

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN113020\
 Data File : VN064862.D
 Acq On : 30 Nov 2020 10:31
 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
 12/1/2020 9:34:59 AM

Quant Time: Dec 01 01:42:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	215345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	319762	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	295505	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	146421	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	115637	46.19	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	92.38%
35) Dibromofluoromethane	7.55	113	99467	51.99	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	103.98%
50) Toluene-d8	10.06	98	385015	49.25	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.50%
62) 4-Bromofluorobenzene	12.37	95	139282	49.78	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	99.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	81550	43.695	ug/l 99
3) Chloromethane	2.04	50	104125	42.933	ug/l 98
4) Vinyl Chloride	2.17	62	111401	44.057	ug/l 96
5) Bromomethane	2.53	94	69891	42.130	ug/l 98
6) Chloroethane	2.67	64	70790	45.264	ug/l 97
7) Trichlorofluoromethane	2.99	101	159490	45.630	ug/l 98
8) Diethyl Ether	3.37	74	64792	46.962	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	99710	47.554	ug/l 98
10) Methyl Iodide	3.90	142	117748	43.295	ug/l 99
11) Tert butyl alcohol	4.74	59	78035	199.869	ug/l 99
12) 1,1-Dichloroethene	3.69	96	95308	45.641	ug/l 98
13) Acrolein	3.57	56	39790	166.847	ug/l 99
14) Allyl chloride	4.27	41	157599	45.758	ug/l 100
15) Acrylonitrile	4.93	53	243886	226.118	ug/l 99
16) Acetone	3.78	43	168456	204.690	ug/l 100
17) Carbon Disulfide	4.00	76	245524	45.538	ug/l 100
18) Methyl Acetate	4.28	43	112222	45.354	ug/l 99
19) Methyl tert-butyl Ether	4.99	73	326760	48.790	ug/l 99
20) Methylene Chloride	4.50	84	114980	44.586	ug/l 99
21) trans-1,2-Dichloroethene	4.98	96	106453	45.906	ug/l 99
22) Diisopropyl ether	5.90	45	338188	49.057	ug/l 99
23) Vinyl Acetate	5.84	43	1339908	243.056	ug/l 100
24) 1,1-Dichloroethane	5.79	63	194912	47.310	ug/l 98
25) 2-Butanone	6.79	43	297883	223.285	ug/l 97
26) 2,2-Dichloropropane	6.78	77	168350	47.114	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	123908	47.485	ug/l 98
28) Bromochloromethane	7.15	49	83067	44.073	ug/l 97
29) Tetrahydrofuran	7.17	42	202855	220.276	ug/l 98
30) Chloroform	7.33	83	200144	47.108	ug/l 99
31) Cyclohexane	7.61	56	159429	45.691	ug/l 96
32) 1,1,1-Trichloroethane	7.53	97	170297	46.669	ug/l 99
36) 1,1-Dichloropropene	7.75	75	148820	50.211	ug/l 98
37) Ethyl Acetate	6.88	43	131164	45.942	ug/l 98
38) Carbon Tetrachloride	7.73	117	153816	49.877	ug/l 100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	167958	52.641	ug/l	98
40) Benzene	8.00	78	452498	49.822	ug/l	98
41) Methacrylonitrile	7.12	41	63322	48.067	ug/l	91
42) 1,2-Dichloroethane	8.08	62	149153	48.681	ug/l	99
43) Isopropyl Acetate	8.13	43	219909	47.868	ug/l	99
44) Trichloroethene	8.80	130	135786	50.671	ug/l	96
45) 1,2-Dichloropropane	9.08	63	119466	50.793	ug/l	100
46) Dibromomethane	9.17	93	80183	51.029	ug/l	96
47) Bromodichloromethane	9.37	83	161588	51.108	ug/l	98
48) Methyl methacrylate	9.16	41	106732	48.621	ug/l	98
49) 1,4-Dioxane	9.16	88	36475	879.131	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	667613	242.062	ug/l	99
52) Toluene	10.12	92	286811	51.278	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	178770	50.766	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	194712	51.585	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	114733	49.884	ug/l	95
56) Ethyl methacrylate	10.40	69	164503	51.829	ug/l	98
57) 1,3-Dichloropropane	10.68	76	189459	49.936	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	447077	256.075	ug/l	99
59) 2-Hexanone	10.72	43	475072	239.342	ug/l	99
60) Dibromochloromethane	10.87	129	130104	50.888	ug/l	100
61) 1,2-Dibromoethane	10.97	107	116913	50.032	ug/l	99
64) Tetrachloroethene	10.60	164	161025	56.009	ug/l	98
65) Chlorobenzene	11.41	112	315296	49.685	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	120403	51.628	ug/l	99
67) Ethyl Benzene	11.48	91	545963	51.500	ug/l	100
68) m/p-Xylenes	11.59	106	423692	105.561	ug/l	99
69) o-Xylene	11.92	106	199645	52.417	ug/l	99
70) Styrene	11.94	104	344580	53.590	ug/l	100
71) Bromoform	12.10	173	90116	48.380	ug/l #	100
73) Isopropylbenzene	12.22	105	536189	52.647	ug/l	100
74) N-amyl acetate	12.04	43	193513	48.281	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	127298	42.644	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	154039m	48.850	ug/l	
77) Bromobenzene	12.50	156	136059	49.552	ug/l	98
78) n-propylbenzene	12.56	91	618866	53.340	ug/l	99
79) 2-Chlorotoluene	12.65	91	364745	50.858	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	463519	54.755	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	53992	46.928	ug/l #	84
82) 4-Chlorotoluene	12.75	91	385451	51.274	ug/l	100
83) tert-Butylbenzene	12.97	119	381375	53.748	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	465363	54.371	ug/l	99
85) sec-Butylbenzene	13.14	105	518561	55.042	ug/l	100
86) p-Isopropyltoluene	13.26	119	486003	56.662	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	245427	50.310	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	248748	48.216	ug/l	99
89) n-Butylbenzene	13.59	91	415707	55.189	ug/l	99
90) Hexachloroethane	13.85	117	78992	53.013	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	241424	50.402	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30276	45.075	ug/l	98

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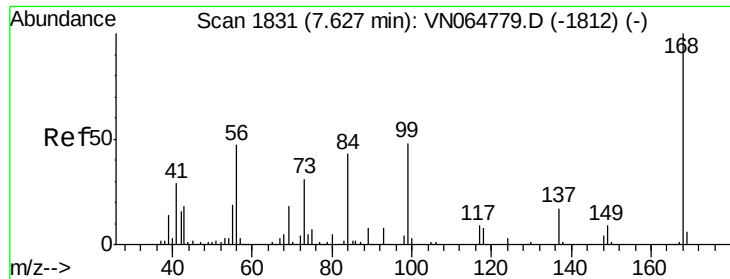
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	151472	51.119	ug/l	99
94) Hexachlorobutadiene	14.98	225	74673	55.919	ug/l	98
95) Naphthalene	15.10	128	424501	47.820	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	142862	50.714	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 215345

Ion Ratio Lower Upper

168 100

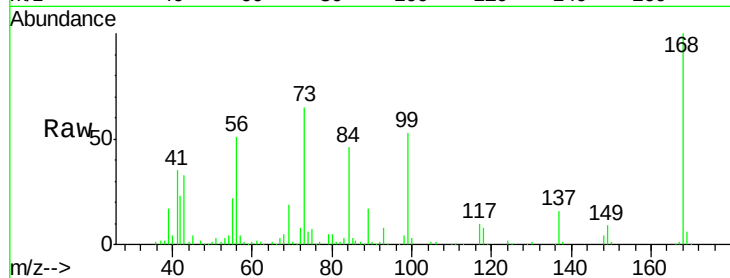
99 53.1 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

80000

60000

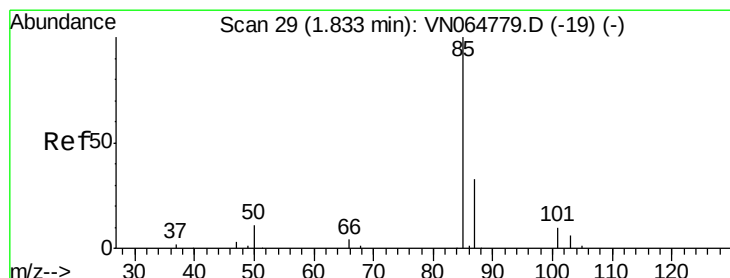
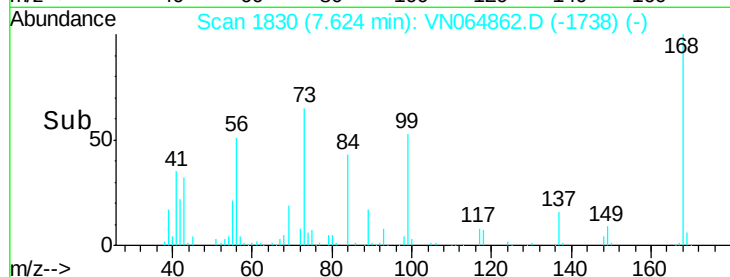
40000

20000

0

7.50 7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 43.695 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064862.D

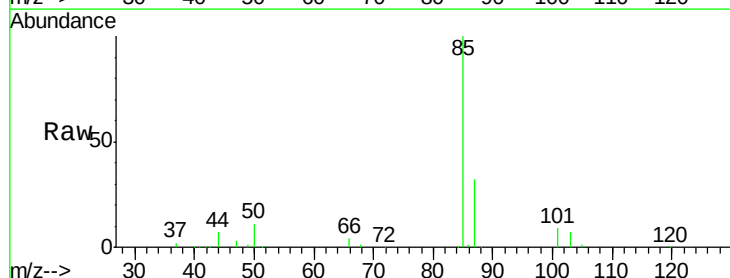
Acq: 30 Nov 2020 10:31

Tgt Ion: 85 Resp: 81550

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

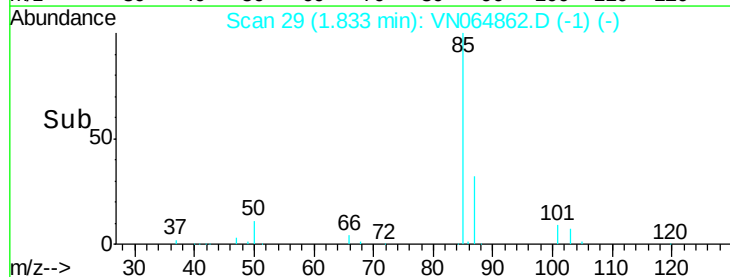
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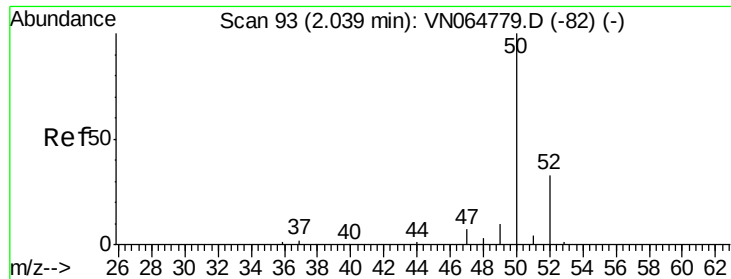
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 42.933 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Tot Ion: 50 Resp: 104125

Ion Ratio Lower Upper

50 100

52 32.0 26.6 39.8

Instrument :

MSVOA_N

ClientSampleId :

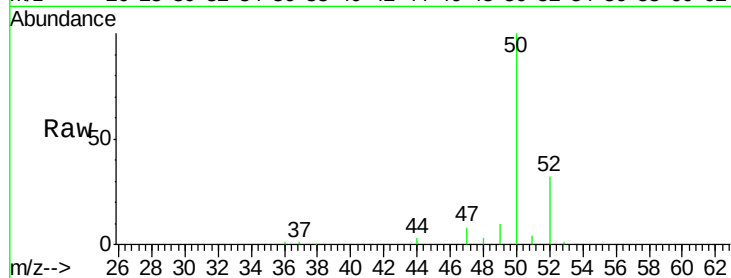
VSTDCCC050

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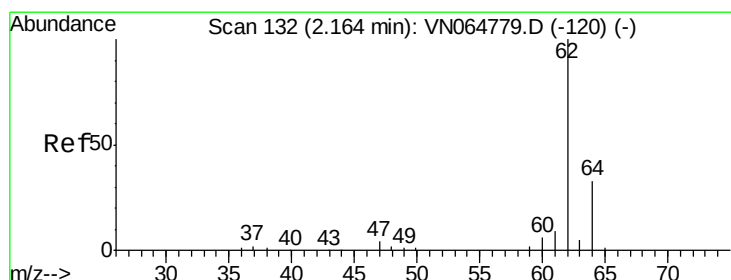
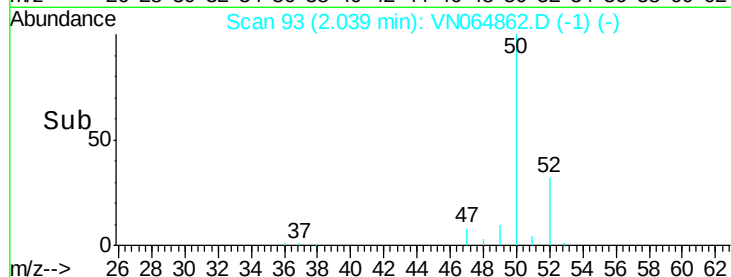
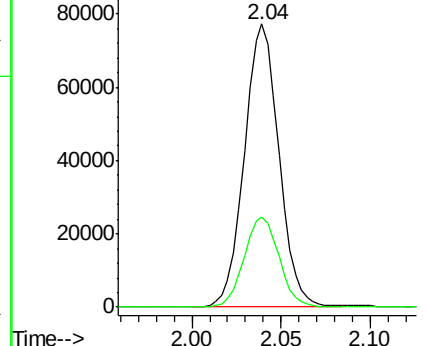
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 44.057 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064862.D

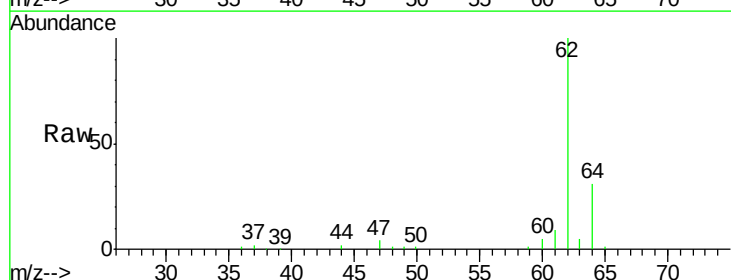
Acq: 30 Nov 2020 10:31

Tgt Ion: 62 Resp: 111401

Ion Ratio Lower Upper

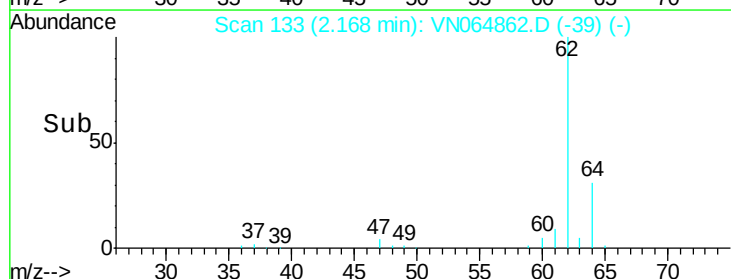
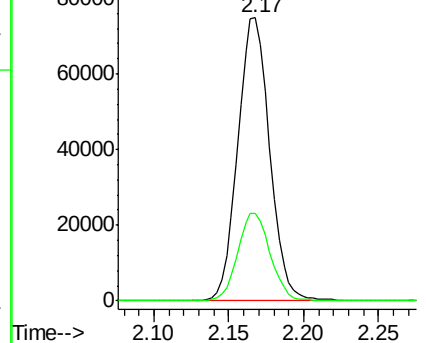
62 100

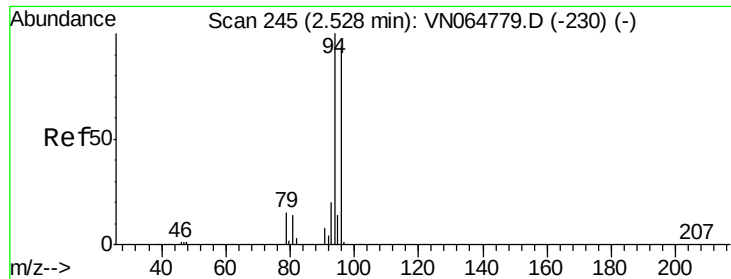
64 30.9 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 42.130 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 69891

Ion Ratio Lower Upper

94 100

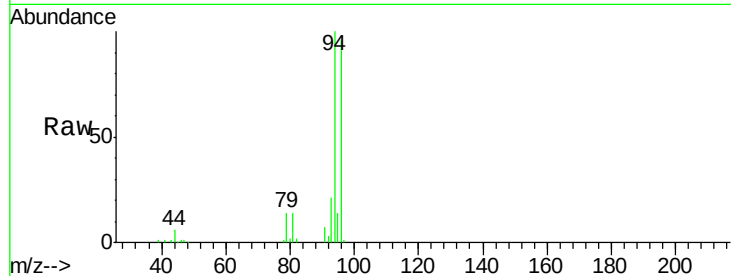
96 96.2 75.4 113.0

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

2.53

40000

30000

20000

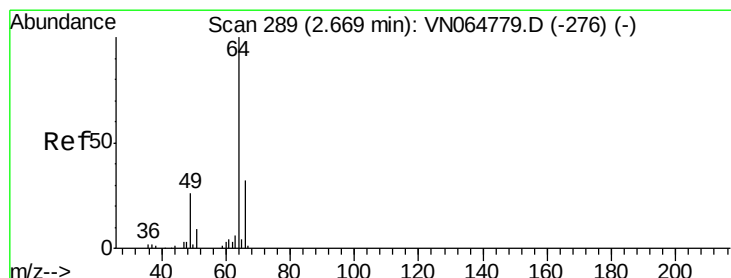
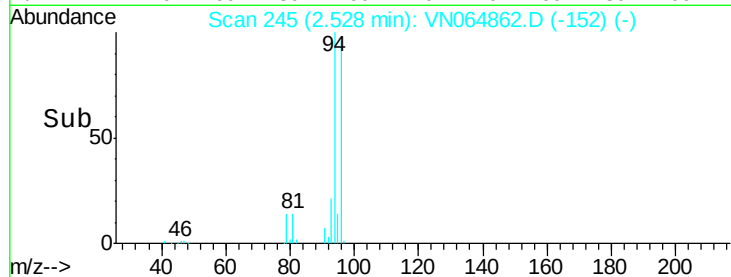
10000

0

Time-->

2.50

2.60



#6

Chloroethane

Concen: 45.264 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064862.D

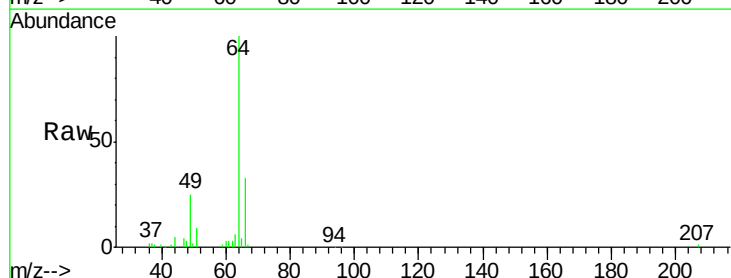
Acq: 30 Nov 2020 10:31

Tgt Ion: 64 Resp: 70790

Ion Ratio Lower Upper

64 100

66 33.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

40000

30000

20000

10000

0

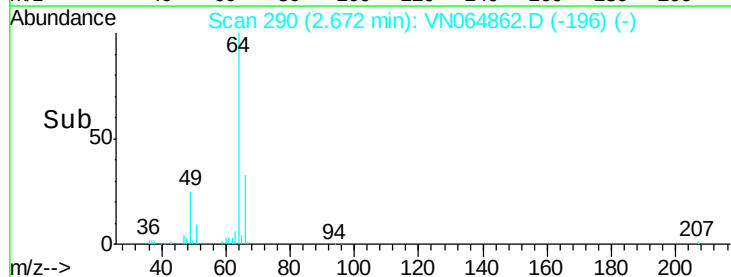
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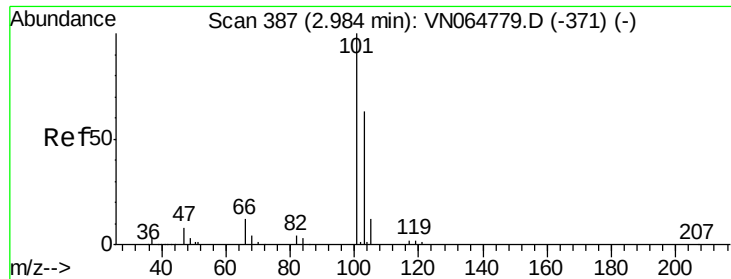
2.60

2.65

2.70

2.75





#7

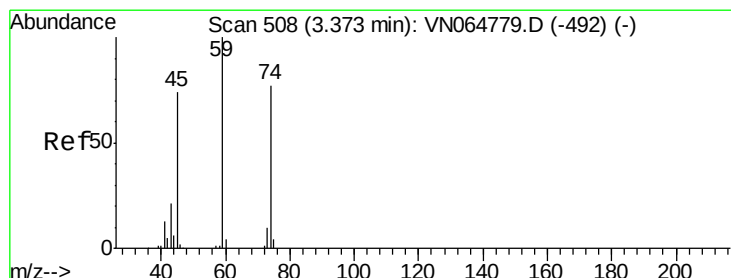
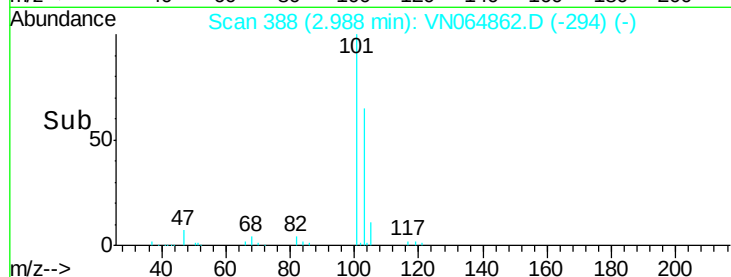
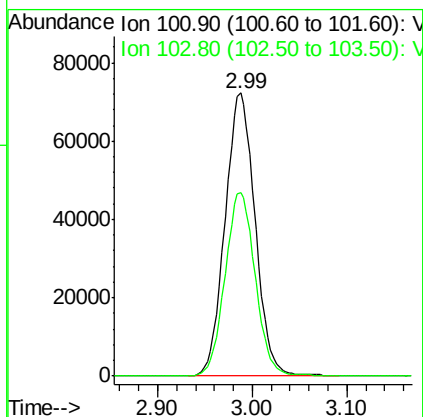
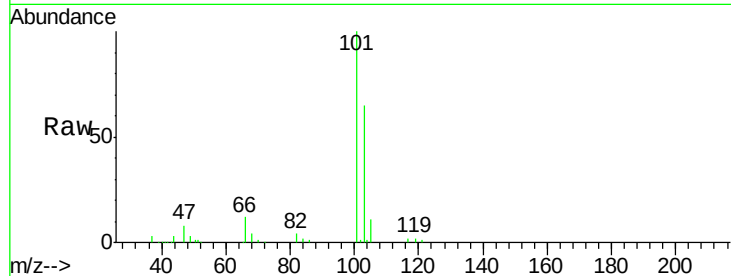
Trichlorofluoromethane
 Concen: 45.630 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Instrument :
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 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	50.5	75.7

Manual Integrations
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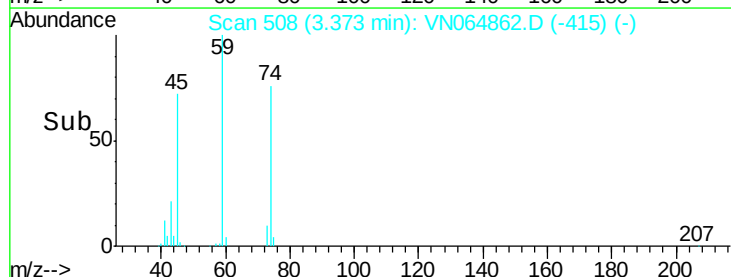
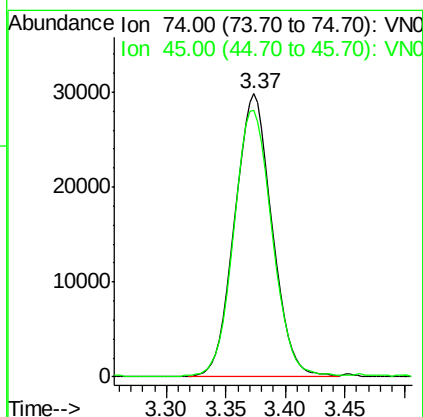
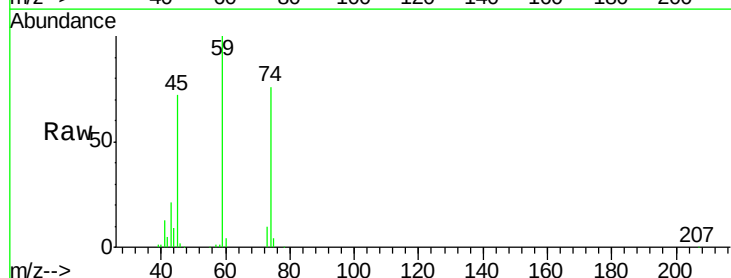
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 12/1/2020 9:34:59 AM

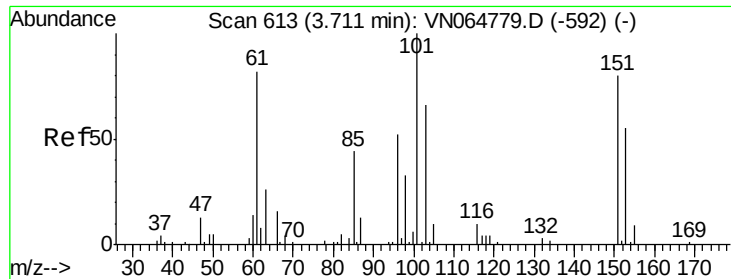


#8

Diethyl Ether
 Concen: 46.962 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.554 ug/l

RT: 3.71 min Scan# 614

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

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MSVOA_N

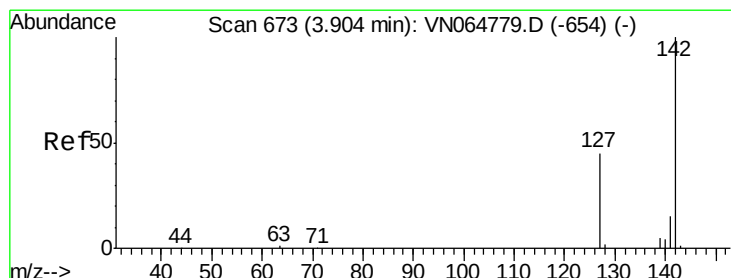
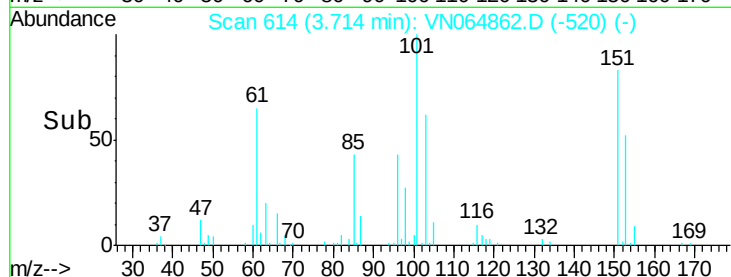
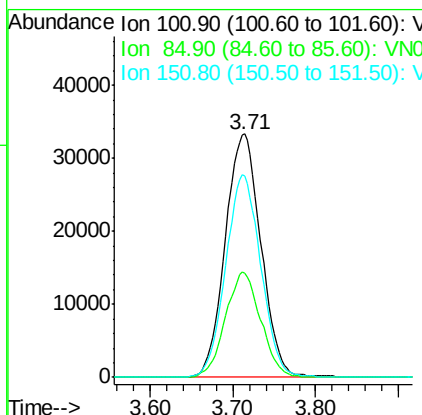
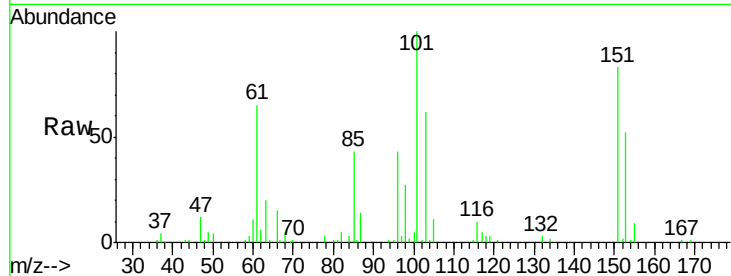
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	99710
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.4	51.6
151	82.0	64.0	96.0

Manual Integrations
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12/1/2020 9:34:59 AM



#10

Methyl Iodide

Concen: 43.295 ug/l

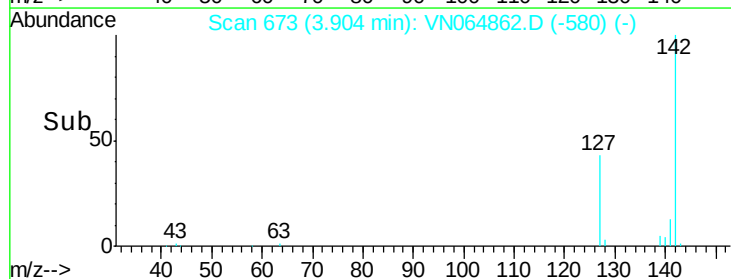
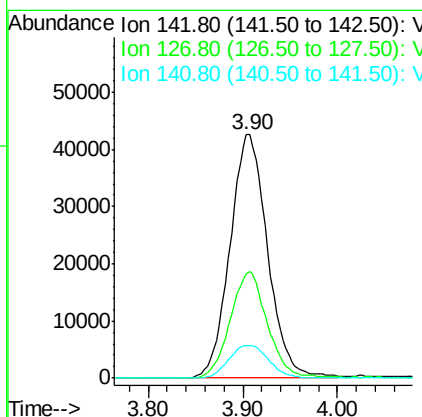
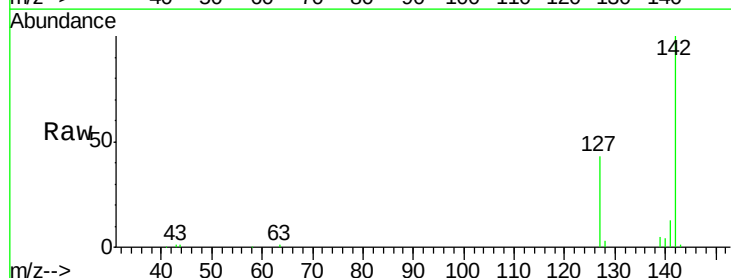
RT: 3.90 min Scan# 673

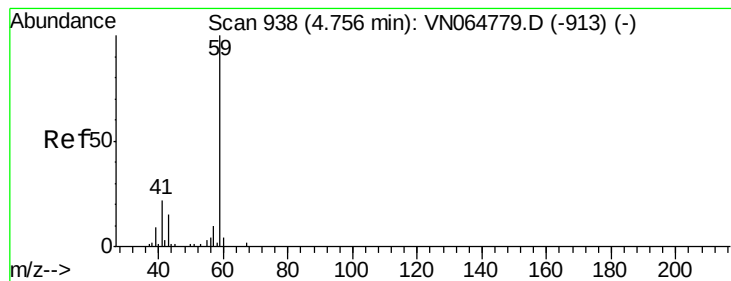
Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Tgt Ion:	142	Resp:	117748
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.0	52.6
141	14.1	11.8	17.6





