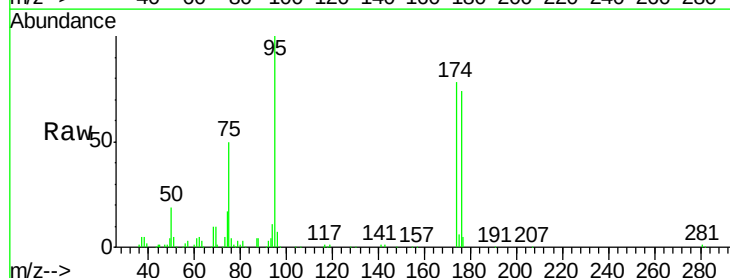
Manual Integrations
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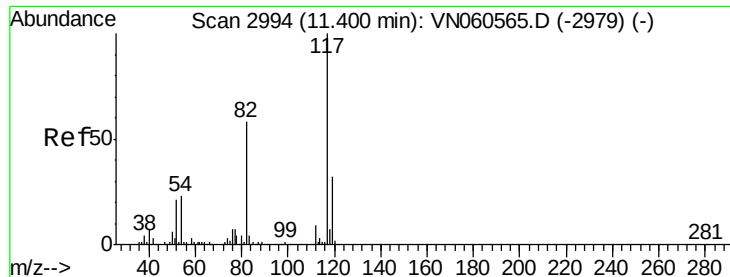
apatel
 4/9/2020 12:29:34 PM



#62
 4-Bromofluorobenzene
 Concen: 48.560 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion: 95 Resp: 133160
 Ion Ratio Lower Upper
 95 100
 174 78.3 0.0 157.6
 176 75.6 0.0 150.6





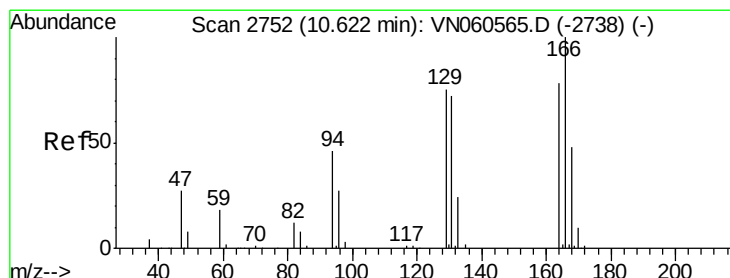
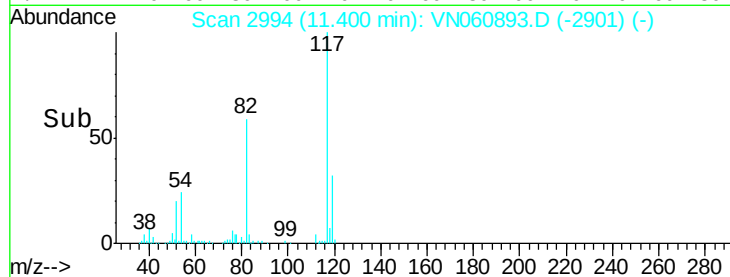
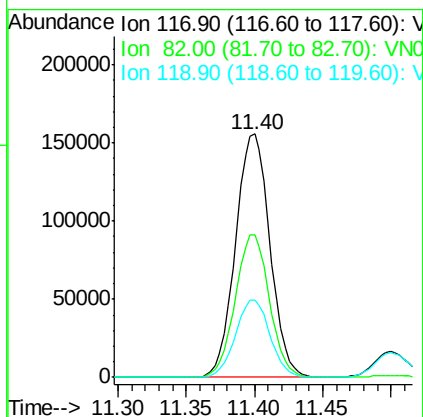
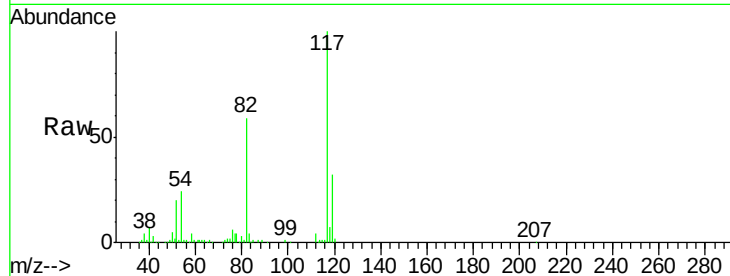
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0408WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.7	70.1
119	31.9	25.5	38.3

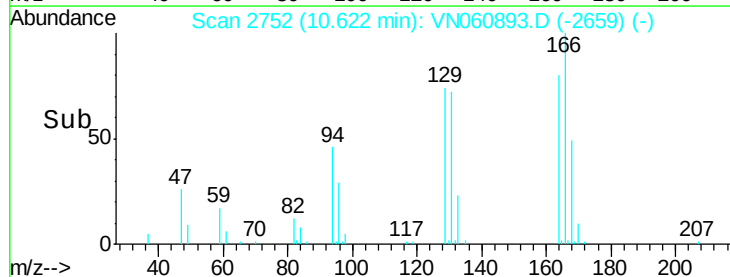
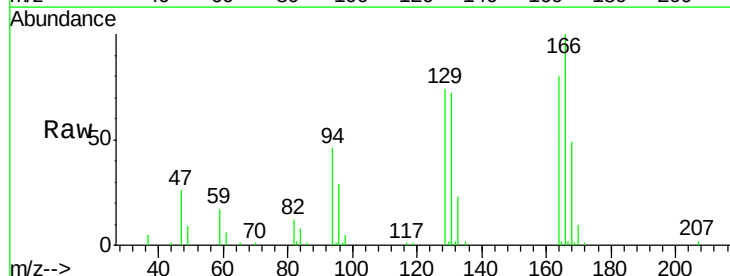
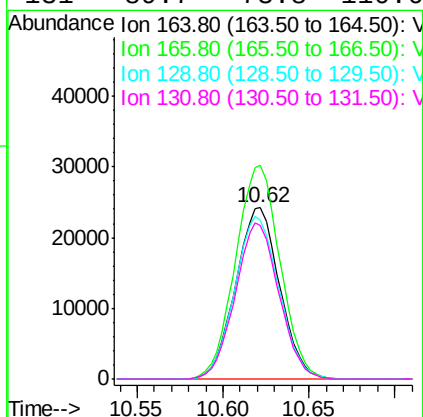
Manual Integrations
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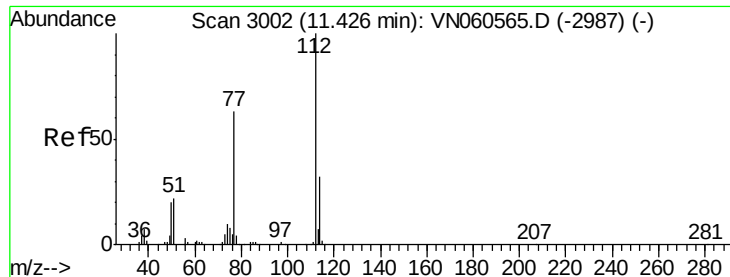
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#64
Tetrachloroethene
Concen: 20.005 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	102.7	154.1
129	92.4	77.2	115.8
131	89.7	73.8	110.6





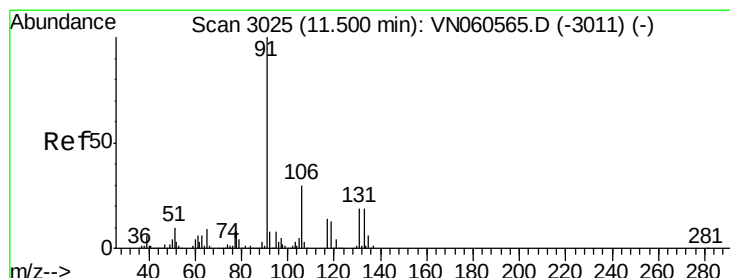
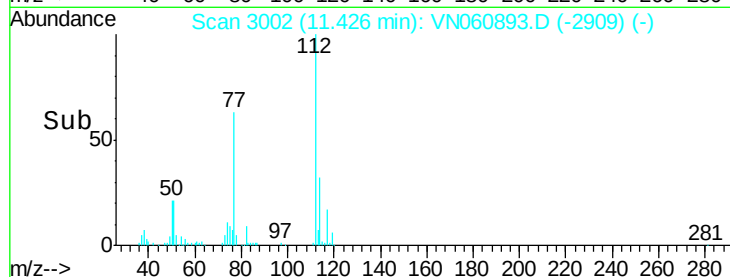
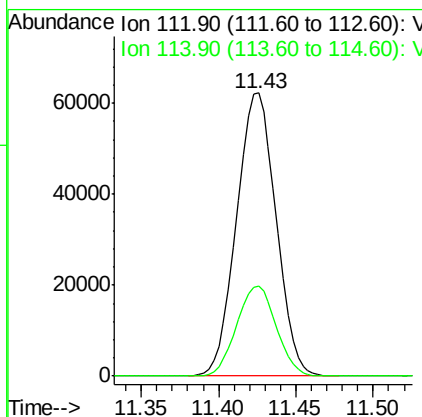
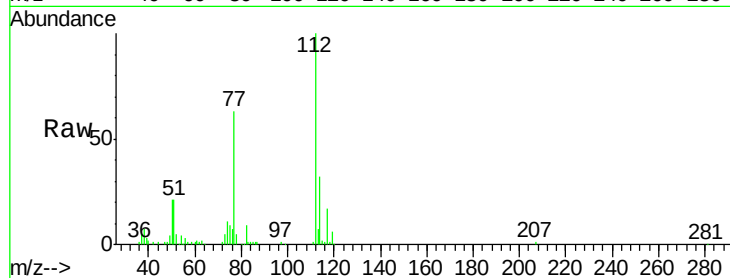
#65
Chlorobenzene
Concen: 20.454 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0408WBS01

Tot Ion:112 Resp: 110633
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.6

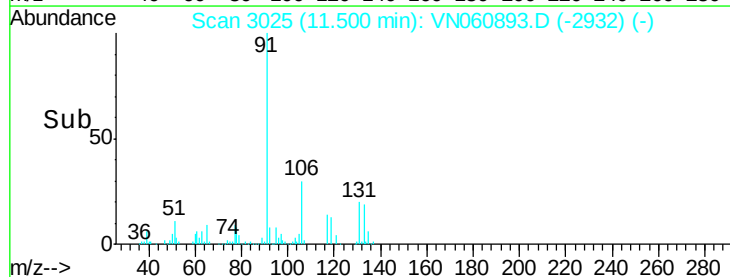
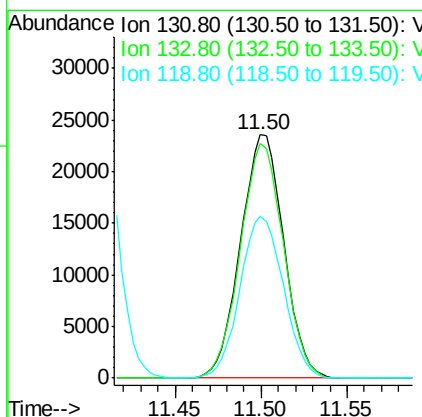
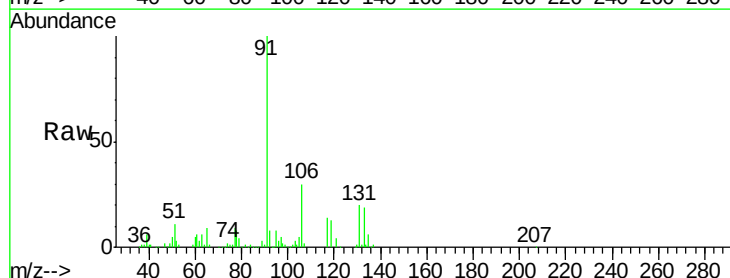
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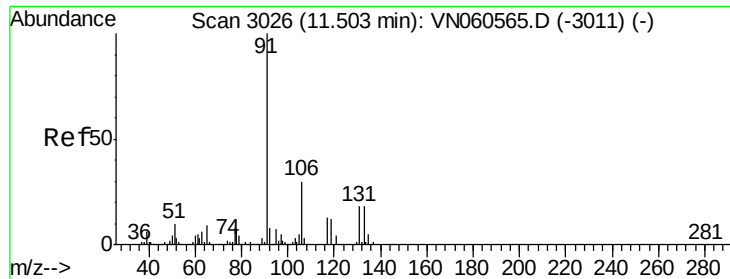
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.970 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion:131 Resp: 41066
Ion Ratio Lower Upper
131 100
133 96.2 48.9 146.8
119 66.7 33.9 101.7





