

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032420\
 Data File : VN060662.D
 Acq On : 24 Mar 2020 10:43
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 3/25/2020 10:20:12 PM

Quant Time: Mar 25 04:13:06 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	218667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	350491	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	325884	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156049	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	139626	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	
35) Dibromofluoromethane	7.56	113	104065	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	
50) Toluene-d8	10.08	98	427697	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.39	95	156926	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	102176	48.292	ug/l	100
3) Chloromethane	2.04	50	174560	44.174	ug/l	99
4) Vinyl Chloride	2.16	62	140999	45.619	ug/l	99
5) Bromomethane	2.54	94	64077	48.025	ug/l	100
6) Chloroethane	2.68	64	83613	46.962	ug/l	99
7) Trichlorofluoromethane	3.00	101	181303	47.619	ug/l	98
8) Diethyl Ether	3.38	74	73040	47.754	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	108723	49.281	ug/l	99
10) Methyl Iodide	3.92	142	93368	47.561	ug/l	99
11) Tert butyl alcohol	4.72	59	93438	211.652	ug/l	100
12) 1,1-Dichloroethene	3.71	96	109743	46.354	ug/l	98
13) Acrolein	3.57	56	155244	317.291	ug/l	100
14) Allyl chloride	4.29	41	196445	47.178	ug/l	99
15) Acrylonitrile	4.94	53	297595	229.240	ug/l	100
16) Acetone	3.77	43	366652	344.825	ug/l	99
17) Carbon Disulfide	4.03	76	338438	47.004	ug/l	100
18) Methyl Acetate	4.28	43	138736	46.355	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	373308	45.863	ug/l	99
20) Methylene Chloride	4.52	84	123603	47.255	ug/l	99
21) trans-1,2-Dichloroethene	5.00	96	119417	47.327	ug/l	96
22) Diisopropyl ether	5.91	45	425590	48.379	ug/l	95
23) Vinyl Acetate	5.85	43	1735466	241.788	ug/l	100
24) 1,1-Dichloroethane	5.81	63	231075	48.184	ug/l	99
25) 2-Butanone	6.79	43	459802	267.233	ug/l	99
26) 2,2-Dichloropropane	6.79	77	198606	52.636	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	136676	47.667	ug/l	99
28) Bromochloromethane	7.16	49	125088	54.517	ug/l	99
29) Tetrahydrofuran	7.18	42	267912	220.070	ug/l	99
30) Chloroform	7.34	83	217839	47.383	ug/l	100
31) Cyclohexane	7.63	56	219070	45.312	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	188825	47.643	ug/l	99
36) 1,1-Dichloropropene	7.77	75	172983	50.970	ug/l	99
37) Ethyl Acetate	6.89	43	170530	46.503	ug/l	98
38) Carbon Tetrachloride	7.75	117	154850	50.908	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	209214	51.874	ug/l	99
40) Benzene	8.02	78	513388	50.110	ug/l	100
41) Methacrylonitrile	7.14	41	72678m	46.439	ug/l	
42) 1,2-Dichloroethane	8.10	62	176814	50.499	ug/l	99
43) Isopropyl Acetate	8.14	43	289838	47.925	ug/l	100
44) Trichloroethene	8.81	130	133222	51.583	ug/l	98
45) 1,2-Dichloropropane	9.10	63	138797	51.342	ug/l	97
46) Dibromomethane	9.19	93	82684	50.591	ug/l	100
47) Bromodichloromethane	9.38	83	171036	50.361	ug/l	100
48) Methyl methacrylate	9.18	41	130184	48.348	ug/l	100
49) 1,4-Dioxane	9.18	88	31168	973.840	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	837555	243.372	ug/l	99
52) Toluene	10.14	92	312485	50.504	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	202857	52.000	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	217600	50.844	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	117955	49.553	ug/l	99
56) Ethyl methacrylate	10.42	69	185635	50.015	ug/l	99
57) 1,3-Dichloropropane	10.69	76	207203	50.162	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	417226	226.177	ug/l	100
59) 2-Hexanone	10.74	43	660428	266.402	ug/l	99
60) Dibromochloromethane	10.89	129	125499	51.041	ug/l	100
61) 1,2-Dibromoethane	10.99	107	119875	50.082	ug/l	99
64) Tetrachloroethene	10.62	164	131242	51.178	ug/l	100
65) Chlorobenzene	11.42	112	322520	49.923	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	117292	50.145	ug/l	97
67) Ethyl Benzene	11.50	91	606219	50.459	ug/l	99
68) m/p-Xylenes	11.61	106	452796	101.423	ug/l	100
69) o-Xylene	11.94	106	215262	50.509	ug/l	100
70) Styrene	11.96	104	355406	50.989	ug/l	100
71) Bromoform	12.12	173	88949	45.897	ug/l #	99
73) Isopropylbenzene	12.24	105	575241	49.120	ug/l	99
74) N-amyl acetate	12.06	43	256325	47.367	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	165968	46.864	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	159495m	47.367	ug/l	
77) Bromobenzene	12.52	156	136202	48.266	ug/l	98
78) n-propylbenzene	12.58	91	694056	50.164	ug/l	99
79) 2-Chlorotoluene	12.67	91	398130	48.160	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	489415	49.246	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	62601	47.748	ug/l	99
82) 4-Chlorotoluene	12.77	91	417655	49.605	ug/l	100
83) tert-Butylbenzene	12.99	119	408026	49.527	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	487228	49.556	ug/l	99
85) sec-Butylbenzene	13.17	105	554697	50.071	ug/l	100
86) p-Isopropyltoluene	13.28	119	503190	50.512	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	249712	50.173	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	248926	49.782	ug/l	99
89) n-Butylbenzene	13.61	91	468986	52.144	ug/l	100
90) Hexachloroethane	13.87	117	68401	47.237	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	236489	49.693	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	32854	44.261	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	152829	52.294	ug/l	99
94) Hexachlorobutadiene	15.00	225	73529	51.323	ug/l	98
95) Naphthalene	15.13	128	434860	49.471	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	142213	49.404	ug/l	99

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

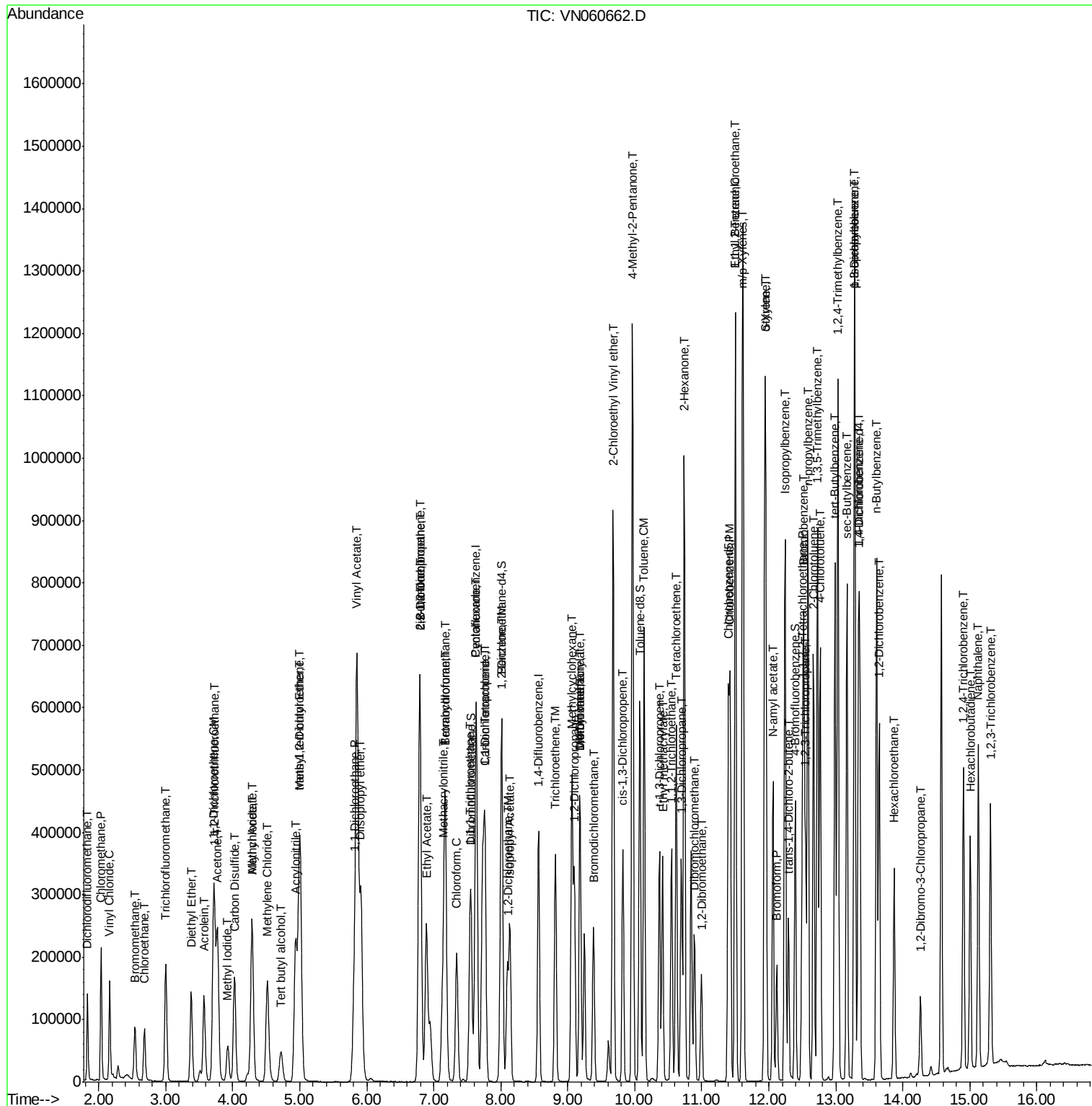
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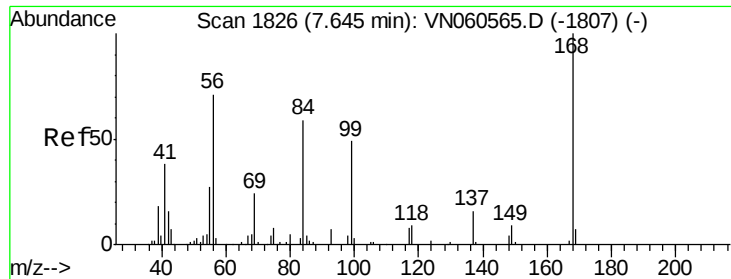
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 218667

Ion Ratio Lower Upper

168 100

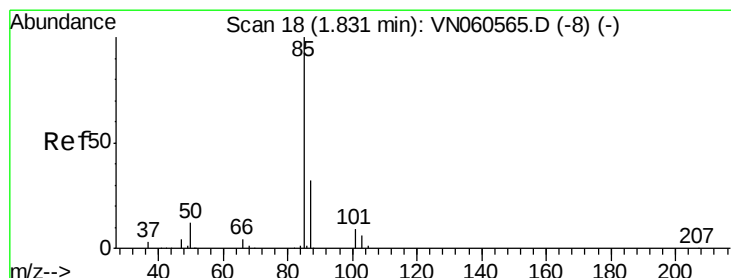
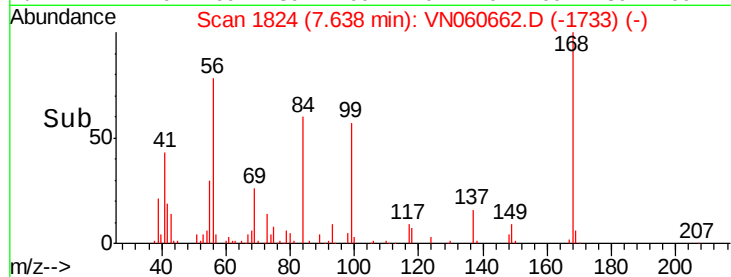
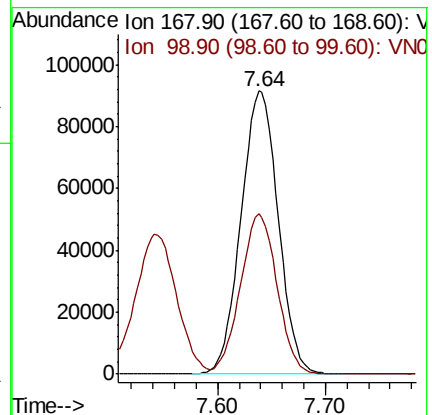
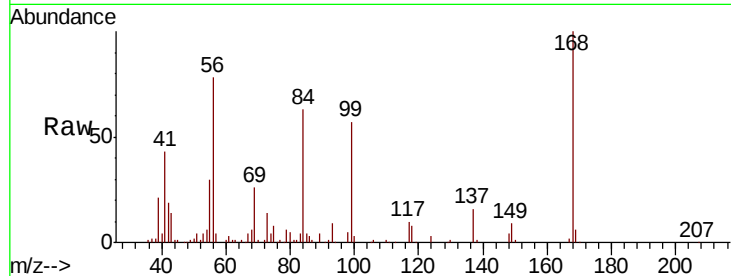
99 56.5 44.0 66.0

Manual Integrations

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3/25/2020 10:20:12 PM



#2

Dichlorodifluoromethane

Concen: 48.292 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060662.D

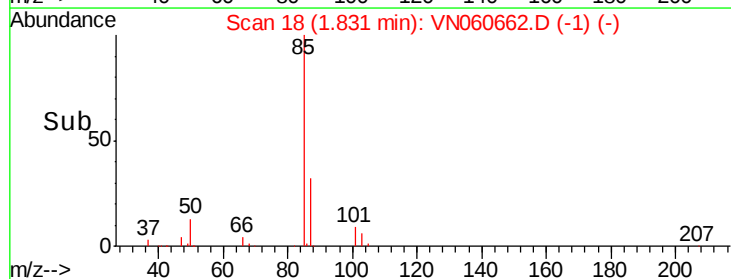
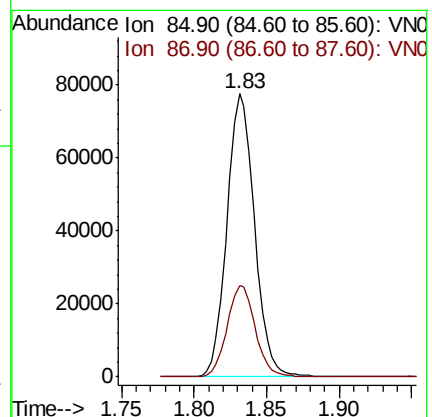
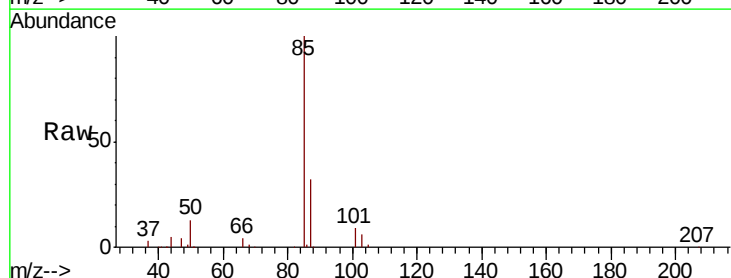
Acq: 24 Mar 2020 10:43

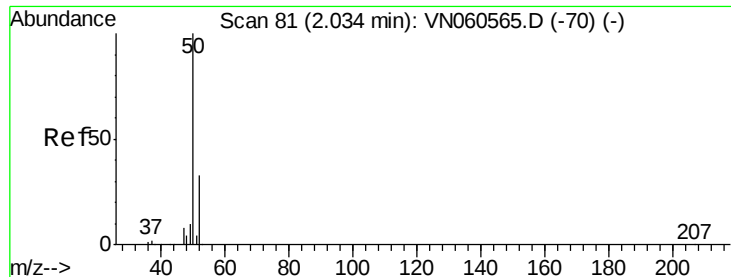
Tgt Ion: 85 Resp: 102176

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5





#3

Chloromethane

Concen: 44.174 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 174560

Ion Ratio Lower Upper

50 100

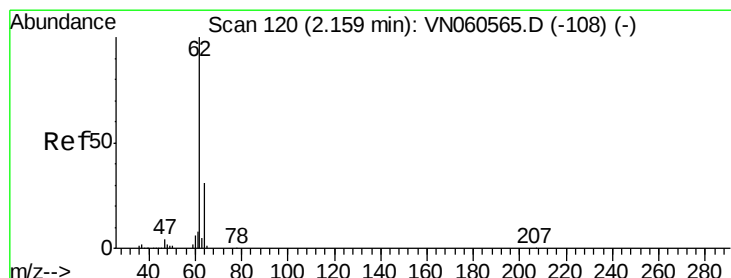
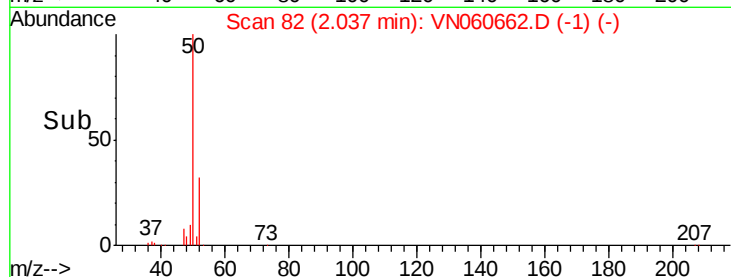
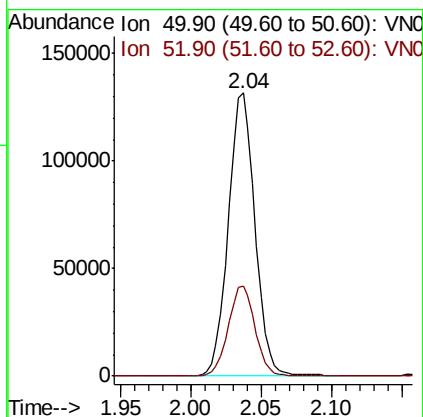
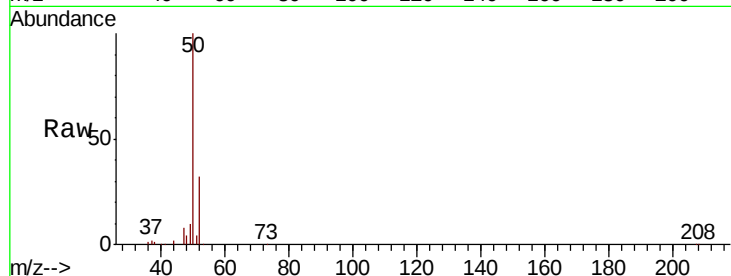
52 32.0 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.619 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060662.D

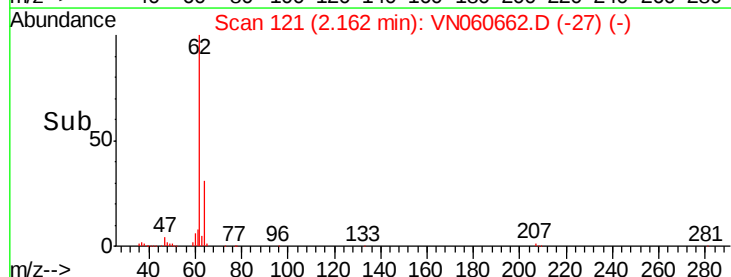
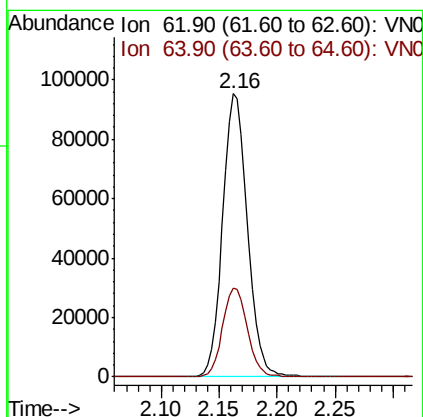
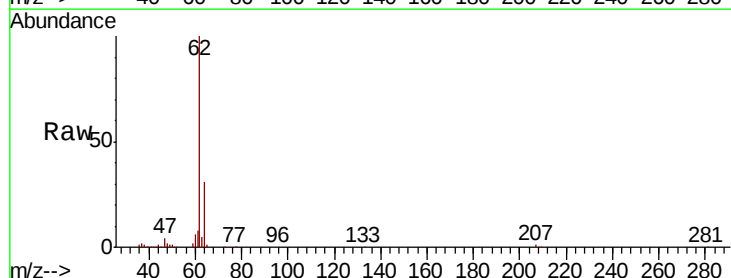
Acq: 24 Mar 2020 10:43

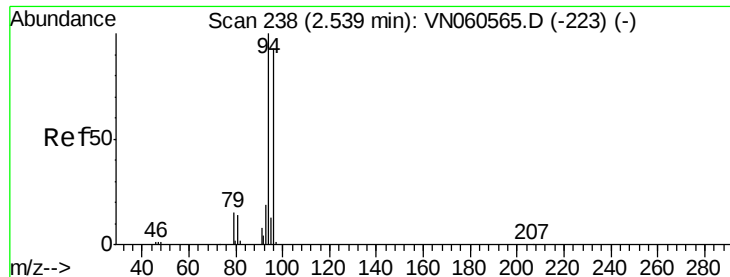
Tgt Ion: 62 Resp: 140999

Ion Ratio Lower Upper

62 100

64 31.2 24.7 37.1





#5

Bromomethane

Concen: 48.025 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 64077

Ion Ratio Lower Upper

94 100

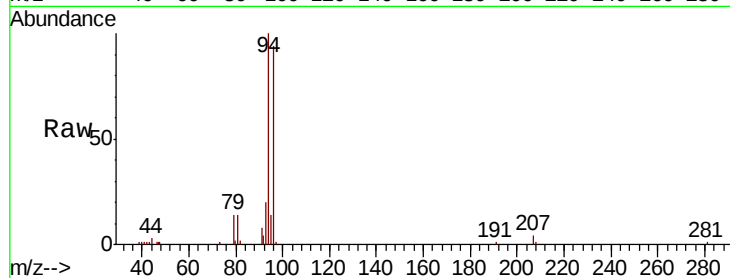
96 93.5 74.6 112.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN060662.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060662.D (-145) (-)

2.54

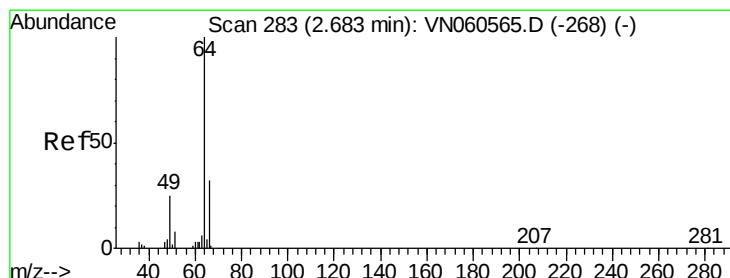
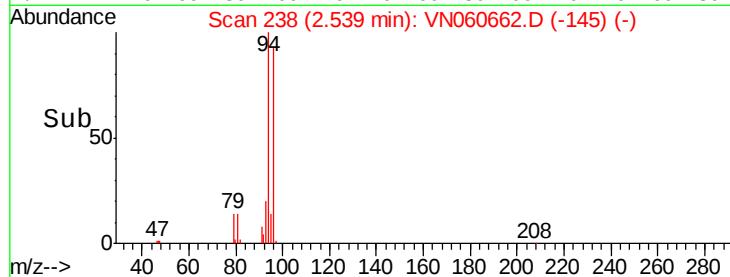
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 46.962 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060662.D

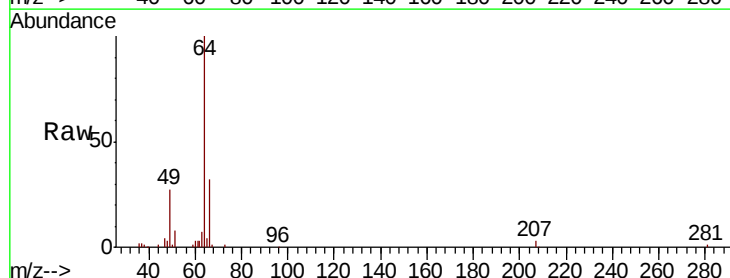
Acq: 24 Mar 2020 10:43

Tgt Ion: 64 Resp: 83613

Ion Ratio Lower Upper

64 100

66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN060662.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060662.D (-190) (-)

2.68

40000

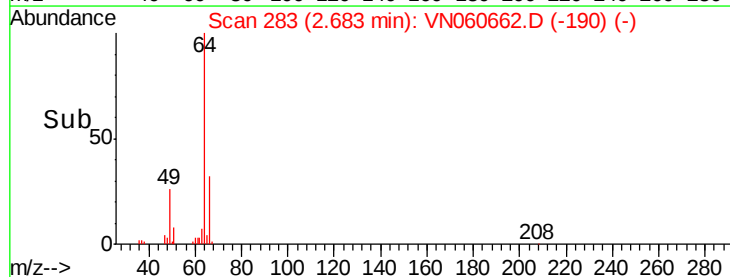
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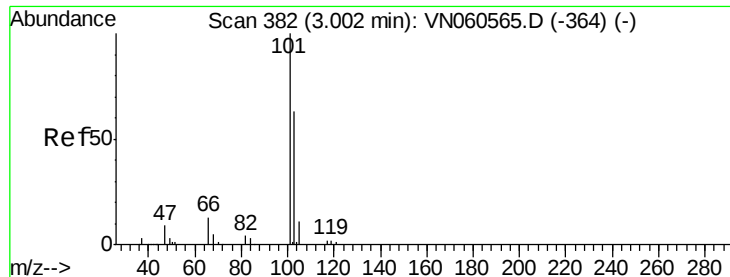
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Time-->





#7

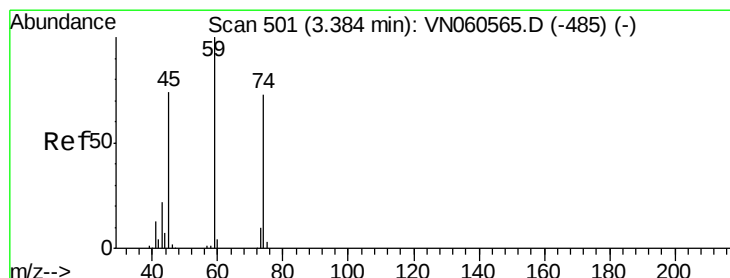
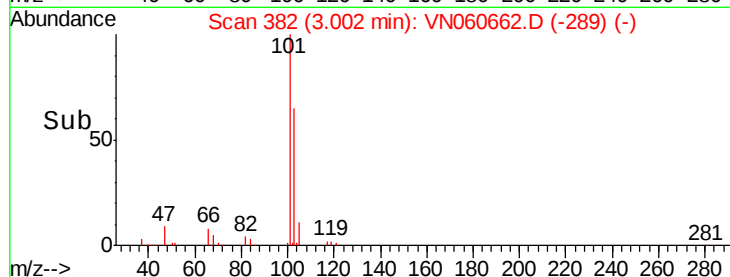
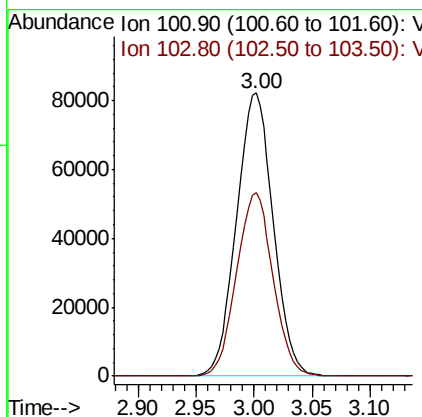
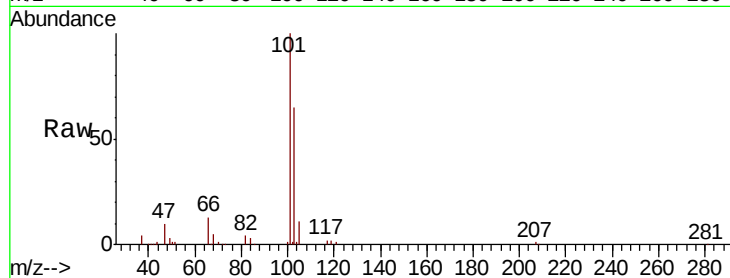
Trichlorofluoromethane
 Concen: 47.619 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VN060662.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.6	76.0

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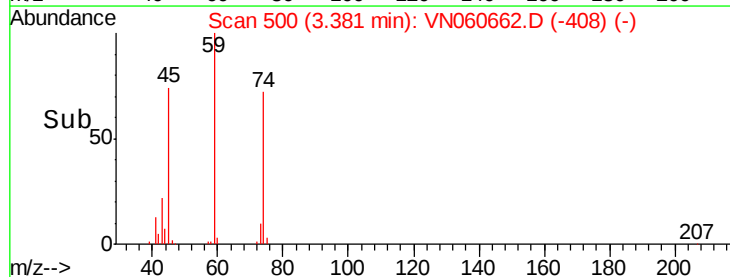
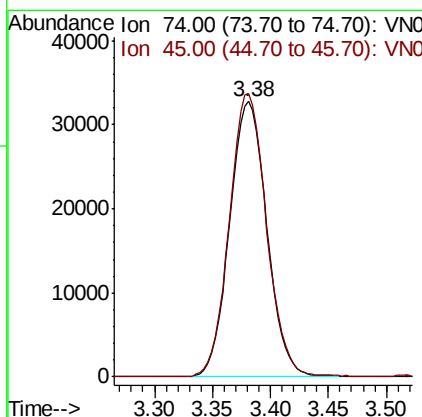
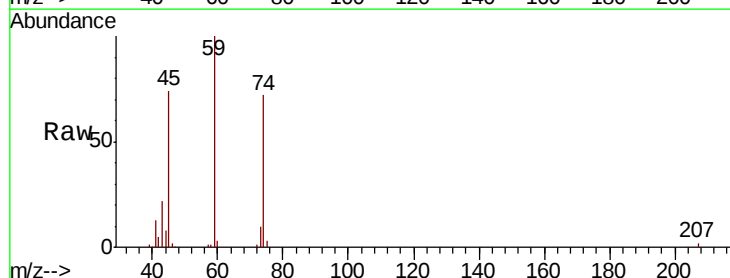
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 3/25/2020 10:20:12 PM



#8

Diethyl Ether
 Concen: 47.754 ug/l
 RT: 3.38 min Scan# 500
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.281 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN060662.D

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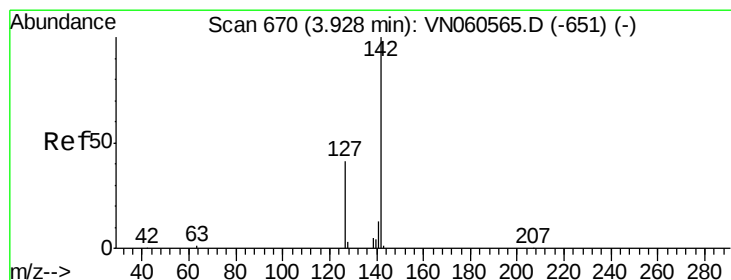
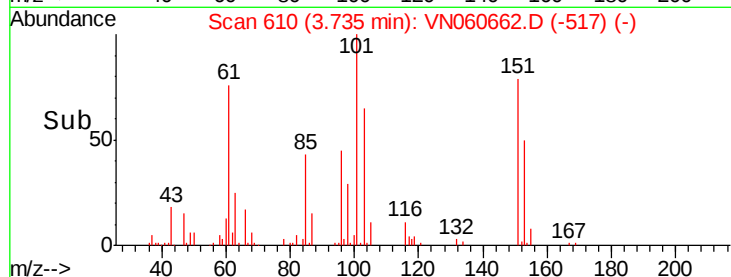
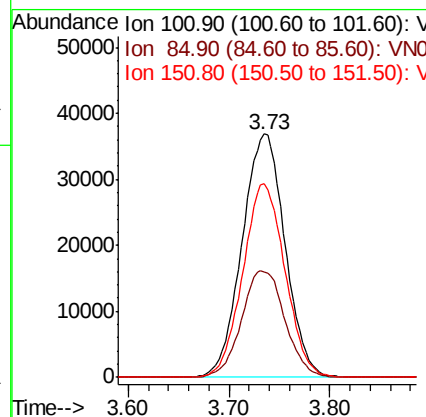
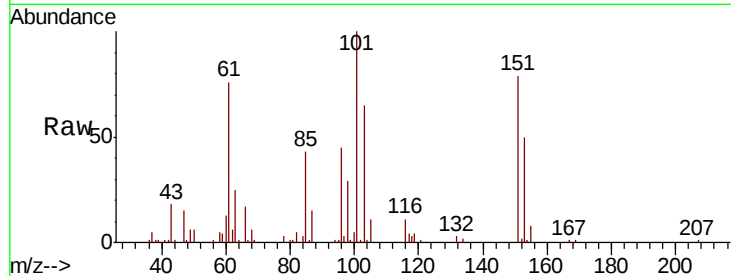
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	108723
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.6	53.4
151	78.3	61.4	92.2

