

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101620\
 Data File : VN064163.D
 Acq On : 16 Oct 2020 14:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 4:22:19 PM

Quant Time: Oct 17 01:40:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	481504	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	765797	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	731422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	350744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	358413	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
35) Dibromofluoromethane	7.55	113	267952	50.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.10%	
50) Toluene-d8	10.06	98	1056472	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
62) 4-Bromofluorobenzene	12.38	95	363891	52.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	221873	48.907	ug/l	100
3) Chloromethane	2.04	50	291428	51.575	ug/l	99
4) Vinyl Chloride	2.16	62	319271	45.393	ug/l	99
5) Bromomethane	2.52	94	226140	42.844	ug/l	100
6) Chloroethane	2.67	64	245095	43.831	ug/l	97
7) Trichlorofluoromethane	2.98	101	461596	47.716	ug/l	98
8) Diethyl Ether	3.37	74	146727	48.480	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.72	101	234653	49.412	ug/l	99
10) Methyl Iodide	3.91	142	288574	43.103	ug/l	100
11) Tert butyl alcohol	4.73	59	223053	293.762	ug/l	100
12) 1,1-Dichloroethene	3.69	96	221269	46.139	ug/l	96
13) Acrolein	3.57	56	143383	229.903	ug/l	97
14) Allyl chloride	4.27	41	401786	53.695	ug/l	95
15) Acrylonitrile	4.93	53	610218	279.899	ug/l	99
16) Acetone	3.77	43	615477	302.582	ug/l	98
17) Carbon Disulfide	4.01	76	658793	48.062	ug/l	99
18) Methyl Acetate	4.28	43	297798	58.364	ug/l	96
19) Methyl tert-butyl Ether	4.99	73	714079	50.481	ug/l	98
20) Methylene Chloride	4.50	84	285333	45.334	ug/l	95
21) trans-1,2-Dichloroethene	4.98	96	259405	47.710	ug/l	93
22) Diisopropyl ether	5.90	45	819902	56.404	ug/l	94
23) Vinyl Acetate	5.84	43	3797654	292.477	ug/l	96
24) 1,1-Dichloroethane	5.79	63	504836	49.732	ug/l	99
25) 2-Butanone	6.78	43	940078	300.475	ug/l	94
26) 2,2-Dichloropropane	6.77	77	405057	47.961	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	297751	46.551	ug/l	94
28) Bromochloromethane	7.15	49	278612	57.624	ug/l #	100
29) Tetrahydrofuran	7.16	42	551911	301.839	ug/l	93
30) Chloroform	7.33	83	521007	48.178	ug/l	99
31) Cyclohexane	7.61	56	370371	48.855	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	443765	47.489	ug/l	97
36) 1,1-Dichloropropene	7.75	75	381641	51.704	ug/l	99
37) Ethyl Acetate	6.88	43	402628	61.464	ug/l	98
38) Carbon Tetrachloride	7.73	117	388188	48.908	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	326205	52.568	ug/l	93
40) Benzene	8.00	78	1159296	51.864	ug/l	99
41) Methacrylonitrile	7.13	41	173262	61.093	ug/l	95
42) 1,2-Dichloroethane	8.08	62	429128	53.956	ug/l	99
43) Isopropyl Acetate	8.13	43	633025	58.234	ug/l #	88
44) Trichloroethene	8.80	130	279892	47.619	ug/l	99
45) 1,2-Dichloropropane	9.08	63	315322	53.842	ug/l	98
46) Dibromomethane	9.17	93	204451	49.207	ug/l	98
47) Bromodichloromethane	9.37	83	415759	51.145	ug/l	99
48) Methyl methacrylate	9.16	41	307266	61.194	ug/l	95
49) 1,4-Dioxane	9.16	88	94093	1234.071	ug/l	92
51) 4-Methyl-2-Pentanone	9.95	43	2049999	318.702	ug/l	97
52) Toluene	10.12	92	718588	52.320	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	444223	53.259	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	482614	52.660	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	288199	50.651	ug/l	99
56) Ethyl methacrylate	10.40	69	411040	49.864	ug/l	91
57) 1,3-Dichloropropane	10.68	76	491992	52.505	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	1129171	268.369	ug/l	97
59) 2-Hexanone	10.72	43	1504216	301.105	ug/l	95
60) Dibromochloromethane	10.87	129	310946	48.650	ug/l	99
61) 1,2-Dibromoethane	10.98	107	291347	50.307	ug/l	99
64) Tetrachloroethene	10.60	164	254389	46.131	ug/l	98
65) Chlorobenzene	11.41	112	749024	48.630	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	283068	48.406	ug/l	100
67) Ethyl Benzene	11.48	91	1380130	53.490	ug/l	98
68) m/p-Xylenes	11.59	106	1017534	95.758	ug/l	95
69) o-Xylene	11.92	106	474964	46.771	ug/l	96
70) Styrene	11.94	104	843408	48.135	ug/l	99
71) Bromoform	12.10	173	216596	44.946	ug/l #	99
73) Isopropylbenzene	12.22	105	1267845	49.903	ug/l	99
74) N-amyl acetate	12.05	43	573346	60.261	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	422617	48.315	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	380771m	46.274	ug/l	
77) Bromobenzene	12.50	156	305762	44.331	ug/l	85
78) n-propylbenzene	12.57	91	1526498	53.832	ug/l	97
79) 2-Chlorotoluene	12.65	91	904835	50.171	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	1077074	52.817	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	146623	54.439	ug/l	96
82) 4-Chlorotoluene	12.75	91	951213	52.332	ug/l	97
83) tert-Butylbenzene	12.97	119	843189	49.996	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	1064282	50.072	ug/l	99
85) sec-Butylbenzene	13.14	105	1139069	52.539	ug/l	99
86) p-Isopropyltoluene	13.26	119	1026302	50.047	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	556921	48.462	ug/l	97
88) 1,4-Dichlorobenzene	13.34	146	560981	47.727	ug/l	98
89) n-Butylbenzene	13.59	91	869657	55.048	ug/l	98
90) Hexachloroethane	13.85	117	180392	49.995	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	550841	48.159	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	83218	49.430	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	242589	43.625	ug/l	96
94) Hexachlorobutadiene	14.98	225	138761	50.925	ug/l	98
95) Naphthalene	15.10	128	716197	42.347	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	248784	44.754	ug/l	98

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

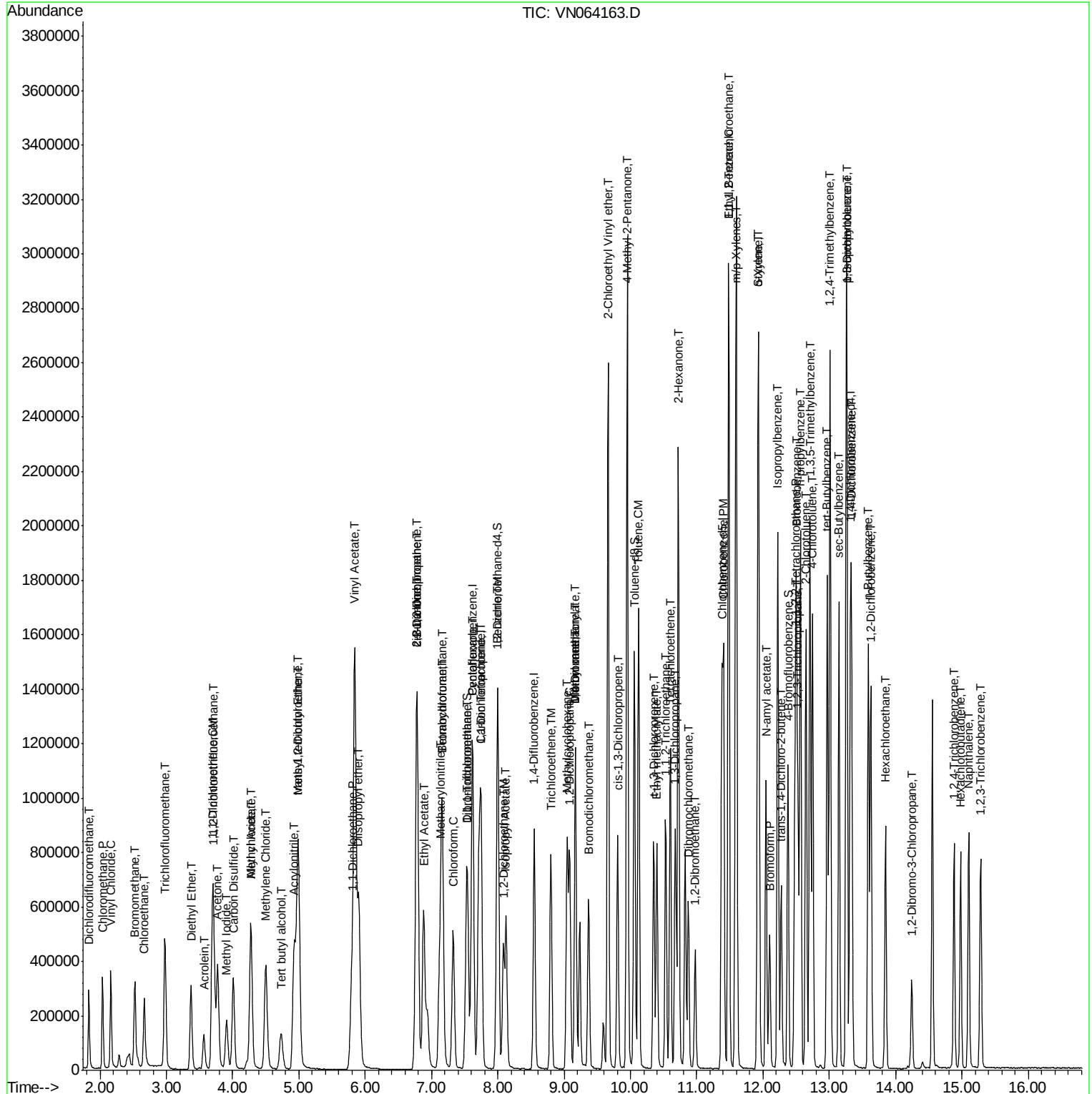
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101620\
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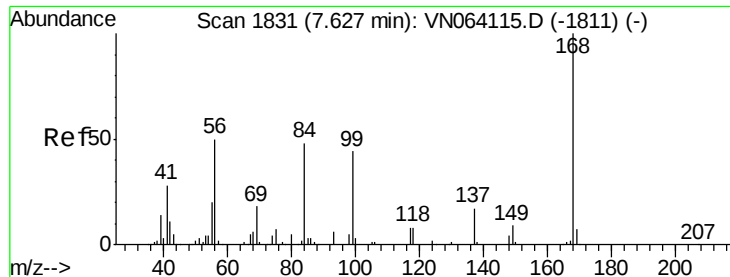
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 481504

Ion Ratio Lower Upper

168 100

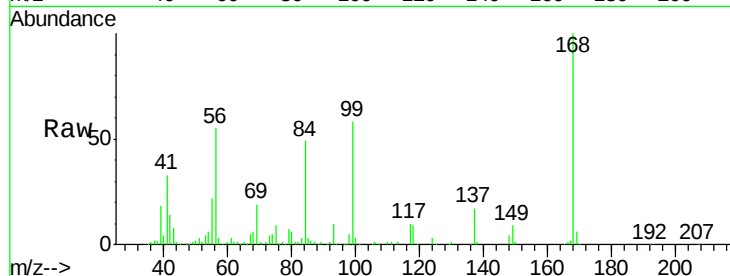
99 57.8 43.6 65.4

Manual Integrations

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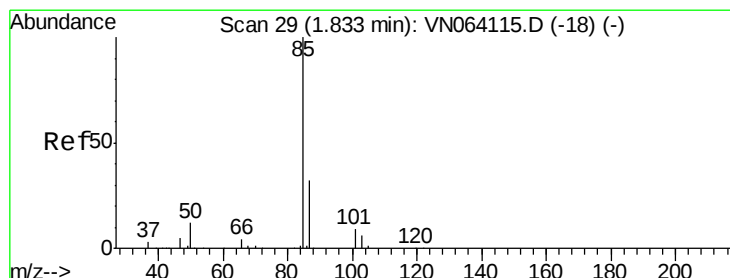
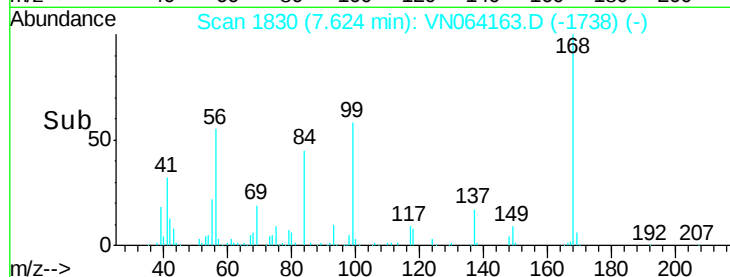
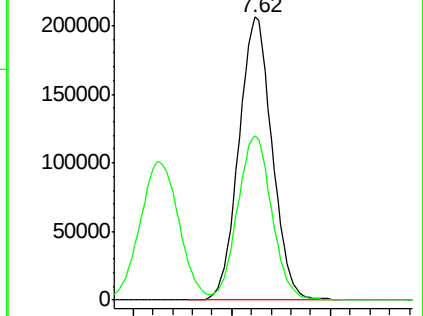
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 48.907 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064163.D

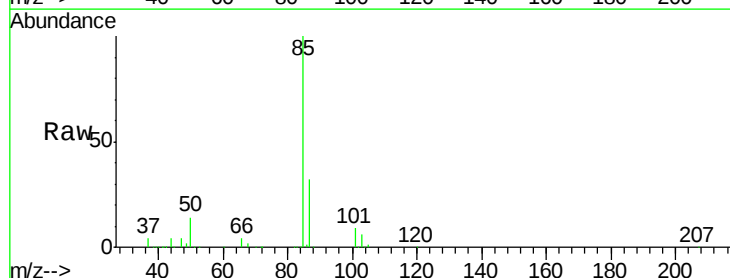
Acq: 16 Oct 2020 14:18

Tgt Ion: 85 Resp: 221873

Ion Ratio Lower Upper

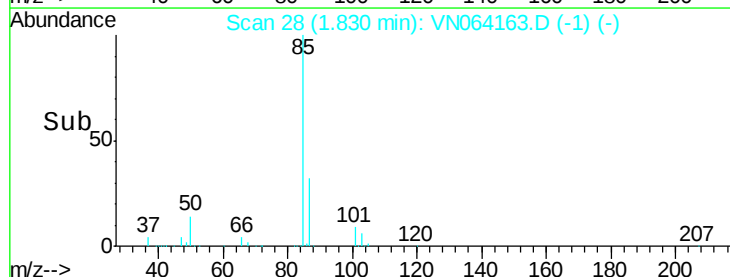
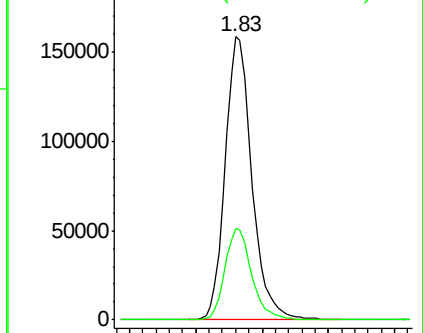
85 100

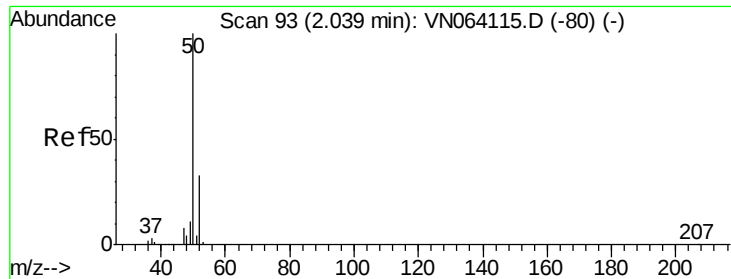
87 32.4 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 51.575 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 291428

Ion Ratio Lower Upper

50 100

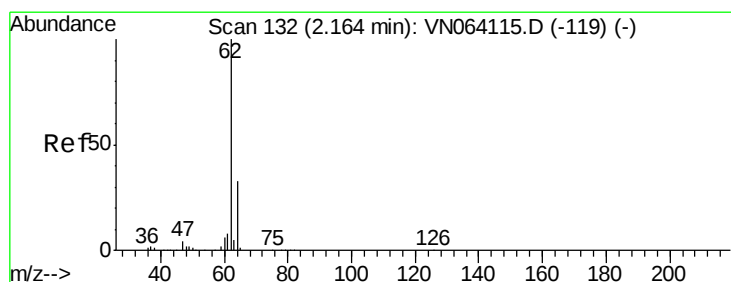
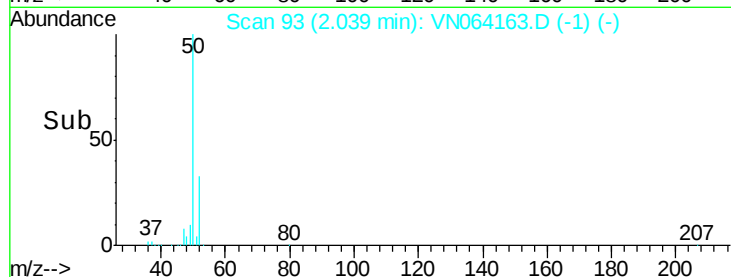
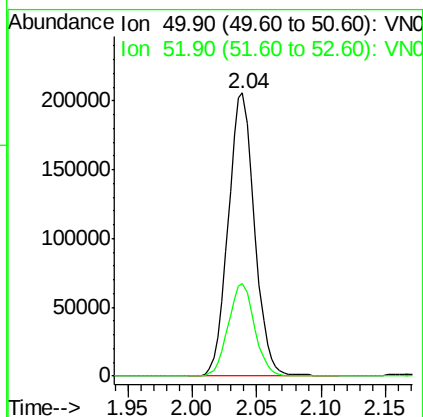
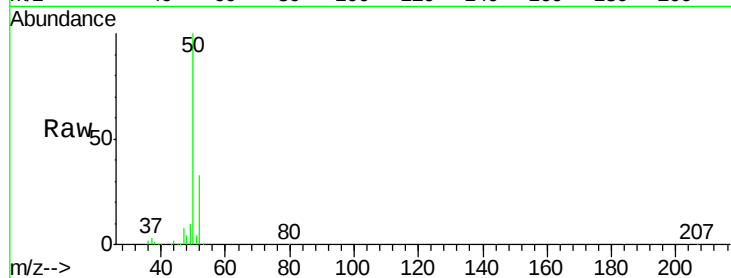
52 33.0 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.393 ug/l

RT: 2.16 min Scan# 131

Delta R.T. -0.00 min

Lab File: VN064163.D

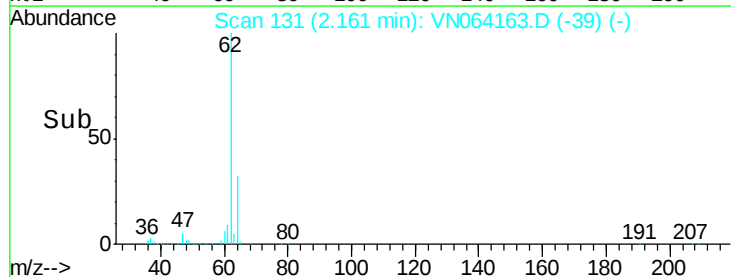
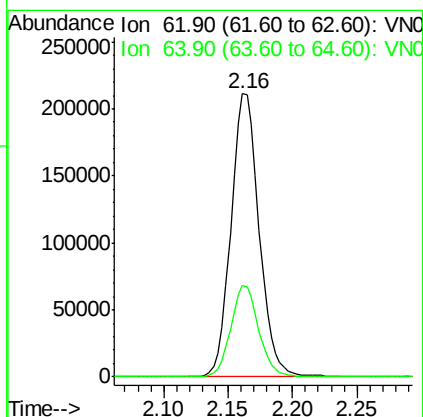
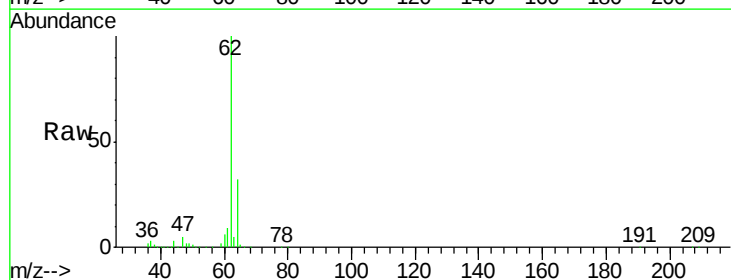
Acq: 16 Oct 2020 14:18

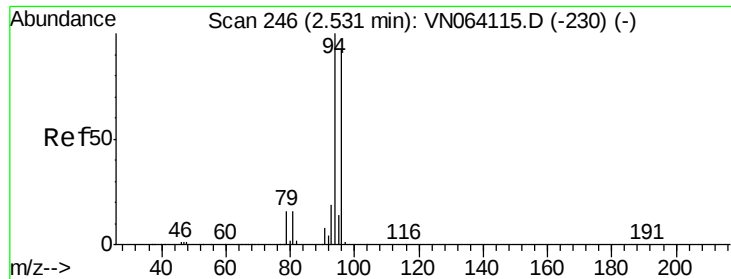
Tgt Ion: 62 Resp: 319271

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4





#5

Bromomethane

Concen: 42.844 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.01 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 226140

Ion Ratio Lower Upper

94 100

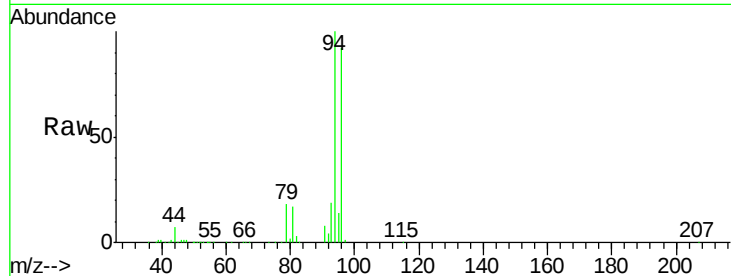
96 91.8 73.5 110.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.52

120000

100000

80000

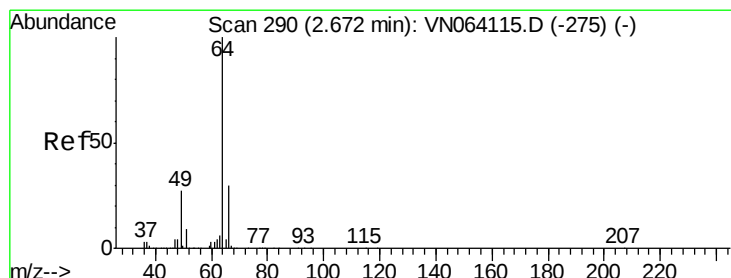
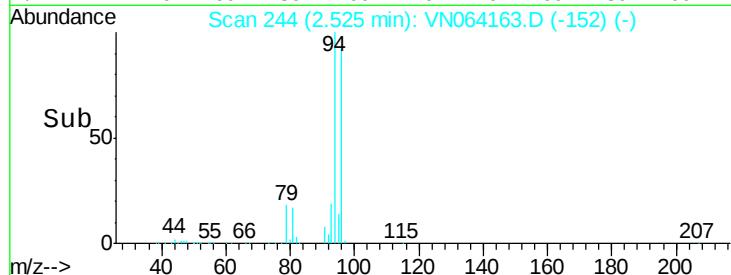
60000

40000

20000

0

Time--> 2.40 2.50 2.60



#6

Chloroethane

Concen: 43.831 ug/l

RT: 2.67 min Scan# 288

Delta R.T. -0.01 min

Lab File: VN064163.D

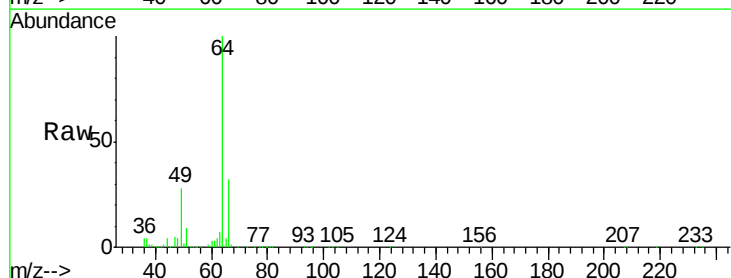
Acq: 16 Oct 2020 14:18

Tgt Ion: 64 Resp: 245095

Ion Ratio Lower Upper

64 100

66 31.6 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

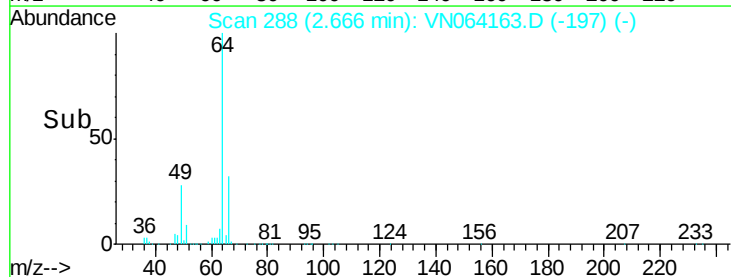
2.67

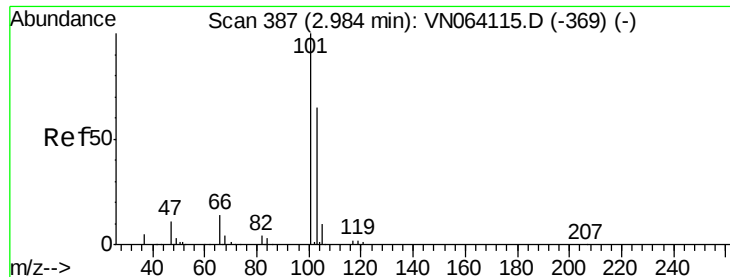
100000

50000

0

Time--> 2.60 2.70 2.80





#7

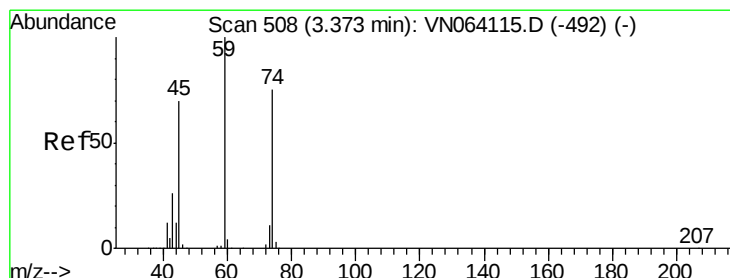
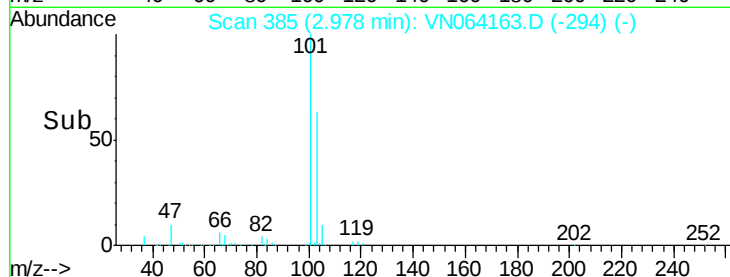
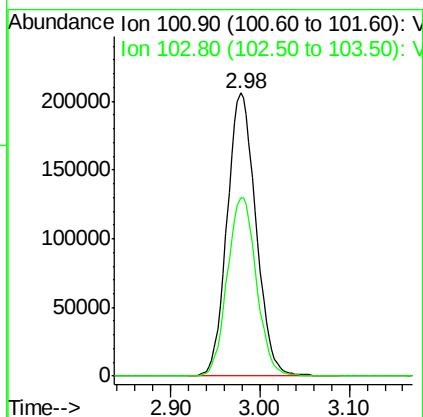
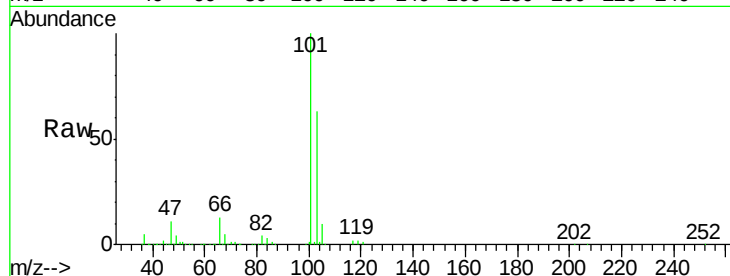
Trichlorofluoromethane
 Concen: 47.716 ug/l
 RT: 2.98 min Scan# 385
 Delta R.T. -0.01 min
 Lab File: VN064163.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.8	77.6

Manual Integrations
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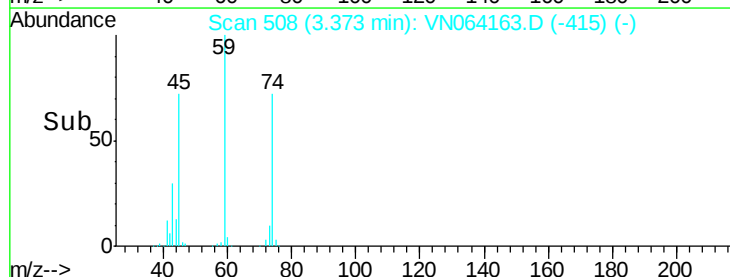
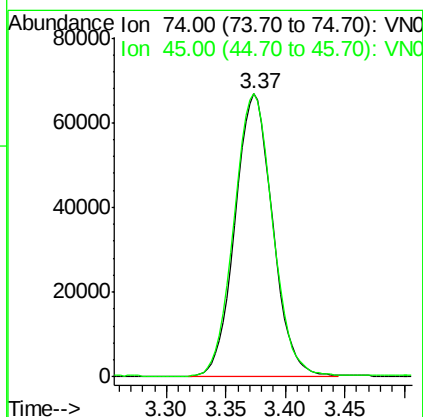
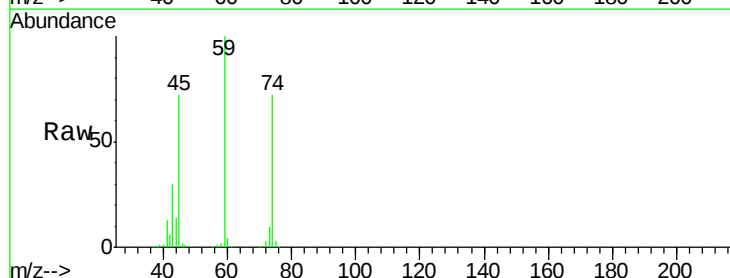
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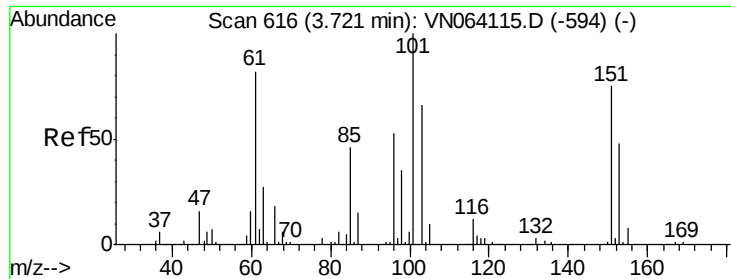


#8

Diethyl Ether
 Concen: 48.480 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	47.0	141.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.412 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

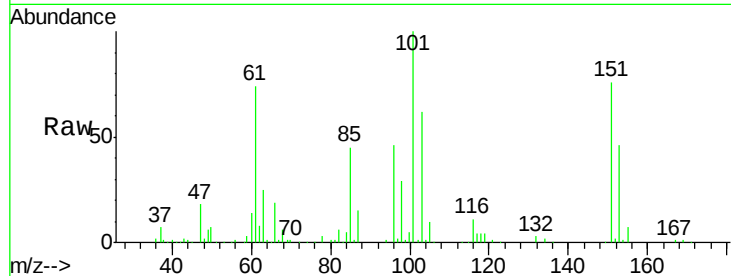
ClientSampleId :

VSTDCCC050

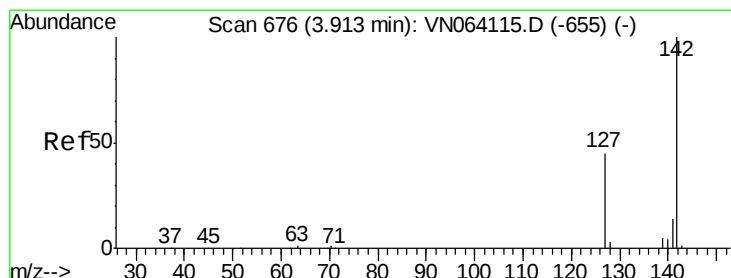
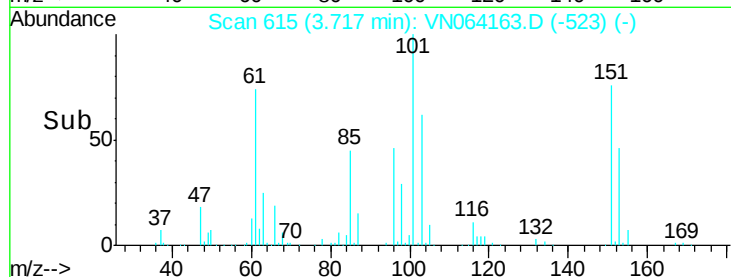
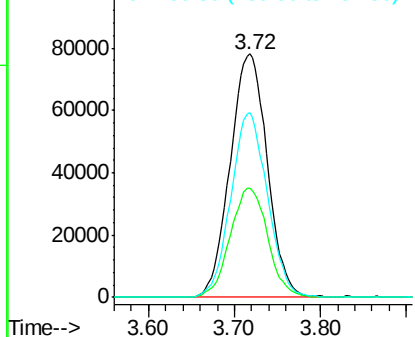
Tot Ion:	101	Resp:	234653
Ion Ratio	Lower	Upper	
101	100		
85	45.3	36.9	55.3
151	74.7	60.7	91.1

