

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100620\
 Data File : VN063910.D
 Acq On : 6 Oct 2020 22:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/7/2020 12:11:58 PM

Quant Time: Oct 07 05:05:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	270939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	443547	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	421023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	203836	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	216447	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
35) Dibromofluoromethane	7.55	113	151027	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
50) Toluene-d8	10.06	98	555926	47.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.30%	
62) 4-Bromofluorobenzene	12.38	95	212007	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	132861	46.473	ug/l	98
3) Chloromethane	2.04	50	151805	45.255	ug/l	99
4) Vinyl Chloride	2.16	62	153843	45.689	ug/l	100
5) Bromomethane	2.53	94	86805	40.985	ug/l	98
6) Chloroethane	2.67	64	98312	48.861	ug/l	98
7) Trichlorofluoromethane	2.99	101	261527	48.972	ug/l	100
8) Diethyl Ether	3.38	74	90475	50.095	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	135587	47.502	ug/l	98
10) Methyl Iodide	3.91	142	147742	44.578	ug/l	99
11) Tert butyl alcohol	4.73	59	124956	252.857	ug/l	100
12) 1,1-Dichloroethene	3.70	96	134027	49.124	ug/l	96
13) Acrolein	3.57	56	167843	553.394	ug/l	100
14) Allyl chloride	4.28	41	242455	47.834	ug/l	98
15) Acrylonitrile	4.93	53	376605	266.237	ug/l	99
16) Acetone	3.77	43	338952	245.994	ug/l	99
17) Carbon Disulfide	4.01	76	354753	48.134	ug/l	100
18) Methyl Acetate	4.28	43	196563	54.944	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	514658	51.922	ug/l	98
20) Methylene Chloride	4.50	84	160209	50.761	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	147919	48.403	ug/l	93
22) Diisopropyl ether	5.90	45	572804	54.927	ug/l	97
23) Vinyl Acetate	5.85	43	2334821	270.281	ug/l	100
24) 1,1-Dichloroethane	5.80	63	305954	51.311	ug/l	97
25) 2-Butanone	6.78	43	525832	269.174	ug/l	99
26) 2,2-Dichloropropane	6.78	77	242945	44.492	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	174458	49.637	ug/l	98
28) Bromochloromethane	7.15	49	150108	50.935	ug/l	100
29) Tetrahydrofuran	7.16	42	353392	269.723	ug/l	97
30) Chloroform	7.33	83	321720	51.747	ug/l	98
31) Cyclohexane	7.61	56	244864	47.121	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	294085	52.442	ug/l	98
36) 1,1-Dichloropropene	7.75	75	226663	50.442	ug/l	100
37) Ethyl Acetate	6.88	43	223542	50.072	ug/l	99
38) Carbon Tetrachloride	7.73	117	255255	50.658	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	207141	46.225	ug/l	99
40) Benzene	8.00	78	661155	51.513	ug/l	100
41) Methacrylonitrile	7.13	41	102709m	51.764	ug/l	
42) 1,2-Dichloroethane	8.09	62	281079	51.304	ug/l	100
43) Isopropyl Acetate	8.13	43	392698	53.328	ug/l	100
44) Trichloroethene	8.80	130	166911	49.633	ug/l	97
45) 1,2-Dichloropropane	9.08	63	180086	51.954	ug/l	99
46) Dibromomethane	9.17	93	121749	50.916	ug/l	99
47) Bromodichloromethane	9.37	83	260588	52.878	ug/l	100
48) Methyl methacrylate	9.17	41	203908	56.046	ug/l	92
49) 1,4-Dioxane	9.17	88	50387	974.471	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1190360	275.454	ug/l	99
52) Toluene	10.13	92	414595	52.224	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	274325	51.929	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	286042	51.775	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	165271	51.912	ug/l	99
56) Ethyl methacrylate	10.40	69	245617	54.427	ug/l	97
57) 1,3-Dichloropropane	10.68	76	285389	52.984	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	655202	271.425	ug/l	100
59) 2-Hexanone	10.72	43	865649	269.652	ug/l	98
60) Dibromochloromethane	10.87	129	195214	52.651	ug/l	99
61) 1,2-Dibromoethane	10.98	107	176886	54.315	ug/l	98
64) Tetrachloroethene	10.60	164	155419	47.714	ug/l	97
65) Chlorobenzene	11.41	112	441165	51.081	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	176883	53.423	ug/l	98
67) Ethyl Benzene	11.48	91	815409	51.886	ug/l	99
68) m/p-Xylenes	11.59	106	604696	103.242	ug/l	99
69) o-Xylene	11.92	106	288002	52.609	ug/l	99
70) Styrene	11.94	104	501942	54.015	ug/l	99
71) Bromoform	12.10	173	134265	53.021	ug/l #	98
73) Isopropylbenzene	12.23	105	775026	52.128	ug/l	100
74) N-amyl acetate	12.04	43	353630	51.123	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	238881	52.543	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	220495m	49.071	ug/l	
77) Bromobenzene	12.50	156	192303	52.712	ug/l	100
78) n-propylbenzene	12.57	91	882560	51.006	ug/l	100
79) 2-Chlorotoluene	12.65	91	548885	51.579	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	661107	53.002	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	79264	50.807	ug/l	99
82) 4-Chlorotoluene	12.75	91	579174	52.427	ug/l	98
83) tert-Butylbenzene	12.97	119	527901	51.741	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	658602	52.886	ug/l	98
85) sec-Butylbenzene	13.15	105	683444	51.000	ug/l	100
86) p-Isopropyltoluene	13.26	119	618812	52.198	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	342621	51.912	ug/l	98
88) 1,4-Dichlorobenzene	13.34	146	337194	49.068	ug/l	99
89) n-Butylbenzene	13.59	91	521009	47.616	ug/l	99
90) Hexachloroethane	13.85	117	119212	51.894	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	340291	52.055	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	52809	49.530	ug/l	96

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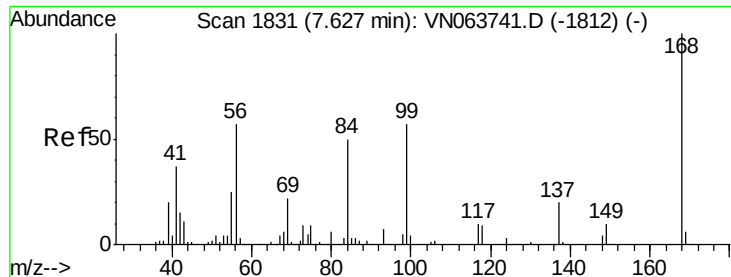
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	161547	45.605	ug/l	99
94) Hexachlorobutadiene	14.98	225	92553	52.215	ug/l	99
95) Naphthalene	15.10	128	492036	44.939	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	157511	45.822	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 270939

Ion Ratio Lower Upper

168 100

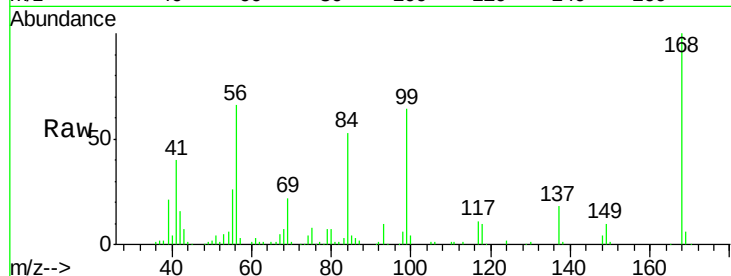
99 63.2 51.8 77.6

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

7.63

120000

100000

80000

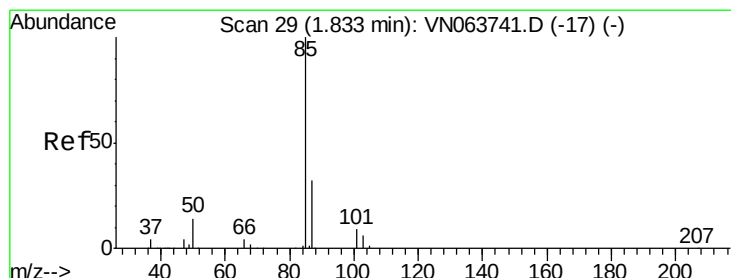
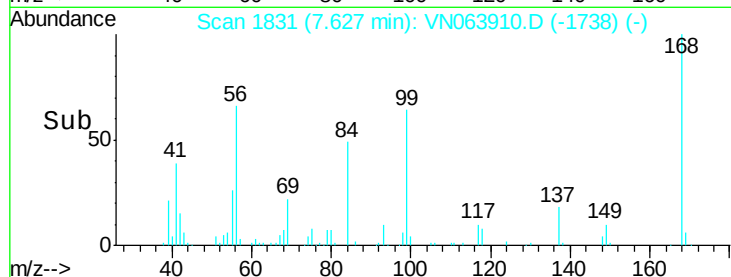
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 46.473 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063910.D

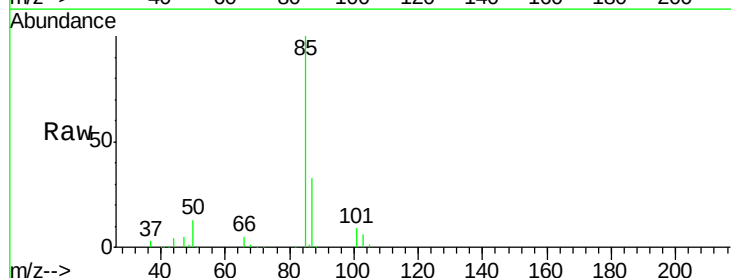
Acq: 6 Oct 2020 22:18

Tgt Ion: 85 Resp: 132861

Ion Ratio Lower Upper

85 100

87 33.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

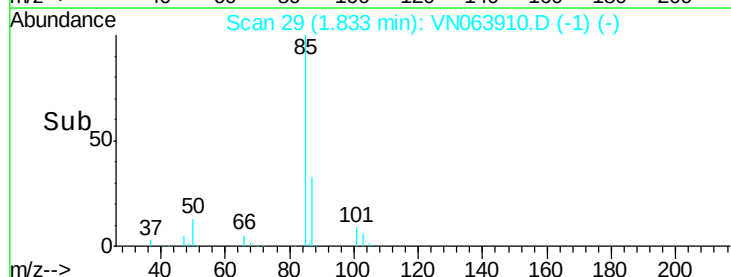
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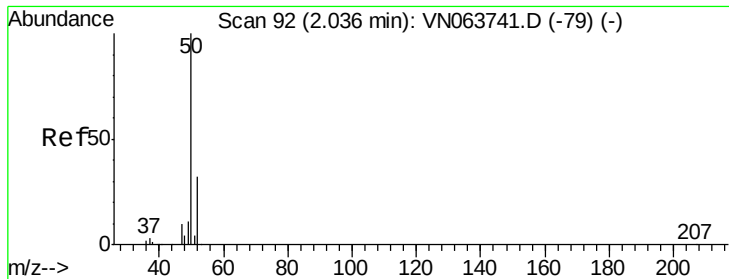
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 45.255 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 151805

Ion Ratio Lower Upper

50 100

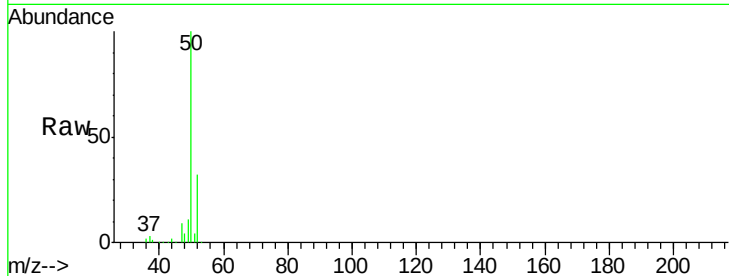
52 31.7 25.8 38.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

120000

100000

80000

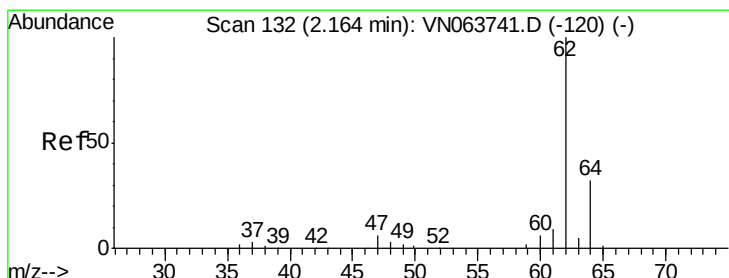
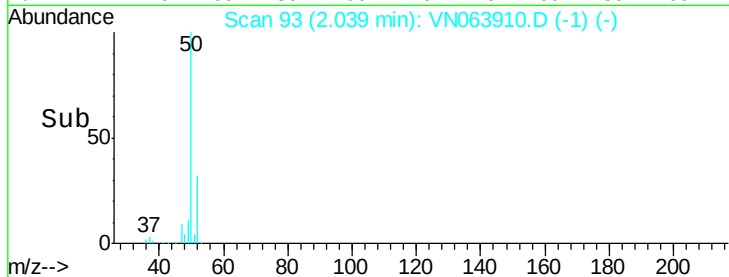
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 45.689 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063910.D

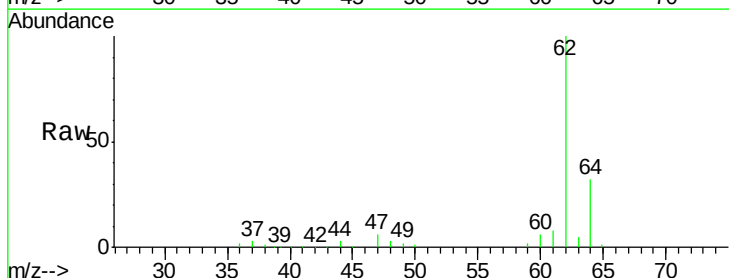
Acq: 6 Oct 2020 22:18

Tgt Ion: 62 Resp: 153843

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.16

120000

100000

80000

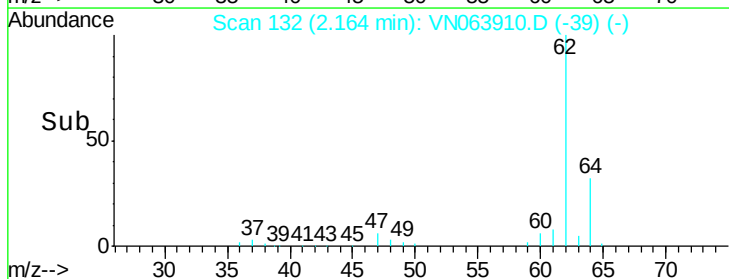
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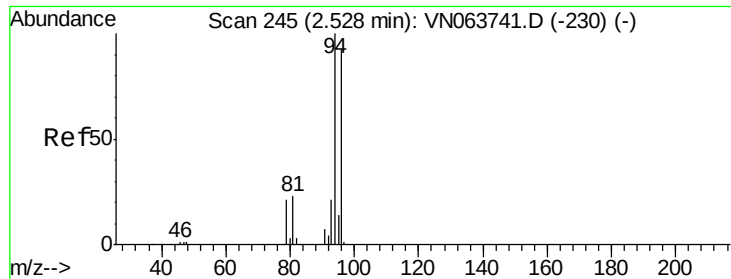
40000

20000

0

Time-->





#5

Bromomethane

Concen: 40.985 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 86805

Ion Ratio Lower Upper

94 100

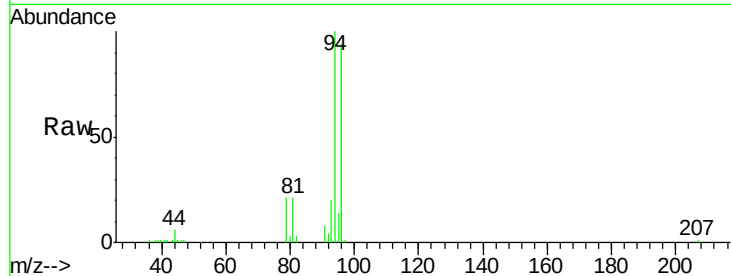
96 93.6 73.3 109.9

Manual Integrations

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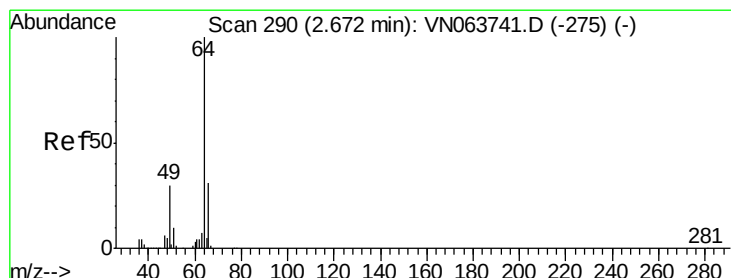
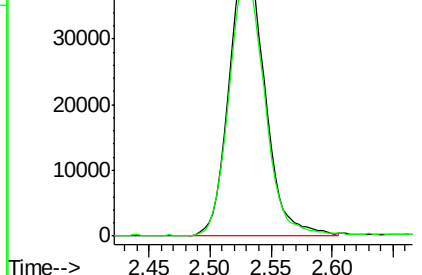
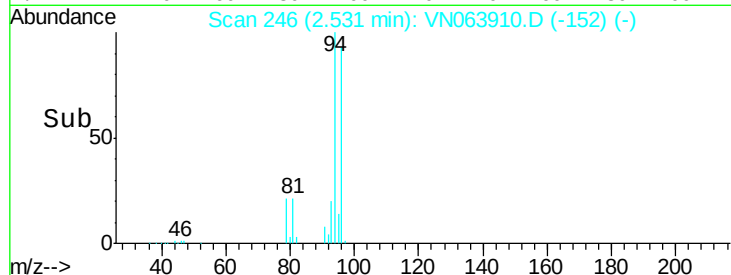


Abundance Ion 93.90 (93.60 to 94.60): VN063910.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VN063910.D (-152) (-)

2.53

Time-->



#6

Chloroethane

Concen: 48.861 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063910.D

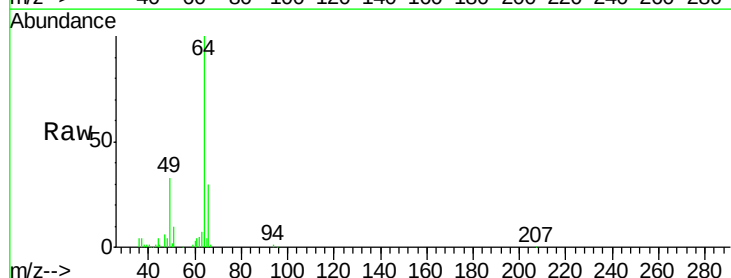
Acq: 6 Oct 2020 22:18

Tgt Ion: 64 Resp: 98312

Ion Ratio Lower Upper

64 100

66 30.5 25.1 37.7

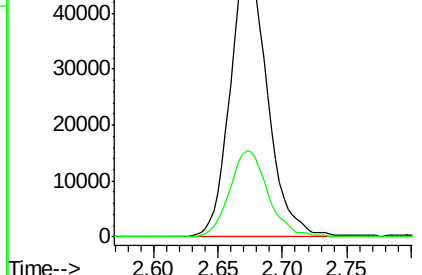
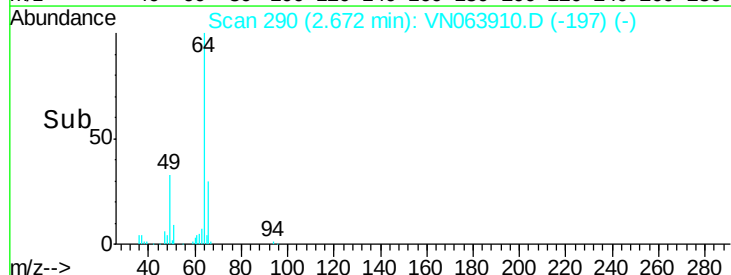


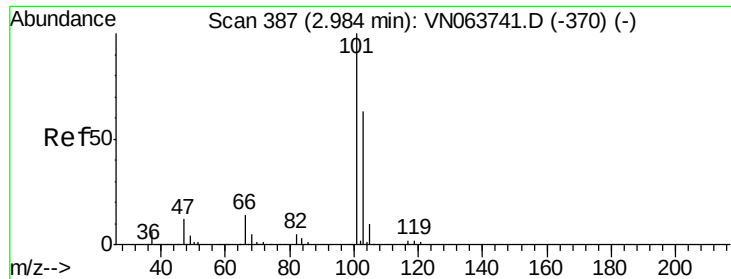
Abundance Ion 63.90 (63.60 to 64.60): VN063910.D (-197) (-)

Ion 65.90 (65.60 to 66.60): VN063910.D (-197) (-)

2.67

Time-->





#7

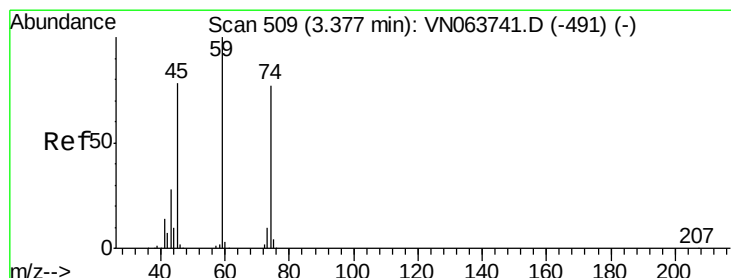
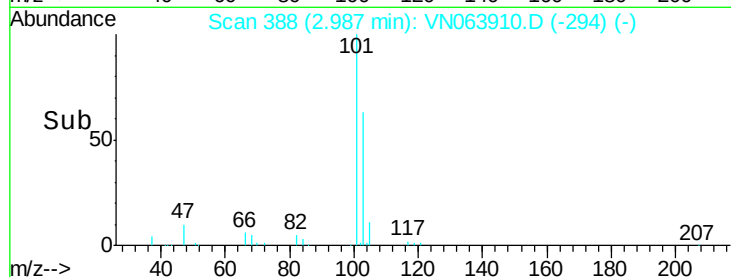
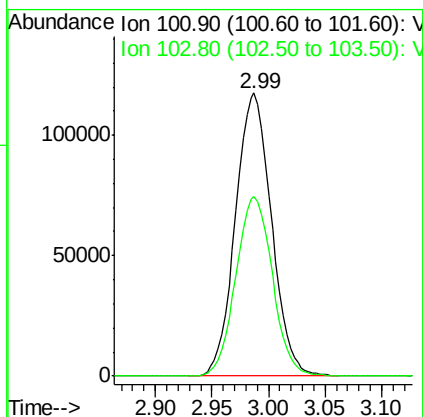
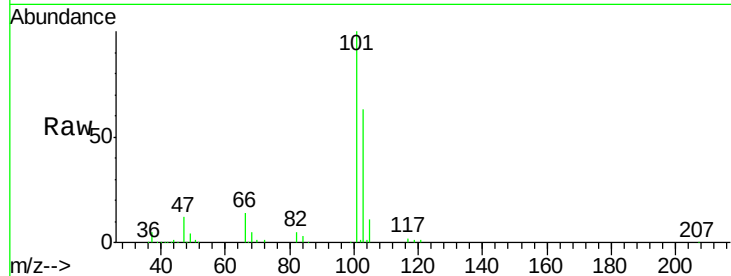
Trichlorofluoromethane
Concen: 48.972 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.7	76.1

Manual Integrations
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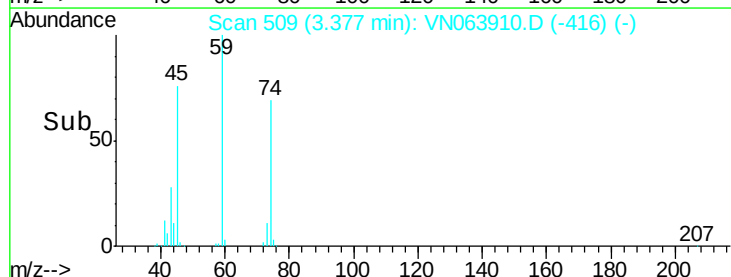
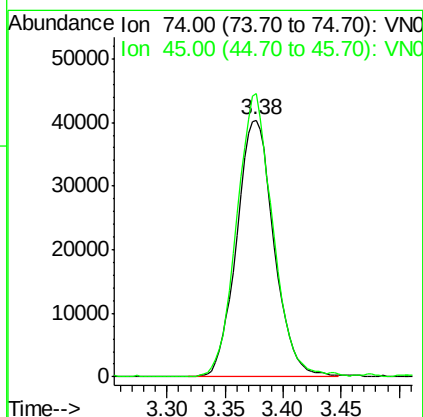
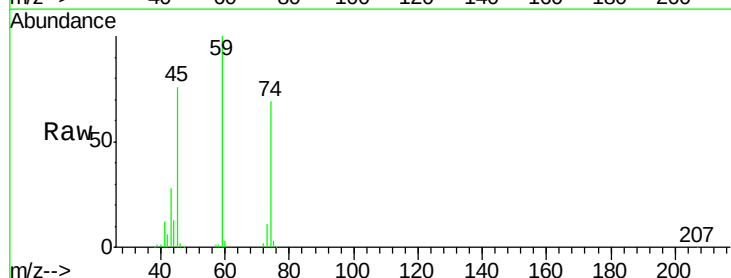
MMDadoda
10/7/2020 12:11:58 PM

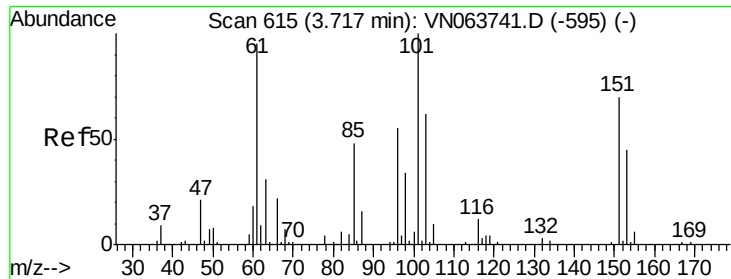


#8

Diethyl Ether
Concen: 50.095 ug/l
RT: 3.38 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	106.4	50.9	152.8





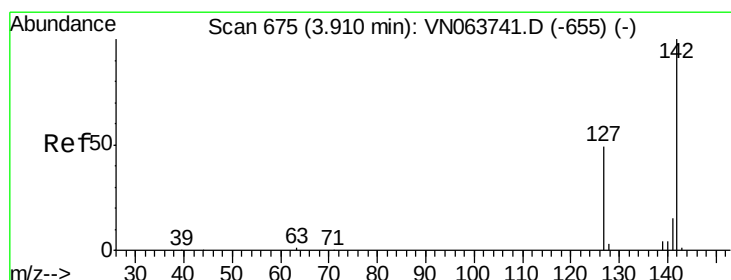
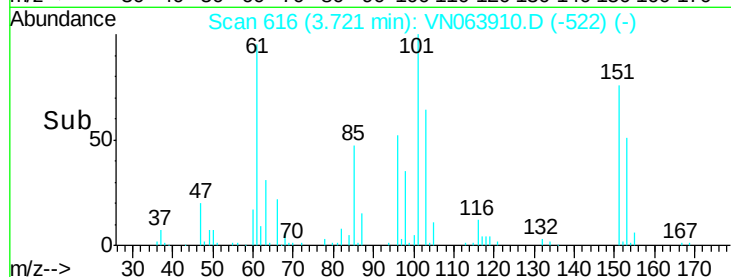
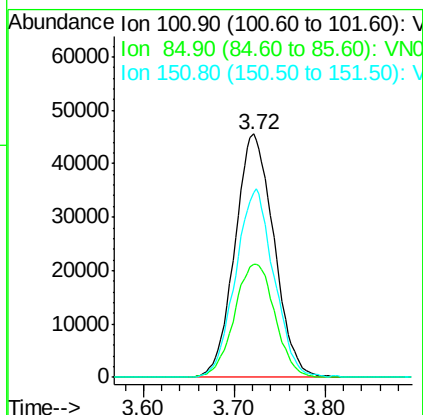
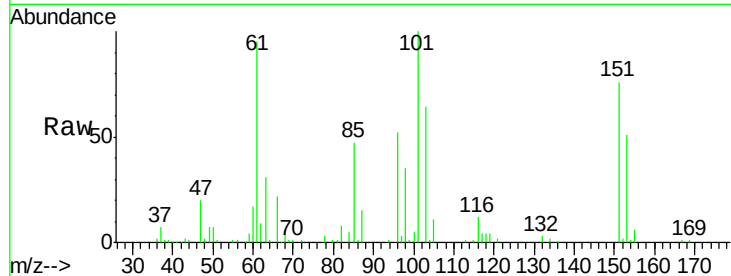
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.502 ug/l
RT: 3.72 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	48.1	38.6	58.0
151	76.1	58.7	88.1

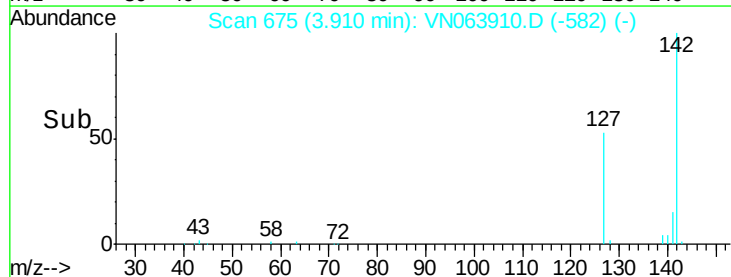
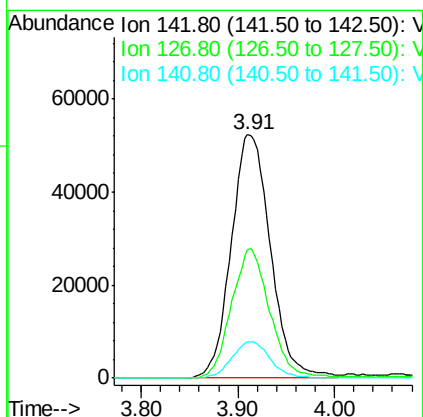
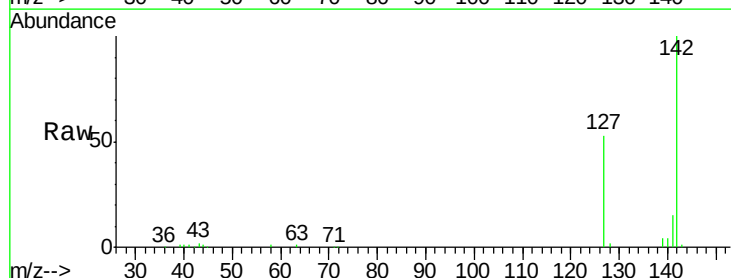
Manual Integrations
APPROVED

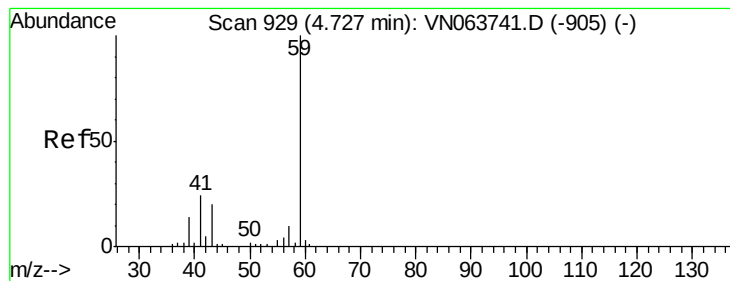
MMDadoda
10/7/2020 12:11:58 PM



#10
Methyl Iodide
Concen: 44.578 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
142	100		
127	51.6	40.5	60.7
141	14.5	11.7	17.5





