

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093020\
 Data File : VN063761.D
 Acq On : 30 Sep 2020 19:55
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/1/2020 2:40:52 PM

Quant Time: Oct 01 03:46:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	282970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	484053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	454686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	222855	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	242740	51.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.84%	
35) Dibromofluoromethane	7.55	113	168643	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	10.06	98	634397	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
62) 4-Bromofluorobenzene	12.38	95	248017	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	147783	49.495	ug/l	100
3) Chloromethane	2.04	50	177948	50.793	ug/l	98
4) Vinyl Chloride	2.16	62	172369	49.014	ug/l	98
5) Bromomethane	2.53	94	82653	37.365	ug/l	93
6) Chloroethane	2.67	64	106365	50.616	ug/l	98
7) Trichlorofluoromethane	2.98	101	272543	48.865	ug/l	97
8) Diethyl Ether	3.37	74	97042	51.446	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	142858	47.921	ug/l	99
10) Methyl Iodide	3.91	142	150195	43.392	ug/l	100
11) Tert butyl alcohol	4.73	59	126119	244.360	ug/l	99
12) 1,1-Dichloroethene	3.70	96	140390	49.269	ug/l	99
13) Acrolein	3.57	56	79478	250.905	ug/l	98
14) Allyl chloride	4.27	41	264294	49.926	ug/l	99
15) Acrylonitrile	4.93	53	370494	250.781	ug/l	99
16) Acetone	3.77	43	336857	234.079	ug/l	97
17) Carbon Disulfide	4.01	76	372857	48.435	ug/l	100
18) Methyl Acetate	4.28	43	202762	54.267	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	535101	51.689	ug/l	98
20) Methylene Chloride	4.51	84	163836	49.705	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	152978	47.931	ug/l	100
22) Diisopropyl ether	5.90	45	570449	52.376	ug/l	99
23) Vinyl Acetate	5.84	43	2334364	258.739	ug/l	99
24) 1,1-Dichloroethane	5.80	63	305133	48.998	ug/l	98
25) 2-Butanone	6.78	43	513639	251.753	ug/l	100
26) 2,2-Dichloropropane	6.78	77	245231	43.001	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	181905	49.556	ug/l	98
28) Bromochloromethane	7.15	49	150530	48.906	ug/l	99
29) Tetrahydrofuran	7.16	42	350850	256.398	ug/l	99
30) Chloroform	7.33	83	322921	49.732	ug/l	93
31) Cyclohexane	7.61	56	249214	45.919	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	297000	50.710	ug/l	99
36) 1,1-Dichloropropene	7.75	75	233825	47.681	ug/l	99
37) Ethyl Acetate	6.88	43	230250	47.259	ug/l	99
38) Carbon Tetrachloride	7.74	117	254854	46.346	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	223433	45.688	ug/l	99
40) Benzene	8.00	78	666096	47.555	ug/l	99
41) Methacrylonitrile	7.13	41	114094m	52.690	ug/l	
42) 1,2-Dichloroethane	8.09	62	288422	48.239	ug/l	99
43) Isopropyl Acetate	8.13	43	398122	49.540	ug/l	99
44) Trichloroethene	8.80	130	171408	46.705	ug/l	100
45) 1,2-Dichloropropane	9.08	63	180570	47.734	ug/l	99
46) Dibromomethane	9.17	93	125807	48.210	ug/l	97
47) Bromodichloromethane	9.37	83	258951	48.148	ug/l	97
48) Methyl methacrylate	9.17	41	202094	50.899	ug/l	98
49) 1,4-Dioxane	9.17	88	49975	885.626	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1182066	250.645	ug/l	100
52) Toluene	10.13	92	425076	49.064	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	286488	49.694	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	291900	48.414	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	170648	49.115	ug/l	99
56) Ethyl methacrylate	10.40	69	258528	52.494	ug/l	99
57) 1,3-Dichloropropane	10.68	76	291798	49.641	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	679770	258.038	ug/l	100
59) 2-Hexanone	10.72	43	859532	245.341	ug/l	100
60) Dibromochloromethane	10.87	129	195901	48.415	ug/l	99
61) 1,2-Dibromoethane	10.98	107	180989	50.924	ug/l	100
64) Tetrachloroethene	10.60	164	153952	43.764	ug/l	98
65) Chlorobenzene	11.41	112	451004	48.355	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	174653	48.844	ug/l	99
67) Ethyl Benzene	11.48	91	853909	50.313	ug/l	99
68) m/p-Xylenes	11.59	106	621786	98.301	ug/l	98
69) o-Xylene	11.92	106	301631	51.019	ug/l	100
70) Styrene	11.94	104	526521	52.465	ug/l	99
71) Bromoform	12.10	173	132479	48.443	ug/l #	96
73) Isopropylbenzene	12.23	105	803161	49.410	ug/l	99
74) N-amyl acetate	12.04	43	520113	68.009	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.48	83	244007	49.090	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	227418m	46.293	ug/l	
77) Bromobenzene	12.50	156	204447	51.258	ug/l	96
78) n-propylbenzene	12.57	91	929652	49.143	ug/l	99
79) 2-Chlorotoluene	12.65	91	566815	48.718	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	687180	50.391	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	82108	48.138	ug/l	99
82) 4-Chlorotoluene	12.75	91	603264	49.948	ug/l	100
83) tert-Butylbenzene	12.97	119	546354	48.979	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	703858	51.696	ug/l	98
85) sec-Butylbenzene	13.15	105	714611	48.775	ug/l	99
86) p-Isopropyltoluene	13.26	119	658441	50.801	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	352322	48.826	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	356680	47.474	ug/l	99
89) n-Butylbenzene	13.59	91	584779	48.883	ug/l	99
90) Hexachloroethane	13.85	117	118405	47.144	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	347134	48.570	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	55887	47.943	ug/l	94

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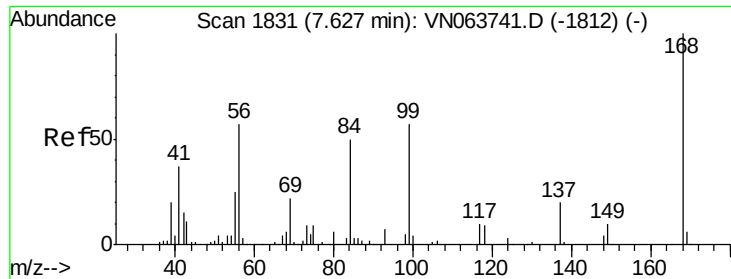
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	192534	49.557	ug/l	98
94) Hexachlorobutadiene	14.98	225	91001	46.964	ug/l	99
95) Naphthalene	15.10	128	657701	54.515	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	182049	48.351	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 282970

Ion Ratio Lower Upper

168 100

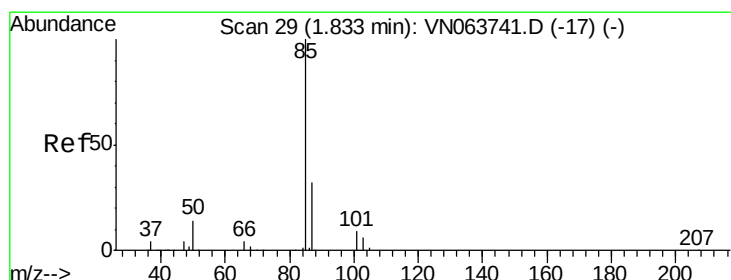
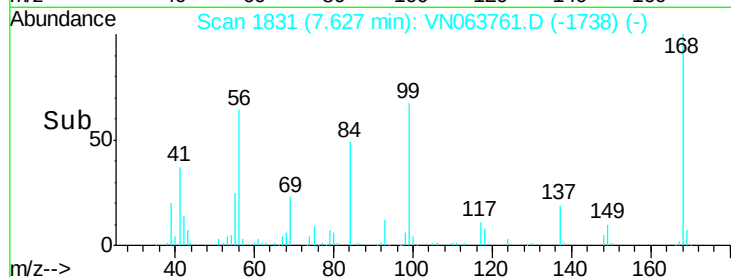
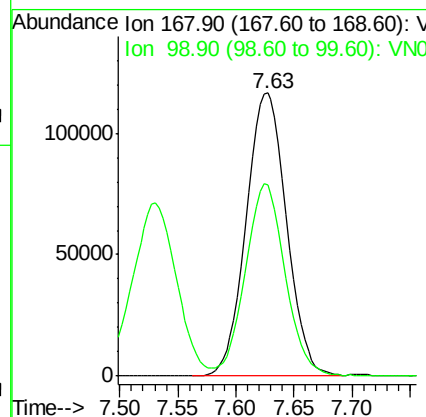
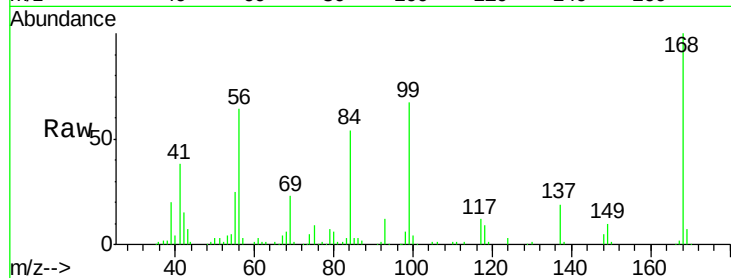
99 67.1 51.8 77.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 49.495 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063761.D

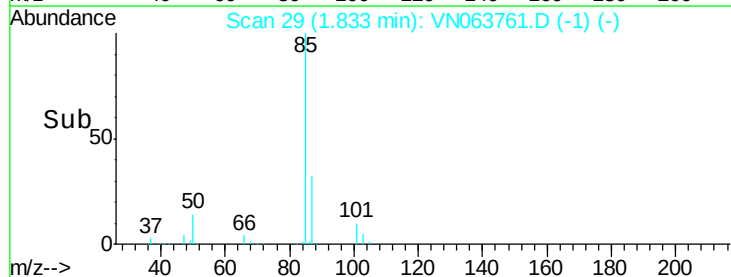
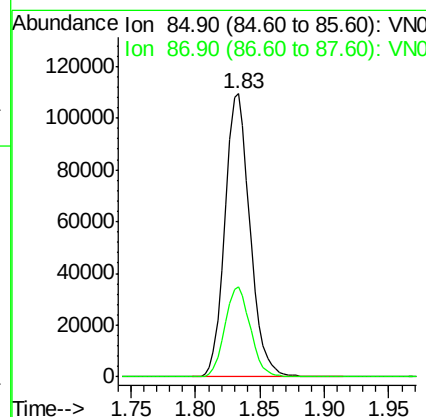
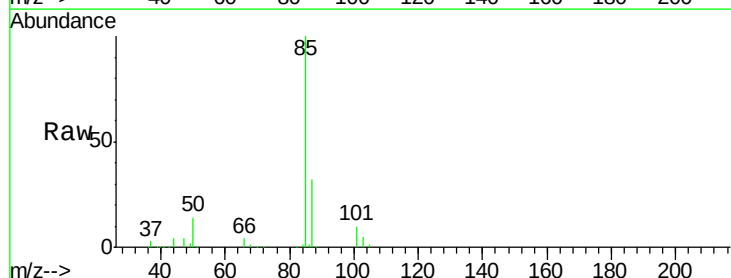
Acq: 30 Sep 2020 19:55

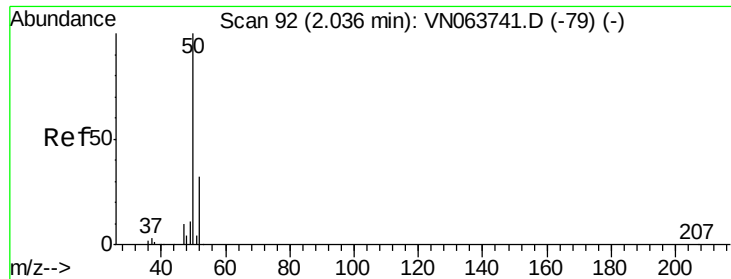
Tgt Ion: 85 Resp: 147783

Ion Ratio Lower Upper

85 100

87 31.8 16.0 48.0





#3

Chloromethane

Concen: 50.793 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 177948

Ion Ratio Lower Upper

50 100

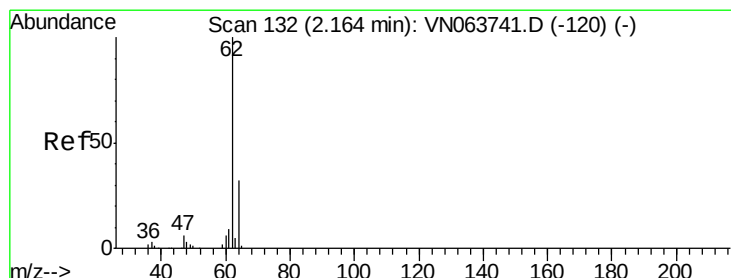
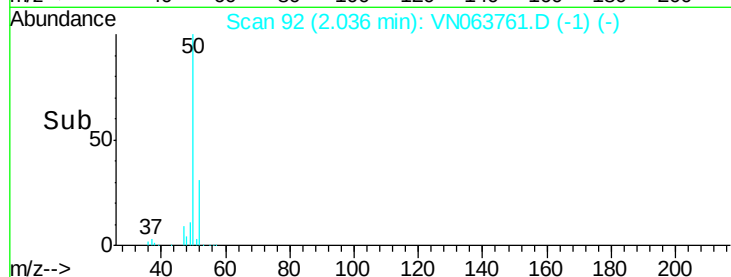
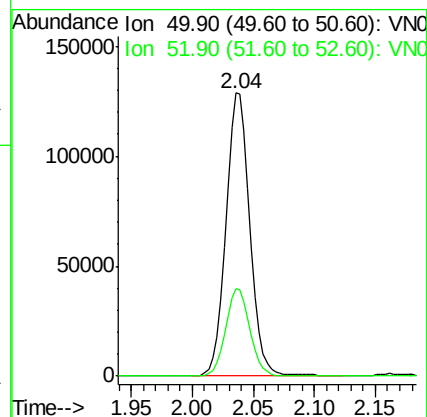
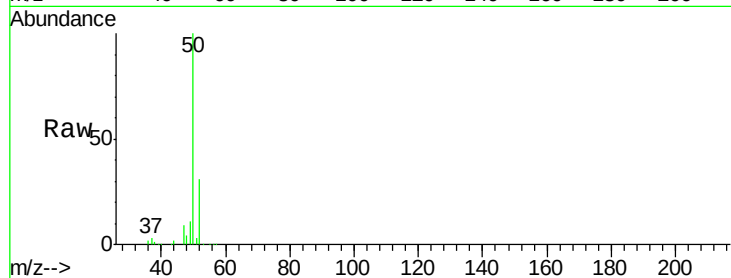
52 31.1 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.014 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063761.D

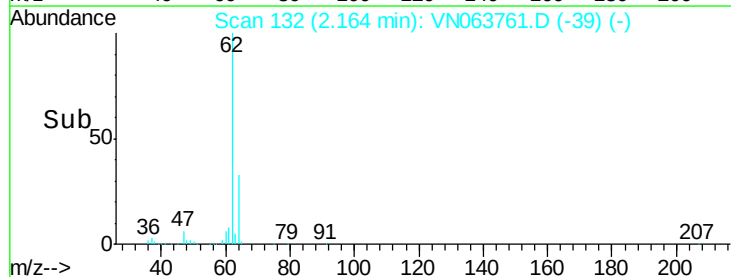
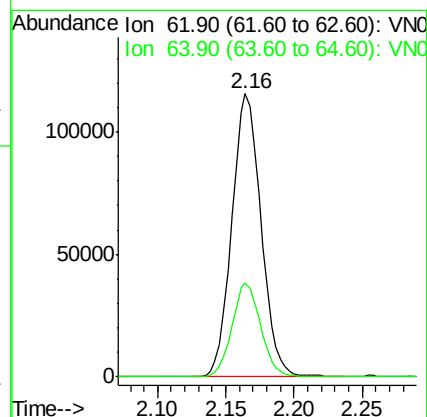
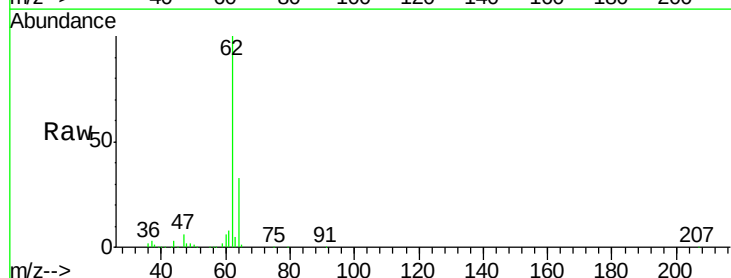
Acq: 30 Sep 2020 19:55

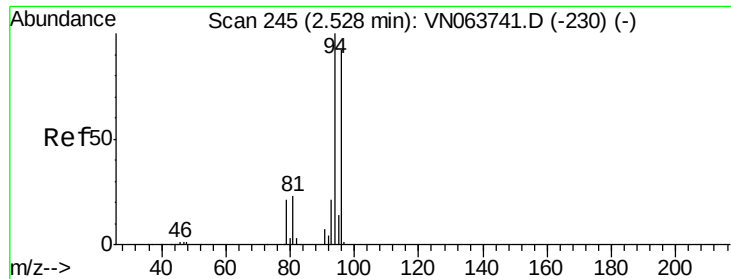
Tgt Ion: 62 Resp: 172369

Ion Ratio Lower Upper

62 100

64 33.4 25.6 38.4





#5

Bromomethane

Concen: 37.365 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 82653

Ion Ratio Lower Upper

94 100

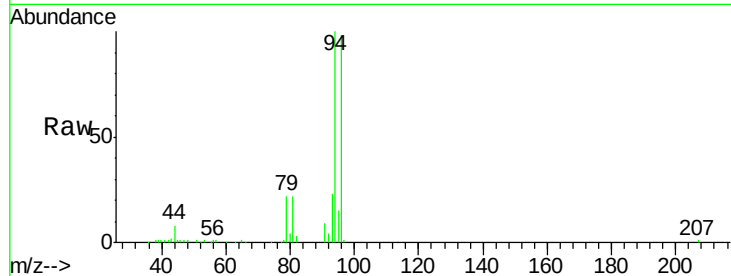
96 98.0 73.3 109.9

Manual Integrations

APPROVED

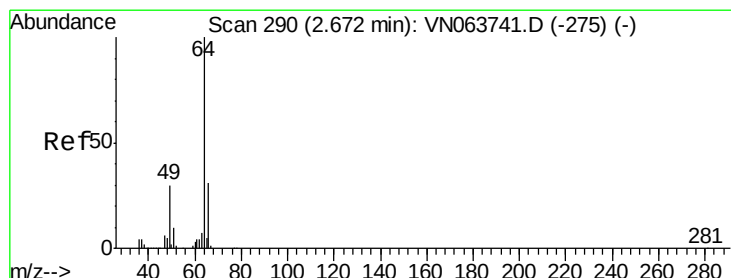
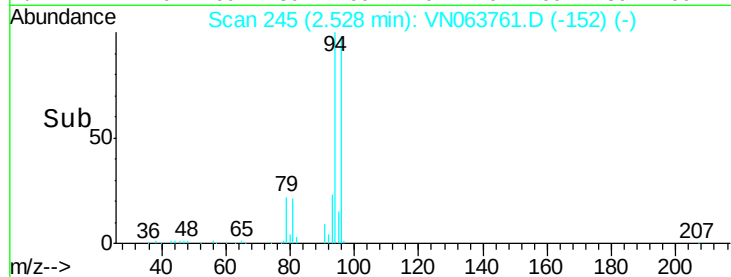
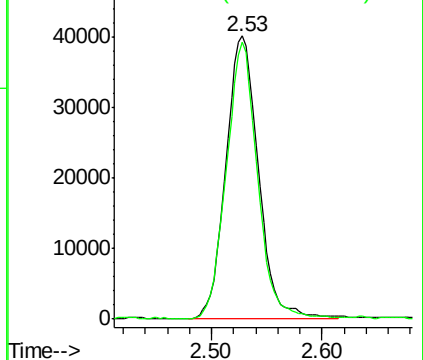
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 50.616 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063761.D

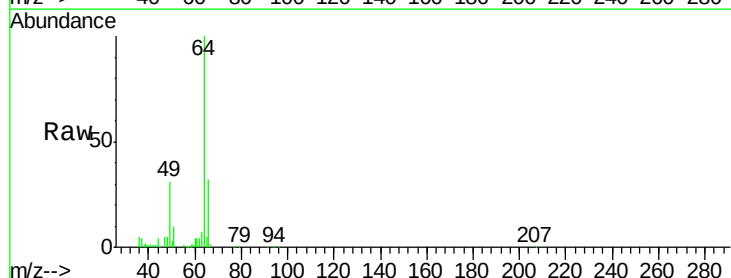
Acq: 30 Sep 2020 19:55

Tgt Ion: 64 Resp: 106365

Ion Ratio Lower Upper

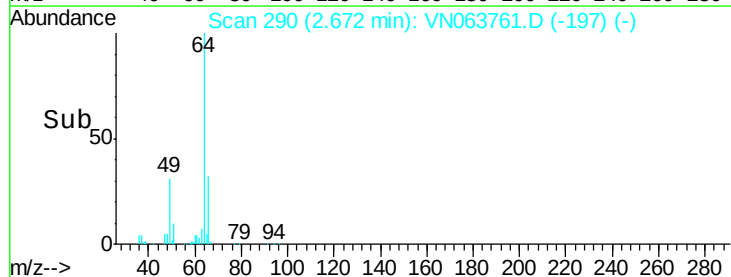
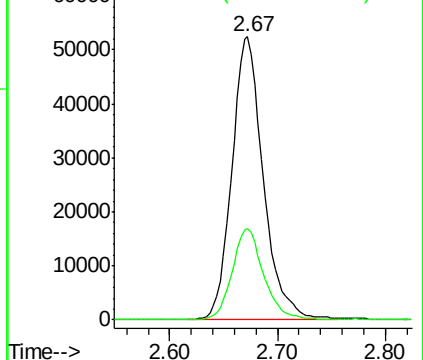
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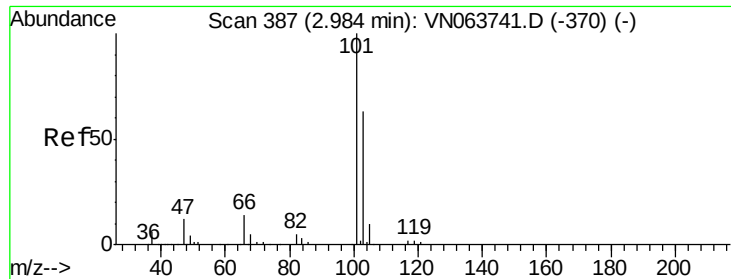
66 32.2 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

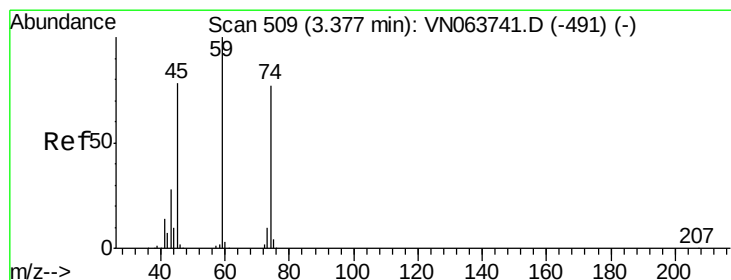
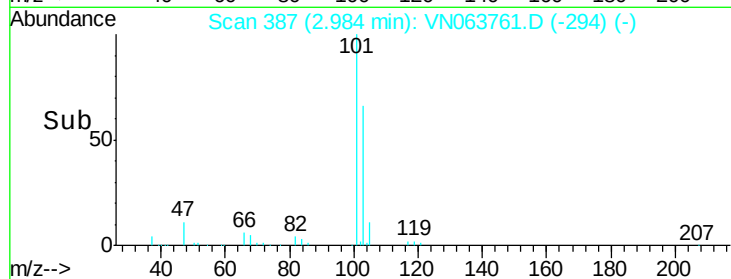
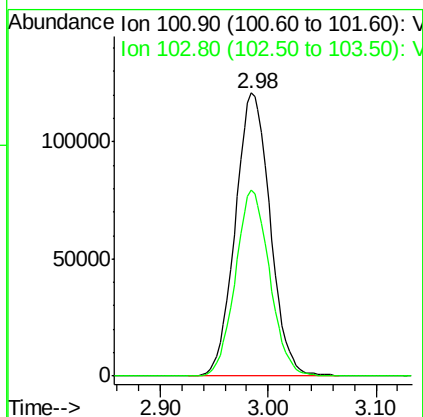
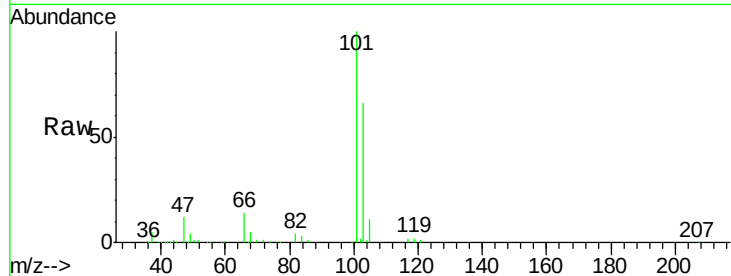
Trichlorofluoromethane
 Concen: 48.865 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.7	76.1

Manual Integrations
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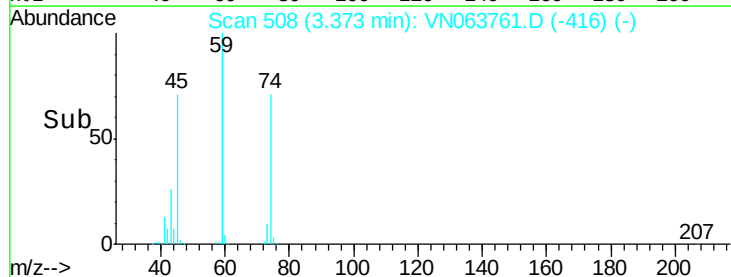
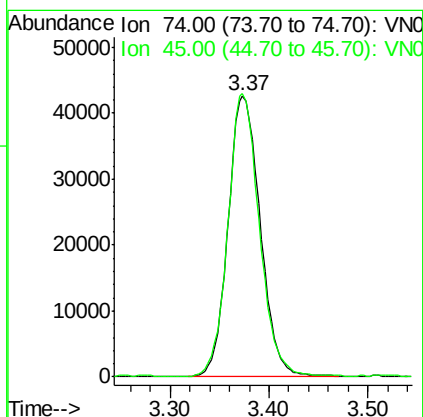
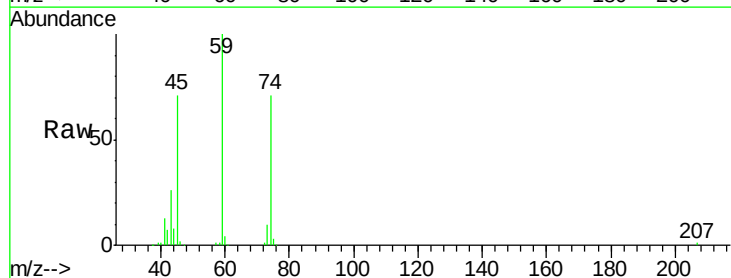
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 10/1/2020 2:40:52 PM

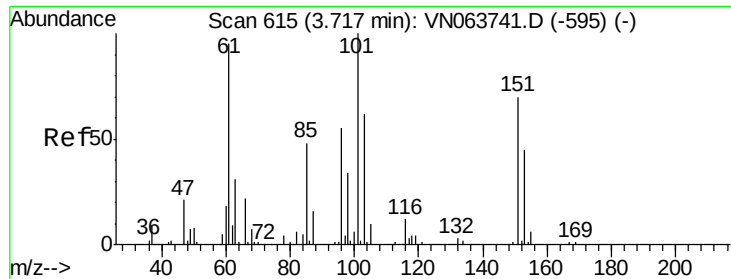


#8

Diethyl Ether
 Concen: 51.446 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	50.9	152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.921 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

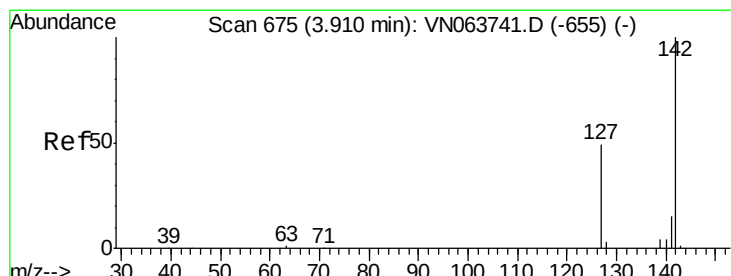
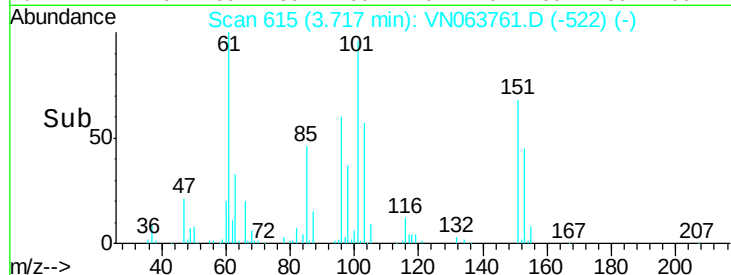
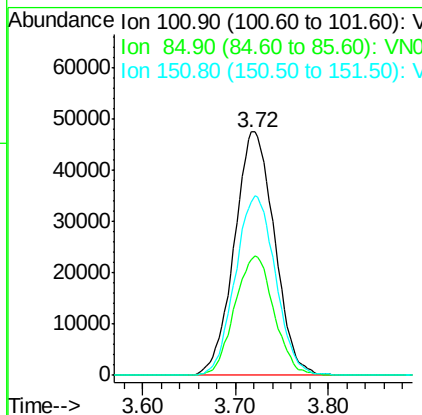
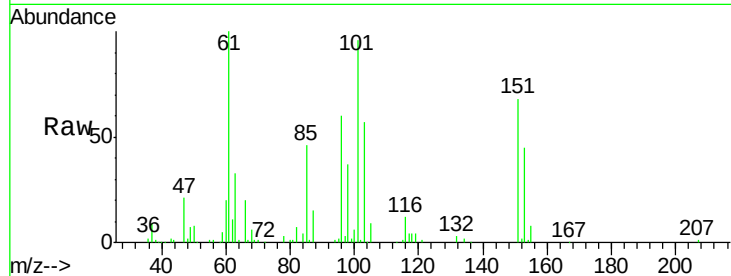
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	142858
Ion Ratio	Lower	Upper	
101	100		
85	48.0	38.6	58.0
151	73.9	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 43.392 ug/l

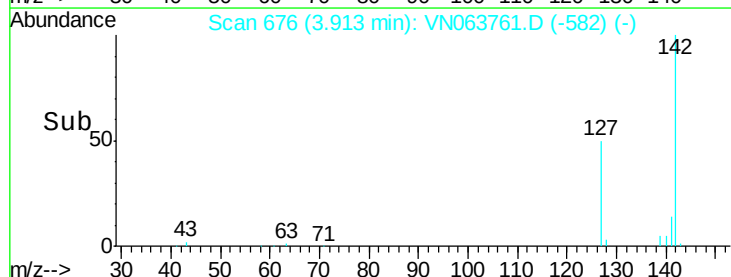
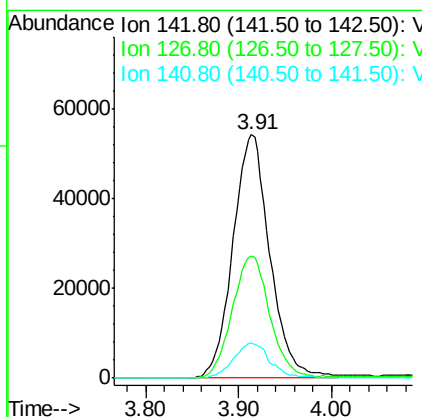
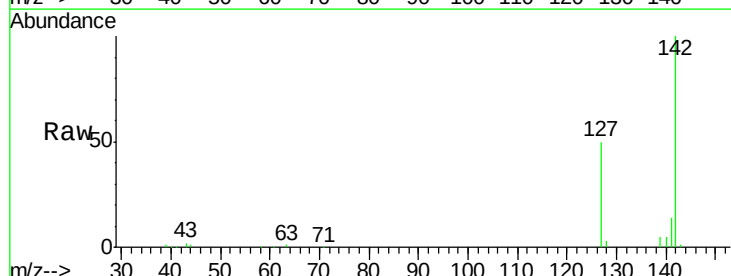
RT: 3.91 min Scan# 676