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 43.103 ug/l

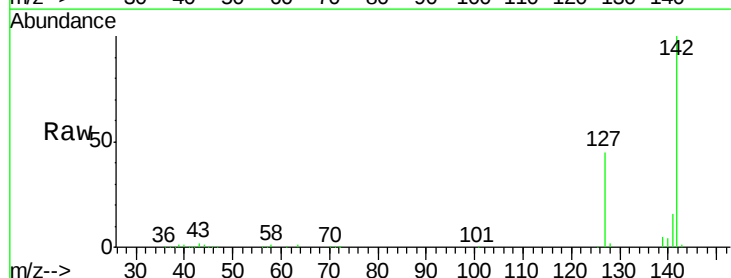
RT: 3.91 min Scan# 674

Delta R.T. -0.01 min

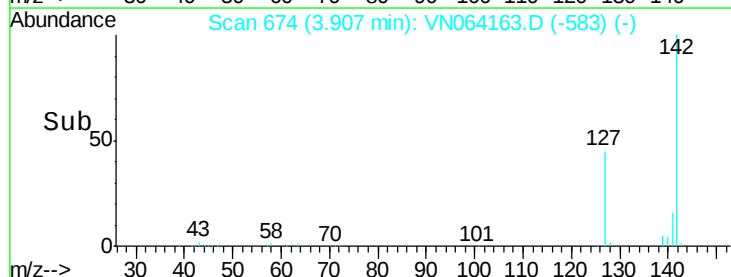
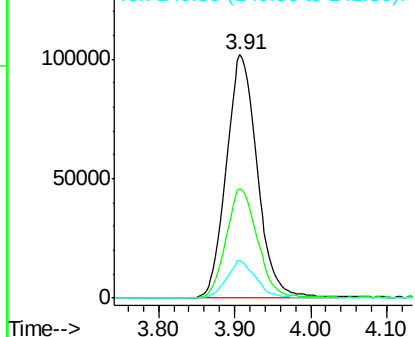
Lab File: VN064163.D

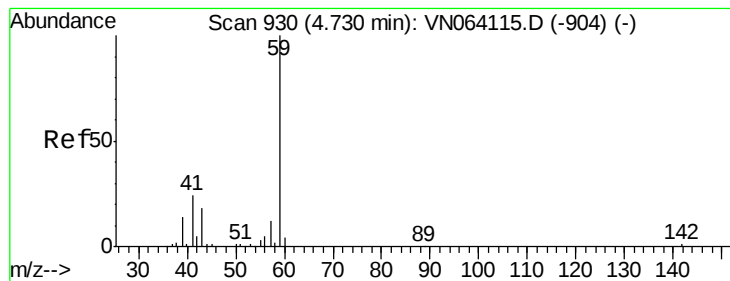
Acq: 16 Oct 2020 14:18

Tgt Ion:	142	Resp:	288574
Ion Ratio	Lower	Upper	
142	100		
127	45.5	36.3	54.5
141	14.6	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

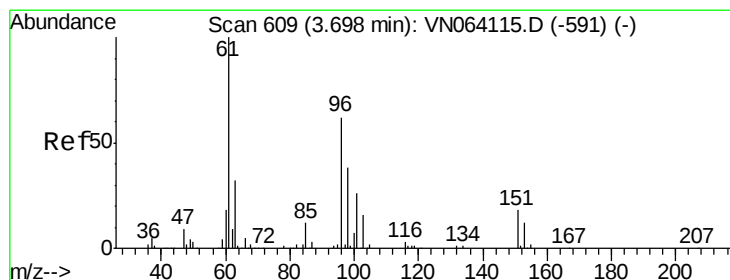
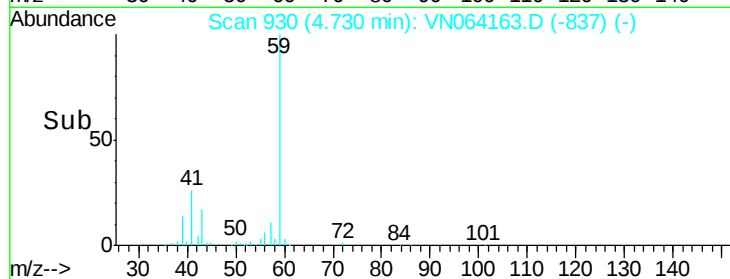
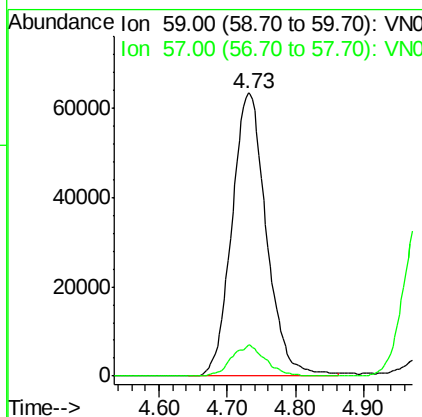
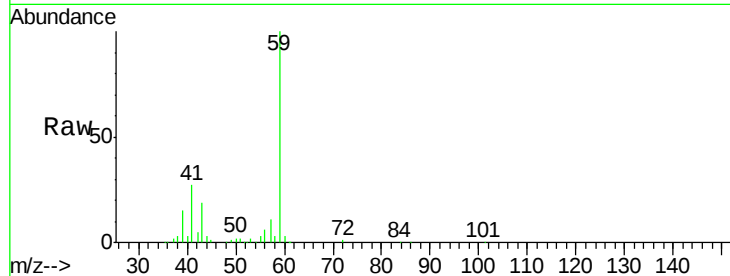
Tert butyl alcohol
Concen: 293.762 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.9	13.3

Manual Integrations
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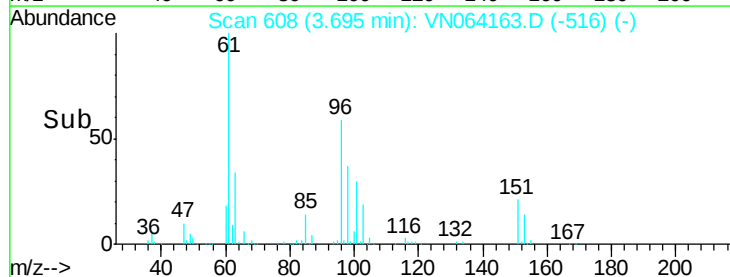
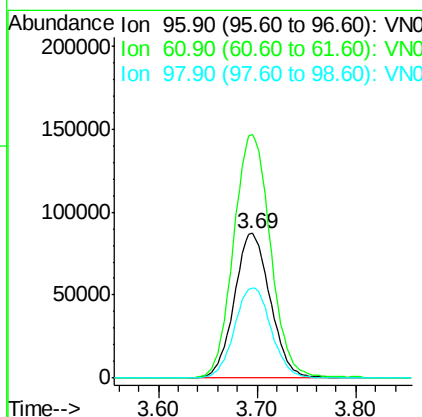
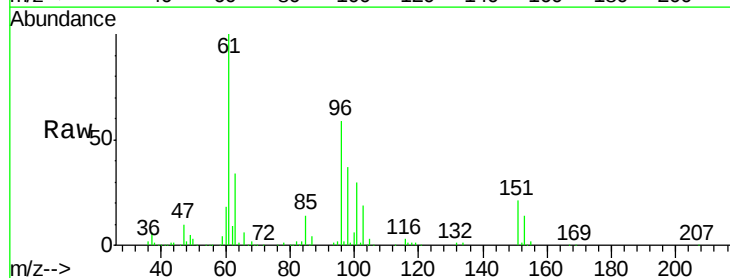
MMDadoda
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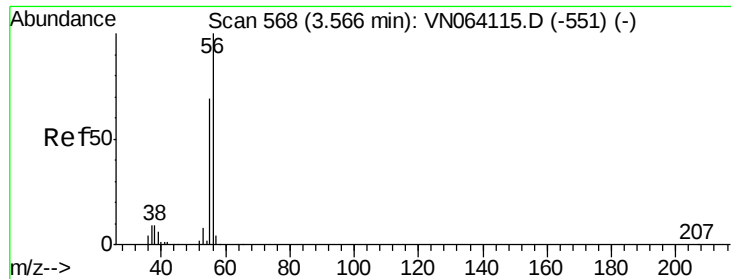


#12

1,1-Dichloroethene
Concen: 46.139 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.5	129.9	194.9
98	62.7	48.9	73.3





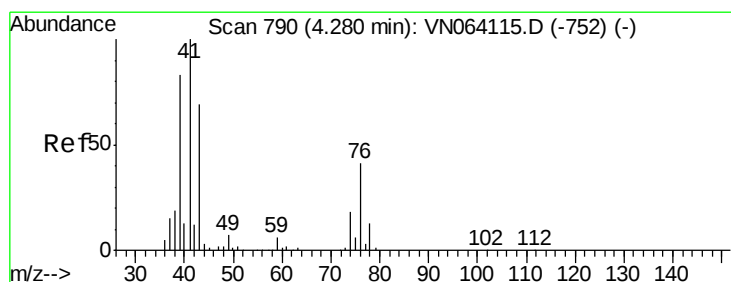
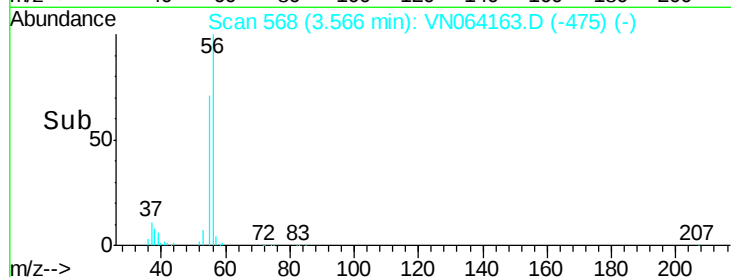
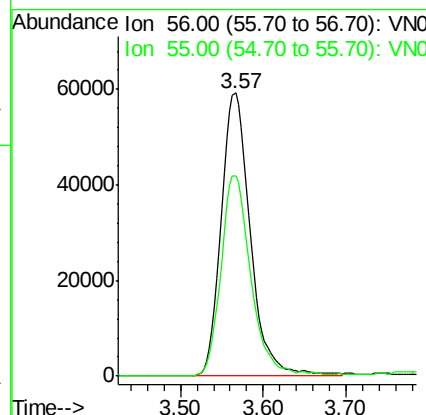
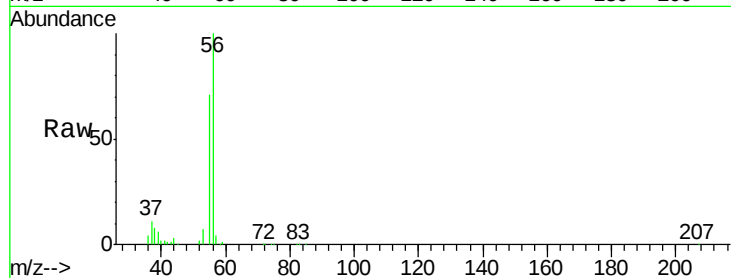
#13
Acrolein
Concen: 229.903 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	143383
Ion Ratio	100	Lower	Upper
55	72.4	55.8	83.6

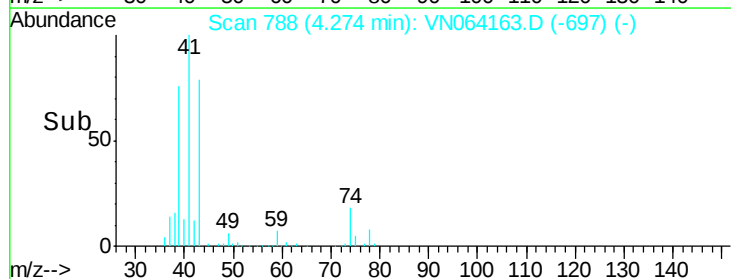
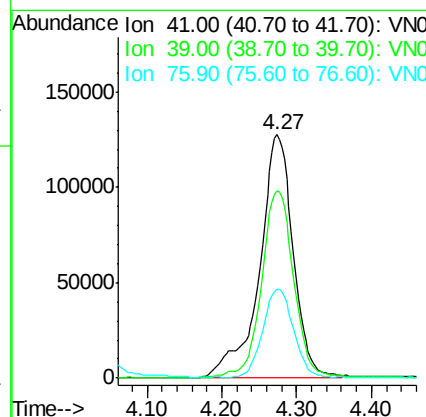
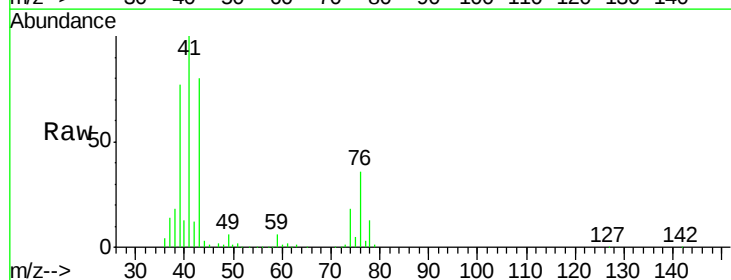
Manual Integrations
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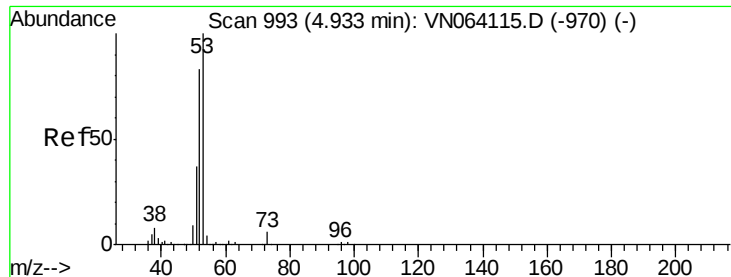
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#14
Allyl chloride
Concen: 53.695 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.01 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	41	Resp	401786
Ion Ratio	100	Lower	Upper
39	72.3	60.5	90.7
76	32.9	29.5	44.3





#15

Acrylonitrile

Concen: 279.899 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

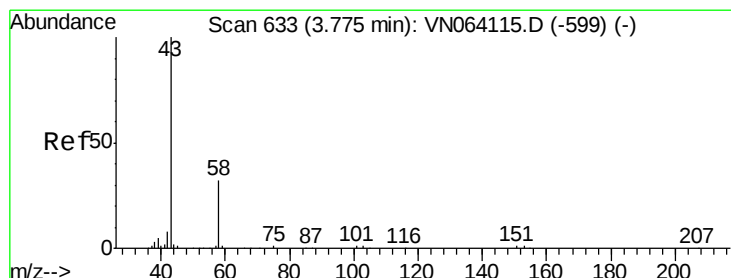
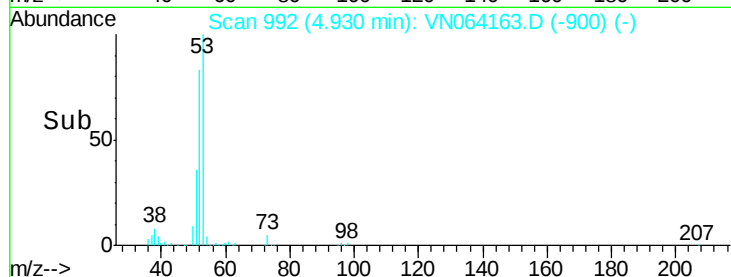
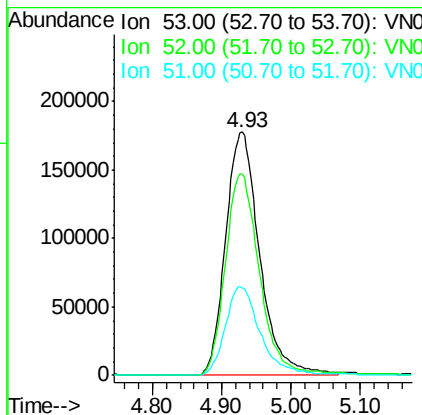
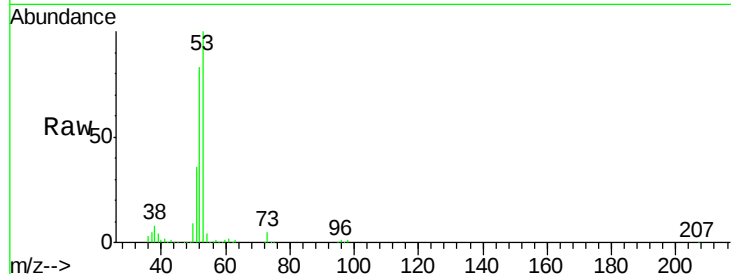
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	610218
Ion Ratio		Lower	Upper
53	100		
52	82.5	65.8	98.6
51	37.6	29.4	44.2

Manual Integrations
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#16

Acetone

Concen: 302.582 ug/l

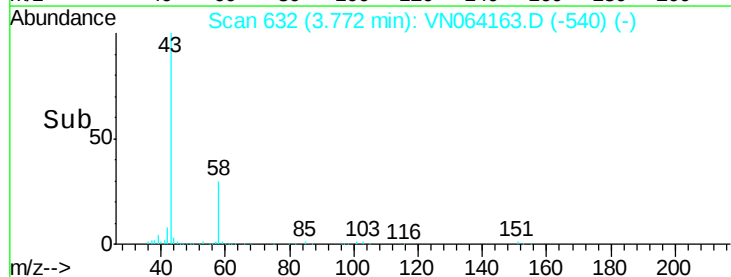
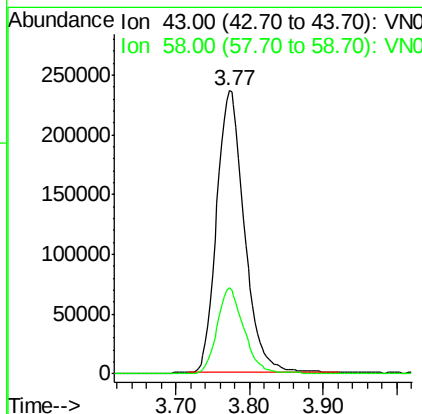
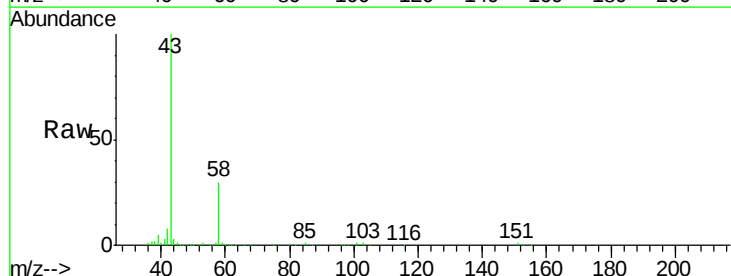
RT: 3.77 min Scan# 632

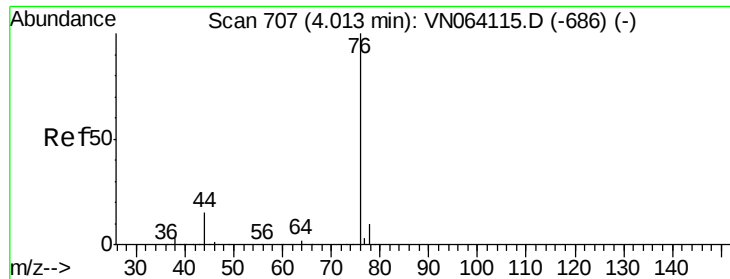
Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion:	43	Resp:	615477
Ion Ratio		Lower	Upper
43	100		
58	30.5	25.2	37.8





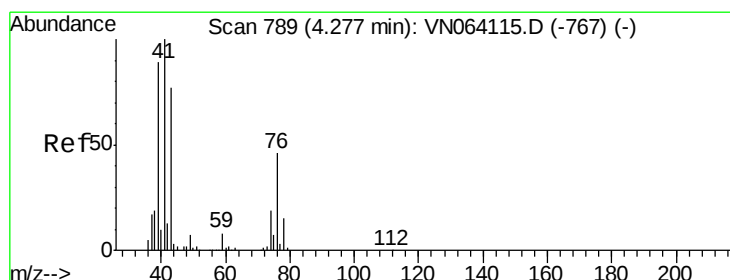
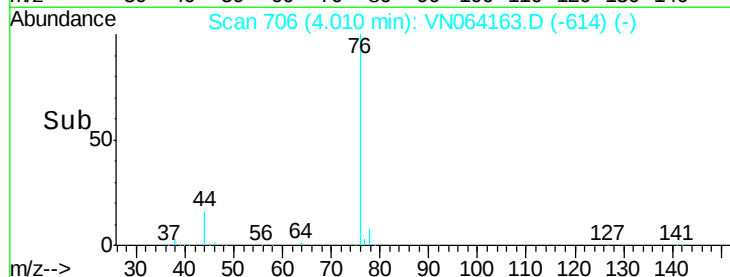
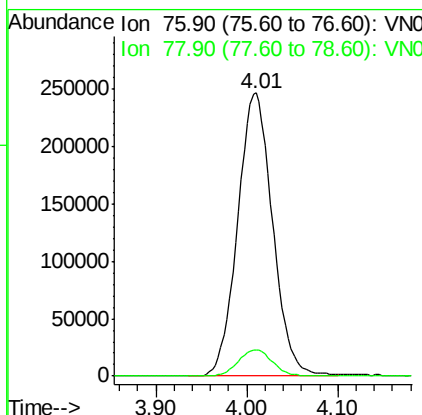
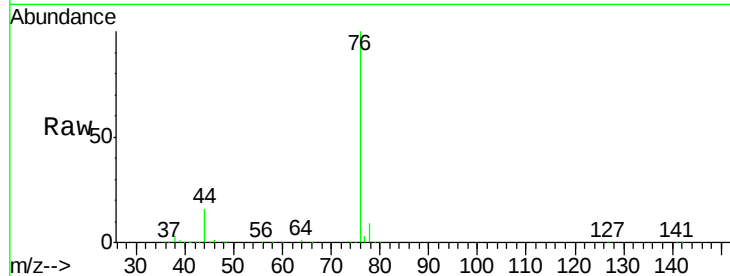
#17
Carbon Disulfide
Concen: 48.062 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 658793
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4

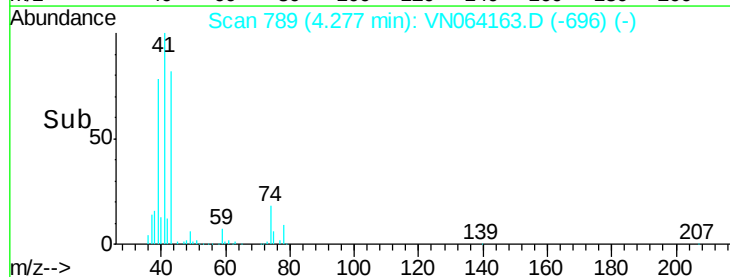
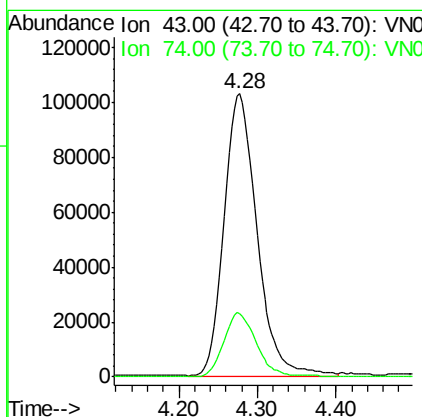
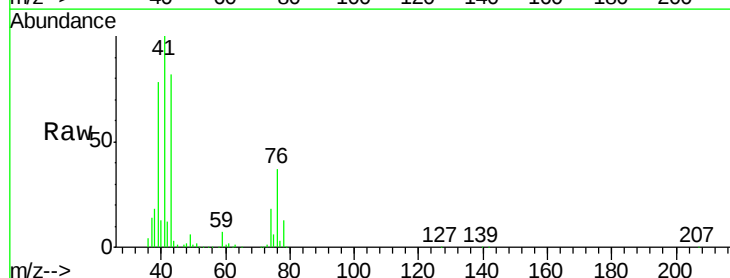
Manual Integrations
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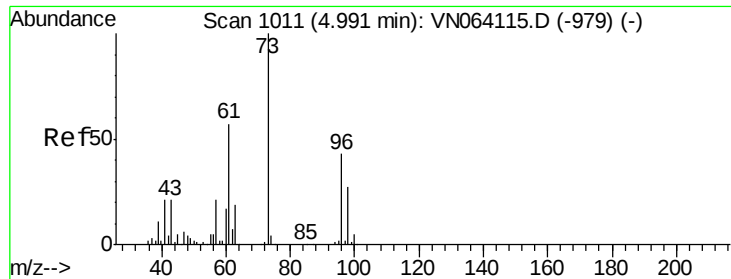
MMDadoda
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#18
Methyl Acetate
Concen: 58.364 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 43 Resp: 297798
Ion Ratio Lower Upper
43 100
74 22.5 19.7 29.5





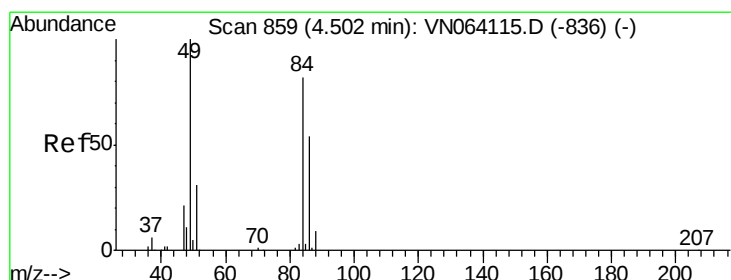
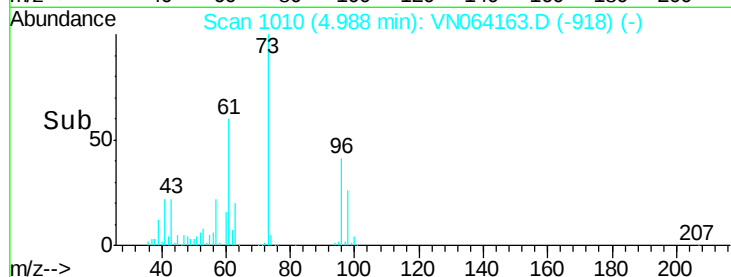
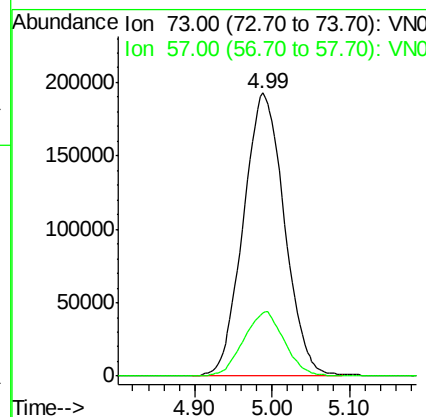
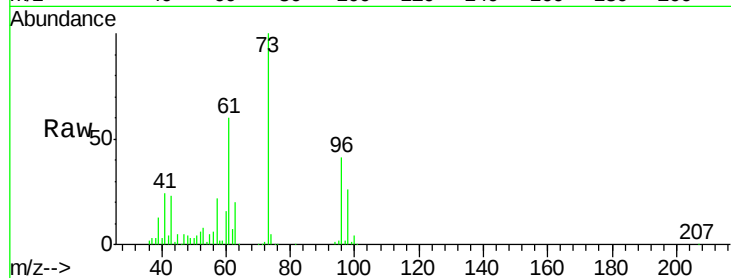
#19
Methvl tert-butvl Ether
Concen: 50.481 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 714079
Ion Ratio Lower Upper
73 100
57 22.4 17.0 25.4

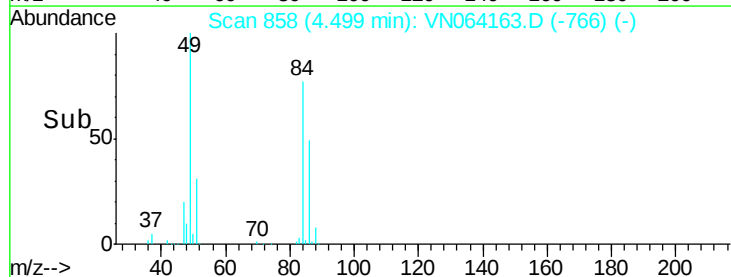
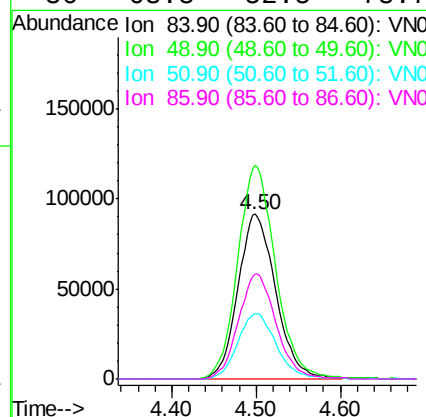
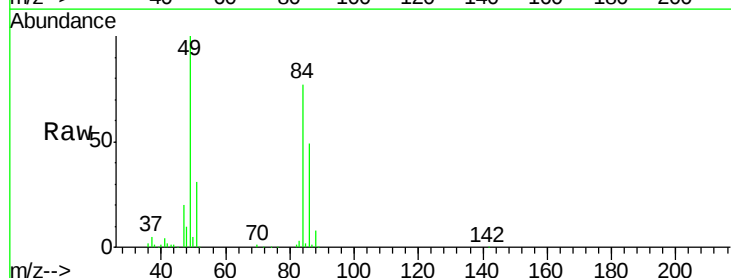
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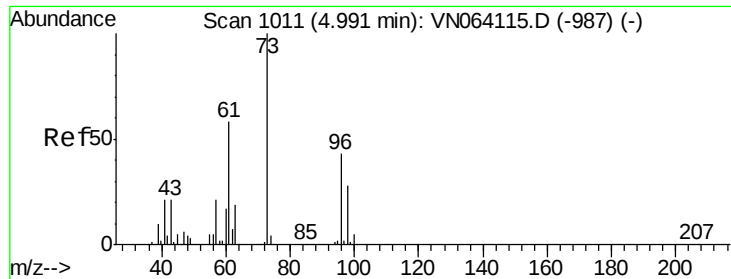
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#20
Methylene Chloride
Concen: 45.334 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 84 Resp: 285333
Ion Ratio Lower Upper
84 100
49 129.6 97.4 146.0
51 39.8 29.7 44.5
86 63.8 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 47.710 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.01 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 259405

Ion Ratio Lower Upper

96 100

61 144.5 107.0 160.4

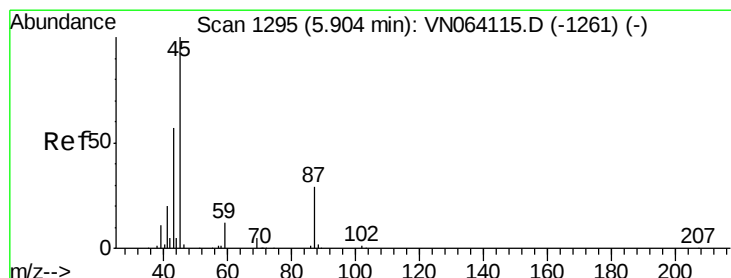
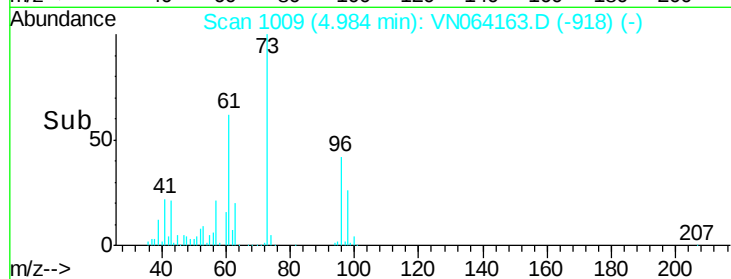
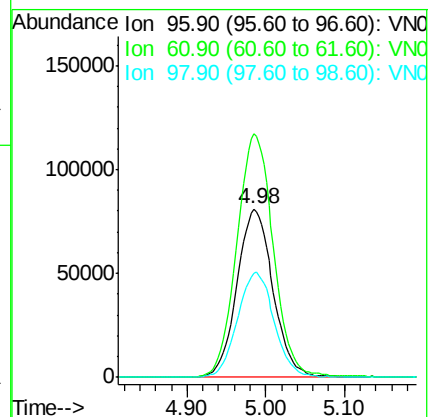
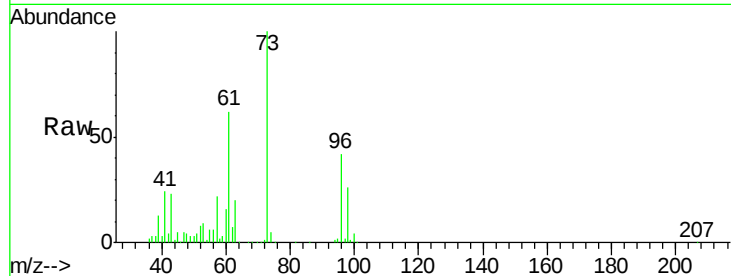
98 62.1 51.0 76.6