#11

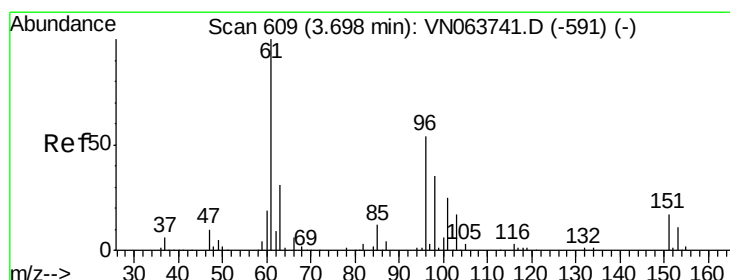
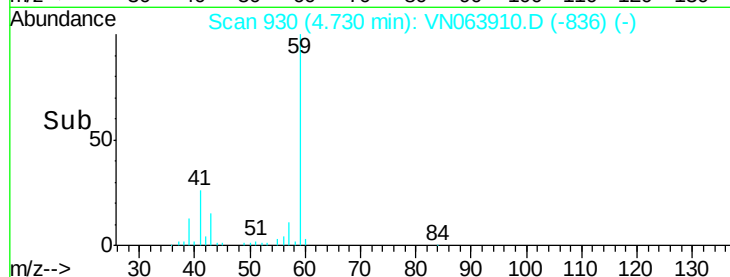
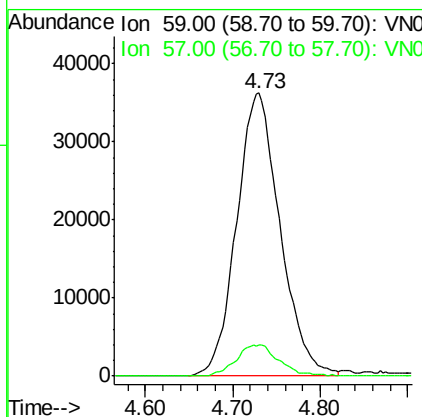
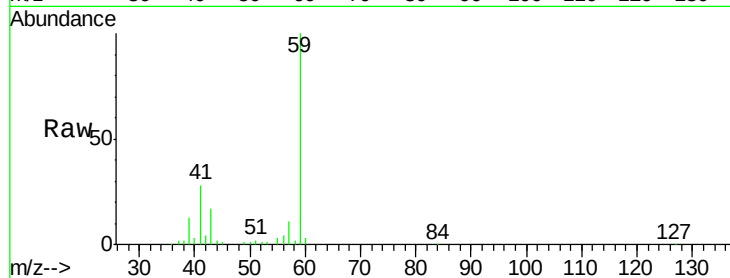
Tert butyl alcohol
Concen: 252.857 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.7	13.1

Manual Integrations
APPROVED

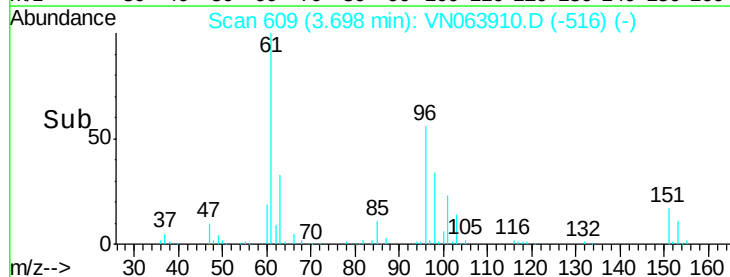
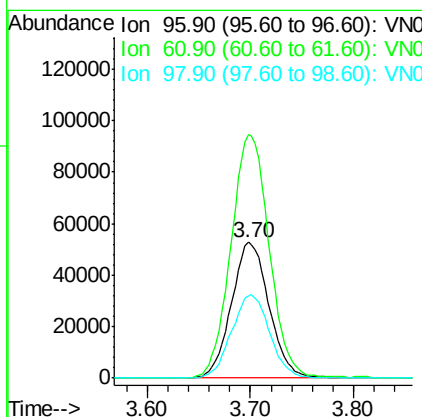
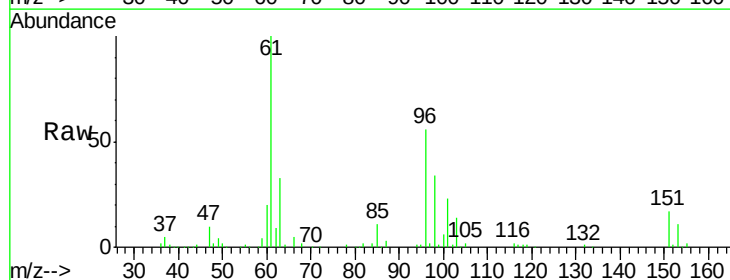
MMDadoda
10/7/2020 12:11:58 PM

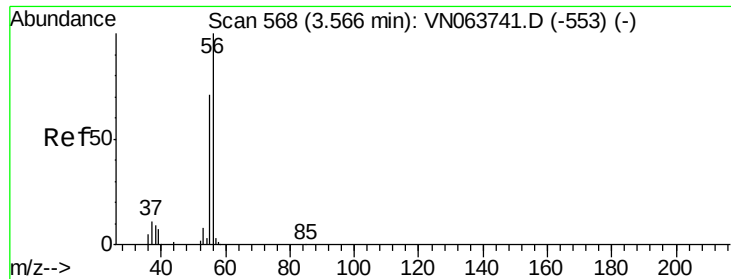


#12

1,1-Dichloroethene
Concen: 49.124 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.1	147.7	221.5
98	60.9	51.9	77.9





#13

Acrolein

Concen: 553.394 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 167843

Ion Ratio Lower Upper

56 100

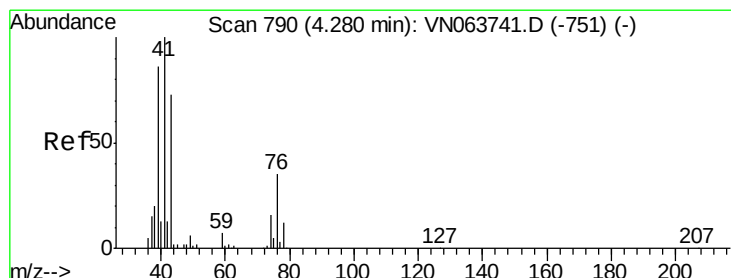
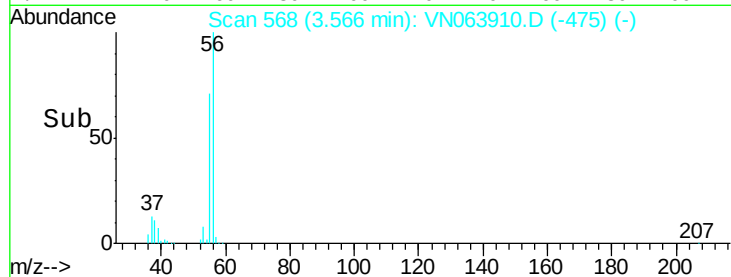
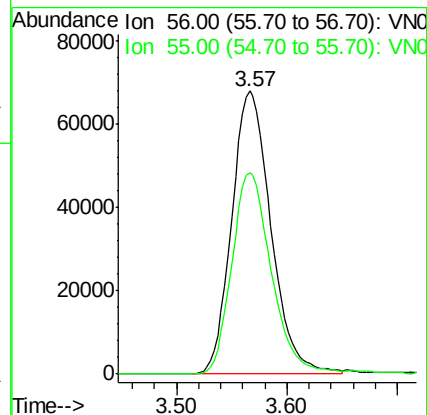
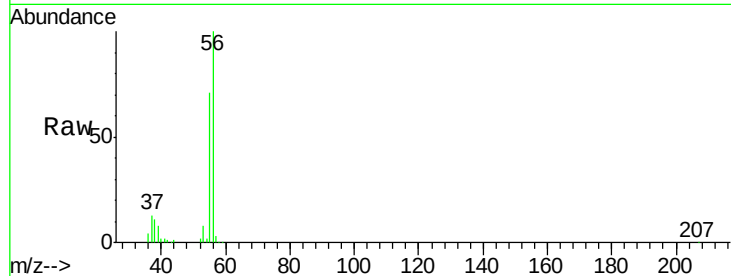
55 71.4 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 47.834 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

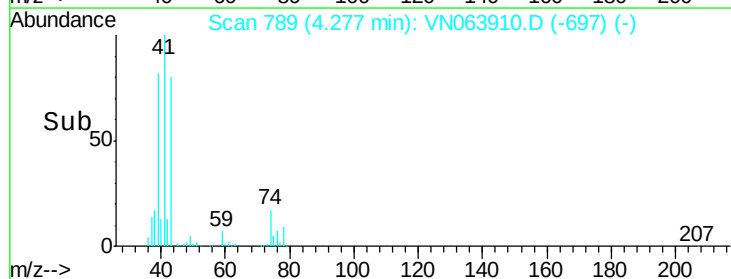
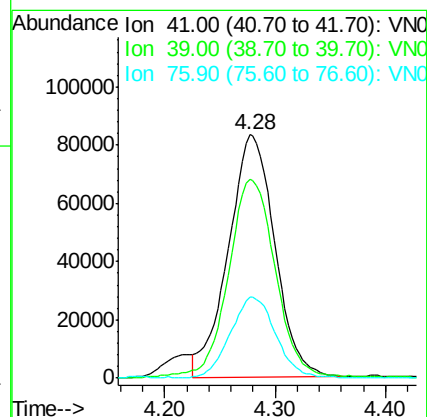
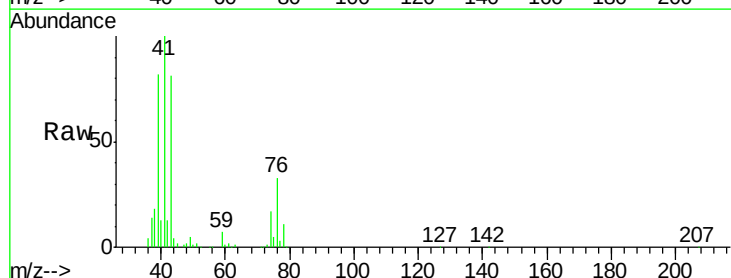
Tgt Ion: 41 Resp: 242455

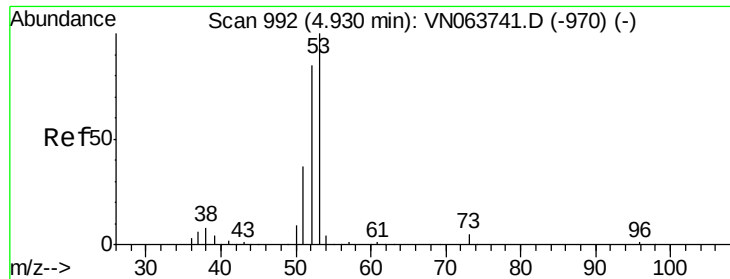
Ion Ratio Lower Upper

41 100

39 82.4 64.5 96.7

76 31.9 25.9 38.9





#15

Acrylonitrile

Concen: 266.237 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

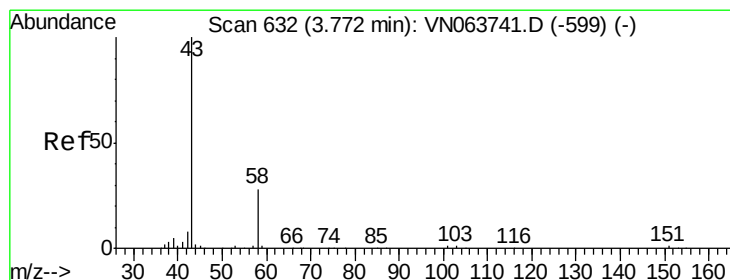
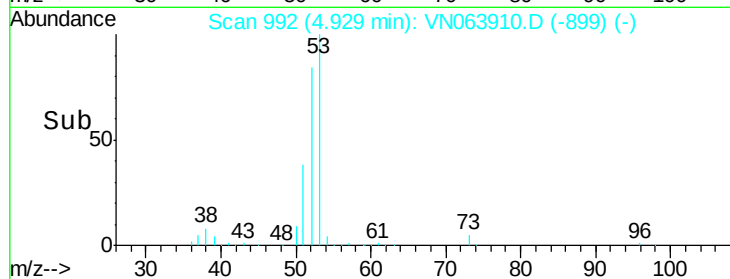
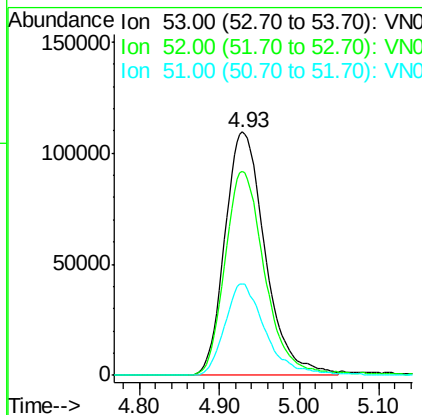
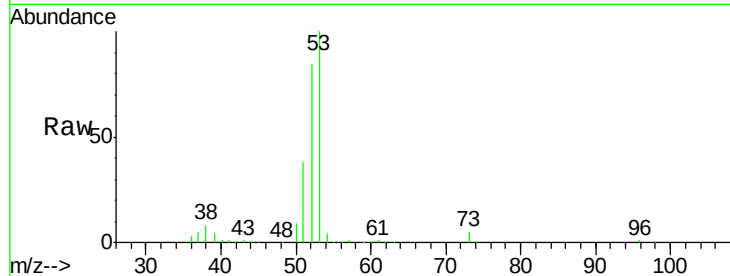
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	376605
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.5	99.7
51	37.7	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 245.994 ug/l

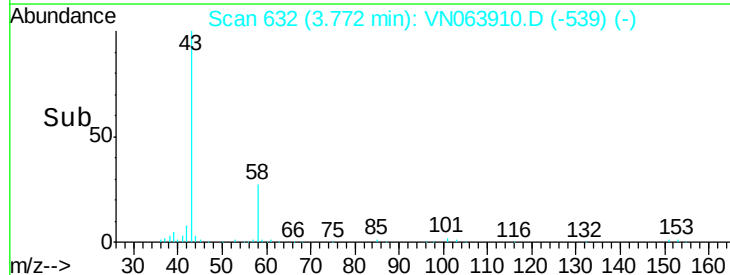
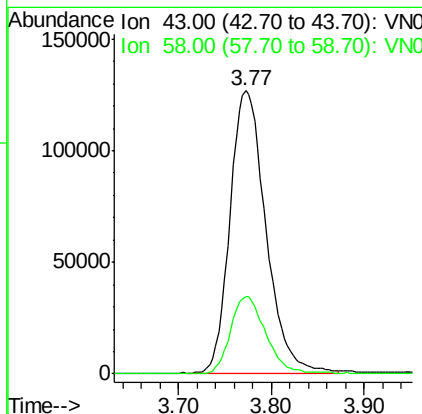
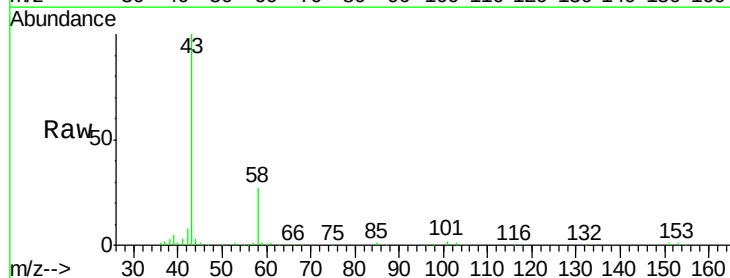
RT: 3.77 min Scan# 632

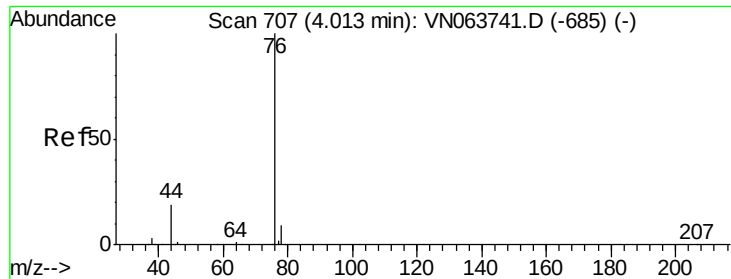
Delta R.T. -0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Tgt Ion:	43	Resp:	338952
Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.3	33.5





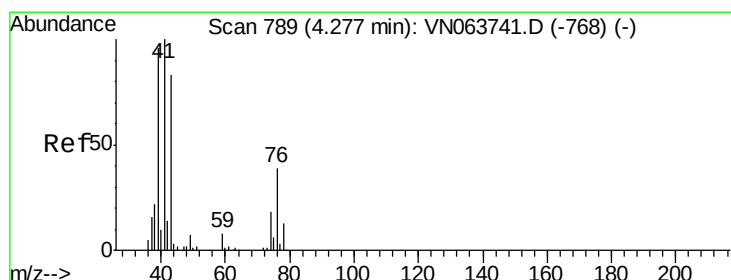
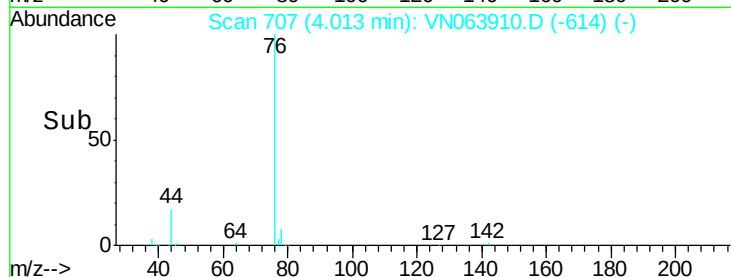
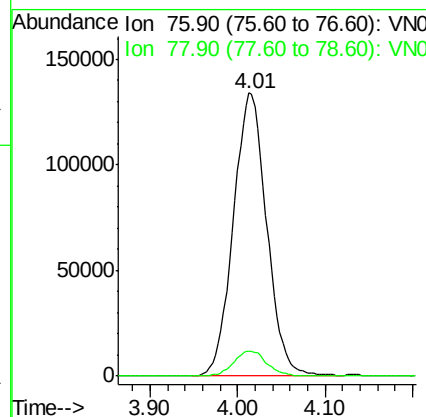
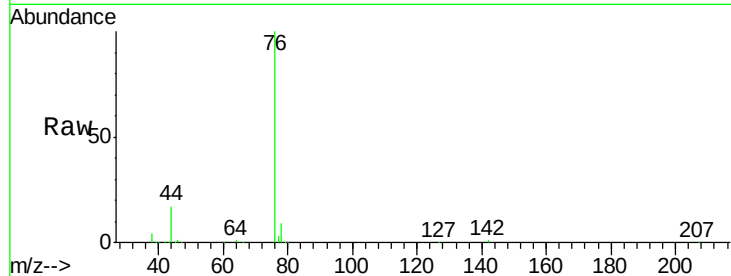
#17
Carbon Disulfide
Concen: 48.134 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

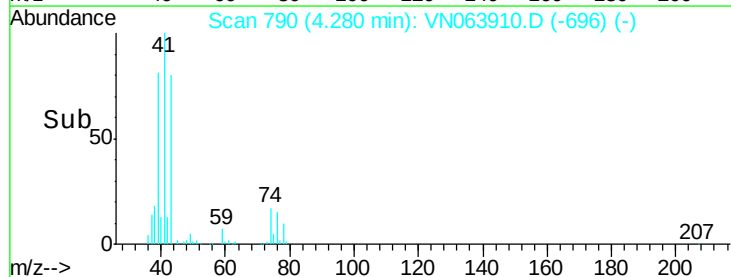
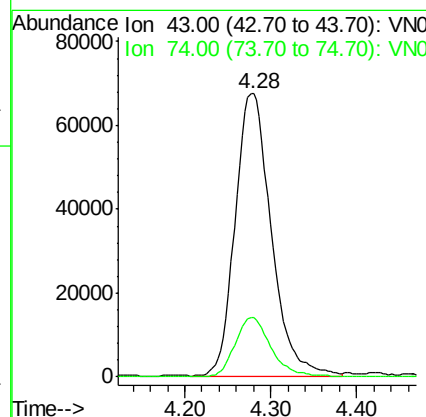
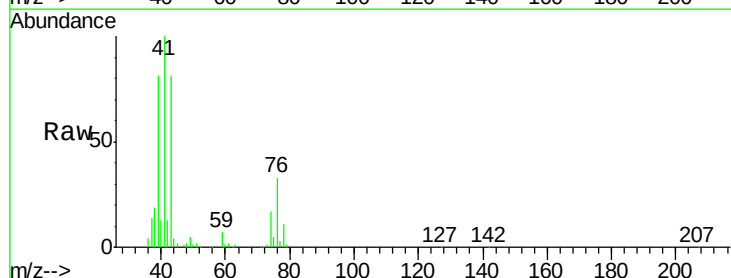
Manual Integrations
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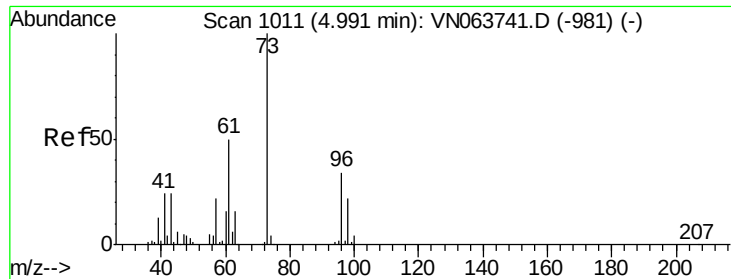
MMDadoda
10/7/2020 12:11:58 PM



#18
Methyl Acetate
Concen: 54.944 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.4	26.2





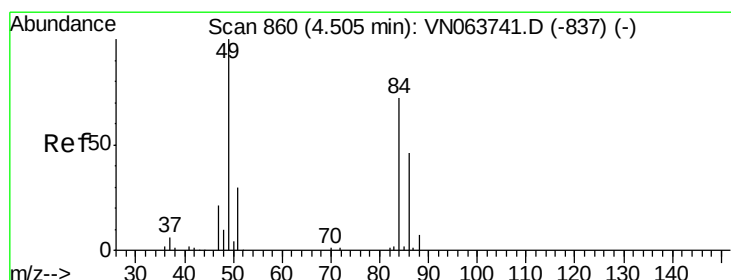
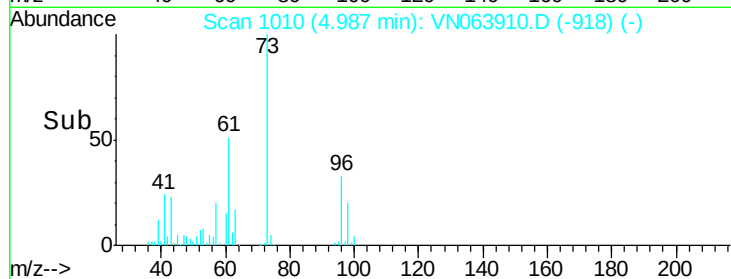
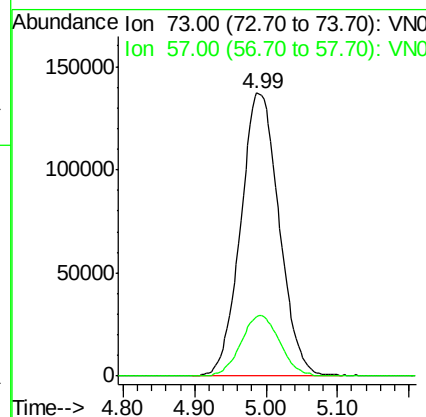
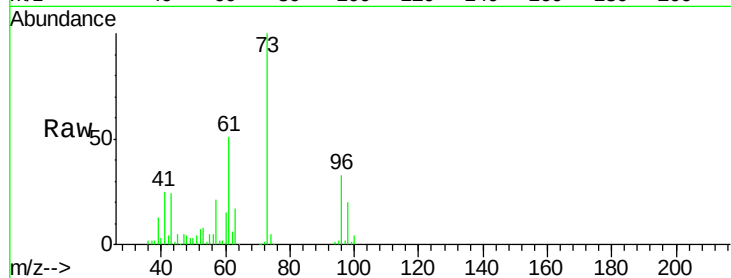
#19
Methvl tert-butyl Ether
Concen: 51.922 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 514658
Ion Ratio Lower Upper
73 100
57 21.1 17.6 26.4

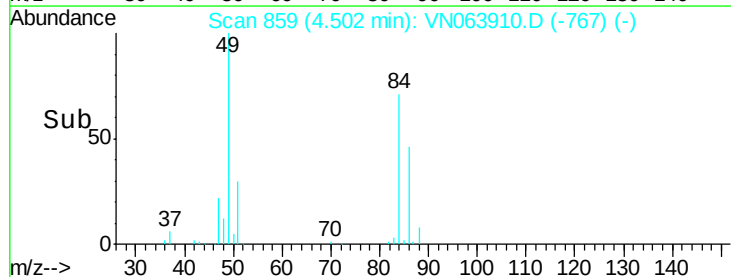
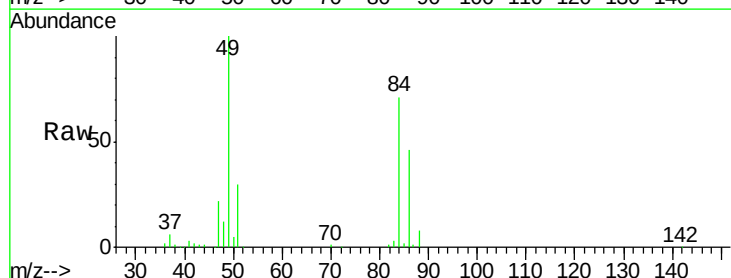
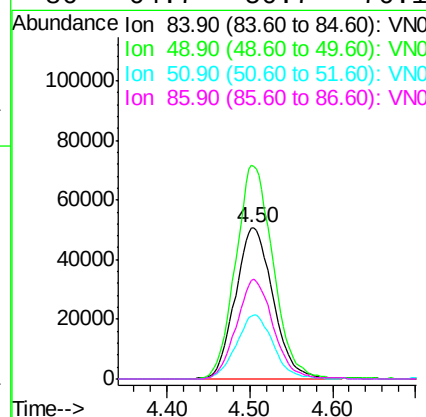
Manual Integrations
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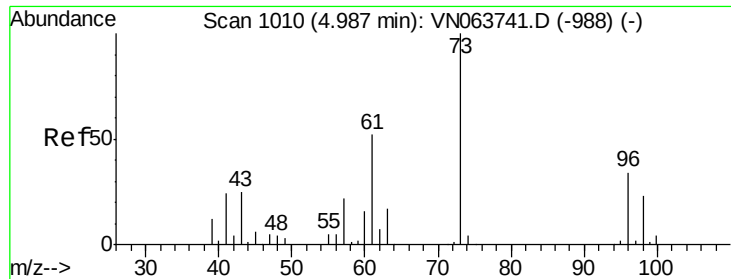
MMDadoda
10/7/2020 12:11:58 PM



#20
Methylene Chloride
Concen: 50.761 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion: 84 Resp: 160209
Ion Ratio Lower Upper
84 100
49 141.1 110.4 165.6
51 41.8 33.3 49.9
86 64.7 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 48.403 ug/l

RT: 4.99 min Scan# 1012

Delta R.T. 0.01 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 147919

Ion Ratio Lower Upper

96 100

61 159.8 120.2 180.2

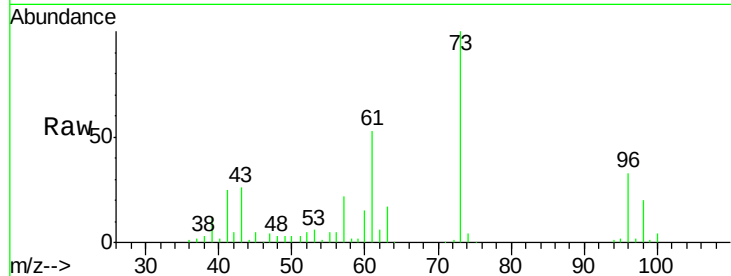
98 60.8 52.6 79.0

Manual Integrations

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MMDadoda

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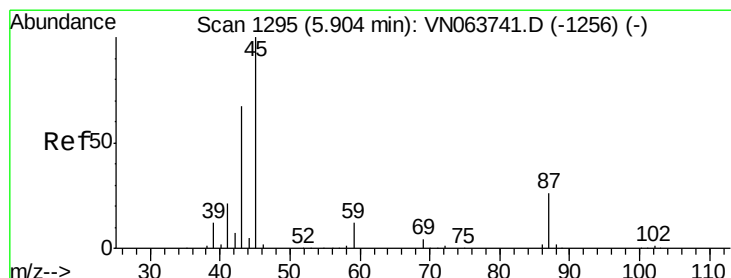
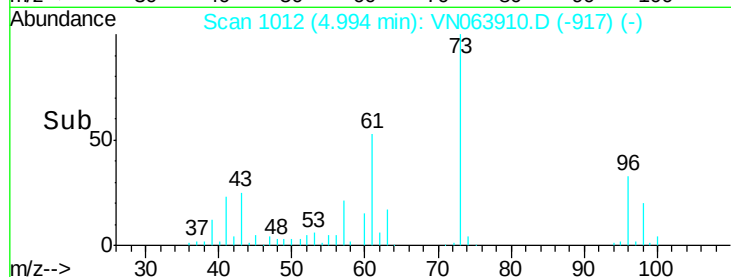
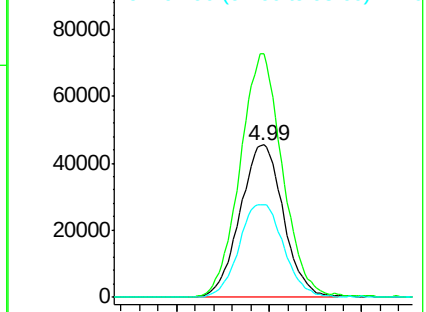


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 54.927 ug/l

RT: 5.90 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Tgt Ion: 45 Resp: 572804

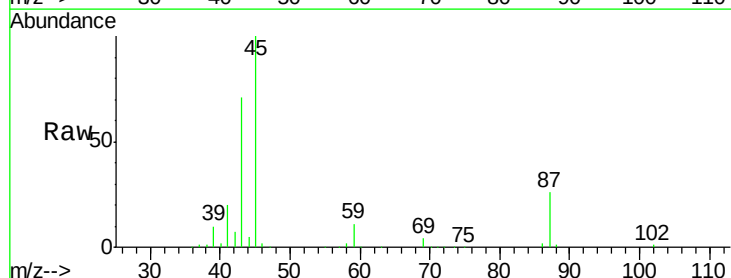
Ion Ratio Lower Upper

45 100

43 70.3 53.7 80.5

87 25.7 21.1 31.7

59 10.9 9.2 13.8



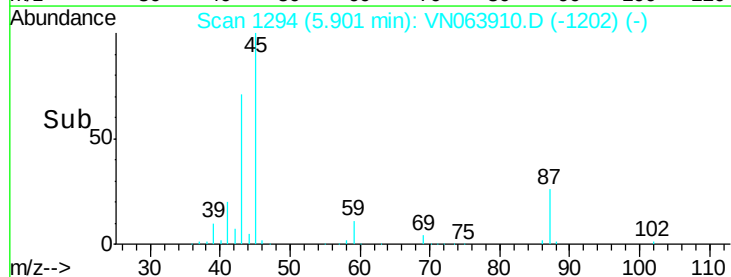
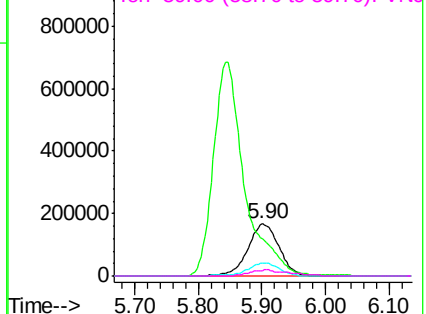
Abundance

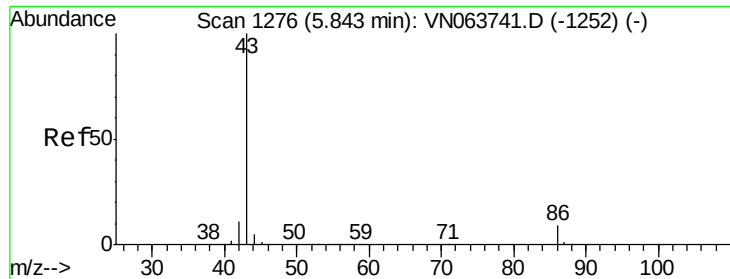
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 270.281 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2334821

Ion Ratio Lower Upper

43 100

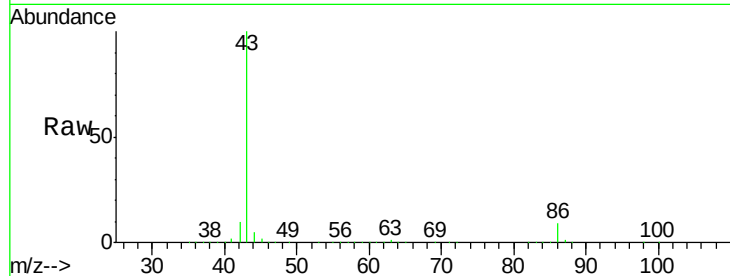
86 9.0 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