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#10

Methyl Iodide

Concen: 47.561 ug/l

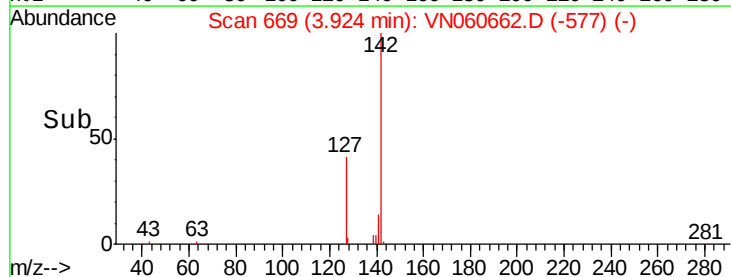
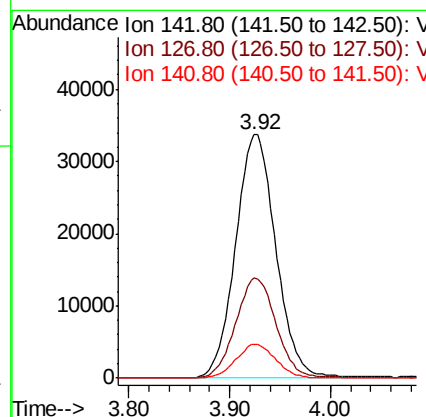
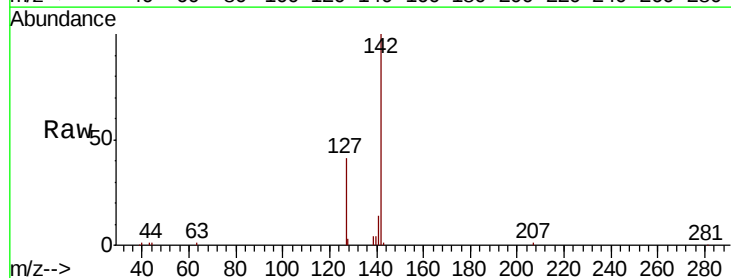
RT: 3.92 min Scan# 669

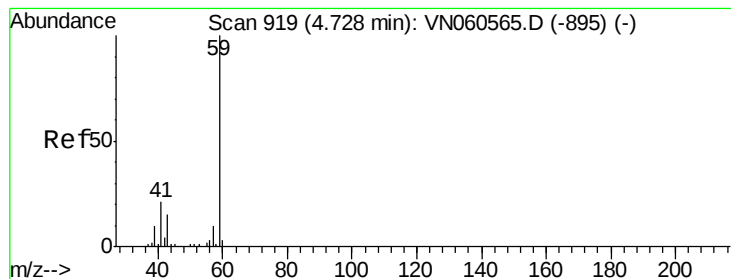
Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Tgt Ion:	142	Resp:	93368
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.5	50.3
141	13.7	11.0	16.6





#11

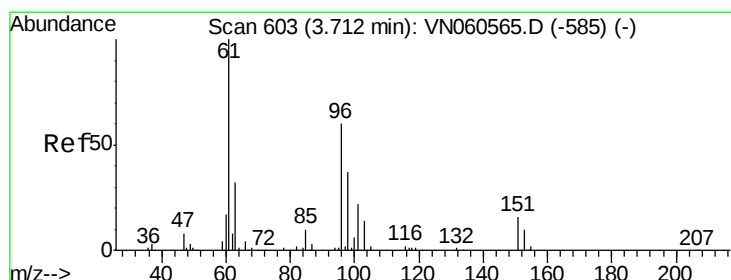
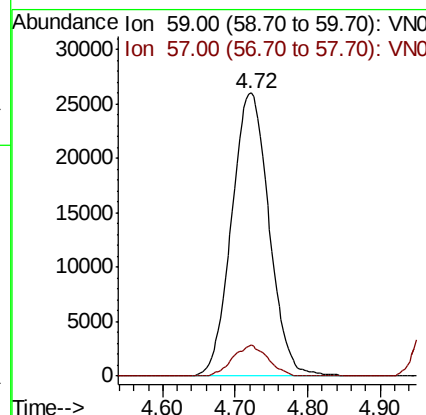
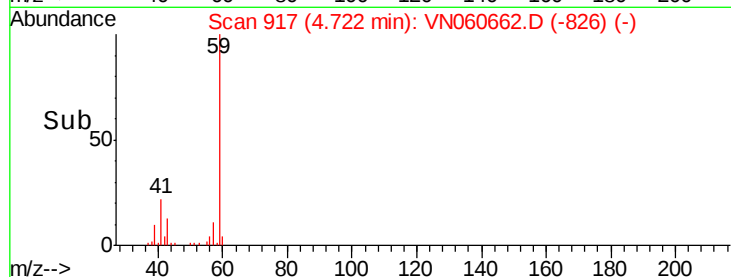
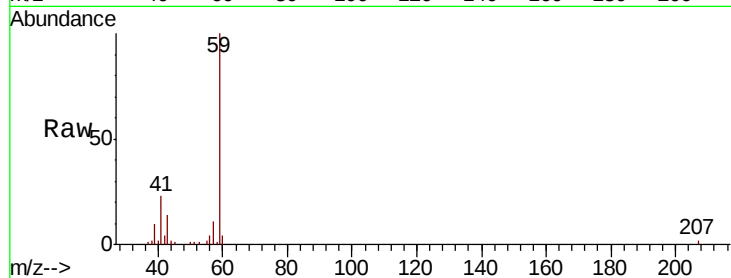
Tert butyl alcohol
Concen: 211.652 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.2	Resp	93438	Lower	8.2	Upper	12.4
Ion	59	57	Ratio	100	10.2	Resp	93438	Lower	8.2	Upper	12.4

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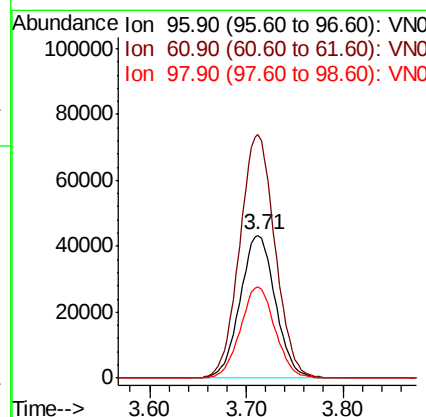
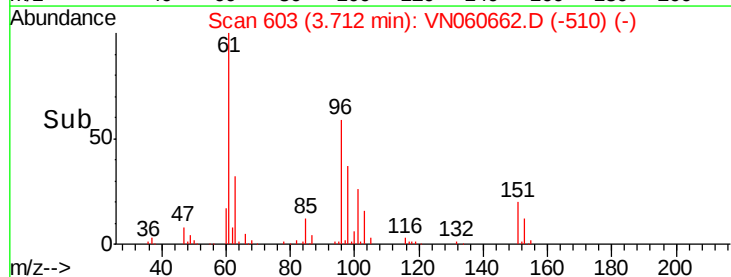
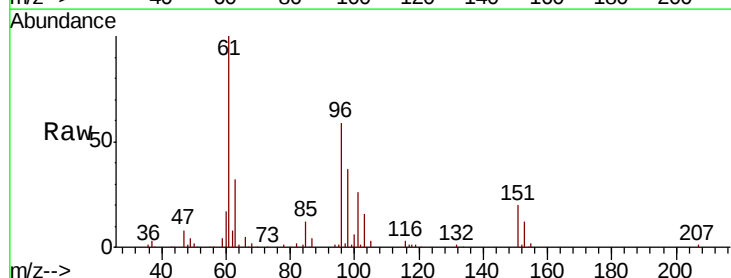
MMDadoda
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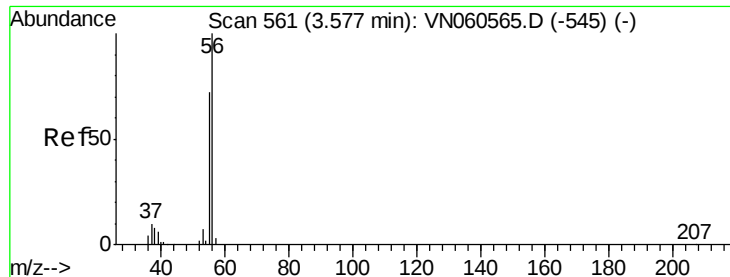


#12

1,1-Dichloroethene
Concen: 46.354 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	96	61	98	Ratio	100	170.5	63.7	Resp	109743	Lower	134.1	49.9	Upper	201.1	74.9
Ion	96	61	98	Ratio	100	170.5	63.7	Resp	109743	Lower	134.1	49.9	Upper	201.1	74.9





#13

Acrolein

Concen: 317.291 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 155244

Ion Ratio Lower Upper

56 100

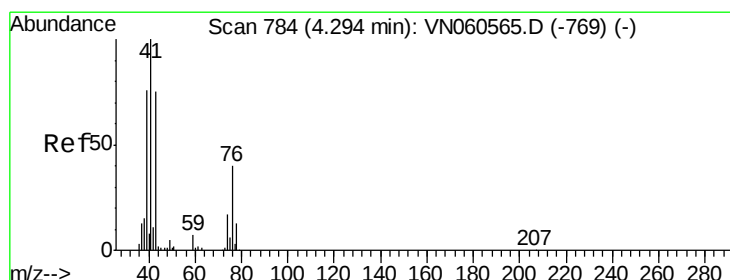
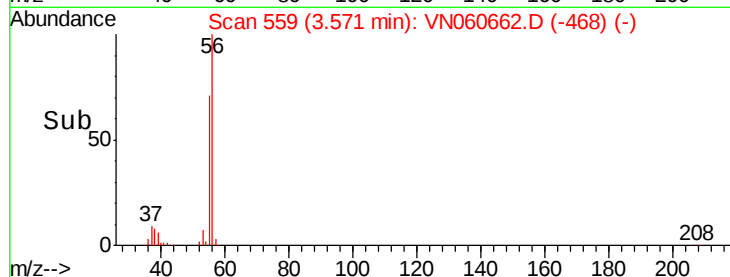
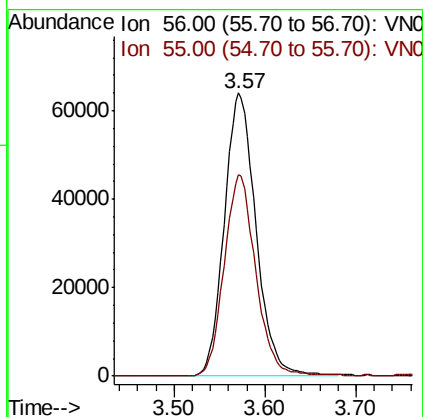
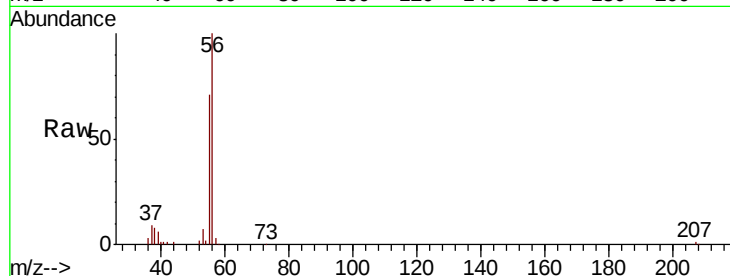
55 70.6 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 47.178 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

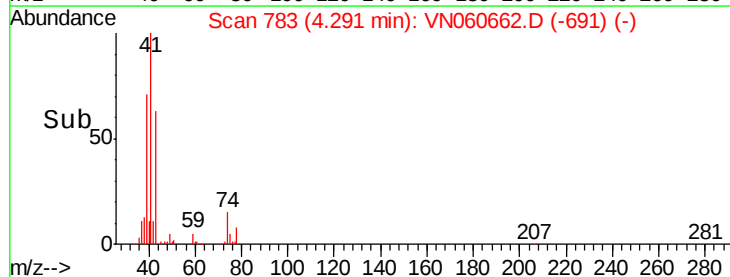
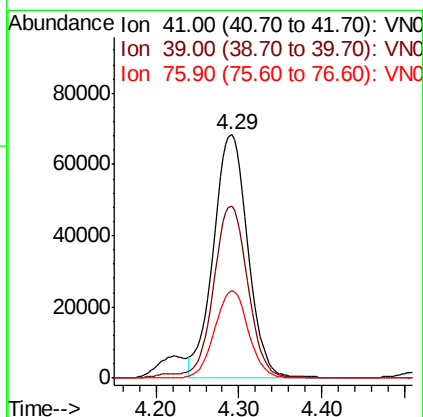
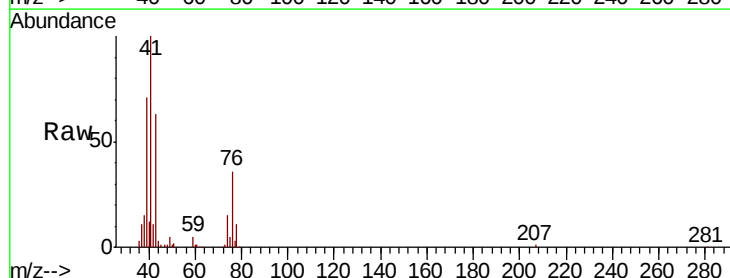
Tgt Ion: 41 Resp: 196445

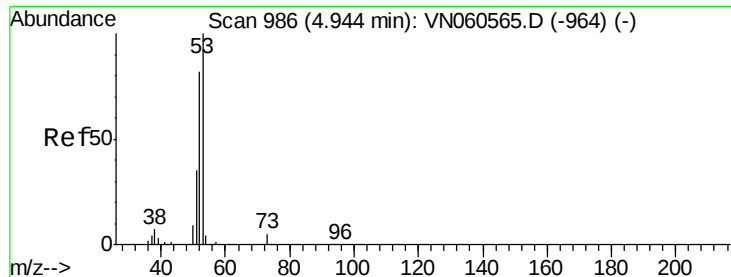
Ion Ratio Lower Upper

41 100

39 71.9 57.8 86.8

76 35.3 28.6 43.0





#15

Acrylonitrile

Concen: 229.240 ug/l

RT: 4.94 min Scan# 984

Delta R.T. -0.01 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

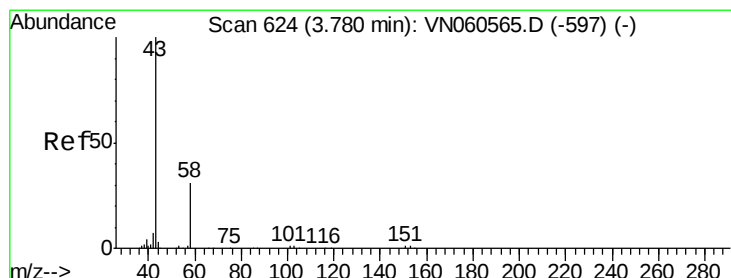
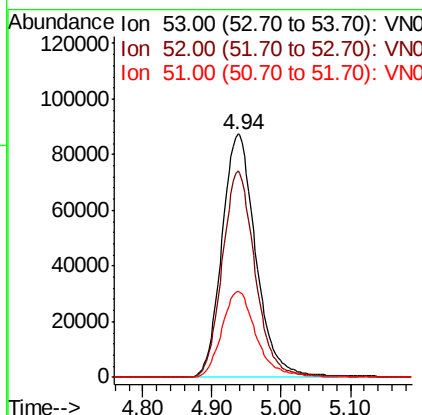
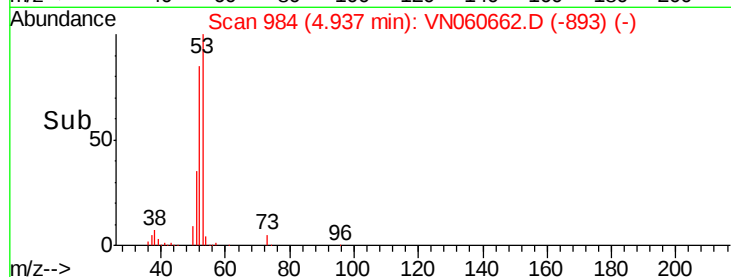
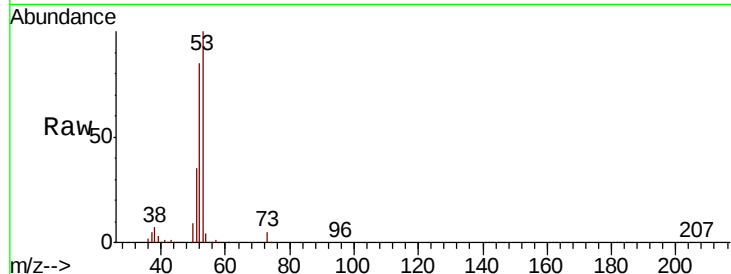
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	297595
Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	35.9	28.7	43.1

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#16

Acetone

Concen: 344.825 ug/l

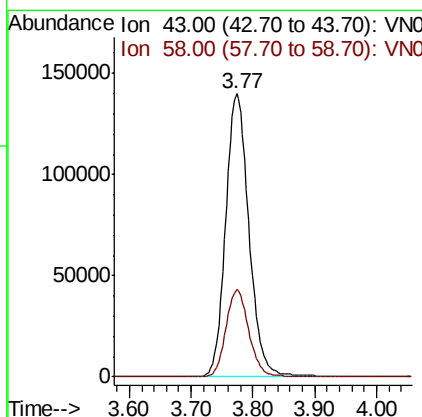
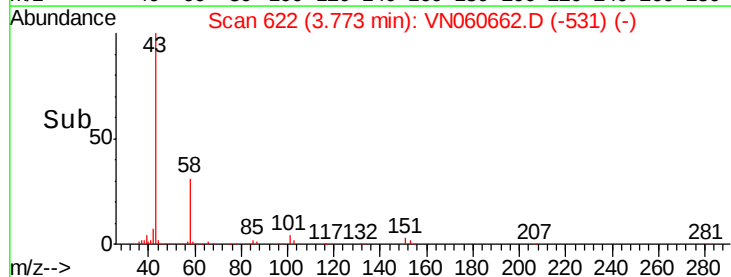
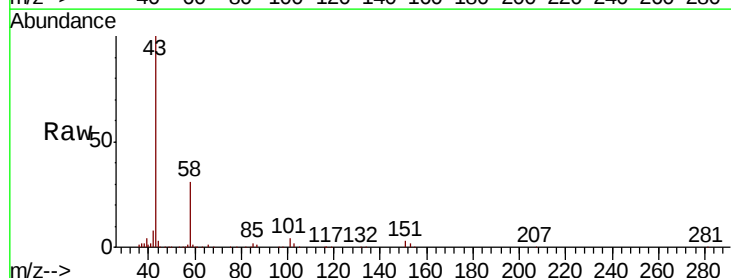
RT: 3.77 min Scan# 622

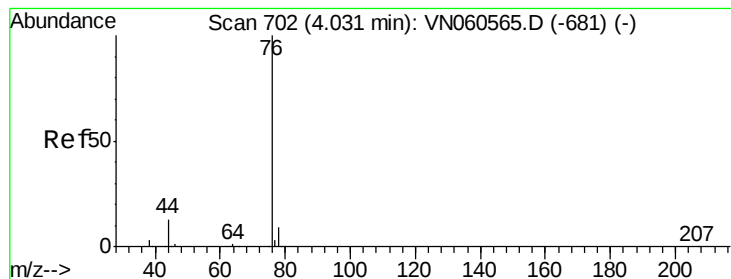
Delta R.T. -0.01 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Tgt Ion:	43	Resp:	366652
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.1	37.7





#17

Carbon Disulfide

Concen: 47.004 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 338438

Ion Ratio Lower Upper

76 100

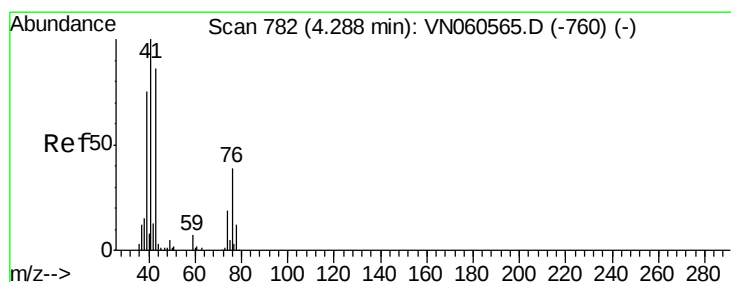
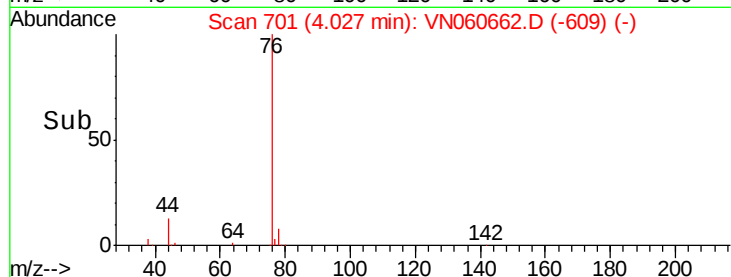
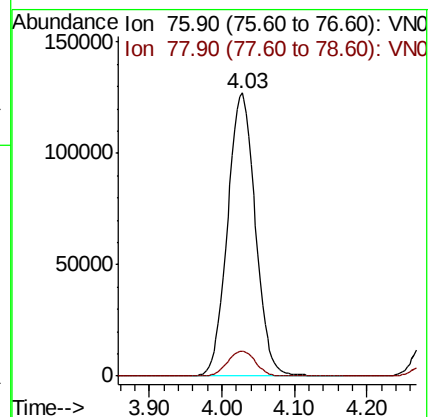
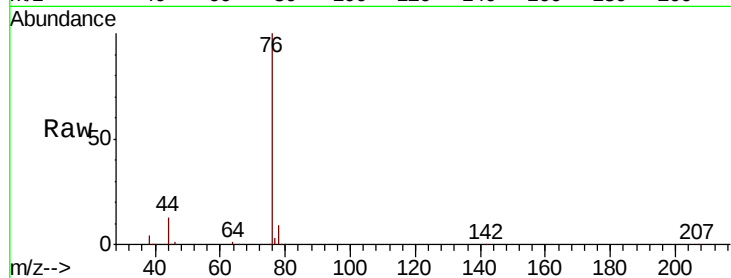
78 9.0 7.2 10.8

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#18

Methyl Acetate

Concen: 46.355 ug/l

RT: 4.28 min Scan# 780

Delta R.T. -0.01 min

Lab File: VN060662.D

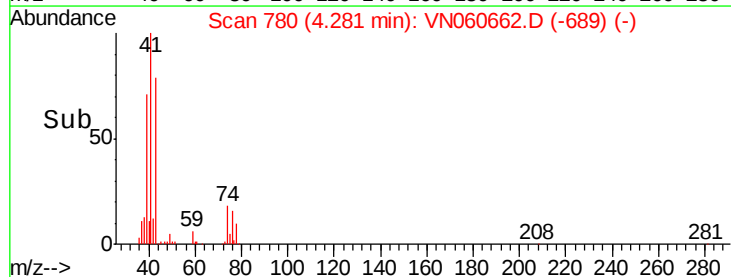
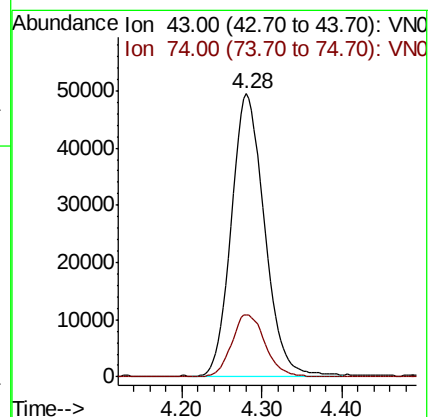
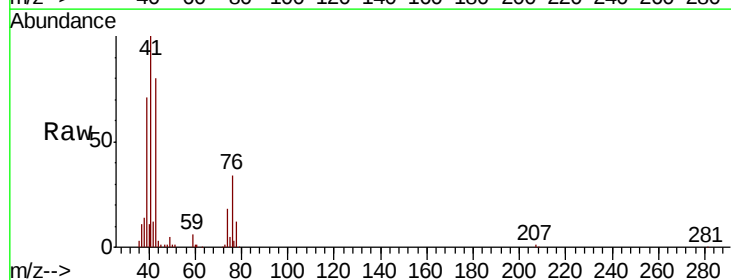
Acq: 24 Mar 2020 10:43

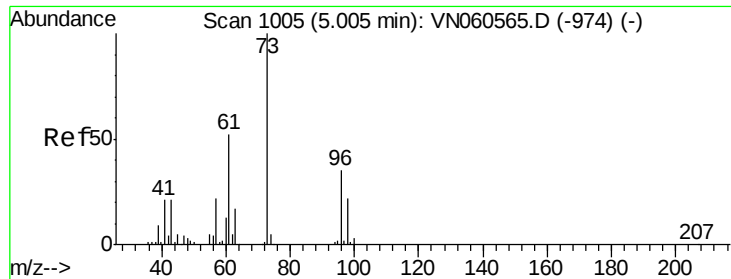
Tgt Ion: 43 Resp: 138736

Ion Ratio Lower Upper

43 100

74 22.1 17.5 26.3





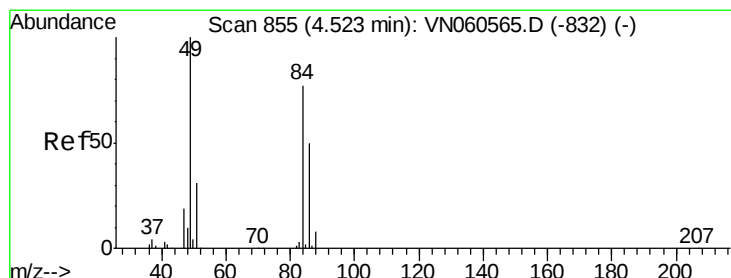
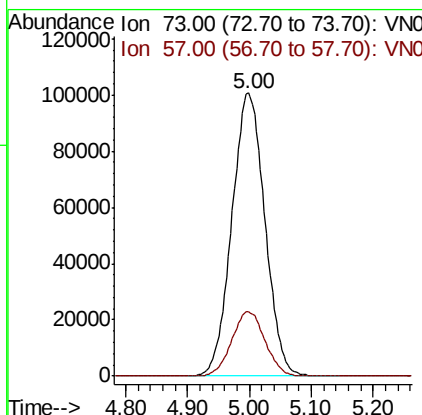
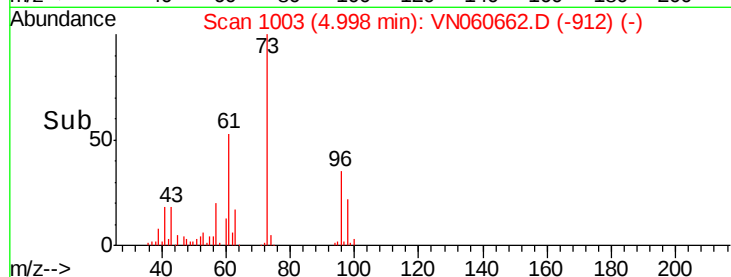
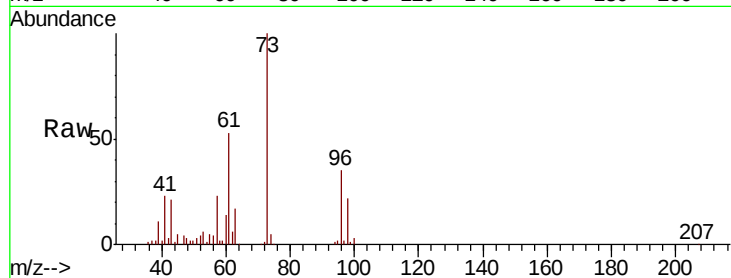
#19
Methyl tert-butyl Ether
Concen: 45.863 ug/l
RT: 5.00 min Scan# 1003
Delta R.T. -0.01 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 373308
Ion Ratio Lower Upper
73 100
57 22.6 17.5 26.3

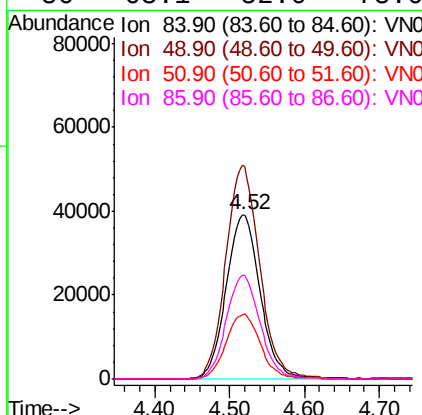
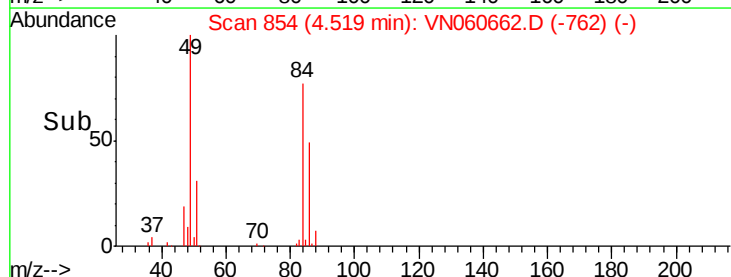
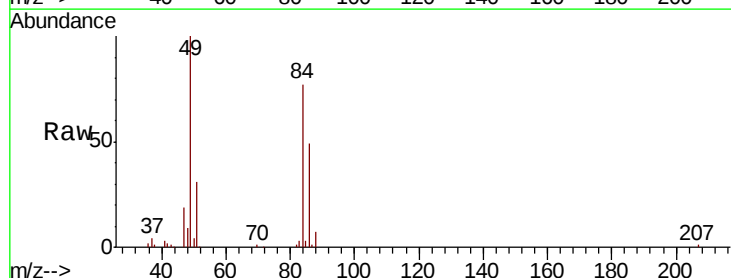
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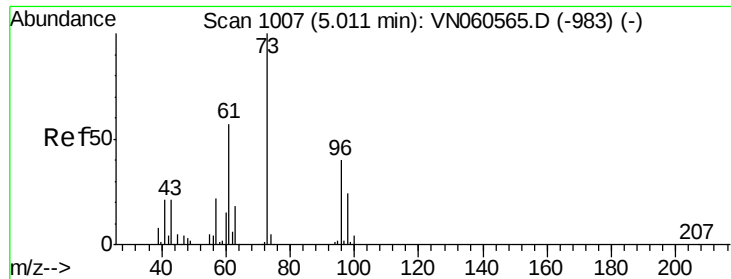
MMDadoda
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#20
Methylene Chloride
Concen: 47.255 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion: 84 Resp: 123603
Ion Ratio Lower Upper
84 100
49 129.4 103.3 154.9
51 39.6 31.6 47.4
86 63.1 52.0 78.0