#11

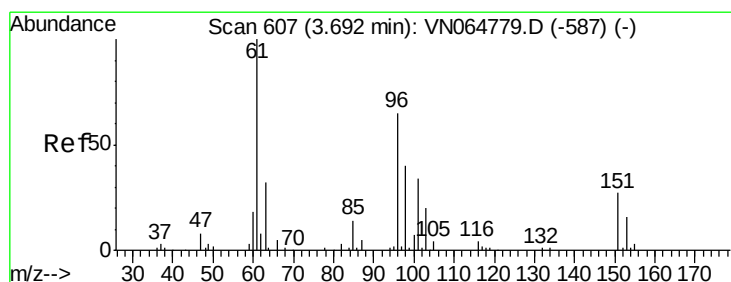
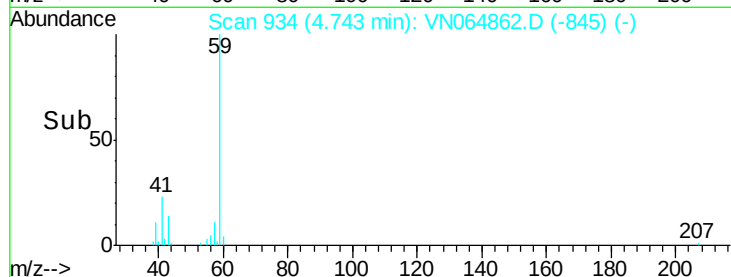
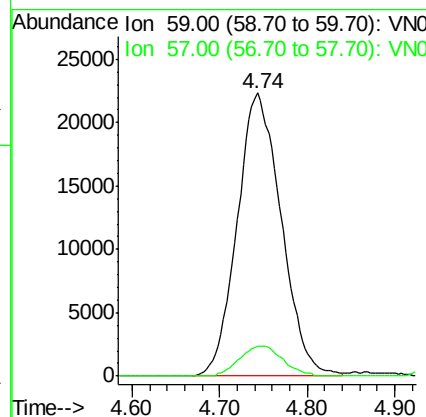
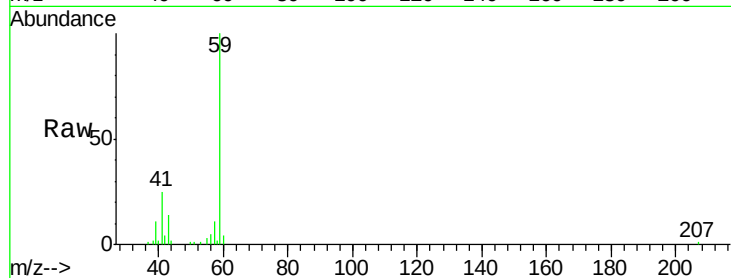
Tert butyl alcohol
Concen: 199.869 ug/l
RT: 4.74 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.9	11.9

Manual Integrations
APPROVED

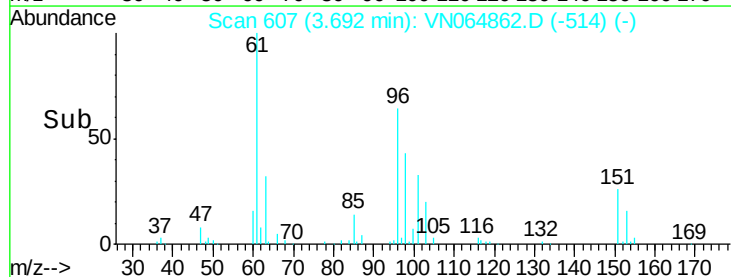
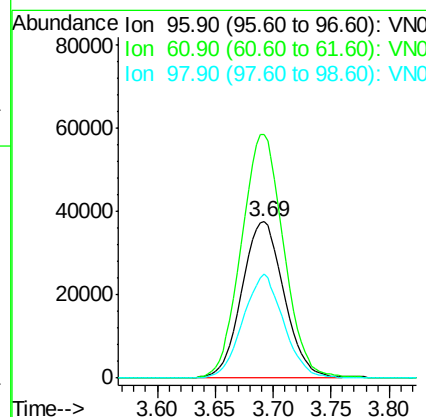
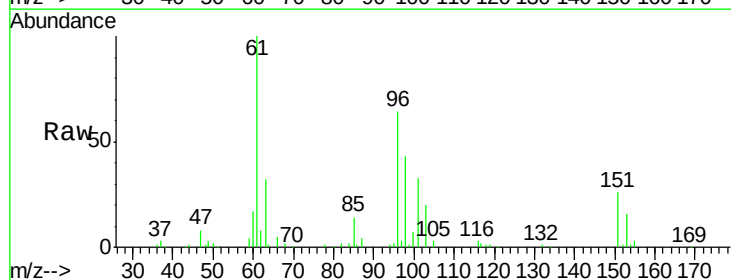
MMDadoda
12/1/2020 9:34:59 AM

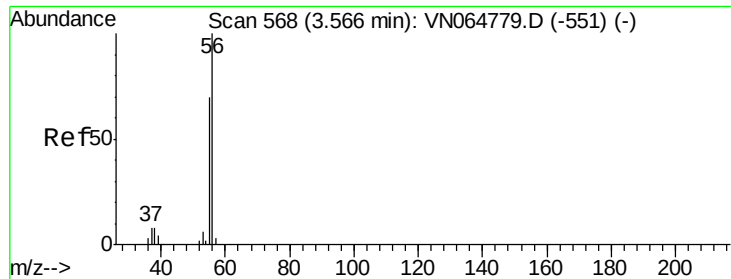


#12

1,1-Dichloroethene
Concen: 45.641 ug/l
RT: 3.69 min Scan# 607
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.7	123.4	185.2
98	66.2	49.8	74.8





#13

Acrolein

Concen: 166.847 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 39790

Ion Ratio Lower Upper

56 100

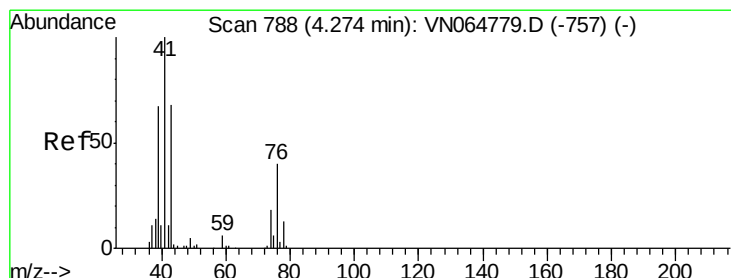
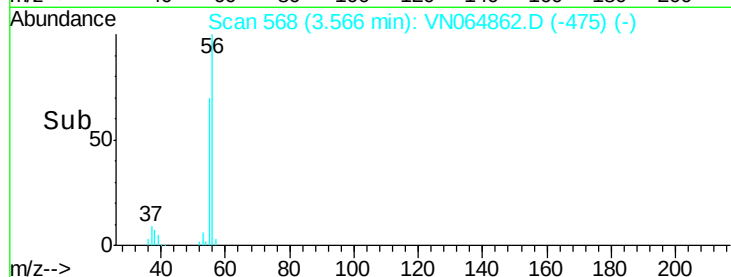
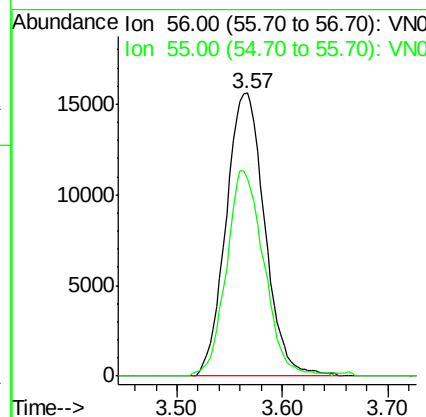
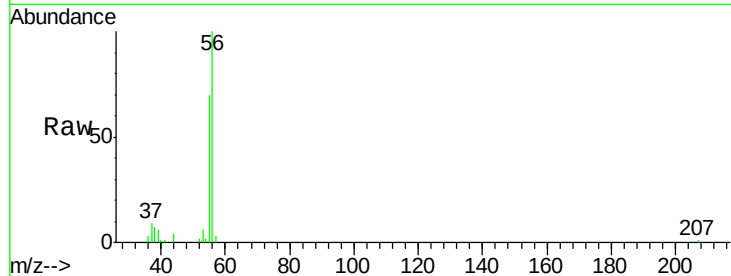
55 70.0 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

12/1/2020 9:34:59 AM



#14

Allyl chloride

Concen: 45.758 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

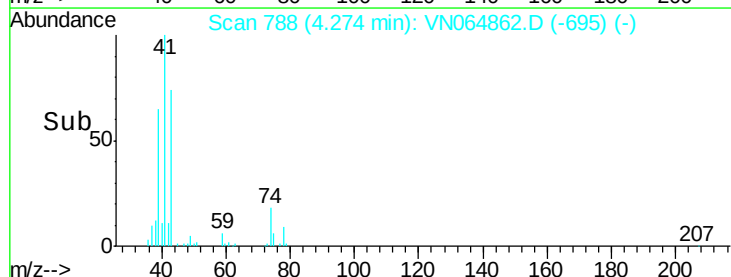
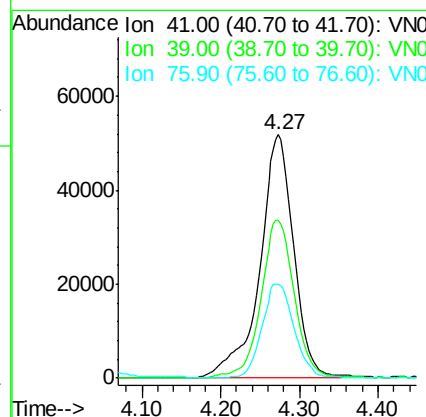
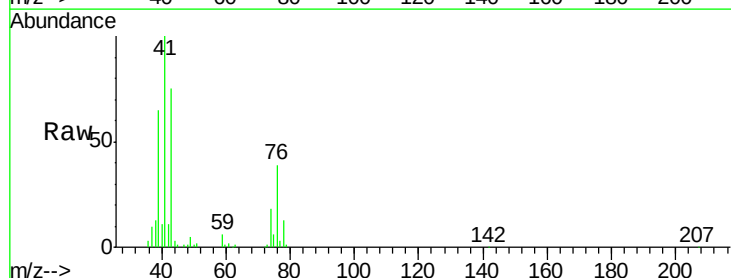
Tgt Ion: 41 Resp: 157599

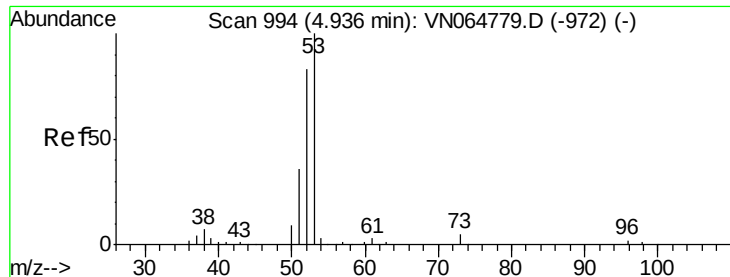
Ion Ratio Lower Upper

41 100

39 63.6 50.9 76.3

76 36.7 29.0 43.4





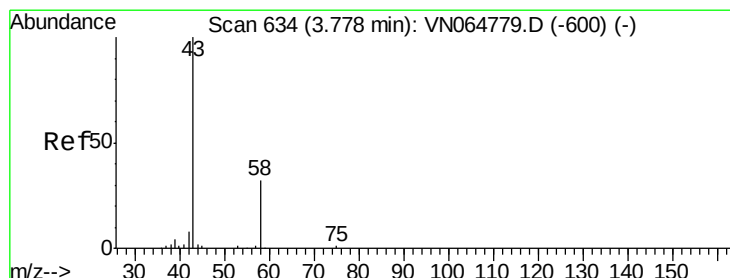
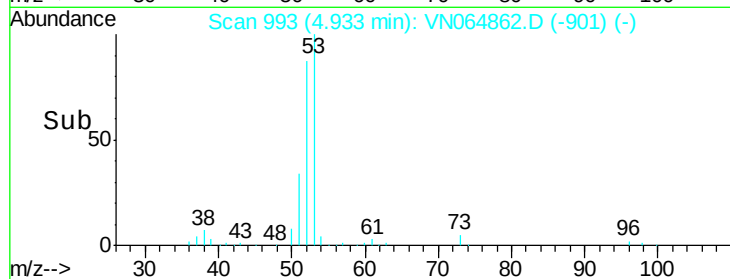
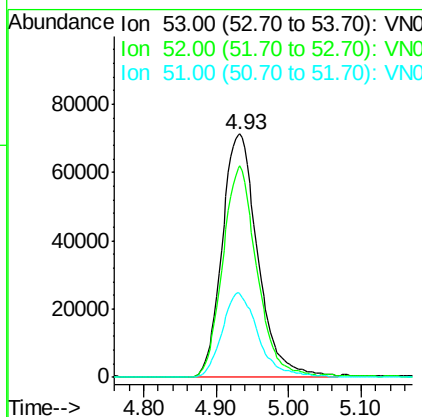
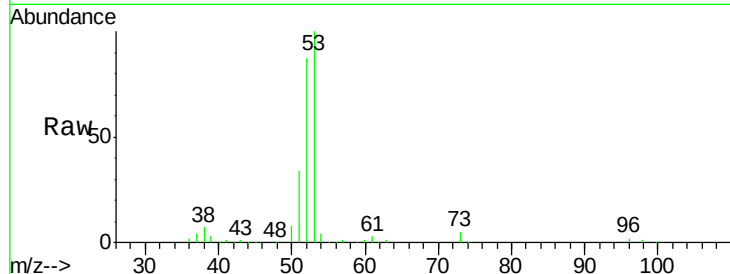
#15
 Acrylonitrile
 Concen: 226.118 ug/l
 RT: 4.93 min Scan# 993
 Delta R.T. -0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	243886
Ion	Ratio	Lower	Upper
53	100		
52	83.0	65.5	98.3
51	35.6	28.6	43.0

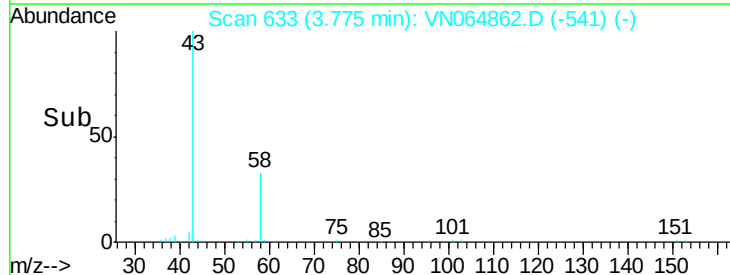
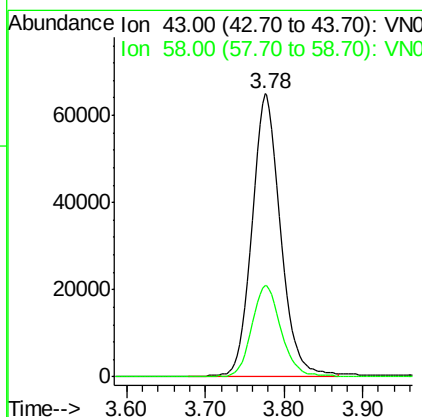
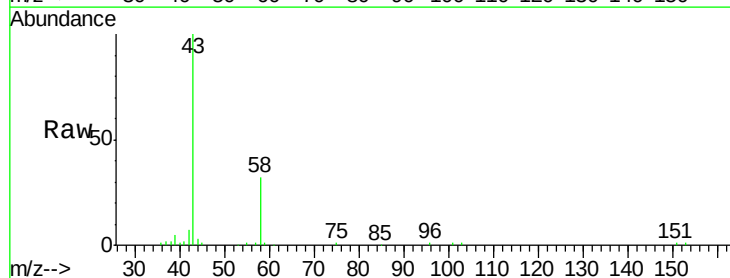
Manual Integrations
 APPROVED

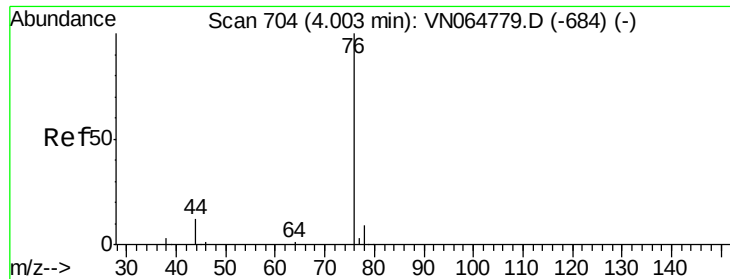
MMDadoda
 12/1/2020 9:34:59 AM



#16
 Acetone
 Concen: 204.690 ug/l
 RT: 3.78 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Tgt Ion:	43	Resp:	168456
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.7	38.5





#17

Carbon Disulfide

Concen: 45.538 ug/l

RT: 4.00 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 245524

Ion Ratio Lower Upper

76 100

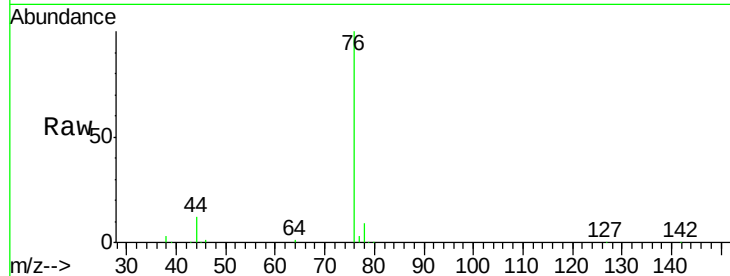
78 9.2 7.4 11.0

Manual Integrations

APPROVED

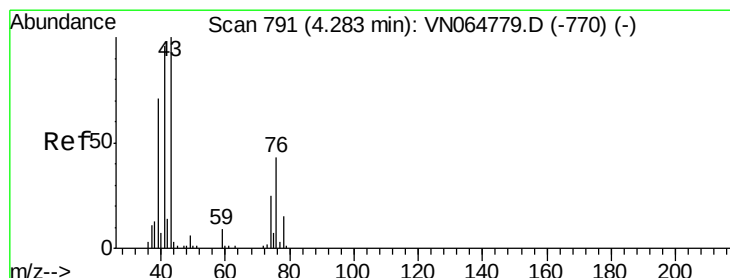
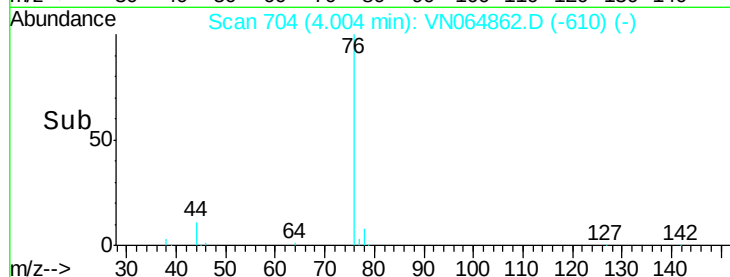
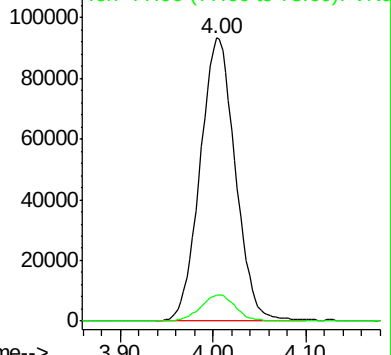
MMDadoda

12/1/2020 9:34:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 45.354 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN064862.D

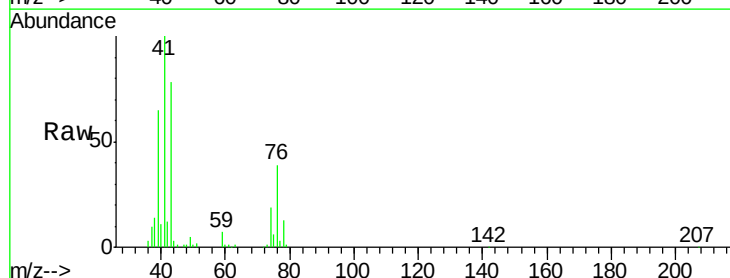
Acq: 30 Nov 2020 10:31

Tgt Ion: 43 Resp: 112222

Ion Ratio Lower Upper

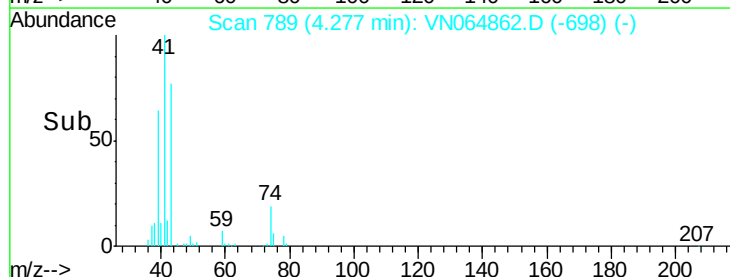
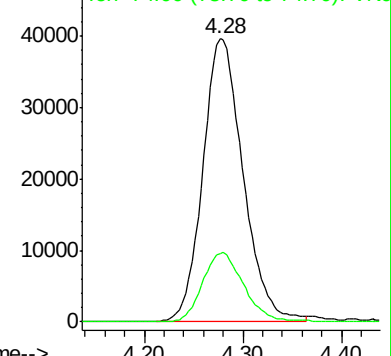
43 100

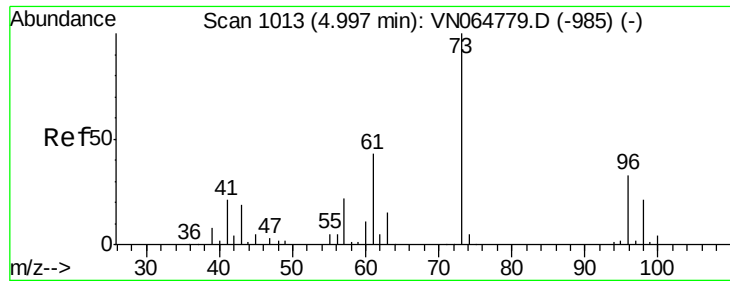
74 24.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





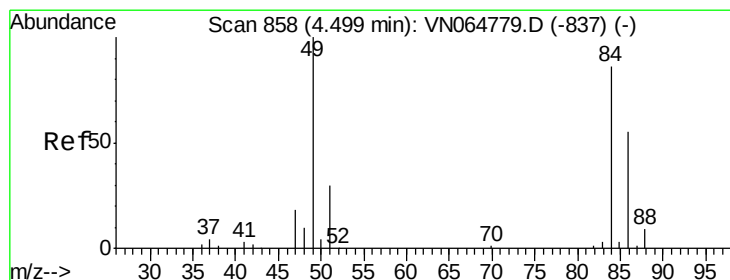
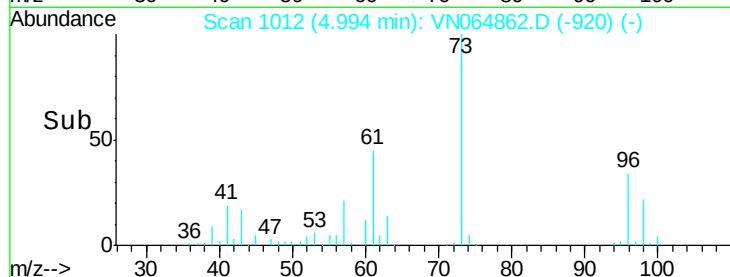
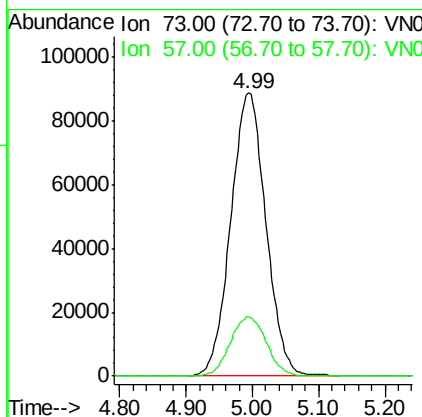
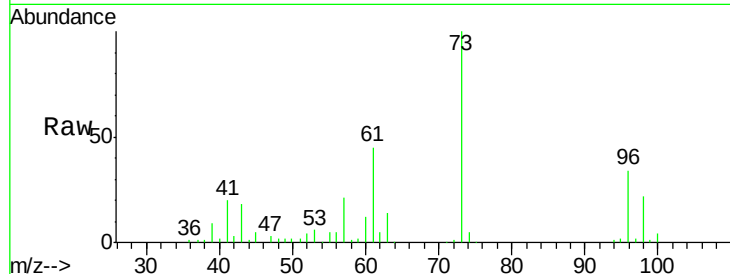
#19
Methyl tert-butyl Ether
Concen: 48.790 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 73 Resp: 326760
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.0

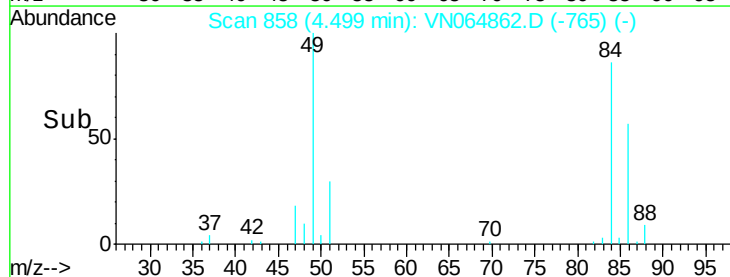
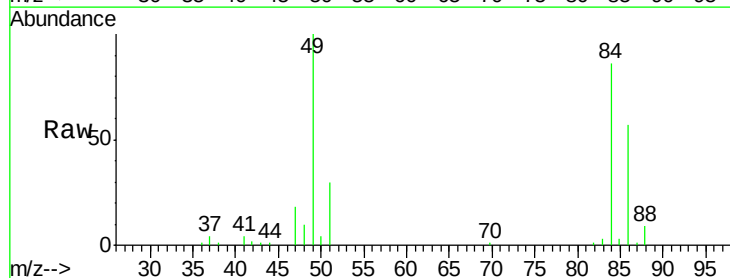
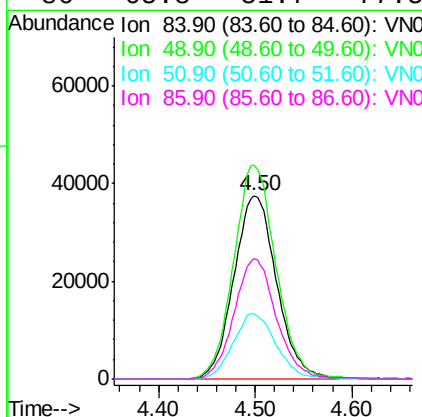
Manual Integrations
APPROVED

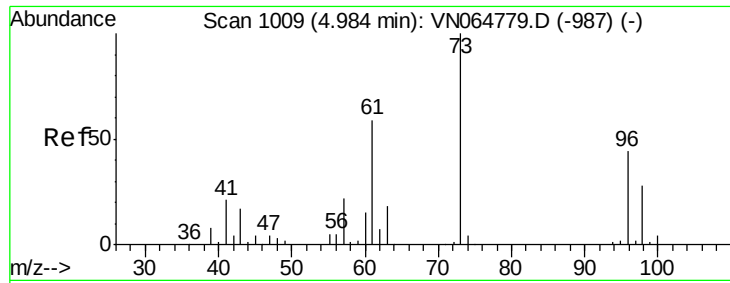
MMDadoda
12/1/2020 9:34:59 AM



#20
Methylene Chloride
Concen: 44.586 ug/l
RT: 4.50 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion: 84 Resp: 114980
Ion Ratio Lower Upper
84 100
49 116.4 93.4 140.0
51 35.4 28.2 42.4
86 65.8 51.7 77.5





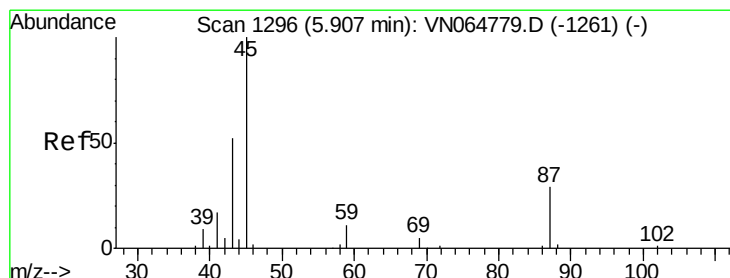
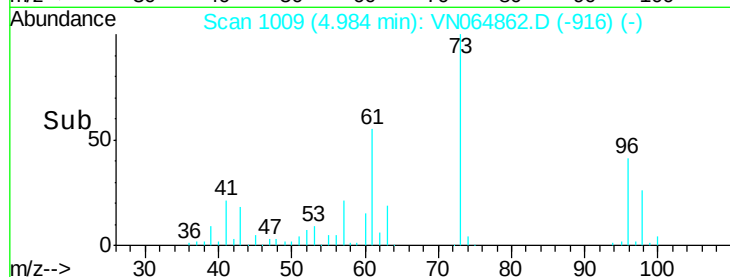
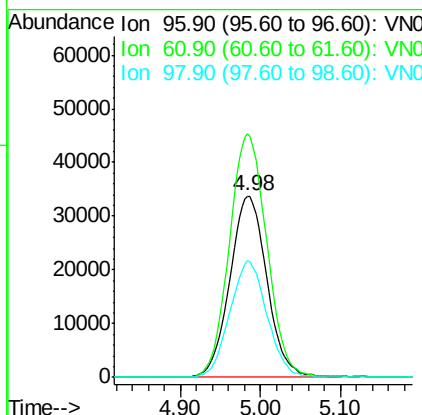
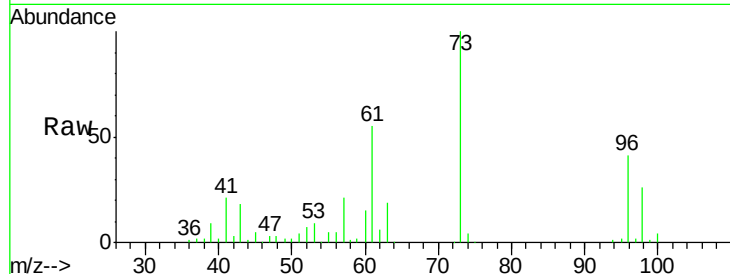
#21
trans-1,2-Dichloroethene
Concen: 45.906 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.1	108.4	162.6
98	64.5	51.3	76.9

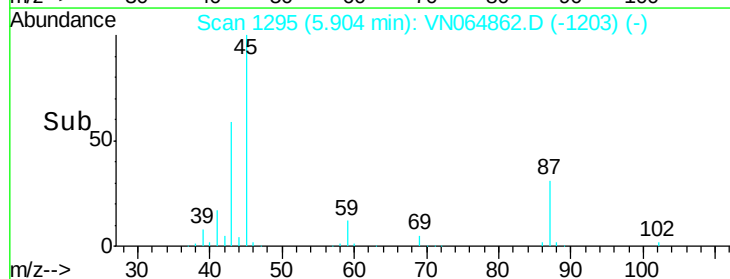
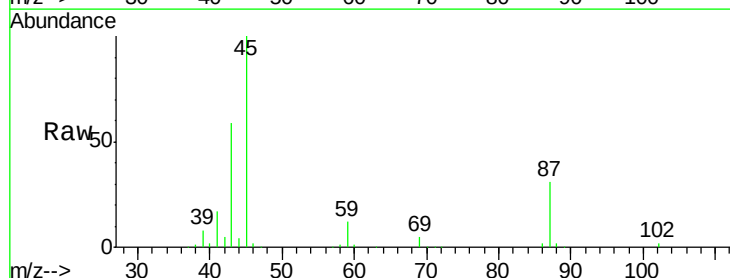
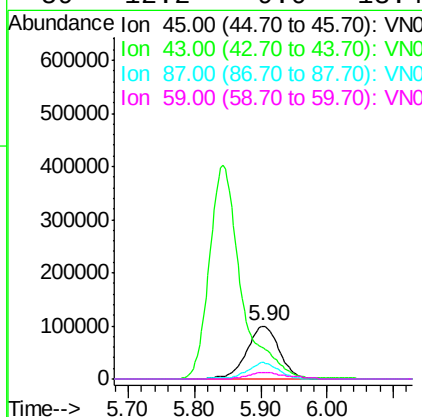
Manual Integrations
APPROVED

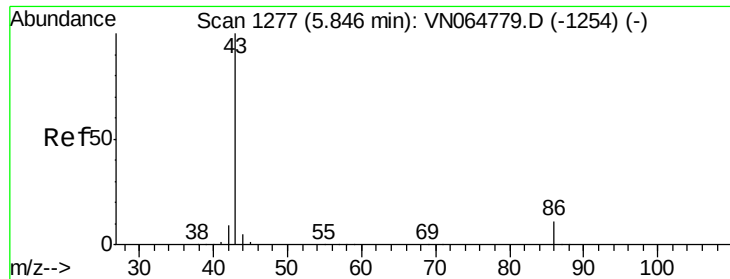
MMDadoda
12/1/2020 9:34:59 AM



#22
Diisopropyl ether
Concen: 49.057 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.7	46.2	69.2
87	31.0	24.1	36.1
59	12.2	9.0	13.4