800000

600000

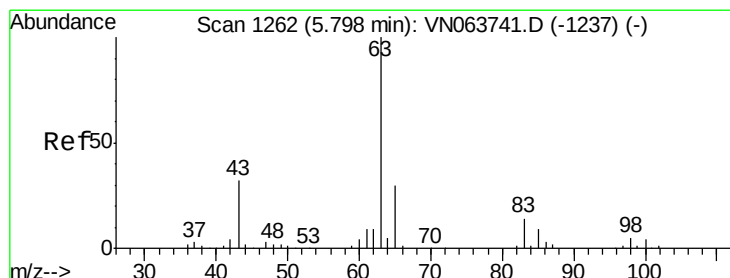
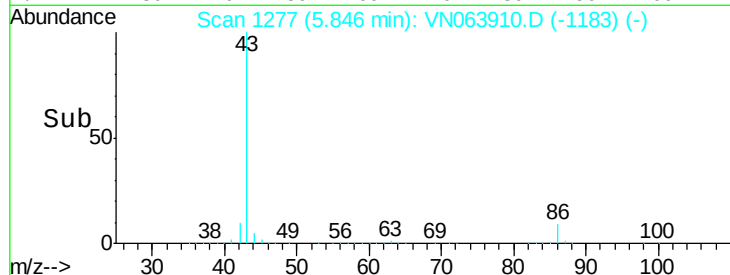
400000

200000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 51.311 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

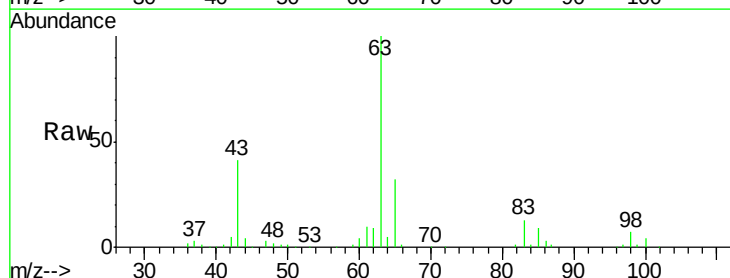
Tgt Ion: 63 Resp: 305954

Ion Ratio Lower Upper

63 100

98 6.7 2.7 8.1

100 4.3 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

120000

100000

80000

60000

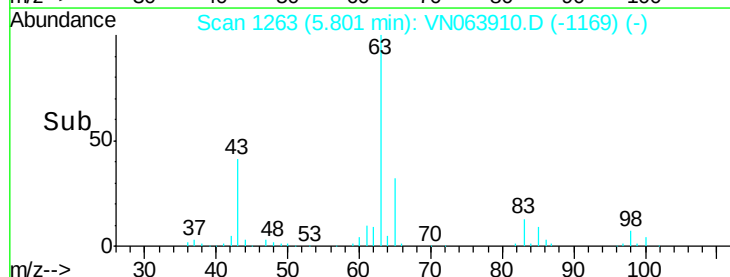
40000

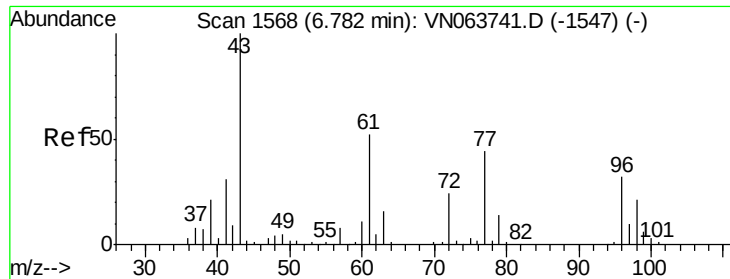
20000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 269.174 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 525832

Ion Ratio Lower Upper

43 100

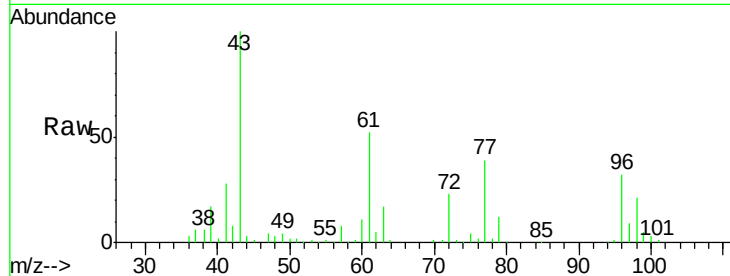
72 23.4 19.3 28.9

Manual Integrations

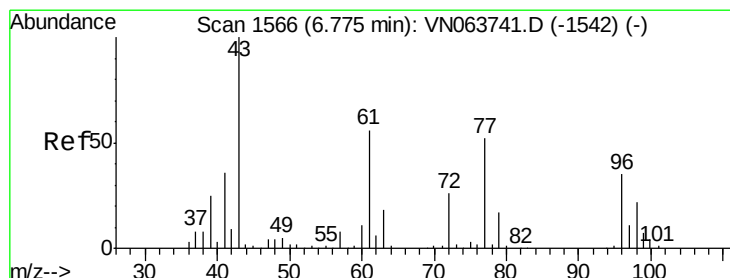
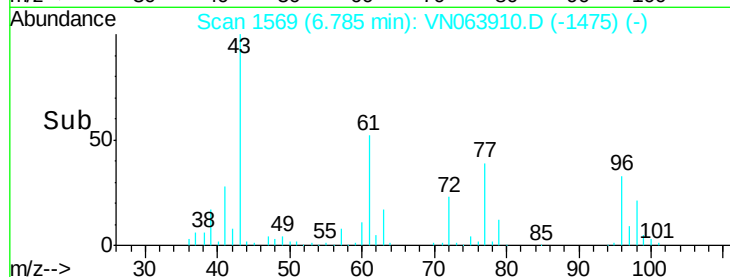
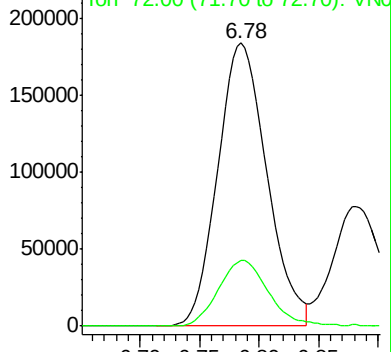
APPROVED

MMDadoda

10/7/2020 12:11:58 PM



Abundance Ion 43.00 (42.70 to 43.70): VN063910.D (-1475) (-)



#26

2,2-Dichloropropane

Concen: 44.492 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063910.D

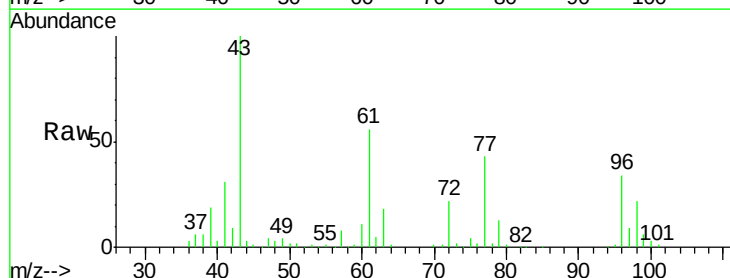
Acq: 6 Oct 2020 22:18

Tgt Ion: 77 Resp: 242945

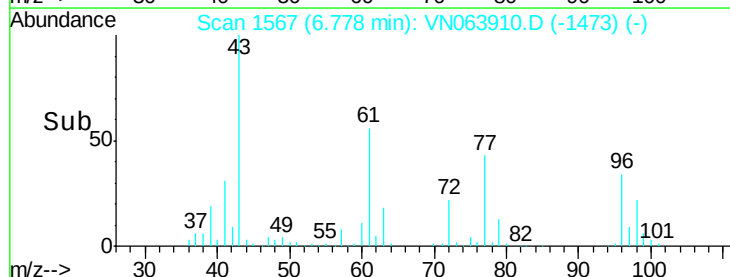
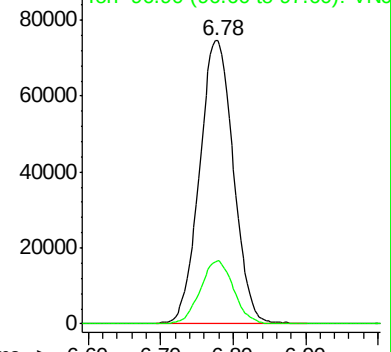
Ion Ratio Lower Upper

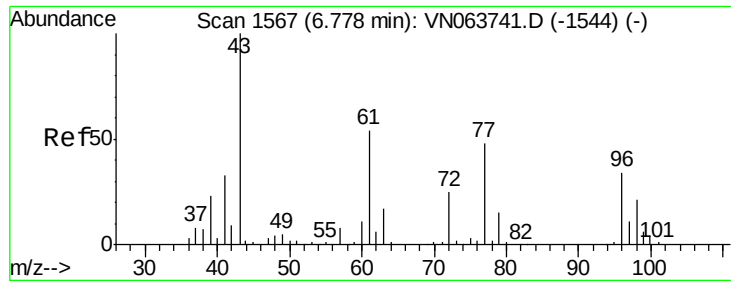
77 100

97 21.9 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN063910.D (-1473) (-)





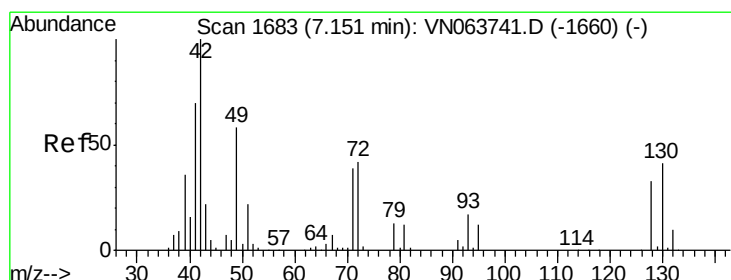
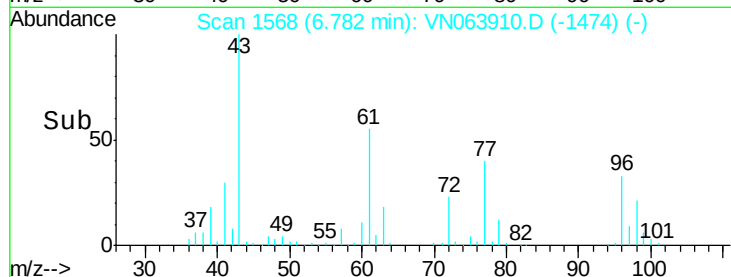
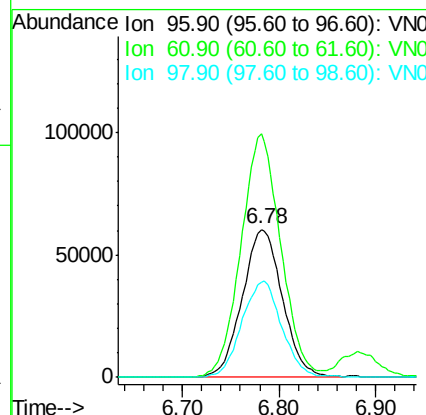
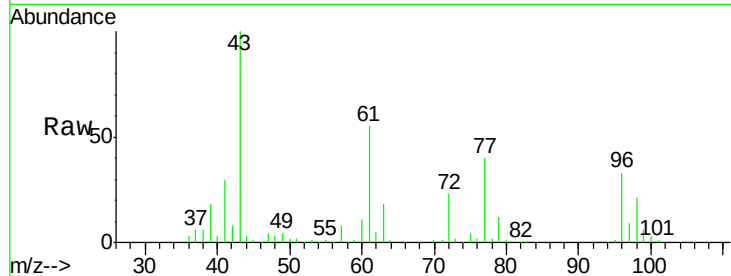
#27
 cis-1,2-Dichloroethene
 Concen: 49.637 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	174458		
61	162.6	0.0	321.2	
98	64.3	0.0	124.4	

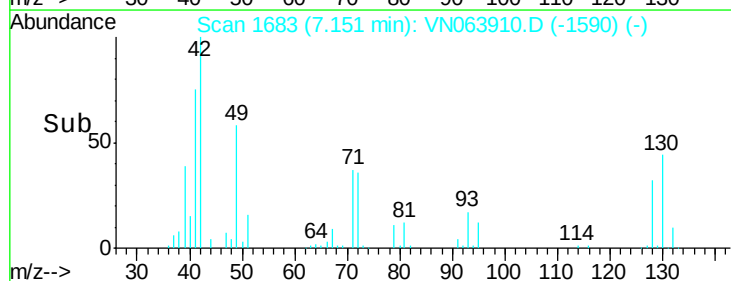
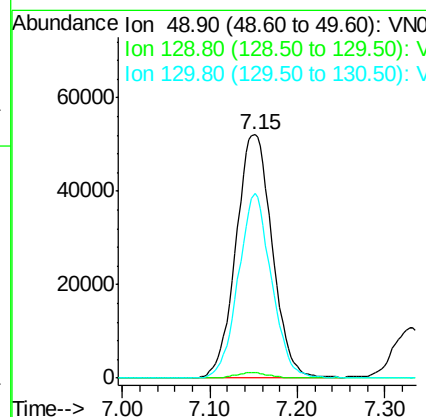
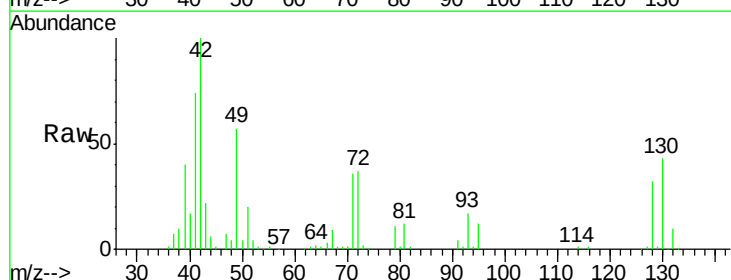
Manual Integrations
 APPROVED

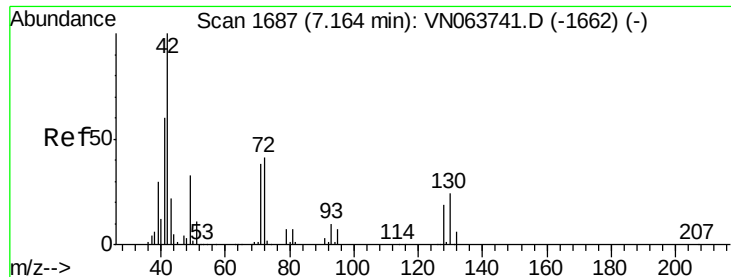
MMDadoda
 10/7/2020 12:11:58 PM



#28
 Bromochloromethane
 Concen: 50.935 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. -0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	150108		
129	2.0	0.0	4.8	
130	69.4	55.6	83.4	





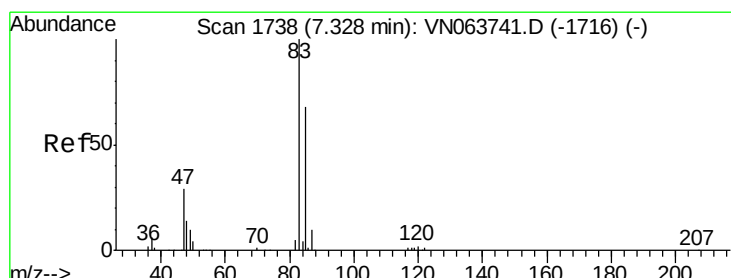
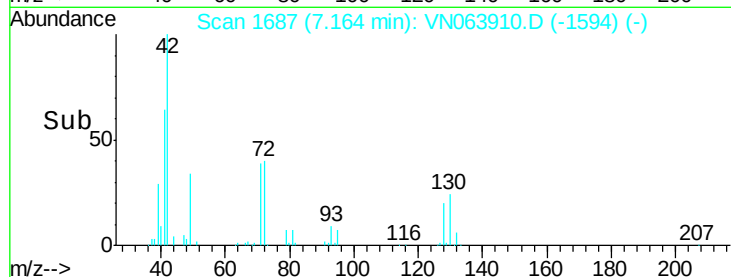
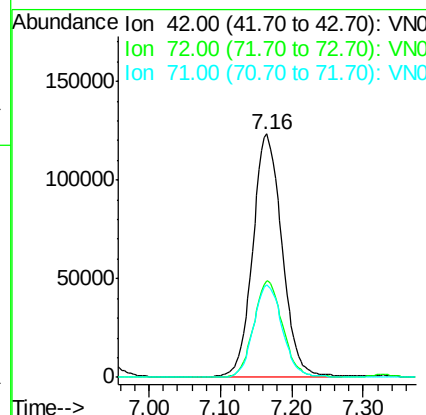
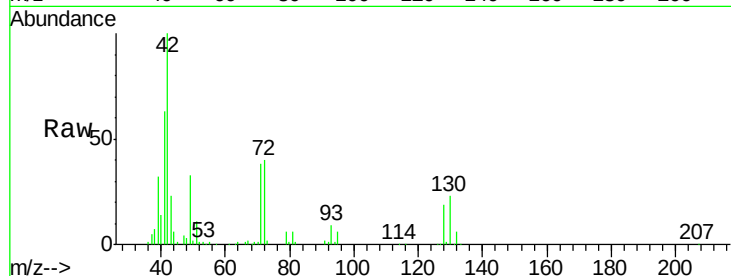
#29
Tetrahydrofuran
Concen: 269.723 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.8	32.8	49.2
71	36.8	30.6	45.8

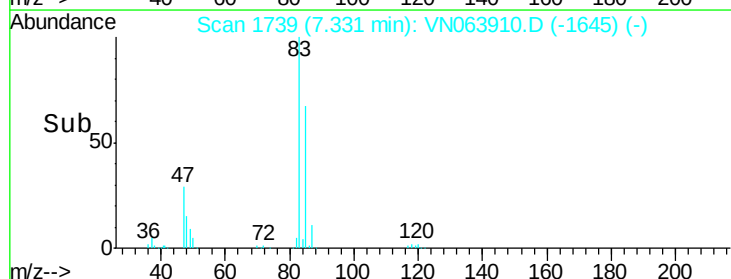
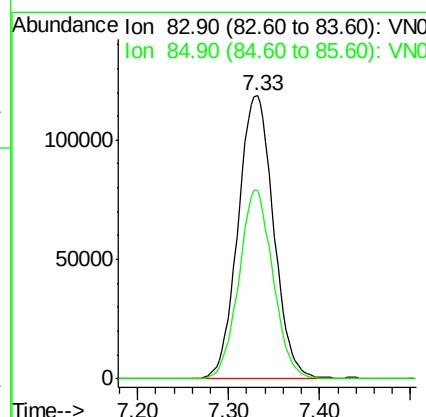
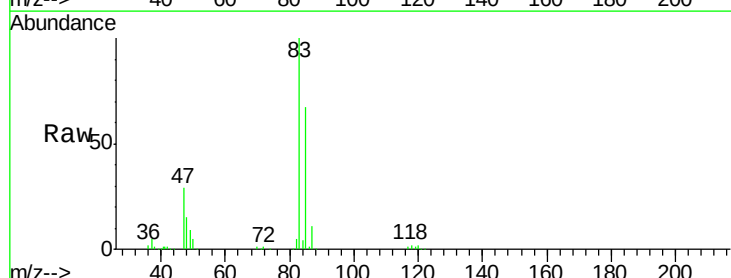
Manual Integrations
APPROVED

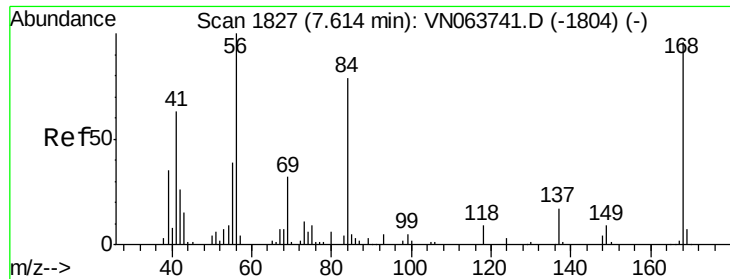
MMDadoda
10/7/2020 12:11:58 PM



#30
Chloroform
Concen: 51.747 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.5	54.6	82.0





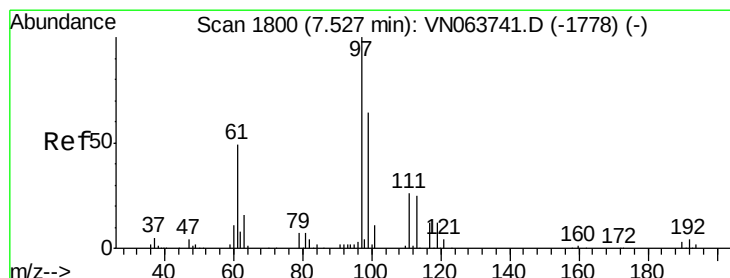
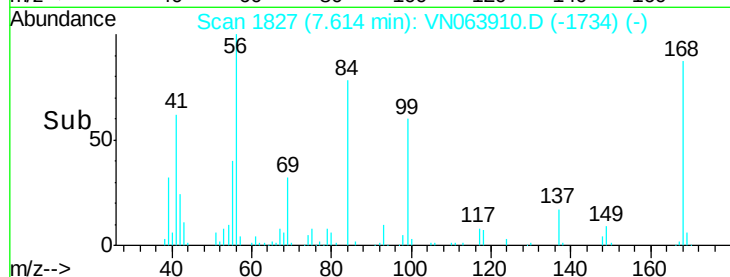
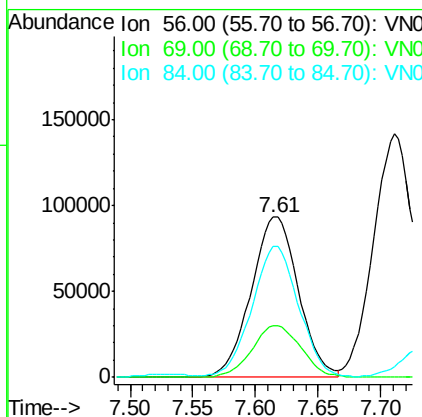
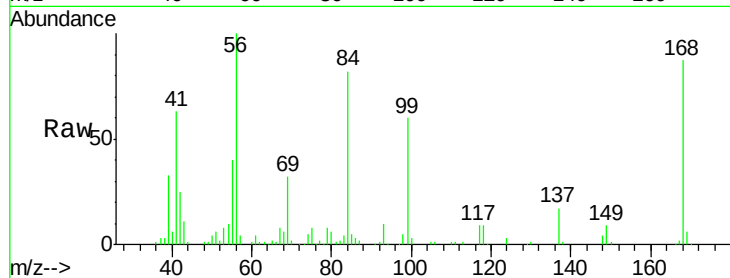
#31
Cyclohexane
Concen: 47.121 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	25.4	38.2
84	80.6	63.3	94.9

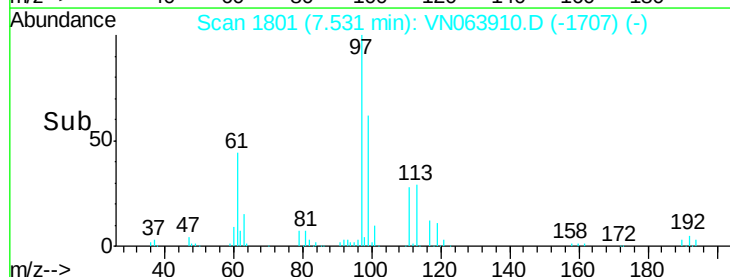
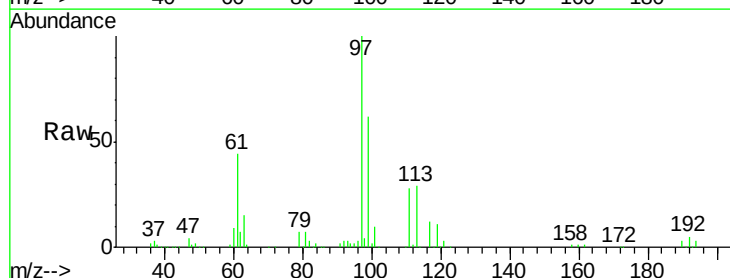
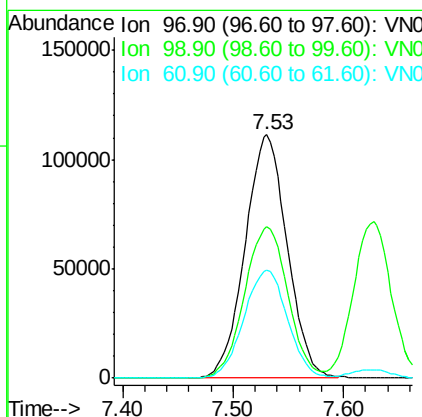
Manual Integrations
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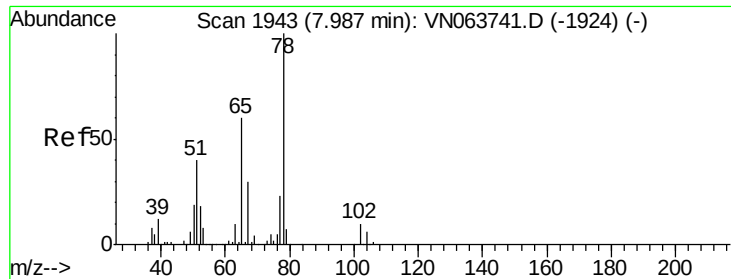
MMDadoda
10/7/2020 12:11:58 PM



#32
1,1,1-Trichloroethane
Concen: 52.442 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	45.9	38.7	58.1





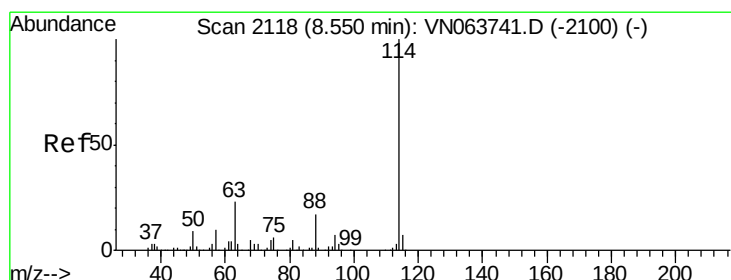
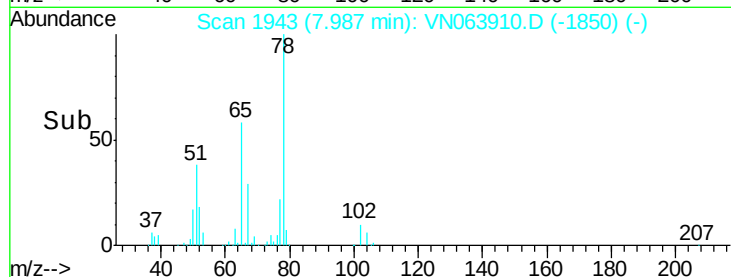
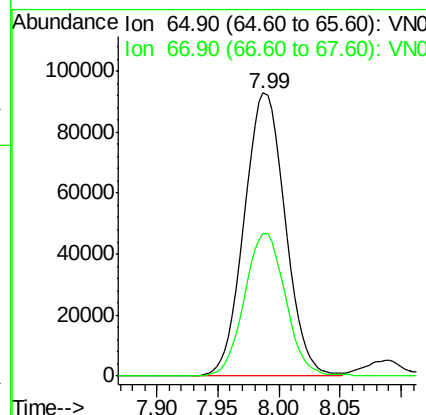
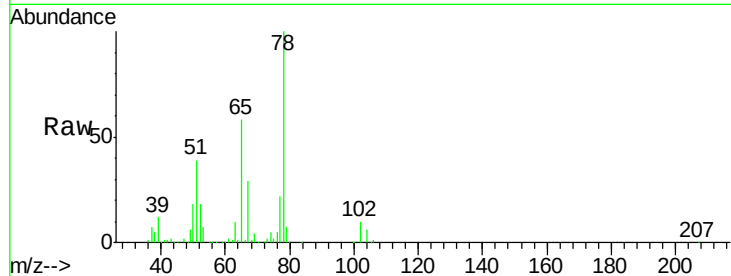
#33
 1,2-Dichloroethane-d4
 Concen: 48.356 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	99.6

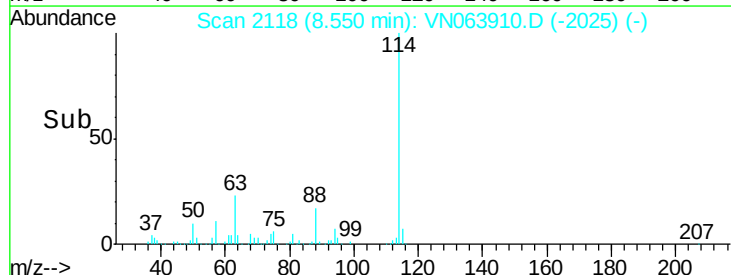
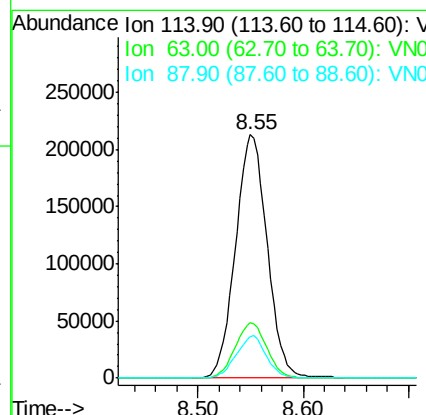
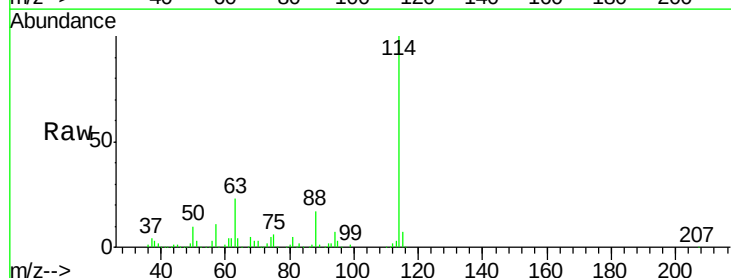
Manual Integrations
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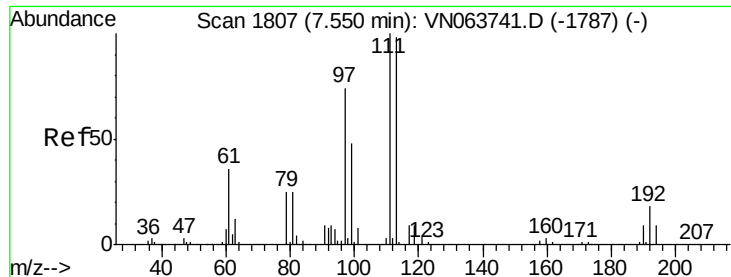
MMDadoda
 10/7/2020 12:11:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	45.0
88	17.1	0.0	34.0





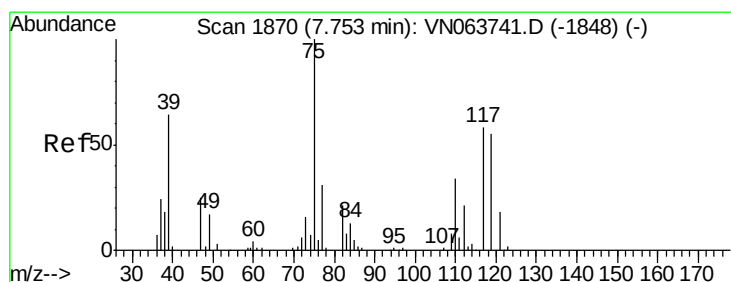
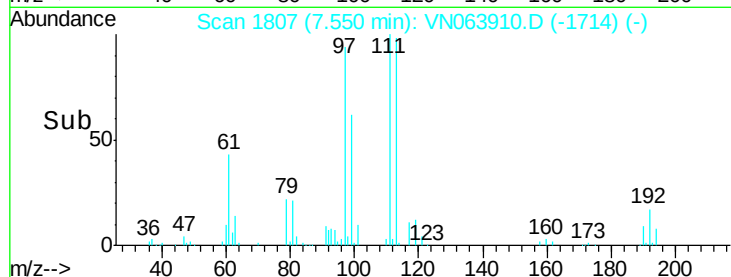
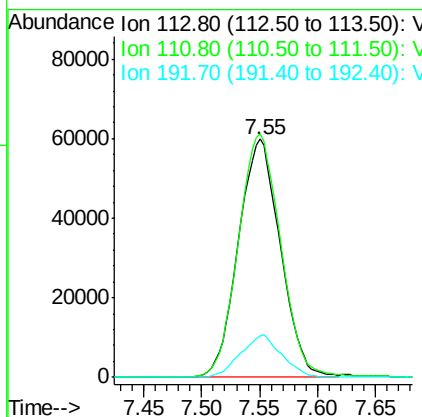
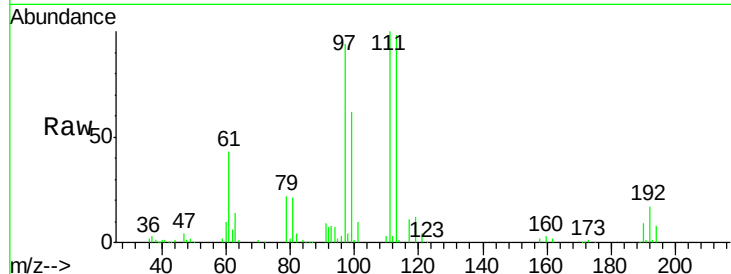
#35
 Dibromofluoromethane
 Concen: 49.072 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151027		
111	103.4	81.8	122.8	
192	17.5	14.2	21.2	