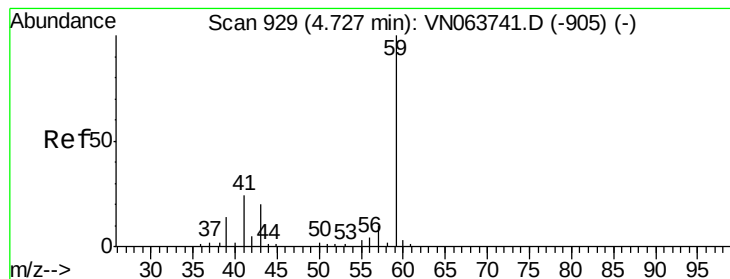
Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Tgt Ion:	142	Resp:	150195
Ion Ratio	Lower	Upper	
142	100		
127	50.9	40.5	60.7
141	14.3	11.7	17.5





#11

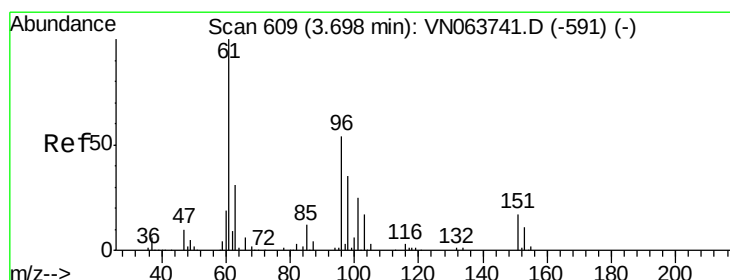
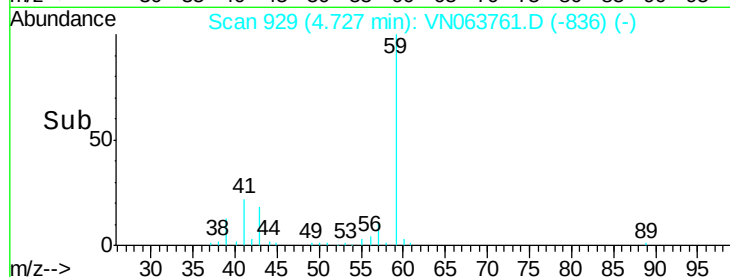
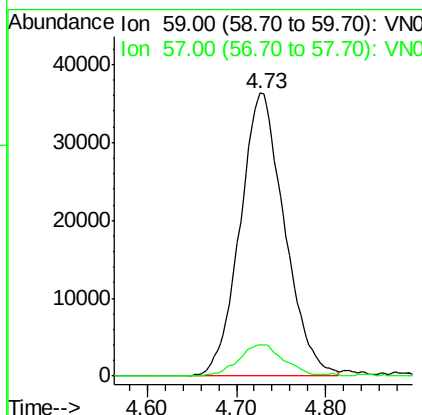
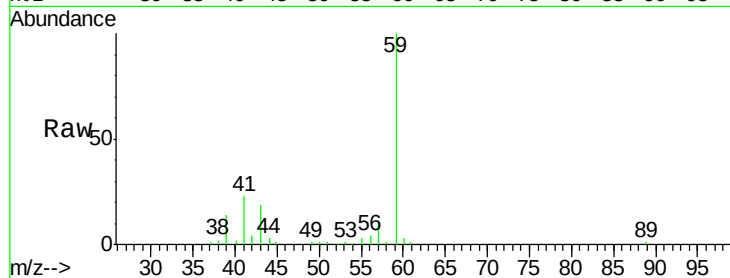
Tert butyl alcohol
 Concen: 244.360 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.7	13.1

Manual Integrations
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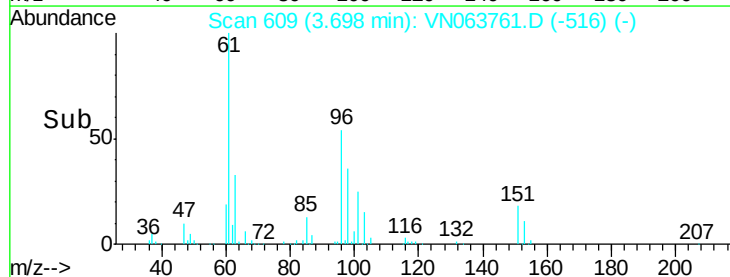
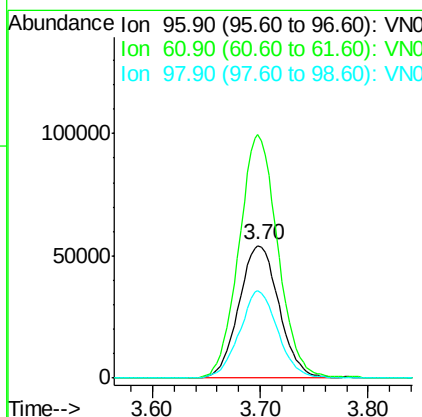
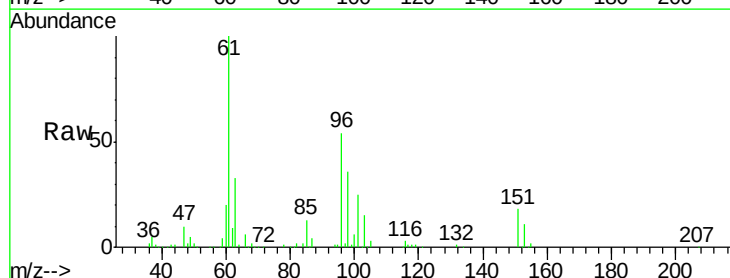
MMDadoda
 10/1/2020 2:40:52 PM

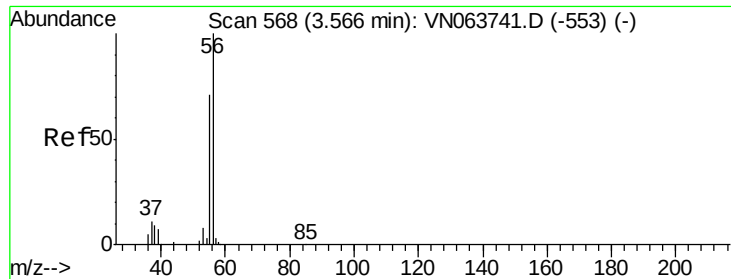


#12

1,1-Dichloroethene
 Concen: 49.269 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.5	147.7	221.5
98	66.1	51.9	77.9





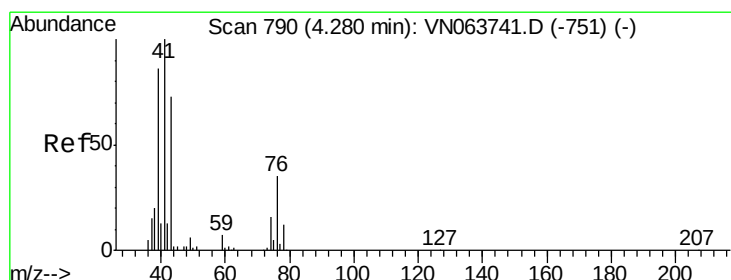
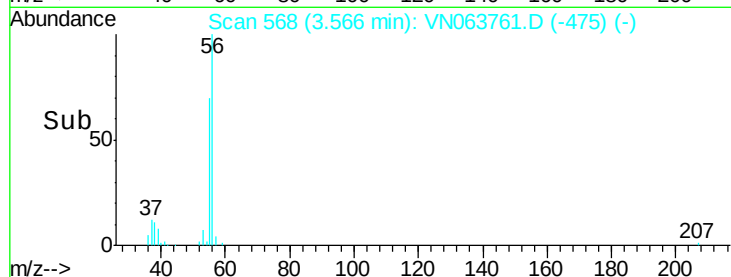
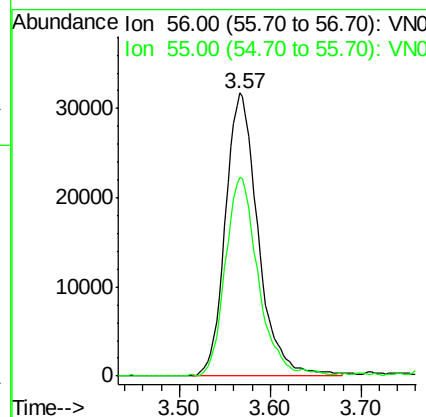
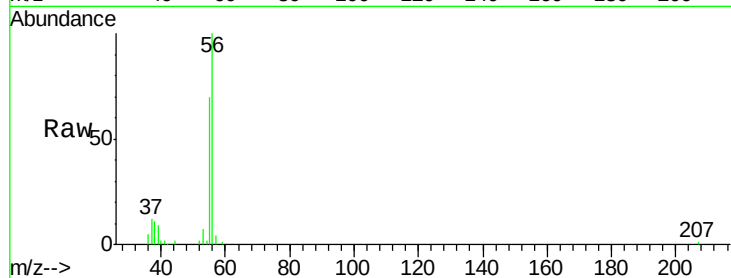
#13
 Acrolein
 Concen: 250.905 ug/l
 RT: 3.57 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	Resp	79478
Ion Ratio	100	Lower	Upper
56	100		
55	69.3	56.9	85.3

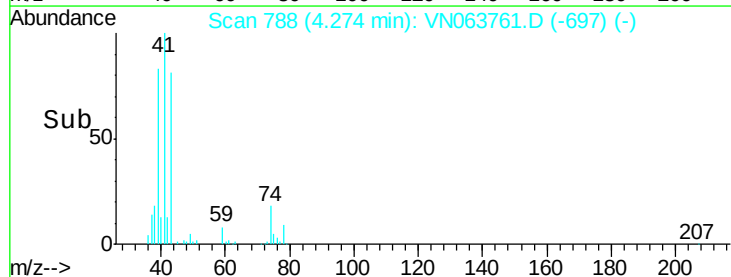
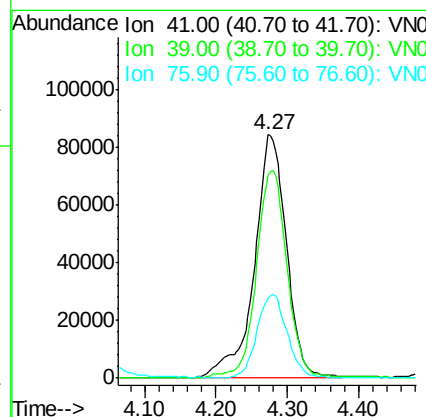
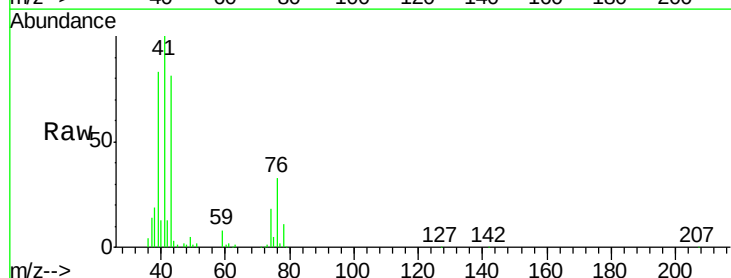
Manual Integrations
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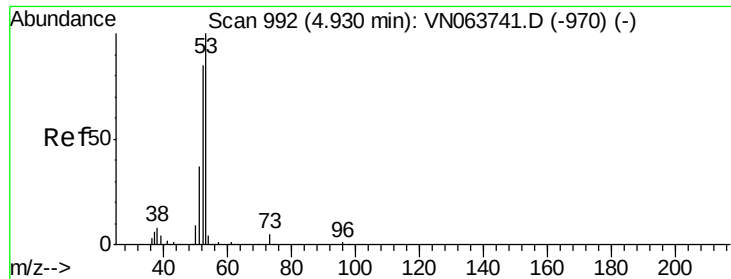
MMDadoda
 10/1/2020 2:40:52 PM



#14
 Allyl chloride
 Concen: 49.926 ug/l
 RT: 4.27 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion	41	Resp	264294
Ion Ratio	100	Lower	Upper
41	100		
39	80.5	64.5	96.7
76	31.5	25.9	38.9





#15

Acrylonitrile

Concen: 250.781 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

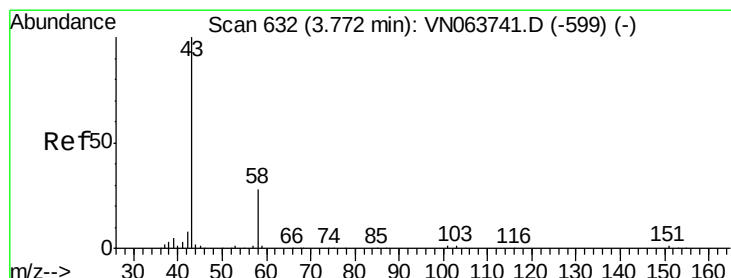
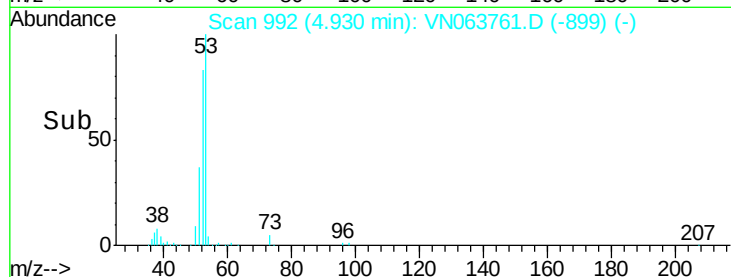
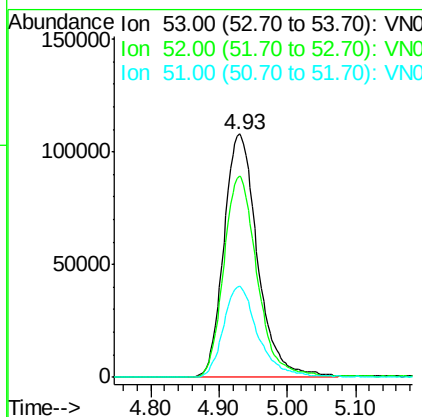
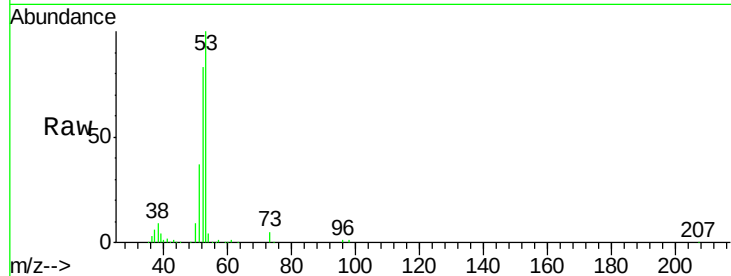
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	370494
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.5	99.7
51	38.6	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 234.079 ug/l

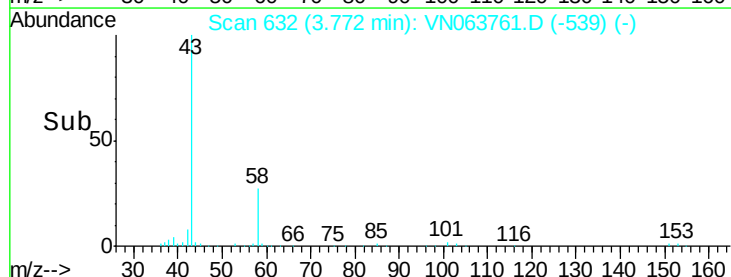
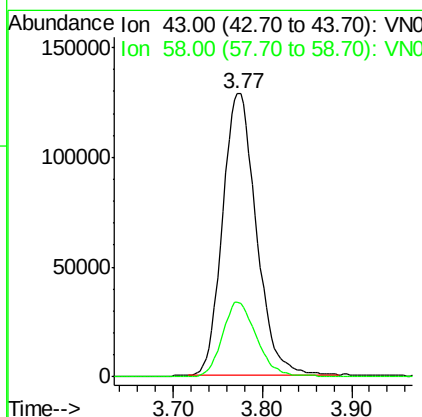
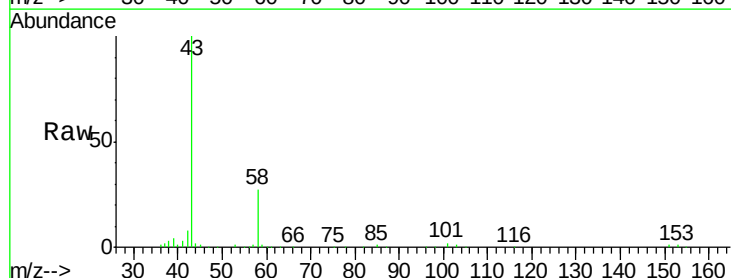
RT: 3.77 min Scan# 632

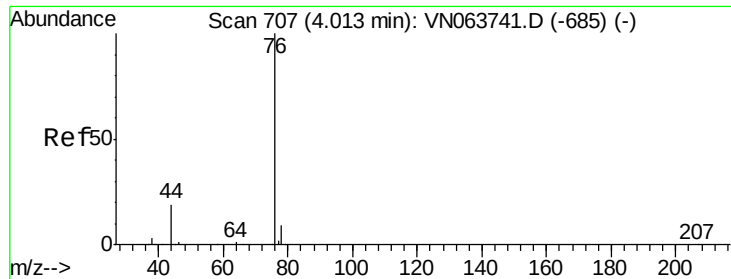
Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Tgt Ion:	43	Resp:	336857
Ion Ratio	Lower	Upper	
43	100		
58	26.5	22.3	33.5





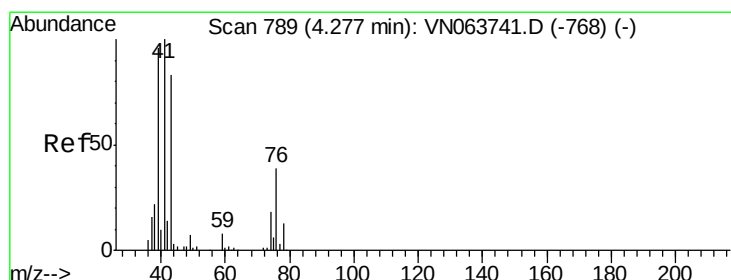
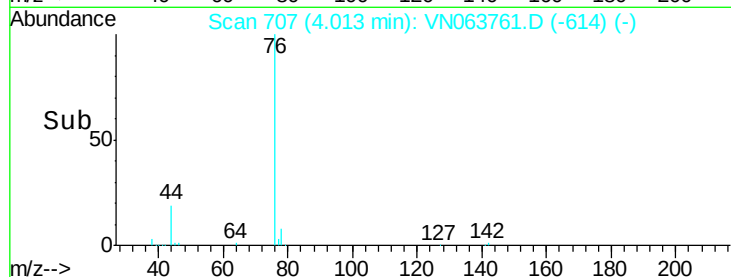
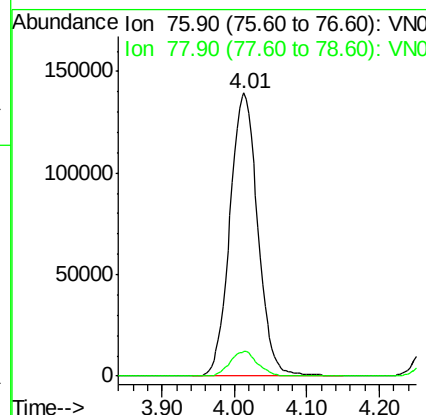
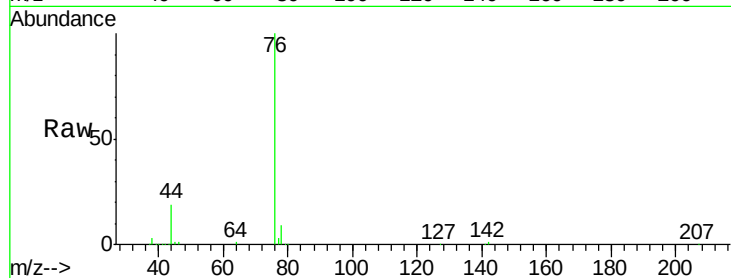
#17
Carbon Disulfide
Concen: 48.435 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

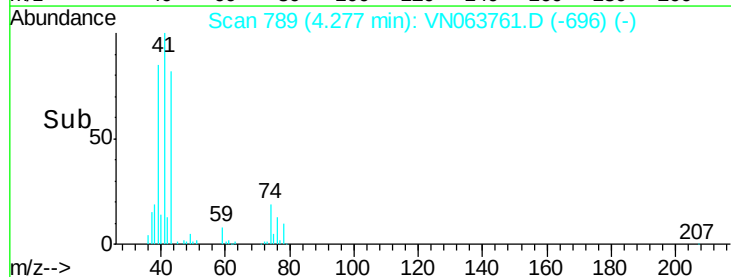
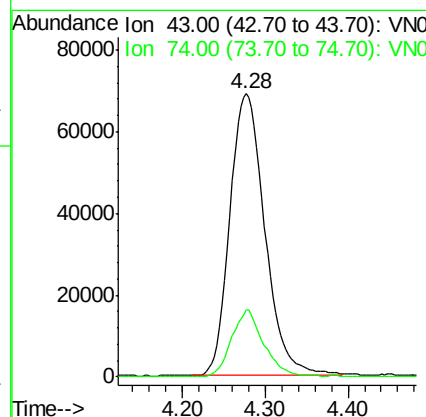
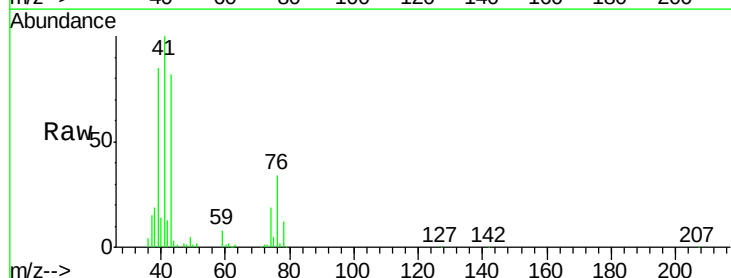
Manual Integrations
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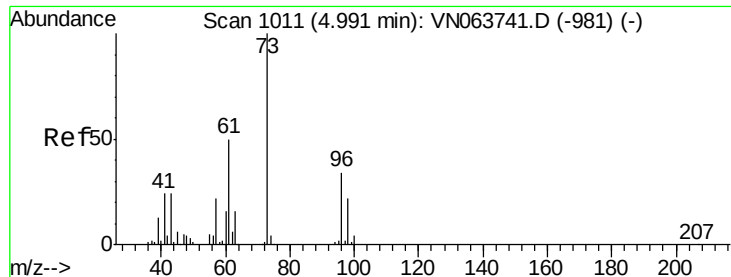
MMDadoda
10/1/2020 2:40:52 PM



#18
Methyl Acetate
Concen: 54.267 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.4	26.2





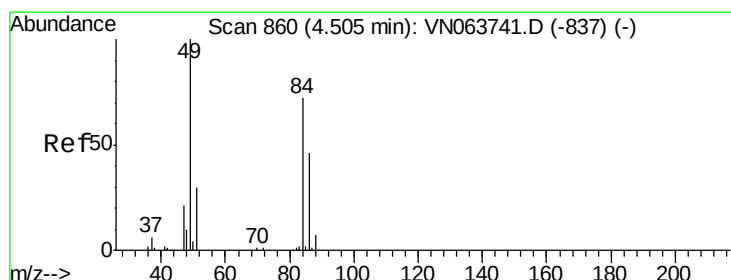
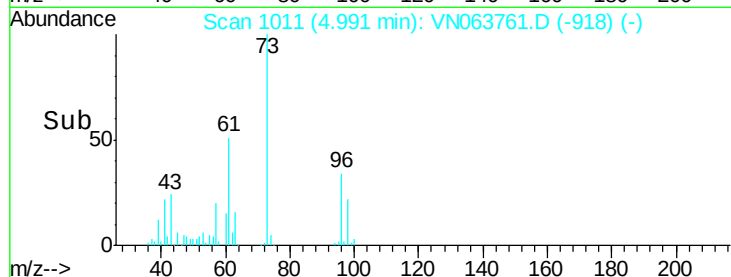
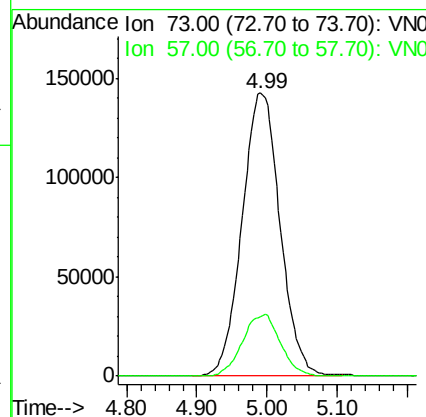
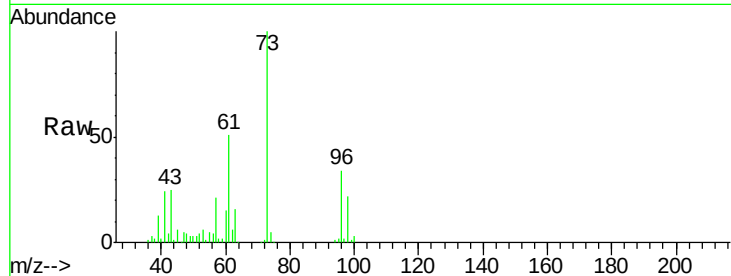
#19
Methyl tert-butyl Ether
Concen: 51.689 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 535101
Ion Ratio Lower Upper
73 100
57 21.1 17.6 26.4

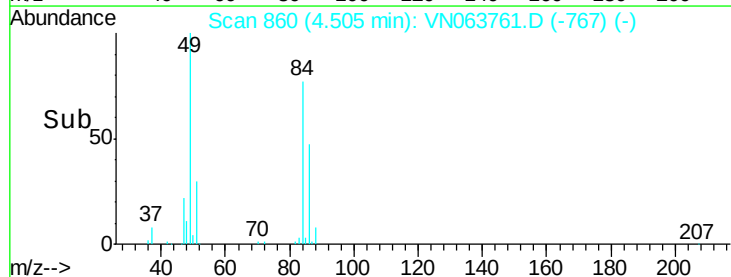
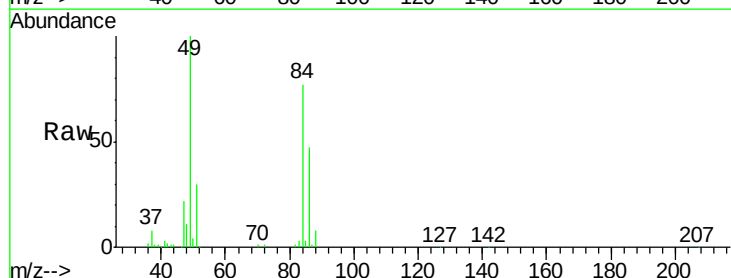
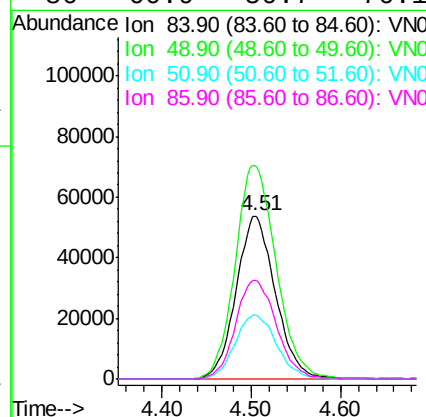
Manual Integrations
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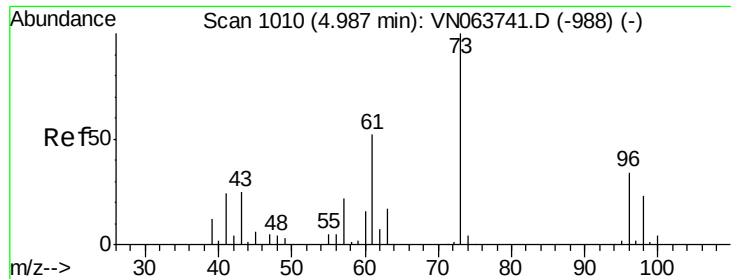
MMDadoda
10/1/2020 2:40:52 PM



#20
Methylene Chloride
Concen: 49.705 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion: 84 Resp: 163836
Ion Ratio Lower Upper
84 100
49 129.8 110.4 165.6
51 39.0 33.3 49.9
86 60.9 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 47.931 ug/l

RT: 4.99 min Scan# 1011

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 152978

Ion Ratio Lower Upper

96 100

61 150.3 120.2 180.2

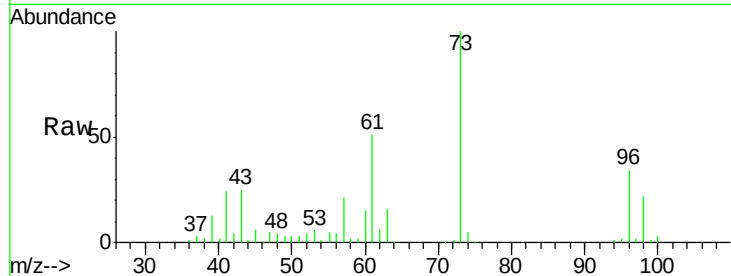
98 64.9 52.6 79.0

Manual Integrations

APPROVED

MMDadoda

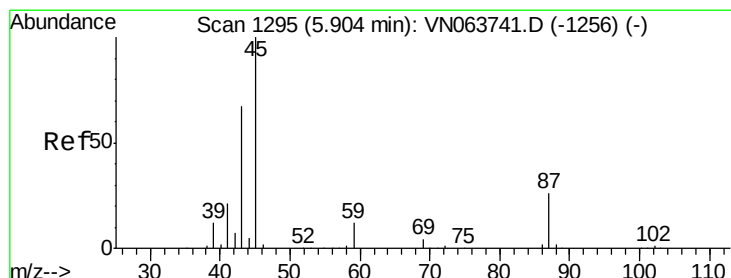
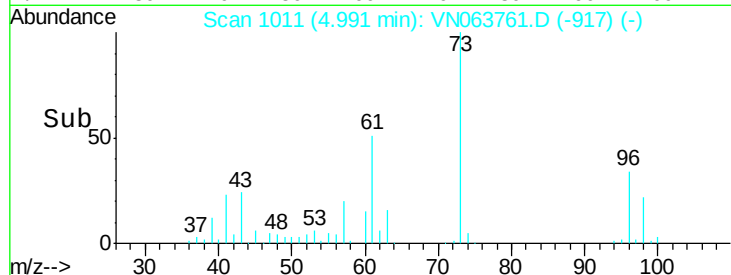
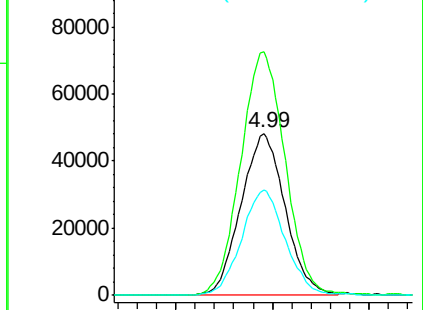
10/1/2020 2:40:52 PM



Abundance Ion 95.90 (95.60 to 96.60): VN063761.D (-1010) (-)

Ion 60.90 (60.60 to 61.60): VN063761.D (-1010) (-)

Ion 97.90 (97.60 to 98.60): VN063761.D (-1010) (-)



#22

Diisopropyl ether

Concen: 52.376 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Tgt Ion: 45 Resp: 570449

Ion Ratio Lower Upper

45 100

43 67.6 53.7 80.5

87 26.2 21.1 31.7

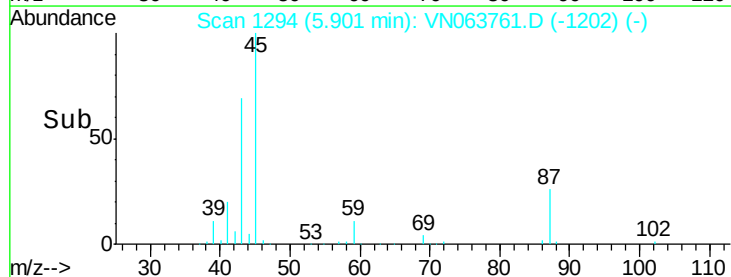
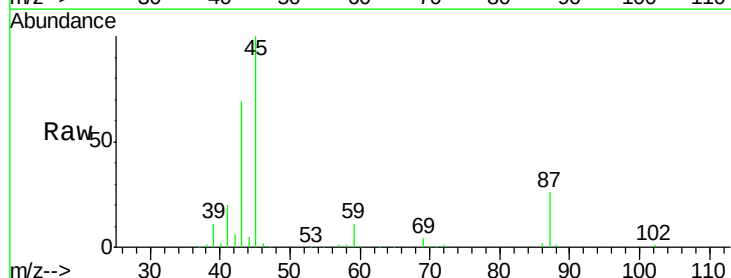
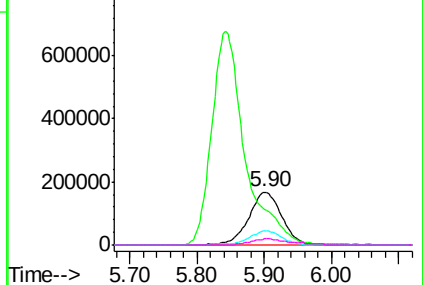
59 11.1 9.2 13.8