#23

Vinyl Acetate

Concen: 243.056 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1339908

Ion Ratio Lower Upper

43 100

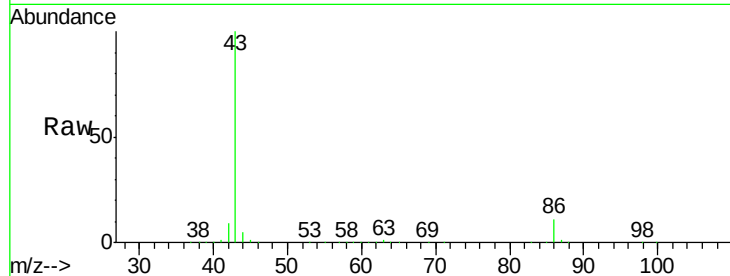
86 11.2 8.9 13.3

Manual Integrations

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MMDadoda

12/1/2020 9:34:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN064779.D (-1254) (-)

5.84

400000

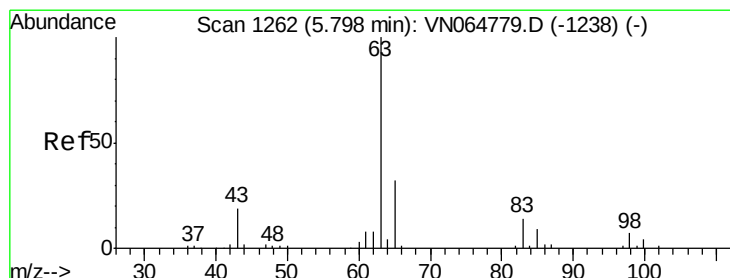
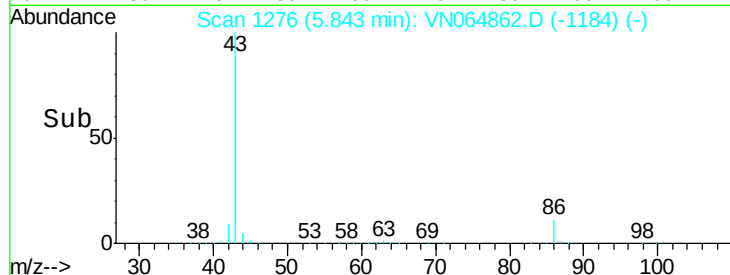
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 47.310 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

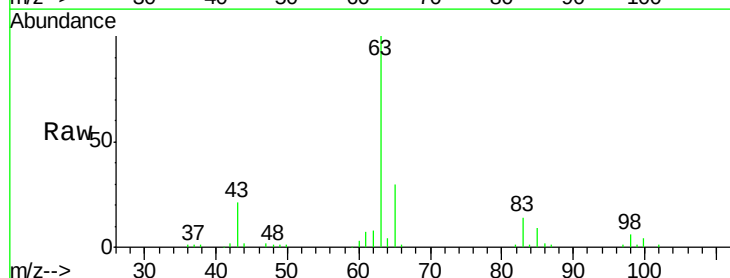
Tgt Ion: 63 Resp: 194912

Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.5

100 4.2 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN064779.D (-1238) (-)

Ion 97.90 (97.60 to 98.60): VN064779.D (-1238) (-)

Ion 99.90 (99.60 to 100.60): VN064779.D (-1238) (-)

5.79

80000

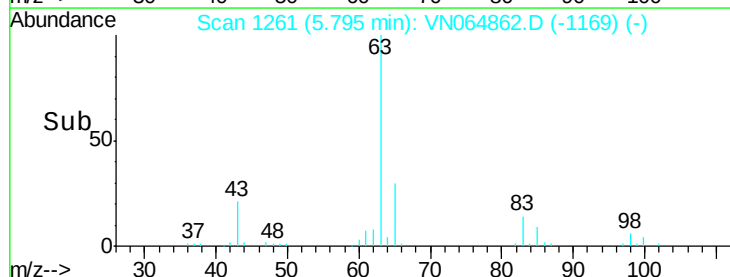
60000

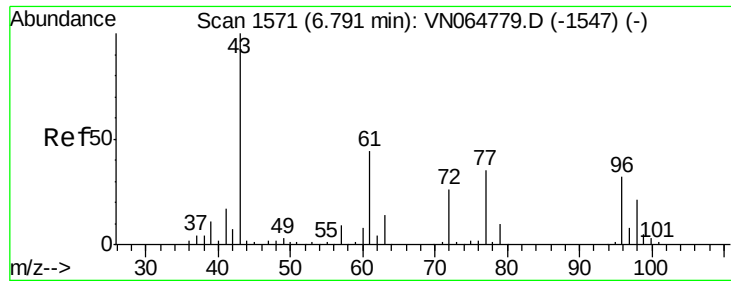
40000

20000

0

Time-->





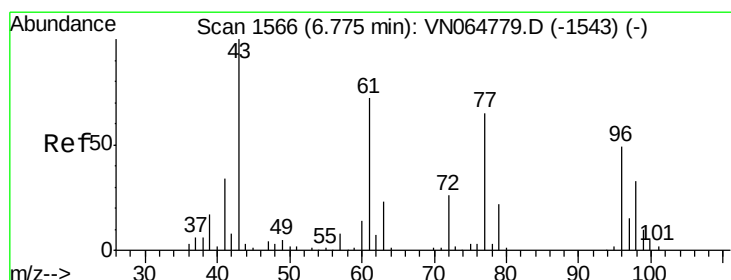
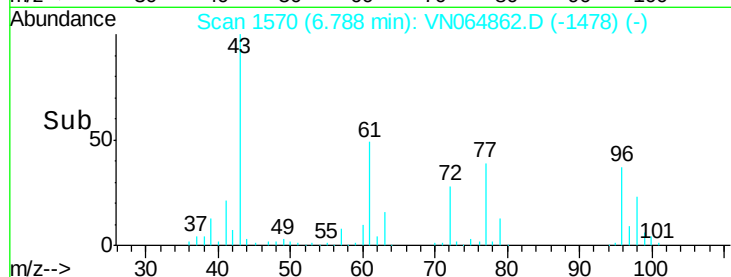
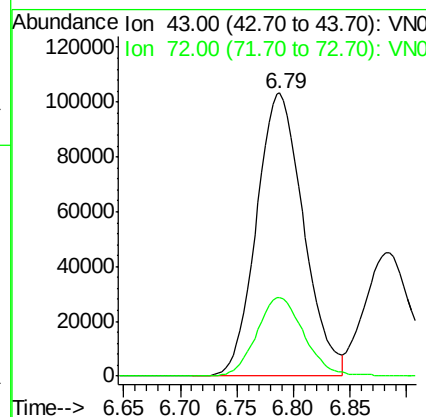
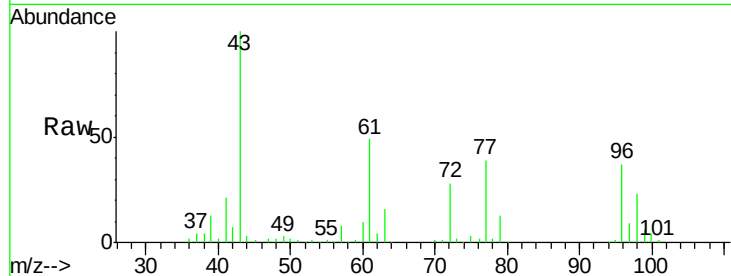
#25
2-Butanone
Concen: 223.285 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 297883
Ion Ratio Lower Upper
43 100
72 27.8 21.0 31.6

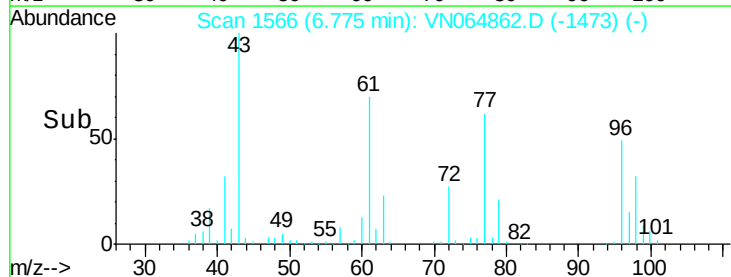
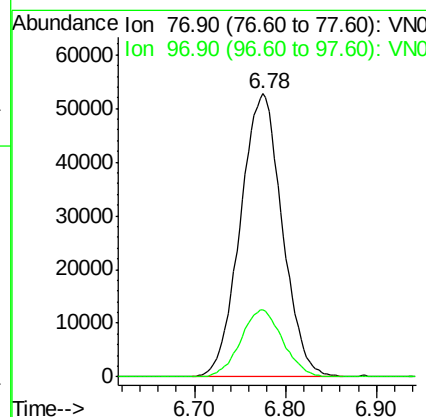
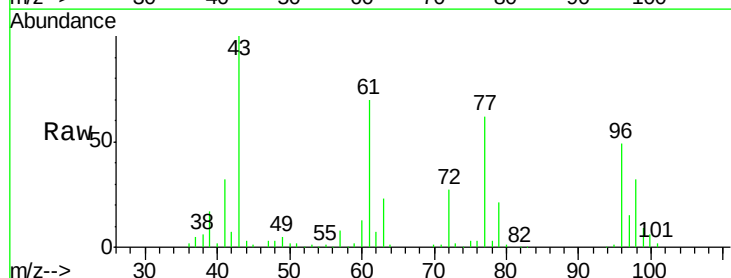
Manual Integrations
APPROVED

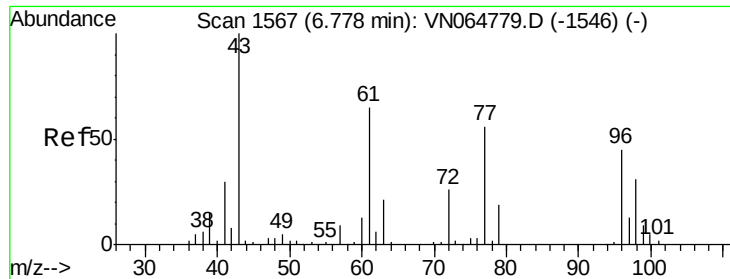
MMDadoda
12/1/2020 9:34:59 AM



#26
2,2-Dichloropropane
Concen: 47.114 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion: 77 Resp: 168350
Ion Ratio Lower Upper
77 100
97 23.7 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 47.485 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

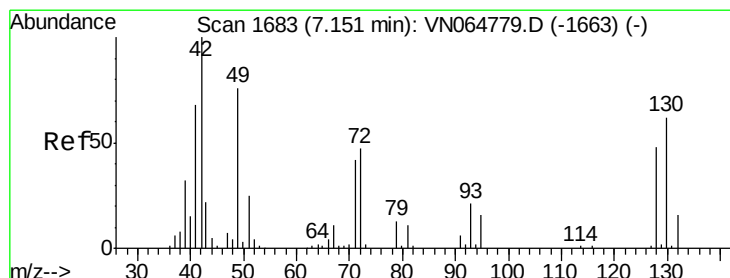
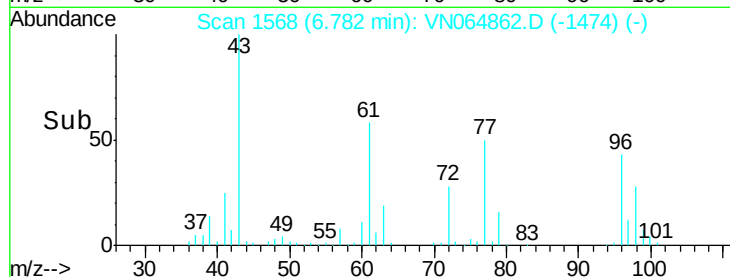
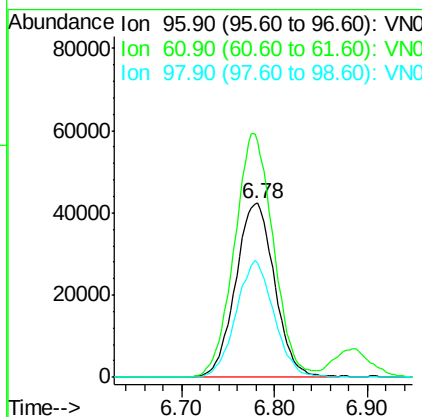
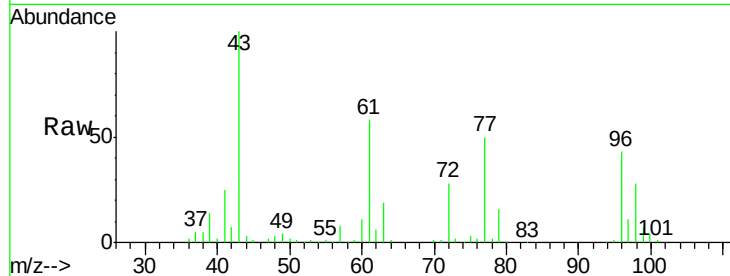
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	123908
Ion	Ratio	Lower	Upper
96	100		
61	139.8	0.0	285.8
98	64.9	0.0	130.6

Manual Integrations
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#28

Bromochloromethane

Concen: 44.073 ug/l

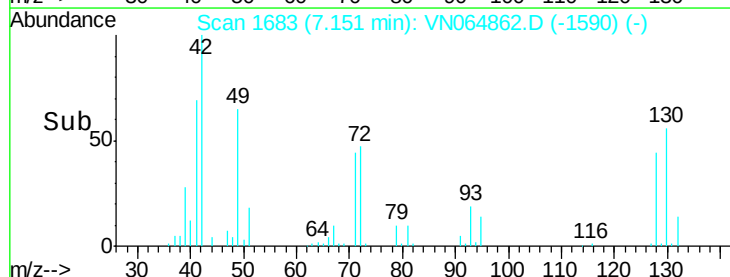
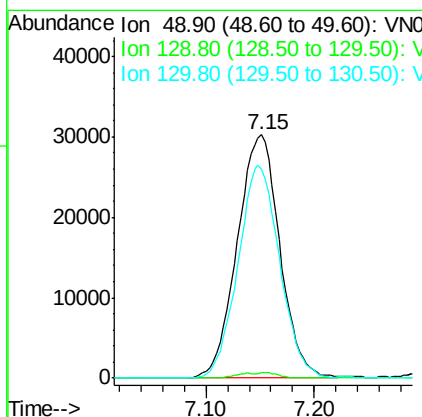
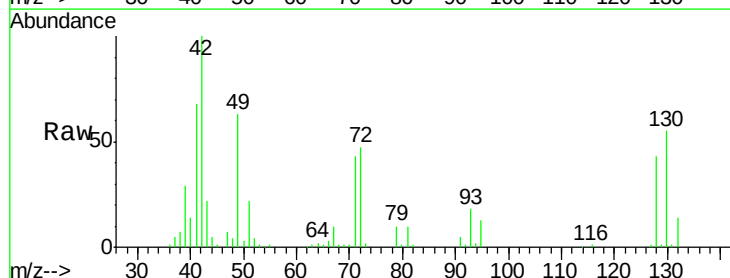
RT: 7.15 min Scan# 1683

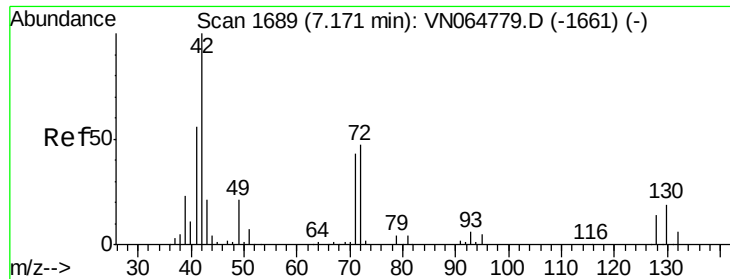
Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Tgt Ion:	49	Resp:	83067
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.8
130	85.6	66.2	99.2





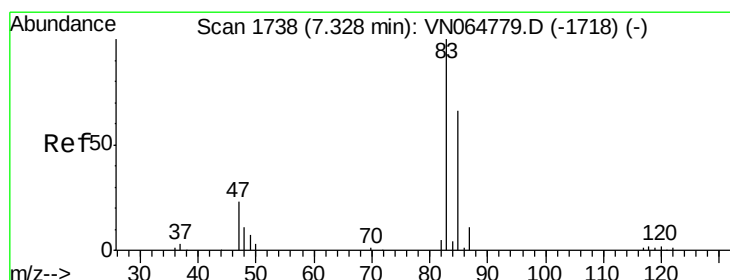
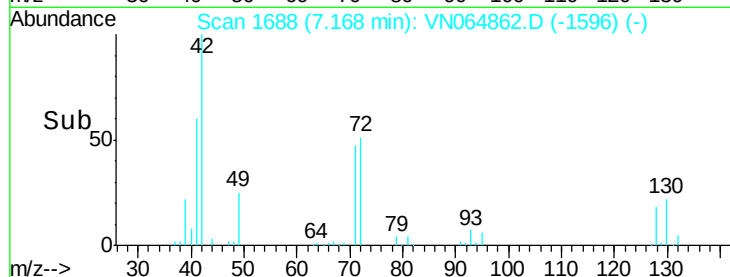
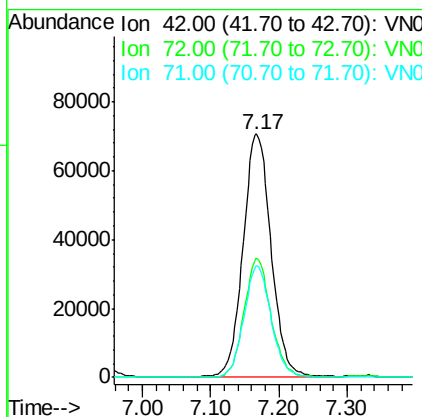
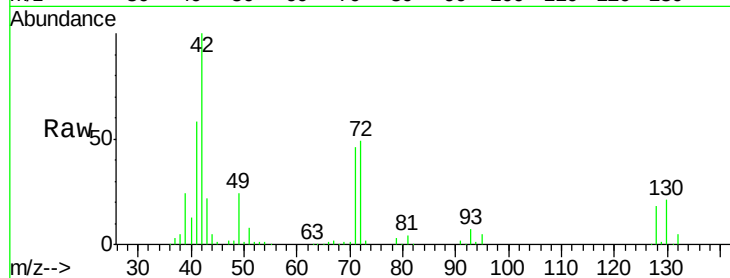
#29
Tetrahydrofuran
Concen: 220.276 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	36.6	54.8
71	44.0	33.6	50.4

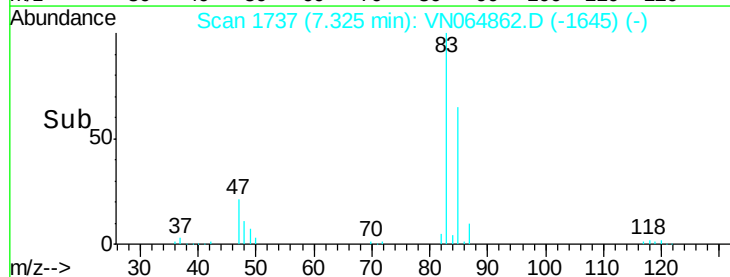
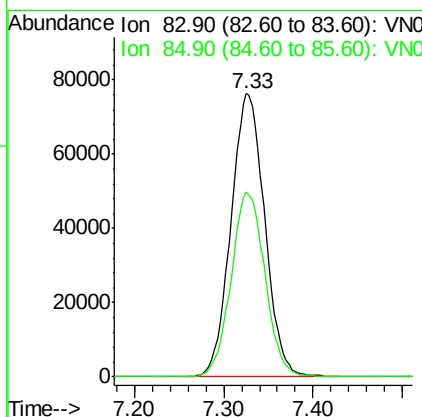
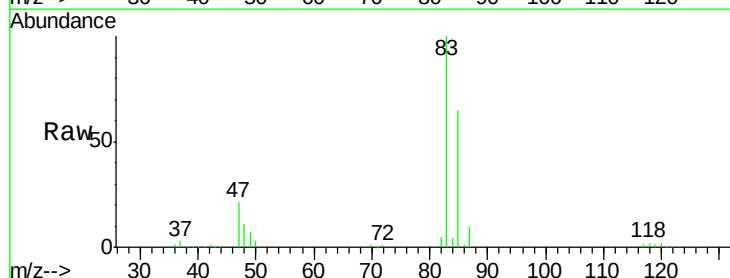
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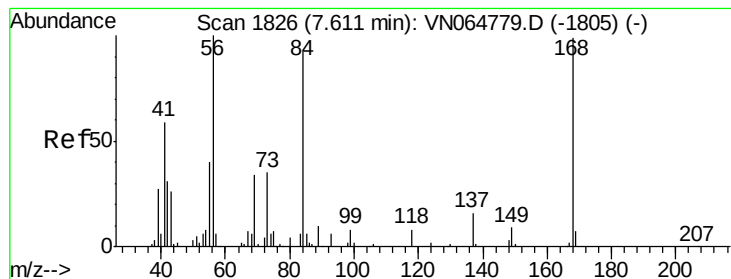
MMDadoda
12/1/2020 9:34:59 AM



#30
Chloroform
Concen: 47.108 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.6	78.8





#31

Cyclohexane

Concen: 45.691 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 159429

Ion Ratio Lower Upper

56 100

69 32.8 27.5 41.3

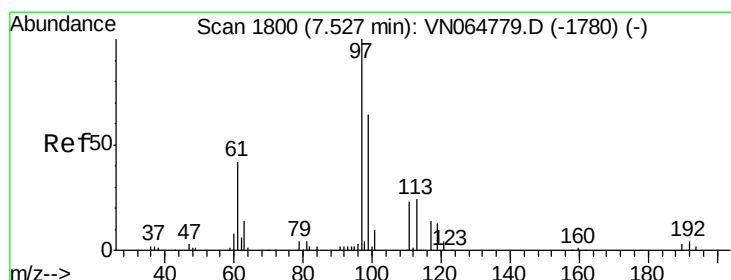
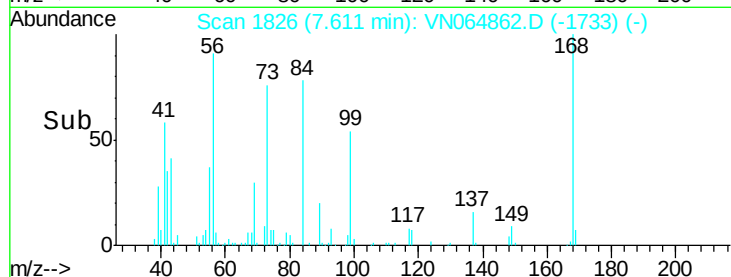
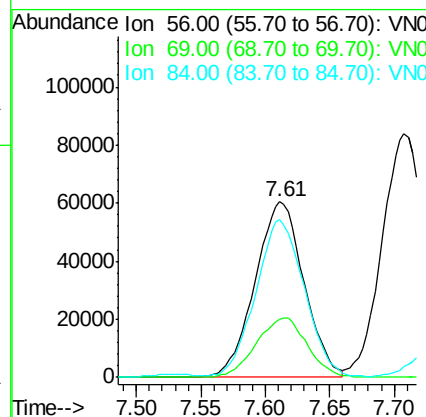
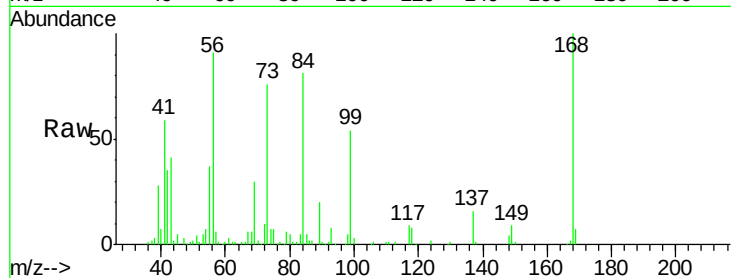
84 88.6 73.9 110.9

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 46.669 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

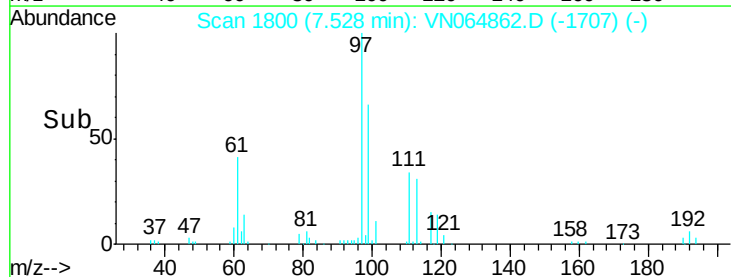
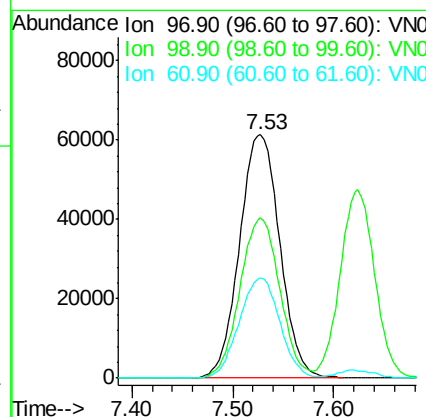
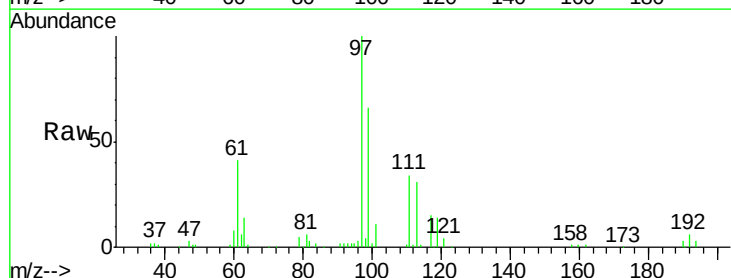
Tgt Ion: 97 Resp: 170297

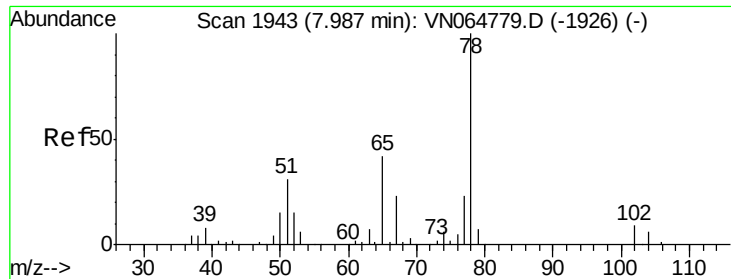
Ion Ratio Lower Upper

97 100

99 65.2 51.7 77.5

61 41.6 33.9 50.9





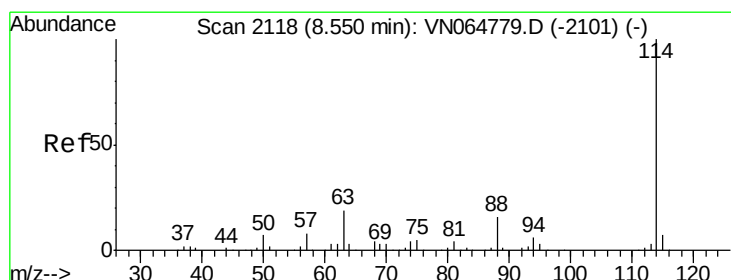
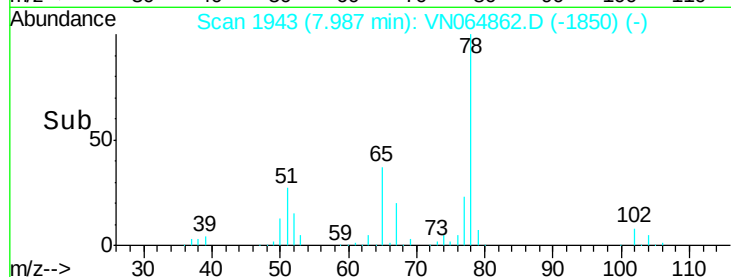
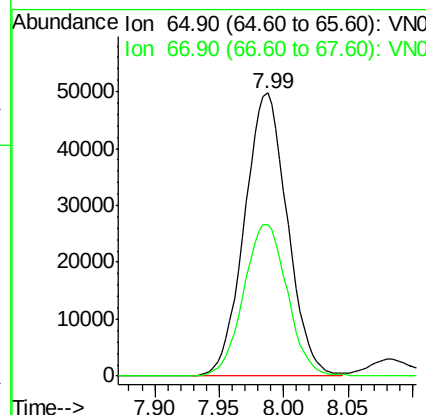
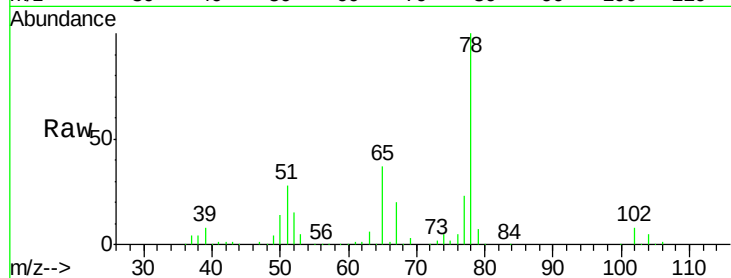
#33
 1,2-Dichloroethane-d4
 Concen: 46.190 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	108.2	

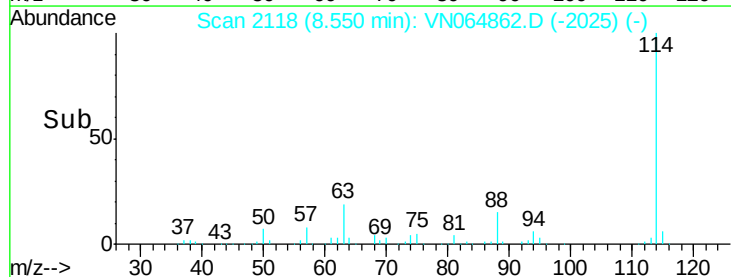
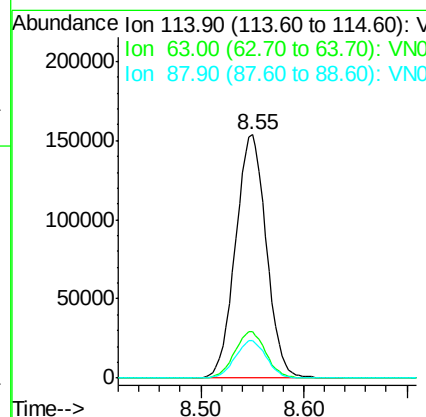
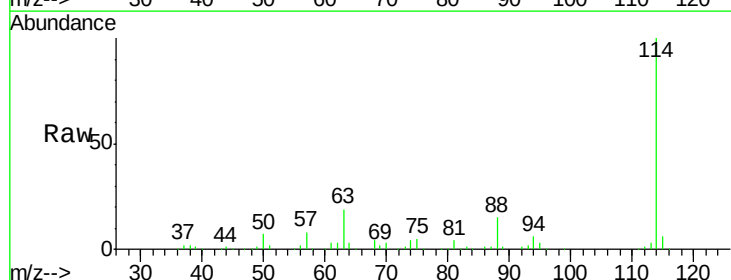
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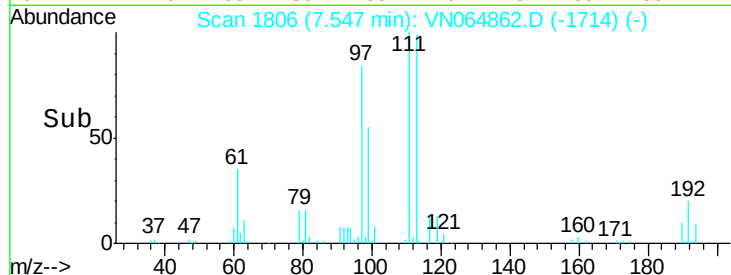
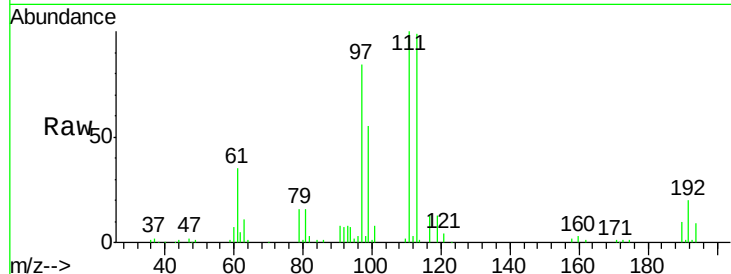
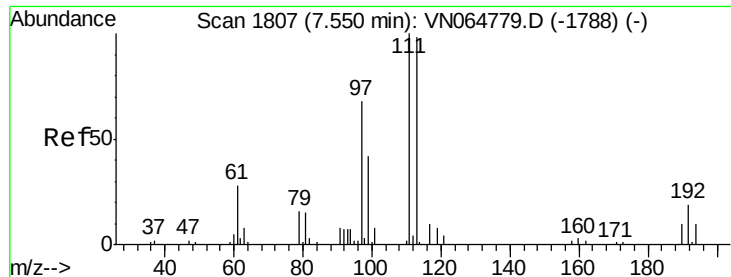
MMDadoda
 12/1/2020 9:34:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.9	0.0	38.6	
88	15.4	0.0	32.6	