Manual Integrations

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#22

Diisopropyl ether

Concen: 56.404 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion: 45 Resp: 819902

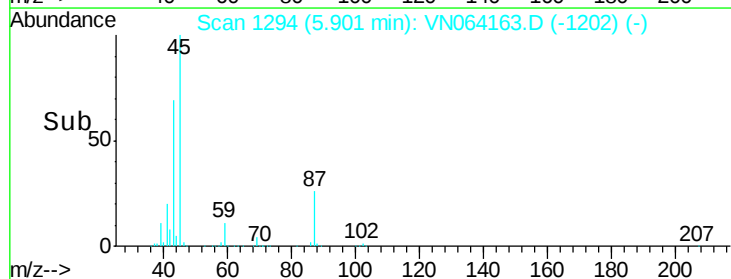
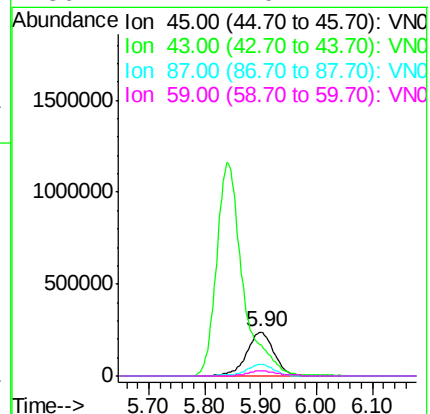
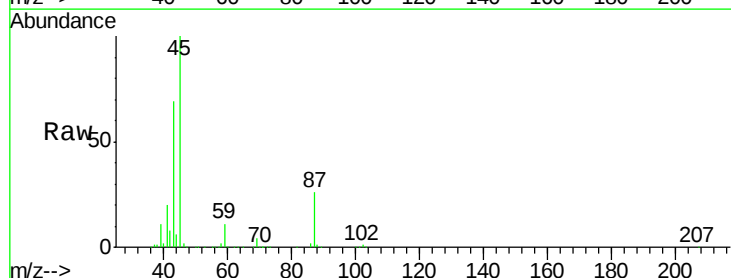
Ion Ratio Lower Upper

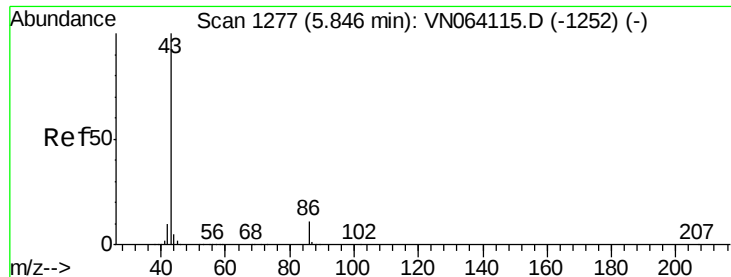
45 100

43 68.1 50.9 76.3

87 25.9 23.5 35.3

59 11.1 9.4 14.2





#23

Vinyl Acetate

Concen: 292.477 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3797654

Ion Ratio Lower Upper

43 100

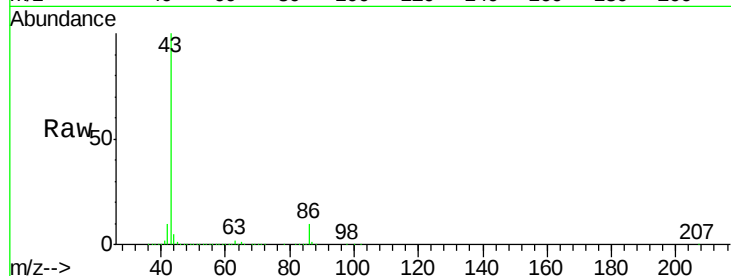
86 9.5 8.8 13.2

Manual Integrations

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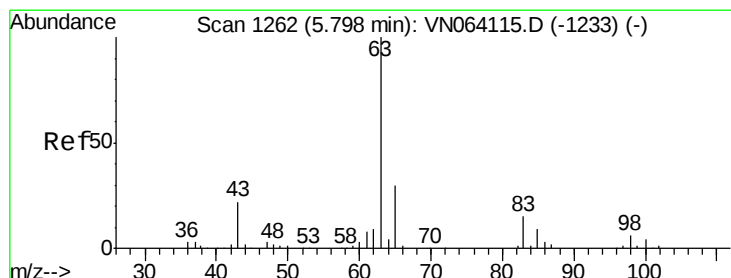
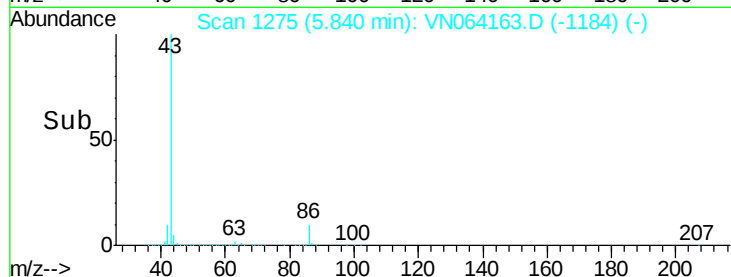
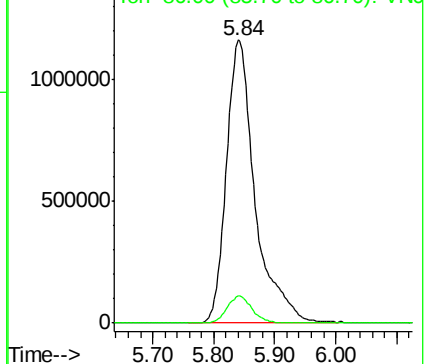
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 49.732 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

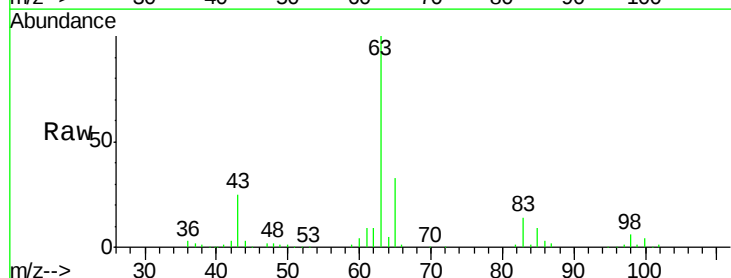
Tgt Ion: 63 Resp: 504836

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

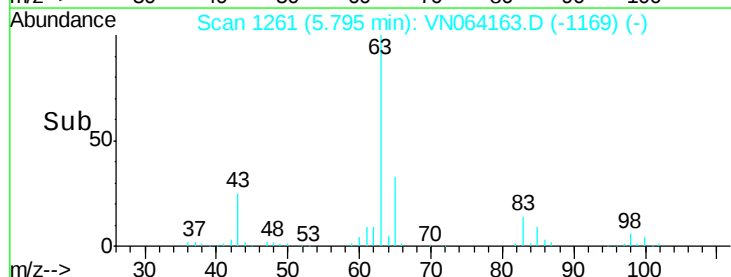
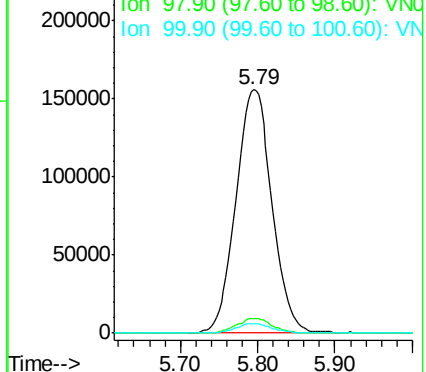
100 3.9 2.1 6.2

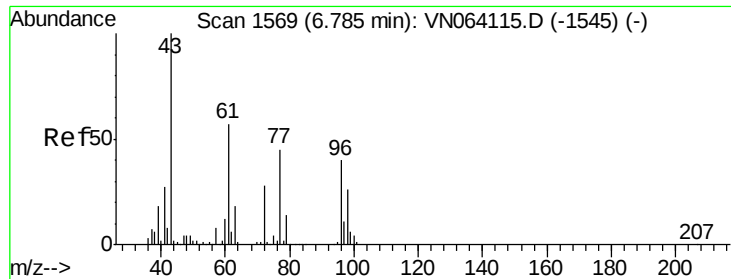


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 300.475 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tot Ion: 43 Resp: 940078

Ion Ratio Lower Upper

43 100

72 24.7 22.2 33.2

Instrument :

MSVOA_N

ClientSampleId :

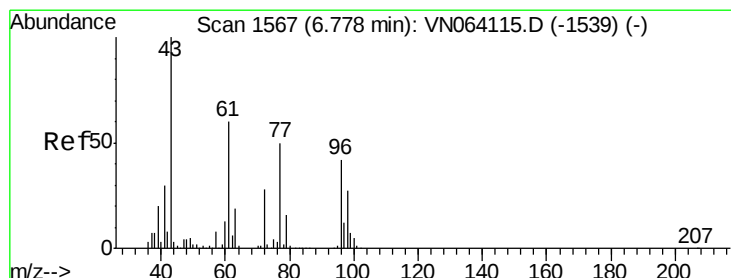
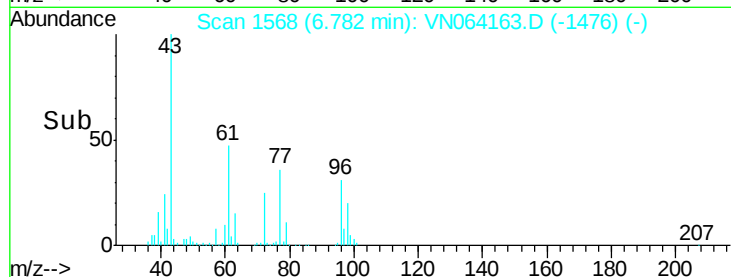
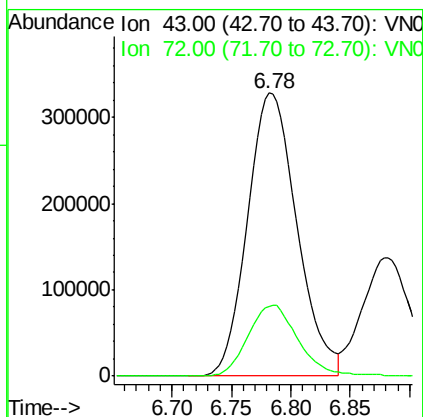
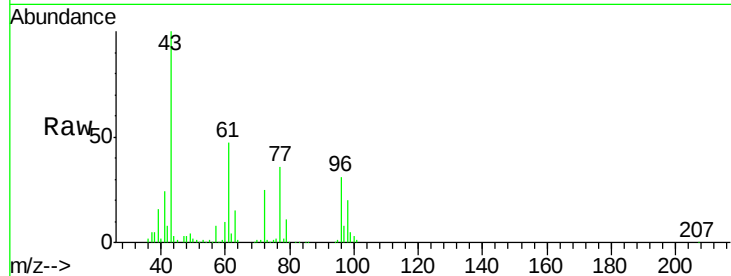
VSTDCCC050

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.961 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN064163.D

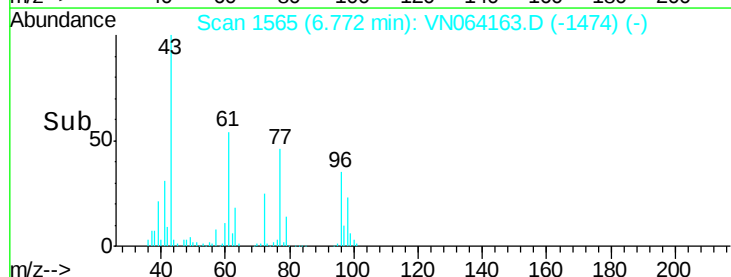
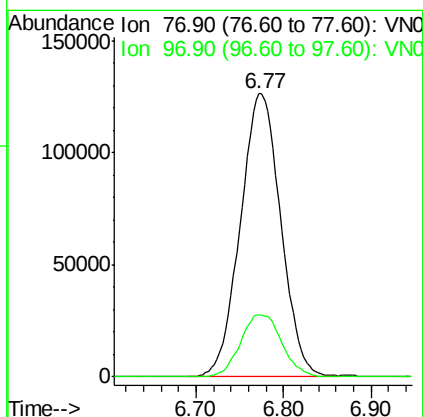
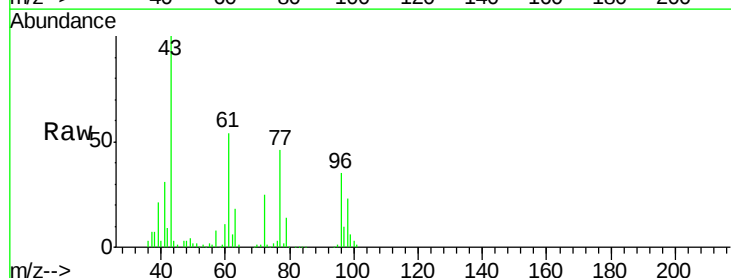
Acq: 16 Oct 2020 14:18

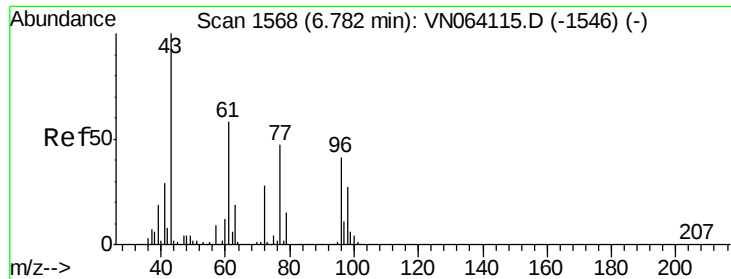
Tgt Ion: 77 Resp: 405057

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 46.551 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064163.D

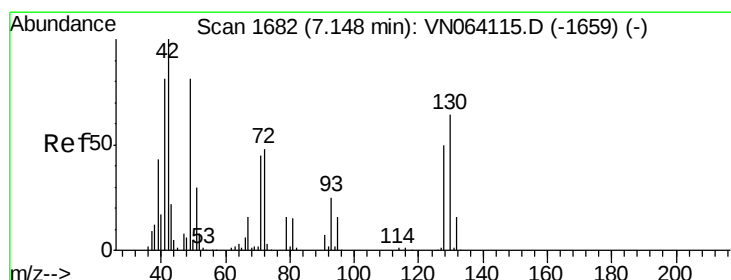
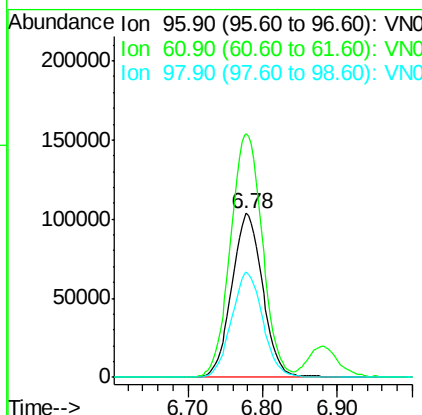
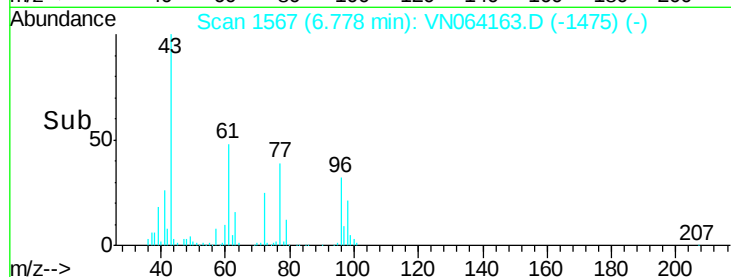
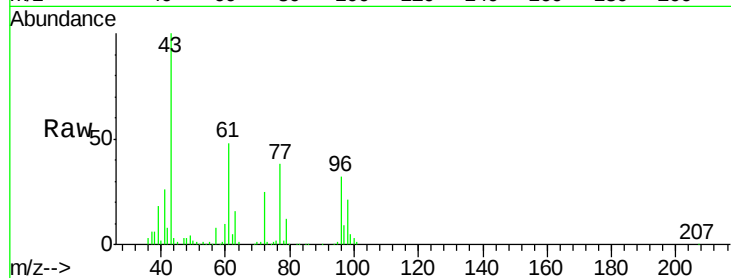
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	152.9	0.0	285.6	
98	64.7	0.0	131.0	

Manual Integrations
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#28

Bromochloromethane

Concen: 57.624 ug/l

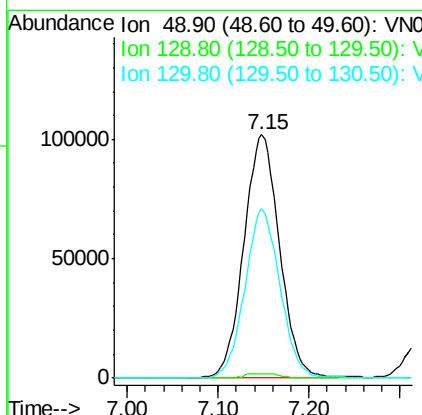
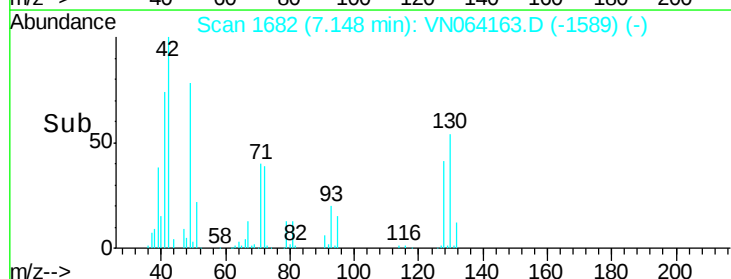
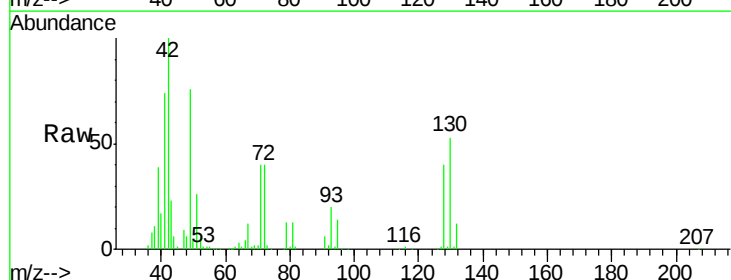
RT: 7.15 min Scan# 1682

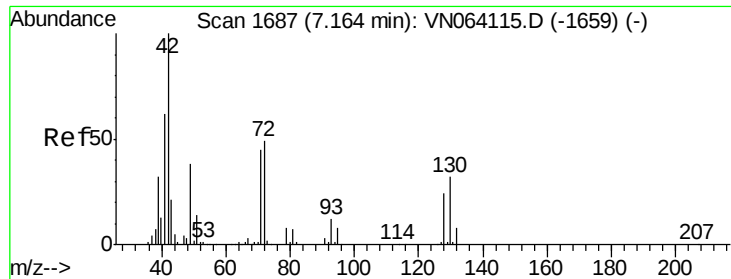
Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	0.9	0.0	2.0	
130	68.1	0.0	0.0#	





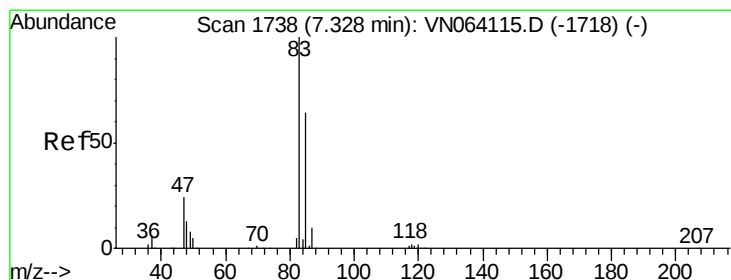
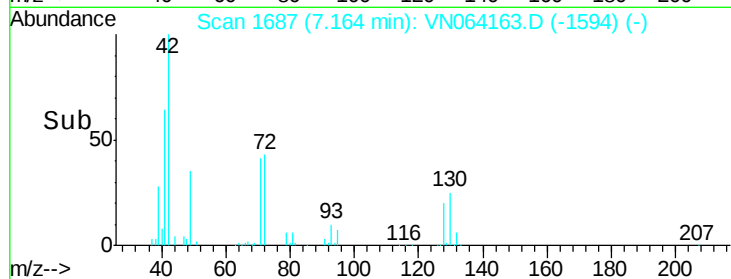
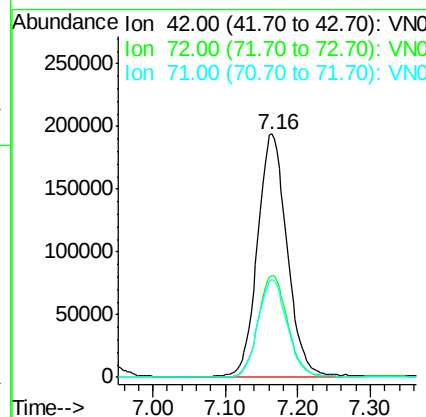
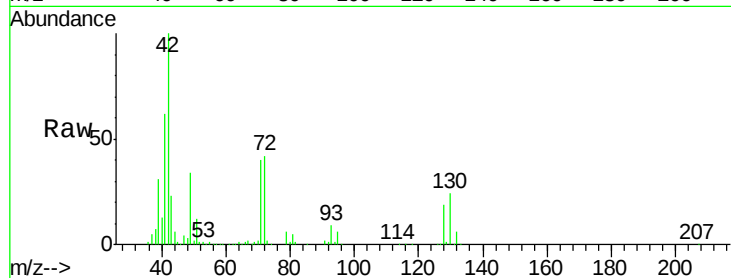
#29
Tetrahydrofuran
Concen: 301.839 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	37.8	56.6
71	39.9	35.3	52.9

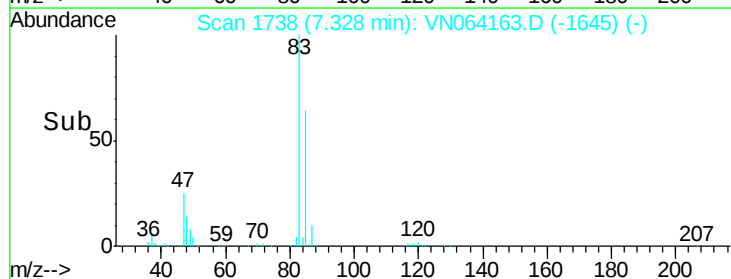
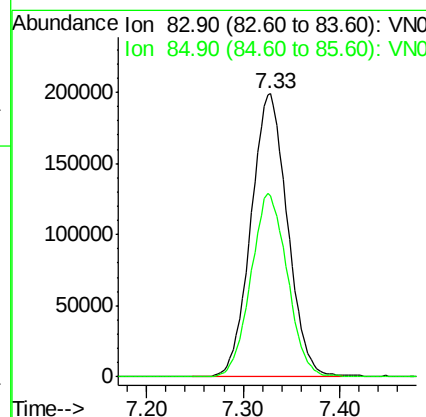
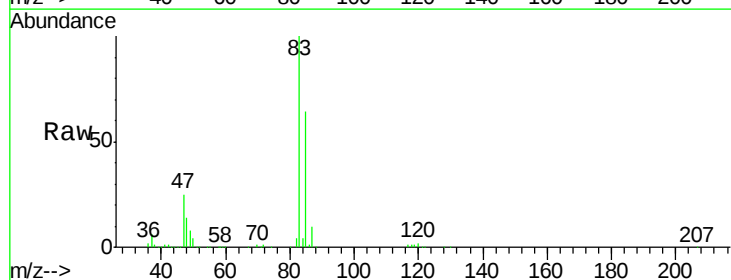
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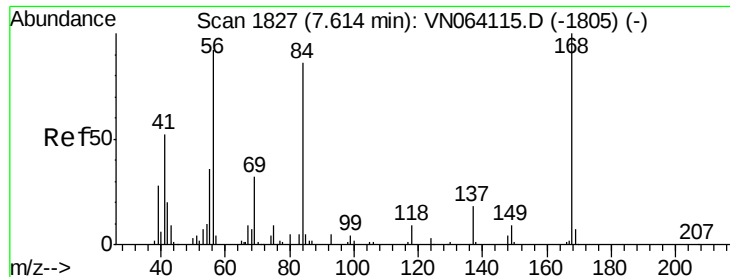
MMDadoda
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#30
Chloroform
Concen: 48.178 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.5	77.3





#31

Cyclohexane

Concen: 48.855 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 370371

Ion Ratio Lower Upper

56 100

69 34.4 27.8 41.6

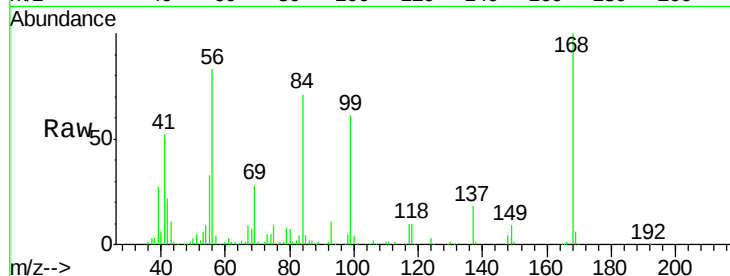
84 84.2 73.2 109.8

Manual Integrations

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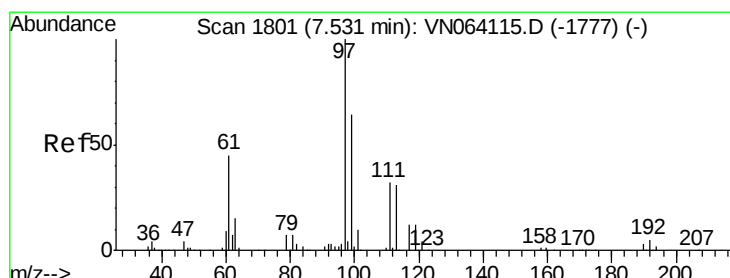
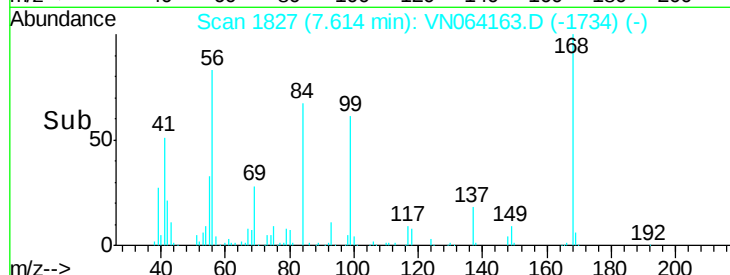
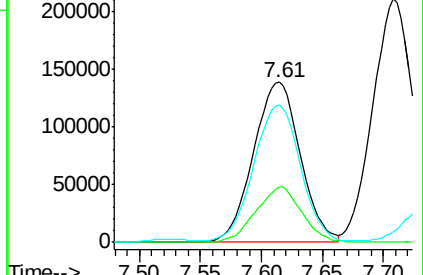
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Abundance Ion 56.00 (55.70 to 56.70): VN064163.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN064163.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN064163.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 47.489 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

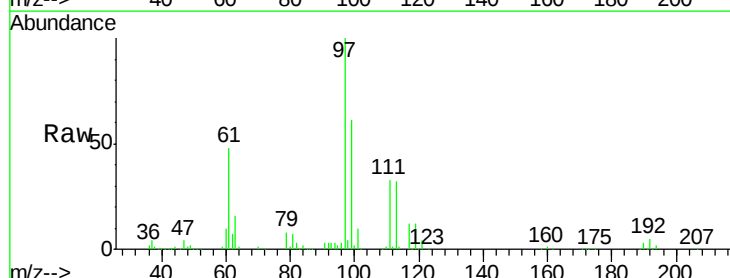
Tgt Ion: 97 Resp: 443765

Ion Ratio Lower Upper

97 100

99 62.9 50.2 75.2

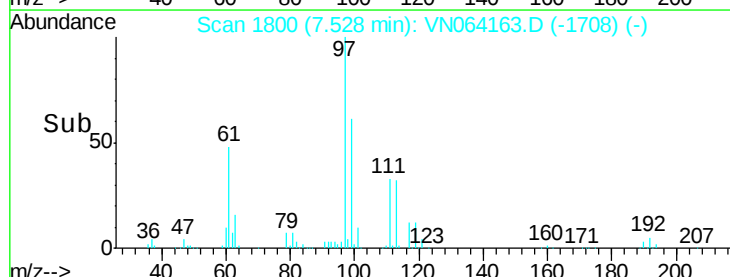
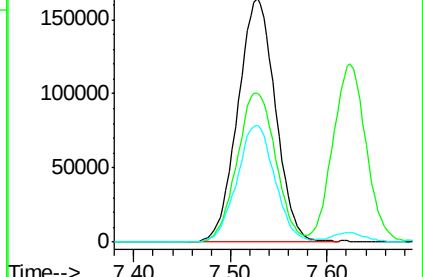
61 48.2 35.6 53.4

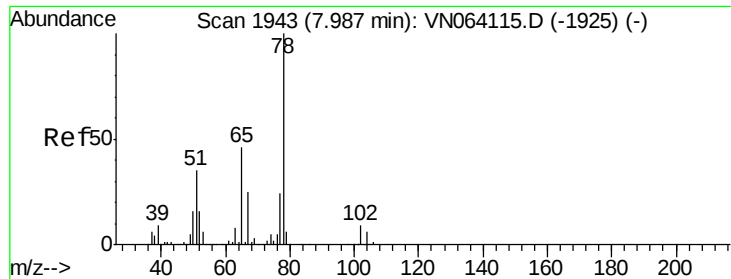


Abundance Ion 96.90 (96.60 to 97.60): VN064163.D (-1708) (-)

Ion 98.90 (98.60 to 99.60): VN064163.D (-1708) (-)

Ion 60.90 (60.60 to 61.60): VN064163.D (-1708) (-)





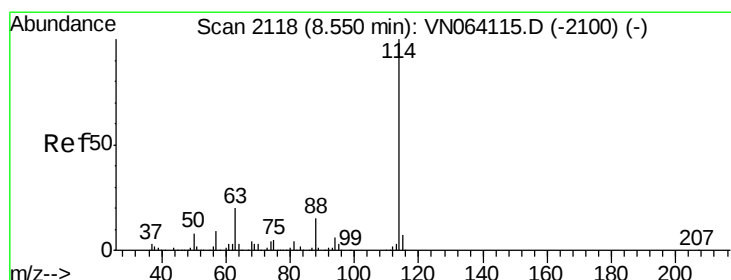
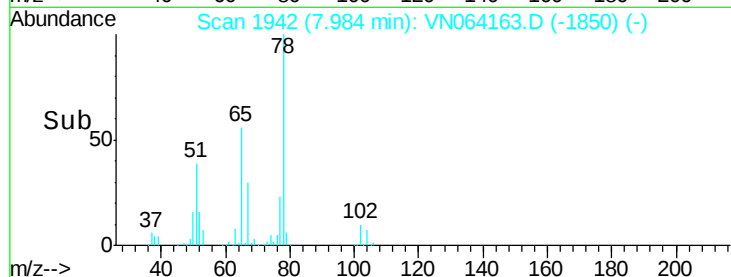
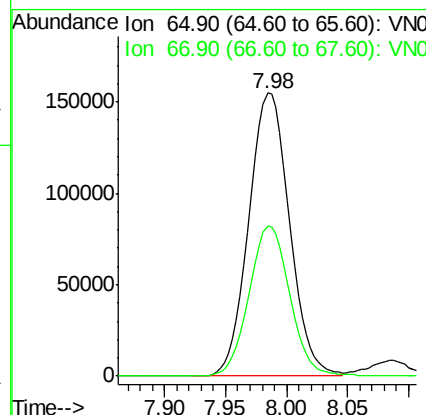
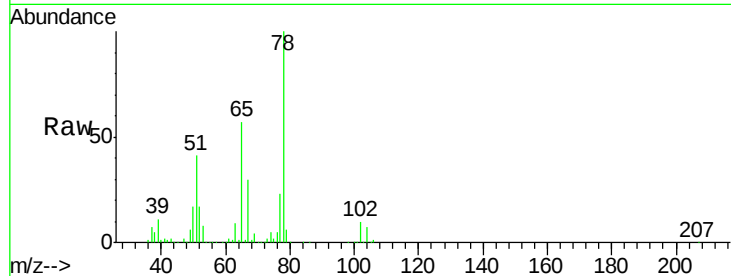
#33
 1,2-Dichloroethane-d4
 Concen: 52.265 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.0	0.0	105.6	

