

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102320\
 Data File : VN064287.D
 Acq On : 23 Oct 2020 15:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/26/2020 1:38:57 PM

Quant Time: Oct 23 16:36:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	278469	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	451647	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	410535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	203862	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	201658	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
35) Dibromofluoromethane	7.55	113	151909	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
50) Toluene-d8	10.06	98	545507	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.38	95	219330	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	171177	50.312	ug/l	98
3) Chloromethane	2.04	50	168021	52.205	ug/l	99
4) Vinyl Chloride	2.16	62	167666	52.545	ug/l	94
5) Bromomethane	2.53	94	103036	49.539	ug/l	95
6) Chloroethane	2.67	64	96525	49.692	ug/l	96
7) Trichlorofluoromethane	2.99	101	276964	52.781	ug/l	98
8) Diethyl Ether	3.37	74	90131	51.925	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	143005	52.702	ug/l	99
10) Methyl Iodide	3.91	142	190176	49.286	ug/l	99
11) Tert butyl alcohol	4.72	59	133257	240.720	ug/l	100
12) 1,1-Dichloroethene	3.70	96	134469	51.523	ug/l	99
13) Acrolein	3.56	56	108056	310.955	ug/l	99
14) Allyl chloride	4.27	41	265725	50.871	ug/l	99
15) Acrylonitrile	4.93	53	299015	261.218	ug/l	98
16) Acetone	3.77	43	357597	302.213	ug/l	99
17) Carbon Disulfide	4.01	76	374518	50.307	ug/l	96
18) Methyl Acetate	4.28	43	161071	53.420	ug/l	96
19) Methyl tert-butyl Ether	4.98	73	461965	51.486	ug/l	94
20) Methylene Chloride	4.50	84	152347	48.284	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	147388	51.213	ug/l	93
22) Diisopropyl ether	5.90	45	487035	50.156	ug/l	98
23) Vinyl Acetate	5.84	43	2257551	260.694	ug/l	100
24) 1,1-Dichloroethane	5.79	63	298075	52.988	ug/l	100
25) 2-Butanone	6.78	43	510165	271.375	ug/l	100
26) 2,2-Dichloropropane	6.77	77	284218	50.751	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	170312	50.816	ug/l	98
28) Bromochloromethane	7.15	49	135280	50.622	ug/l	99
29) Tetrahydrofuran	7.16	42	292481	260.093	ug/l	98
30) Chloroform	7.33	83	309123	51.517	ug/l	100
31) Cyclohexane	7.61	56	229494	46.813	ug/l	91
32) 1,1,1-Trichloroethane	7.52	97	291592	51.874	ug/l	99
36) 1,1-Dichloropropene	7.75	75	231753	51.470	ug/l	98
37) Ethyl Acetate	6.88	43	212433	51.963	ug/l	99
38) Carbon Tetrachloride	7.73	117	263451	51.425	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	215661	52.674	ug/l	99
40) Benzene	8.00	78	628495	50.565	ug/l	99
41) Methacrylonitrile	7.12	41	89574	41.769	ug/l	95
42) 1,2-Dichloroethane	8.08	62	269480	50.611	ug/l	99
43) Isopropyl Acetate	8.12	43	386480	50.726	ug/l #	90
44) Trichloroethene	8.80	130	173227	51.145	ug/l	99
45) 1,2-Dichloropropane	9.08	63	168354	50.737	ug/l	98
46) Dibromomethane	9.17	93	114692	51.476	ug/l	95
47) Bromodichloromethane	9.37	83	256894	52.188	ug/l	99
48) Methyl methacrylate	9.16	41	194139	48.778	ug/l	99
49) 1,4-Dioxane	9.16	88	46114	990.250	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1069984	262.769	ug/l	99
52) Toluene	10.12	92	403131	50.689	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	284829	52.088	ug/l	100
54) cis-1,3-Dichloropropene	9.80	75	292116	50.736	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	155786	51.864	ug/l	98
56) Ethyl methacrylate	10.40	69	241264	51.947	ug/l	99
57) 1,3-Dichloropropane	10.68	76	274535	52.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	616943	257.962	ug/l	99
59) 2-Hexanone	10.72	43	792793	266.594	ug/l	100
60) Dibromochloromethane	10.87	129	198213	50.975	ug/l	98
61) 1,2-Dibromoethane	10.97	107	165932	52.350	ug/l	100
64) Tetrachloroethene	10.60	164	170631	51.627	ug/l	97
65) Chlorobenzene	11.41	112	438231	51.570	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	175630	52.068	ug/l	98
67) Ethyl Benzene	11.48	91	808639	51.779	ug/l	98
68) m/p-Xylenes	11.59	106	605505	104.646	ug/l	98
69) o-Xylene	11.92	106	290369	51.888	ug/l	98
70) Styrene	11.94	104	493691	52.631	ug/l	100
71) Bromoform	12.10	173	137135	52.629	ug/l #	96
73) Isopropylbenzene	12.22	105	779953	50.163	ug/l	100
74) N-amyl acetate	12.04	43	341262	50.794	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	203577	49.339	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	222197m	51.701	ug/l	
77) Bromobenzene	12.50	156	189227	51.551	ug/l	98
78) n-propylbenzene	12.56	91	889050	50.713	ug/l	98
79) 2-Chlorotoluene	12.65	91	540289	50.176	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	662102	50.370	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	82669	48.564	ug/l	100
82) 4-Chlorotoluene	12.75	91	579877	51.627	ug/l	98
83) tert-Butylbenzene	12.97	119	537847	49.906	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	671282	51.309	ug/l	100
85) sec-Butylbenzene	13.14	105	703992	51.815	ug/l	100
86) p-Isopropyltoluene	13.26	119	651070	52.623	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	337054	51.605	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	342833	51.283	ug/l	100
89) n-Butylbenzene	13.59	91	580909	52.378	ug/l	99
90) Hexachloroethane	13.85	117	109517	48.876	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	325871	50.858	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49253	47.848	ug/l	94

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Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	195450	54.386	ug/l	99
94) Hexachlorobutadiene	14.98	225	100378	51.787	ug/l	98
95) Naphthalene	15.10	128	569779	52.943	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	181097	50.879	ug/l	98

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

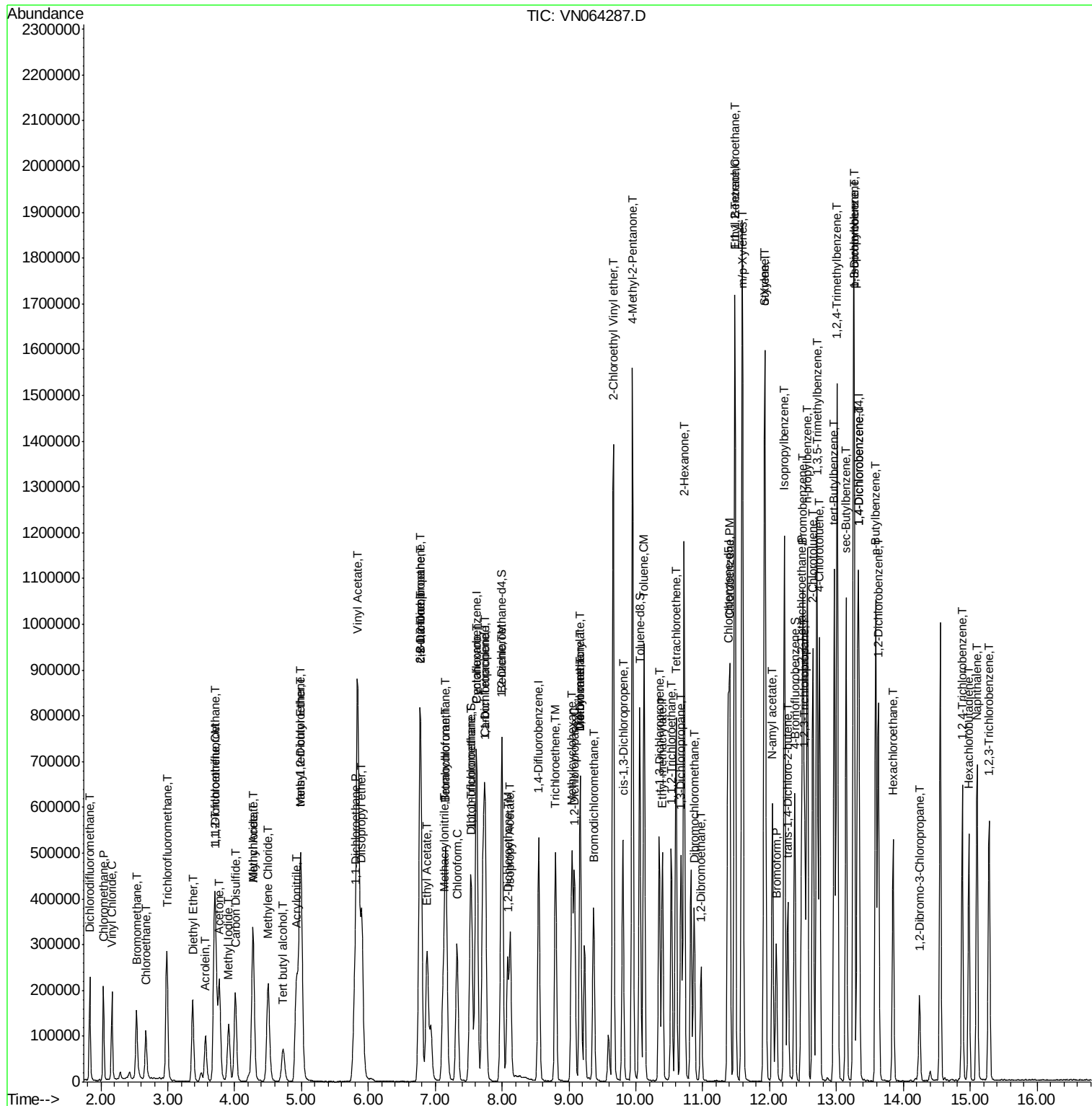
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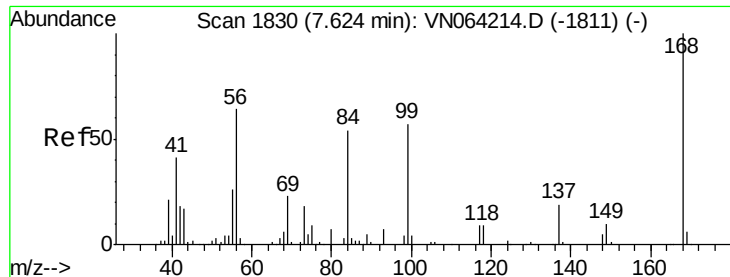
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDCCC050

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 278469

Ion Ratio Lower Upper

168 100

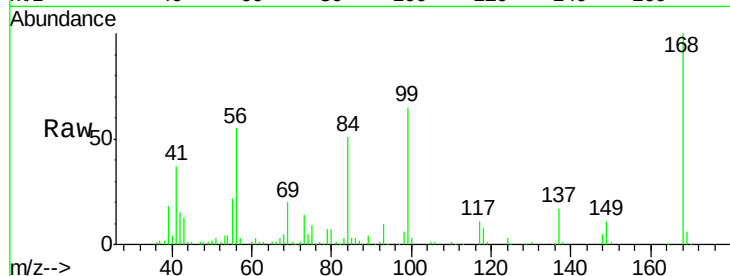
99 64.5 54.0 81.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

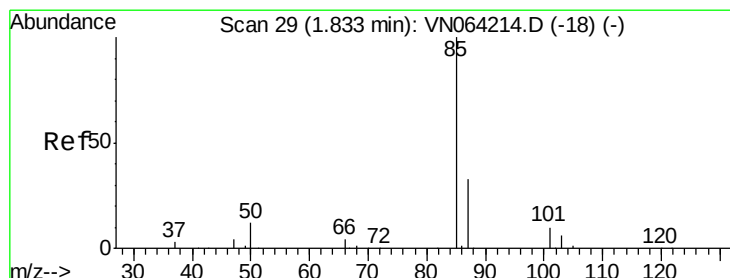
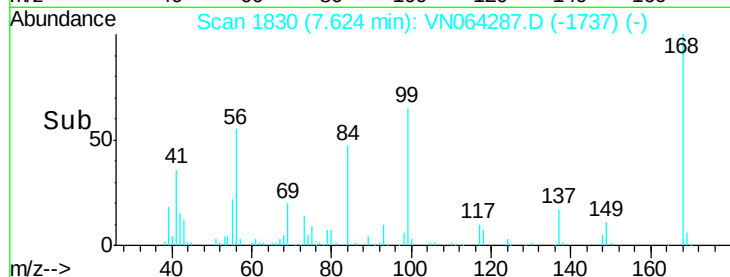
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 50.312 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064287.D

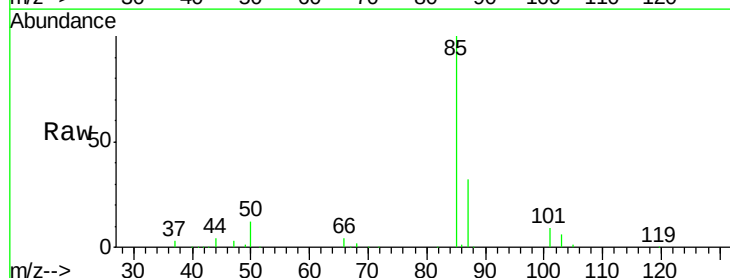
Acq: 23 Oct 2020 15:32

Tgt Ion: 85 Resp: 171177

Ion Ratio Lower Upper

85 100

87 32.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

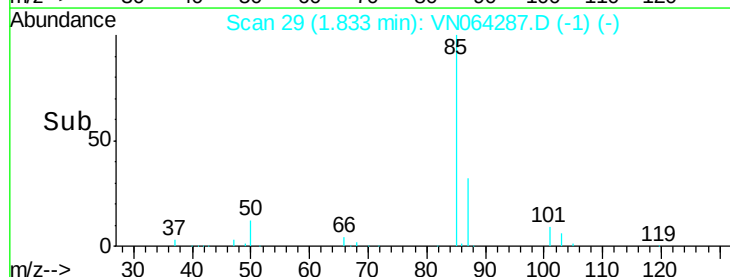
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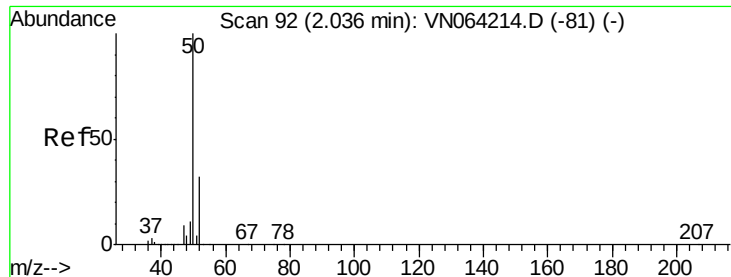
100000

50000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 52.205 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 168021

Ion Ratio Lower Upper

50 100

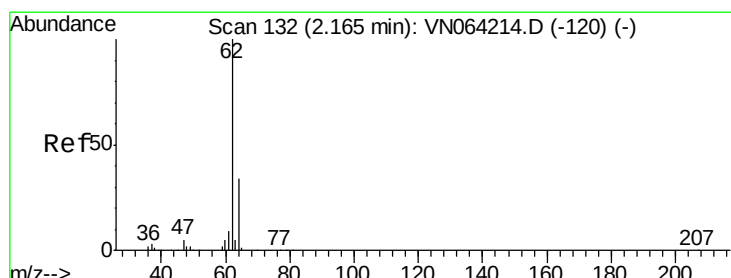
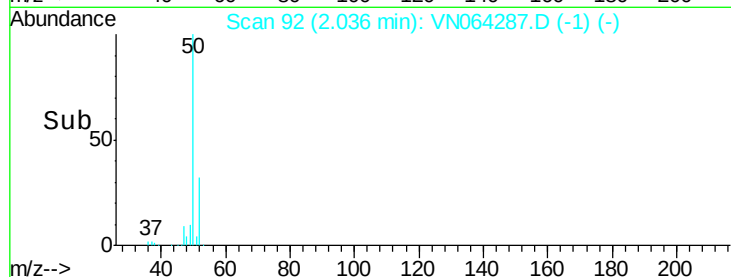
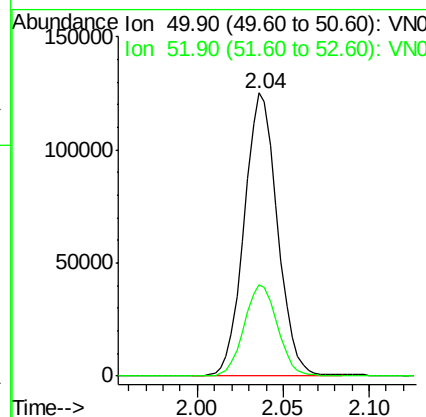
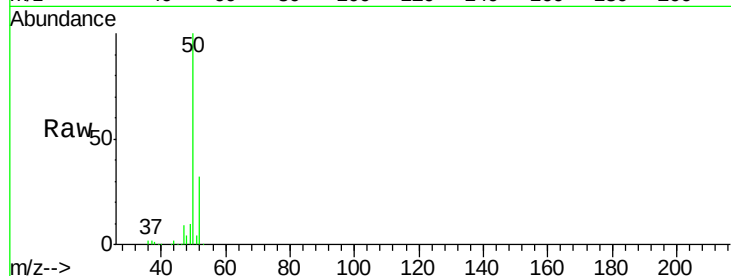
52 32.3 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 52.545 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064287.D

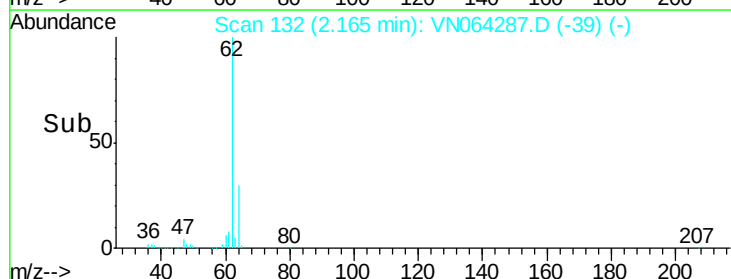
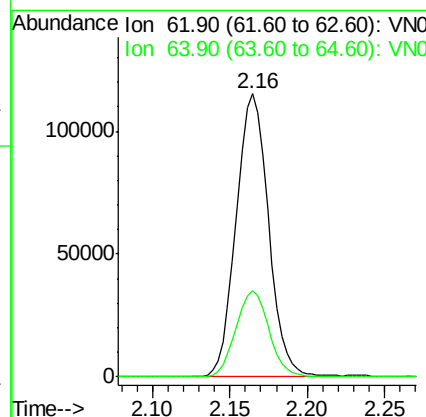
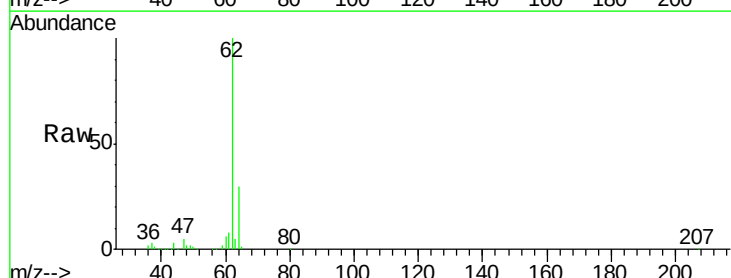
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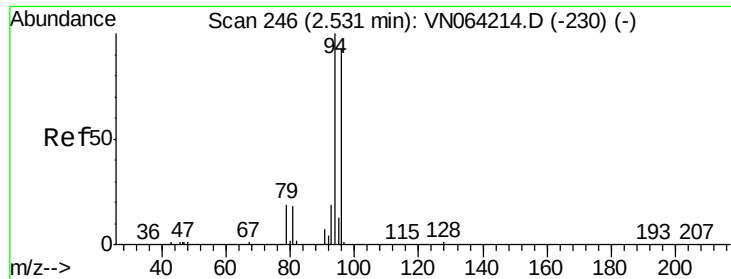
Tgt Ion: 62 Resp: 167666

Ion Ratio Lower Upper

62 100

64 30.3 26.8 40.2





#5

Bromomethane

Concen: 49.539 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 103036

Ion Ratio Lower Upper

94 100

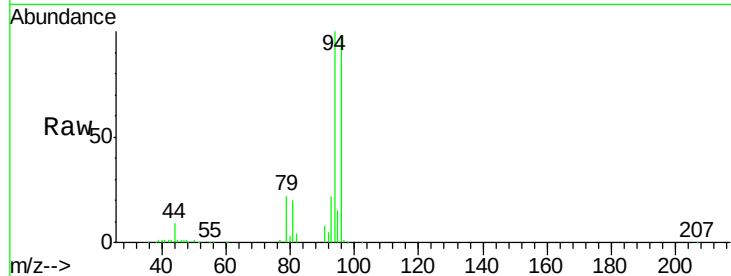
96 97.5 74.2 111.4

Manual Integrations

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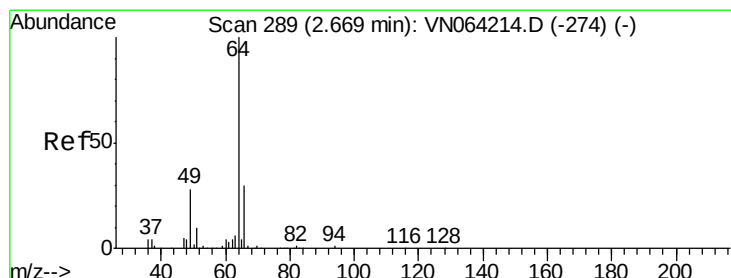
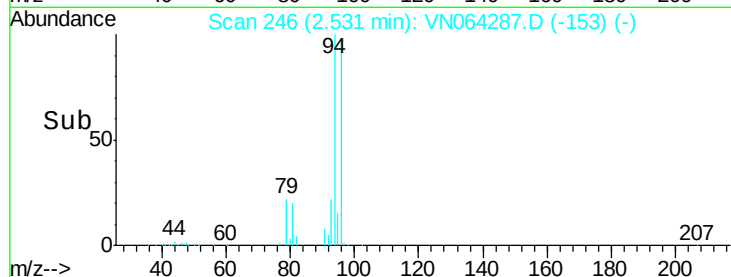
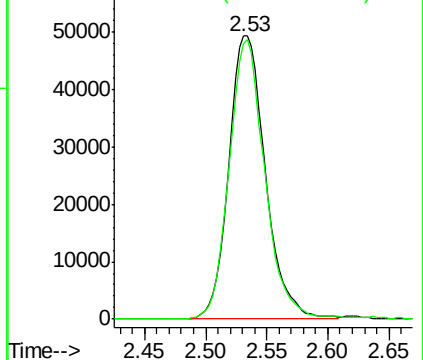
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 49.692 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064287.D

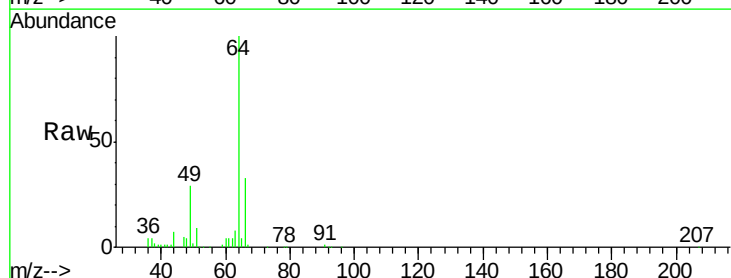
Acq: 23 Oct 2020 15:32

Tgt Ion: 64 Resp: 96525

Ion Ratio Lower Upper

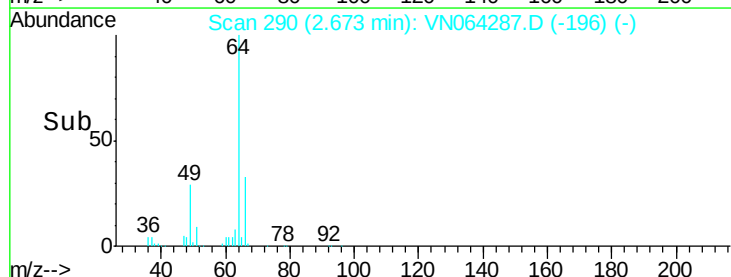
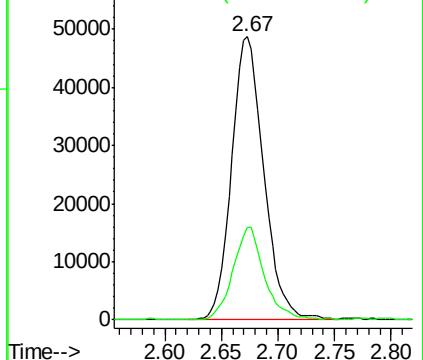
64 100

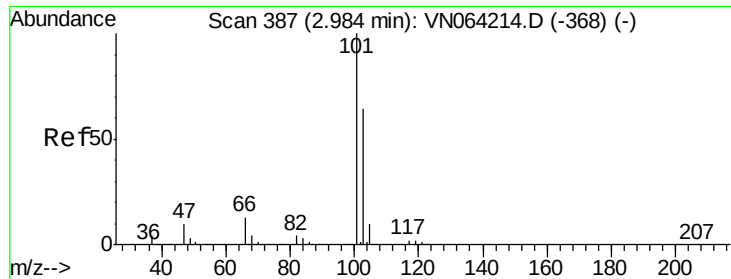
66 32.6 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

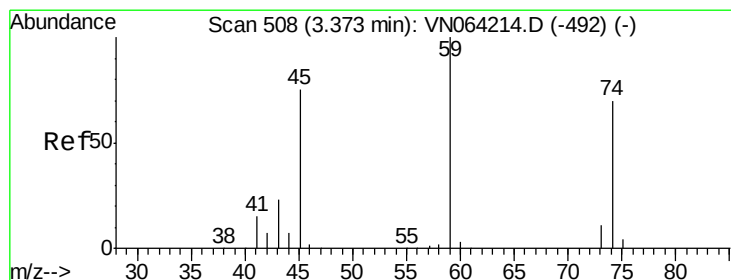
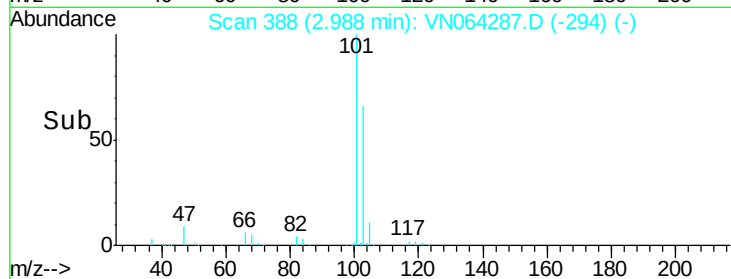
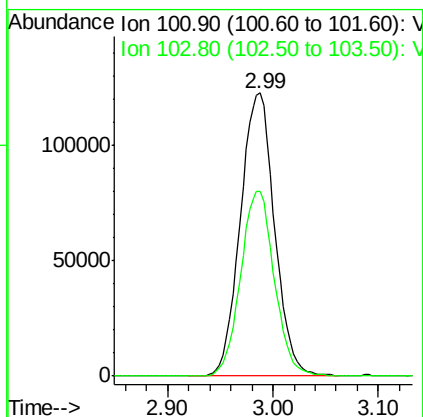
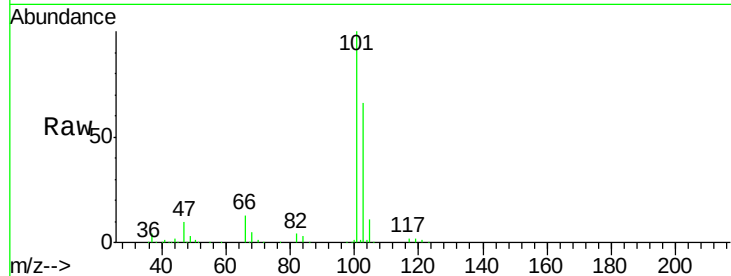
Trichlorofluoromethane
 Concen: 52.781 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064287.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.0	76.6

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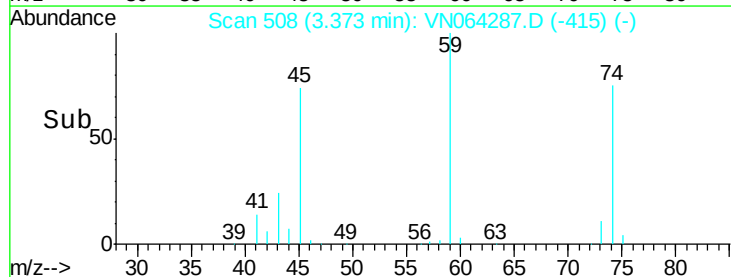
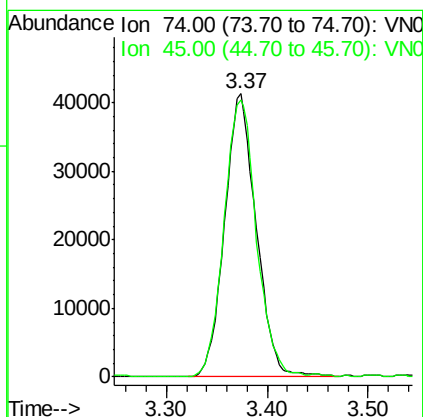
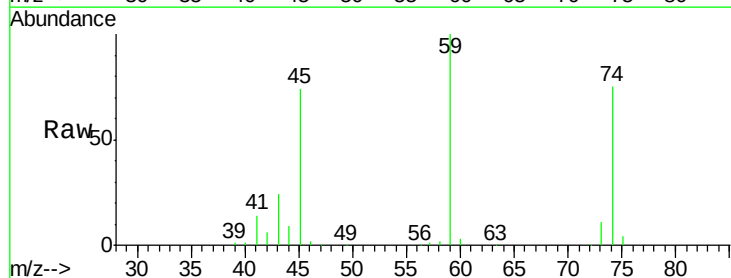
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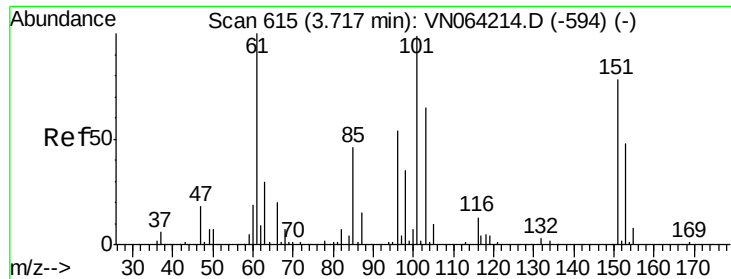


#8

Diethyl Ether
 Concen: 51.925 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.6	51.3	154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.702 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064287.D

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Instrument :

MSVOA_N

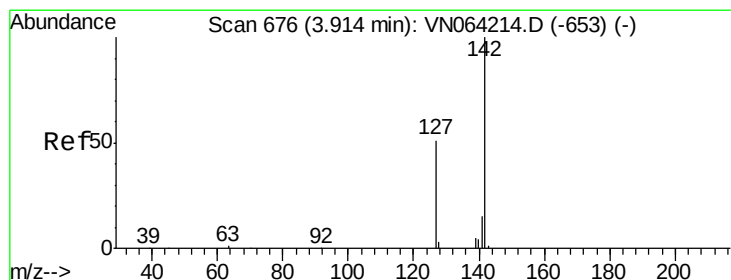
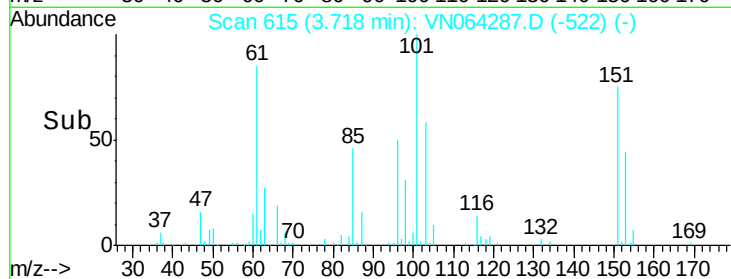
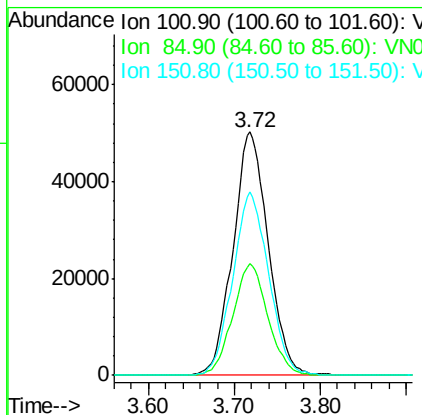
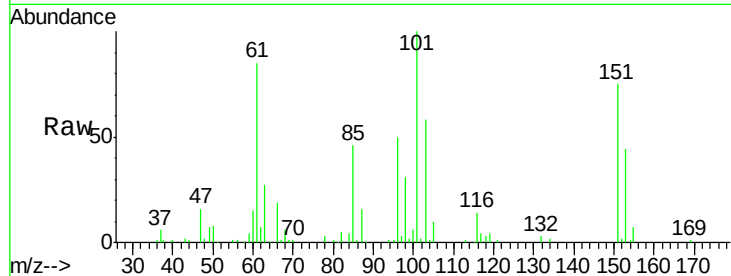
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	143005
Ion Ratio	Lower	Upper	
101	100		
85	45.6	37.8	56.8
151	76.7	61.4	92.2