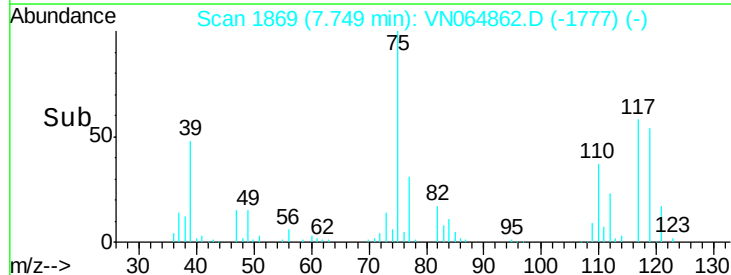
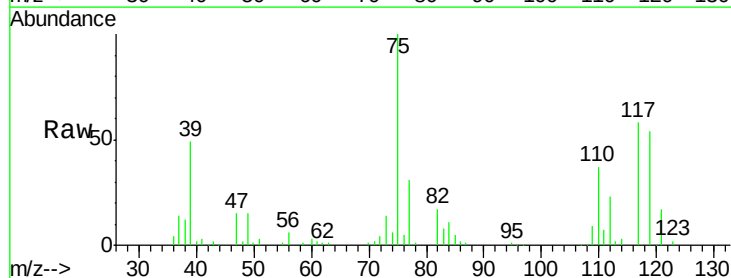
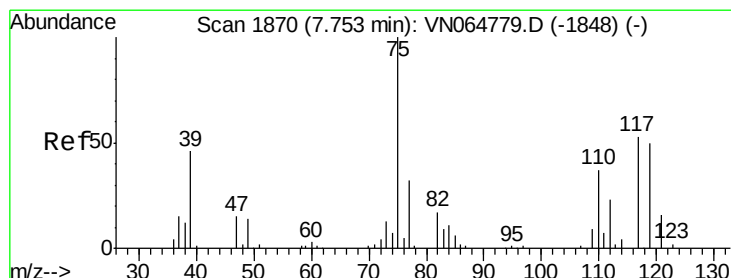
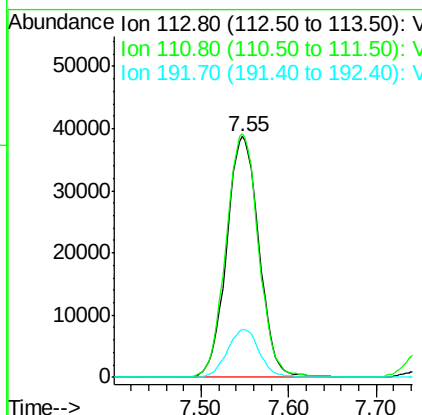
#35
Dibromofluoromethane
Concen: 51.986 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.6	122.4
192	19.6	16.2	24.2

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

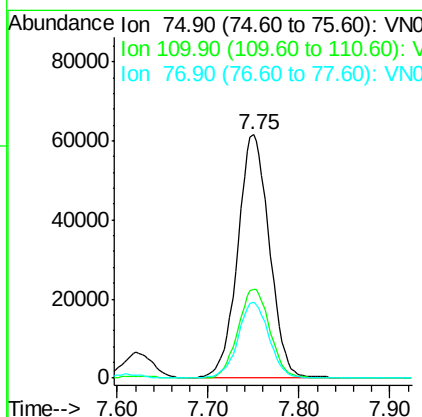
Manual Integrations
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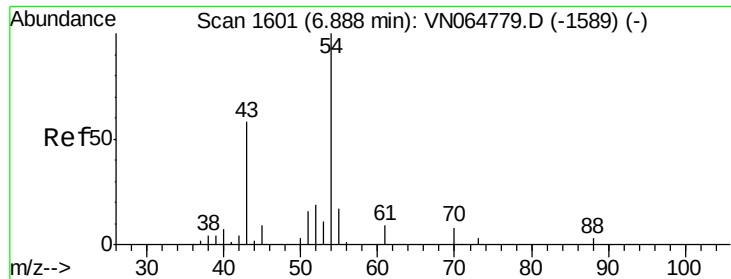
MMDadoda
12/1/2020 9:34:59 AM



#36
1,1-Dichloropropene
Concen: 50.211 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.6	17.8	53.3
77	30.4	25.0	37.4





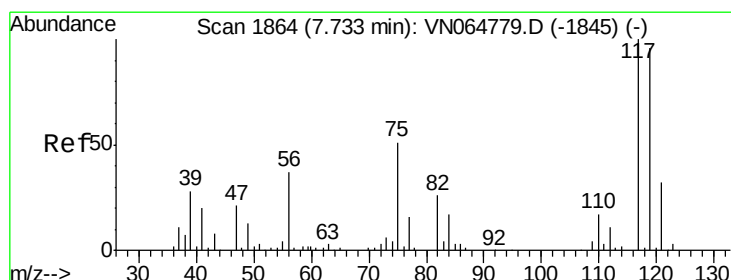
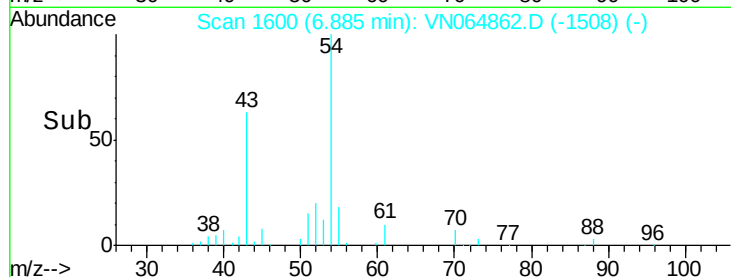
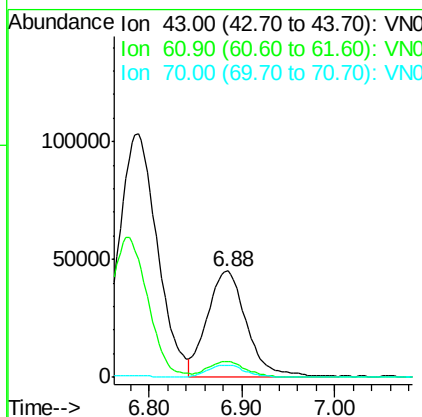
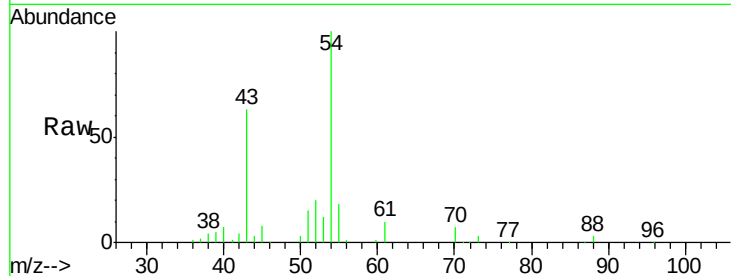
#37
Ethyl Acetate
Concen: 45.942 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.8	19.2
70	11.2	8.8	13.2

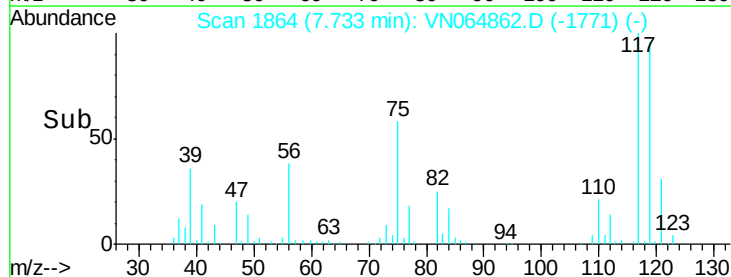
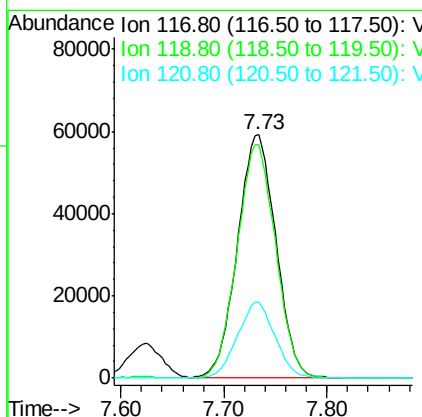
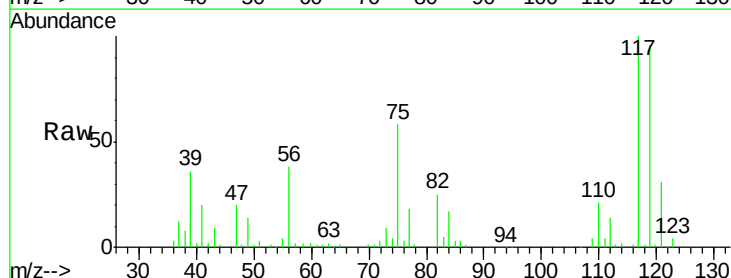
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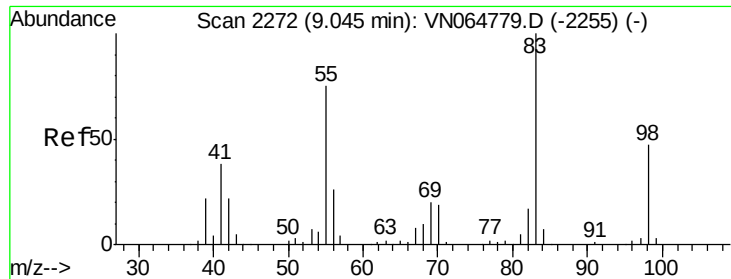
MMDadoda
12/1/2020 9:34:59 AM



#38
Carbon Tetrachloride
Concen: 49.877 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.7	115.1
121	31.2	25.4	38.2





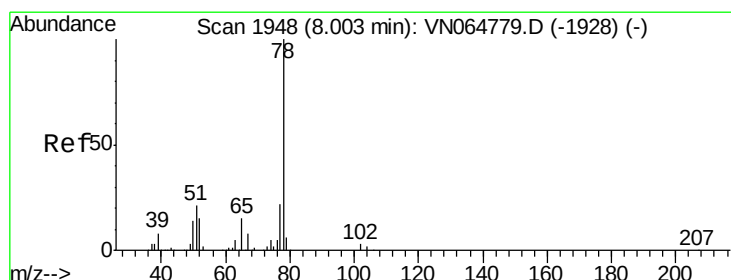
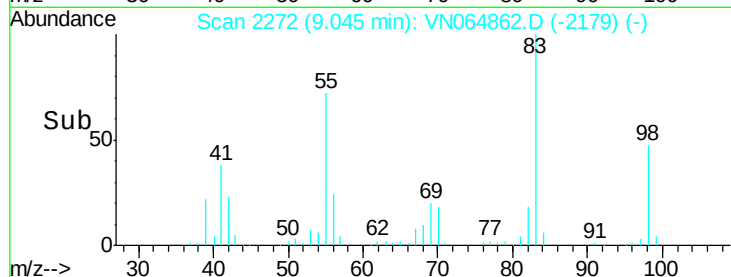
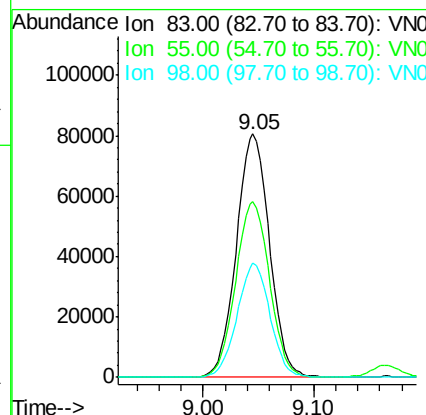
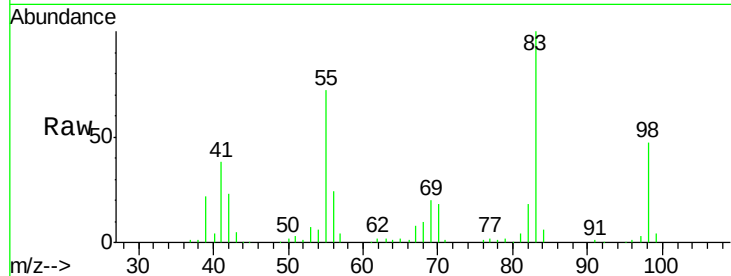
#39
Methylvlcyclohexane
Concen: 52.641 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	60.2	90.2
98	47.0	37.4	56.2

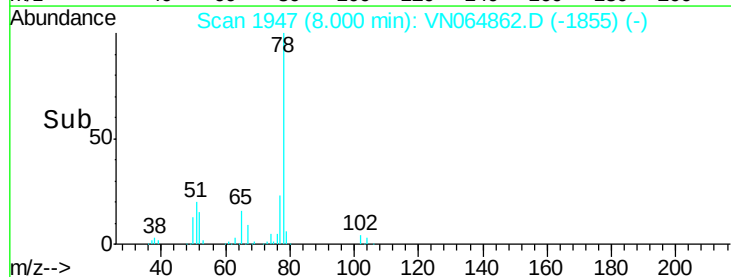
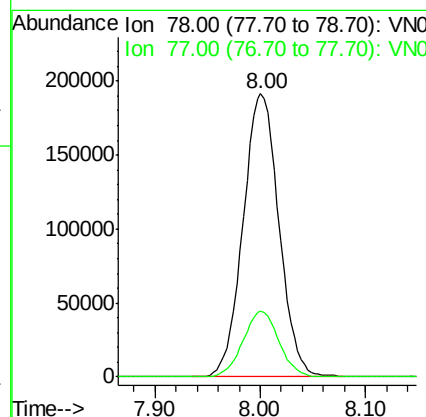
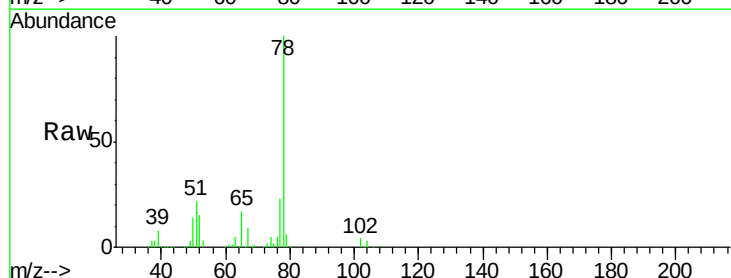
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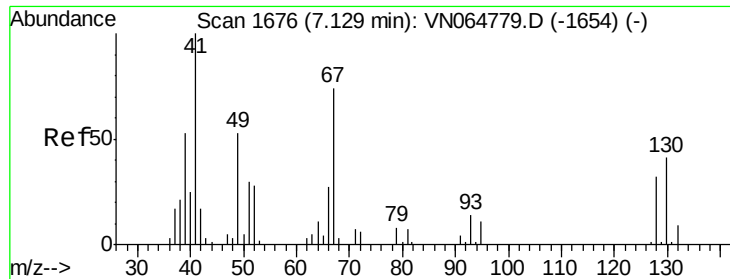
MMDadoda
12/1/2020 9:34:59 AM



#40
Benzene
Concen: 49.822 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	17.9	26.9





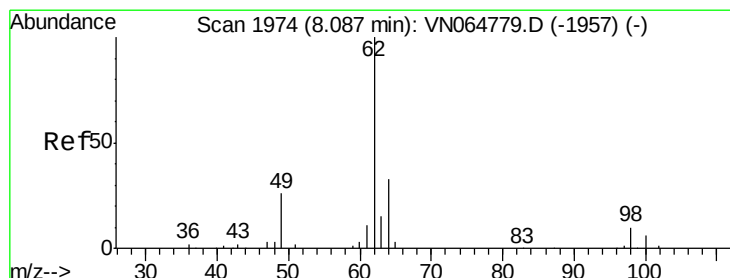
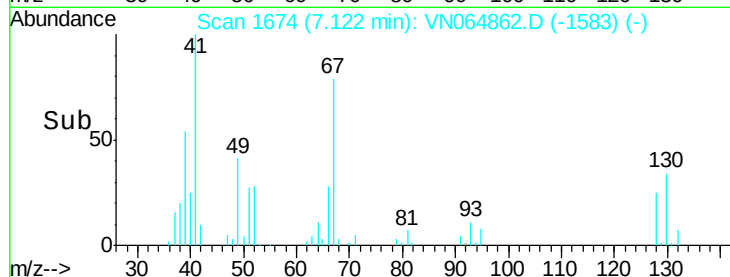
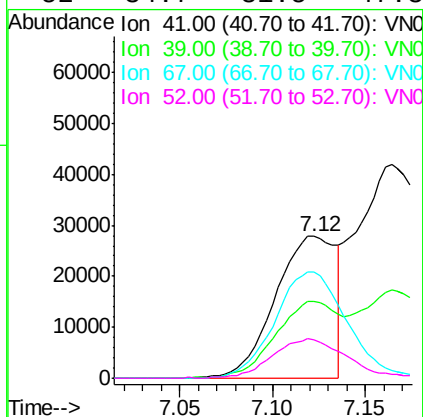
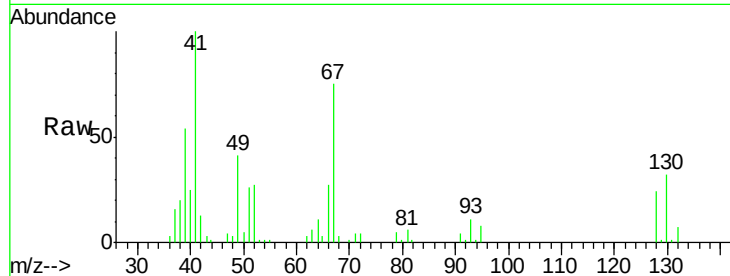
#41
Methacrylonitrile
Concen: 48.067 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.01 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	56.7	51.0	76.6
67	89.3	79.8	119.8
52	34.7	31.5	47.3

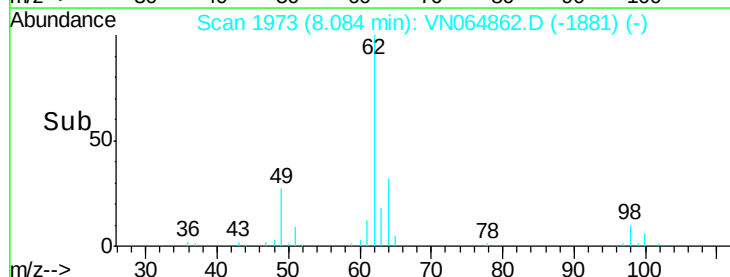
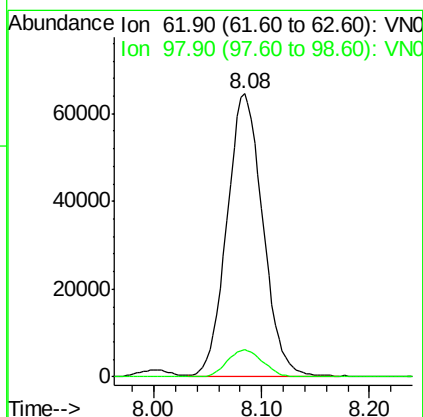
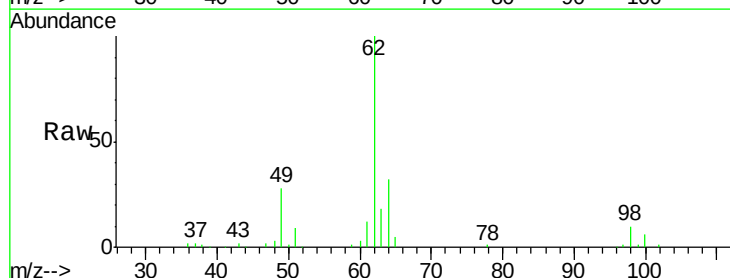
Manual Integrations
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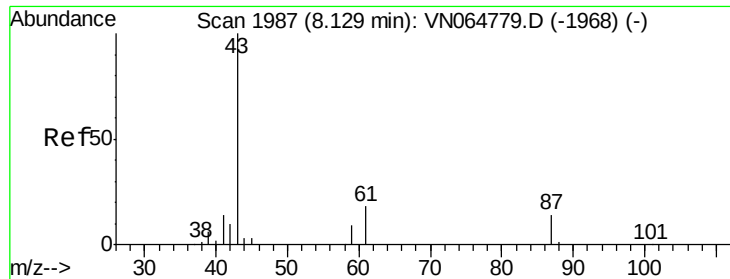
MMDadoda
12/1/2020 9:34:59 AM



#42
1,2-Dichloroethane
Concen: 48.681 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.6





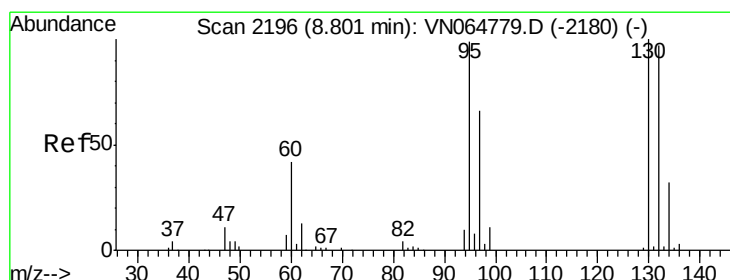
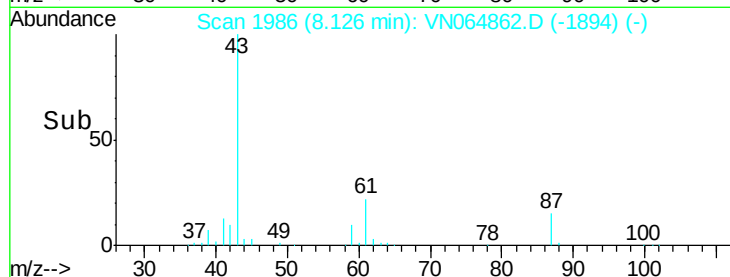
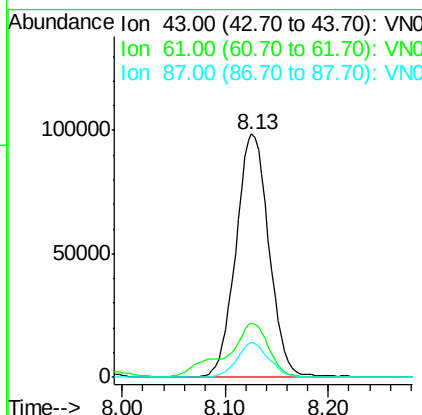
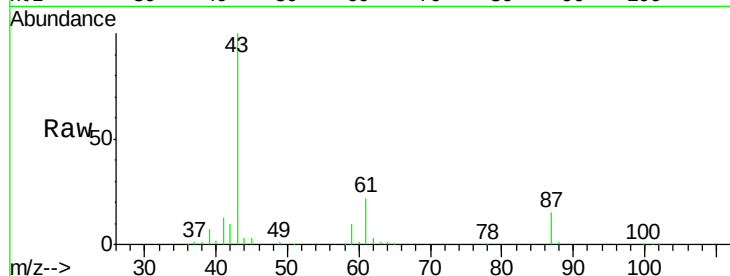
#43
Isopropyl Acetate
Concen: 47.868 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.9	17.2	25.8
87	13.7	11.4	17.0

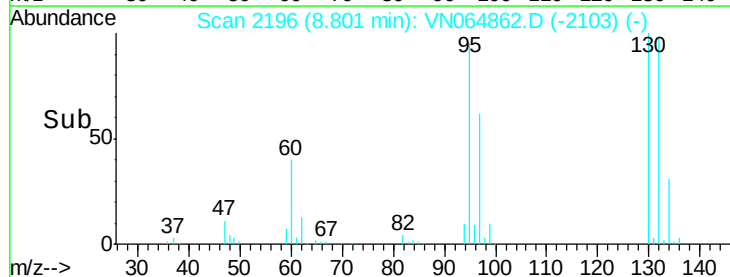
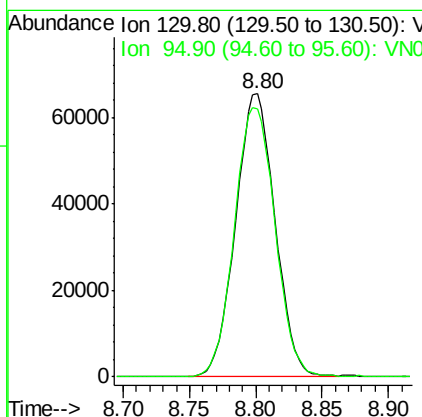
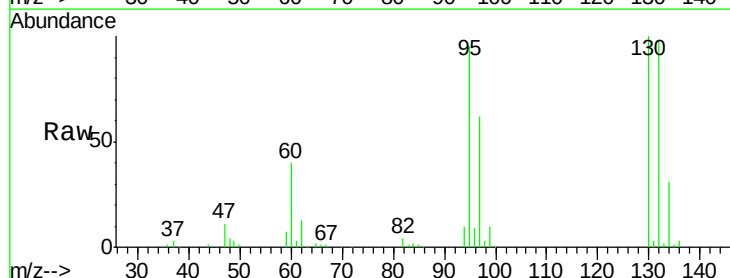
Manual Integrations
APPROVED

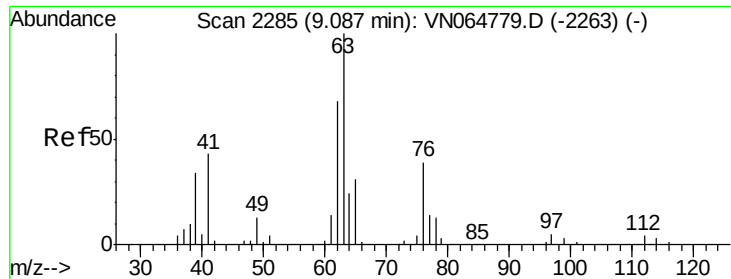
MMDadoda
12/1/2020 9:34:59 AM



#44
Trichloroethene
Concen: 50.671 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.7	0.0	197.8





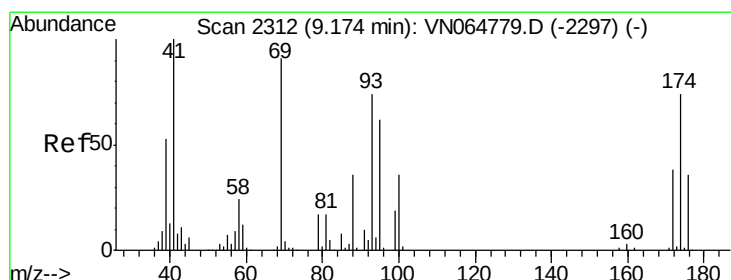
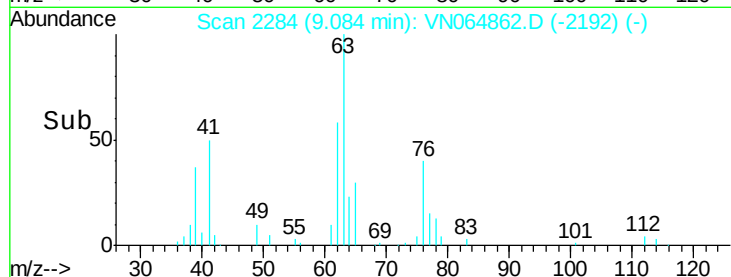
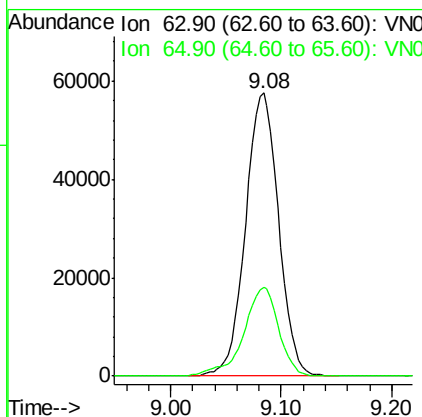
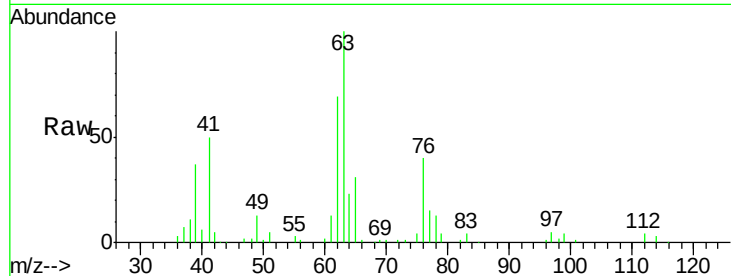
#45
 1,2-Dichloropropane
 Concen: 50.793 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 119466
 Ion Ratio Lower Upper
 63 100
 65 31.4 25.0 37.4

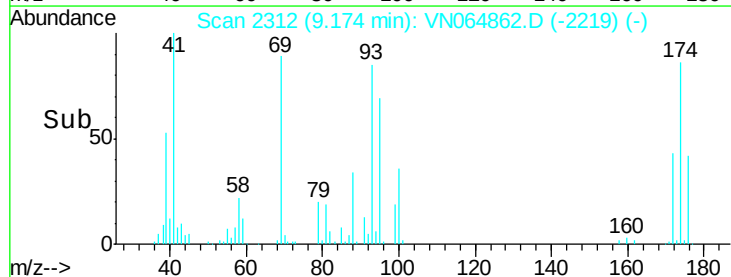
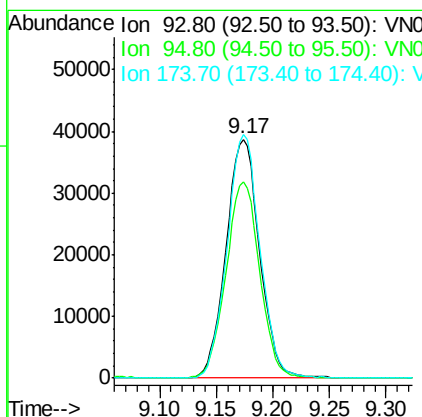
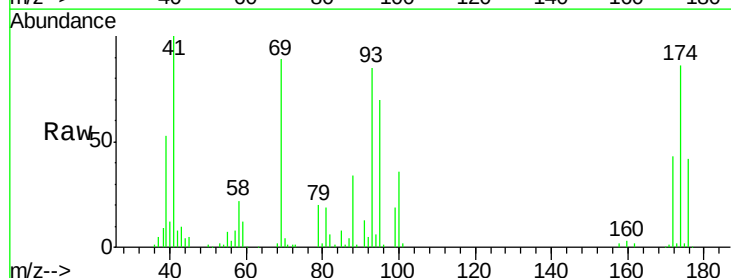
Manual Integrations
 APPROVED

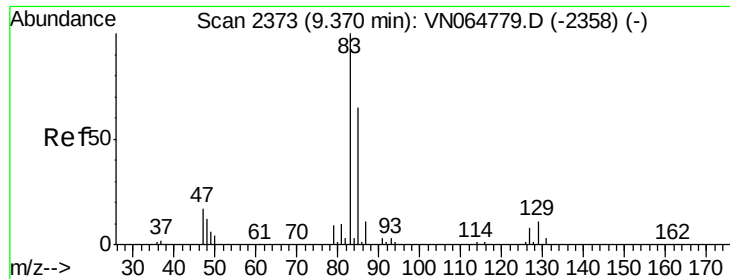
MMDadoda
 12/1/2020 9:34:59 AM



#46
 Dibromomethane
 Concen: 51.029 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Tgt Ion: 93 Resp: 80183
 Ion Ratio Lower Upper
 93 100
 95 82.3 68.8 103.2
 174 99.7 83.1 124.7