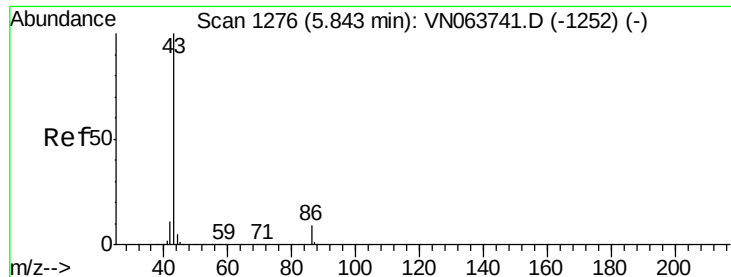
Abundance Ion 45.00 (44.70 to 45.70): VN063761.D (-1294) (-)

Ion 43.00 (42.70 to 43.70): VN063761.D (-1294) (-)

Ion 87.00 (86.70 to 87.70): VN063761.D (-1294) (-)

Ion 59.00 (58.70 to 59.70): VN063761.D (-1294) (-)





#23

Vinyl Acetate

Concen: 258.739 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2334364

Ion Ratio Lower Upper

43 100

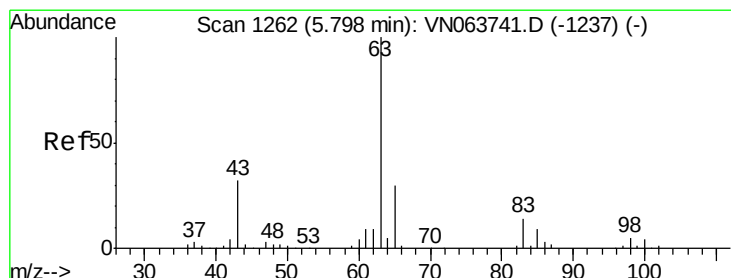
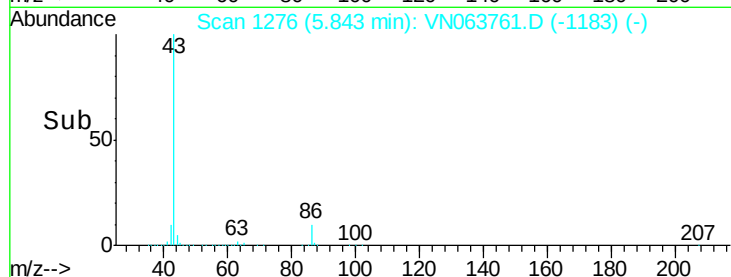
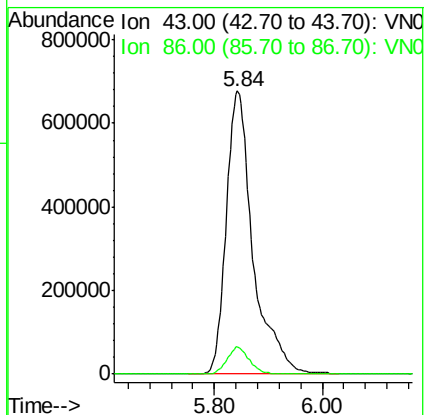
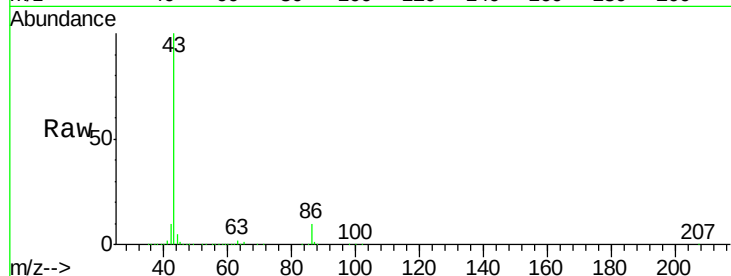
86 9.6 7.3 10.9

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 48.998 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

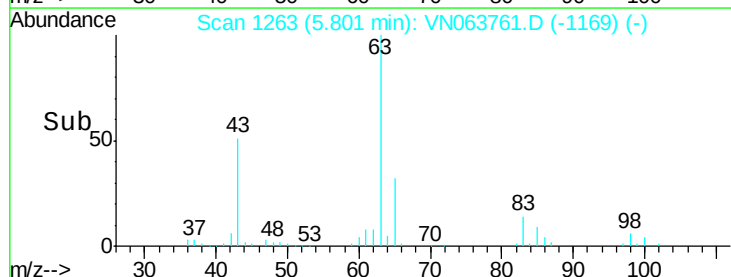
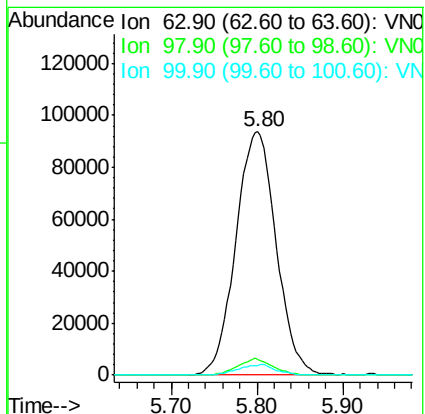
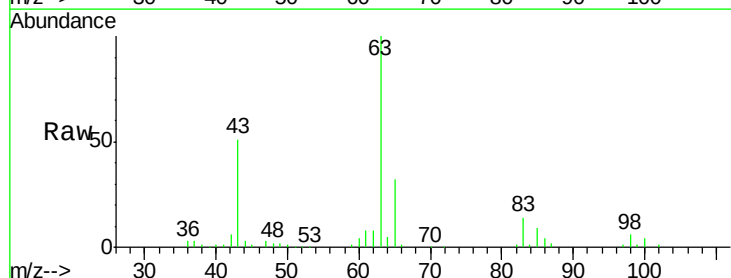
Tgt Ion: 63 Resp: 305133

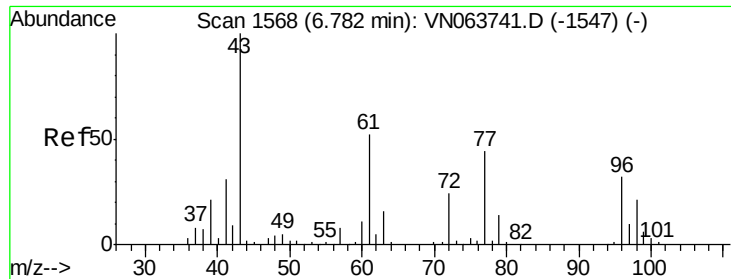
Ion Ratio Lower Upper

63 100

98 6.4 2.7 8.1

100 4.0 1.9 5.7





#25

2-Butanone

Concen: 251.753 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 513639

Ion Ratio Lower Upper

43 100

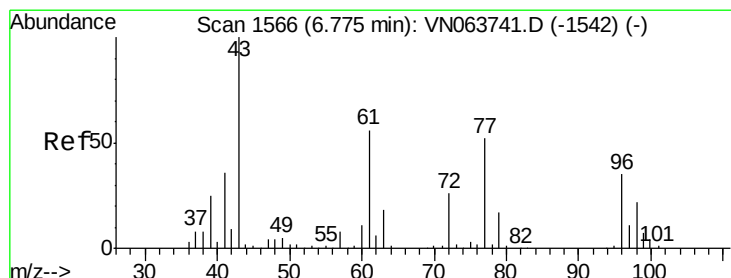
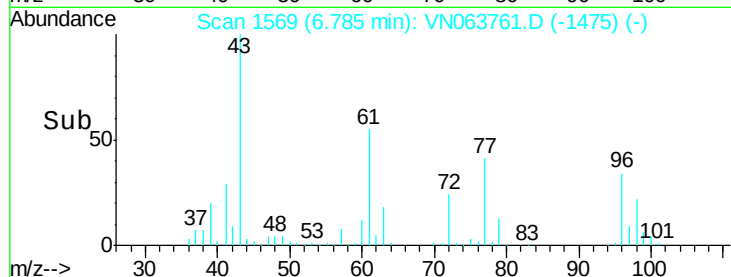
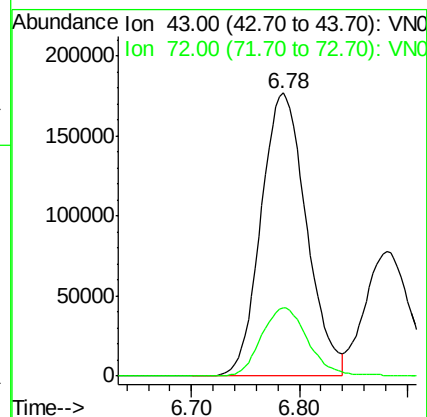
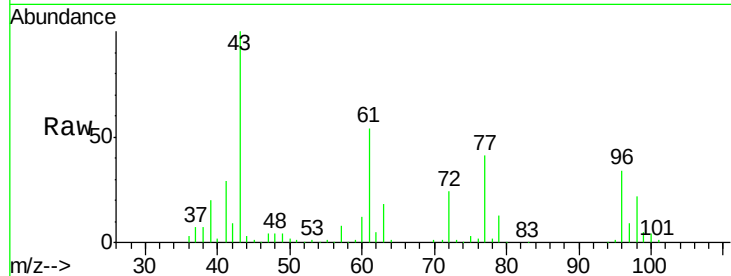
72 24.2 19.3 28.9

Manual Integrations

APPROVED

MMDadoda

10/1/2020 2:40:52 PM



#26

2,2-Dichloropropane

Concen: 43.001 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN063761.D

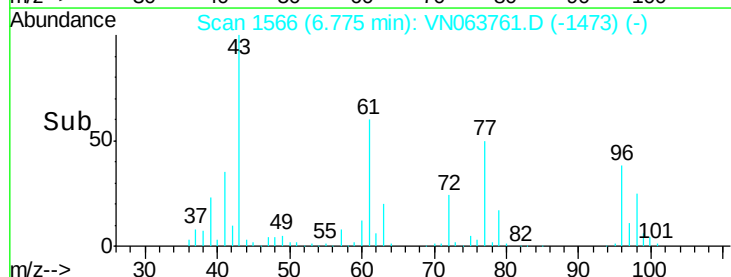
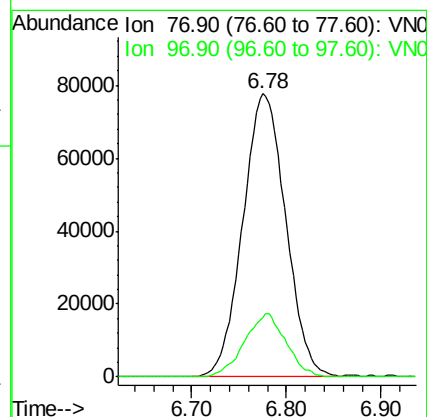
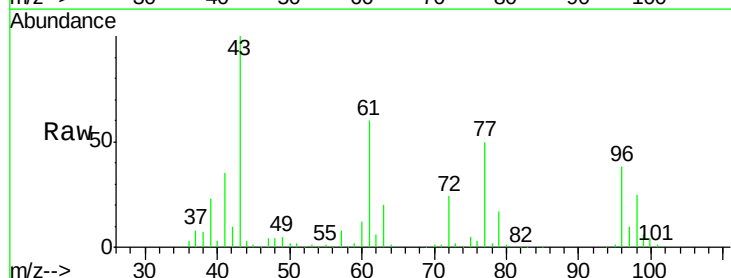
Acq: 30 Sep 2020 19:55

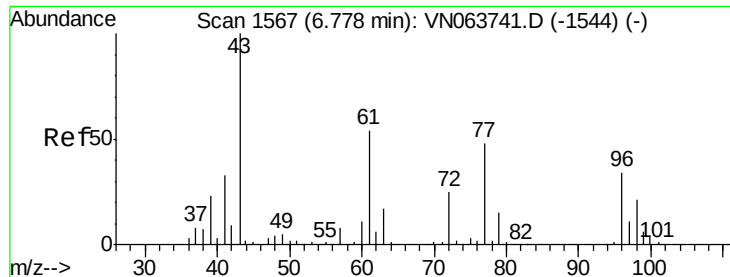
Tgt Ion: 77 Resp: 245231

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 49.556 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

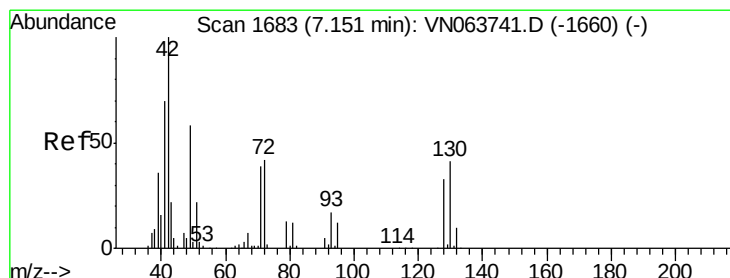
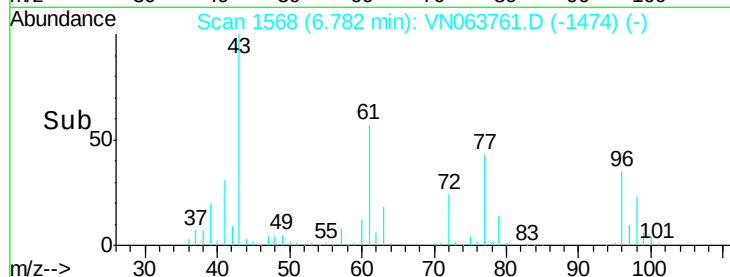
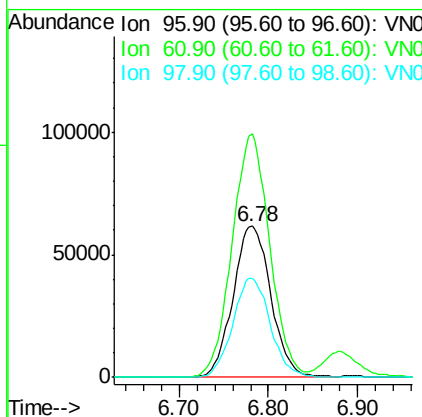
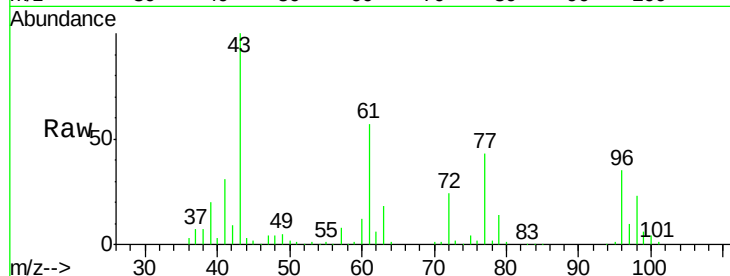
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	181905
Ion Ratio	Lower	Upper	
96	100		
61	159.3	0.0	321.2
98	65.0	0.0	124.4

Manual Integrations
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#28

Bromochloromethane

Concen: 48.906 ug/l

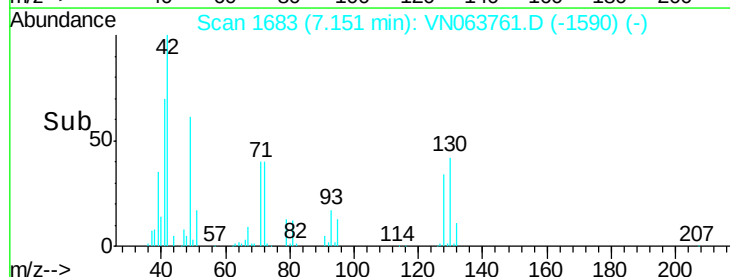
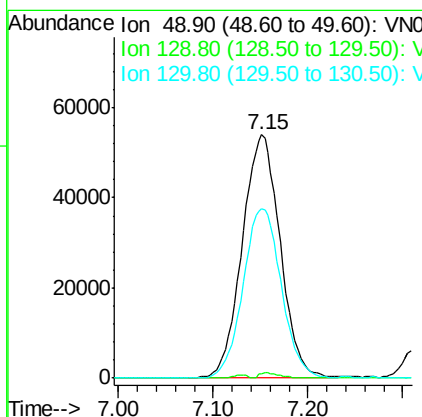
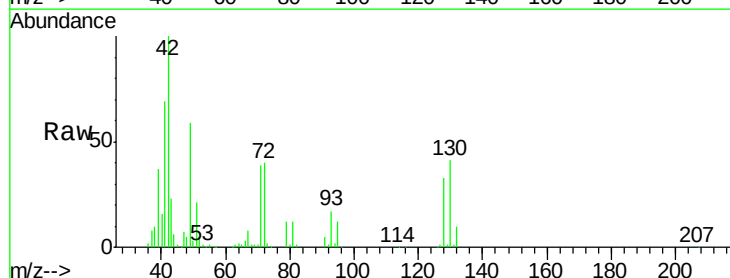
RT: 7.15 min Scan# 1683

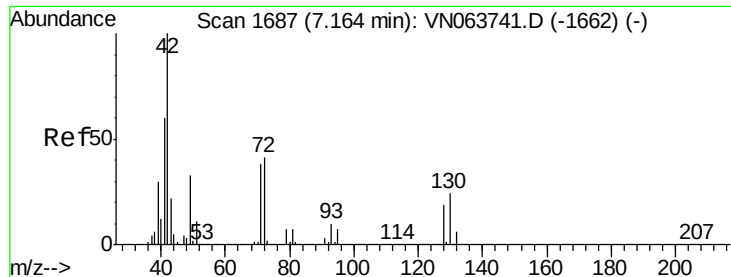
Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Tgt Ion:	49	Resp:	150530
Ion Ratio	Lower	Upper	
49	100		
129	1.2	0.0	4.8
130	70.2	55.6	83.4





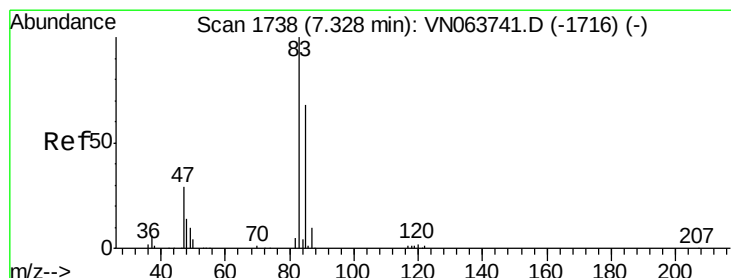
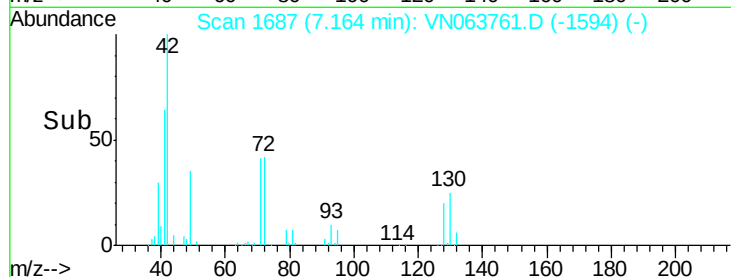
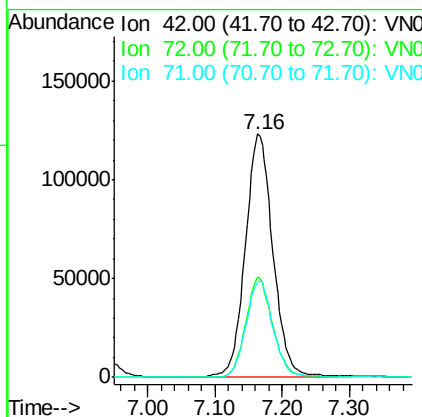
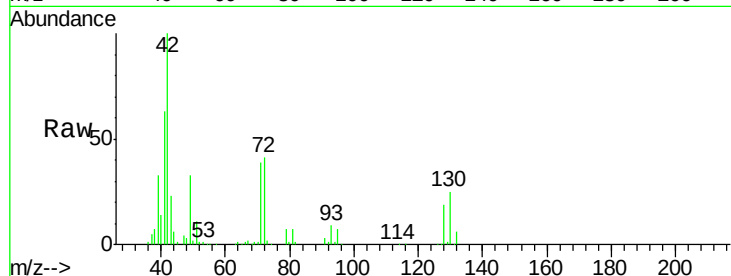
#29
Tetrahydrofuran
Concen: 256.398 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.8	49.2
71	38.8	30.6	45.8

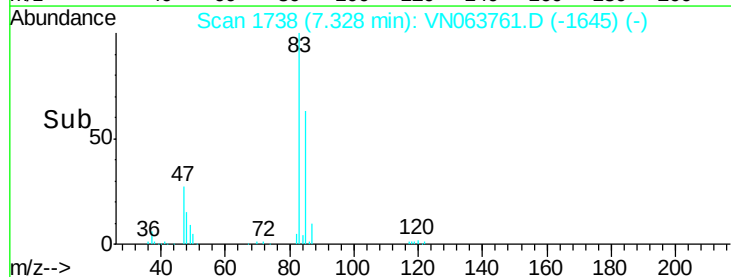
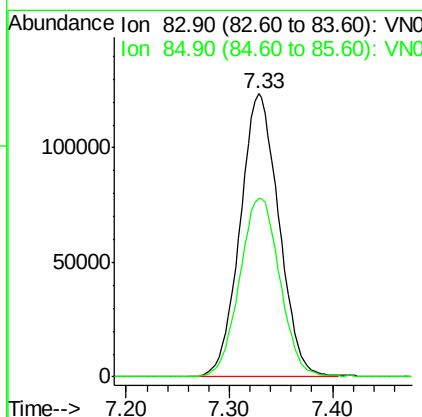
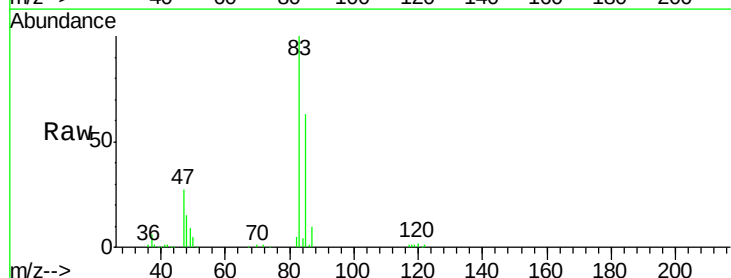
Manual Integrations
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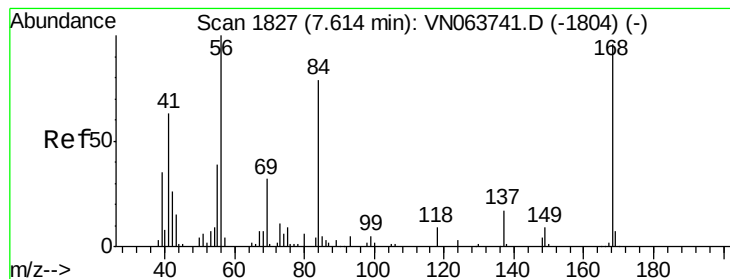
MMDadoda
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#30
Chloroform
Concen: 49.732 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.9	54.6	82.0





#31

Cyclohexane

Concen: 45.919 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

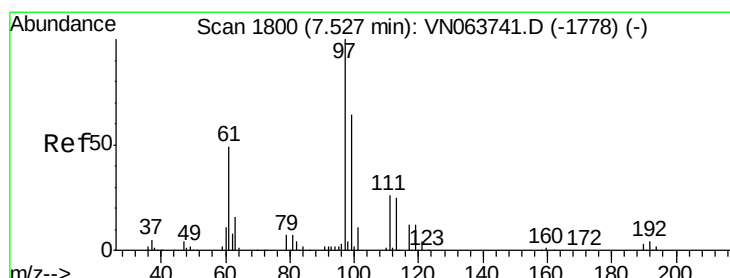
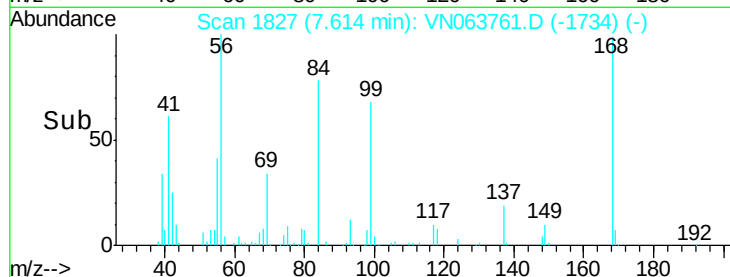
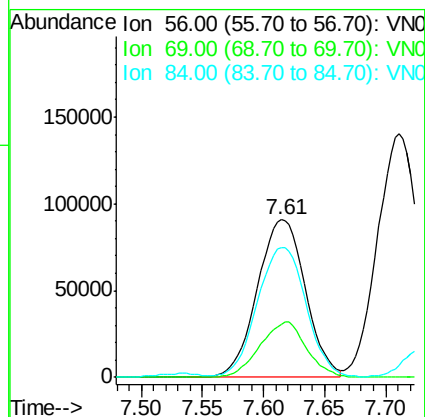
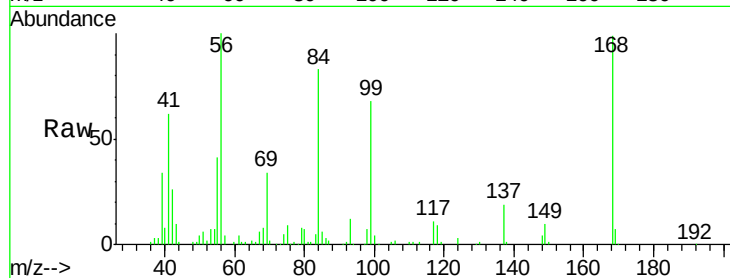
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	249214
Ion Ratio	Lower	Upper	
56	100		
69	33.9	25.4	38.2
84	80.4	63.3	94.9

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 50.710 ug/l

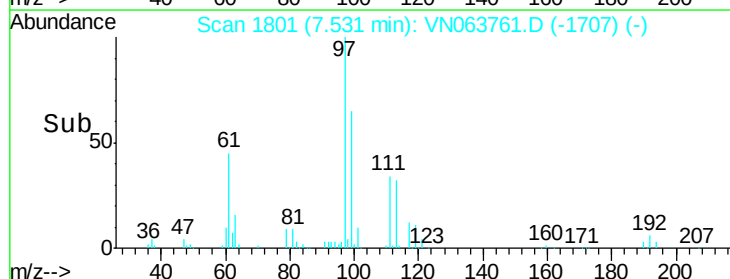
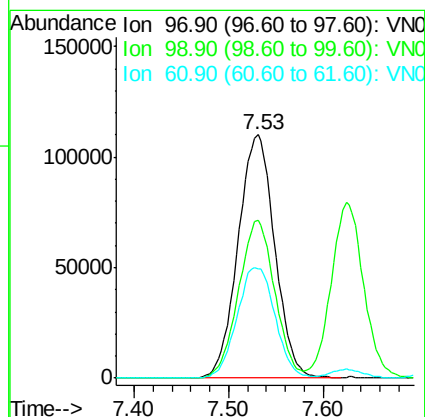
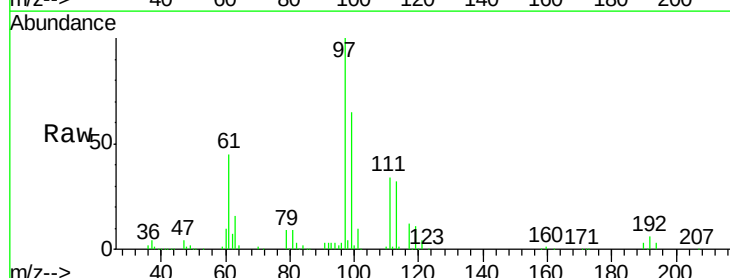
RT: 7.53 min Scan# 1801

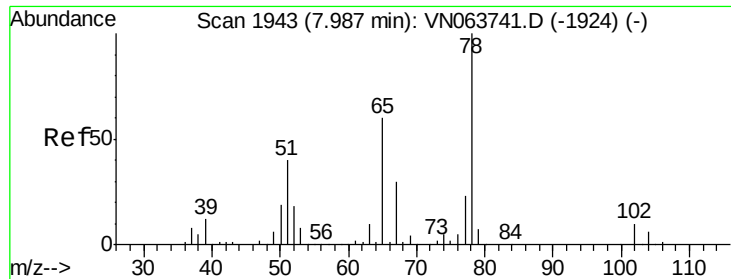
Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Tgt Ion:	97	Resp:	297000
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.0	76.6
61	47.1	38.7	58.1





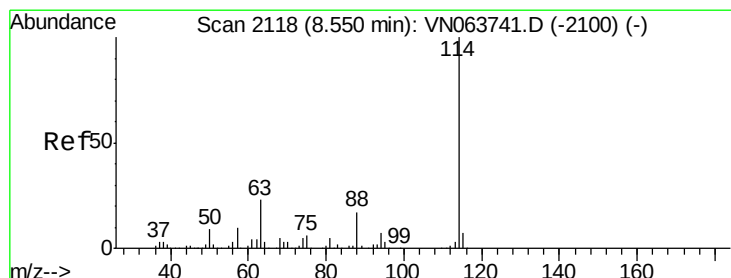
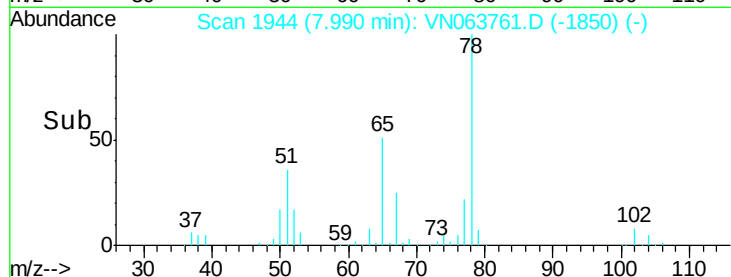
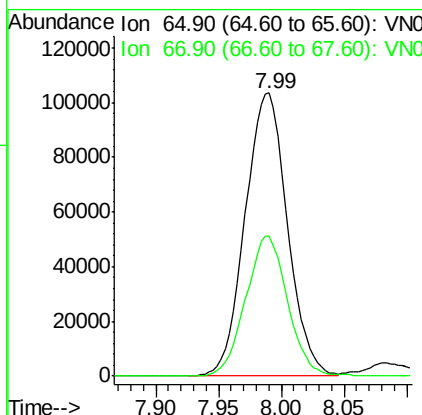
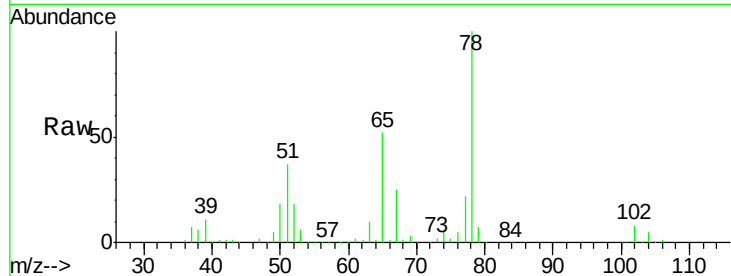
#33
 1,2-Dichloroethane-d4
 Concen: 51.925 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	242740		
67	49.2	0.0	99.6	

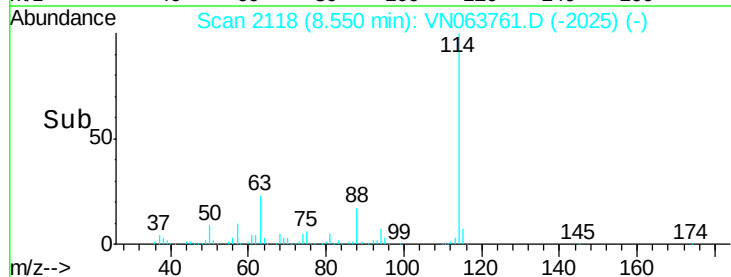
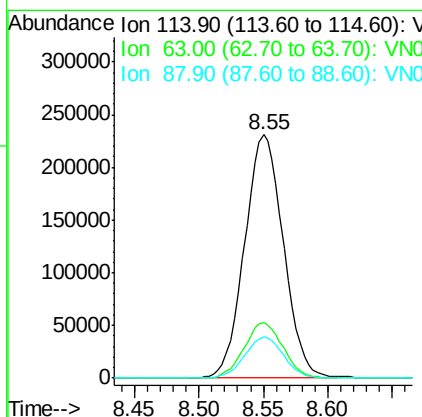
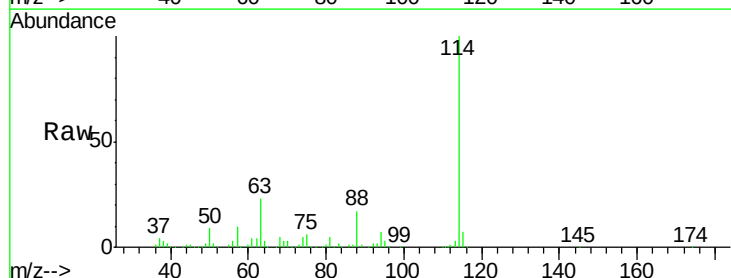
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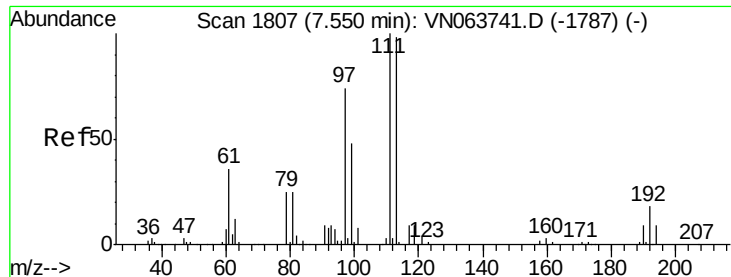
MMDadoda
 10/1/2020 2:40:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	484053		
63	22.8	0.0	45.0	
88	16.7	0.0	34.0	