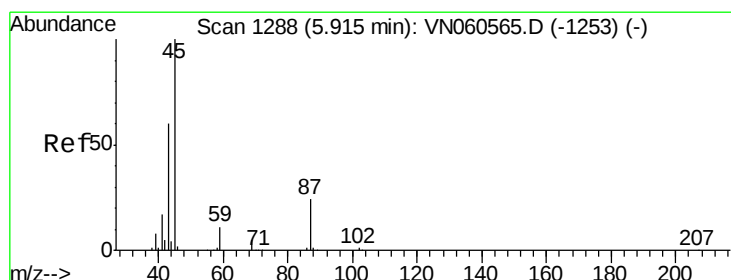
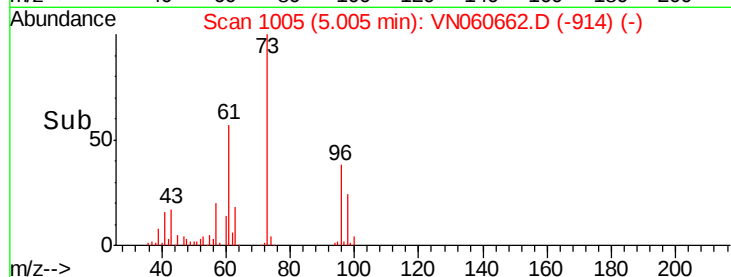
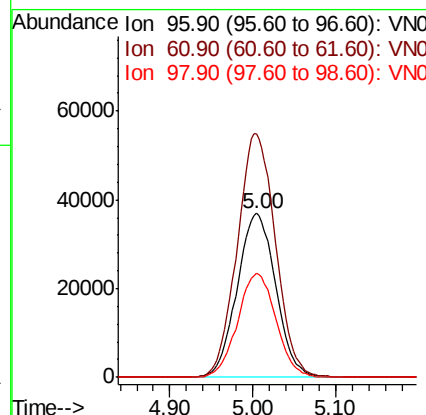
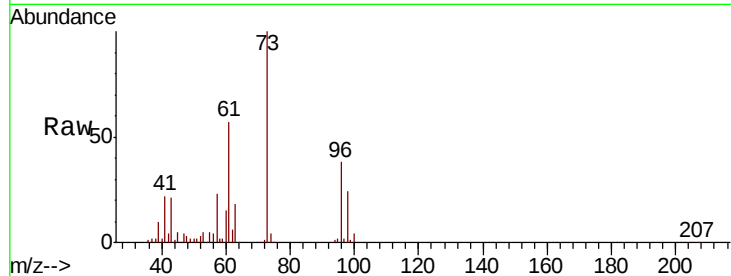
#21
trans-1,2-Dichloroethene
Concen: 47.327 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.6	114.4	171.6
98	63.3	48.4	72.6

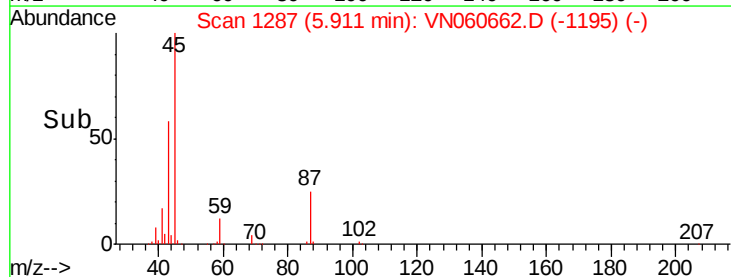
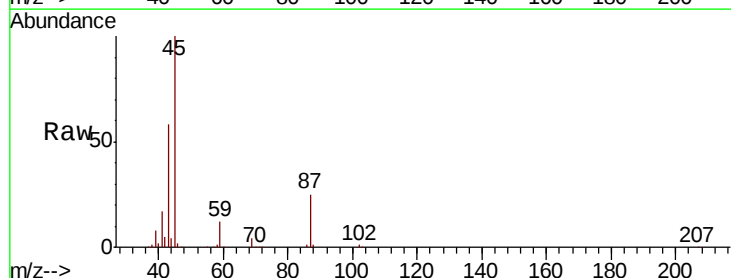
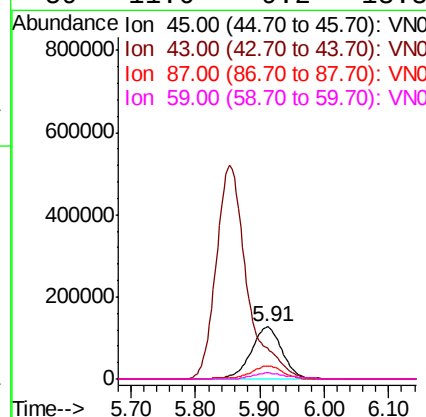
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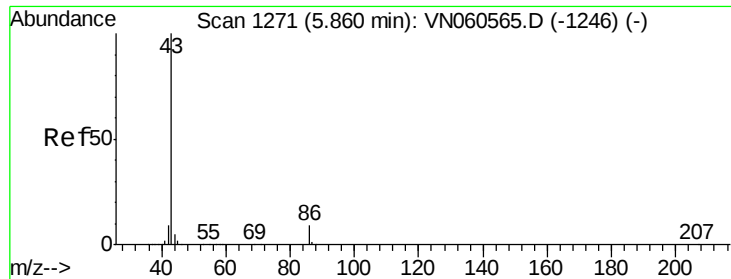
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#22
Diisopropyl ether
Concen: 48.379 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.9	49.8	74.8
87	24.8	20.1	30.1
59	11.6	9.2	13.8





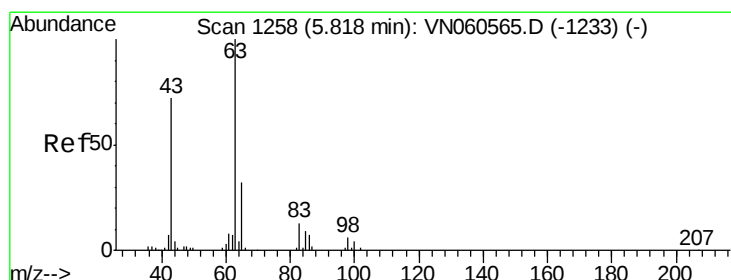
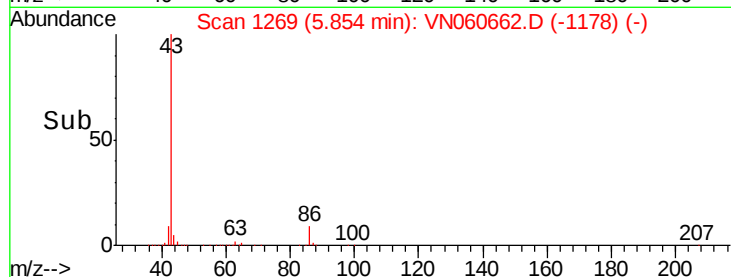
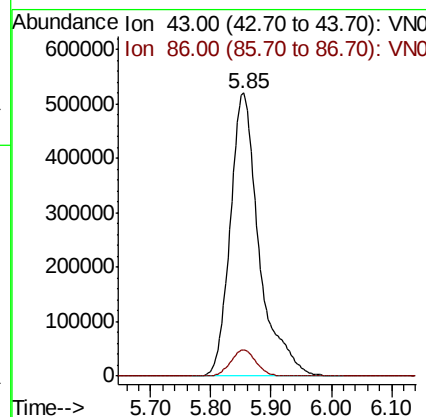
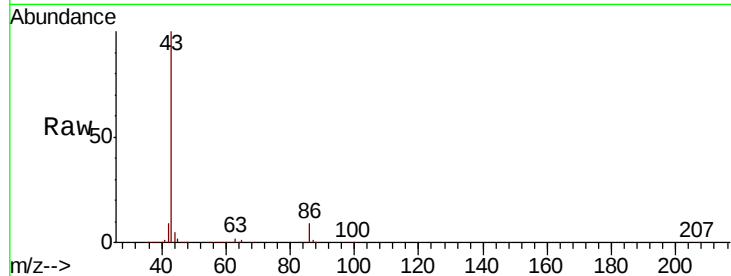
#23
 Vinyl Acetate
 Concen: 241.788 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1735466
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.6 11.4

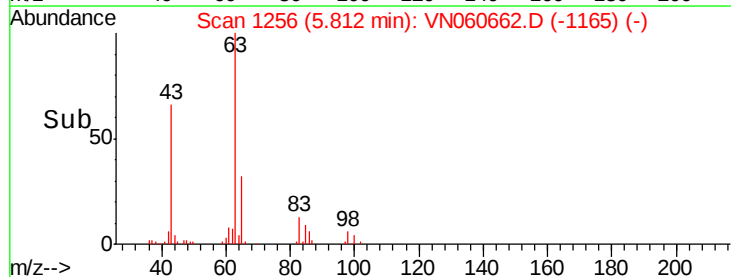
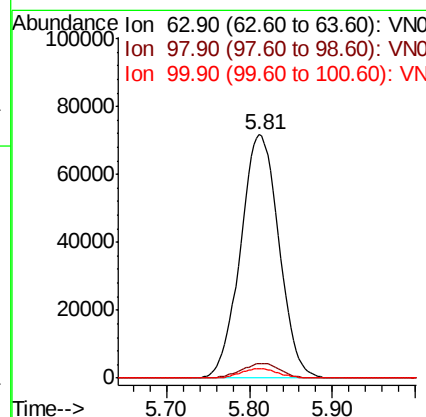
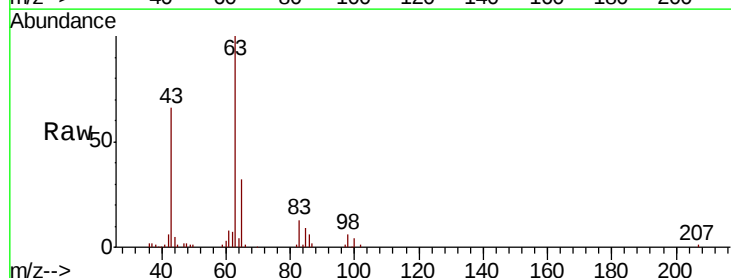
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 48.184 ug/l
 RT: 5.81 min Scan# 1256
 Delta R.T. -0.01 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Tgt Ion: 63 Resp: 231075
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.7
 100 3.8 1.8 5.5





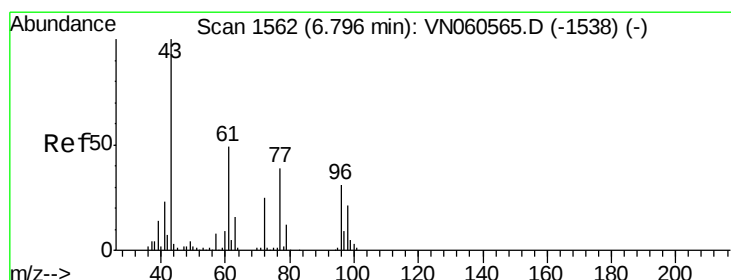
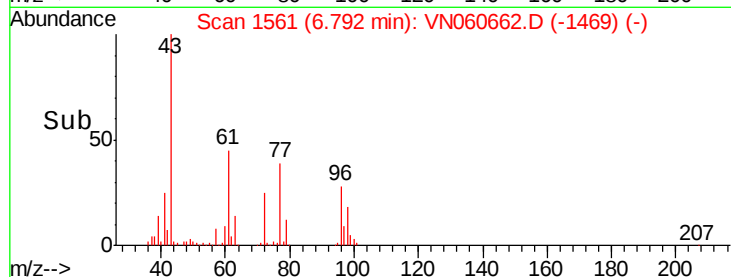
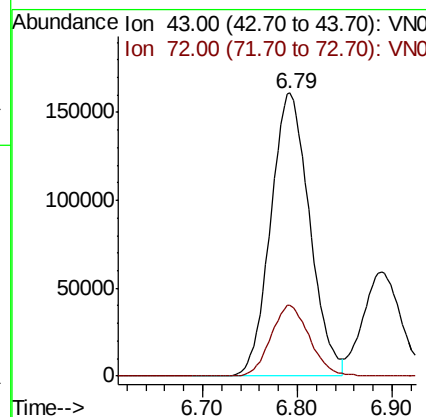
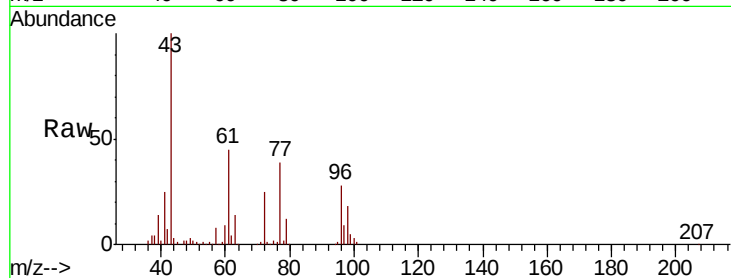
#25
2-Butanone
Concen: 267.233 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 459802
Ion Ratio Lower Upper
43 100
72 25.0 20.4 30.6

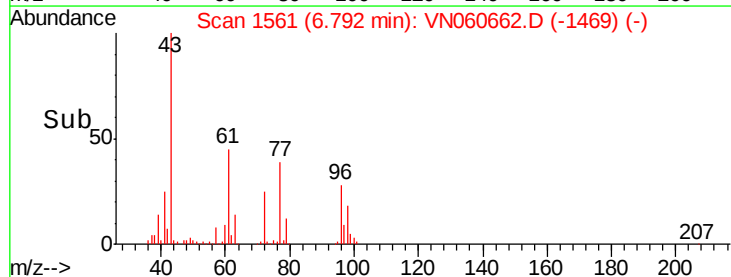
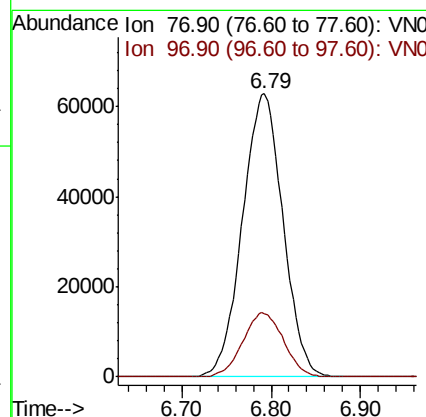
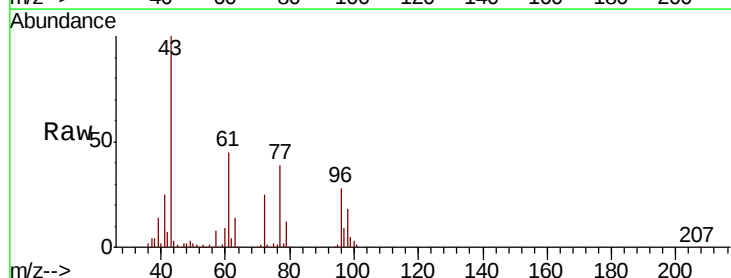
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 52.636 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion: 77 Resp: 198606
Ion Ratio Lower Upper
77 100
97 22.7 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 47.667 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

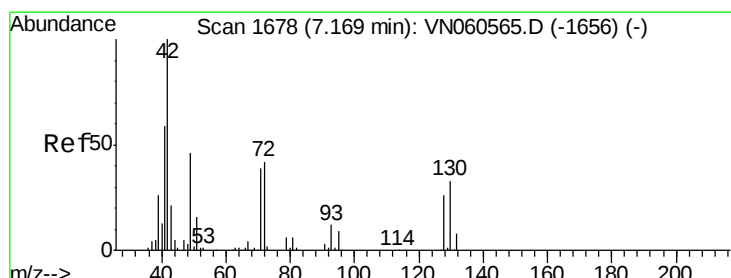
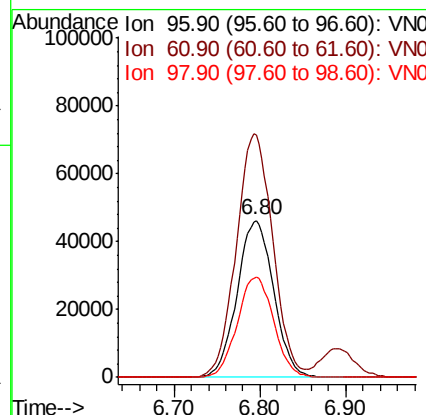
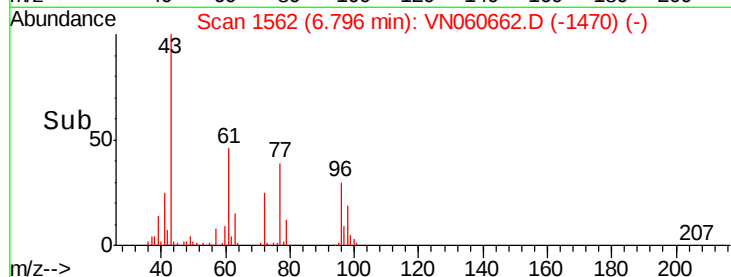
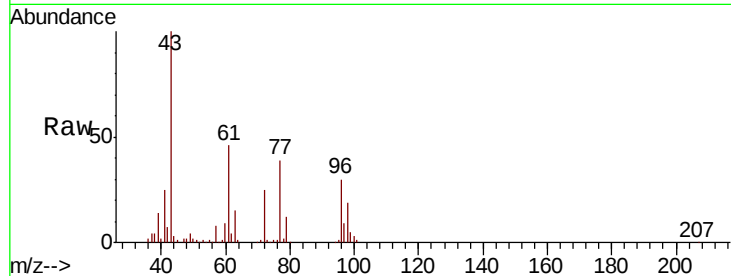
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	136676
Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	305.6
98	63.6	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 54.517 ug/l

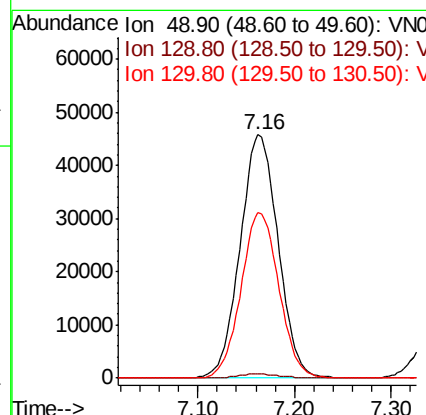
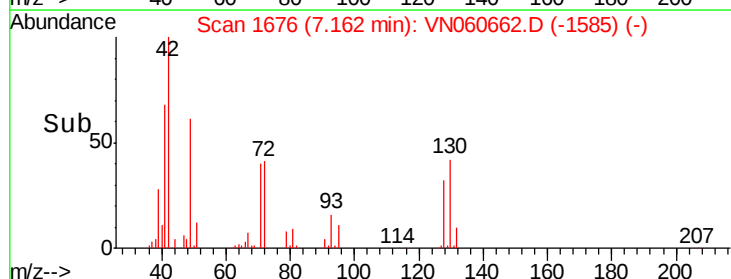
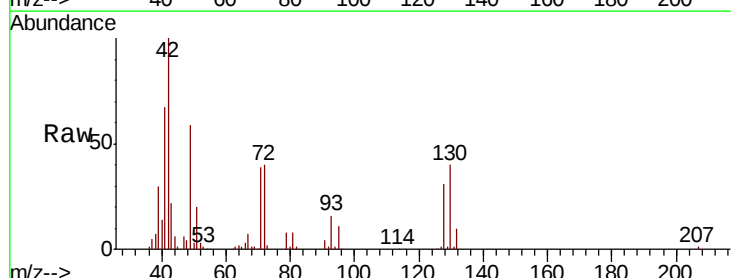
RT: 7.16 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Tgt Ion:	49	Resp:	125088
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	67.8	55.0	82.4





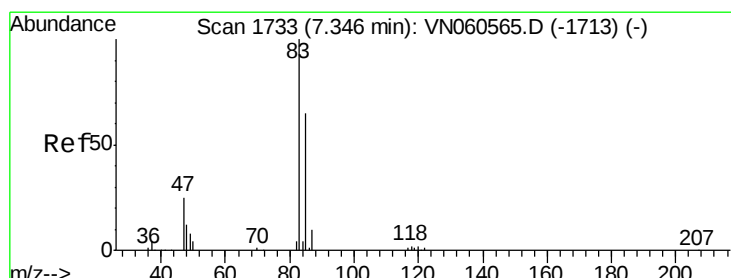
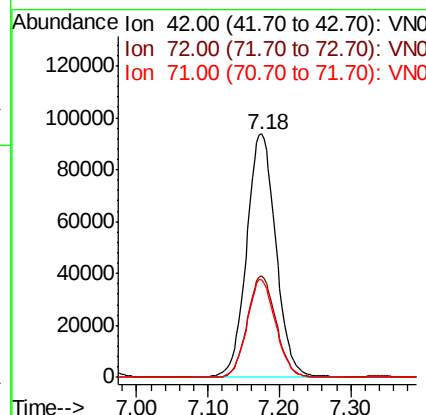
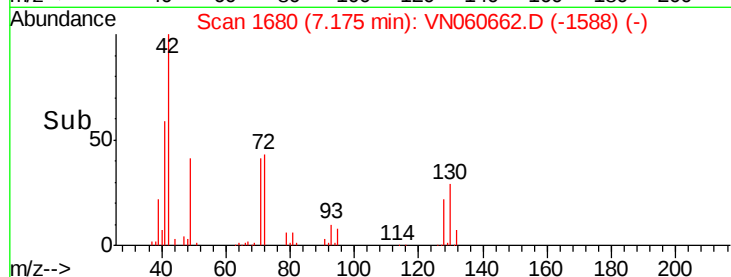
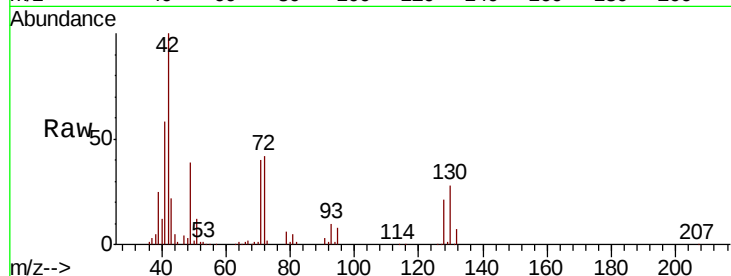
#29
Tetrahydrofuran
Concen: 220.070 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.2	49.8
71	39.1	31.1	46.7

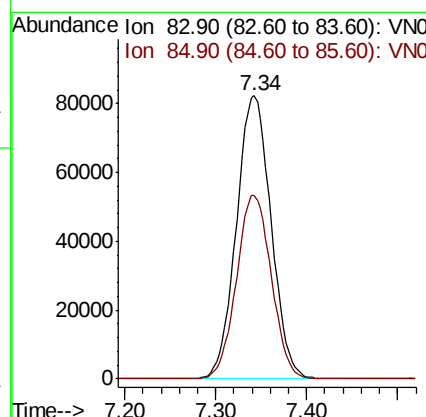
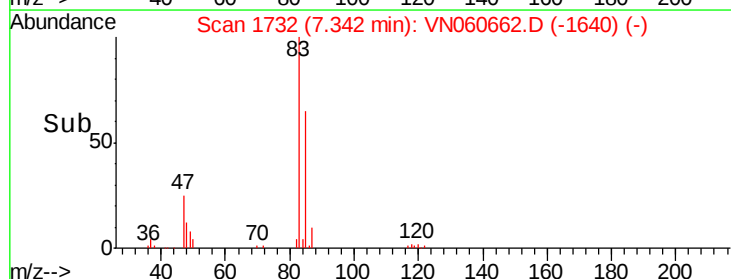
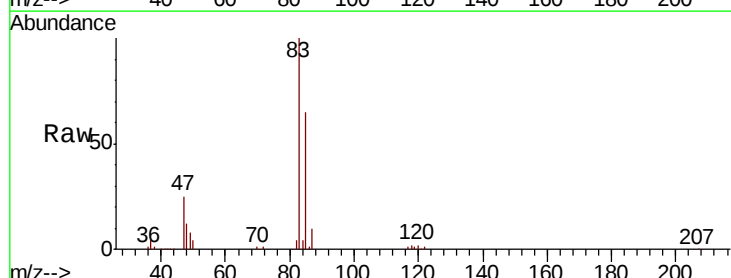
Manual Integrations
APPROVED

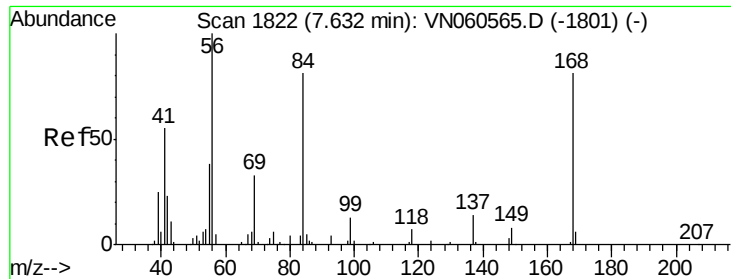
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#30
Chloroform
Concen: 47.383 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.8	77.8





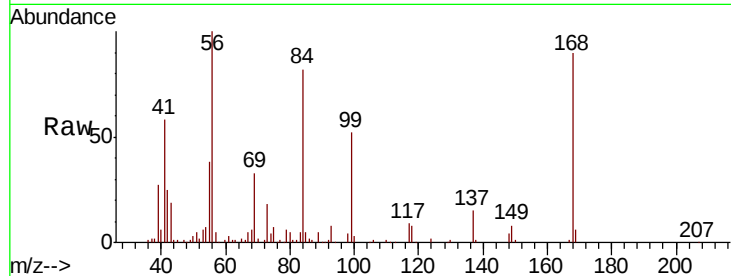
#31
Cyclohexane
Concen: 45.312 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

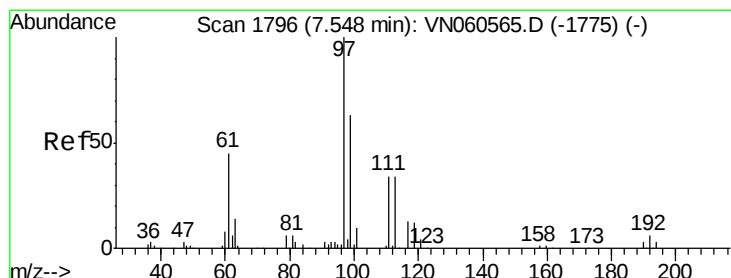
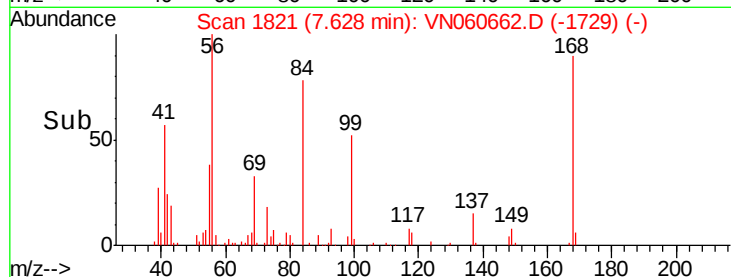
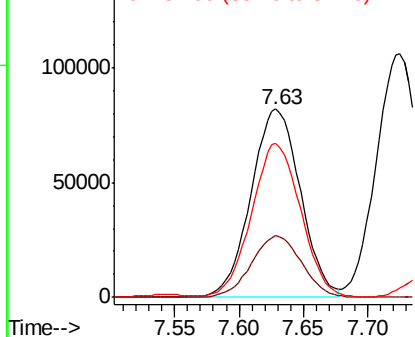
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	26.6	40.0
84	80.8	64.3	96.5

Manual Integrations
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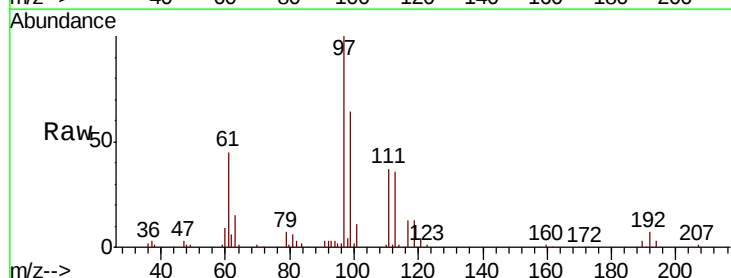


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

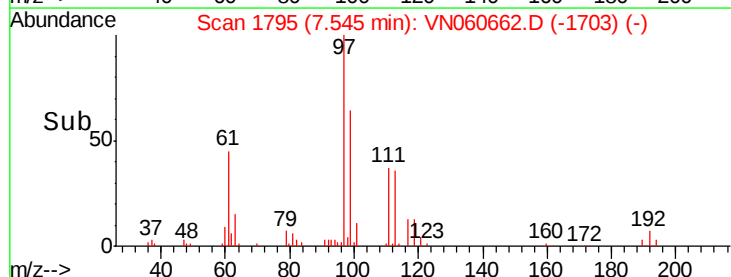
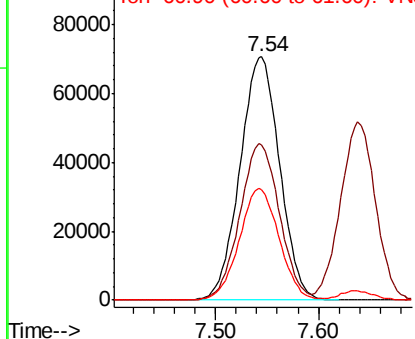


#32
1,1,1-Trichloroethane
Concen: 47.643 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.6	75.8
61	46.1	36.2	54.4



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 46.514 ug/l

RT: 8.00 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 139626

Ion Ratio Lower Upper

65 100

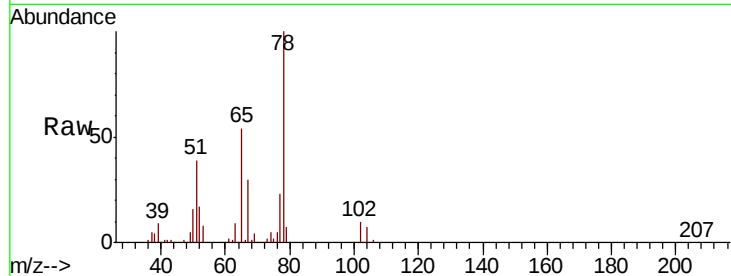
67 54.0 0.0 107.6

Manual Integrations

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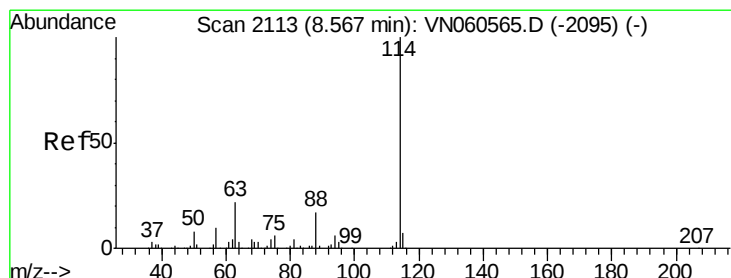
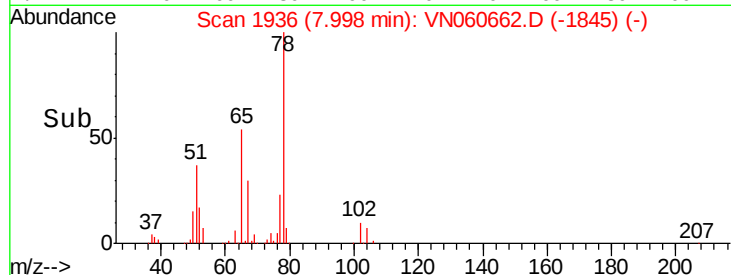
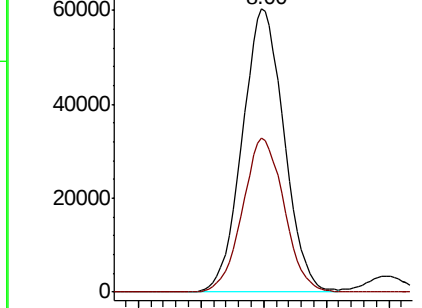
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Abundance Ion 64.90 (64.60 to 65.60): VN060565.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060565.D (-1920) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

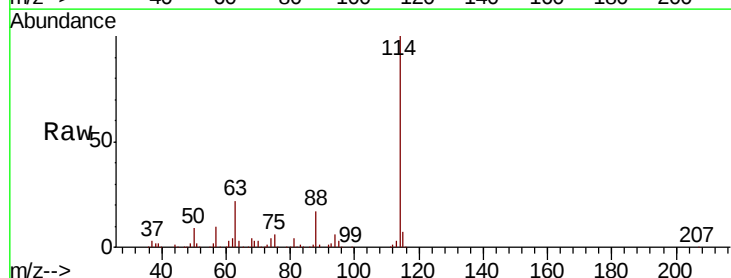
Tgt Ion: 114 Resp: 350491

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.8

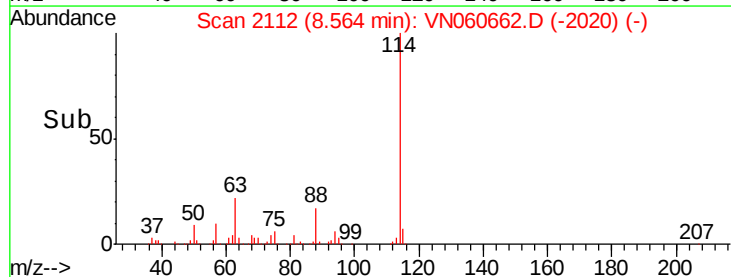
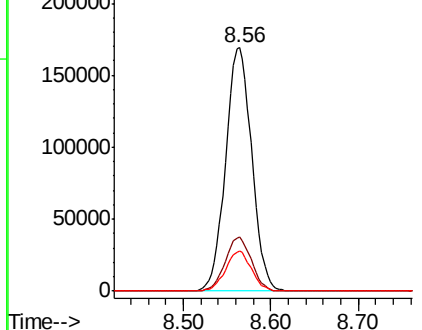
88 16.5 0.0 33.0