#47

Bromodichloromethane

Concen: 51.108 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 161588

Ion Ratio Lower Upper

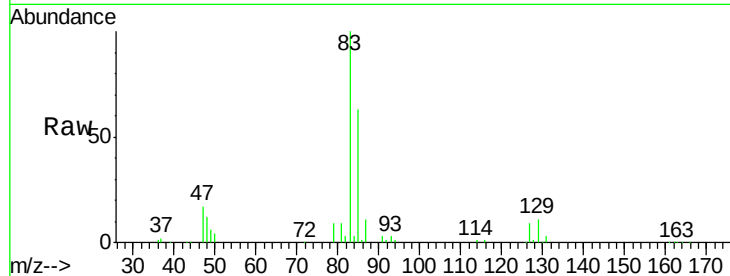
83 100

85 63.4 51.8 77.8

127 9.0 6.8 10.2

Manual Integrations
APPROVED

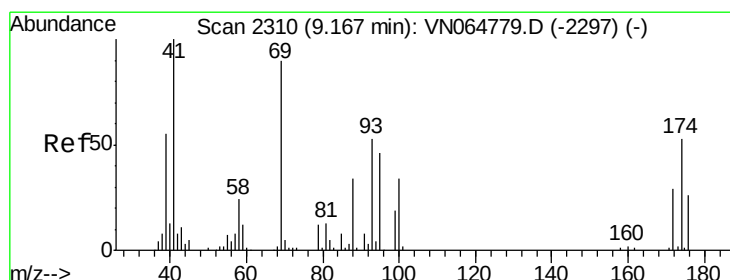
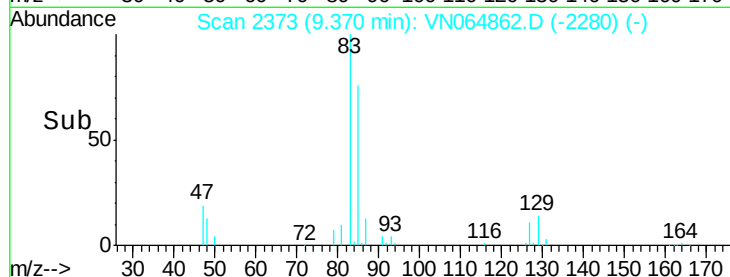
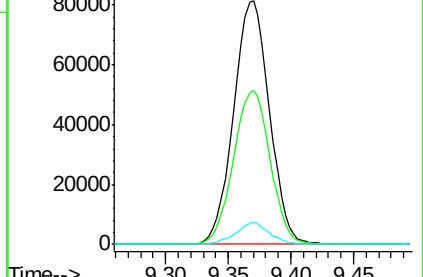
MMDadoda
12/1/2020 9:34:59 AM



Abundance Ion 82.90 (82.60 to 83.60): VN064862.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN064862.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN064862.D (-2280) (-)



#48

Methyl methacrylate

Concen: 48.621 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

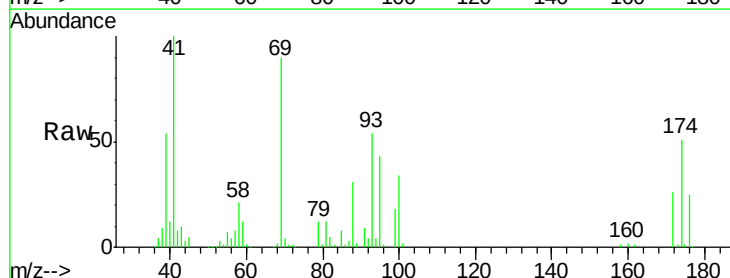
Tgt Ion: 41 Resp: 106732

Ion Ratio Lower Upper

41 100

69 91.8 71.8 107.8

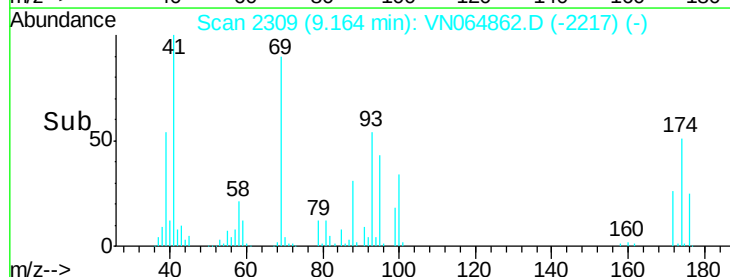
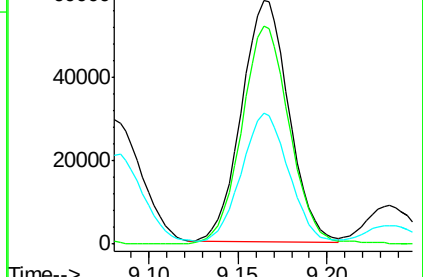
39 55.5 44.1 66.1

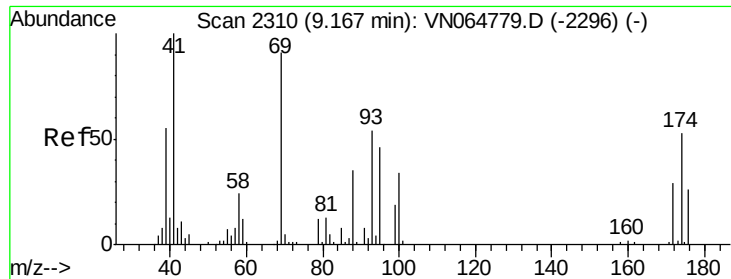


Abundance Ion 41.00 (40.70 to 41.70): VN064862.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN064862.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN064862.D (-2217) (-)





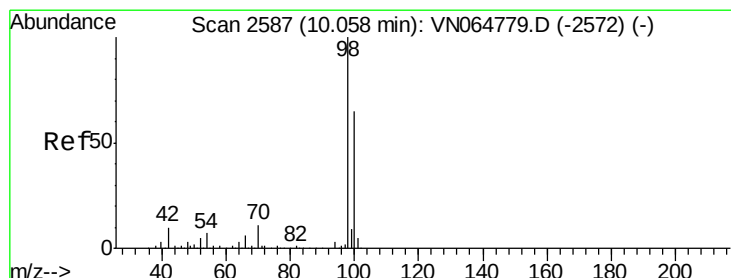
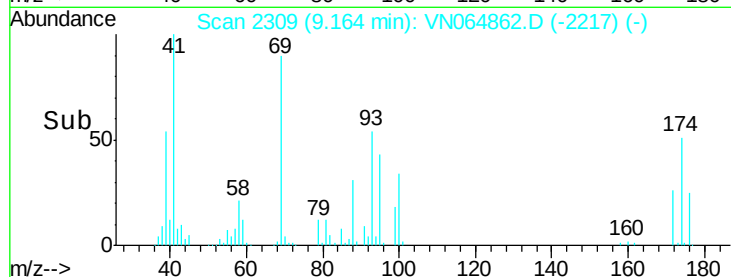
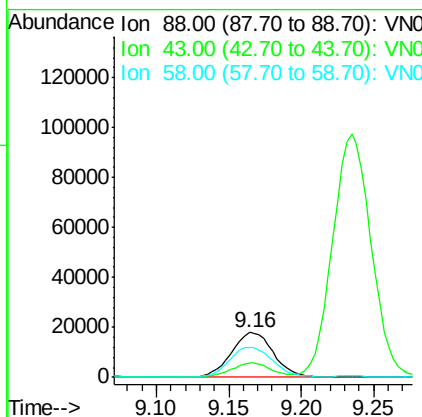
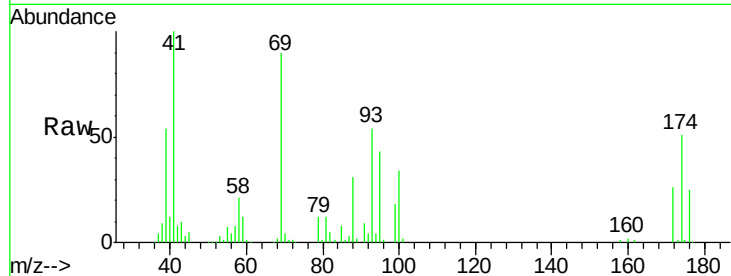
#49
 1,4-Dioxane
 Concen: 879.131 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	24.2	36.4
58	69.0	52.5	78.7

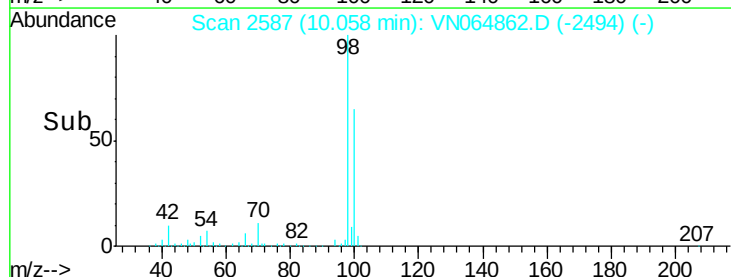
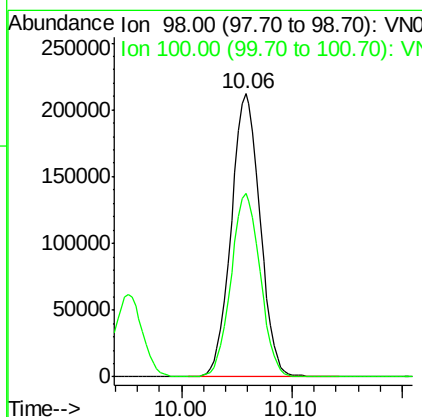
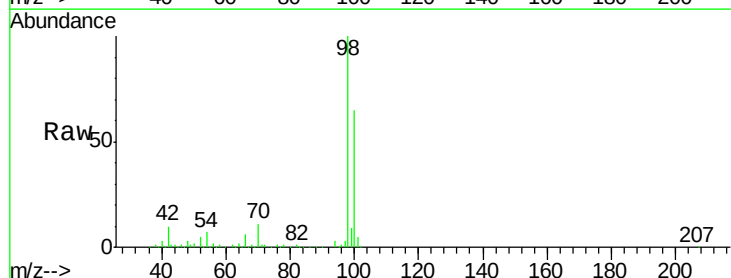
Manual Integrations
 APPROVED

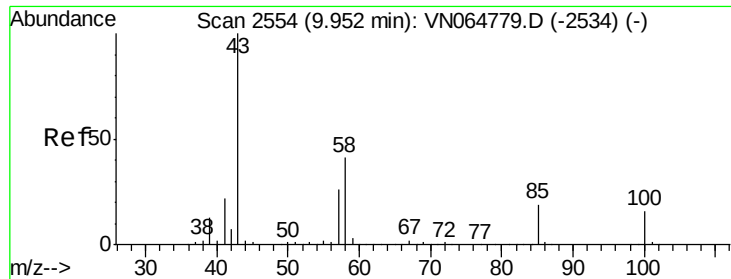
MMDadoda
 12/1/2020 9:34:59 AM



#50
 Toluene-d8
 Concen: 49.248 ug/l
 RT: 10.06 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 242.062 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 667613

Ion Ratio Lower Upper

43 100

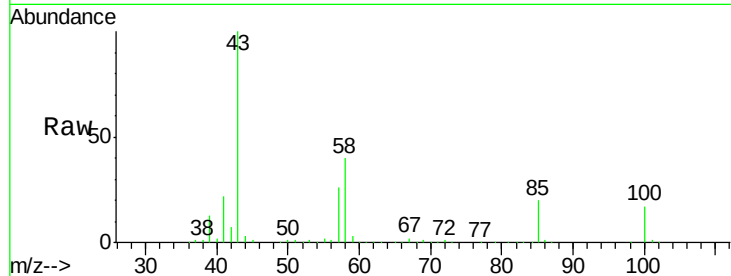
58 40.2 32.4 48.6

Manual Integrations

APPROVED

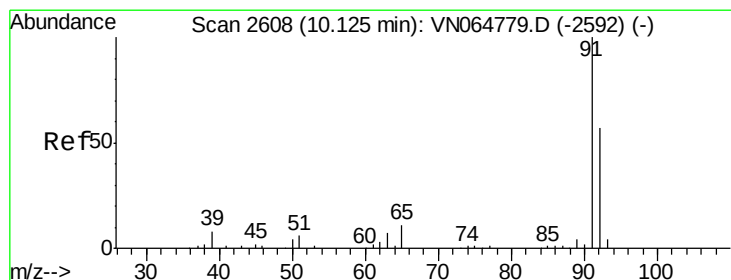
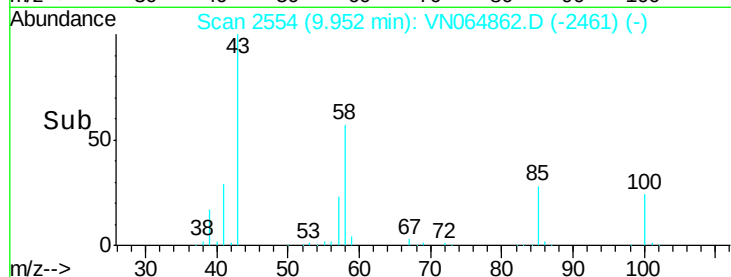
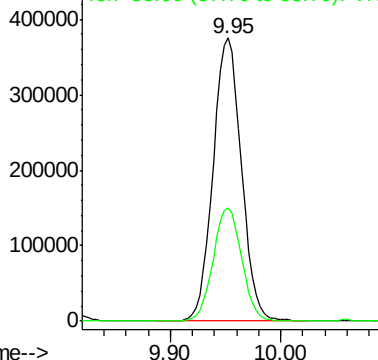
MMDadoda

12/1/2020 9:34:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.278 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064862.D

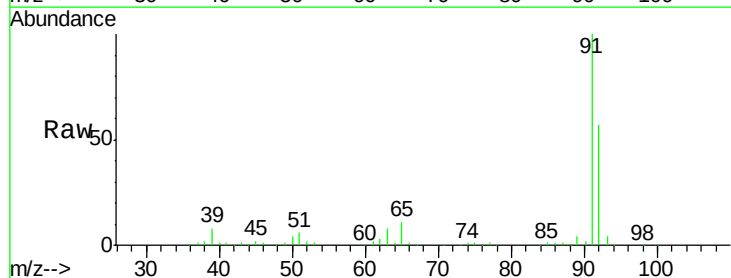
Acq: 30 Nov 2020 10:31

Tgt Ion: 92 Resp: 286811

Ion Ratio Lower Upper

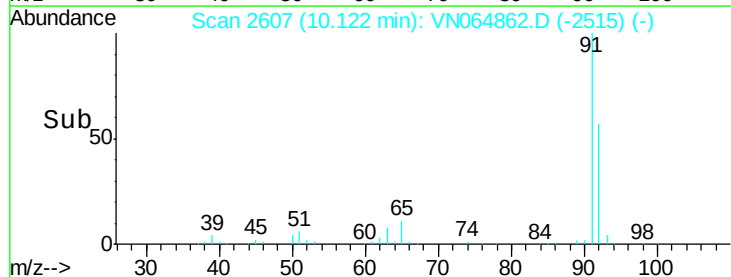
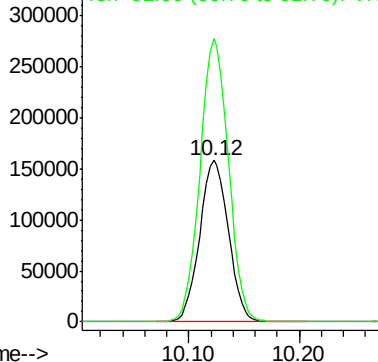
92 100

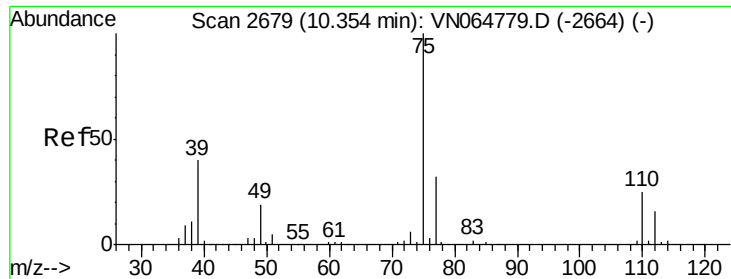
91 173.4 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





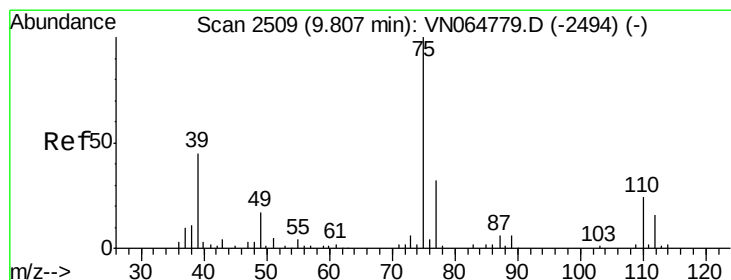
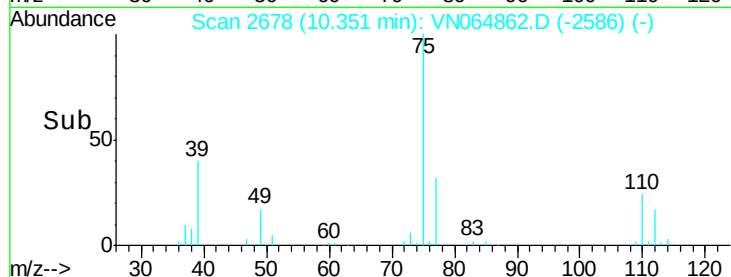
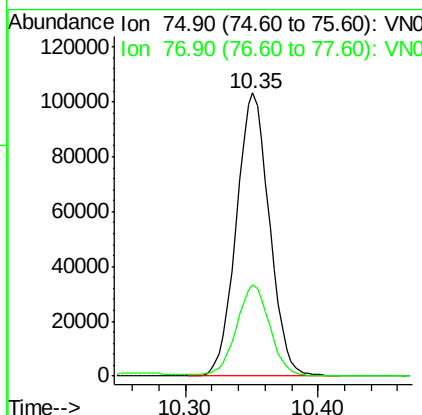
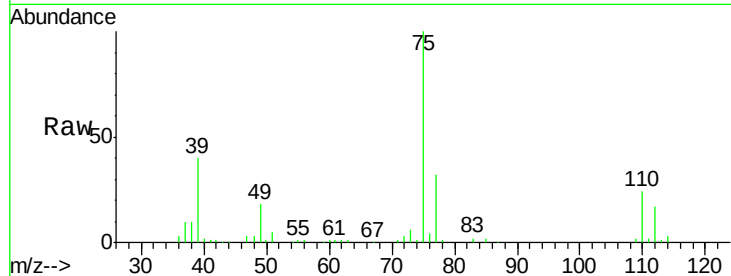
#53
t-1,3-Dichloropropene
Concen: 50.766 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.8	38.6

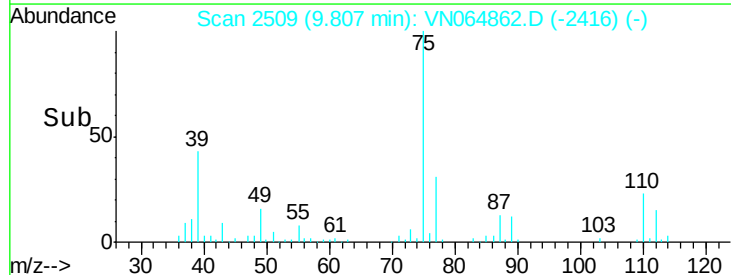
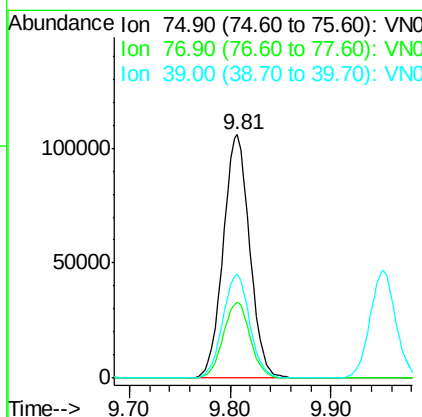
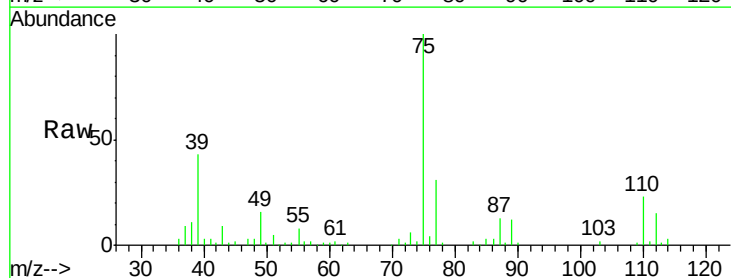
Manual Integrations
APPROVED

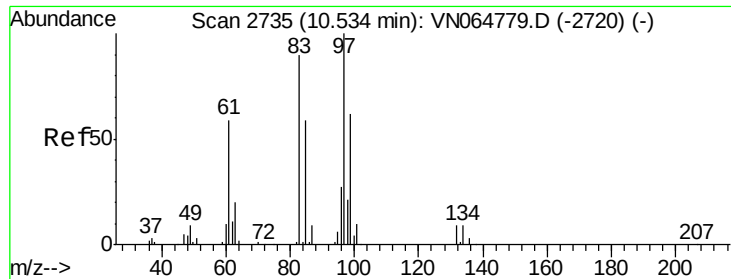
MMDadoda
12/1/2020 9:34:59 AM



#54
cis-1,3-Dichloropropene
Concen: 51.585 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3
39	42.6	35.6	53.4





#55

1,1,2-Trichloroethane

Concen: 49.884 ug/l

RT: 10.53 min Scan# 2734

Delta R.T. -0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 114733

Ion Ratio Lower Upper

97 100

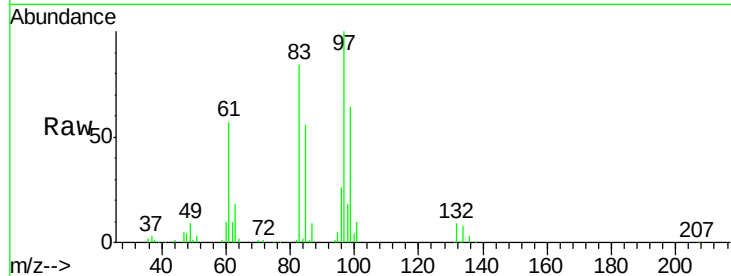
83 84.4 72.1 108.1

85 55.8 46.8 70.2

99 64.4 49.6 74.4

Manual Integrations
APPROVED

MMDadoda
12/1/2020 9:34:59 AM

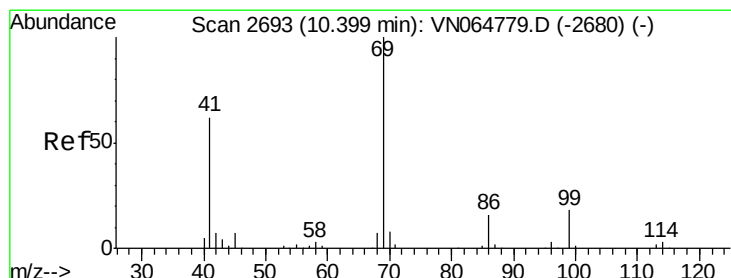
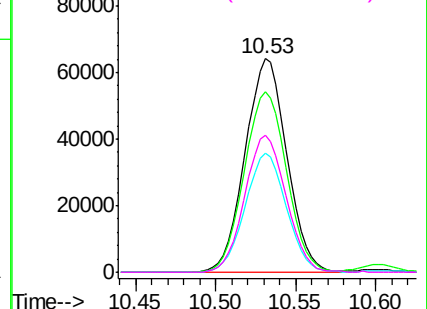
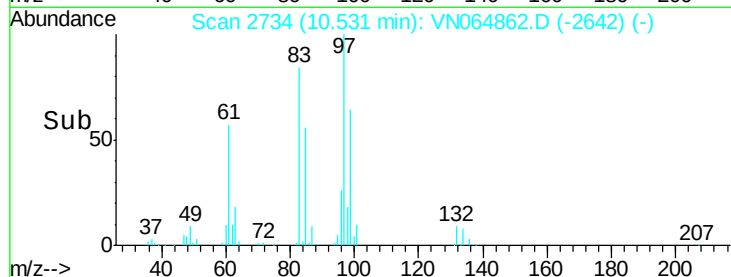


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.829 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

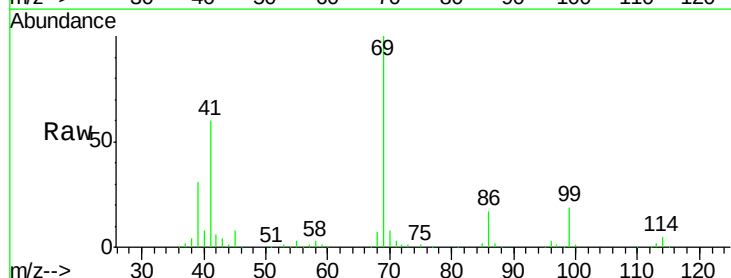
Tgt Ion: 69 Resp: 164503

Ion Ratio Lower Upper

69 100

41 60.5 49.4 74.0

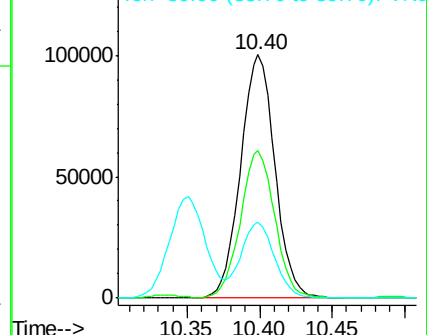
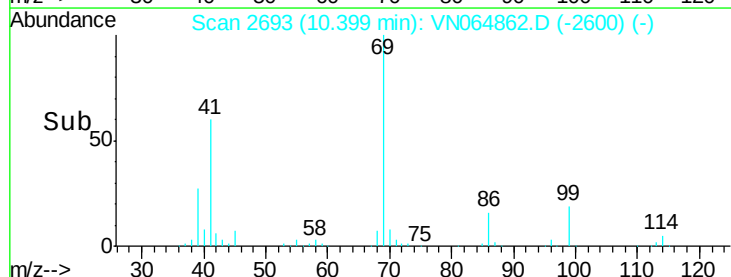
39 30.1 25.9 38.9

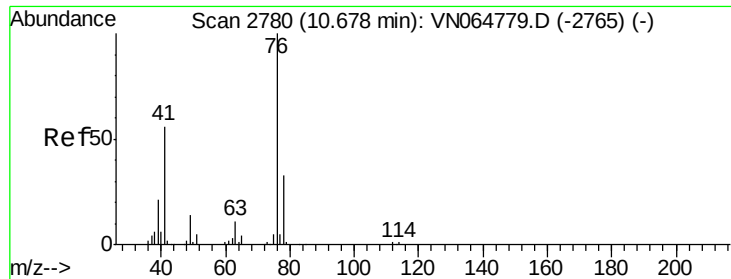


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





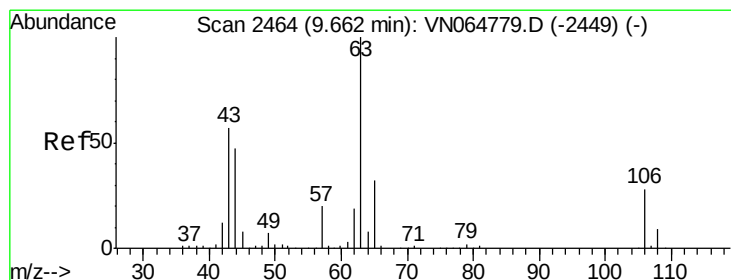
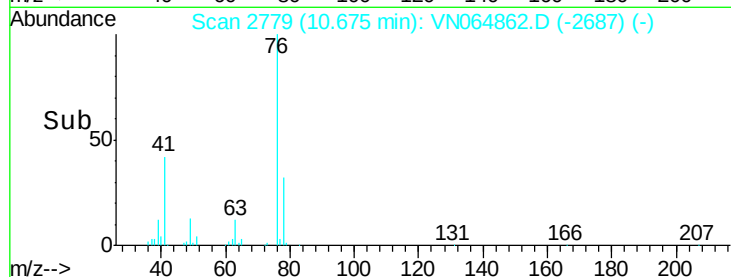
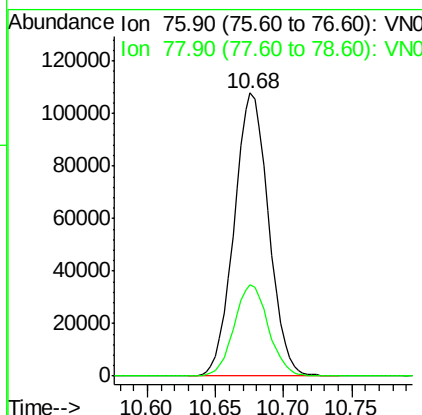
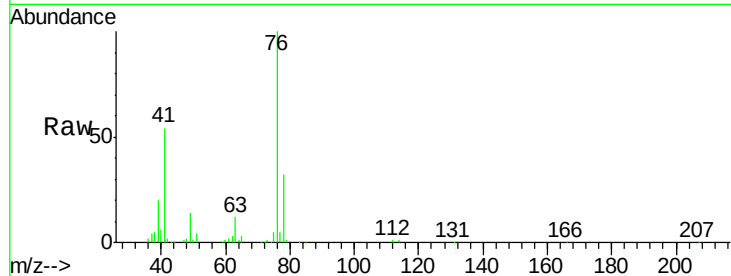
#57
 1,3-Dichloropropane
 Concen: 49.936 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 189459
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.1 39.1

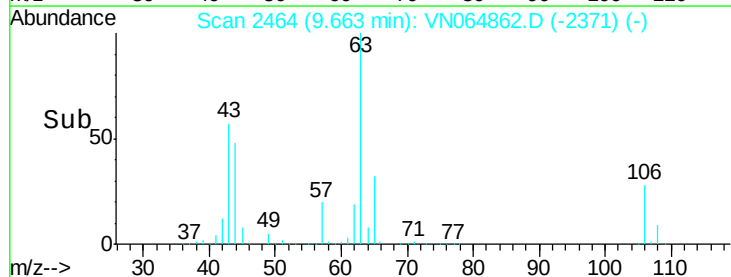
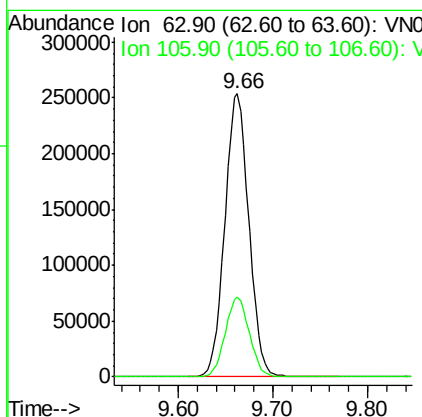
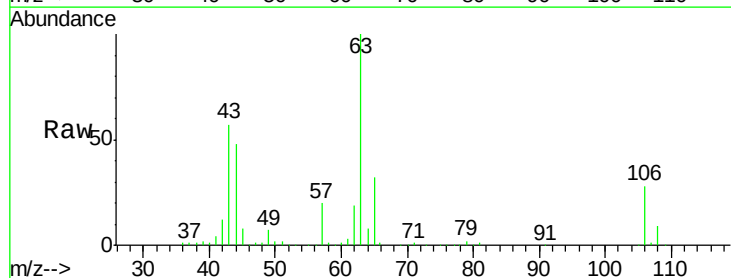
Manual Integrations
 APPROVED

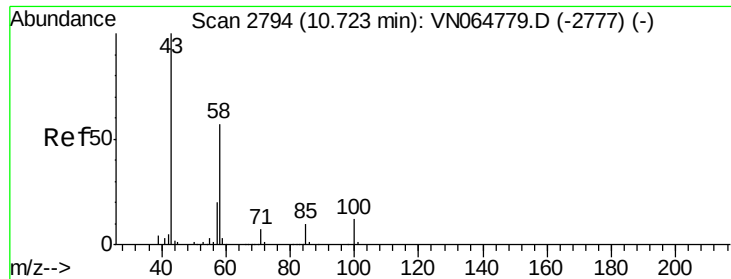
MMDadoda
 12/1/2020 9:34:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 256.075 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Tgt Ion: 63 Resp: 447077
 Ion Ratio Lower Upper
 63 100
 106 28.1 22.7 34.1





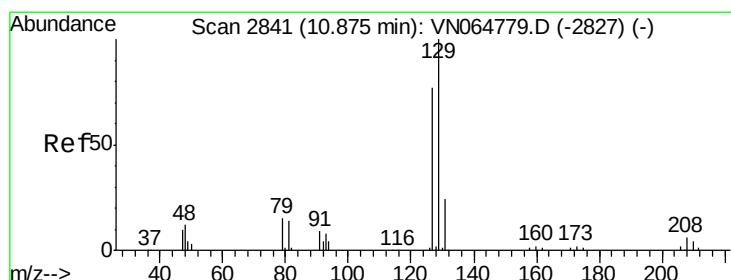
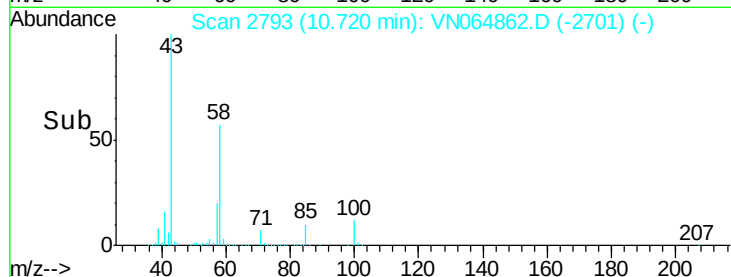
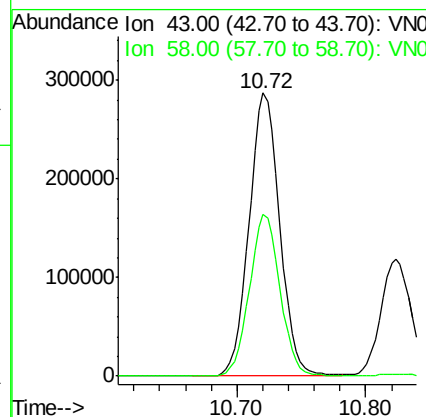
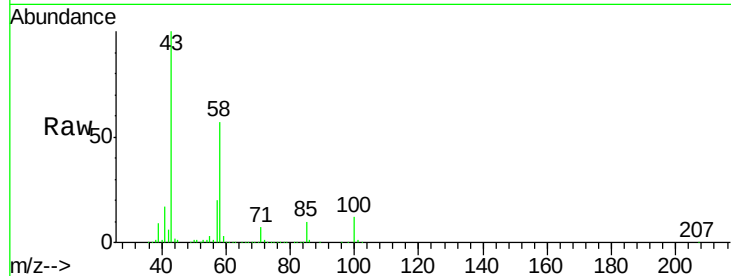
#59
2-Hexanone
Concen: 239.342 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 475072
Ion Ratio Lower Upper
43 100
58 57.0 28.3 84.9