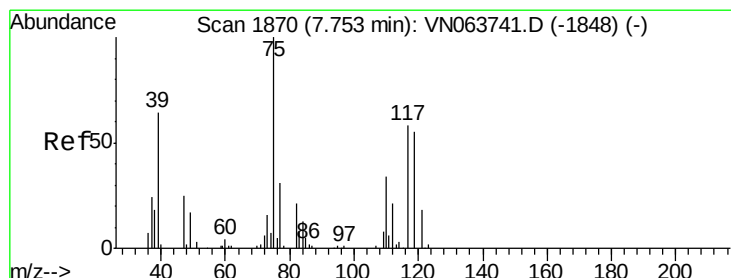
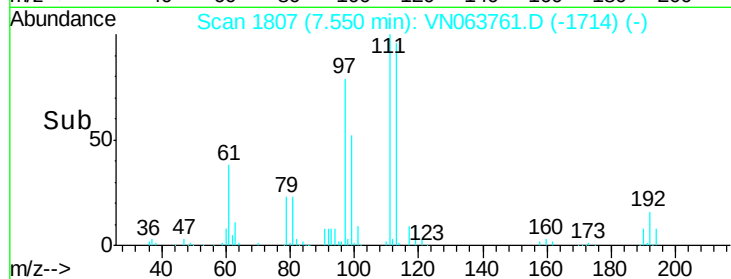
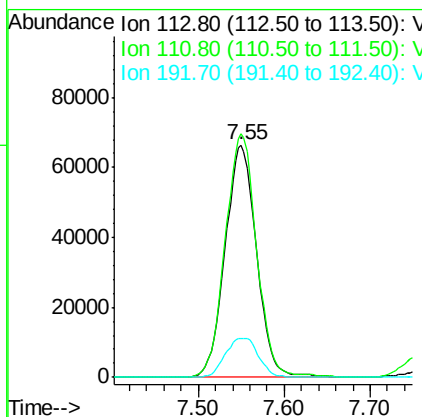
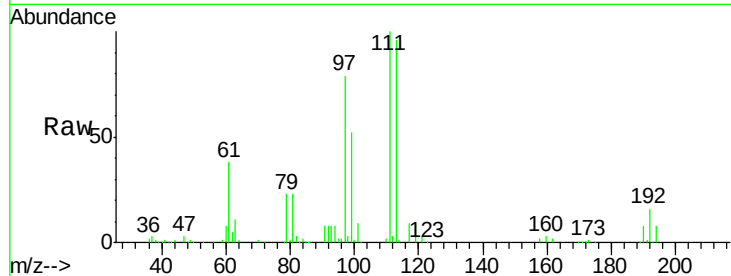
#35
 Dibromofluoromethane
 Concen: 50.210 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168643		
111	104.9	81.8	122.8	
192	18.0	14.2	21.2	

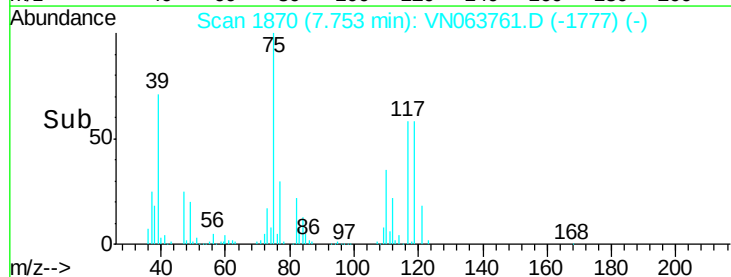
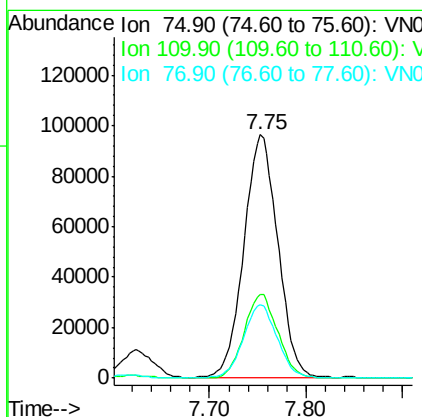
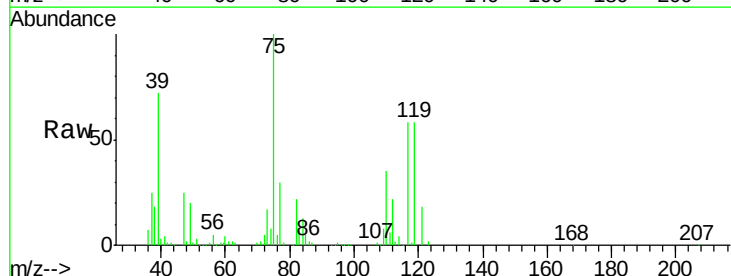
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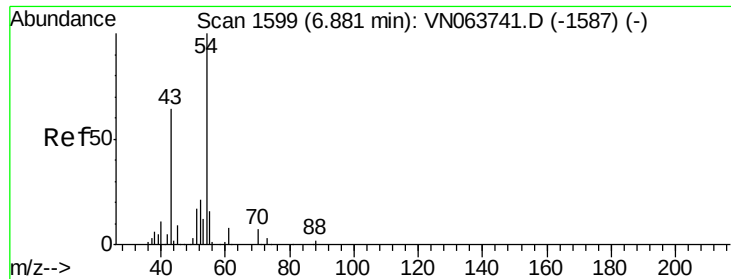
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.681 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	233825		
110	34.2	16.9	50.6	
77	30.3	24.5	36.7	





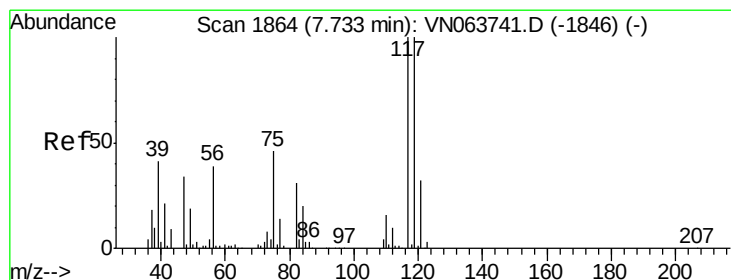
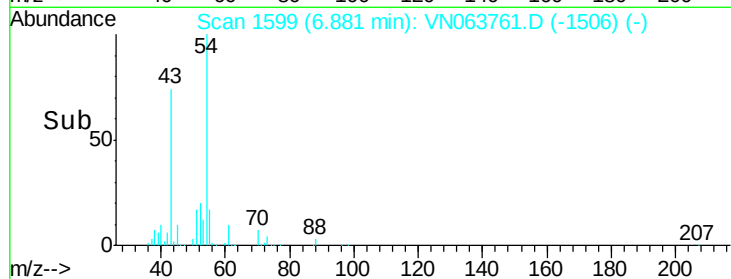
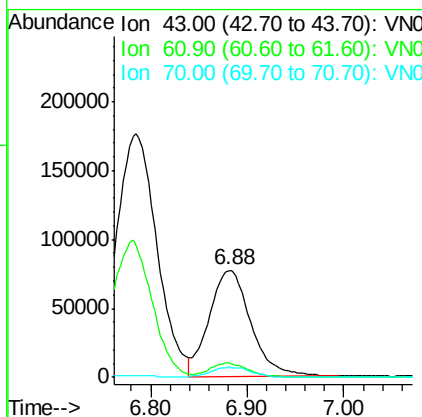
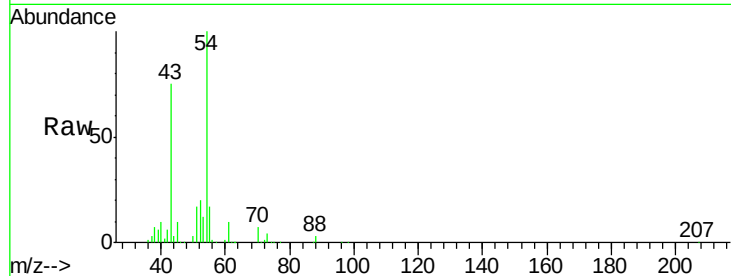
#37
Ethyl Acetate
Concen: 47.259 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100	230250		
61	12.5	10.4	15.6	
70	9.3	7.3	10.9	

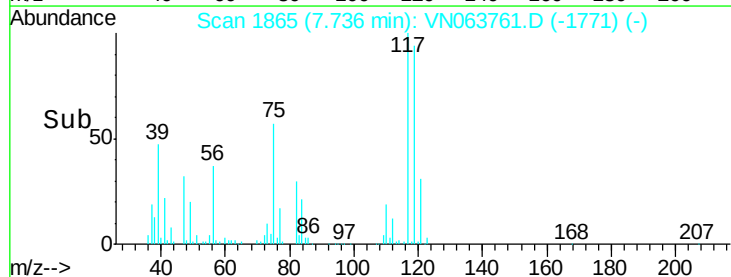
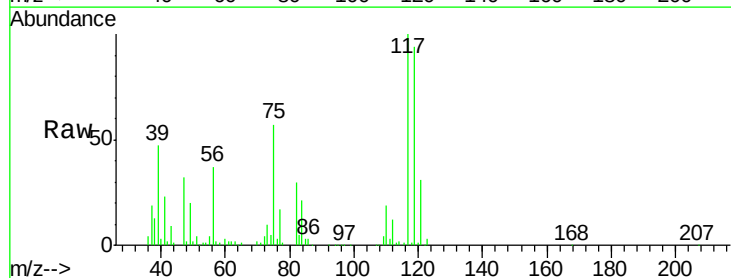
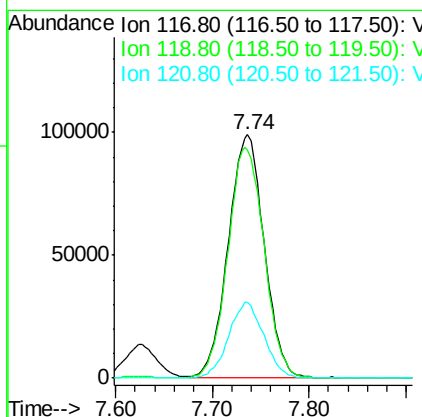
Manual Integrations
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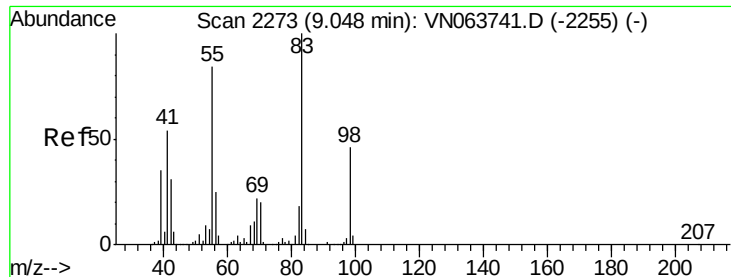
MMDadoda
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#38
Carbon Tetrachloride
Concen: 46.346 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	254854		
119	93.9	80.1	120.1	
121	31.3	25.7	38.5	





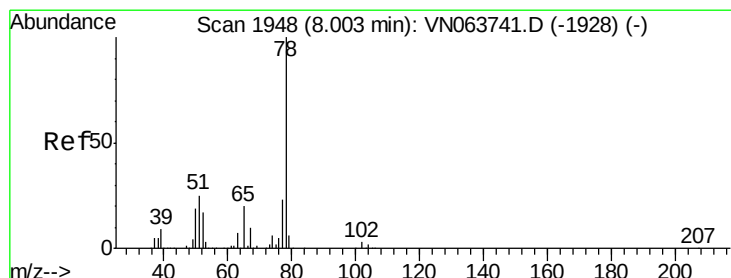
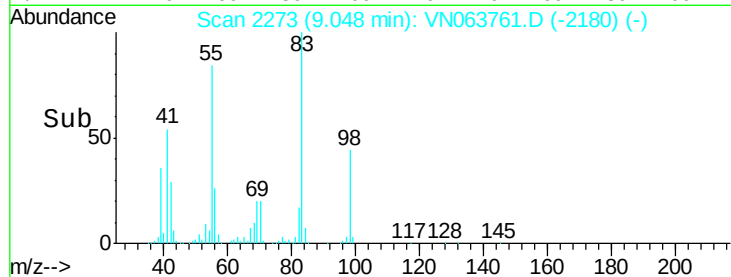
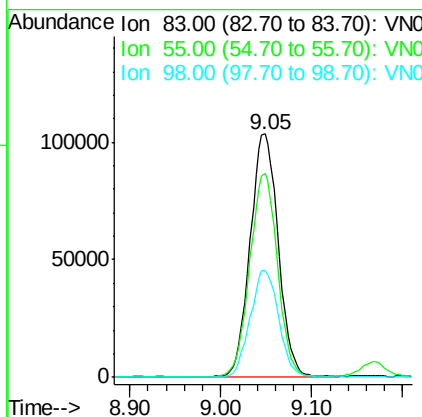
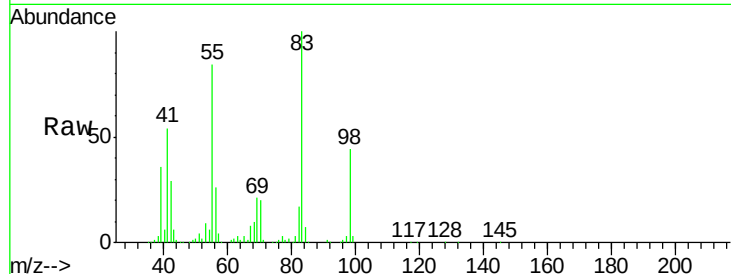
#39
Methylvlcyclohexane
Concen: 45.688 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	223433		
55	83.6	67.1	100.7	
98	43.8	36.6	54.8	

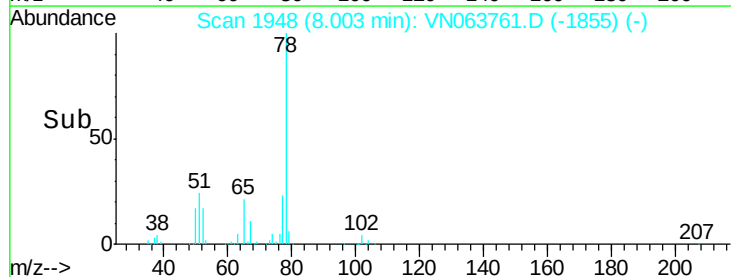
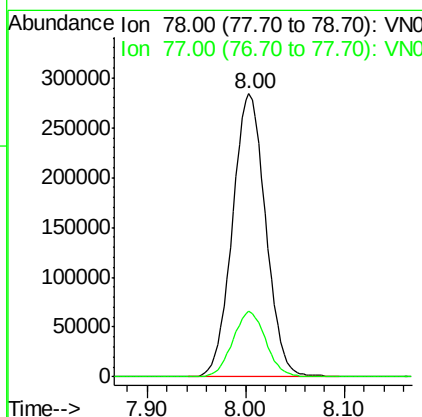
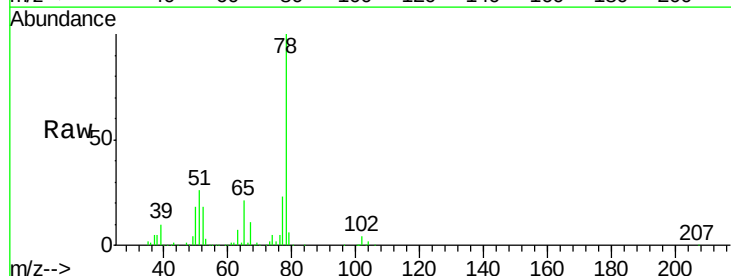
Manual Integrations
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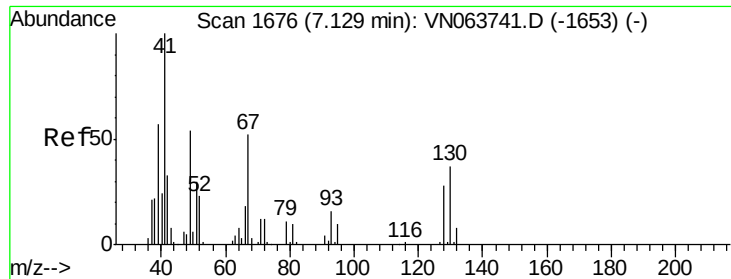
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#40
Benzene
Concen: 47.555 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	666096		
77	23.1	18.7	28.1	





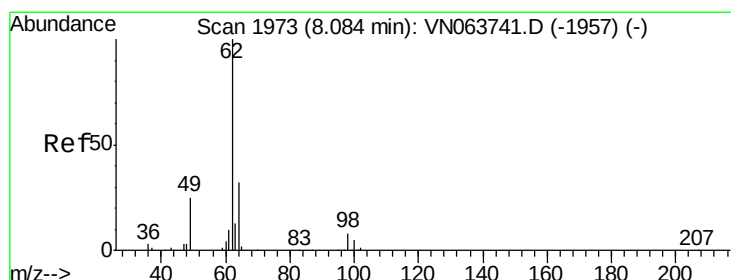
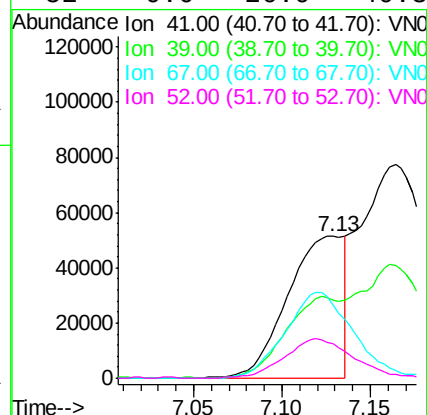
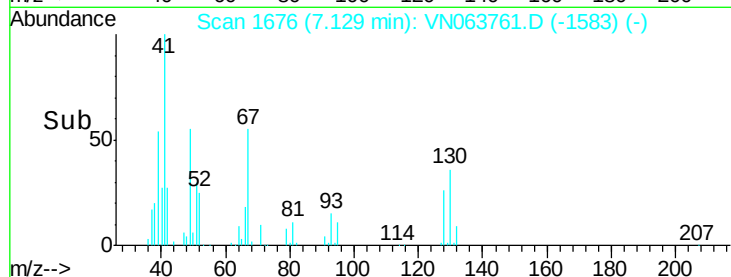
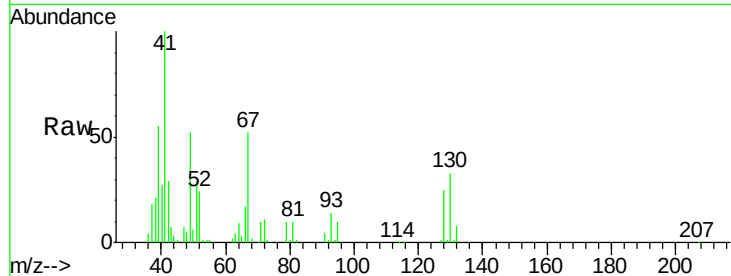
#41
Methacrylonitrile
Concen: 52.690 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	114094
Ion	Ratio	Lower	Upper
41	100		
39	73.1	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

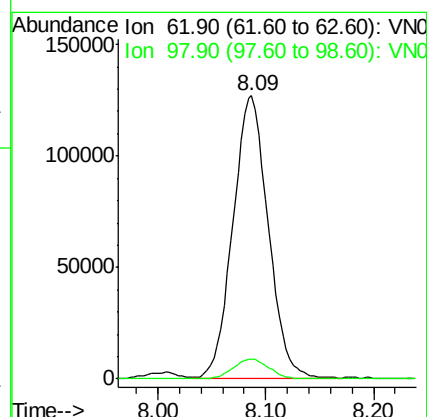
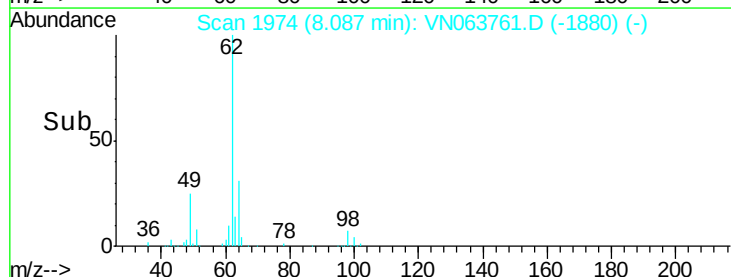
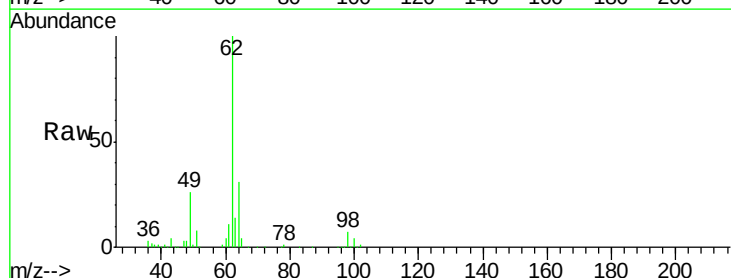
Manual Integrations
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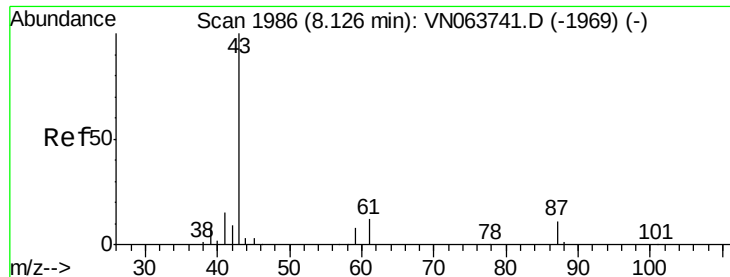
MMDadoda
10/1/2020 2:40:52 PM



#42
1,2-Dichloroethane
Concen: 48.239 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion	62	Resp	288422
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	15.0





#43

Isopropyl Acetate

Concen: 49.540 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

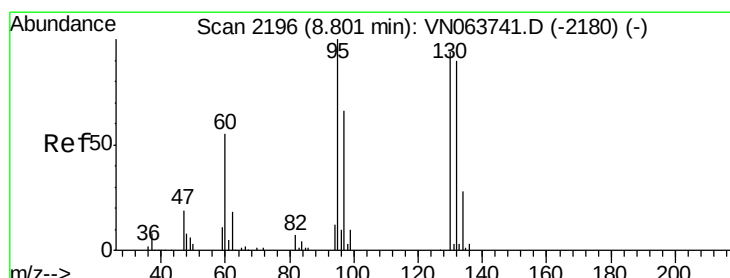
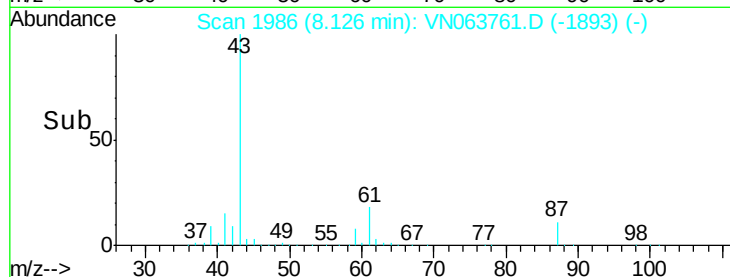
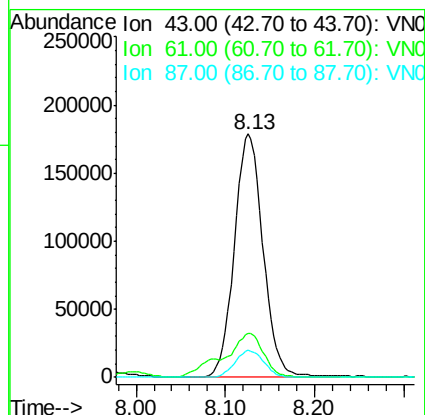
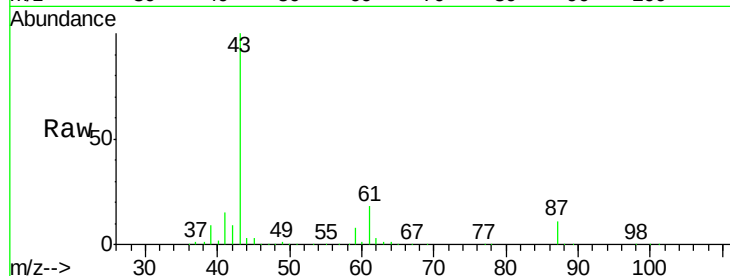
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	398122
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.2	21.4
87	11.3	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 46.705 ug/l

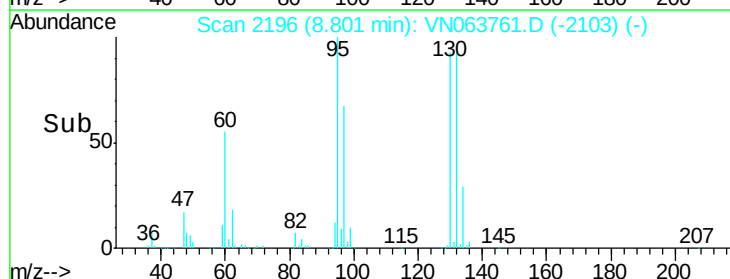
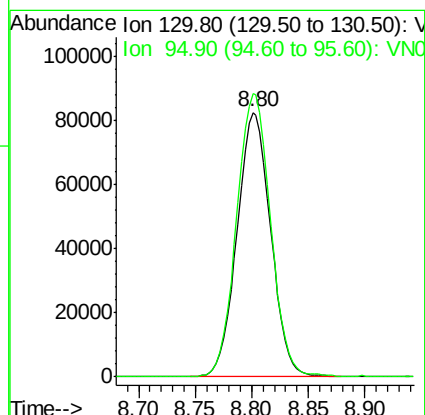
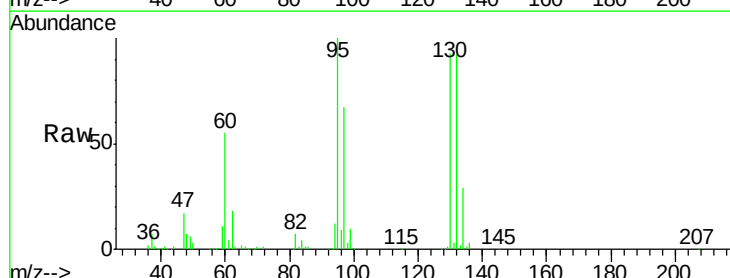
RT: 8.80 min Scan# 2196

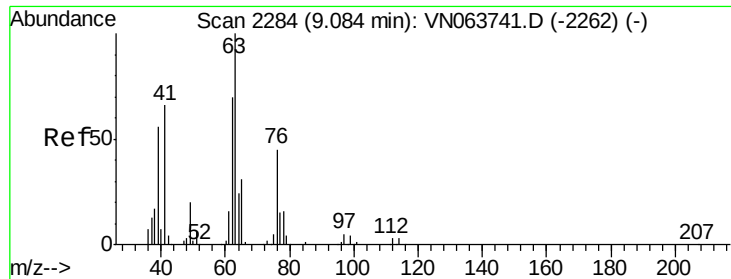
Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Tgt Ion:	130	Resp:	171408
Ion	Ratio	Lower	Upper
130	100		
95	107.1	0.0	213.6





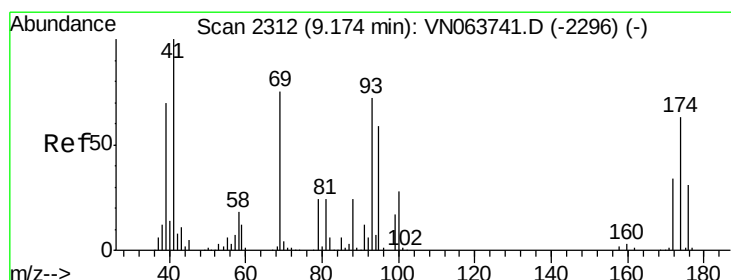
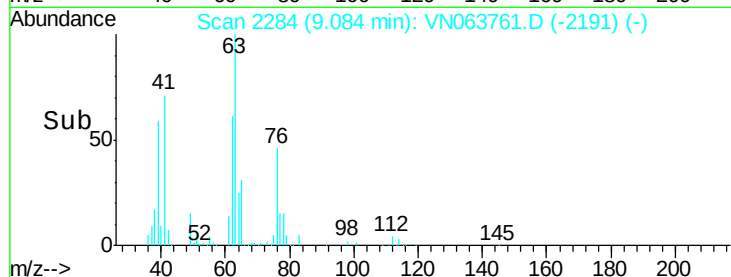
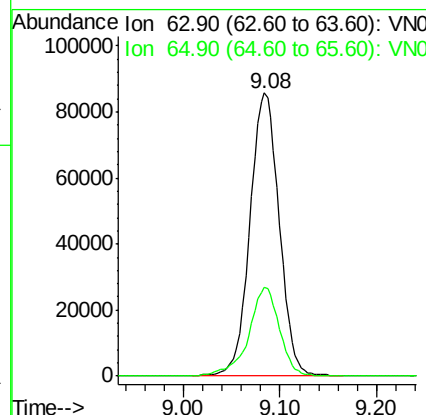
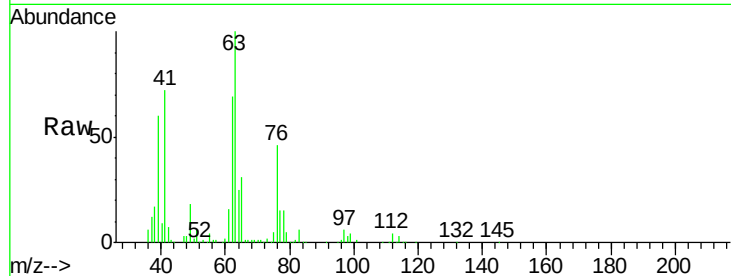
#45
 1,2-Dichloropropane
 Concen: 47.734 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 180570
 Ion Ratio Lower Upper
 63 100
 65 31.4 24.7 37.1

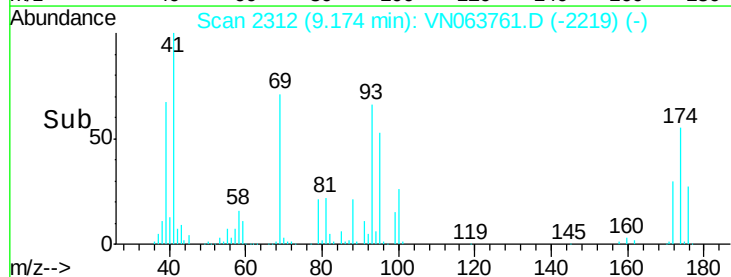
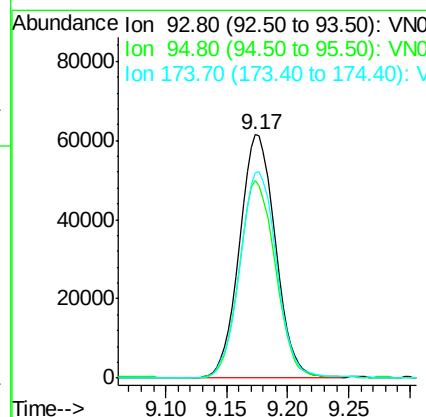
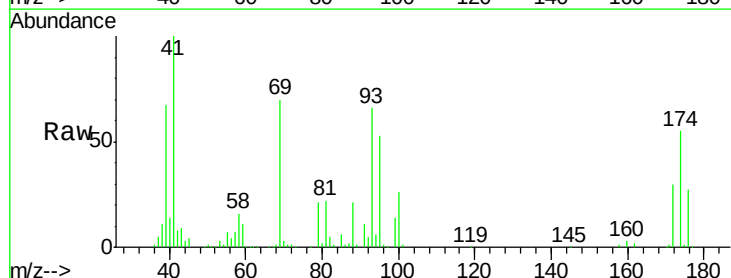
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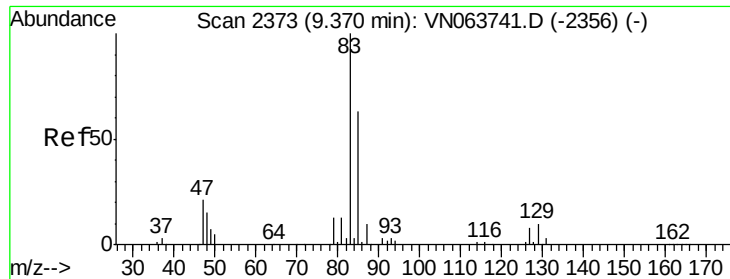
MMDadoda
 10/1/2020 2:40:52 PM