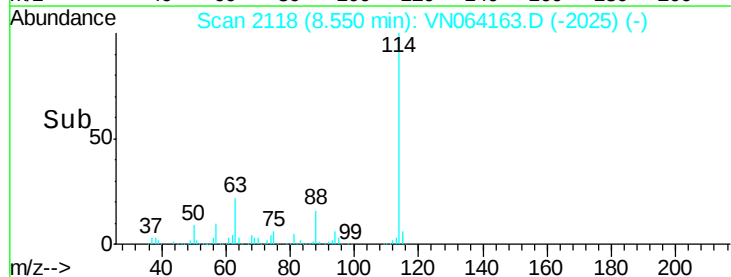
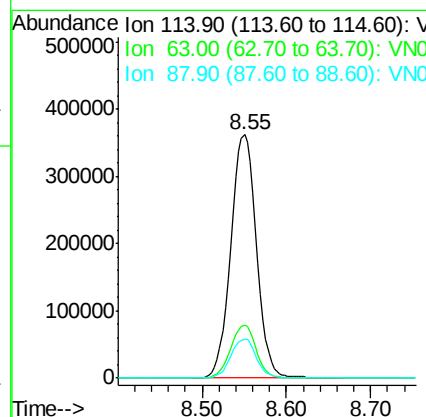
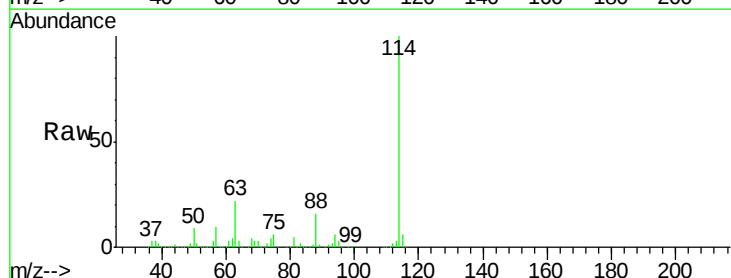
Manual Integrations
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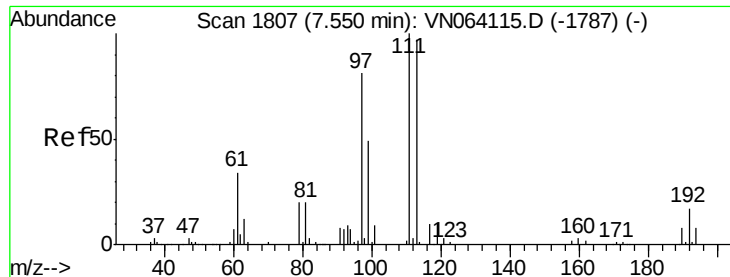
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.8	0.0	41.0	
88	16.1	0.0	29.2	





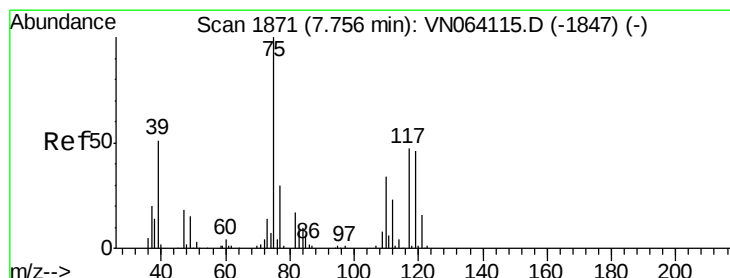
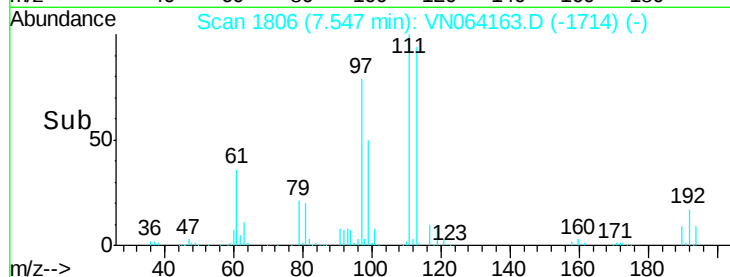
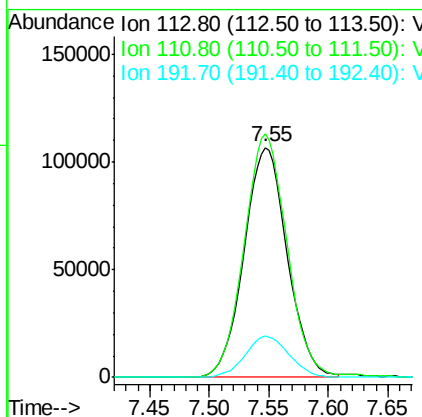
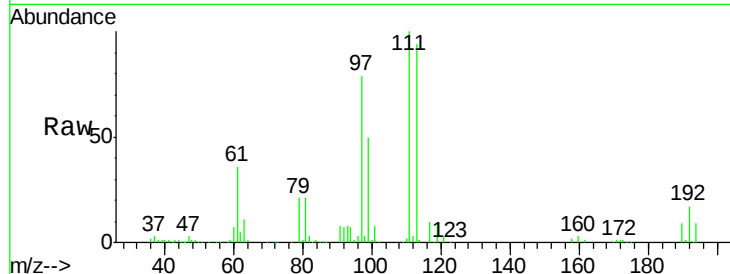
#35
Dibromofluoromethane
Concen: 50.553 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	267952		
111	104.7	81.9	122.9	
192	18.1	14.3	21.5	

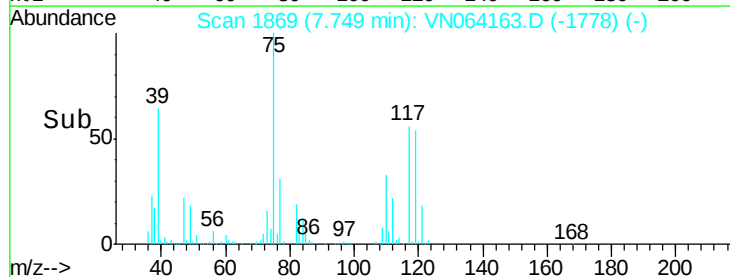
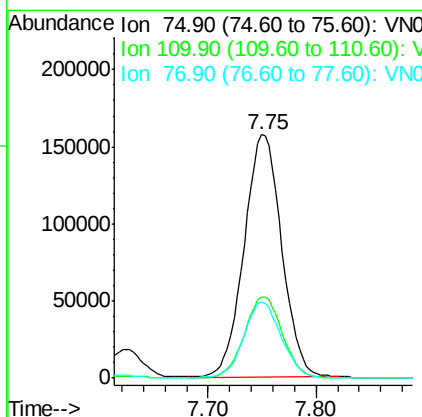
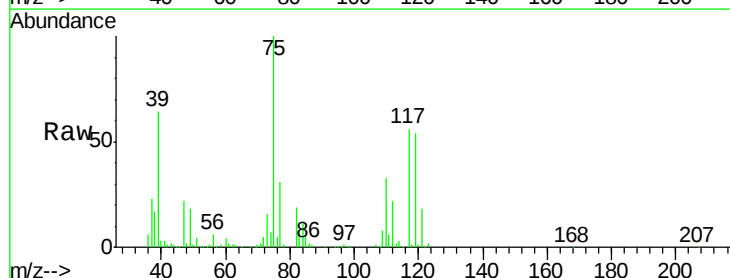
Manual Integrations
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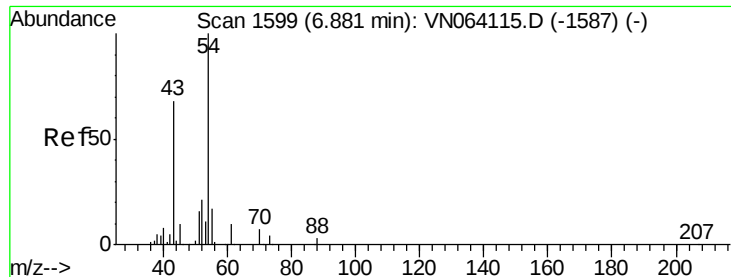
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#36
1,1-Dichloropropene
Concen: 51.704 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.01 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	381641		
110	33.9	17.8	53.3	
77	31.2	24.9	37.3	





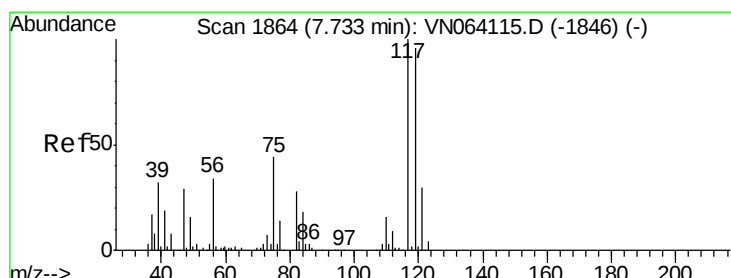
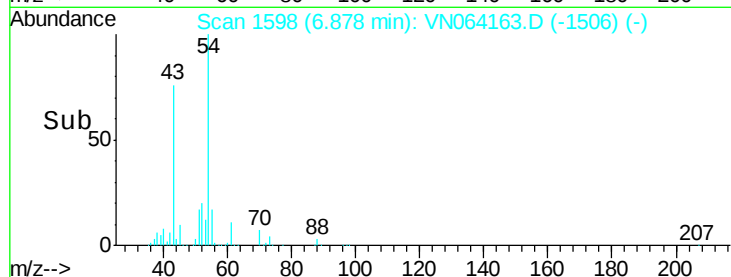
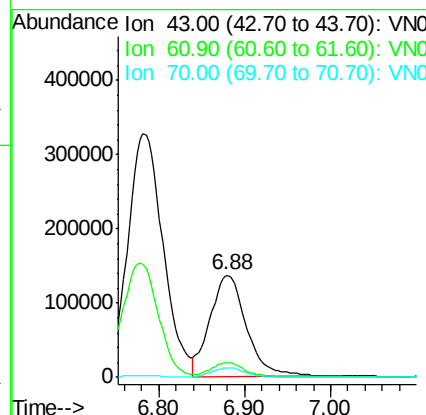
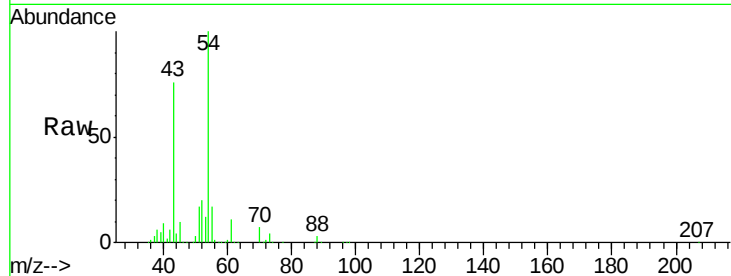
#37
Ethyl Acetate
Concen: 61.464 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	11.3	16.9
70	9.2	7.7	11.5

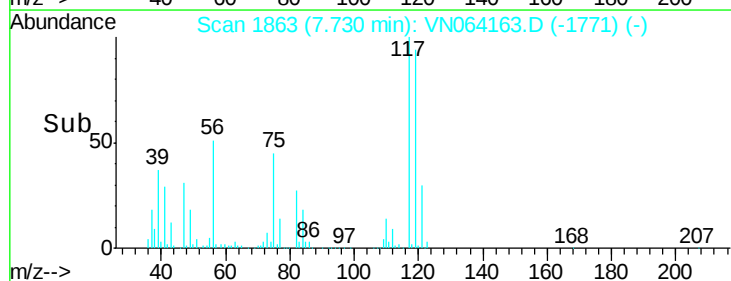
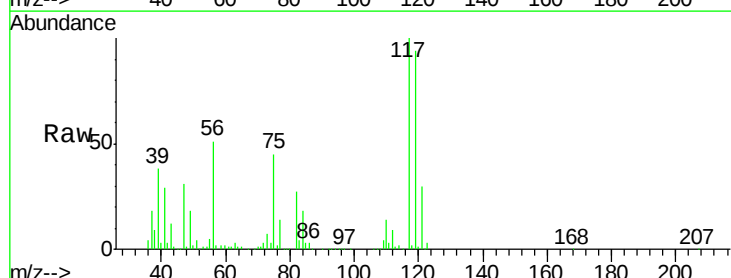
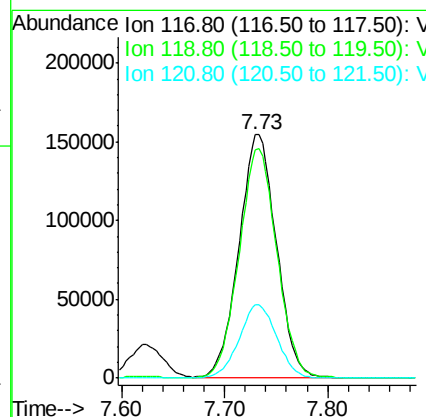
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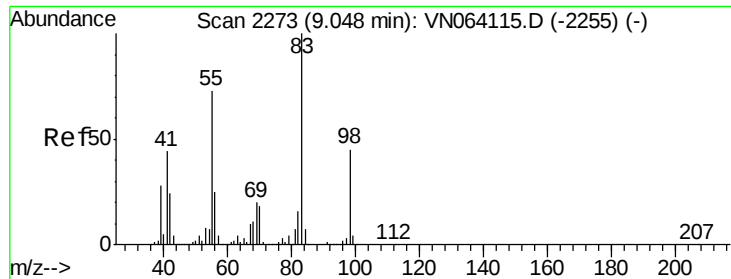
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#38
Carbon Tetrachloride
Concen: 48.908 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	77.0	115.4
121	30.4	24.2	36.4





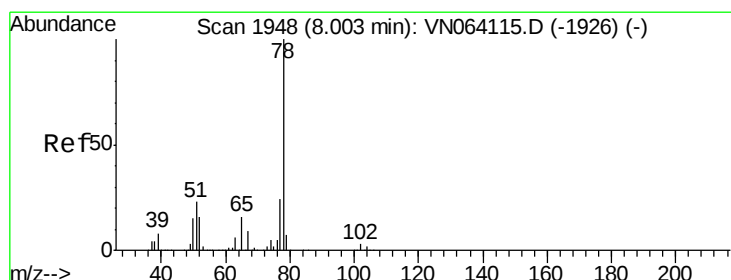
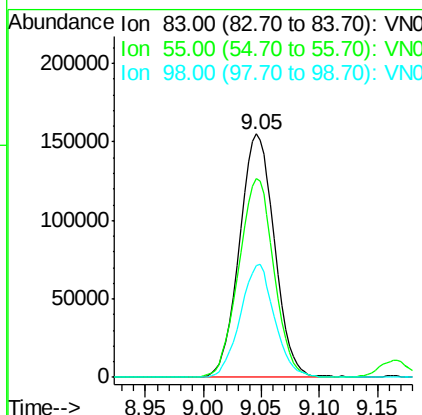
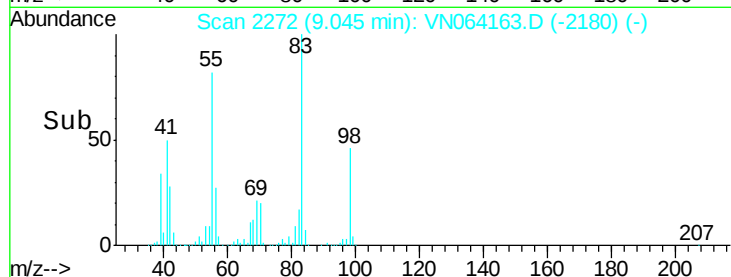
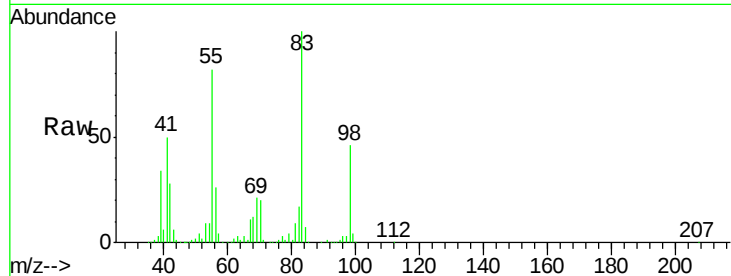
#39
Methvlcvclohexane
Concen: 52.568 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.7	58.5	87.7
98	45.7	36.2	54.2

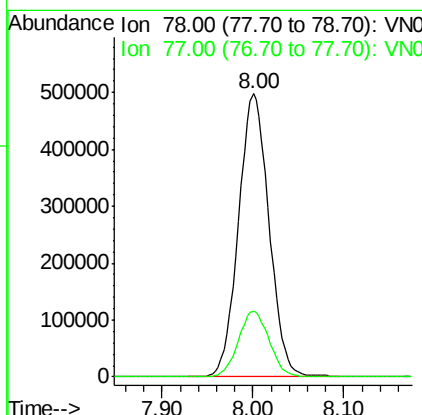
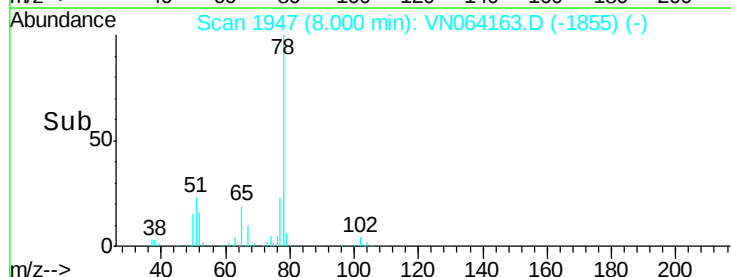
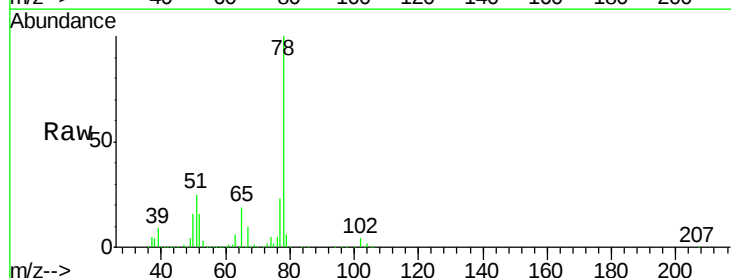
Manual Integrations
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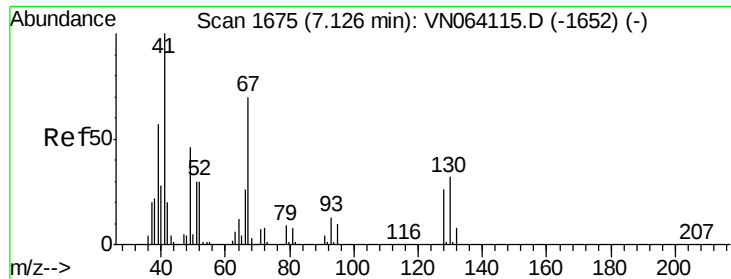
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#40
Benzene
Concen: 51.864 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.3	28.9





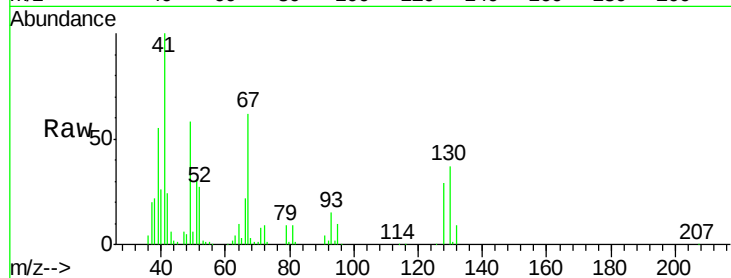
#41
Methacrylonitrile
Concen: 61.093 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

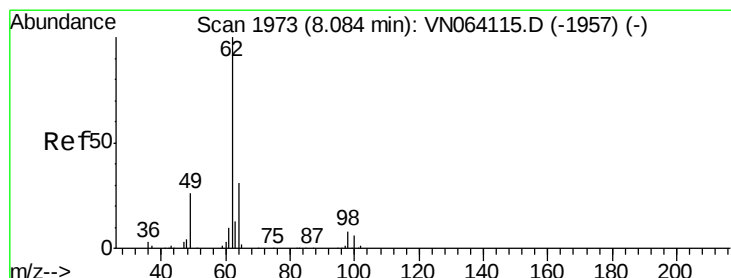
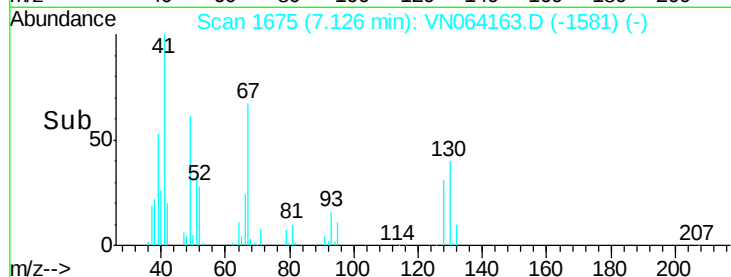
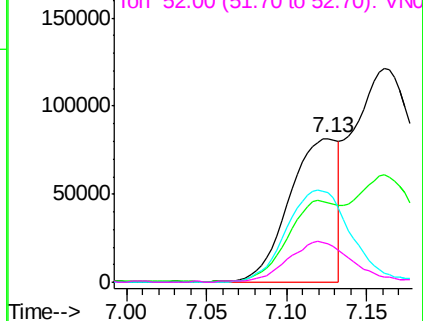
Tot Ion	41	Resp	173262
Ion Ratio	Lower	Upper	
41	100		
39	61.0	50.7	76.1
67	86.1	73.8	110.6
52	36.6	32.2	48.4

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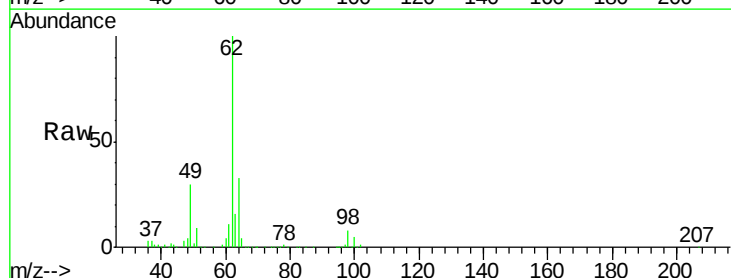


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

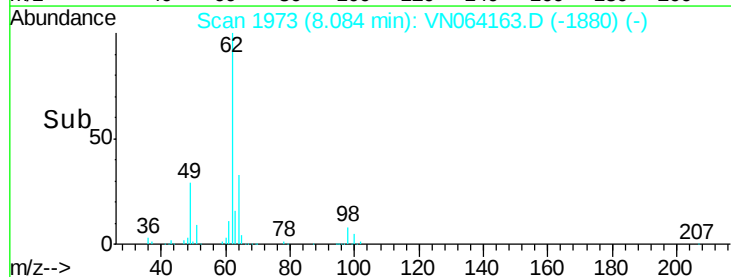
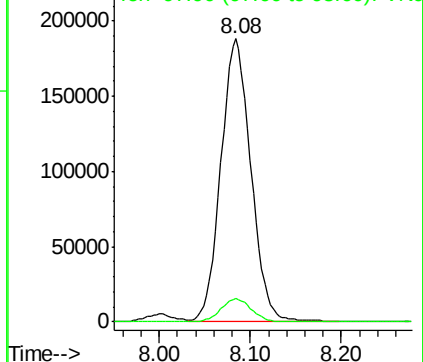


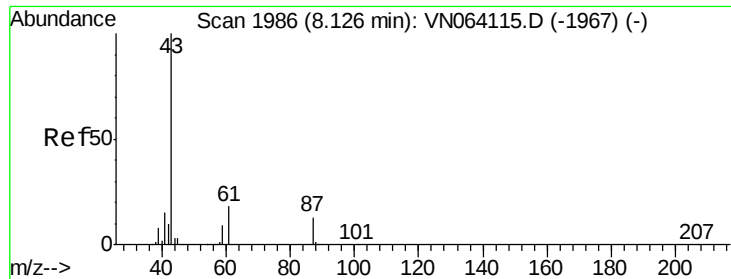
#42
1,2-Dichloroethane
Concen: 53.956 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	62	Resp	429128
Ion Ratio	Lower	Upper	
62	100		
98	8.3	0.0	17.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





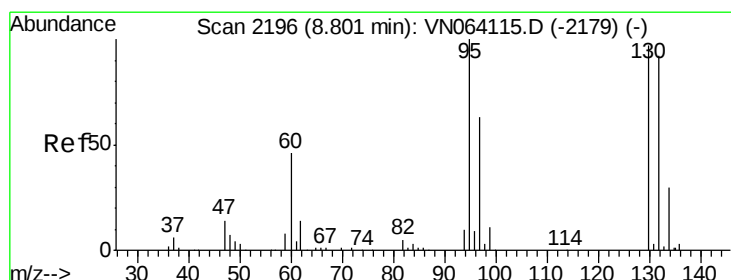
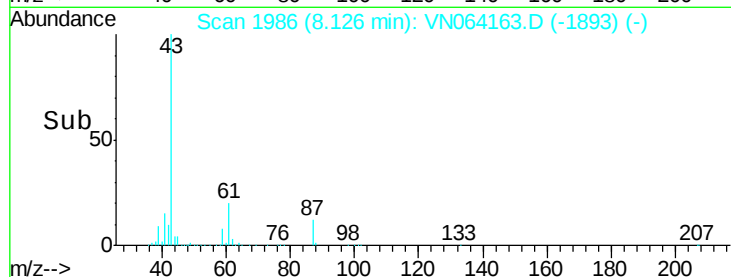
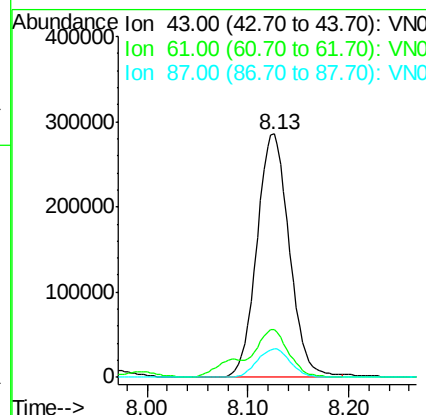
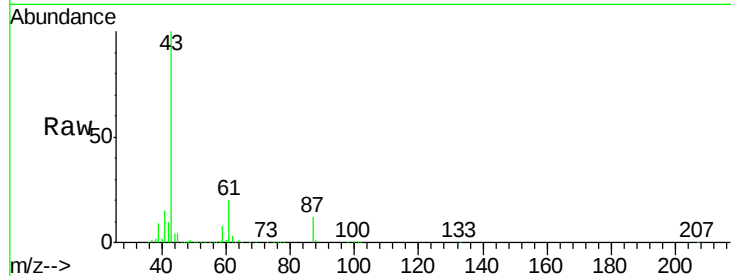
#43
Isopropyl Acetate
Concen: 58.234 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	21.9	32.9#
87	12.2	11.0	16.4

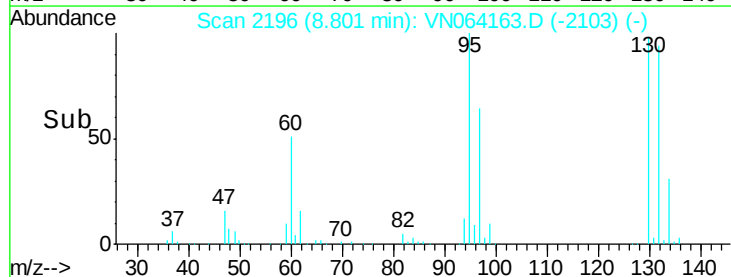
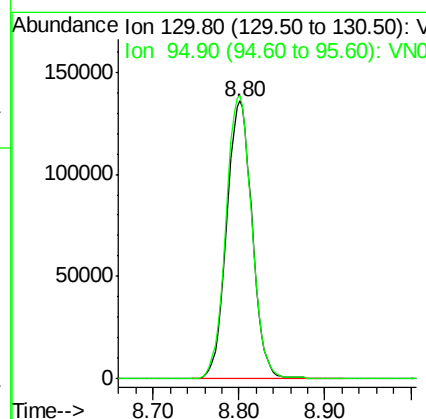
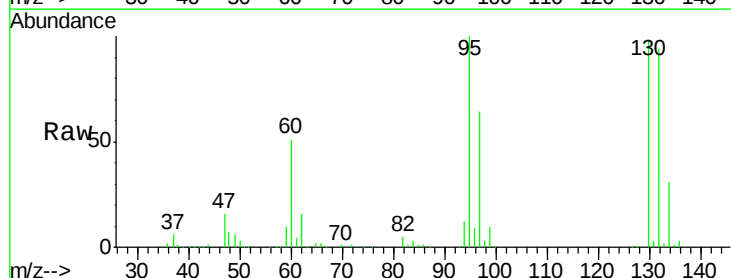
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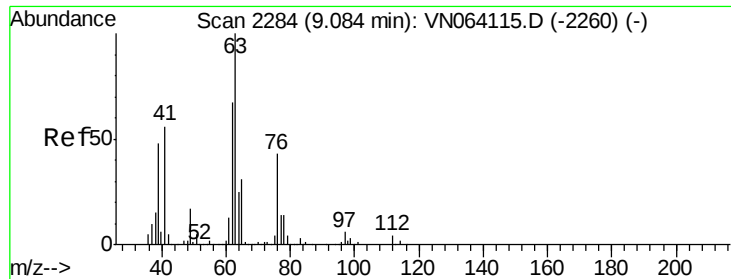
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#44
Trichloroethene
Concen: 47.619 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	206.2





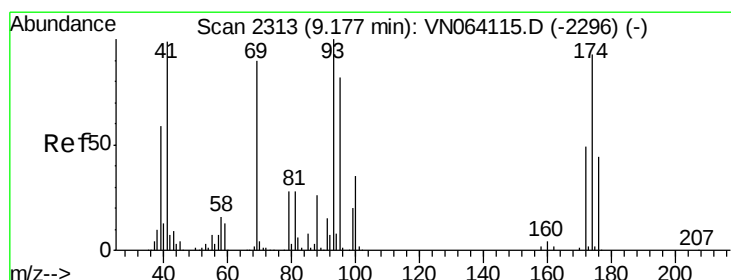
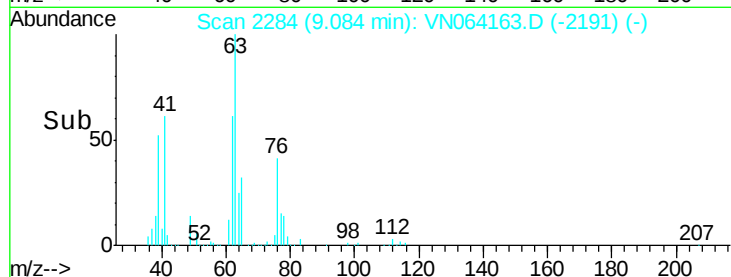
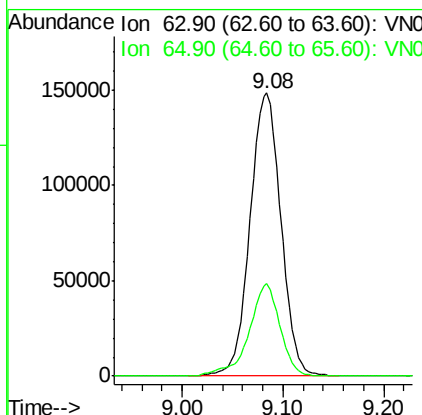
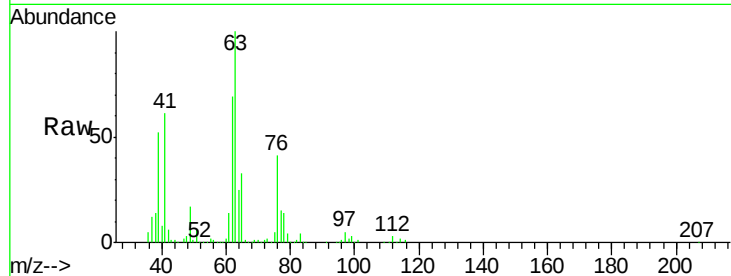
#45
 1,2-Dichloropropane
 Concen: 53.842 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 315322
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.0 37.6

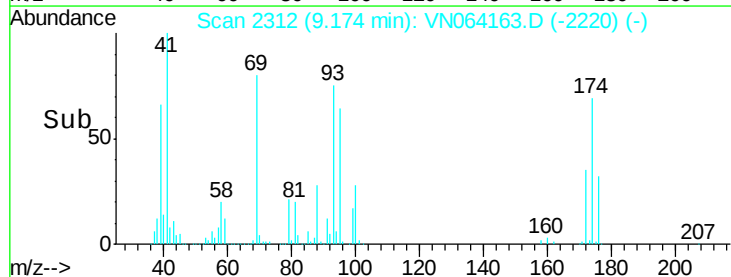
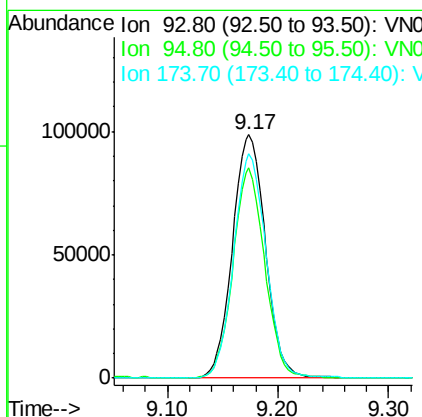
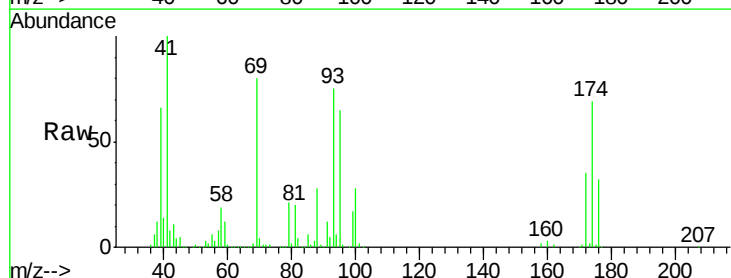
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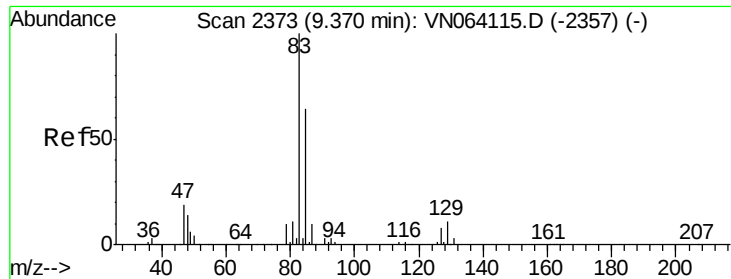
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#46
 Dibromomethane
 Concen: 49.207 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion: 93 Resp: 204451
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.8 100.2
 174 90.9 75.2 112.8