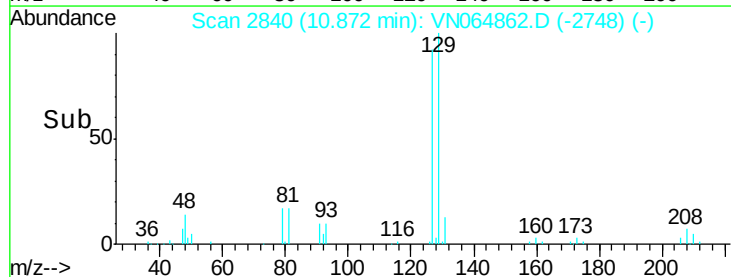
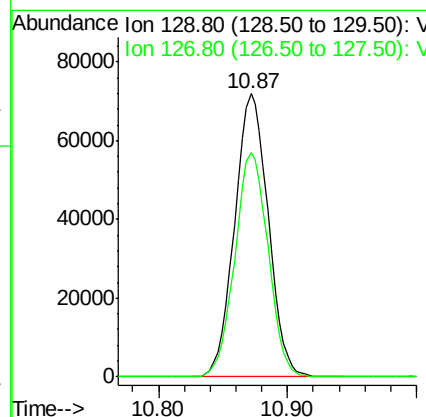
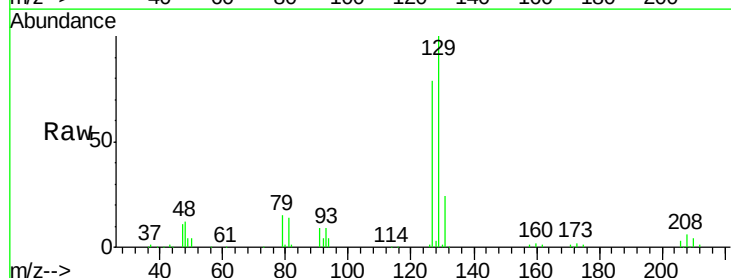
Manual Integrations
APPROVED

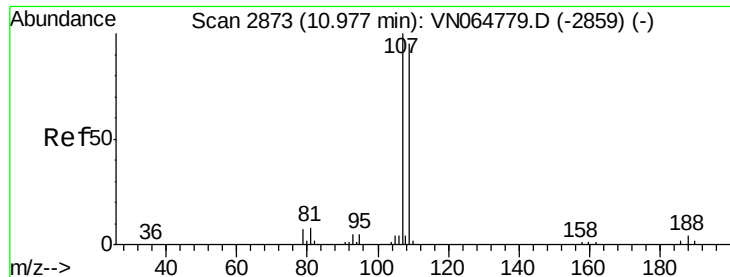
MMDadoda
12/1/2020 9:34:59 AM



#60
Dibromochloromethane
Concen: 50.888 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion: 129 Resp: 130104
Ion Ratio Lower Upper
129 100
127 78.5 39.1 117.2





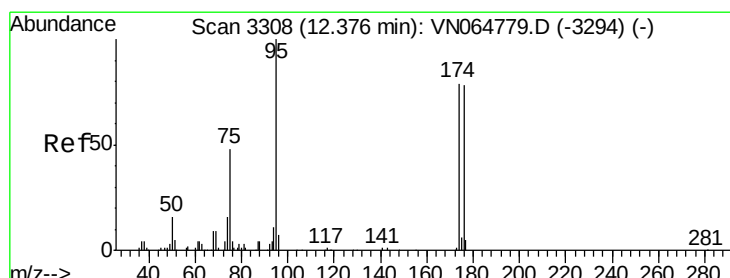
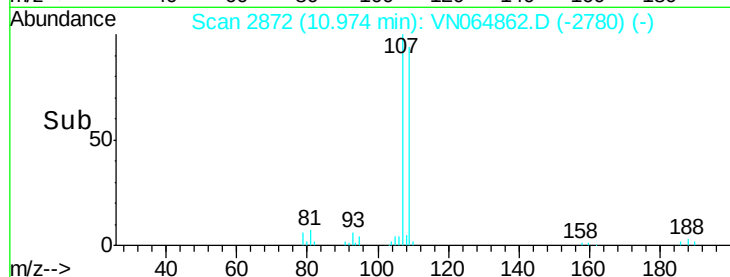
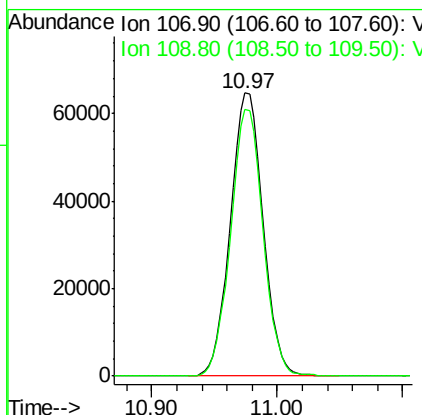
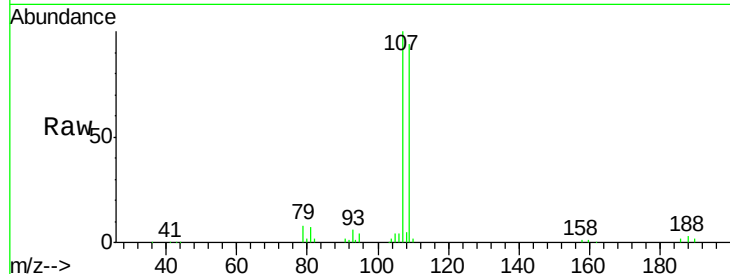
#61
 1,2-Dibromoethane
 Concen: 50.032 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
107	100	116913		
109	93.6	76.0	114.0	

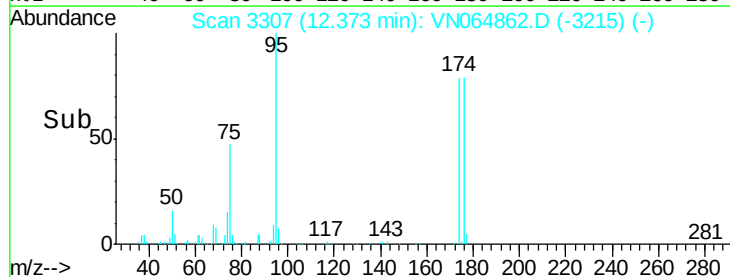
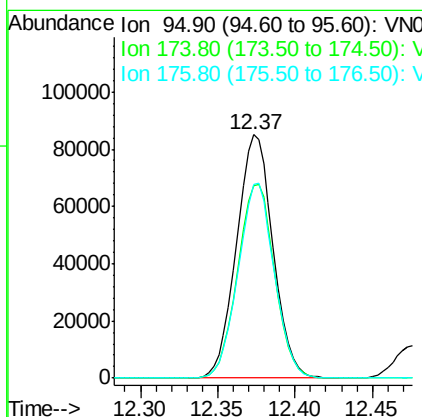
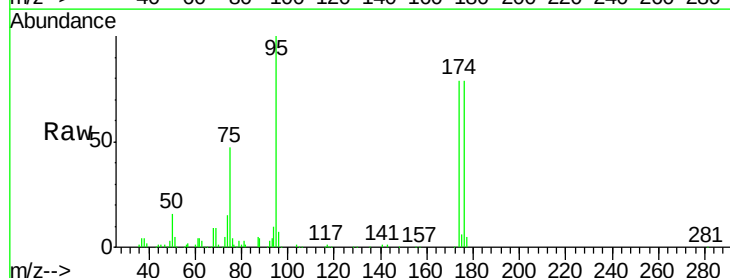
Manual Integrations
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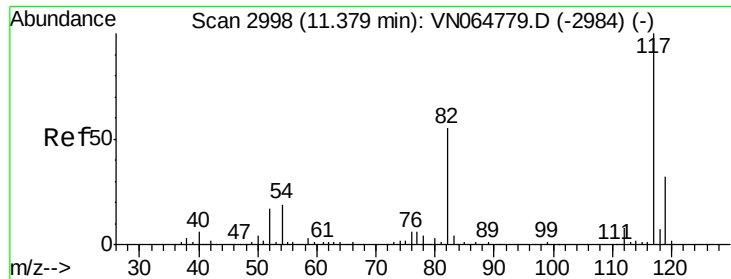
MMDadoda
 12/1/2020 9:34:59 AM



#62
 4-Bromofluorobenzene
 Concen: 49.782 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	139282		
174	80.7	0.0	160.4	
176	79.6	0.0	158.4	





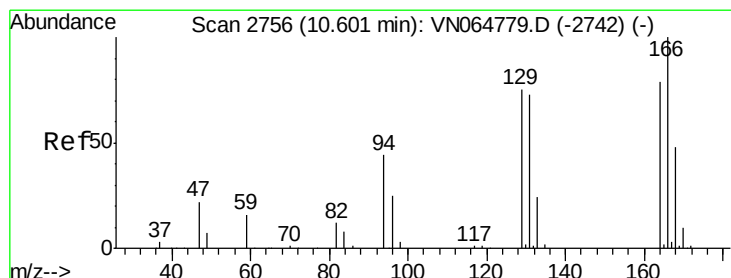
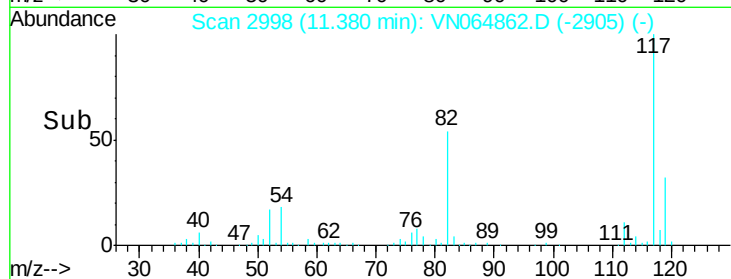
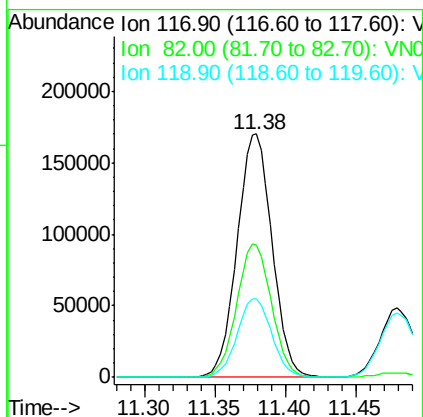
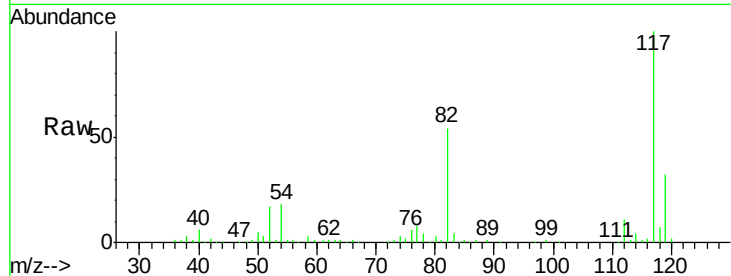
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.2	66.2
119	32.0	25.8	38.6

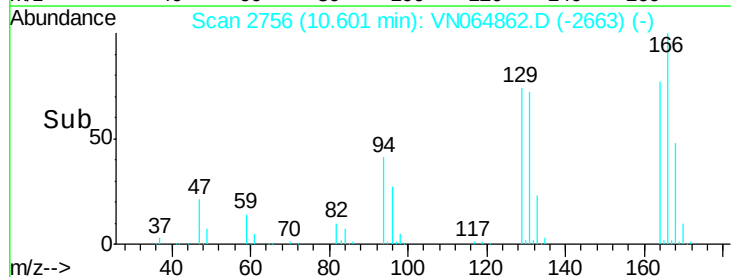
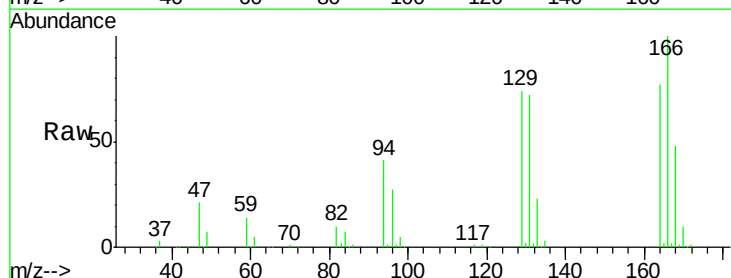
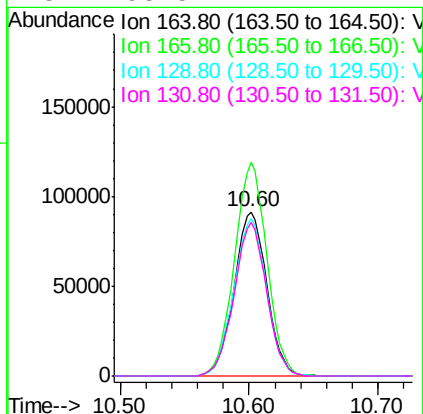
Manual Integrations
APPROVED

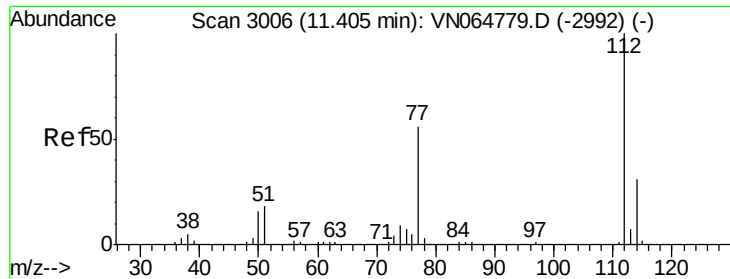
MMDadoda
12/1/2020 9:34:59 AM



#64
Tetrachloroethene
Concen: 56.009 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.4	152.0
129	95.9	76.1	114.1
131	93.5	74.2	111.2





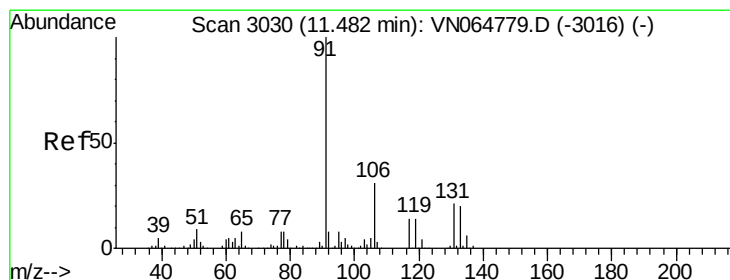
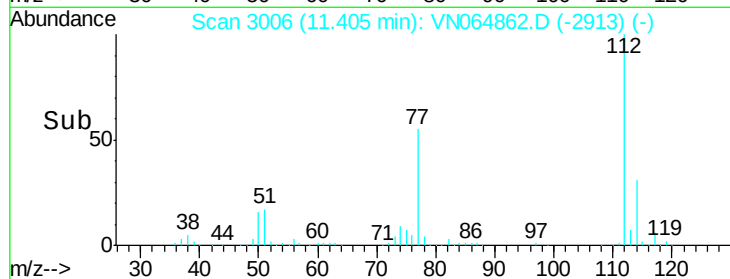
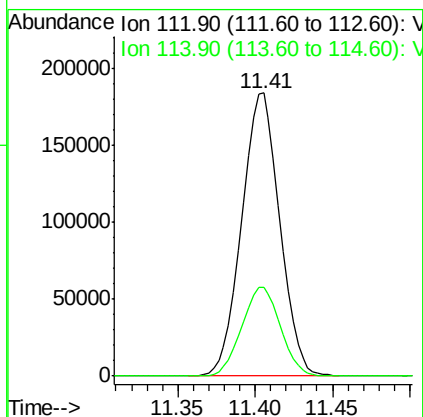
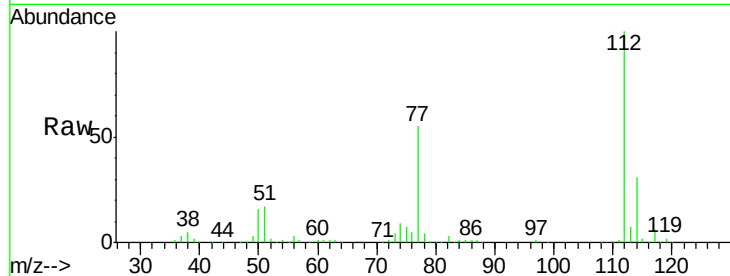
#65
Chlorobenzene
Concen: 49.685 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 315296
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7

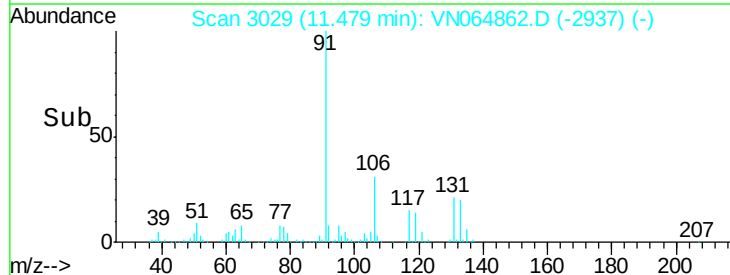
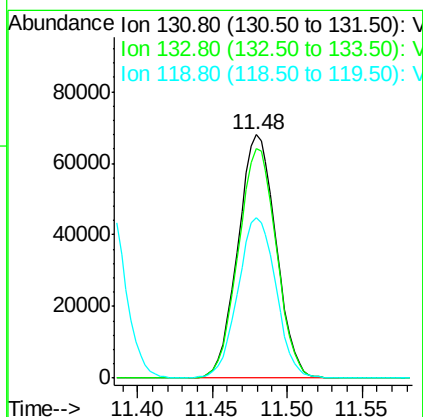
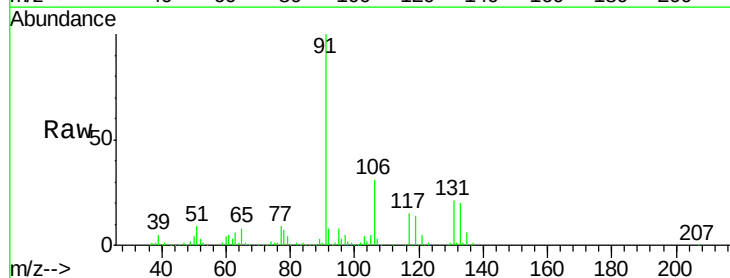
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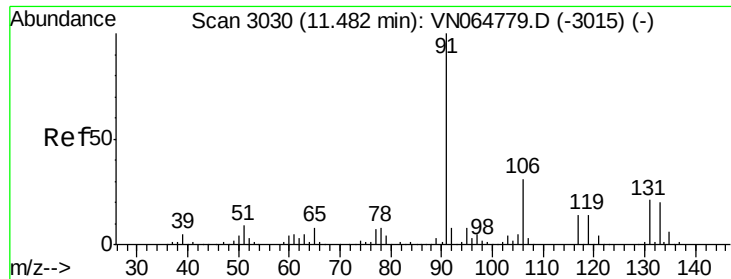
MMDadoda
12/1/2020 9:34:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.628 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion:131 Resp: 120403
Ion Ratio Lower Upper
131 100
133 94.6 47.5 142.5
119 65.8 33.3 99.8





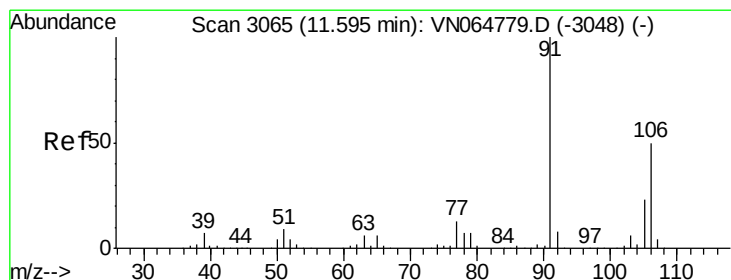
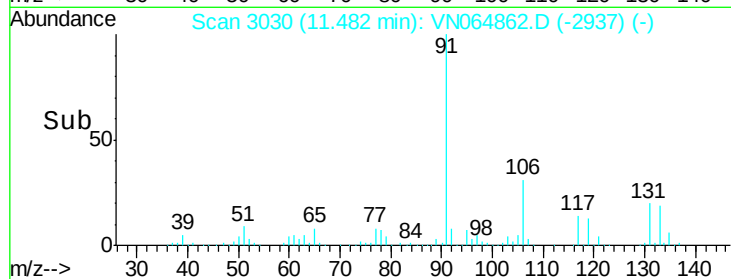
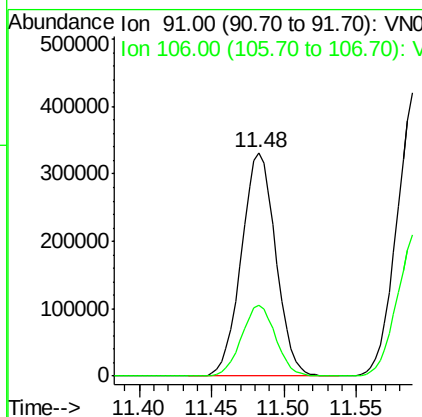
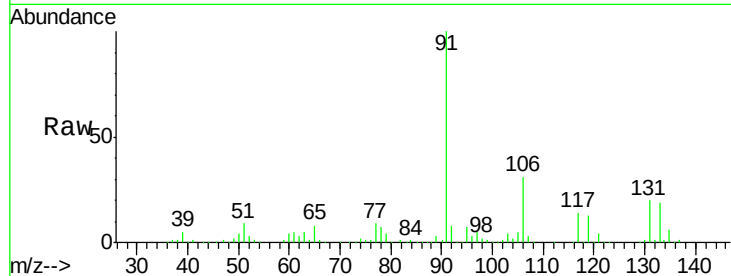
#67
Ethyl Benzene
Concen: 51.500 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 545963
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

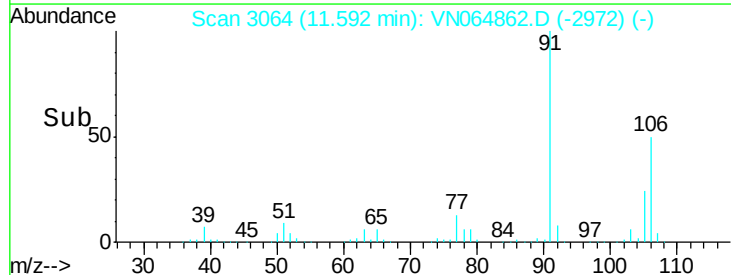
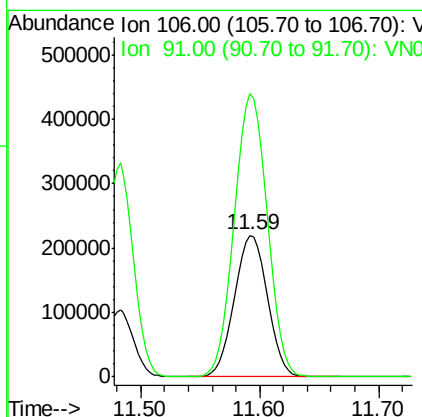
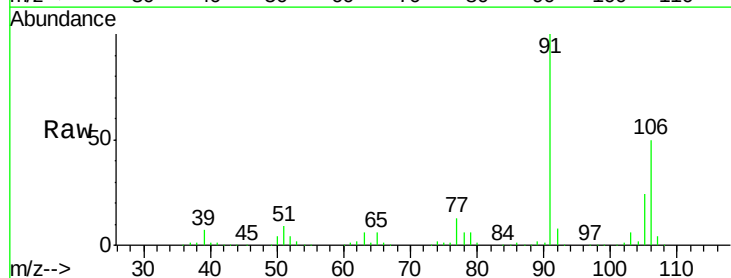
Manual Integrations
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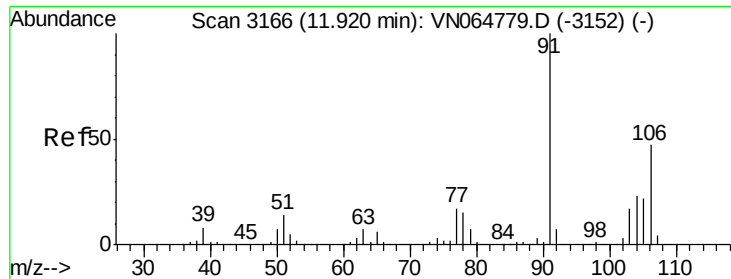
MMDadoda
12/1/2020 9:34:59 AM



#68
m/p-Xylenes
Concen: 105.561 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion: 106 Resp: 423692
Ion Ratio Lower Upper
106 100
91 199.7 161.0 241.4





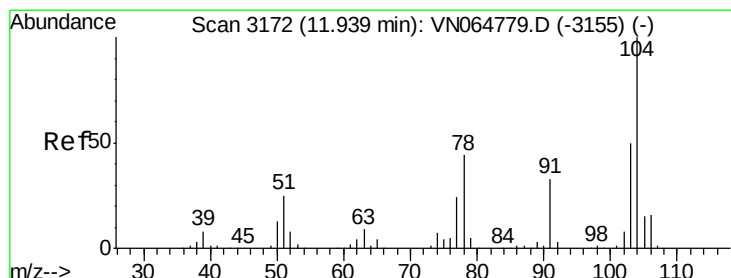
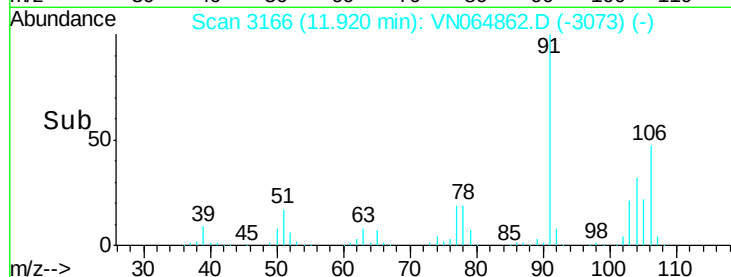
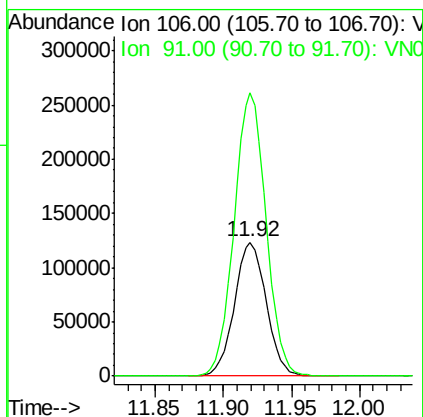
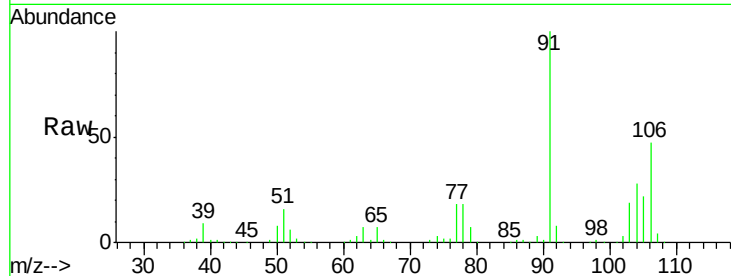
#69
o-Xylene
Concen: 52.417 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		199645		
91	212.1	105.5	316.5		

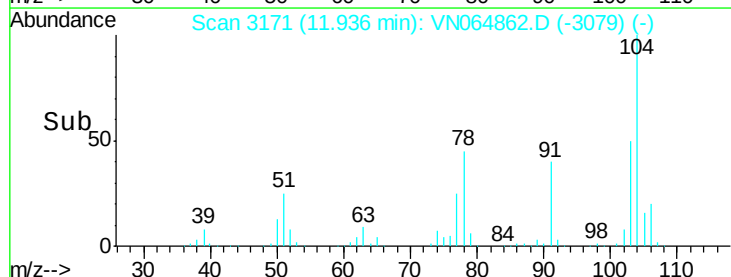
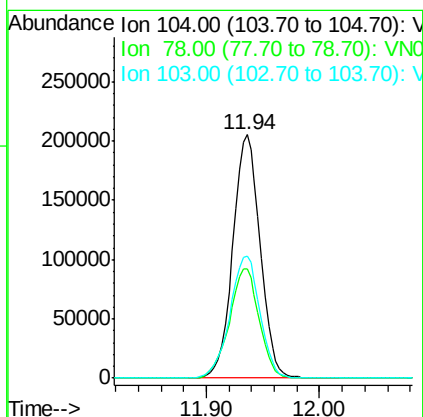
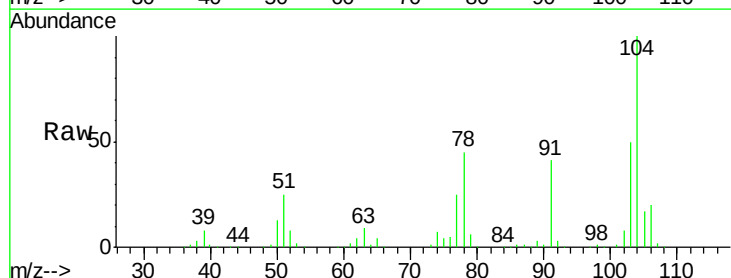
Manual Integrations
APPROVED

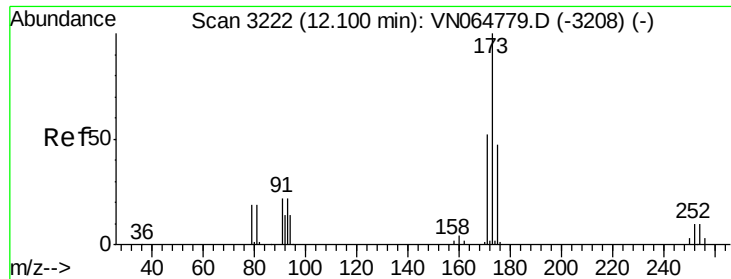
MMDadoda
12/1/2020 9:34:59 AM



#70
Styrene
Concen: 53.590 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		344580		
78	48.9	39.0	58.6		
103	55.1	44.3	66.5		





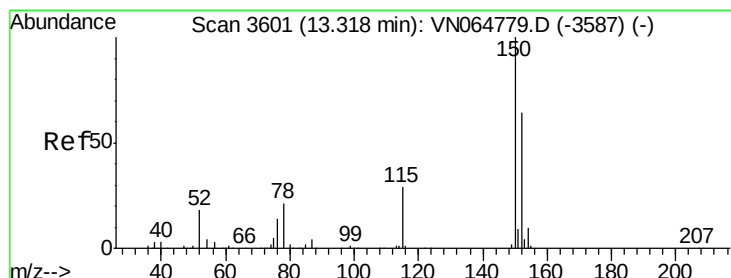
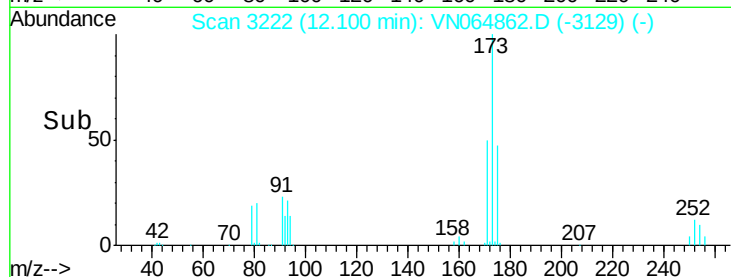
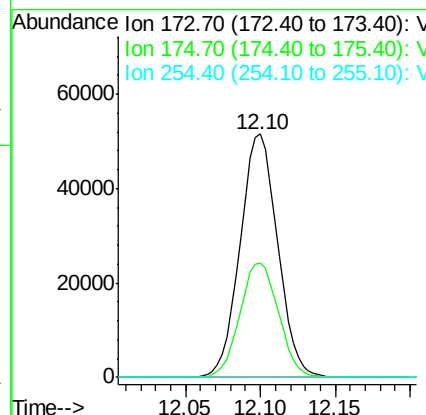
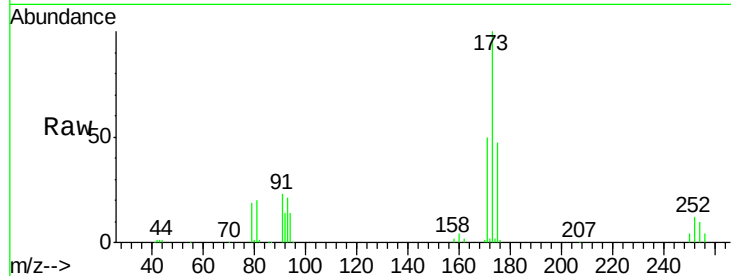
#71
Bromoform
Concen: 48.380 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.3	72.8
254	0.0	0.0	0.0