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#10

Methyl Iodide

Concen: 49.286 ug/l

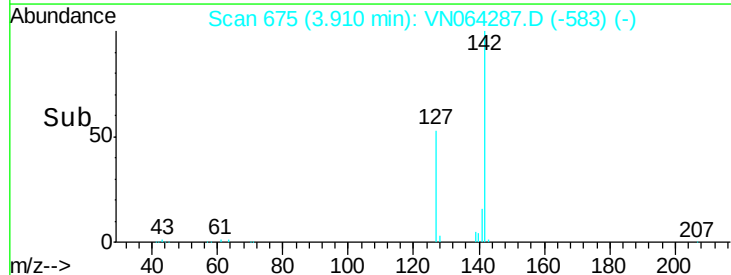
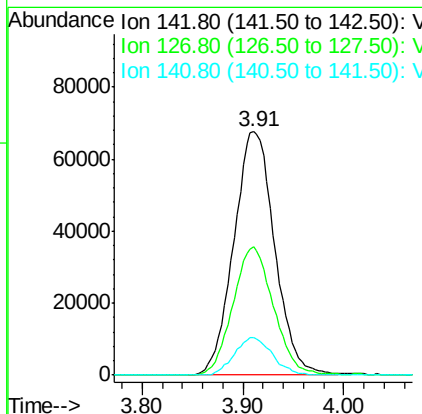
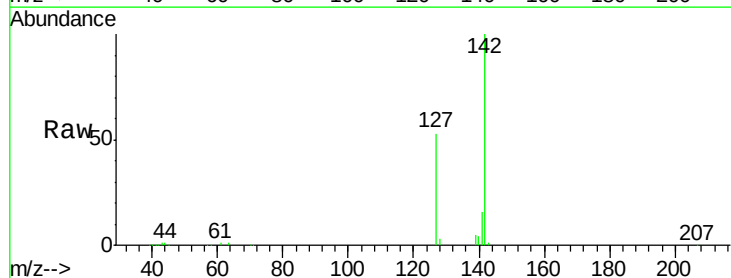
RT: 3.91 min Scan# 675

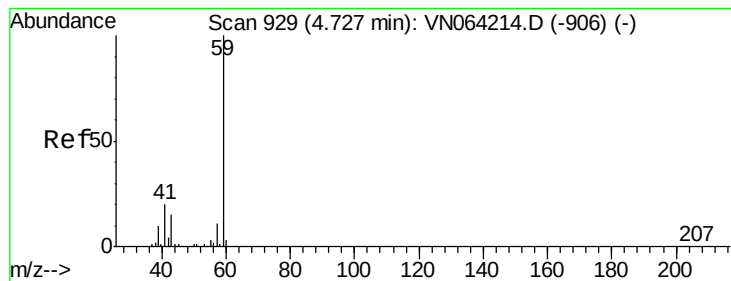
Delta R.T. -0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Tgt Ion:	142	Resp:	190176
Ion Ratio	Lower	Upper	
142	100		
127	52.4	41.0	61.6
141	14.4	11.3	16.9





#11

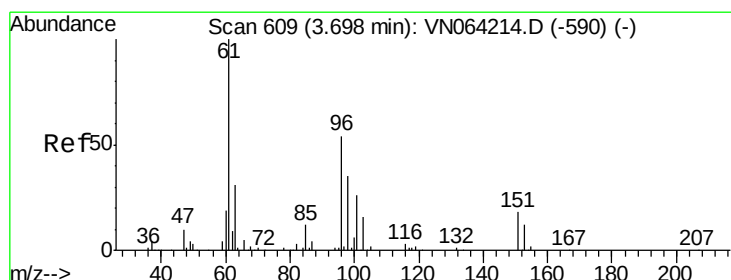
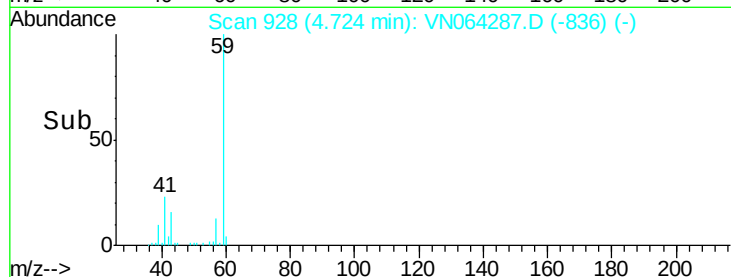
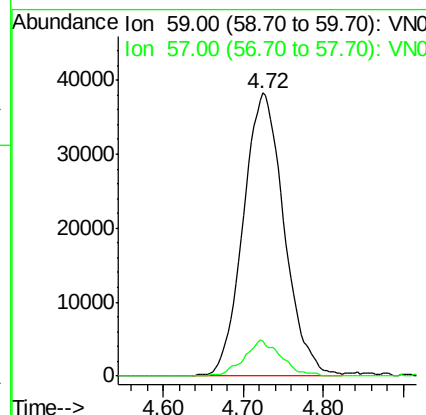
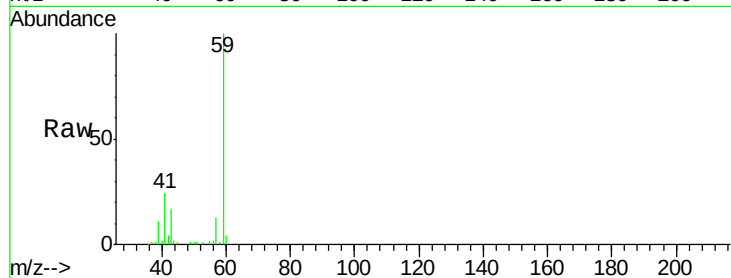
Tert butyl alcohol
Concen: 240.720 ug/l
RT: 4.72 min Scan# 928
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	9.2	13.8

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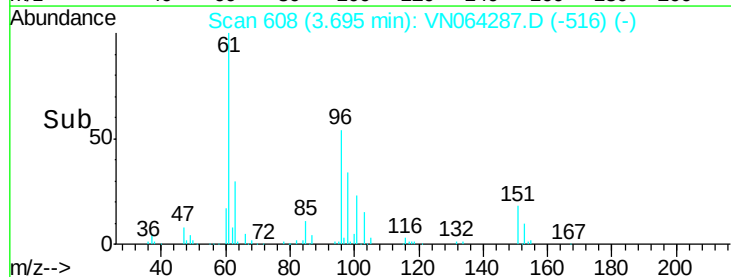
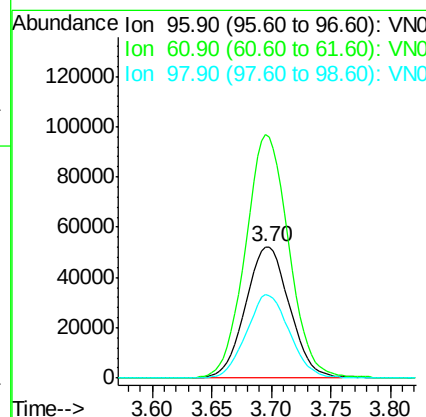
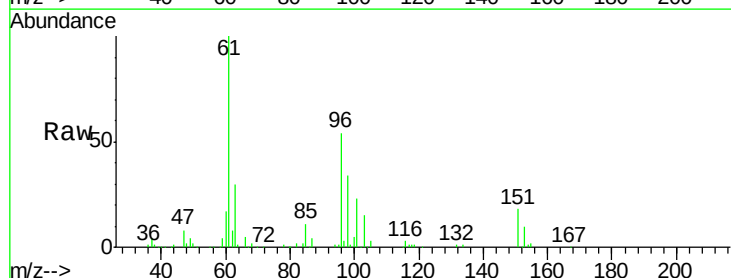
MMDadoda
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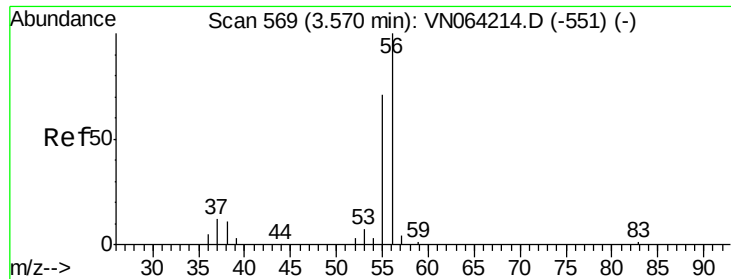


#12

1,1-Dichloroethene
Concen: 51.523 ug/l
RT: 3.70 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.1	147.0	220.4
98	63.6	51.7	77.5





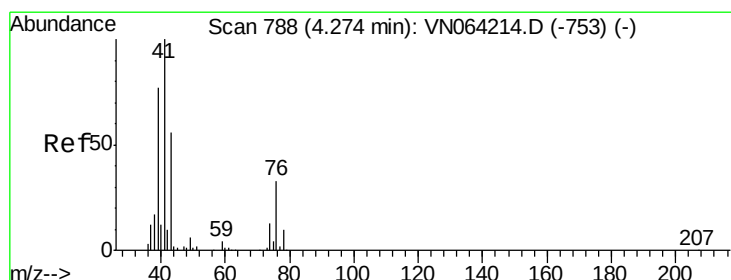
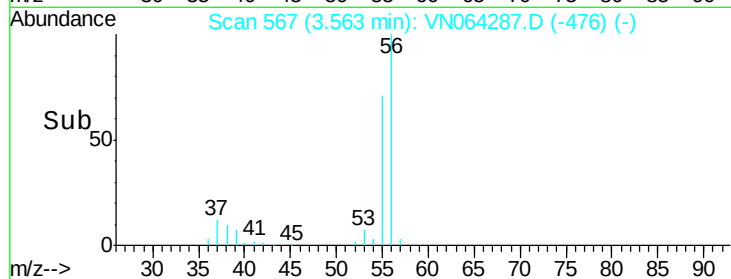
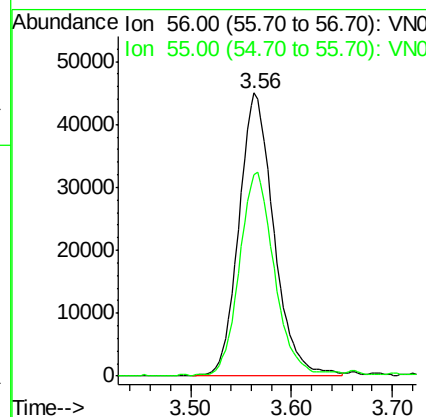
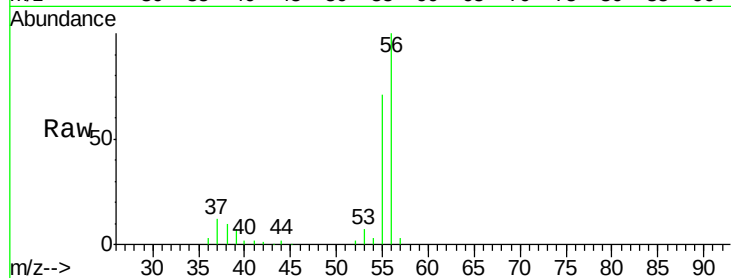
#13
Acrolein
Concen: 310.955 ug/l
RT: 3.56 min Scan# 567
Delta R.T. -0.01 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.5	56.1	84.1

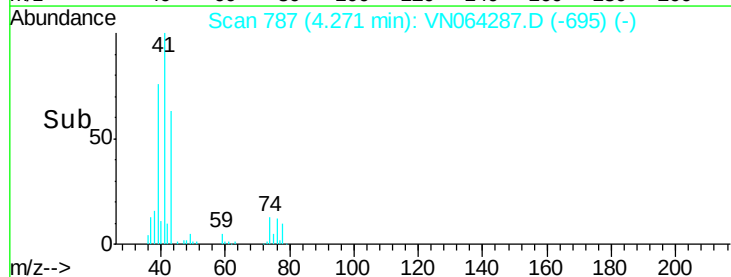
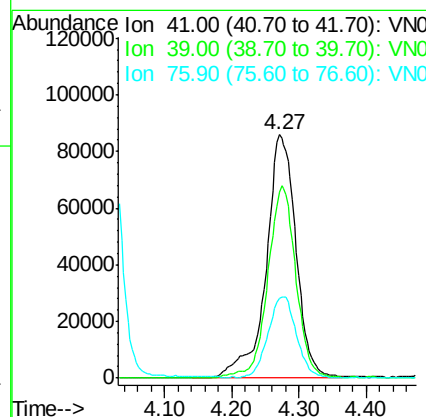
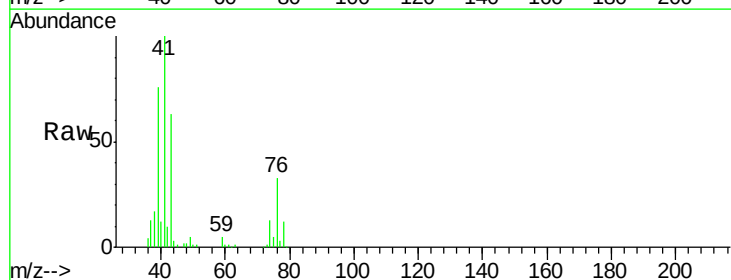
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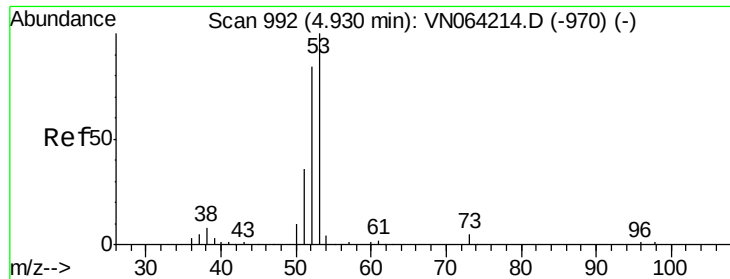
MMDadoda
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#14
Allyl chloride
Concen: 50.871 ug/l
RT: 4.27 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	74.1	58.6	88.0
76	76	31.0	24.5	36.7





#15

Acrylonitrile

Concen: 261.218 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

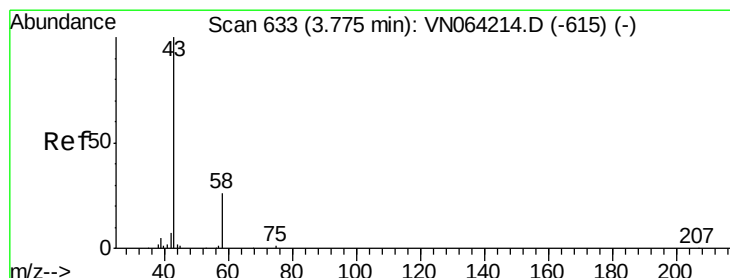
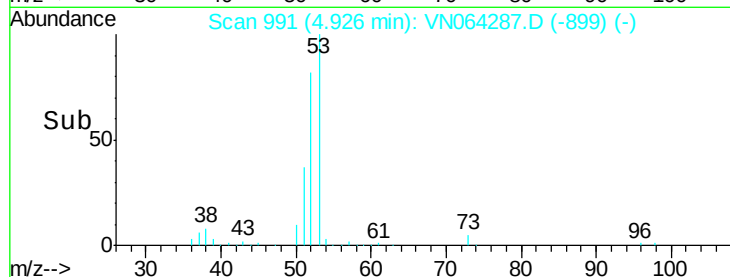
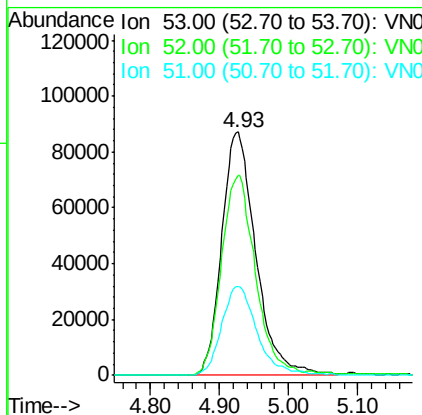
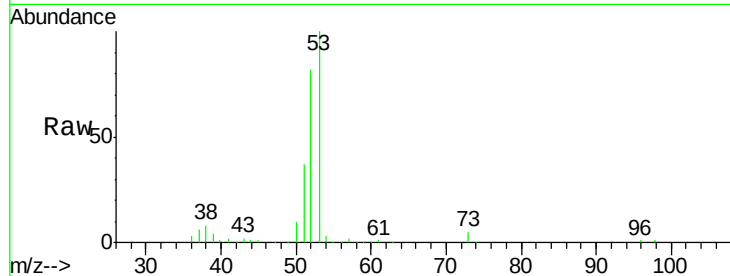
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	299015
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.8	100.2
51	37.8	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 302.213 ug/l

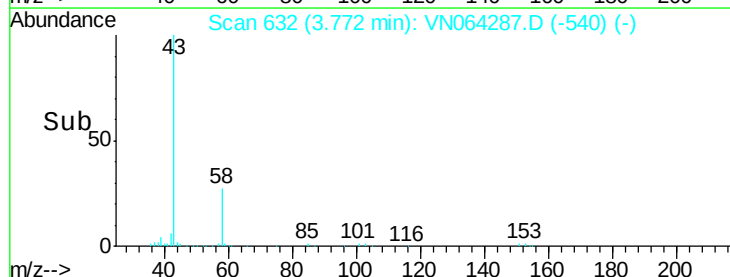
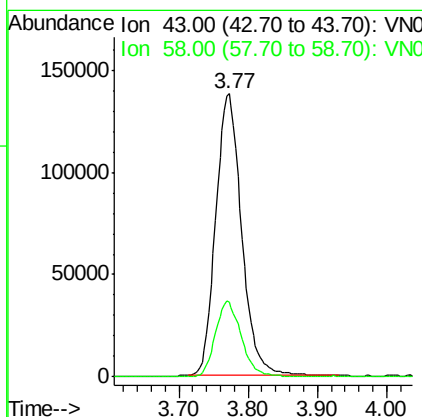
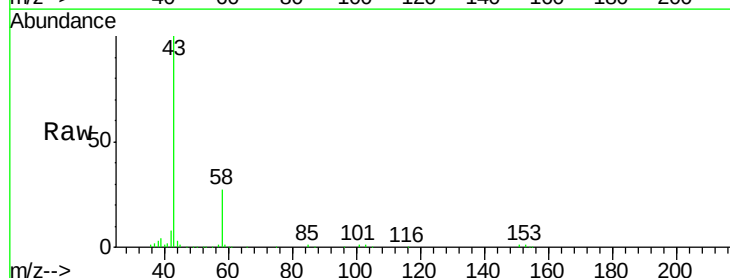
RT: 3.77 min Scan# 632

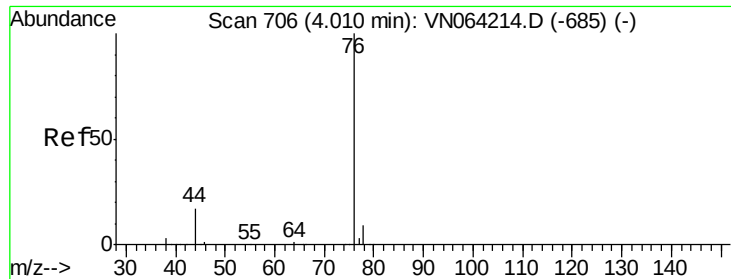
Delta R.T. -0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Tgt Ion:	43	Resp:	357597
Ion	Ratio	Lower	Upper
43	100		
58	26.7	21.0	31.4





#17

Carbon Disulfide

Concen: 50.307 ug/l

RT: 4.01 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 374518

Ion Ratio Lower Upper

76 100

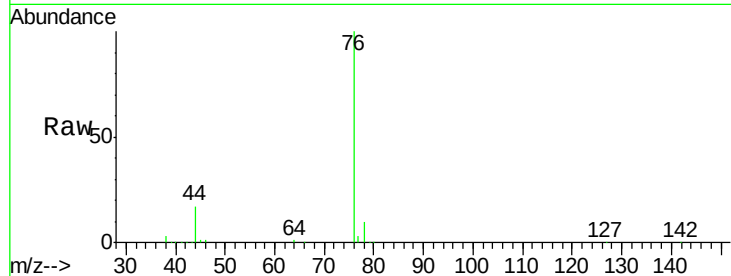
78 10.2 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

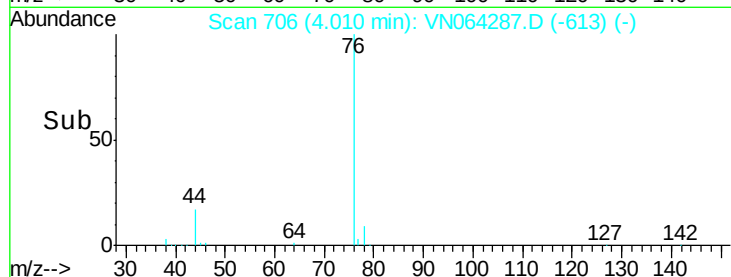
150000

100000

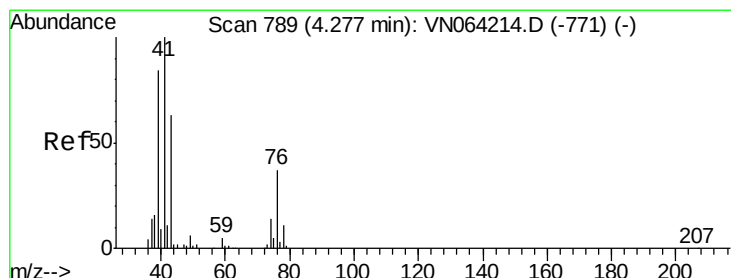
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 53.420 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064287.D

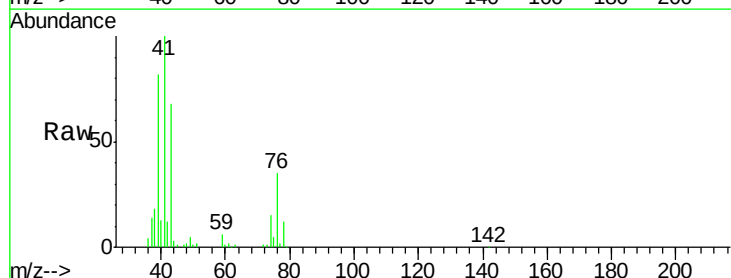
Acq: 23 Oct 2020 15:32

Tgt Ion: 43 Resp: 161071

Ion Ratio Lower Upper

43 100

74 20.4 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

50000

40000

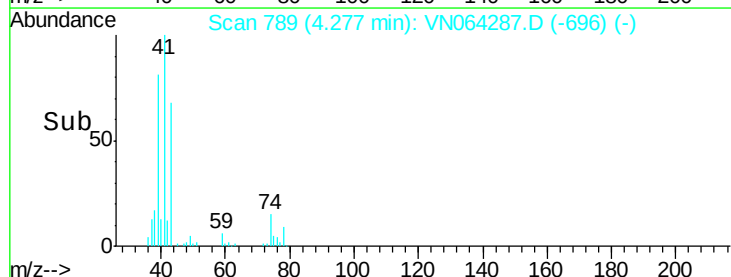
30000

20000

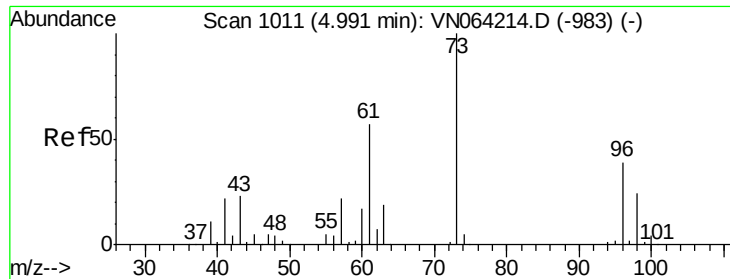
10000

0

Time-->



Time-->



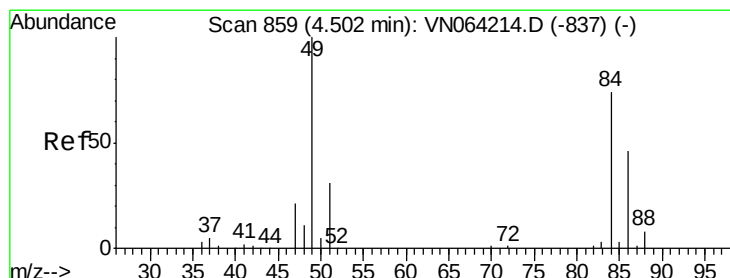
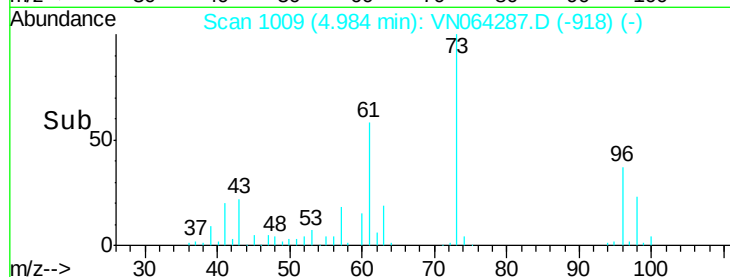
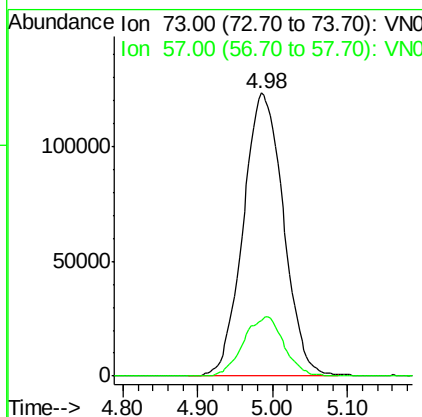
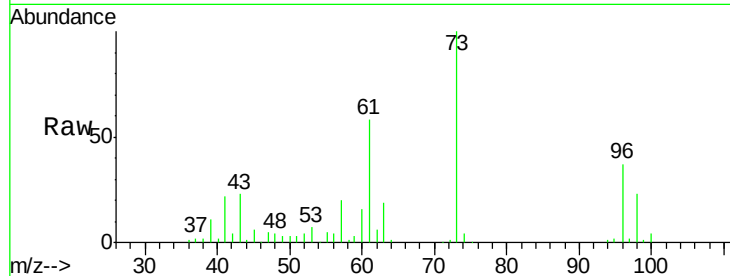
#19
Methyl tert-butyl Ether
Concen: 51.486 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 461965
Ion Ratio Lower Upper
73 100
57 19.7 18.0 27.0

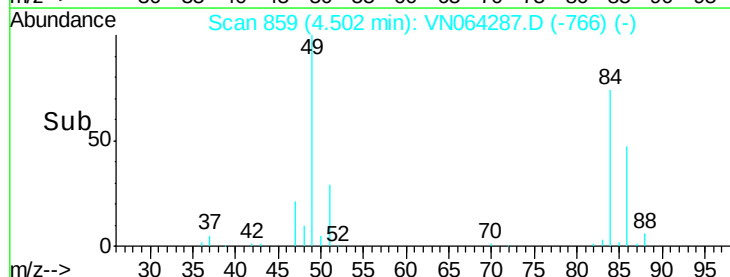
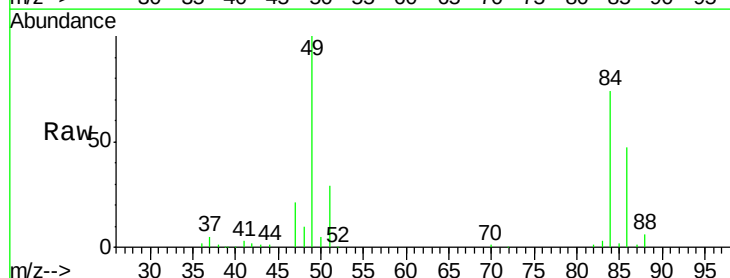
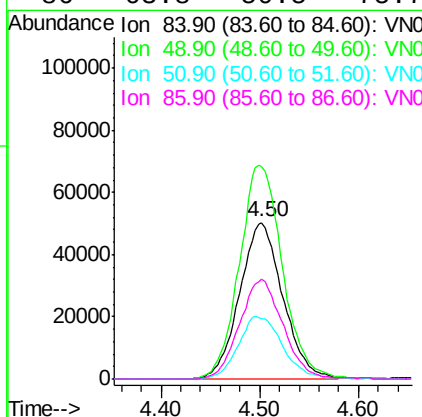
Manual Integrations
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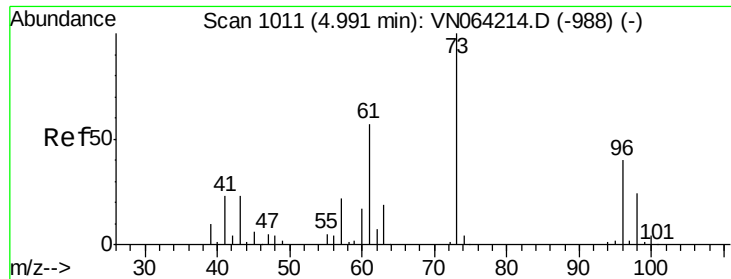
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#20
Methylene Chloride
Concen: 48.284 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion: 84 Resp: 152347
Ion Ratio Lower Upper
84 100
49 135.3 108.5 162.7
51 38.7 33.8 50.8
86 63.8 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 51.213 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 147388

Ion Ratio Lower Upper

96 100

61 155.1 115.8 173.6

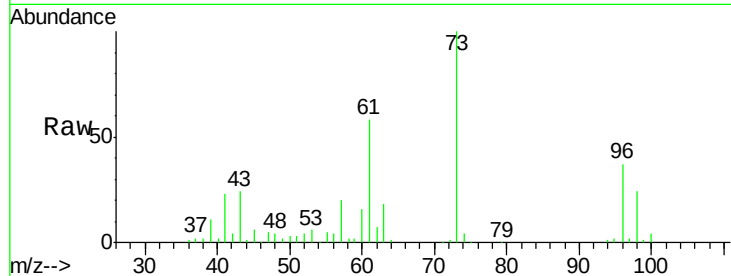
98 63.8 49.4 74.0

Manual Integrations

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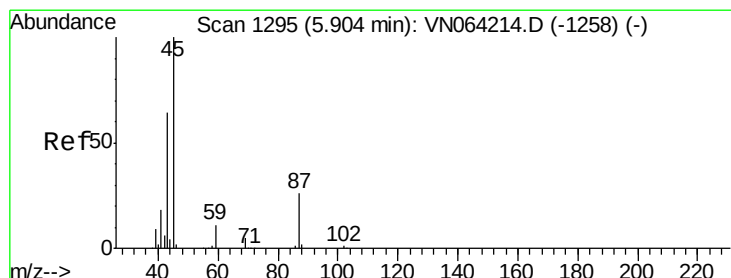
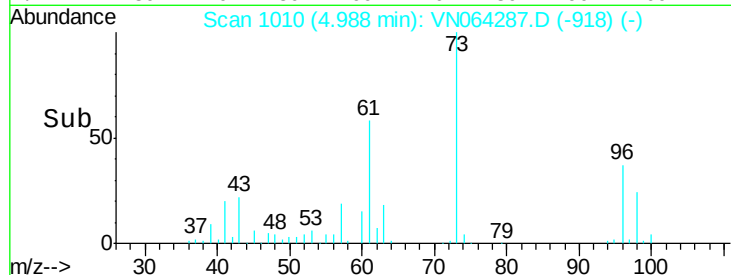
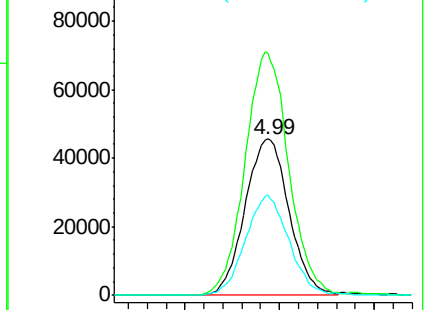
10/26/2020 1:38:57 PM



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: 50.156 ug/l

RT: 5.90 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Tgt Ion: 45 Resp: 487035

Ion Ratio Lower Upper

45 100

43 67.1 52.2 78.4

87 26.6 21.4 32.0

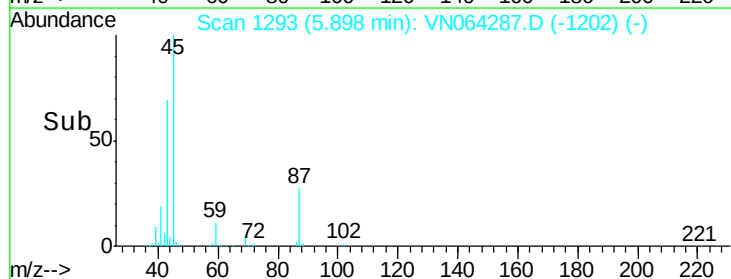
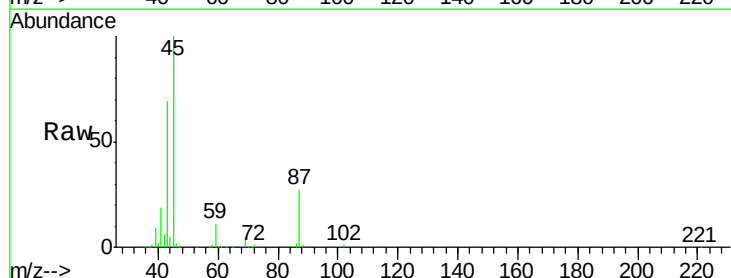
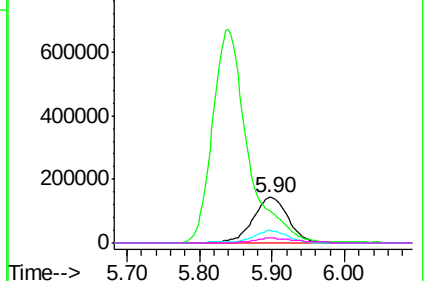
59 11.1 8.3 12.5