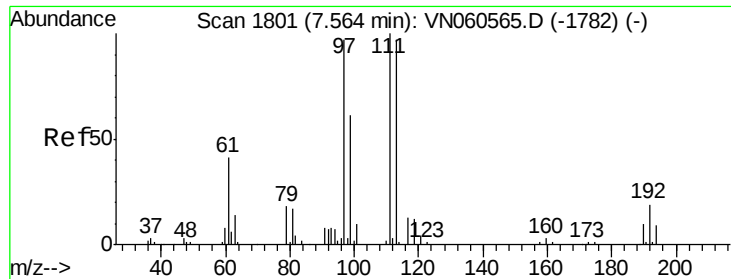


Abundance Ion 113.90 (113.60 to 114.60): VN060565.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN060565.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN060565.D (-2095) (-)





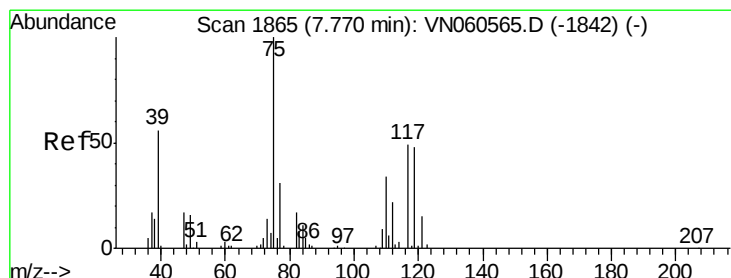
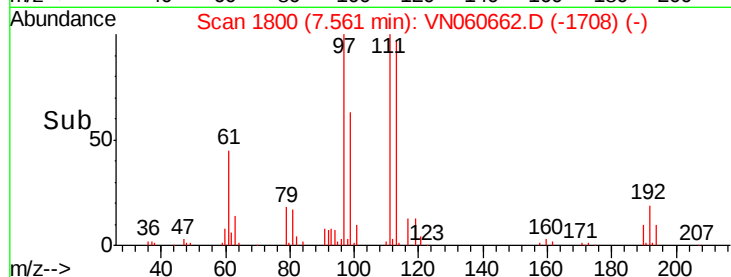
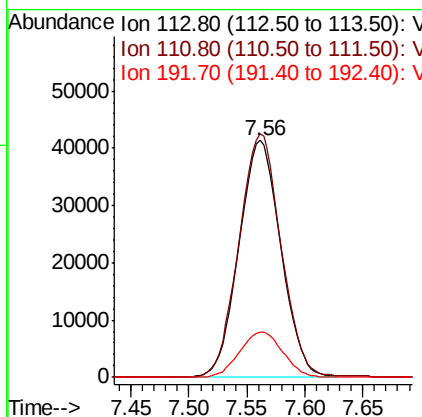
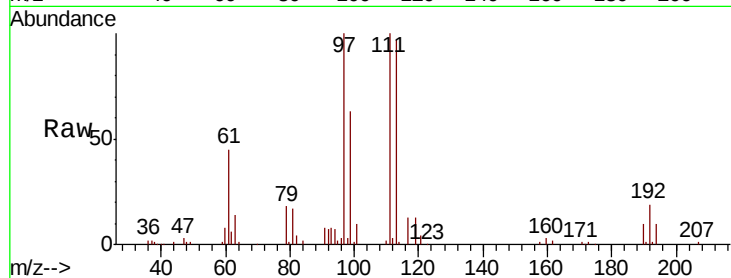
#35
Dibromofluoromethane
Concen: 49.103 ug/l
RT: 7.56 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104065		
111	103.6	82.9	124.3	
192	19.7	15.8	23.8	

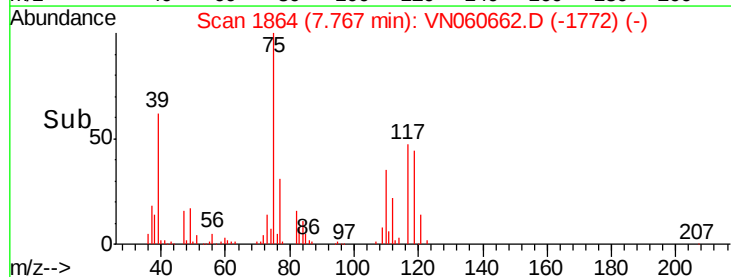
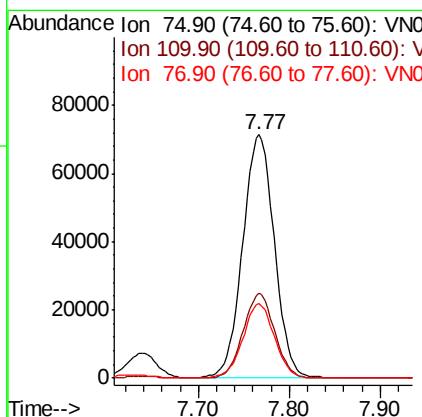
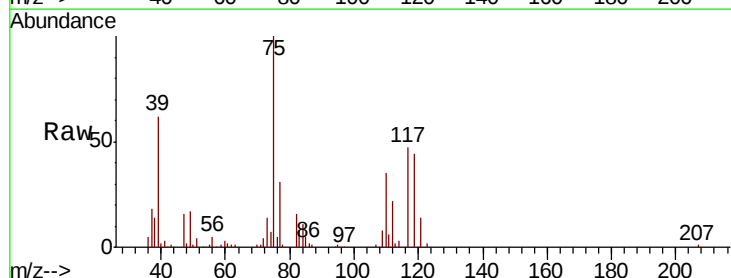
Manual Integrations
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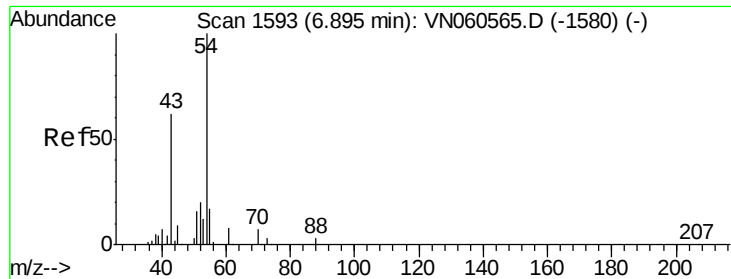
MMDadoda
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#36
1,1-Dichloropropene
Concen: 50.970 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	172983		
110	34.3	16.9	50.6	
77	30.5	24.6	36.8	





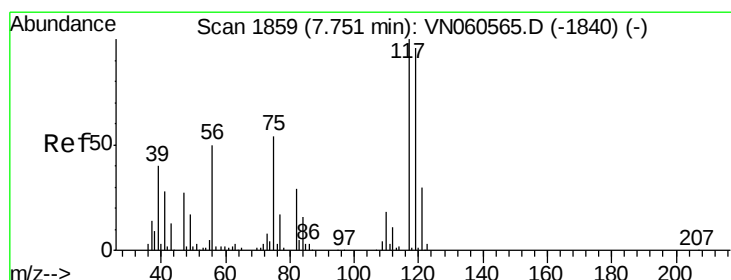
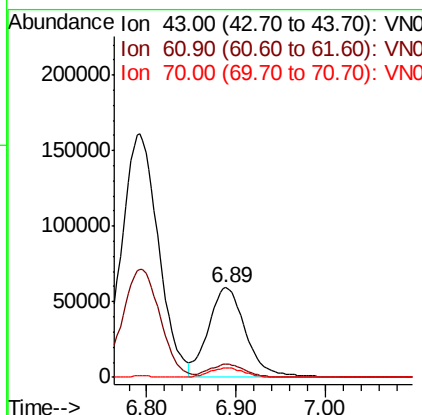
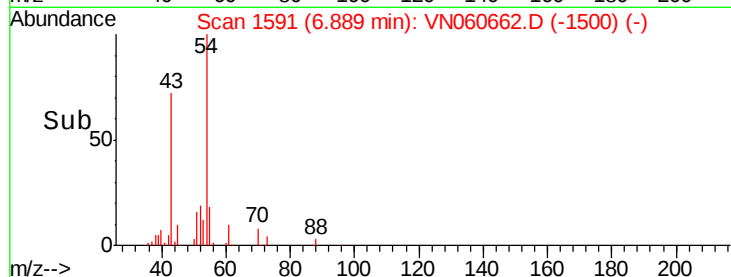
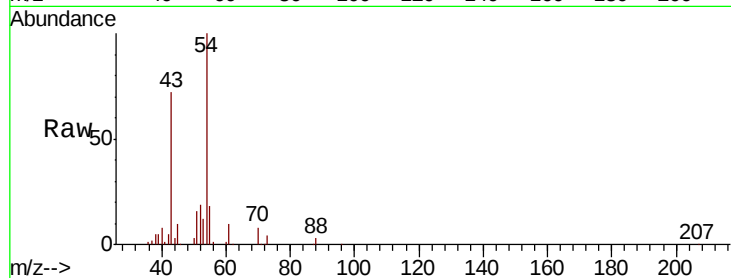
#37
Ethyl Acetate
Concen: 46.503 ug/l
RT: 6.89 min Scan# 1591
Delta R.T. -0.01 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	10.6	15.8
70	10.0	7.9	11.9

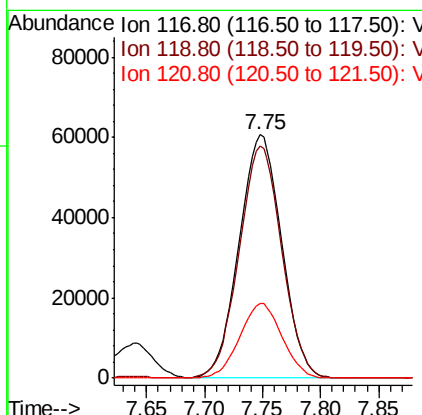
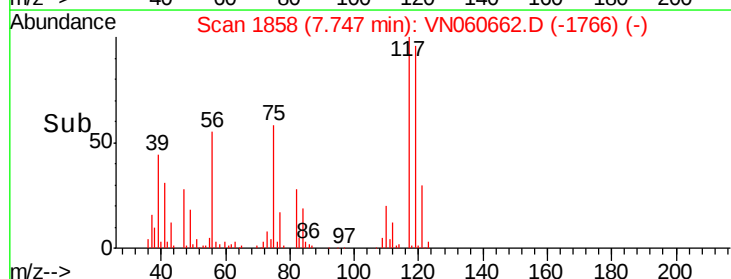
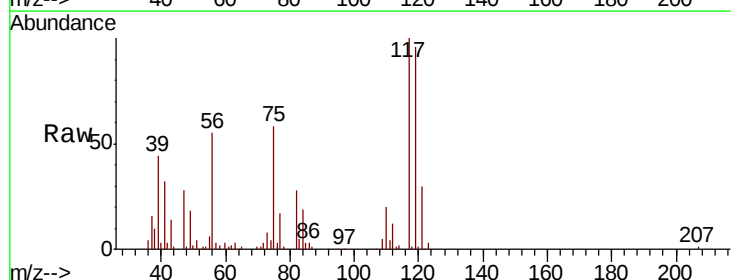
Manual Integrations
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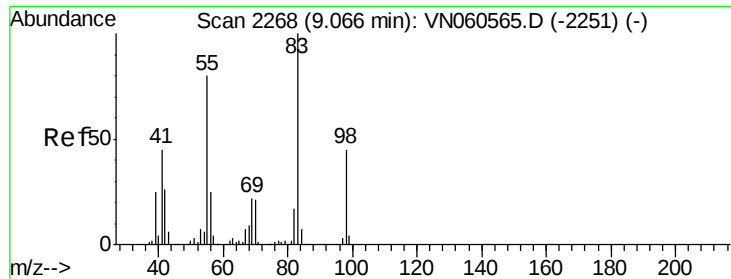
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#38
Carbon Tetrachloride
Concen: 50.908 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.2	114.2
121	30.4	23.7	35.5





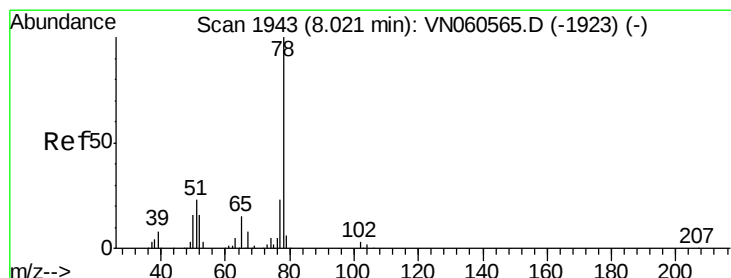
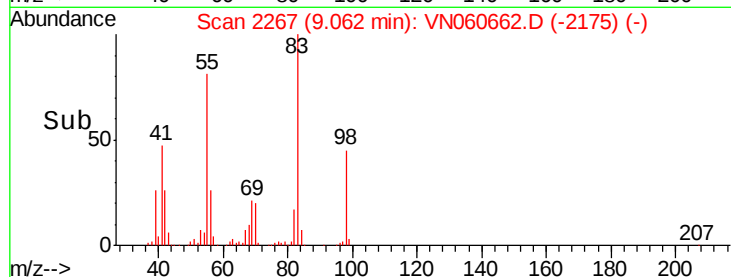
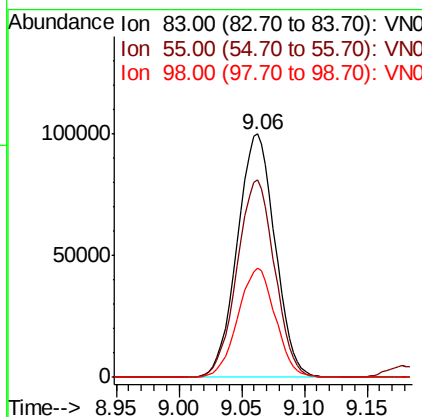
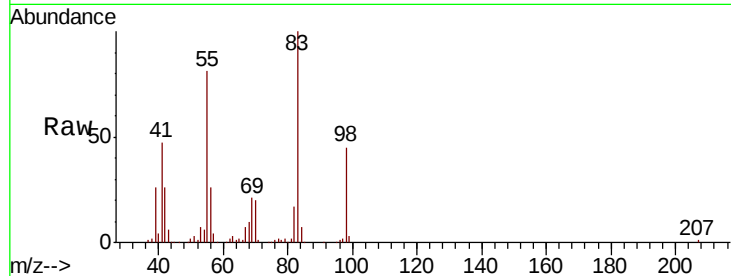
#39
Methvlcvclohexane
Concen: 51.874 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	209214		
55	81.1		63.6	95.4
98	44.9		36.0	54.0

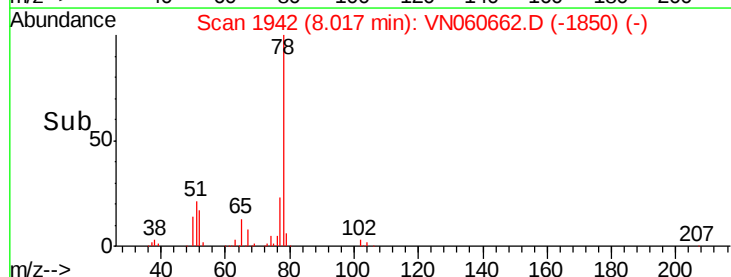
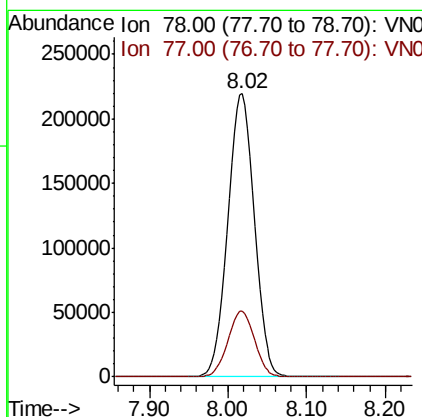
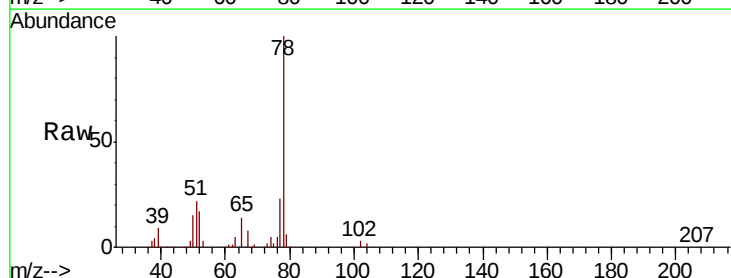
Manual Integrations
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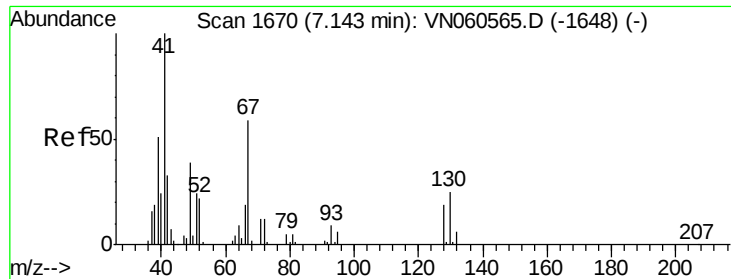
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#40
Benzene
Concen: 50.110 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	513388		
77	23.4		18.6	28.0





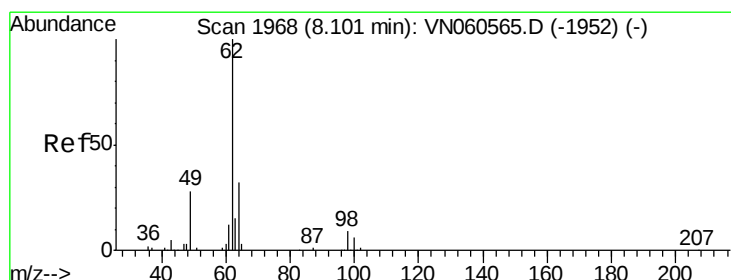
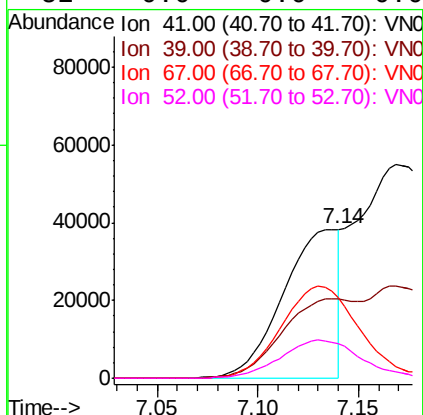
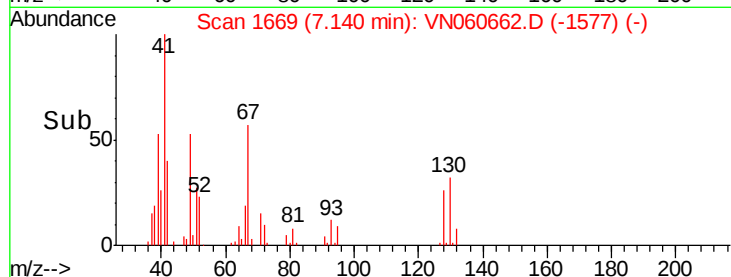
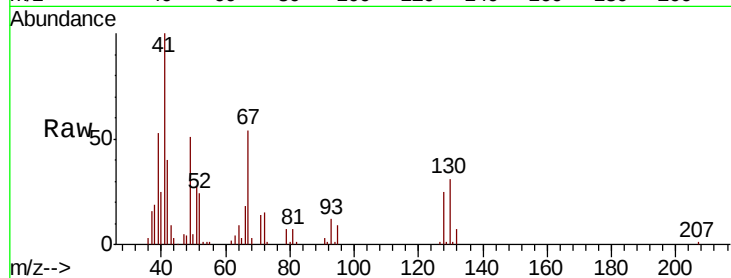
#41
Methacrylonitrile
Concen: 46.439 ug/l m
RT: 7.14 min Scan# 1669
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	72678
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

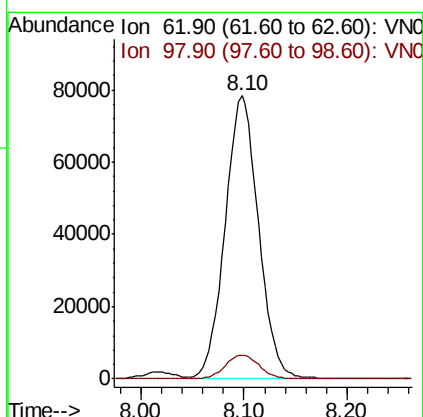
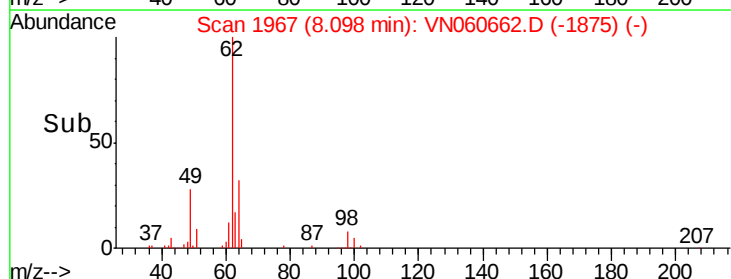
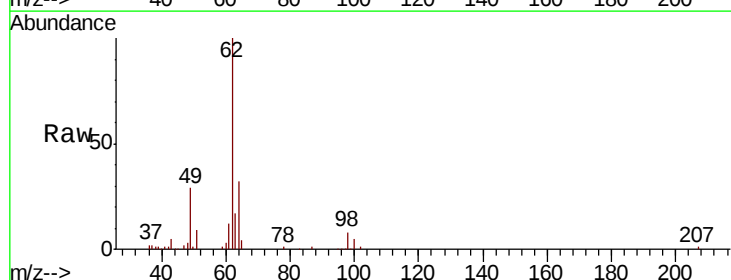
Manual Integrations
APPROVED

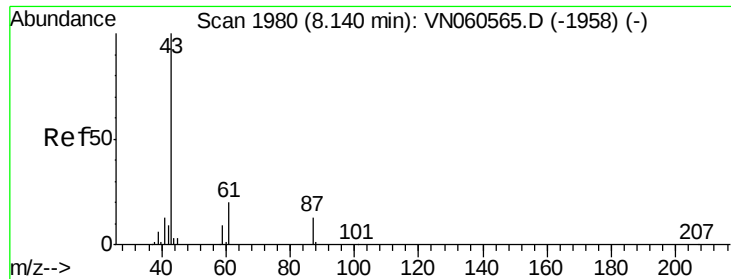
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#42
1,2-Dichloroethane
Concen: 50.499 ug/l
RT: 8.10 min Scan# 1967
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	62	Resp	176814
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	17.8





#43

Isopropyl Acetate

Concen: 47.925 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

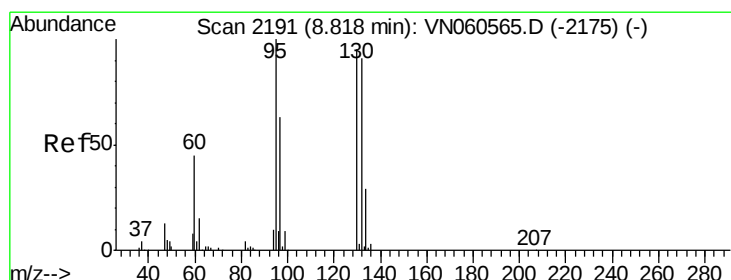
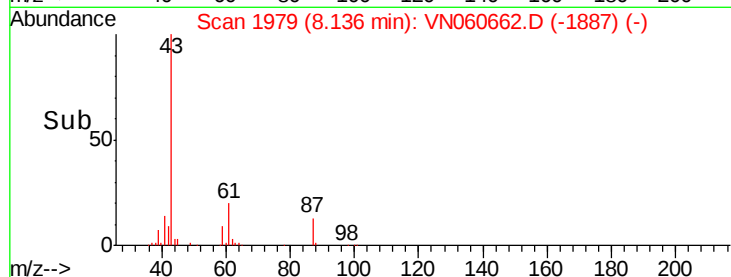
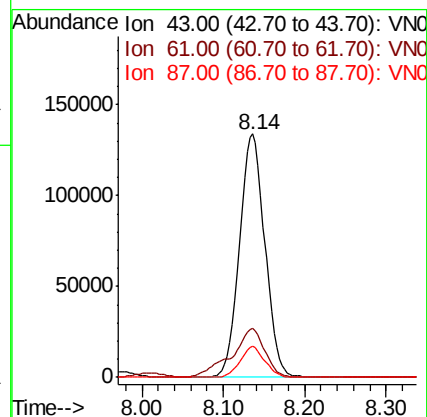
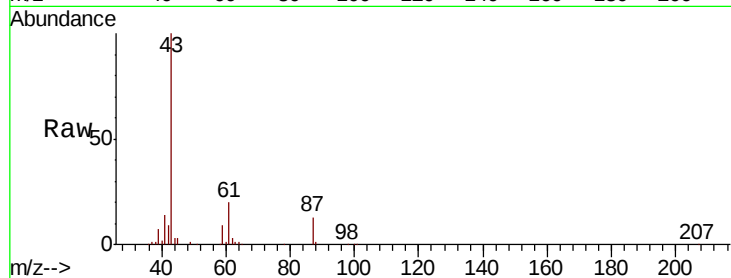
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	289838
Ion	Ratio	Lower	Upper
43	100		
61	26.1	20.7	31.1
87	12.2	9.8	14.8

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#44

Trichloroethene

Concen: 51.583 ug/l

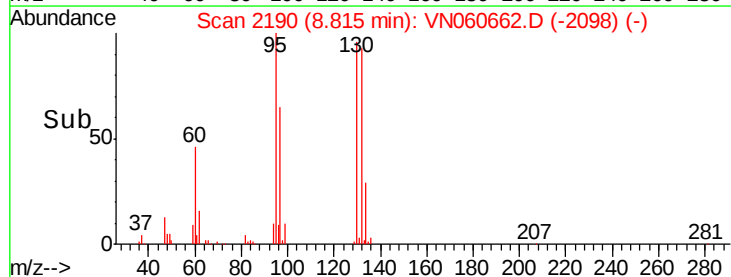
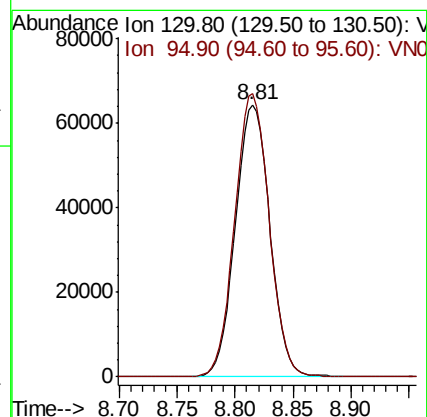
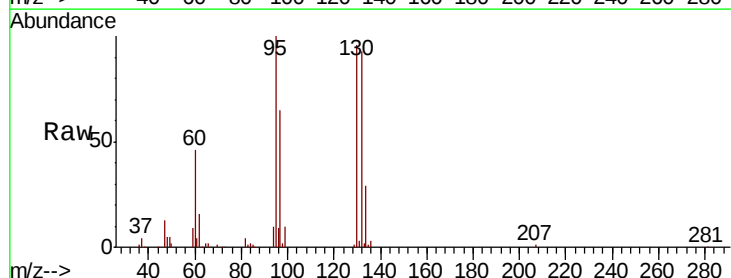
RT: 8.81 min Scan# 2190

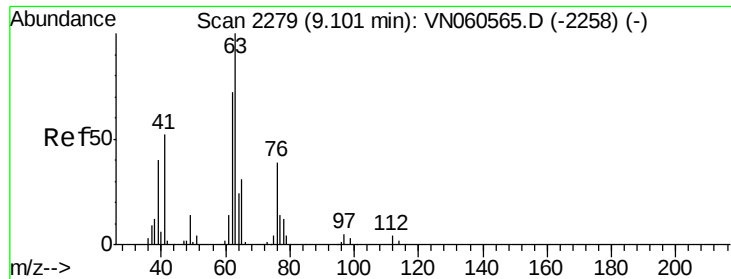
Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Tgt Ion:	130	Resp:	133222
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	211.2





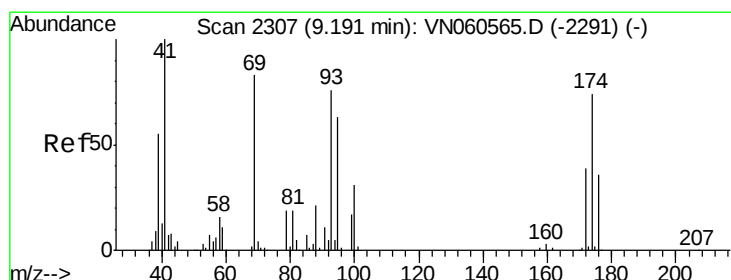
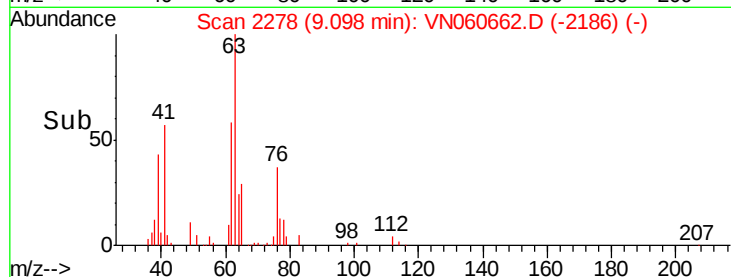
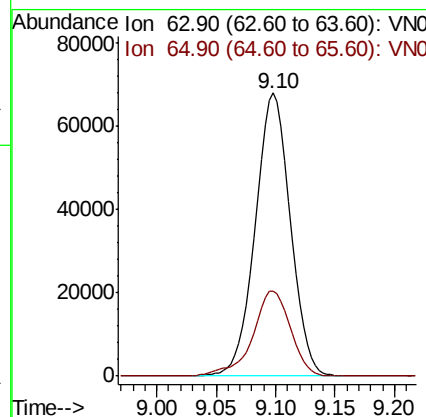
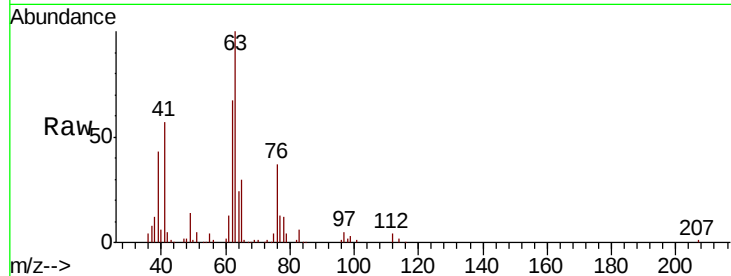
#45
 1,2-Dichloropropane
 Concen: 51.342 ug/l
 RT: 9.10 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	63	Resp	138797
Ion Ratio	Lower	Upper	
63	100		
65	30.2	25.4	38.0

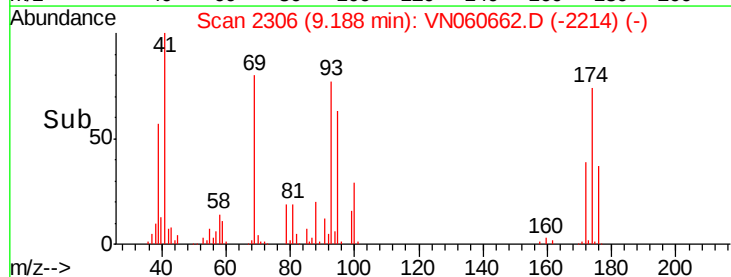
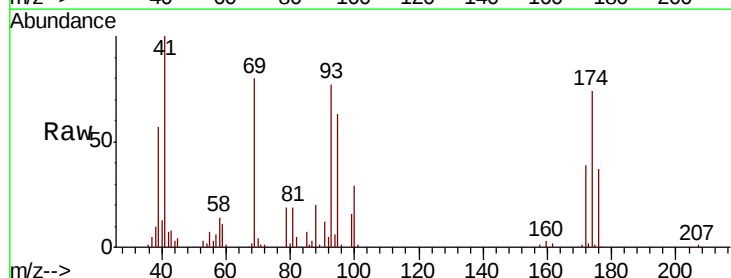
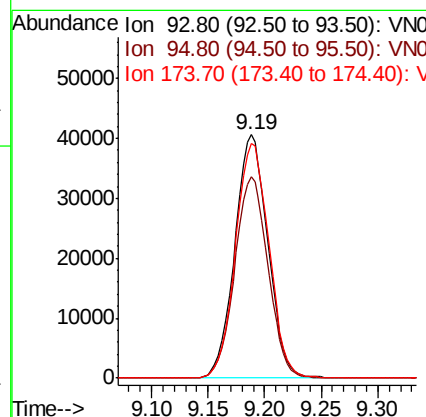
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#46
 Dibromomethane
 Concen: 50.591 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Tgt Ion	93	Resp	82684
Ion Ratio	Lower	Upper	
93	100		
95	83.3	66.2	99.4
174	97.7	77.9	116.9