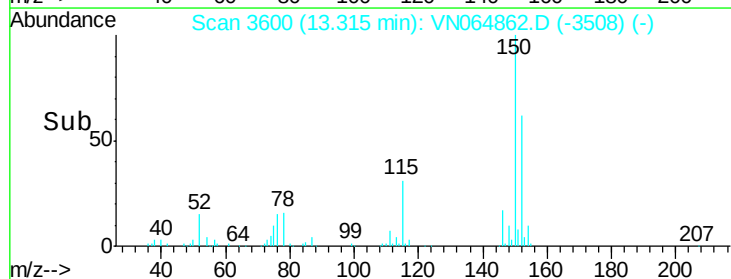
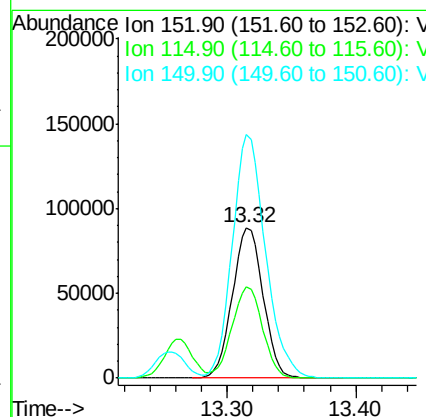
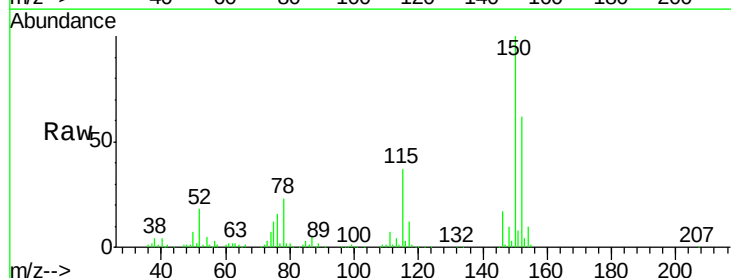
Manual Integrations
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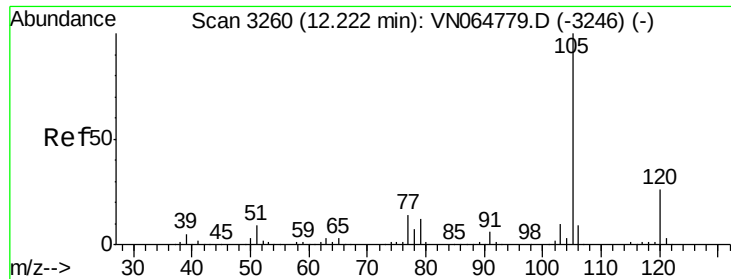
MMDadoda
12/1/2020 9:34:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	29.7	89.1
150	174.6	0.0	350.6





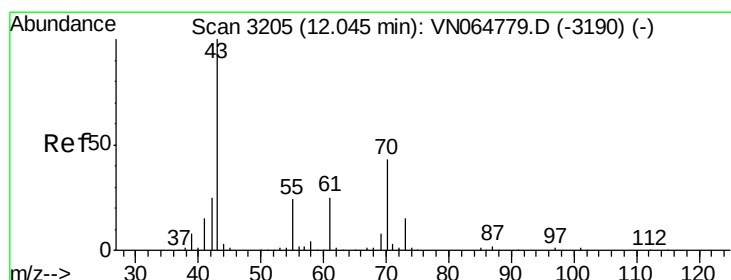
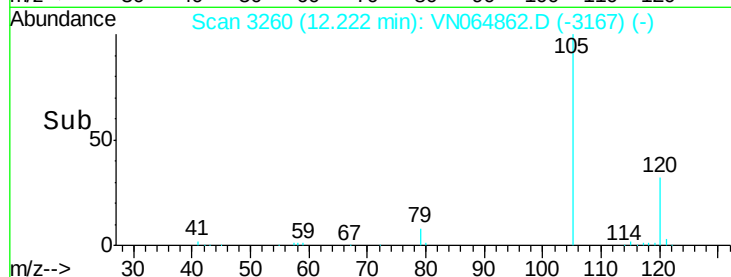
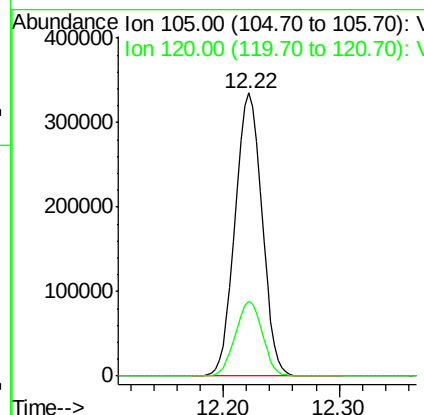
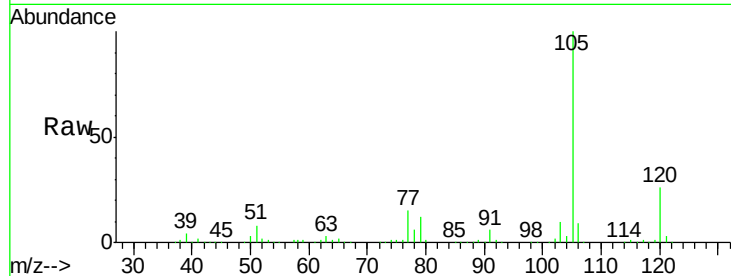
#73
Isopropylbenzene
Concen: 52.647 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.9

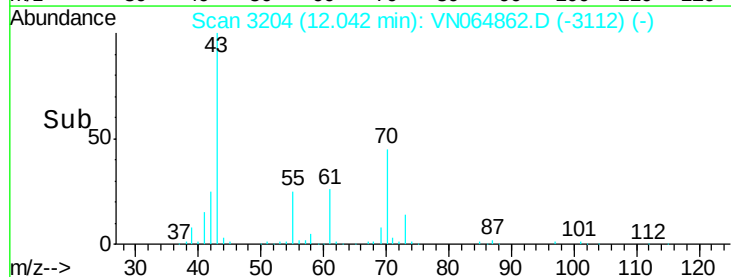
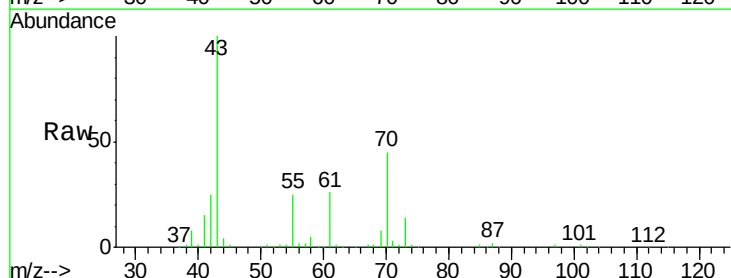
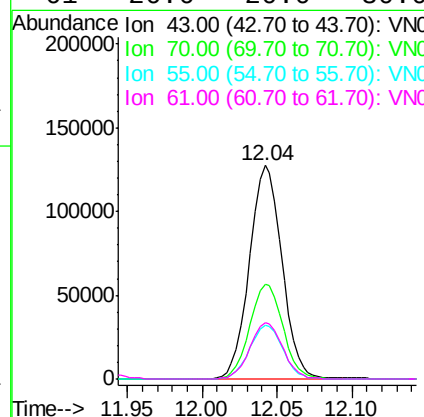
Manual Integrations
APPROVED

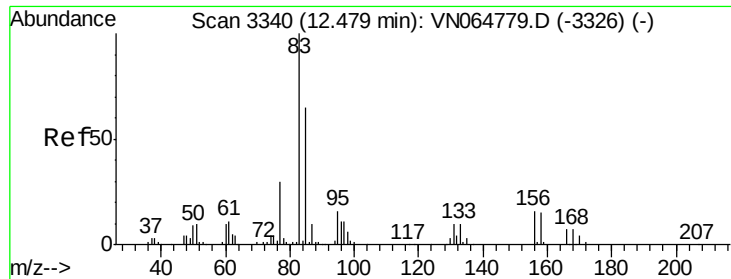
MMDadoda
12/1/2020 9:34:59 AM



#74
N-ethyl acetate
Concen: 48.281 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.2	34.5	51.7
55	25.9	20.4	30.6
61	26.6	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 42.644 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

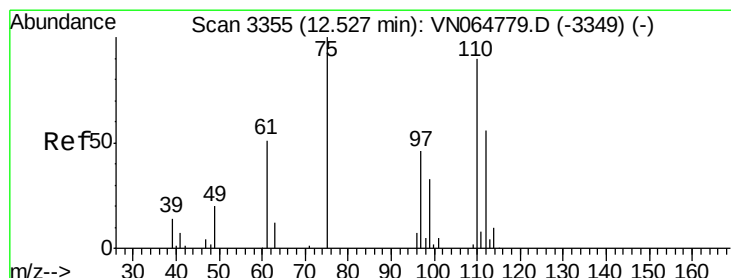
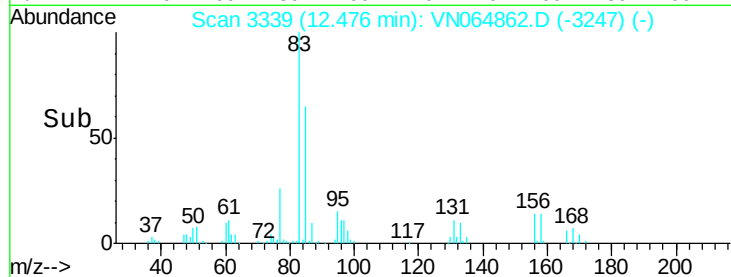
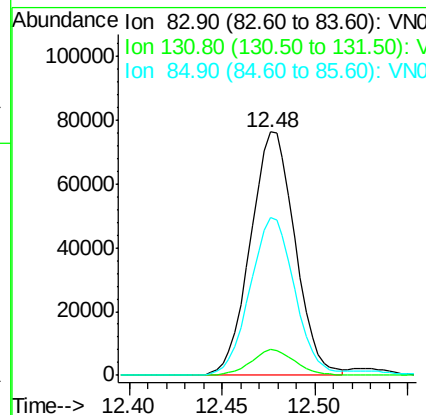
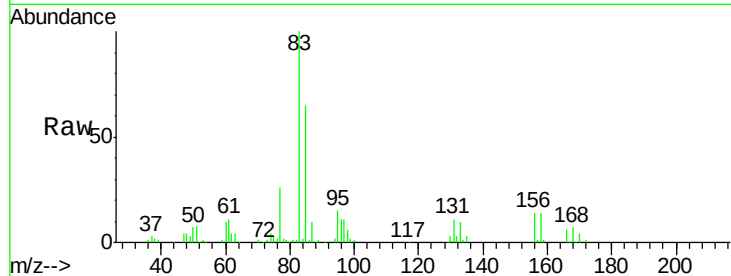
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	127298
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	65.0	33.0	99.0

Manual Integrations
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MMDadoda
12/1/2020 9:34:59 AM



#76

1,2,3-Trichloropropane

Concen: 48.850 ug/l m

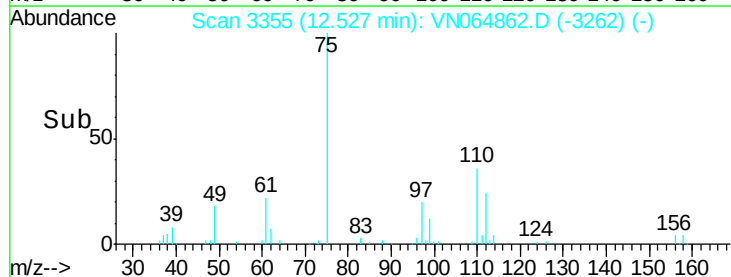
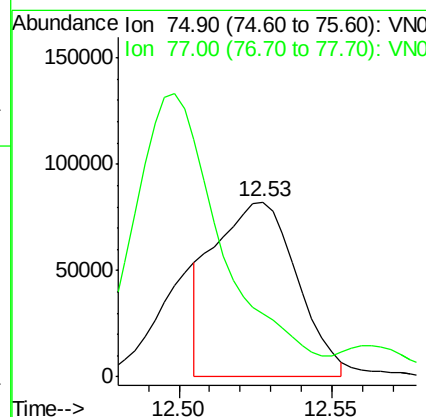
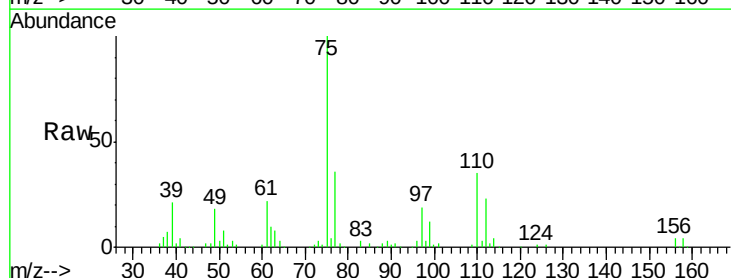
RT: 12.53 min Scan# 3355

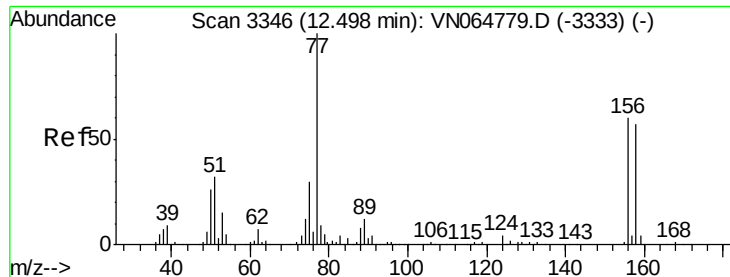
Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Tgt Ion:	75	Resp:	154039
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.552 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

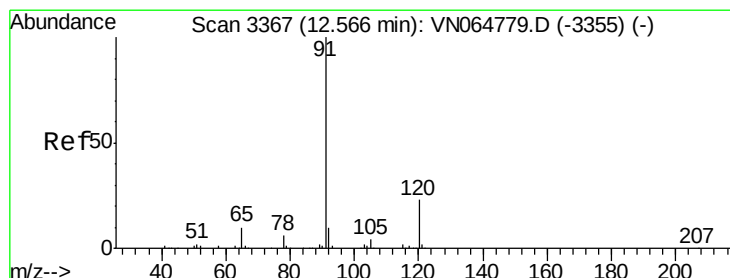
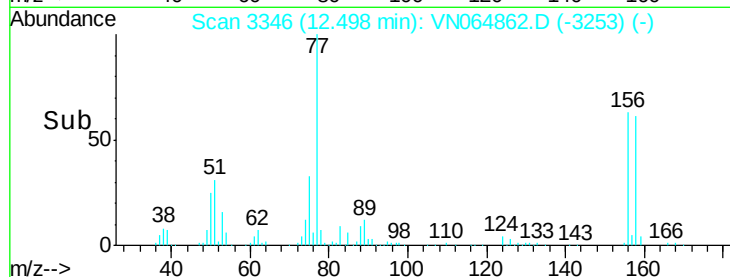
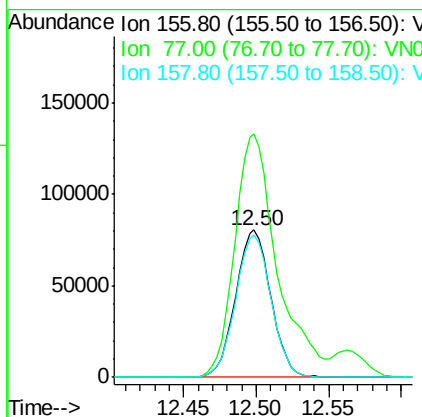
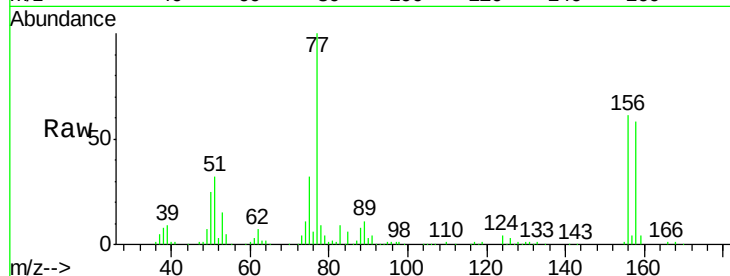
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	198.2	101.3	303.7
158	97.1	48.2	144.6

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#78

n-propylbenzene

Concen: 53.340 ug/l

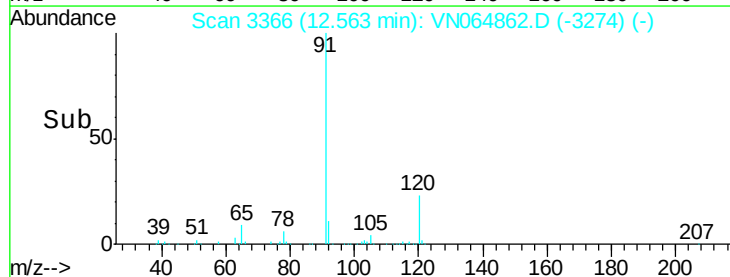
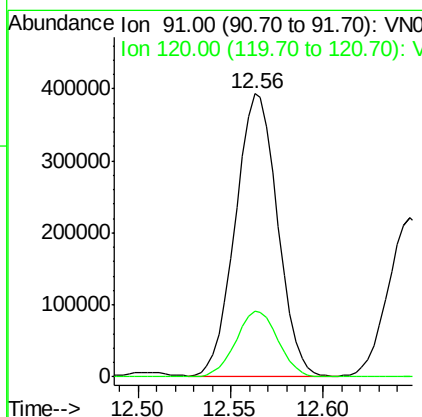
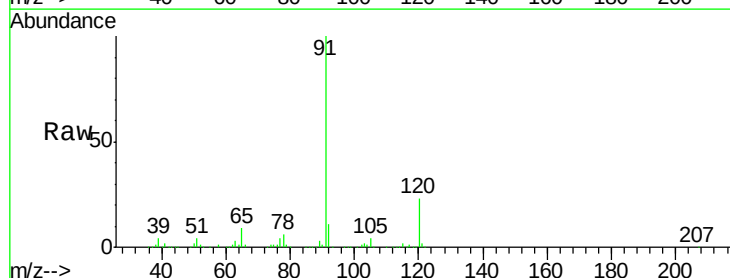
RT: 12.56 min Scan# 3366

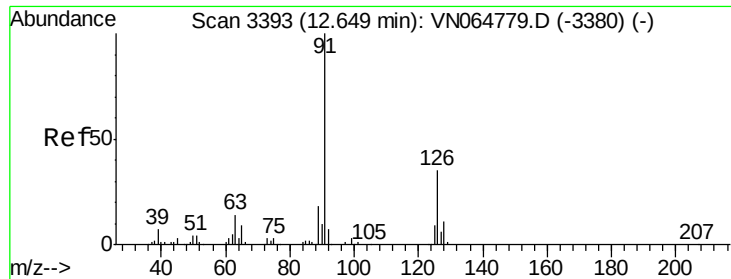
Delta R.T. -0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.6	34.7





#79

2-Chlorotoluene

Concen: 50.858 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 364745

Ion Ratio Lower Upper

91 100

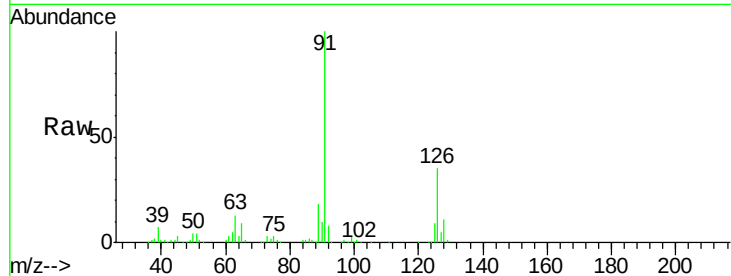
126 35.0 17.2 51.6

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Abundance Ion 91.00 (90.70 to 91.70): VN064779.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064779.D (-3380) (-)

400000

300000

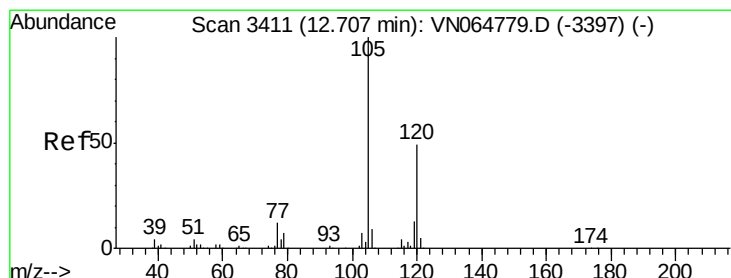
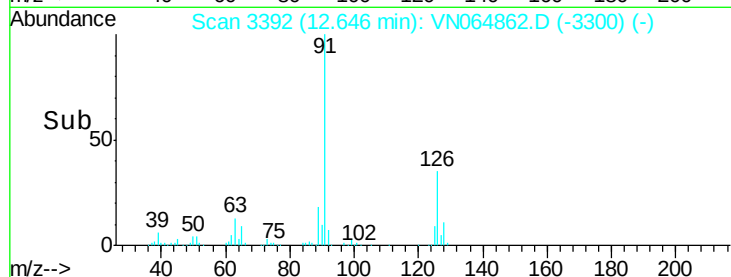
200000

100000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.755 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064862.D

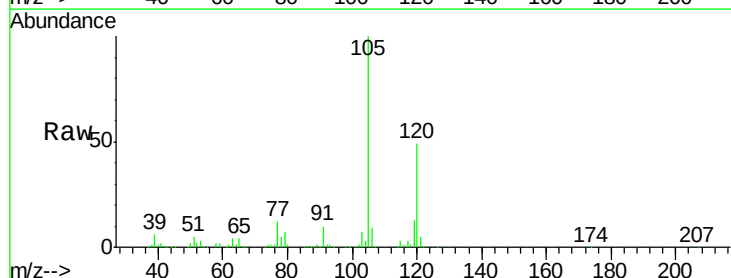
Acq: 30 Nov 2020 10:31

Tgt Ion: 105 Resp: 463519

Ion Ratio Lower Upper

105 100

120 49.0 24.6 73.6



Abundance Ion 105.00 (104.70 to 105.70): VN064779.D (-3397) (-)

Ion 120.00 (119.70 to 120.70): VN064779.D (-3397) (-)

300000

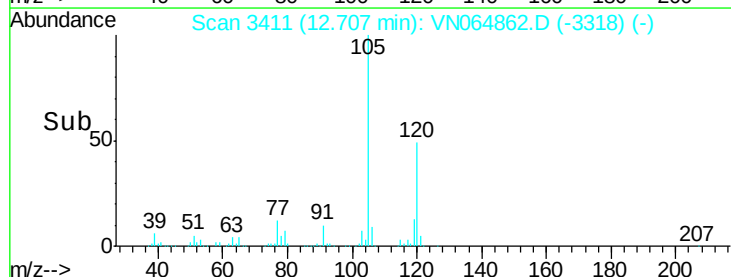
200000

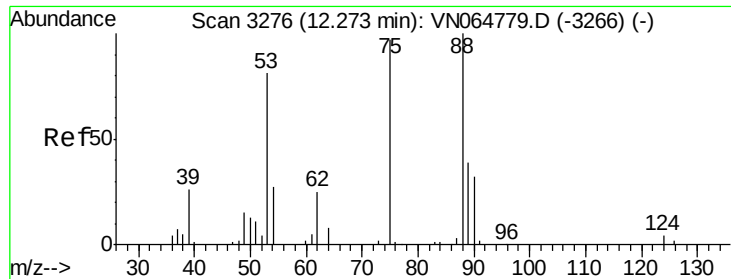
100000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.928 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 53992

Ion Ratio Lower Upper

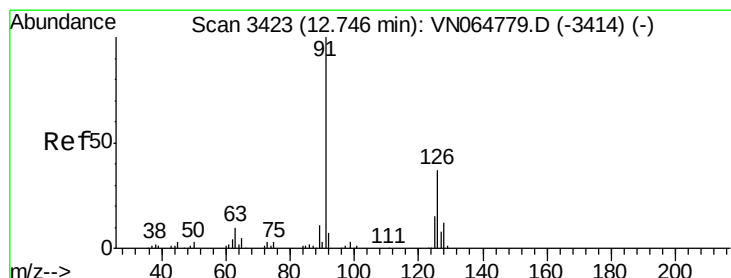
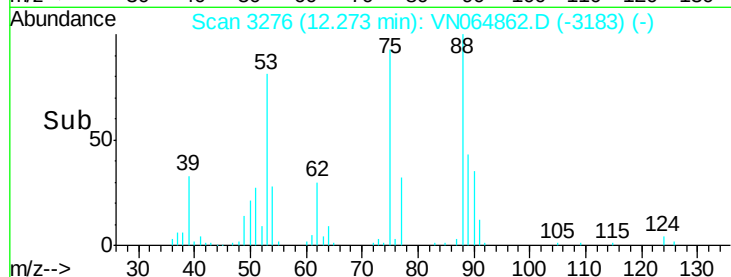
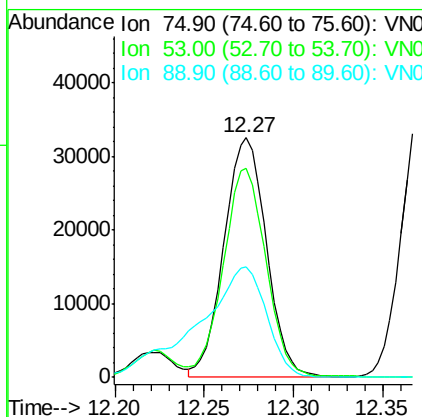
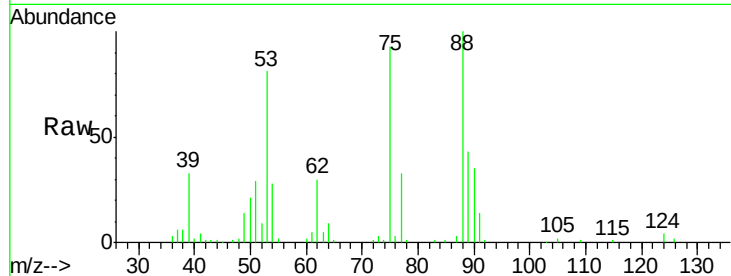
75 100

53 86.7 67.0 100.4

89 74.8 39.6 59.4#

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#82

4-Chlorotoluene

Concen: 51.274 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064862.D

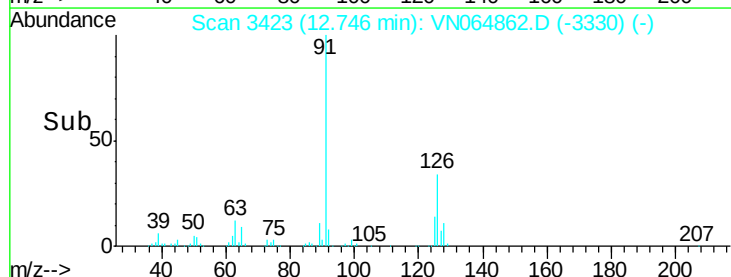
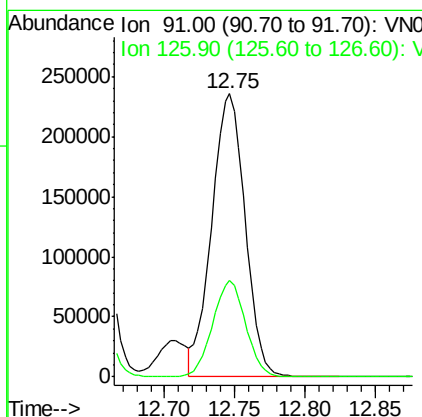
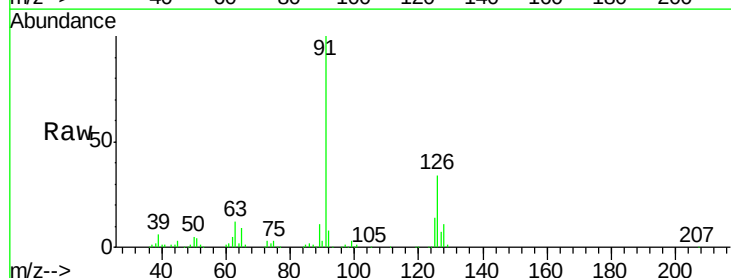
Acq: 30 Nov 2020 10:31

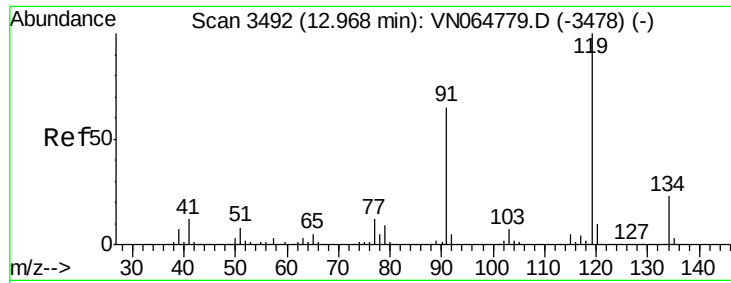
Tgt Ion: 91 Resp: 385451

Ion Ratio Lower Upper

91 100

126 33.8 16.9 50.7





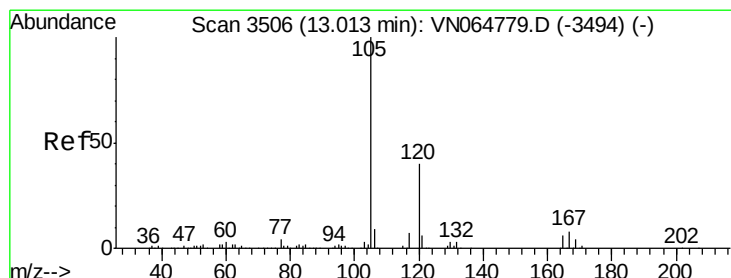
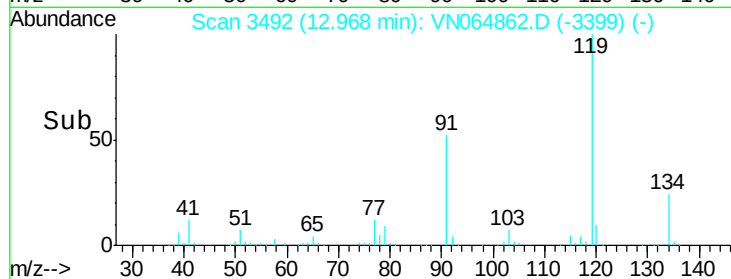
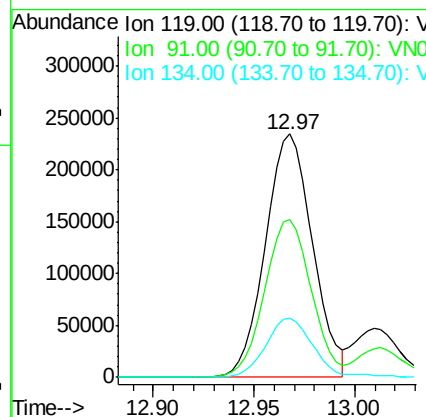
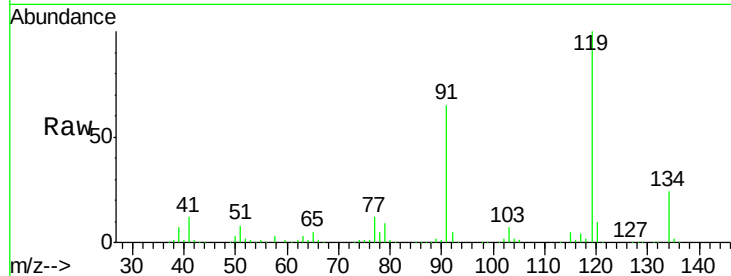
#83
 tert-Butylbenzene
 Concen: 53.748 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.3	96.8
134	24.7	12.6	37.6