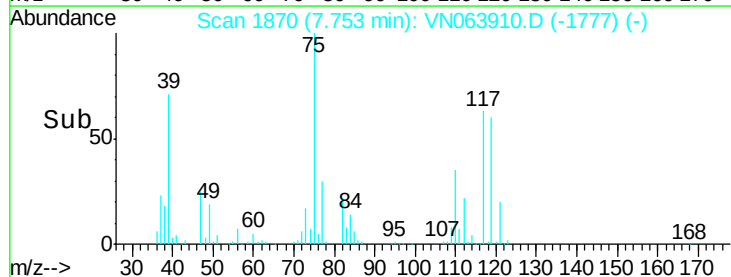
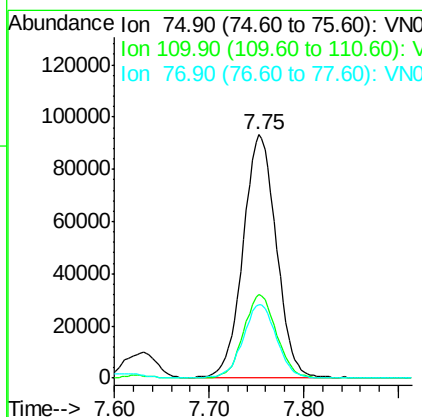
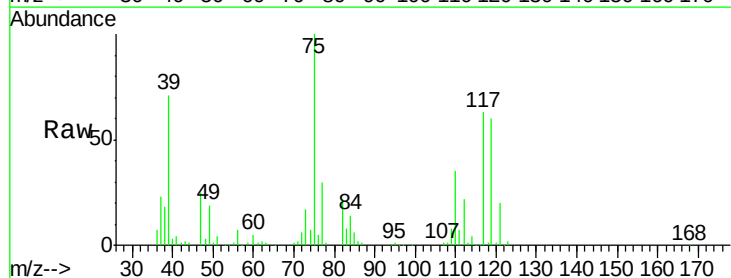
Manual Integrations
 APPROVED

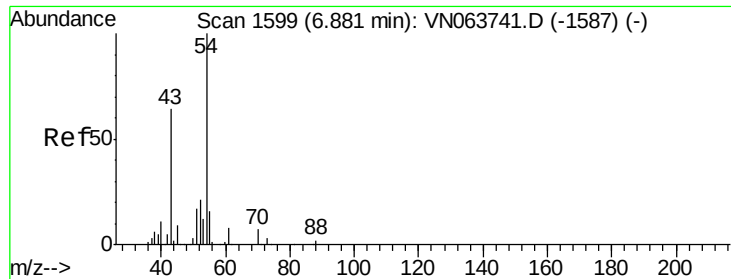
MMDadoda
 10/7/2020 12:11:58 PM



#36
 1,1-Dichloropropene
 Concen: 50.442 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	226663		
110	34.0	16.9	50.6	
77	30.8	24.5	36.7	





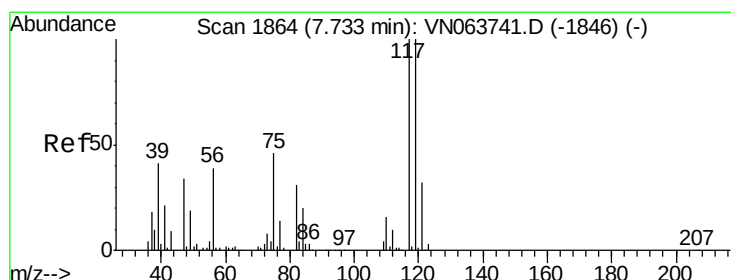
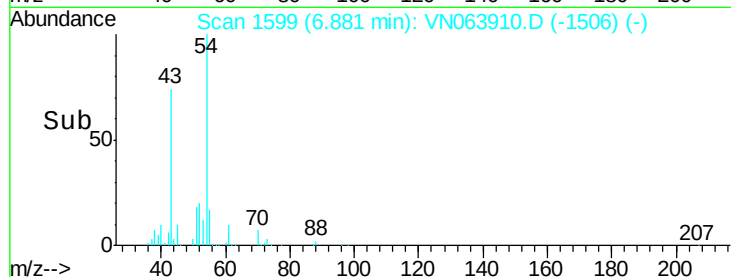
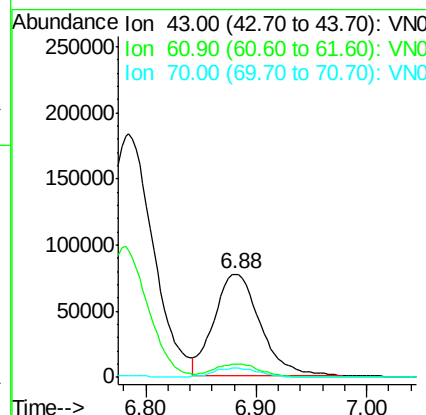
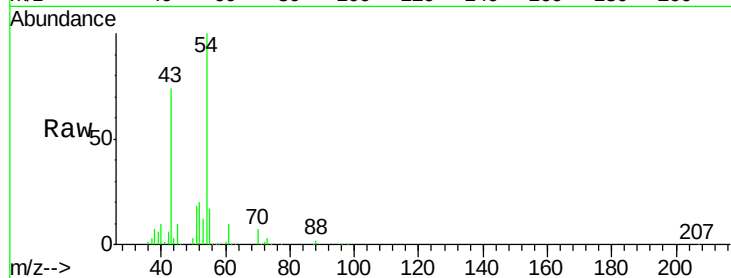
#37
Ethyl Acetate
Concen: 50.072 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.4	15.6
70	8.8	7.3	10.9

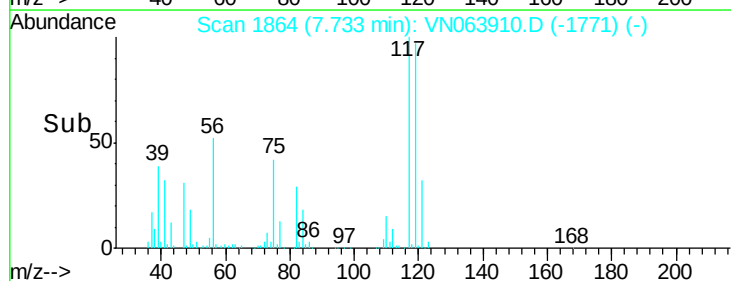
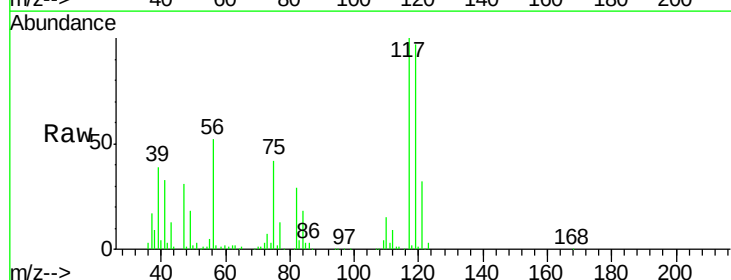
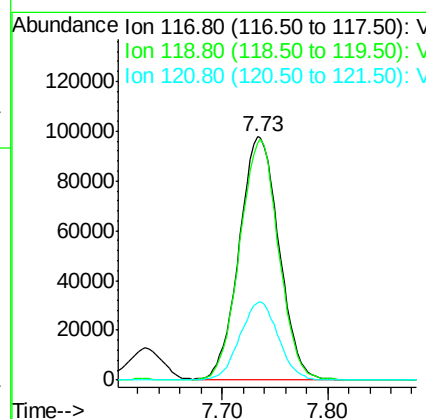
Manual Integrations
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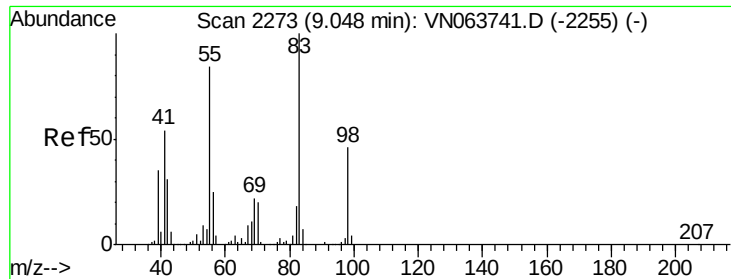
MMDadoda
10/7/2020 12:11:58 PM



#38
Carbon Tetrachloride
Concen: 50.658 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	80.1	120.1
121	32.1	25.7	38.5





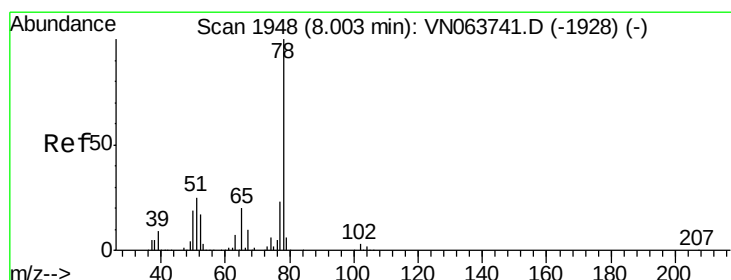
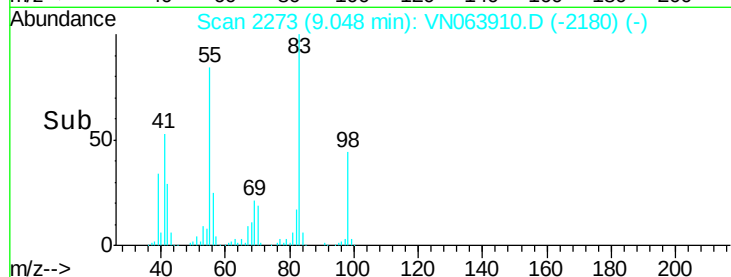
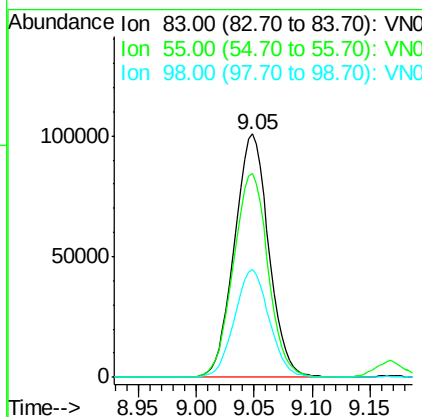
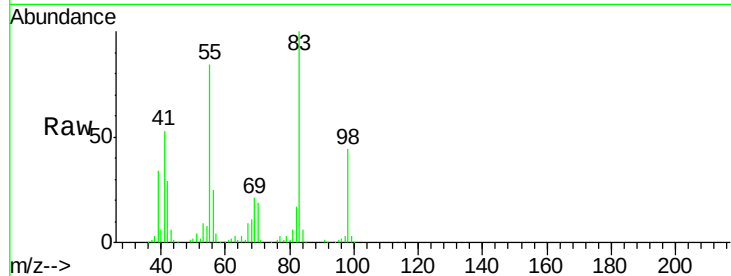
#39
Methylvlcyclohexane
Concen: 46.225 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	207141		
55	83.8	67.1	100.7	
98	44.2	36.6	54.8	

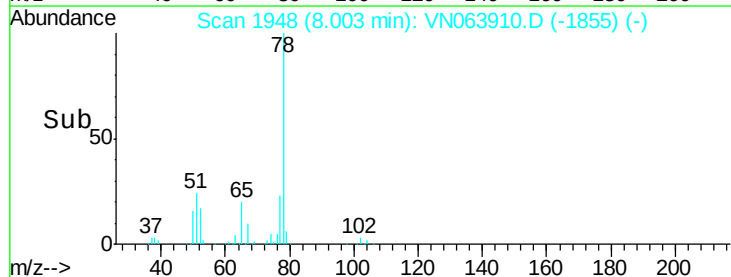
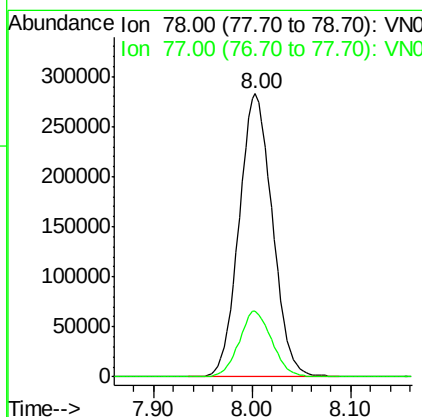
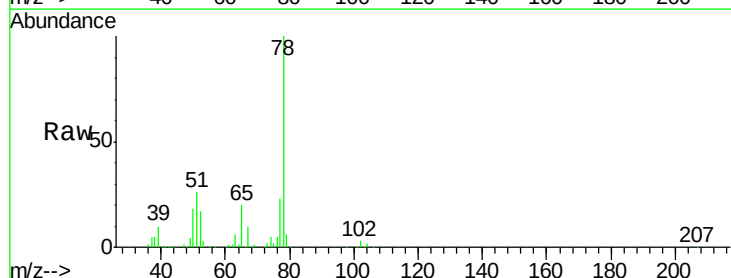
Manual Integrations
APPROVED

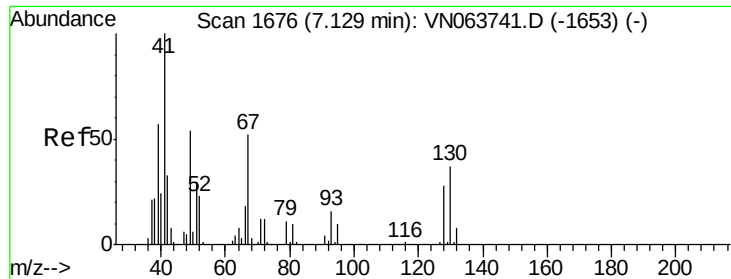
MMDadoda
10/7/2020 12:11:58 PM



#40
Benzene
Concen: 51.513 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	661155		
77	23.3	18.7	28.1	





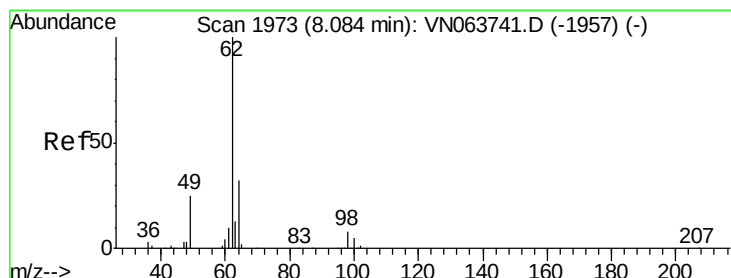
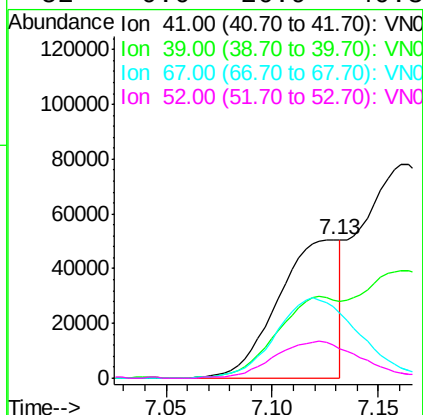
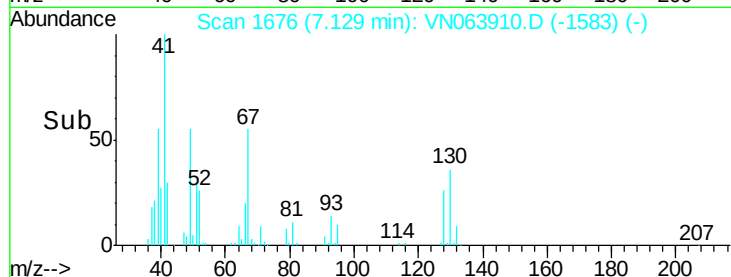
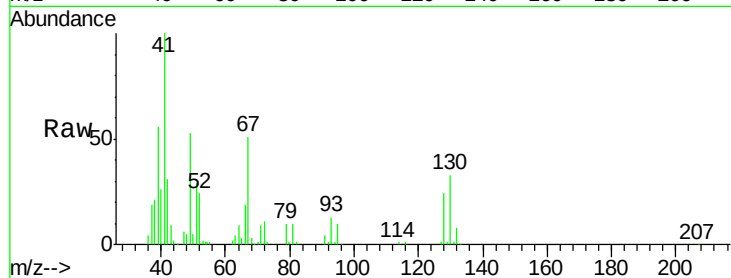
#41
Methacrylonitrile
Concen: 51.764 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

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

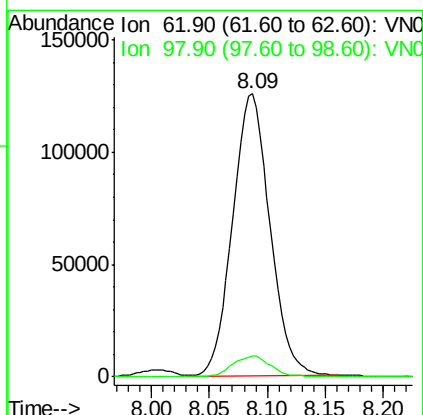
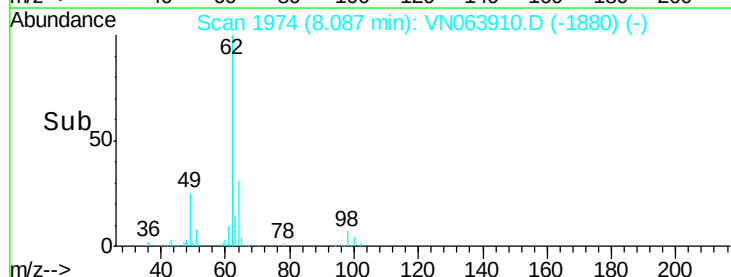
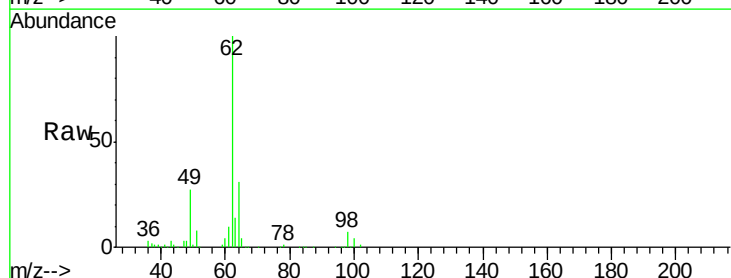
Manual Integrations
APPROVED

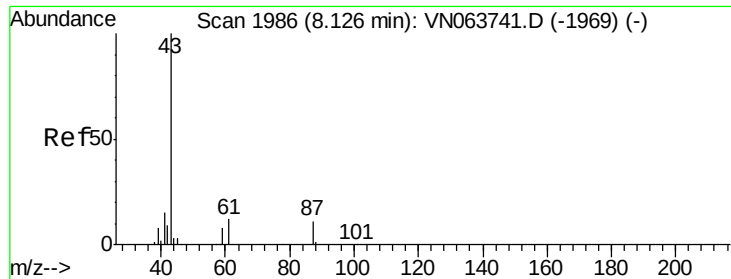
MMDadoda
10/7/2020 12:11:58 PM



#42
1,2-Dichloroethane
Concen: 51.304 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.0





#43

Isopropyl Acetate

Concen: 53.328 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

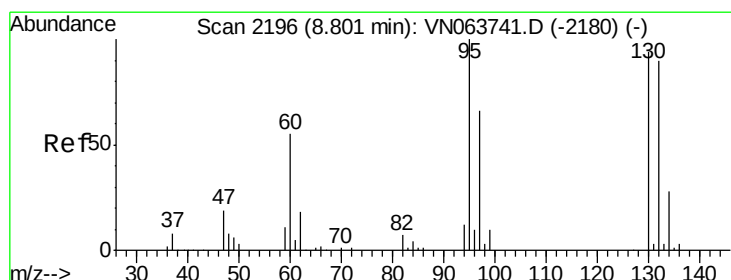
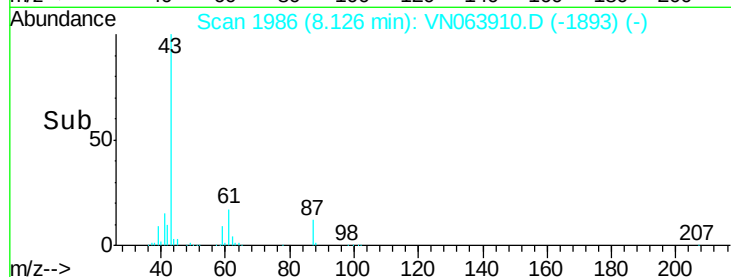
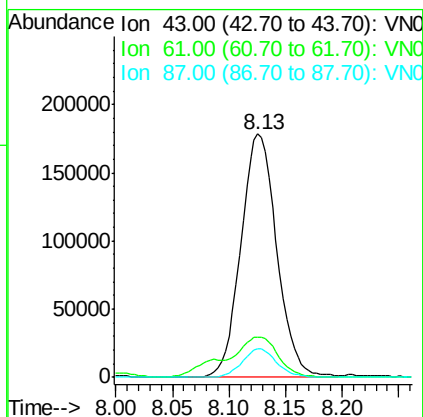
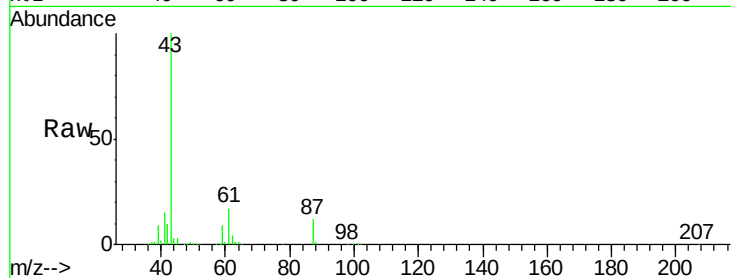
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	392698
Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.2	21.4
87	11.3	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 49.633 ug/l

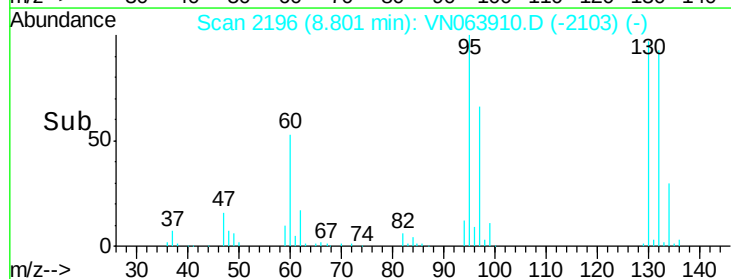
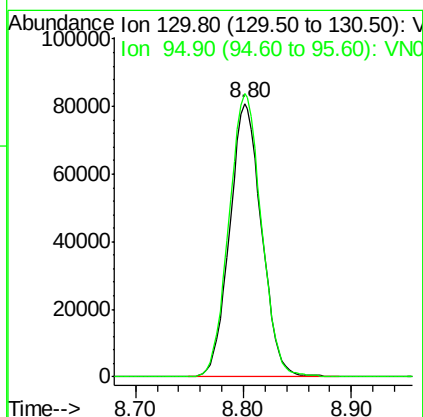
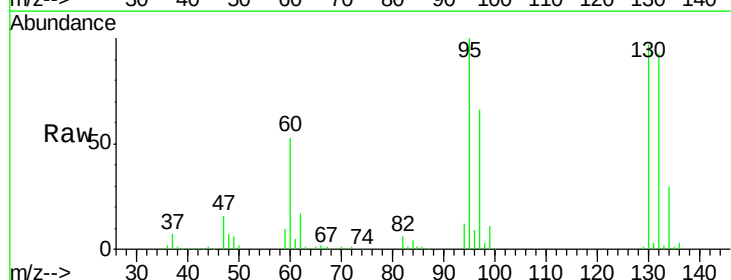
RT: 8.80 min Scan# 2196

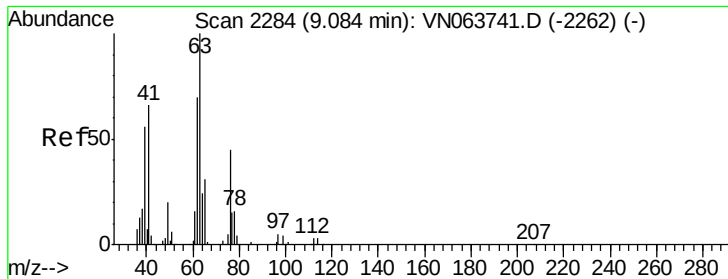
Delta R.T. -0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Tgt Ion:	130	Resp:	166911
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	213.6





#45

1,2-Dichloropropane

Concen: 51.954 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 180086

Ion Ratio Lower Upper

63 100

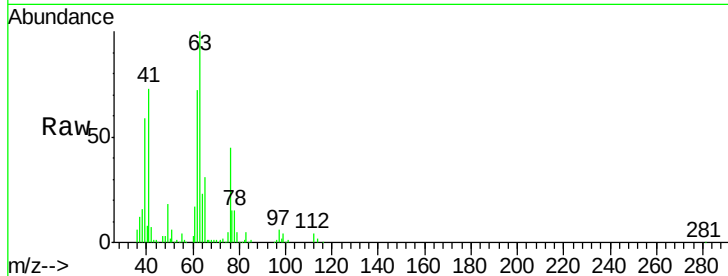
65 31.3 24.7 37.1

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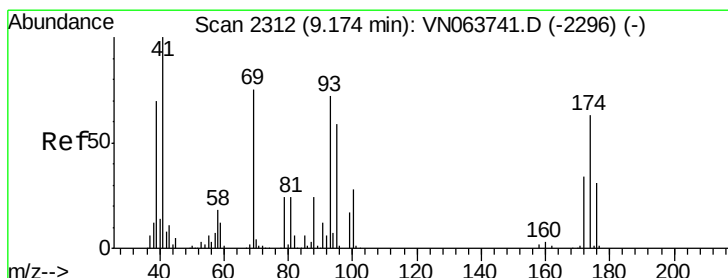
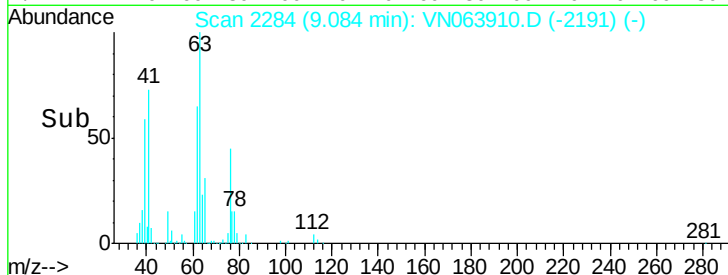
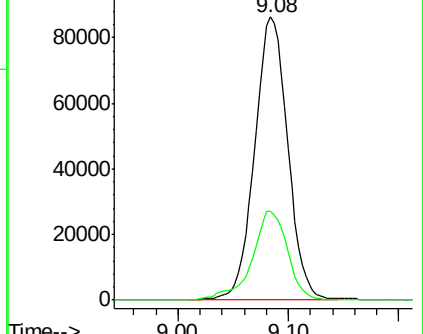
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 50.916 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

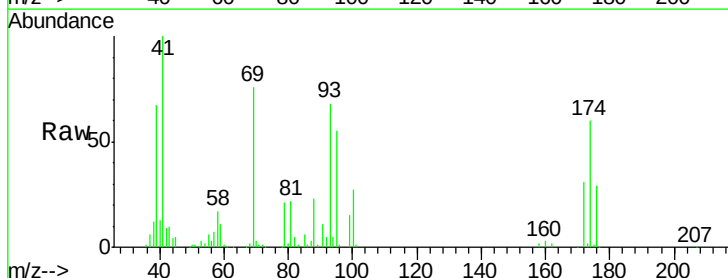
Tgt Ion: 93 Resp: 121749

Ion Ratio Lower Upper

93 100

95 82.3 66.3 99.5

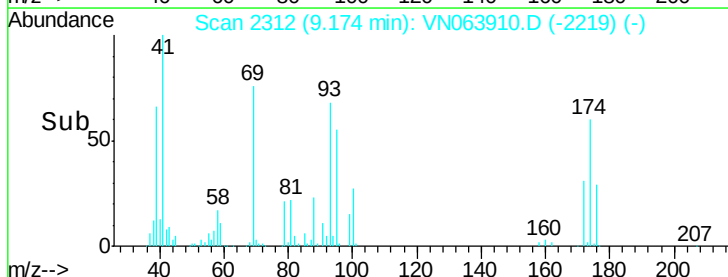
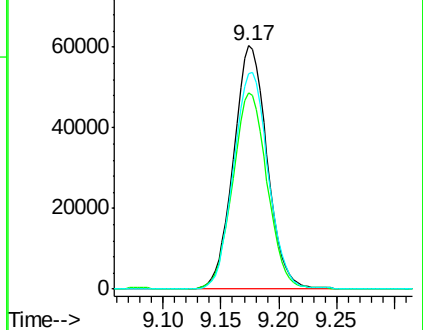
174 91.6 72.7 109.1

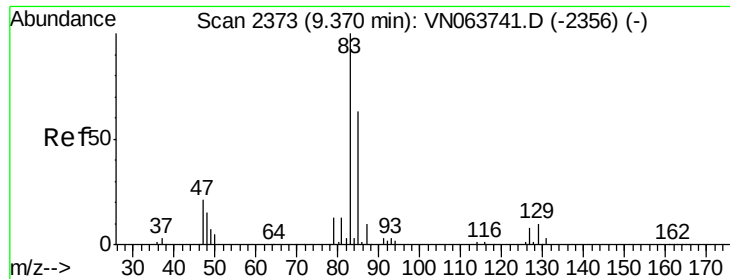


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.878 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

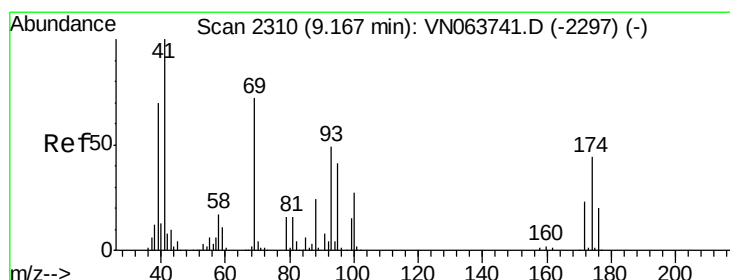
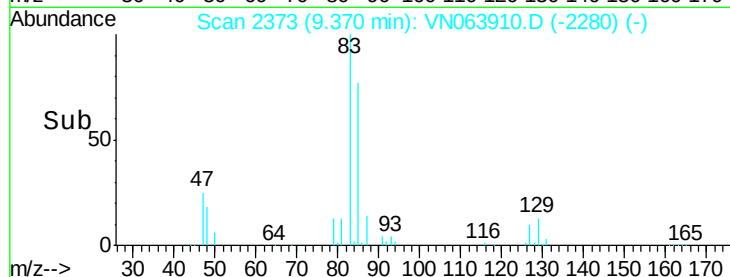
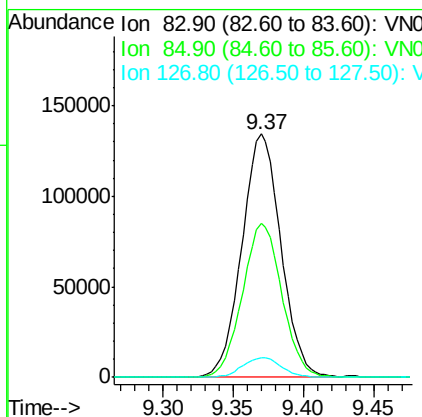
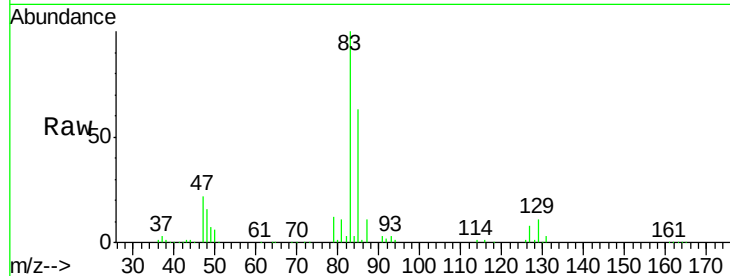
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	260588
Ion Ratio	Lower	Upper	
83	100		
85	63.2	50.6	75.8
127	8.1	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.046 ug/l