#46
 Dibromomethane
 Concen: 48.210 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion: 93 Resp: 125807
 Ion Ratio Lower Upper
 93 100
 95 82.1 66.3 99.5
 174 86.7 72.7 109.1





#47

Bromodichloromethane

Concen: 48.148 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 83 Resp: 258951
Ion Ratio Lower Upper

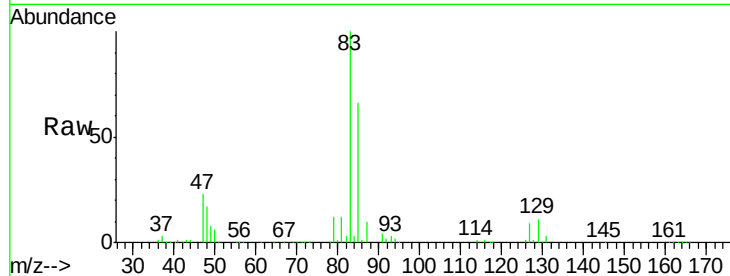
83 100

85 65.8 50.6 75.8

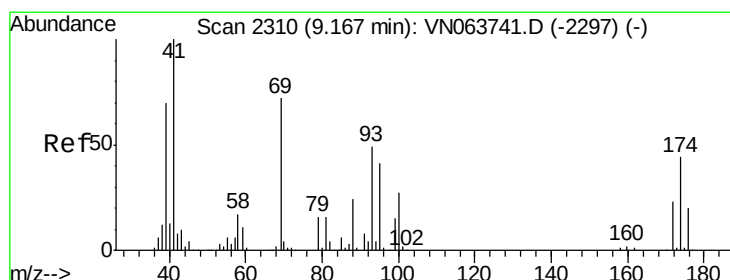
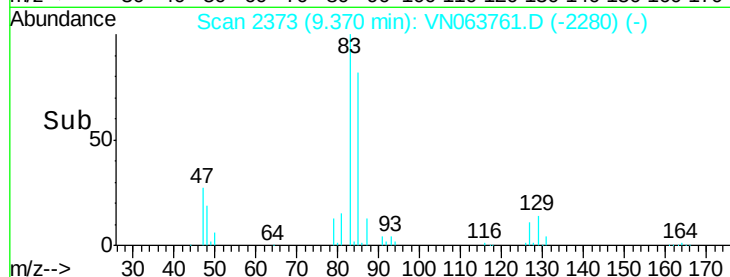
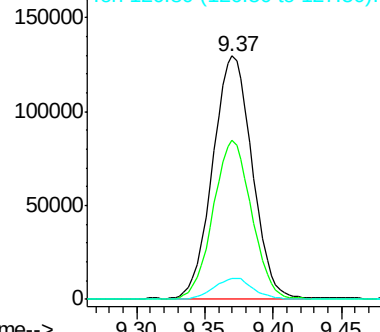
127 8.6 6.6 9.8

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 50.899 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN063761.D

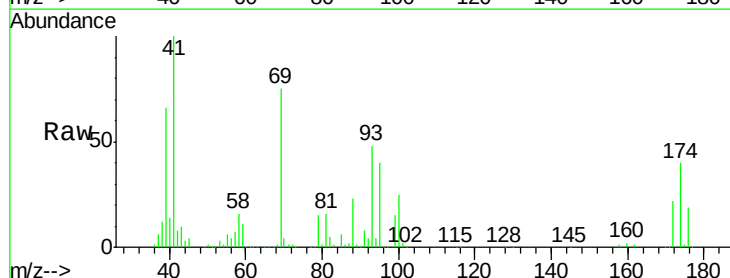
Acq: 30 Sep 2020 19:55

Tgt Ion: 41 Resp: 202094
Ion Ratio Lower Upper

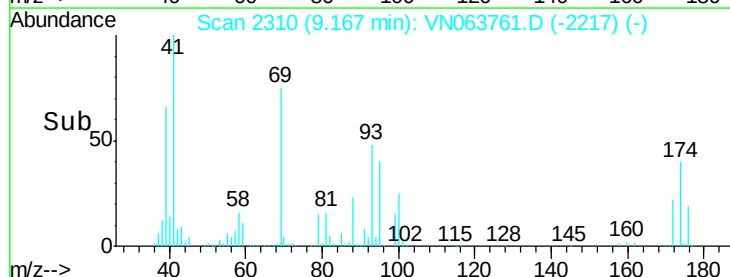
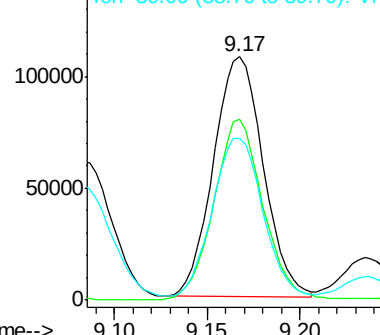
41 100

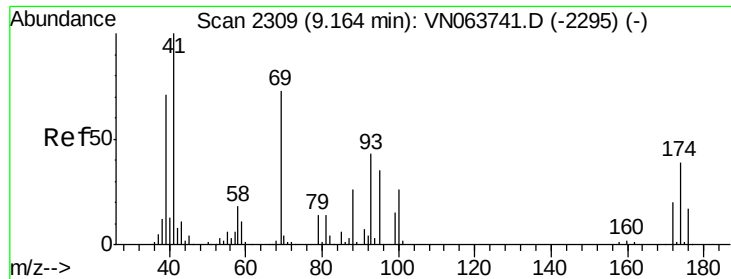
69 74.6 60.9 91.3

39 69.2 57.5 86.3



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





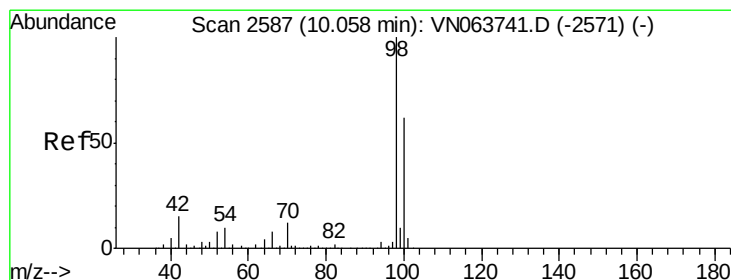
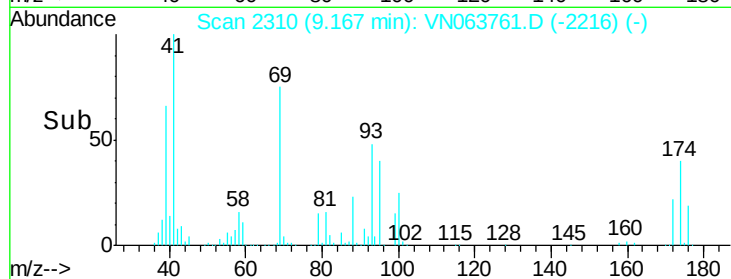
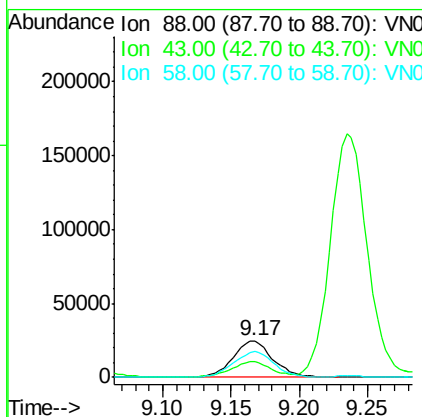
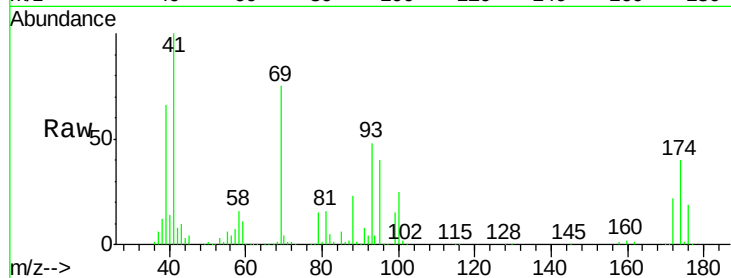
#49
1,4-Dioxane
Concen: 885.626 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.9	33.1	49.7
58	72.4	58.9	88.3

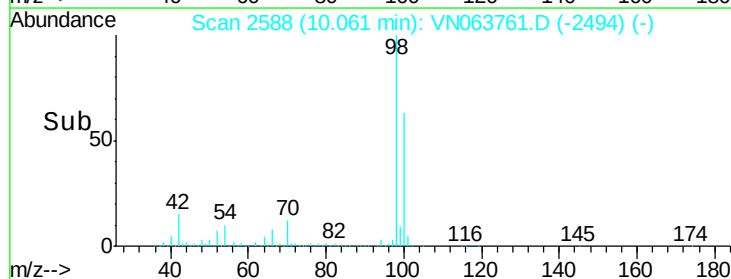
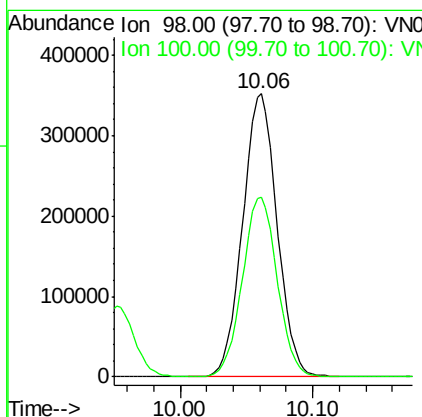
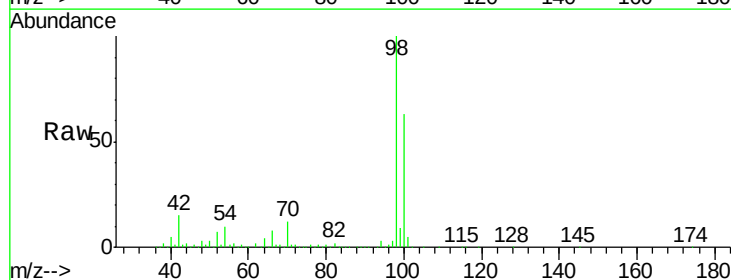
Manual Integrations
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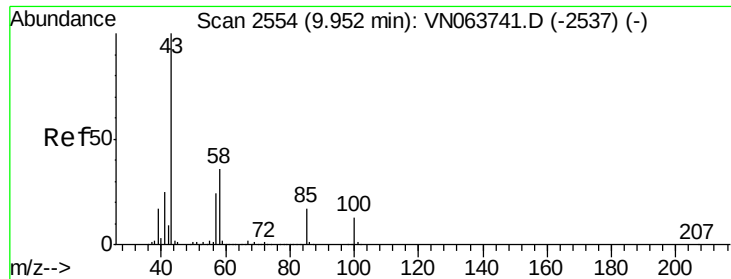
MMDadoda
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#50
Toluene-d8
Concen: 49.825 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	49.8	74.6





#51

4-Methyl-2-Pentanone

Concen: 250.645 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1182066

Ion Ratio Lower Upper

43 100

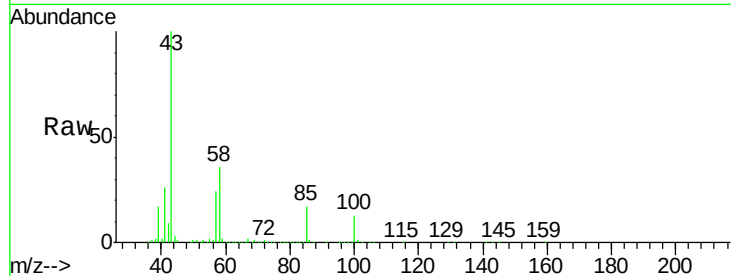
58 35.7 28.4 42.6

Manual Integrations

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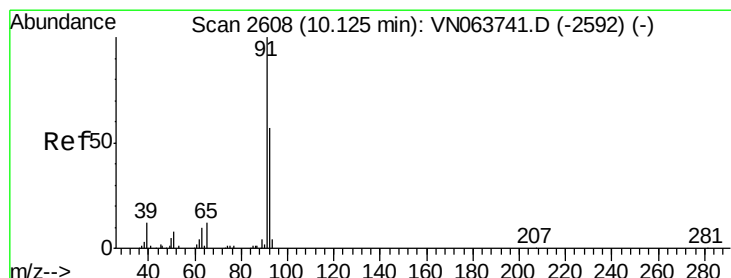
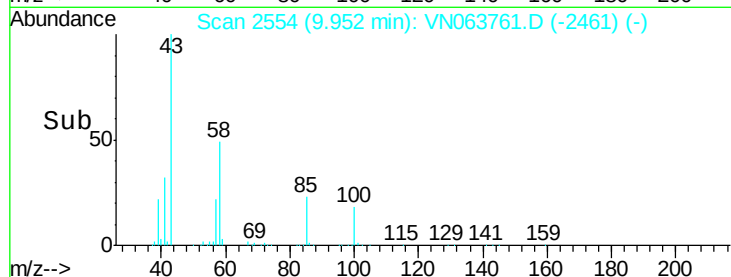
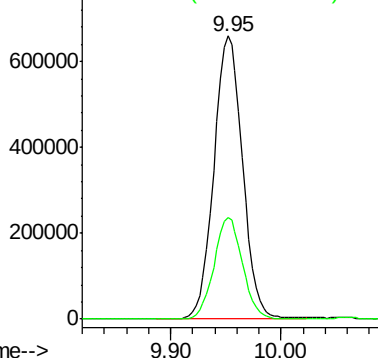
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.064 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063761.D

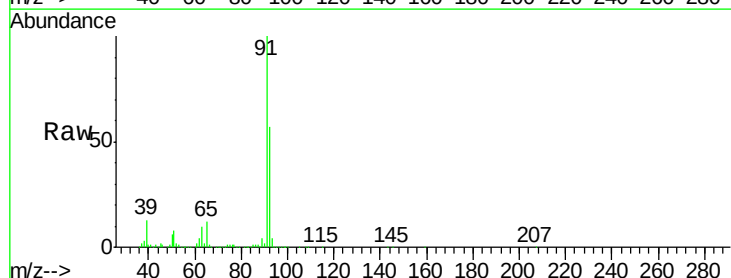
Acq: 30 Sep 2020 19:55

Tgt Ion: 92 Resp: 425076

Ion Ratio Lower Upper

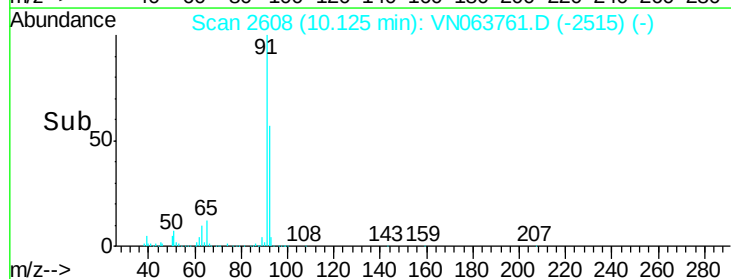
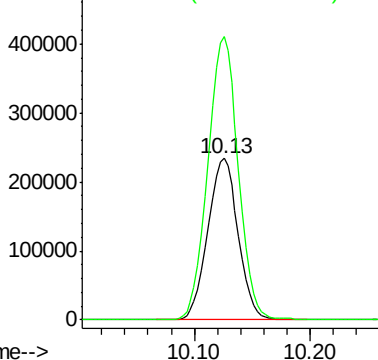
92 100

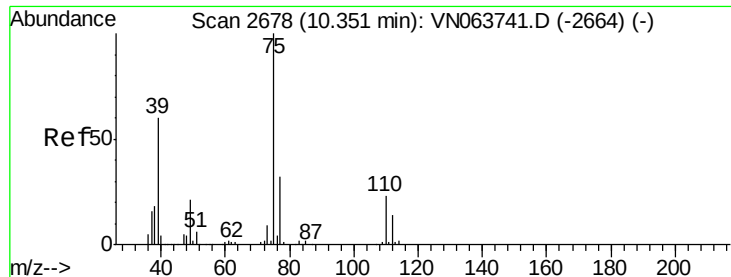
91 175.5 140.6 210.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 49.694 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 286488

Ion Ratio Lower Upper

75 100

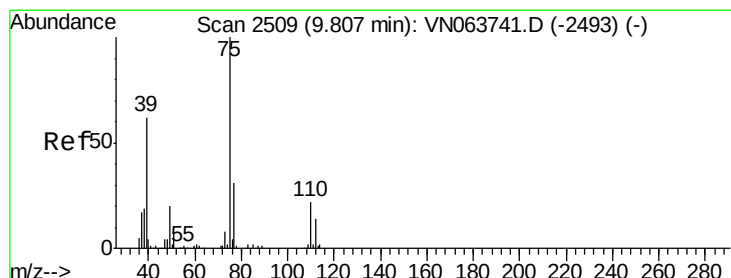
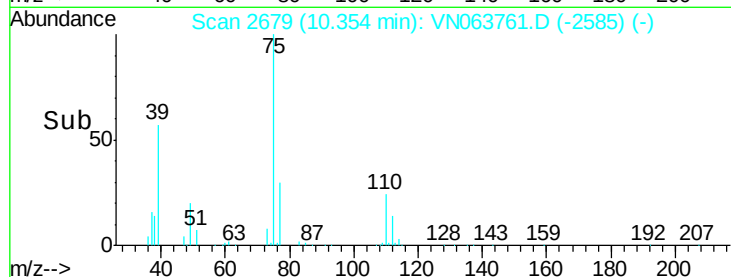
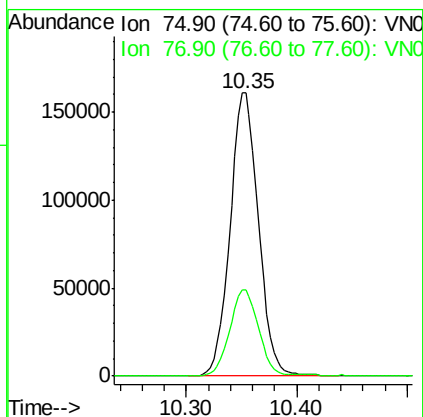
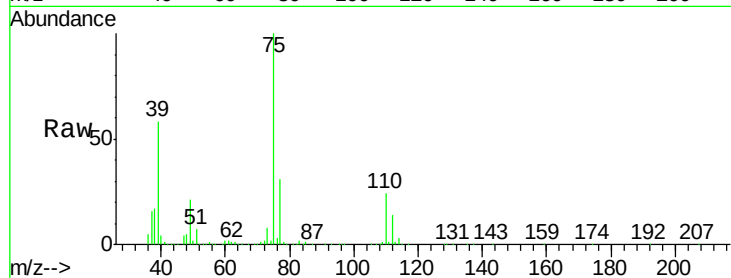
77 30.5 25.3 37.9

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 48.414 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

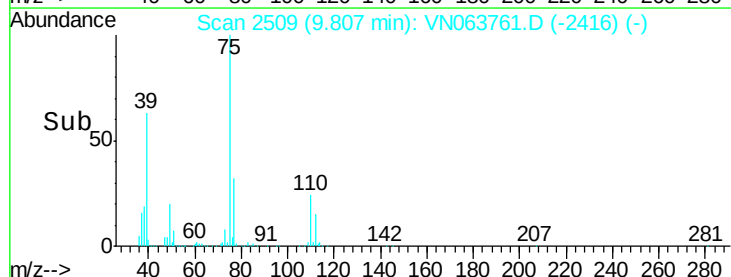
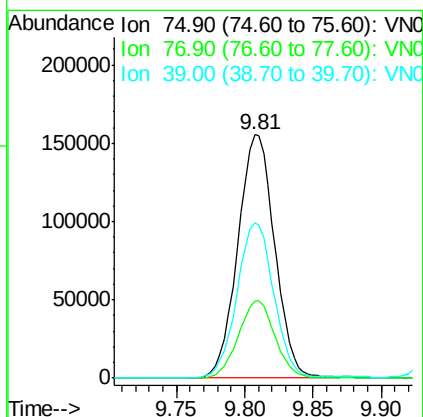
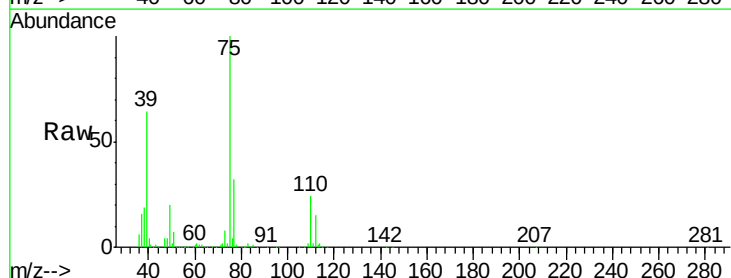
Tgt Ion: 75 Resp: 291900

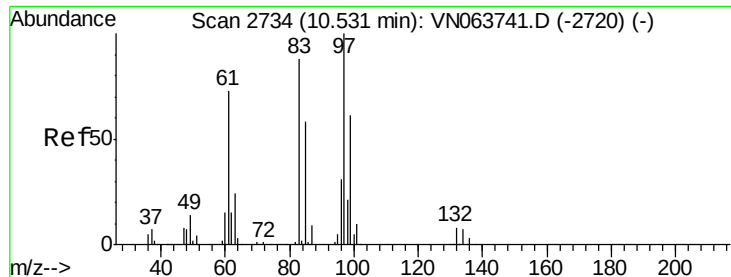
Ion Ratio Lower Upper

75 100

77 31.5 24.6 36.8

39 63.2 49.7 74.5





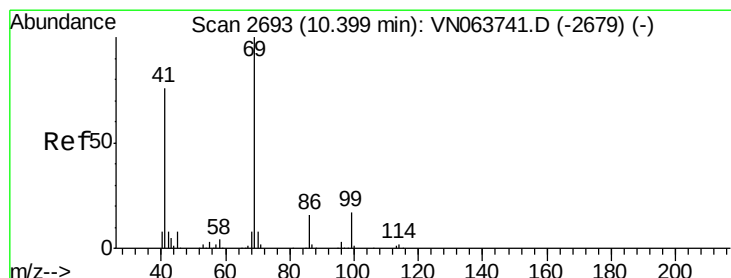
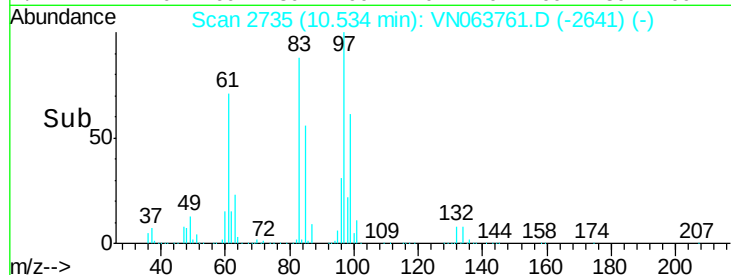
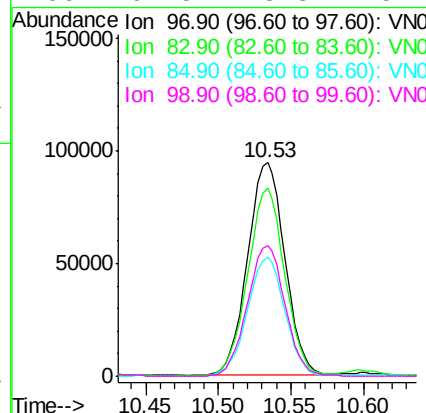
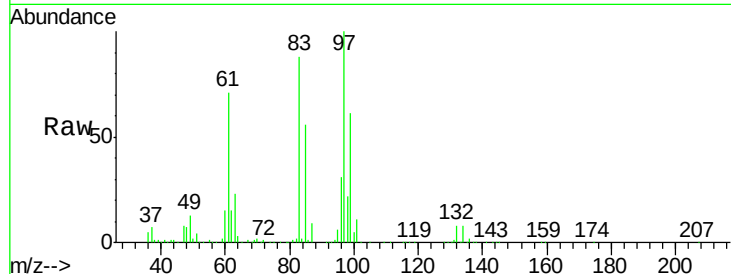
#55
 1,1,2-Trichloroethane
 Concen: 49.115 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	170648
Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.7	106.1
85	55.8	46.1	69.1
99	61.5	48.8	73.2

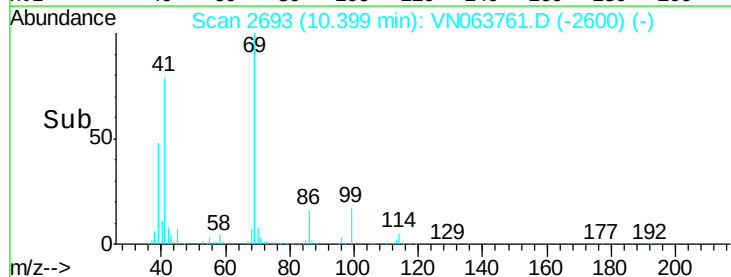
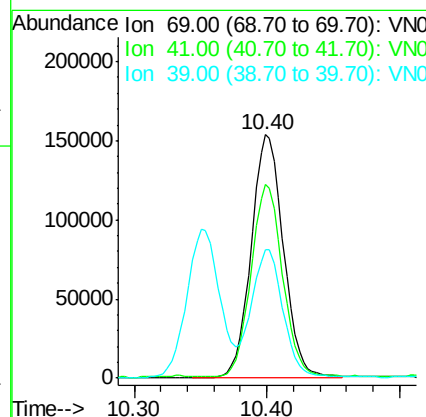
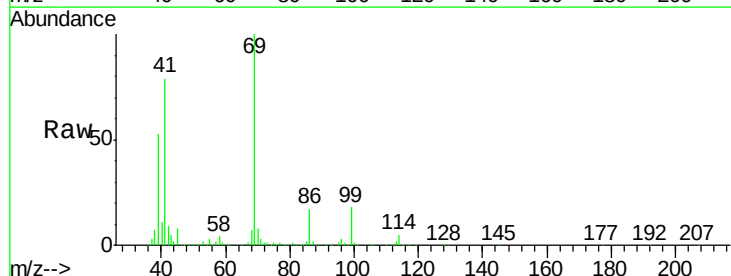
Manual Integrations
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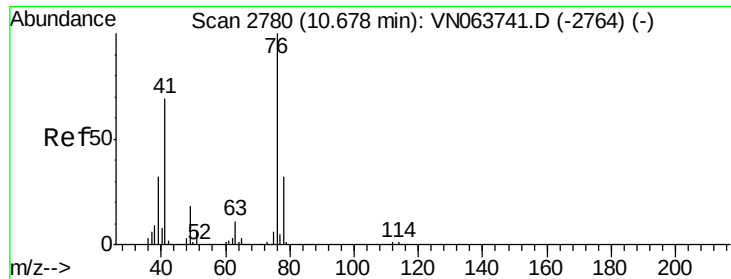
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 10/1/2020 2:40:52 PM



#56
 Ethyl methacrylate
 Concen: 52.494 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion:	69	Resp:	258528
Ion	Ratio	Lower	Upper
69	100		
41	77.3	61.1	91.7
39	51.7	42.2	63.4





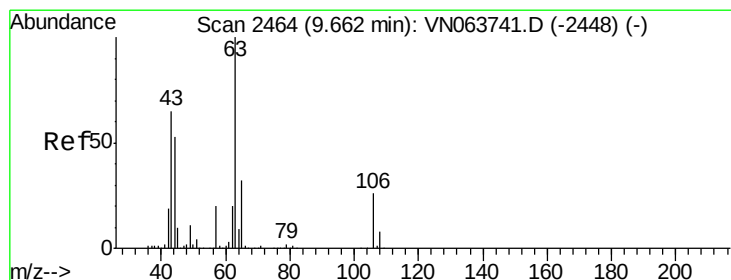
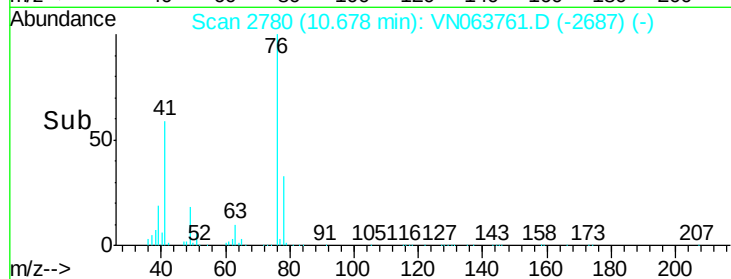
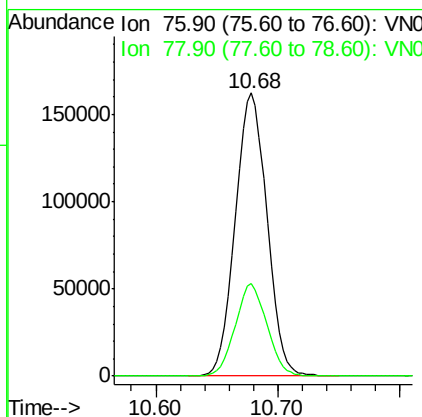
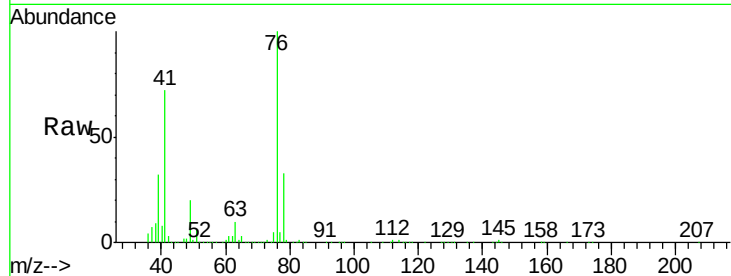
#57
 1,3-Dichloropropane
 Concen: 49.641 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.2	37.8

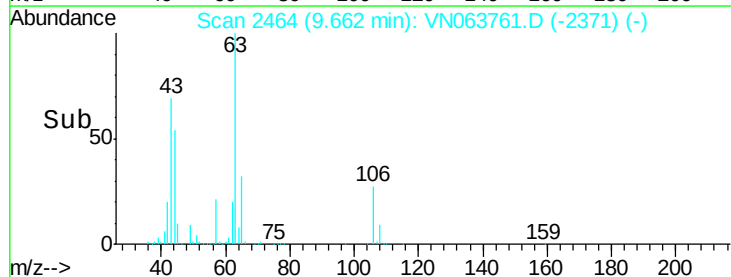
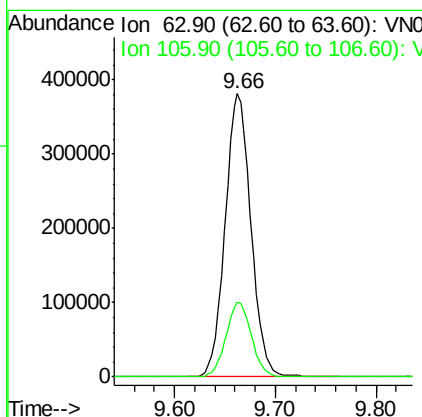
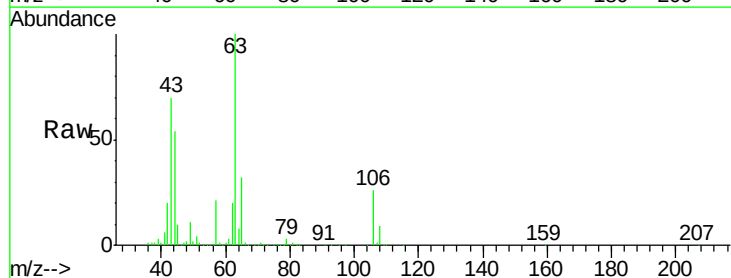
Manual Integrations
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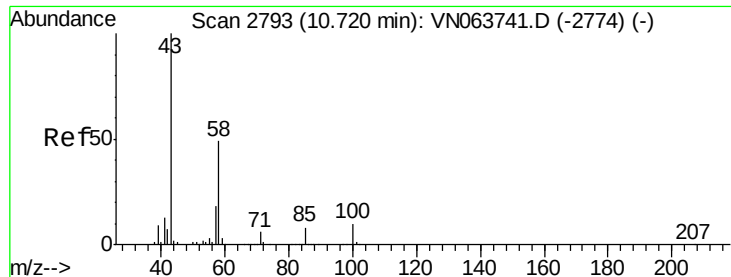
MMDadoda
 10/1/2020 2:40:52 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.038 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.1	20.7	31.1