#67

Ethyl Benzene

Concen: 20.550 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0408WBS01

Tot Ion: 91 Resp: 206700

Ion Ratio Lower Upper

91 100

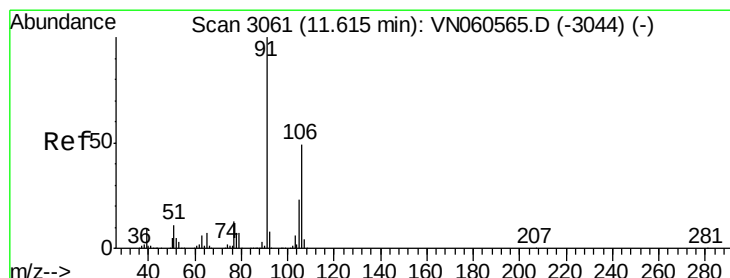
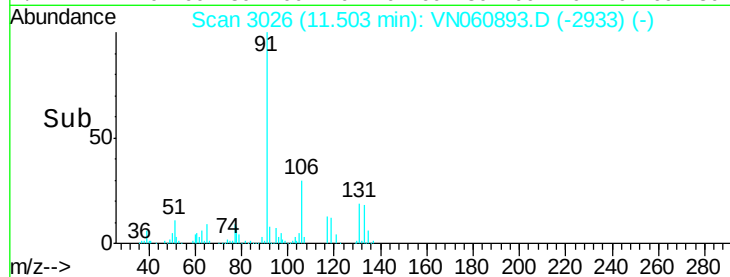
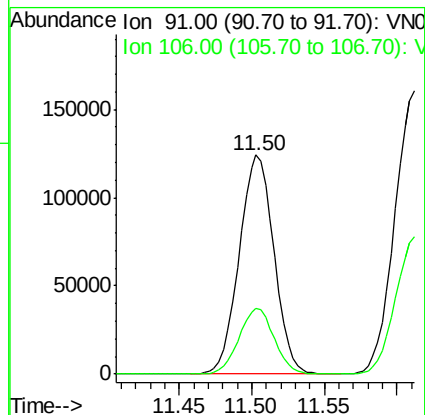
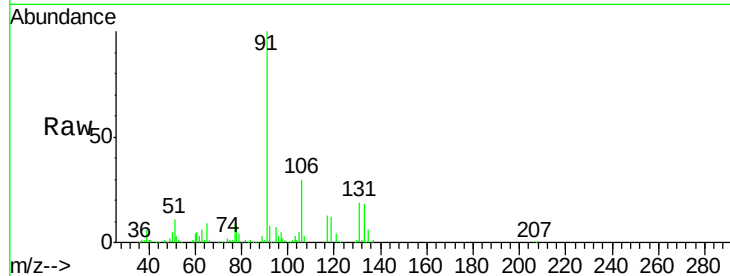
106 30.1 24.2 36.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.274 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060893.D

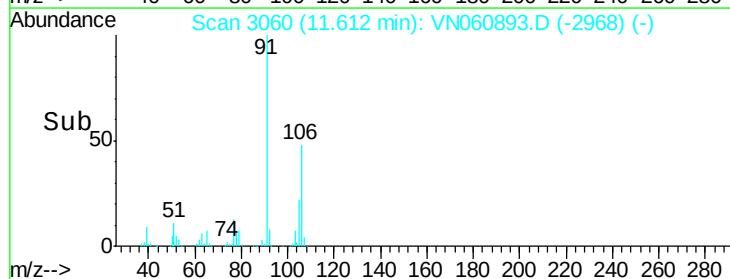
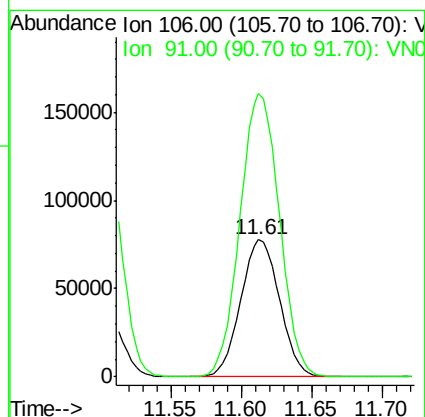
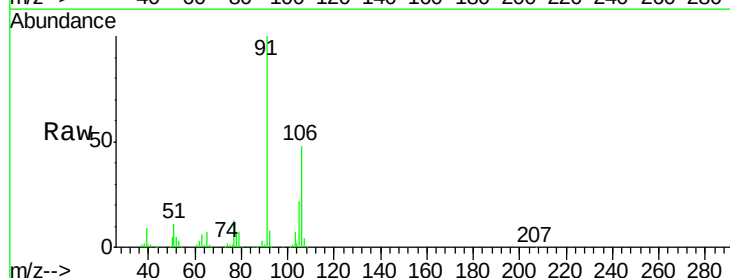
Acq: 8 Apr 2020 12:05

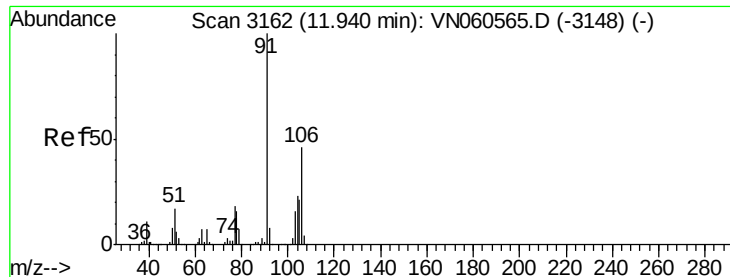
Tgt Ion: 106 Resp: 150538

Ion Ratio Lower Upper

106 100

91 209.2 165.0 247.4





#69

o-Xylene

Concen: 20.585 ug/l

RT: 11.94 min Scan# 3162

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0408WBS01

Tot Ion:106 Resp: 73450

Ion Ratio Lower Upper

106 100

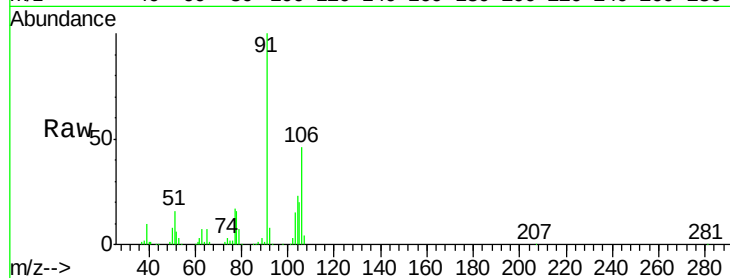
91 218.7 109.5 328.4

Manual Integrations

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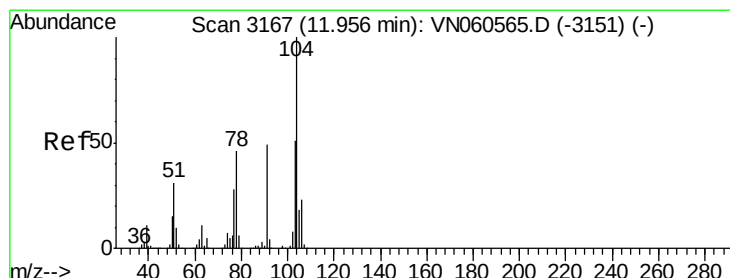
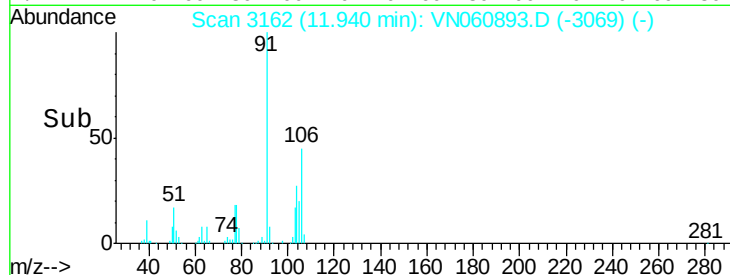
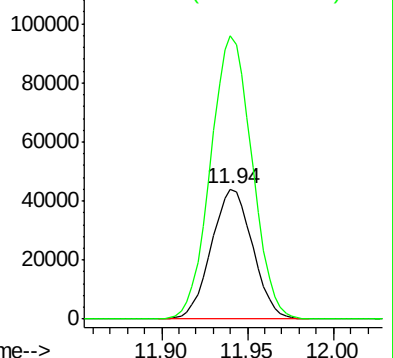
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 19.779 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

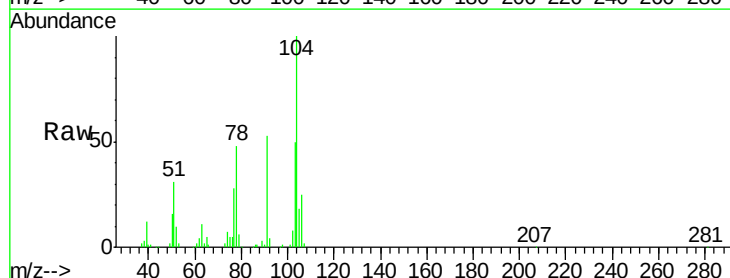
Tgt Ion:104 Resp: 115423

Ion Ratio Lower Upper

104 100

78 52.2 41.2 61.8

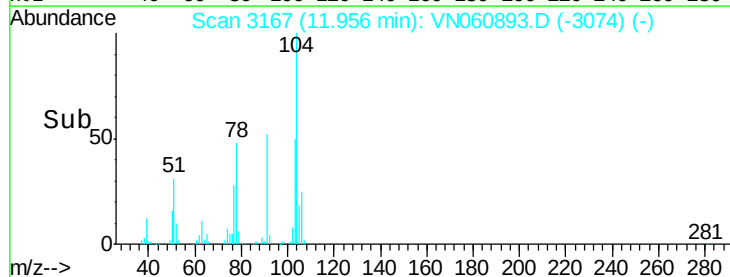
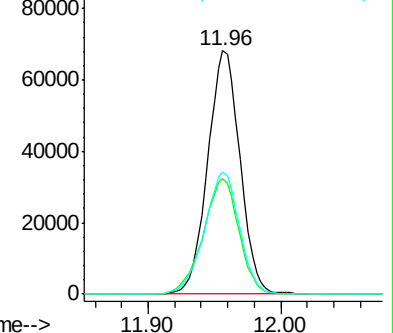
103 54.1 44.0 66.0