#47

Bromodichloromethane

Concen: 51.145 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

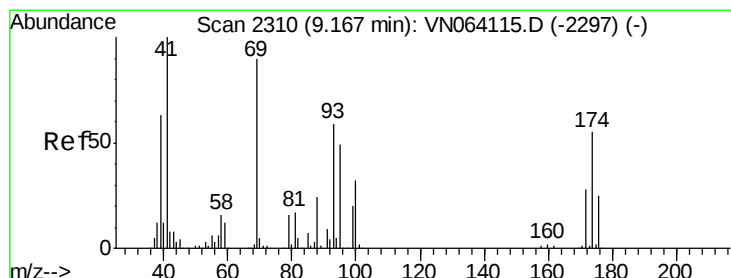
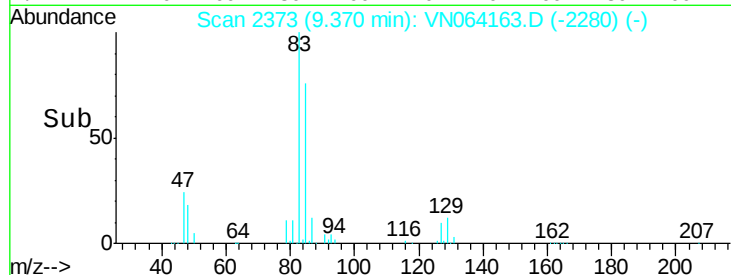
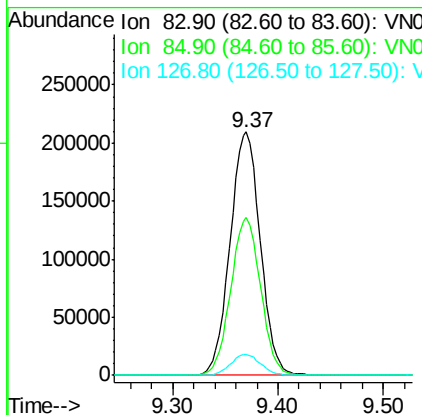
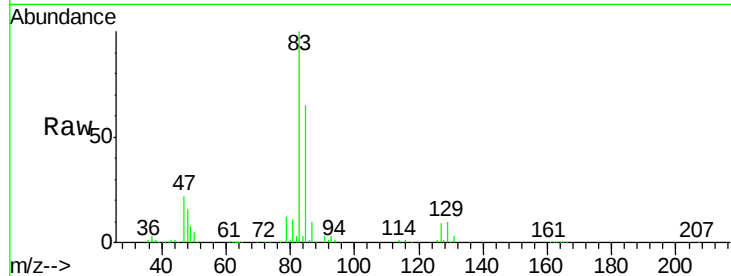
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	415759
Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.8	76.2
127	8.5	6.6	9.8

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#48

Methyl methacrylate

Concen: 61.194 ug/l

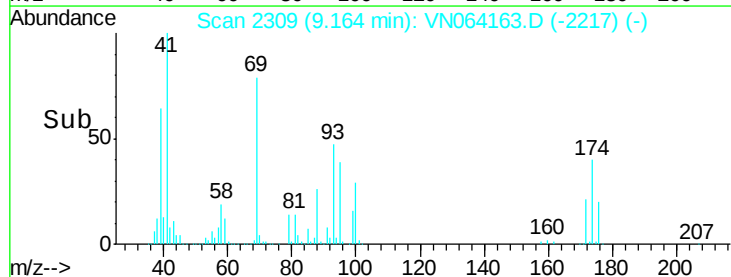
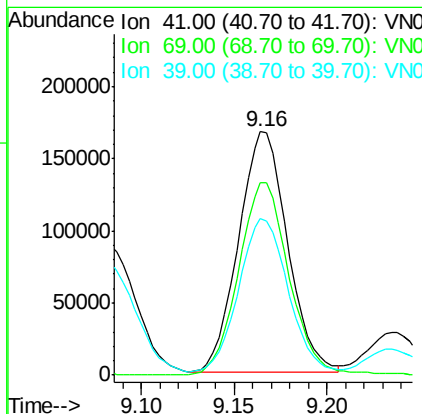
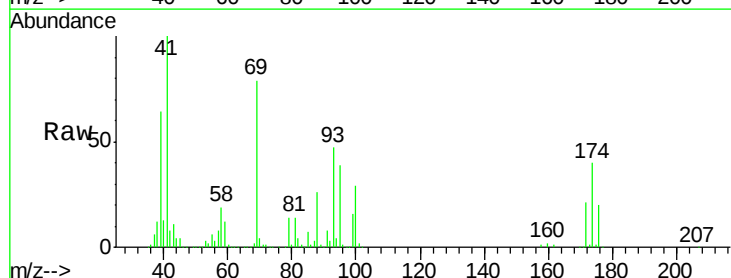
RT: 9.16 min Scan# 2309

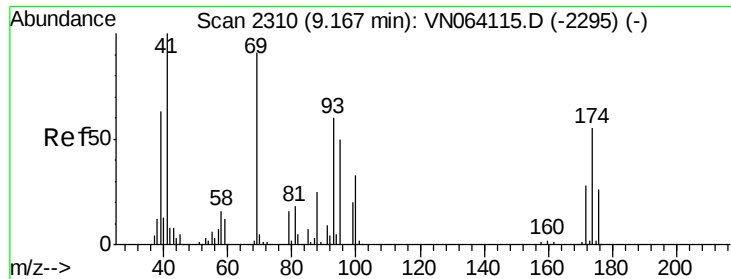
Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion:	41	Resp:	307266
Ion	Ratio	Lower	Upper
41	100		
69	82.3	71.4	107.2
39	66.2	52.5	78.7





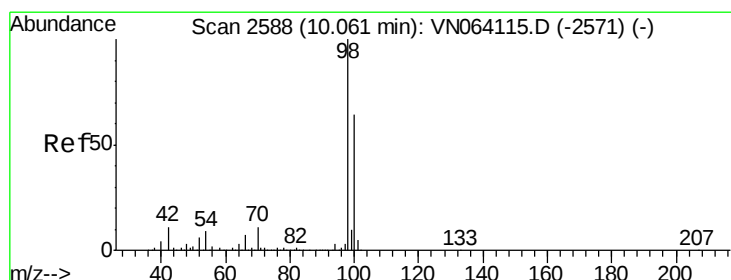
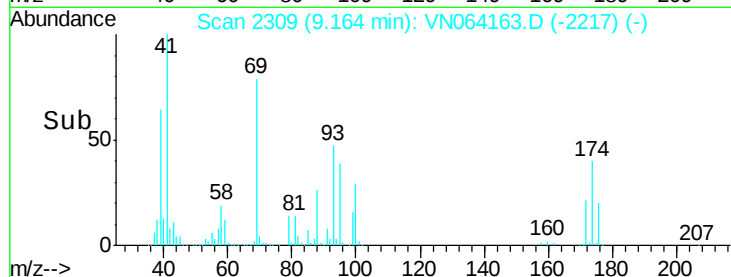
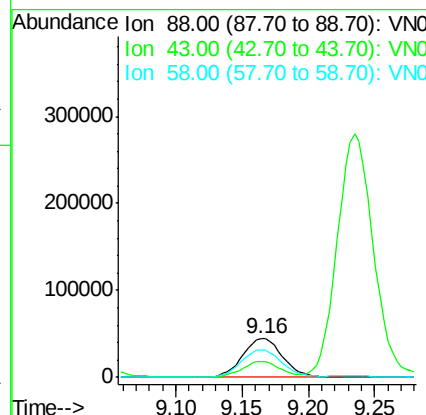
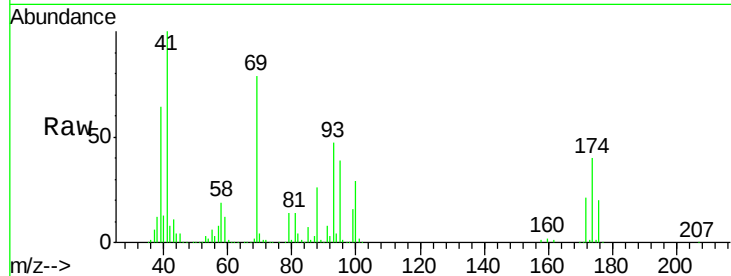
#49
1,4-Dioxane
Concen: 1234.071 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.3	27.2	40.8
58	72.4	52.6	78.8

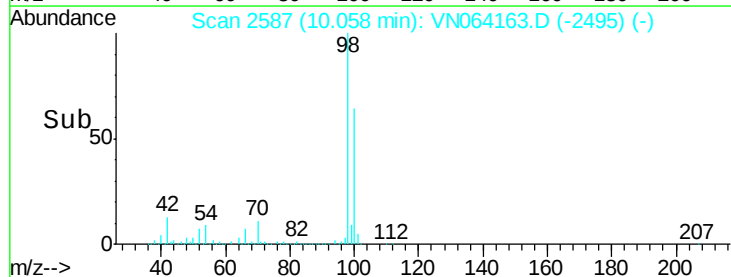
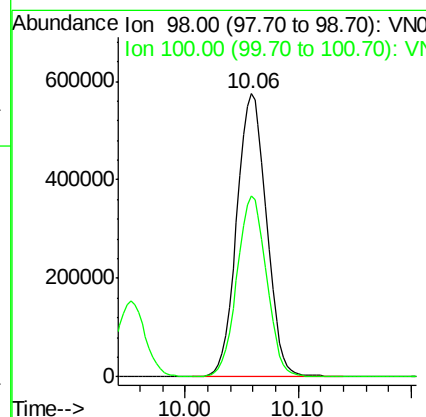
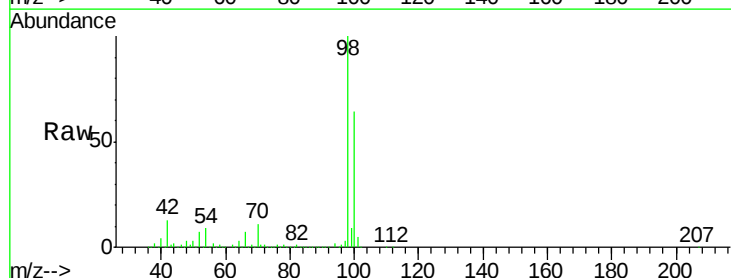
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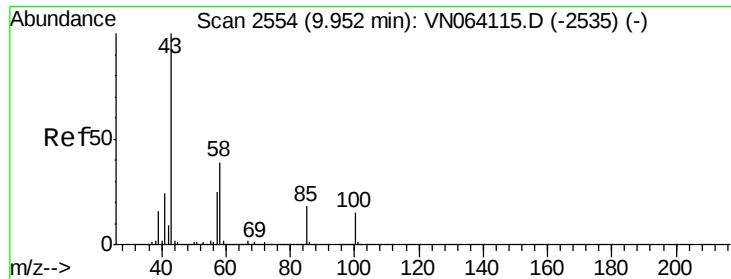
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#50
Toluene-d8
Concen: 52.825 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.8	76.2





#51

4-Methyl-2-Pentanone

Concen: 318.702 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2049999

Ion Ratio Lower Upper

43 100

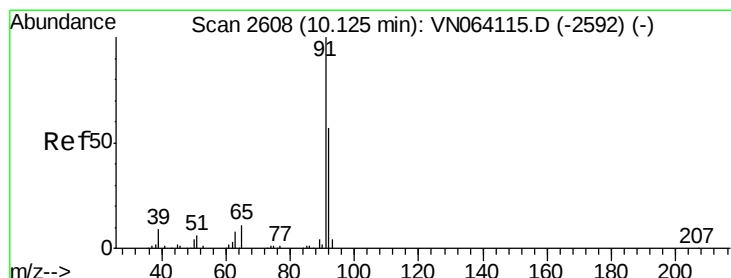
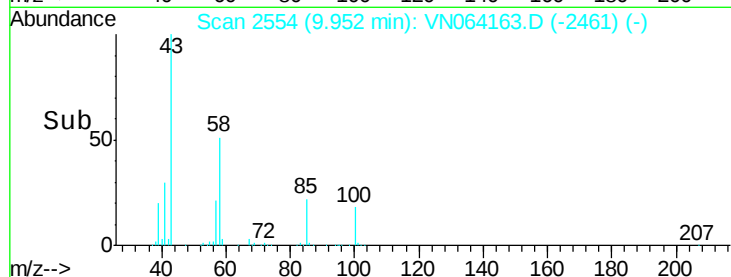
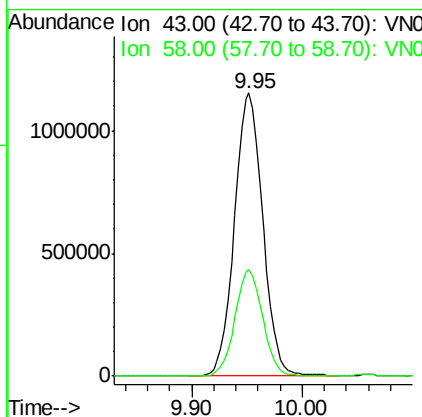
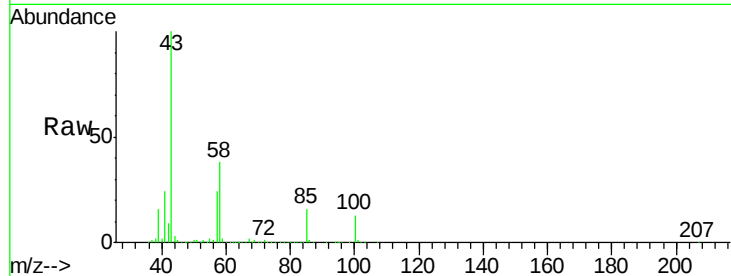
58 37.1 31.2 46.8

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#52

Toluene

Concen: 52.320 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064163.D

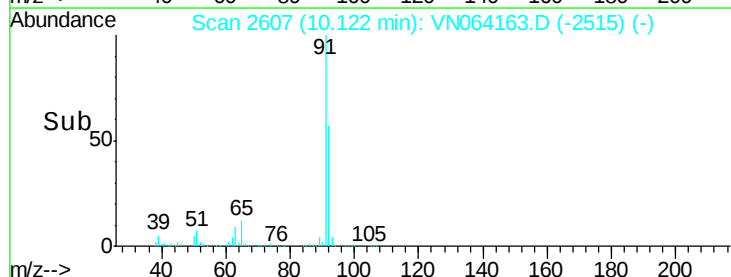
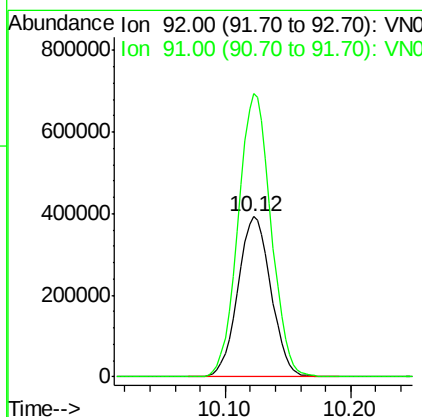
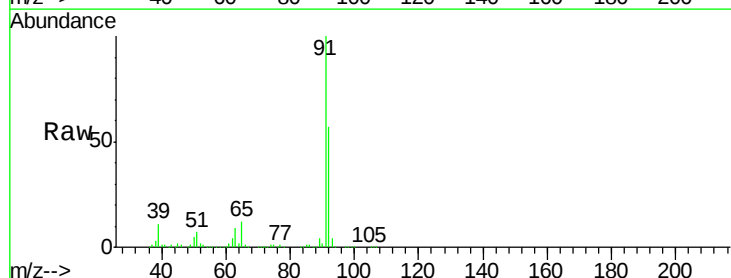
Acq: 16 Oct 2020 14:18

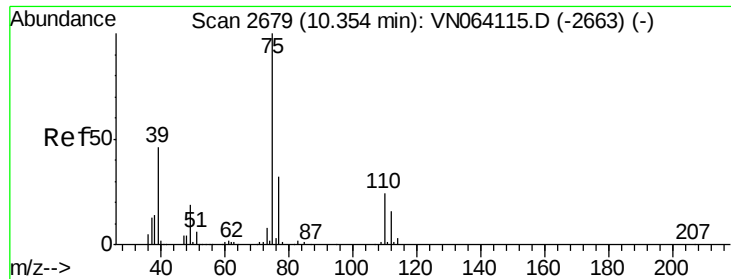
Tgt Ion: 92 Resp: 718588

Ion Ratio Lower Upper

92 100

91 176.2 141.2 211.8





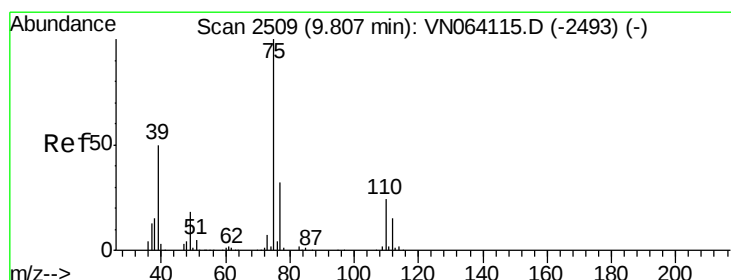
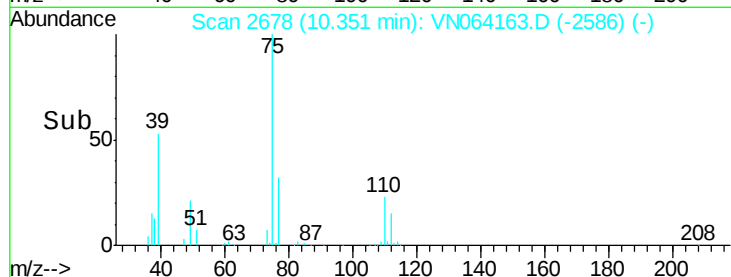
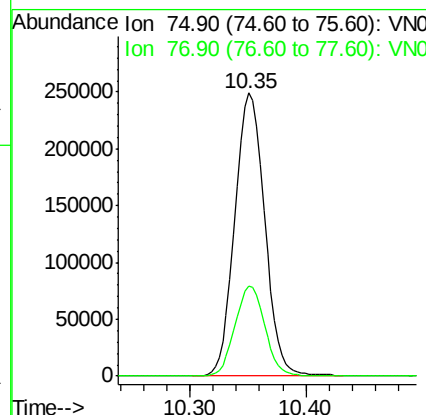
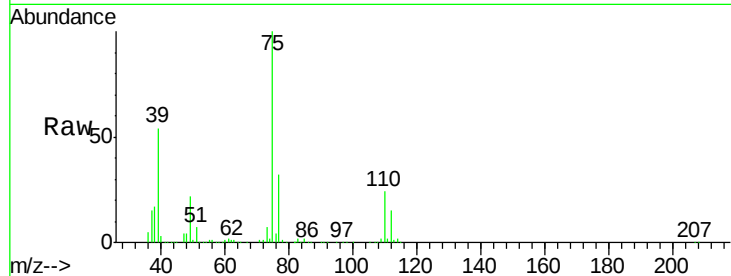
#53
t-1,3-Dichloropropene
Concen: 53.259 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 444223
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4

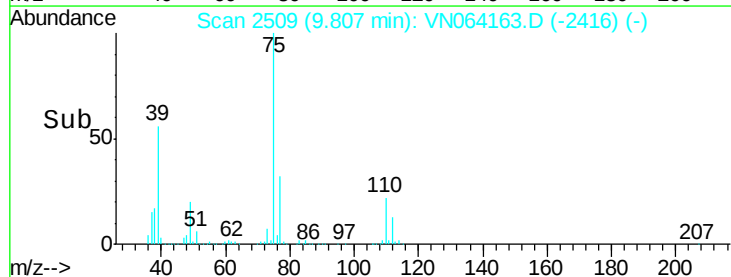
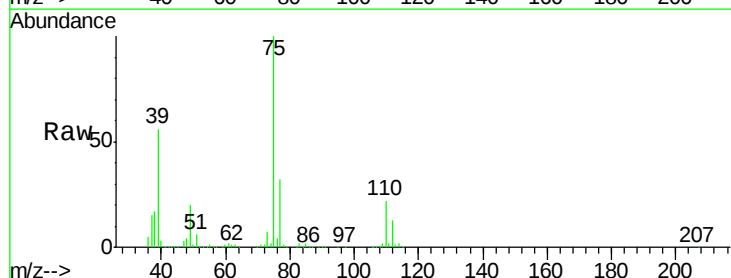
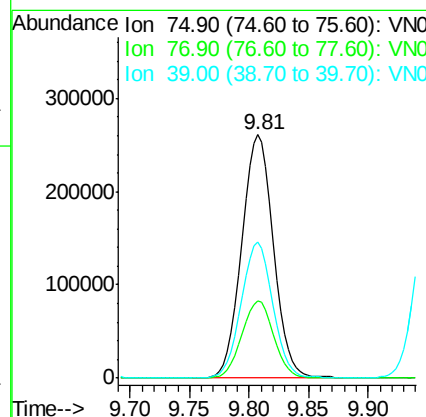
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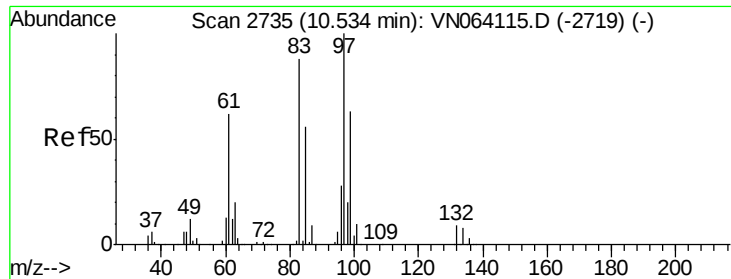
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#54
cis-1,3-Dichloropropene
Concen: 52.660 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 75 Resp: 482614
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8
39 55.5 39.8 59.8





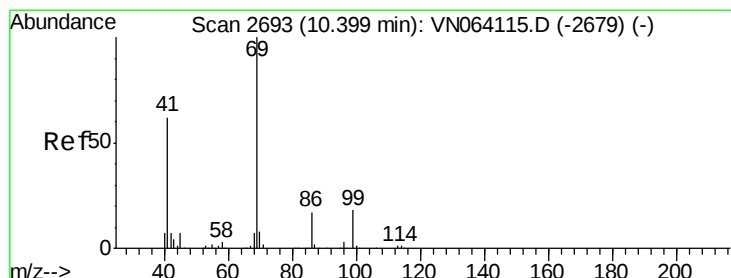
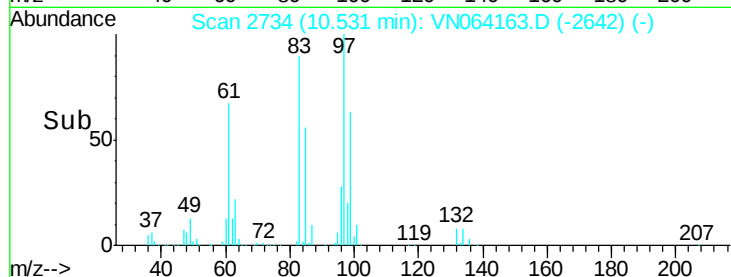
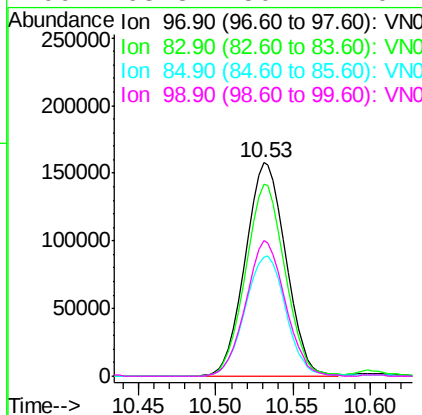
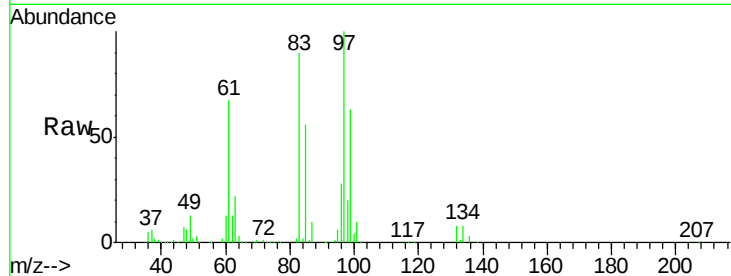
#55
 1,1,2-Trichloroethane
 Concen: 50.651 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	288199
Ion	Ratio	Lower	Upper
97	100		
83	90.1	70.2	105.4
85	56.0	45.0	67.6
99	63.3	50.7	76.1

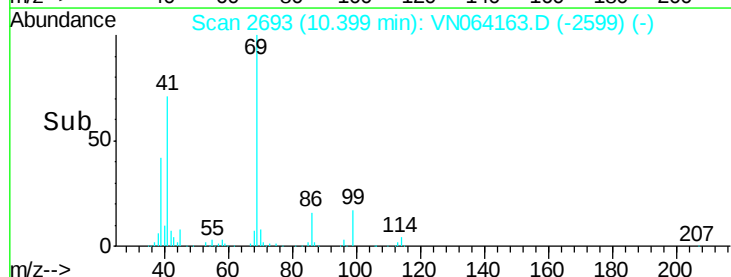
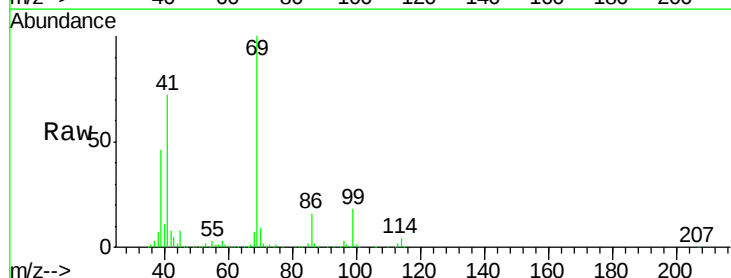
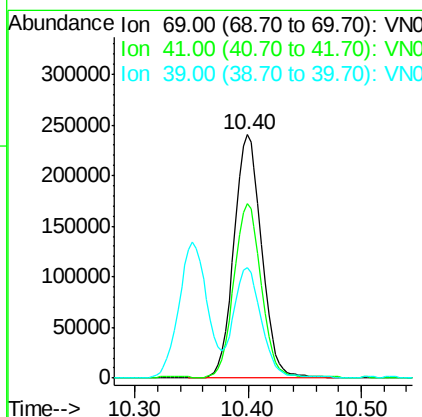
Manual Integrations
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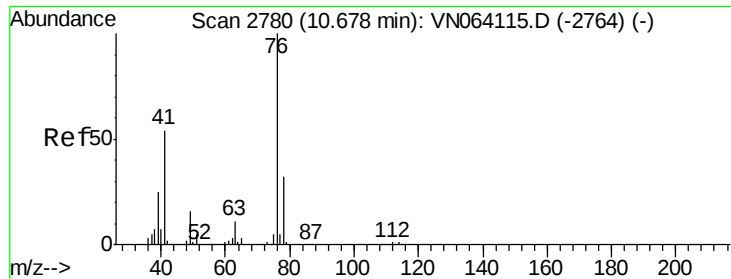
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#56
 Ethyl methacrylate
 Concen: 49.864 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion:	69	Resp:	411040
Ion	Ratio	Lower	Upper
69	100		
41	70.1	49.3	73.9
39	44.7	32.7	49.1





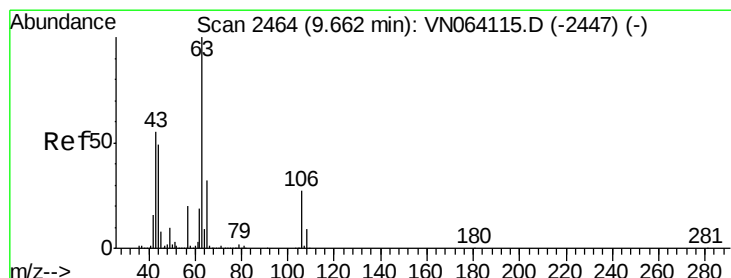
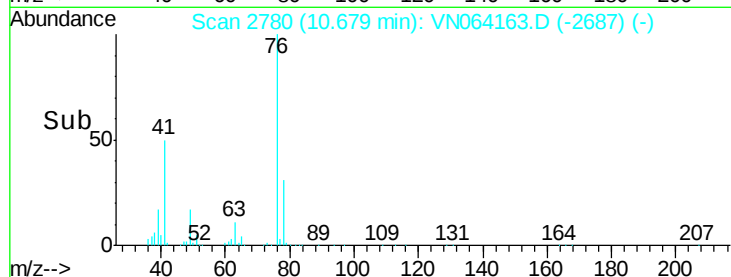
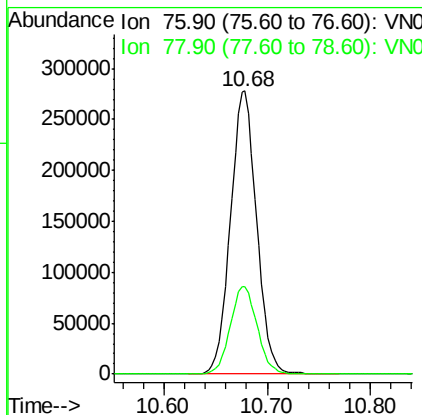
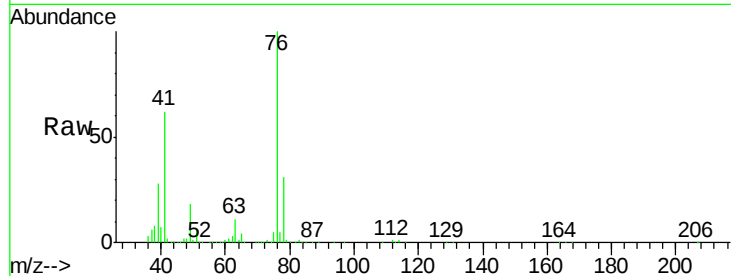
#57
 1,3-Dichloropropane
 Concen: 52.505 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	26.1	39.1

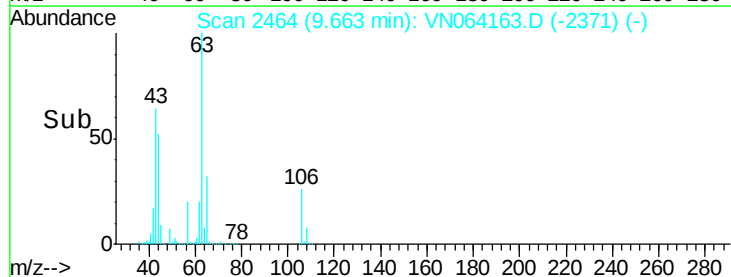
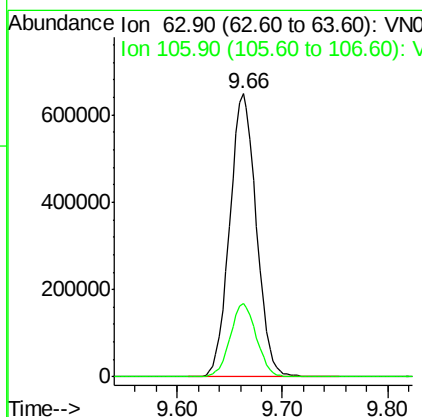
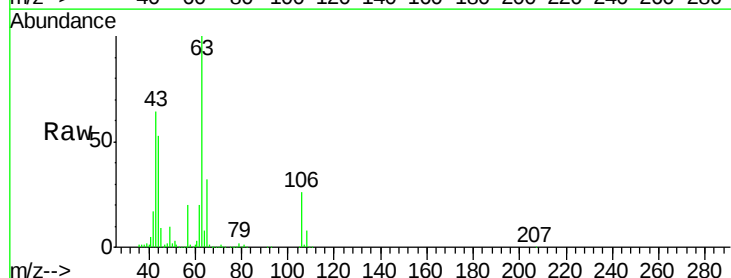
Manual Integrations
 APPROVED