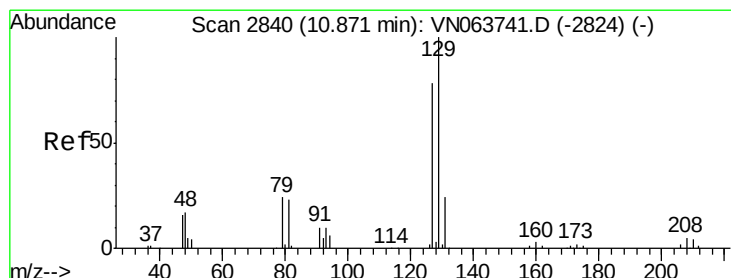
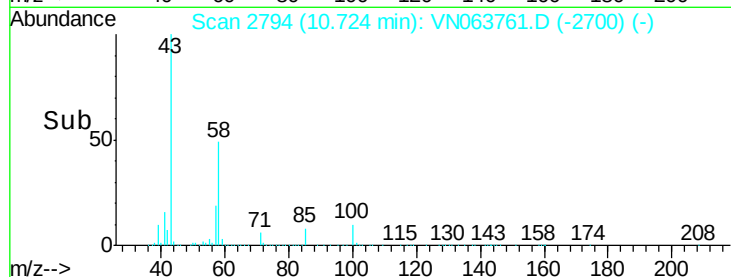
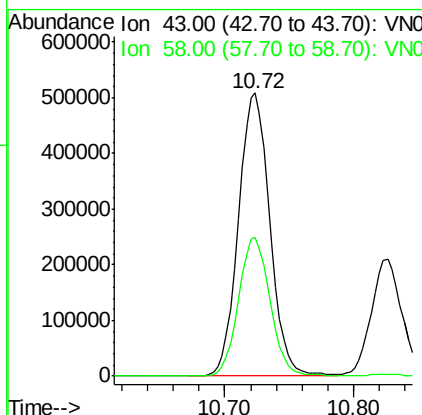
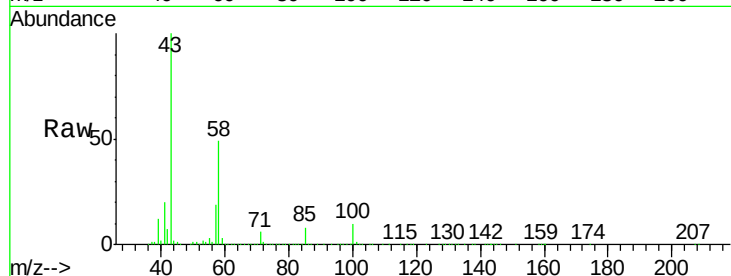
#59
2-Hexanone
Concen: 245.341 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 859532
Ion Ratio Lower Upper
43 100
58 49.4 24.6 73.8

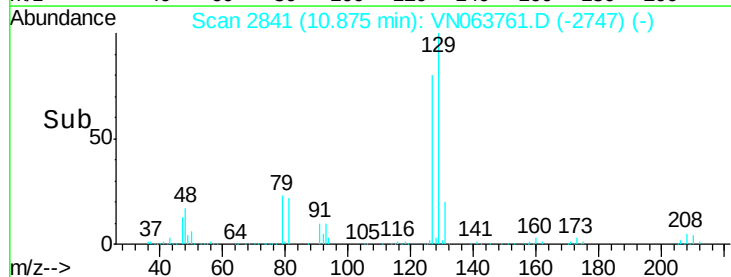
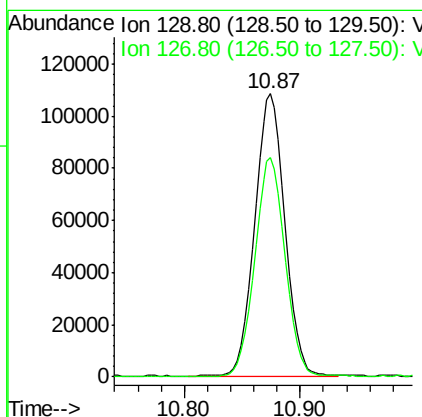
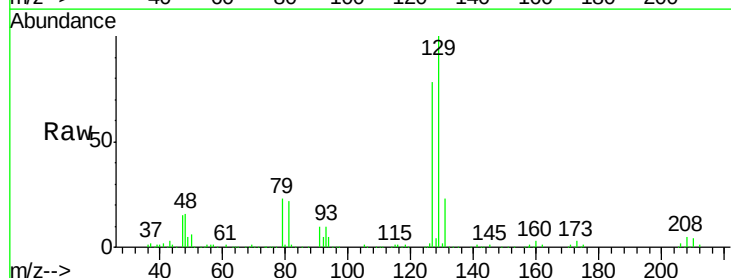
Manual Integrations
APPROVED

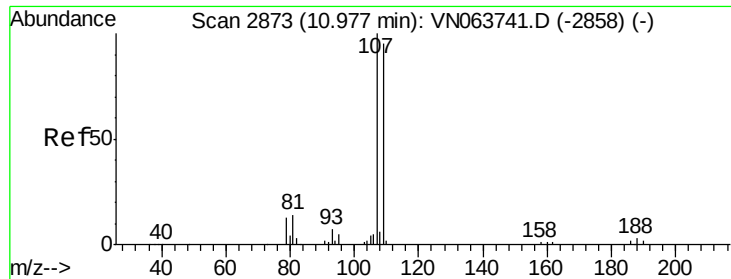
MMDadoda
10/1/2020 2:40:52 PM



#60
Dibromochloromethane
Concen: 48.415 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion: 129 Resp: 195901
Ion Ratio Lower Upper
129 100
127 78.6 38.9 116.7





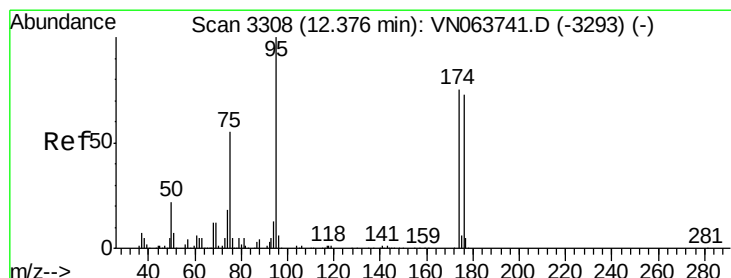
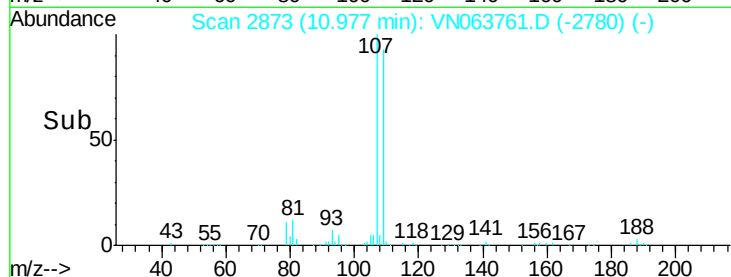
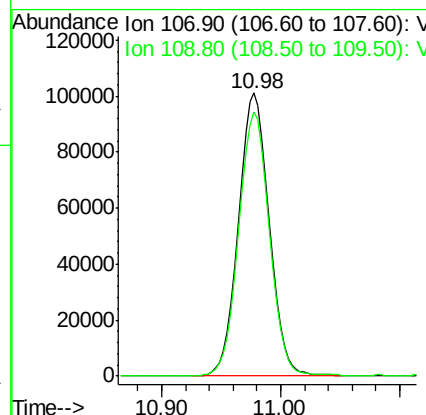
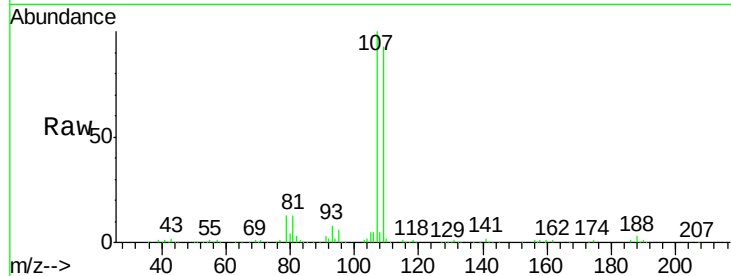
#61
 1,2-Dibromoethane
 Concen: 50.924 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.8	112.2

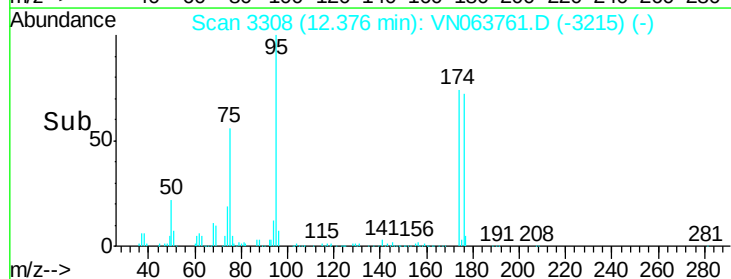
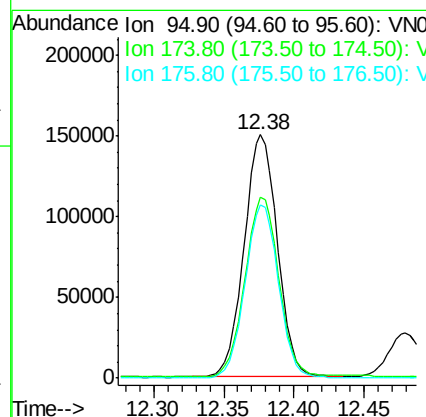
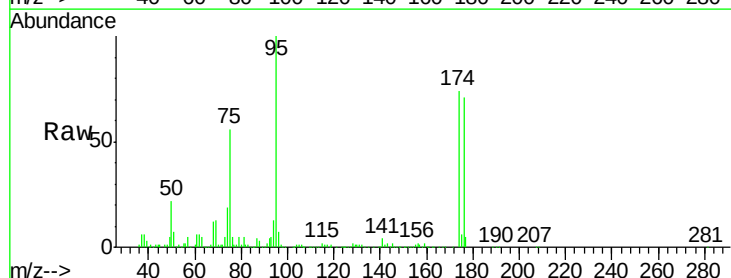
Manual Integrations
 APPROVED

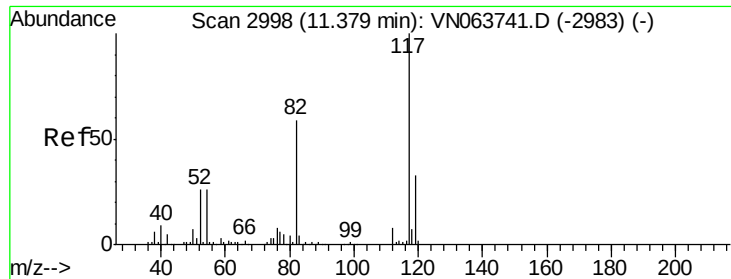
MMDadoda
 10/1/2020 2:40:52 PM



#62
 4-Bromofluorobenzene
 Concen: 51.818 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.9	0.0	150.6
176	72.2	0.0	145.4





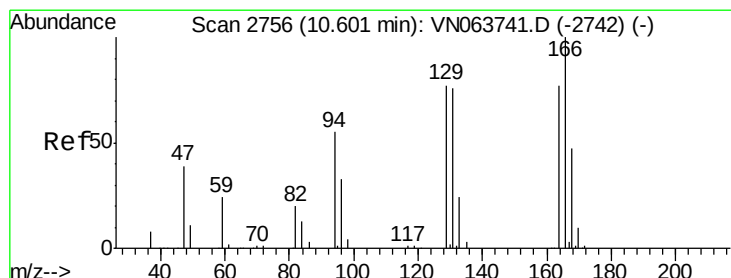
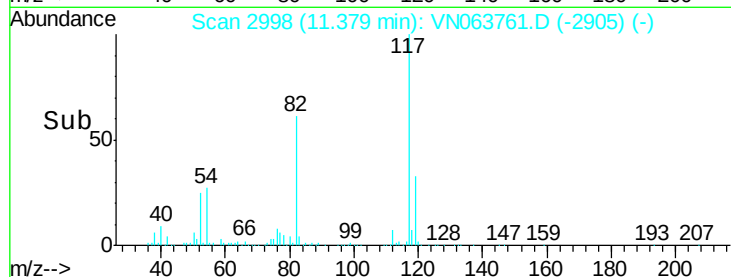
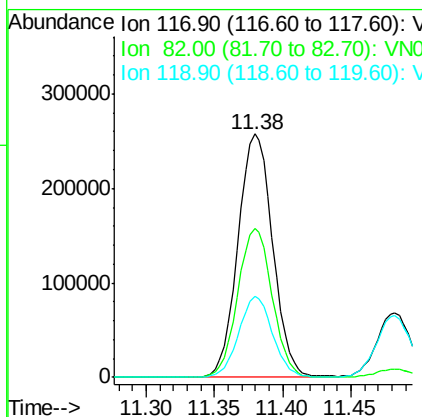
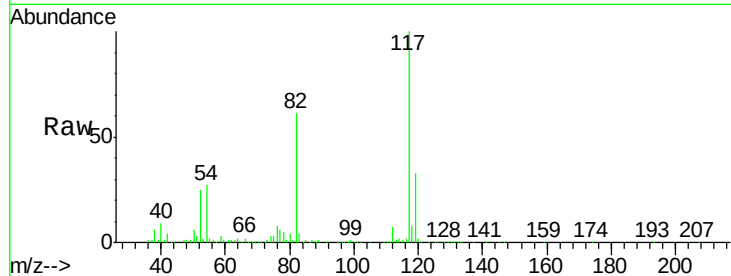
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	454686		
82	61.3		47.4	71.2
119	33.0		26.4	39.6

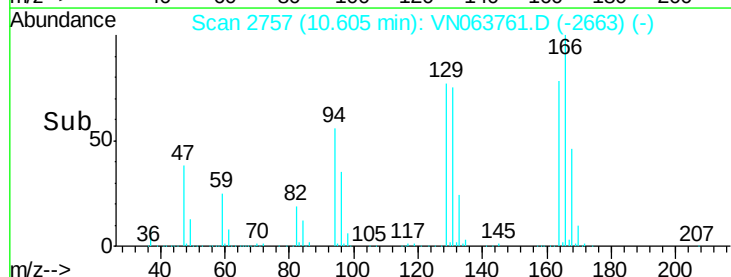
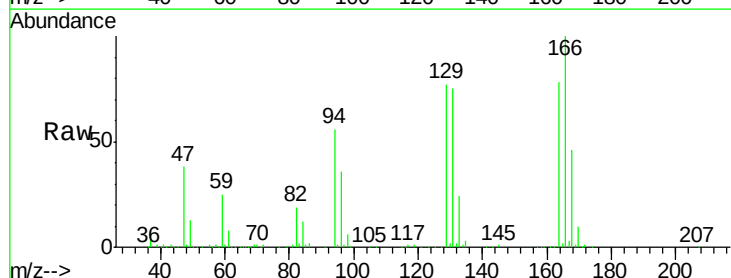
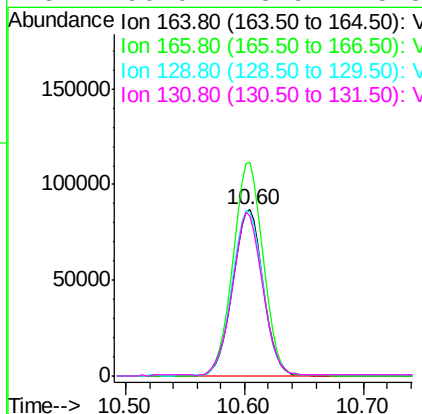
Manual Integrations
APPROVED

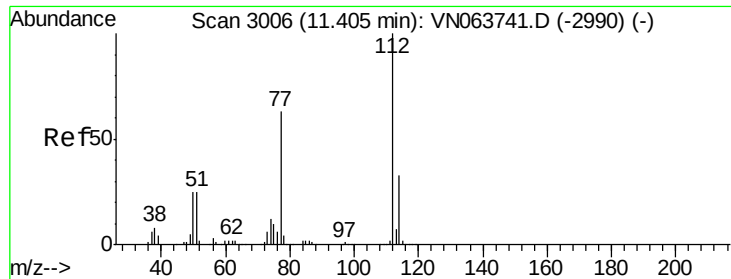
MMDadoda
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#64
Tetrachloroethene
Concen: 43.764 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	153952		
166	128.5		103.9	155.9
129	98.2		80.3	120.5
131	96.0		78.9	118.3





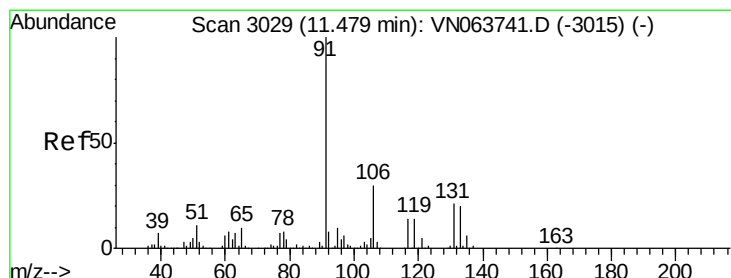
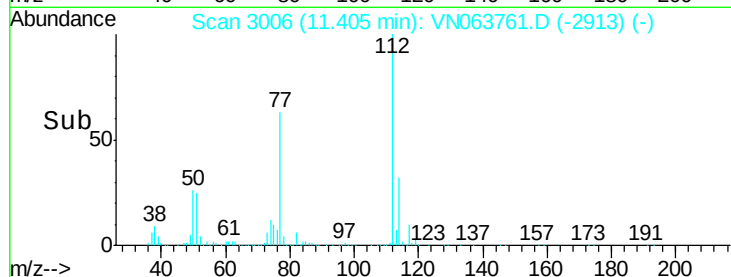
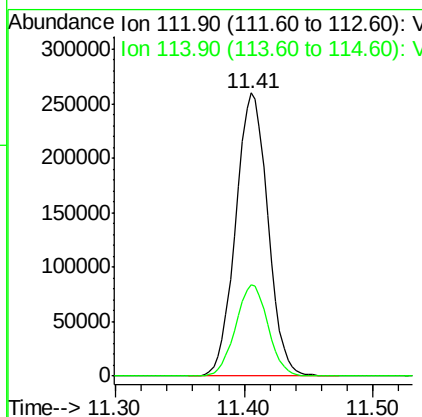
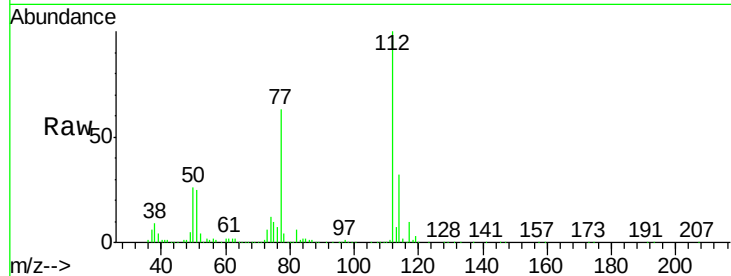
#65
Chlorobenzene
Concen: 48.355 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion:112 Resp: 451004
Ion Ratio Lower Upper
112 100
114 32.5 26.1 39.1

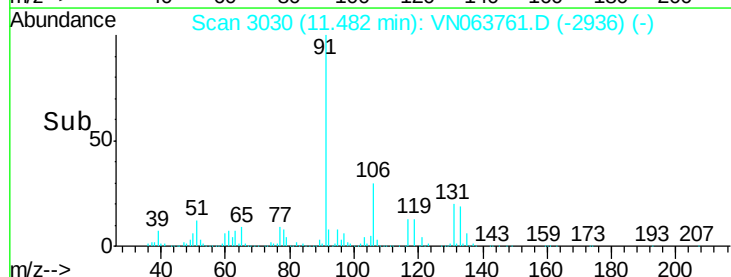
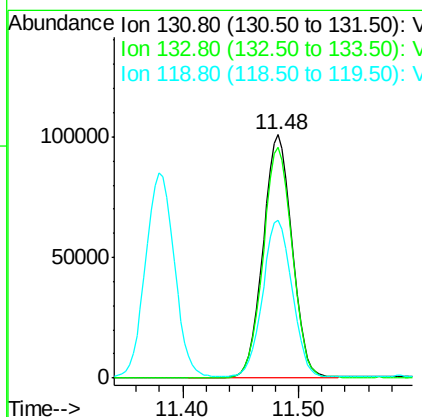
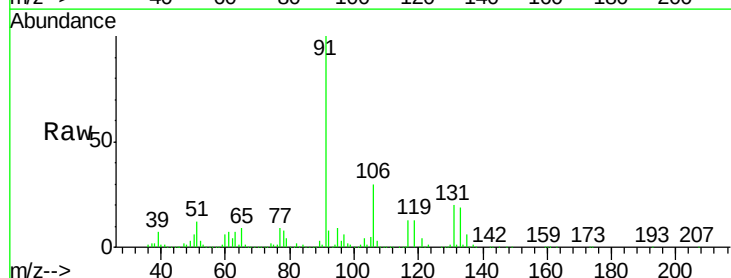
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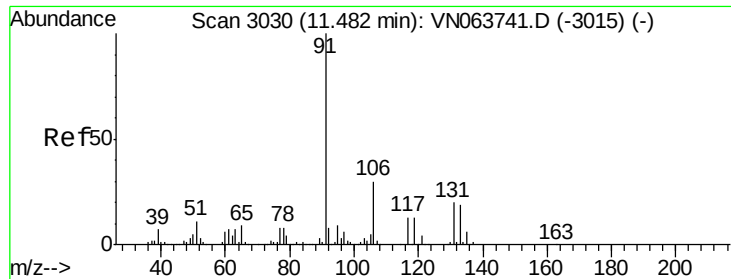
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.844 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion:131 Resp: 174653
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.8
119 65.3 32.6 97.7





#67

Ethyl Benzene

Concen: 50.313 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 853909

Ion Ratio Lower Upper

91 100

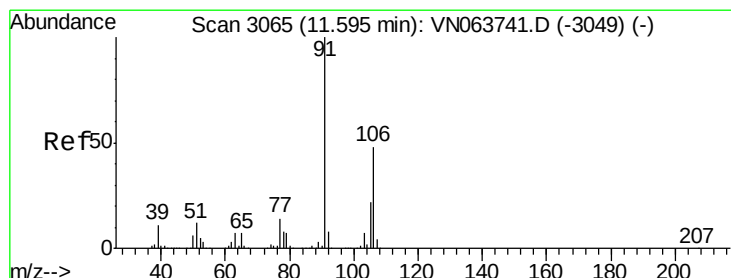
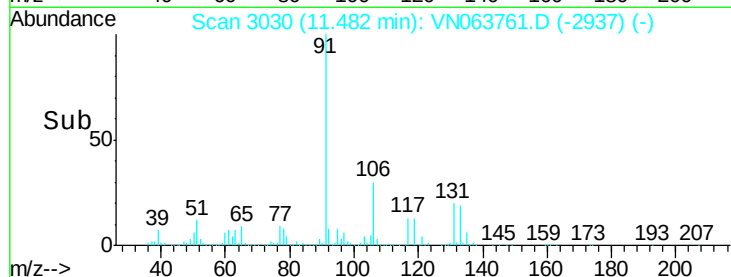
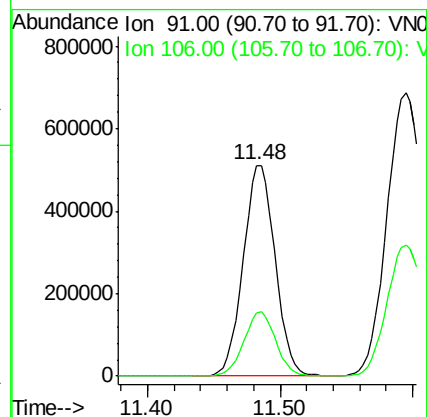
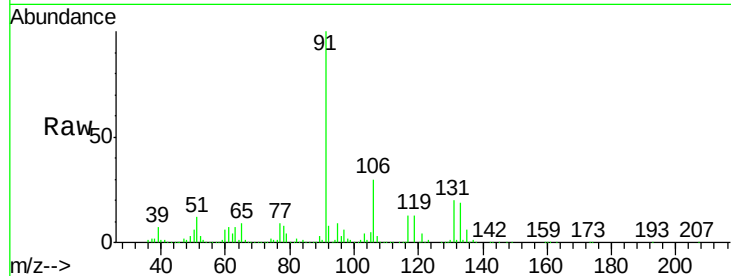
106 29.8 24.2 36.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 98.301 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. 0.00 min

Lab File: VN063761.D

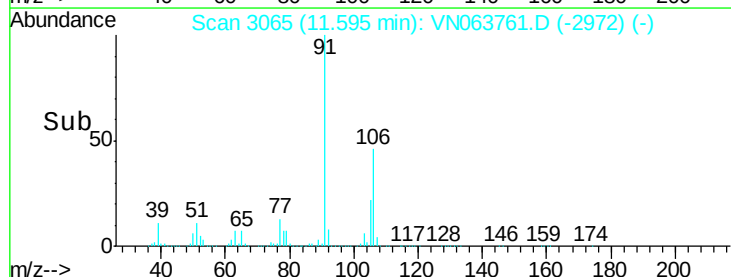
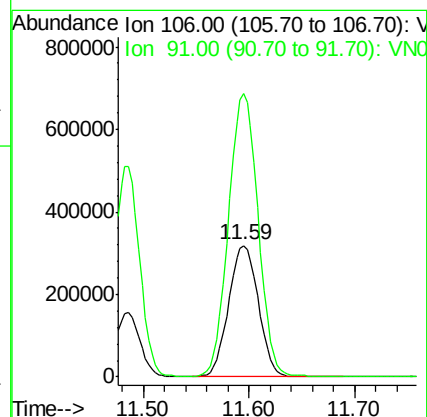
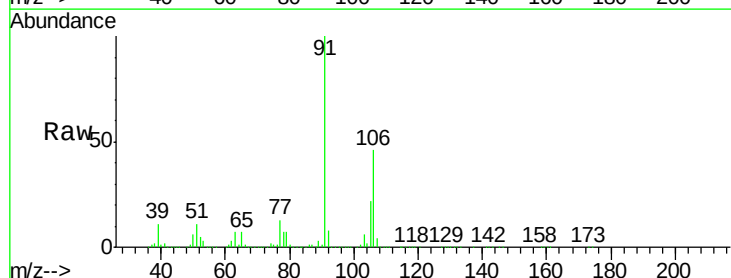
Acq: 30 Sep 2020 19:55

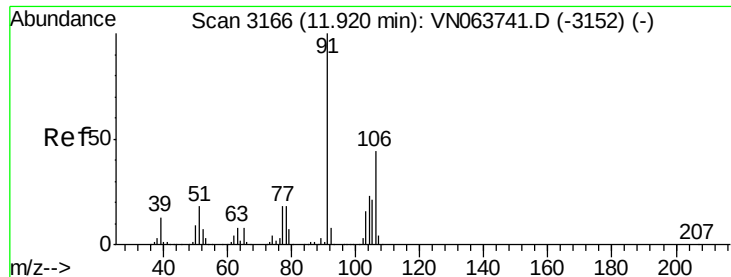
Tgt Ion: 106 Resp: 621786

Ion Ratio Lower Upper

106 100

91 213.8 168.0 252.0





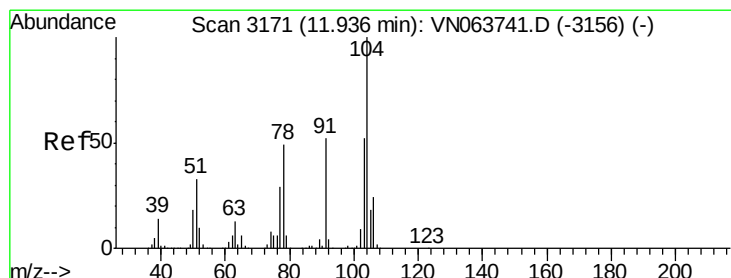
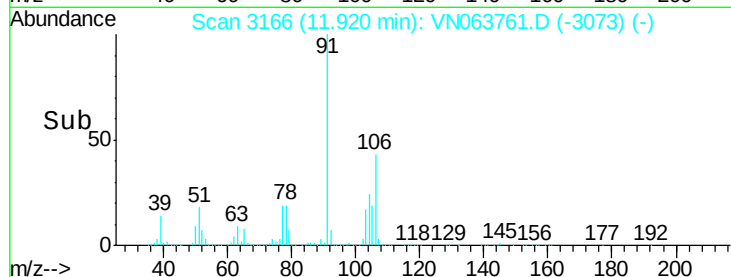
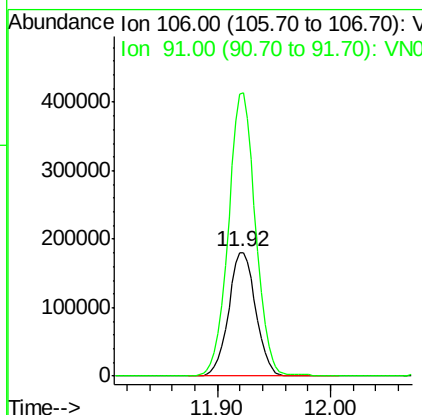
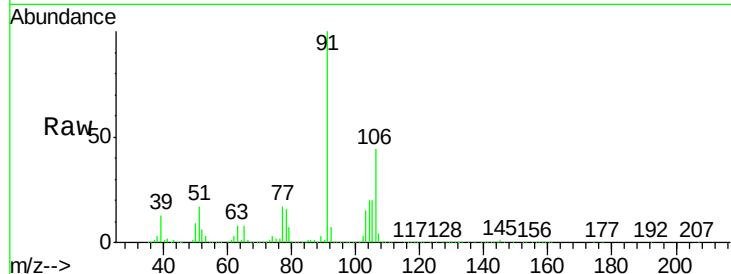
#69
o-Xylene
Concen: 51.019 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
301631	106	100			
	91	226.0	112.7	338.0	

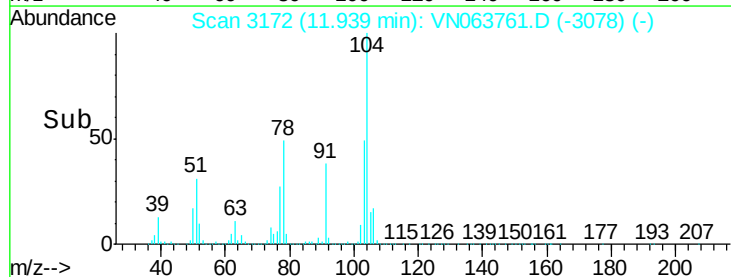
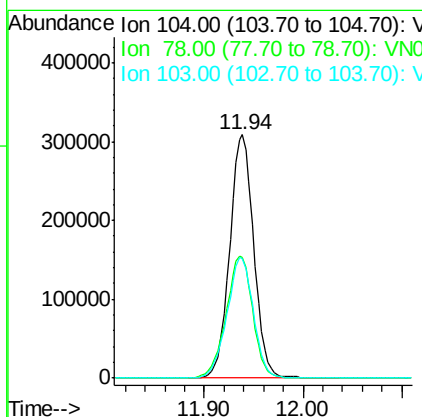
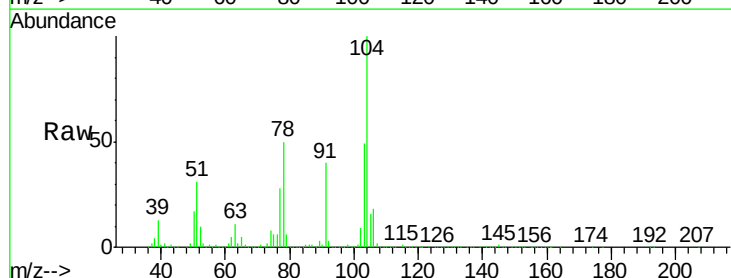
Manual Integrations
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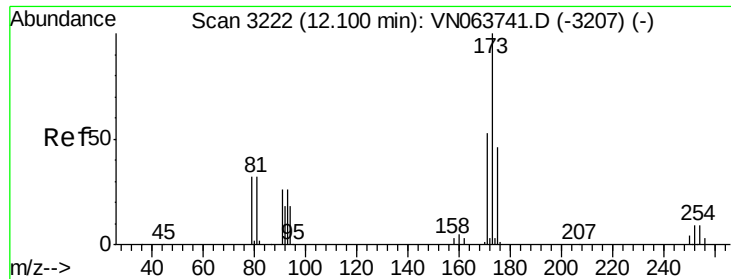
MMDadoda
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#70
Styrene
Concen: 52.465 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
526521	104	100			
	78	55.2	44.1	66.1	
	103	54.1	44.3	66.5	





#71

Bromoform

Concen: 48.443 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

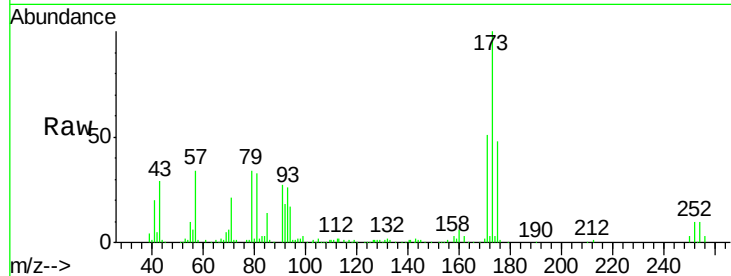
ClientSampleId :