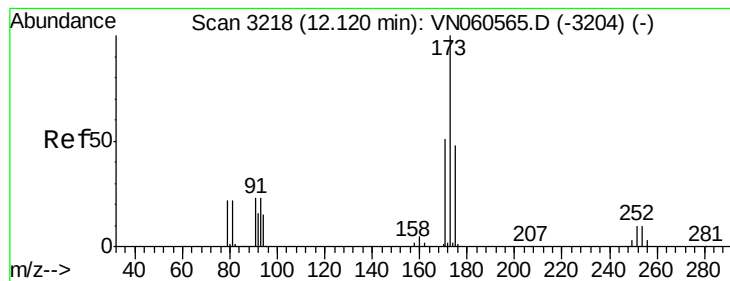


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 19.099 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0408WBS01

Tot Ion:173 Resp: 29338

Ion Ratio Lower Upper

173 100

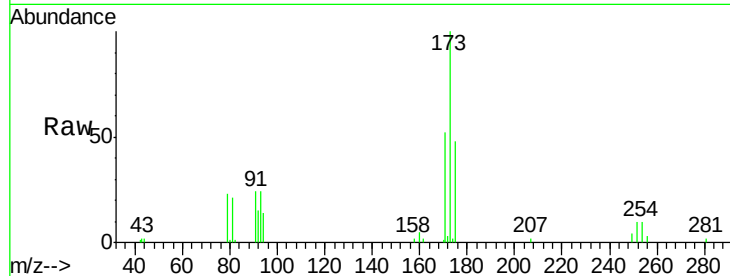
175 49.3 24.1 72.4

254 0.0 0.0 0.0

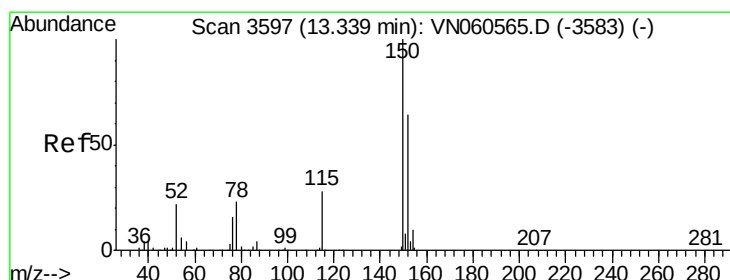
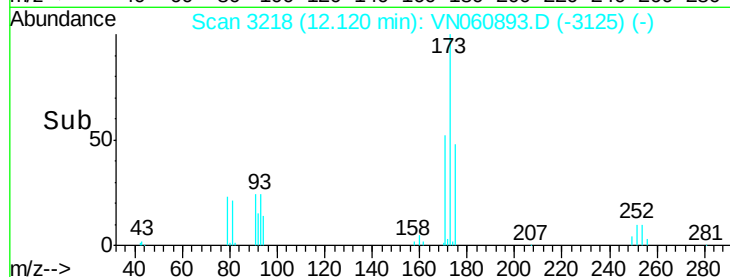
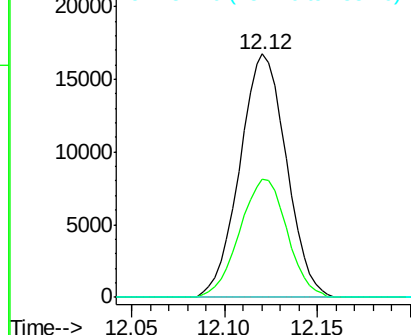
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

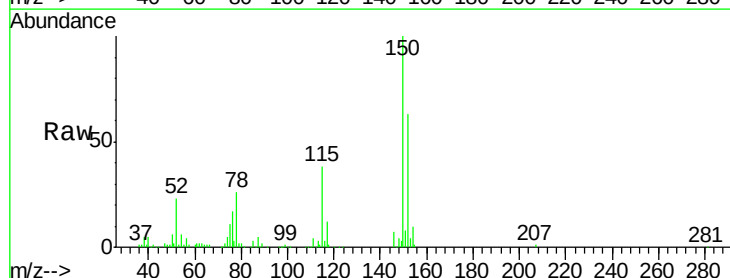
Tgt Ion:152 Resp: 128072

Ion Ratio Lower Upper

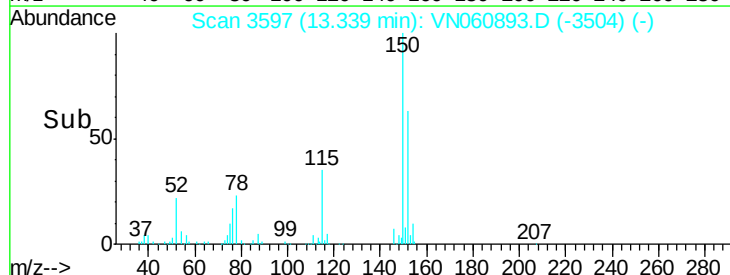
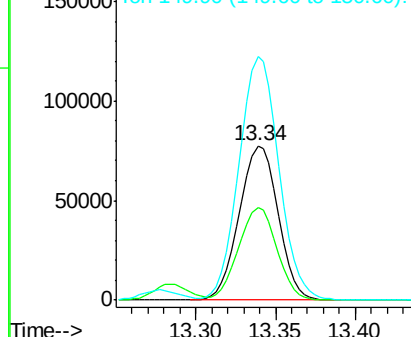
152 100

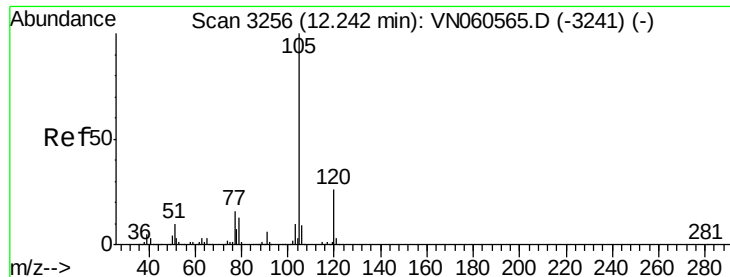
115 59.4 30.2 90.6

150 162.6 0.0 350.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.511 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0408WBS01

Tot Ion: 105 Resp: 197134

Ion Ratio Lower Upper

105 100

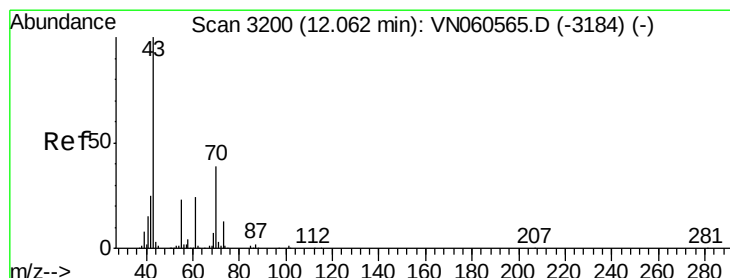
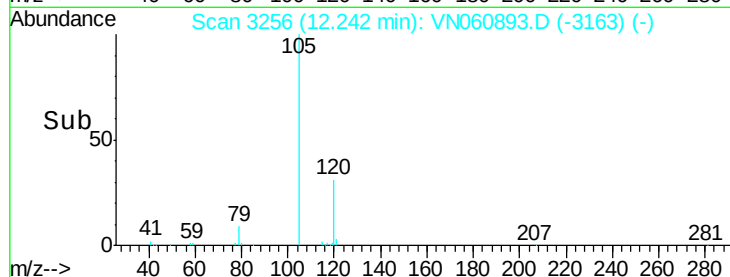
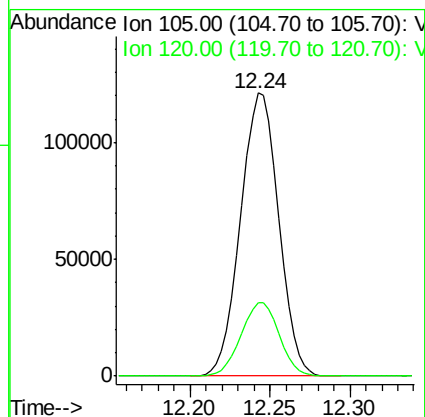
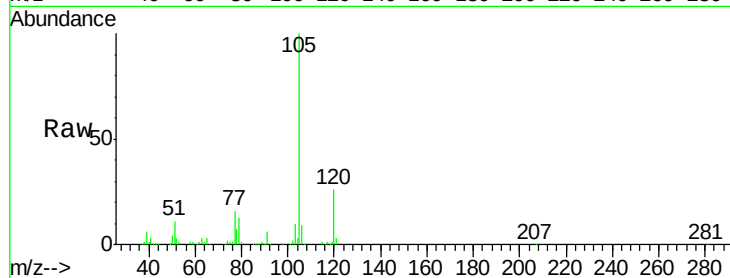
120 26.0 13.1 39.1

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#74

N-ethyl acetate

Concen: 18.779 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Tgt Ion: 43 Resp: 83401

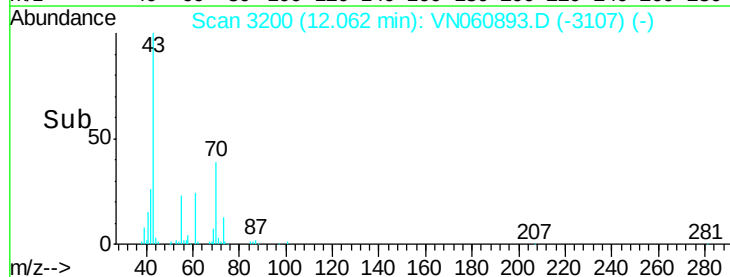
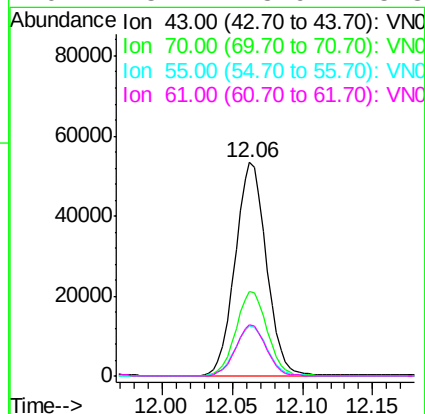
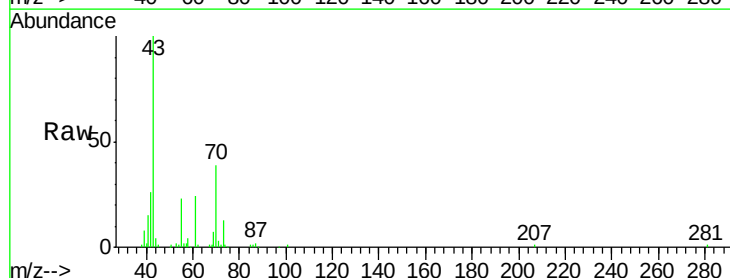
Ion Ratio Lower Upper

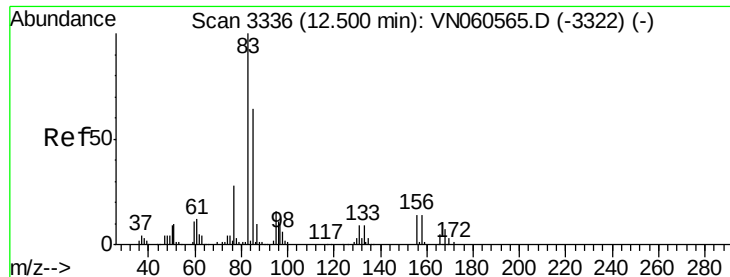
43 100

70 39.4 31.1 46.7

55 23.7 18.6 27.8

61 23.1 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 20.132 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

