

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062403.D
 Acq On : 8 Jul 2020 12:15
 Operator : JC/MD
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:54:56 AM

Quant Time: Jul 08 12:36:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 11:45:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	196112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	341143	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	322444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	152251	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	470262	136.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.48%	
35) Dibromofluoromethane	7.55	113	329550	144.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	288.62%	
50) Toluene-d8	10.06	98	1328580	154.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	309.98%	
62) 4-Bromofluorobenzene	12.38	95	514728	157.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	315.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	305973	139.099	ug/l	97
3) Chloromethane	2.03	50	488572	147.581	ug/l	100
4) Vinyl Chloride	2.16	62	398670	141.590	ug/l	99
5) Bromomethane	2.50	94	208049	142.946	ug/l	97
6) Chloroethane	2.65	64	225971	137.660	ug/l	95
7) Trichlorofluoromethane	2.97	101	512487	134.380	ug/l	99
8) Diethyl Ether	3.37	74	231091	152.076	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	300851	138.574	ug/l	99
10) Methyl Iodide	3.91	142	425695	161.567	ug/l	99
11) Tert butyl alcohol	4.74	59	373007	762.056	ug/l	99
12) 1,1-Dichloroethene	3.69	96	305691	150.206	ug/l	95
13) Acrolein	3.56	56	286199	1138.120	ug/l	100
14) Allyl chloride	4.27	41	747041	152.129	ug/l	100
15) Acrylonitrile	4.93	53	1072268	823.925	ug/l	100
16) Acetone	3.78	43	916185	577.111	ug/l	99
17) Carbon Disulfide	4.00	76	970624	150.526	ug/l	100
18) Methyl Acetate	4.27	43	486243	136.510	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	1192040	154.339	ug/l	99
20) Methylene Chloride	4.50	84	386638	132.563	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	332031	147.546	ug/l	99
22) Diisopropyl ether	5.90	45	1446979	147.776	ug/l	97
23) Vinyl Acetate	5.84	43	6073199	798.592	ug/l	99
24) 1,1-Dichloroethane	5.80	63	737184	150.556	ug/l	100
25) 2-Butanone	6.79	43	1482300	728.674	ug/l	100
26) 2,2-Dichloropropane	6.77	77	565533	142.119	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	396204	154.192	ug/l	100
28) Bromochloromethane	7.15	49	405804	150.838	ug/l	100
29) Tetrahydrofuran	7.17	42	987149	760.172	ug/l	99
30) Chloroform	7.33	83	672306	142.179	ug/l	99
31) Cyclohexane	7.61	56	669351	147.498	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	563418	142.361	ug/l	99
36) 1,1-Dichloropropene	7.75	75	534315	147.931	ug/l	99
37) Ethyl Acetate	6.88	43	610700	145.275	ug/l	100
38) Carbon Tetrachloride	7.73	117	482556	135.376	ug/l	99

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	594805	152.989	ug/l	99
40) Benzene	8.00	78	1561747	151.999	ug/l	99
41) Methacrylonitrile	7.13	41	287701	137.407	ug/l	97
42) 1,2-Dichloroethane	8.09	62	581024	131.663	ug/l	100
43) Isopropyl Acetate	8.13	43	1039947	148.101	ug/l	99
44) Trichloroethene	8.80	130	351105	143.980	ug/l	98
45) 1,2-Dichloropropane	9.09	63	456424	151.476	ug/l	99
46) Dibromomethane	9.18	93	259692	141.204	ug/l	98
47) Bromodichloromethane	9.37	83	564504	143.889	ug/l	99
48) Methyl methacrylate	9.17	41	513432	143.862	ug/l	99
49) 1,4-Dioxane	9.17	88	144894	2954.764	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	3066822	809.849	ug/l	98
52) Toluene	10.12	92	935219	153.576	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	667725	158.077	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	710590	156.296	ug/l	98
55) 1,1,2-Trichloroethane	10.54	97	363803	148.210	ug/l	98
56) Ethyl methacrylate	10.40	69	670451	169.211	ug/l	99
57) 1,3-Dichloropropane	10.68	76	683153	150.421	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	1255981	895.690	ug/l	99
59) 2-Hexanone	10.72	43	2288030	804.652	ug/l	99
60) Dibromochloromethane	10.87	129	409885	148.221	ug/l	100
61) 1,2-Dibromoethane	10.98	107	381782	152.223	ug/l	99
64) Tetrachloroethene	10.60	164	285453	137.295	ug/l	96
65) Chlorobenzene	11.41	112	974161	146.650	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	360520	144.660	ug/l	99
67) Ethyl Benzene	11.48	91	1854611	157.805	ug/l	98
68) m/p-Xylenes	11.60	106	1334611	310.607	ug/l	98
69) o-Xylene	11.92	106	650008	153.362	ug/l	99
70) Styrene	11.94	104	1138041	162.470	ug/l	99
71) Bromoform	12.10	173	287339	147.799	ug/l #	99
73) Isopropylbenzene	12.22	105	1742783	152.573	ug/l	100
74) N-amyl acetate	12.05	43	960201	158.680	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	572350	143.034	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	562609m	152.888	ug/l	
77) Bromobenzene	12.50	156	401166	149.036	ug/l	99
78) n-propylbenzene	12.57	91	2115986	162.275	ug/l	100
79) 2-Chlorotoluene	12.65	91	1257375	151.759	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1505071	157.321	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	221140	167.129	ug/l	98
82) 4-Chlorotoluene	12.75	91	1333572	157.660	ug/l	100
83) tert-Butylbenzene	12.97	119	1250707	153.375	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	1519432	160.462	ug/l	100
85) sec-Butylbenzene	13.15	105	1702626	163.543	ug/l	100
86) p-Isopropyltoluene	13.26	119	1508036	160.868	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	728276	151.021	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	726903	145.918	ug/l	99
89) n-Butylbenzene	13.59	91	1412966	174.858	ug/l	100
90) Hexachloroethane	13.85	117	292333	147.110	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	683129	147.834	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	122171	158.013	ug/l	99

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ClientSampleId :
VSTDICC150

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Quant Title : SW846 8260
QLast Update : Wed Jul 08 11:45:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	407265	188.274	ug/l	98
94) Hexachlorobutadiene	14.98	225	179318	132.477	ug/l	99
95) Naphthalene	15.10	128	1143447	199.434	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	393676	177.379	ug/l	99

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

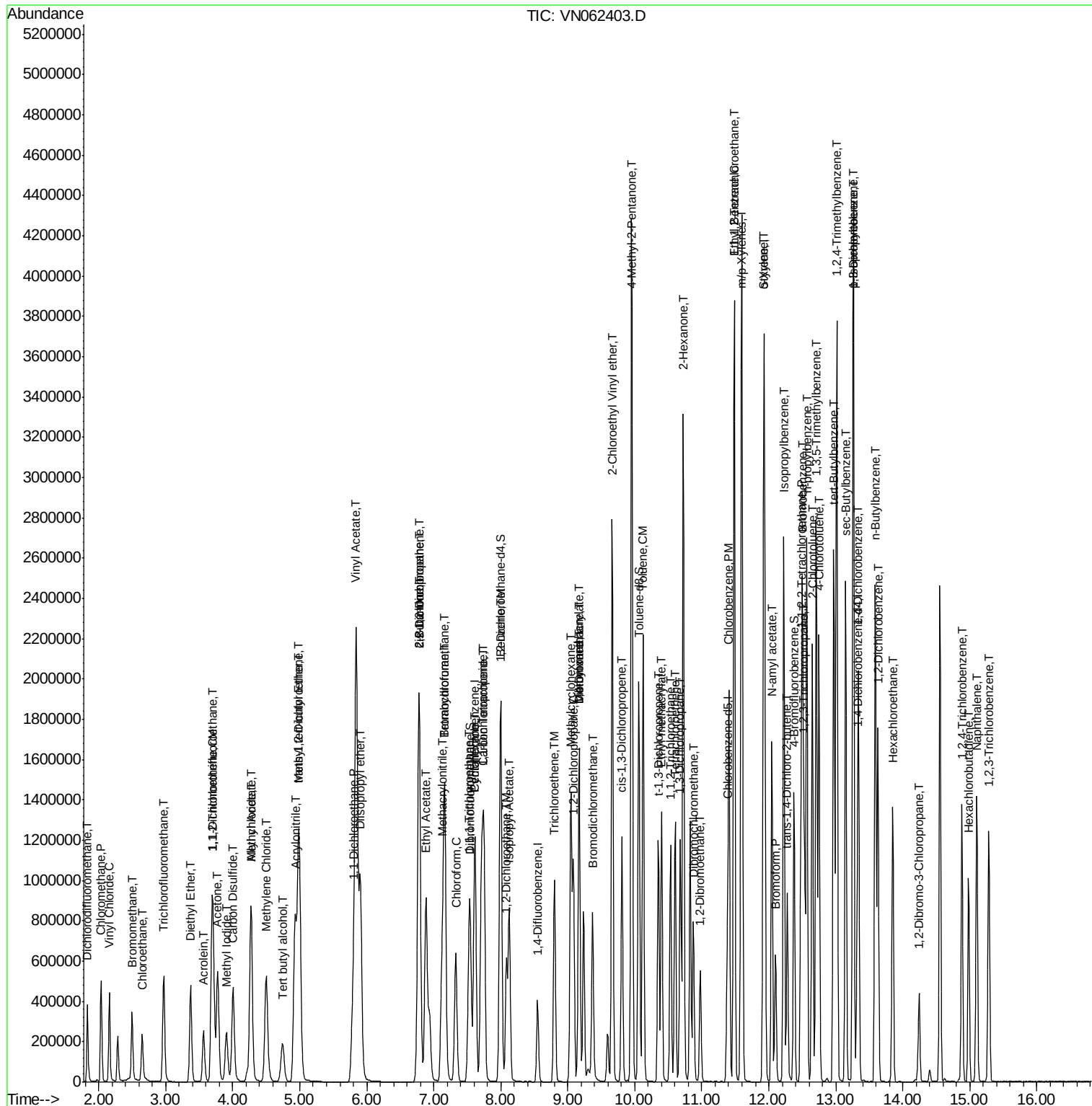
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070820\
Data File : VN062403.D
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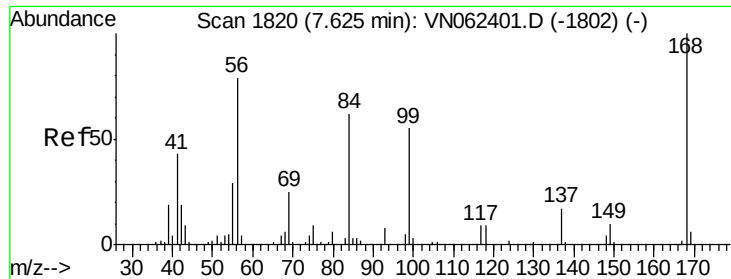
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
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MMDadoda
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 196112

Ion Ratio Lower Upper

168 100

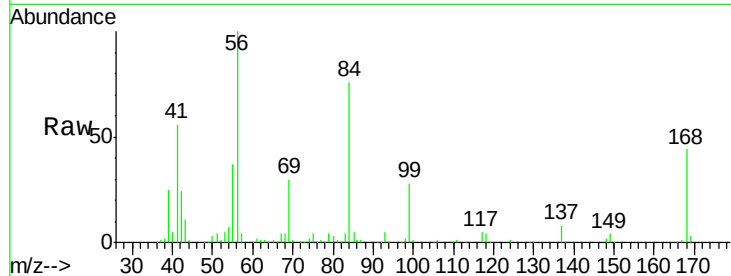
99 62.9 48.8 73.2

Manual Integrations

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7/9/2020 10:54:56 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

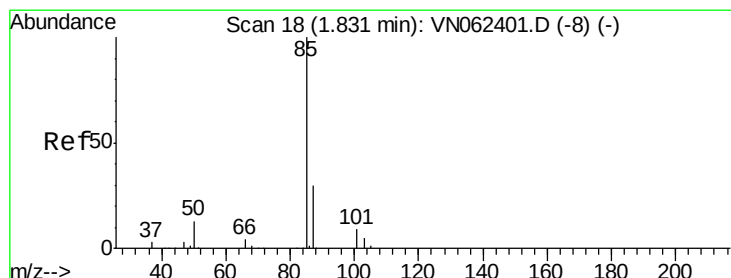
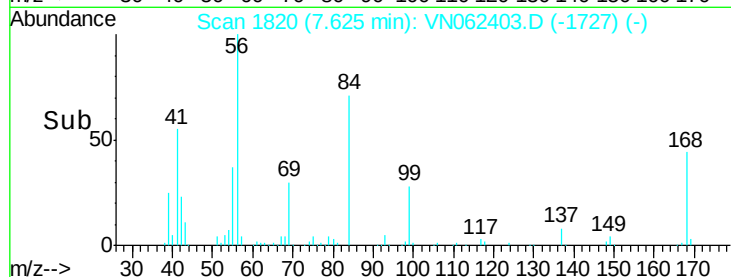
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 139.099 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062403.D

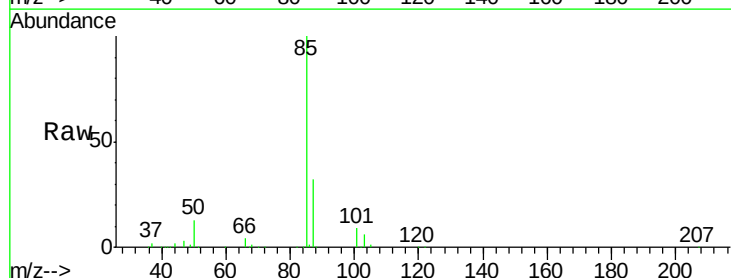
Acq: 8 Jul 2020 12:15

Tgt Ion: 85 Resp: 305973

Ion Ratio Lower Upper

85 100

87 32.2 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

250000

200000

150000

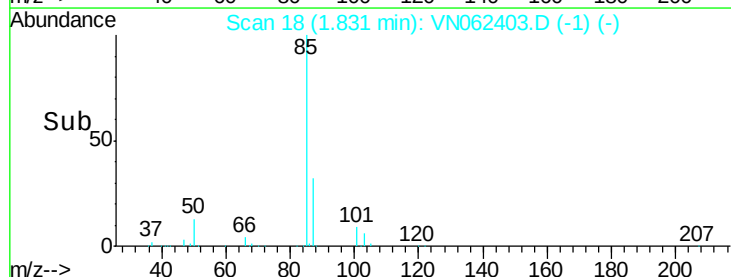
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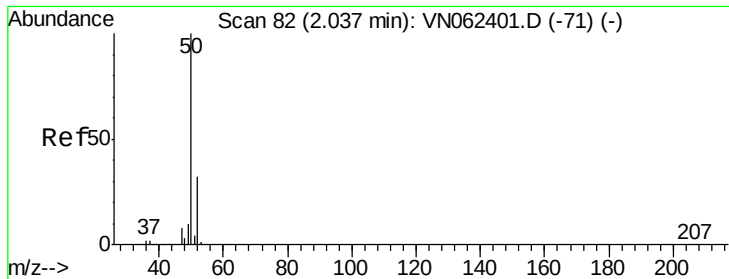
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 147.581 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 488572