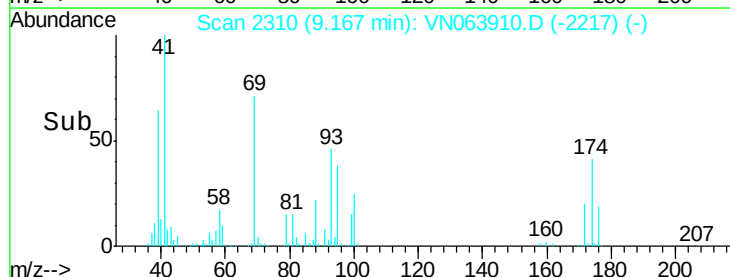
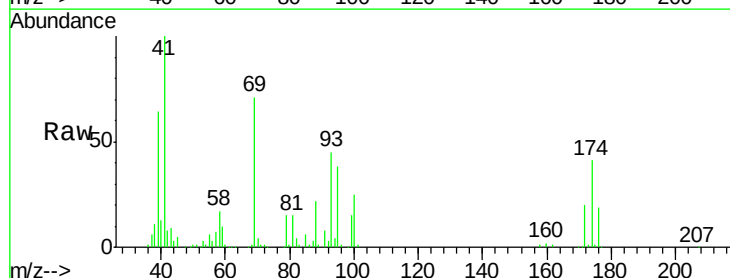
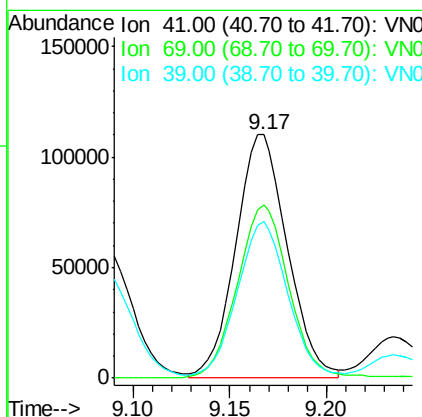
RT: 9.17 min Scan# 2310

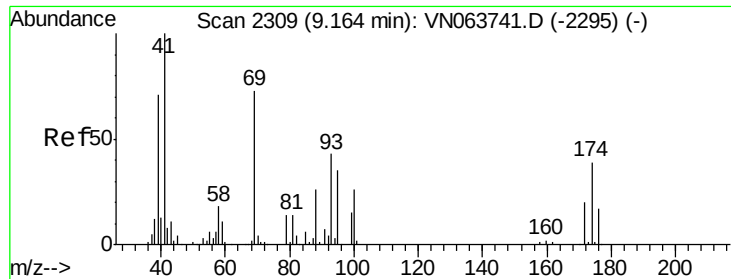
Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Tgt Ion:	41	Resp:	203908
Ion Ratio	Lower	Upper	
41	100		
69	71.5	60.9	91.3
39	63.3	57.5	86.3





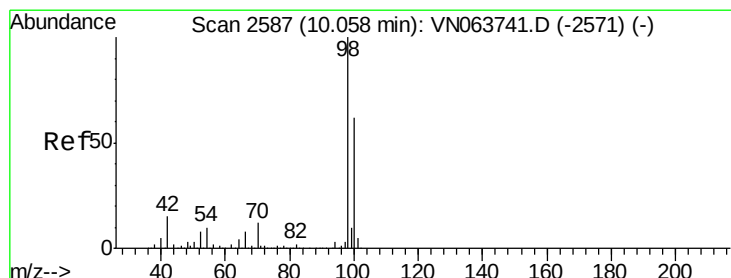
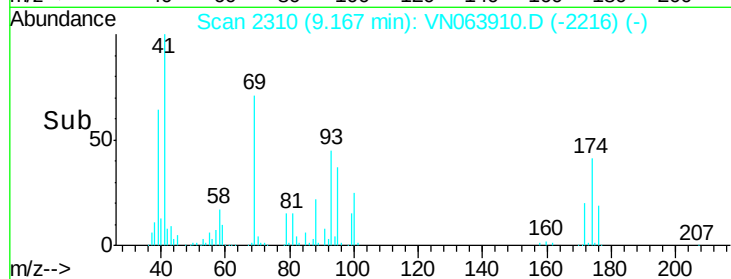
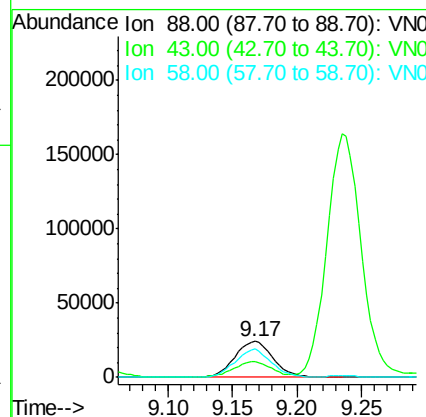
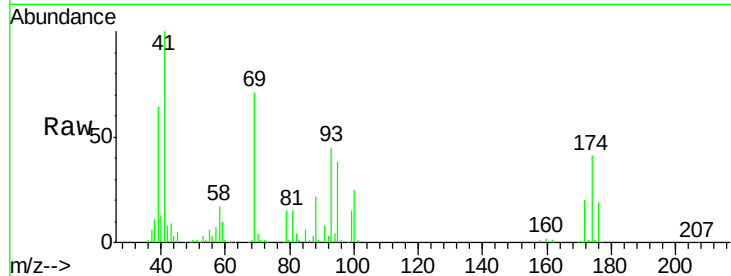
#49
1,4-Dioxane
Concen: 974.471 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	88	Resp	50387
Ion	Ratio	Lower	Upper
88	100		
43	42.3	33.1	49.7
58	74.1	58.9	88.3

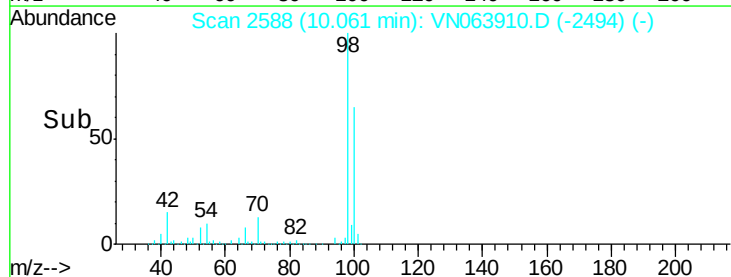
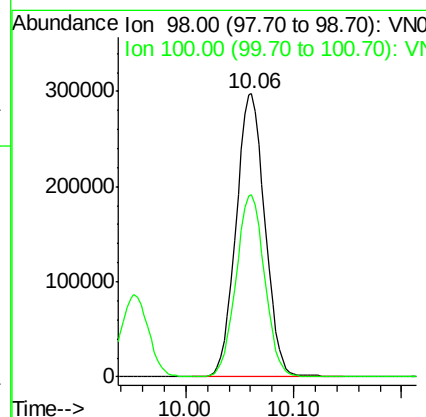
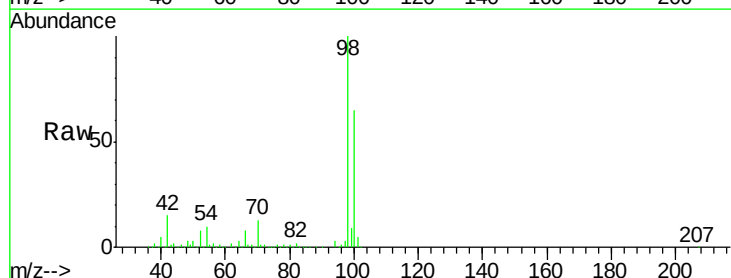
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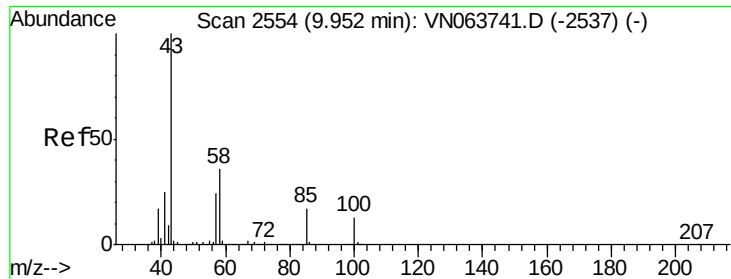
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#50
Toluene-d8
Concen: 47.649 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	98	Resp	555926
Ion	Ratio	Lower	Upper
98	100		
100	63.4	49.8	74.6





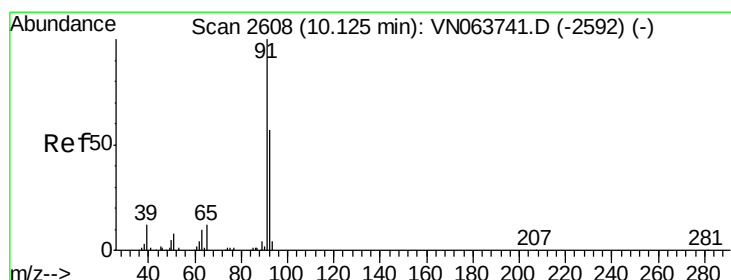
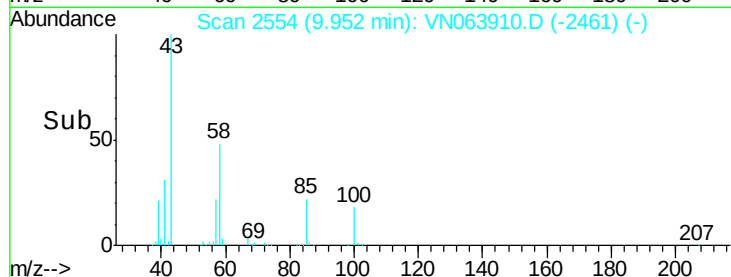
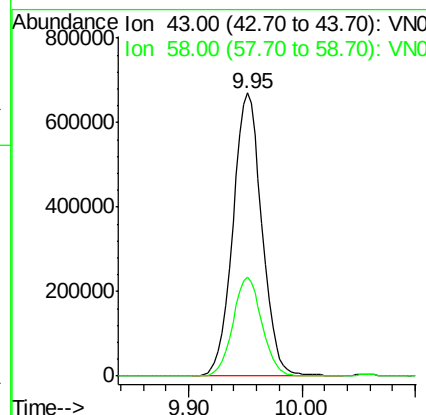
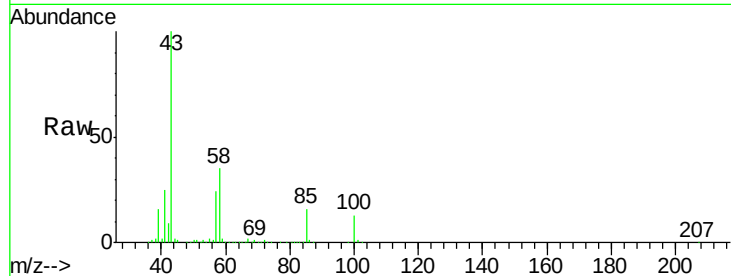
#51
4-Methyl-2-Pentanone
Concen: 275.454 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1190360
Ion Ratio Lower Upper
43 100
58 35.0 28.4 42.6

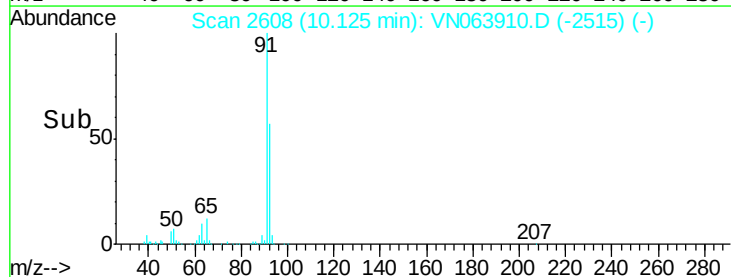
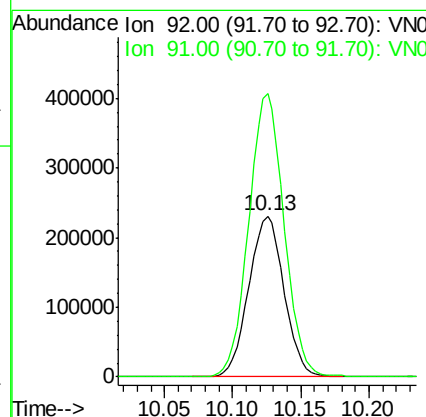
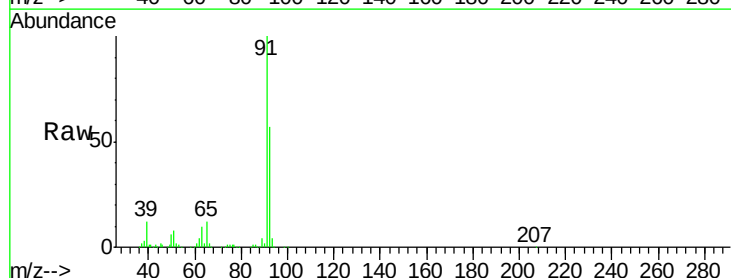
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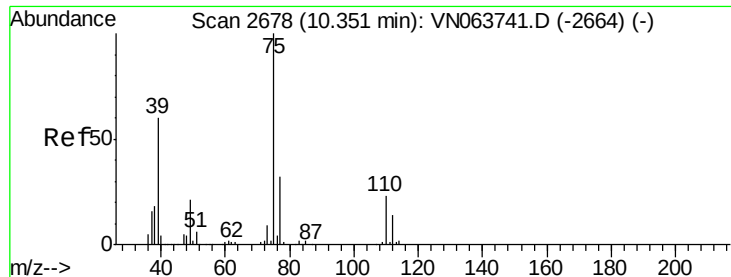
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#52
Toluene
Concen: 52.224 ug/l
RT: 10.13 min Scan# 2608
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion: 92 Resp: 414595
Ion Ratio Lower Upper
92 100
91 176.1 140.6 210.8





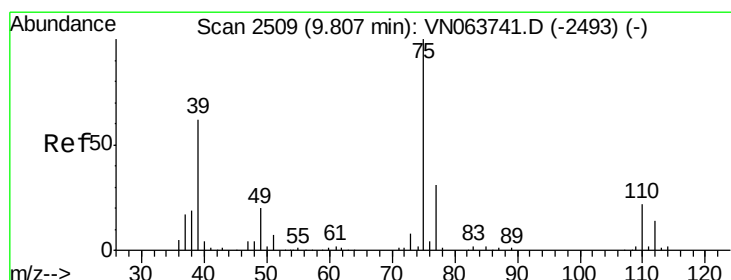
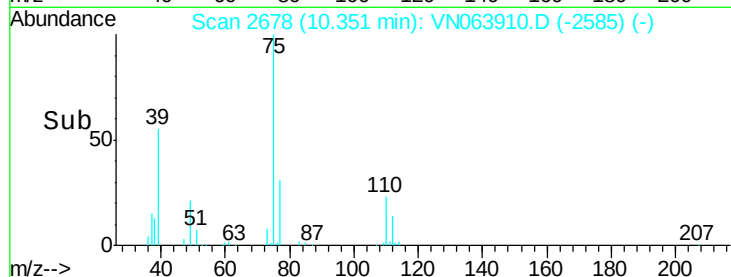
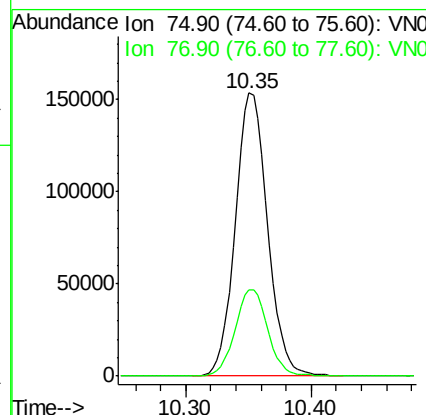
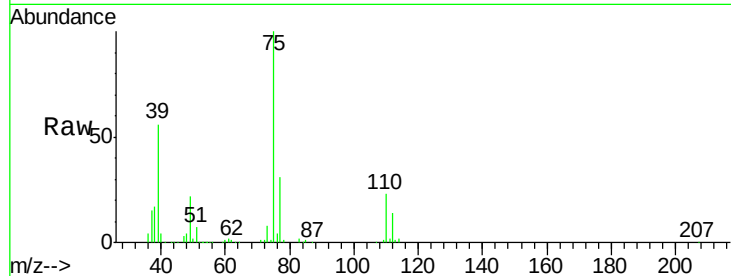
#53
t-1,3-Dichloropropene
Concen: 51.929 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 274325
Ion Ratio Lower Upper
75 100
77 30.7 25.3 37.9

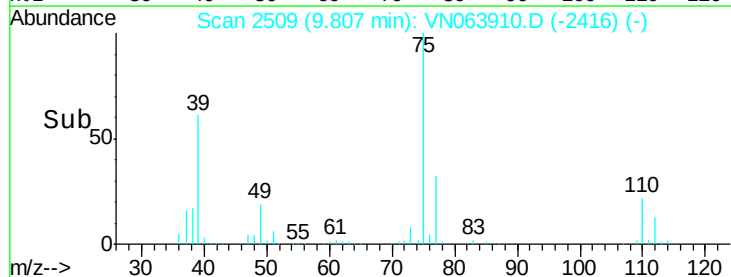
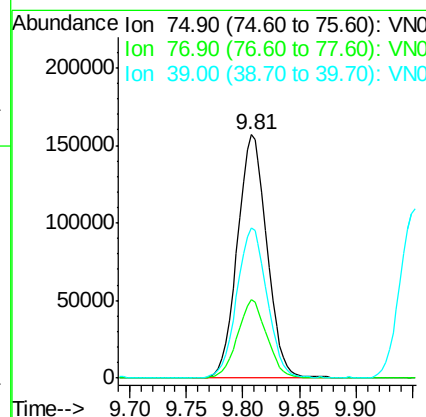
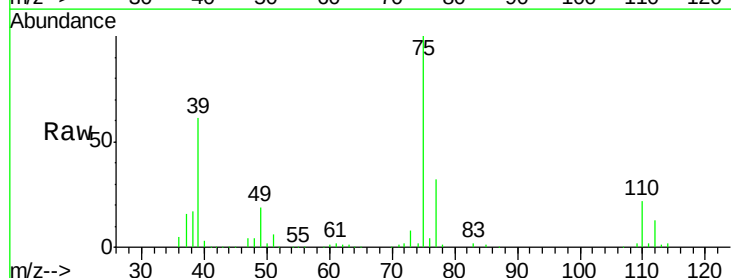
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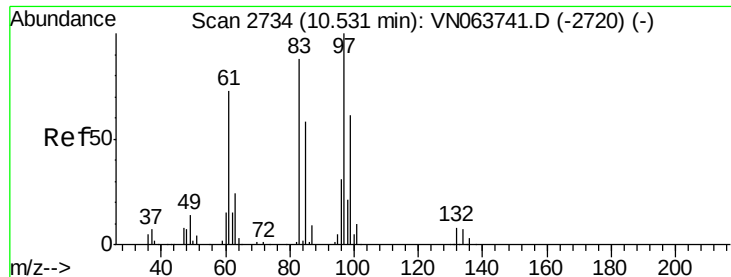
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#54
cis-1,3-Dichloropropene
Concen: 51.775 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion: 75 Resp: 286042
Ion Ratio Lower Upper
75 100
77 32.1 24.6 36.8
39 61.3 49.7 74.5





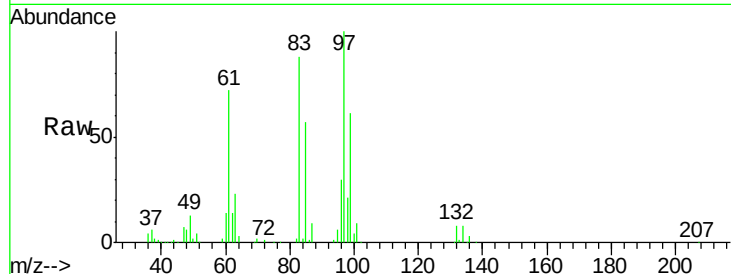
#55
 1,1,2-Trichloroethane
 Concen: 51.912 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	165271
Ion	Ratio	Lower	Upper
97	100		
83	88.1	70.7	106.1
85	56.8	46.1	69.1
99	61.2	48.8	73.2

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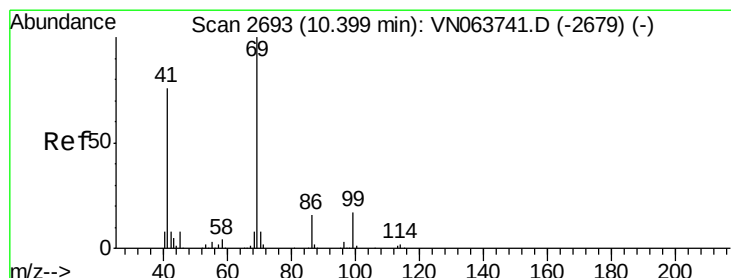
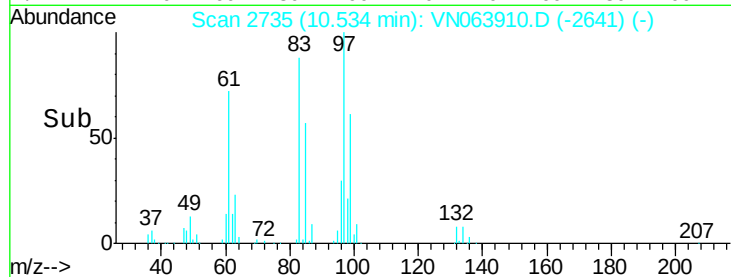
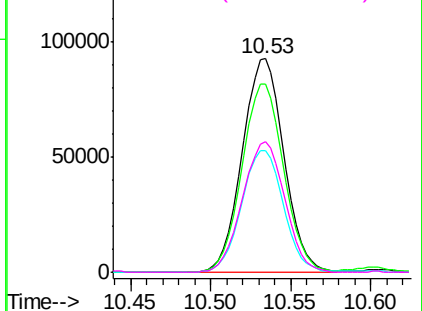


Abundance Ion 96.90 (96.60 to 97.60): VN063910.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN063910.D (-2641) (-)

Ion 84.90 (84.60 to 85.60): VN063910.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN063910.D (-2641) (-)



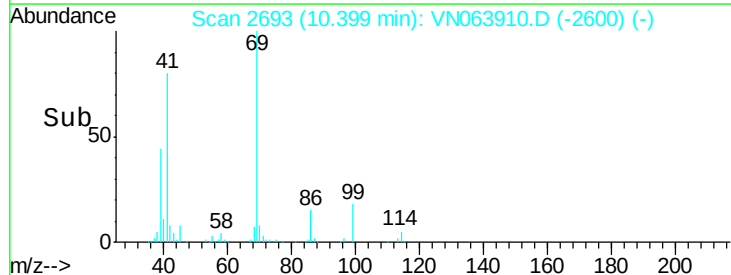
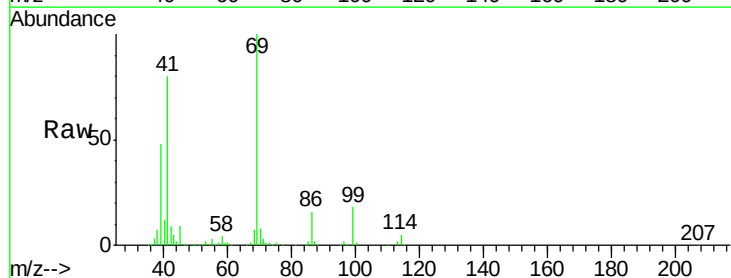
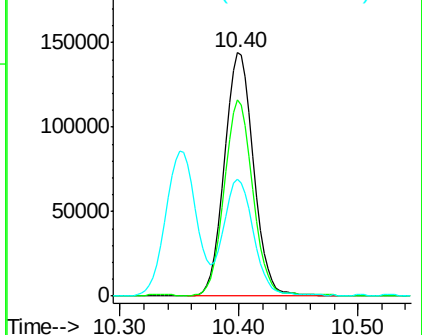
#56
 Ethyl methacrylate
 Concen: 54.427 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

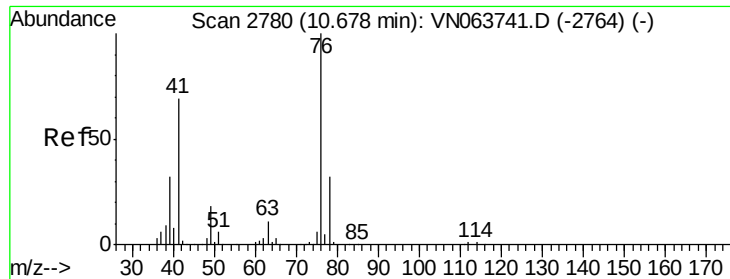
Tgt Ion:	69	Resp:	245617
Ion	Ratio	Lower	Upper
69	100		
41	78.2	61.1	91.7
39	49.5	42.2	63.4

Abundance Ion 69.00 (68.70 to 69.70): VN063910.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN063910.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN063910.D (-2600) (-)





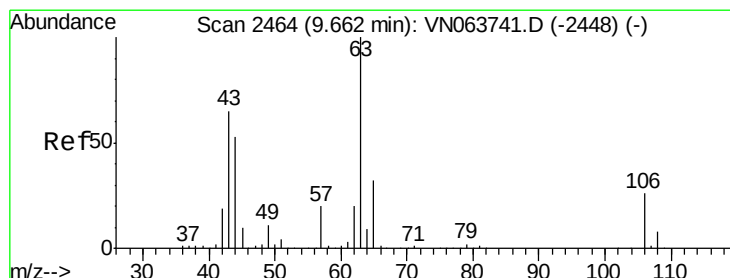
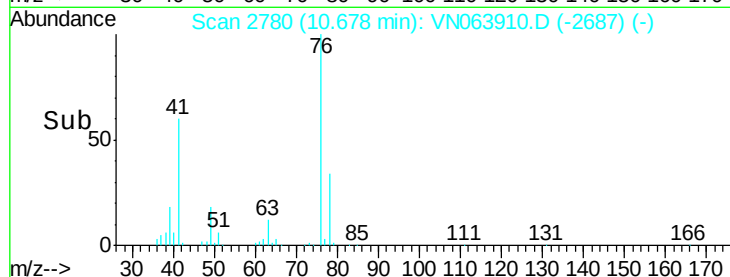
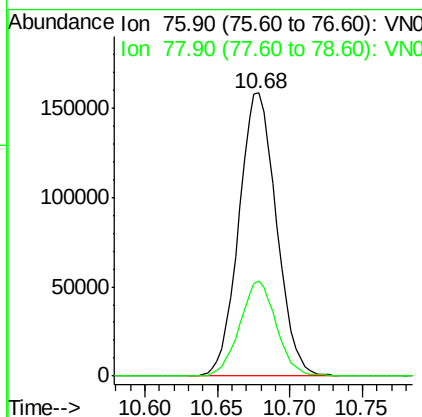
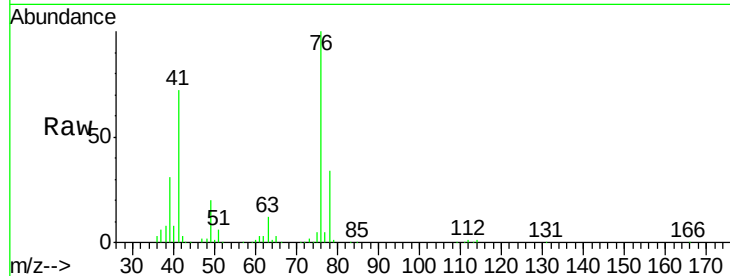
#57
 1,3-Dichloropropane
 Concen: 52.984 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. -0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 285389
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.2 37.8

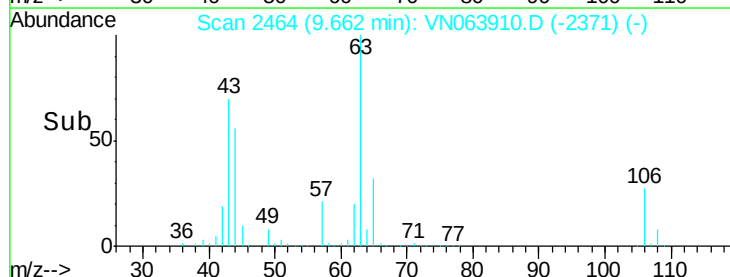
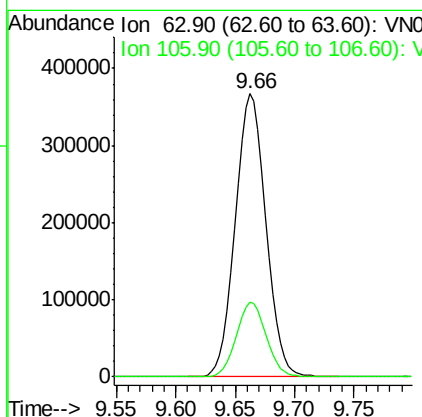
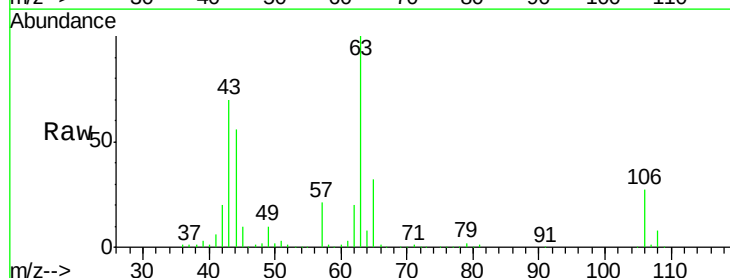
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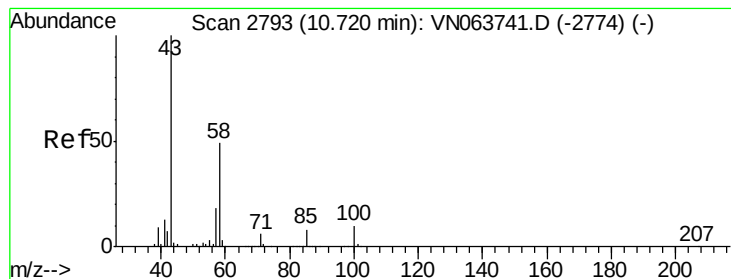
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#58
 2-Chloroethyl Vinyl ether
 Concen: 271.425 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Tgt Ion: 63 Resp: 655202
 Ion Ratio Lower Upper
 63 100
 106 25.9 20.7 31.1





#59

2-Hexanone

Concen: 269.652 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 865649

Ion Ratio Lower Upper

43 100

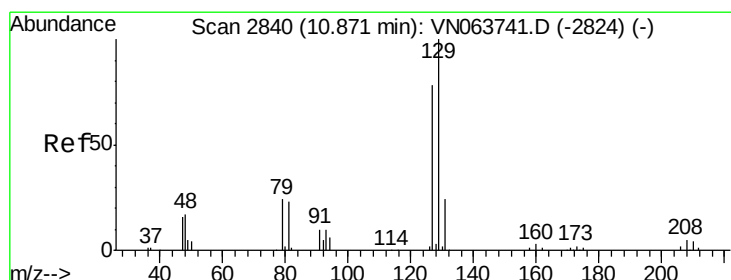
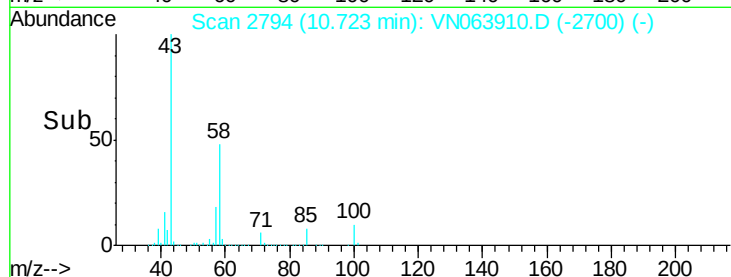
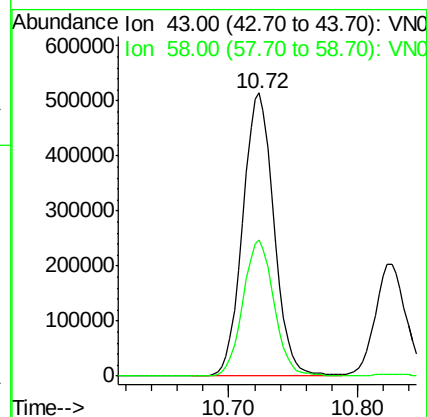
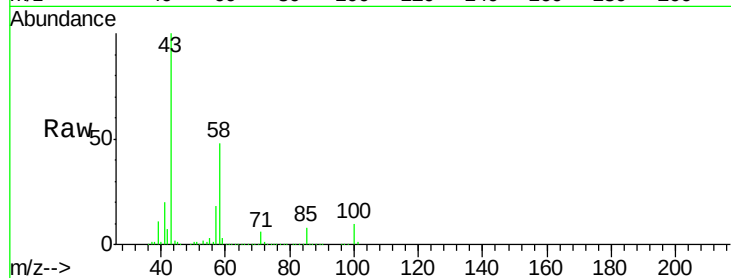
58 48.1 24.6 73.8