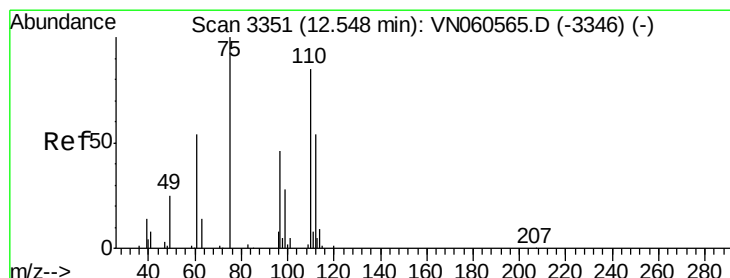
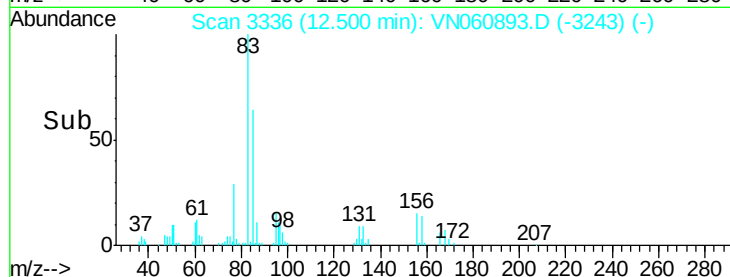
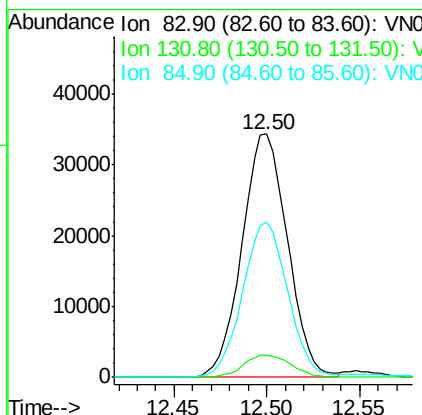
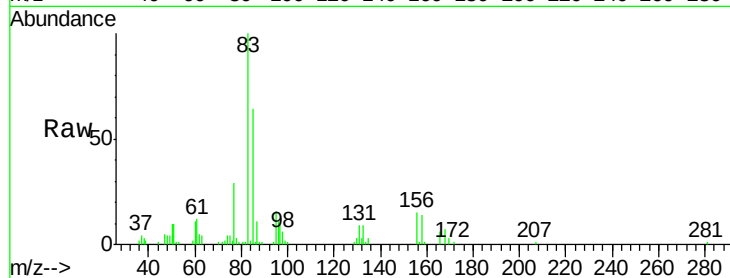
ClientSampled :

VN0408WBS01

Tot Ion:	83	Resp:	58513
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.7
85	63.1	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 19.048 ug/l m

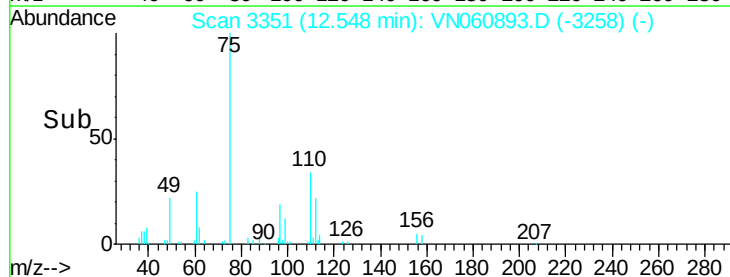
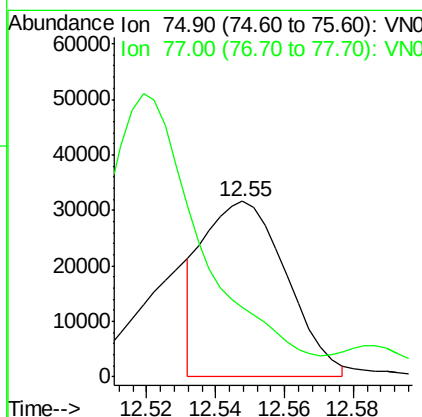
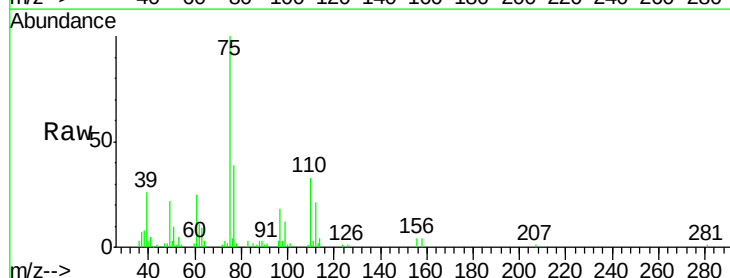
RT: 12.55 min Scan# 3351

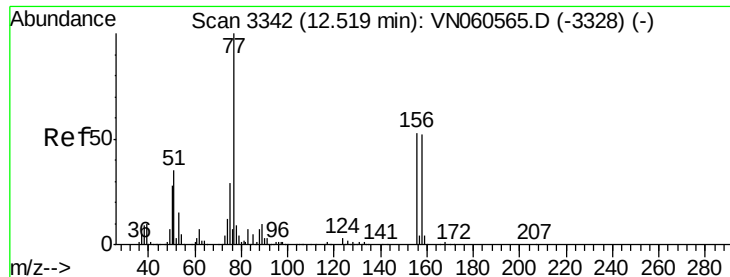
Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Tgt Ion:	75	Resp:	52639
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.649 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampled :

VN0408WBS01

Tot Ion:156 Resp: 45507

Ion Ratio Lower Upper

156 100

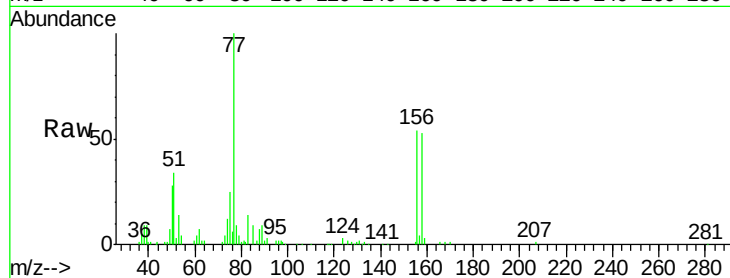
77 226.8 112.3 337.0

158 99.9 48.6 145.8

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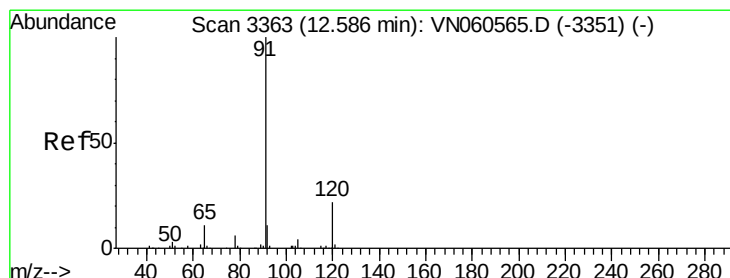
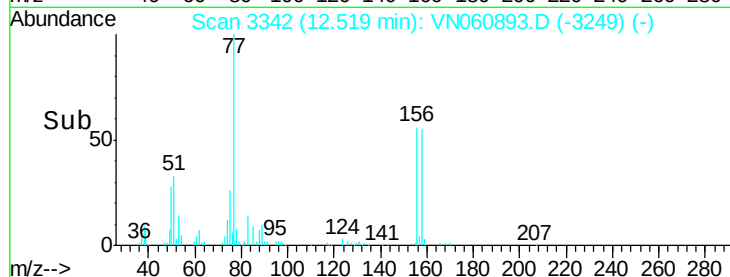
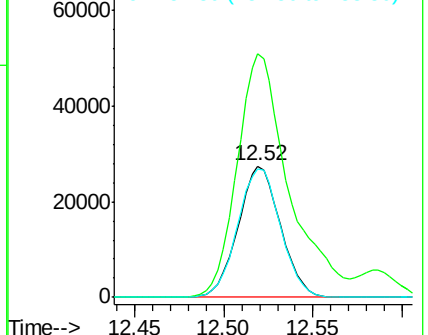
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.505 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060893.D

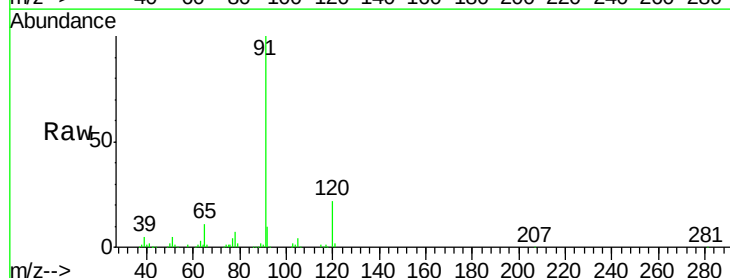
Acq: 8 Apr 2020 12:05

Tgt Ion: 91 Resp: 232839

Ion Ratio Lower Upper

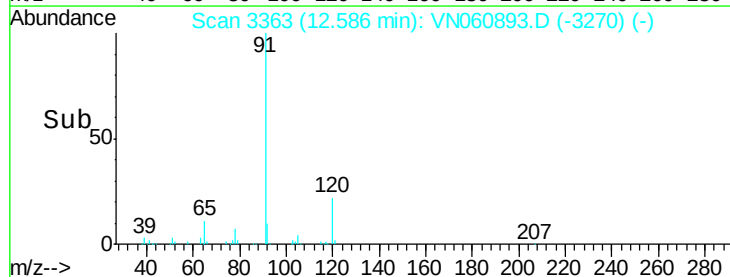
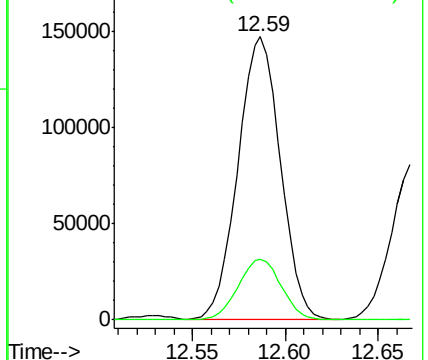
91 100

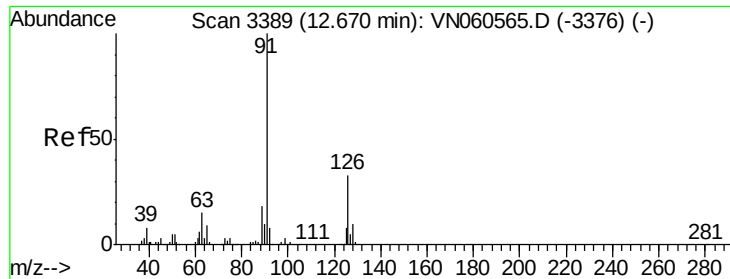
120 21.8 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.074 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

ClientSampleId :