Ion Ratio Lower Upper

50 100

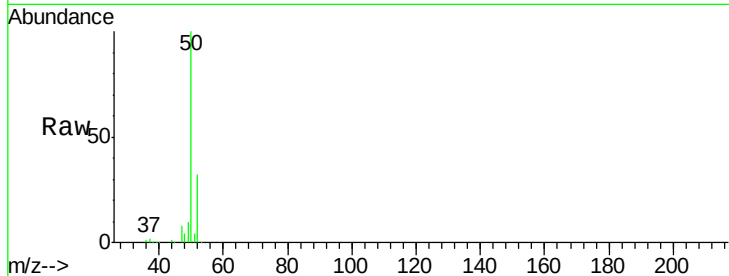
52 32.1 25.5 38.3

Manual Integrations

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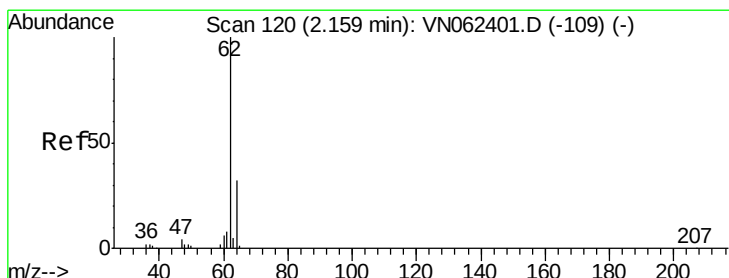
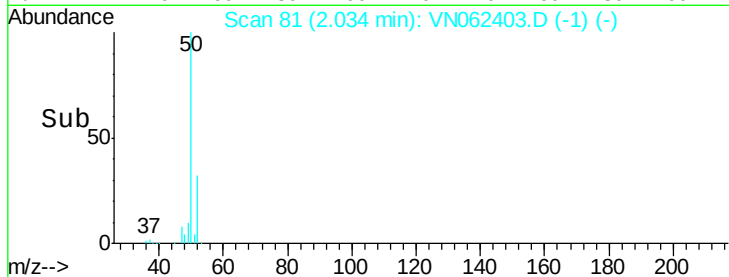
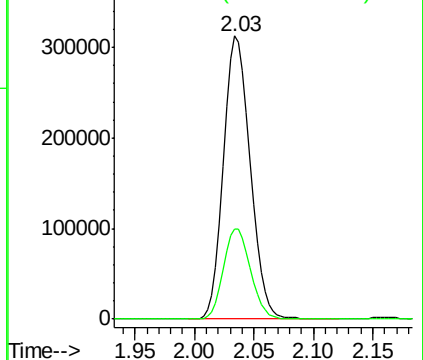
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 141.590 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062403.D

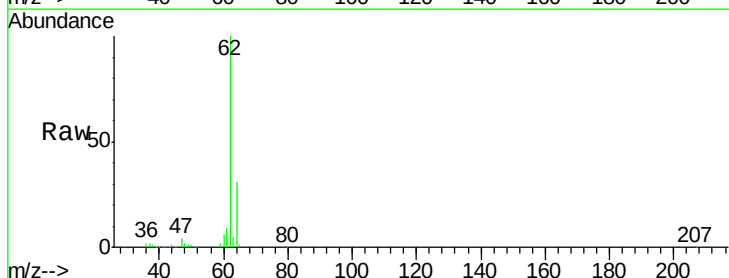
Acq: 8 Jul 2020 12:15

Tgt Ion: 62 Resp: 398670

Ion Ratio Lower Upper

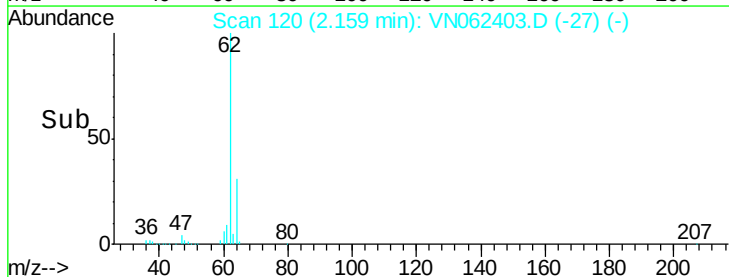
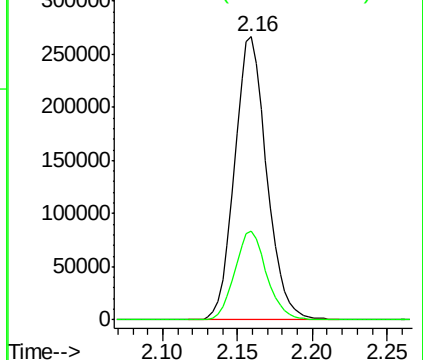
62 100

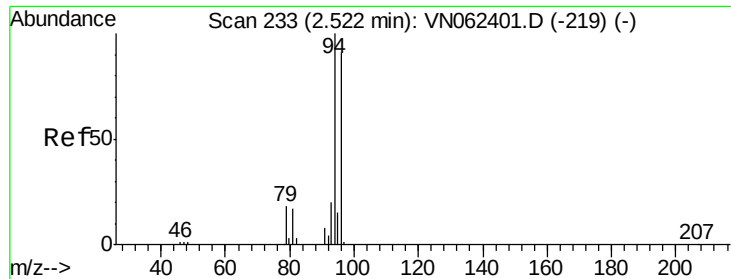
64 31.3 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 142.946 ug/l

RT: 2.50 min Scan# 225

Delta R.T. -0.03 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 94 Resp: 208049

Ion Ratio Lower Upper

94 100

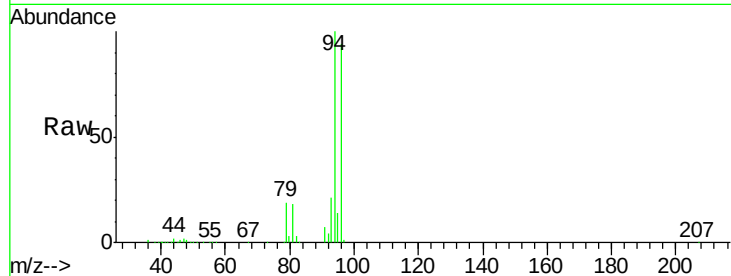
96 94.4 73.2 109.8

Manual Integrations

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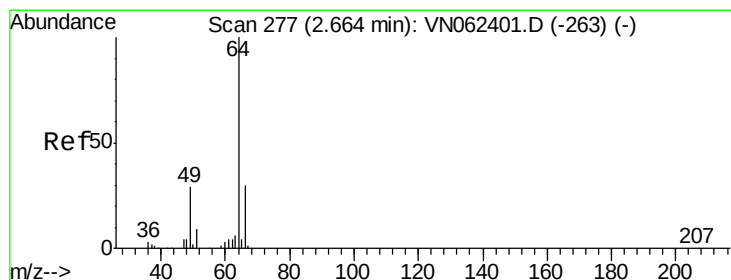
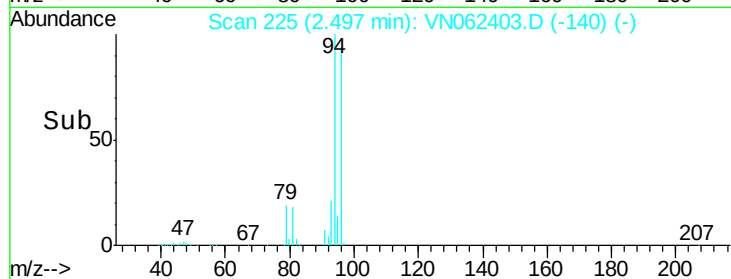
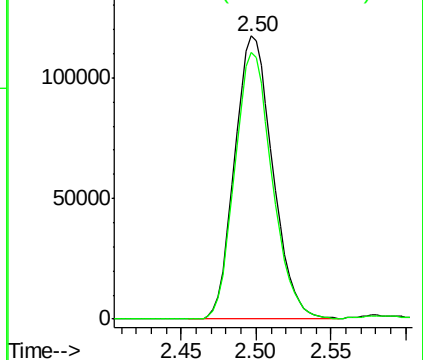
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 137.660 ug/l

RT: 2.65 min Scan# 272

Delta R.T. -0.02 min

Lab File: VN062403.D

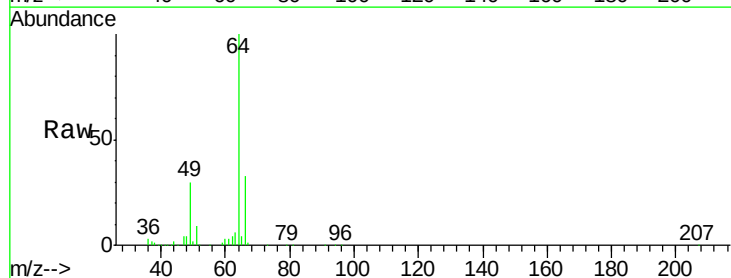
Acq: 8 Jul 2020 12:15

Tgt Ion: 64 Resp: 225971

Ion Ratio Lower Upper

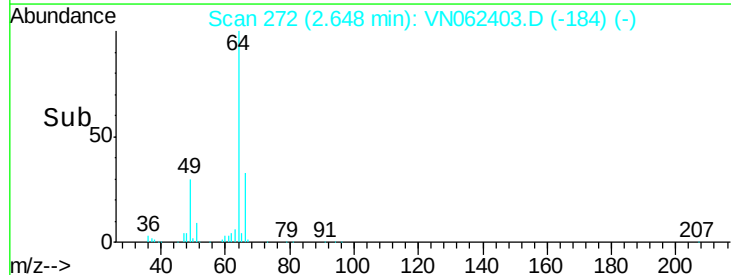
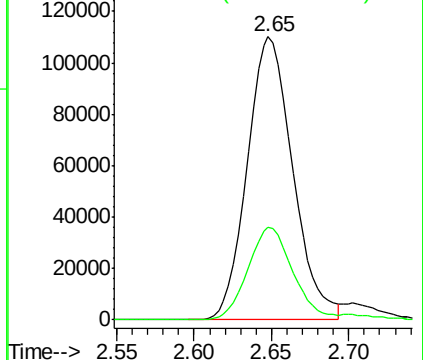
64 100

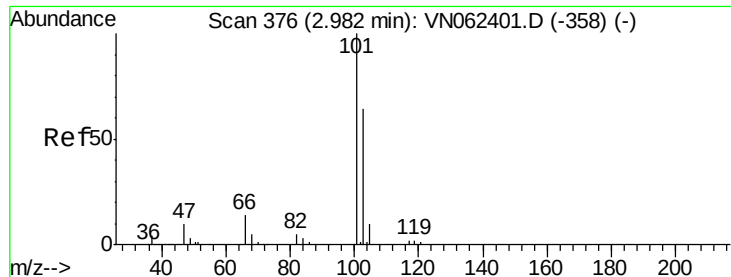
66 32.8 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

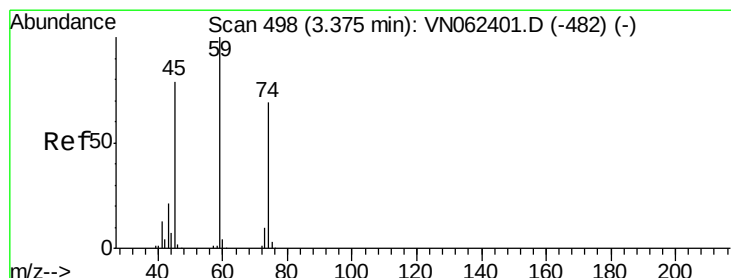
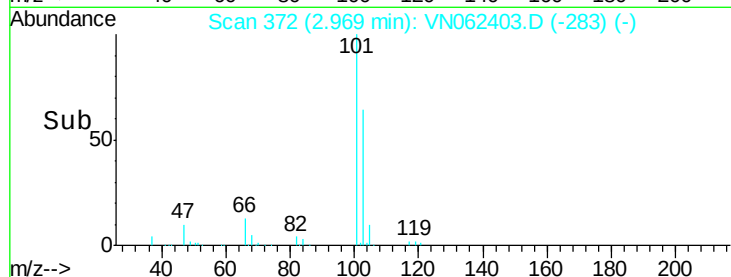
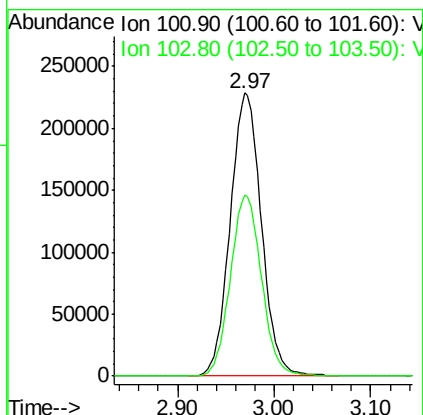
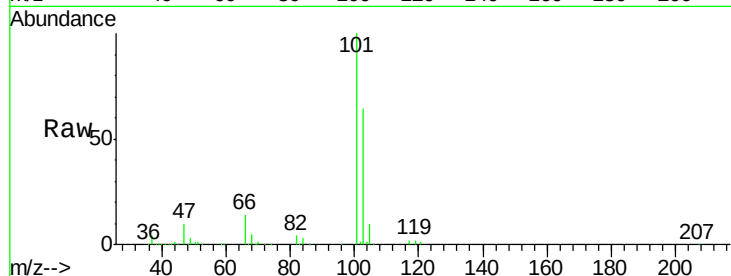
Trichlorofluoromethane
Concen: 134.380 ug/l
RT: 2.97 min Scan# 372
Delta R.T. -0.01 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	51.6	77.4

Manual Integrations
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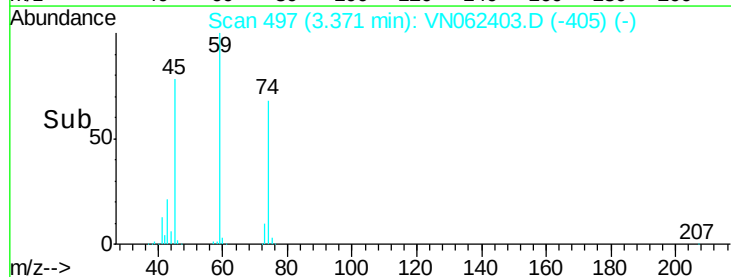
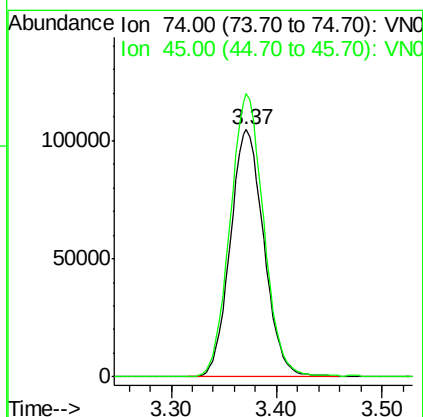
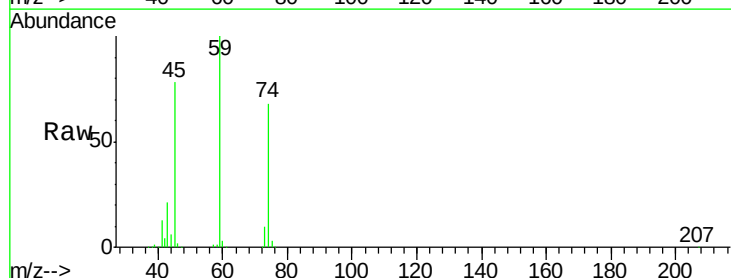
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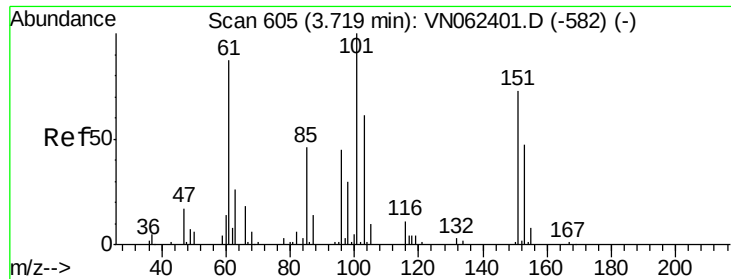