#47

Bromodichloromethane

Concen: 50.361 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

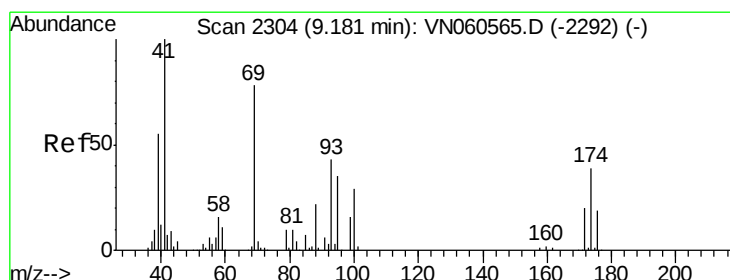
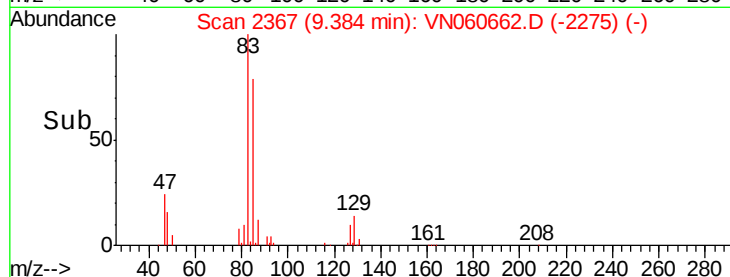
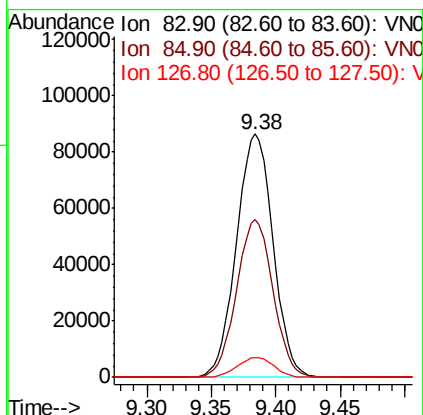
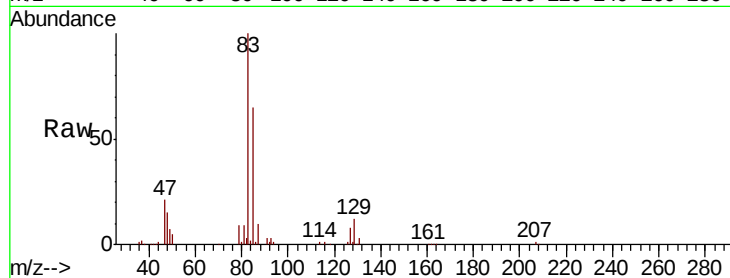
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	171036
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.8	77.6
127	8.1	6.5	9.7

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#48

Methyl methacrylate

Concen: 48.348 ug/l

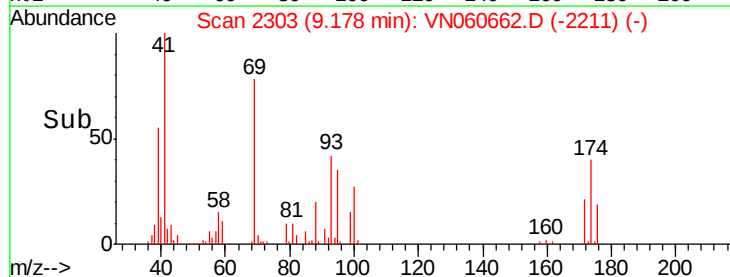
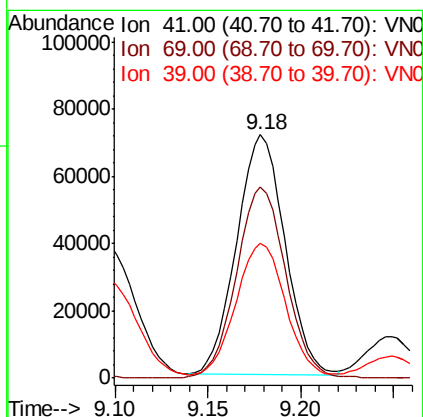
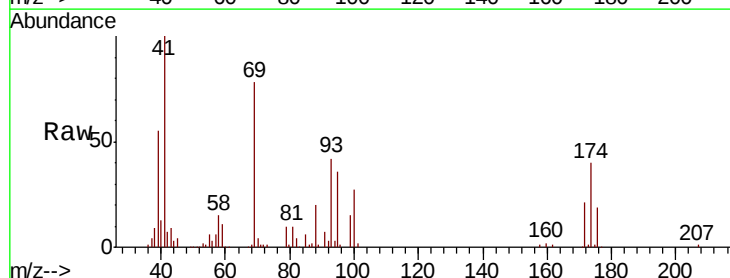
RT: 9.18 min Scan# 2303

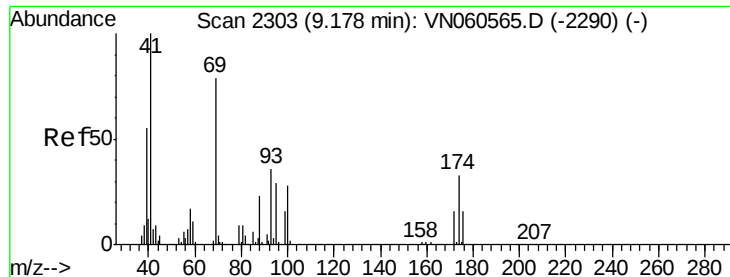
Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Tgt Ion:	41	Resp:	130184
Ion Ratio	Lower	Upper	
41	100		
69	81.5	65.4	98.0
39	55.4	44.0	66.0





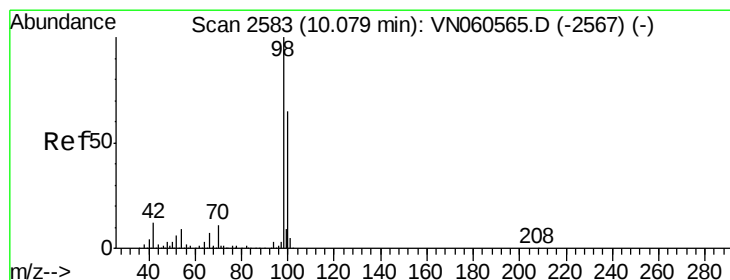
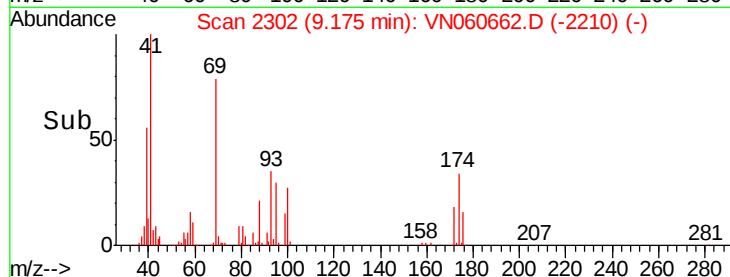
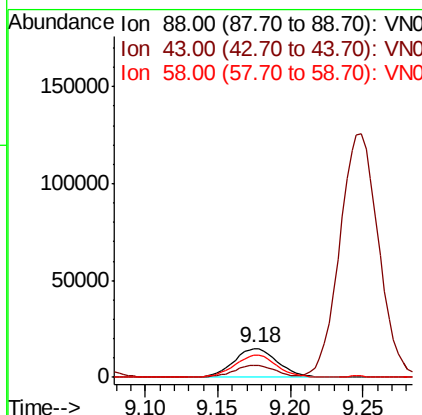
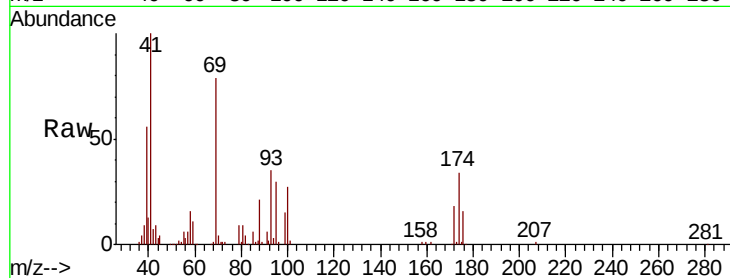
#49
1,4-Dioxane
Concen: 973.840 ug/l
RT: 9.18 min Scan# 2302
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	31168
Ion Ratio	Lower	Upper	
88	100		
43	39.4	30.8	46.2
58	74.0	59.8	89.8

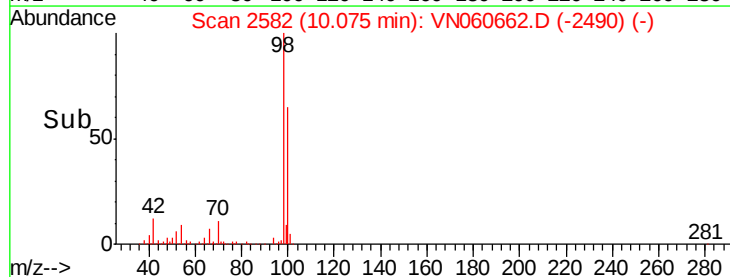
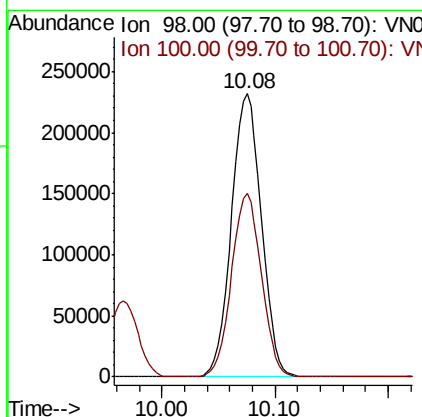
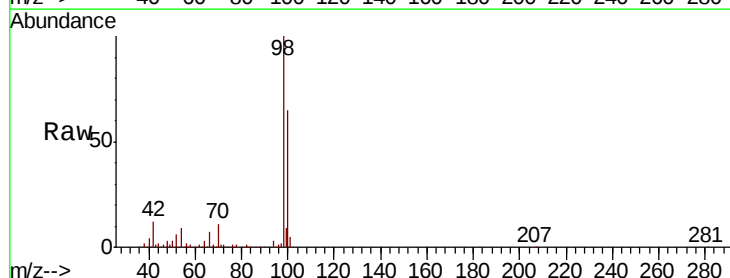
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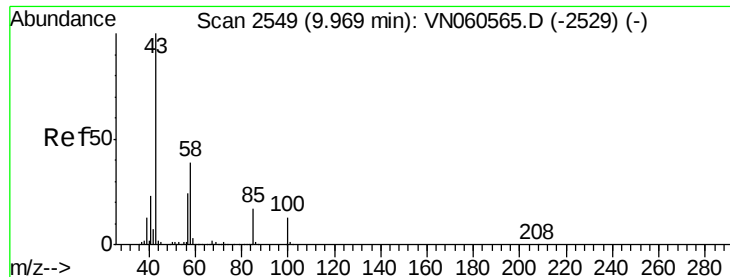
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#50
Toluene-d8
Concen: 49.407 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	98	Resp	427697
Ion Ratio	Lower	Upper	
98	100		
100	64.6	51.8	77.8





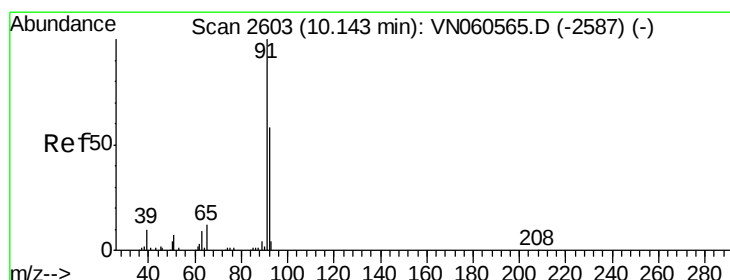
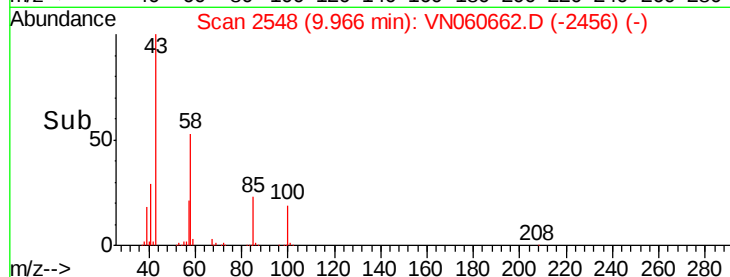
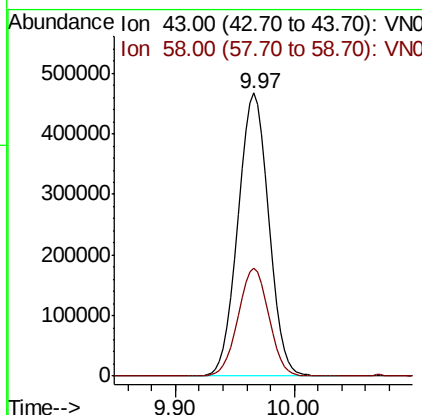
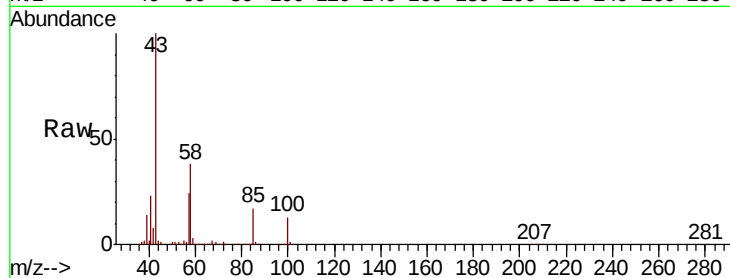
#51
4-Methyl-2-Pentanone
Concen: 243.372 ug/l
RT: 9.97 min Scan# 2548
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.8	46.2

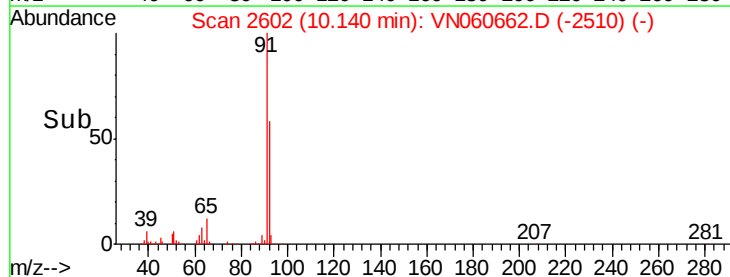
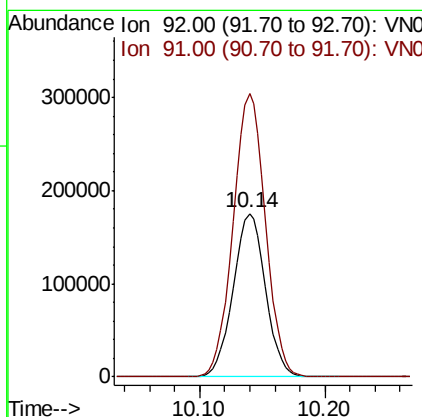
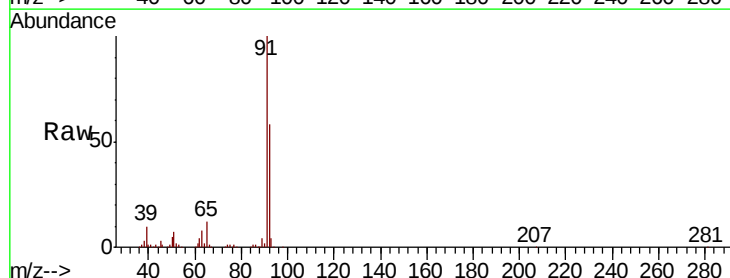
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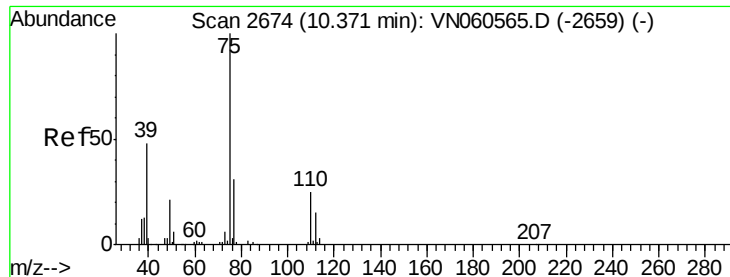
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#52
Toluene
Concen: 50.504 ug/l
RT: 10.14 min Scan# 2602
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.9	137.6	206.4





#53

t-1,3-Dichloropropene

Concen: 52.000 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 202857

Ion Ratio Lower Upper

75 100

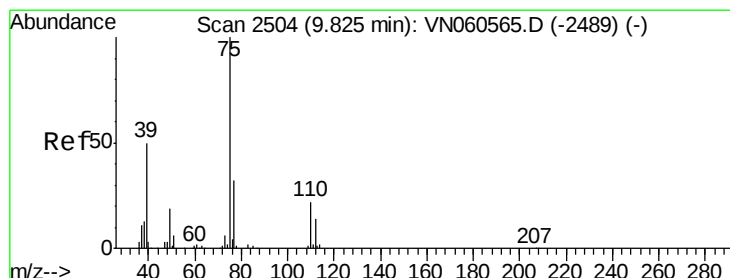
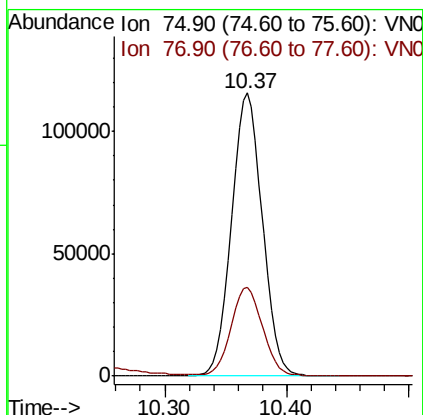
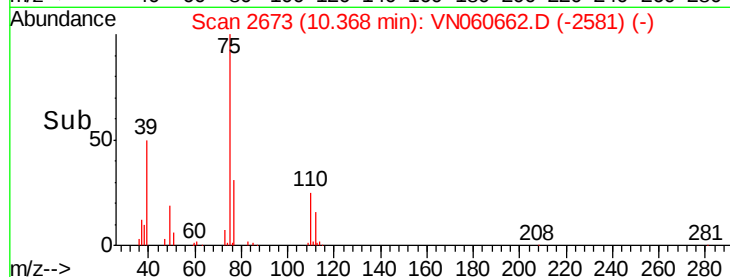
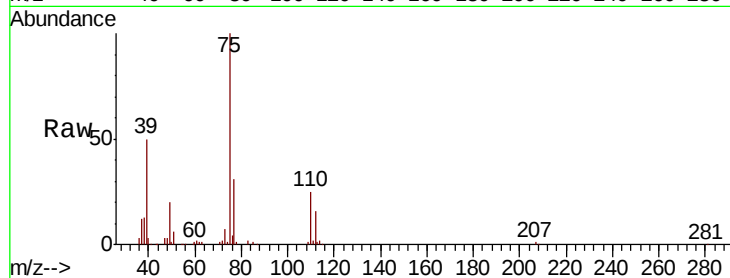
77 31.2 25.1 37.7

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#54

cis-1,3-Dichloropropene

Concen: 50.844 ug/l

RT: 9.82 min Scan# 2503

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

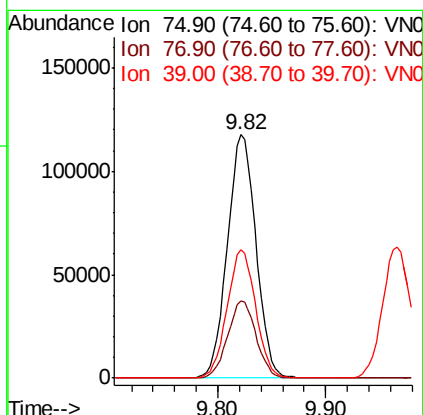
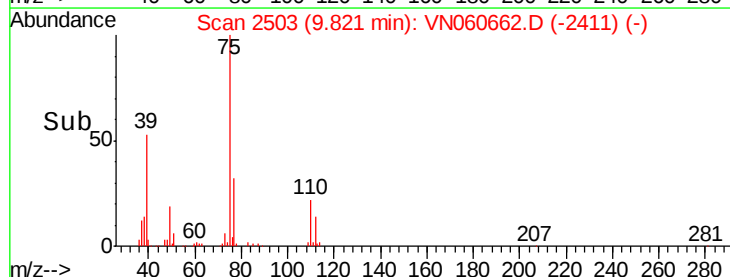
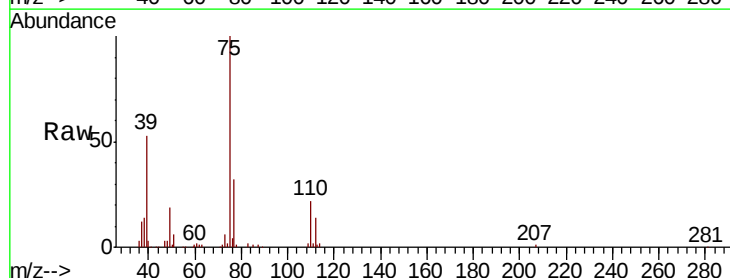
Tgt Ion: 75 Resp: 217600

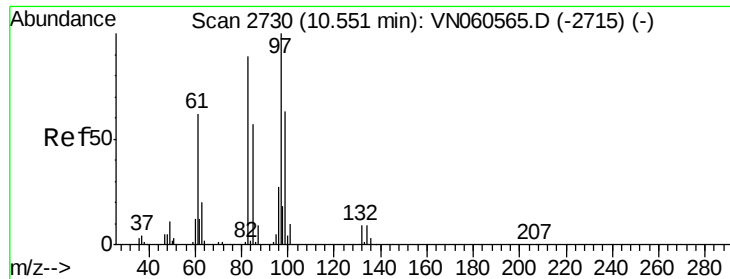
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0

39 52.9 40.2 60.4





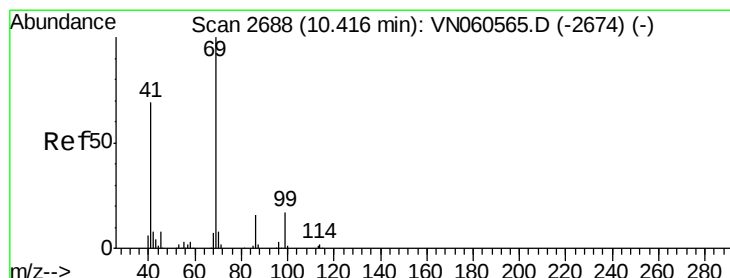
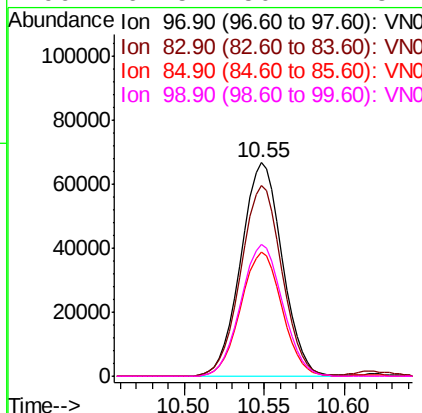
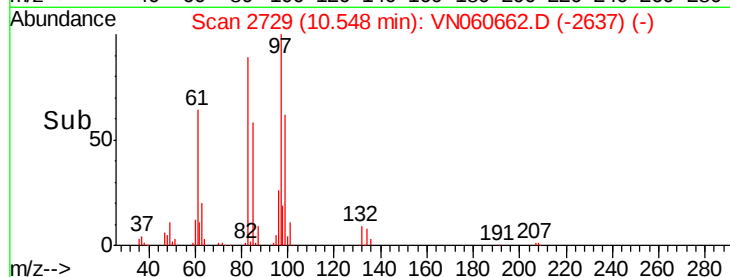
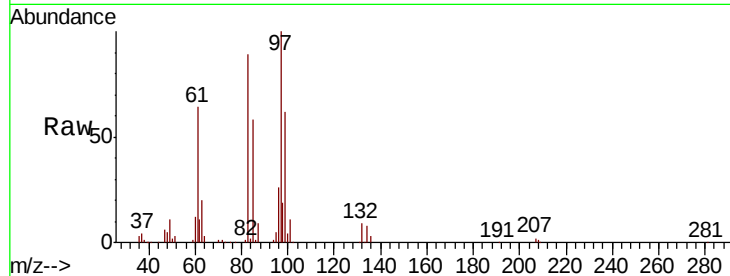
#55
 1,1,2-Trichloroethane
 Concen: 49.553 ug/l
 RT: 10.55 min Scan# 2729
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	117955
Ion	Ratio	Lower	Upper
97	100		
83	89.5	71.3	106.9
85	57.9	45.2	67.8
99	61.5	50.1	75.1

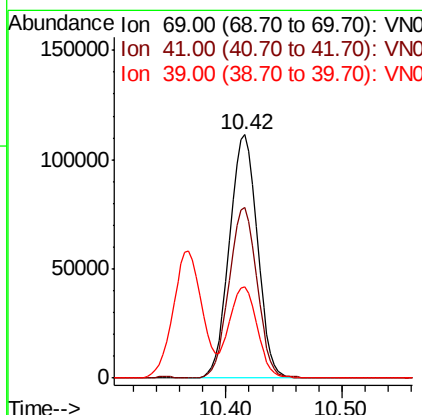
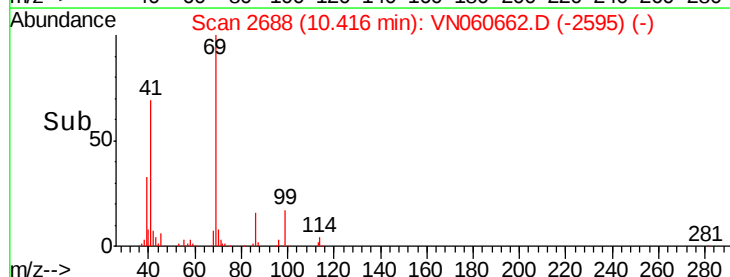
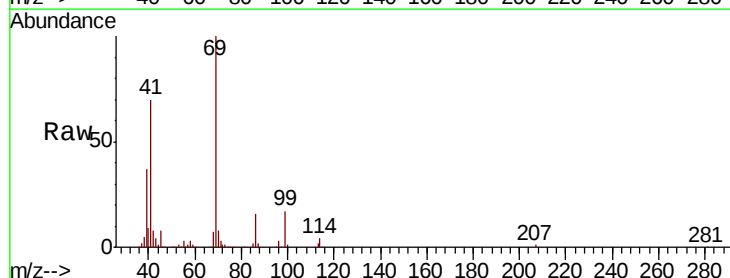
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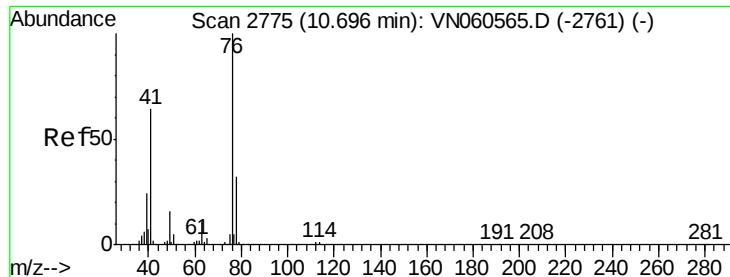
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#56
 Ethyl methacrylate
 Concen: 50.015 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Tgt Ion:	69	Resp:	185635
Ion	Ratio	Lower	Upper
69	100		
41	69.7	55.4	83.2
39	37.0	29.4	44.0





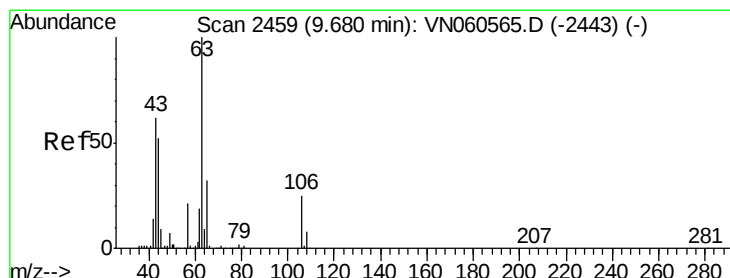
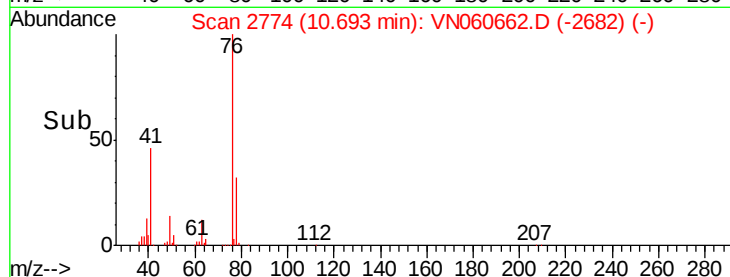
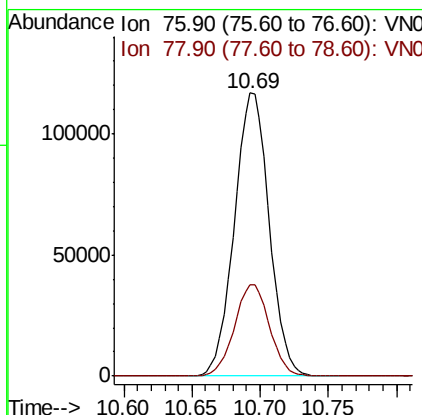
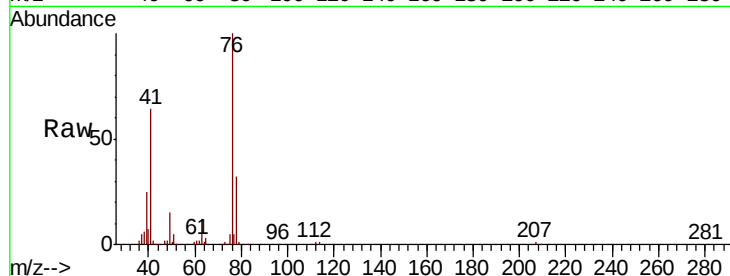
#57
 1,3-Dichloropropane
 Concen: 50.162 ug/l
 RT: 10.69 min Scan# 2774
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.8	38.6