VN0408WBS01

Tot Ion: 91 Resp: 136199

Ion Ratio Lower Upper

91 100

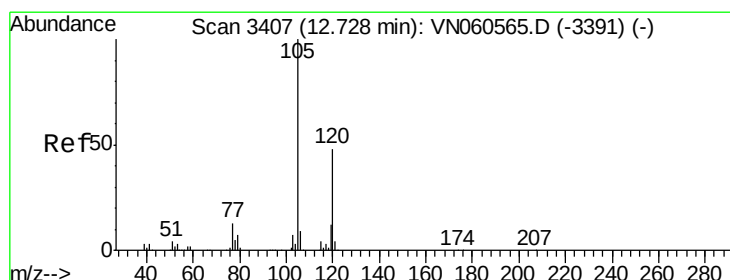
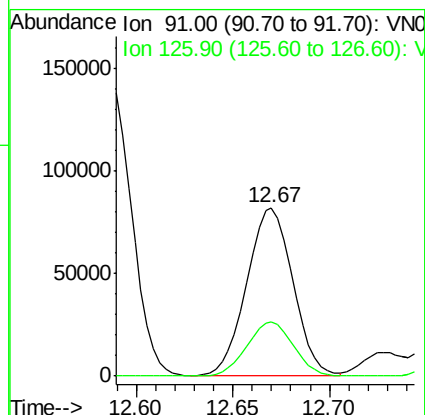
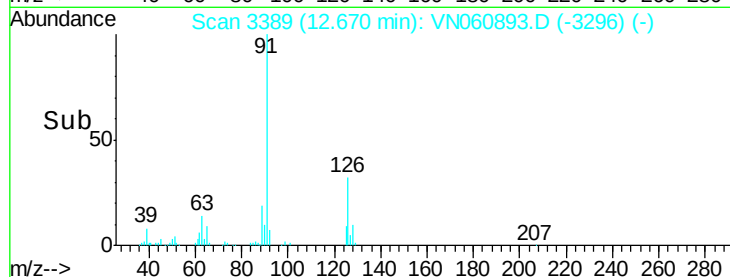
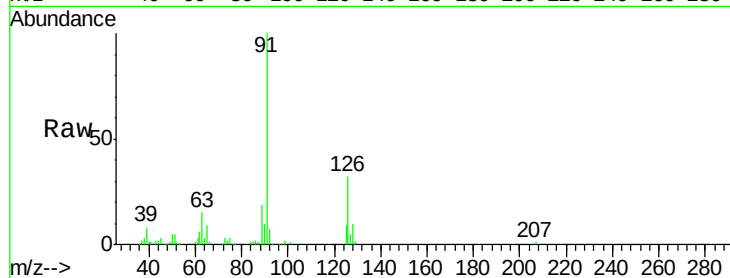
126 32.5 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 20.299 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060893.D

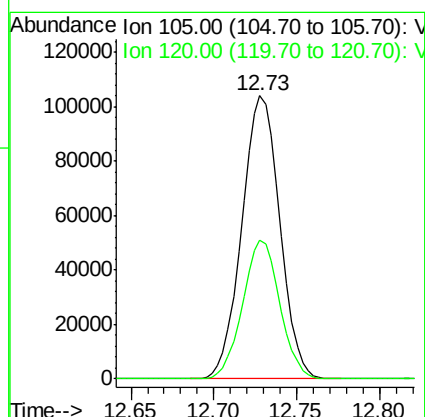
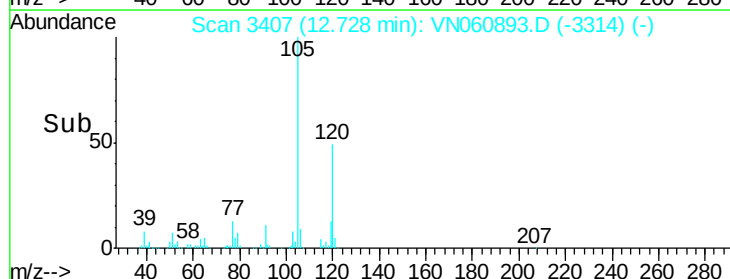
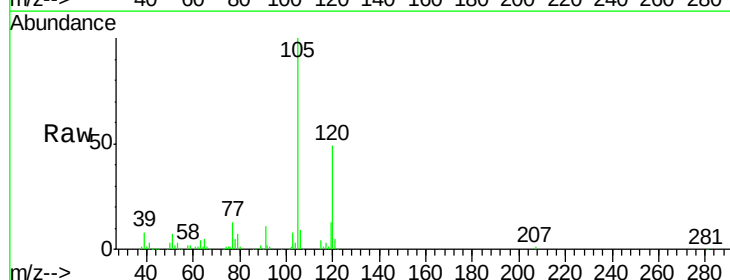
Acq: 8 Apr 2020 12:05

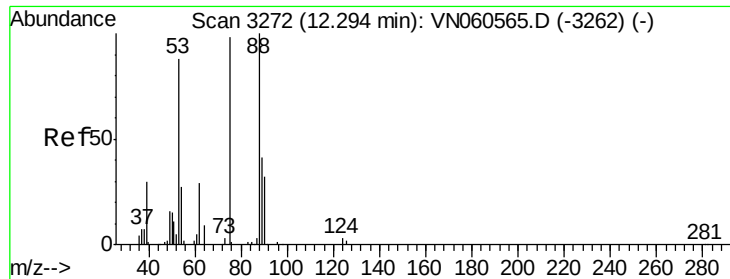
Tgt Ion: 105 Resp: 165569

Ion Ratio Lower Upper

105 100

120 47.7 23.9 71.7





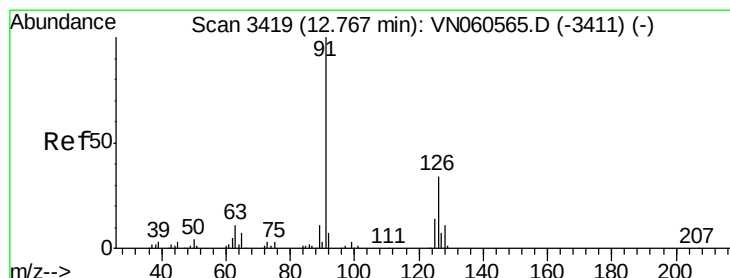
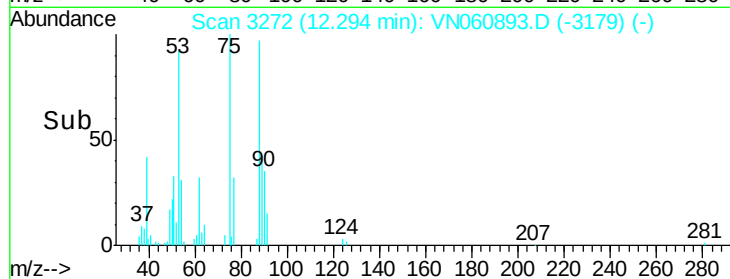
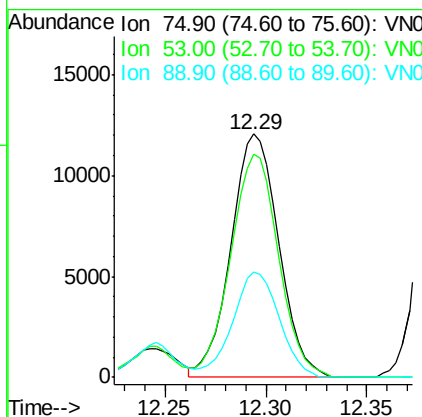
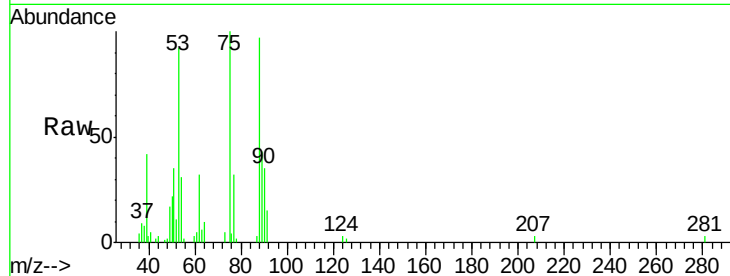
#81
trans-1,4-Dichloro-2-butene
Concen: 18.647 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampleId :
VN0408WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.0	73.0	109.4
89	42.3	34.8	52.2

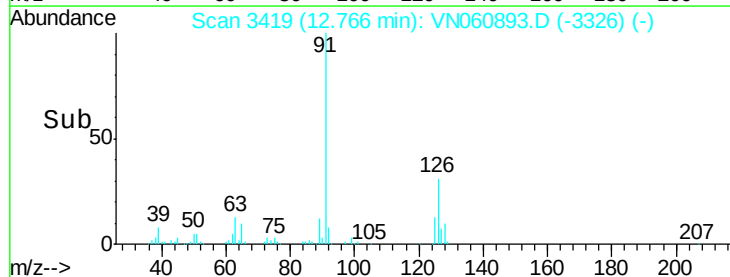
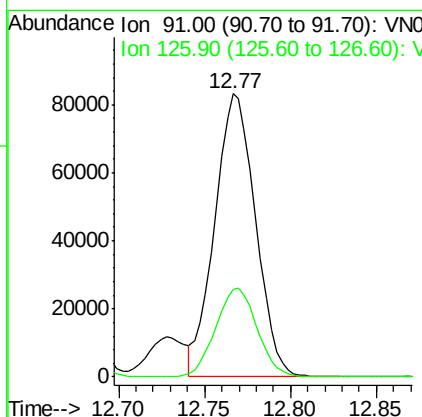
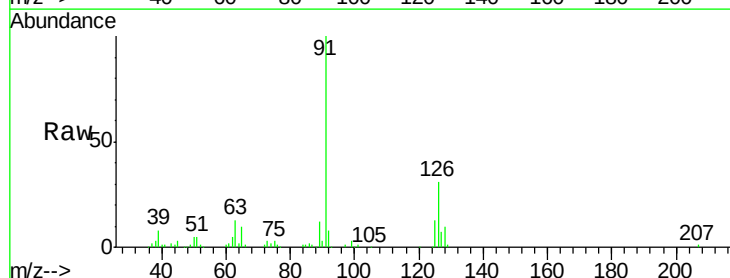
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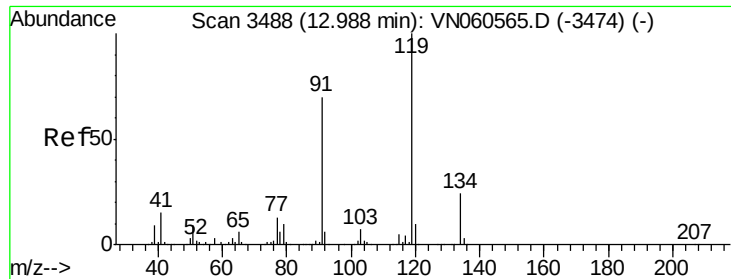
apatel
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#82
4-Chlorotoluene
Concen: 19.847 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.2	48.5