#8

Diethyl Ether
Concen: 152.076 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.7	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 138.574 ug/l

RT: 3.71 min Scan# 602

Delta R.T. -0.01 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

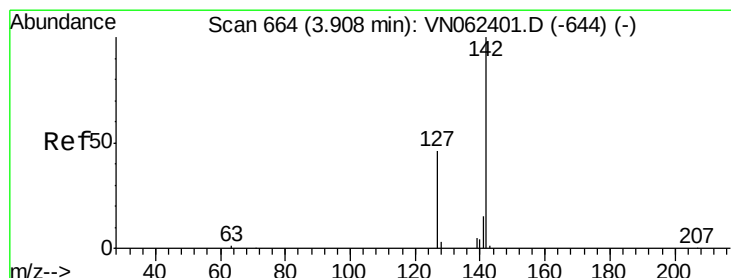
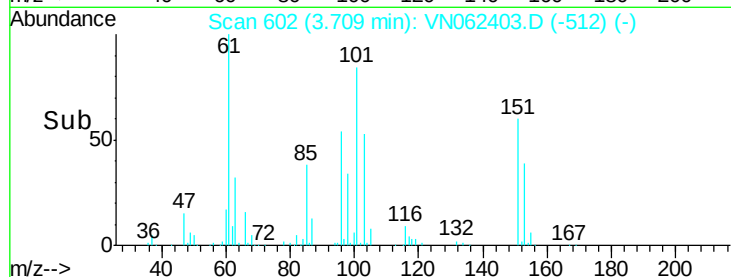
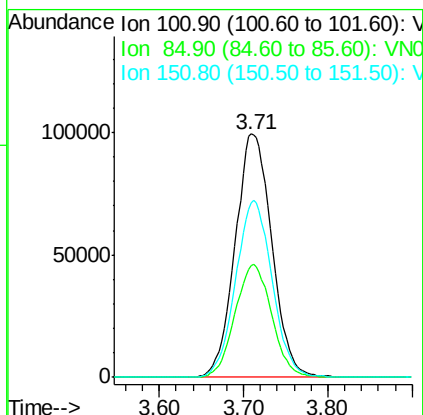
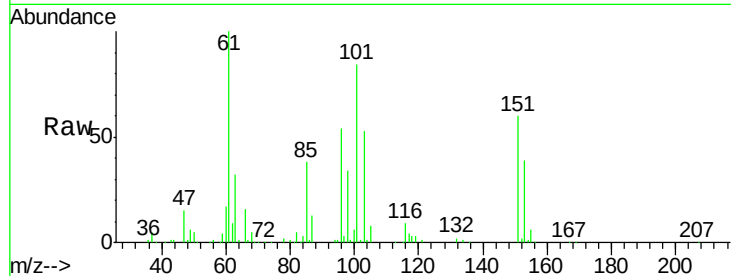
ClientSampled :

VSTDIC150

Tot Ion:	101	Resp:	300851
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.7	55.1
151	72.6	58.3	87.5

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#10

Methyl Iodide

Concen: 161.567 ug/l

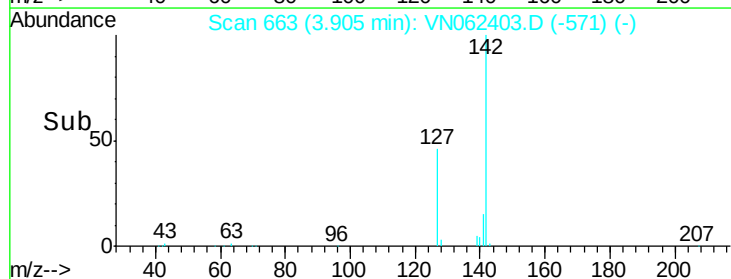
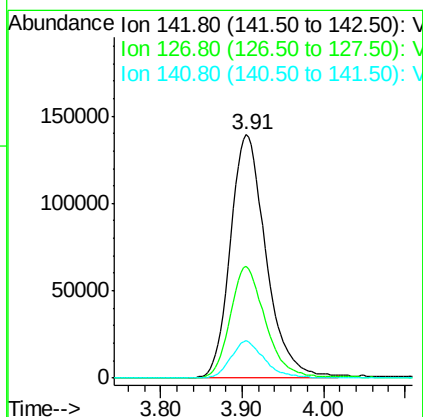
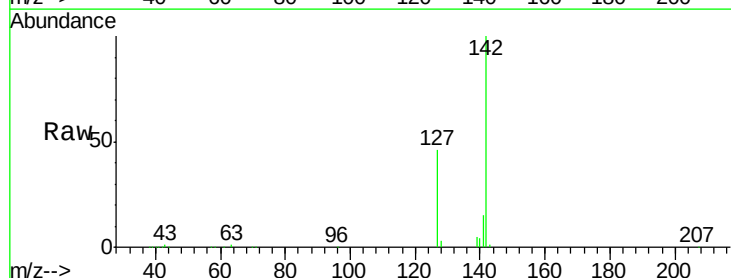
RT: 3.91 min Scan# 663

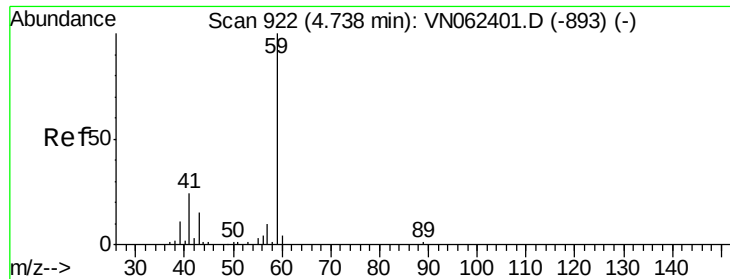
Delta R.T. -0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Tgt Ion:	142	Resp:	425695
Ion Ratio	Lower	Upper	
142	100		
127	45.4	36.1	54.1
141	14.6	11.4	17.0





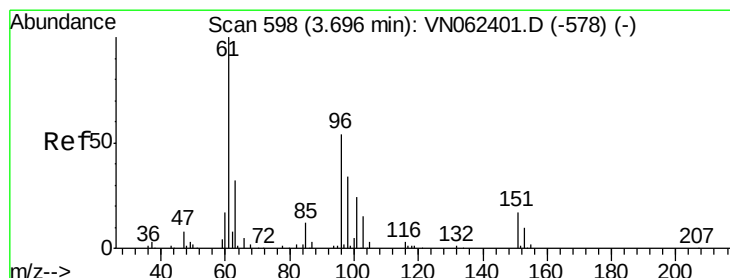
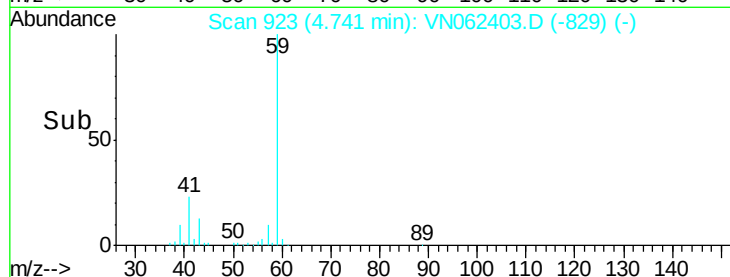
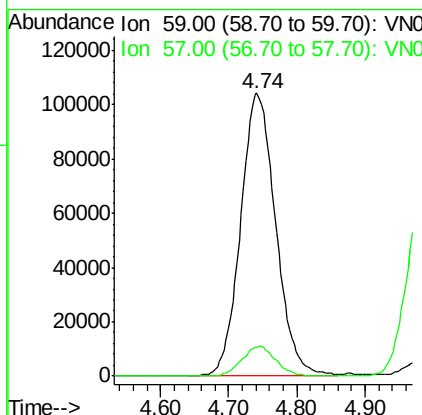
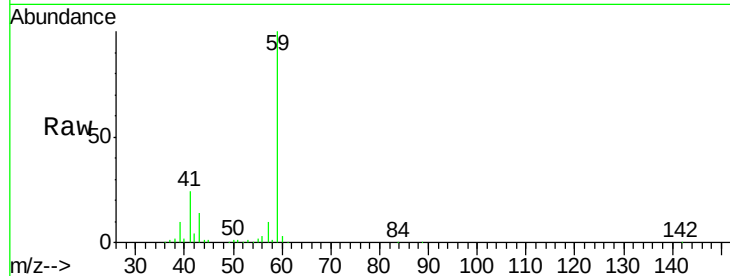
#11
Tert butyl alcohol
Concen: 762.056 ug/l
RT: 4.74 min Scan# 923
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 59 Resp: 373007
Ion Ratio Lower Upper
59 100
57 10.2 7.8 11.6

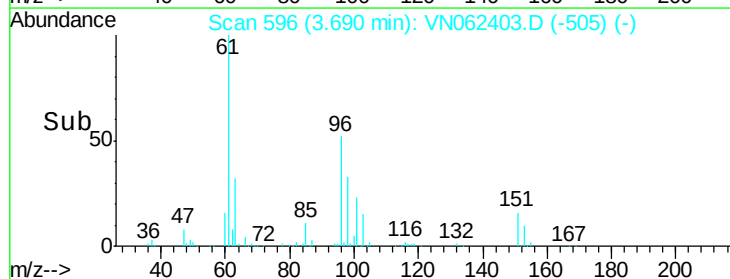
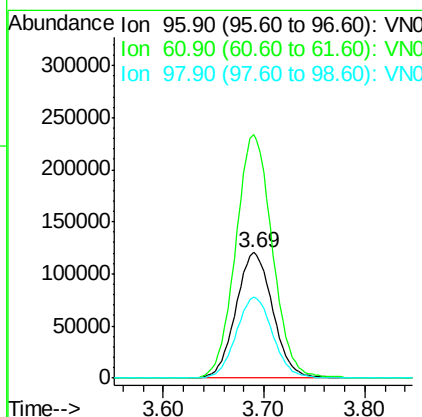
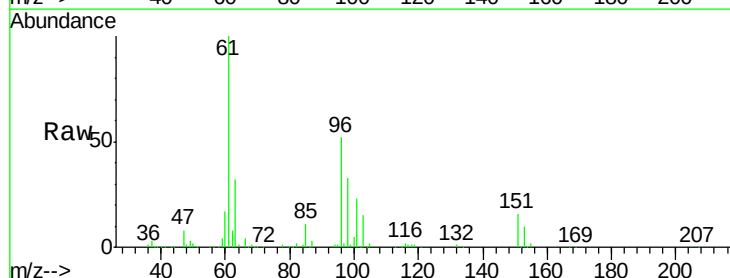
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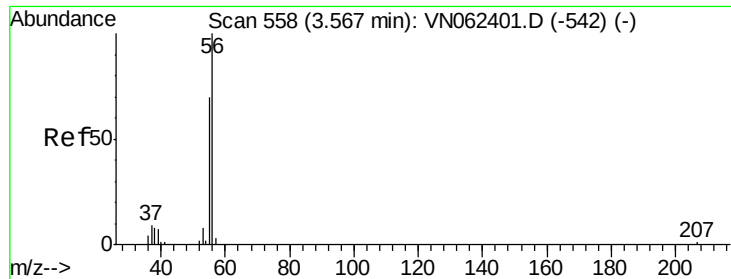
MMDadoda
7/9/2020 10:54:56 AM



#12
1,1-Dichloroethene
Concen: 150.206 ug/l
RT: 3.69 min Scan# 596
Delta R.T. -0.01 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion: 96 Resp: 305691
Ion Ratio Lower Upper
96 100
61 193.8 147.4 221.0
98 64.2 50.4 75.6





#13

Acrolein

Concen: 1138.120 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 56 Resp: 286199

Ion Ratio Lower Upper

56 100

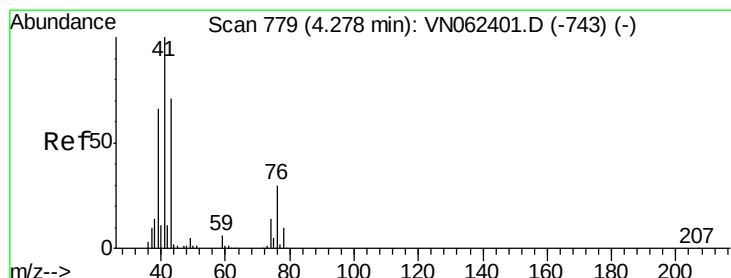
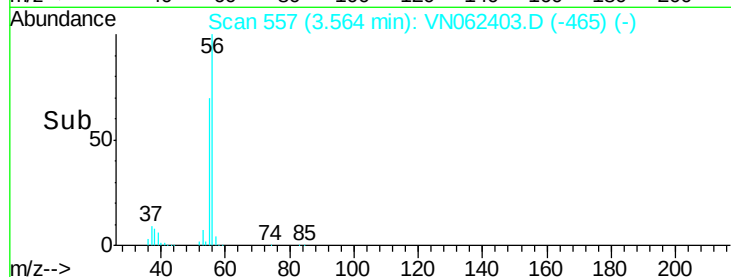
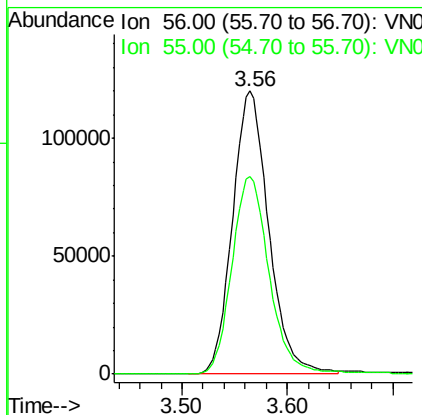
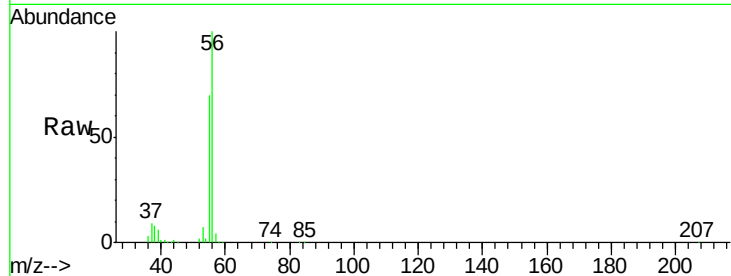
55 71.2 57.2 85.8

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#14

Allyl chloride

Concen: 152.129 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.01 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