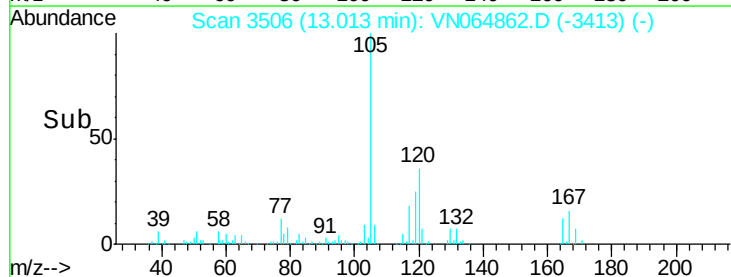
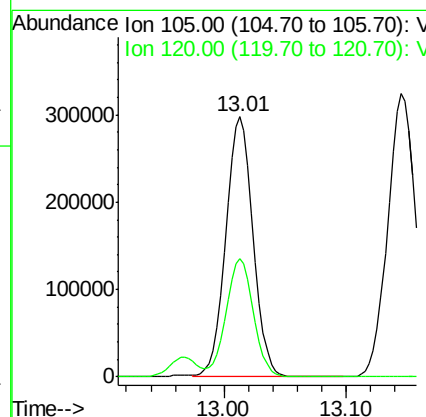
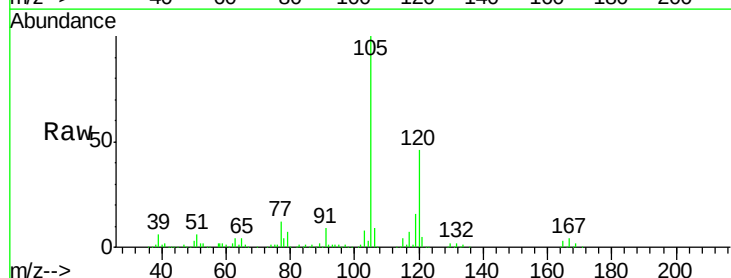
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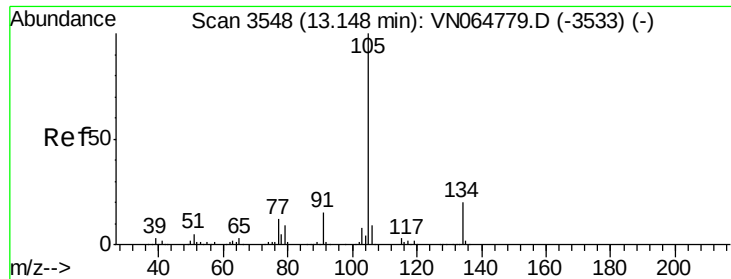
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#84
 1,2,4-Trimethylbenzene
 Concen: 54.371 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.1	69.2





#85

sec-Butylbenzene

Concen: 55.042 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 518561

Ion Ratio Lower Upper

105 100

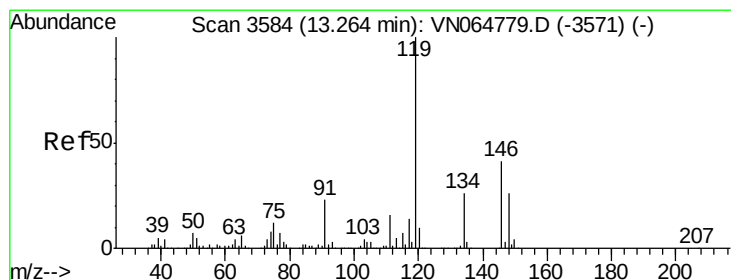
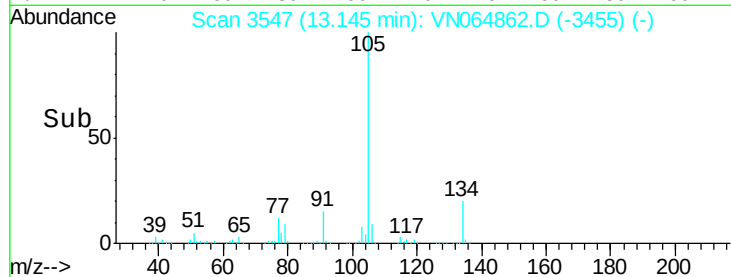
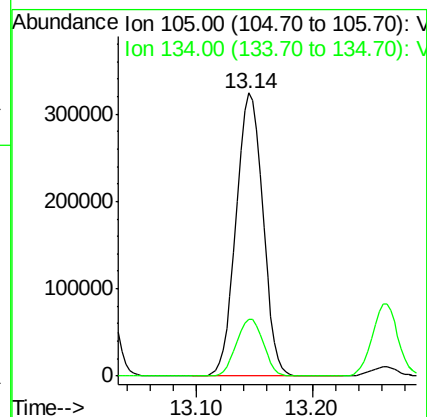
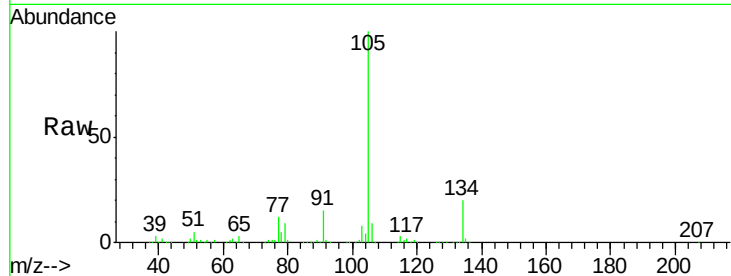
134 20.3 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 56.662 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

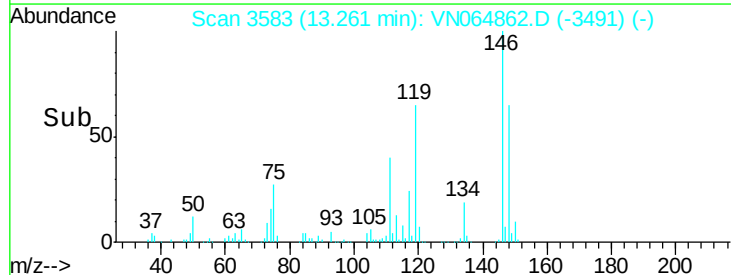
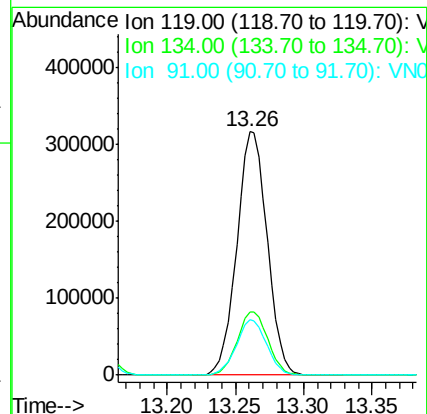
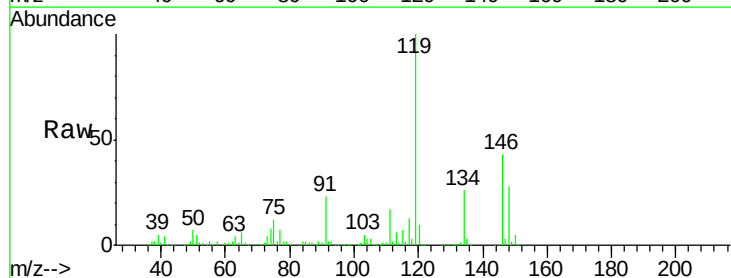
Tgt Ion:119 Resp: 486003

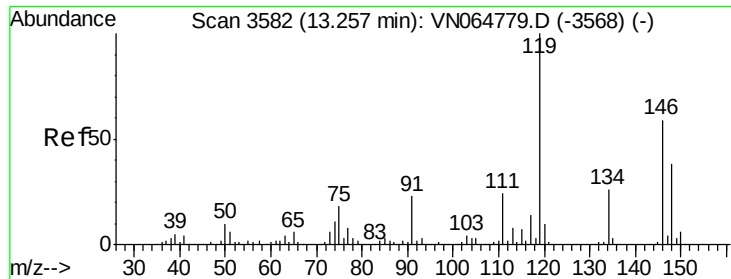
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.1

91 22.6 11.5 34.5





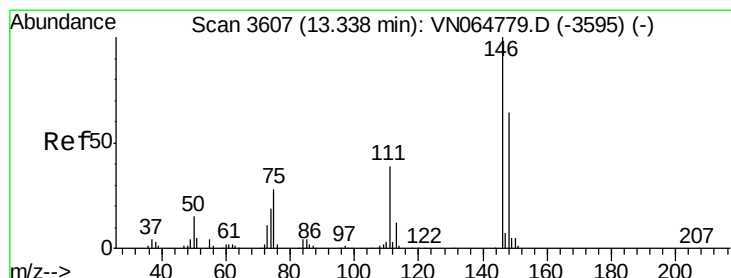
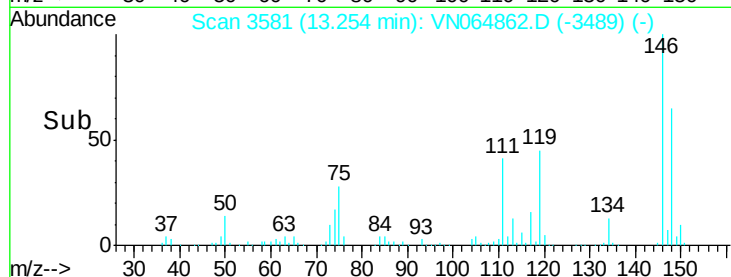
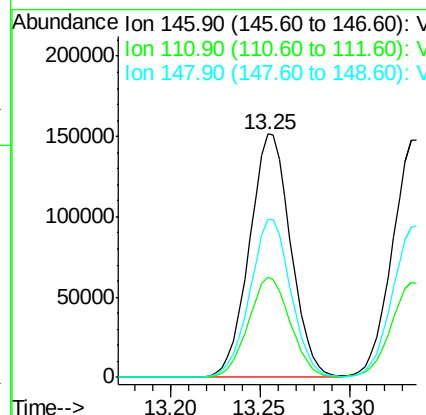
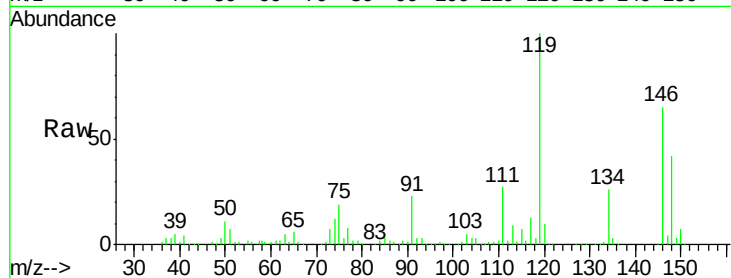
#87
 1,3-Dichlorobenzene
 Concen: 50.310 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.9
148	64.3	31.9	95.5

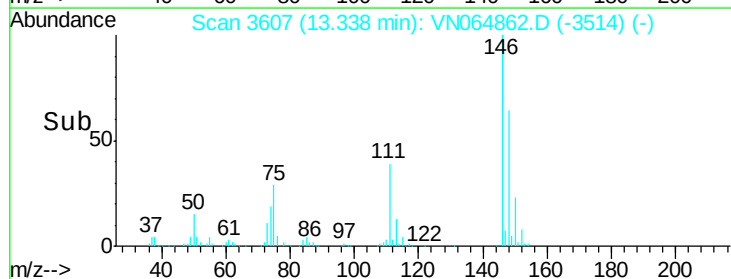
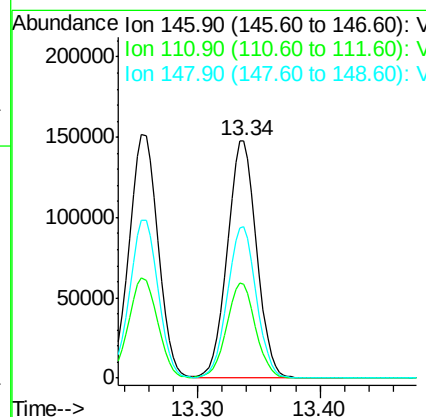
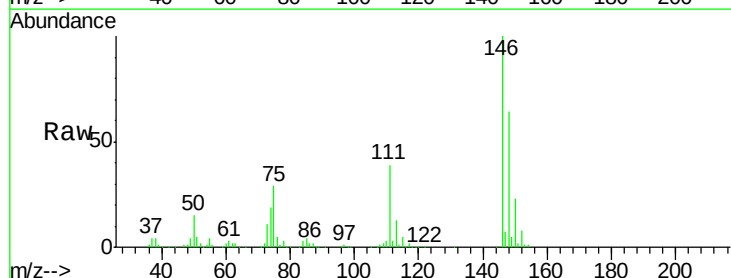
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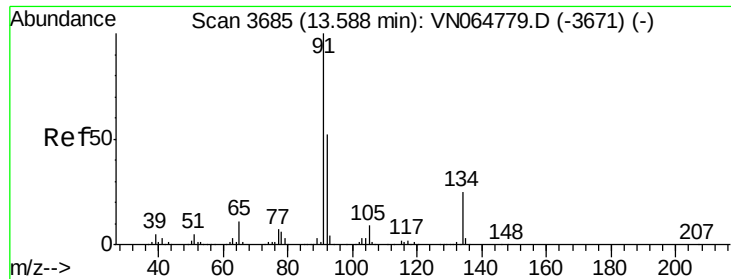
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#88
 1,4-Dichlorobenzene
 Concen: 48.216 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.8	59.3
148	62.9	31.9	95.5





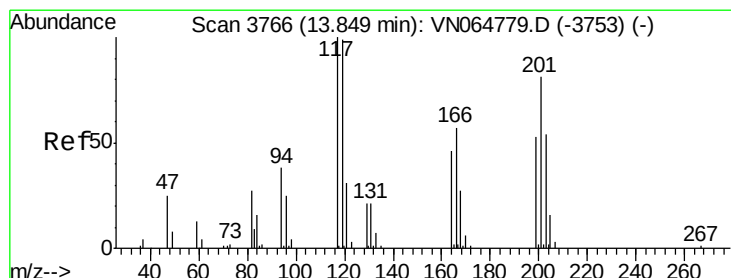
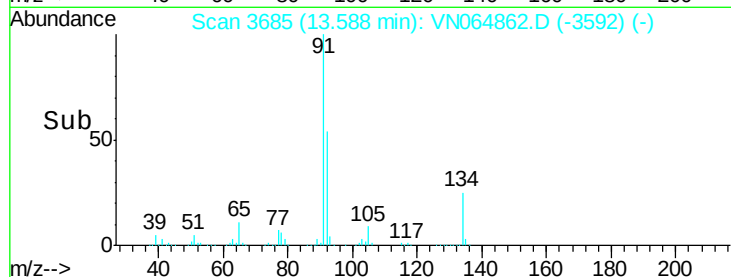
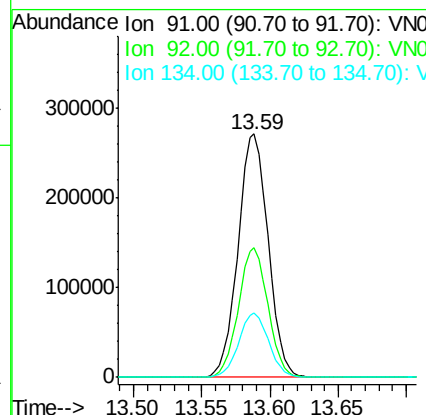
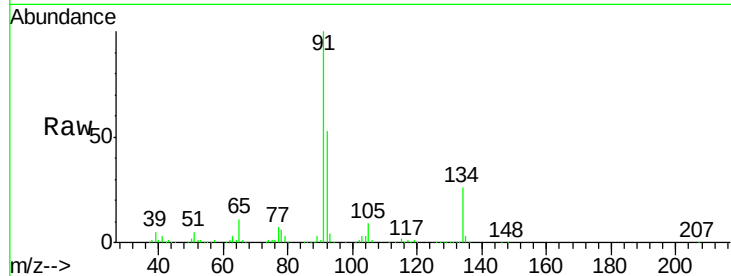
#89
n-Butylbenzene
Concen: 55.189 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.0	78.0
134	26.2	12.9	38.6

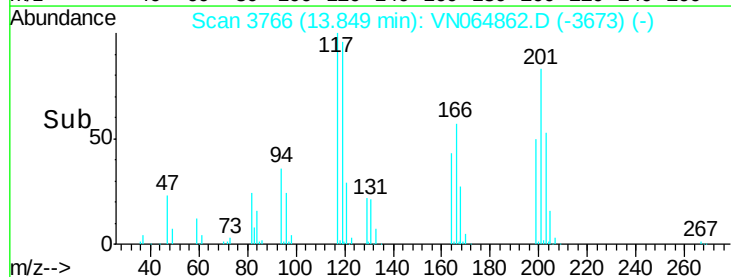
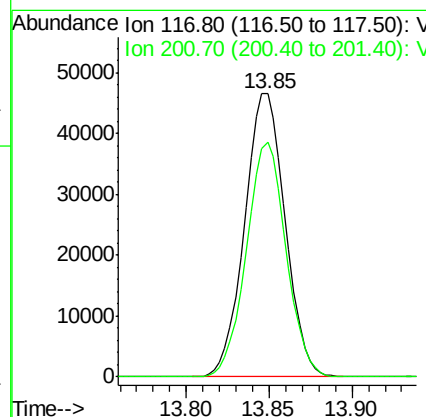
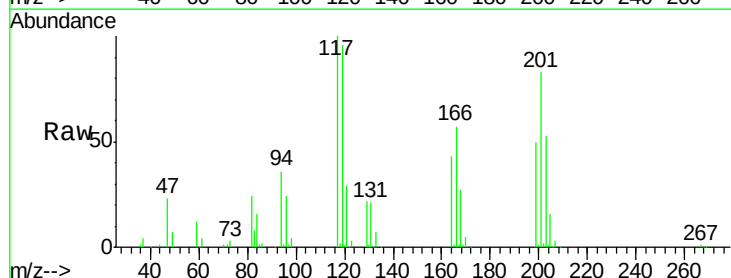
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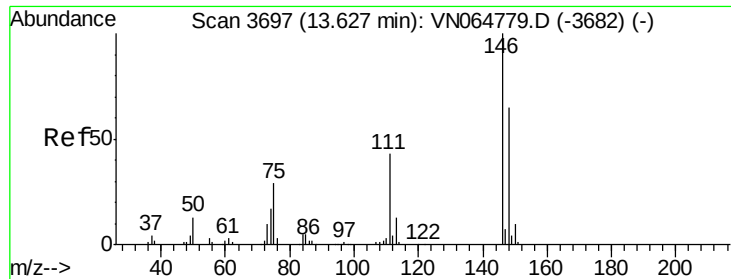
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#90
Hexachloroethane
Concen: 53.013 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064862.D
Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	40.1	120.3





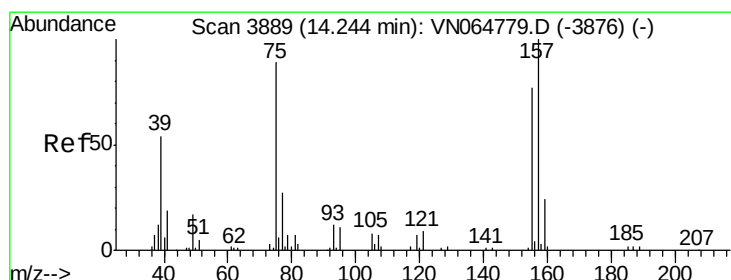
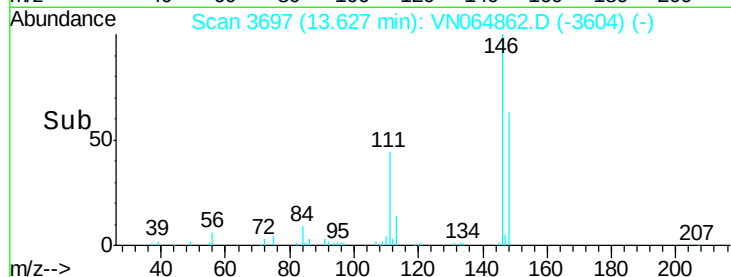
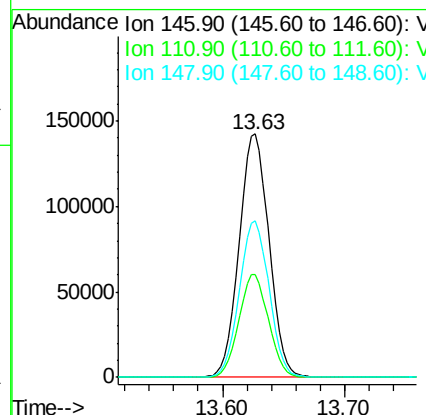
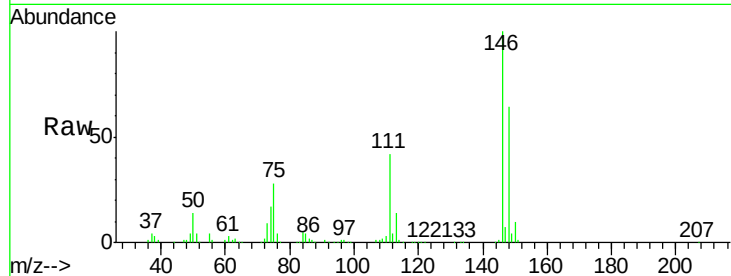
#91
 1,2-Dichlorobenzene
 Concen: 50.402 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.1	63.1
148	63.9	32.0	96.2

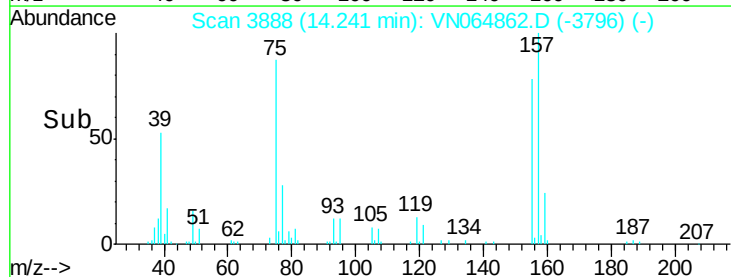
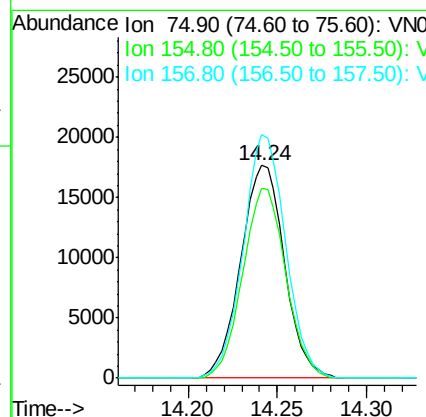
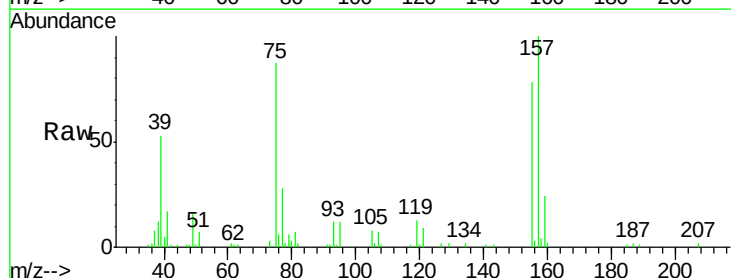
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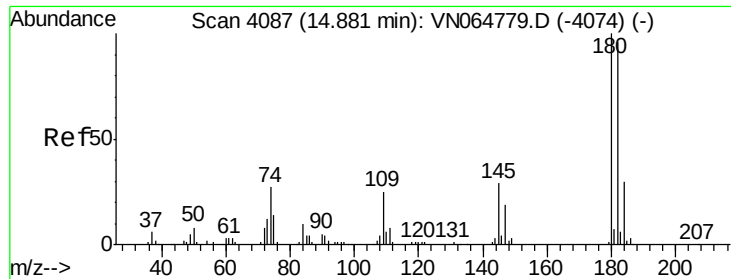
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 12/1/2020 9:34:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.075 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	42.8	128.3
157	110.8	56.4	169.1





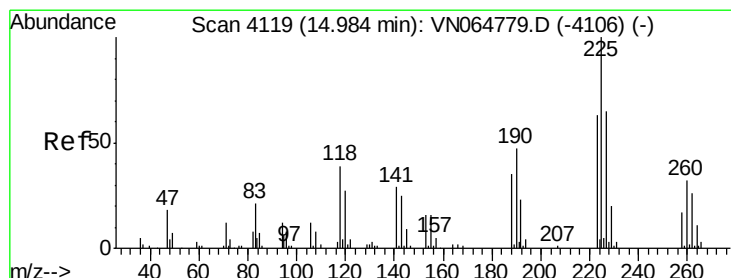
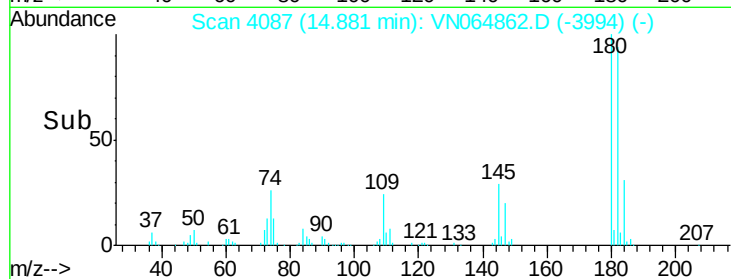
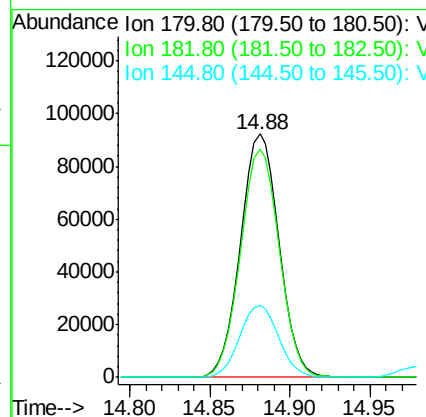
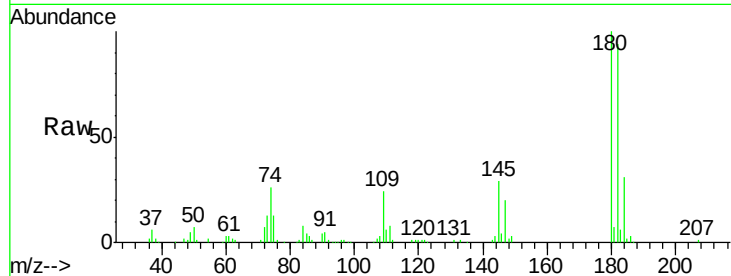
#93
 1,2,4-Trichlorobenzene
 Concen: 51.119 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.6	142.9
145	29.9	15.3	45.8

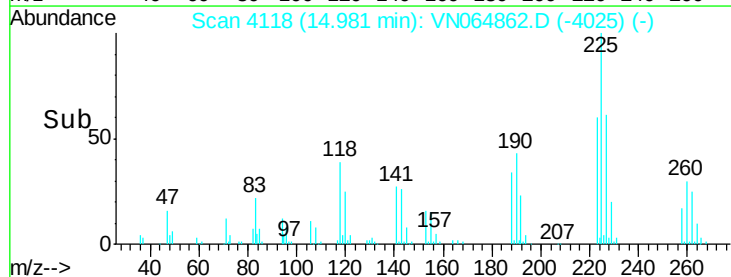
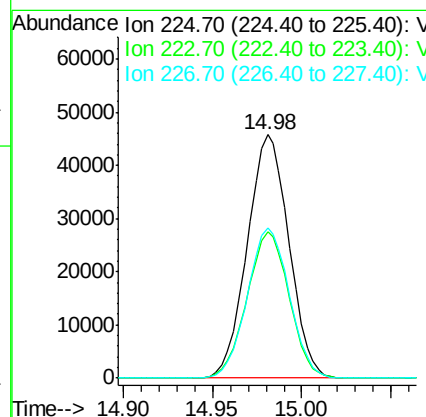
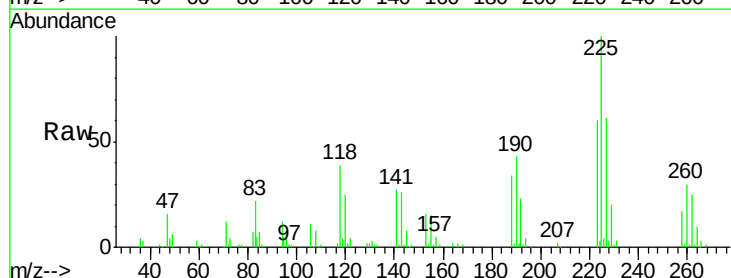
Manual Integrations
 APPROVED

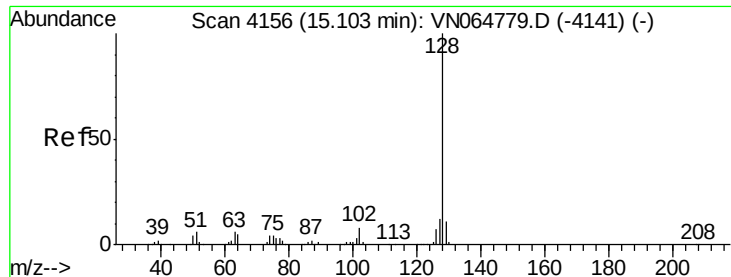
MMDadoda
 12/1/2020 9:34:59 AM



#94
 Hexachlorobutadiene
 Concen: 55.919 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064862.D
 Acq: 30 Nov 2020 10:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	31.0	93.0
227	62.1	32.0	96.0





#95

Naphthalene

Concen: 47.820 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Instrument :

MSVOA_N

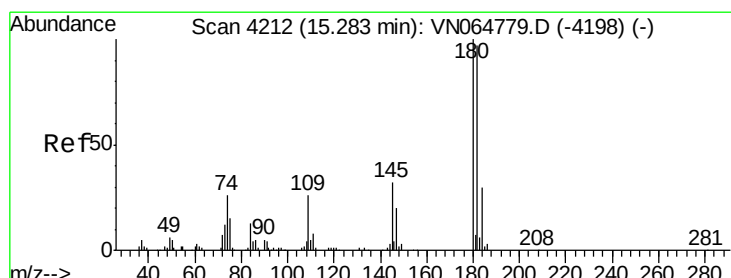
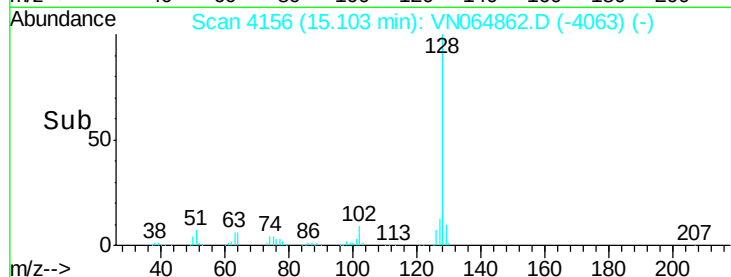
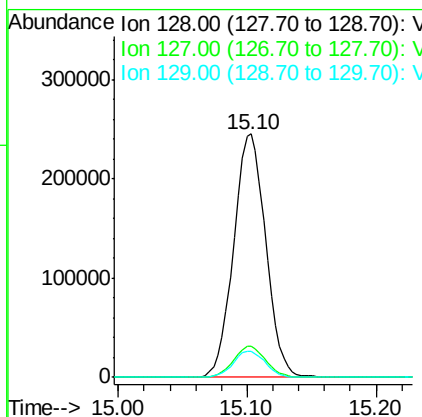
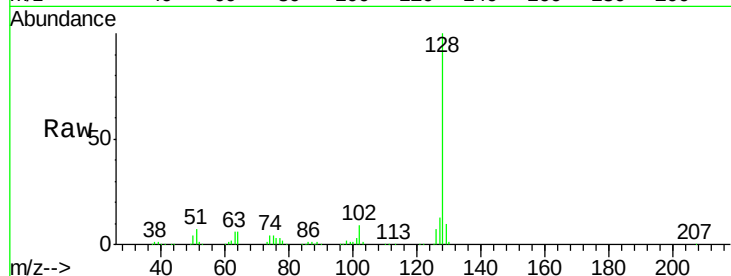
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	424501
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.3	15.5
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
12/1/2020 9:34:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.714 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064862.D

Acq: 30 Nov 2020 10:31

Tgt Ion:	180	Resp:	142862
Ion Ratio	Lower	Upper	
180	100		
182	93.8	48.1	144.4
145	32.7	16.4	49.1