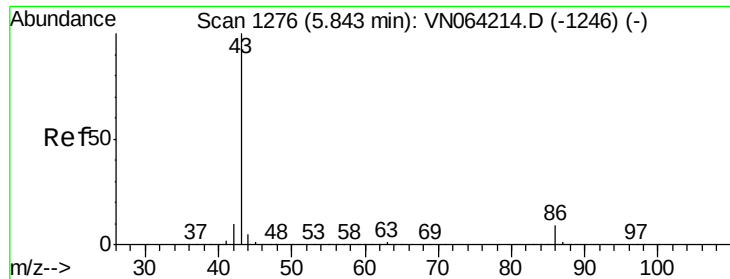
Abundance Ion 45.00 (44.70 to 45.70): VN0

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





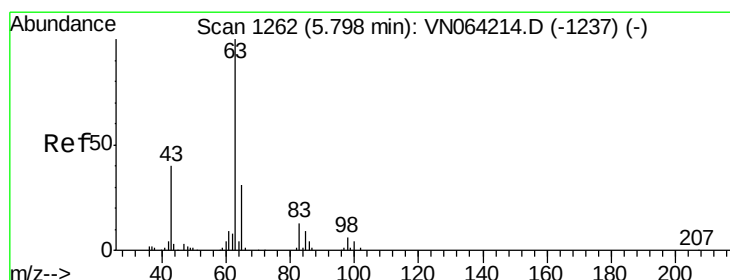
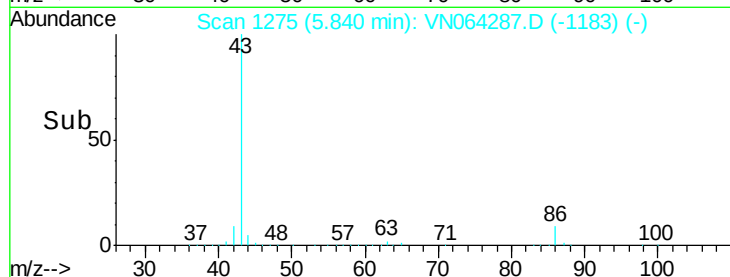
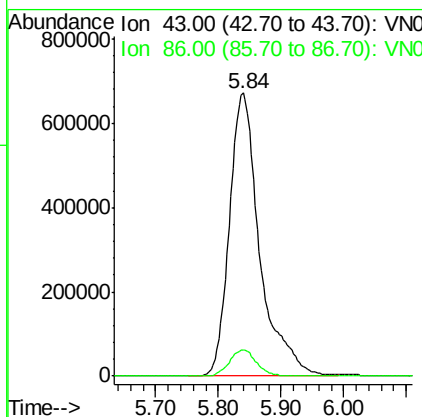
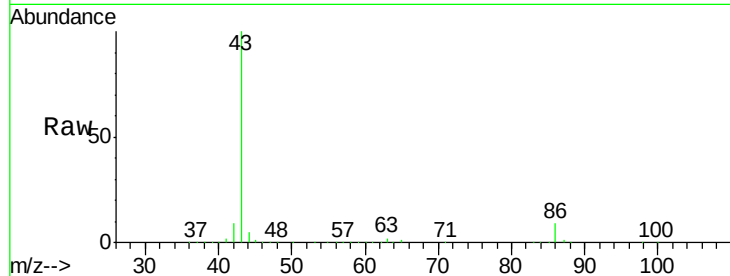
#23
 Vinyl Acetate
 Concen: 260.694 ug/l
 RT: 5.84 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2257551
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.4 11.0

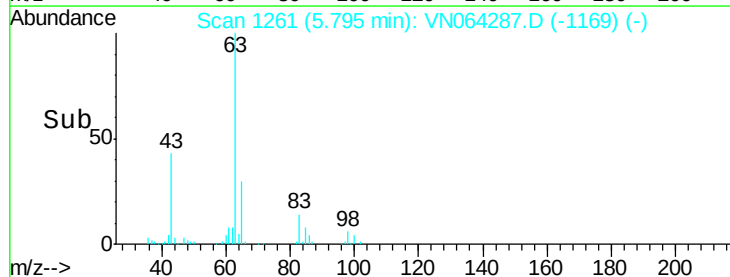
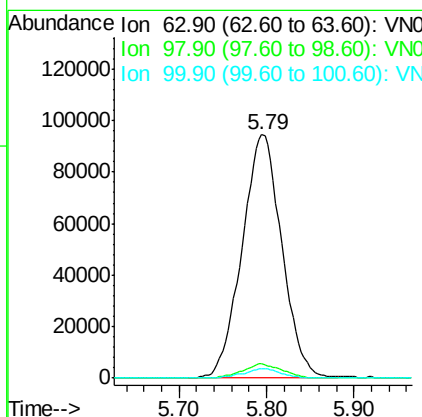
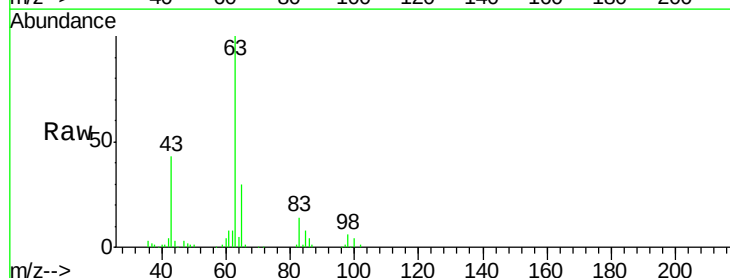
Manual Integrations
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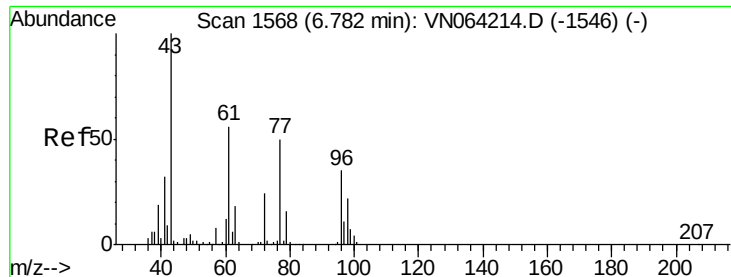
MMDadoda
 10/26/2020 1:38:57 PM



#24
 1,1-Dichloroethane
 Concen: 52.988 ug/l
 RT: 5.79 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Tgt Ion: 63 Resp: 298075
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.7
 100 3.8 2.0 6.0





#25

2-Butanone

Concen: 271.375 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 510165

Ion Ratio Lower Upper

43 100

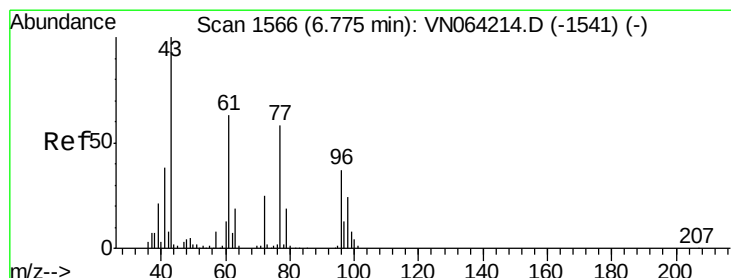
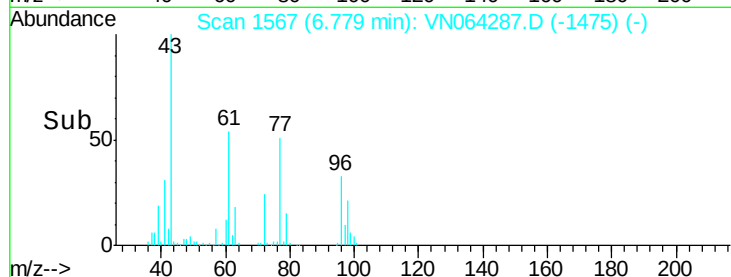
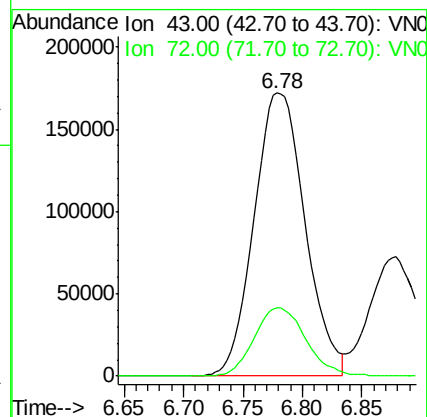
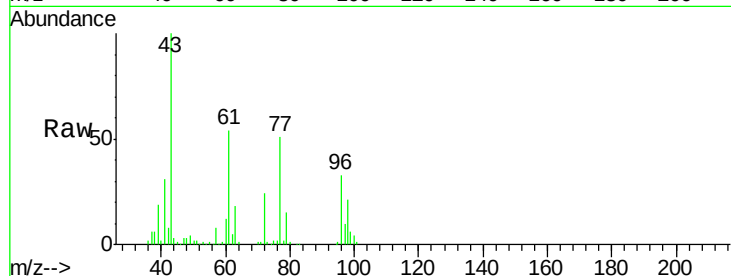
72 24.1 19.4 29.0

Manual Integrations

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10/26/2020 1:38:57 PM



#26

2,2-Dichloropropane

Concen: 50.751 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN064287.D

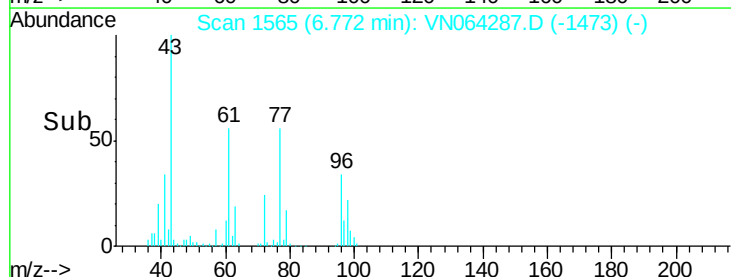
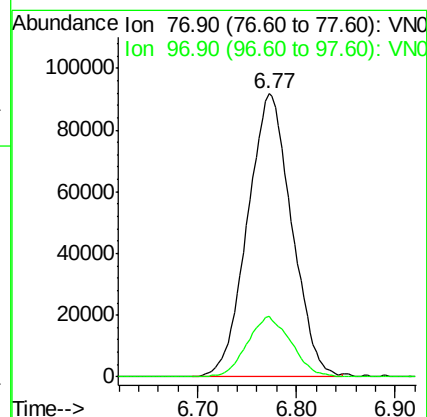
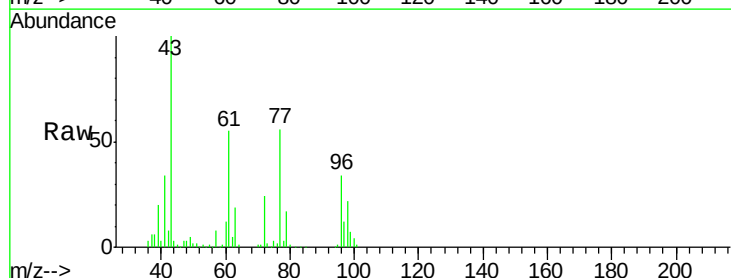
Acq: 23 Oct 2020 15:32

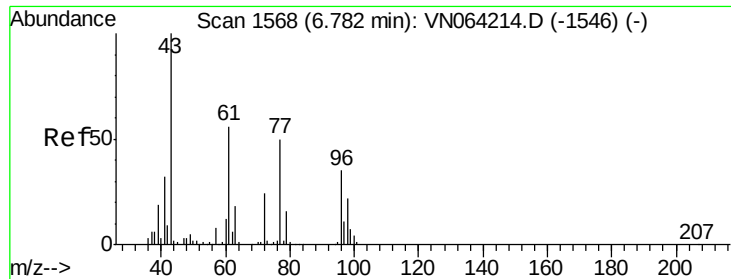
Tgt Ion: 77 Resp: 284218

Ion Ratio Lower Upper

77 100

97 21.2 10.4 31.4





#27

cis-1,2-Dichloroethene

Concen: 50.816 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

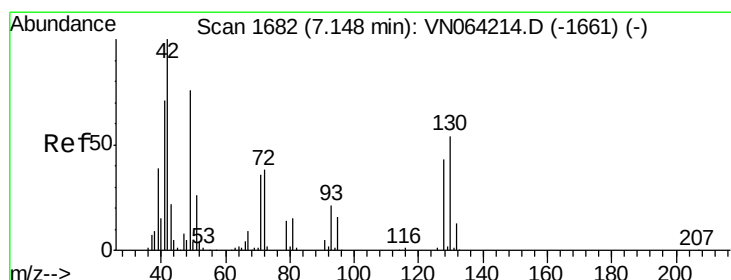
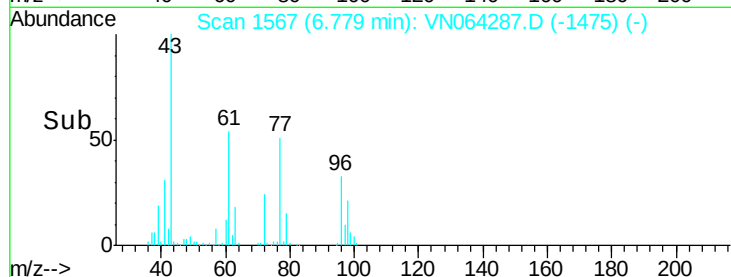
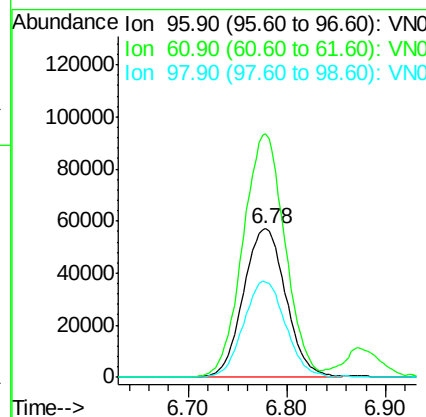
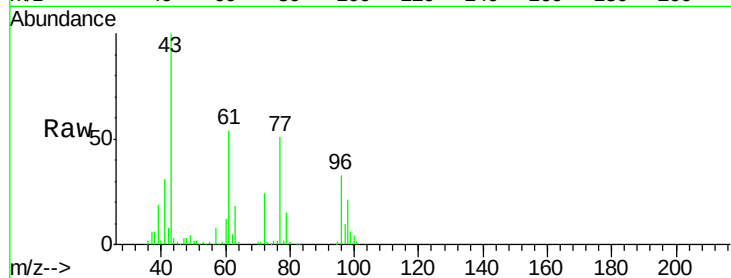
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	170312
Ion	Ratio	Lower	Upper
96	100		
61	162.1	0.0	330.0
98	64.0	0.0	130.6

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#28

Bromochloromethane

Concen: 50.622 ug/l

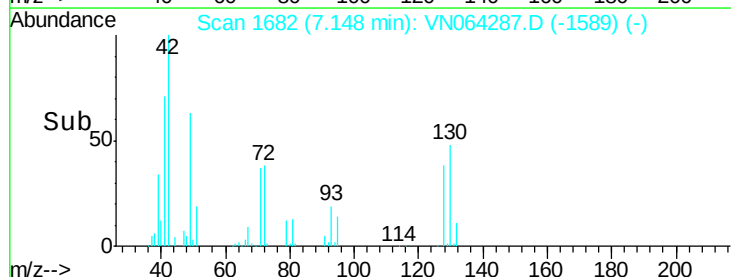
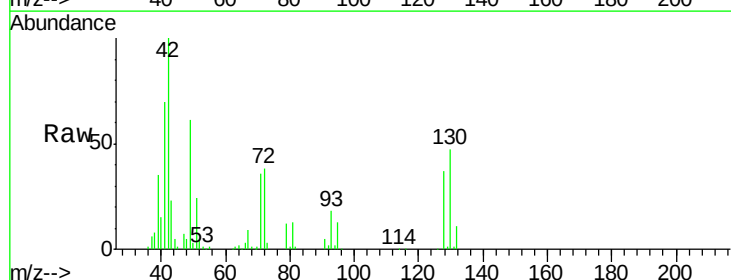
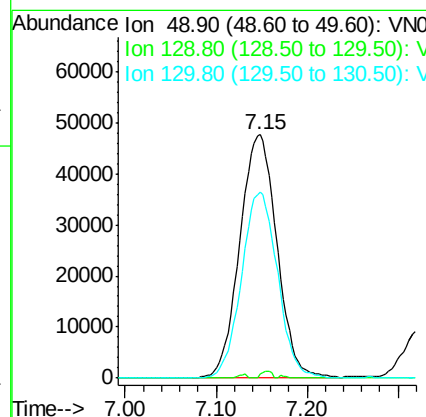
RT: 7.15 min Scan# 1682

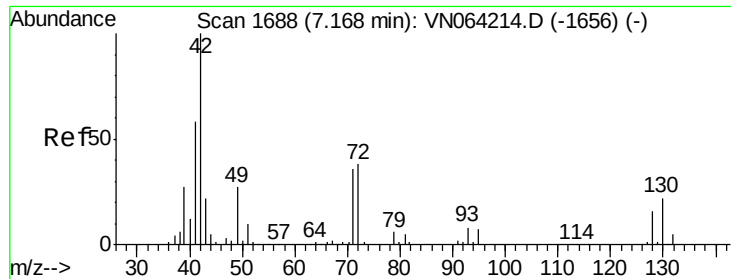
Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Tgt Ion:	49	Resp:	135280
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.8
130	74.1	58.8	88.2





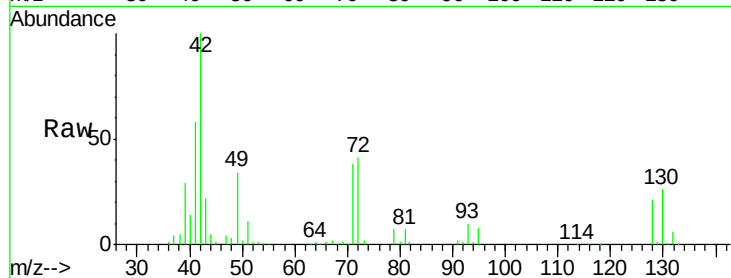
#29
Tetrahydrofuran
Concen: 260.093 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.01 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

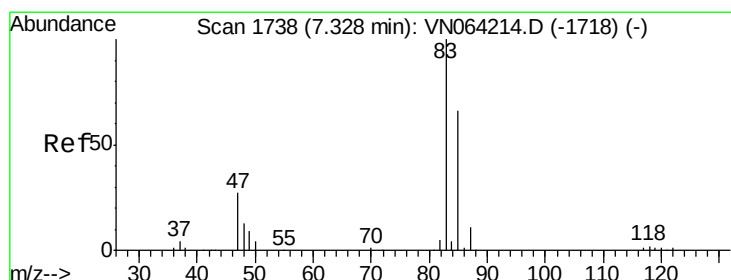
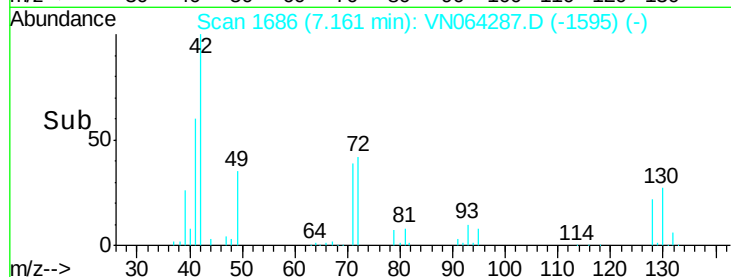
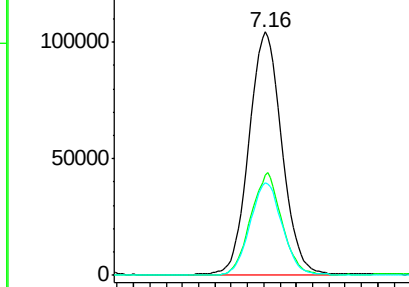
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.7	30.8	46.2
71	37.0	29.0	43.6

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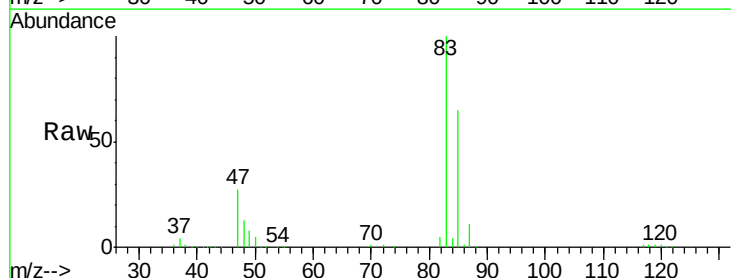


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

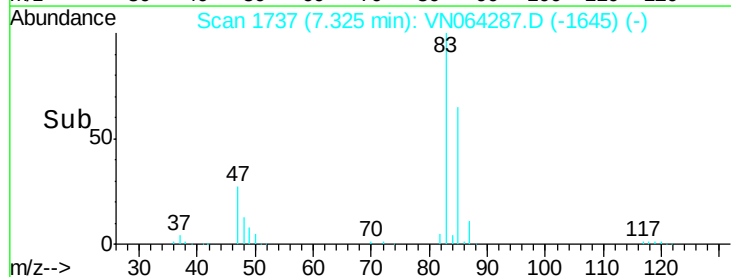
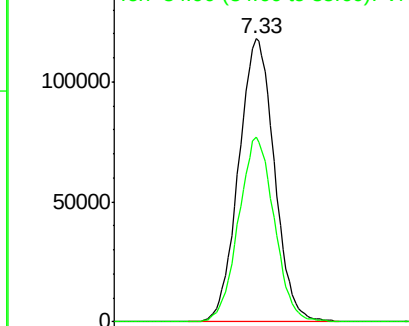


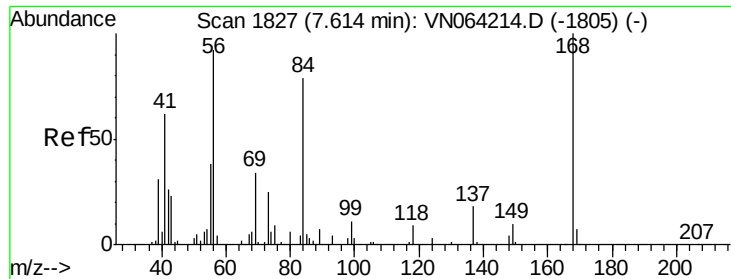
#30
Chloroform
Concen: 51.517 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.5	78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





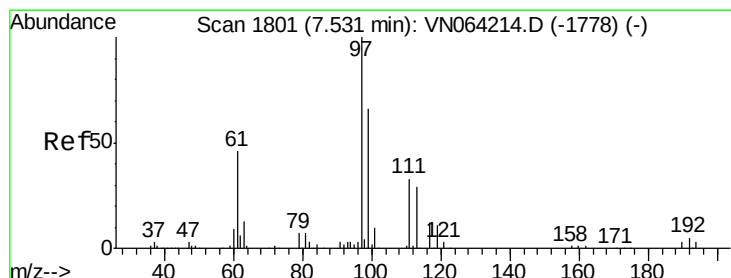
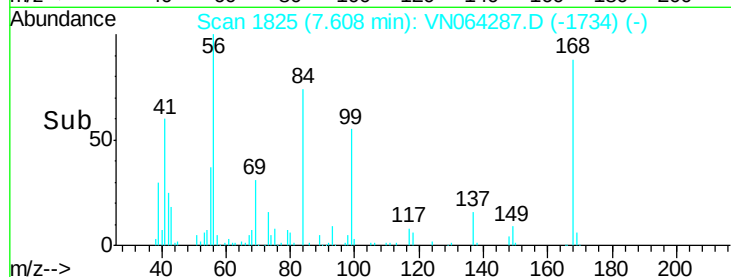
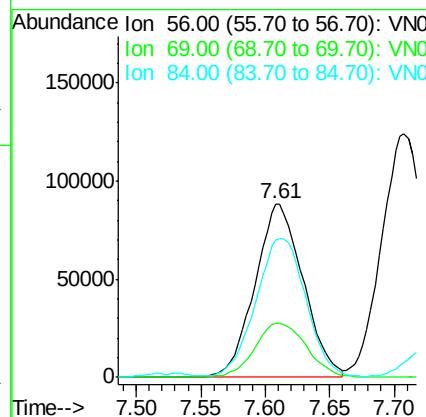
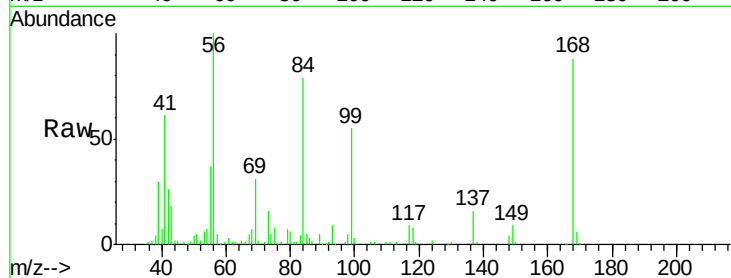
#31
Cyclohexane
Concen: 46.813 ug/l
RT: 7.61 min Scan# 1825
Delta R.T. -0.01 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	229494		
69	31.0		29.8	44.6
84	77.6		68.1	102.1

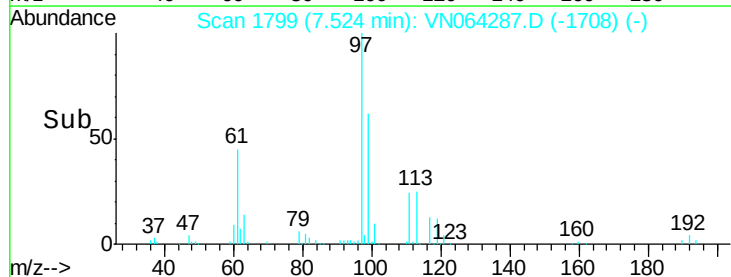
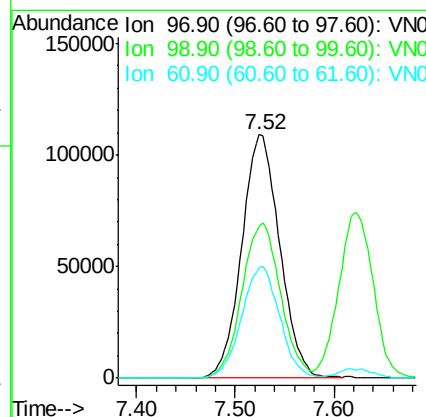
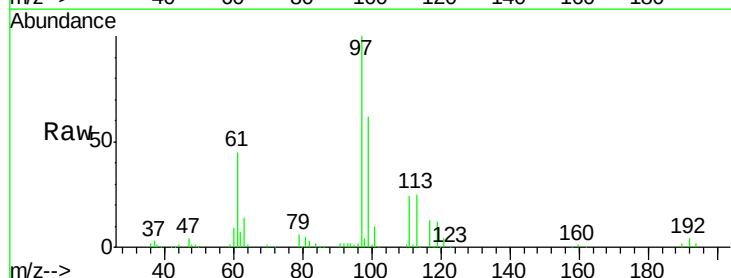
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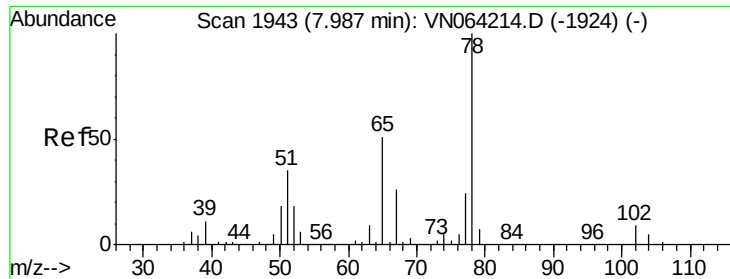
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 51.874 ug/l
RT: 7.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	291592		
99	64.6		51.2	76.8
61	45.7		36.3	54.5





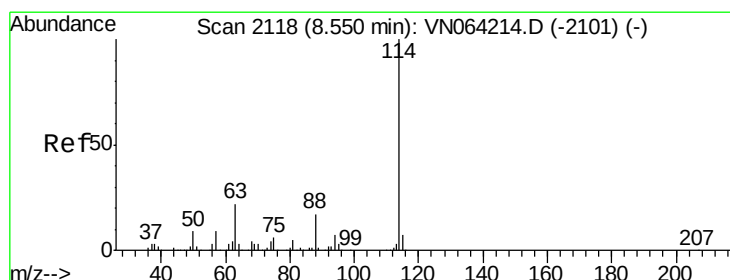
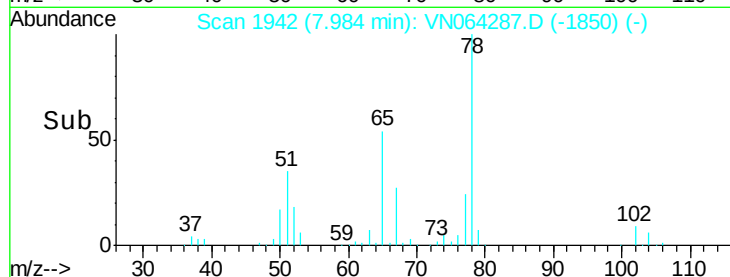
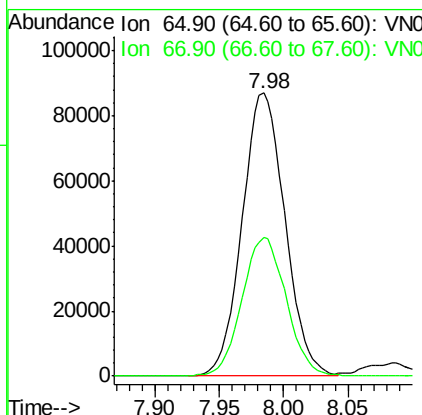
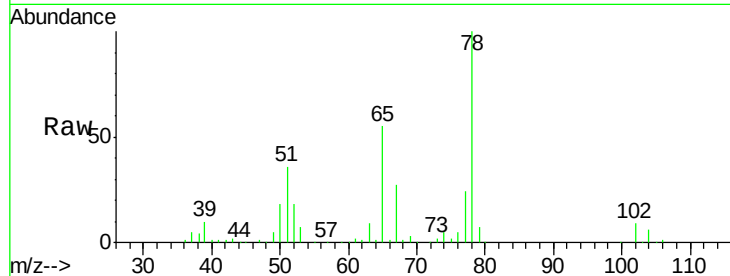
#33
 1,2-Dichloroethane-d4
 Concen: 48.763 ug/l
 RT: 7.98 min Scan# 1942
 Delta R.T. -0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	201658		
67	50.4	0.0	100.2	

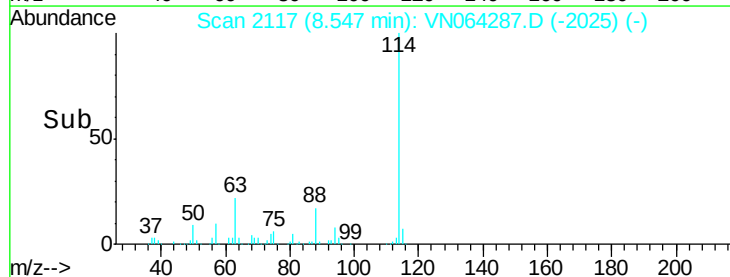
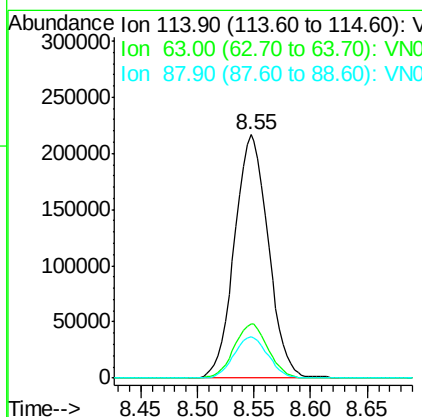
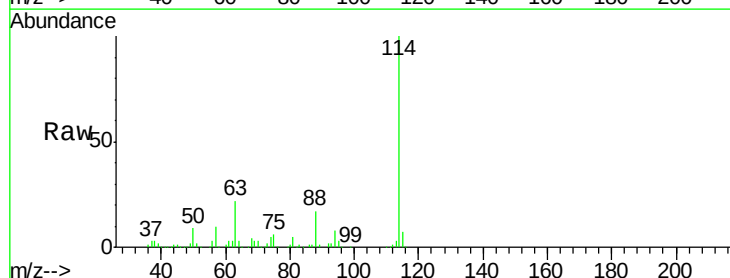
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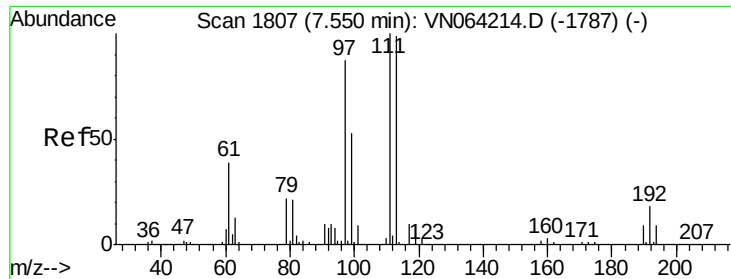
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	451647		
63	22.1	0.0	44.0	
88	17.0	0.0	34.2	