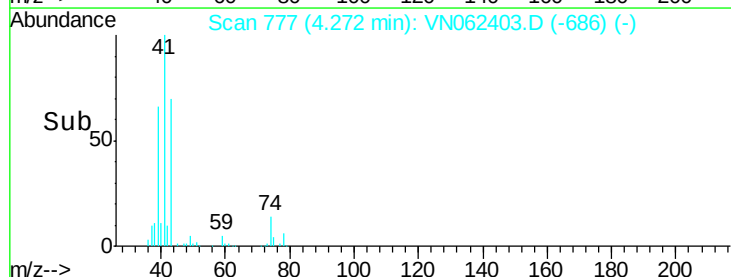
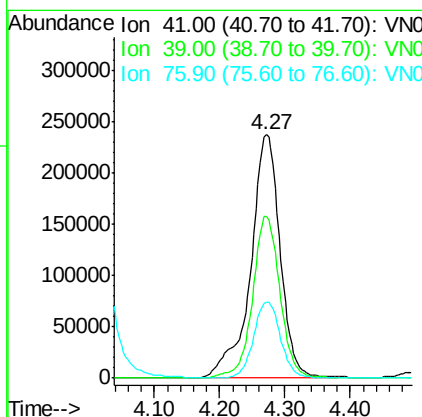
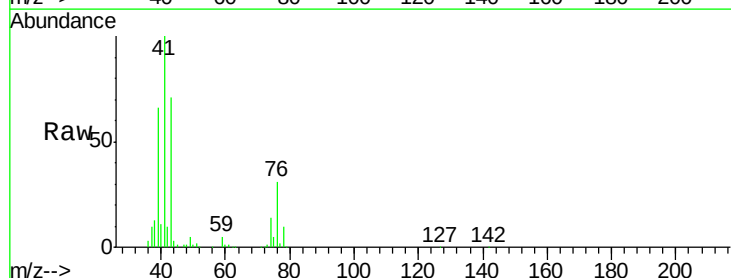
Tgt Ion: 41 Resp: 747041

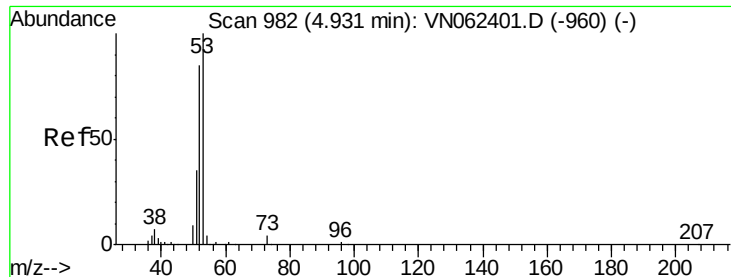
Ion Ratio Lower Upper

41 100

39 61.6 49.6 74.4

76 27.9 22.2 33.4





#15

Acrylonitrile

Concen: 823.925 ug/l

RT: 4.93 min Scan# 981

Delta R.T. -0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1072268

Ion Ratio Lower Upper

53 100

52 82.4 66.2 99.4

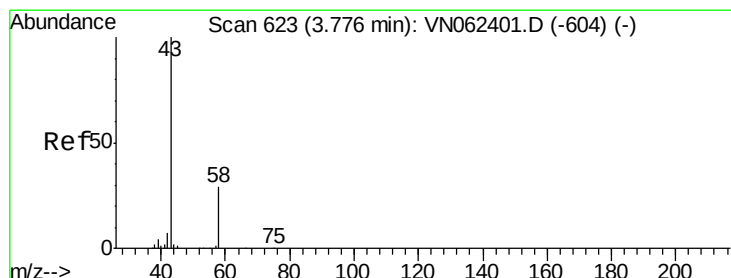
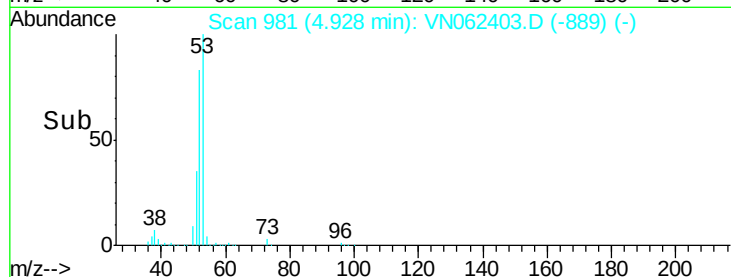
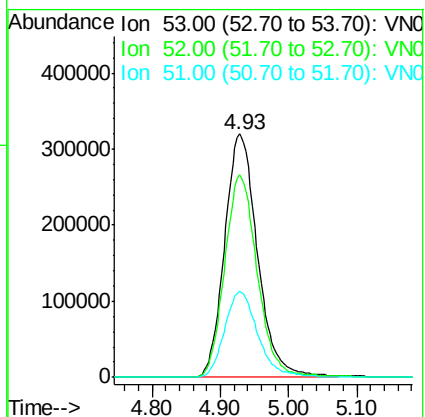
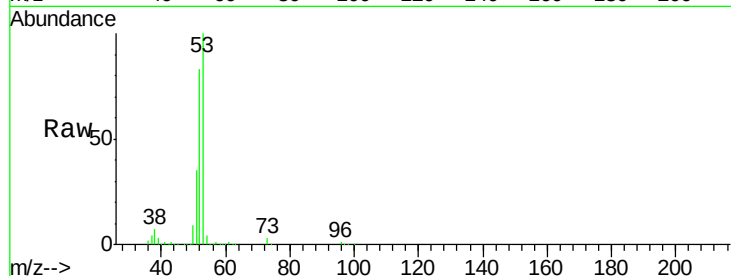
51 36.0 28.7 43.1

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#16

Acetone

Concen: 577.111 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062403.D

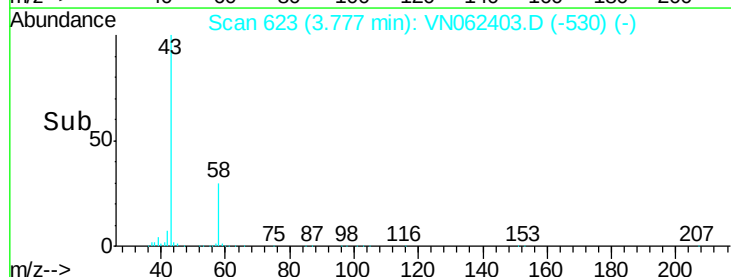
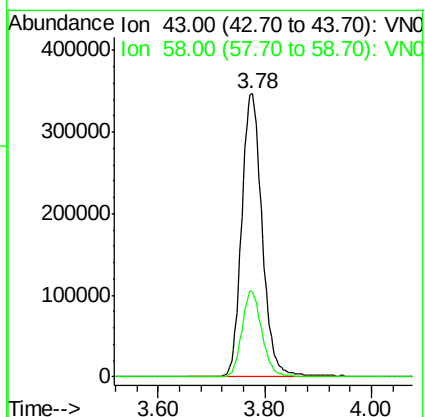
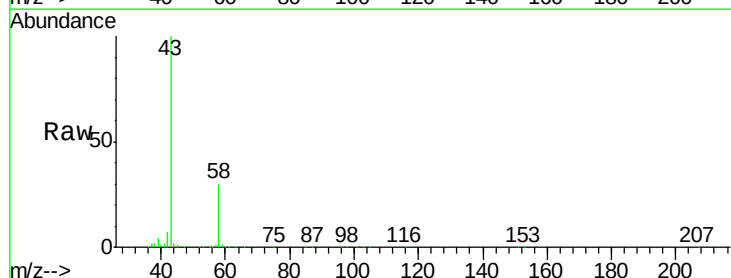
Acq: 8 Jul 2020 12:15

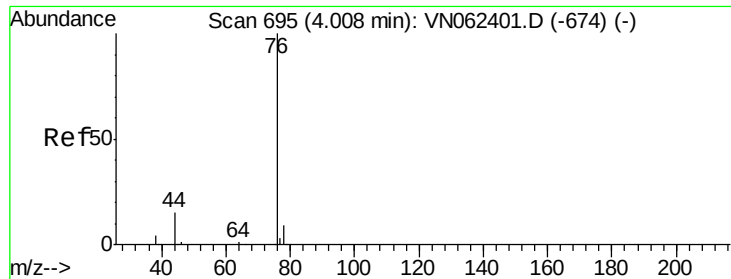
Tgt Ion: 43 Resp: 916185

Ion Ratio Lower Upper

43 100

58 30.1 23.5 35.3





#17

Carbon Disulfide

Concen: 150.526 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 970624

Ion Ratio Lower Upper

76 100

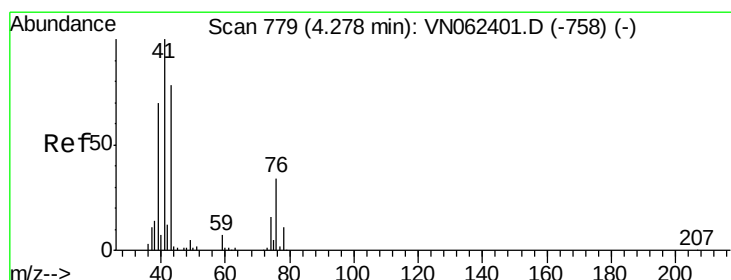
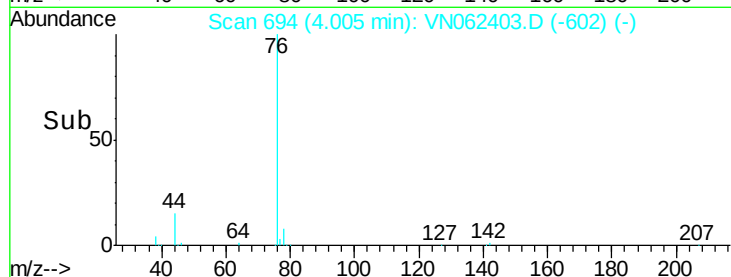
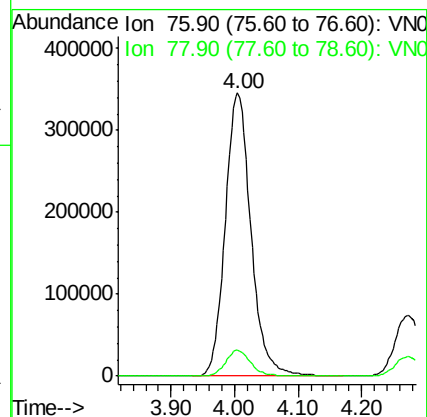
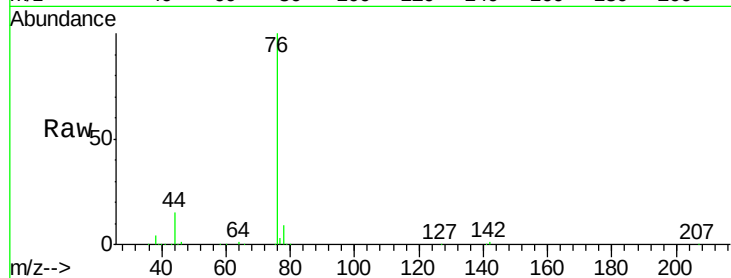
78 9.2 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 136.510 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062403.D

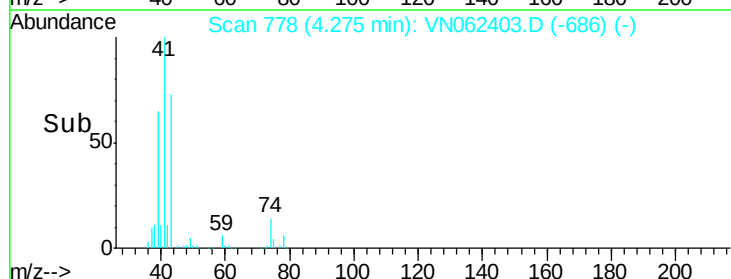
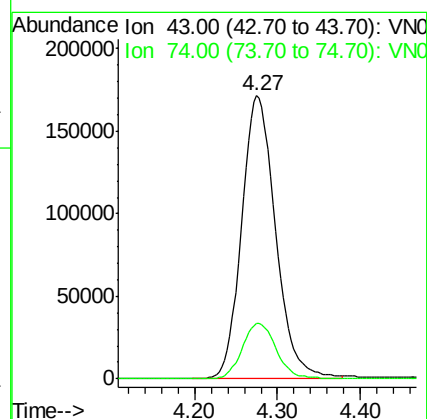
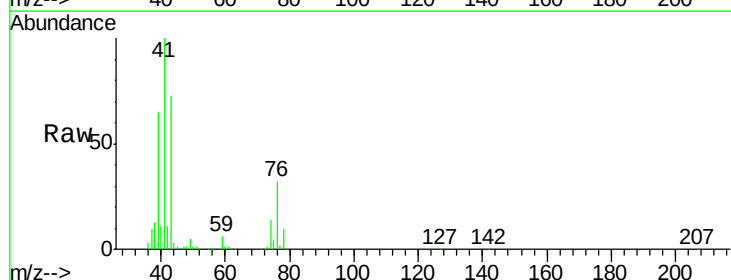
Acq: 8 Jul 2020 12:15

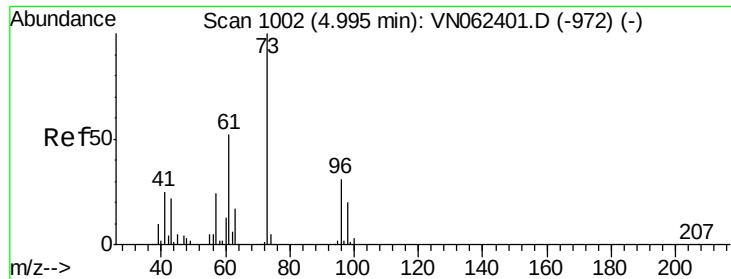
Tgt Ion: 43 Resp: 486243

Ion Ratio Lower Upper

43 100

74 19.9 16.0 24.0





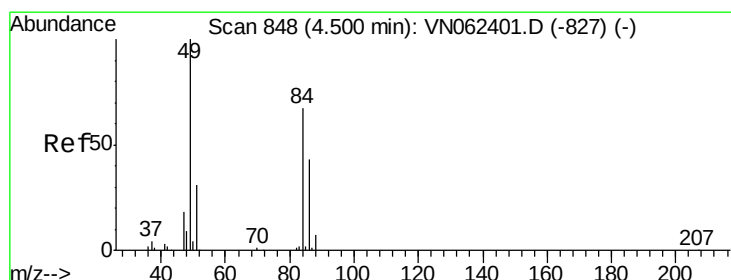
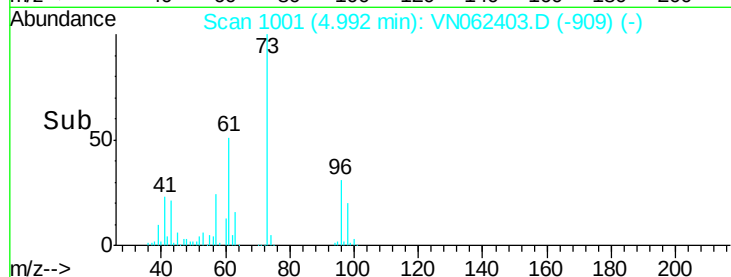
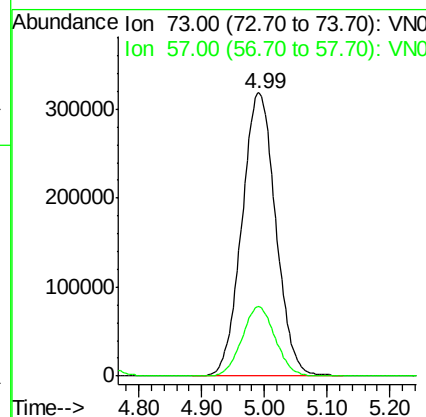
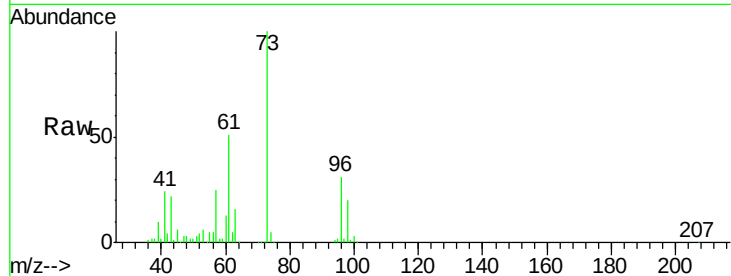
#19
Methyl tert-butyl Ether
Concen: 154.339 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1192040
Ion Ratio Lower Upper
73 100
57 24.7 19.4 29.0