Manual Integrations

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#60

Dibromochloromethane

Concen: 52.651 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN063910.D

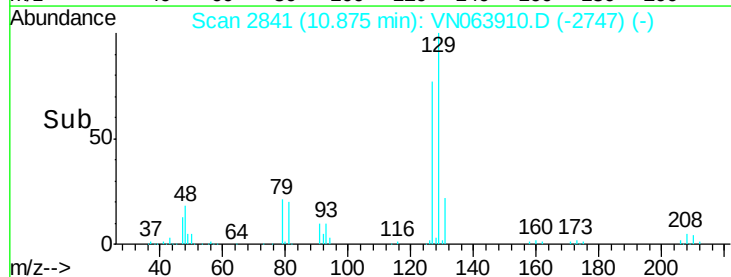
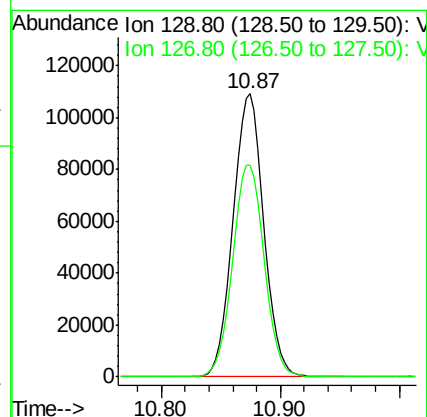
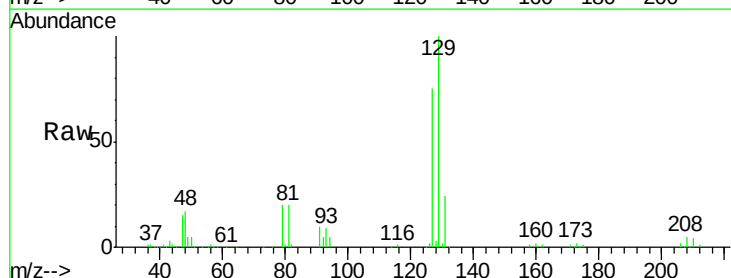
Acq: 6 Oct 2020 22:18

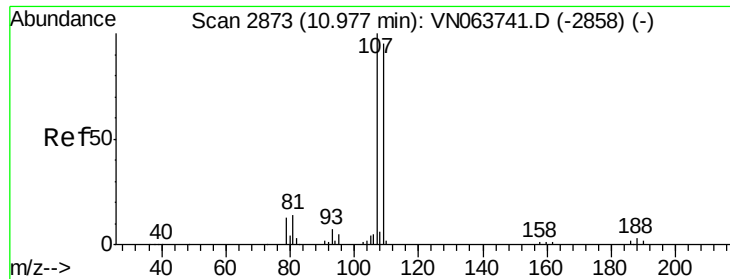
Tgt Ion: 129 Resp: 195214

Ion Ratio Lower Upper

129 100

127 77.1 38.9 116.7





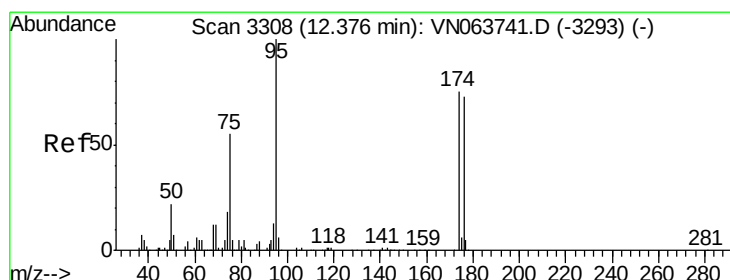
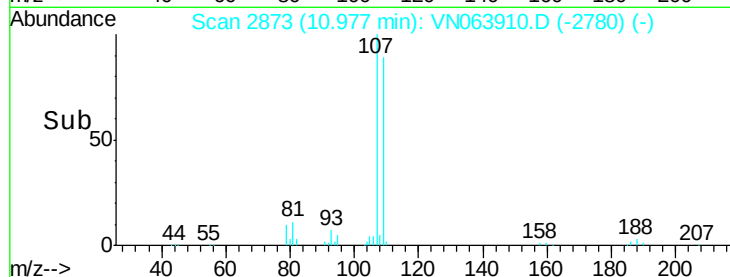
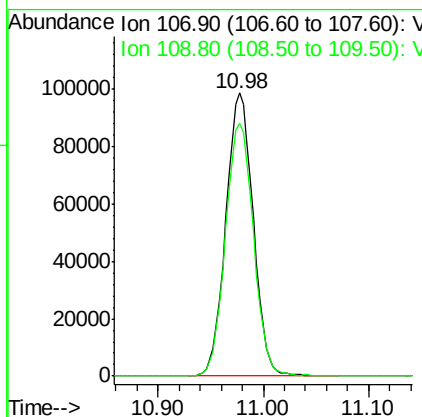
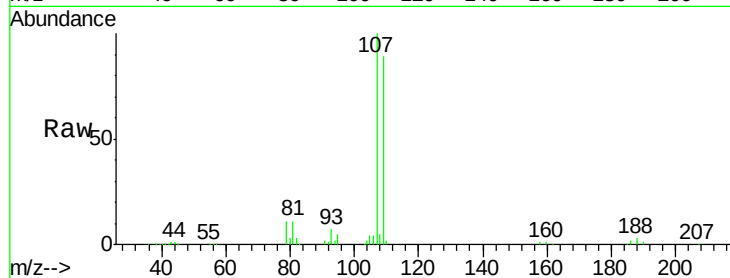
#61
 1,2-Dibromoethane
 Concen: 54.315 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 107 Resp: 176886
 Ion Ratio Lower Upper
 107 100
 109 91.6 74.8 112.2

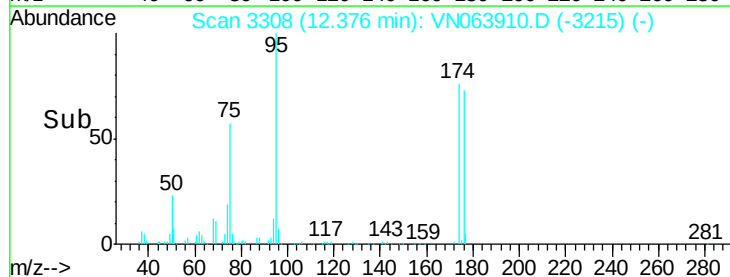
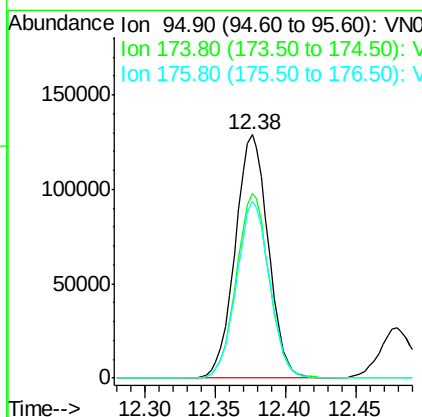
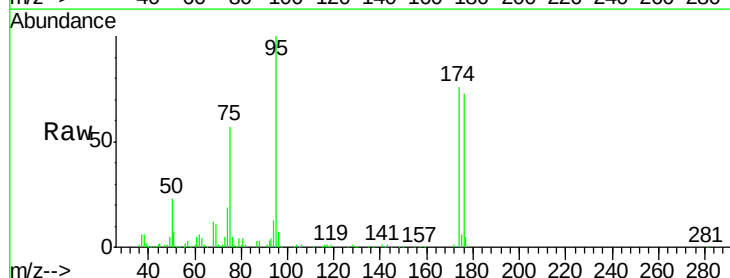
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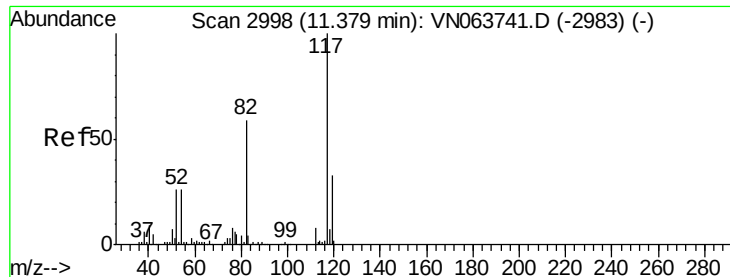
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#62
 4-Bromofluorobenzene
 Concen: 48.340 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Tgt Ion: 95 Resp: 212007
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 150.6
 176 72.7 0.0 145.4





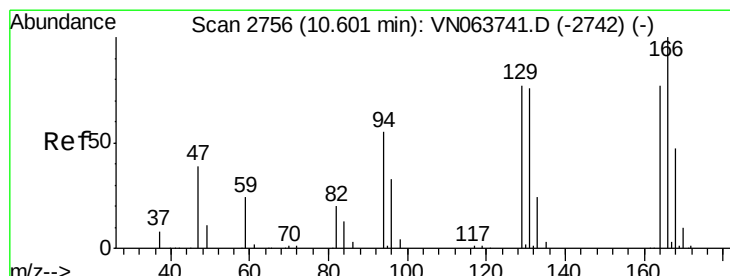
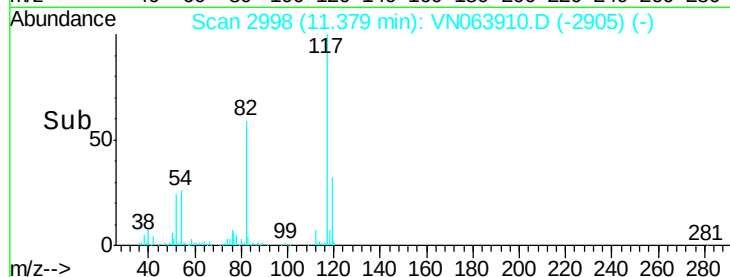
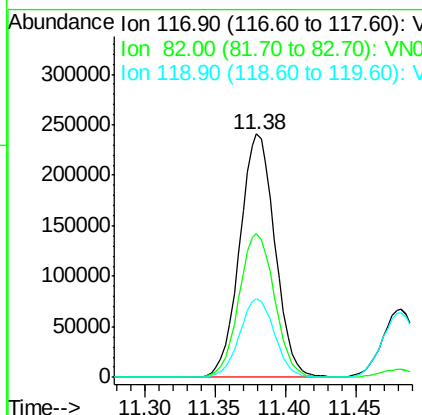
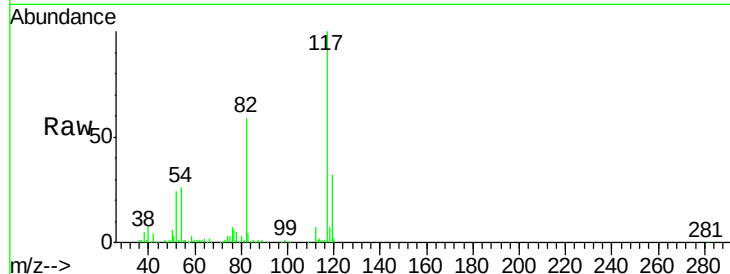
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.9	47.4	71.2
119	32.4	26.4	39.6

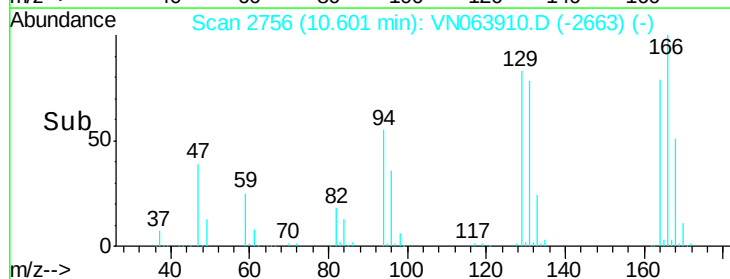
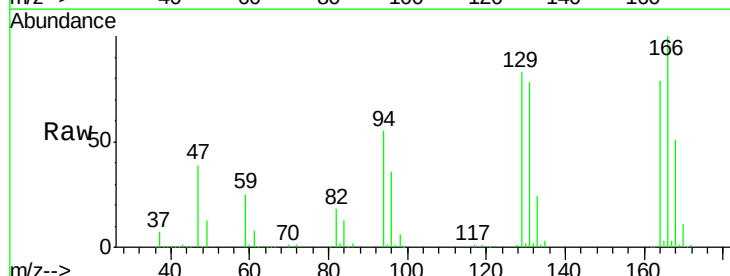
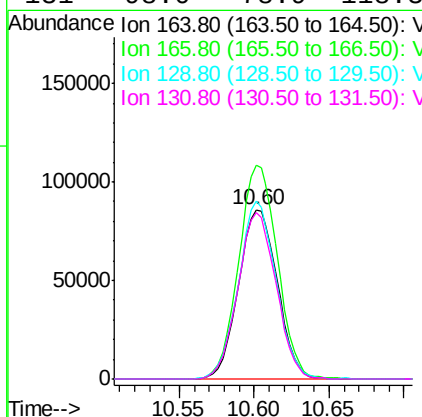
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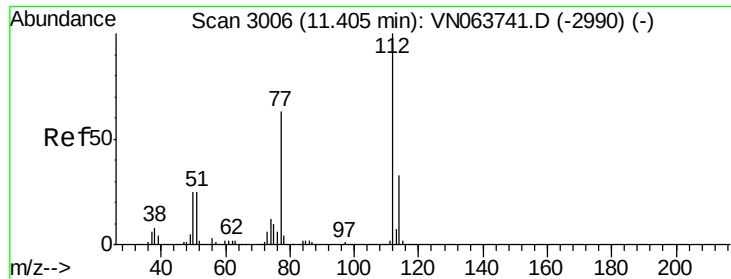
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#64
Tetrachloroethene
Concen: 47.714 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.9	155.9
129	105.0	80.3	120.5
131	98.0	78.9	118.3





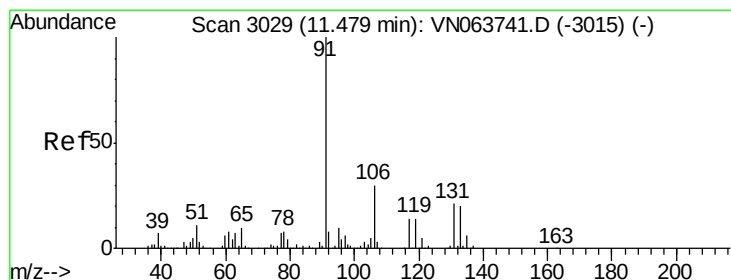
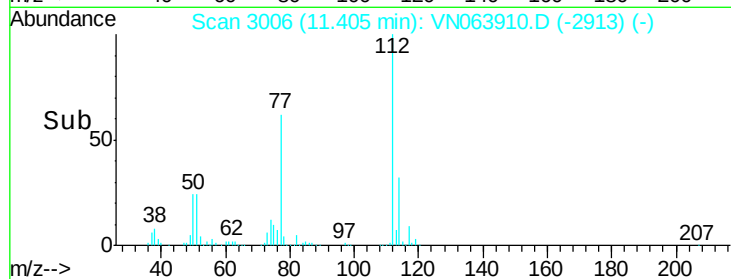
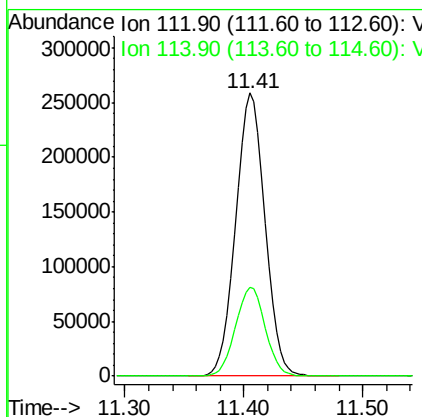
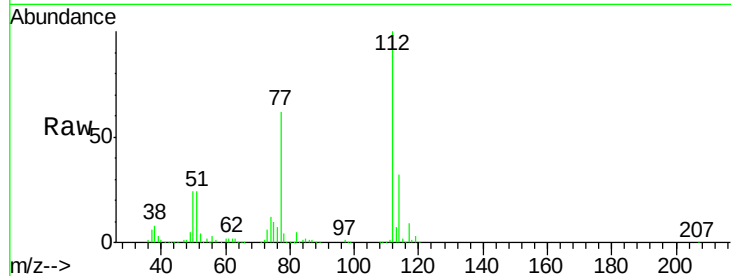
#65
Chlorobenzene
Concen: 51.081 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:112 Resp: 441165
Ion Ratio Lower Upper
112 100
114 31.6 26.1 39.1

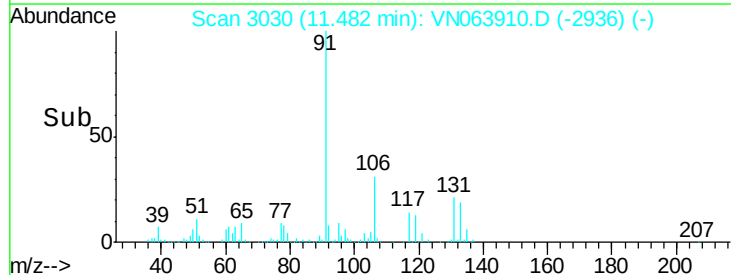
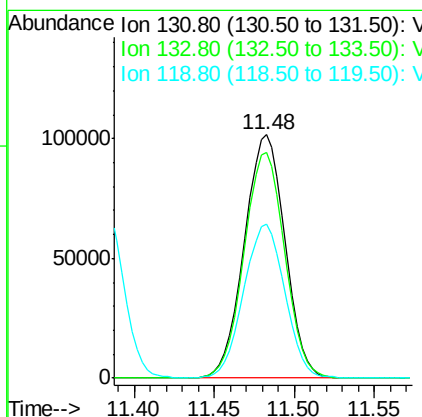
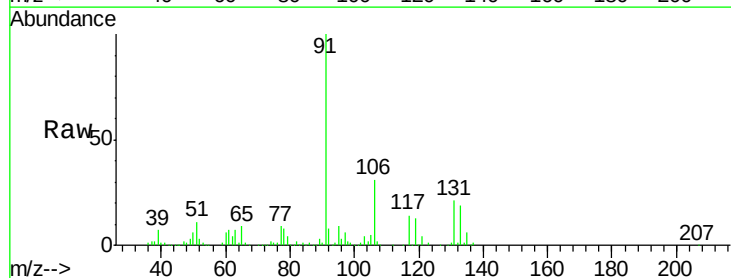
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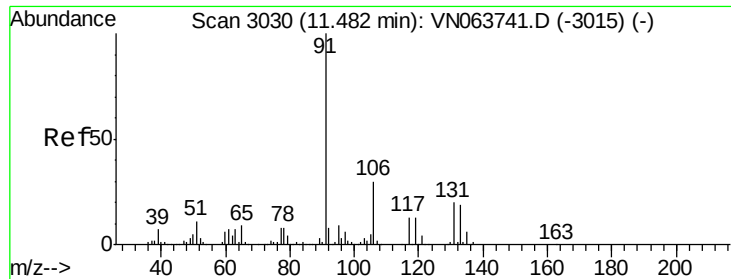
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.423 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion:131 Resp: 176883
Ion Ratio Lower Upper
131 100
133 92.8 47.3 141.8
119 63.9 32.6 97.7





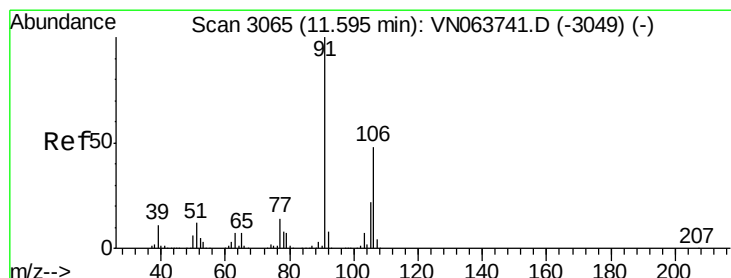
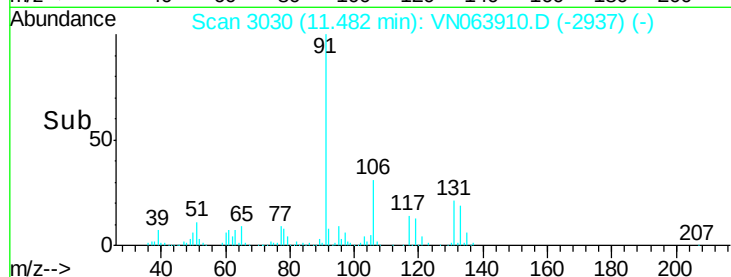
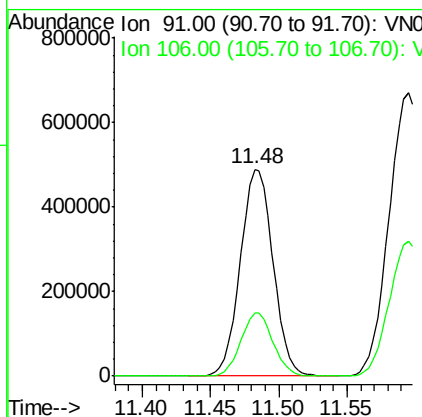
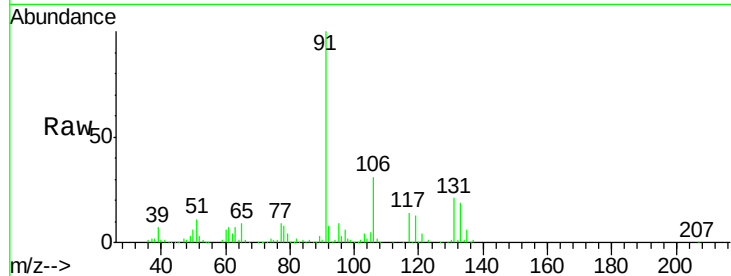
#67
Ethyl Benzene
Concen: 51.886 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 815409
Ion Ratio Lower Upper
91 100
106 30.6 24.2 36.2

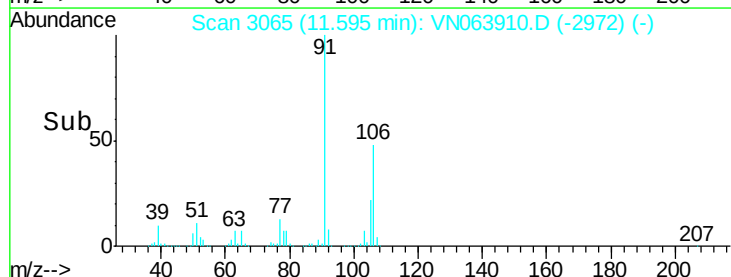
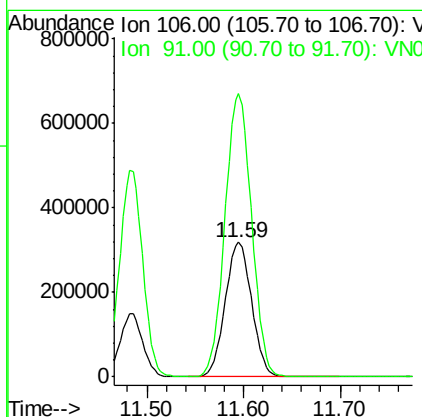
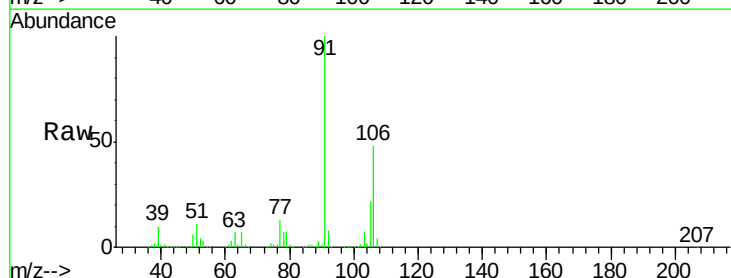
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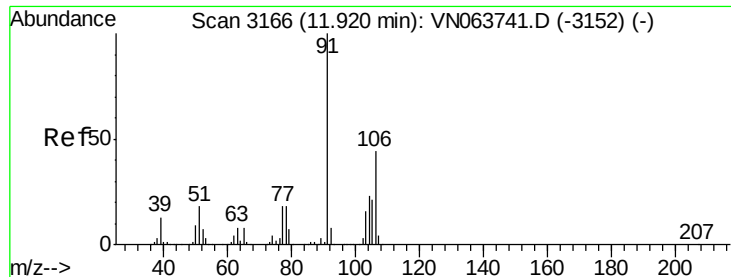
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#68
m/p-Xylenes
Concen: 103.242 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion: 106 Resp: 604696
Ion Ratio Lower Upper
106 100
91 211.7 168.0 252.0





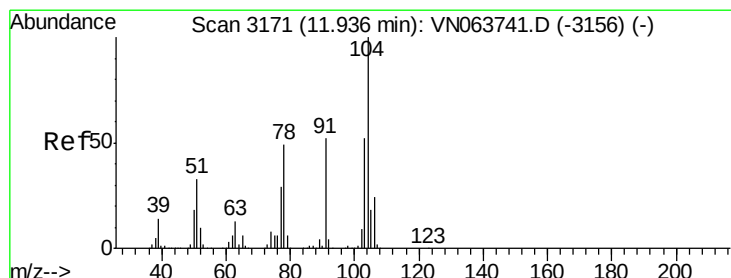
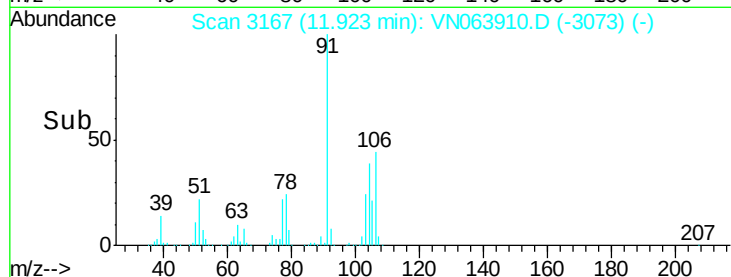
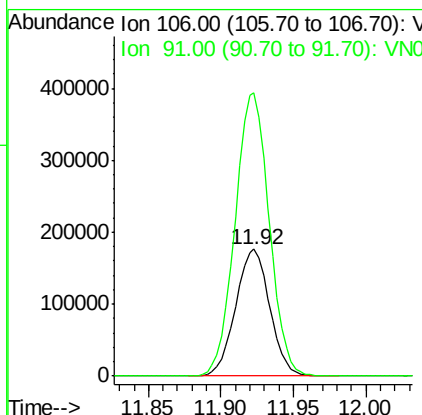
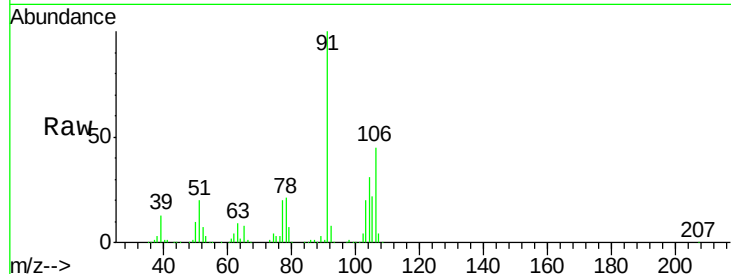
#69
o-Xylene
Concen: 52.609 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 288002
Ion Ratio Lower Upper
106 100
91 223.5 112.7 338.0

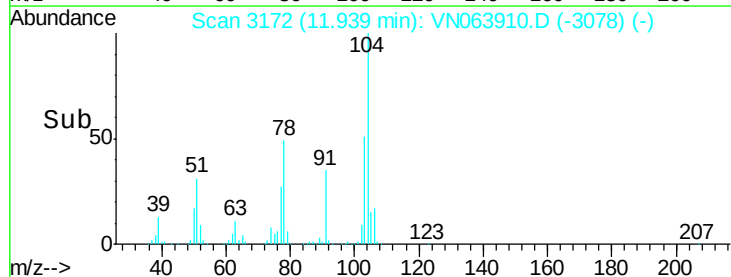
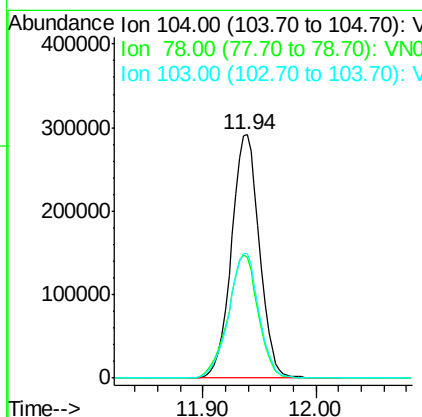
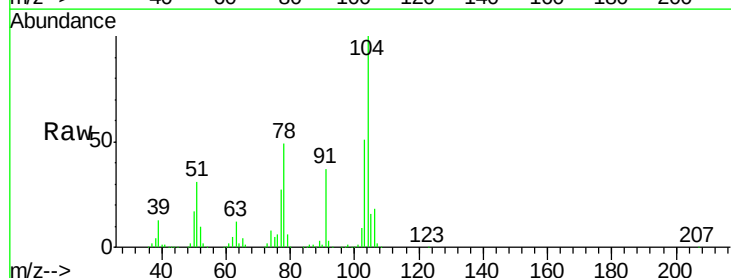
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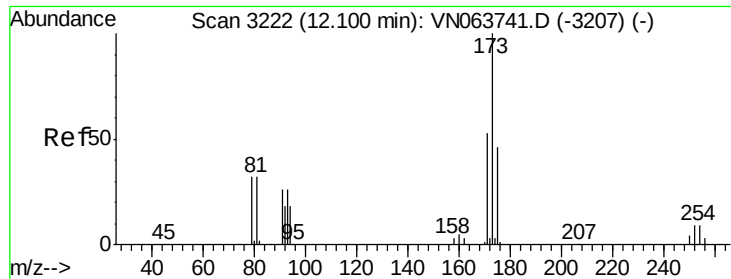
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#70
Styrene
Concen: 54.015 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion:104 Resp: 501942
Ion Ratio Lower Upper
104 100
78 54.2 44.1 66.1
103 55.1 44.3 66.5





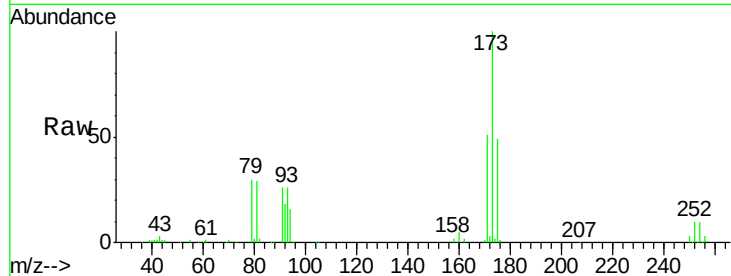
#71
Bromoform
Concen: 53.021 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	23.5	70.5
254	0.1	0.0	0.0#

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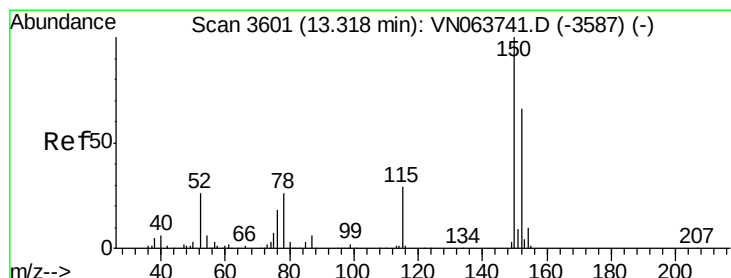
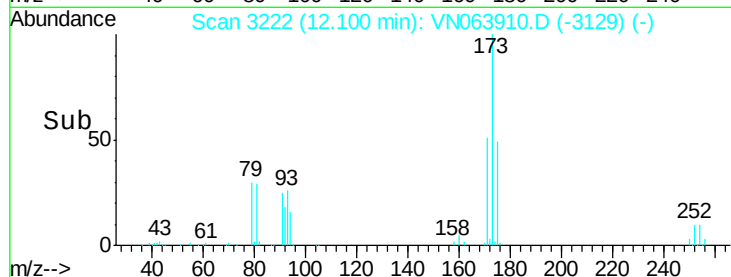
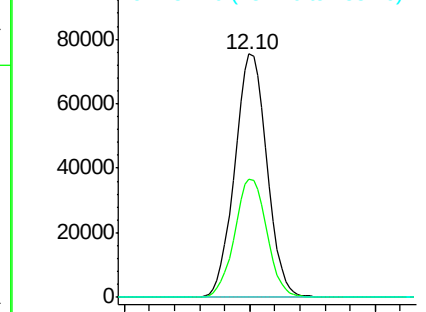