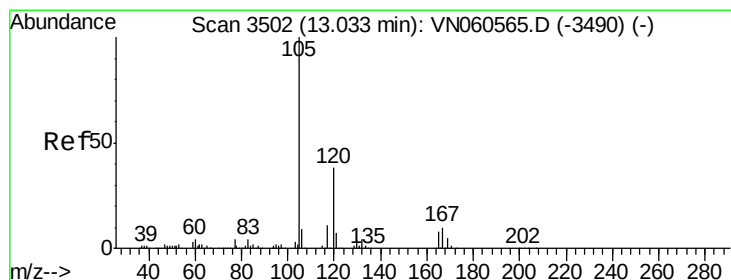
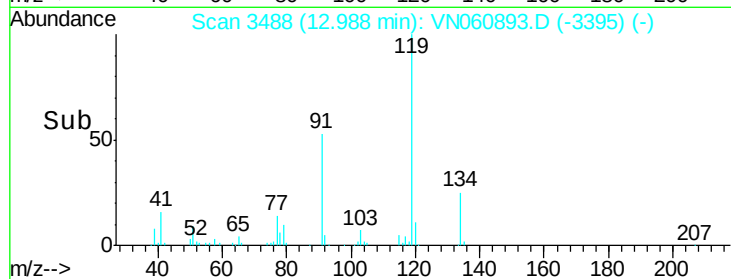
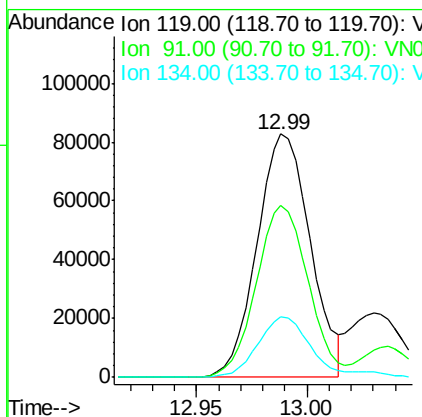
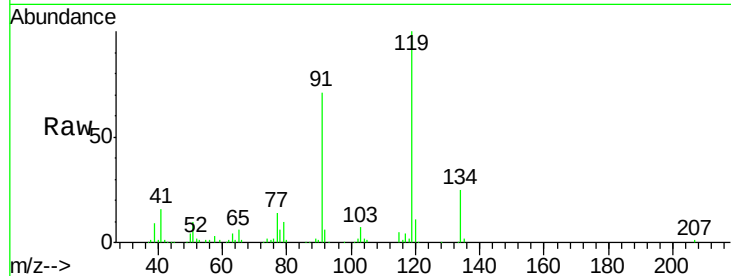
#83
 tert-Butylbenzene
 Concen: 20.460 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0408WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	34.0	101.8
134	25.5	12.7	38.0

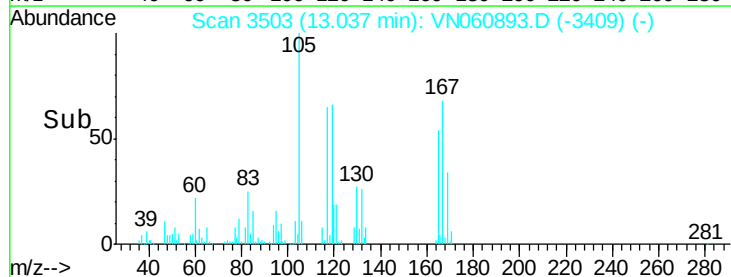
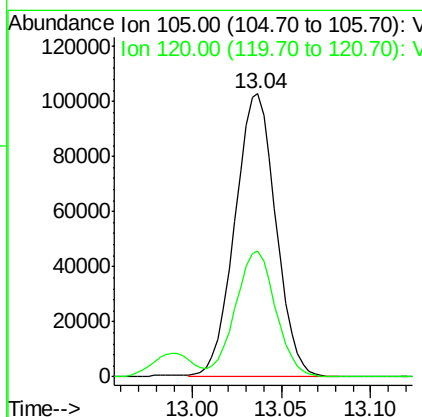
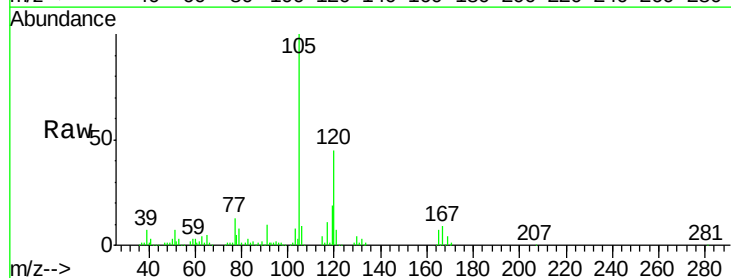
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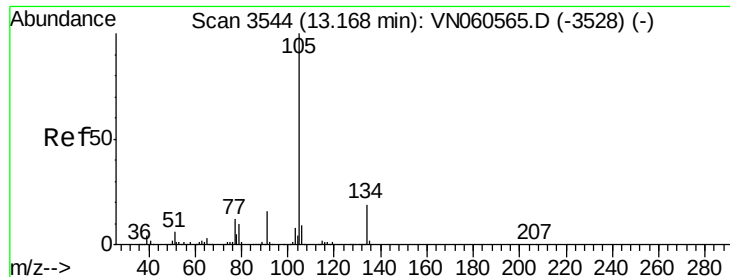
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.401 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	22.1	66.5





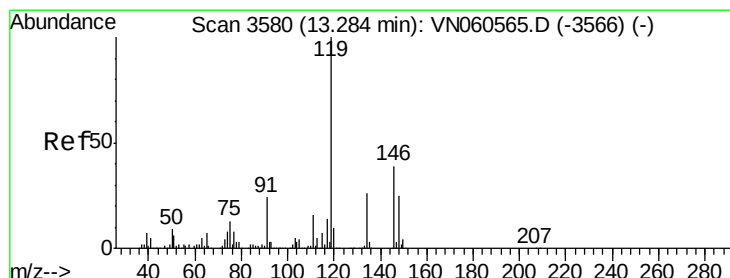
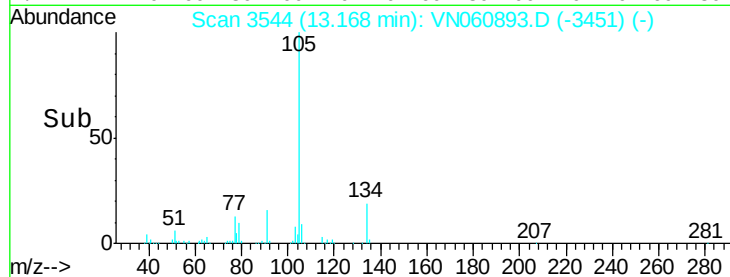
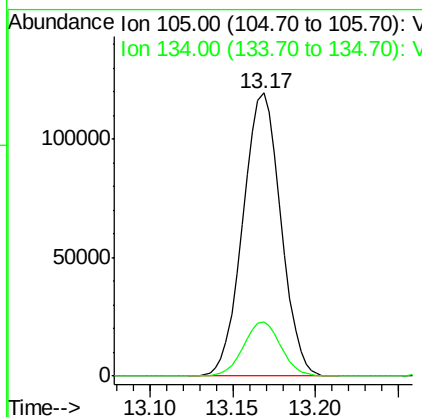
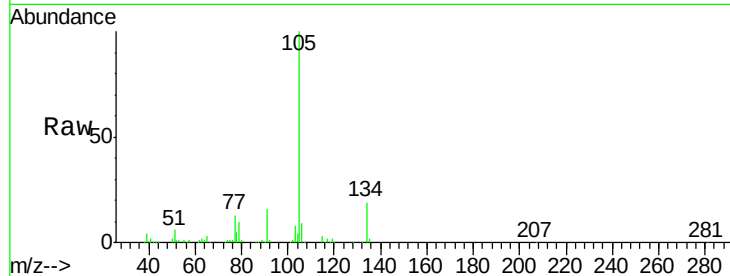
#85
 sec-Butylbenzene
 Concen: 20.914 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0408WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.9	9.6	28.8

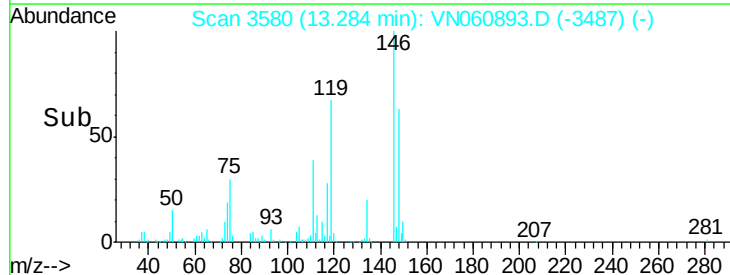
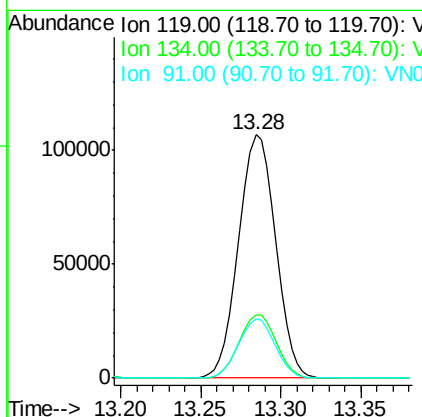
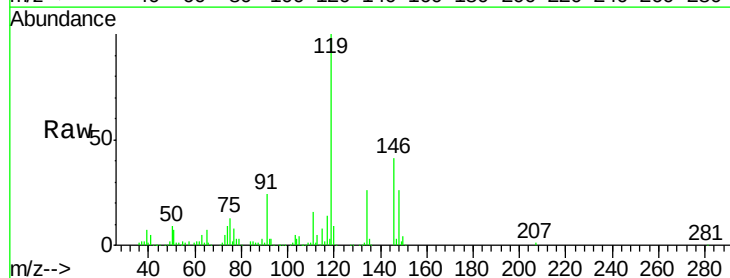
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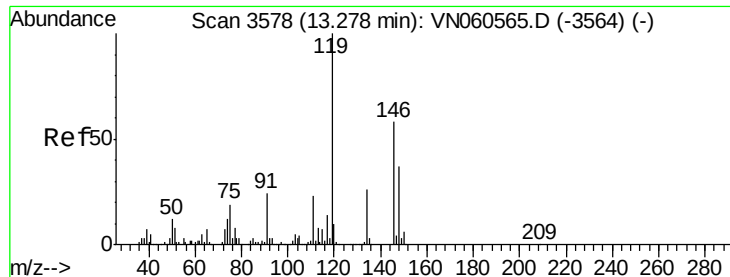
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#86
 p-Isopropyltoluene
 Concen: 20.642 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.0	39.0
91	23.9	12.0	36.0





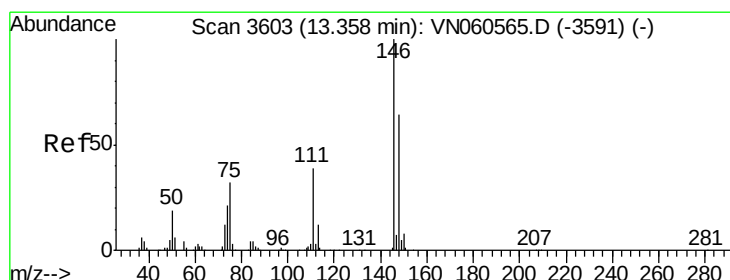
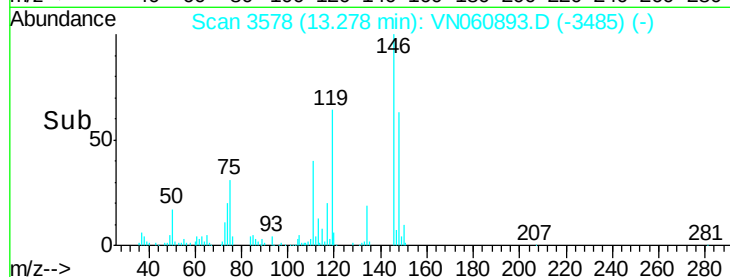
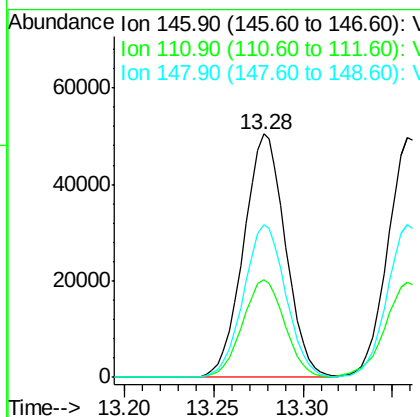
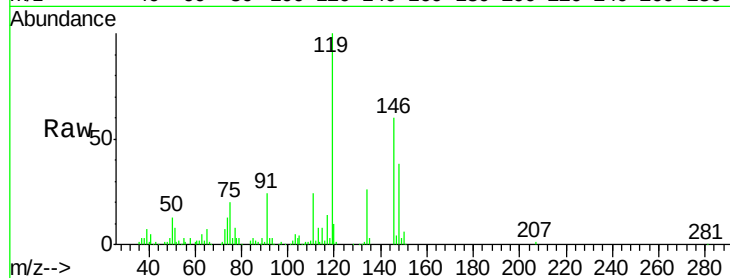
#87
 1,3-Dichlorobenzene
 Concen: 20.288 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0408WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.3	60.8
148	63.1	32.5	97.4