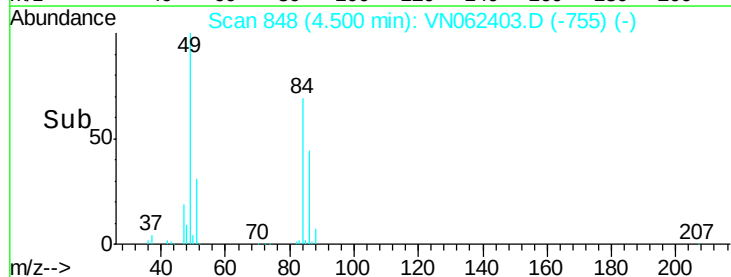
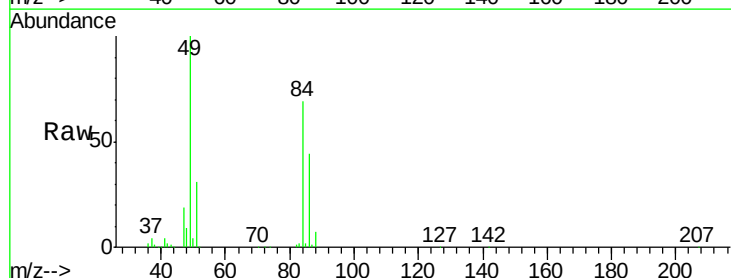
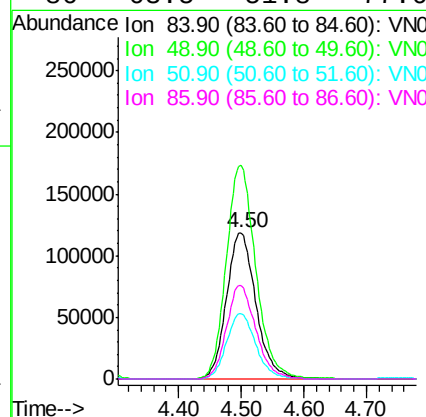
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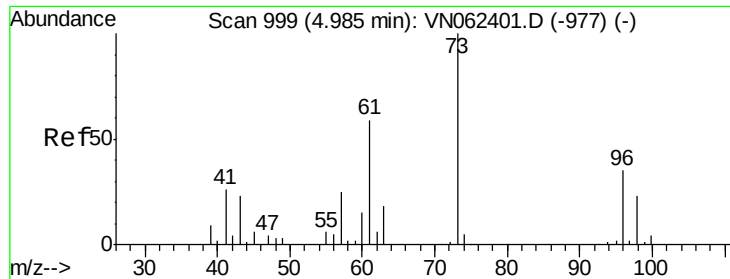
MMDadoda
7/9/2020 10:54:56 AM



#20
Methylene Chloride
Concen: 132.563 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion: 84 Resp: 386638
Ion Ratio Lower Upper
84 100
49 145.9 120.0 180.0
51 44.6 37.0 55.6
86 63.5 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 147.546 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

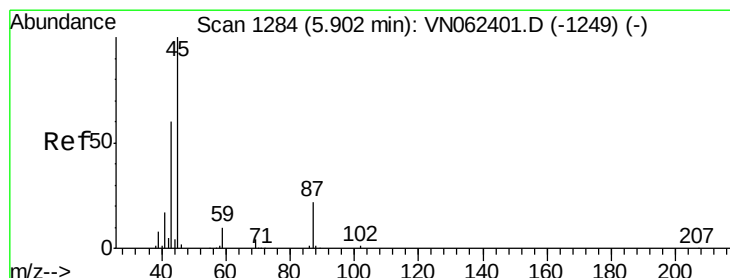
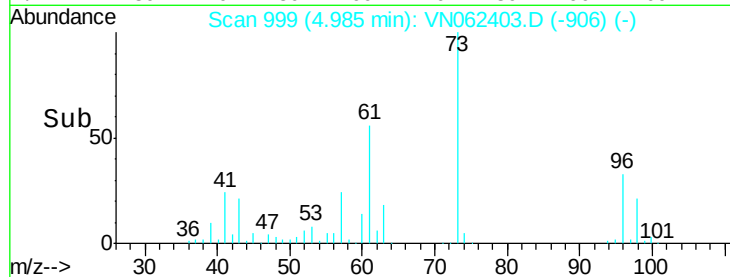
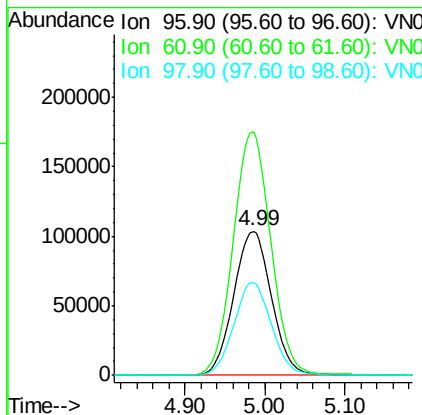
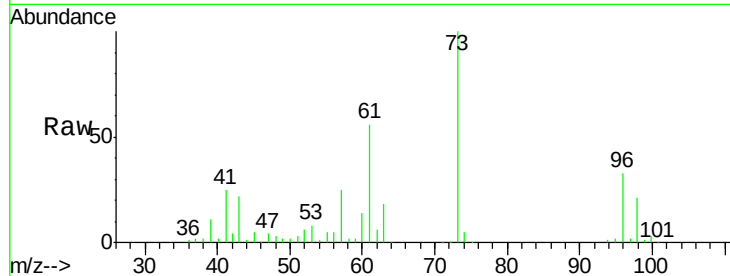
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	332031
Ion	Ratio	Lower	Upper
96	100		
61	168.7	133.5	200.3
98	64.5	51.9	77.9

Manual Integrations
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7/9/2020 10:54:56 AM



#22

Diisopropyl ether

Concen: 147.776 ug/l

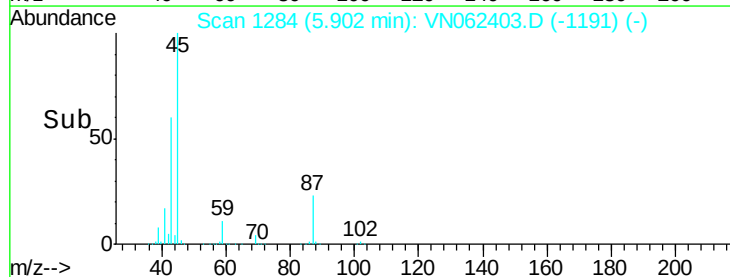
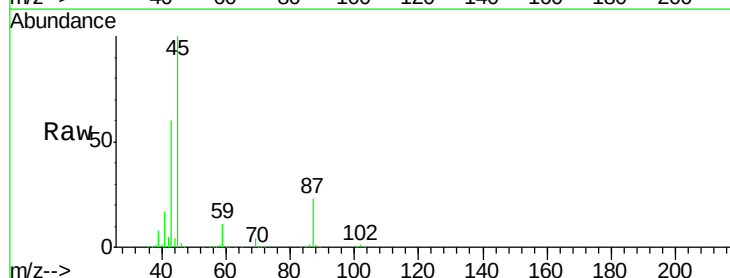
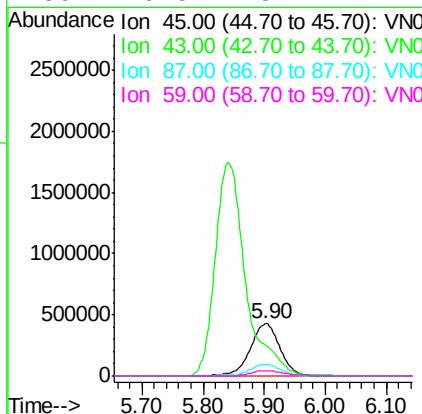
RT: 5.90 min Scan# 1284

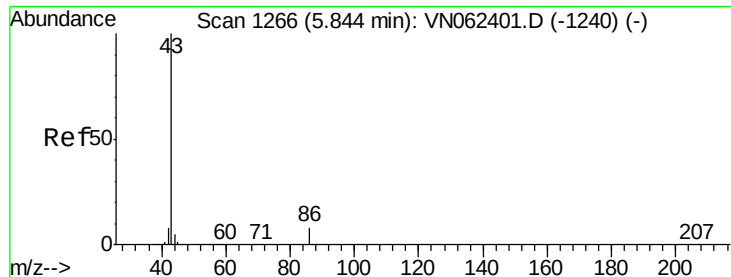
Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Tgt Ion:	45	Resp:	1446979
Ion	Ratio	Lower	Upper
45	100		
43	58.9	50.1	75.1
87	22.8	18.2	27.4
59	10.5	8.2	12.2





#23

Vinyl Acetate

Concen: 798.592 ug/l

RT: 5.84 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 6073199

Ion Ratio Lower Upper

43 100

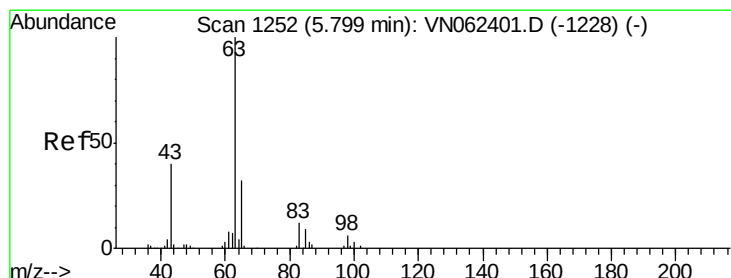
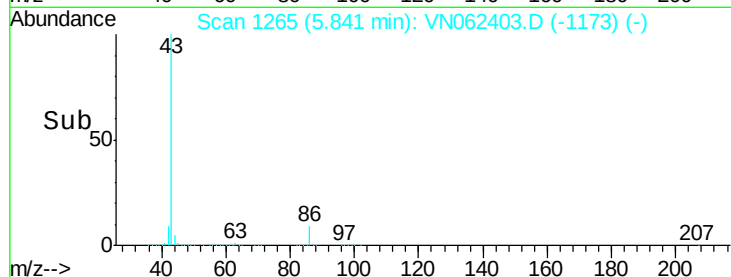
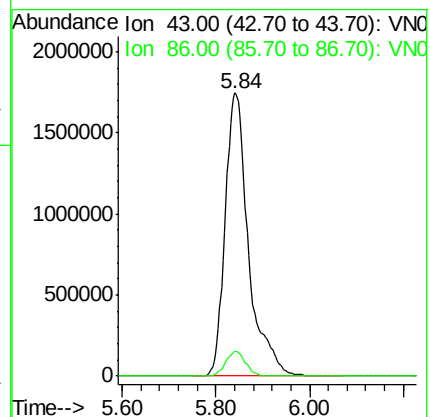
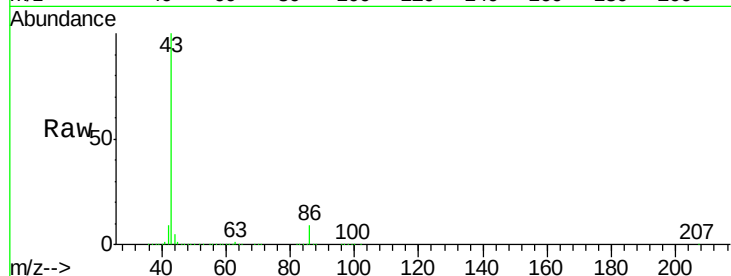
86 8.6 6.7 10.1

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 150.556 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

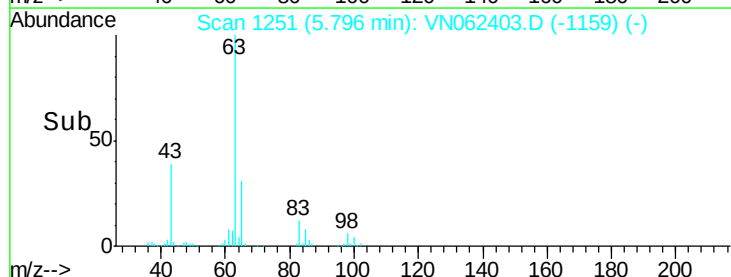
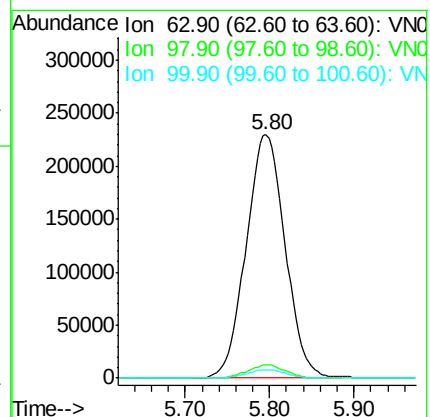
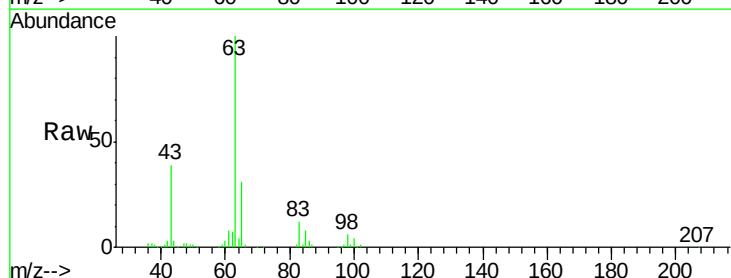
Tgt Ion: 63 Resp: 737184

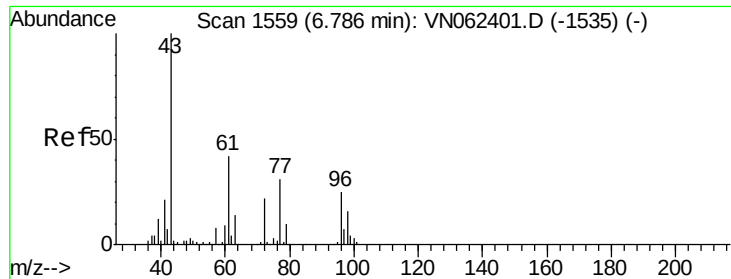
Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