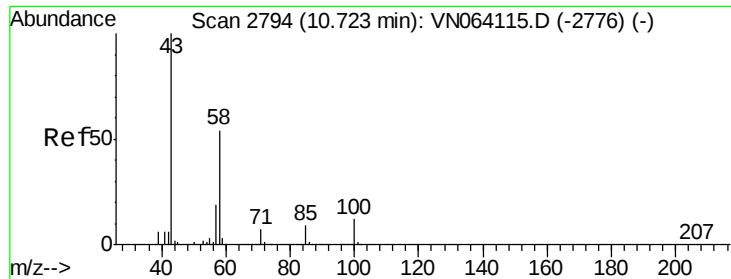
MMDadoda
 10/19/2020 4:22:19 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.369 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.6	21.8	32.6





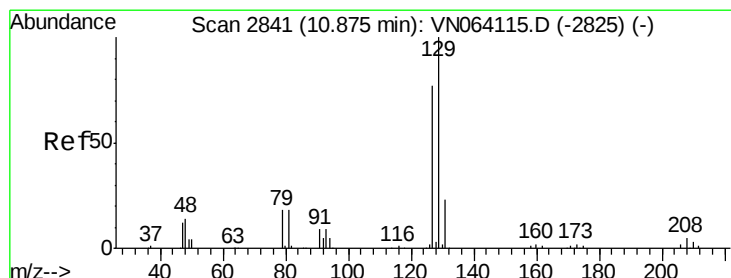
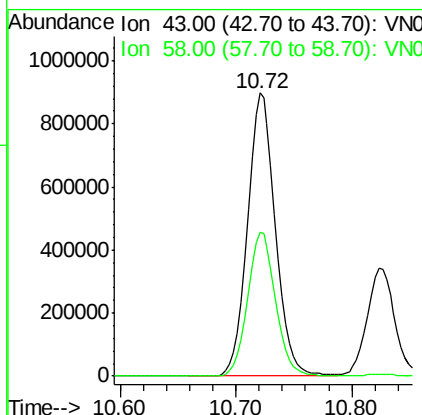
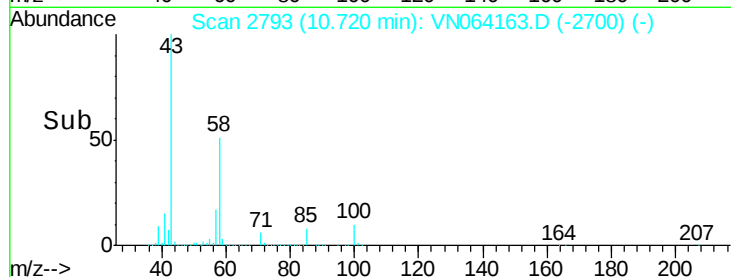
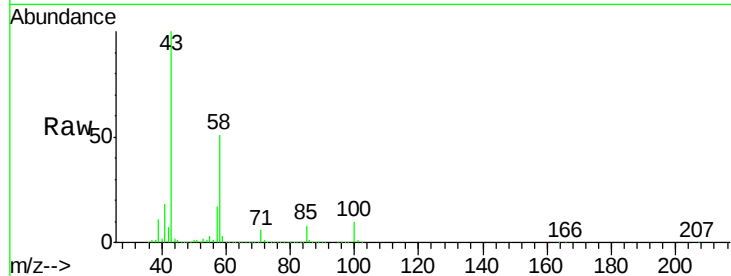
#59
2-Hexanone
Concen: 301.105 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1504216
Ion Ratio Lower Upper
43 100
58 51.0 27.2 81.6

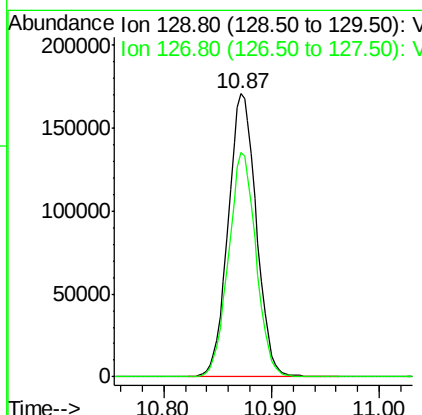
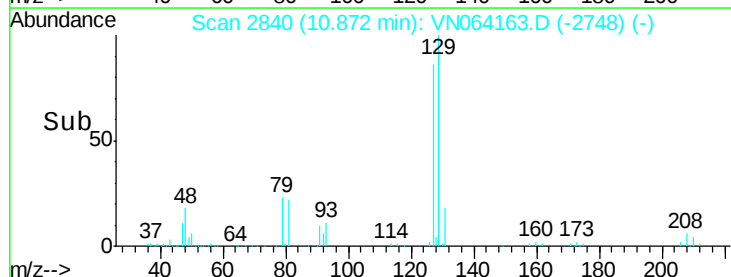
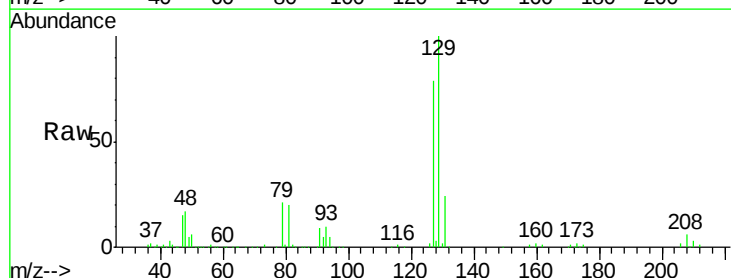
Manual Integrations
APPROVED

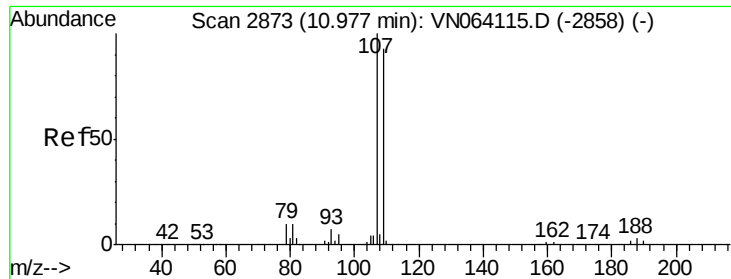
MMDadoda
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#60
Dibromochloromethane
Concen: 48.650 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 129 Resp: 310946
Ion Ratio Lower Upper
129 100
127 77.3 38.2 114.6





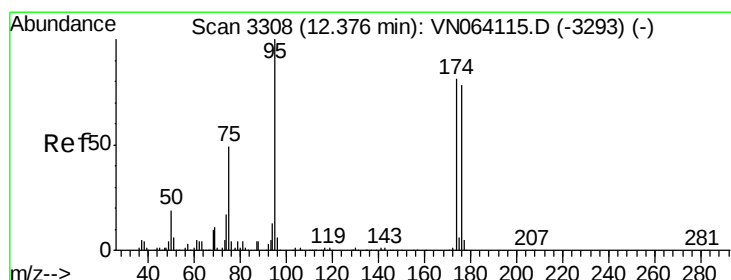
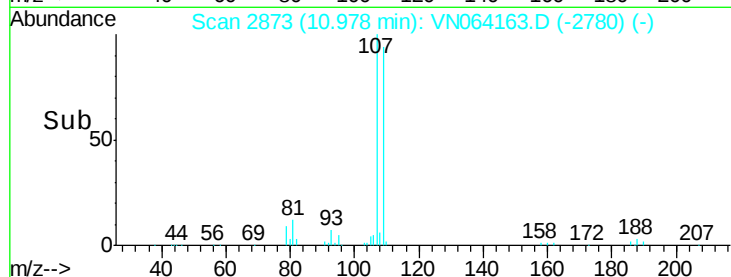
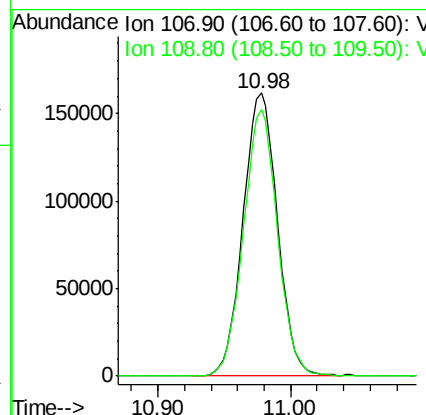
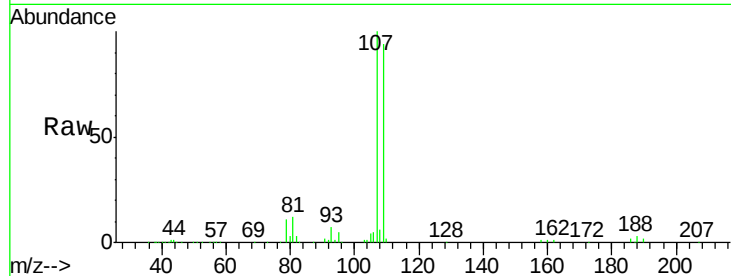
#61
 1,2-Dibromoethane
 Concen: 50.307 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	291347		
109	93.3	75.2	112.8	

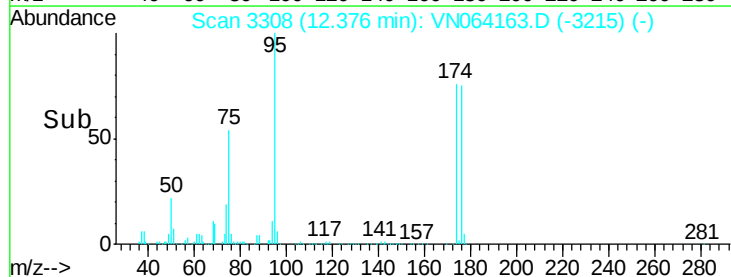
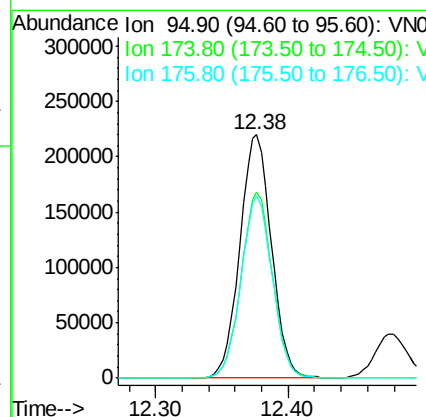
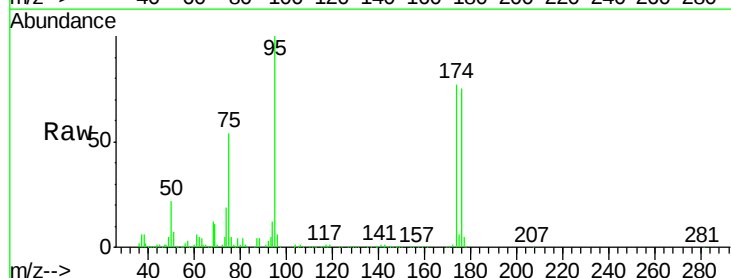
Manual Integrations
 APPROVED

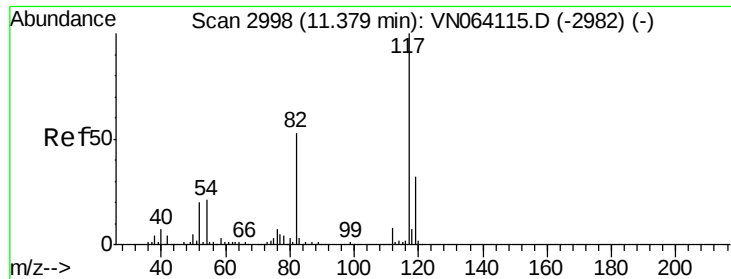
MMDadoda
 10/19/2020 4:22:19 PM



#62
 4-Bromofluorobenzene
 Concen: 52.935 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	363891		
174	75.7	0.0	164.8	
176	74.1	0.0	157.8	





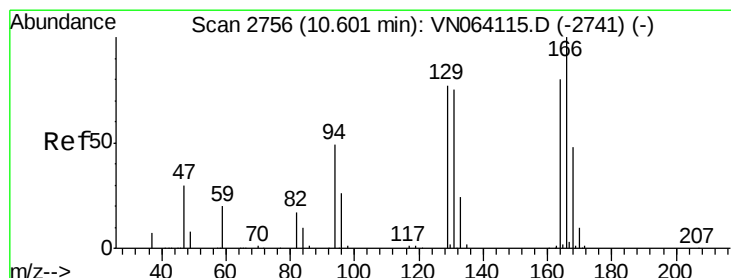
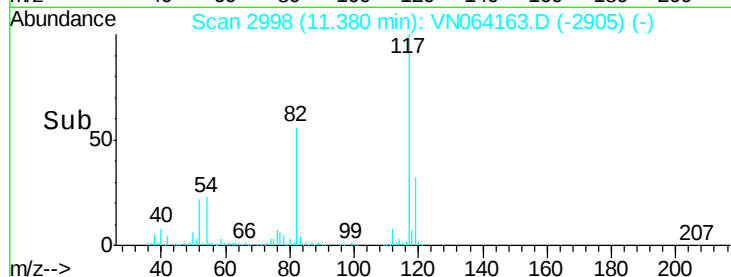
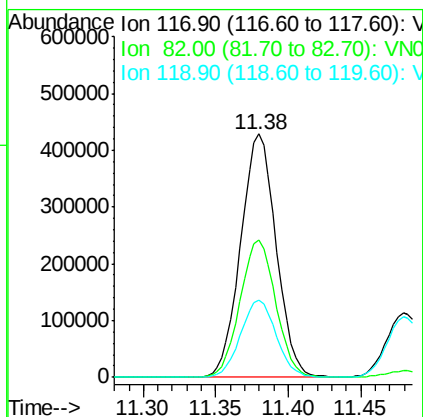
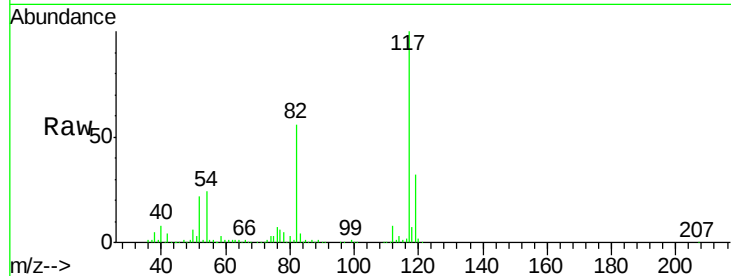
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	42.6	63.8
119	31.8	25.5	38.3

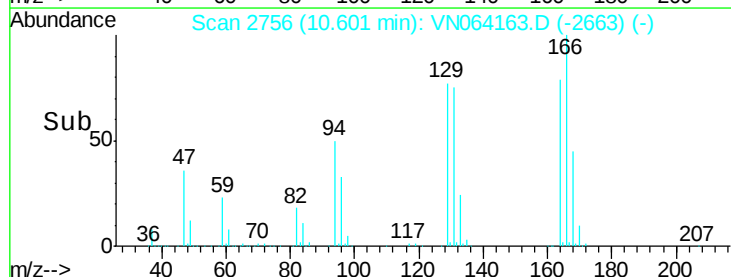
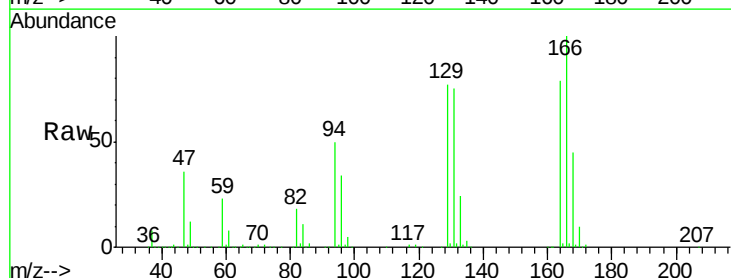
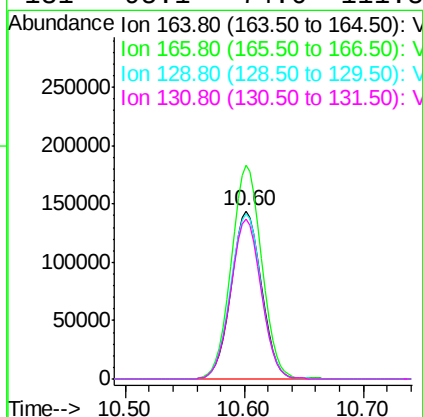
Manual Integrations
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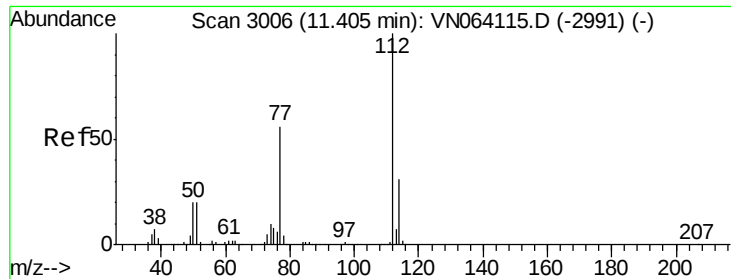
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#64
Tetrachloroethene
Concen: 46.131 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.3	99.7	149.5
129	98.4	77.0	115.4
131	95.1	74.6	111.8





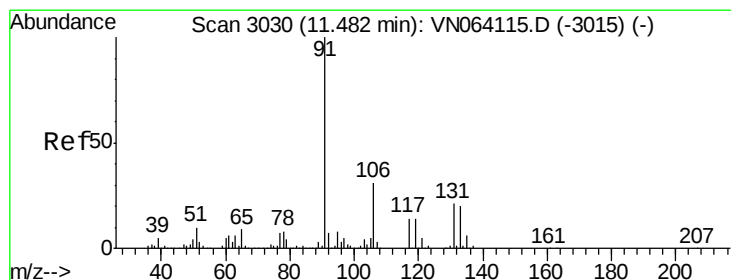
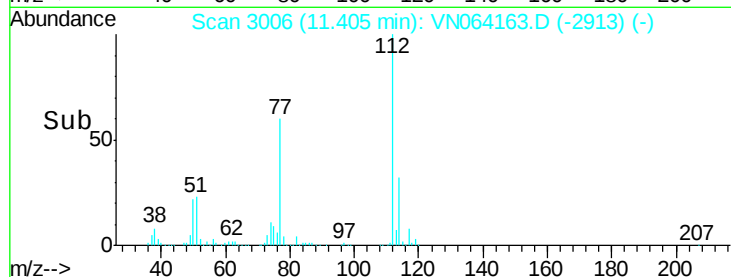
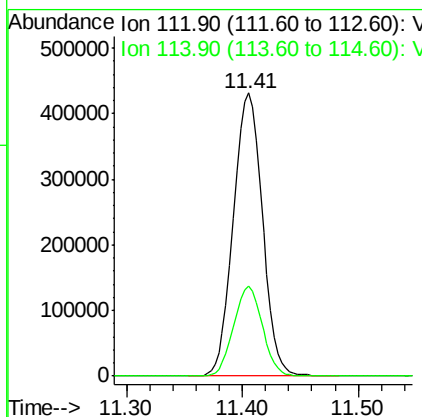
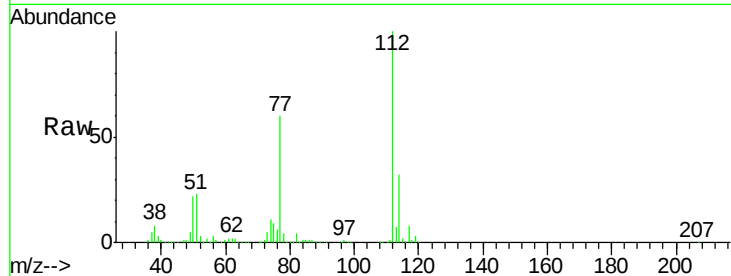
#65
Chlorobenzene
Concen: 48.630 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 749024
Ion Ratio Lower Upper
112 100
114 31.7 24.6 37.0

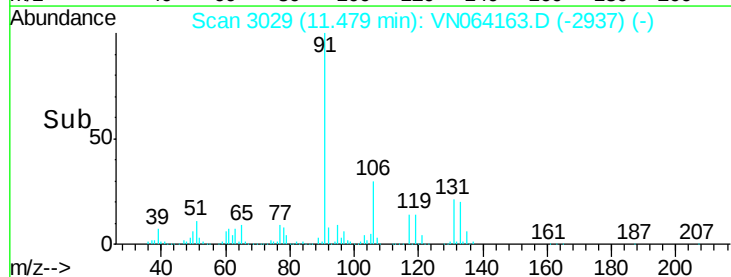
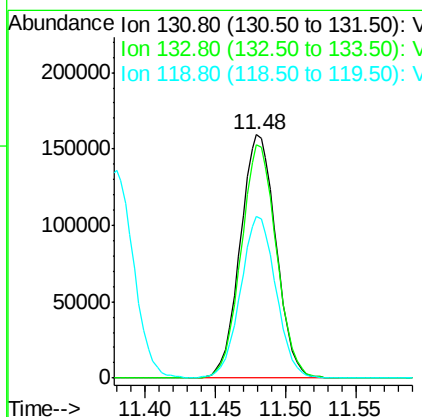
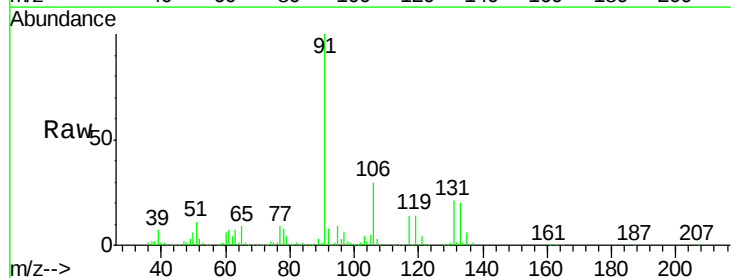
Manual Integrations
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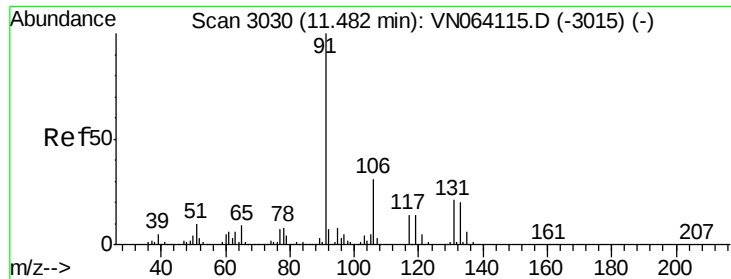
MMDadoda
10/19/2020 4:22:19 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.406 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion:131 Resp: 283068
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 65.5 32.8 98.4





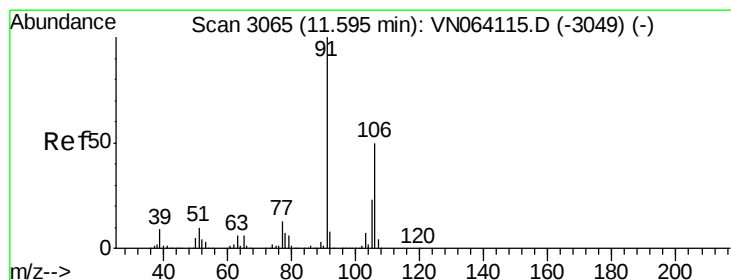
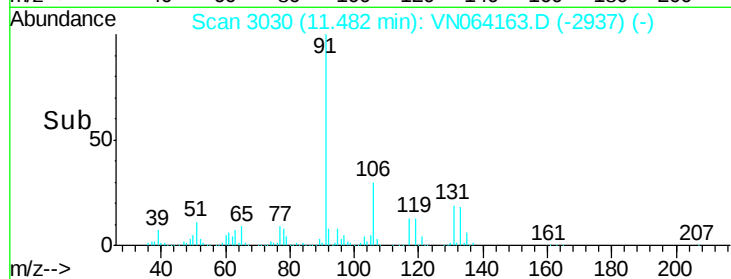
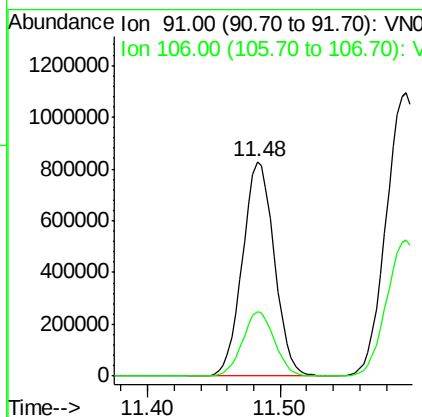
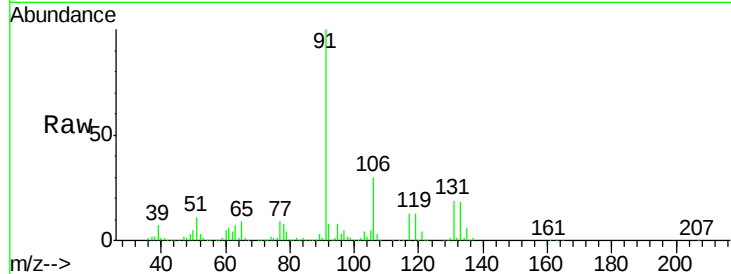
#67
Ethyl Benzene
Concen: 53.490 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1380130
Ion Ratio Lower Upper
91 100
106 29.9 24.7 37.1

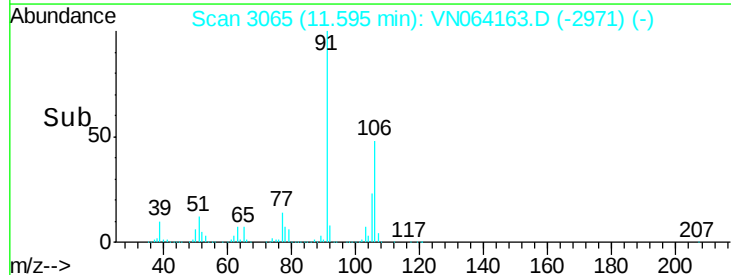
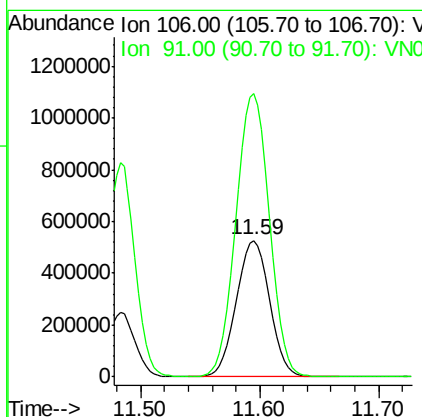
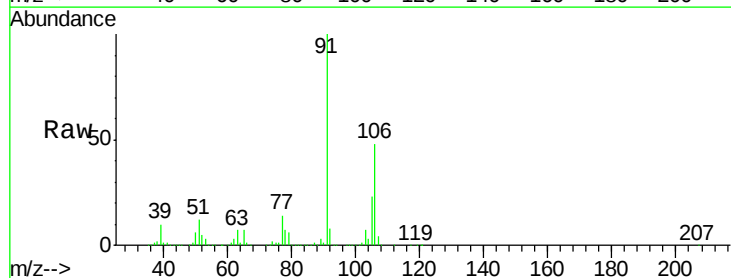
Manual Integrations
APPROVED

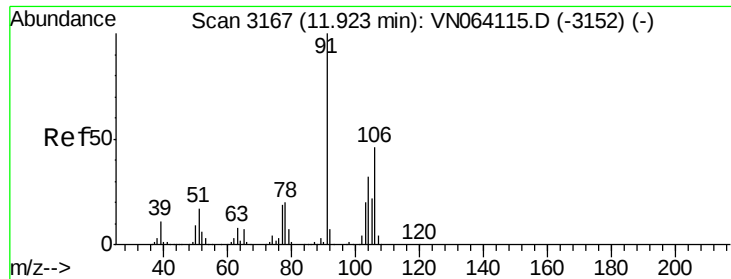
MMDadoda
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#68
m/p-Xylenes
Concen: 95.758 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion: 106 Resp: 1017534
Ion Ratio Lower Upper
106 100
91 209.6 162.1 243.1





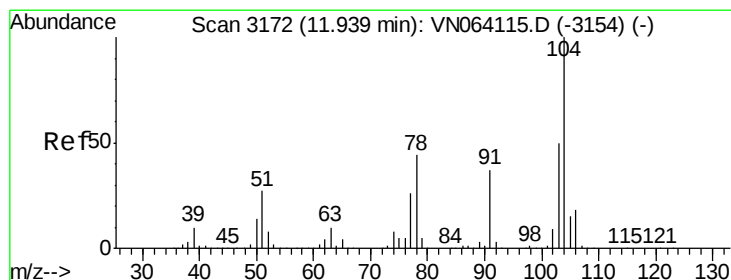
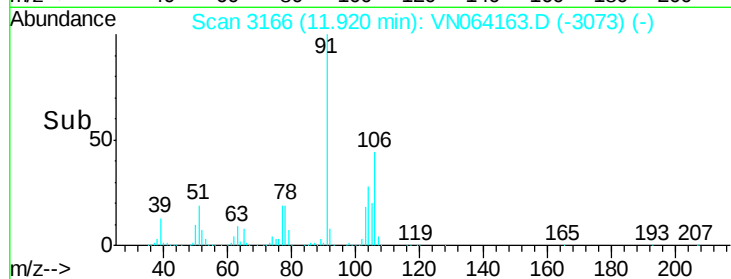
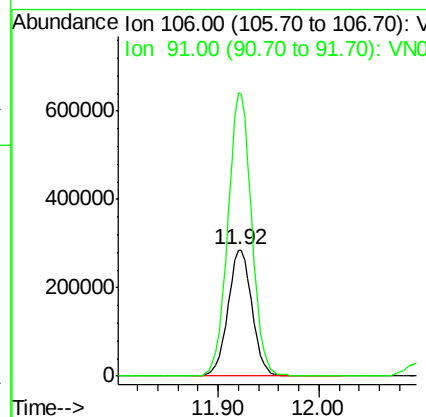
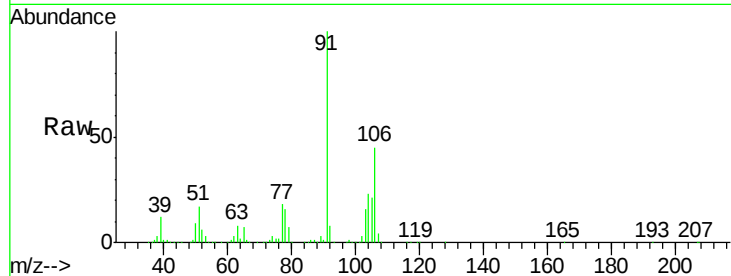
#69
o-Xylene
Concen: 46.771 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 474964
Ion Ratio Lower Upper
106 100
91 222.0 107.6 322.8

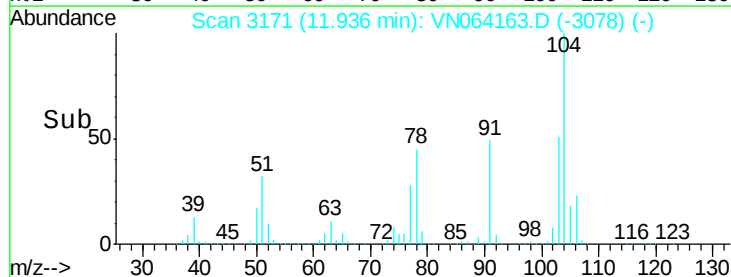
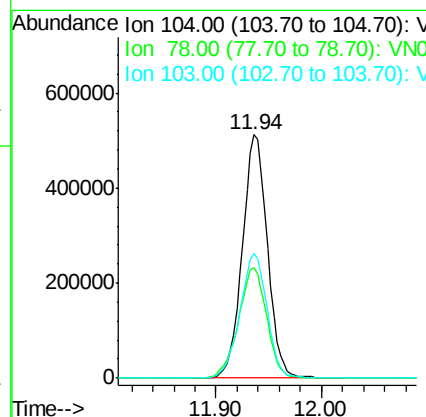
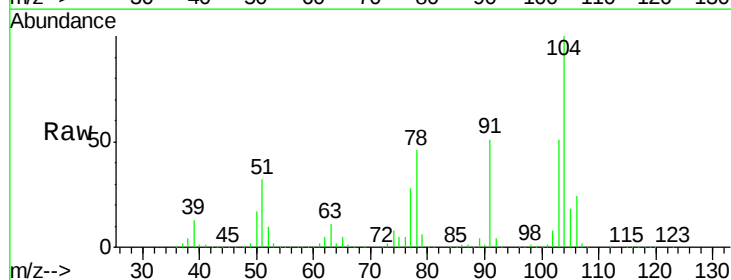
Manual Integrations
APPROVED

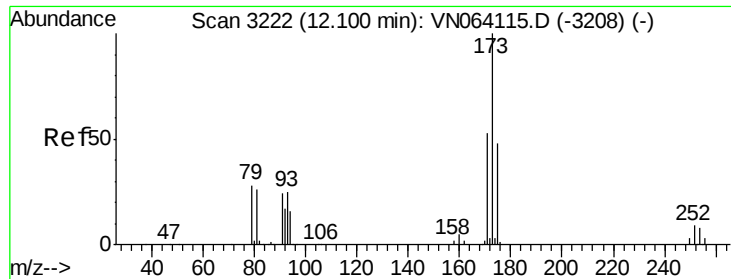
MMDadoda
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#70
Styrene
Concen: 48.135 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion:104 Resp: 843408
Ion Ratio Lower Upper
104 100
78 51.0 39.7 59.5
103 55.5 44.2 66.2