Abundance

Ion 172.70 (172.40 to 173.40): V

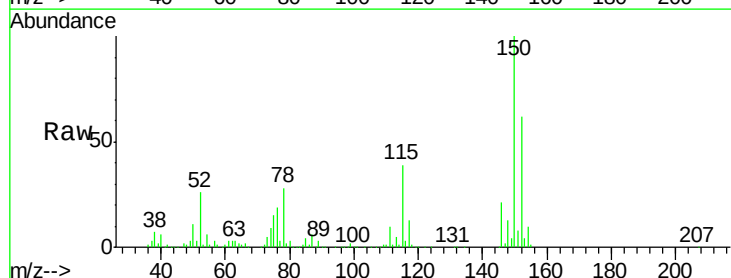
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	31.3	93.8
150	173.6	0.0	341.8

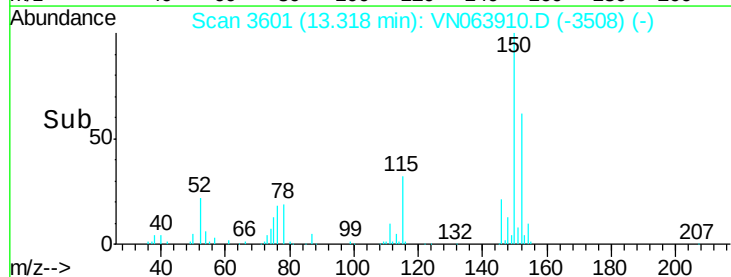
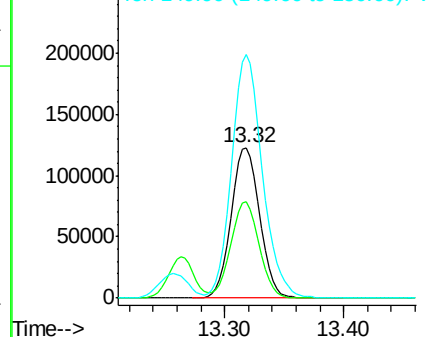


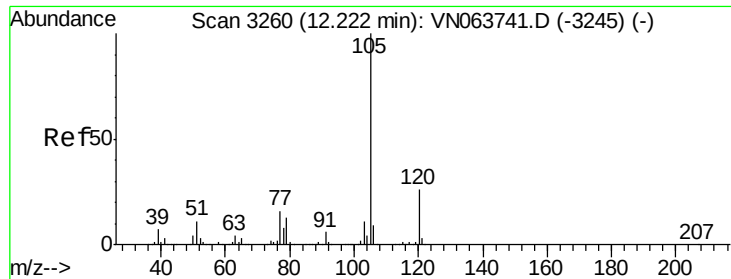
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.128 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 105 Resp: 775026

Ion Ratio Lower Upper

105 100

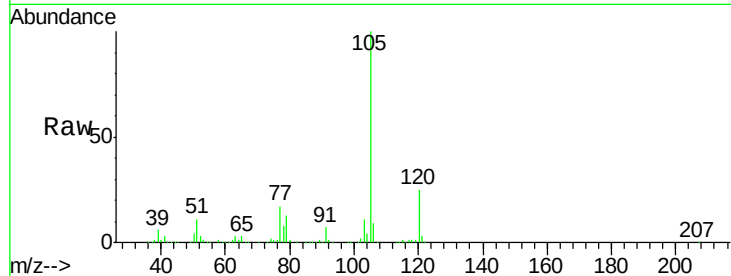
120 25.4 12.6 37.8

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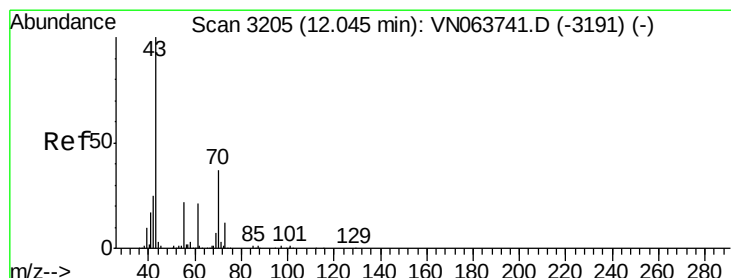
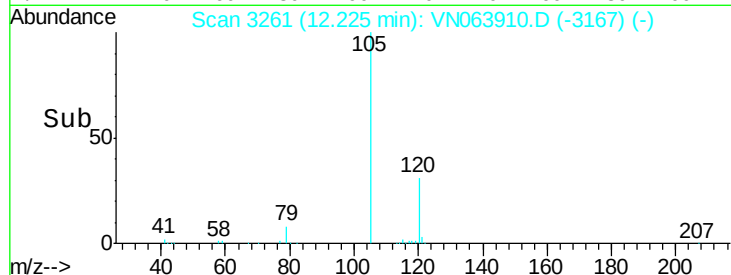
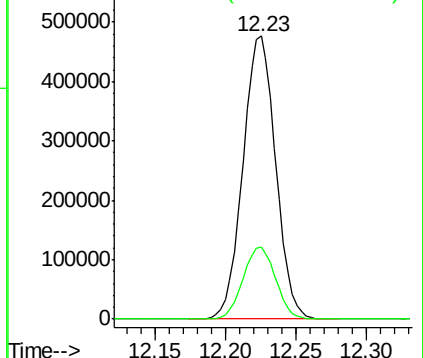
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.123 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Tgt Ion: 43 Resp: 353630

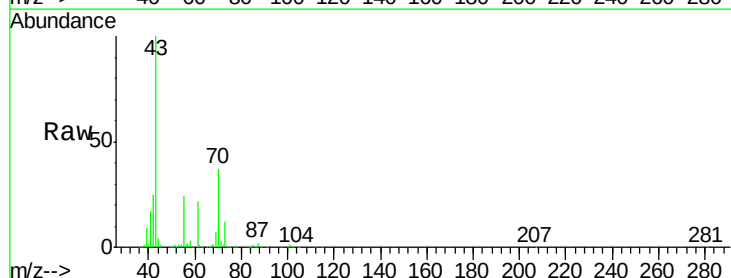
Ion Ratio Lower Upper

43 100

70 36.4 29.8 44.8

55 23.5 17.9 26.9

61 21.4 17.0 25.4

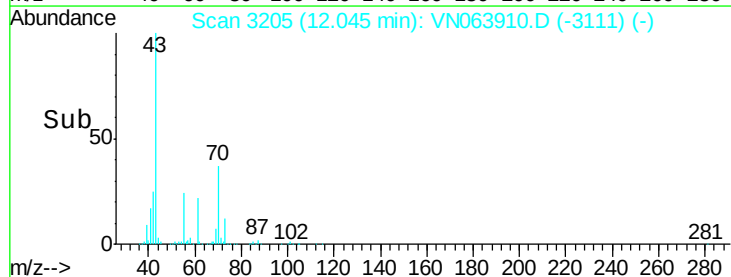
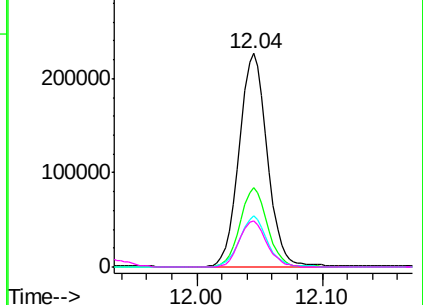


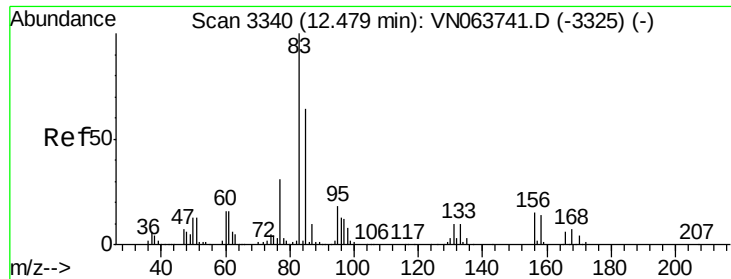
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 52.543 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 238881
Ion Ratio Lower Upper

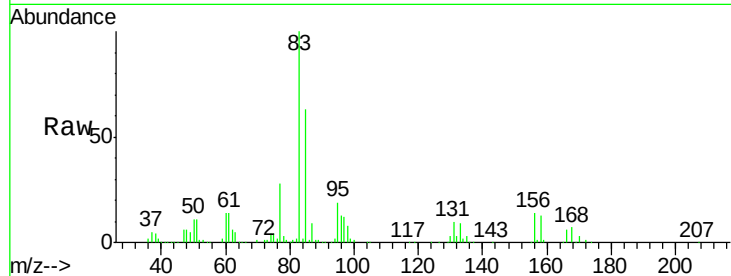
83 100

131 9.8 5.3 15.8

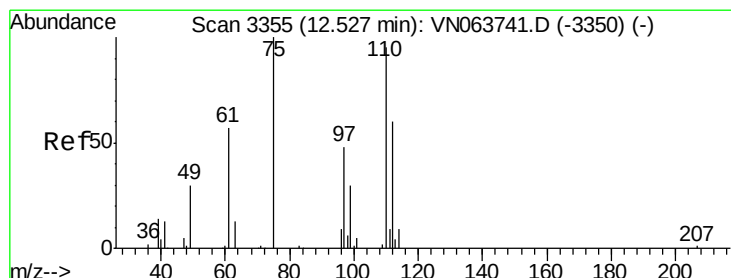
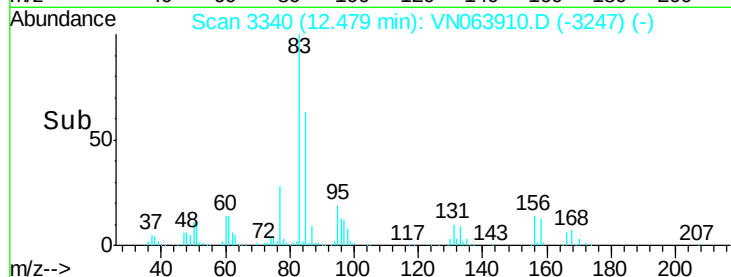
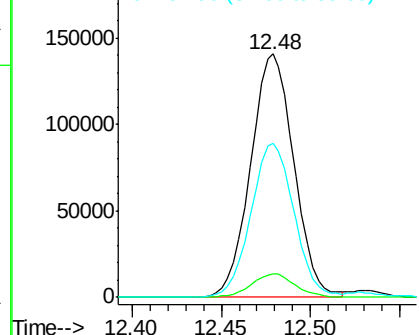
85 63.0 31.3 93.8

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 49.071 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

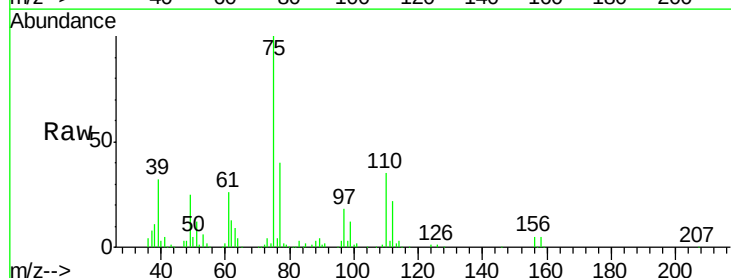
Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

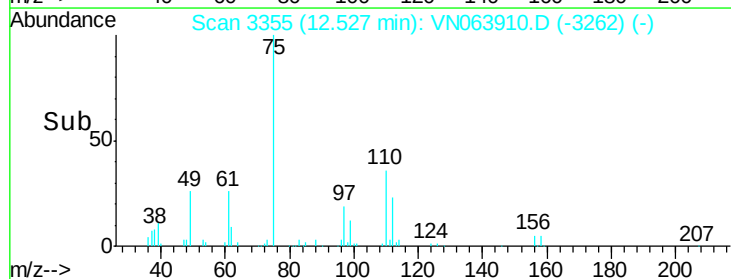
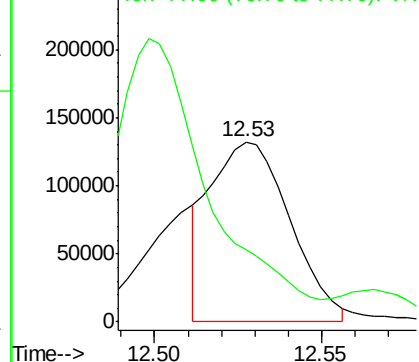
Tgt Ion: 75 Resp: 220495
Ion Ratio Lower Upper

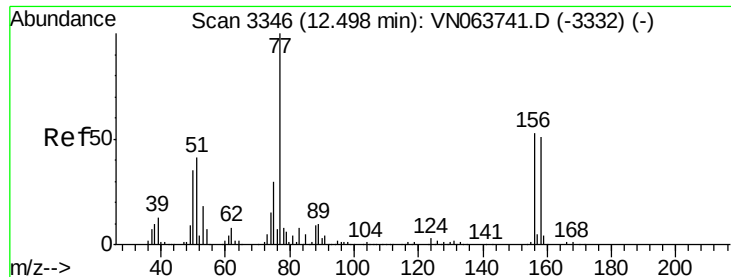
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 52.712 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

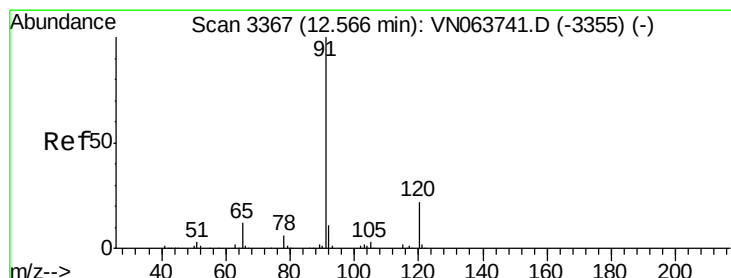
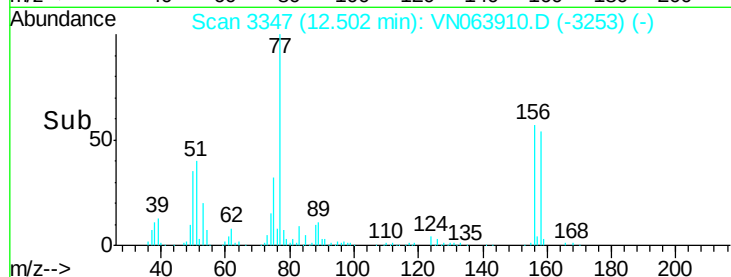
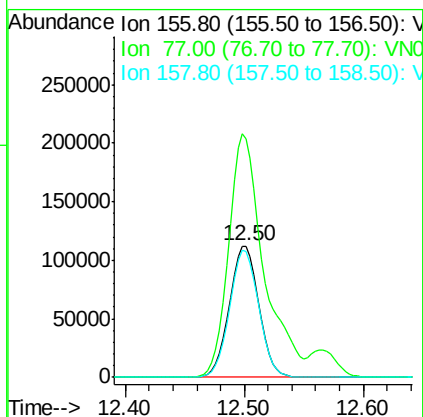
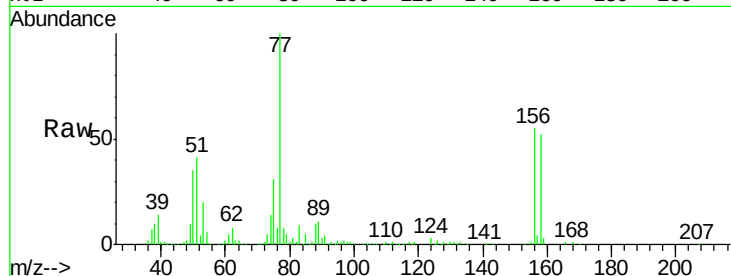
ClientSampled :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.5	110.9	332.7
158	95.7	47.7	143.1

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#78

n-propylbenzene

Concen: 51.006 ug/l

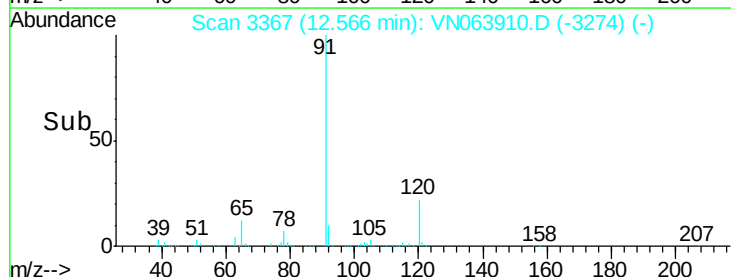
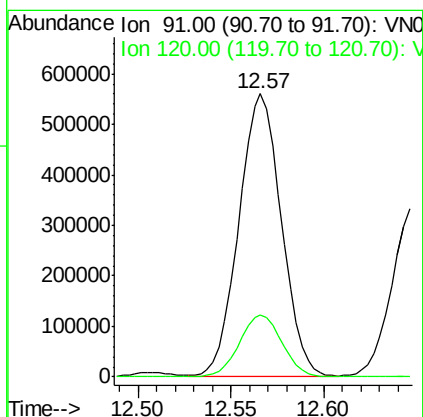
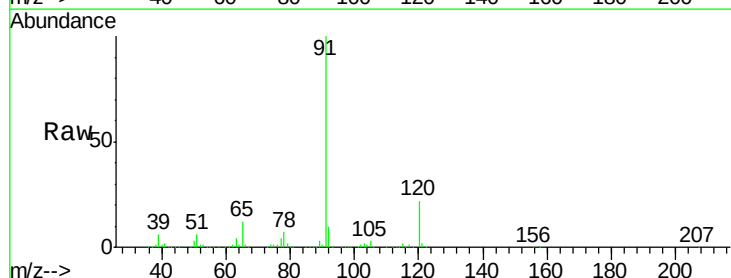
RT: 12.57 min Scan# 3367

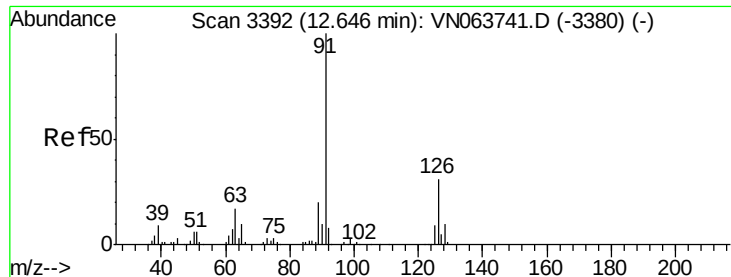
Delta R.T. -0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.1	33.1





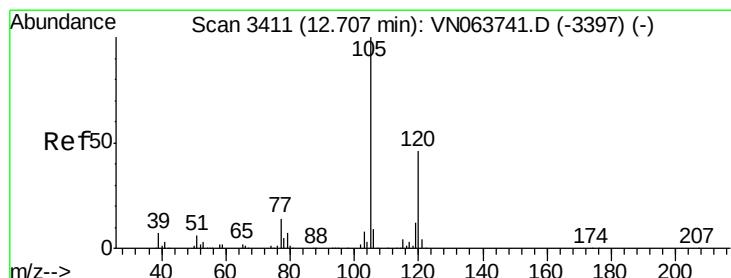
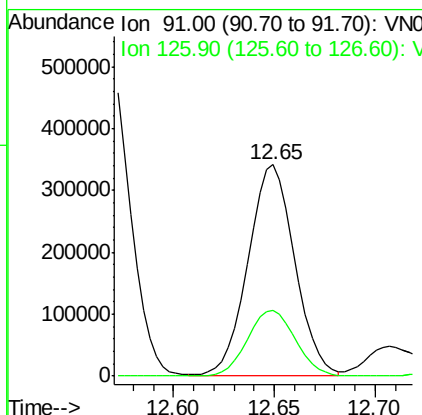
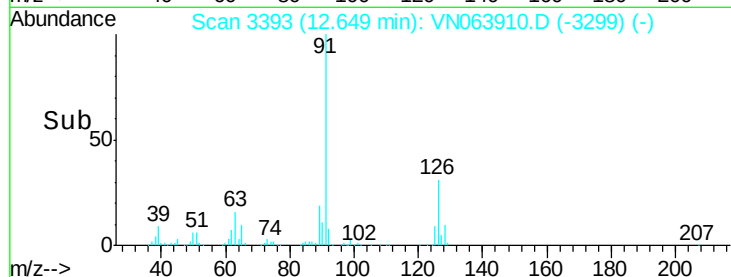
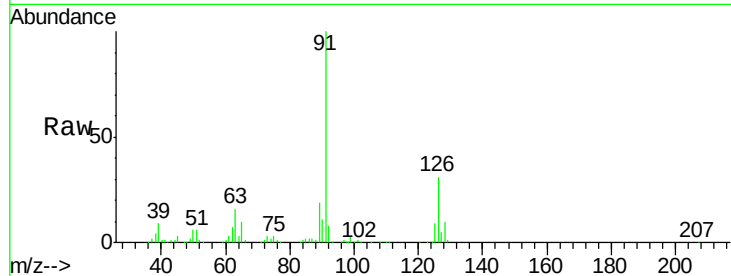
#79
 2-Chlorotoluene
 Concen: 51.579 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 548885
 Ion Ratio Lower Upper
 91 100
 126 32.4 15.9 47.7

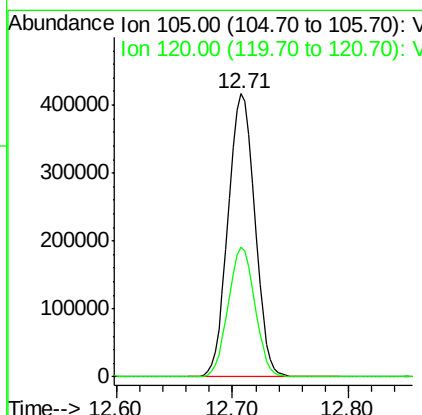
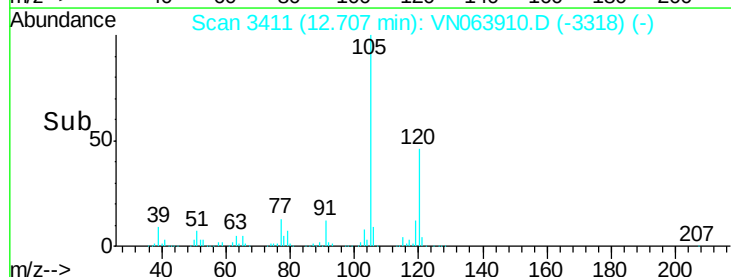
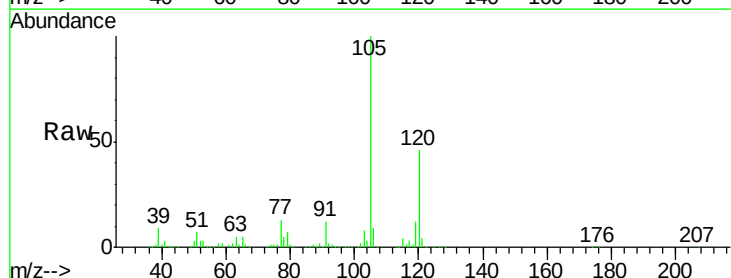
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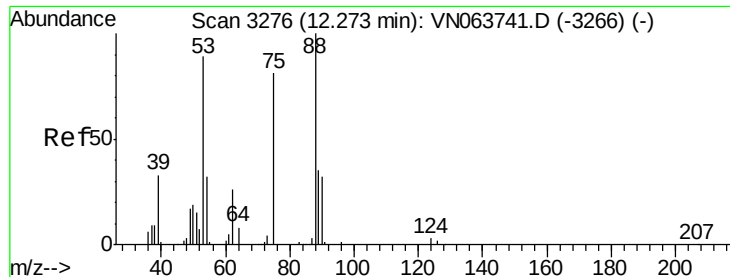
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.002 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Tgt Ion: 105 Resp: 661107
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 50.807 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

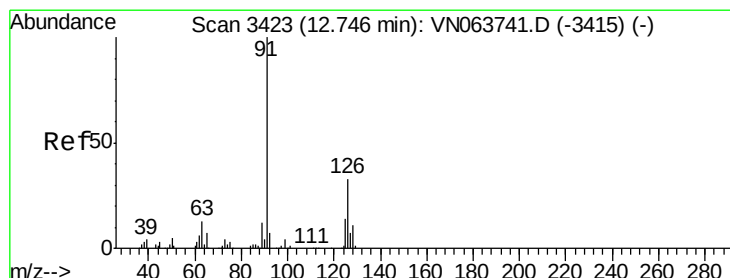
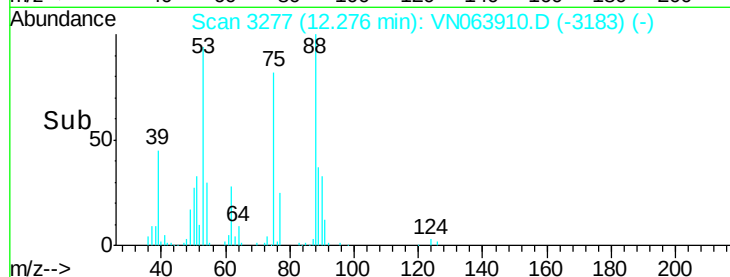
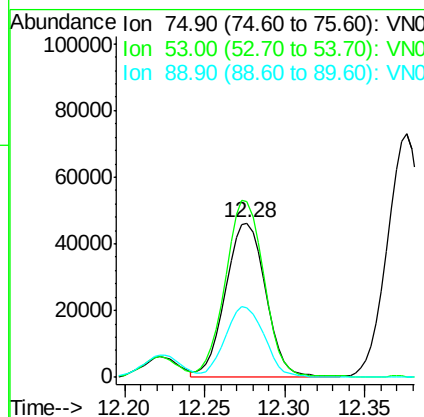
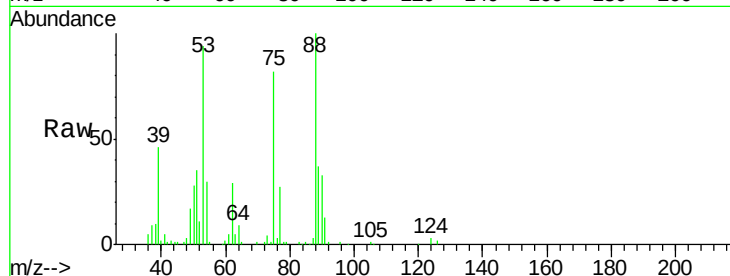
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	79264
Ion Ratio	Lower	Upper	
75	100		
53	111.7	88.2	132.2
89	44.8	36.0	54.0

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#82

4-Chlorotoluene

Concen: 52.427 ug/l

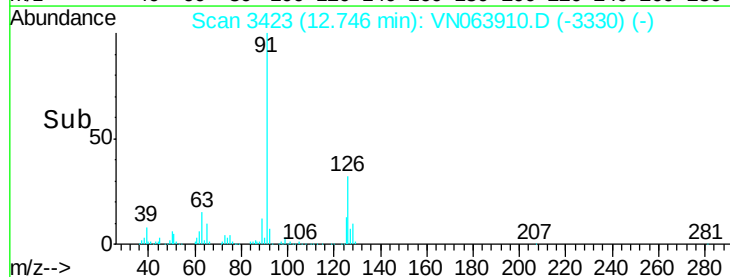
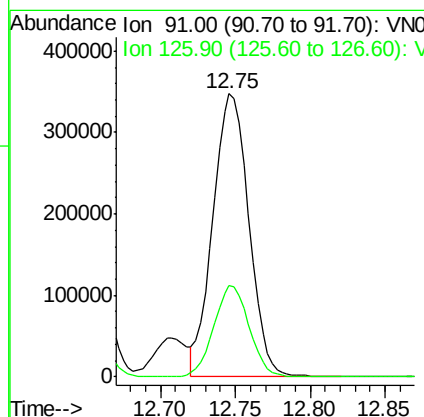
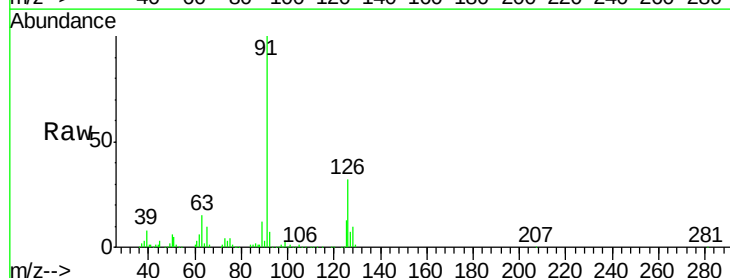
RT: 12.75 min Scan# 3423

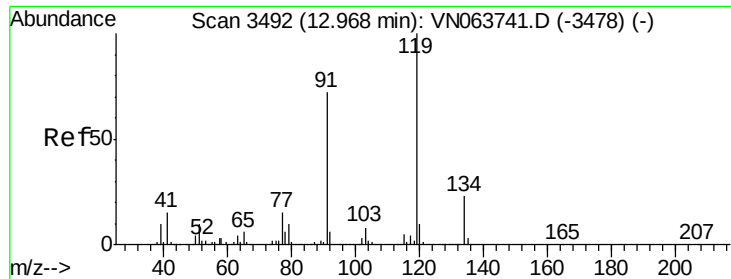
Delta R.T. -0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Tgt Ion:	91	Resp:	579174
Ion Ratio	Lower	Upper	
91	100		
126	31.8	15.4	46.2





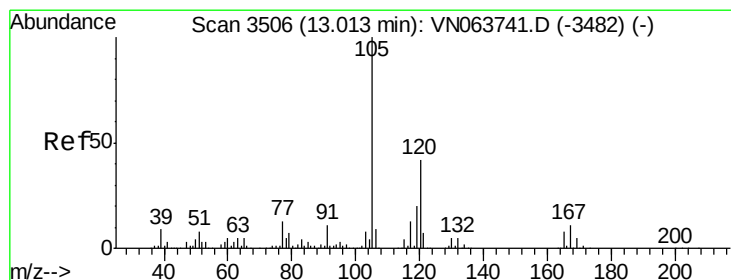
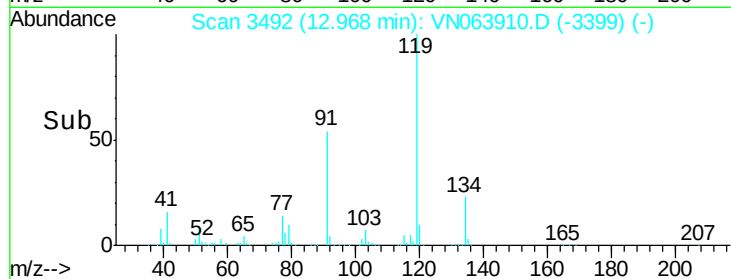
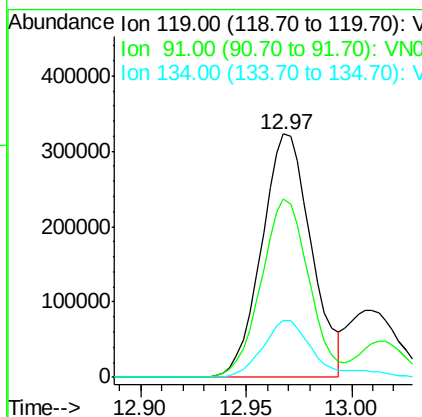
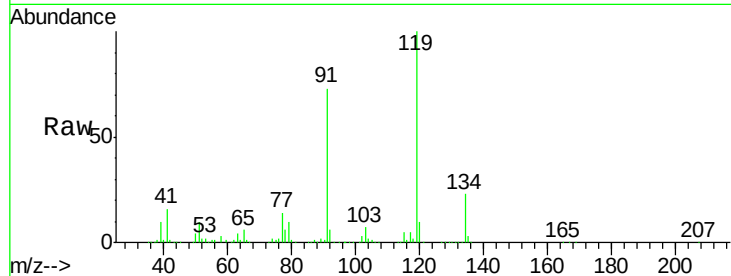
#83
 tert-Butylbenzene
 Concen: 51.741 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.6	35.5	106.5
134	22.7	11.7	35.1