100 3.5 1.8 5.3





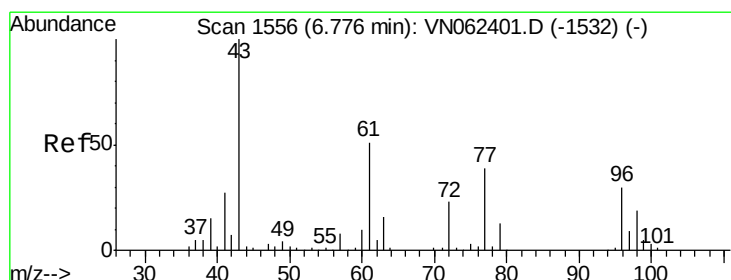
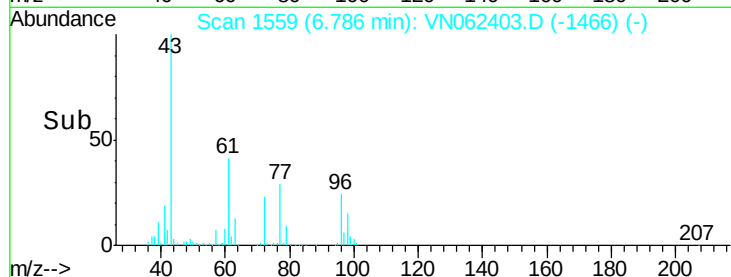
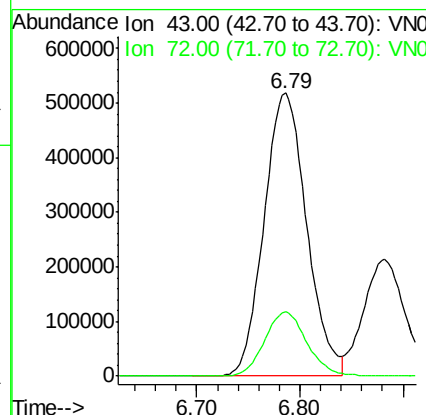
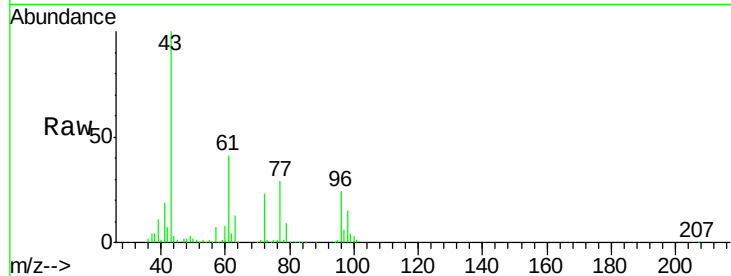
#25
2-Butanone
Concen: 728.674 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1482300
Ion Ratio Lower Upper
43 100
72 22.6 17.9 26.9

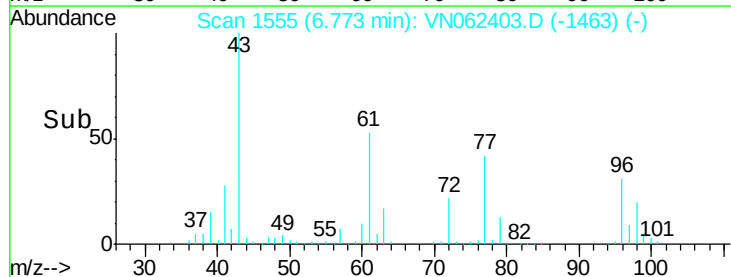
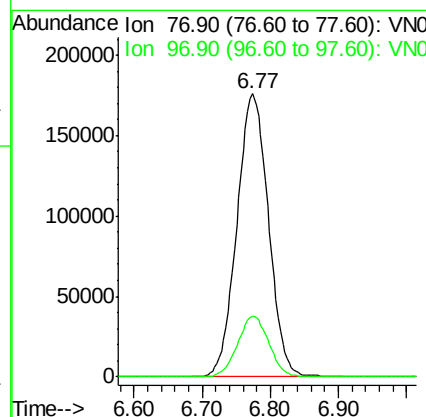
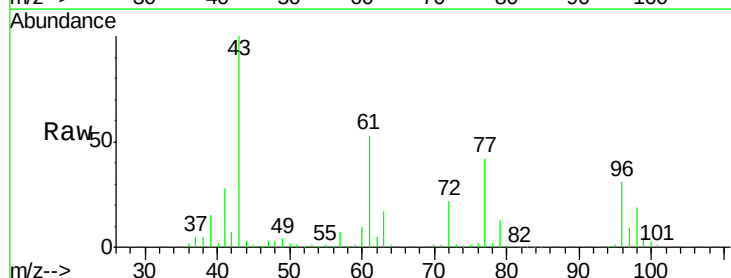
Manual Integrations
APPROVED

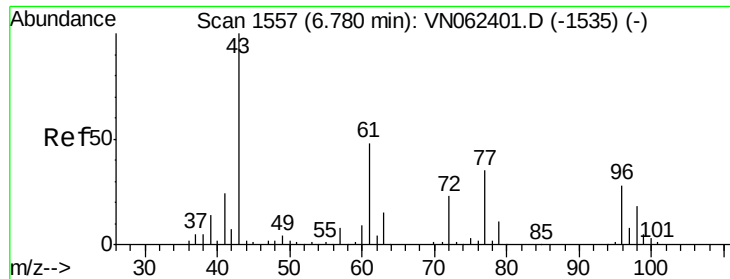
MMDadoda
7/9/2020 10:54:56 AM



#26
2,2-Dichloropropane
Concen: 142.119 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion: 77 Resp: 565533
Ion Ratio Lower Upper
77 100
97 21.2 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 154.192 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

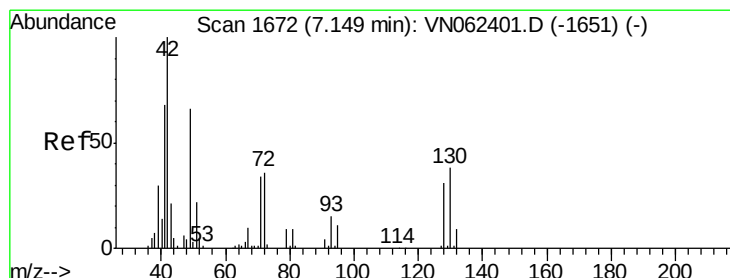
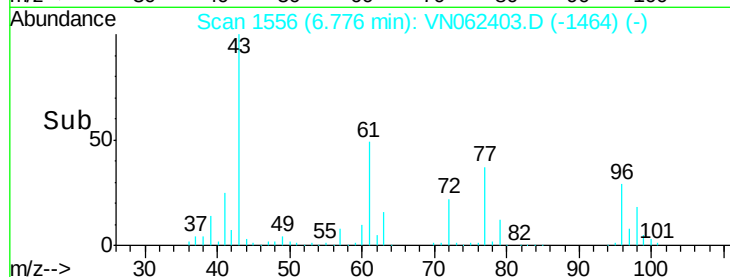
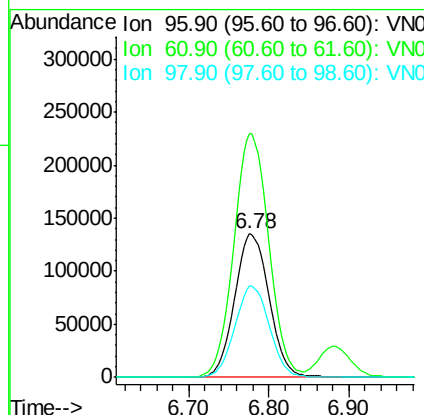
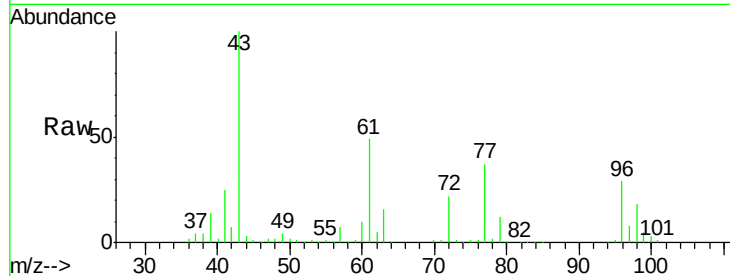
ClientSampled :

VSTDIC150

Tot Ion:	96	Resp:	396204
Ion	Ratio	Lower	Upper
96	100		
61	171.2	0.0	343.4
98	64.0	0.0	128.4

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:54:56 AM



#28

Bromochloromethane

Concen: 150.838 ug/l

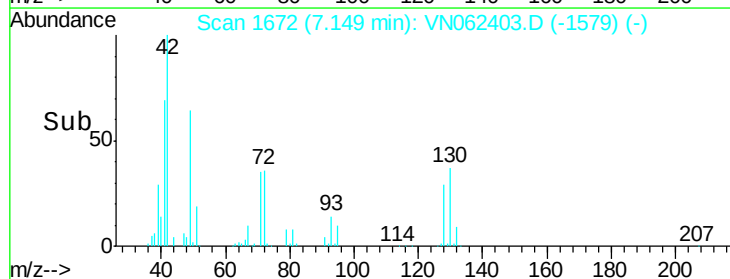
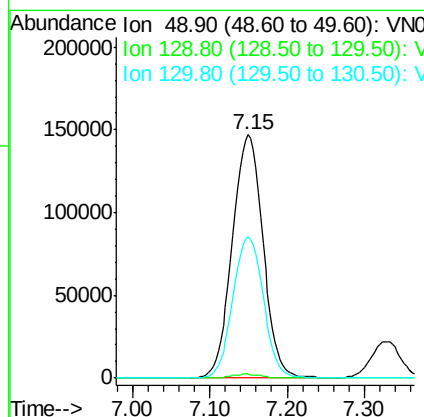
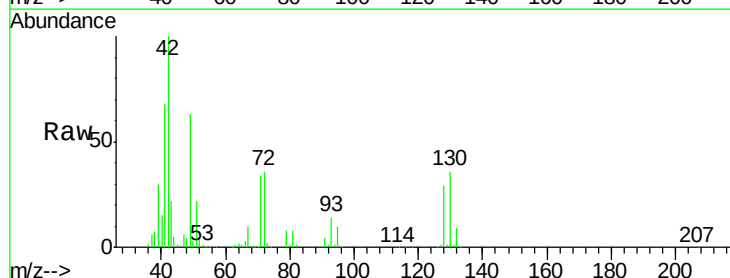
RT: 7.15 min Scan# 1672

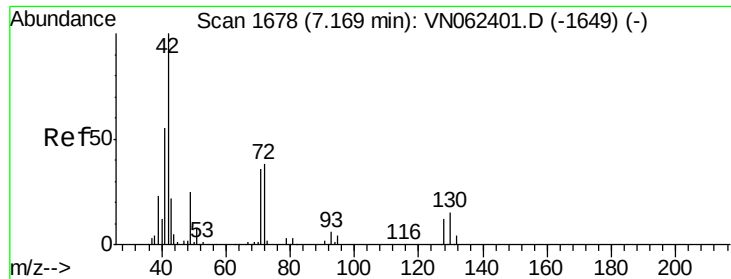
Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Tgt Ion:	49	Resp:	405804
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	2.8
130	57.8	46.5	69.7





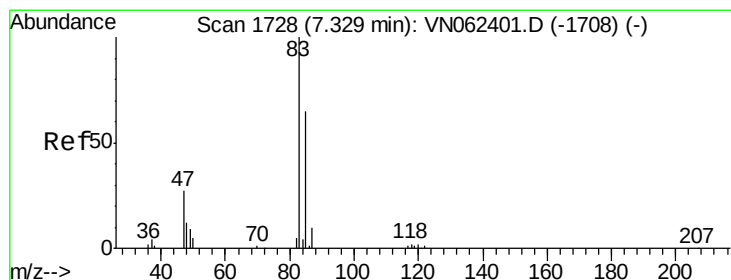
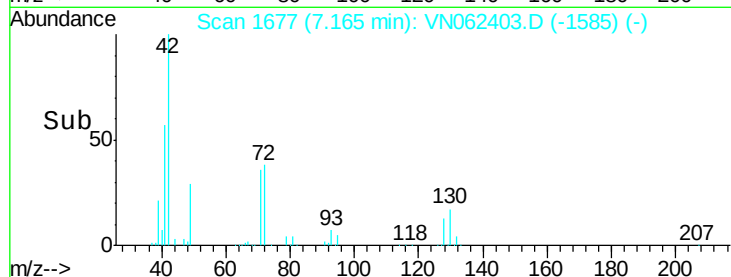
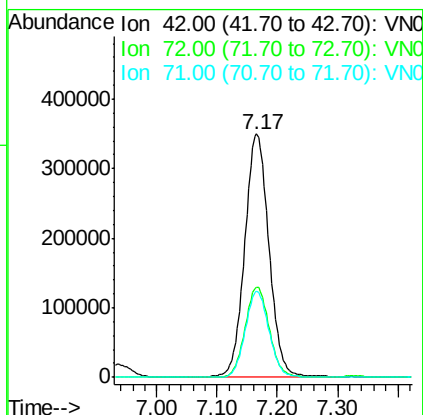
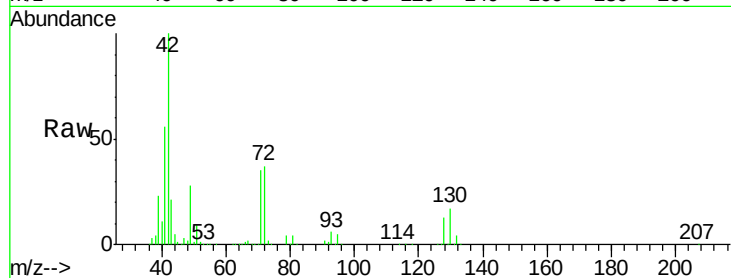
#29
Tetrahydrofuran
Concen: 760.172 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	29.1	43.7
71	34.6	28.1	42.1

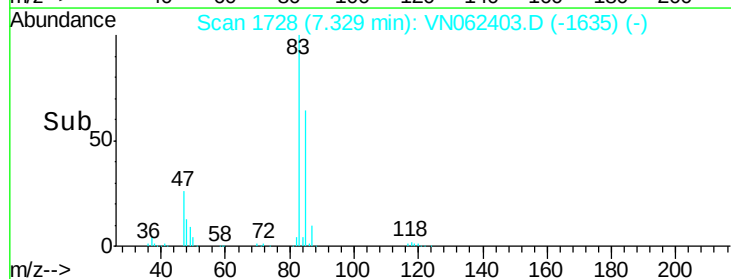
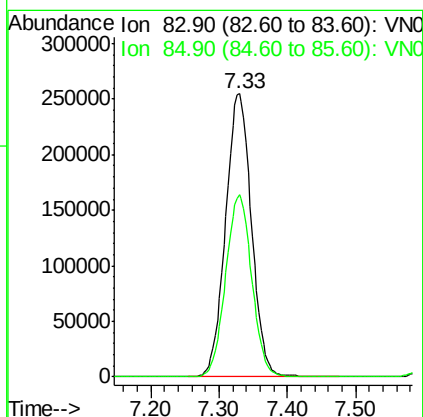
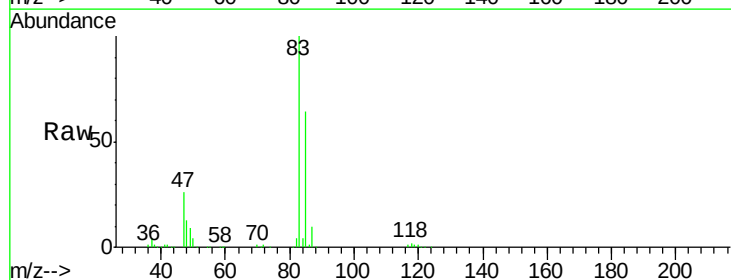
Manual Integrations
APPROVED

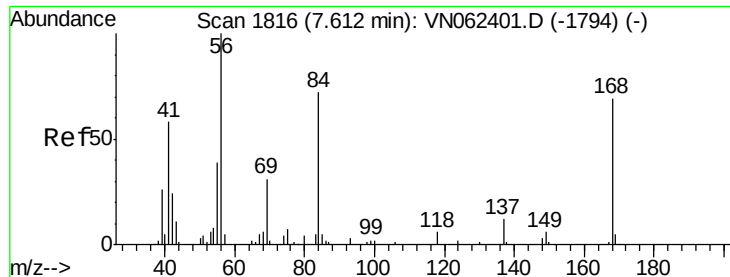
MMDadoda
7/9/2020 10:54:56 AM



#30
Chloroform
Concen: 142.179 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.6