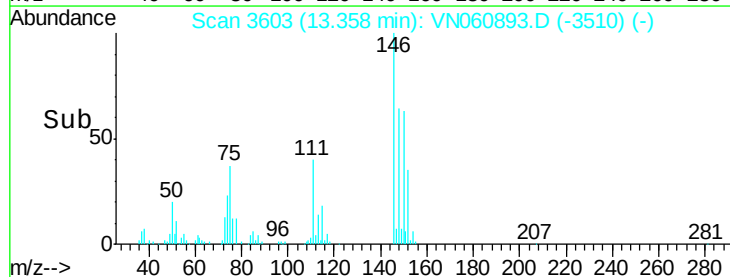
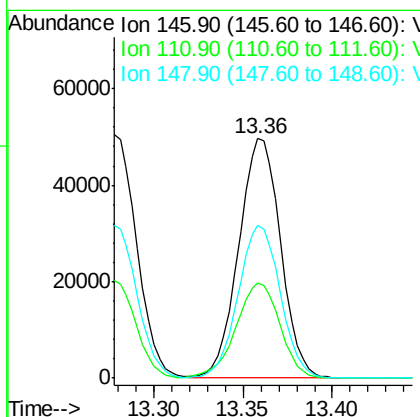
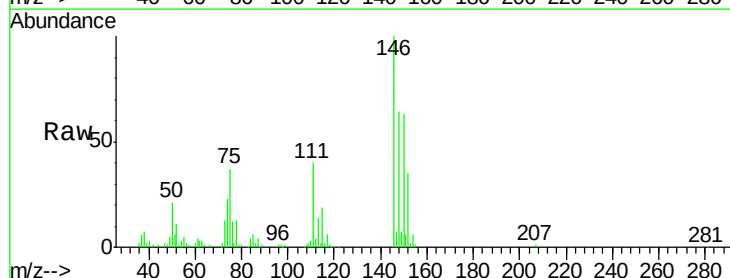
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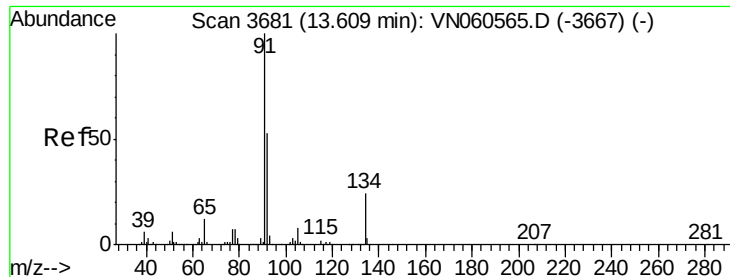
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 19.805 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.6	58.7
148	64.1	32.1	96.3





#89

n-Butylbenzene

Concen: 20.839 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

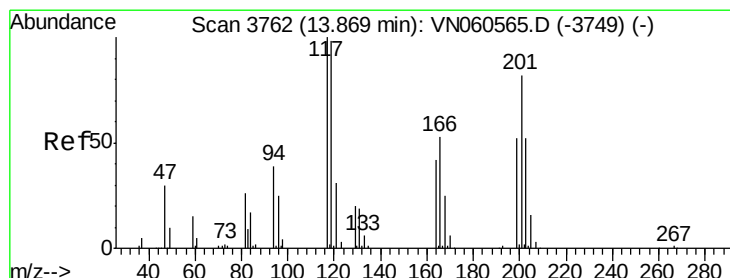
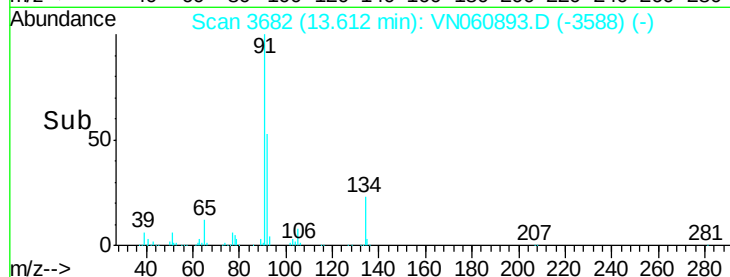
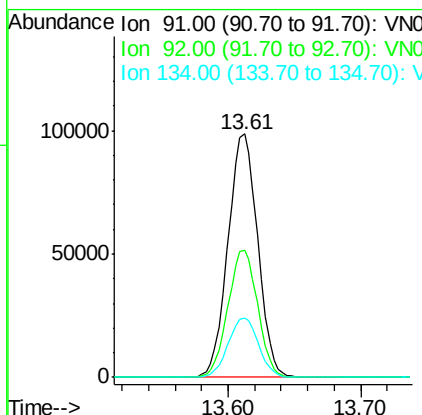
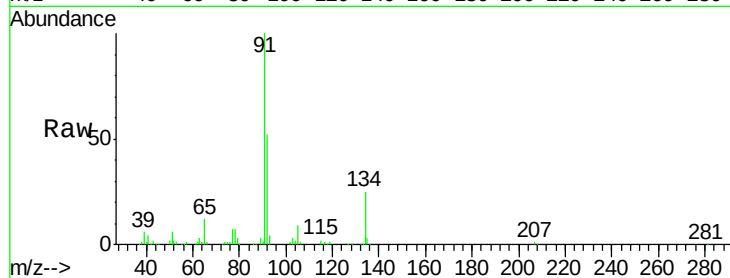
ClientSampled :

VN0408WBS01

Tot Ion:	91	Resp:	153823
Ion Ratio	Lower	Upper	
91	100		
92	52.1	26.2	78.5
134	24.7	12.3	36.9

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#90

Hexachloroethane

Concen: 22.101 ug/l

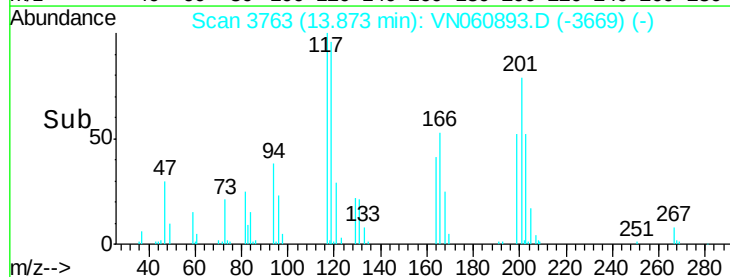
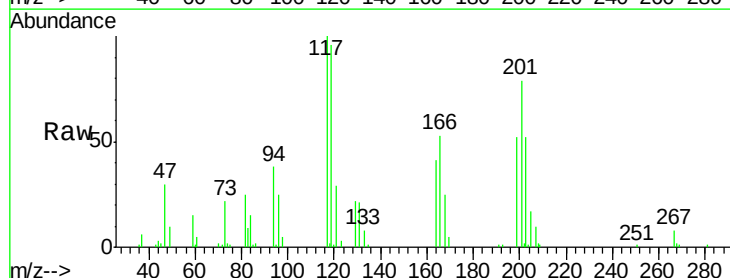
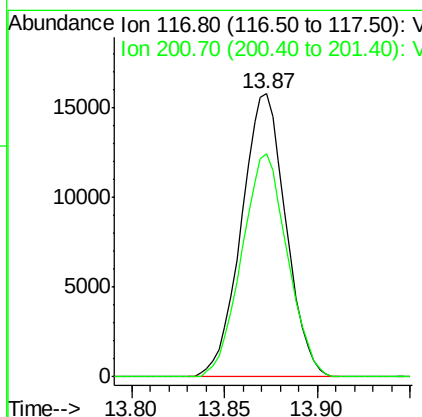
RT: 13.87 min Scan# 3763

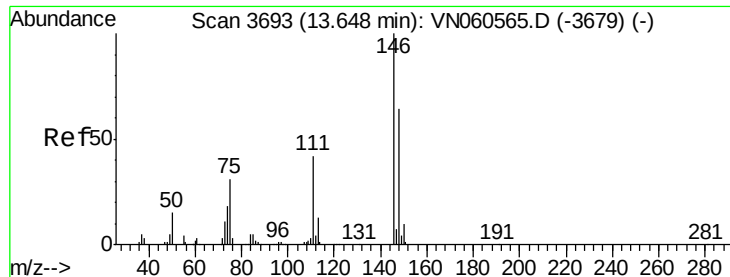
Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Tgt Ion:	117	Resp:	26266
Ion Ratio	Lower	Upper	
117	100		
201	80.7	40.8	122.5





#91

1,2-Dichlorobenzene

Concen: 20.365 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Instrument :

MSVOA_N

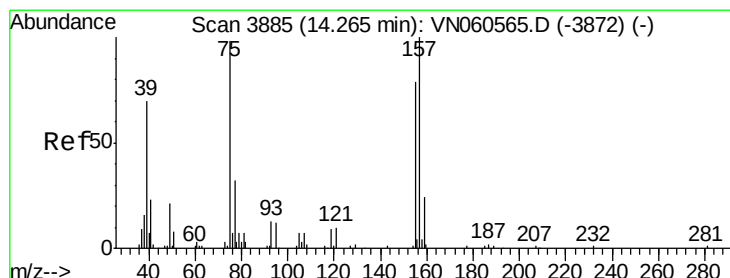
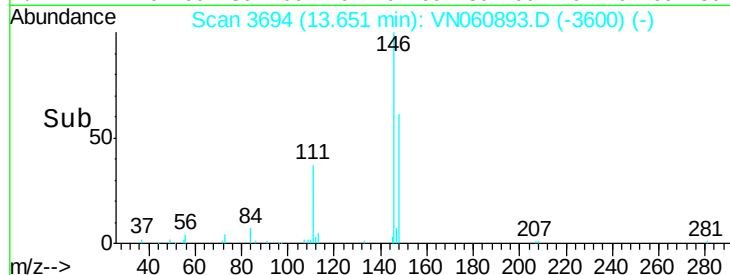
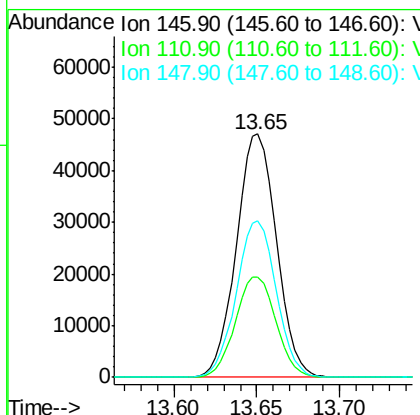
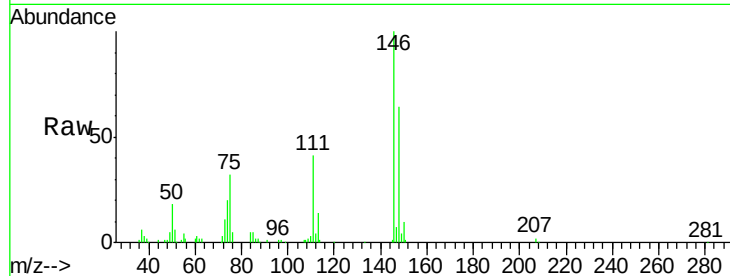
ClientSampled :