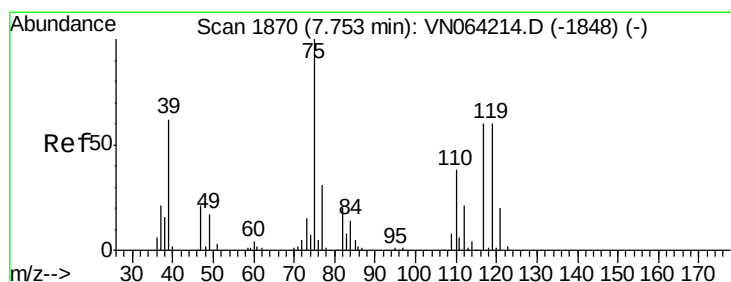
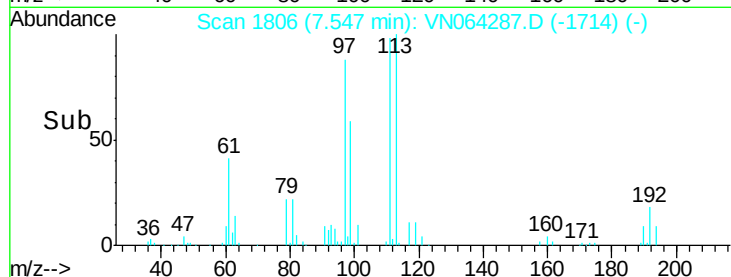
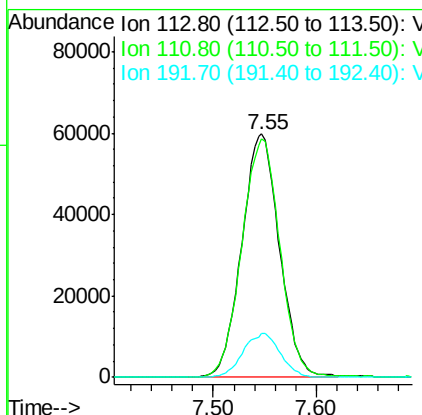
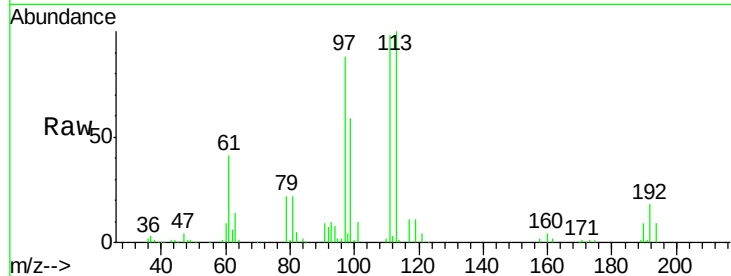
#35
Dibromofluoromethane
Concen: 50.590 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151909		
111	99.4	84.2	126.2	
192	17.9	15.2	22.8	

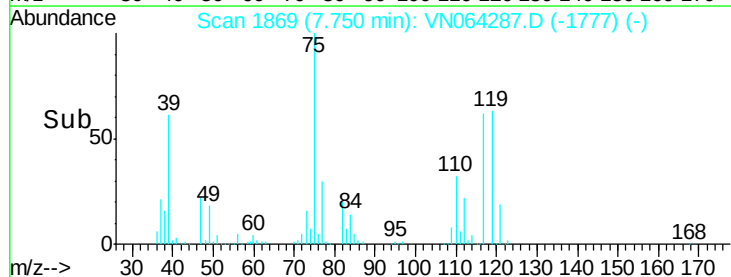
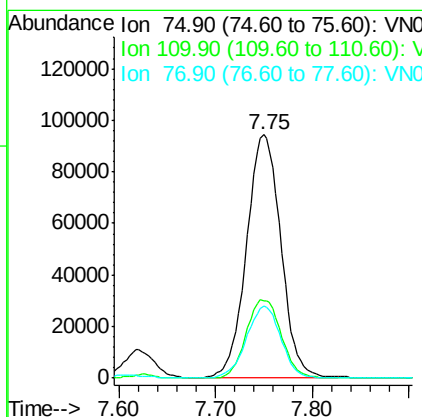
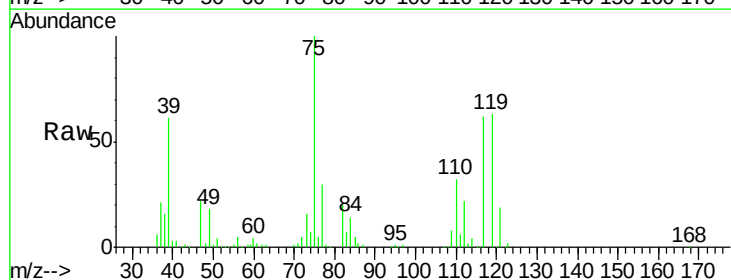
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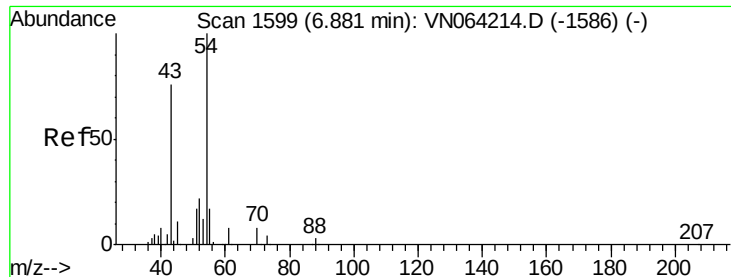
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#36
1,1-Dichloropropene
Concen: 51.470 ug/l
RT: 7.75 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	231753		
110	32.9	17.2	51.6	
77	30.1	24.9	37.3	





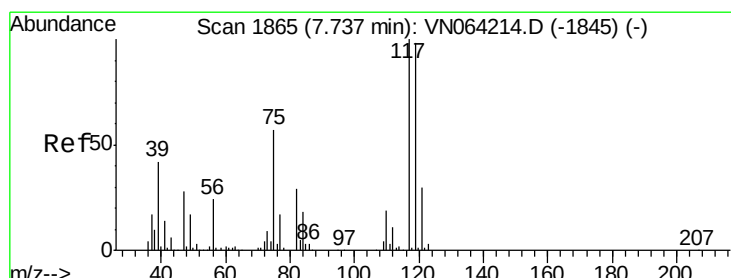
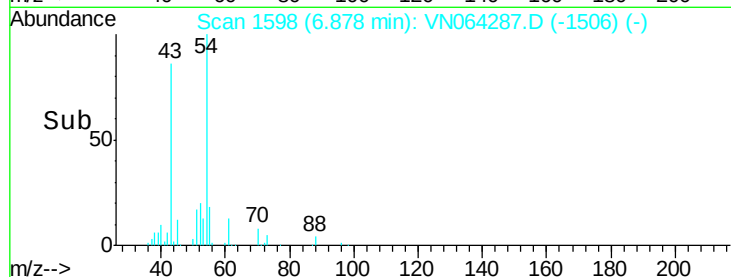
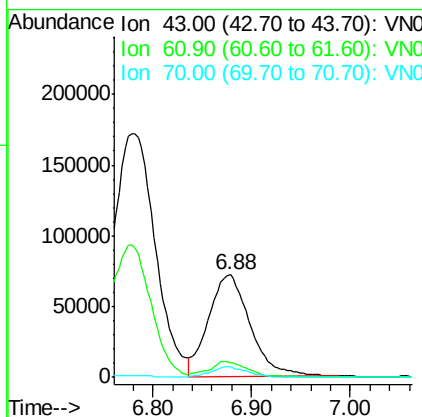
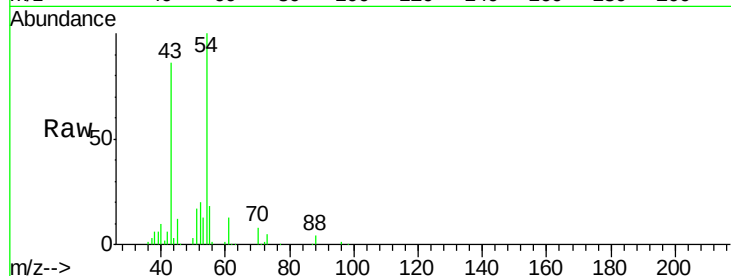
#37
Ethyl Acetate
Concen: 51.963 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.0	15.0
70	9.4	7.5	11.3

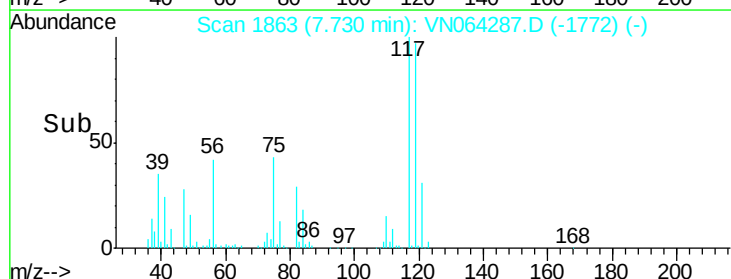
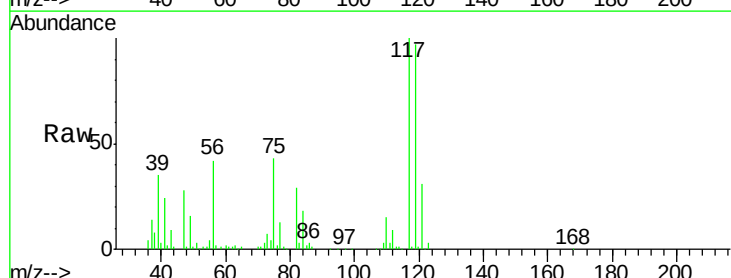
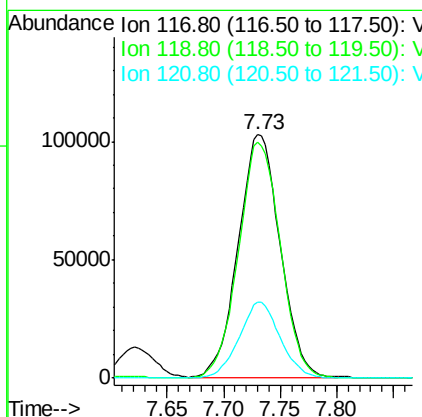
Manual Integrations
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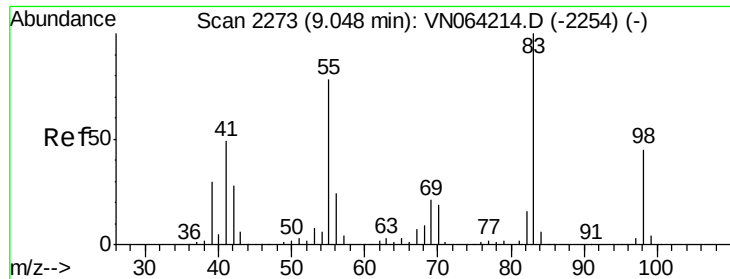
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#38
Carbon Tetrachloride
Concen: 51.425 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	78.5	117.7
121	31.3	24.3	36.5





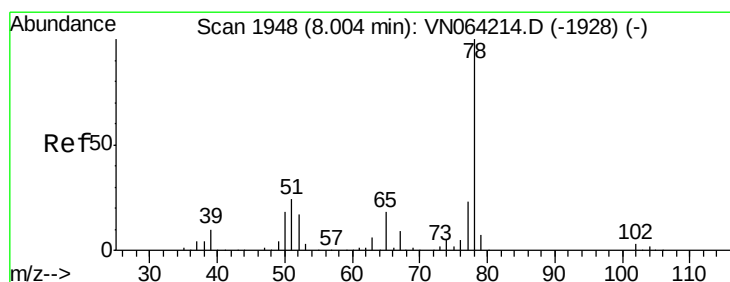
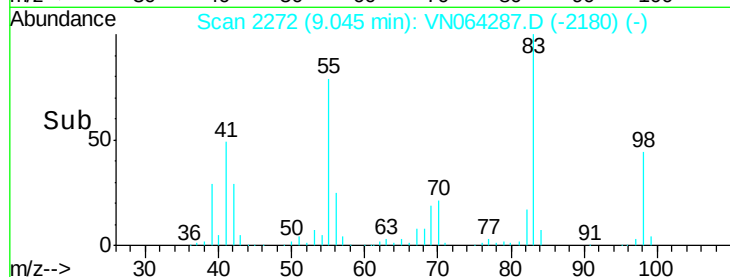
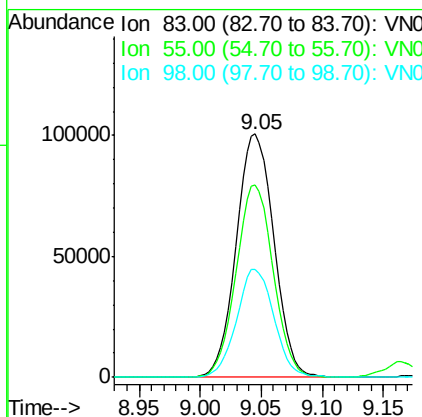
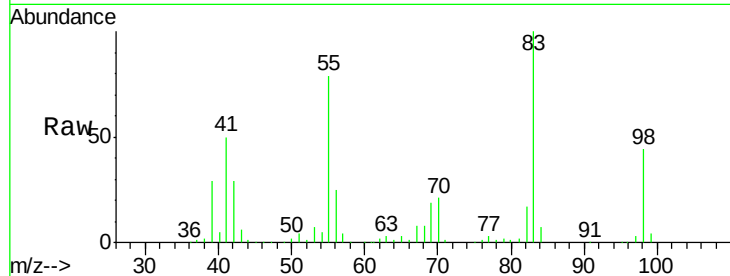
#39
Methylvlcyclohexane
Concen: 52.674 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	62.2	93.2
98	44.2	35.9	53.9

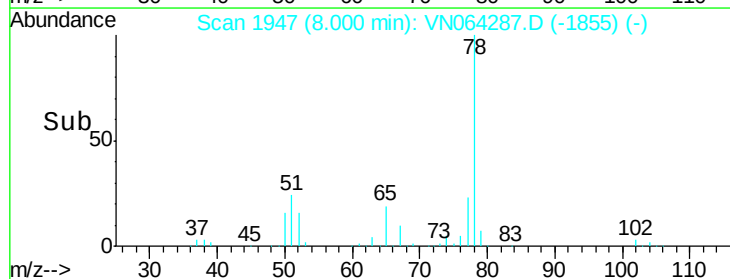
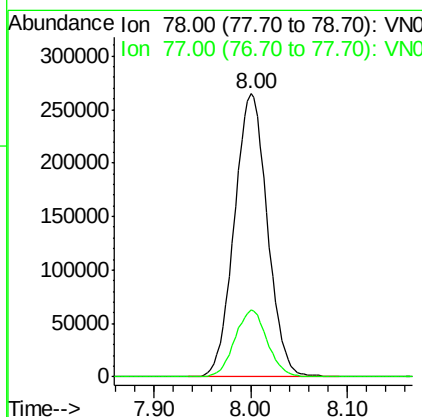
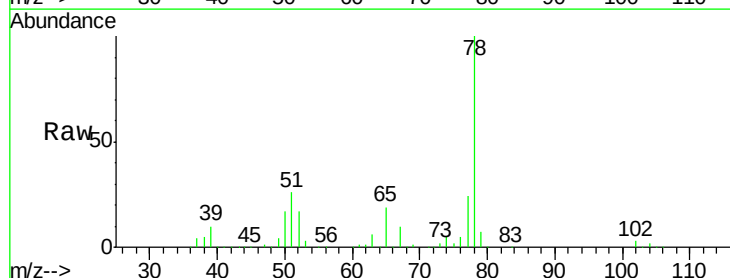
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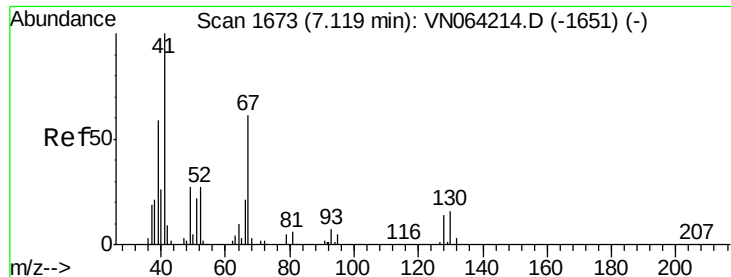
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#40
Benzene
Concen: 50.565 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.3	27.5





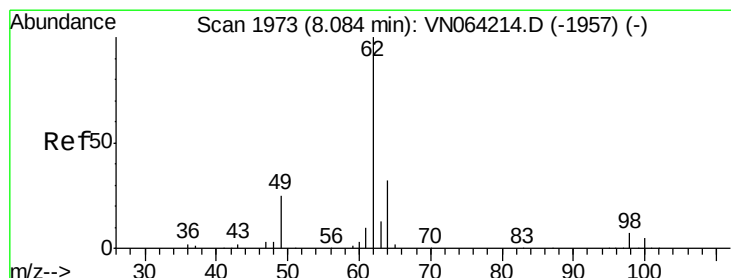
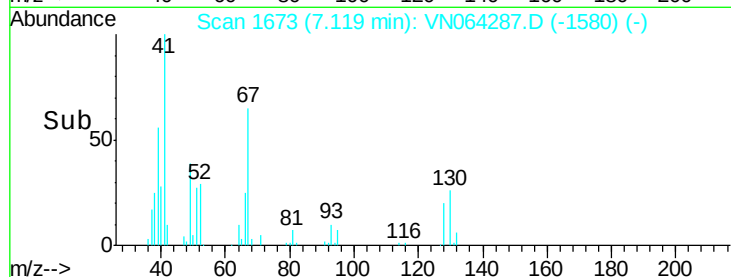
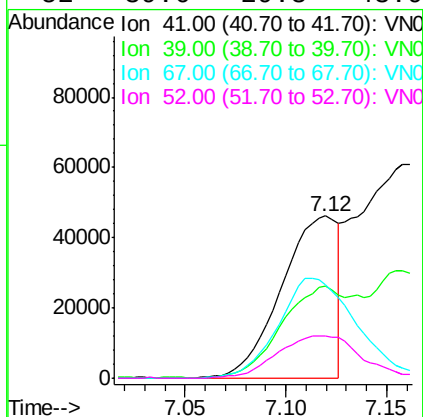
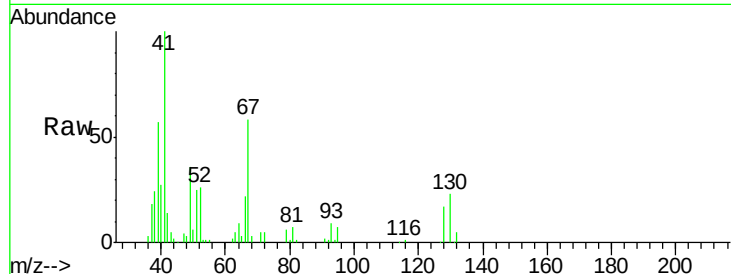
#41
Methacrylonitrile
Concen: 41.769 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.4	50.5	75.7	
67	86.2	63.2	94.8	
52	39.6	29.3	43.9	

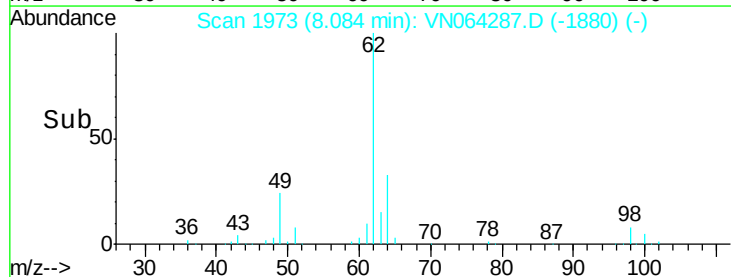
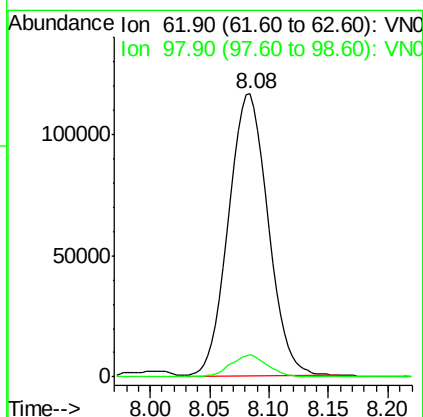
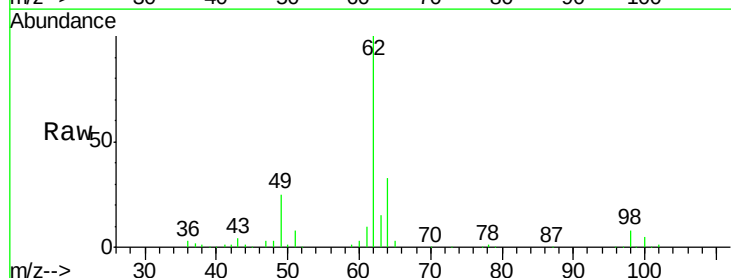
Manual Integrations
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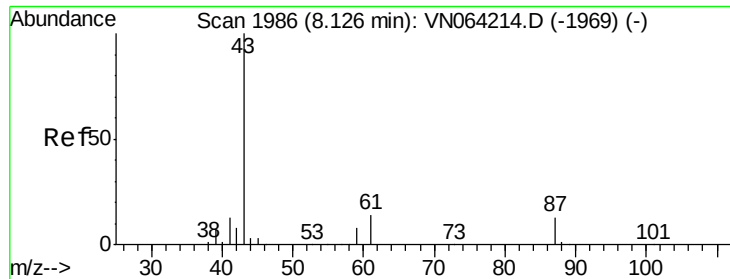
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.611 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.2	0.0	15.0	





#43

Isopropyl Acetate

Concen: 50.726 ug/l

RT: 8.12 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

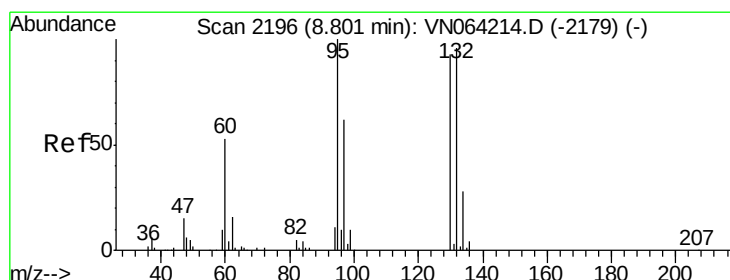
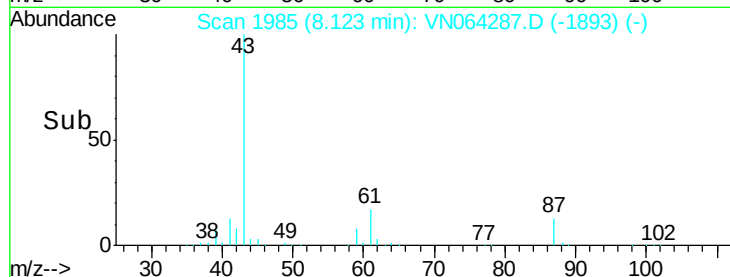
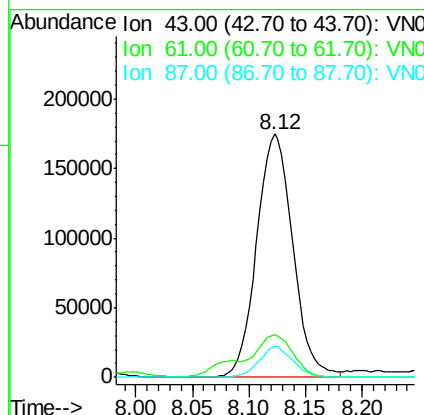
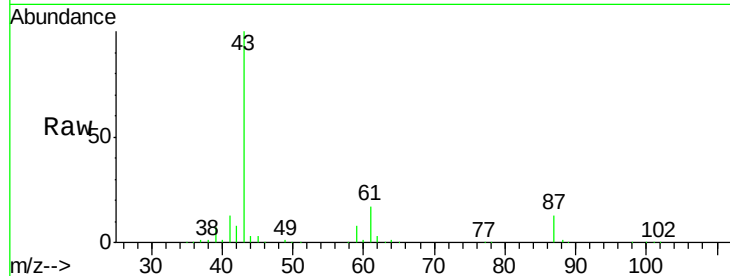
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	386480
Ion	Ratio	Lower	Upper
43	100		
61	17.2	19.6	29.4#
87	11.9	9.8	14.6

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#44

Trichloroethene

Concen: 51.145 ug/l

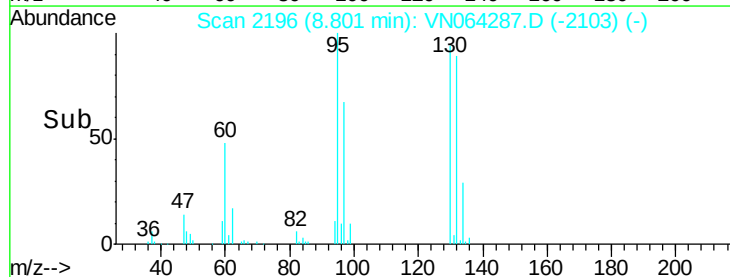
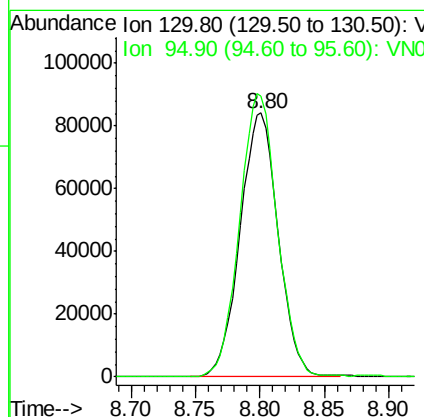
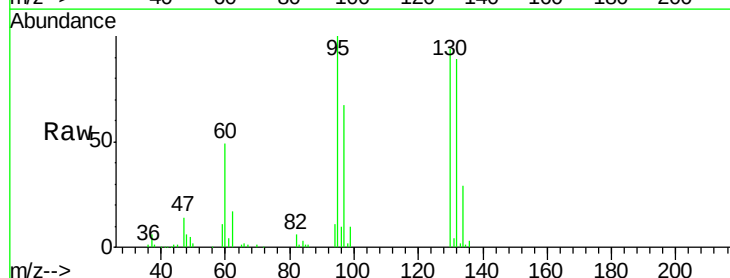
RT: 8.80 min Scan# 2196

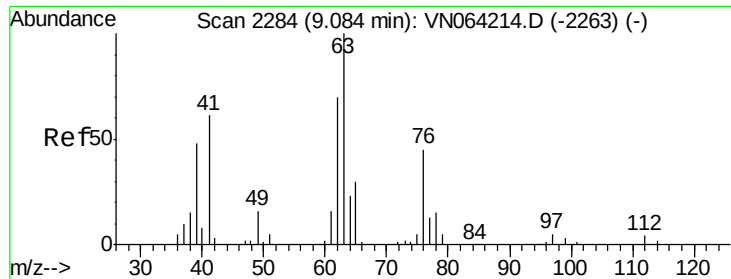
Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Tgt Ion:	130	Resp:	173227
Ion	Ratio	Lower	Upper
130	100		
95	106.3	0.0	214.0





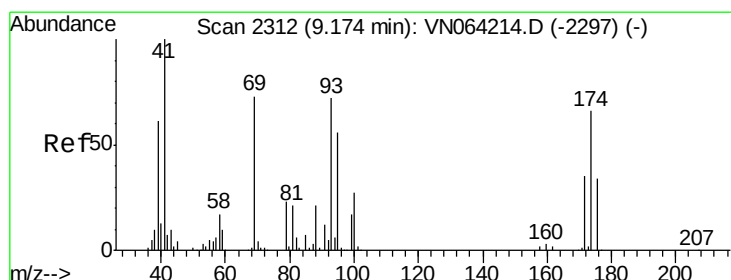
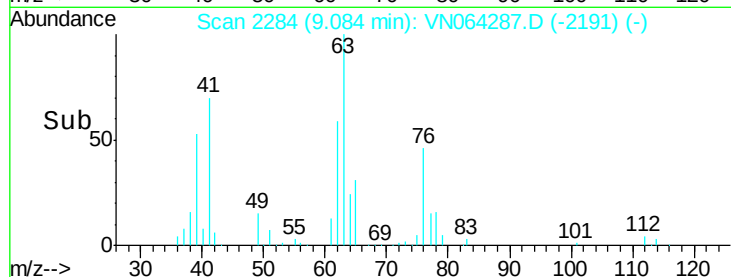
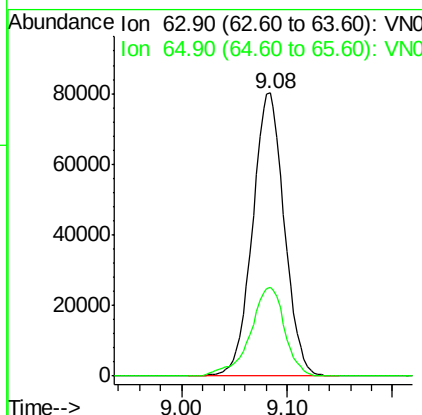
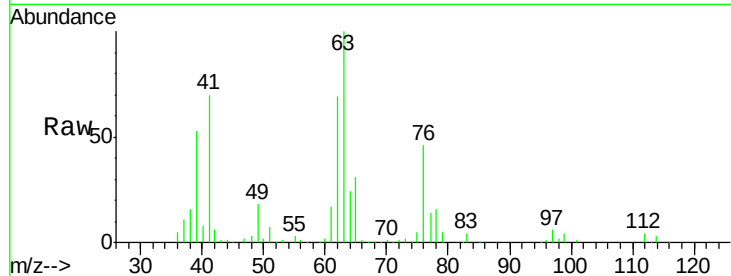
#45
 1,2-Dichloropropane
 Concen: 50.737 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 168354
 Ion Ratio Lower Upper
 63 100
 65 31.3 24.0 36.0

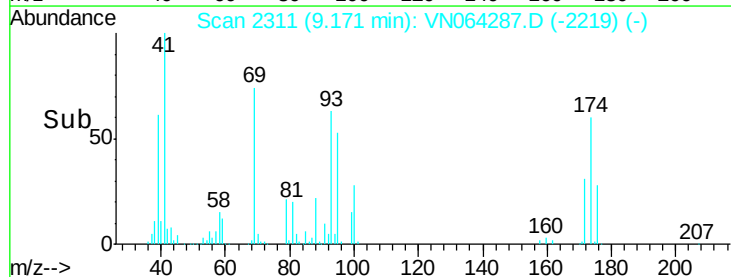
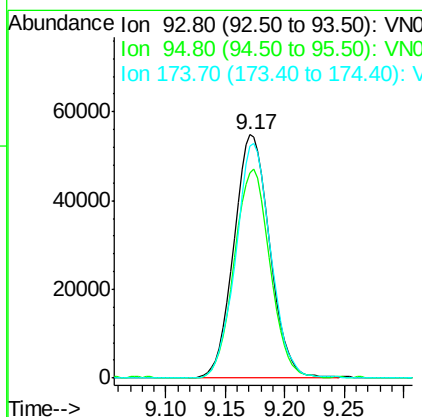
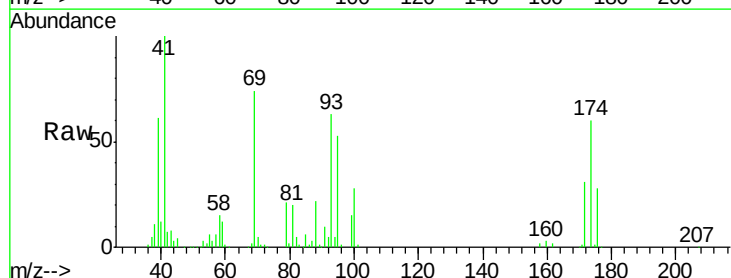
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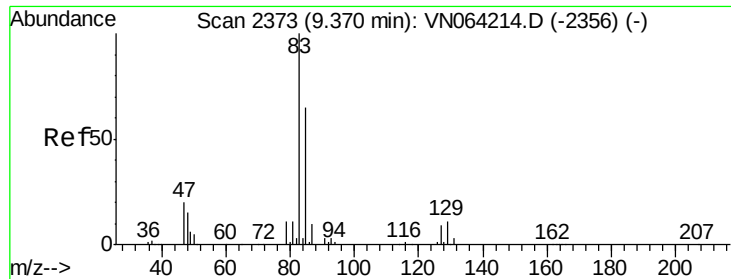
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#46
 Dibromomethane
 Concen: 51.476 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Tgt Ion: 93 Resp: 114692
 Ion Ratio Lower Upper
 93 100
 95 85.5 63.0 94.4
 174 93.8 72.9 109.3