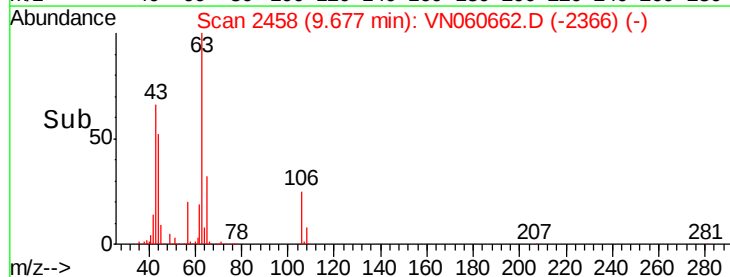
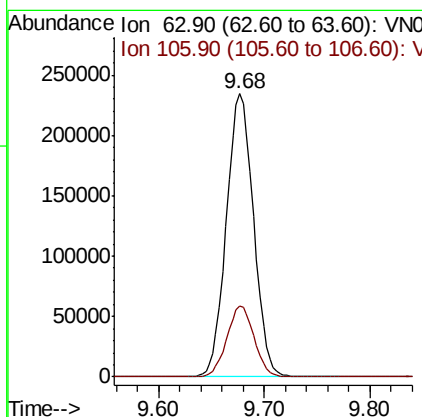
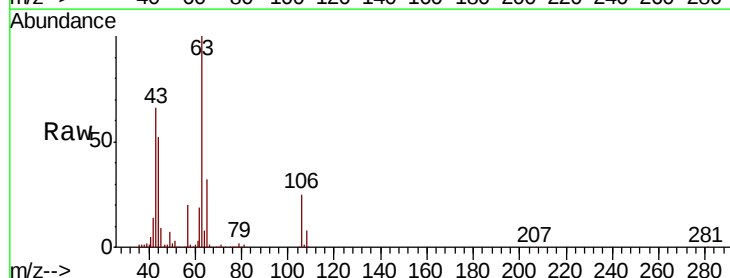
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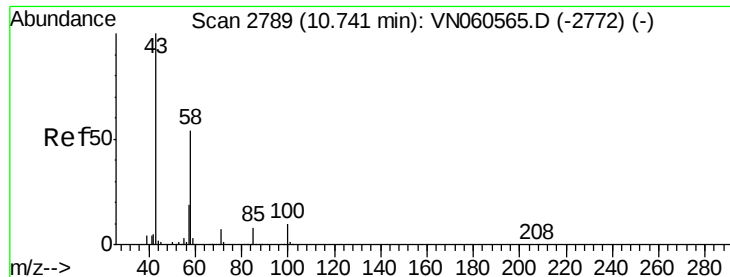
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#58
 2-Chloroethyl Vinyl ether
 Concen: 226.177 ug/l
 RT: 9.68 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	20.0	30.0





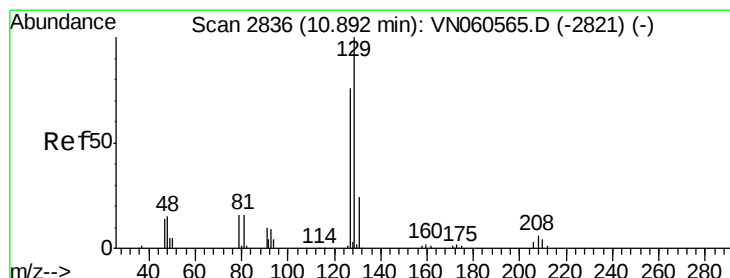
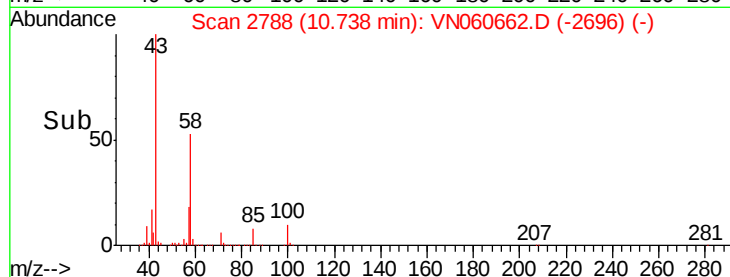
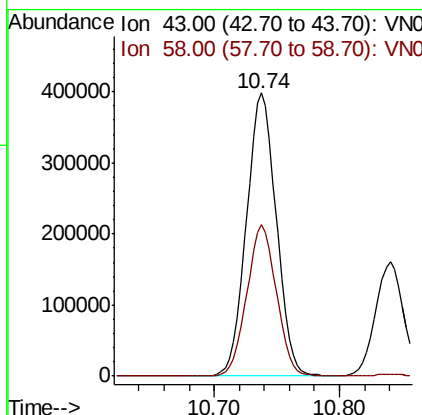
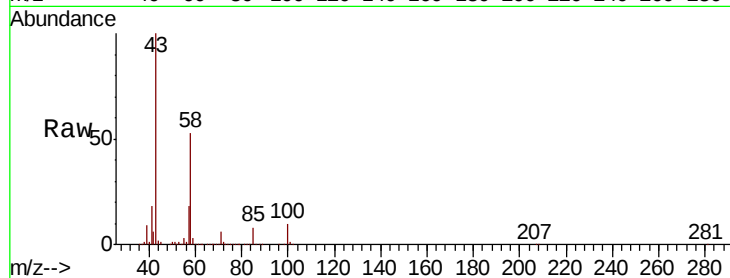
#59
2-Hexanone
Concen: 266.402 ug/l
RT: 10.74 min Scan# 2788
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 660428
Ion Ratio Lower Upper
43 100
58 53.0 26.7 80.1

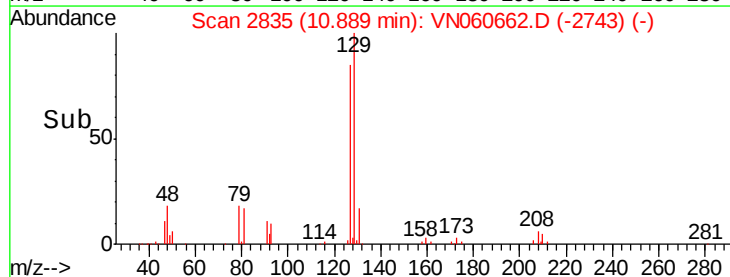
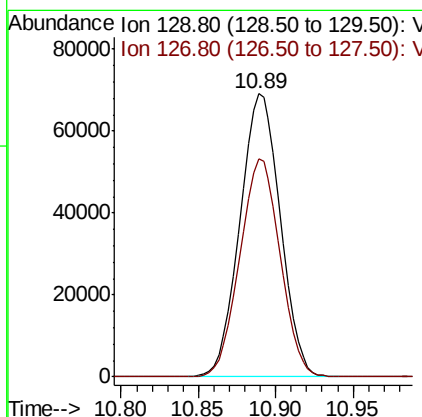
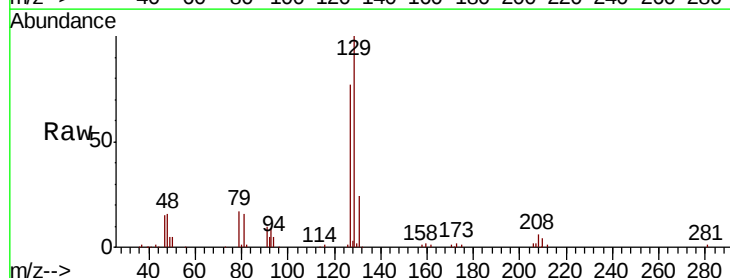
Manual Integrations
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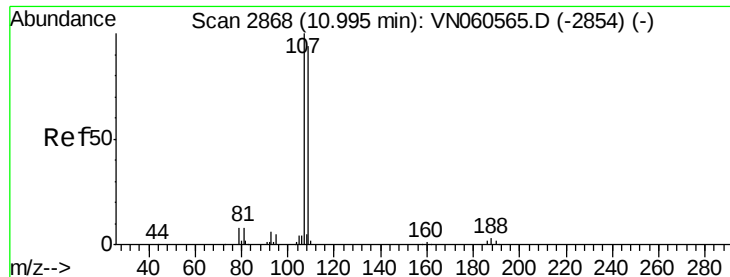
MMDadoda
3/25/2020 10:20:12 PM



#60
Dibromochloromethane
Concen: 51.041 ug/l
RT: 10.89 min Scan# 2835
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion: 129 Resp: 125499
Ion Ratio Lower Upper
129 100
127 76.9 38.5 115.5





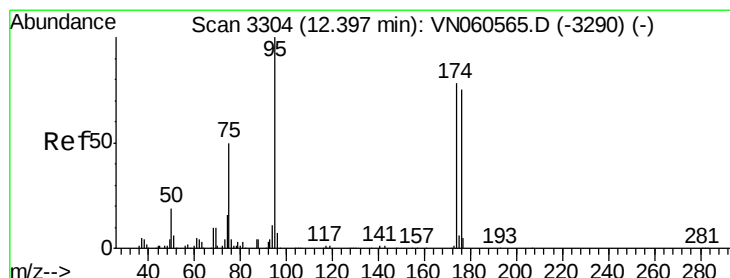
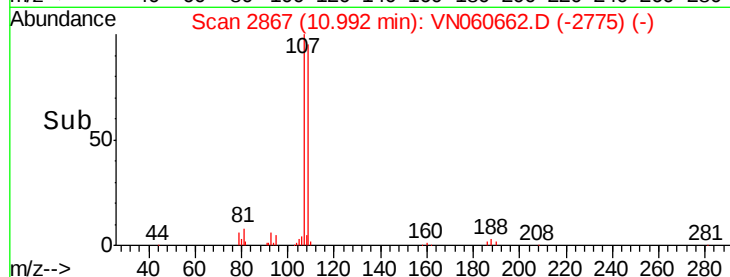
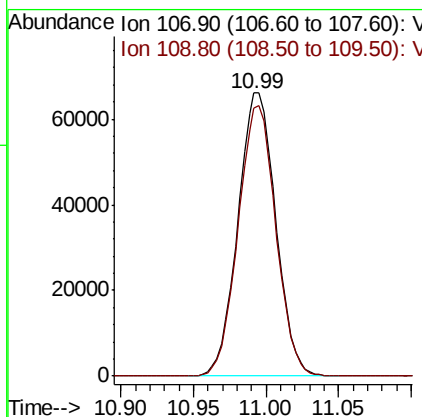
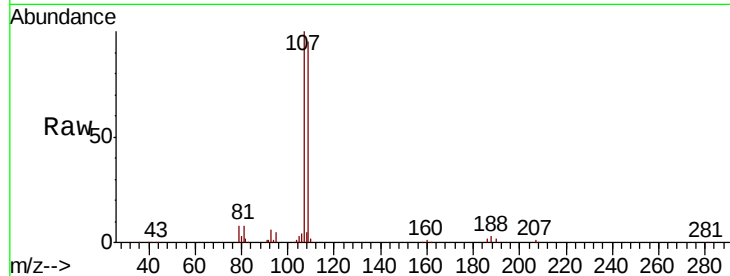
#61
 1,2-Dibromoethane
 Concen: 50.082 ug/l
 RT: 10.99 min Scan# 2867
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.4	113.2

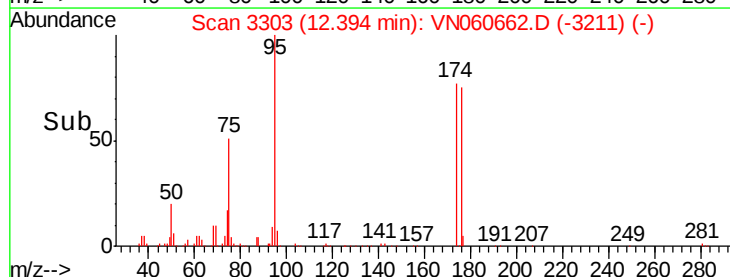
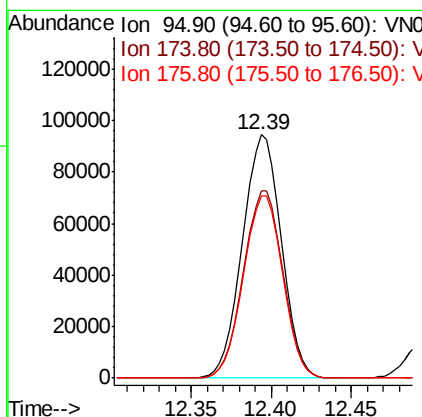
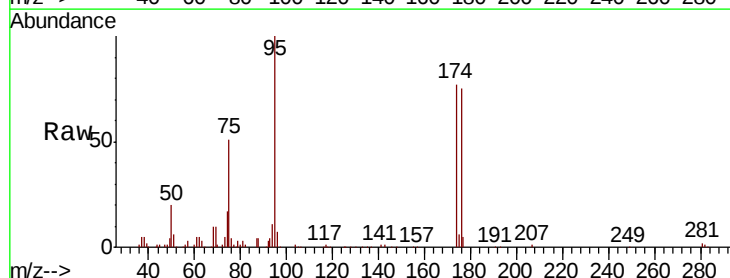
Manual Integrations
 APPROVED

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 3/25/2020 10:20:12 PM



#62
 4-Bromofluorobenzene
 Concen: 49.464 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	157.6
176	75.6	0.0	150.6





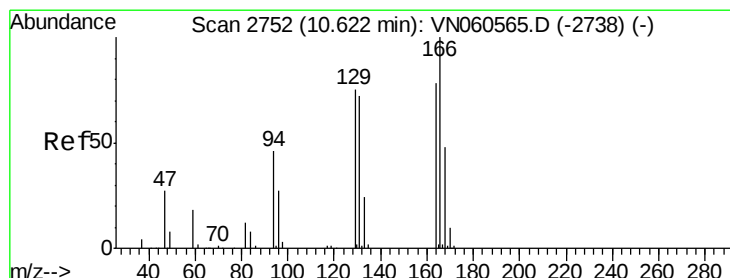
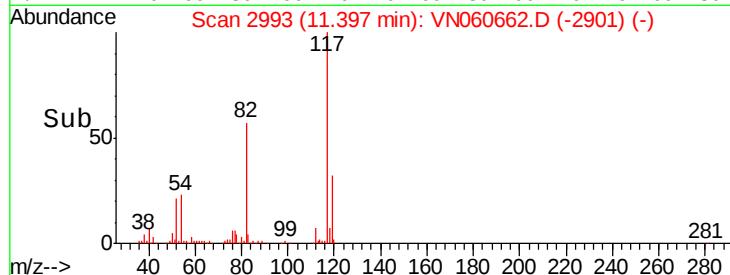
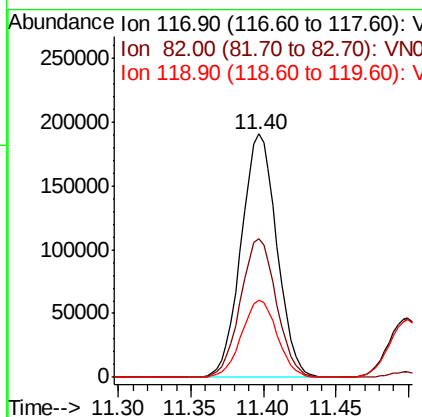
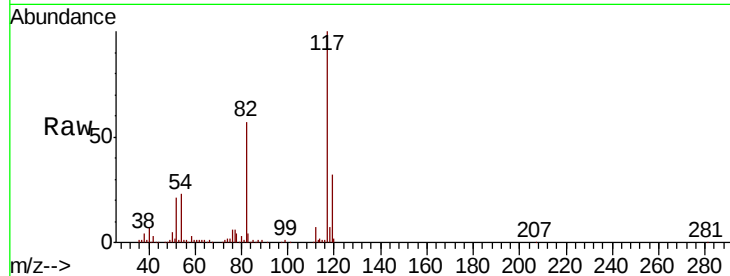
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	46.7	70.1
119	31.7	25.5	38.3

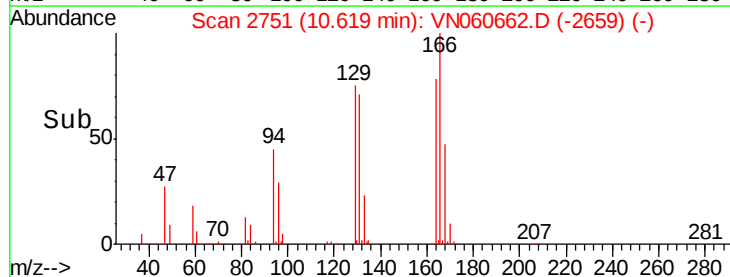
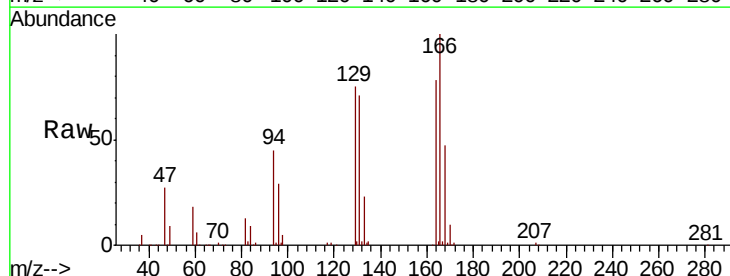
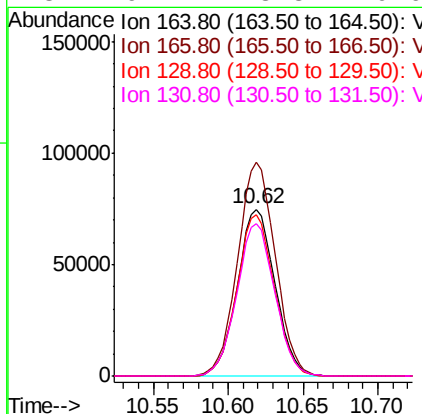
Manual Integrations
APPROVED

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#64
Tetrachloroethene
Concen: 51.178 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	102.7	154.1
129	96.5	77.2	115.8
131	91.4	73.8	110.6





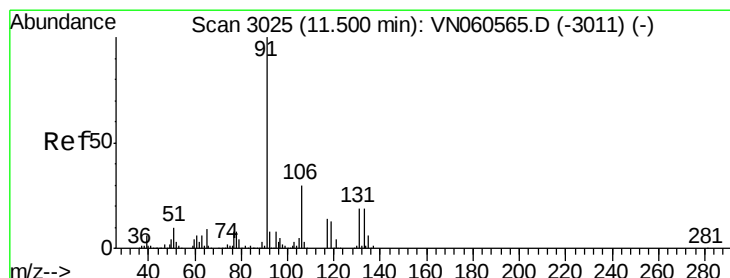
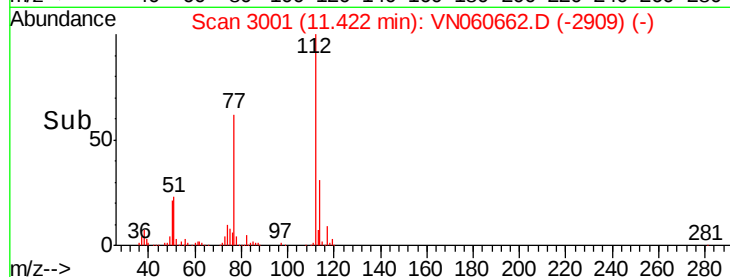
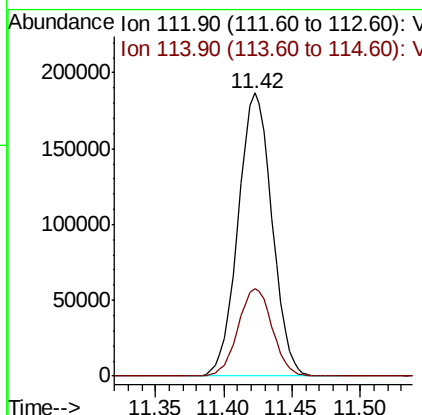
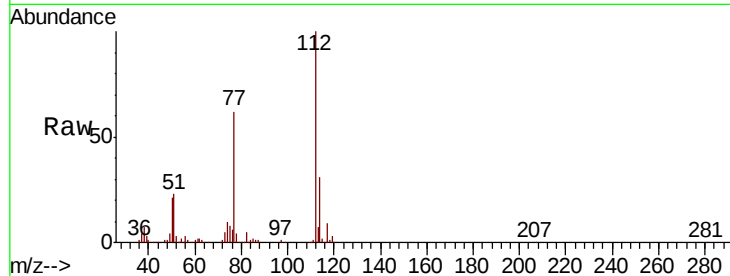
#65
Chlorobenzene
Concen: 49.923 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 322520
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6

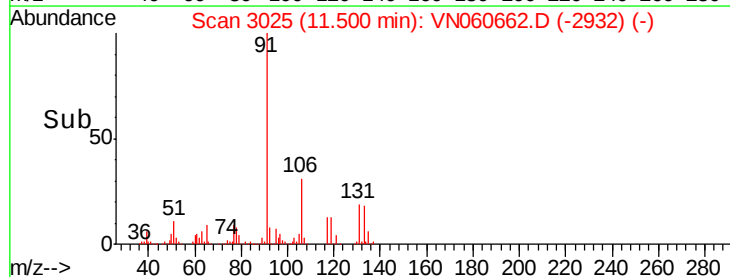
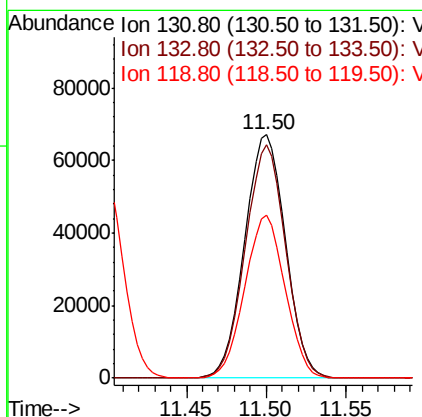
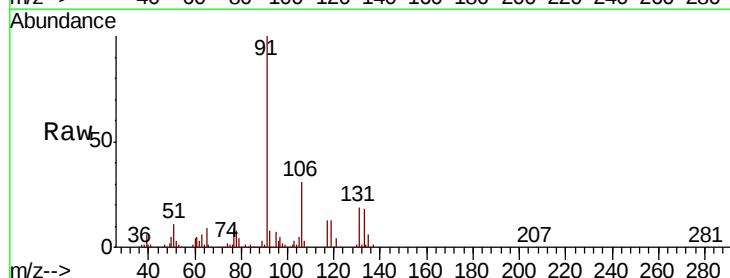
Manual Integrations
APPROVED

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#66
1,1,1,2-Tetrachloroethane
Concen: 50.145 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion:131 Resp: 117292
Ion Ratio Lower Upper
131 100
133 95.0 48.9 146.8
119 66.1 33.9 101.7





#67

Ethyl Benzene

Concen: 50.459 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 606219

Ion Ratio Lower Upper

91 100

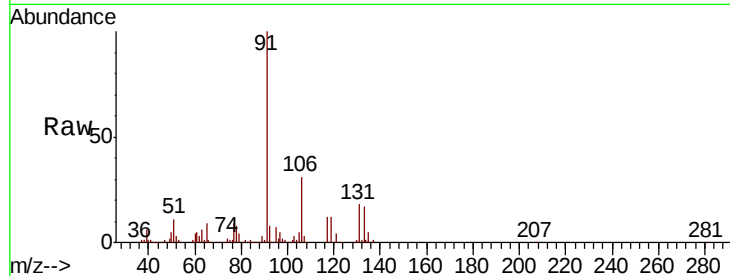
106 31.0 24.2 36.2

Manual Integrations

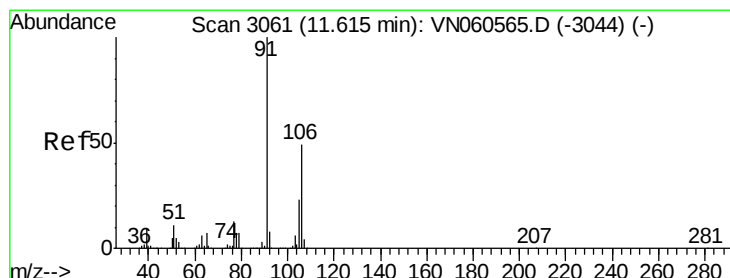
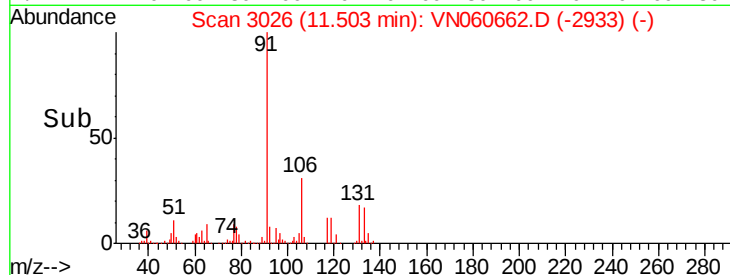
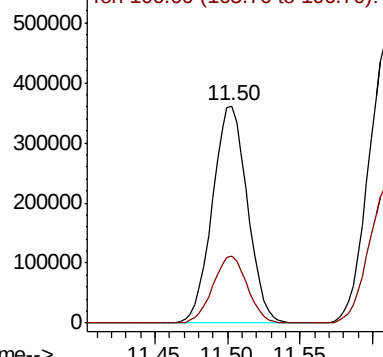
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Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3011) (-)



#68

m/p-Xylenes

Concen: 101.423 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060662.D

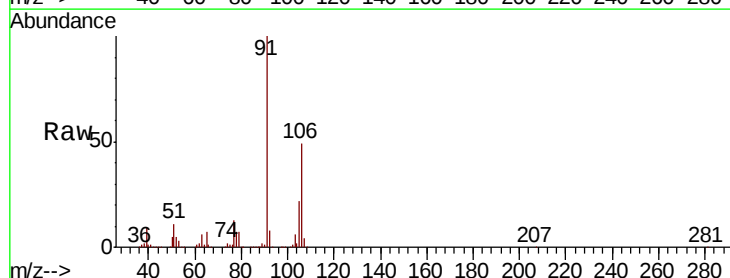
Acq: 24 Mar 2020 10:43

Tgt Ion: 106 Resp: 452796

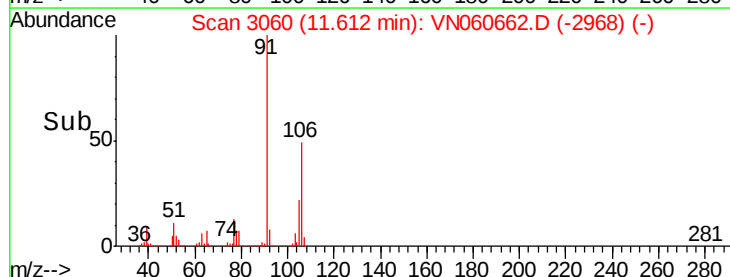
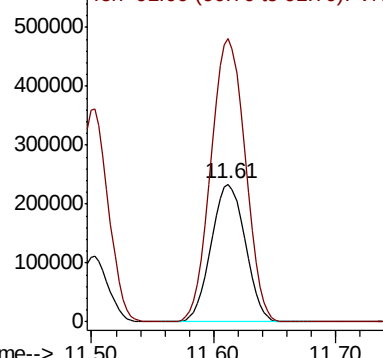
Ion Ratio Lower Upper

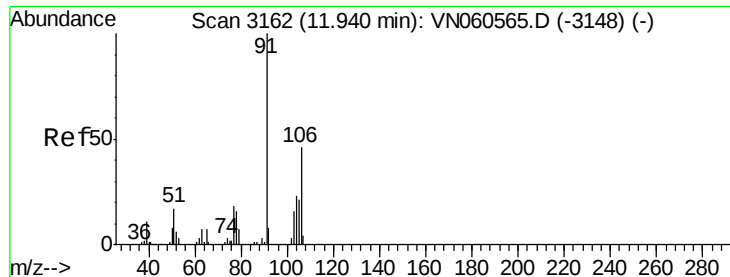
106 100

91 206.4 165.0 247.4



Abundance Ion 106.00 (105.70 to 106.70): VN060565.D (-3044) (-)





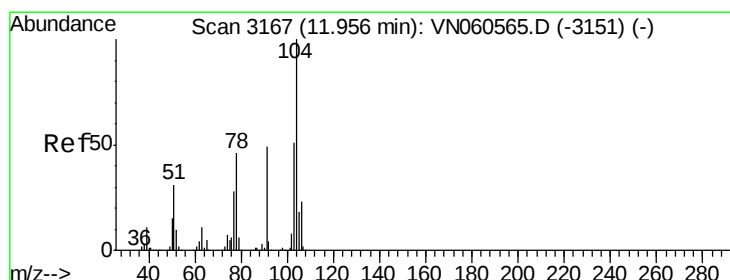
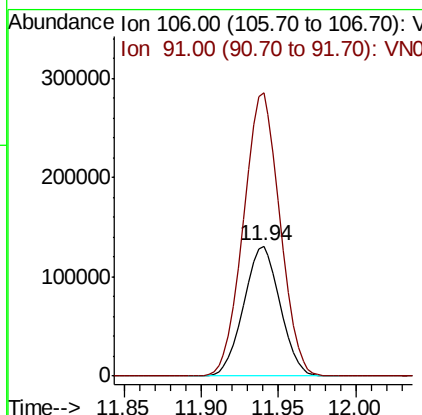
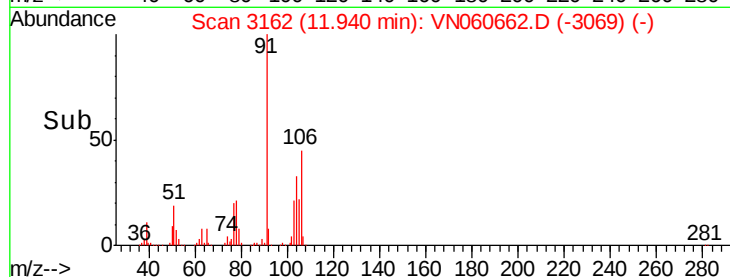
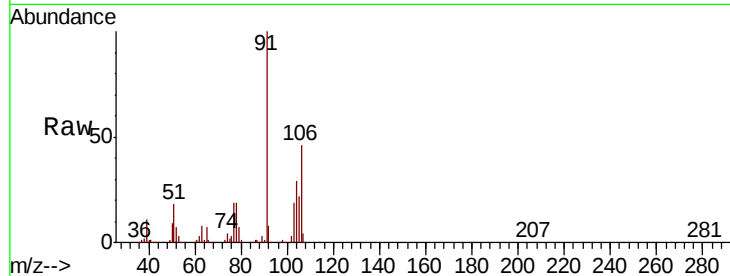
#69
o-Xylene
Concen: 50.509 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
215262	106	100		
	91	218.3	109.5	328.4

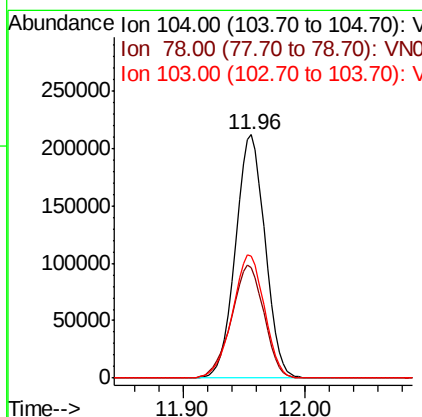
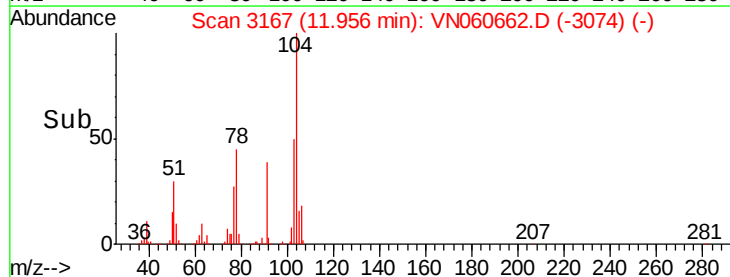
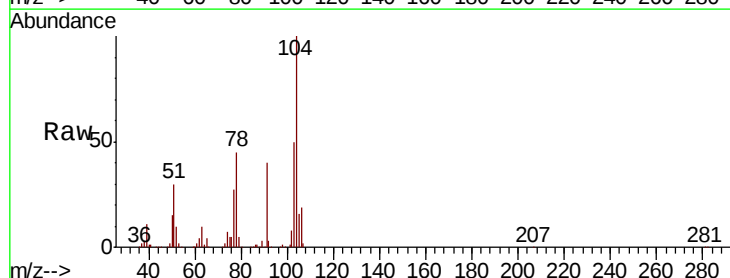
Manual Integrations
APPROVED

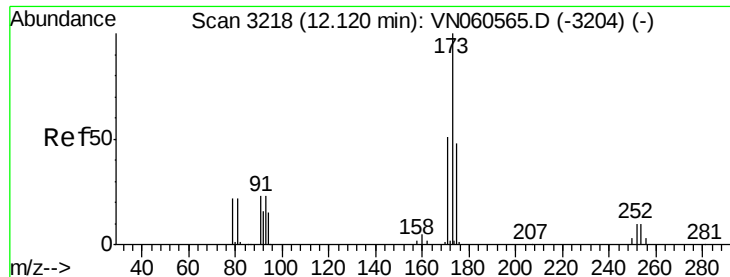
MMDadoda
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#70
Styrene
Concen: 50.989 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ion	Ratio	Lower	Upper
355406	104	100		
	78	51.3	41.2	61.8
	103	55.2	44.0	66.0