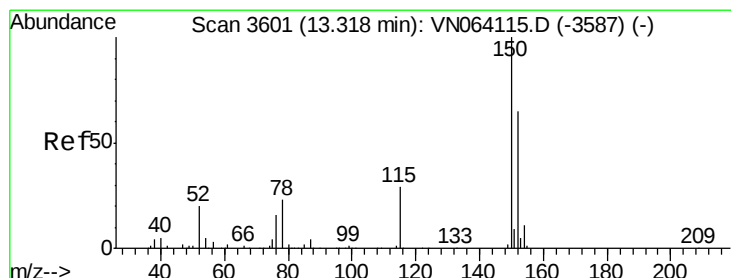
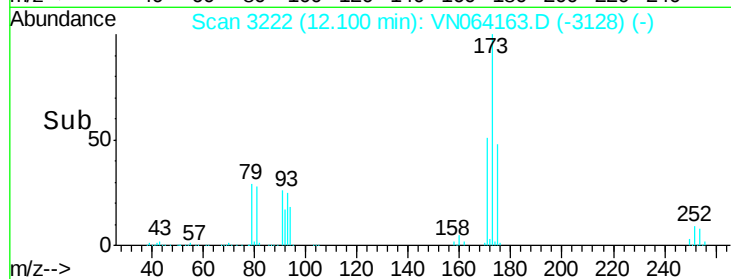
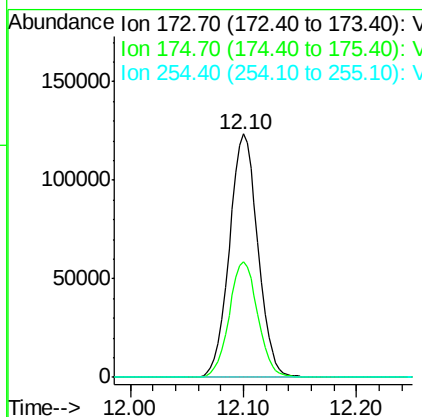
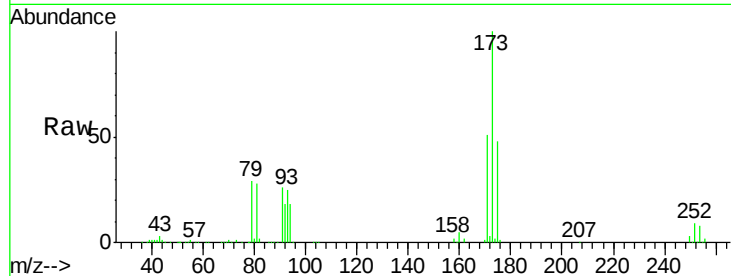
#71
Bromoform
Concen: 44.946 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	23.4	70.2
254	0.1	0.1	0.1#

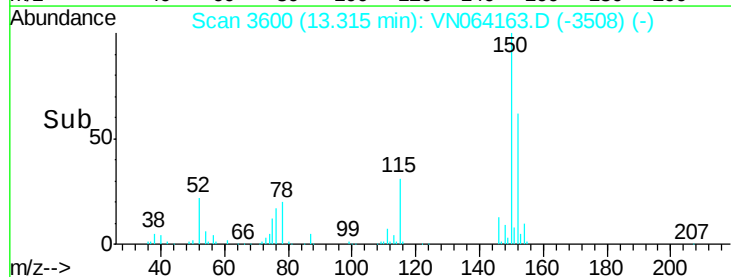
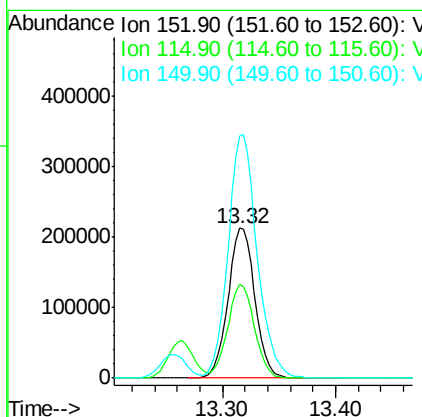
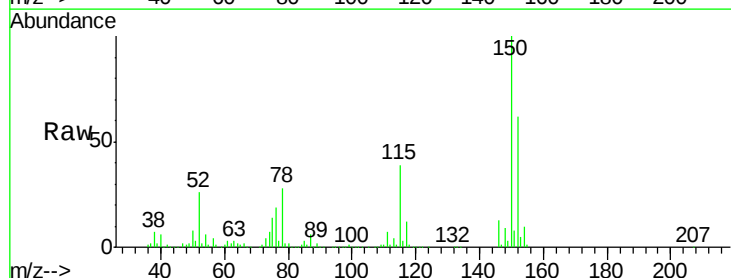
Manual Integrations
APPROVED

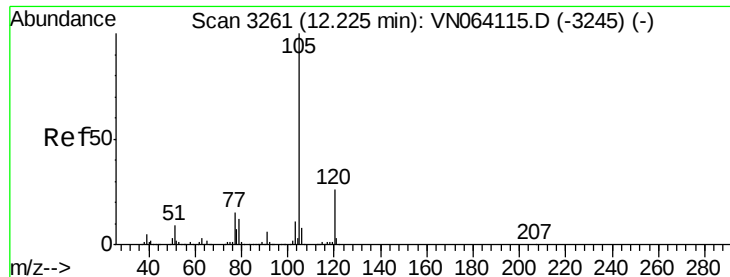
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.8	29.3	87.8
150	175.1	0.0	346.0





#73

Isopropylbenzene

Concen: 49.903 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1267845

Ion Ratio Lower Upper

105 100

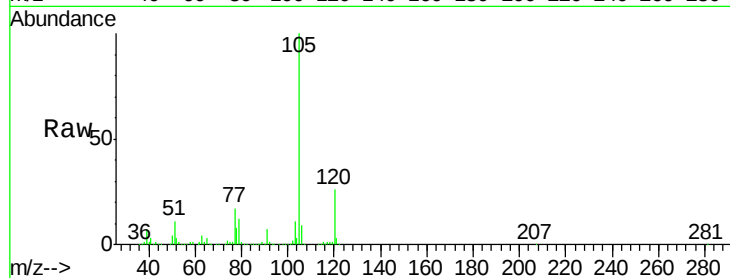
120 25.8 13.2 39.5

Manual Integrations

APPROVED

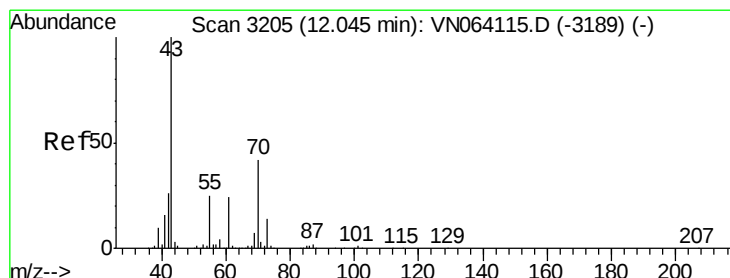
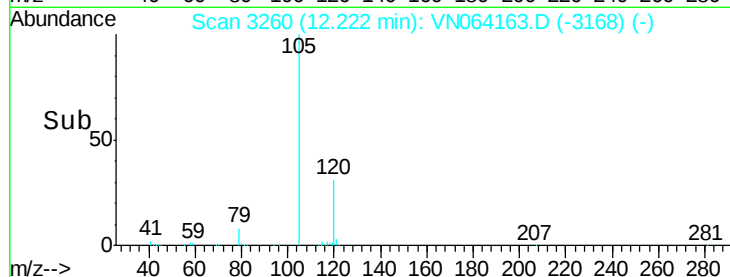
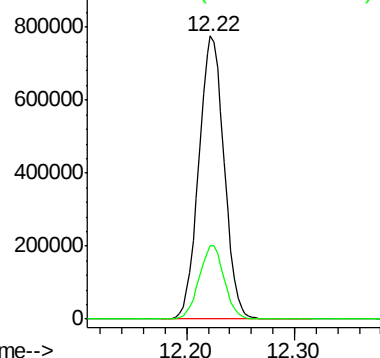
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 60.261 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion: 43 Resp: 573346

Ion Ratio Lower Upper

43 100

70 38.4 33.2 49.8

55 24.6 19.9 29.9

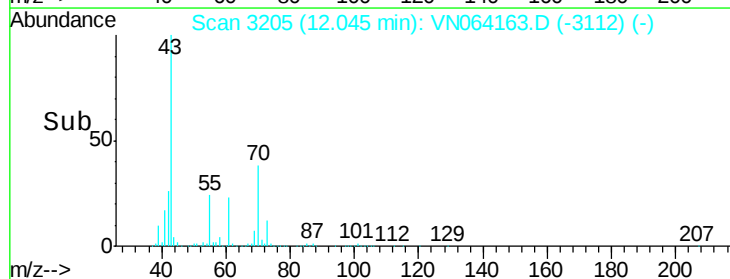
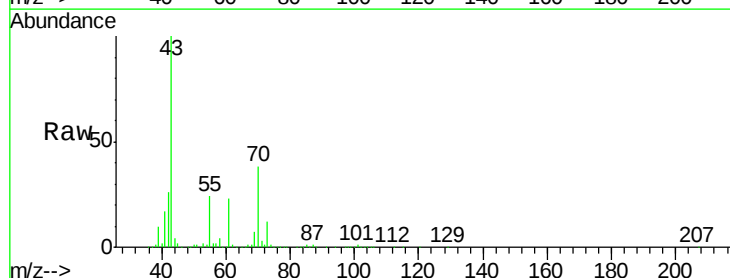
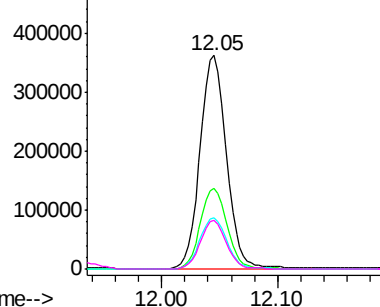
61 22.4 18.8 28.2

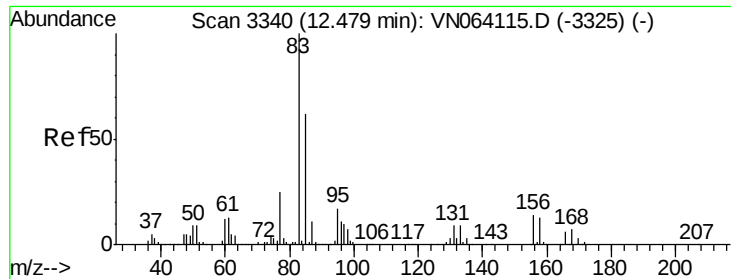
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 70.00 (69.70 to 70.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 61.00 (60.70 to 61.70): VN





#75

1,1,2,2-Tetrachloroethane

Concen: 48.315 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

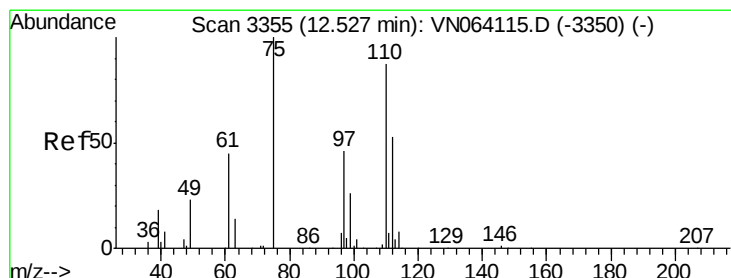
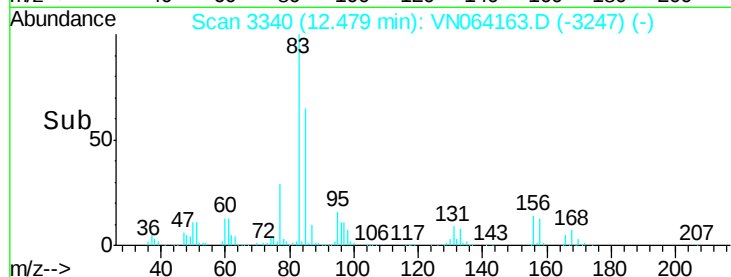
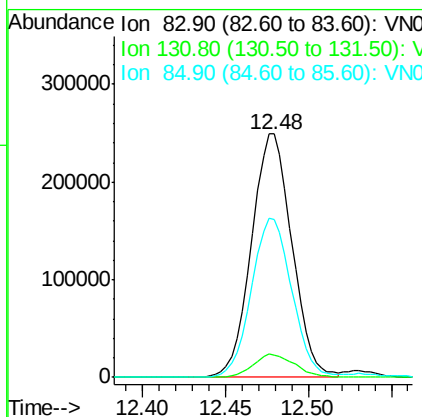
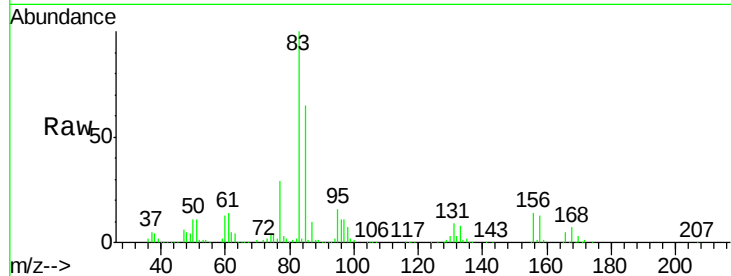
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	422617
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.0	15.0
85	65.6	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 46.274 ug/l m

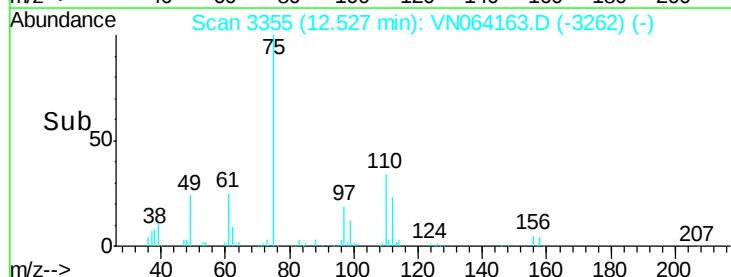
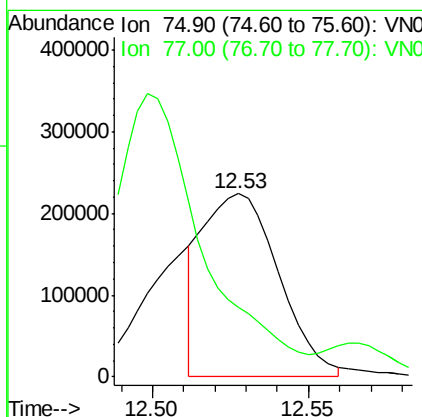
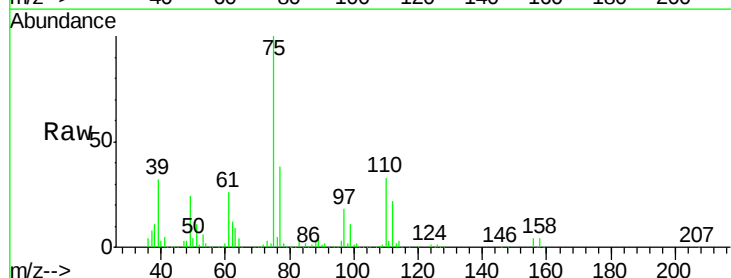
RT: 12.53 min Scan# 3355

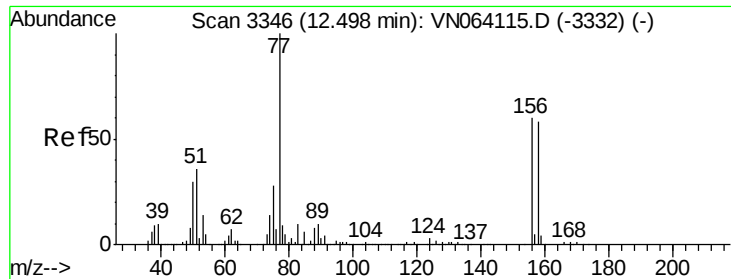
Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion:	75	Resp:	380771
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 44.331 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

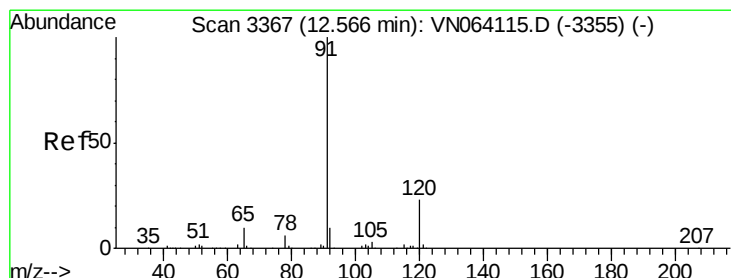
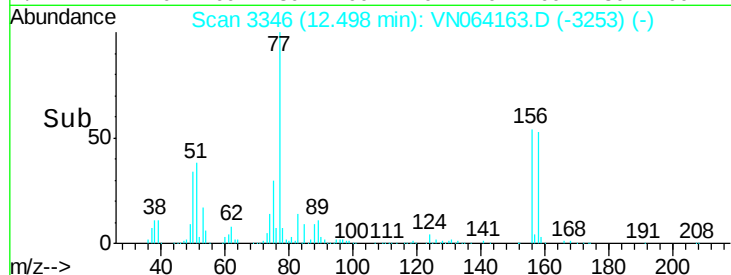
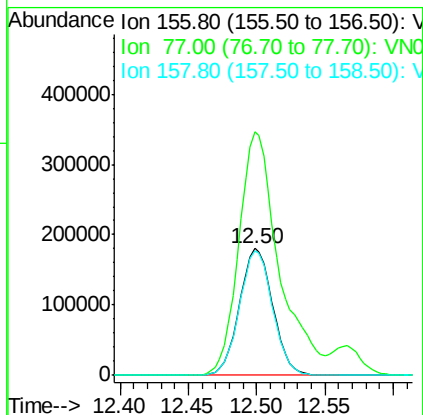
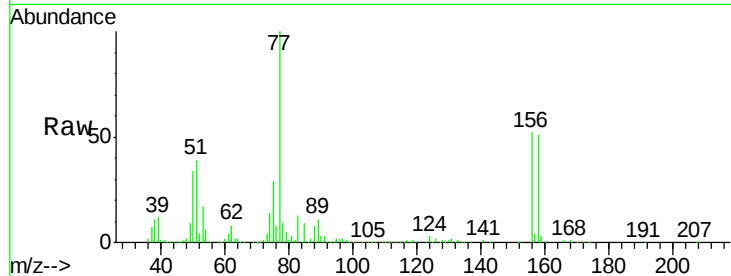
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	232.2	99.3	297.9
158	98.2	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 53.832 ug/l

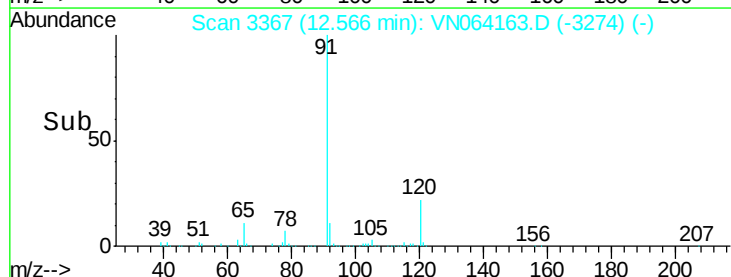
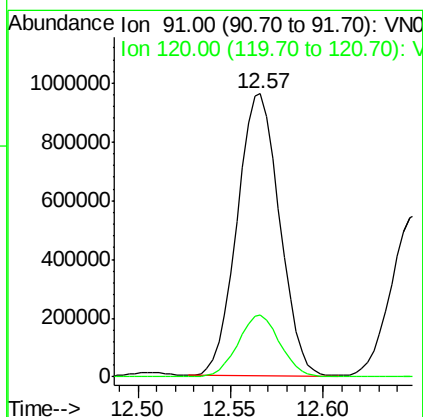
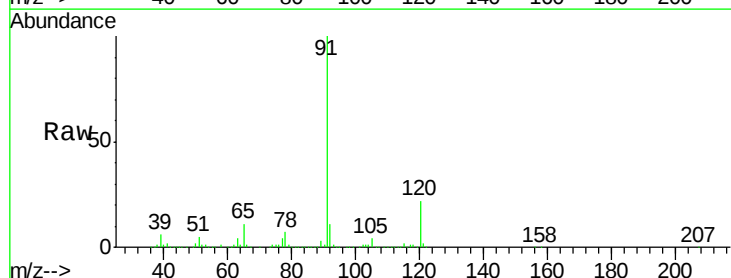
RT: 12.57 min Scan# 3367

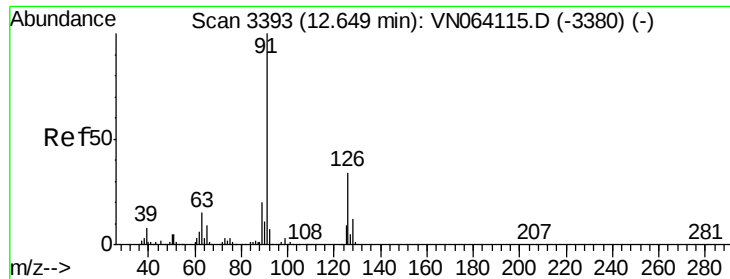
Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.5	34.5





#79

2-Chlorotoluene

Concen: 50.171 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 904835

Ion Ratio Lower Upper

91 100

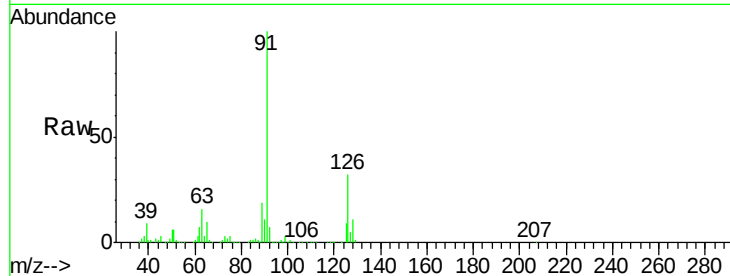
126 32.6 17.5 52.5

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN064163.D (-3300) (-)

Ion 125.90 (125.60 to 126.60): VN064163.D (-3300) (-)

1000000

800000

600000

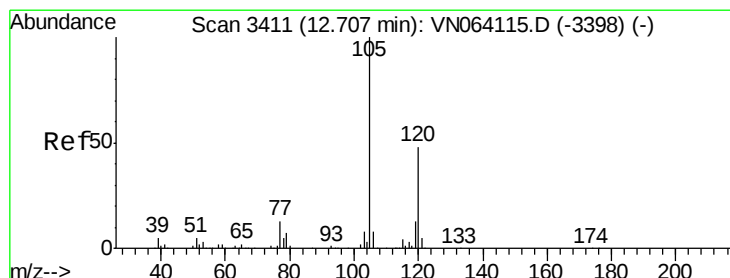
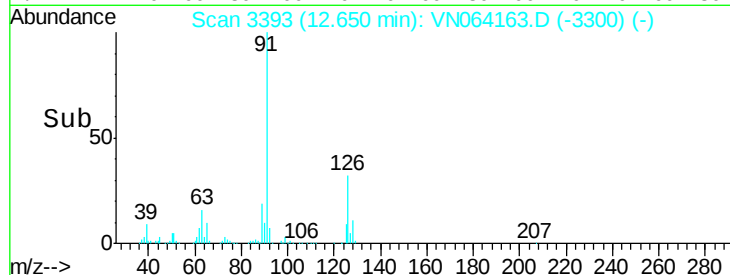
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.817 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064163.D

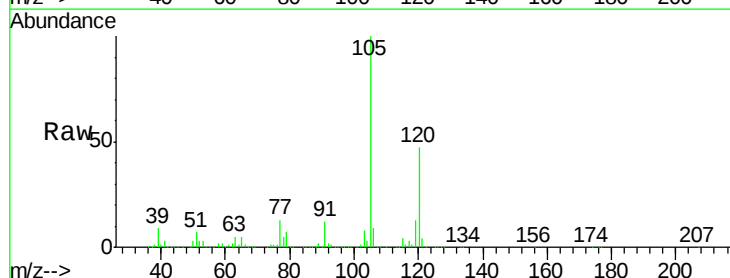
Acq: 16 Oct 2020 14:18

Tgt Ion: 105 Resp: 1077074

Ion Ratio Lower Upper

105 100

120 47.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN064163.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064163.D (-3318) (-)

800000

600000

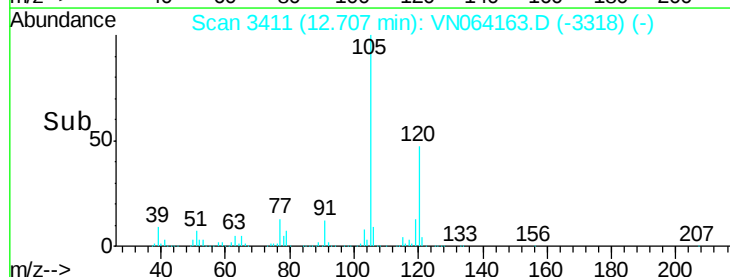
400000

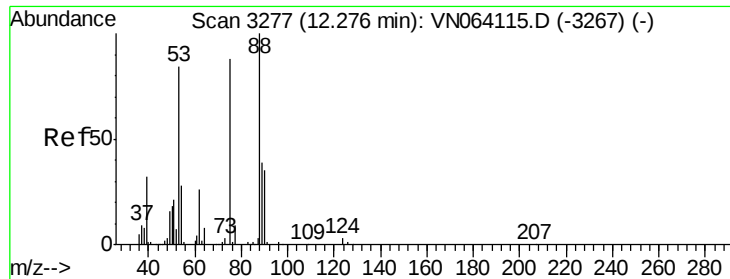
200000

0

12.60 12.70 12.80

Time-->





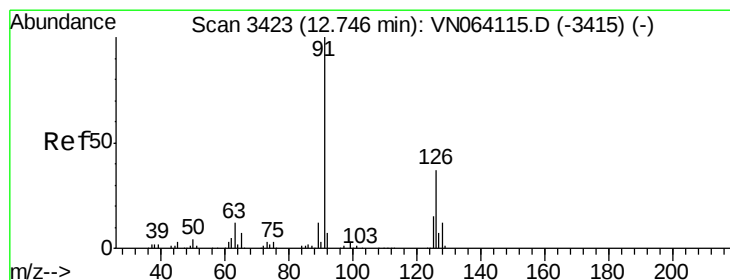
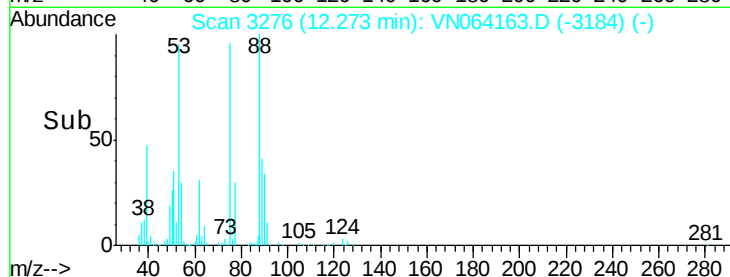
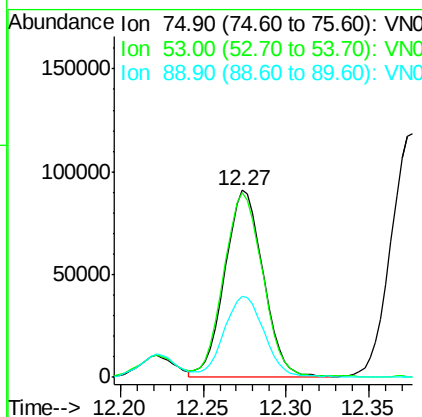
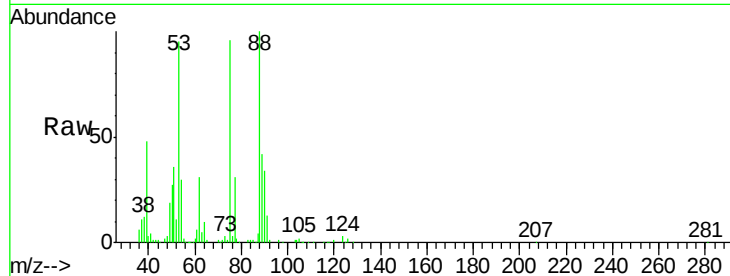
#81
trans-1,4-Dichloro-2-butene
Concen: 54.439 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.3	75.7	113.5
89	45.0	36.6	55.0

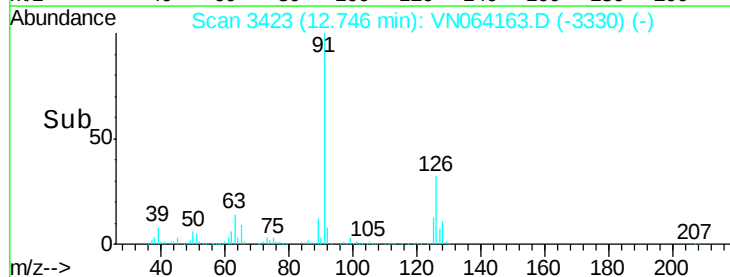
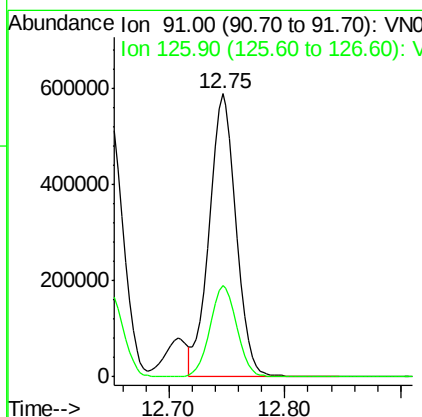
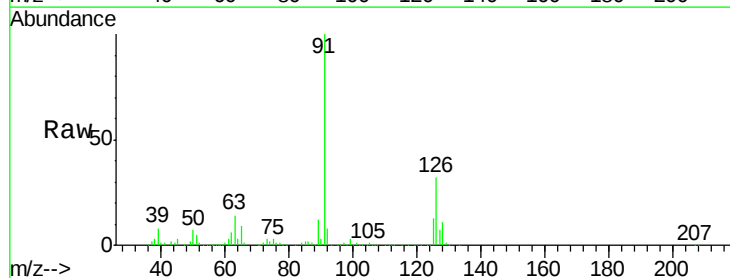
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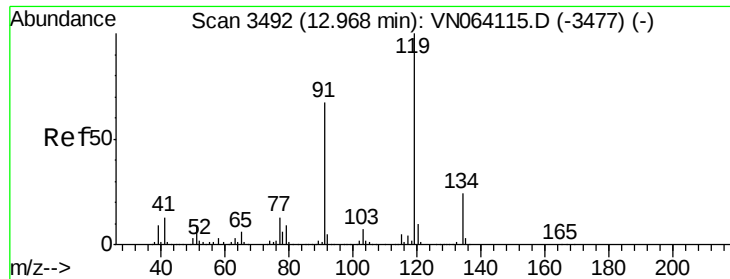
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#82
4-Chlorotoluene
Concen: 52.332 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	17.1	51.2





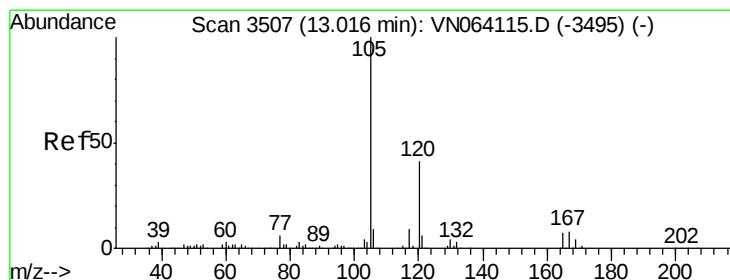
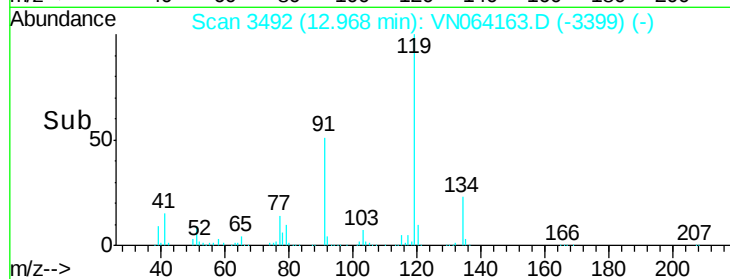
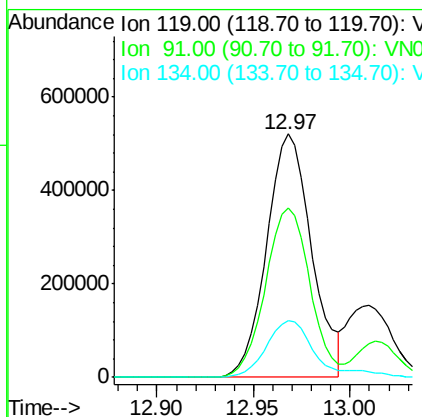
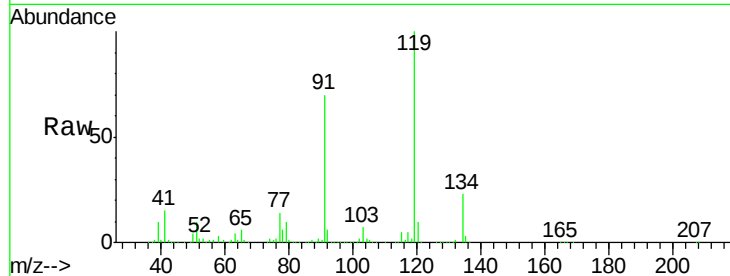
#83
 tert-Butylbenzene
 Concen: 49.996 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	843189		
91	69.1		32.6	98.0
134	23.5		13.0	39.0