#47

Bromodichloromethane

Concen: 52.188 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

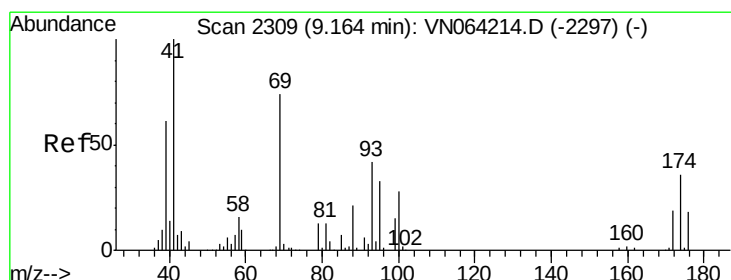
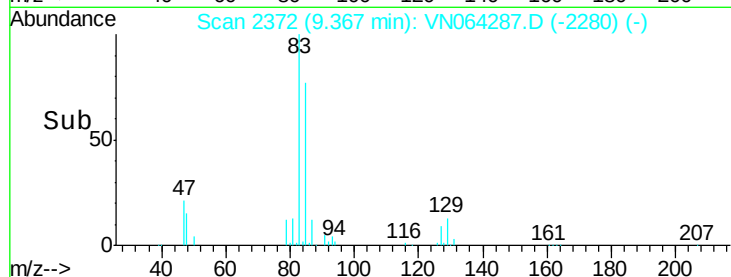
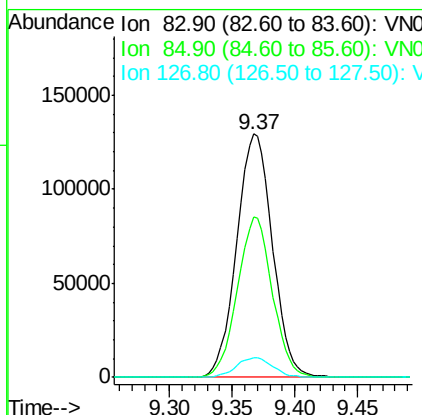
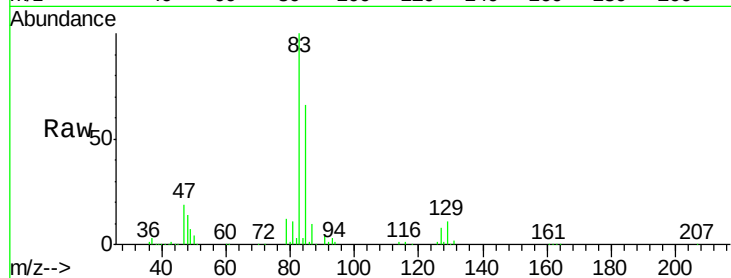
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	256894
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.8	77.8
127	7.8	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.778 ug/l

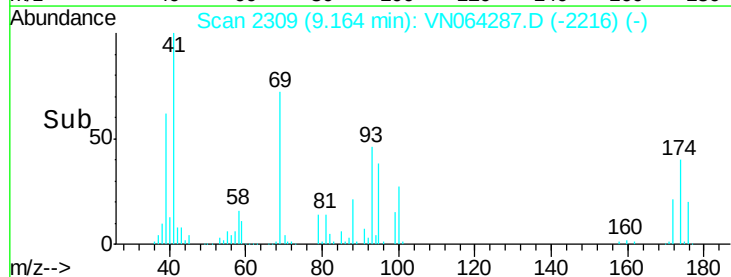
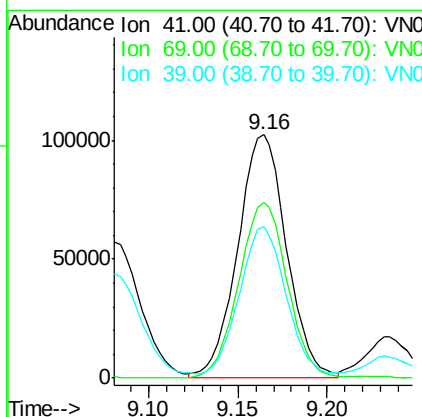
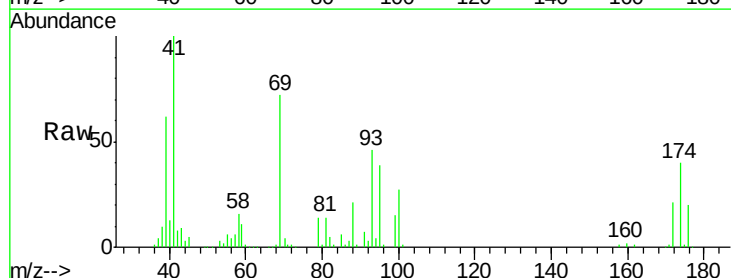
RT: 9.16 min Scan# 2309

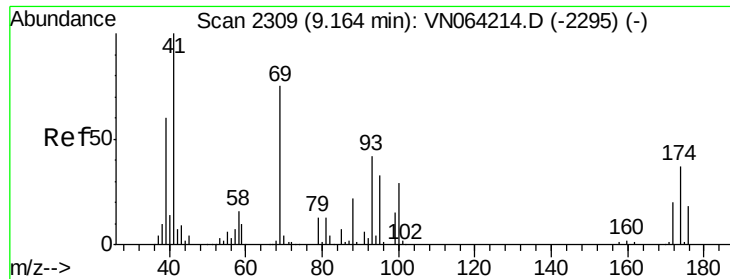
Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Tgt Ion:	41	Resp:	194139
Ion	Ratio	Lower	Upper
41	100		
69	72.4	57.3	85.9
39	61.0	48.6	73.0





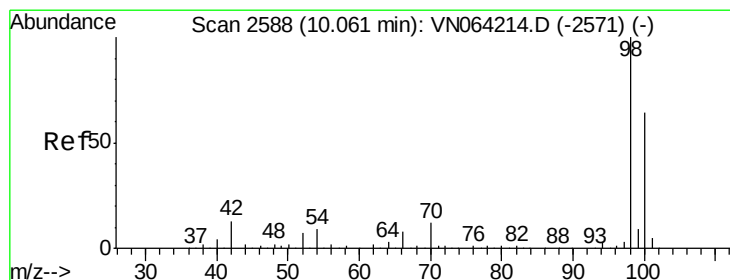
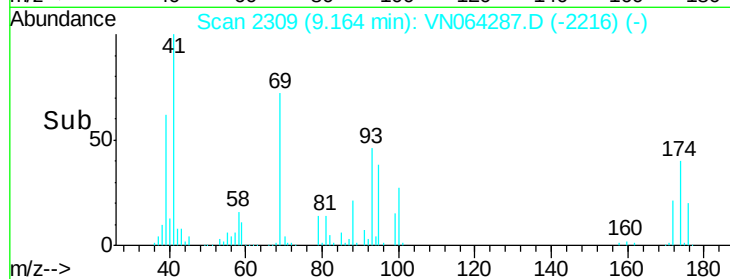
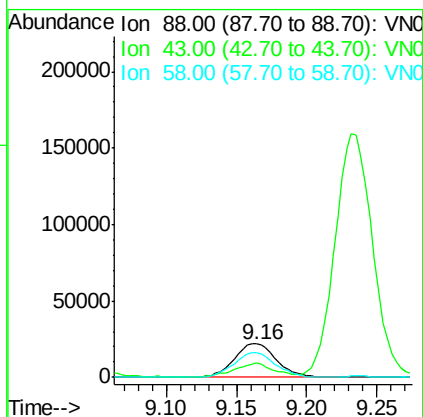
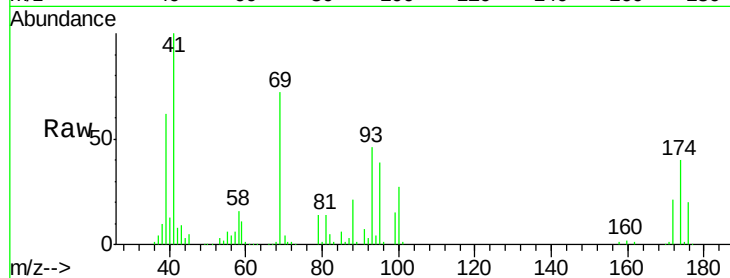
#49
1,4-Dioxane
Concen: 990.250 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	34.6	52.0
58	73.1	59.0	88.6

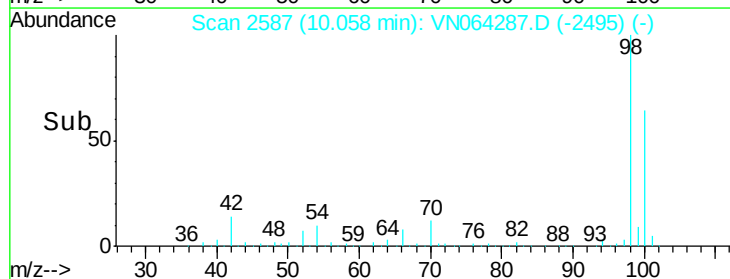
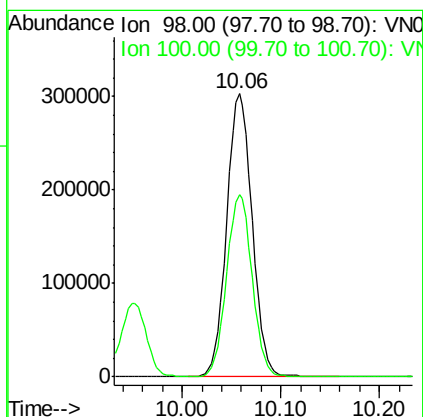
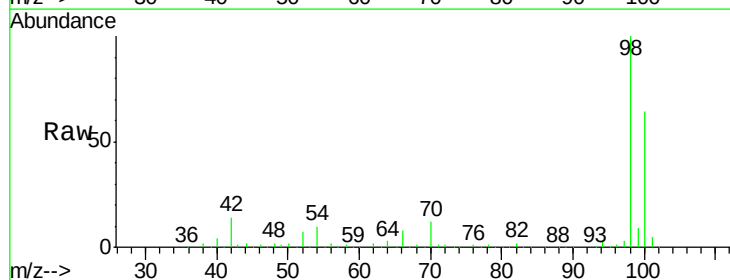
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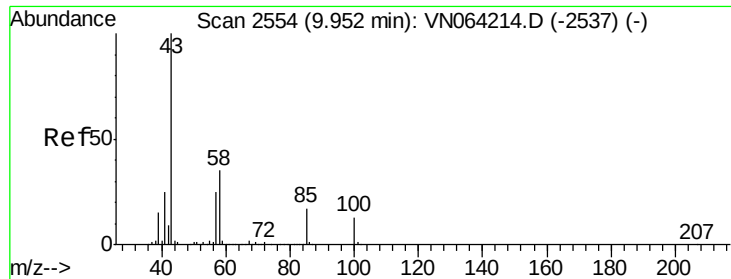
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#50
Toluene-d8
Concen: 50.081 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	50.8	76.2





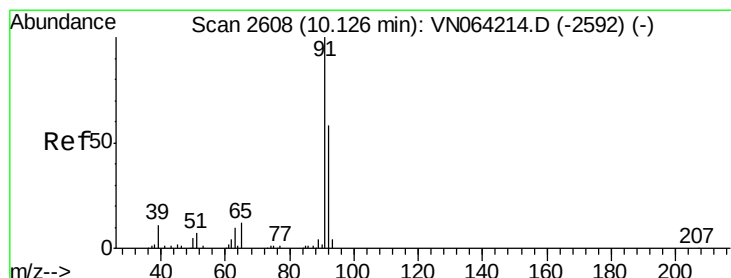
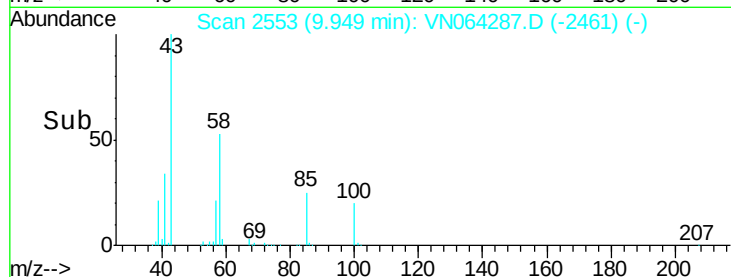
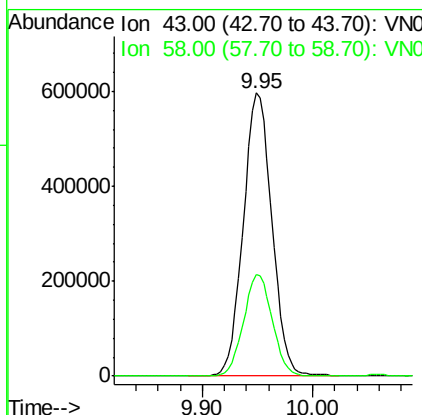
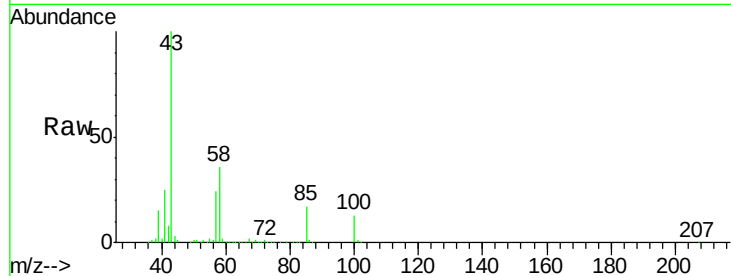
#51
4-Methyl-2-Pentanone
Concen: 262.769 ug/l
RT: 9.95 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1069984
Ion Ratio Lower Upper
43 100
58 36.0 28.6 42.8

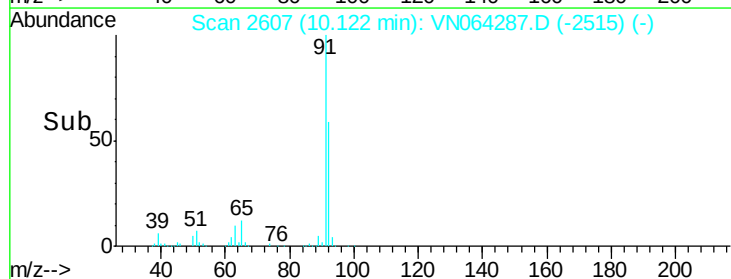
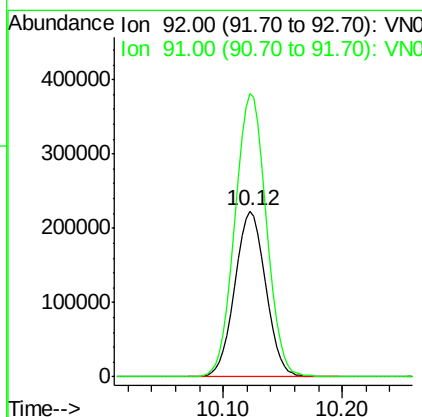
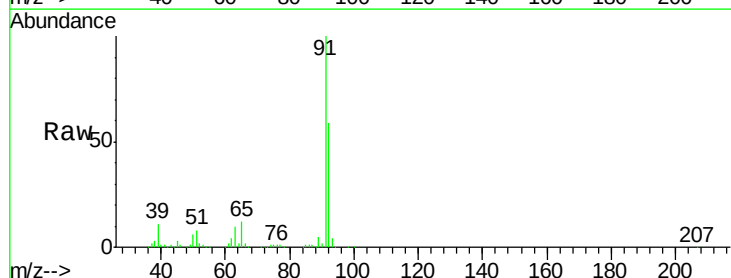
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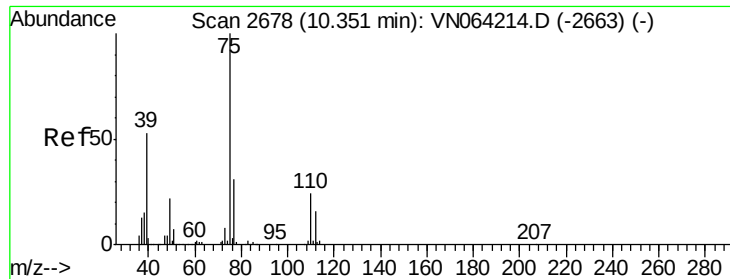
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#52
Toluene
Concen: 50.689 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion: 92 Resp: 403131
Ion Ratio Lower Upper
92 100
91 173.3 137.4 206.2





#53

t-1,3-Dichloropropene

Concen: 52.088 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 284829

Ion Ratio Lower Upper

75 100

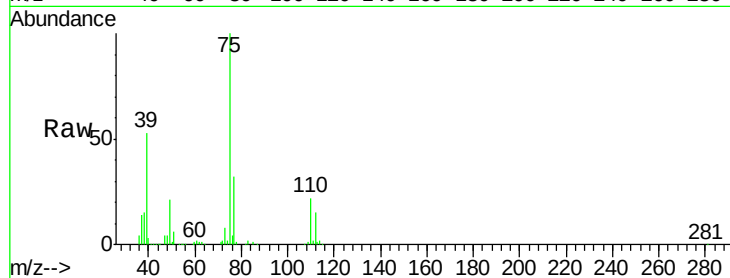
77 31.5 25.4 38.2

Manual Integrations

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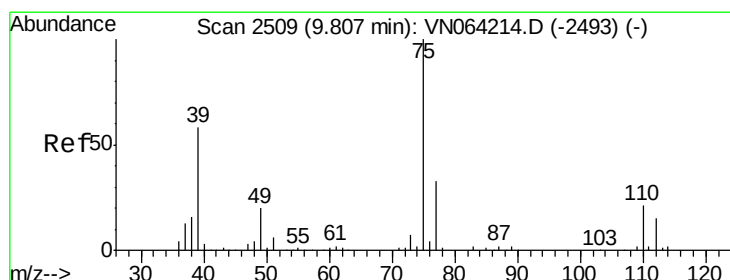
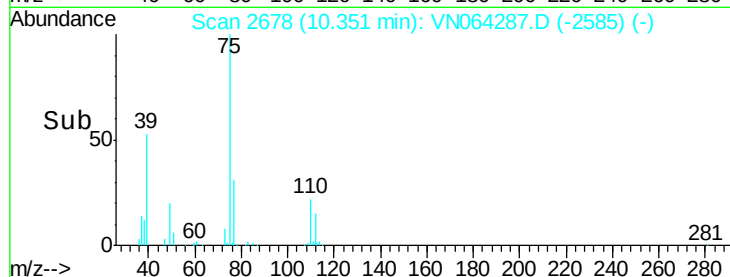
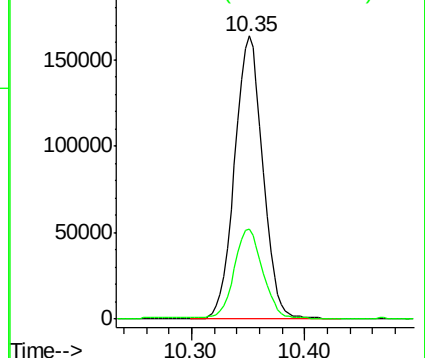
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 50.736 ug/l

RT: 9.80 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

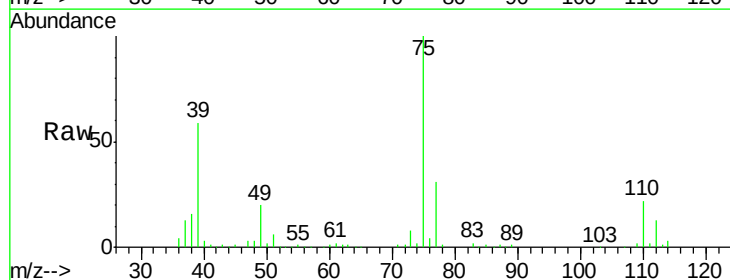
Tgt Ion: 75 Resp: 292116

Ion Ratio Lower Upper

75 100

77 31.4 26.6 39.8

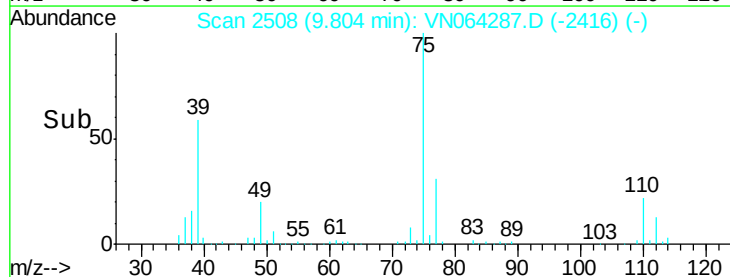
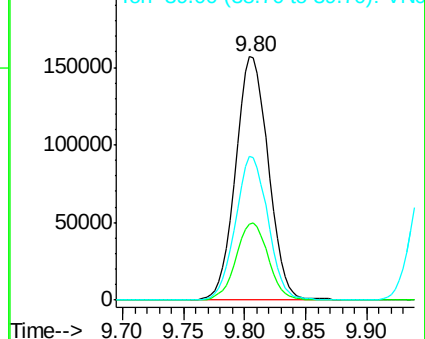
39 59.1 46.7 70.1

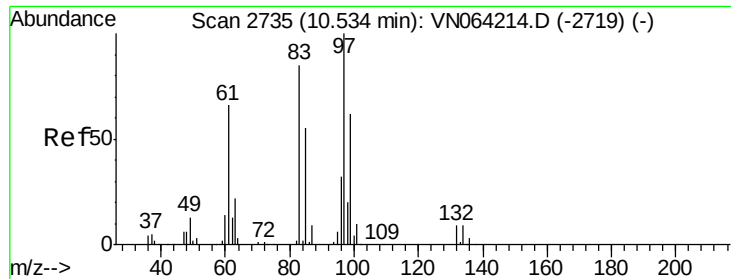


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





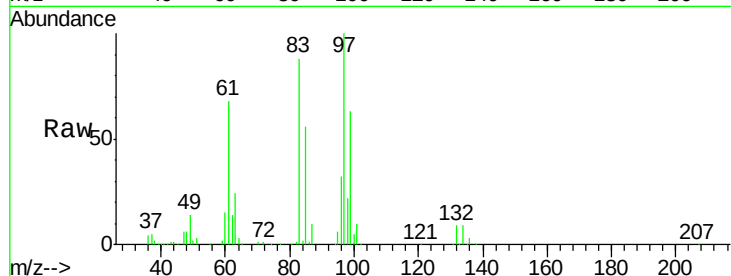
#55
 1,1,2-Trichloroethane
 Concen: 51.864 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	155786
Ion	Ratio	Lower	Upper
97	100		
83	88.4	67.8	101.6
85	56.4	43.6	65.4
99	62.2	49.9	74.9

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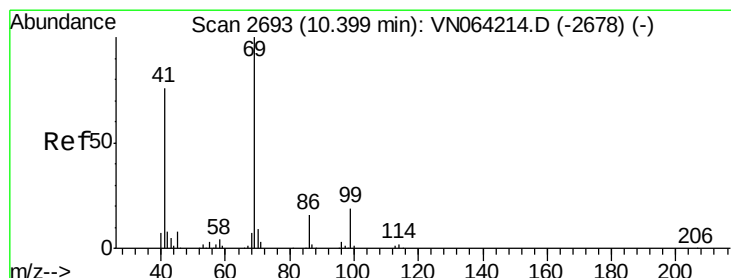
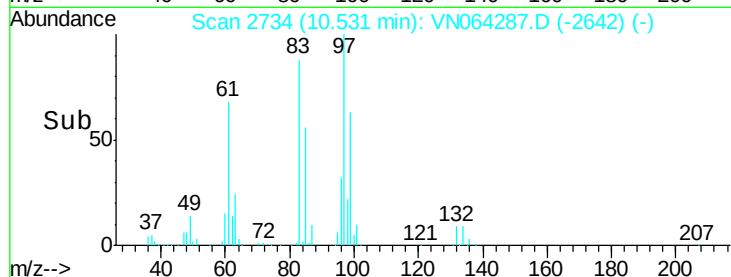
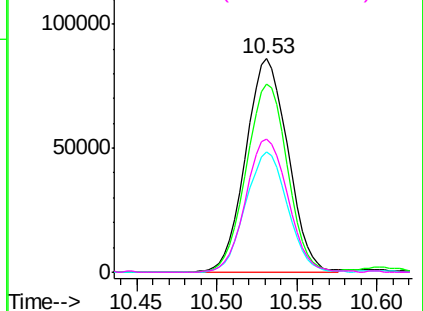


Abundance Ion 96.90 (96.60 to 97.60): VN064287.D (-2642) (-)

Ion 82.90 (82.60 to 83.60): VN064287.D (-2642) (-)

Ion 84.90 (84.60 to 85.60): VN064287.D (-2642) (-)

Ion 98.90 (98.60 to 99.60): VN064287.D (-2642) (-)



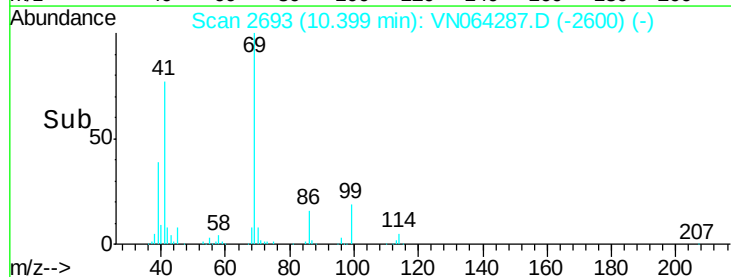
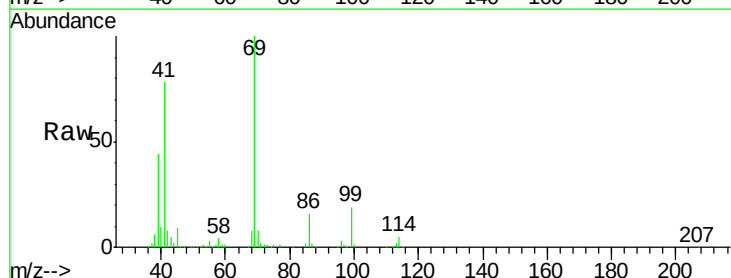
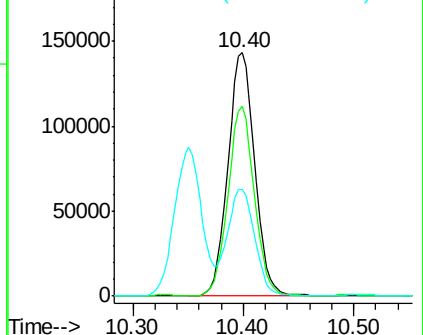
#56
 Ethyl methacrylate
 Concen: 51.947 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

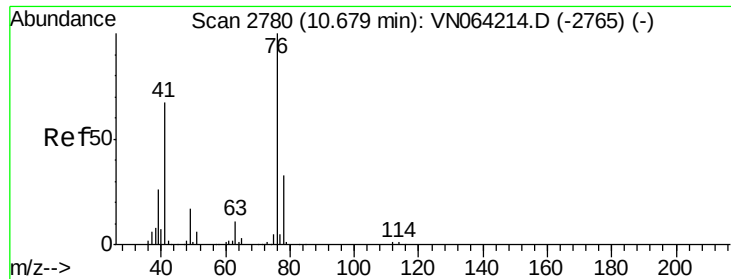
Tgt Ion:	69	Resp:	241264
Ion	Ratio	Lower	Upper
69	100		
41	76.1	61.4	92.2
39	43.9	36.0	54.0

Abundance Ion 69.00 (68.70 to 69.70): VN064287.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN064287.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN064287.D (-2600) (-)





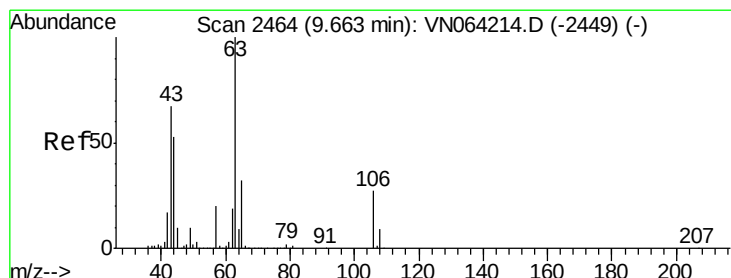
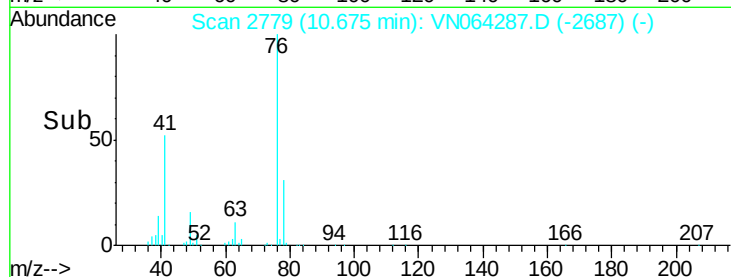
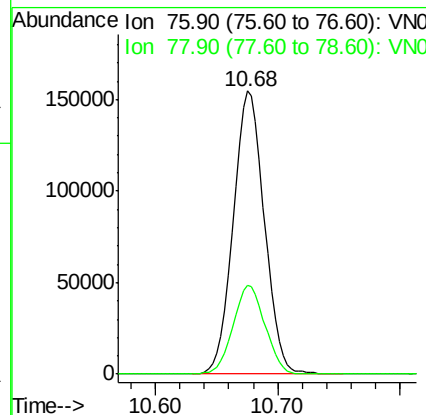
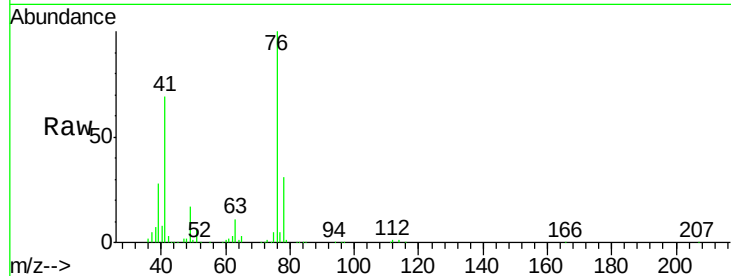
#57
 1,3-Dichloropropane
 Concen: 52.619 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 274535
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.2

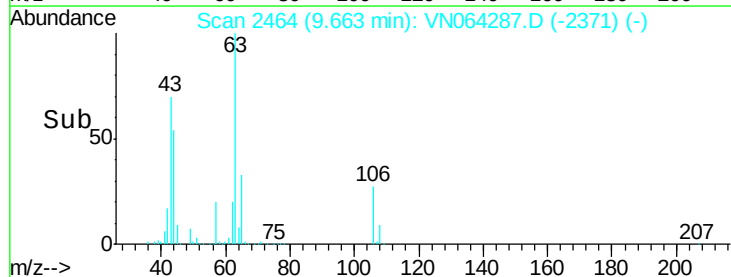
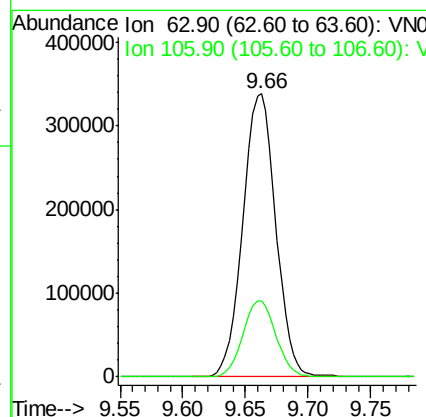
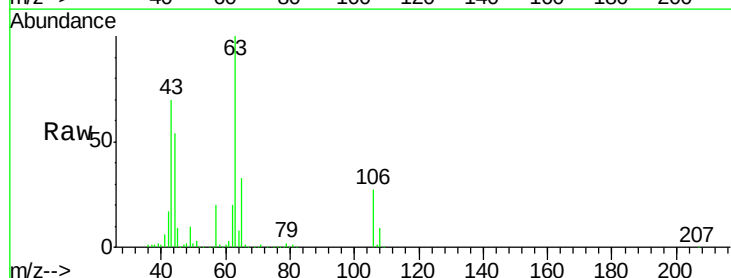
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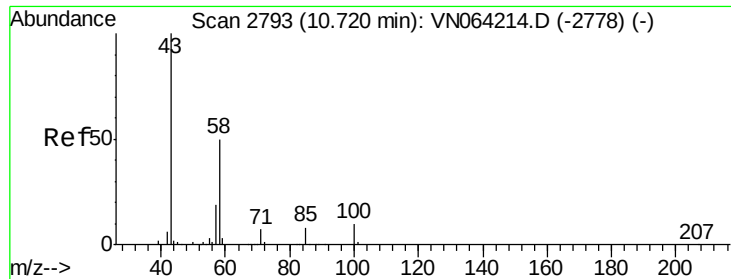
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 257.962 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Tgt Ion: 63 Resp: 616943
 Ion Ratio Lower Upper
 63 100
 106 27.0 21.3 31.9