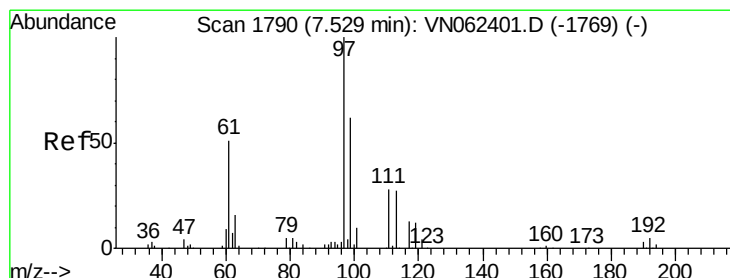
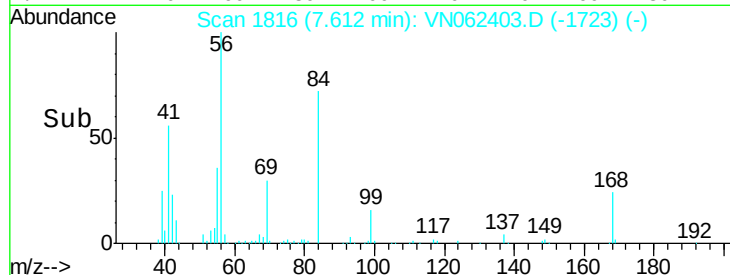
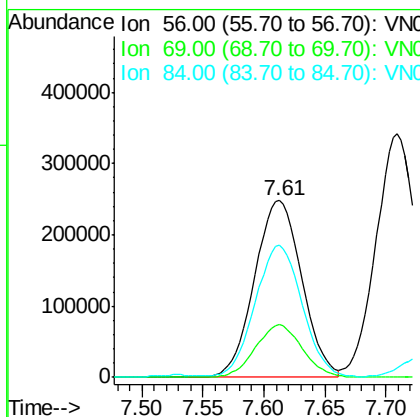
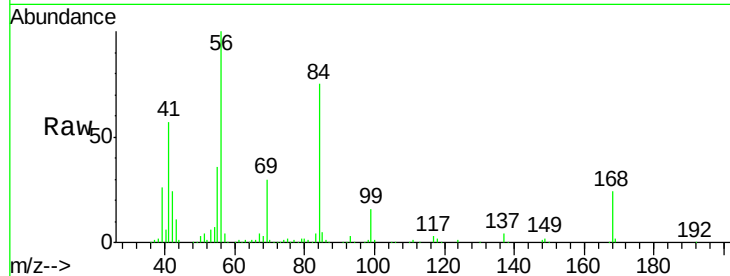
#31
Cyclohexane
Concen: 147.498 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:	56	Resp:	669351
Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.5	36.7
84	73.3	57.4	86.2

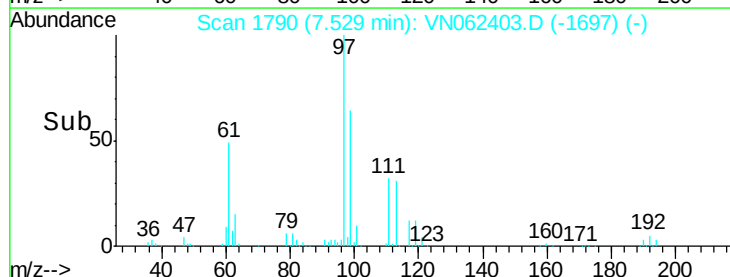
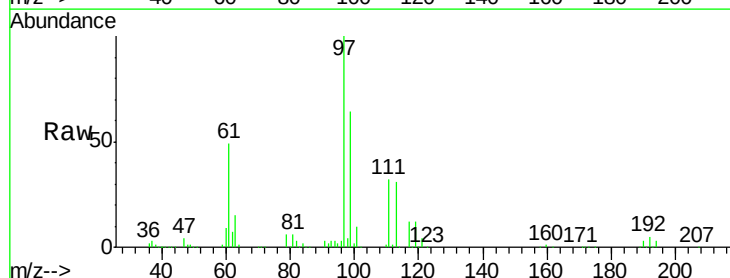
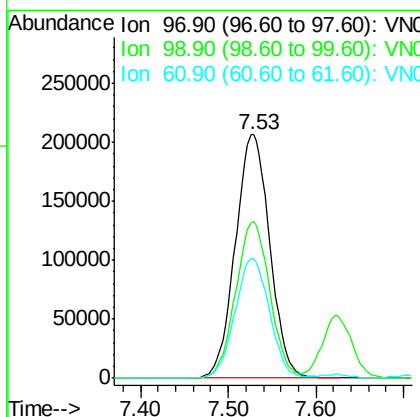
Manual Integrations
APPROVED

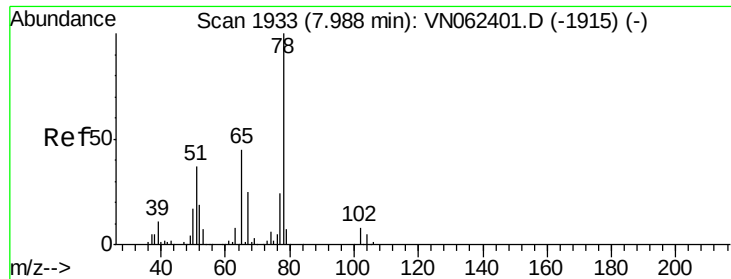
MMDadoda
7/9/2020 10:54:56 AM



#32
1,1,1-Trichloroethane
Concen: 142.361 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion:	97	Resp:	563418
Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.4	75.6
61	49.2	39.9	59.9





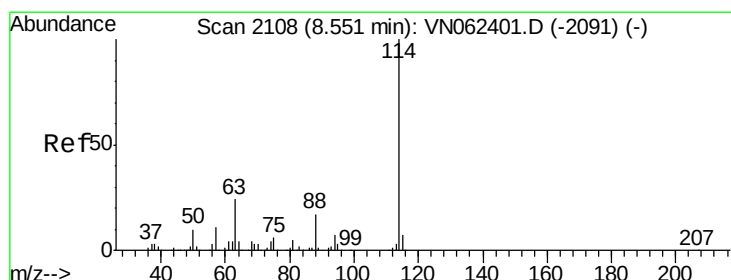
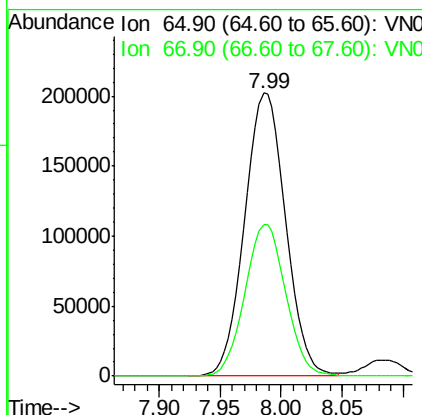
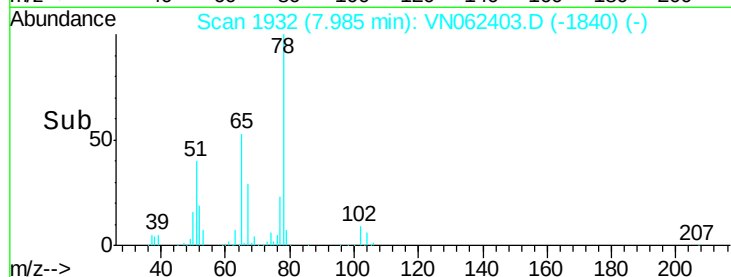
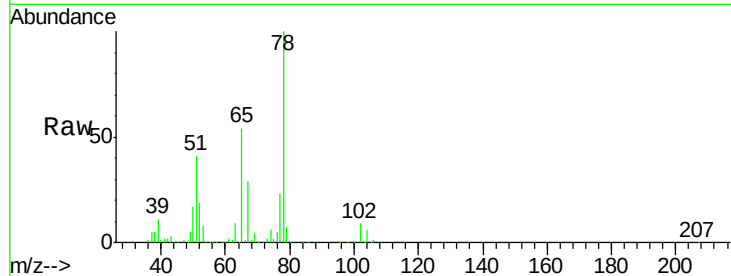
#33
 1,2-Dichloroethane-d4
 Concen: 136.741 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062403.D
 Acq: 8 Jul 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	107.6

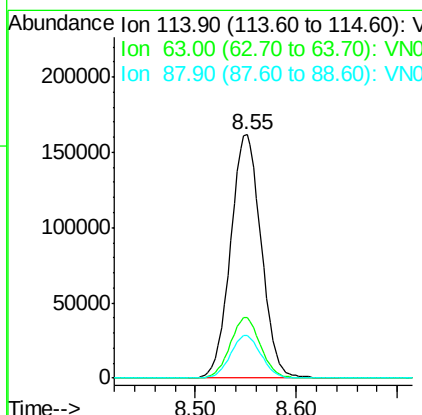
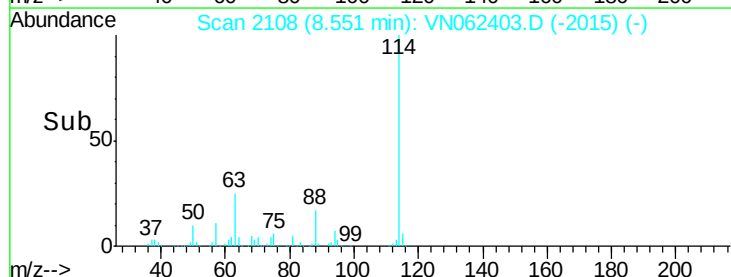
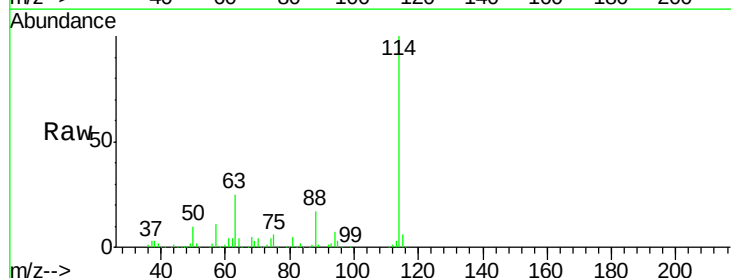
Manual Integrations
 APPROVED

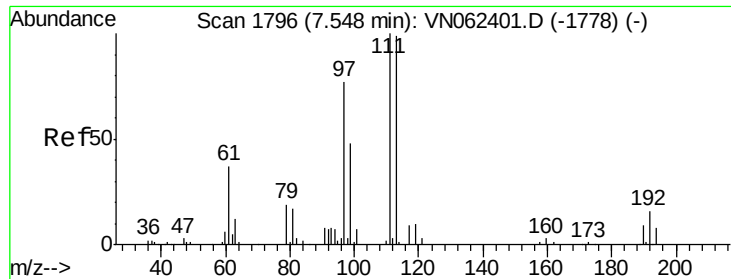
MMDadoda
 7/9/2020 10:54:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062403.D
 Acq: 8 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	0.0	48.4
88	17.3	0.0	33.8





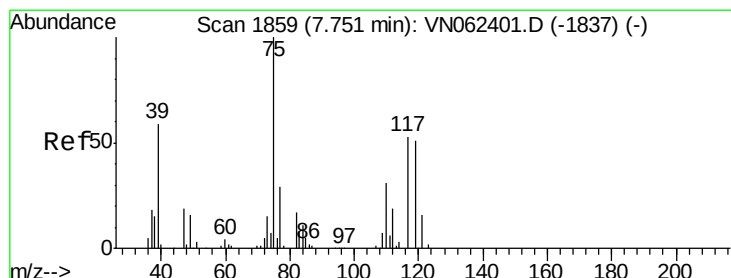
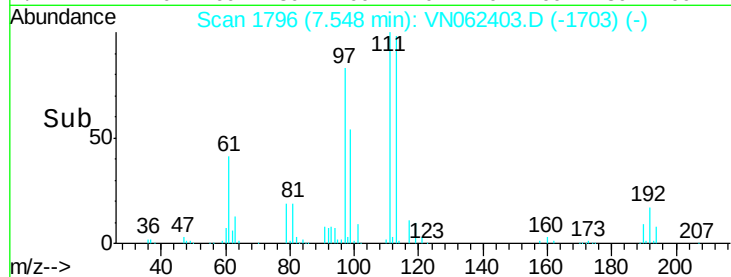
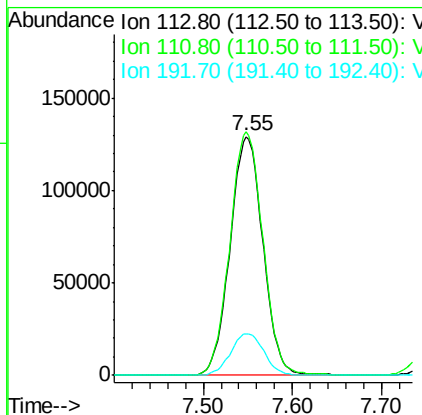
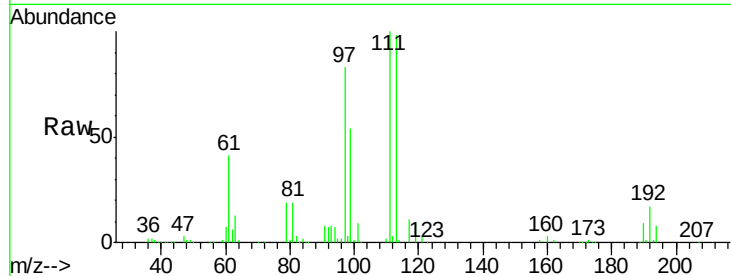
#35
 Dibromofluoromethane
 Concen: 144.308 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062403.D
 Acq: 8 Jul 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	329550		
111	103.0	83.1	124.7	
192	17.8	14.1	21.1	

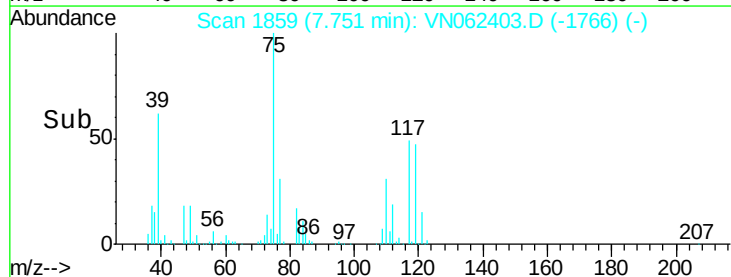
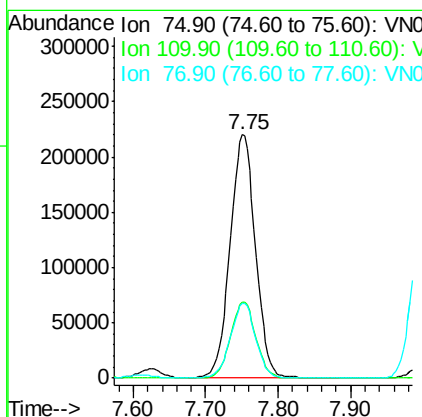
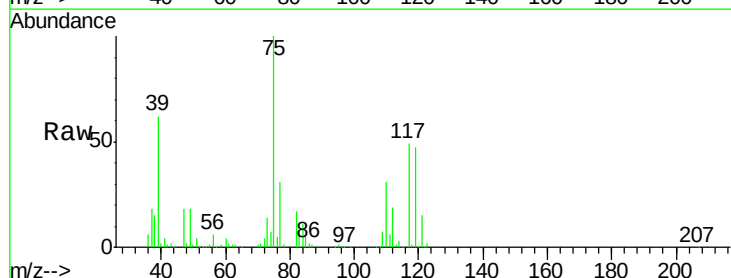
Manual Integrations
 APPROVED