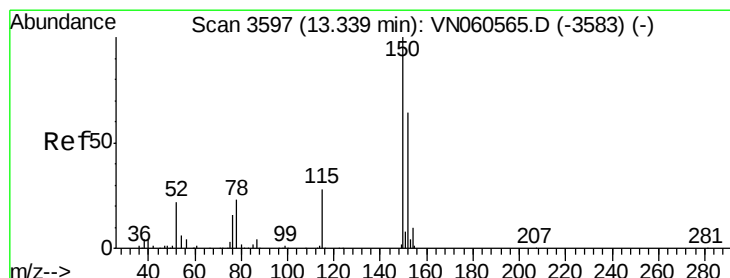
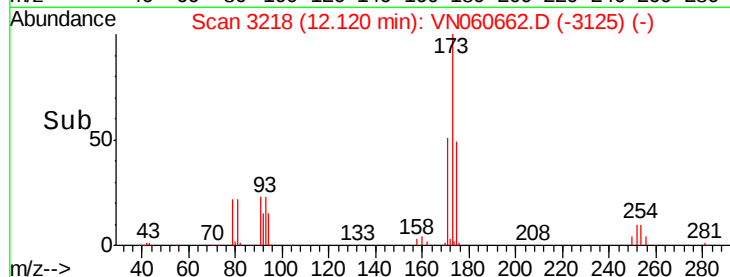
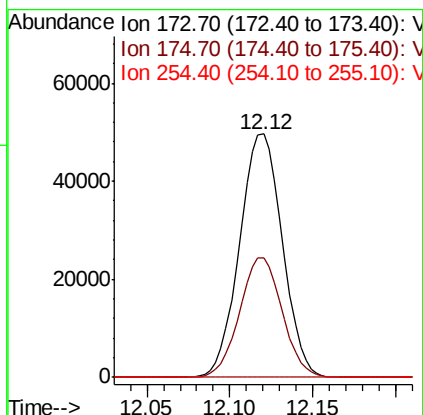
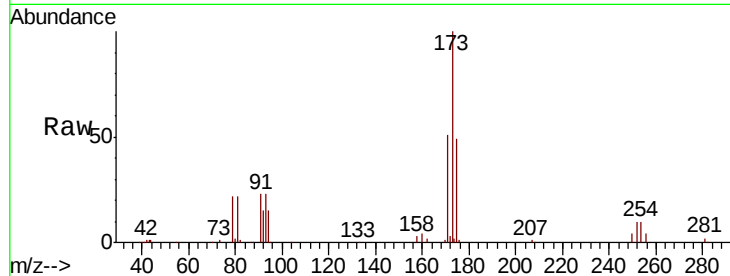
#71
Bromoform
Concen: 45.897 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.4
254	0.0	0.0	0.0

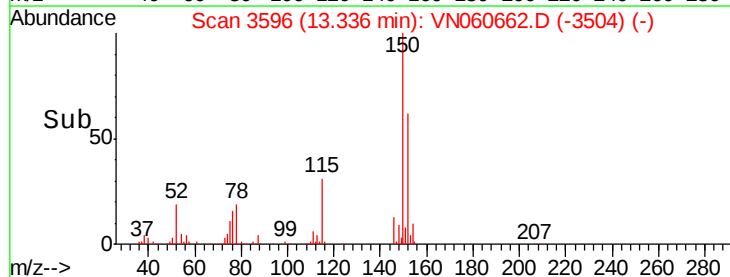
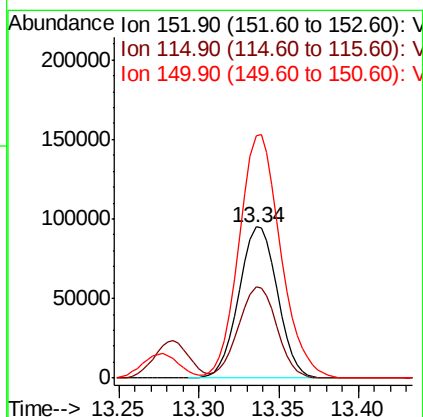
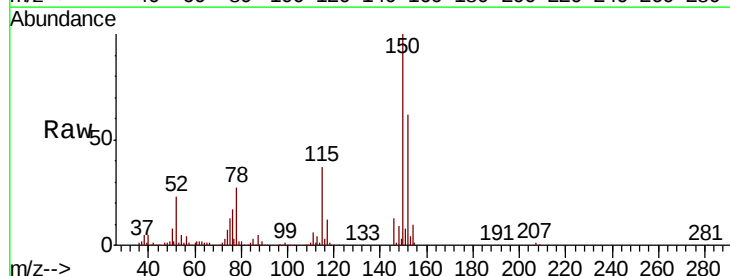
Manual Integrations
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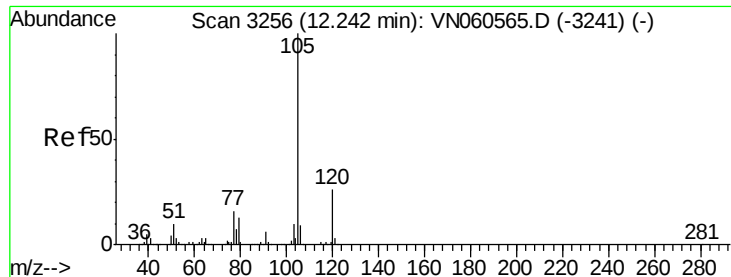
MMDadoda
3/25/2020 10:20:12 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3596
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	30.2	90.6
150	174.3	0.0	350.2





#73

Isopropylbenzene

Concen: 49.120 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 575241

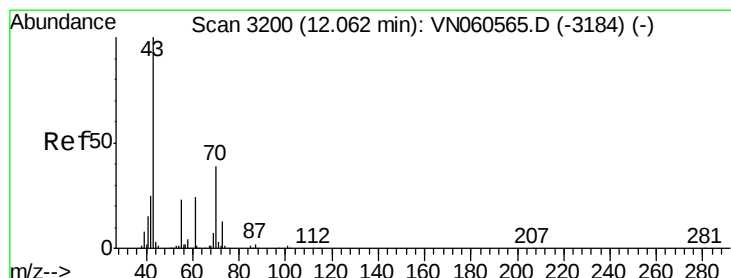
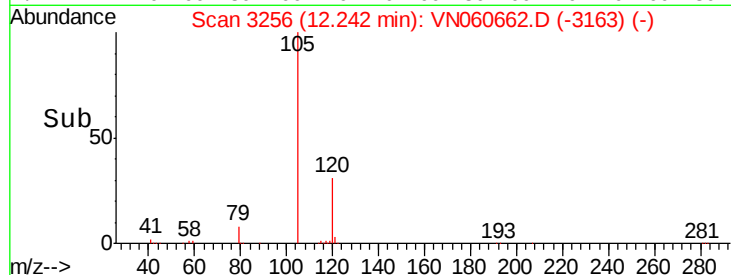
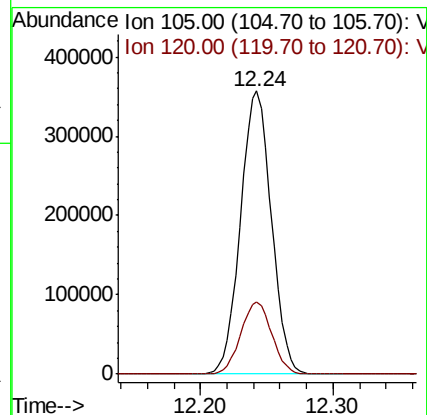
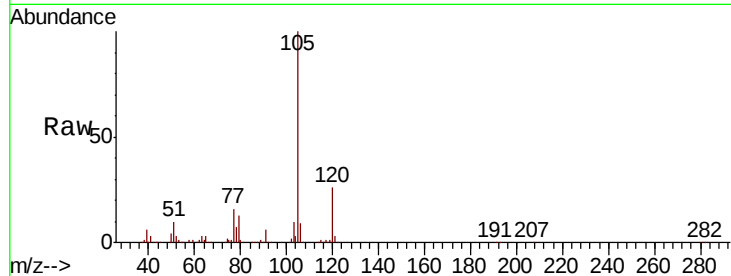
Ion Ratio Lower Upper

105 100

120 25.7 13.1 39.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 47.367 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Tgt Ion: 43 Resp: 256325

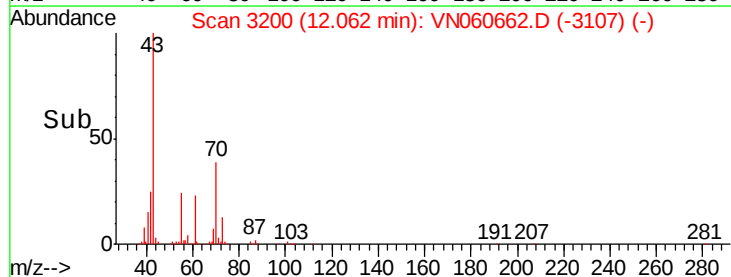
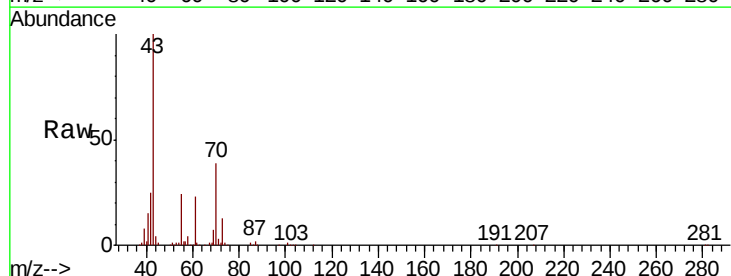
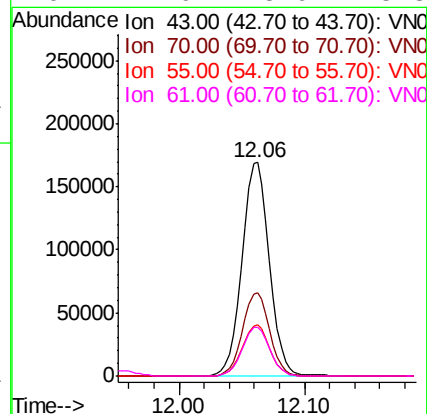
Ion Ratio Lower Upper

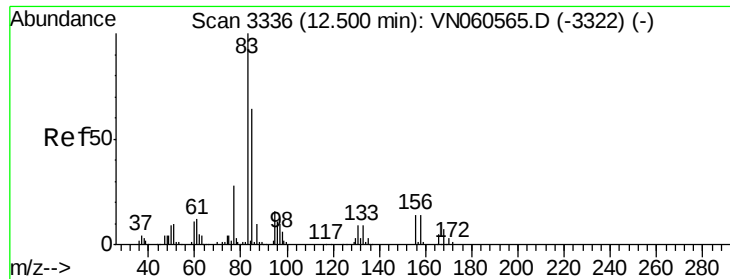
43 100

70 38.8 31.1 46.7

55 23.8 18.6 27.8

61 22.9 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 46.864 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 165968

Ion Ratio Lower Upper

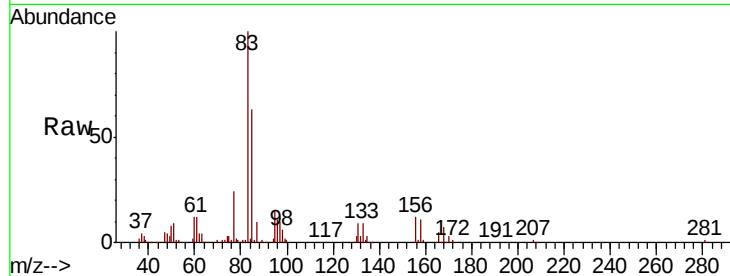
83 100

131 9.4 4.9 14.7

85 64.3 32.5 97.4

Manual Integrations
APPROVED

MMDadoda
3/25/2020 10:20:12 PM



Abundance Ion 82.90 (82.60 to 83.60): VN060565.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN060565.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN060565.D (-3322) (-)

120000

100000

80000

60000

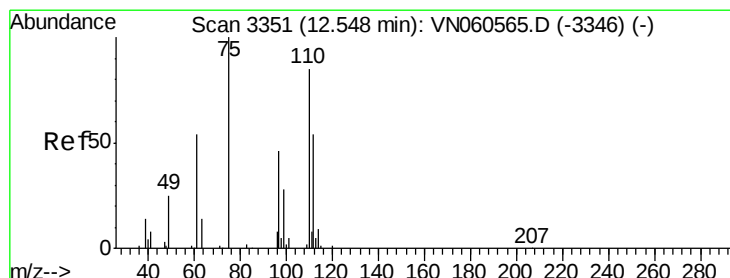
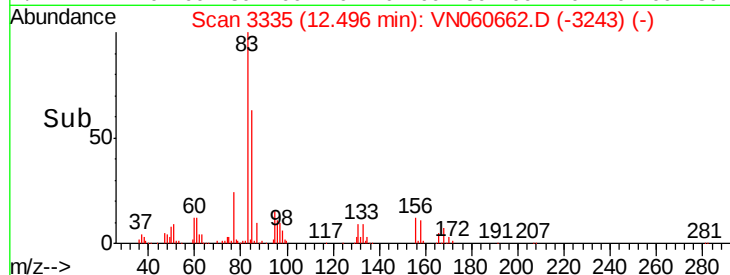
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 47.367 ug/l m

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN060662.D

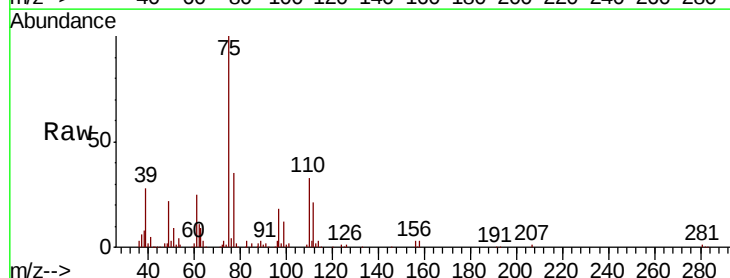
Acq: 24 Mar 2020 10:43

Tgt Ion: 75 Resp: 159495

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060565.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN060565.D (-3346) (-)

150000

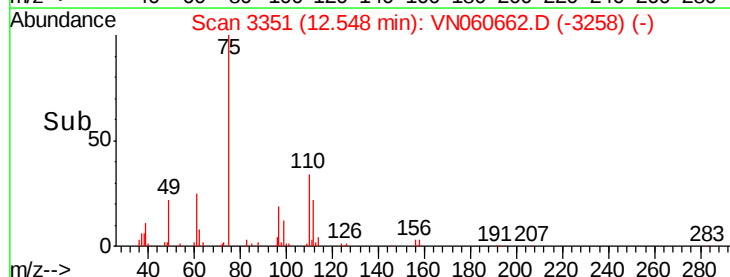
100000

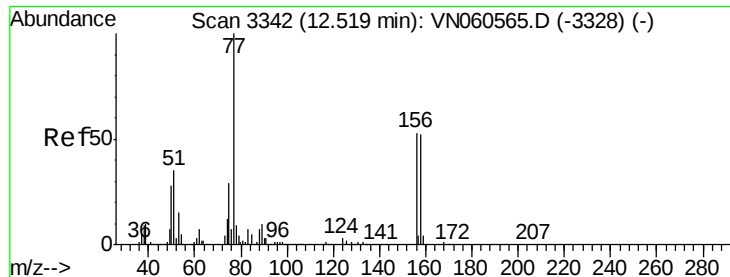
50000

0

12.55

Time-->





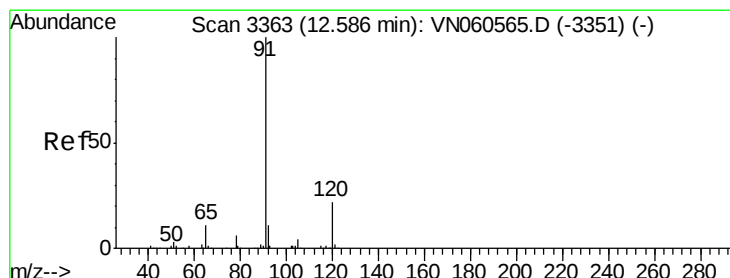
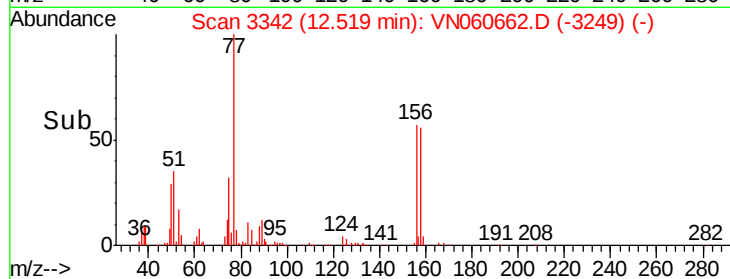
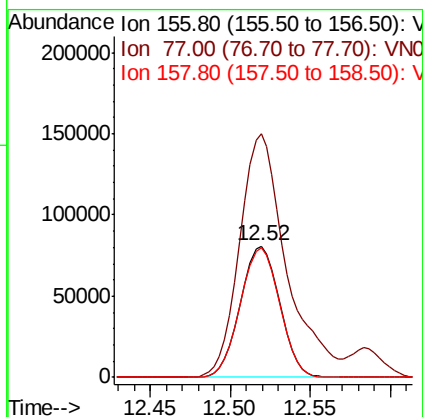
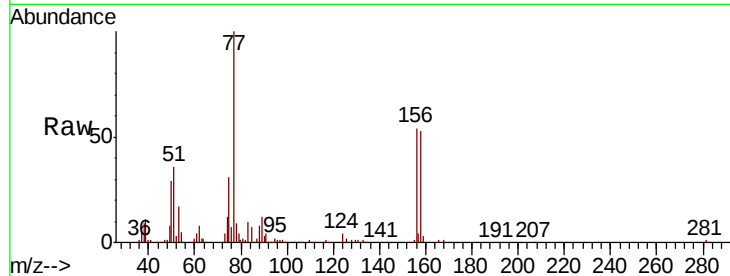
#77
Bromobenzene
Concen: 48.266 ug/l
RT: 12.52 min Scan# 3342
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.6	112.3	337.0
158	98.7	48.6	145.8

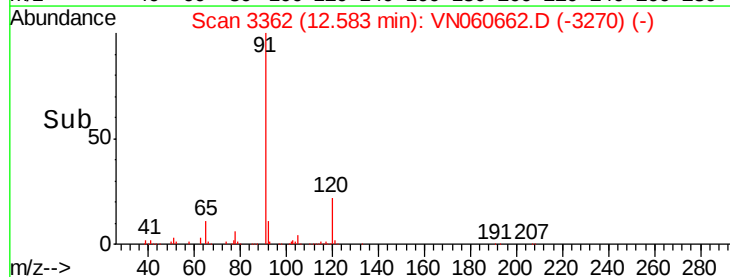
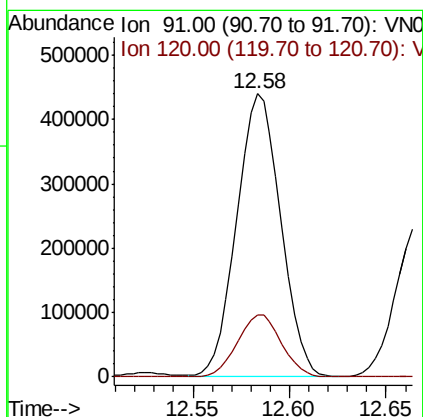
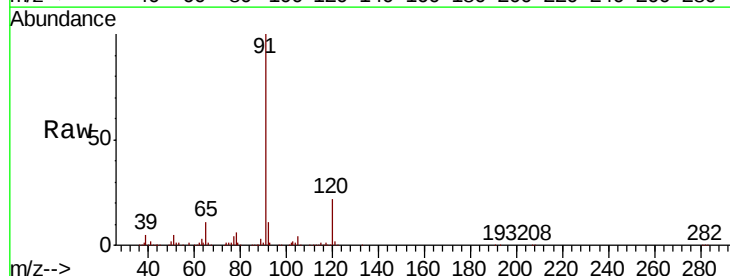
Manual Integrations
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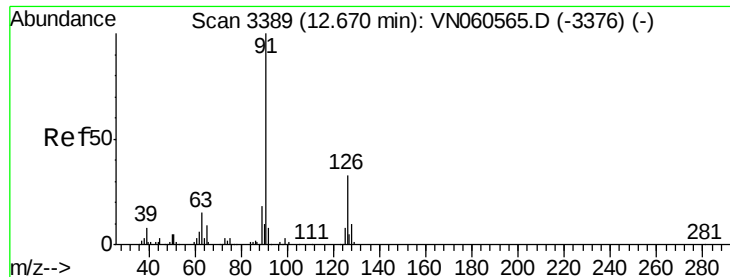
MMDadoda
3/25/2020 10:20:12 PM



#78
n-propylbenzene
Concen: 50.164 ug/l
RT: 12.58 min Scan# 3362
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.3	33.8





#79

2-Chlorotoluene

Concen: 48.160 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 398130

Ion Ratio Lower Upper

91 100

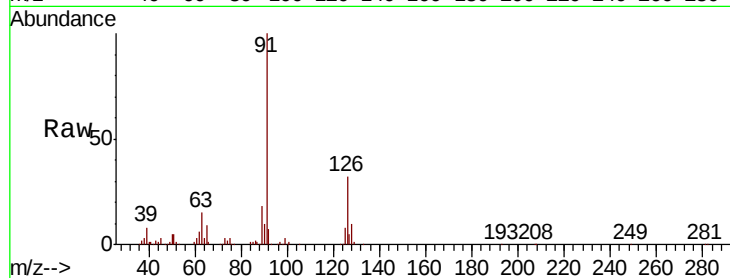
126 32.6 16.4 49.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060565.D (-3376) (-)

500000

400000

300000

200000

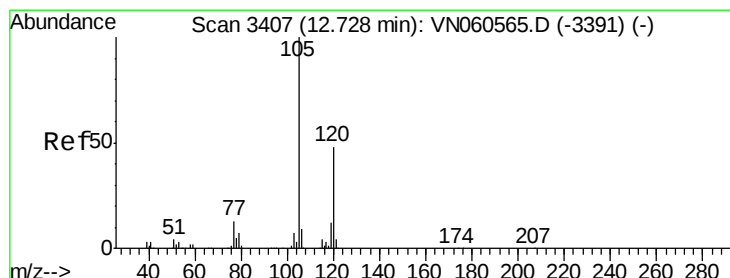
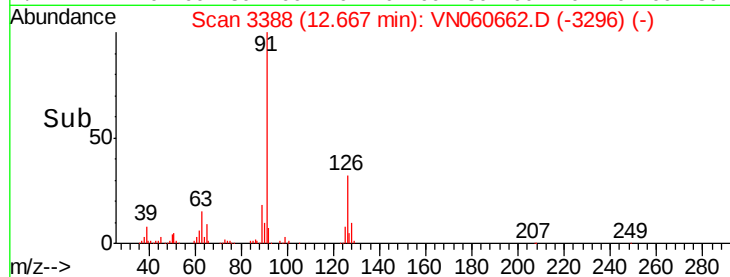
100000

0

12.60 12.65 12.70

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 49.246 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060662.D

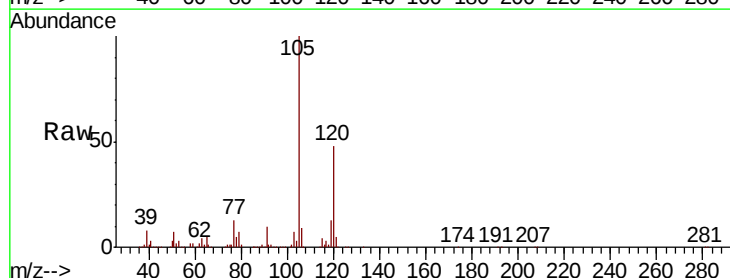
Acq: 24 Mar 2020 10:43

Tgt Ion: 105 Resp: 489415

Ion Ratio Lower Upper

105 100

120 47.9 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060565.D (-3391) (-)

300000

200000

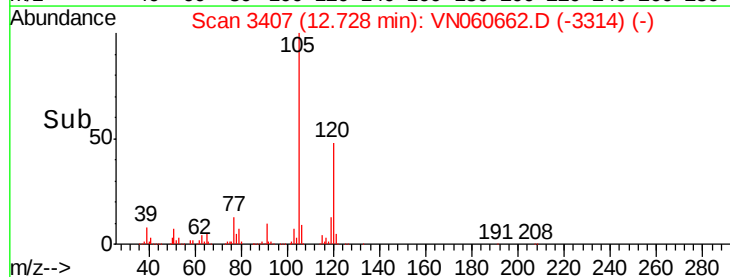
100000

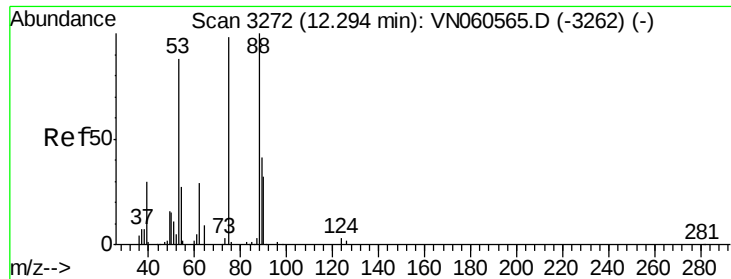
0

12.70 12.75 12.80

12.73

Time-->





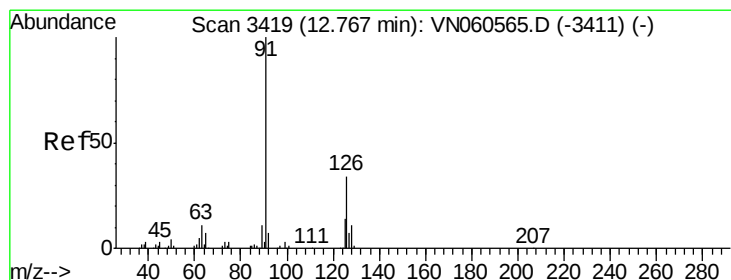
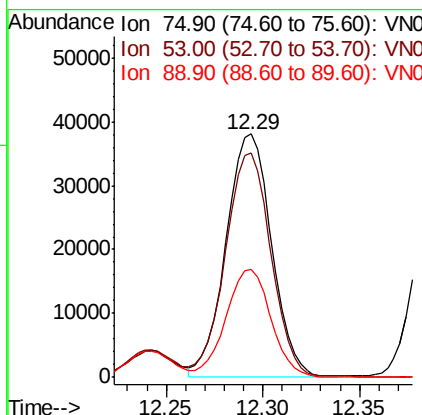
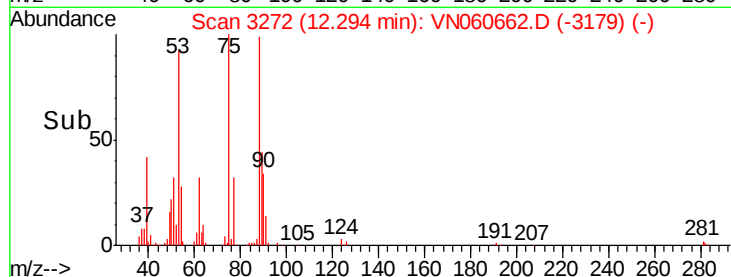
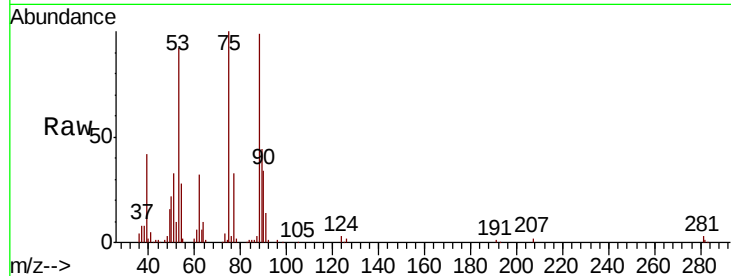
#81
trans-1,4-Dichloro-2-butene
Concen: 47.748 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.5	73.0	109.4
89	44.0	34.8	52.2

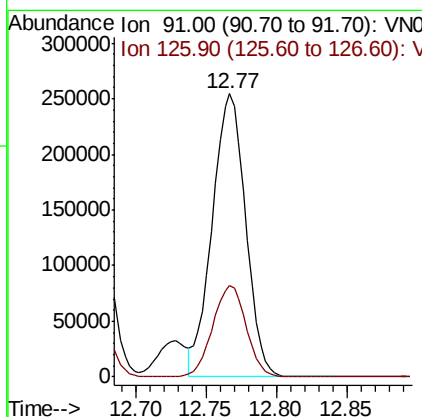
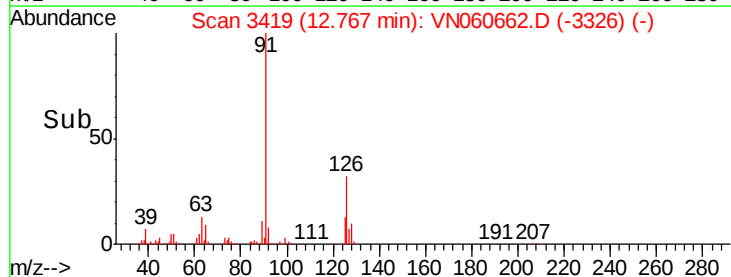
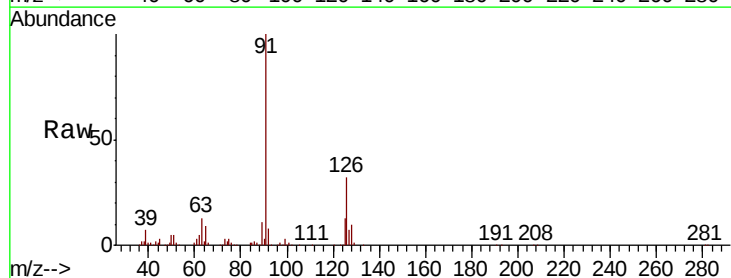
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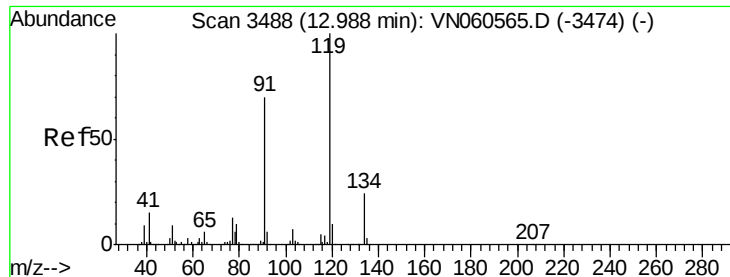
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#82
4-Chlorotoluene
Concen: 49.605 ug/l
RT: 12.77 min Scan# 3419
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.2	48.5





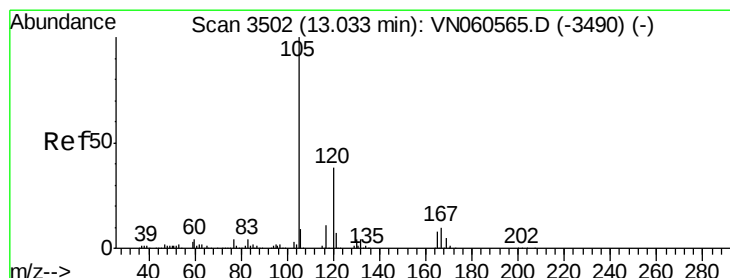
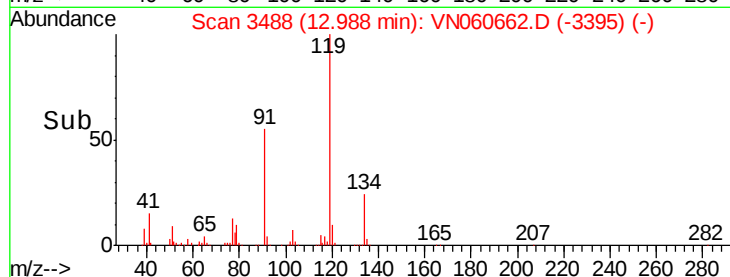
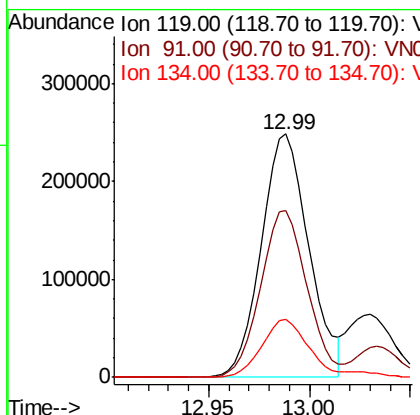
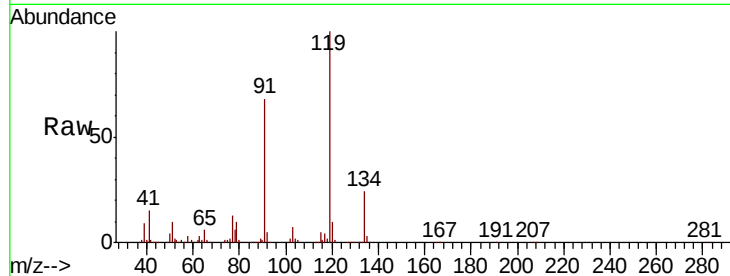
#83
 tert-Butylbenzene
 Concen: 49.527 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.6	34.0	101.8
134	24.9	12.7	38.0