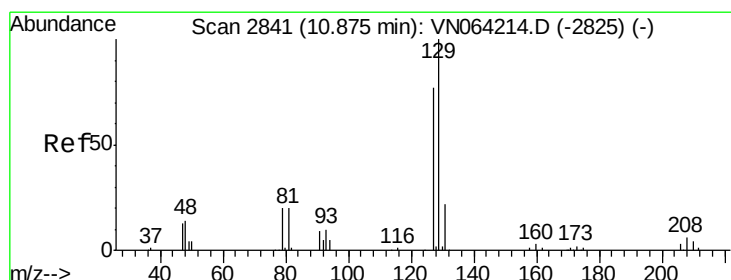
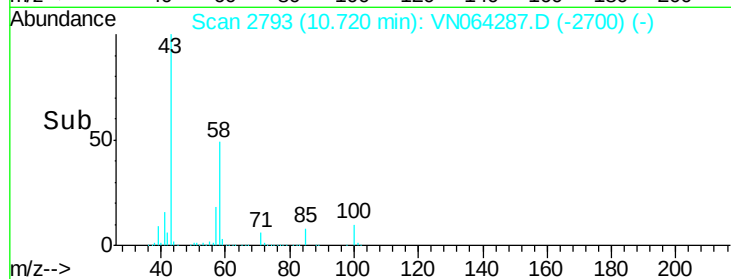
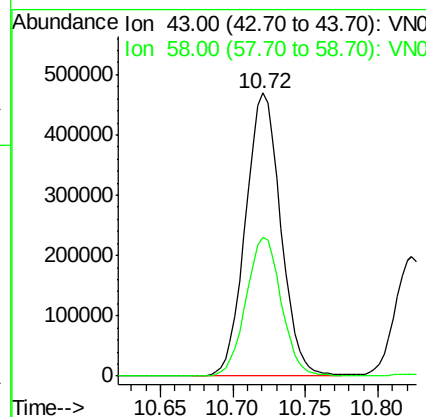
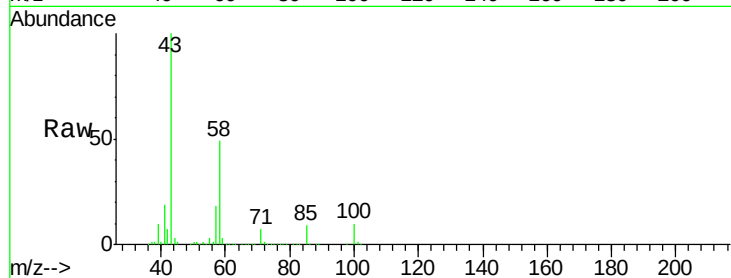
#59
2-Hexanone
Concen: 266.594 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.4	24.8	74.3

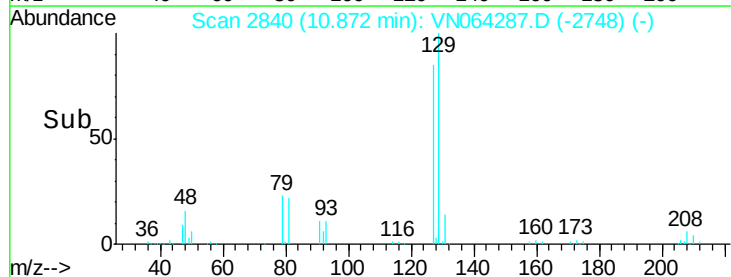
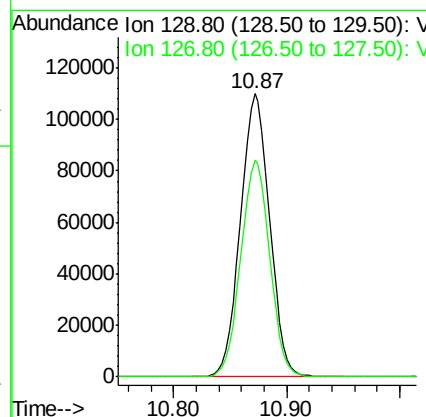
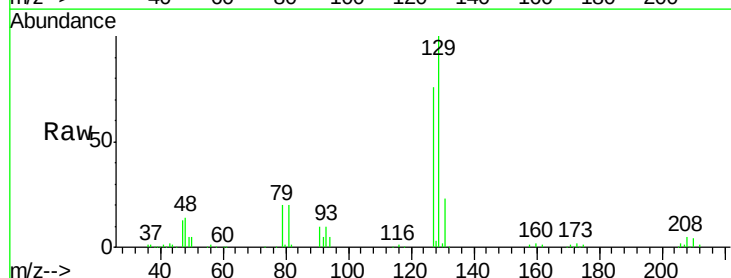
Manual Integrations
APPROVED

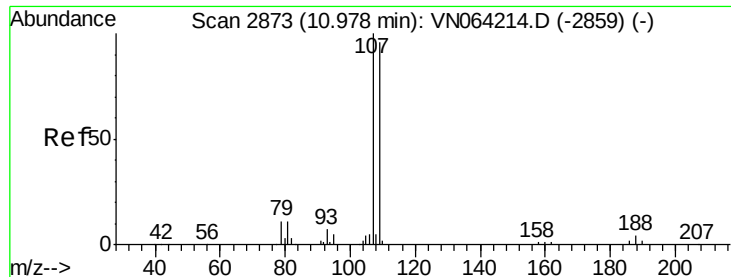
MMDadoda
10/26/2020 1:38:57 PM



#60
Dibromochloromethane
Concen: 50.975 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.8	116.3





#61

1,2-Dibromoethane

Concen: 52.350 ug/l

RT: 10.97 min Scan# 2872

Delta R.T. -0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 165932

Ion Ratio Lower Upper

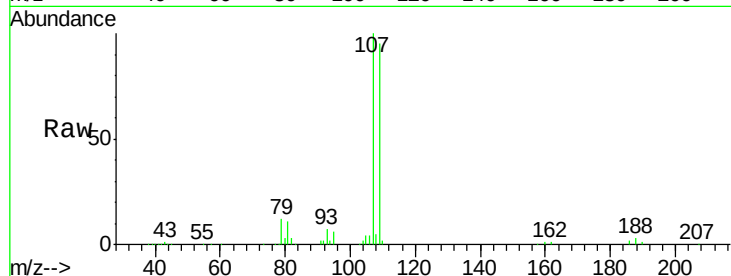
107 100

109 95.1 76.2 114.4

Manual Integrations
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MMDadoda

10/26/2020 1:38:57 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.97

80000

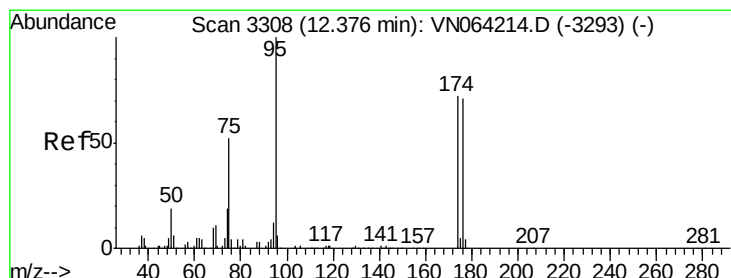
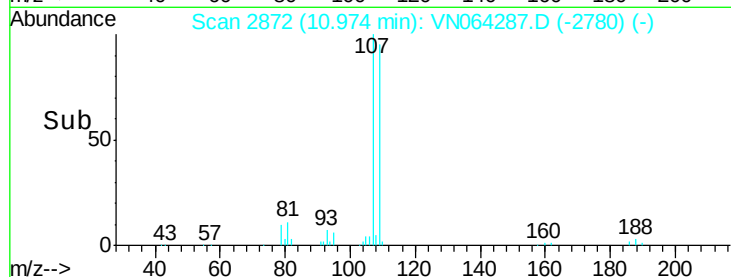
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.670 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

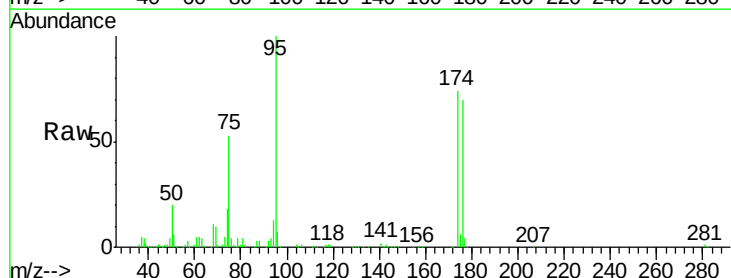
Tgt Ion: 95 Resp: 219330

Ion Ratio Lower Upper

95 100

174 72.8 0.0 144.4

176 71.6 0.0 139.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.38

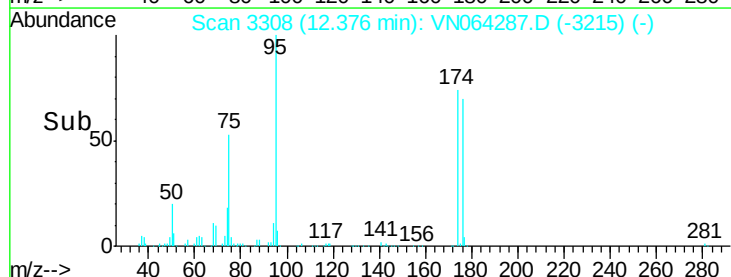
150000

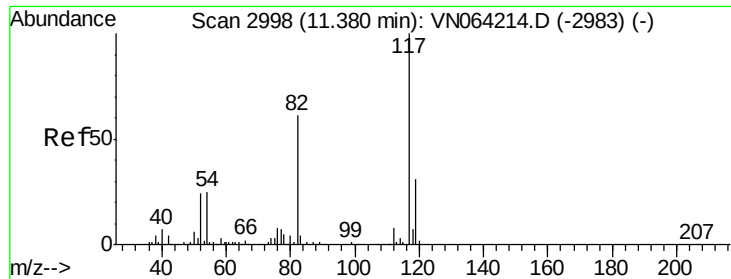
100000

50000

0

Time-->





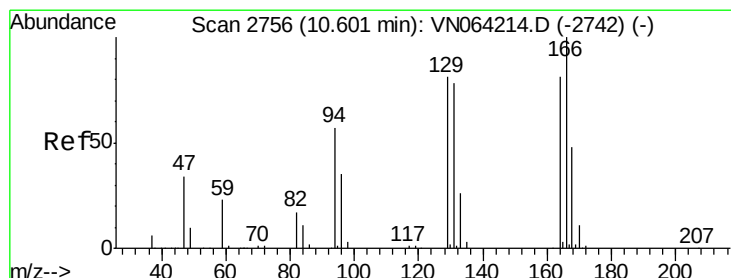
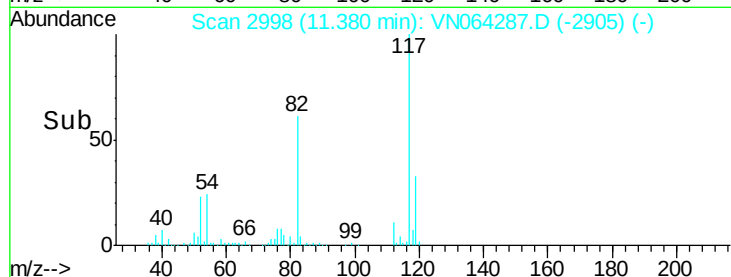
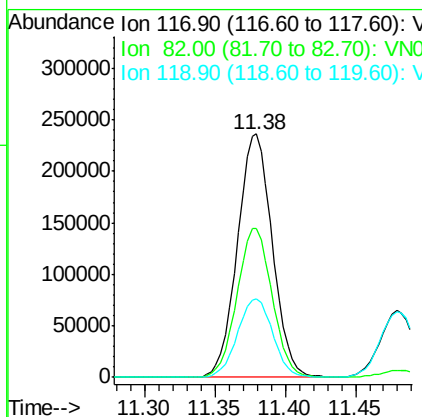
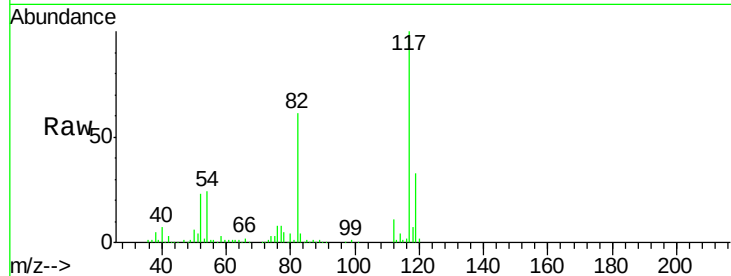
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.4	48.8	73.2
119	32.5	24.7	37.1

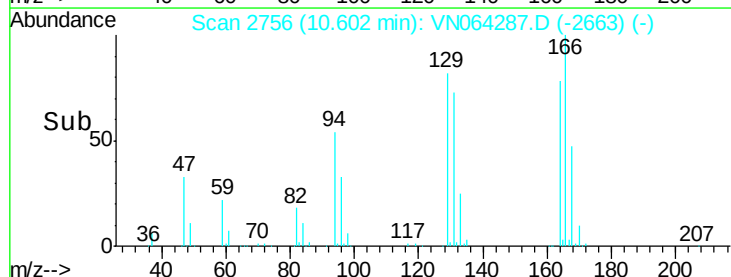
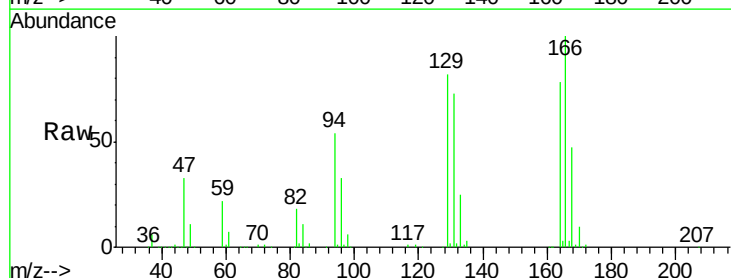
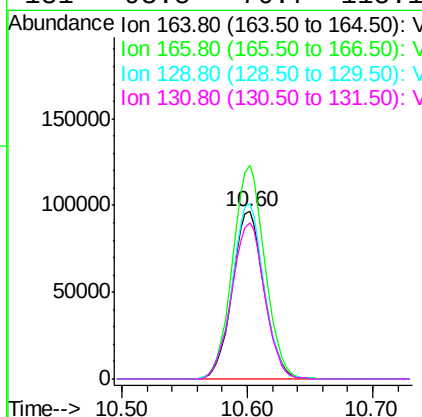
Manual Integrations
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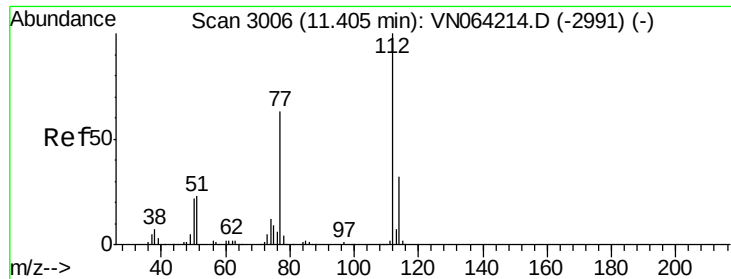
MMDadoda
10/26/2020 1:38:57 PM



#64
Tetrachloroethene
Concen: 51.627 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.5	98.9	148.3
129	104.3	79.9	119.9
131	93.5	76.7	115.1





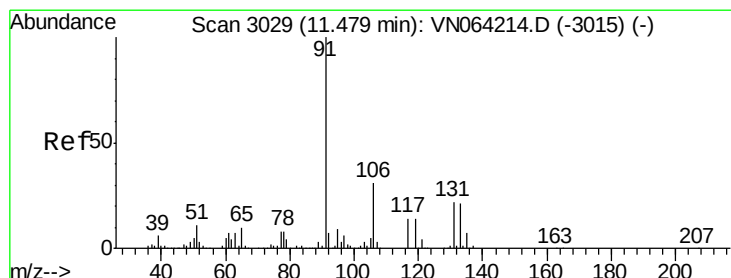
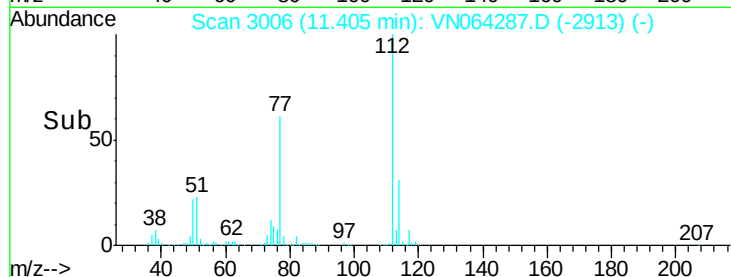
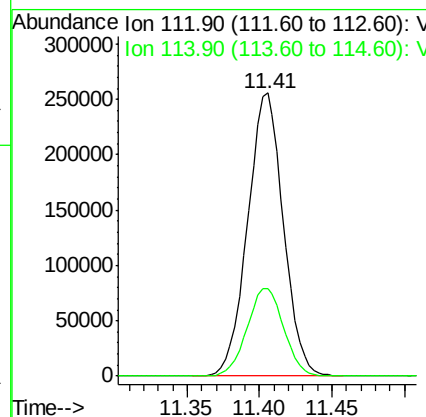
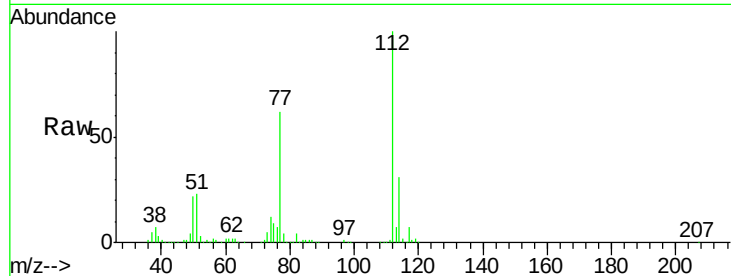
#65
Chlorobenzene
Concen: 51.570 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.7	38.5

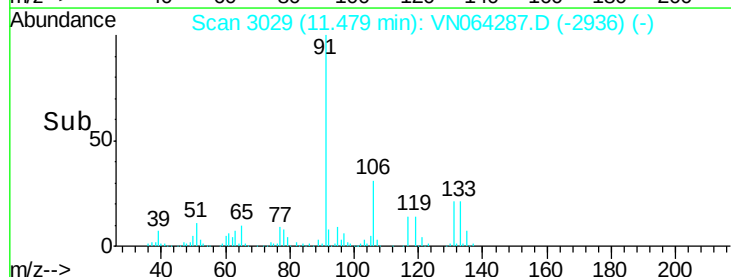
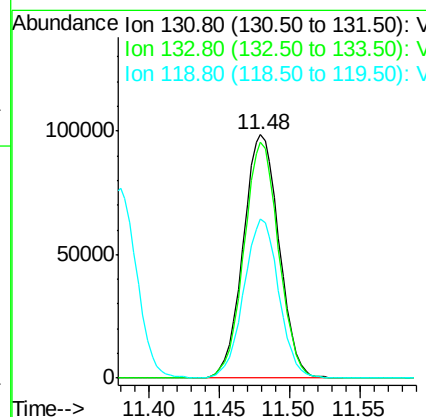
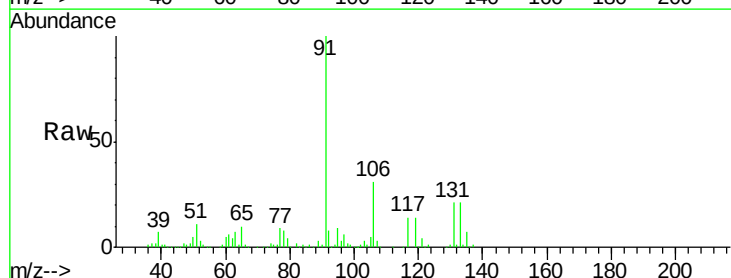
Manual Integrations
APPROVED

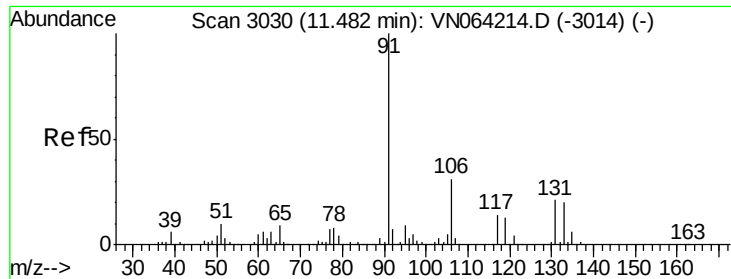
MMDadoda
10/26/2020 1:38:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.068 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.6	47.8	143.4
119	63.5	32.2	96.6





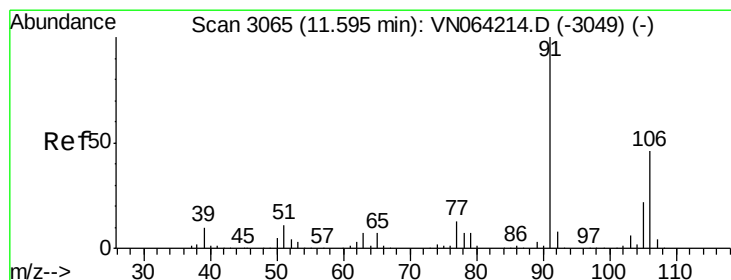
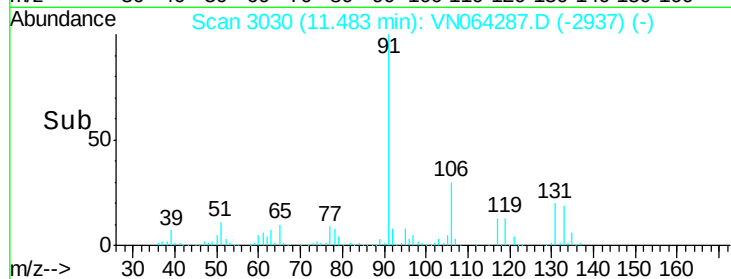
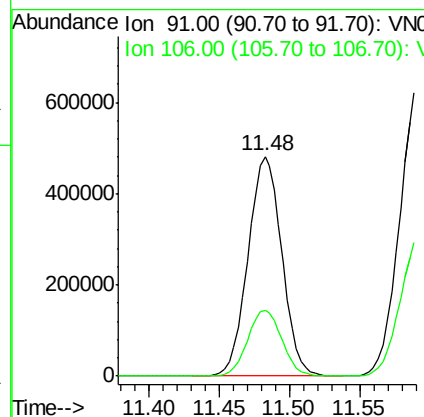
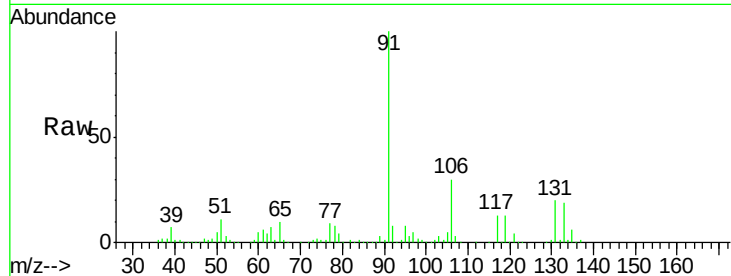
#67
Ethyl Benzene
Concen: 51.779 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 808639
Ion Ratio Lower Upper
91 100
106 30.1 24.8 37.2

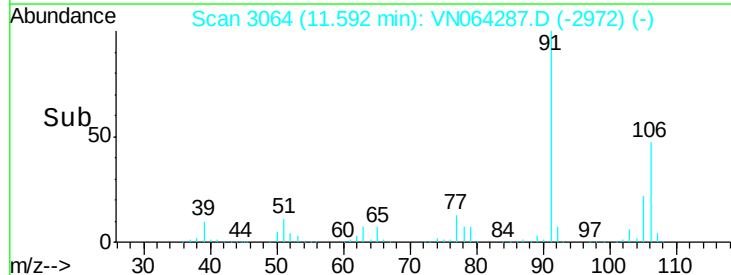
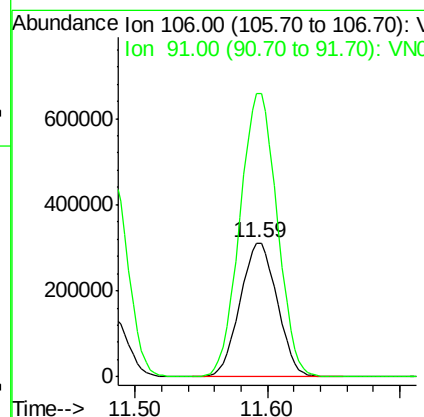
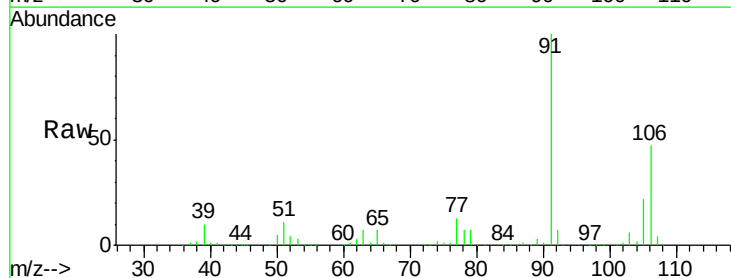
Manual Integrations
APPROVED

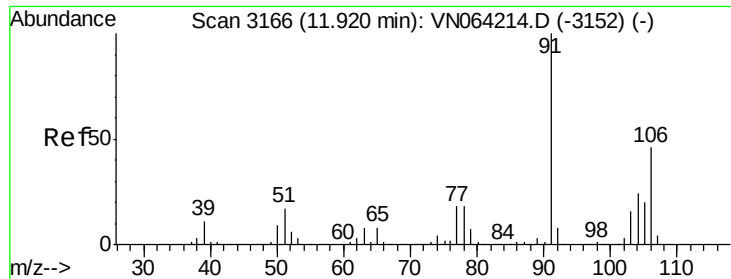
MMDadoda
10/26/2020 1:38:57 PM



#68
m/p-Xylenes
Concen: 104.646 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion: 106 Resp: 605505
Ion Ratio Lower Upper
106 100
91 212.3 172.2 258.2





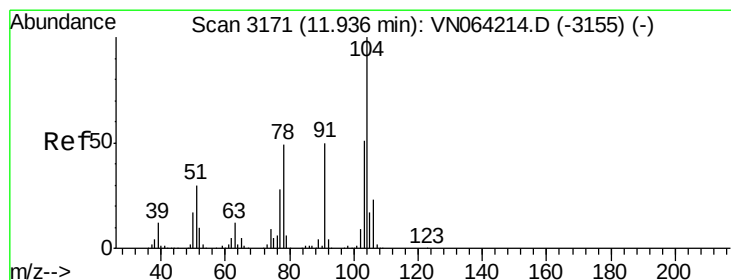
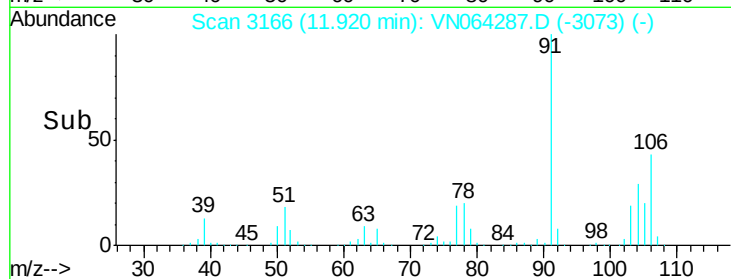
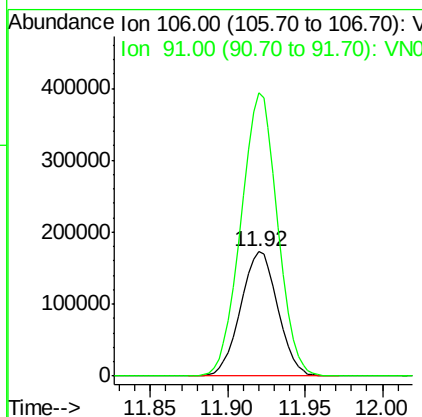
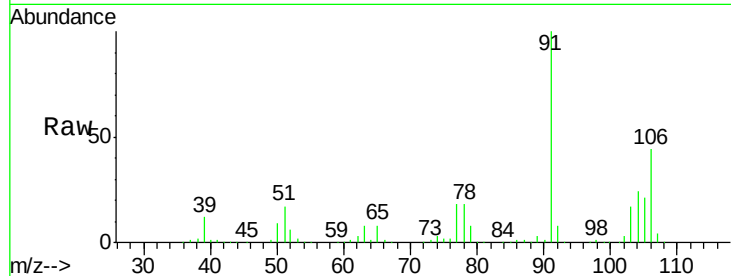
#69
o-Xylene
Concen: 51.888 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 290369
Ion Ratio Lower Upper
106 100
91 223.5 109.9 329.6

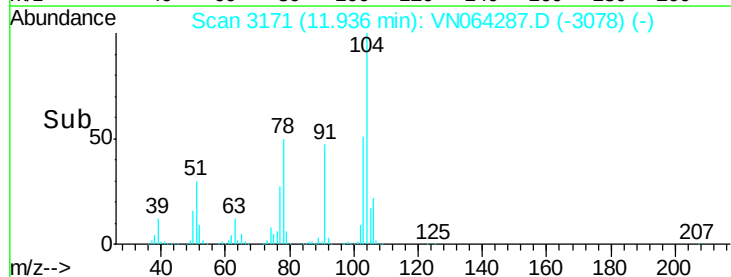
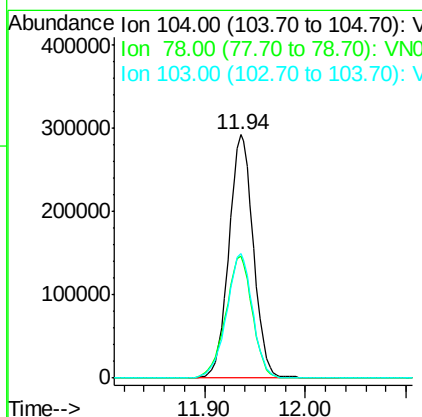
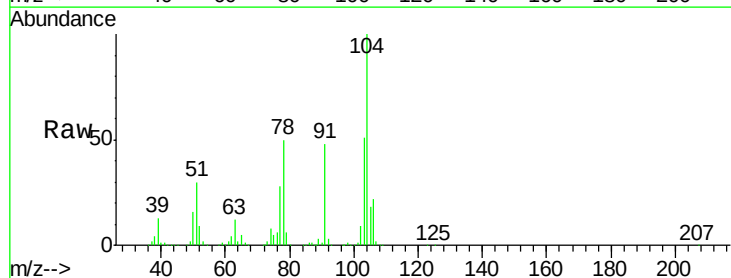
Manual Integrations
APPROVED

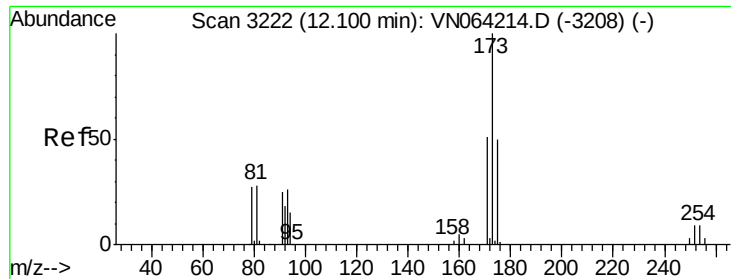
MMDadoda
10/26/2020 1:38:57 PM



#70
Styrene
Concen: 52.631 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion:104 Resp: 493691
Ion Ratio Lower Upper
104 100
78 54.7 43.8 65.6
103 54.3 43.4 65.2





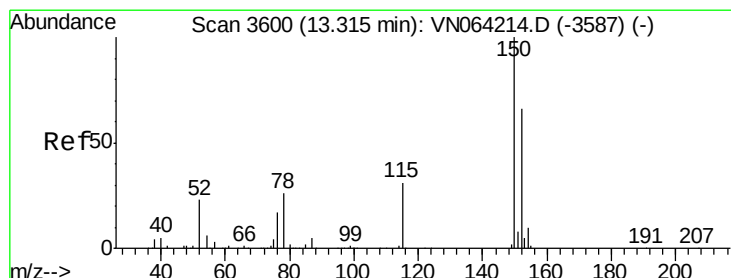
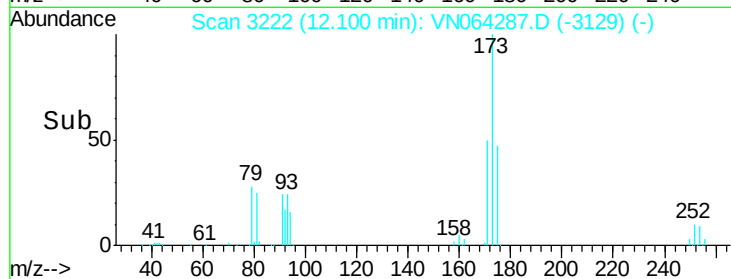
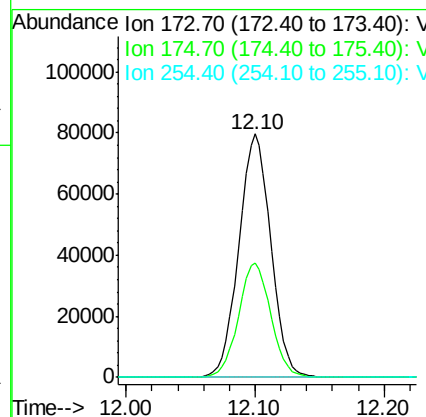
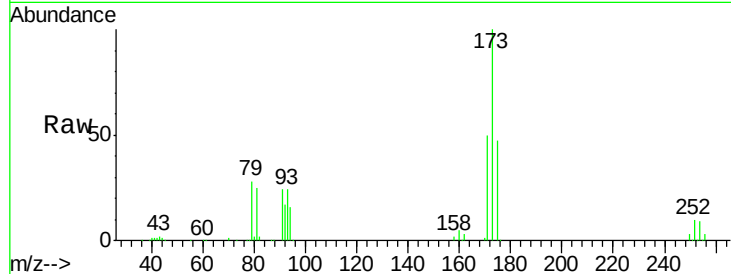
#71
Bromoform
Concen: 52.629 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	25.1	75.3
254	0.1	0.0	0.0#