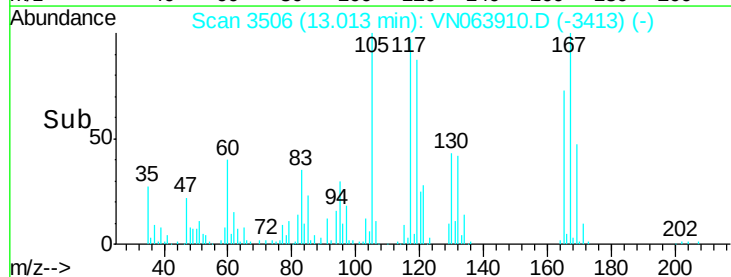
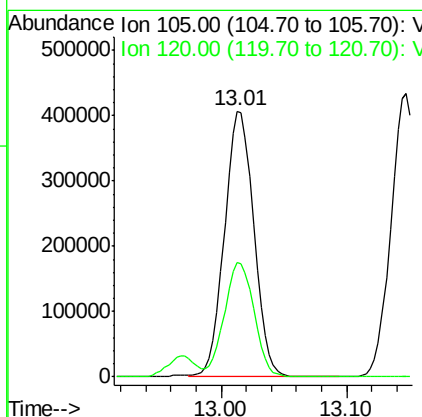
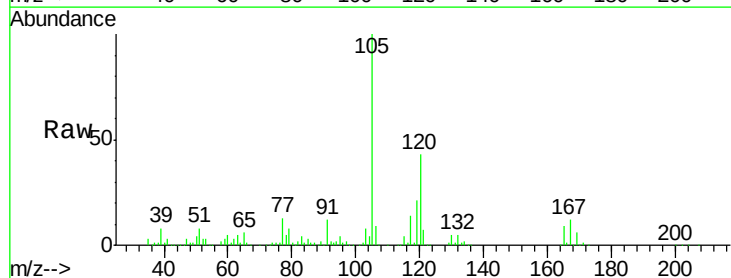
Manual Integrations
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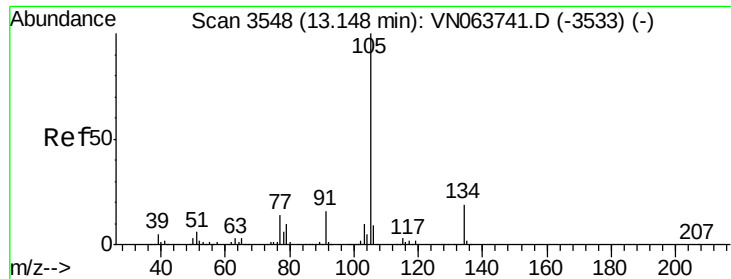
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.886 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	20.9	62.7





#85

sec-Butylbenzene

Concen: 51.000 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 683444

Ion Ratio Lower Upper

105 100

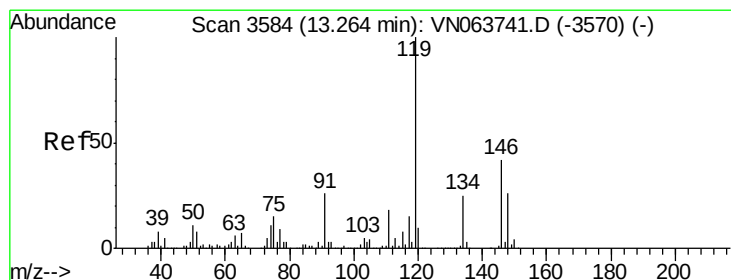
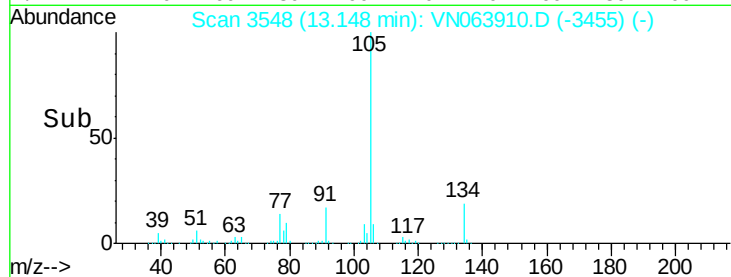
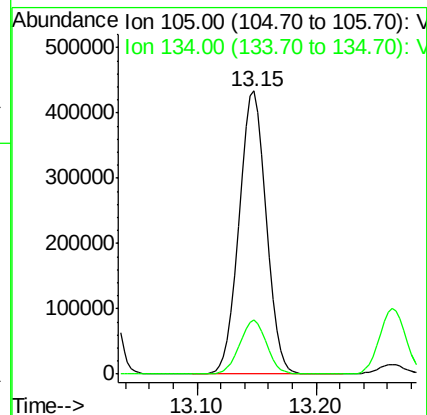
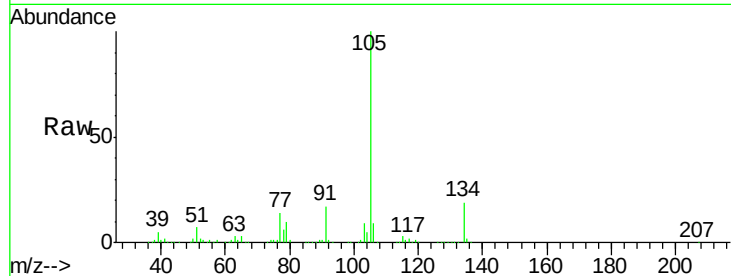
134 19.1 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.198 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

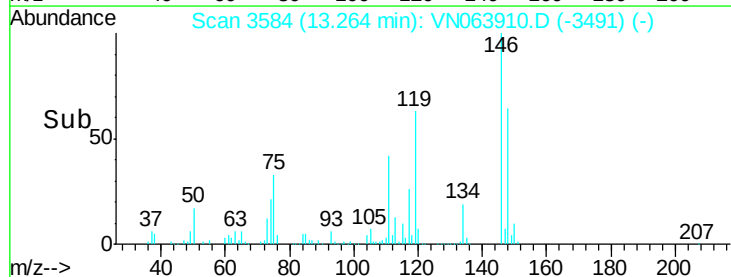
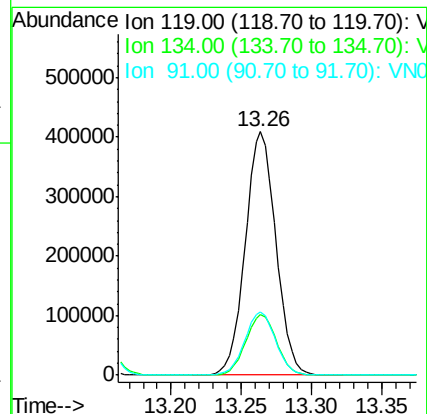
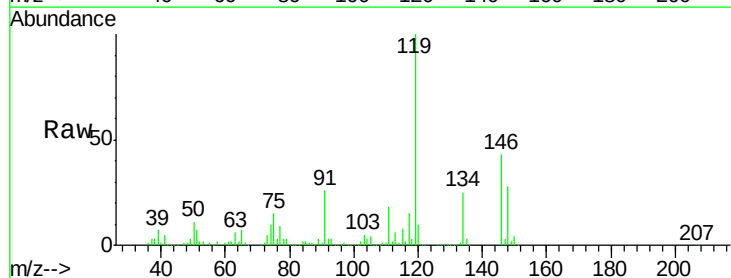
Tgt Ion:119 Resp: 618812

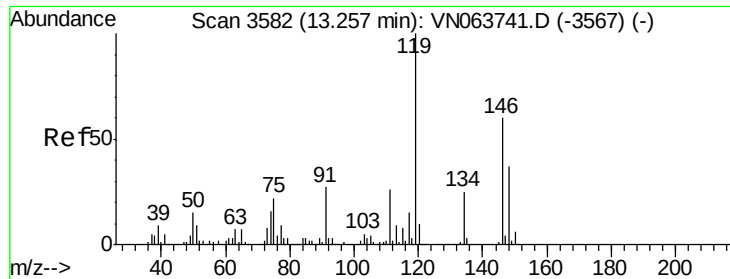
Ion Ratio Lower Upper

119 100

134 25.1 12.6 37.8

91 26.3 13.4 40.2





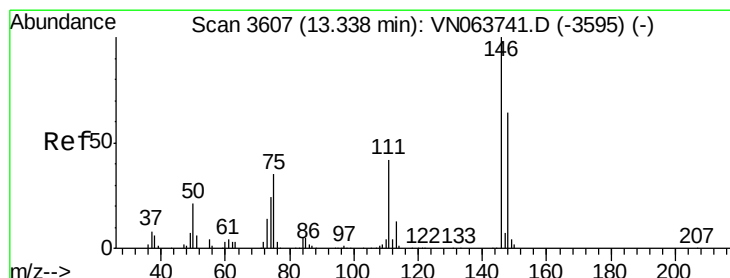
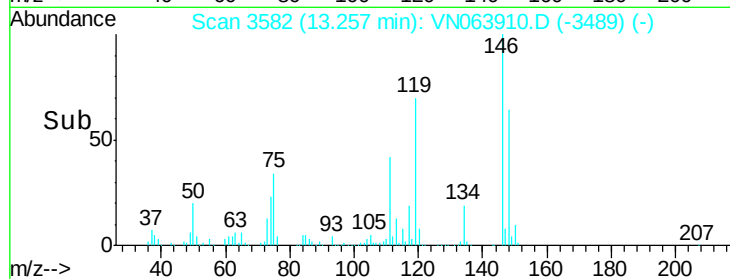
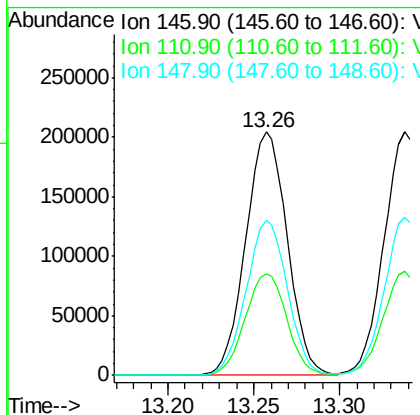
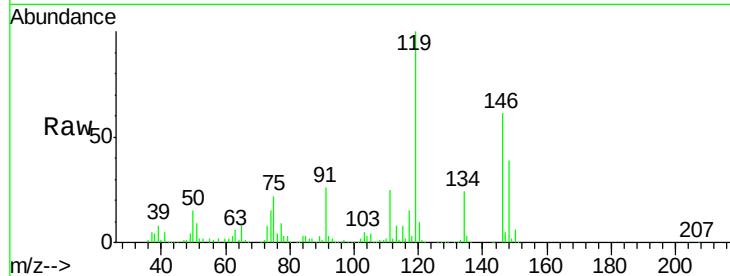
#87
 1,3-Dichlorobenzene
 Concen: 51.912 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	342621		
111	41.9	21.5	64.5	
148	63.4	31.1	93.3	

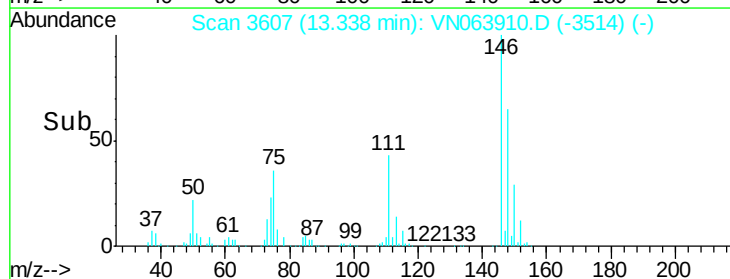
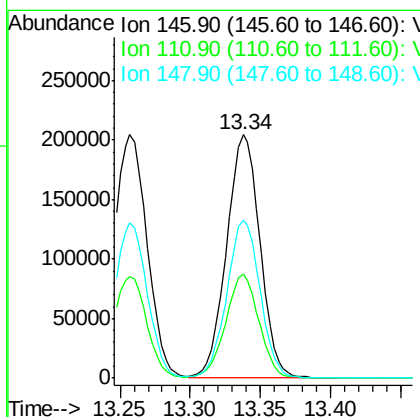
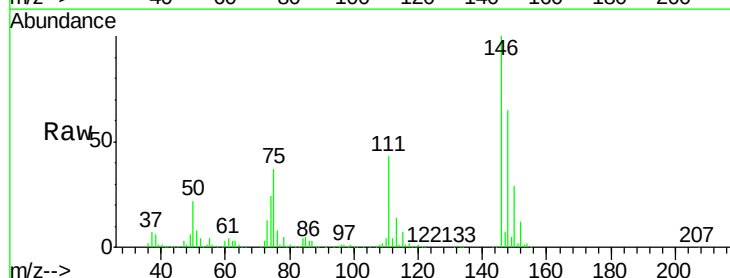
Manual Integrations
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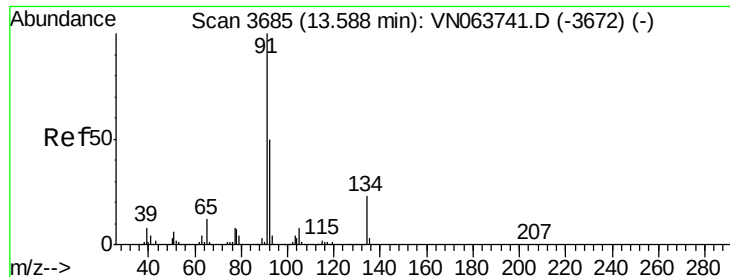
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#88
 1,4-Dichlorobenzene
 Concen: 49.068 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	337194		
111	42.4	21.3	63.7	
148	64.9	32.0	96.0	





#89

n-Butylbenzene

Concen: 47.616 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Instrument :

MSVOA_N

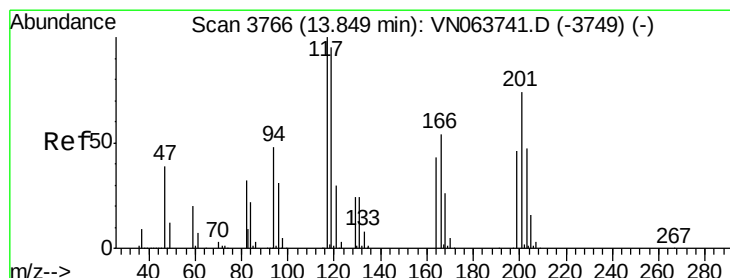
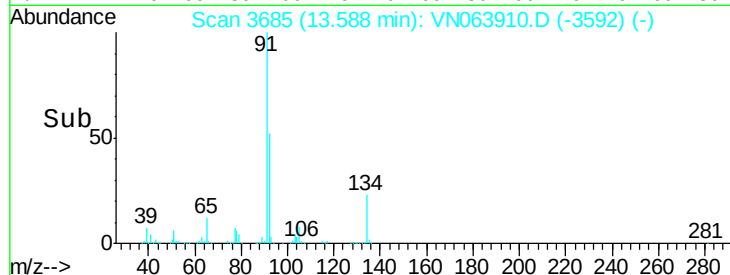
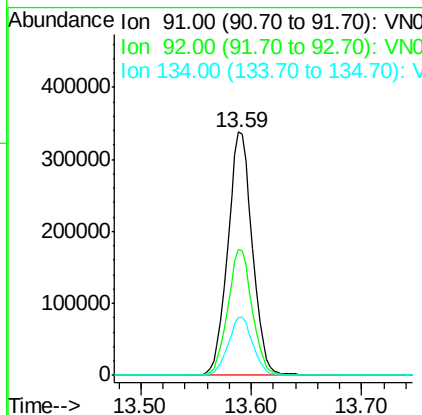
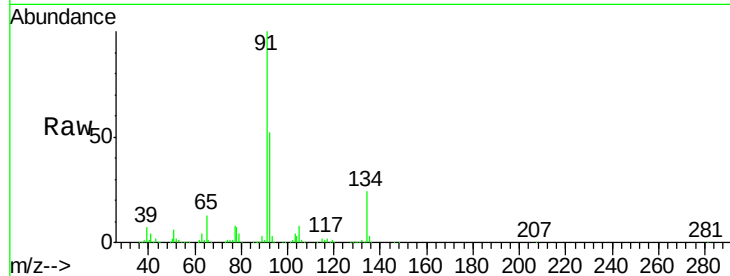
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	521009
Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.4	76.4
134	24.0	11.7	35.1

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#90

Hexachloroethane

Concen: 51.894 ug/l

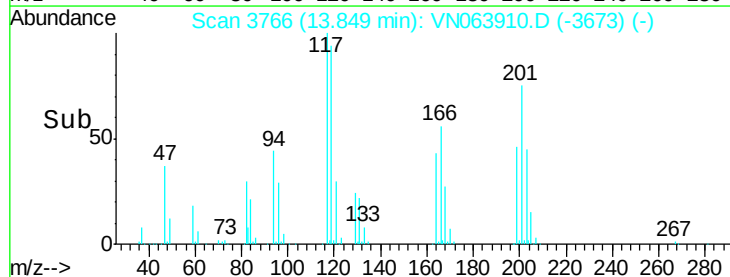
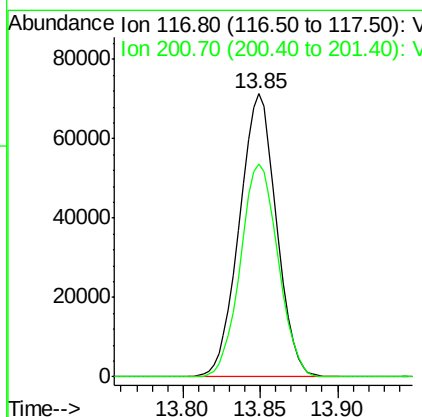
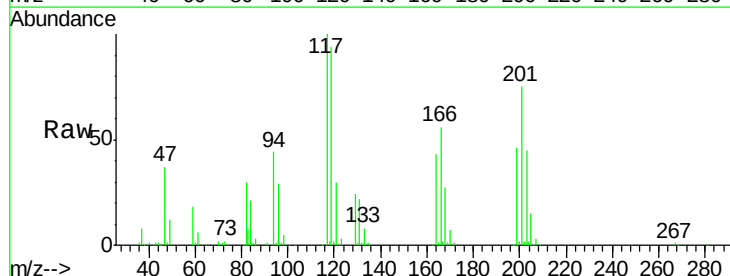
RT: 13.85 min Scan# 3766

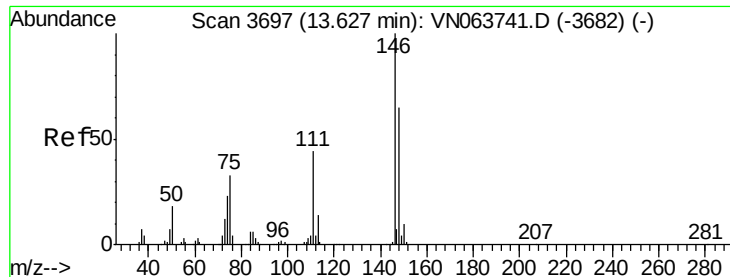
Delta R.T. 0.00 min

Lab File: VN063910.D

Acq: 6 Oct 2020 22:18

Tgt Ion:	117	Resp:	119212
Ion	Ratio	Lower	Upper
117	100		
201	76.3	36.0	108.0





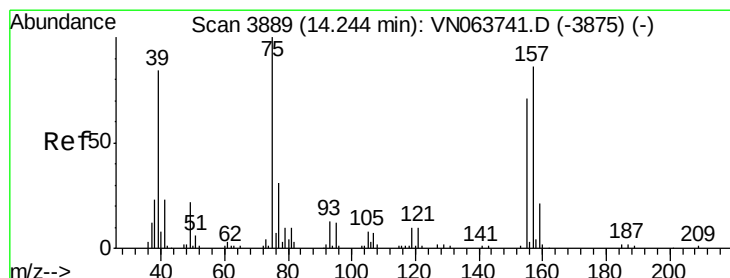
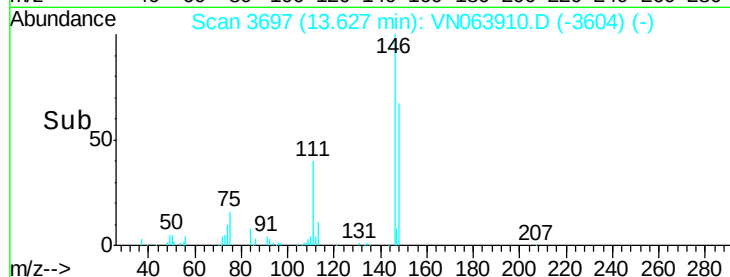
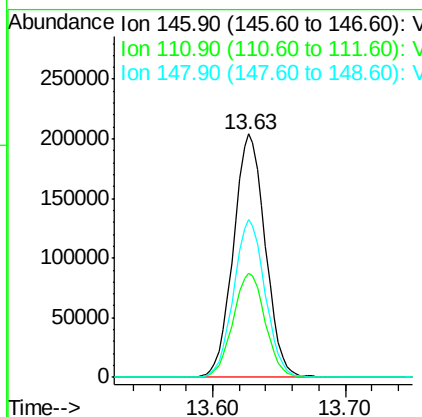
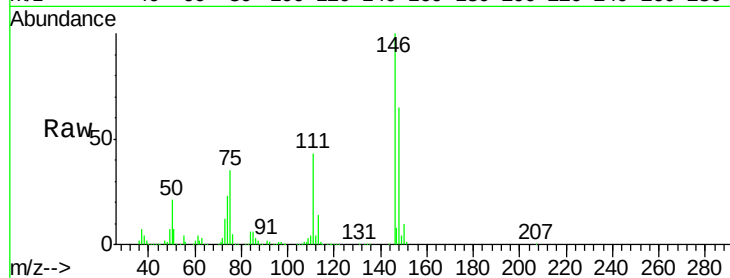
#91
 1,2-Dichlorobenzene
 Concen: 52.055 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	22.2	66.6
148	64.2	32.5	97.4

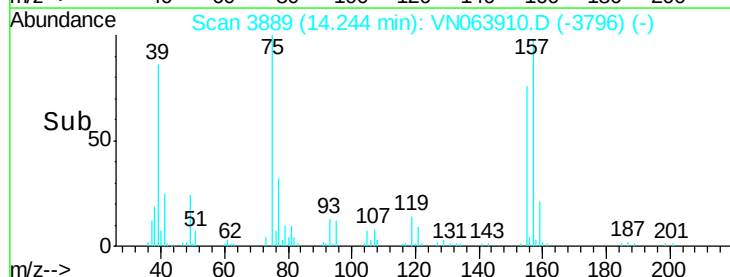
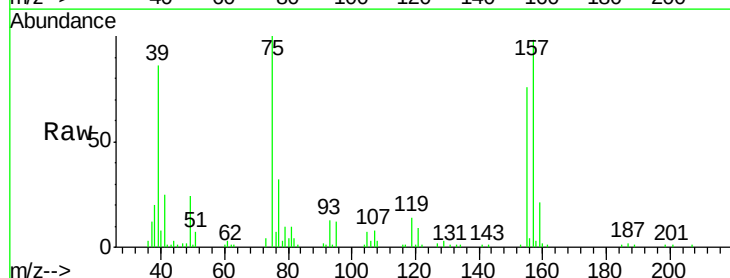
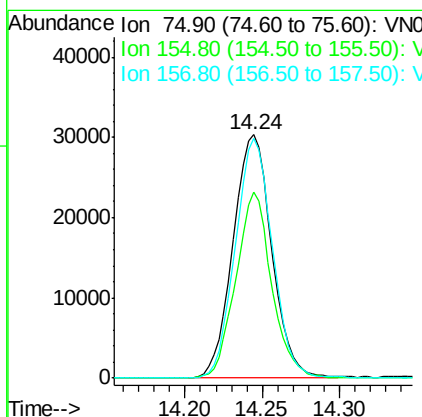
Manual Integrations
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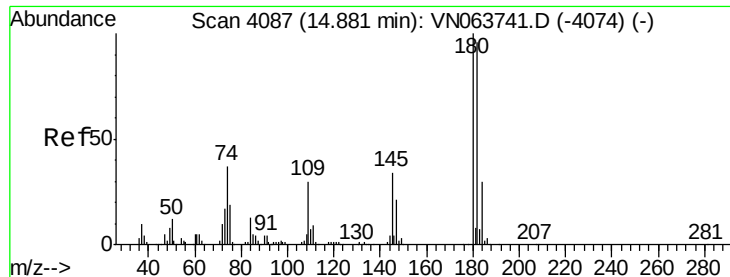
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.530 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.3	34.8	104.5
157	94.0	43.7	131.1





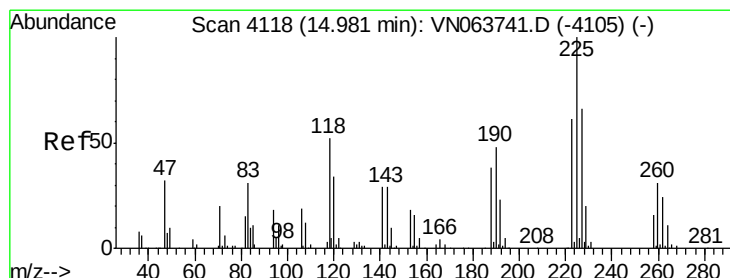
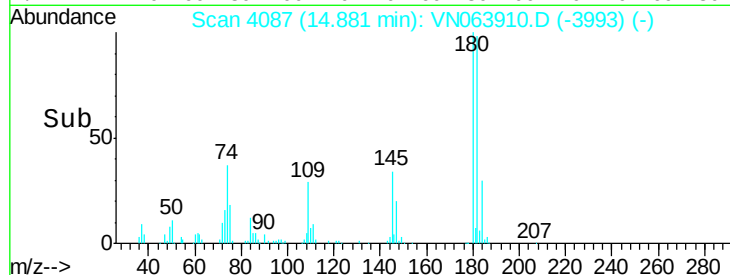
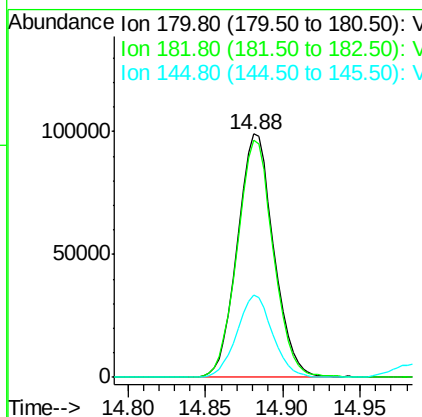
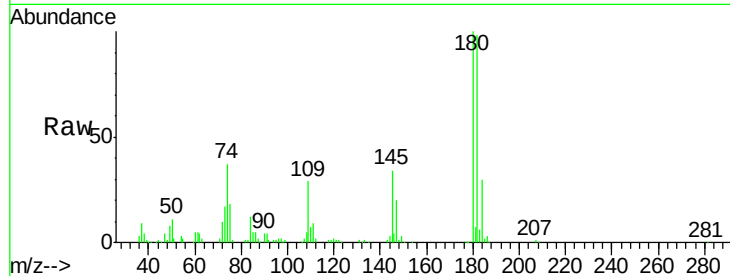
#93
 1,2,4-Trichlorobenzene
 Concen: 45.605 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161547		
182	96.9	48.2	144.6	
145	33.3	17.1	51.2	

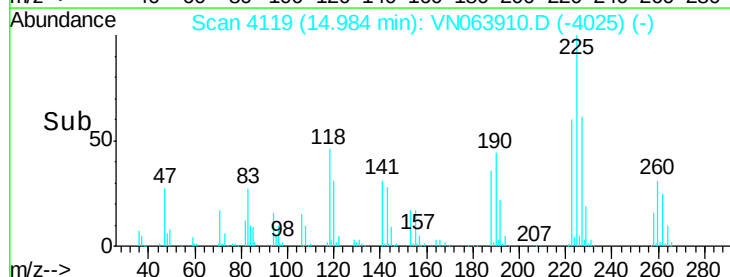
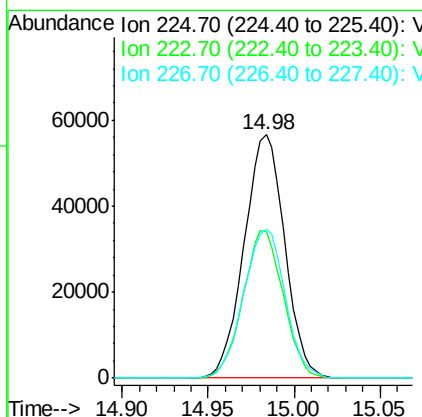
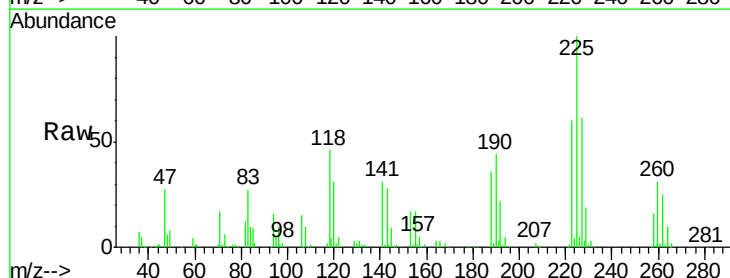
Manual Integrations
 APPROVED

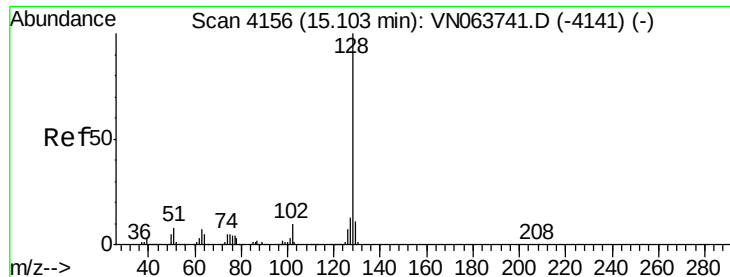
MMDadoda
 10/7/2020 12:11:58 PM



#94
 Hexachlorobutadiene
 Concen: 52.215 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063910.D
 Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92553		
223	60.0	30.3	91.0	
227	62.9	31.9	95.5	





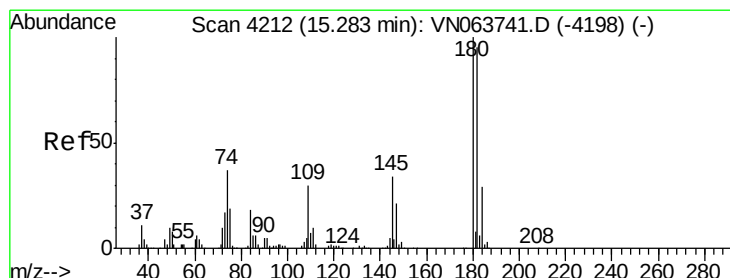
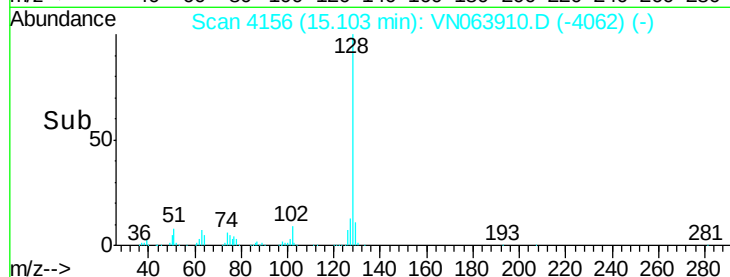
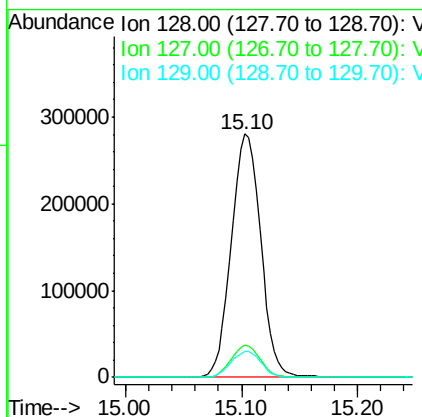
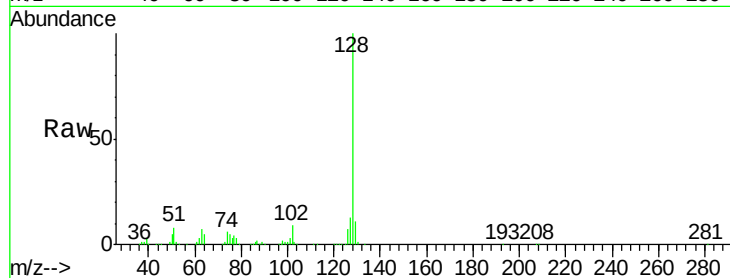
#95
Naphthalene
Concen: 44.939 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/7/2020 12:11:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.822 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN063910.D
Acq: 6 Oct 2020 22:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.6
145	34.6	17.2	51.5