VN0408WBS01

Tot Ion:	146	Resp:	79541
Ion Ratio	Lower	Upper	
146	100		
111	41.6	21.0	63.0
148	63.9	31.9	95.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.068 ug/l

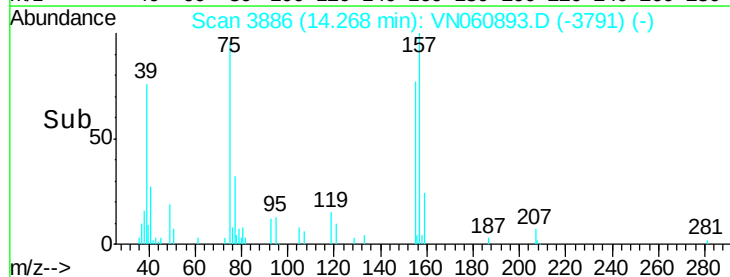
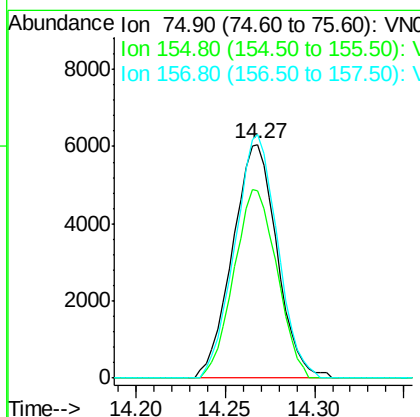
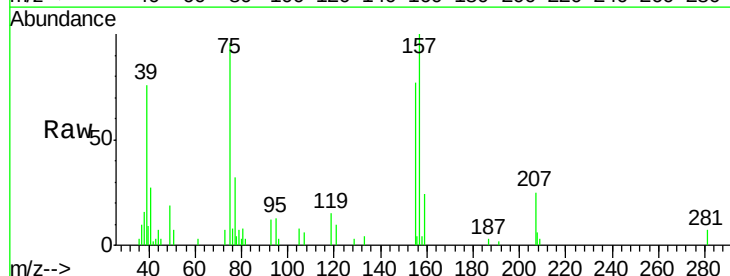
RT: 14.27 min Scan# 3886

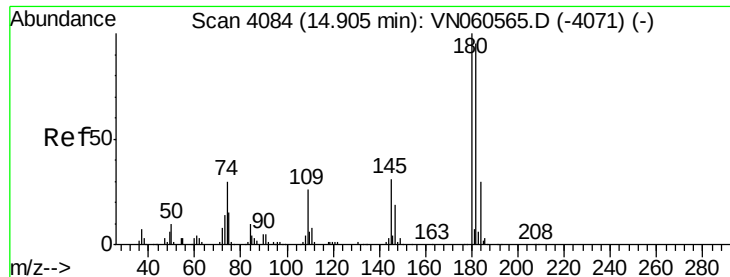
Delta R.T. 0.00 min

Lab File: VN060893.D

Acq: 8 Apr 2020 12:05

Tgt Ion:	75	Resp:	10498
Ion Ratio	Lower	Upper	
75	100		
155	77.8	40.7	122.1
157	100.2	51.5	154.7





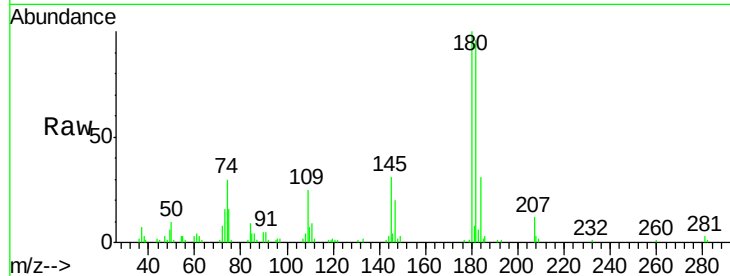
#93
 1,2,4-Trichlorobenzene
 Concen: 19.402 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0408WBS01

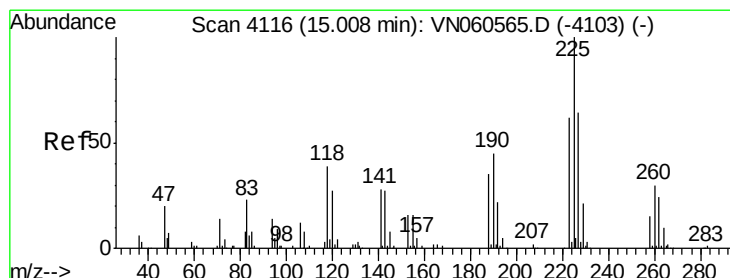
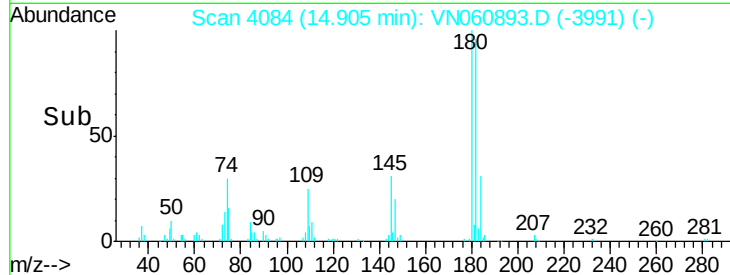
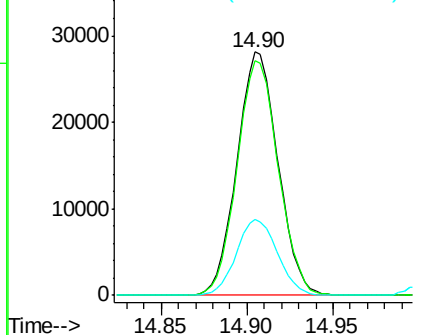
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.7	47.9	143.8
145	31.2	15.4	46.2

Manual Integrations
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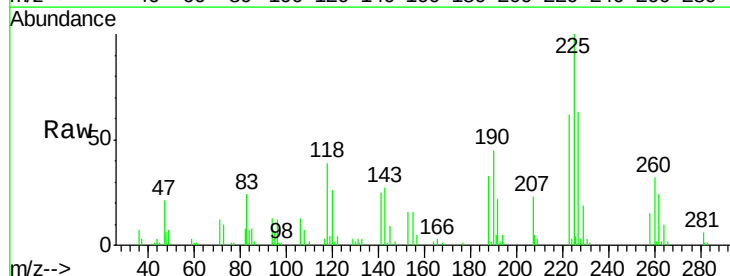


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

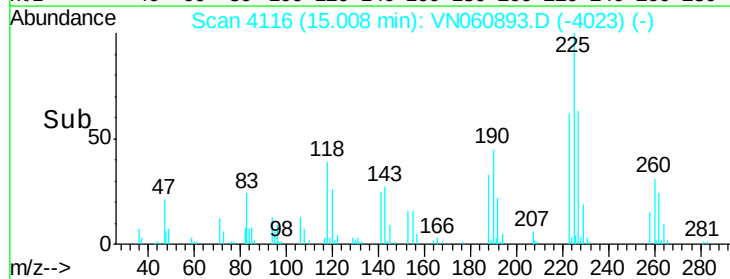
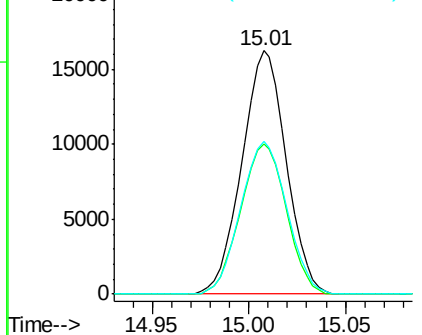


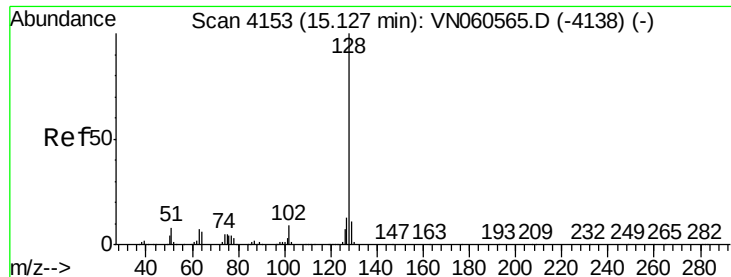
#94
 Hexachlorobutadiene
 Concen: 22.022 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060893.D
 Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	95.0
227	65.1	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





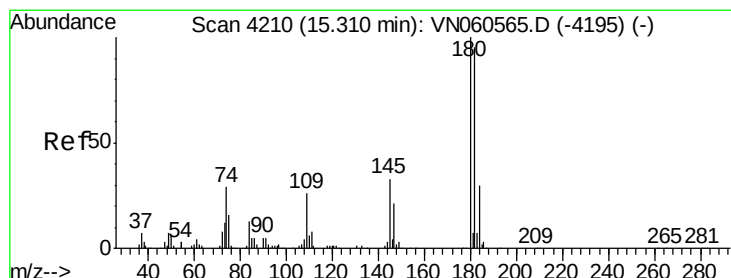
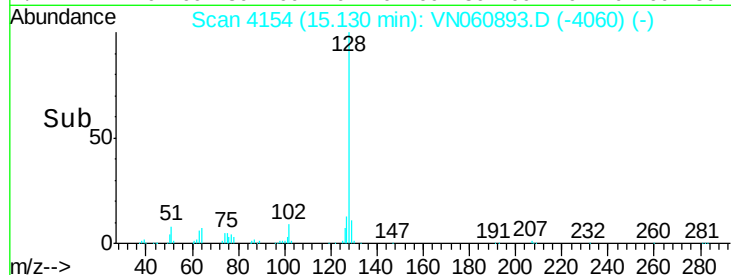
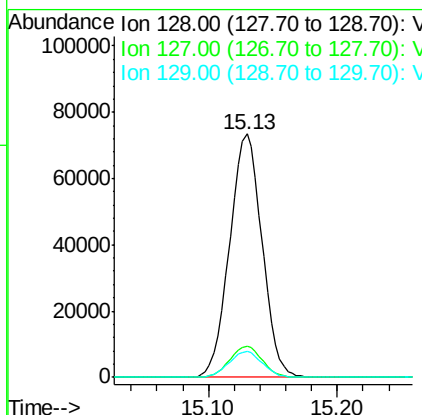
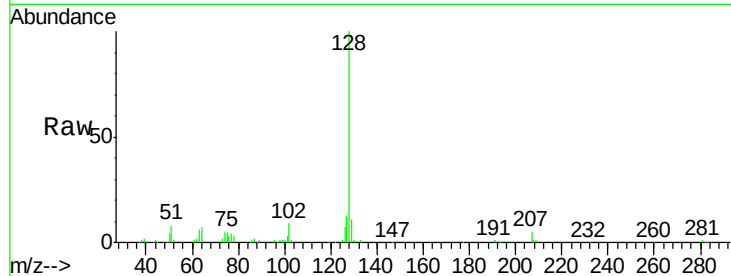
#95
Naphthalene
Concen: 17.775 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Instrument :
MSVOA_N
ClientSampled :
VN0408WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	128232		
127	12.7	10.2	15.2	
129	10.9	8.8	13.2	

Manual Integrations
APPROVED

apatel
4/9/2020 12:29:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.396 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060893.D
Acq: 8 Apr 2020 12:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	45824		
182	95.7	47.5	142.6	
145	32.1	16.3	48.8	