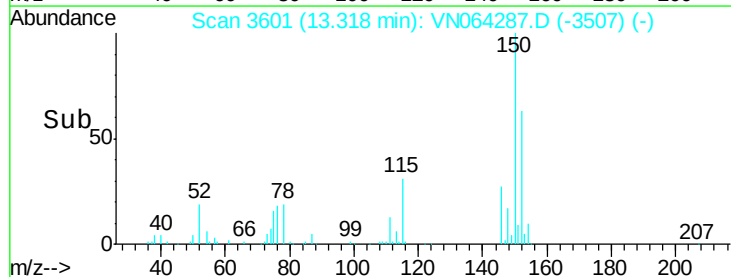
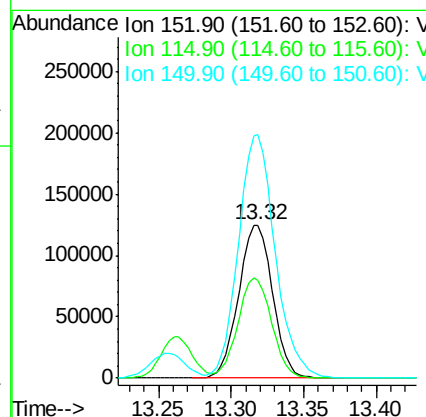
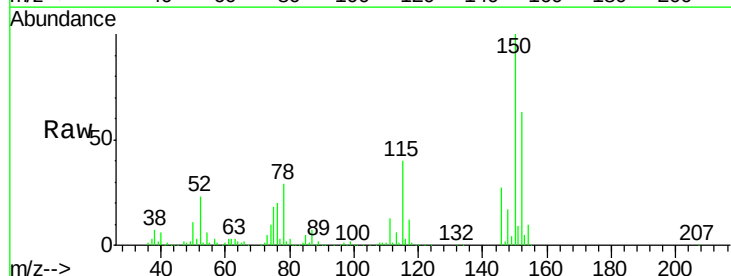
Manual Integrations
APPROVED

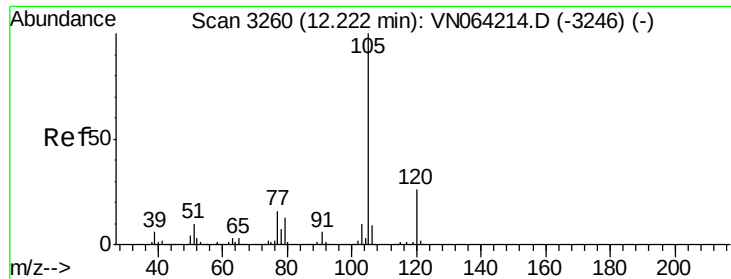
MMDadoda
10/26/2020 1:38:57 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.5	32.0	96.2
150	171.1	0.0	356.6





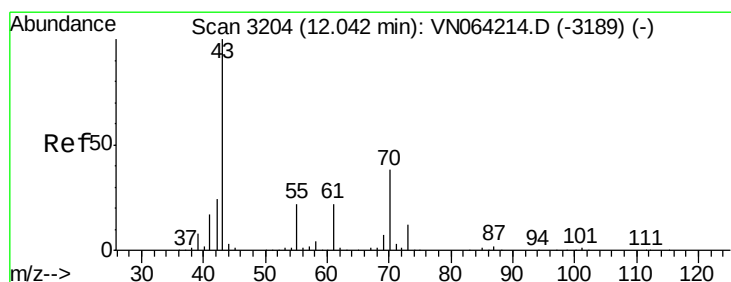
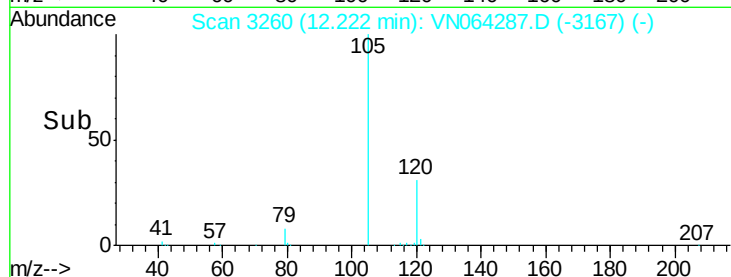
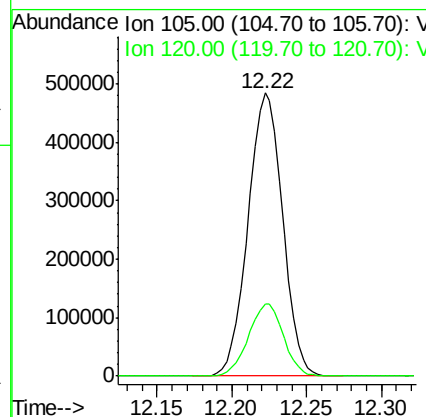
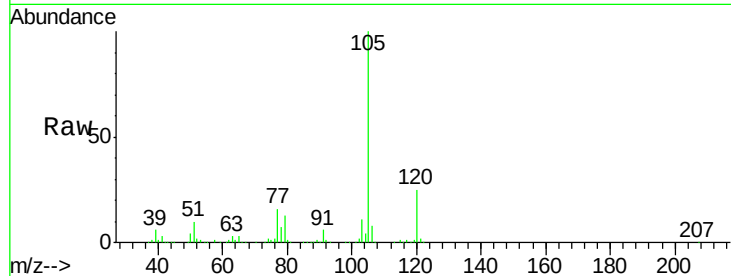
#73
Isopropylbenzene
Concen: 50.163 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

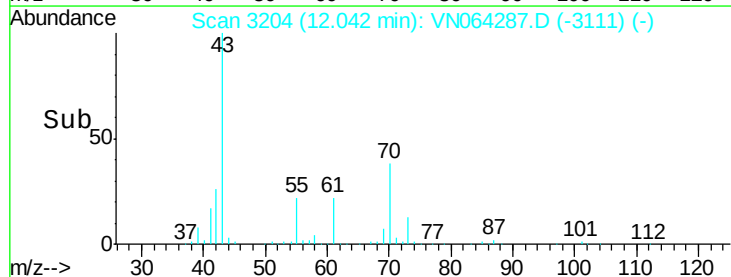
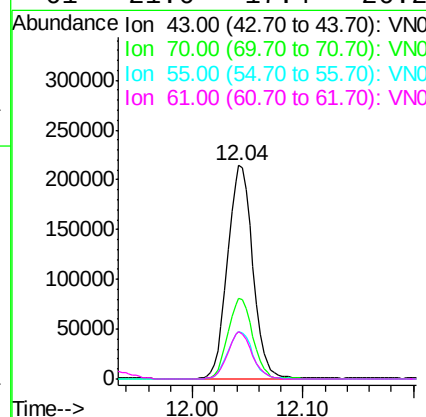
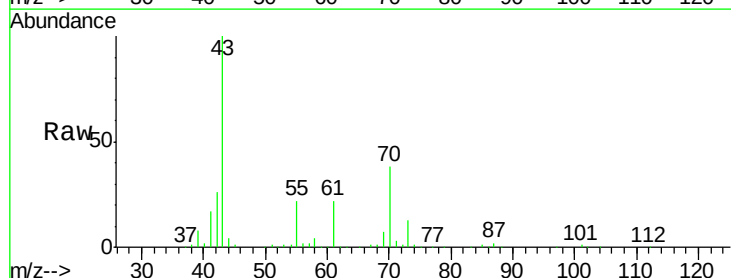
Manual Integrations
APPROVED

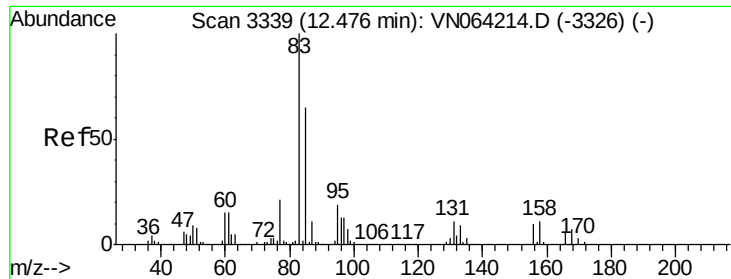
MMDadoda
10/26/2020 1:38:57 PM



#74
N-ethyl acetate
Concen: 50.794 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.3	30.2	45.4
55	22.2	18.0	27.0
61	21.6	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.339 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 203577

Ion Ratio Lower Upper

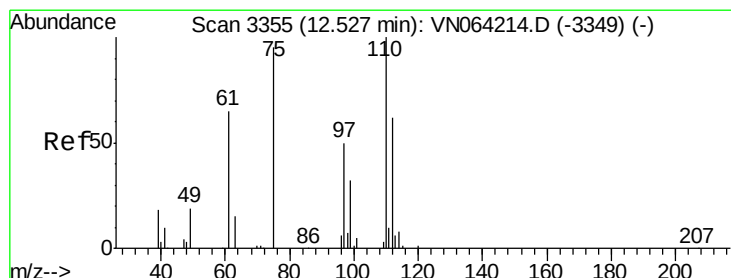
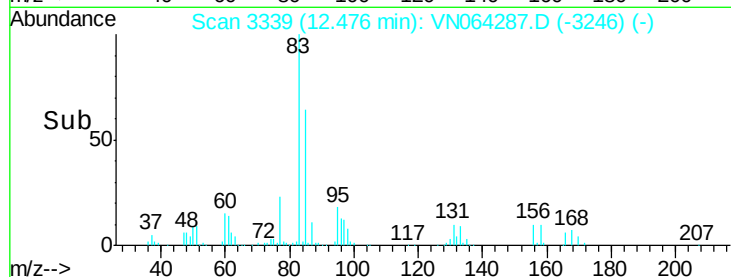
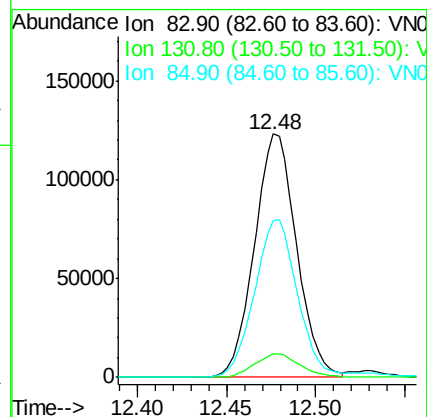
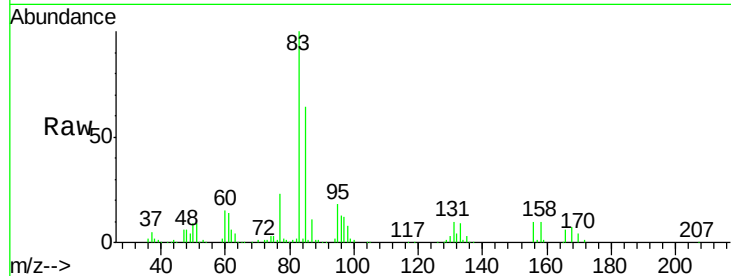
83 100

131 10.5 5.5 16.7

85 65.9 32.4 97.0

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:57 PM



#76

1,2,3-Trichloropropane

Concen: 51.701 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064287.D

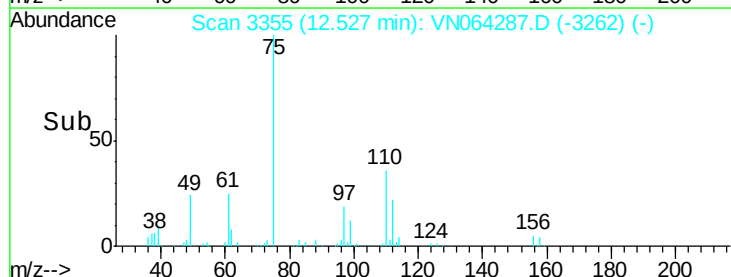
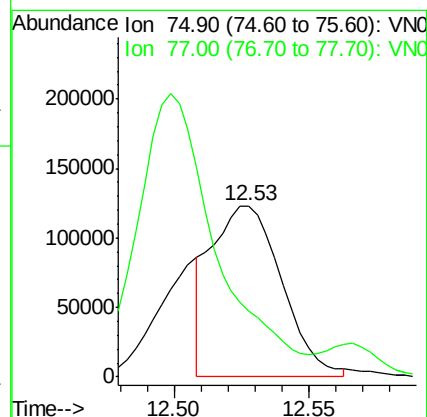
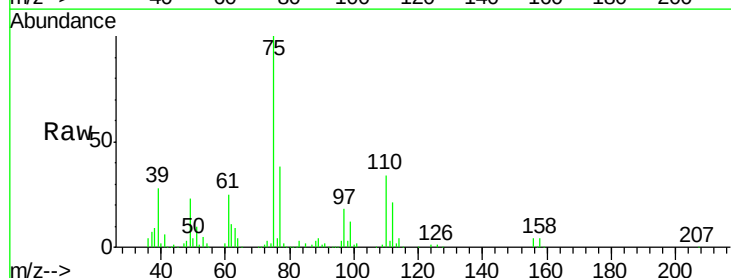
Acq: 23 Oct 2020 15:32

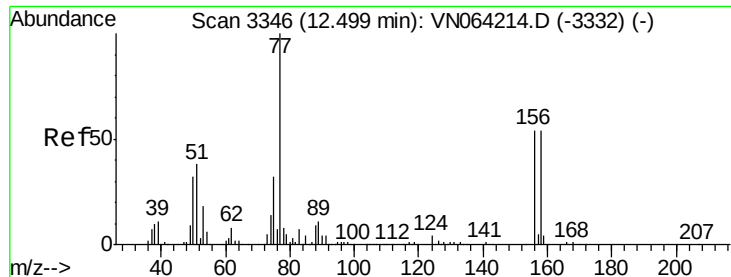
Tgt Ion: 75 Resp: 222197

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





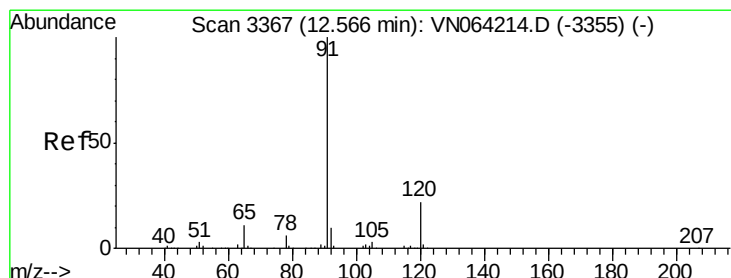
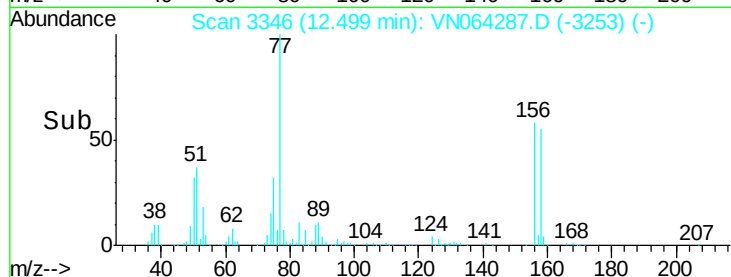
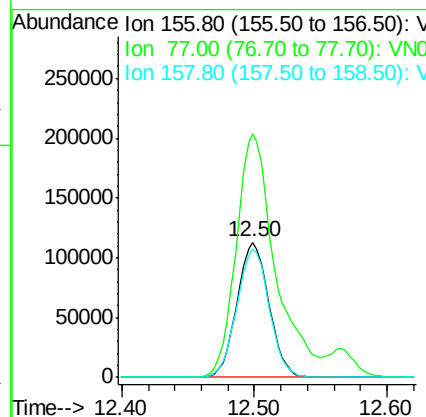
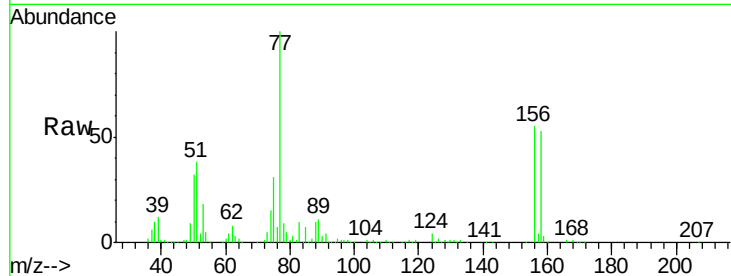
#77
Bromobenzene
Concen: 51.551 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	220.3	111.1	333.4
158	96.2	50.0	150.1

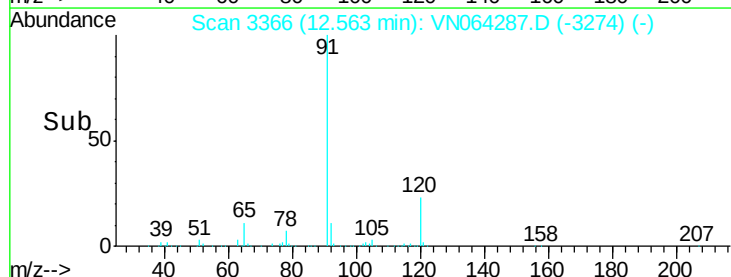
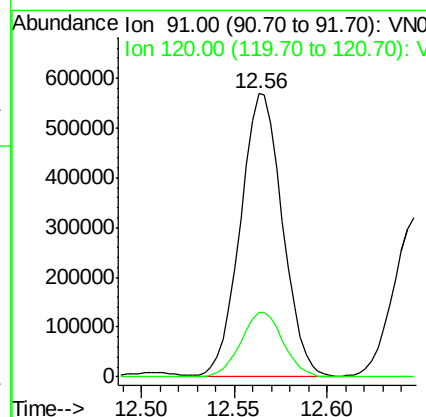
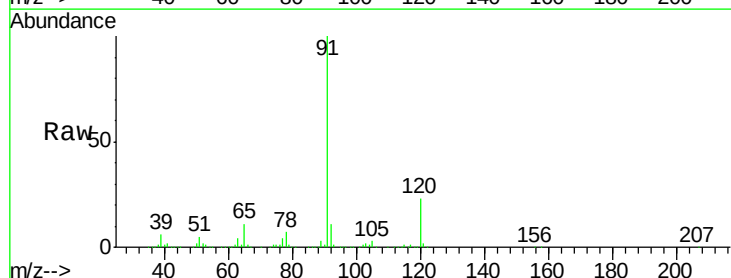
Manual Integrations
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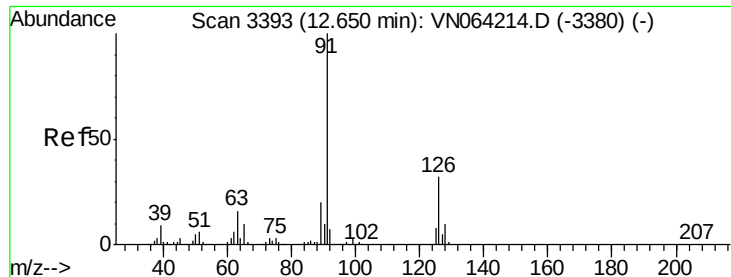
MMDadoda
10/26/2020 1:38:57 PM



#78
n-propylbenzene
Concen: 50.713 ug/l
RT: 12.56 min Scan# 3366
Delta R.T. -0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.1	33.1





#79

2-Chlorotoluene

Concen: 50.176 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 540289

Ion Ratio Lower Upper

91 100

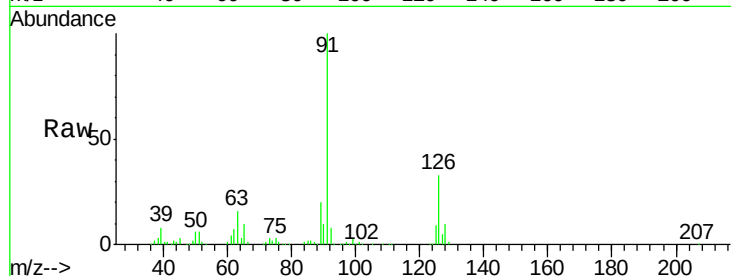
126 32.9 16.0 48.0

Manual Integrations

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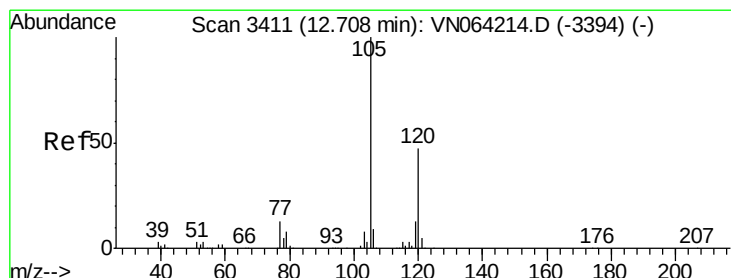
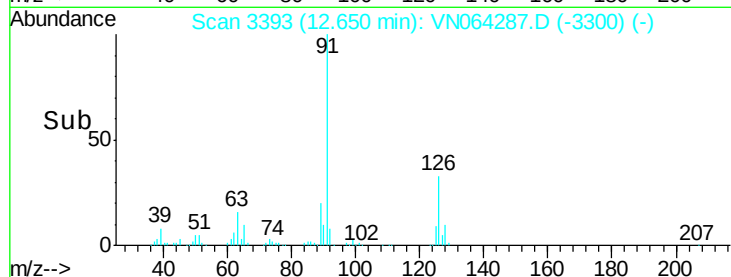
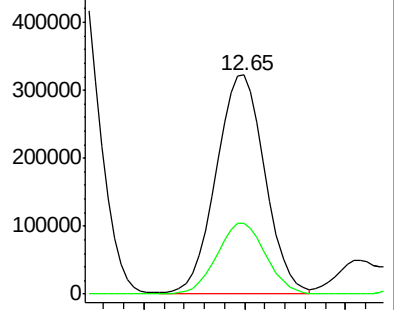
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Abundance Ion 91.00 (90.70 to 91.70): VN064287.D (-3393) (-)

Ion 125.90 (125.60 to 126.60): VN064287.D (-3393) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.370 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064287.D

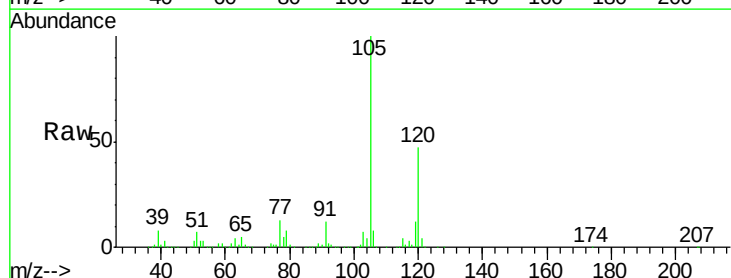
Acq: 23 Oct 2020 15:32

Tgt Ion: 105 Resp: 662102

Ion Ratio Lower Upper

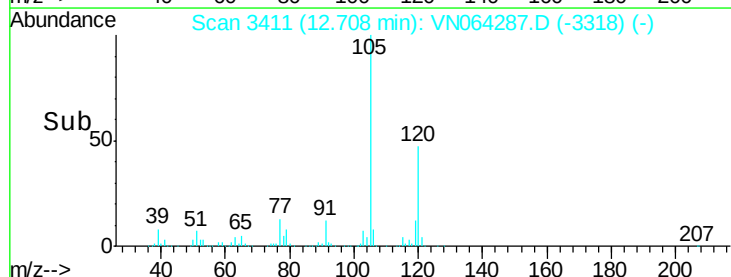
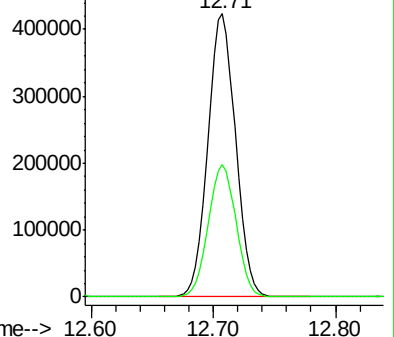
105 100

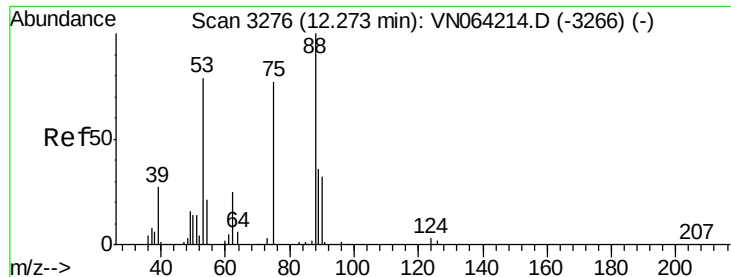
120 46.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN064287.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN064287.D (-3318) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.564 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 82669

Ion Ratio Lower Upper

75 100

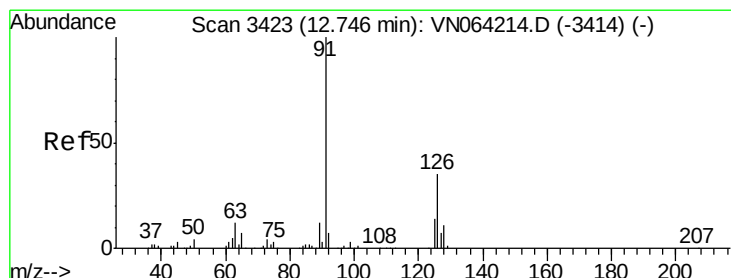
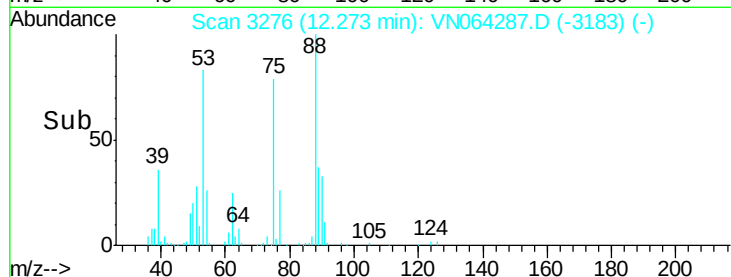
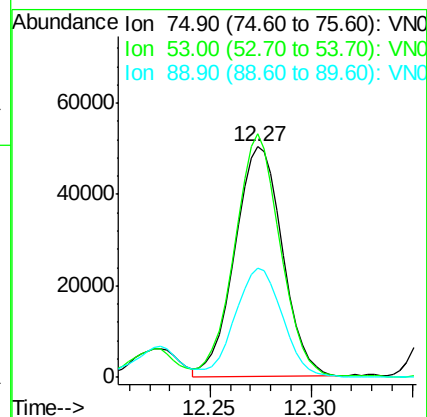
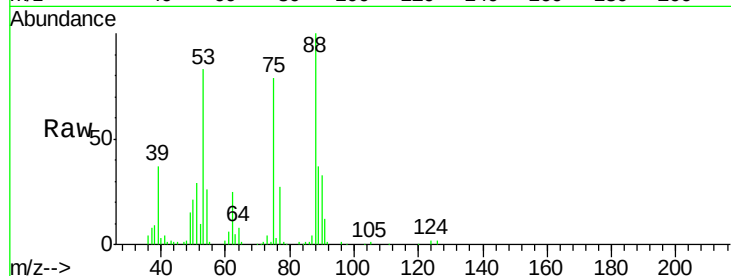
53 101.0 81.0 121.4

89 47.7 38.7 58.1

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#82

4-Chlorotoluene

Concen: 51.627 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN064287.D

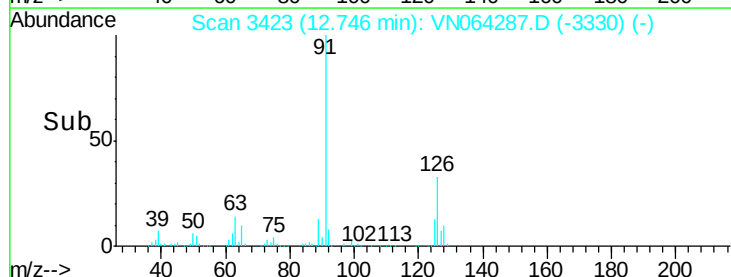
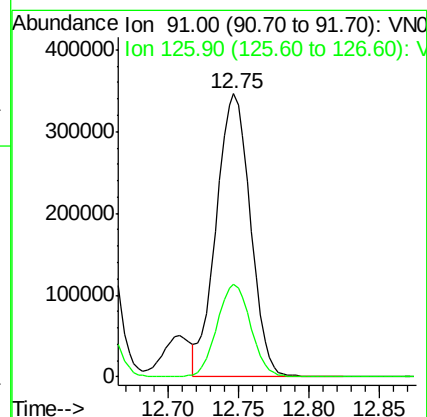
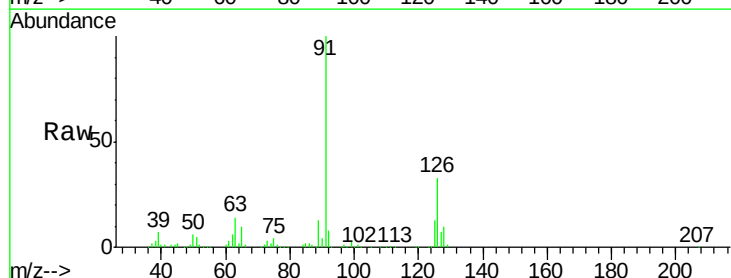
Acq: 23 Oct 2020 15:32

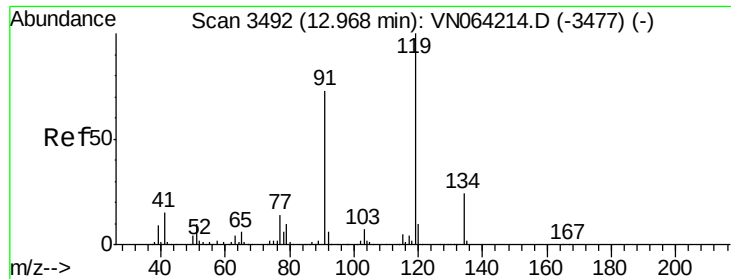
Tgt Ion: 91 Resp: 579877

Ion Ratio Lower Upper

91 100

126 32.6 15.8 47.3





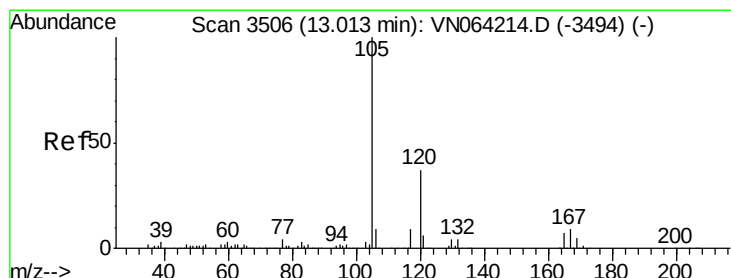
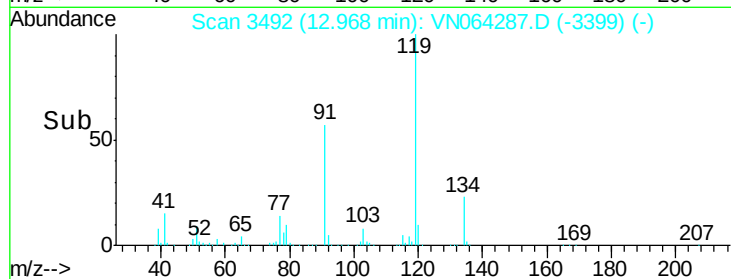
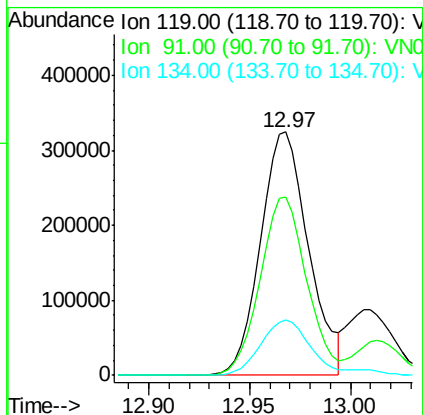
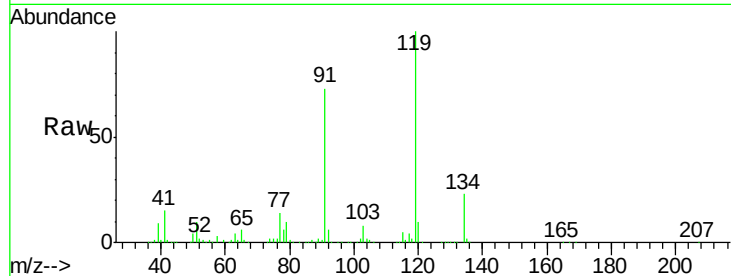
#83
tert-Butylbenzene
Concen: 49.906 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.7	35.1	105.3
134	23.1	11.6	34.8