VSTDCCC050EC

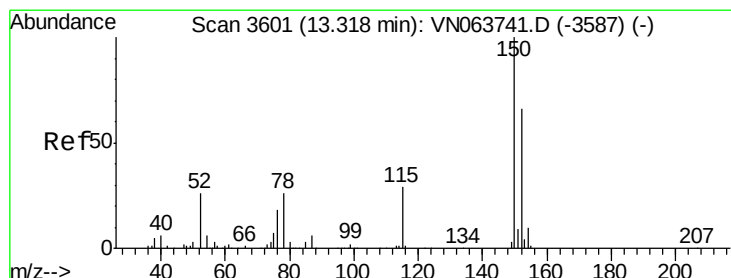
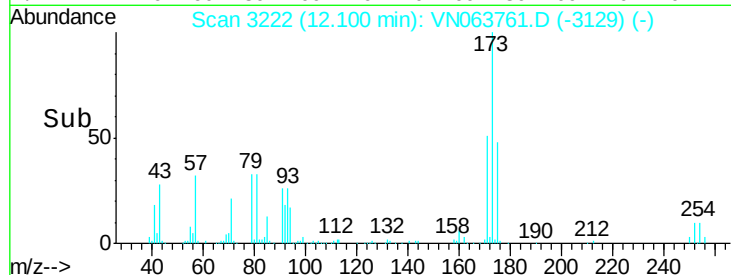
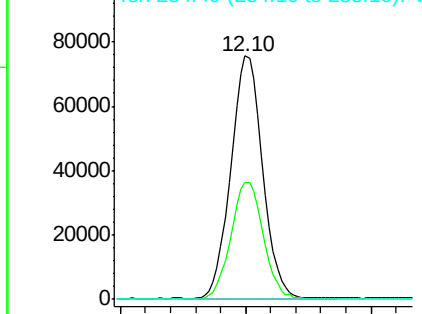
Tot Ion:173	Resp:	132479
Ion Ratio	Lower	Upper
173 100		
175 49.6	23.5	70.5
254 0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

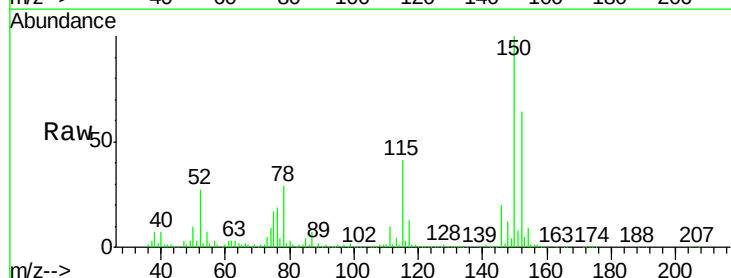
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

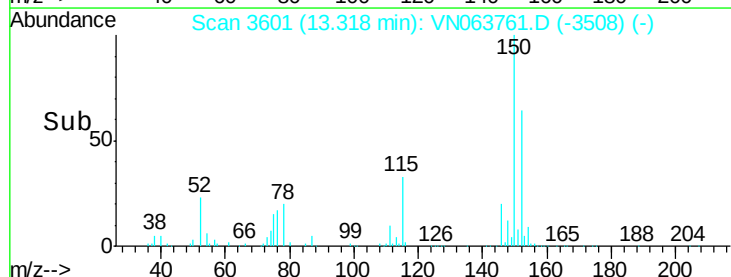
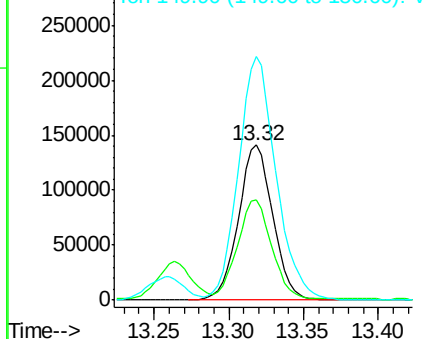
Lab File: VN063761.D

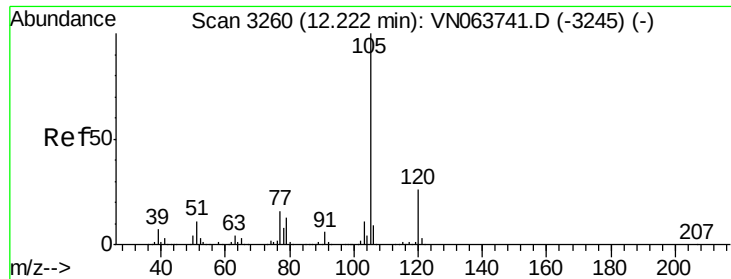
Acq: 30 Sep 2020 19:55

Tgt Ion:152	Resp:	222855
Ion Ratio	Lower	Upper
152 100		
115 64.3	31.3	93.8
150 172.8	0.0	341.8



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





#73

Isopropylbenzene

Concen: 49.410 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 803161

Ion Ratio Lower Upper

105 100

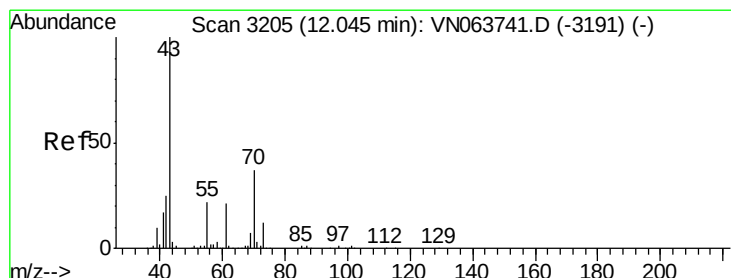
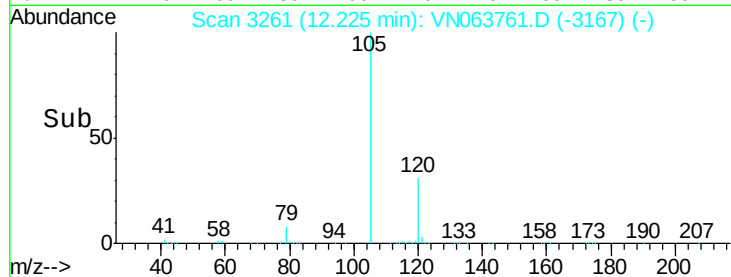
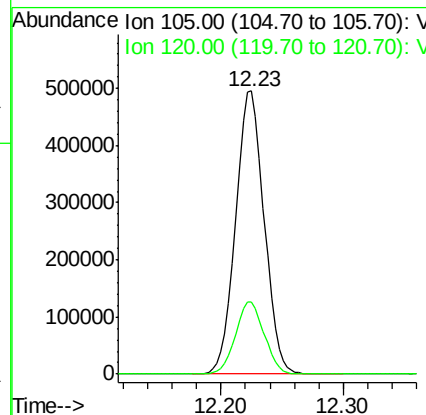
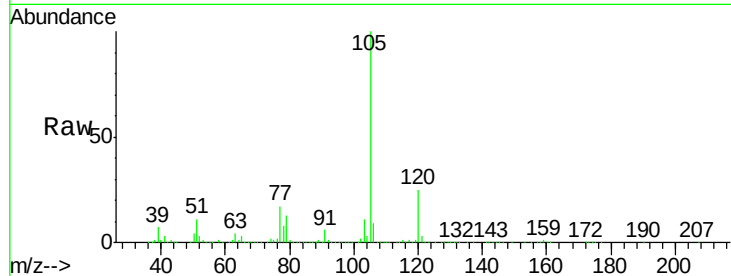
120 25.7 12.6 37.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 68.009 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Tgt Ion: 43 Resp: 520113

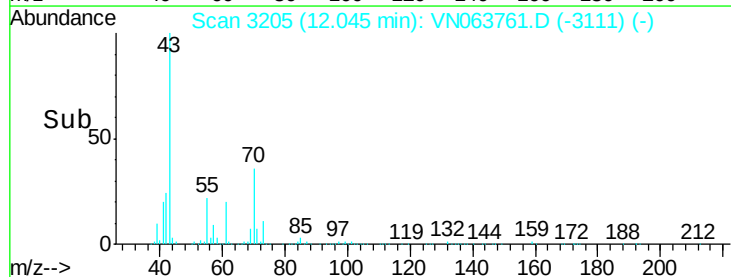
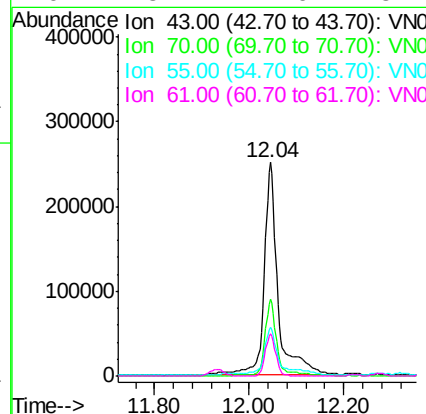
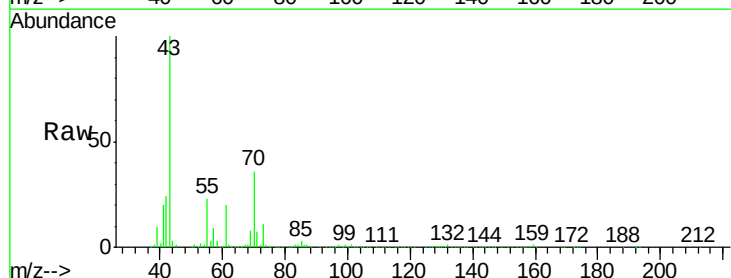
Ion Ratio Lower Upper

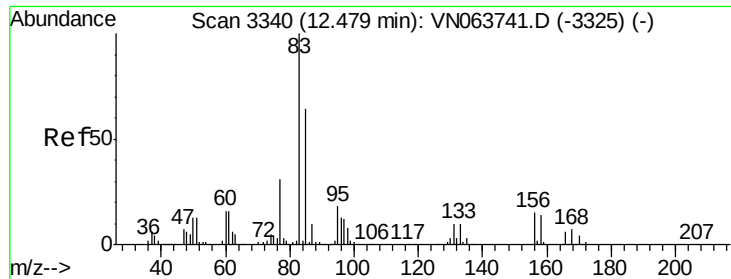
43 100

70 28.2 29.8 44.8#

55 22.1 17.9 26.9

61 15.1 17.0 25.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 49.090 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

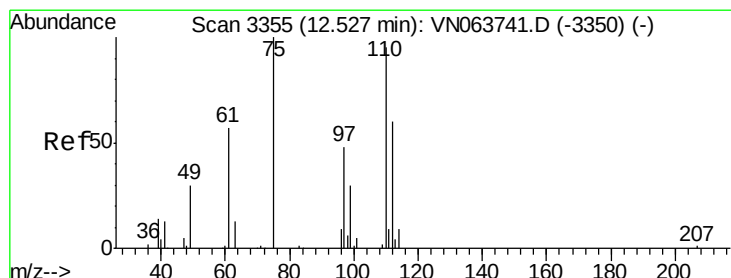
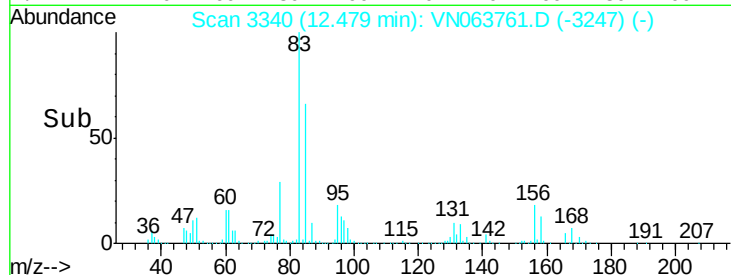
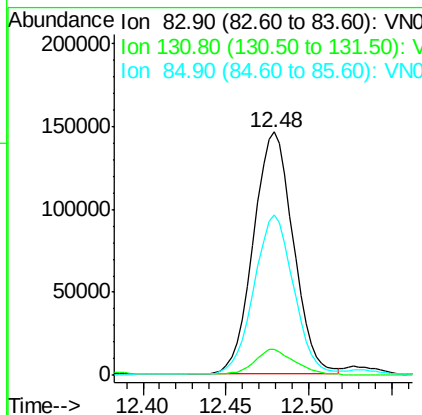
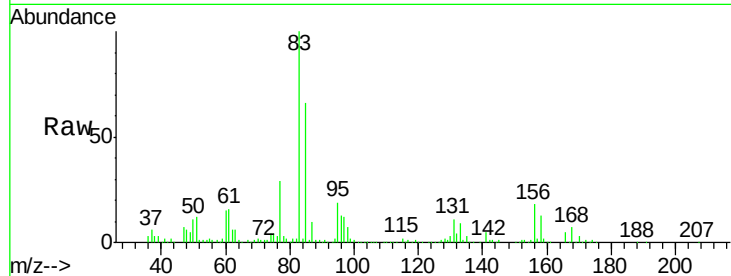
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	244007
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.3	15.8
85	65.3	31.3	93.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.293 ug/l m

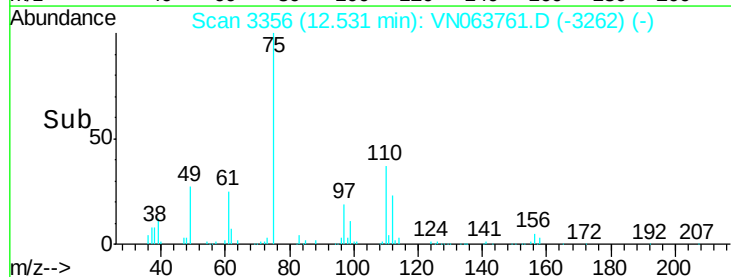
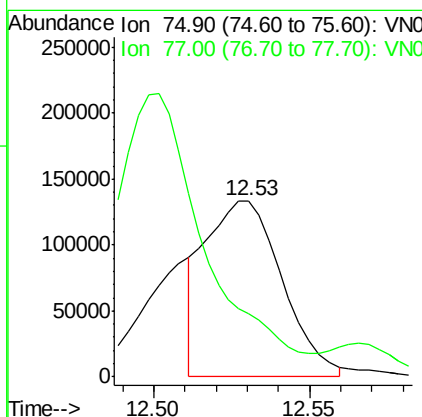
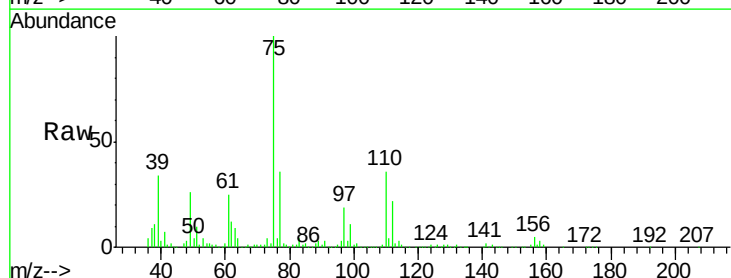
RT: 12.53 min Scan# 3356

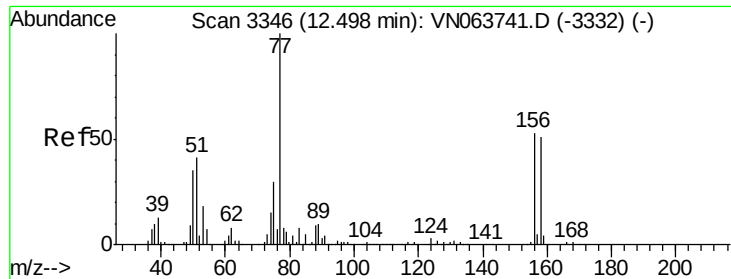
Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Tgt Ion:	75	Resp:	227418
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.258 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

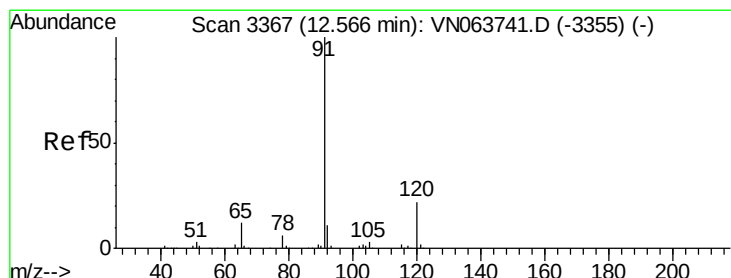
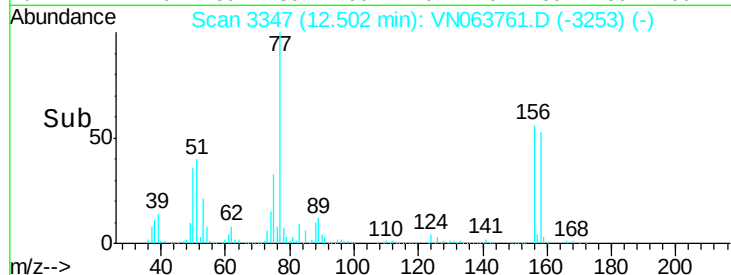
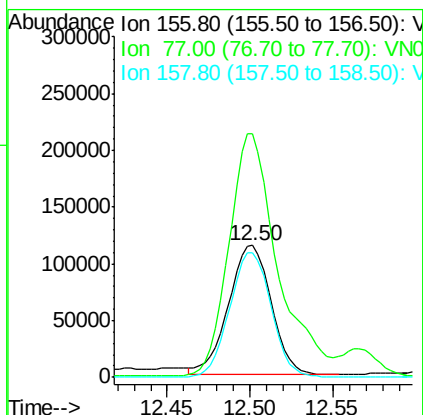
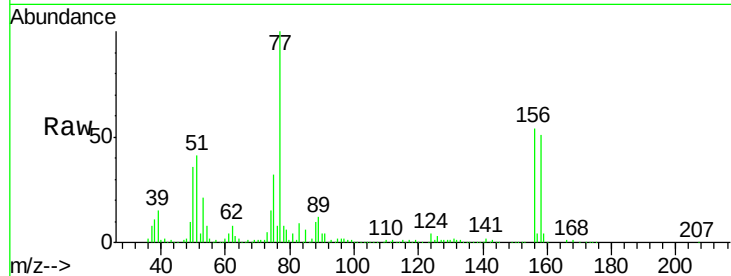
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	204447
Ion Ratio	Lower	Upper	
156	100		
77	212.7	110.9	332.7
158	94.2	47.7	143.1

Manual Integrations
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#78

n-propylbenzene

Concen: 49.143 ug/l

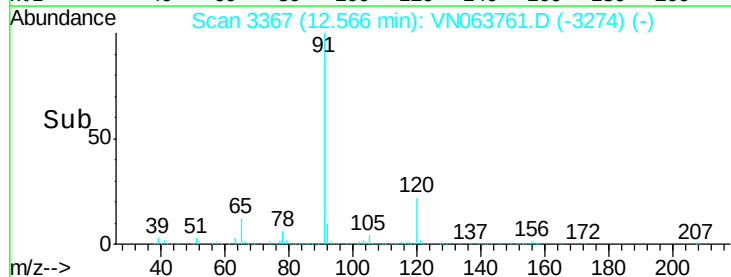
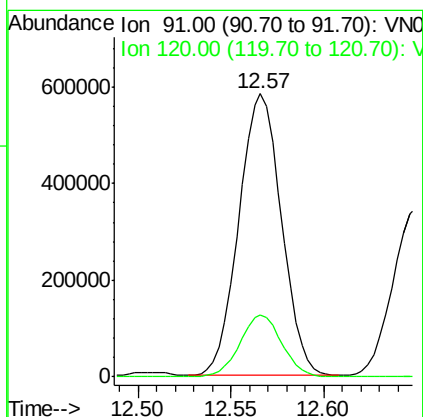
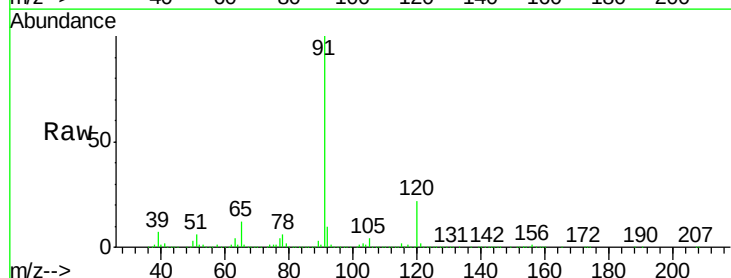
RT: 12.57 min Scan# 3367

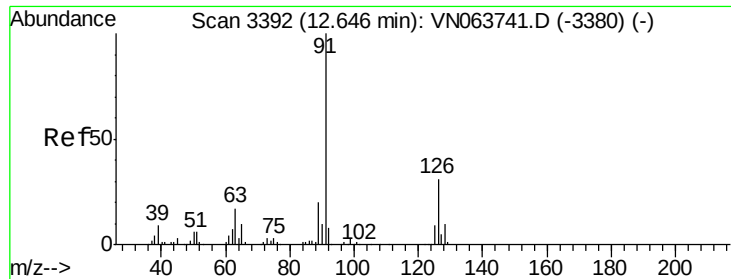
Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Tgt Ion:	91	Resp:	929652
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.1	33.1





#79

2-Chlorotoluene

Concen: 48.718 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 566815

Ion Ratio Lower Upper

91 100

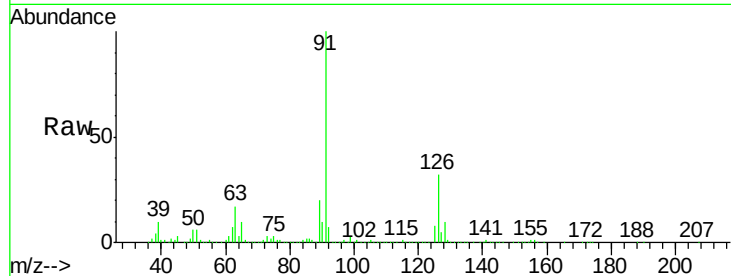
126 32.3 15.9 47.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN063761.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN063761.D (-3393) (-)

500000

400000

300000

200000

100000

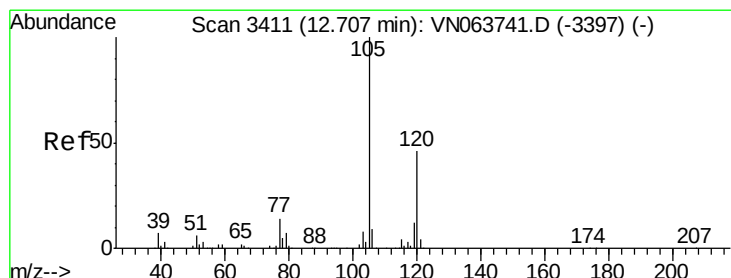
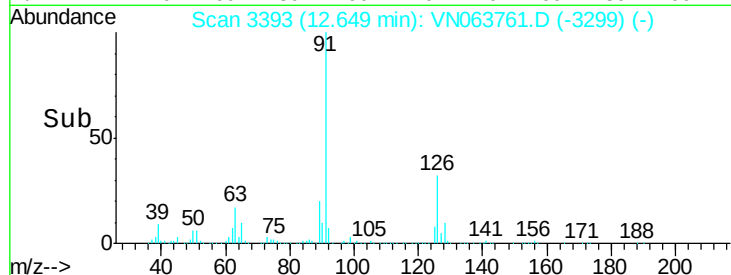
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.391 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063761.D

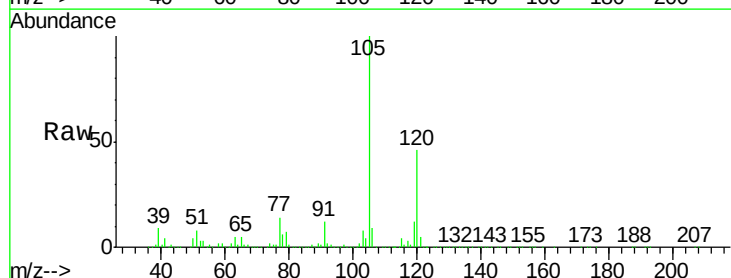
Acq: 30 Sep 2020 19:55

Tgt Ion: 105 Resp: 687180

Ion Ratio Lower Upper

105 100

120 46.1 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): VN063761.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN063761.D (-3411) (-)

500000

400000

300000

200000

100000

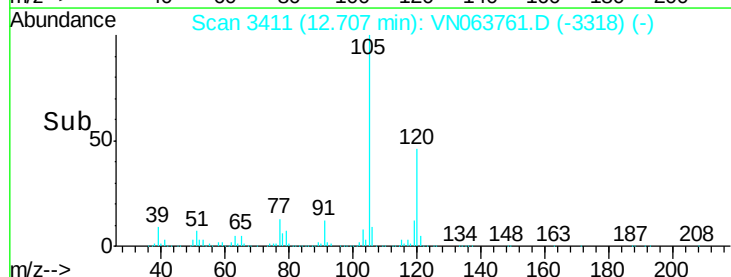
0

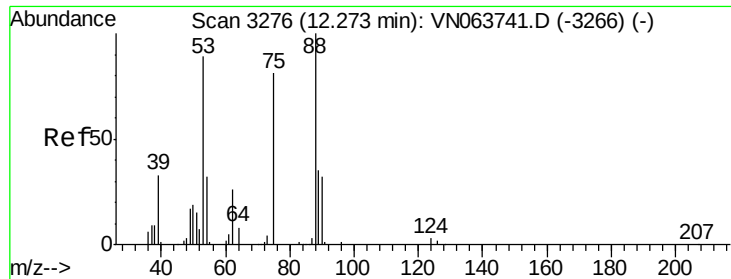
12.70

12.71

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 48.138 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 82108

Ion Ratio Lower Upper

75 100

53 110.6 88.2 132.2

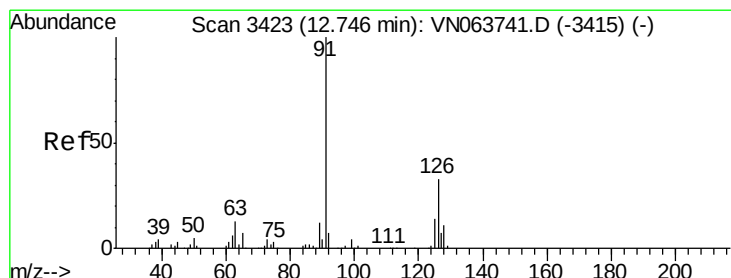
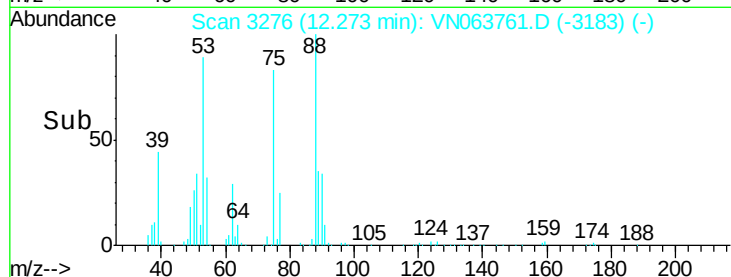
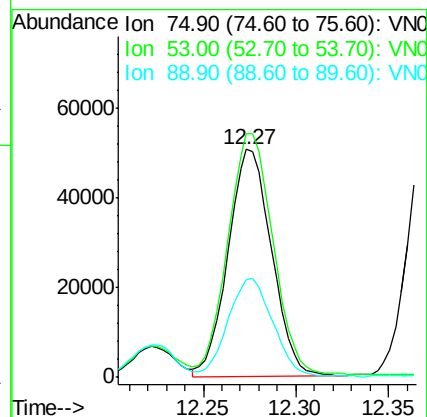
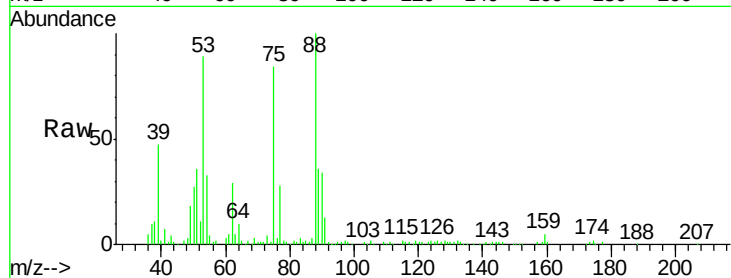
89 44.3 36.0 54.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 49.948 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063761.D

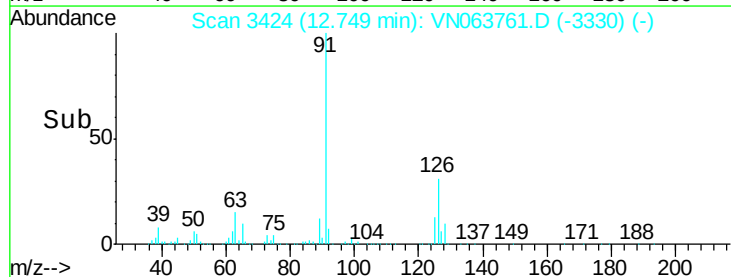
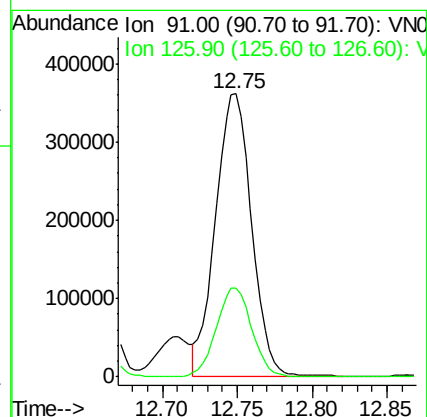
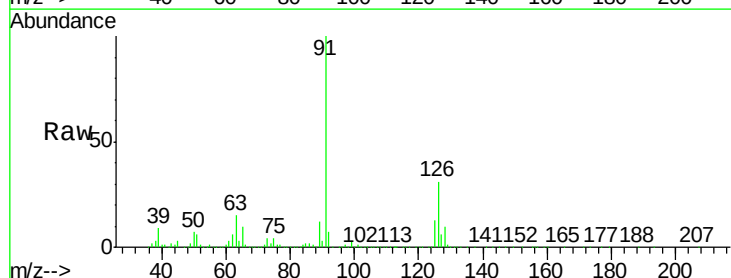
Acq: 30 Sep 2020 19:55

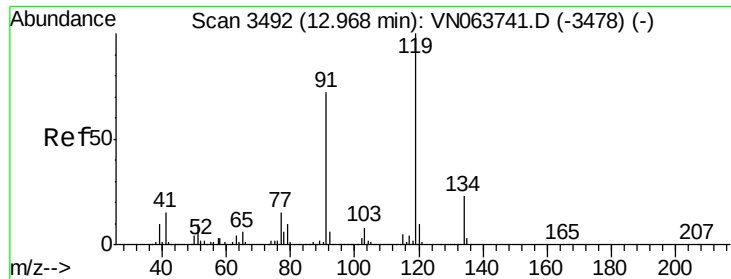
Tgt Ion: 91 Resp: 603264

Ion Ratio Lower Upper

91 100

126 30.9 15.4 46.2





#83

tert-Butylbenzene

Concen: 48.979 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

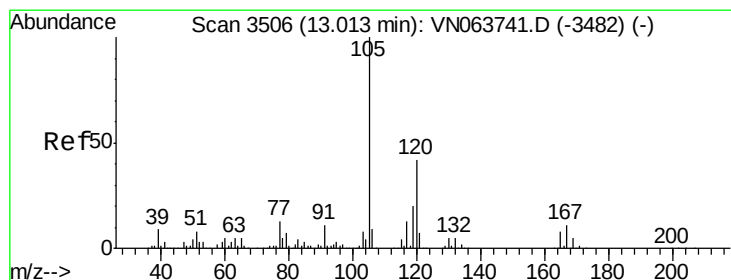
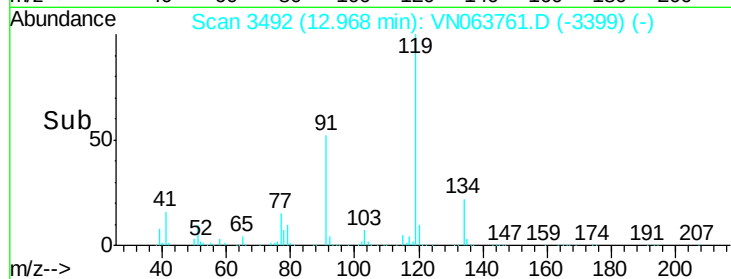
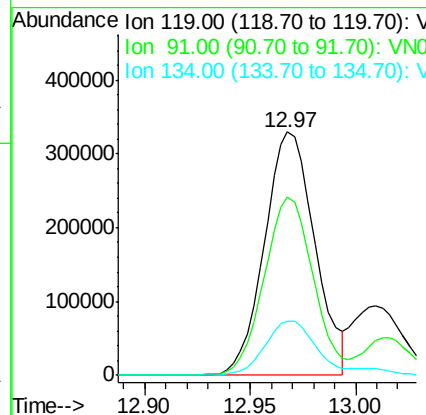
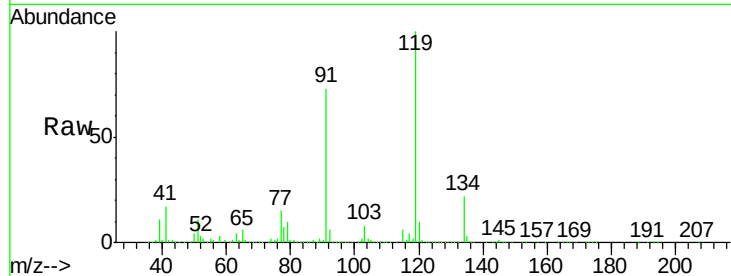
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	546354
Ion Ratio	Lower	Upper	
119	100		
91	71.2	35.5	106.5
134	24.7	11.7	35.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 51.696 ug/l