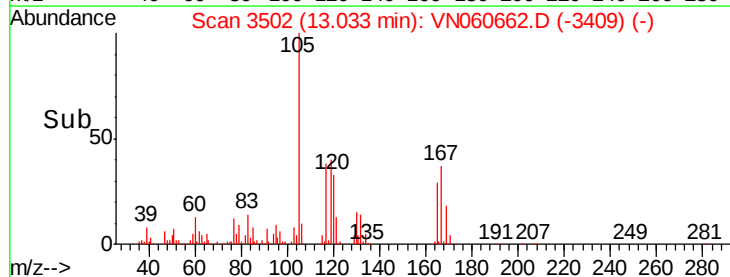
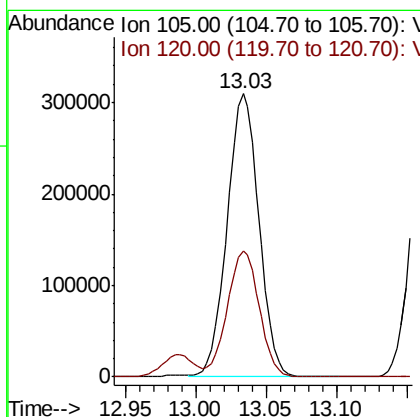
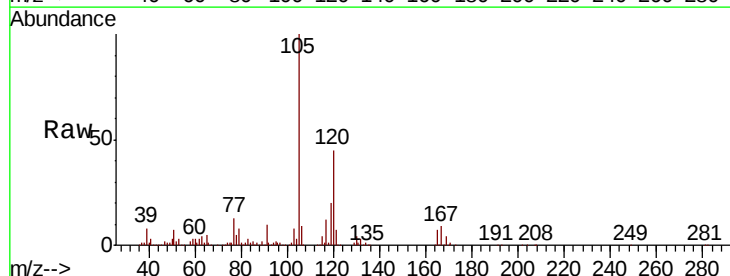
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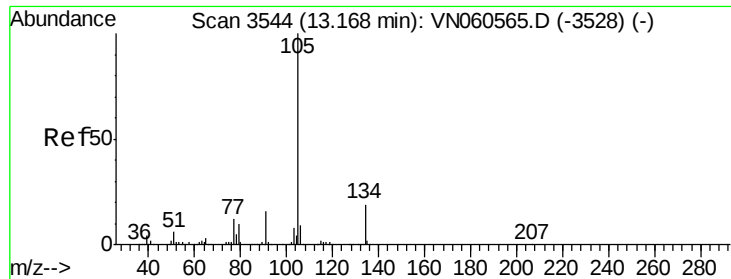
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.556 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.1	66.5





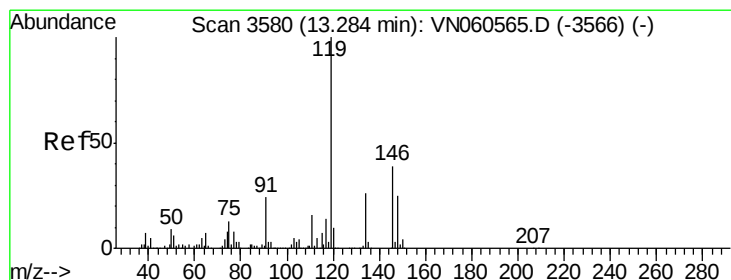
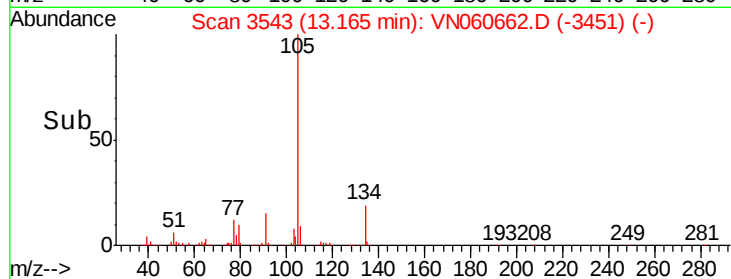
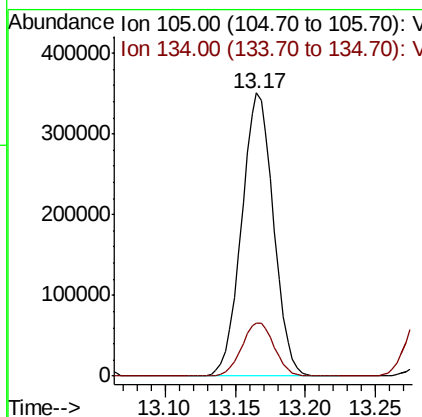
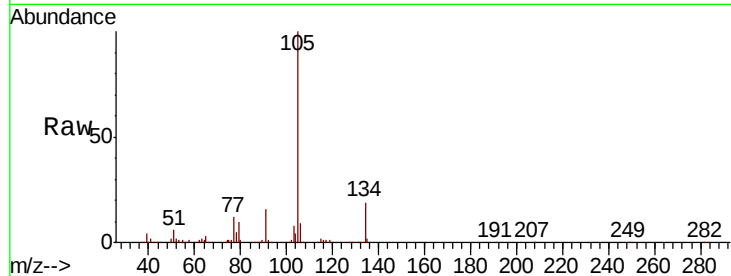
#85
 sec-Butylbenzene
 Concen: 50.071 ug/l
 RT: 13.17 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.1	9.6	28.8

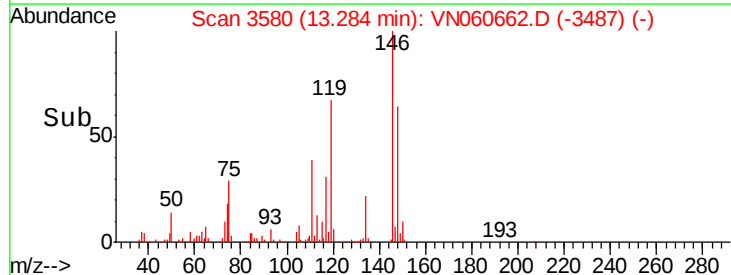
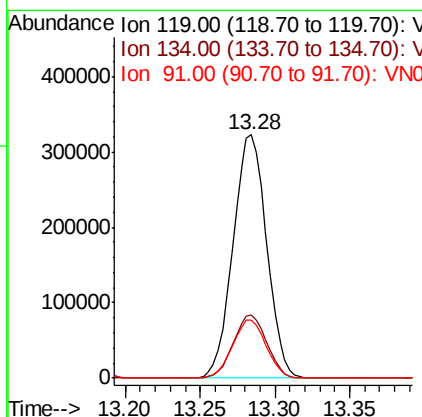
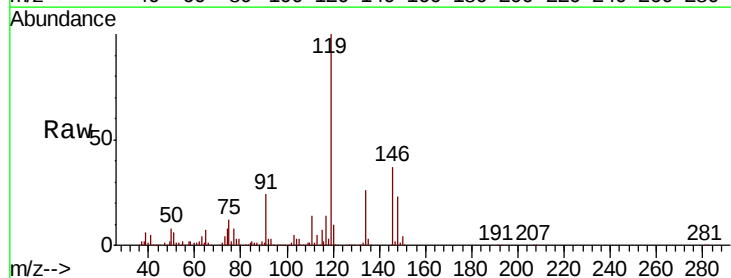
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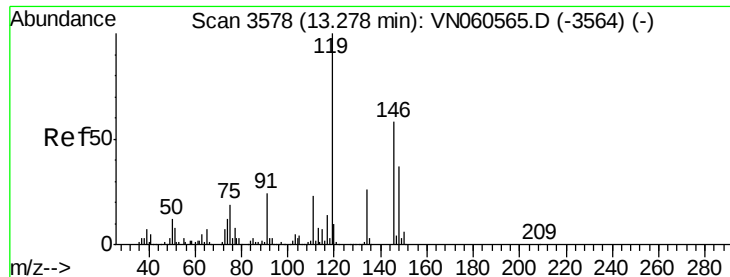
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#86
 p-Isopropyltoluene
 Concen: 50.512 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	23.9	12.0	36.0





#87

1,3-Dichlorobenzene

Concen: 50.173 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Instrument :

MSVOA_N

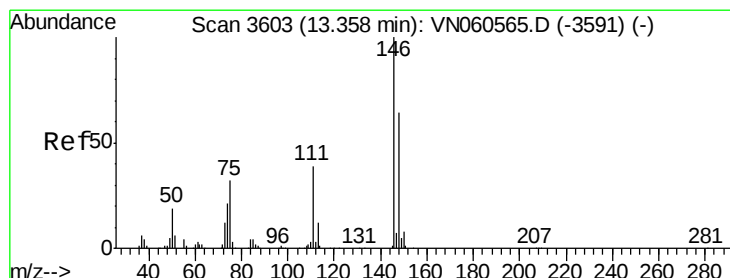
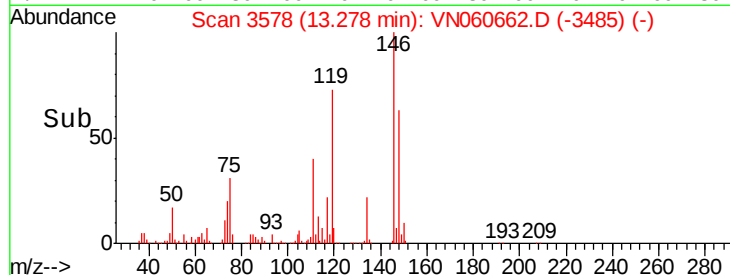
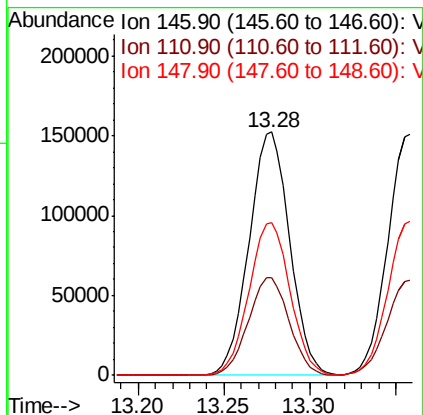
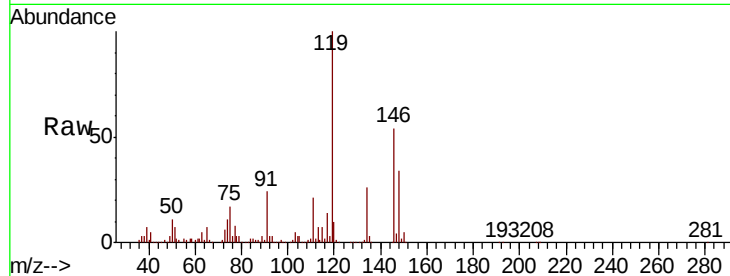
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	249712
Ion Ratio	Lower	Upper	
146	100		
111	40.3	20.3	60.8
148	63.4	32.5	97.4

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#88

1,4-Dichlorobenzene

Concen: 49.782 ug/l

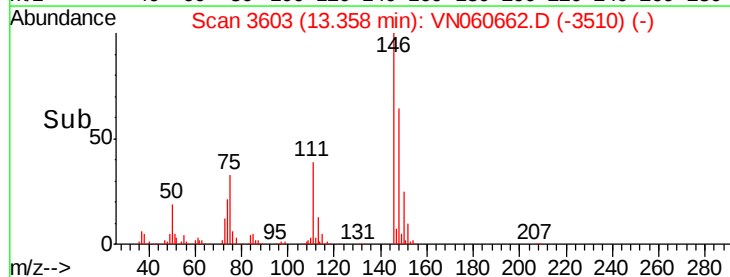
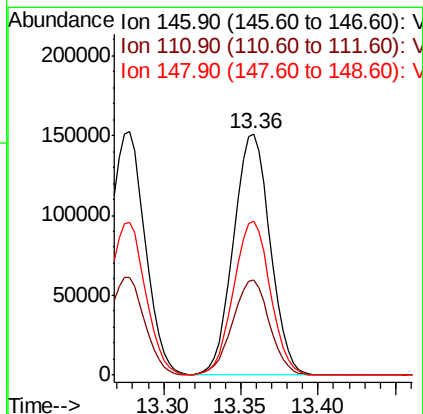
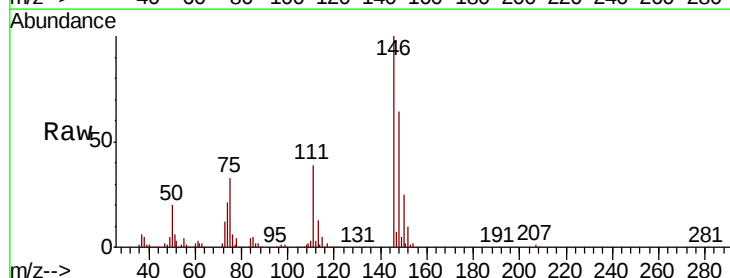
RT: 13.36 min Scan# 3603

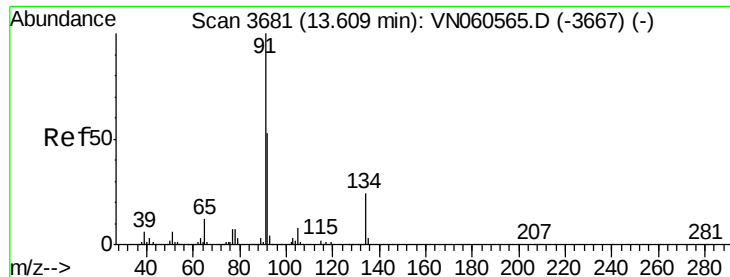
Delta R.T. -0.00 min

Lab File: VN060662.D

Acq: 24 Mar 2020 10:43

Tgt Ion:	146	Resp:	248926
Ion Ratio	Lower	Upper	
146	100		
111	39.9	19.6	58.7
148	63.8	32.1	96.3





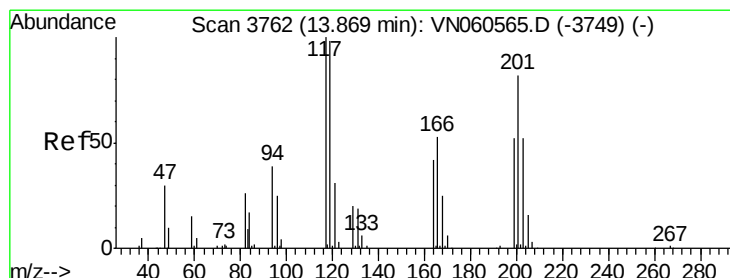
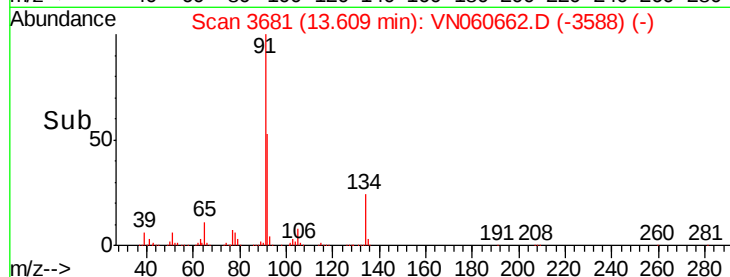
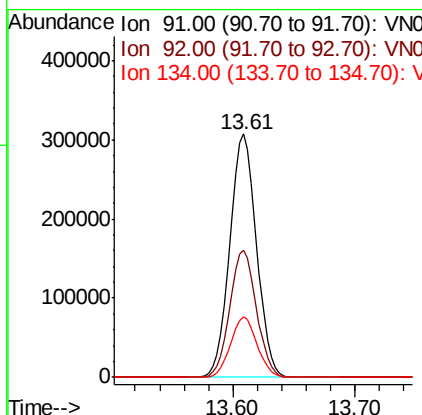
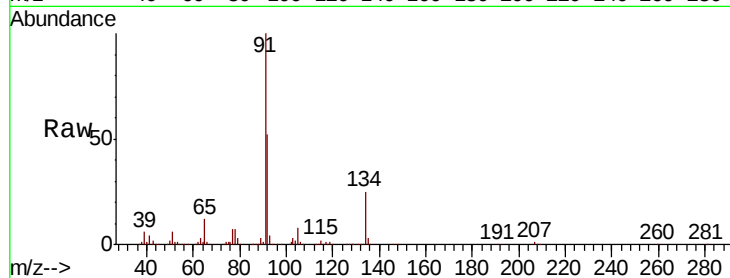
#89
n-Butylbenzene
Concen: 52.144 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

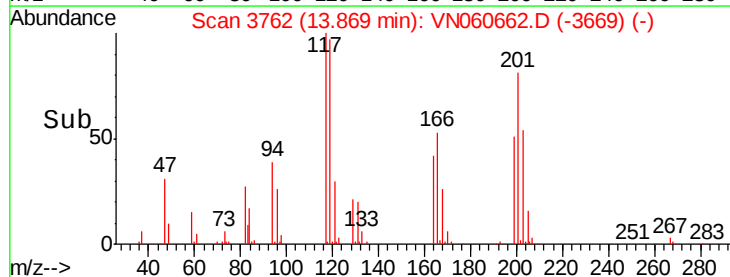
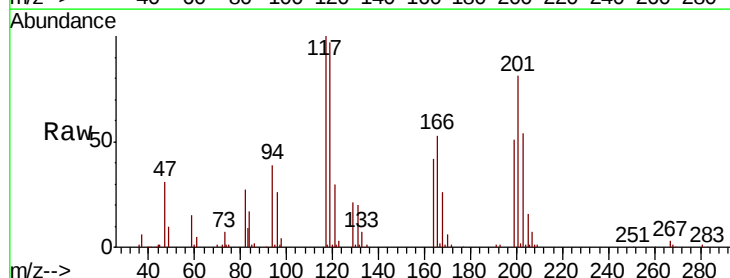
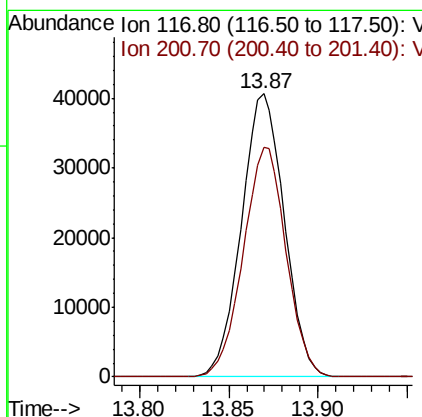
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#90
Hexachloroethane
Concen: 47.237 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.0	40.8	122.5





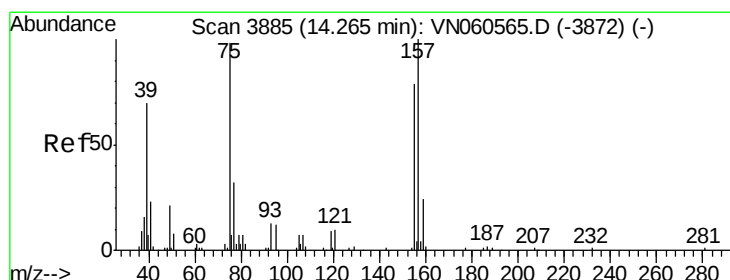
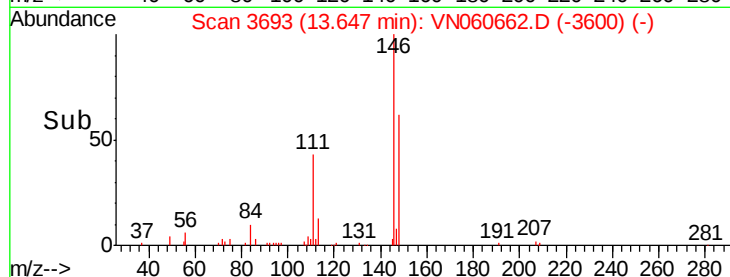
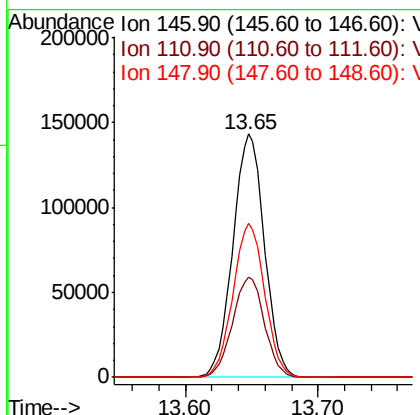
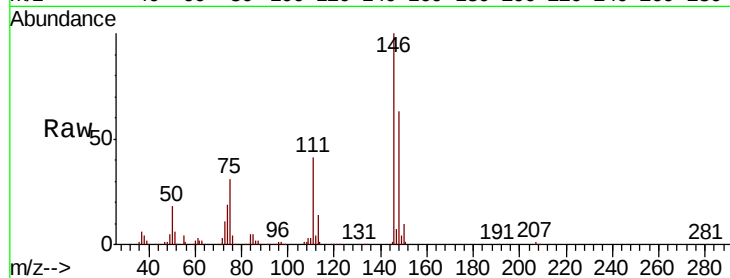
#91
 1,2-Dichlorobenzene
 Concen: 49.693 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. -0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.0	63.0
148	63.5	31.9	95.5

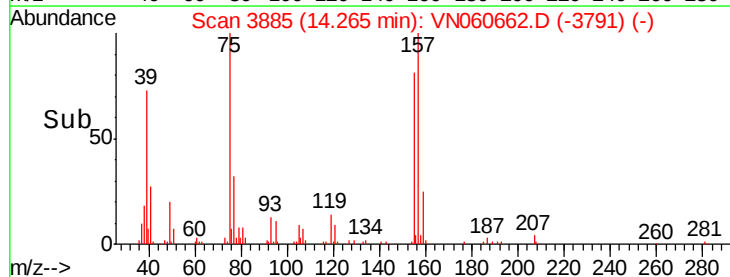
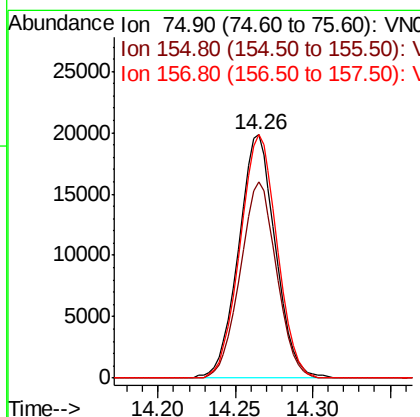
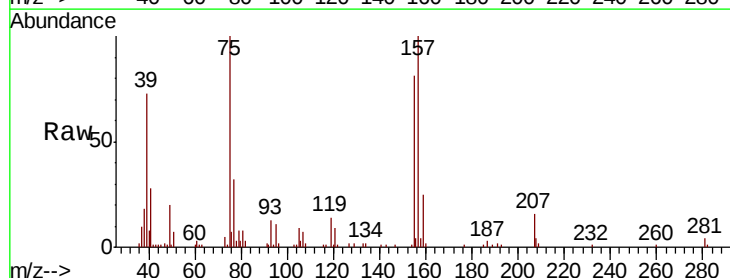
Manual Integrations
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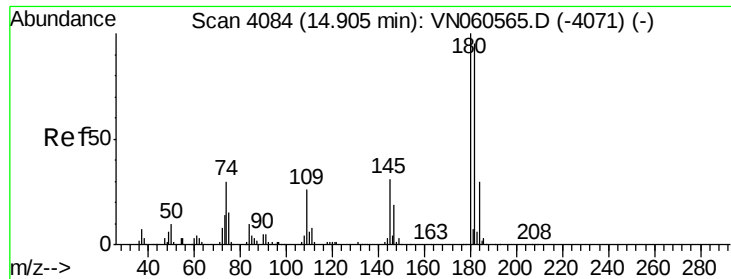
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.261 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060662.D
 Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.5	40.7	122.1
157	100.3	51.5	154.7





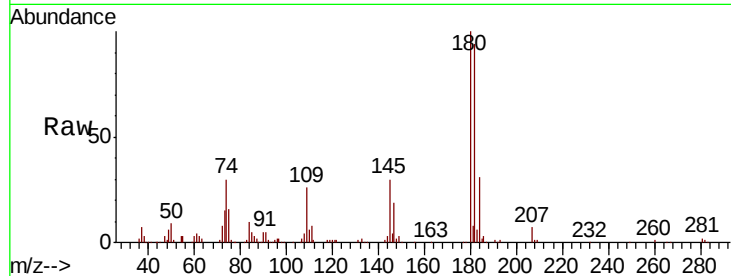
#93
1,2,4-Trichlorobenzene
Concen: 52.294 ug/l
RT: 14.90 min Scan# 4084
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152829		
182	95.0	47.9	143.8	
145	30.8	15.4	46.2	

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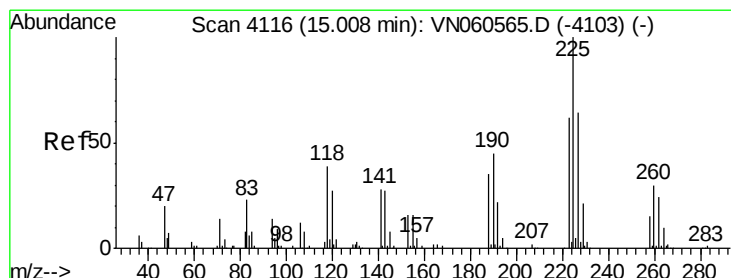
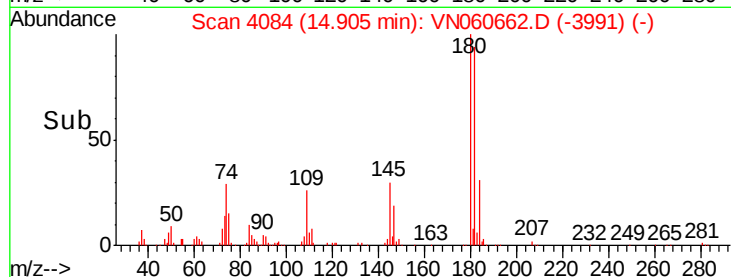
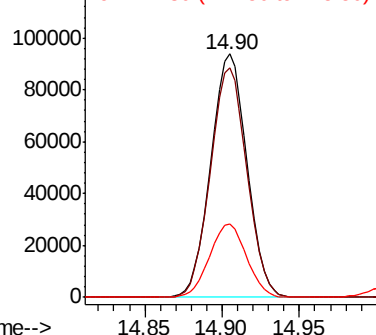


Abundance

Ion 179.80 (179.50 to 180.50): V

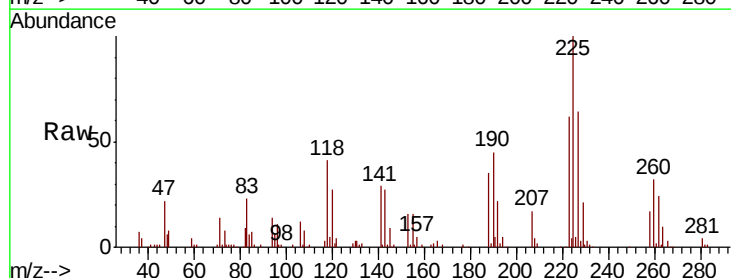
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 51.323 ug/l
RT: 15.00 min Scan# 4115
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73529		
223	62.2	31.6	95.0	
227	62.9	32.3	96.8	

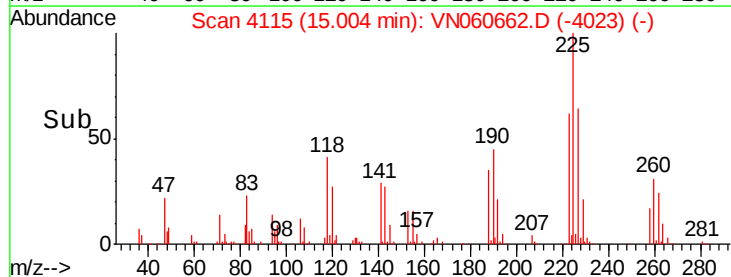
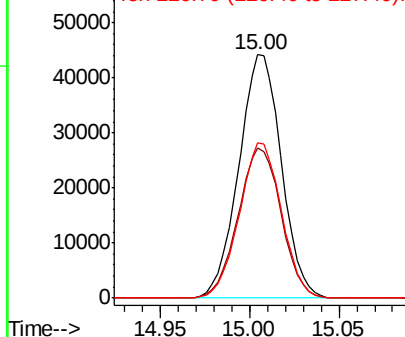


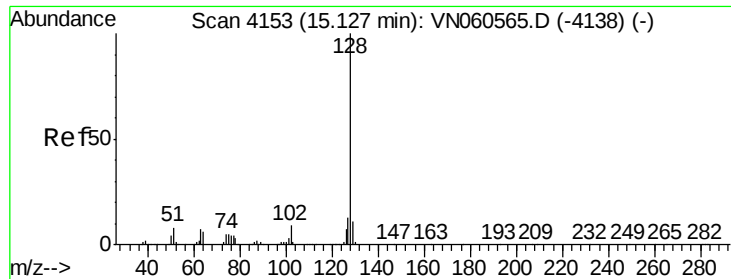
Abundance

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





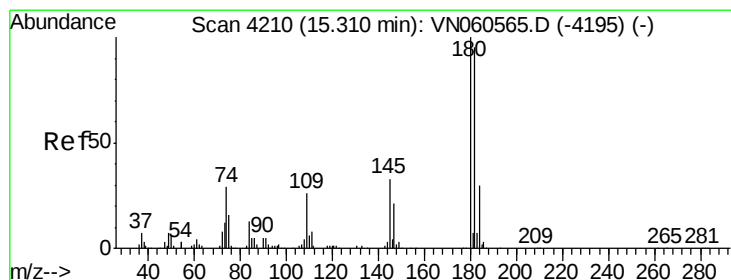
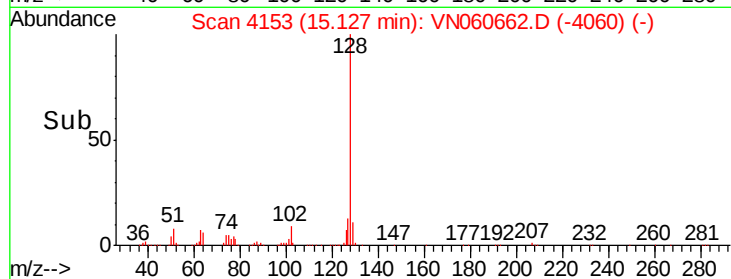
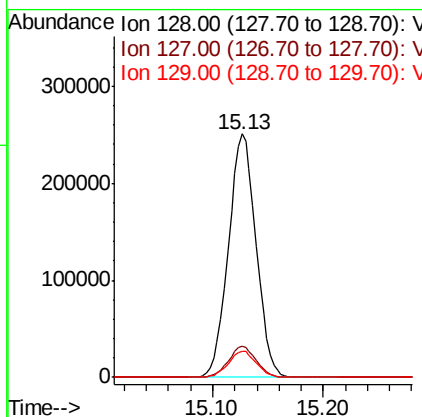
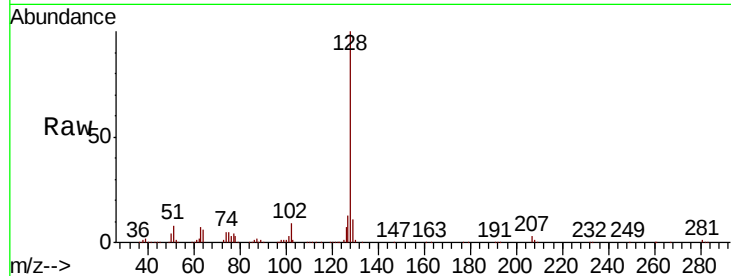
#95
Naphthalene
Concen: 49.471 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/25/2020 10:20:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 49.404 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN060662.D
Acq: 24 Mar 2020 10:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.6
145	32.7	16.3	48.8