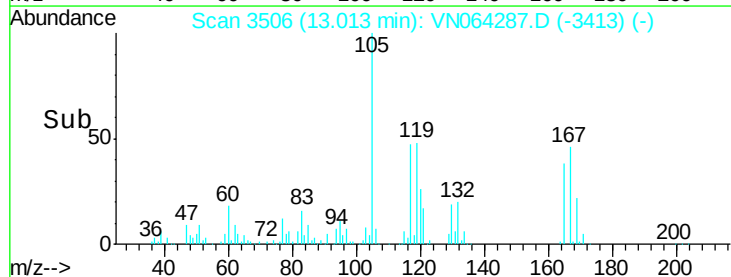
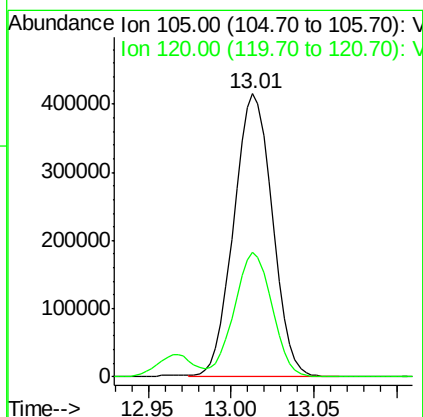
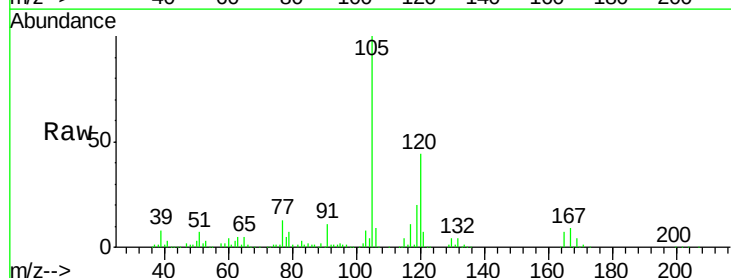
Manual Integrations
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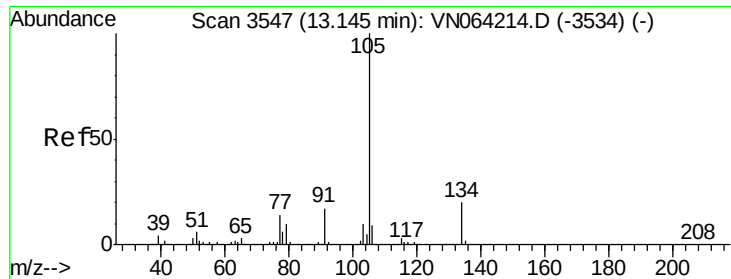
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#84
1,2,4-Trimethylbenzene
Concen: 51.309 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.5	64.5





#85

sec-Butylbenzene

Concen: 51.815 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 703992

Ion Ratio Lower Upper

105 100

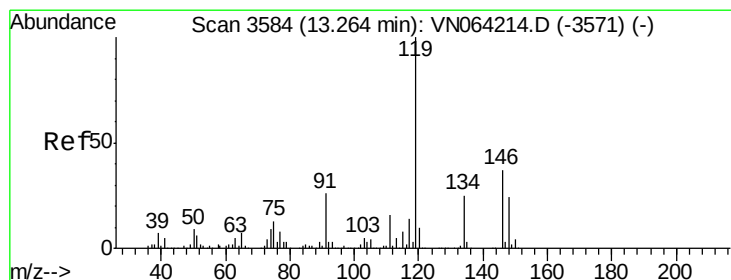
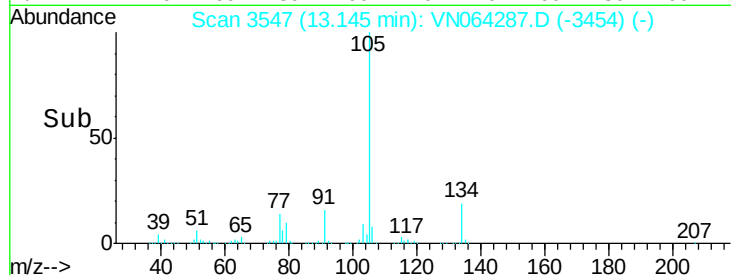
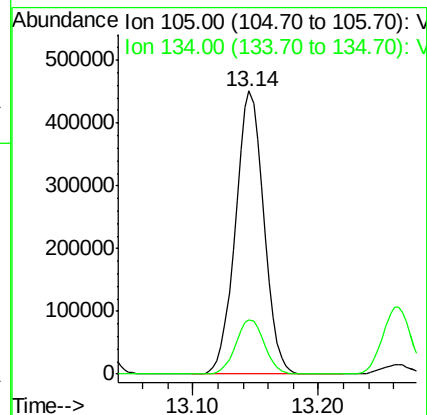
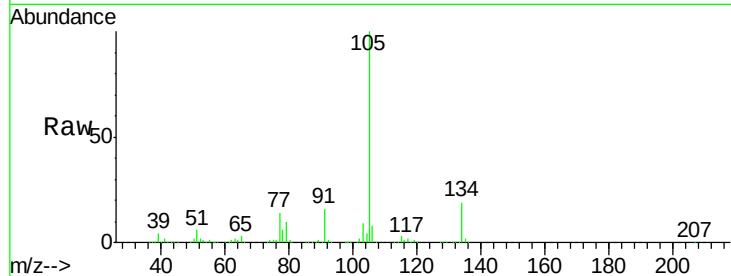
134 19.6 9.7 29.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.623 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

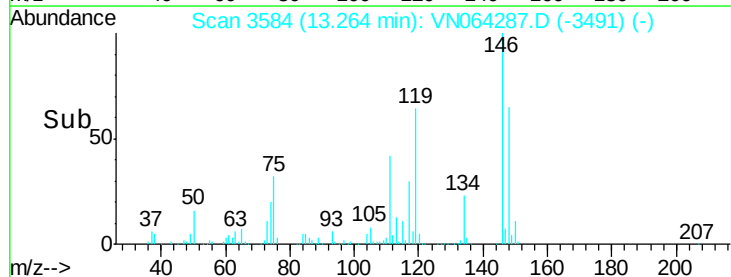
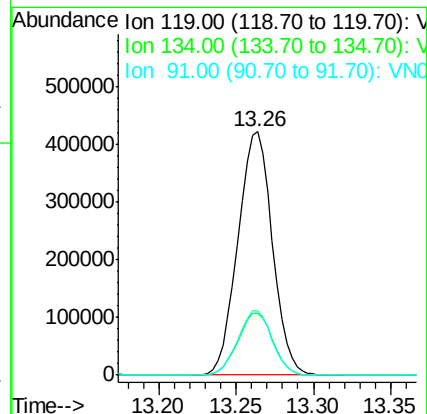
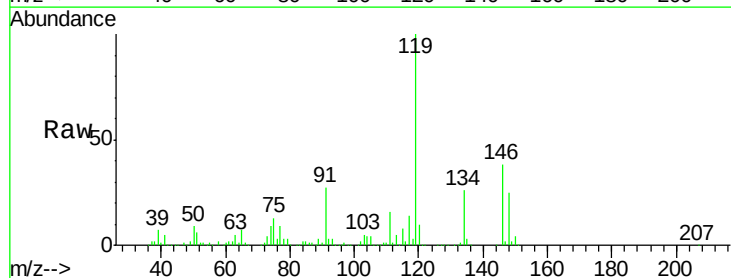
Tgt Ion:119 Resp: 651070

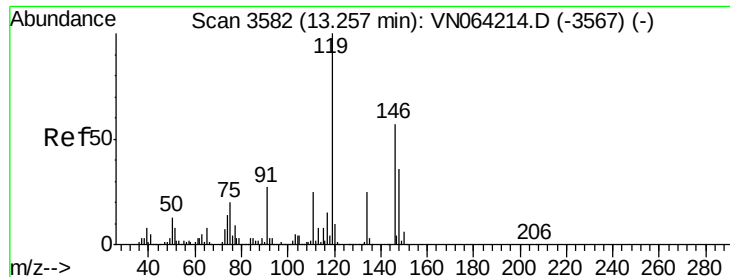
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 26.3 13.4 40.2





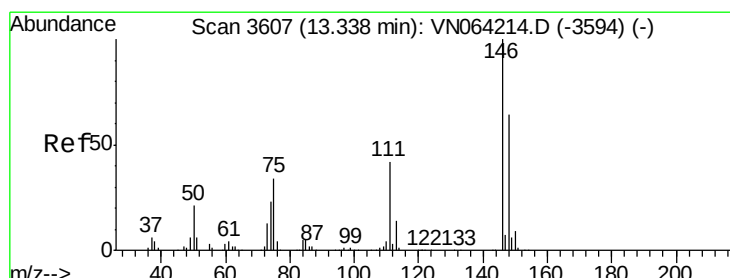
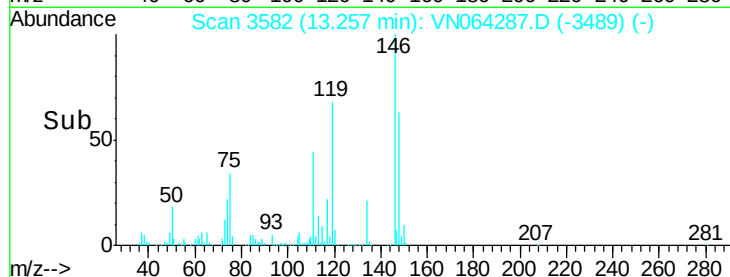
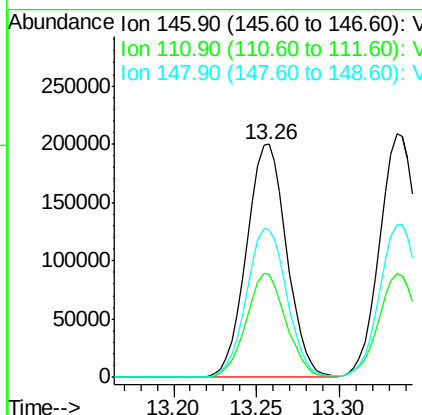
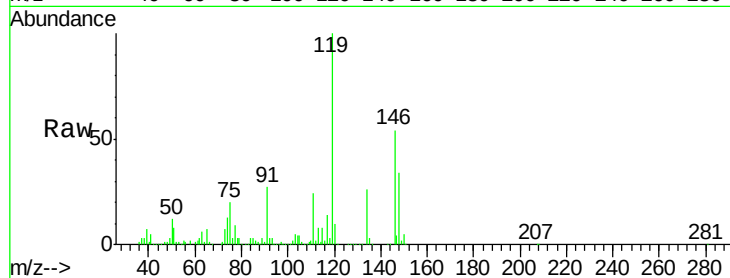
#87
 1,3-Dichlorobenzene
 Concen: 51.605 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	65.0
148	64.3	31.7	95.1

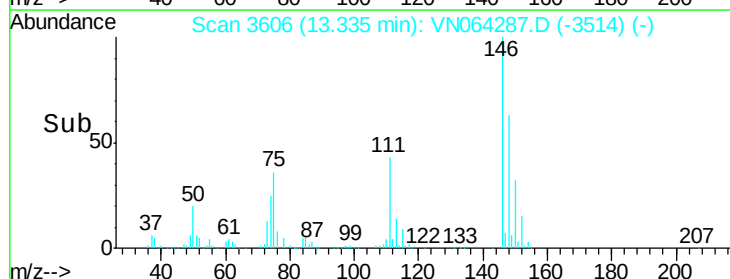
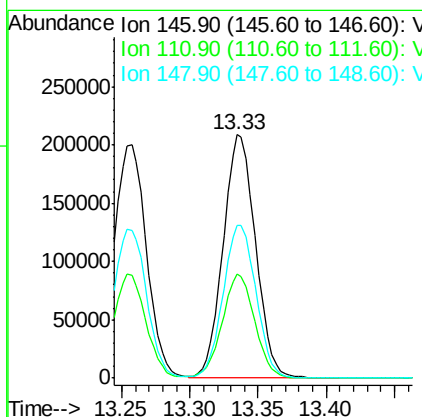
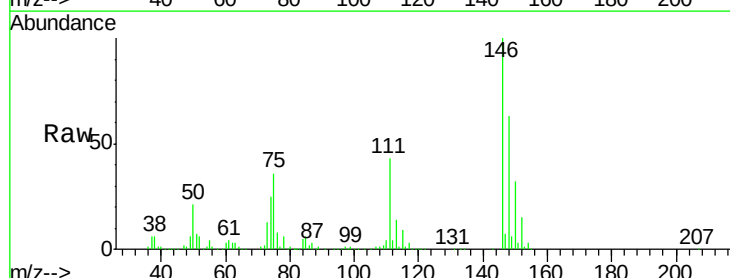
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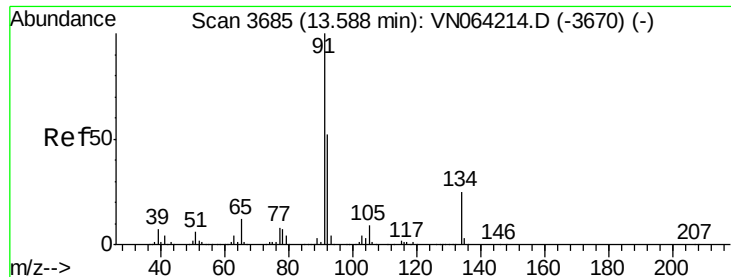
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#88
 1,4-Dichlorobenzene
 Concen: 51.283 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.5	64.5
148	63.9	32.0	96.0





#89

n-Butylbenzene

Concen: 52.378 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Instrument :

MSVOA_N

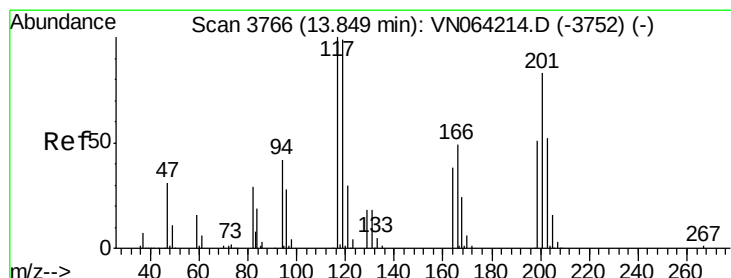
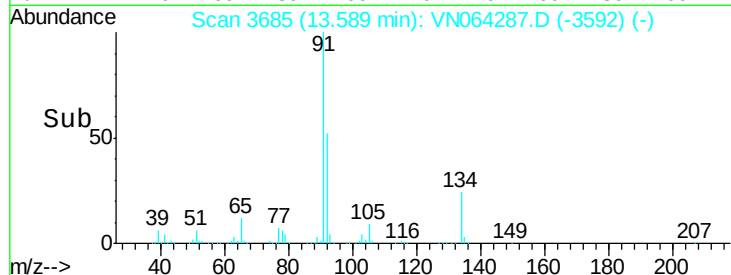
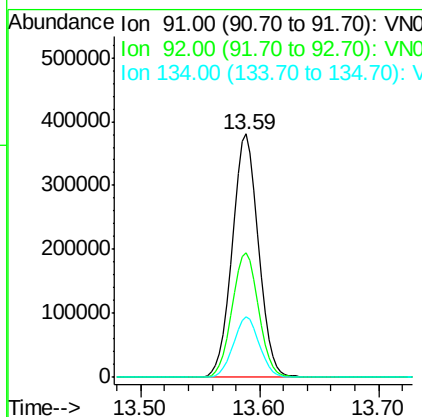
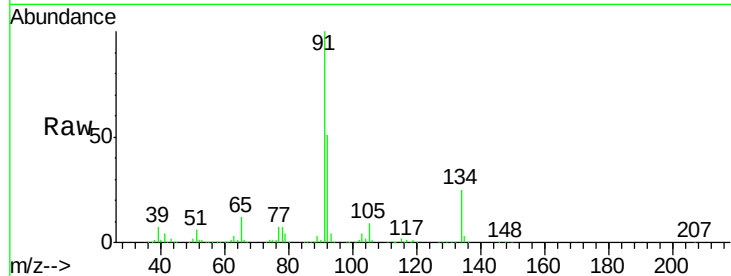
ClientSampleId :

VSTDCCC050

Tot Ion:	91	Resp:	580909
Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.7	77.0
134	24.7	12.3	36.8

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#90

Hexachloroethane

Concen: 48.876 ug/l

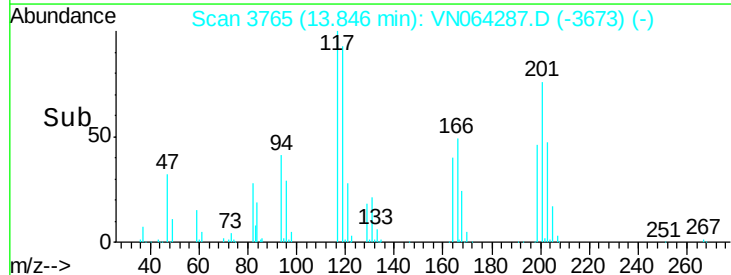
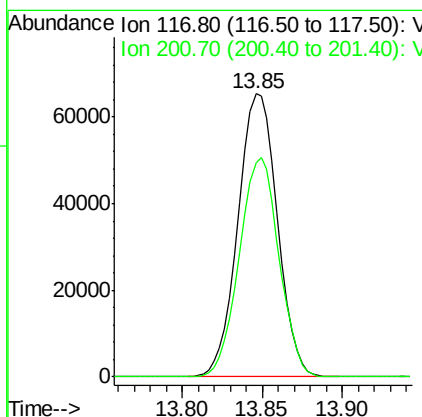
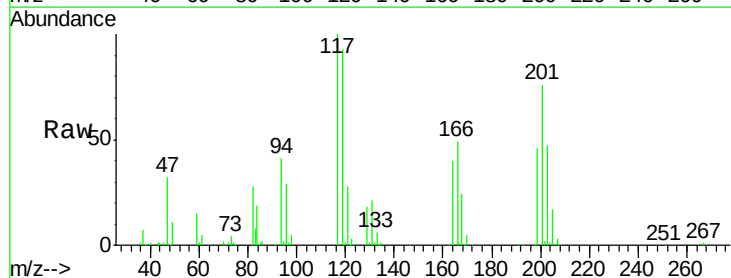
RT: 13.85 min Scan# 3765

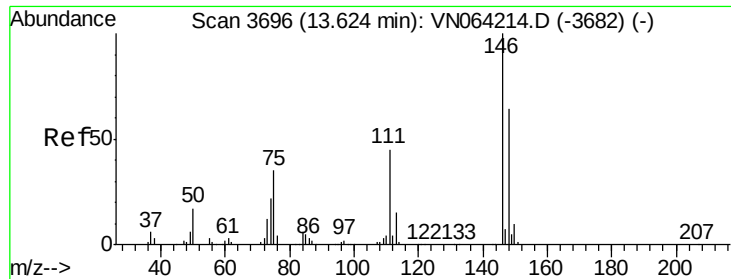
Delta R.T. -0.00 min

Lab File: VN064287.D

Acq: 23 Oct 2020 15:32

Tgt Ion:	117	Resp:	109517
Ion	Ratio	Lower	Upper
117	100		
201	78.1	40.1	120.3





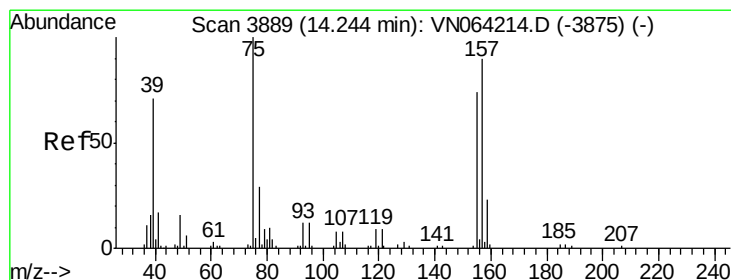
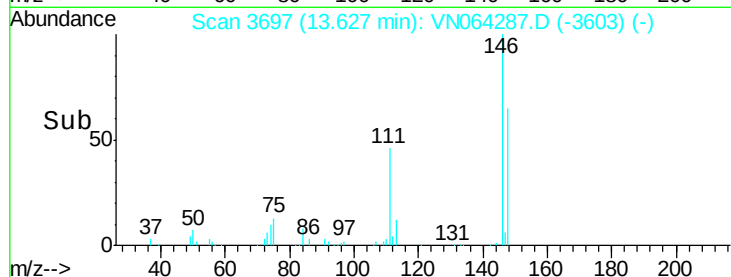
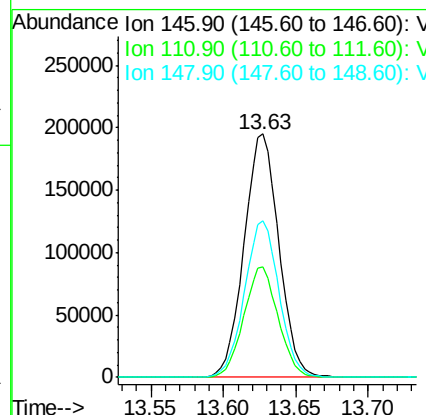
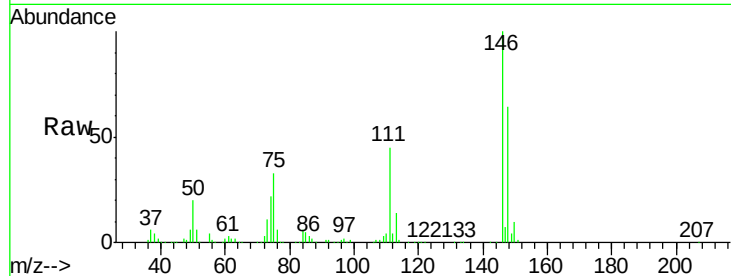
#91
 1,2-Dichlorobenzene
 Concen: 50.858 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.9	68.7
148	63.9	31.9	95.5

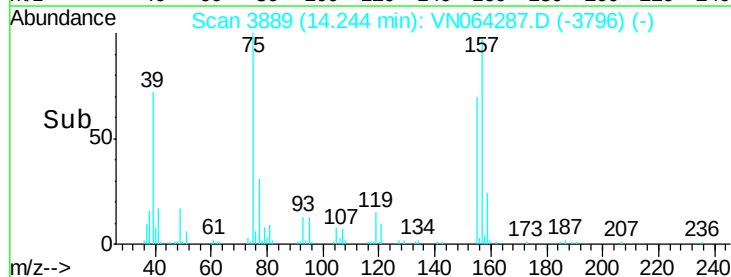
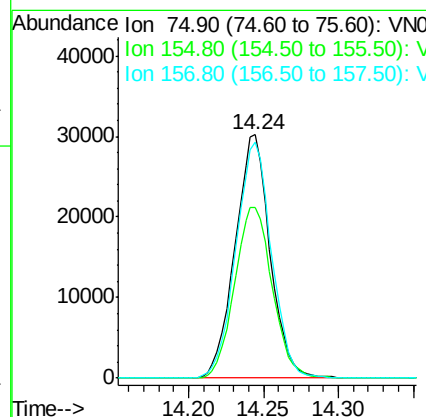
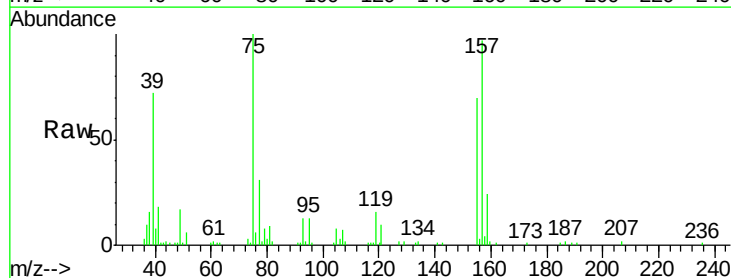
Manual Integrations
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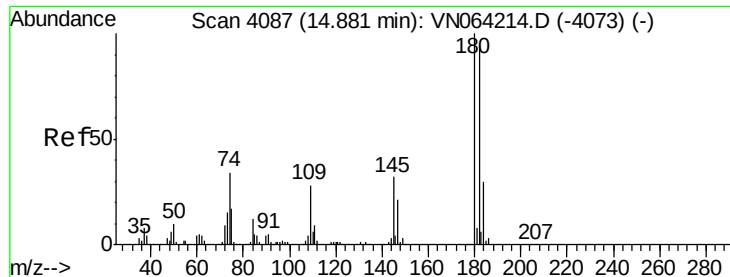
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.848 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.1	36.9	110.7
157	98.2	44.6	133.8





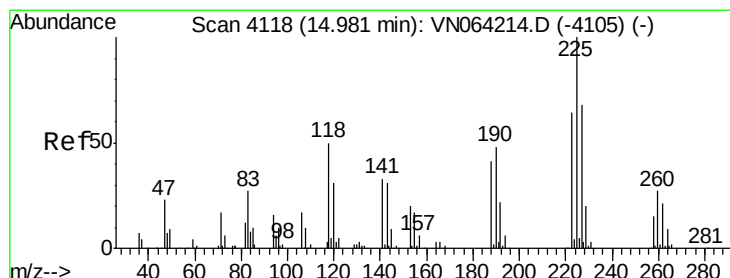
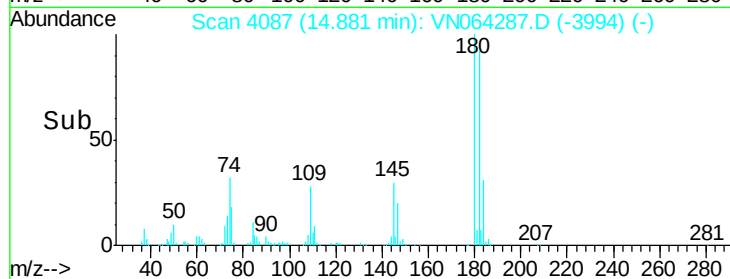
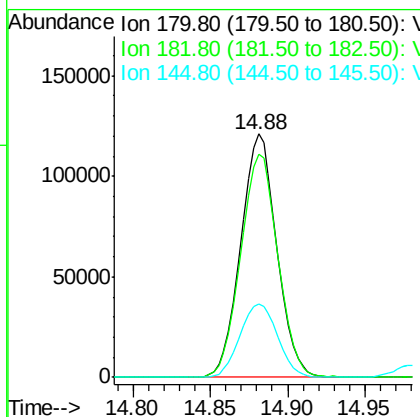
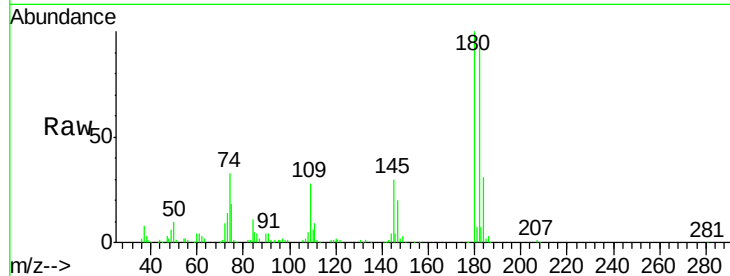
#93
 1,2,4-Trichlorobenzene
 Concen: 54.386 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	195450		
182	95.0	46.9	140.7	
145	31.7	16.1	48.3	

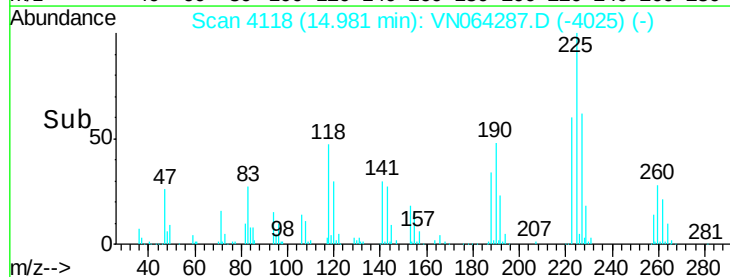
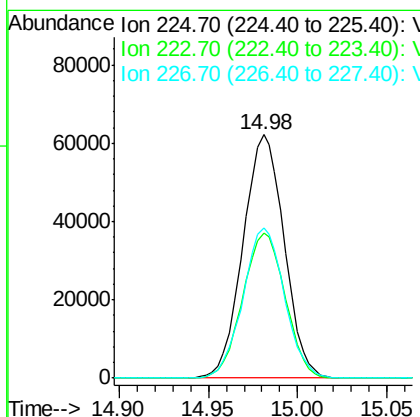
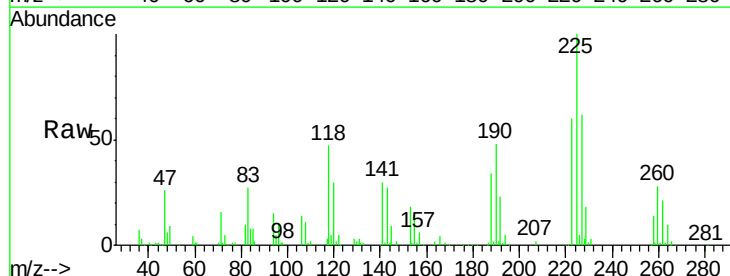
Manual Integrations
 APPROVED

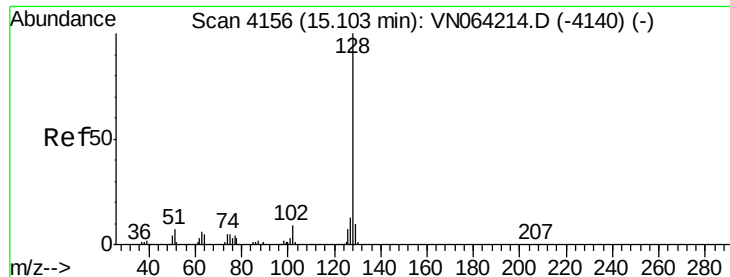
MMDadoda
 10/26/2020 1:38:57 PM



#94
 Hexachlorobutadiene
 Concen: 51.787 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064287.D
 Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	100378		
223	61.5	31.5	94.5	
227	62.1	32.1	96.5	





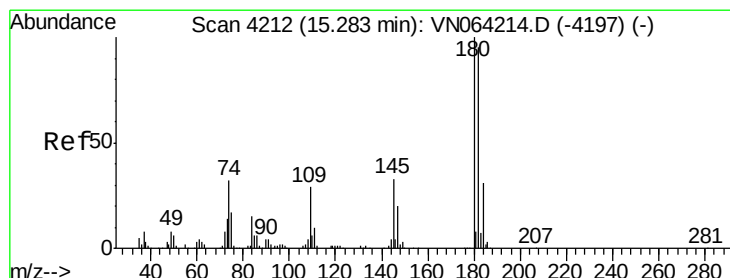
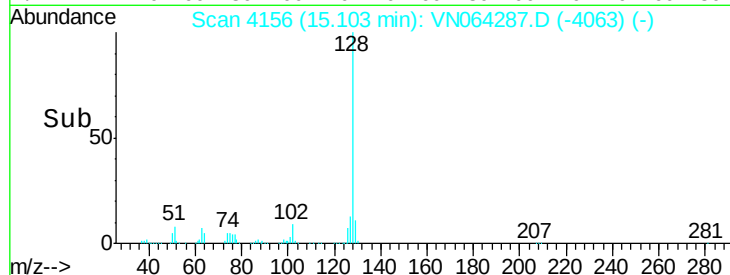
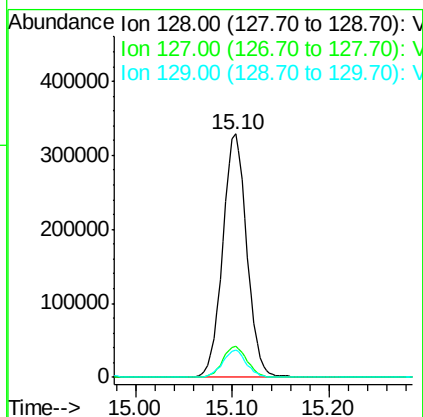
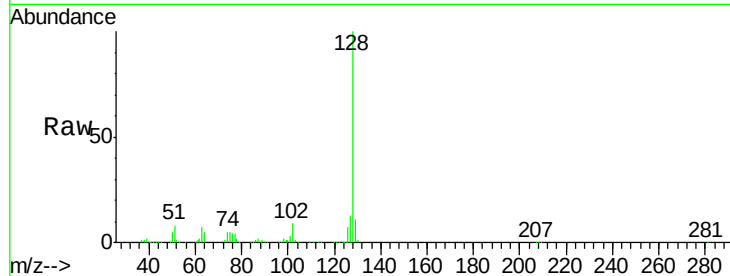
#95
Naphthalene
Concen: 52.943 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/26/2020 1:38:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.879 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN064287.D
Acq: 23 Oct 2020 15:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	48.0	144.2
145	34.5	17.1	51.3