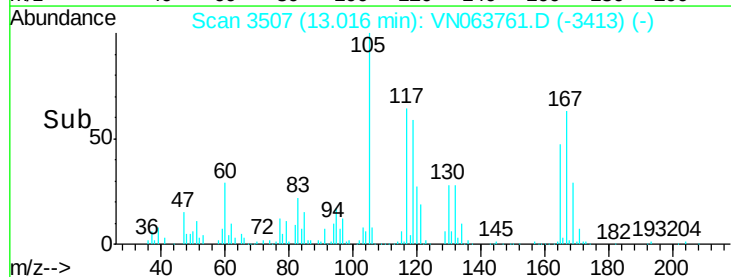
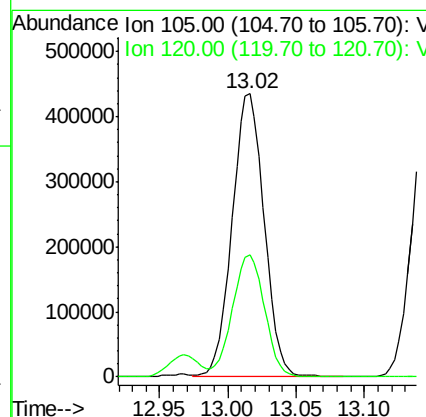
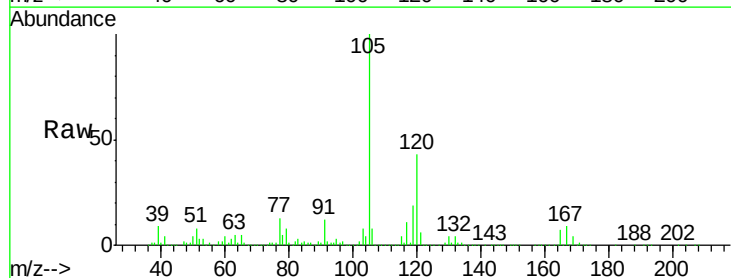
RT: 13.02 min Scan# 3507

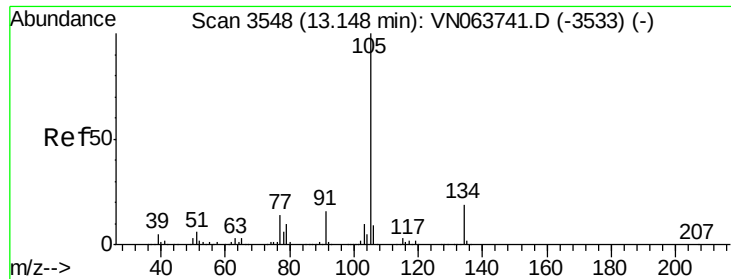
Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Tgt Ion:	105	Resp:	703858
Ion Ratio	Lower	Upper	
105	100		
120	43.3	20.9	62.7





#85

sec-Butylbenzene

Concen: 48.775 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 714611

Ion Ratio Lower Upper

105 100

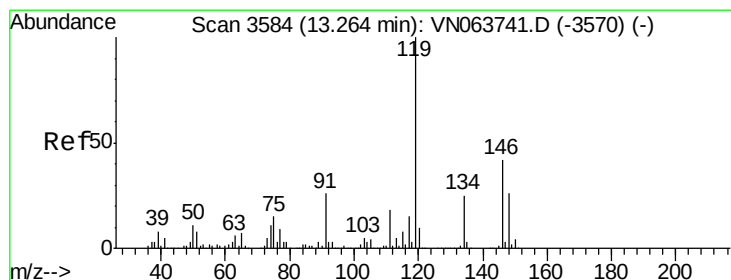
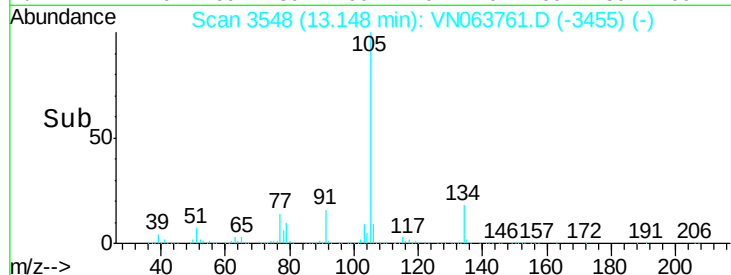
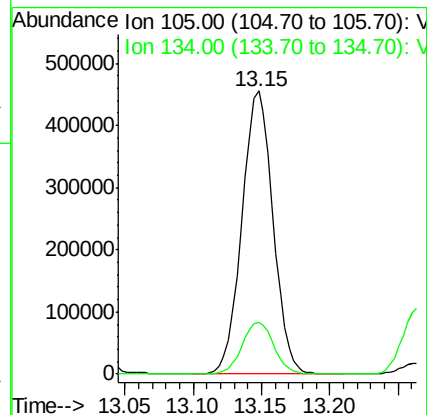
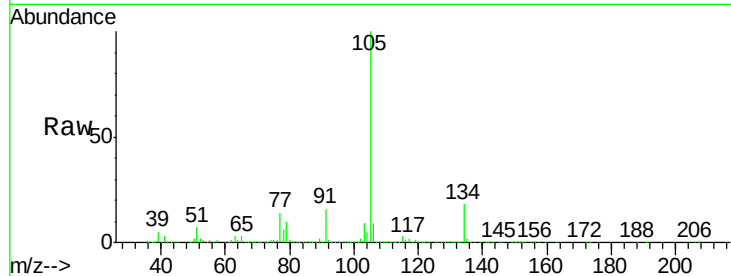
134 18.7 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.801 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

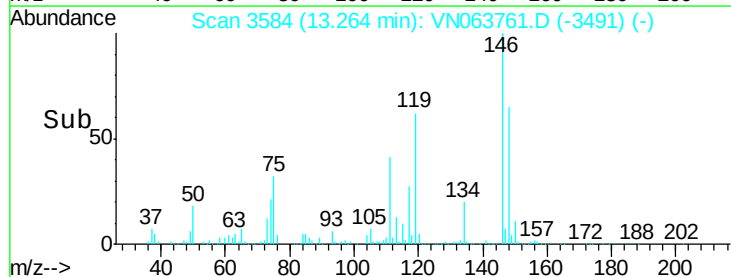
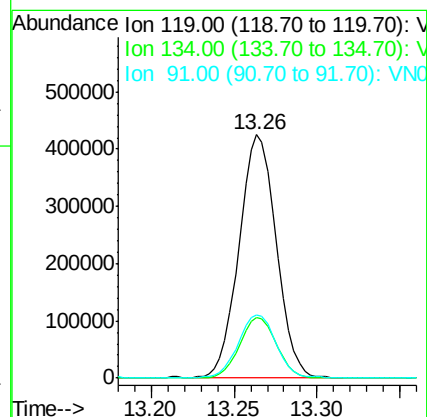
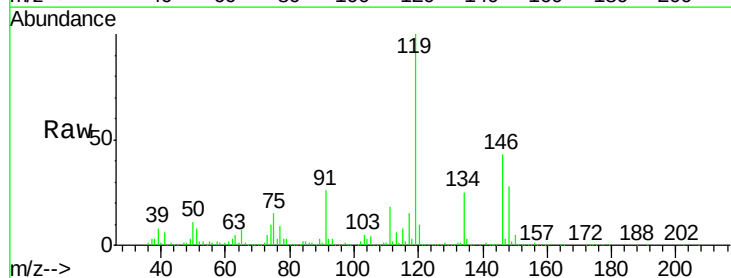
Tgt Ion:119 Resp: 658441

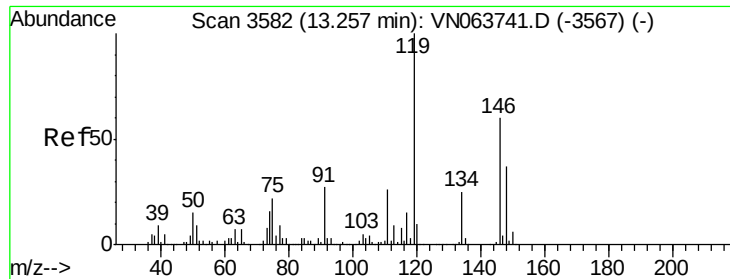
Ion Ratio Lower Upper

119 100

134 24.9 12.6 37.8

91 26.2 13.4 40.2





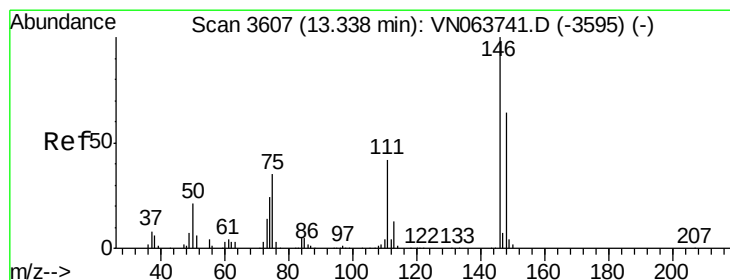
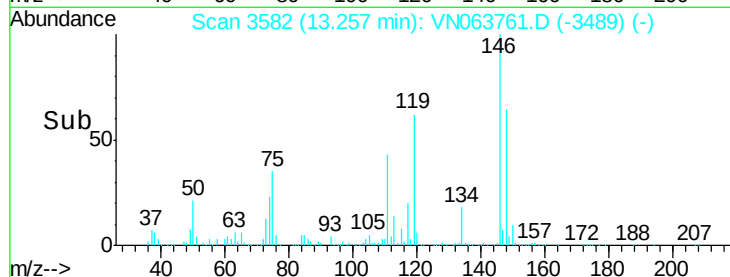
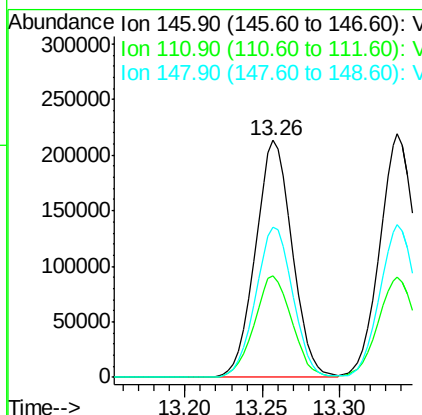
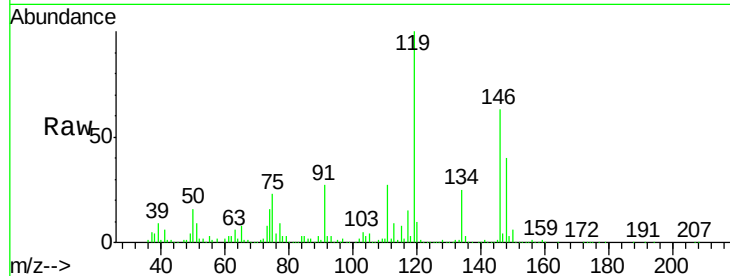
#87
 1,3-Dichlorobenzene
 Concen: 48.826 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	64.0	31.1	93.3

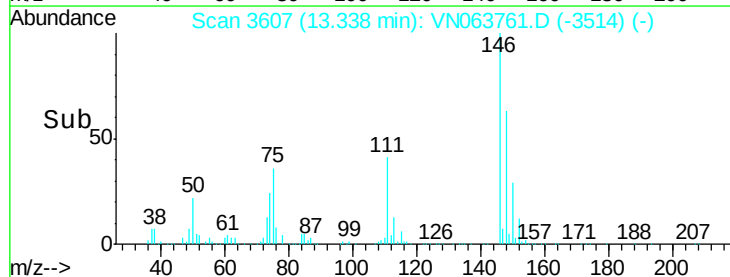
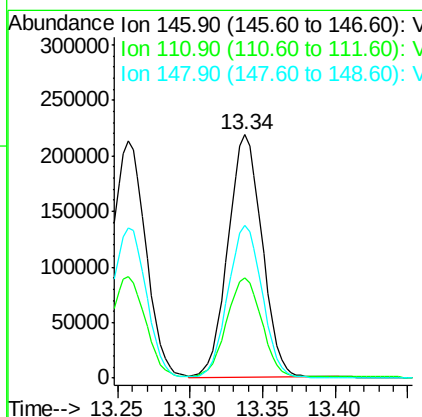
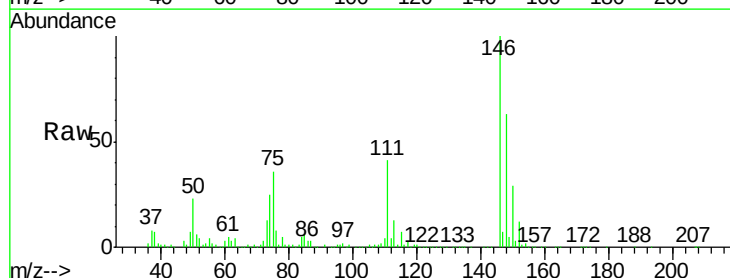
Manual Integrations
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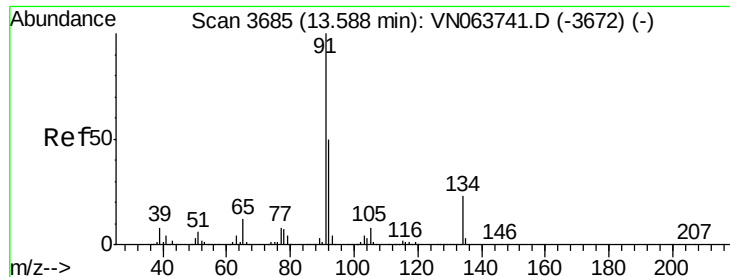
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 47.474 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.3	63.7
148	63.0	32.0	96.0





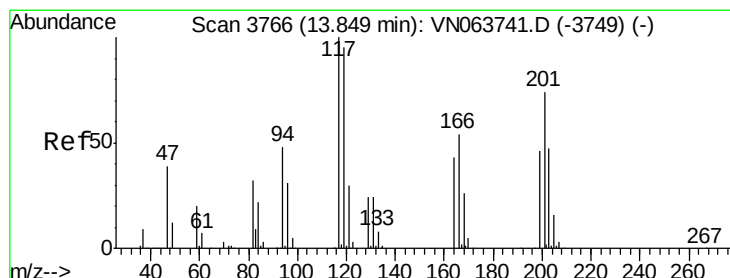
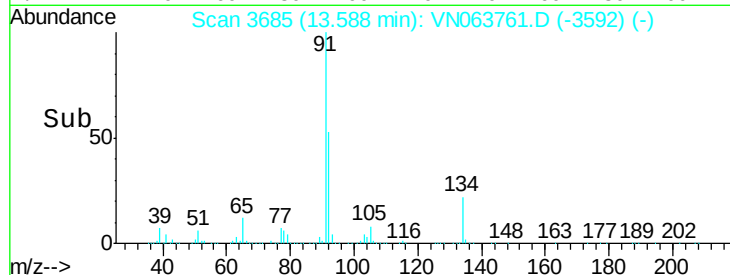
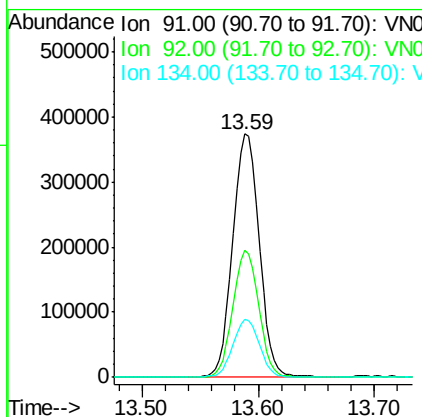
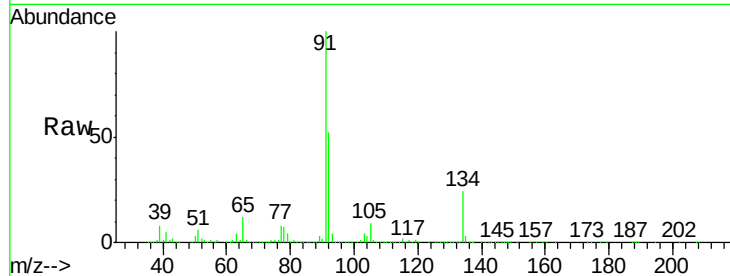
#89
n-Butylbenzene
Concen: 48.883 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.4	76.4
134	24.0	11.7	35.1

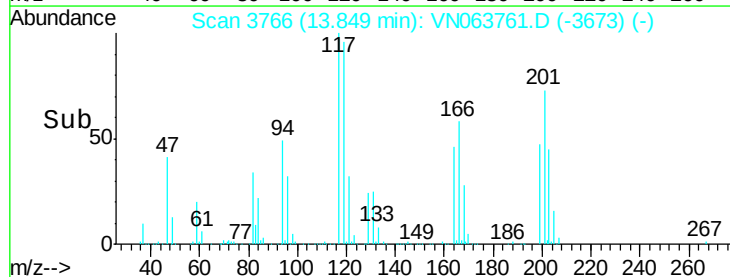
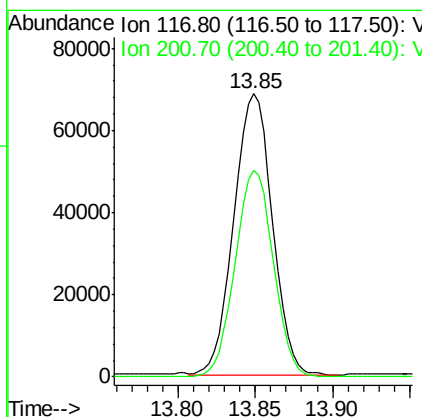
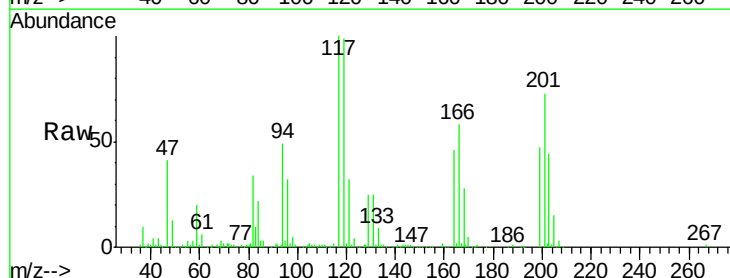
Manual Integrations
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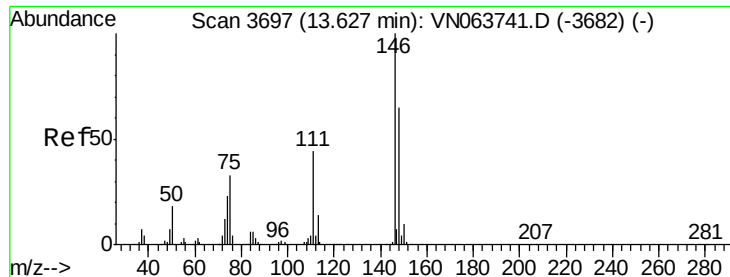
MMDadoda
10/1/2020 2:40:52 PM



#90
Hexachloroethane
Concen: 47.144 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063761.D
Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.7	36.0	108.0





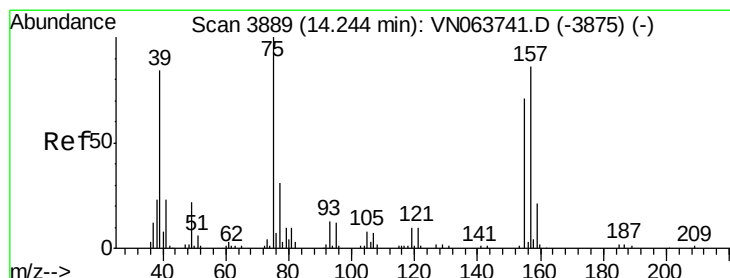
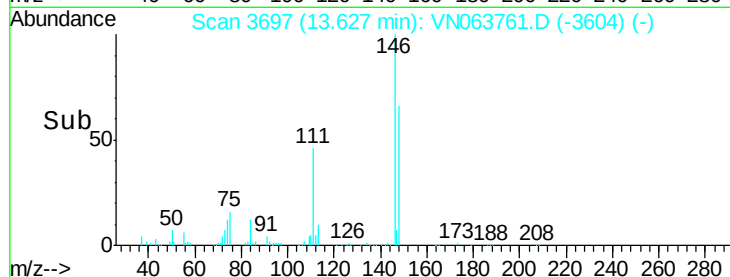
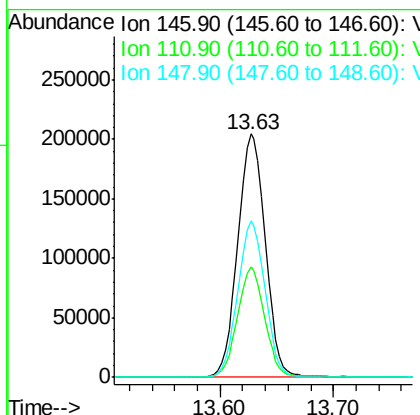
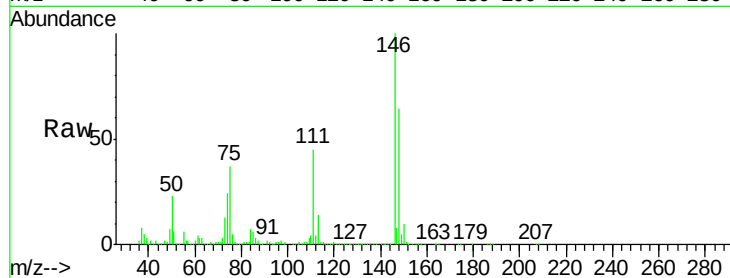
#91
 1,2-Dichlorobenzene
 Concen: 48.570 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.2	66.6
148	63.6	32.5	97.4

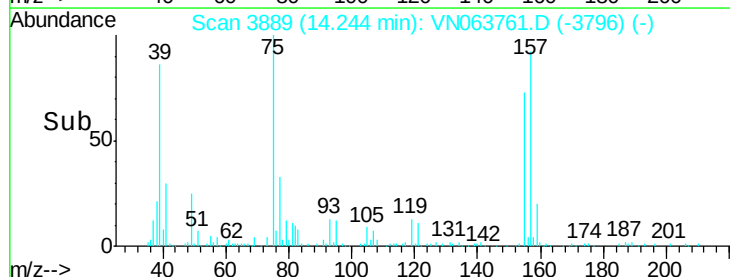
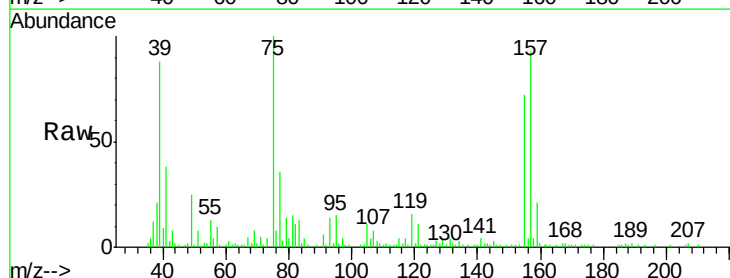
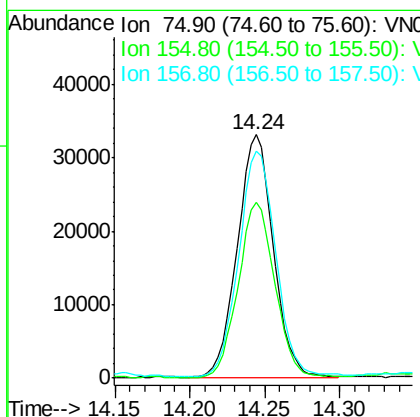
Manual Integrations
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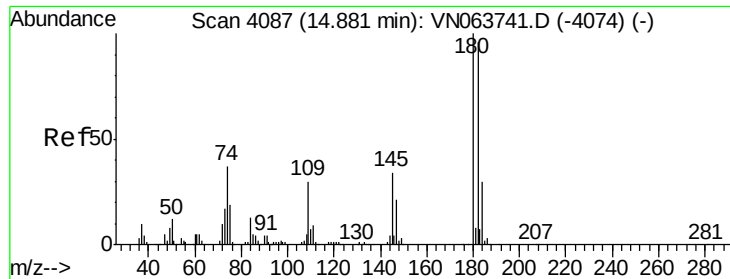
MMDadoda
 10/1/2020 2:40:52 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.943 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	34.8	104.5
157	93.8	43.7	131.1





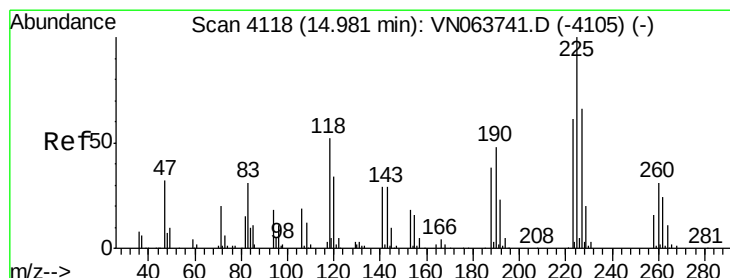
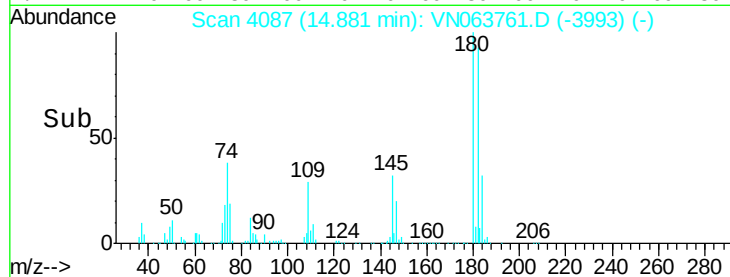
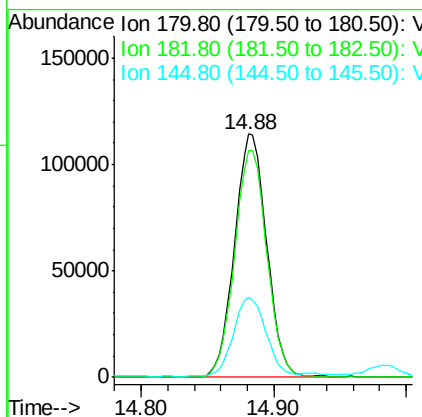
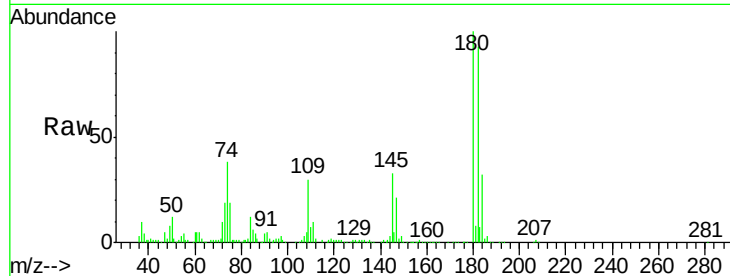
#93
 1,2,4-Trichlorobenzene
 Concen: 49.557 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	192534		
182	93.8	48.2	144.6	
145	32.9	17.1	51.2	

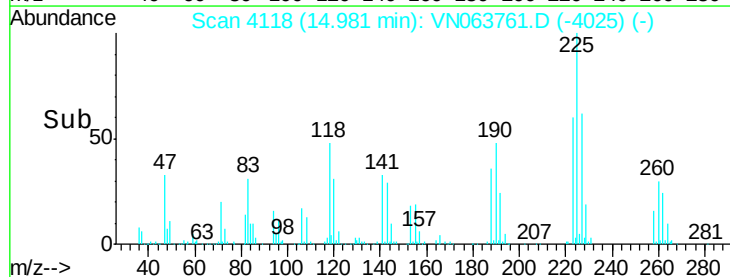
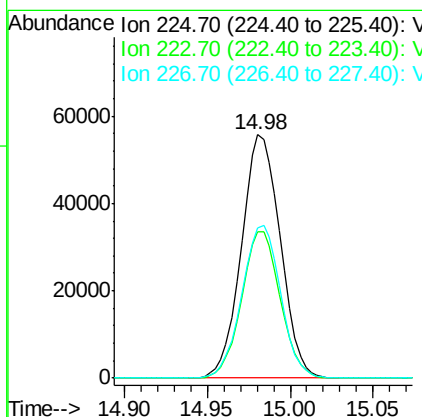
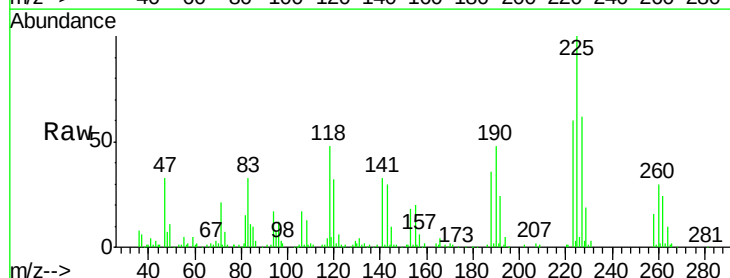
Manual Integrations
 APPROVED

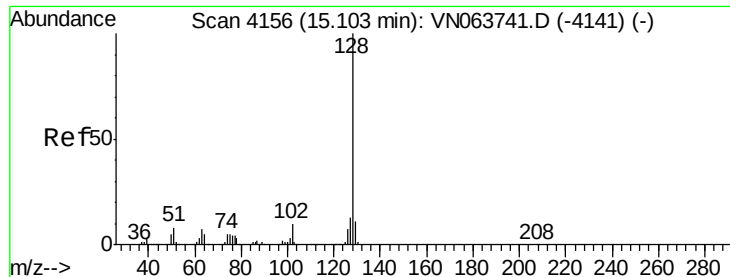
MMDadoda
 10/1/2020 2:40:52 PM



#94
 Hexachlorobutadiene
 Concen: 46.964 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN063761.D
 Acq: 30 Sep 2020 19:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	91001		
223	59.7	30.3	91.0	
227	62.5	31.9	95.5	





#95

Naphthalene

Concen: 54.515 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Instrument :

MSVOA_N

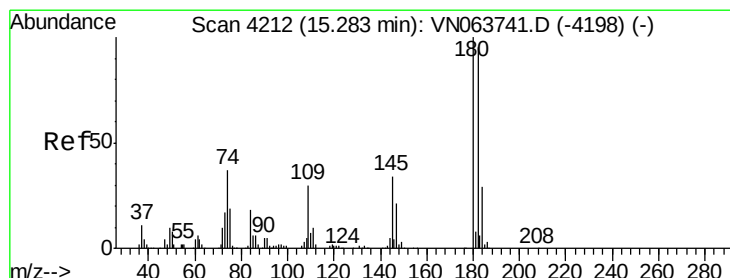
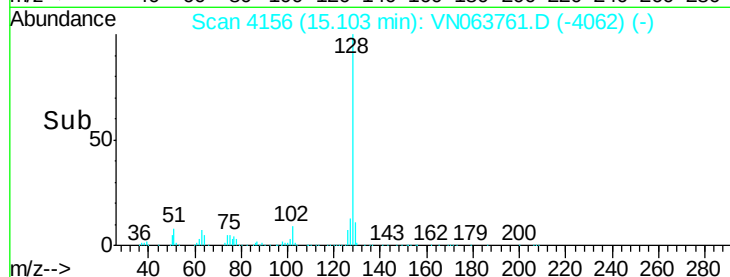
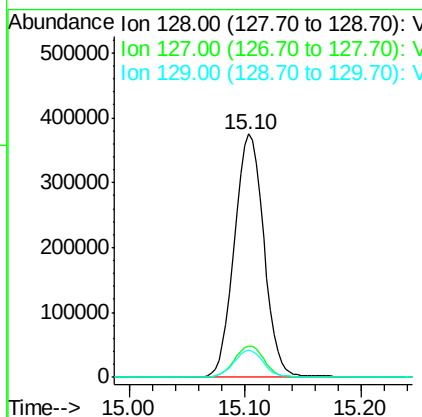
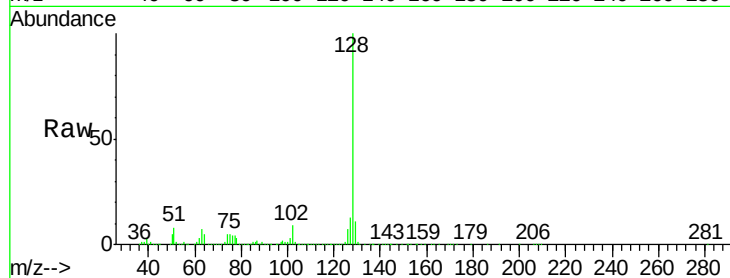
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	657701
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.5	15.7
129	11.2	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/1/2020 2:40:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 48.351 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063761.D

Acq: 30 Sep 2020 19:55

Tgt Ion:	180	Resp:	182049
Ion Ratio	Lower	Upper	
180	100		
182	95.1	47.9	143.6
145	34.5	17.2	51.5