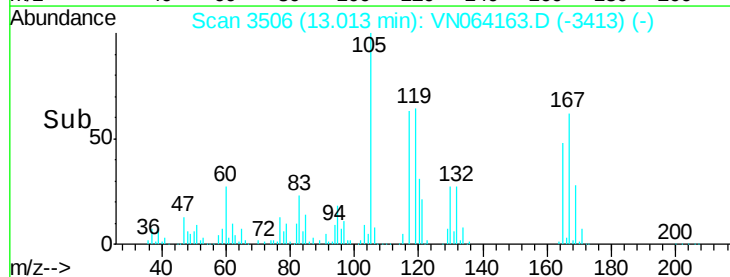
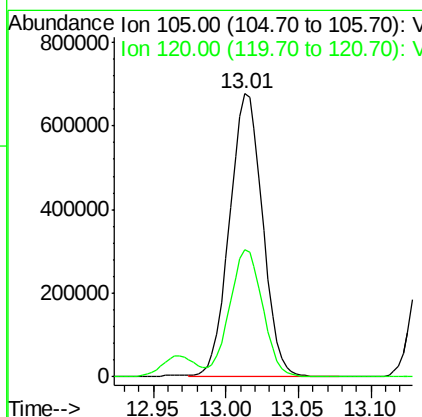
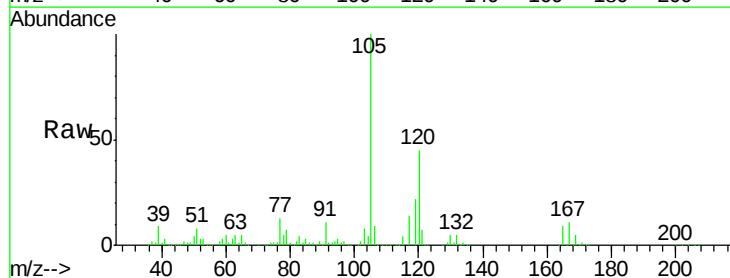
Manual Integrations
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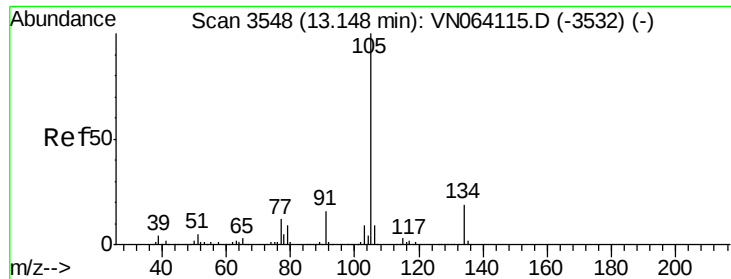
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.072 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1064282		
120	45.0		22.8	68.4





#85

sec-Butylbenzene

Concen: 52.539 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1139069

Ion Ratio Lower Upper

105 100

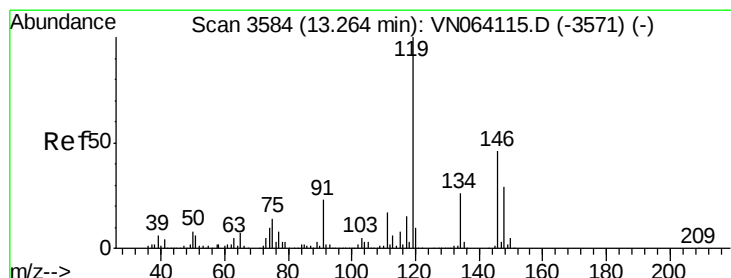
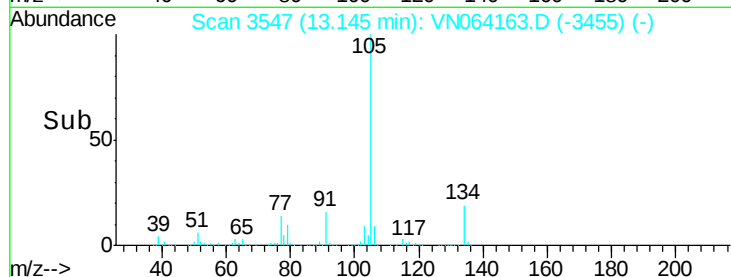
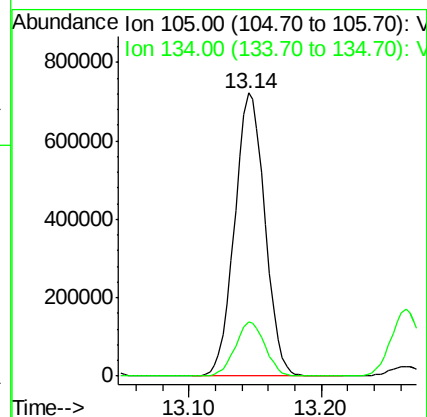
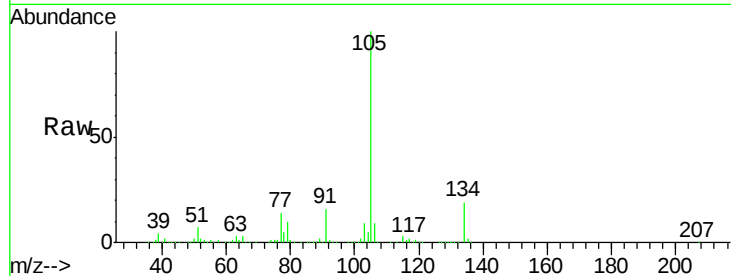
134 19.0 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 50.047 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

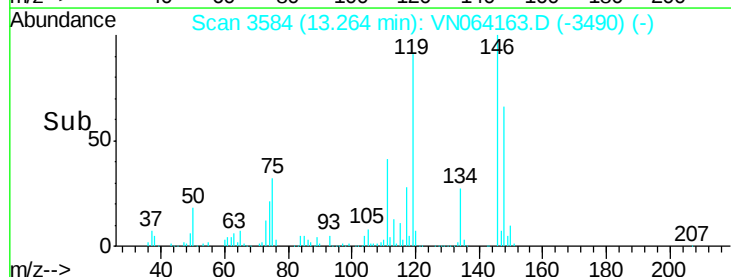
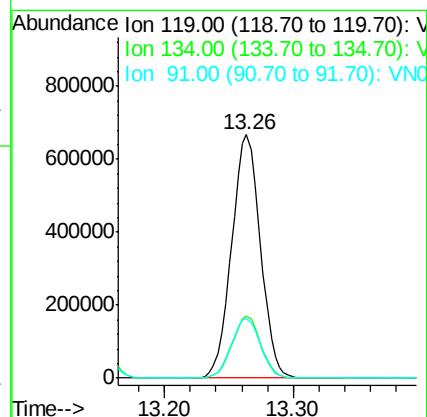
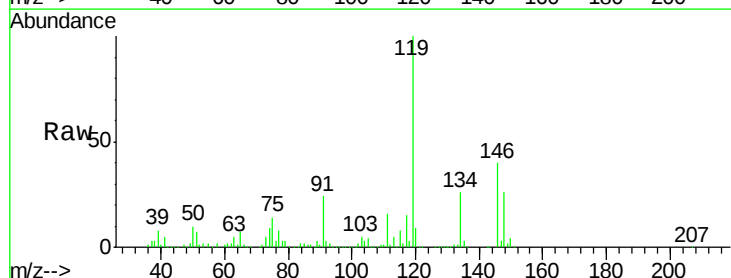
Tgt Ion:119 Resp: 1026302

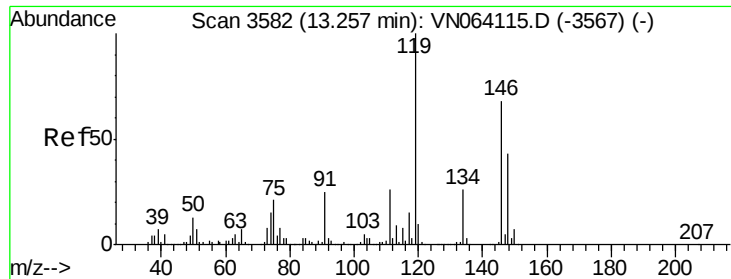
Ion Ratio Lower Upper

119 100

134 25.6 13.2 39.5

91 24.8 12.0 36.1





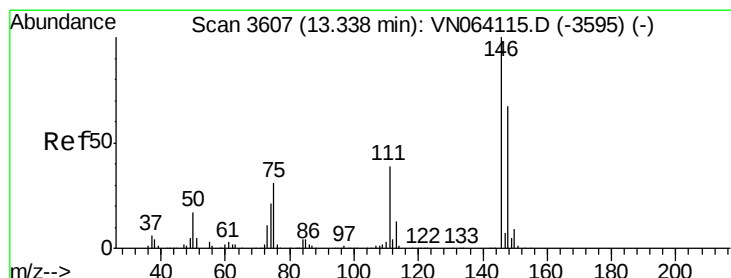
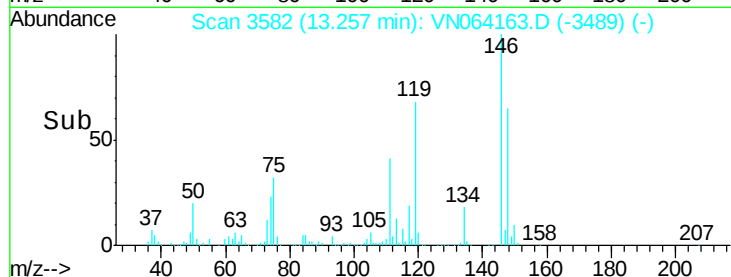
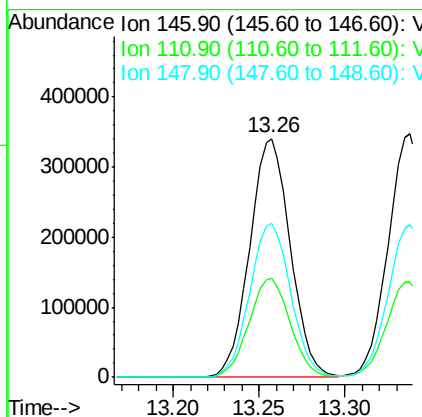
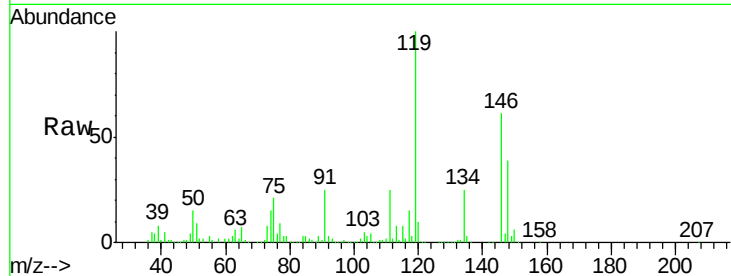
#87
 1,3-Dichlorobenzene
 Concen: 48.462 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	19.7	59.1
148	65.3	32.0	96.2

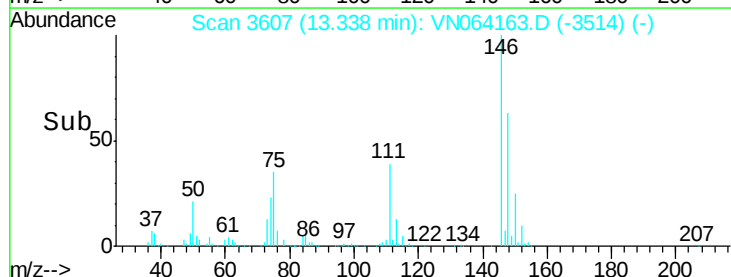
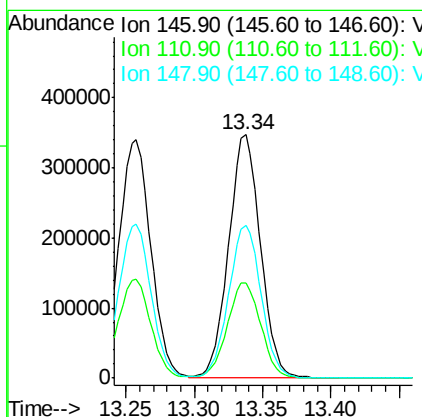
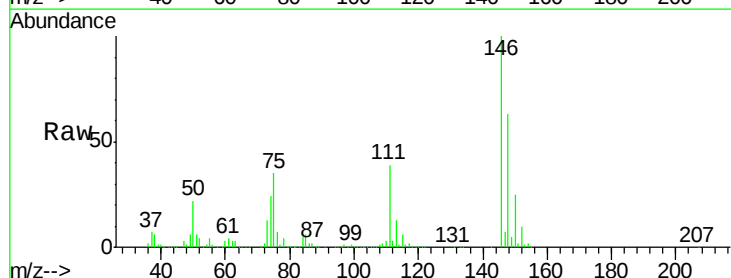
Manual Integrations
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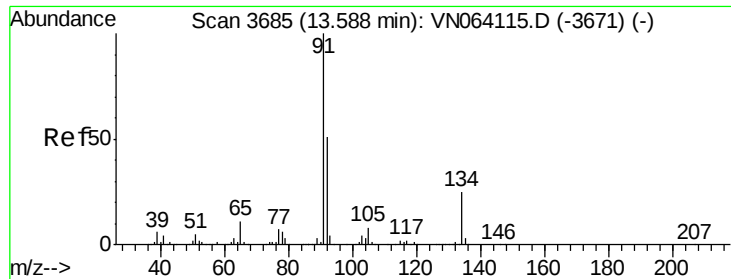
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#88
 1,4-Dichlorobenzene
 Concen: 47.727 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	19.3	57.9
148	64.2	32.1	96.5





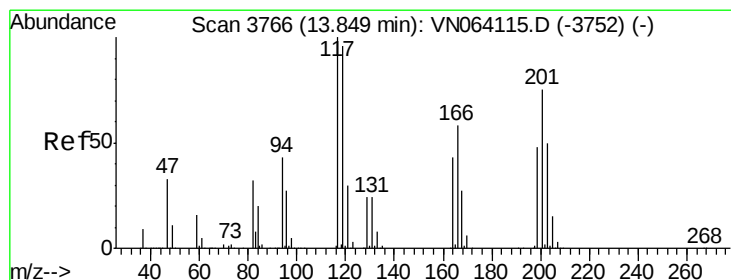
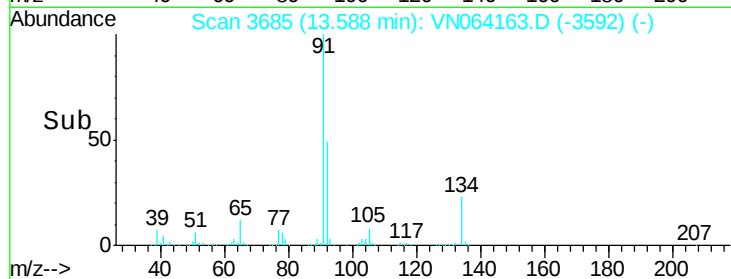
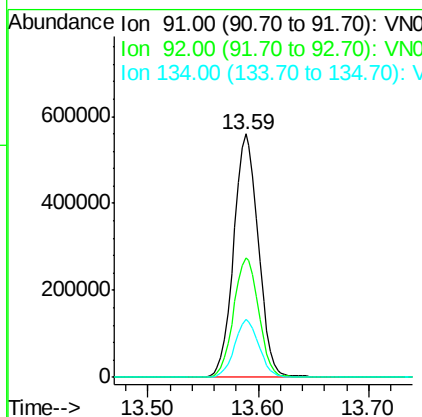
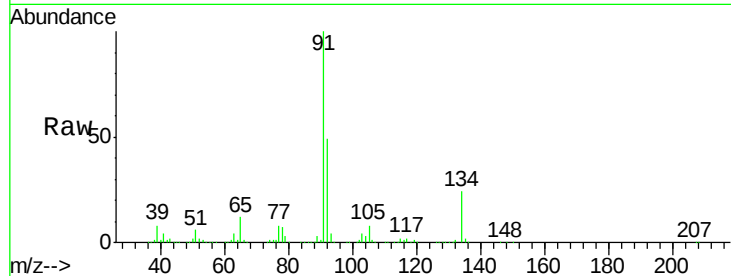
#89
n-Butylbenzene
Concen: 55.048 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	49.9	25.6	76.6	
134	23.3	12.6	37.8	

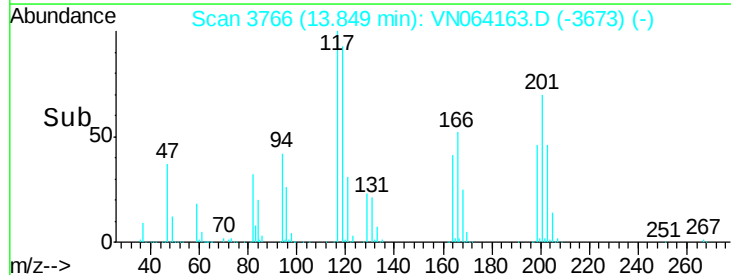
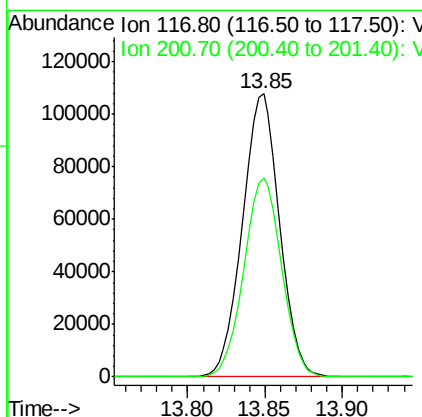
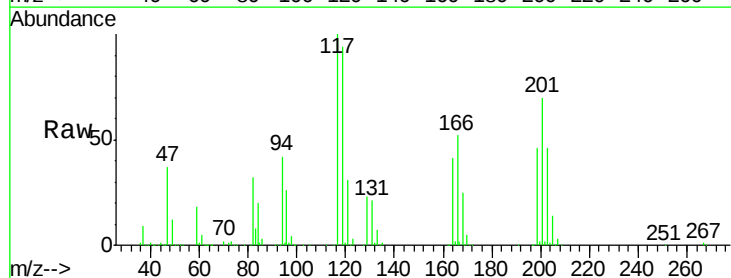
Manual Integrations
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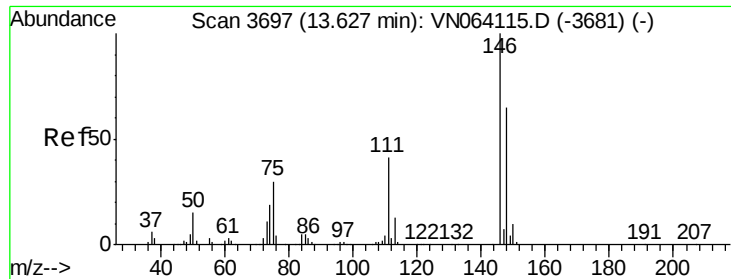
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#90
Hexachloroethane
Concen: 49.995 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064163.D
Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	71.3	37.4	112.2	





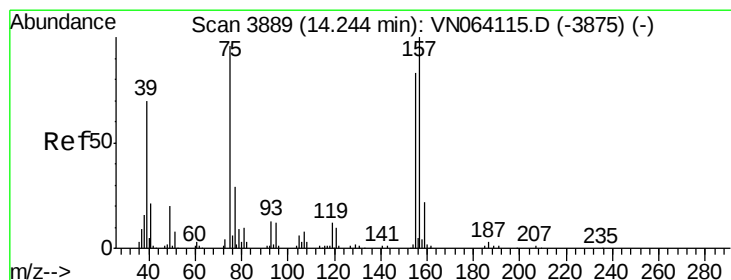
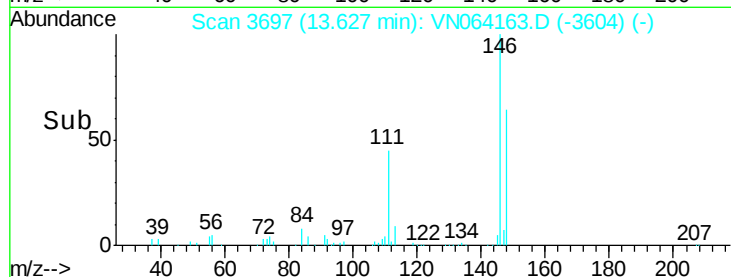
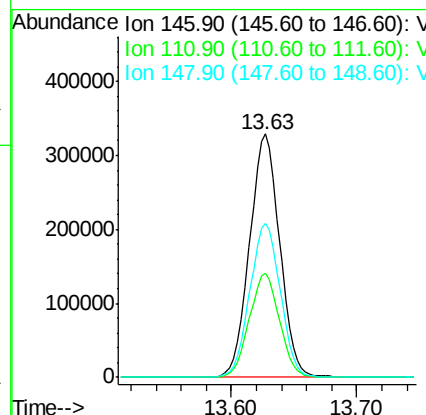
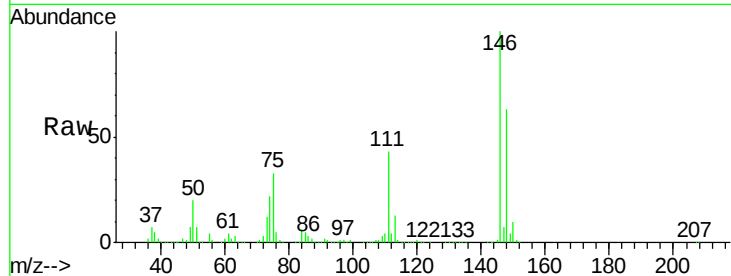
#91
 1,2-Dichlorobenzene
 Concen: 48.159 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.3	60.8
148	63.9	32.2	96.6

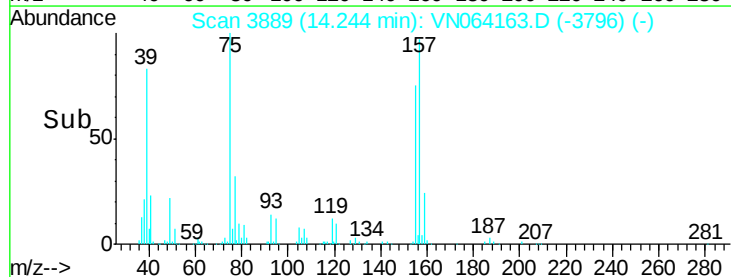
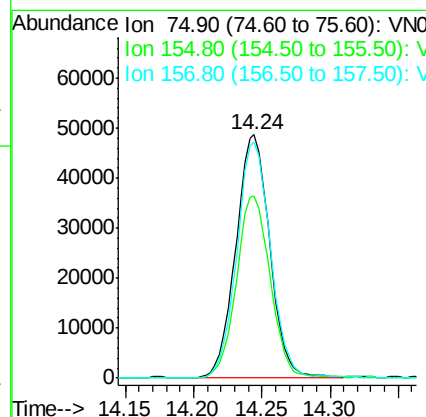
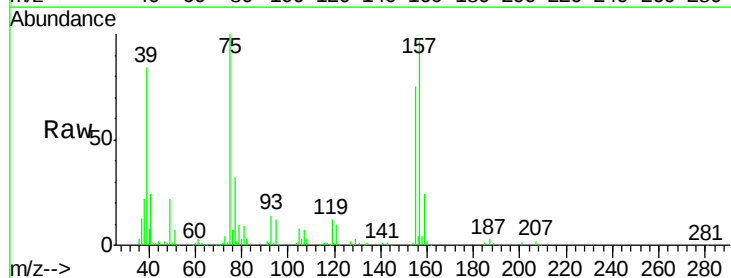
Manual Integrations
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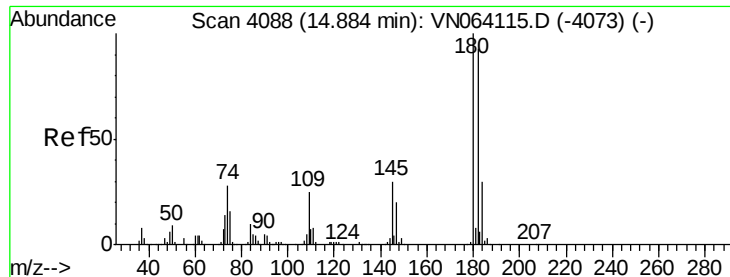
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.430 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.5	40.8	122.2
157	96.7	53.9	161.7





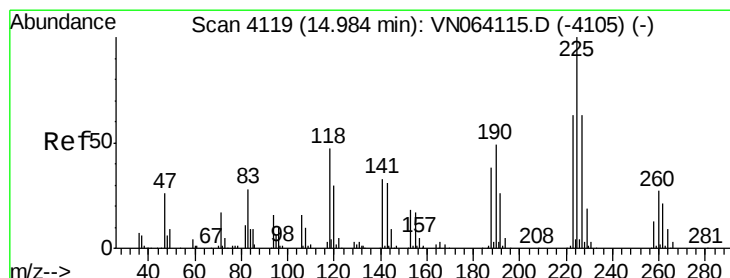
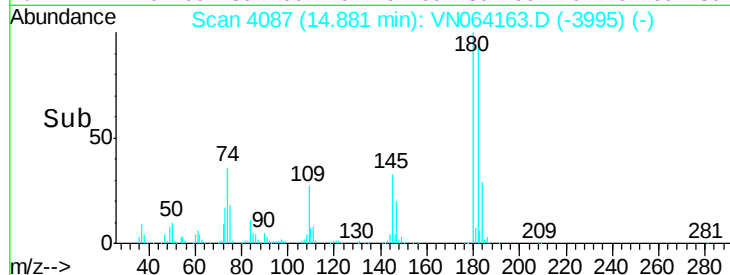
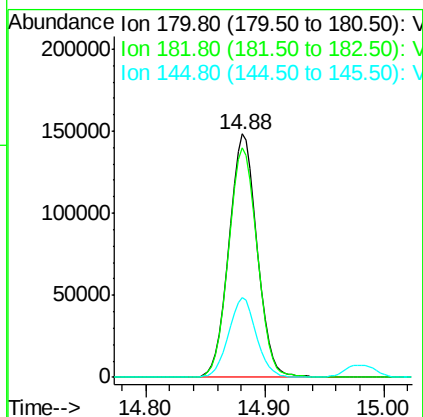
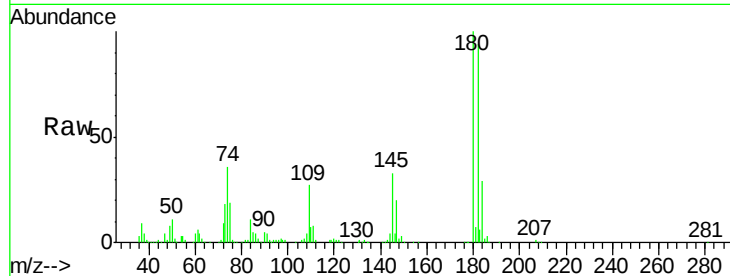
#93
 1,2,4-Trichlorobenzene
 Concen: 43.625 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	242589		
182	96.2	45.8	137.4	
145	32.5	15.4	46.1	

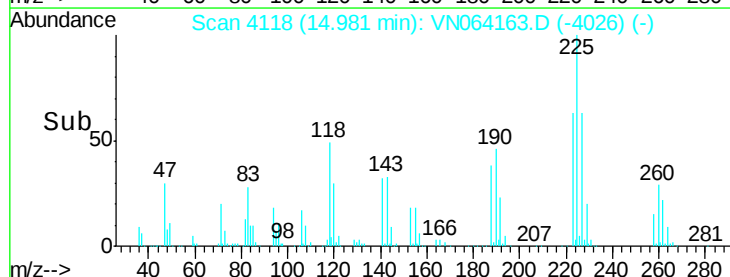
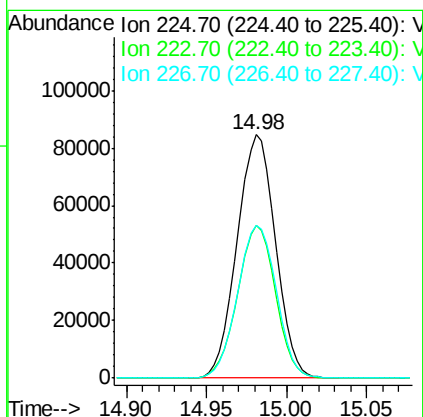
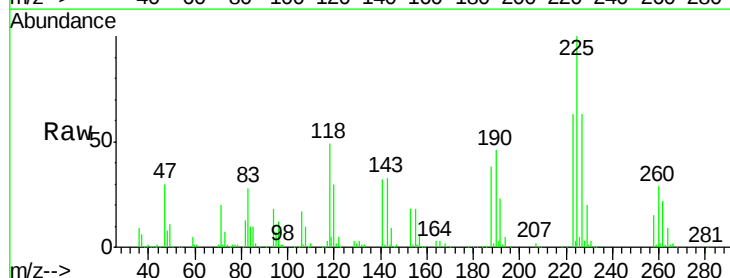
Manual Integrations
 APPROVED

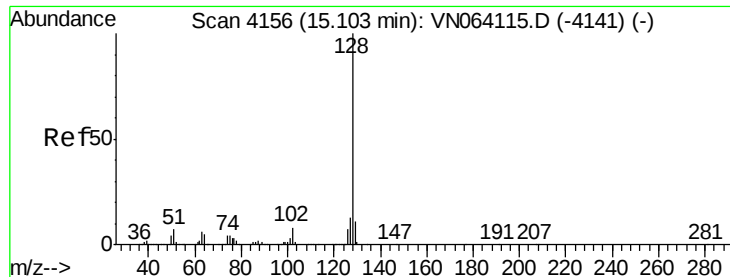
MMDadoda
 10/19/2020 4:22:19 PM



#94
 Hexachlorobutadiene
 Concen: 50.925 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064163.D
 Acq: 16 Oct 2020 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	138761		
223	61.9	32.3	96.9	
227	63.4	31.6	94.8	





#95

Naphthalene

Concen: 42.347 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Instrument :

MSVOA_N

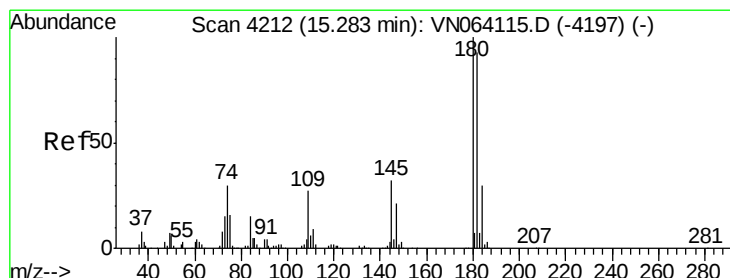
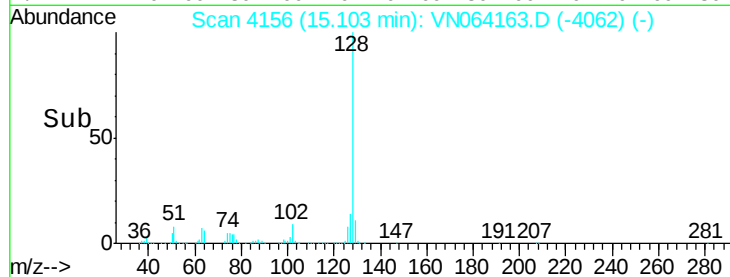
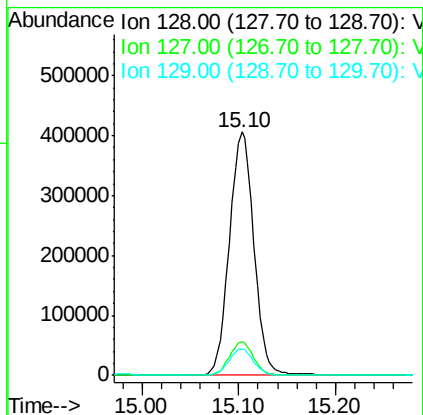
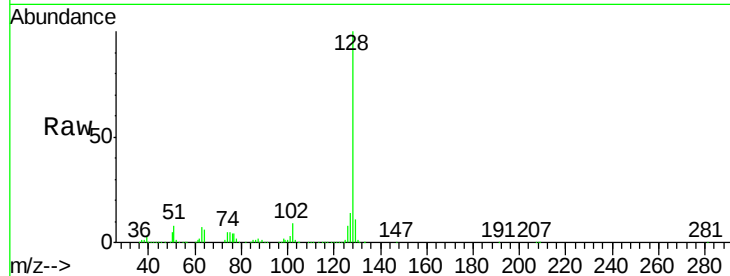
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	716197
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.2	15.4
129	10.8	8.5	12.7

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 44.754 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064163.D

Acq: 16 Oct 2020 14:18

Tgt Ion:	180	Resp:	248784
Ion Ratio	Lower	Upper	
180	100		
182	95.7	46.6	139.8
145	33.1	16.1	48.2