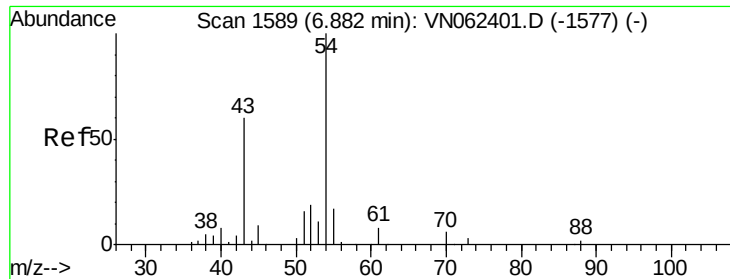
MMDadoda
 7/9/2020 10:54:56 AM



#36
 1,1-Dichloropropene
 Concen: 147.931 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062403.D
 Acq: 8 Jul 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	534315		
110	31.3	15.4	46.2	
77	30.8	24.1	36.1	





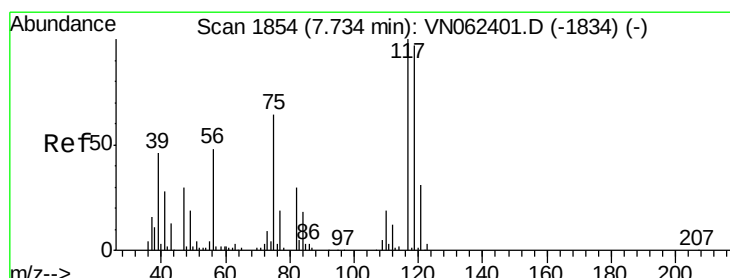
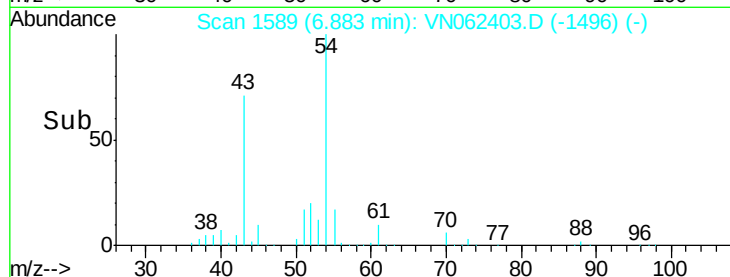
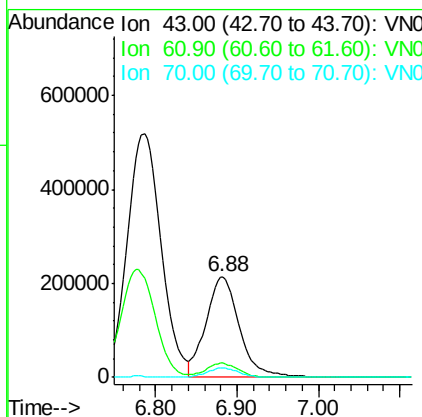
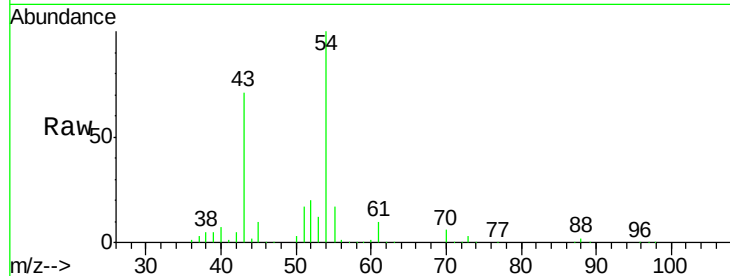
#37
Ethyl Acetate
Concen: 145.275 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.7	16.1
70	9.0	7.2	10.8

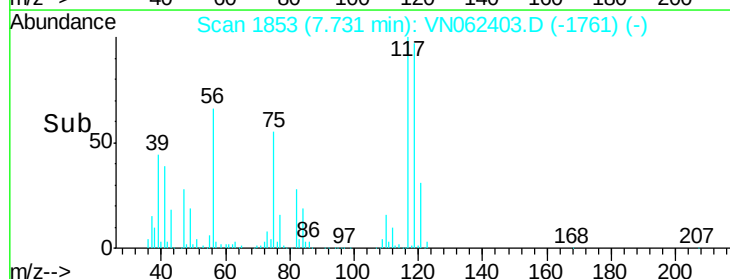
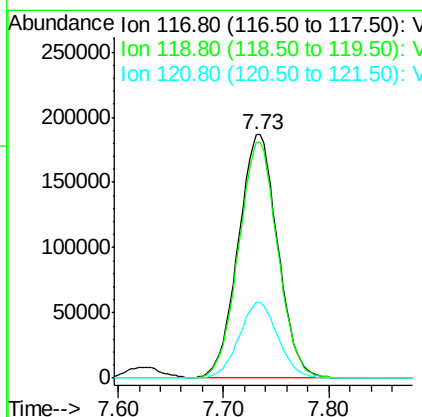
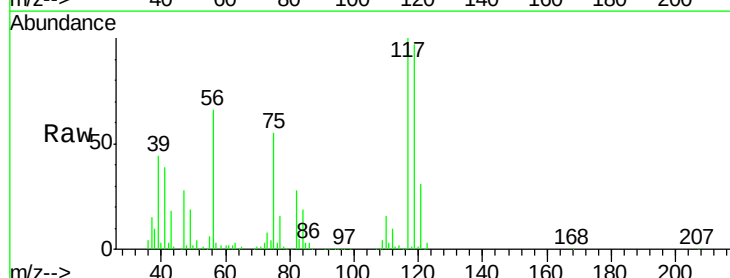
Manual Integrations
APPROVED

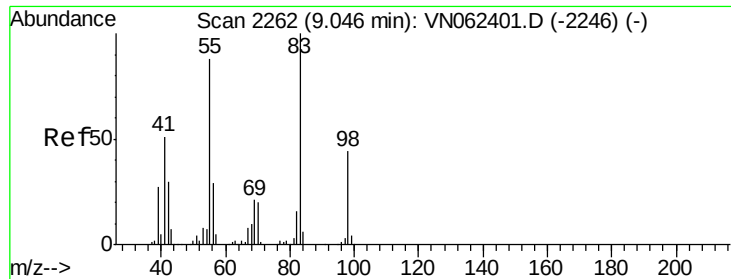
MMDadoda
7/9/2020 10:54:56 AM



#38
Carbon Tetrachloride
Concen: 135.376 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.2	115.8
121	31.1	24.8	37.2





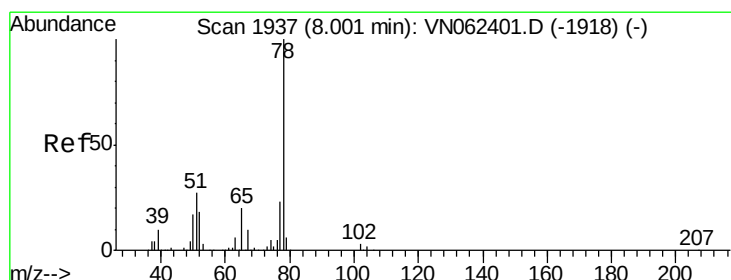
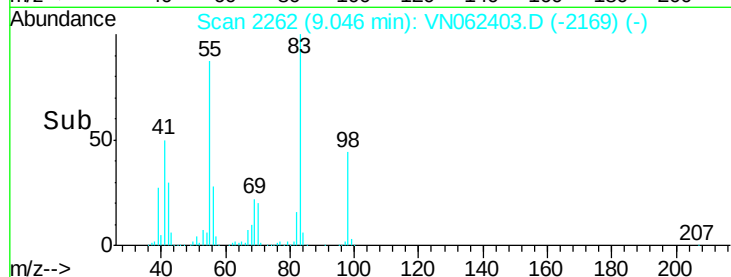
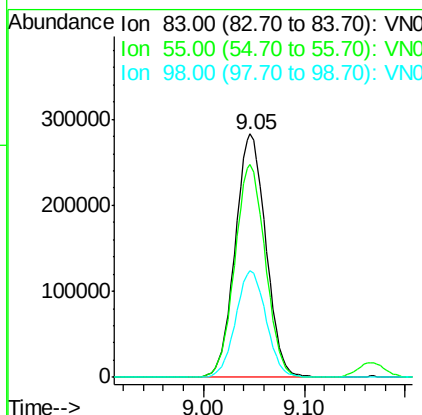
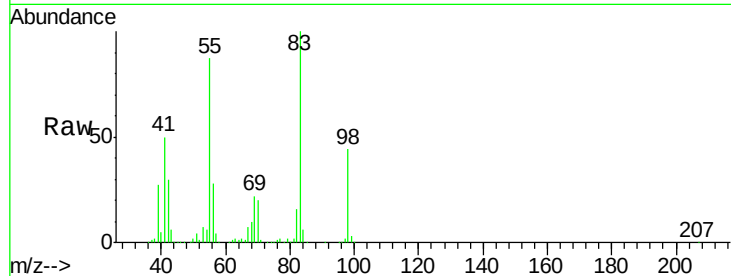
#39
Methylvlcyclohexane
Concen: 152.989 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.3	70.5	105.7
98	43.8	35.5	53.3

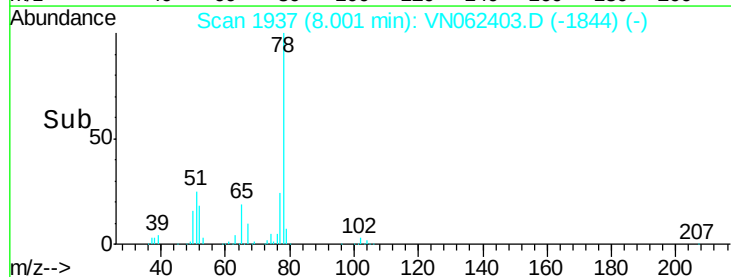
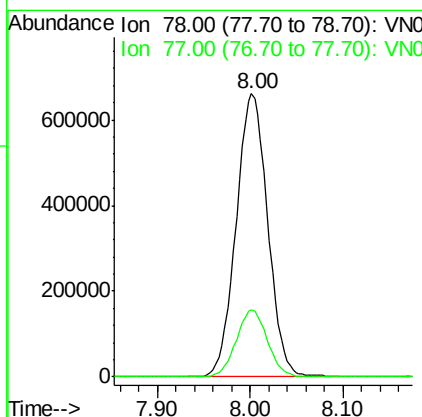
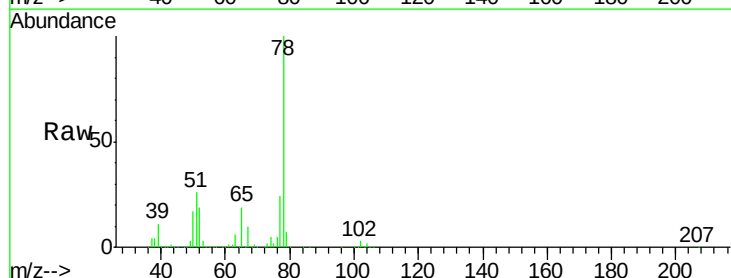
Manual Integrations
APPROVED

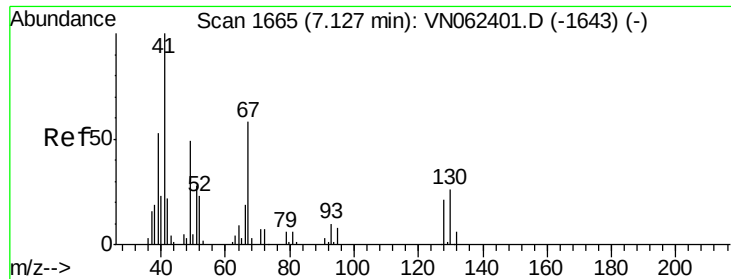
MMDadoda
7/9/2020 10:54:56 AM



#40
Benzene
Concen: 151.999 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





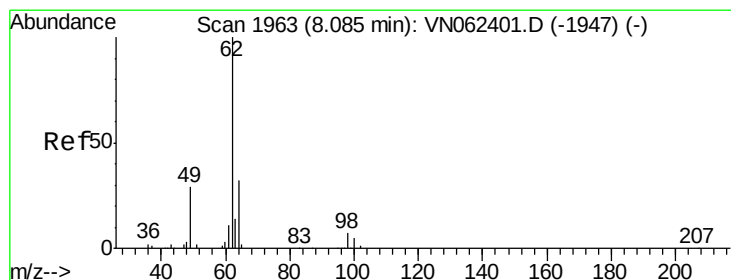
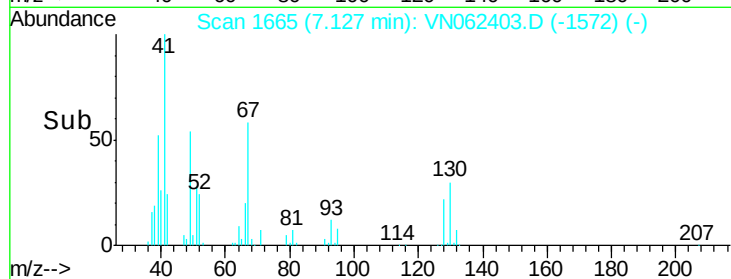
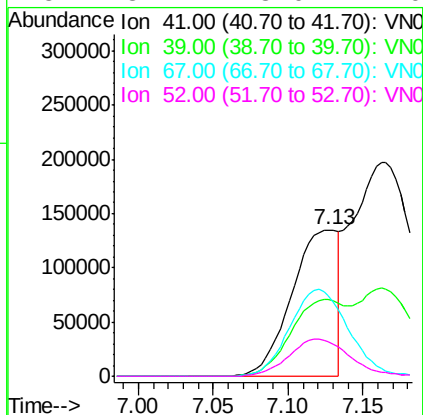
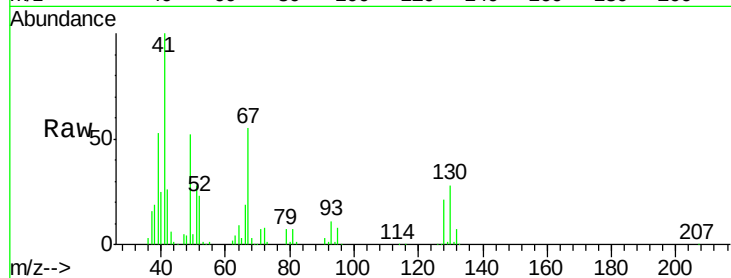
#41
Methacrylonitrile
Concen: 137.407 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.5	50.2	75.2	
67	76.4	64.2	96.2	
52	32.7	28.0	42.0	

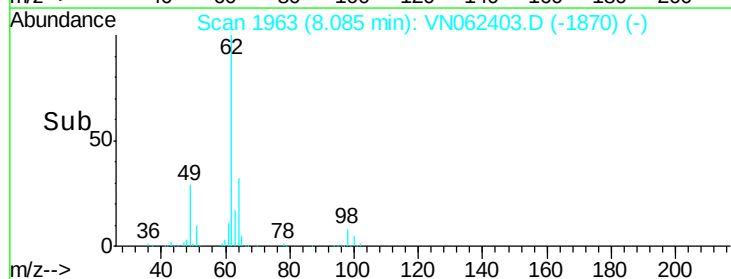
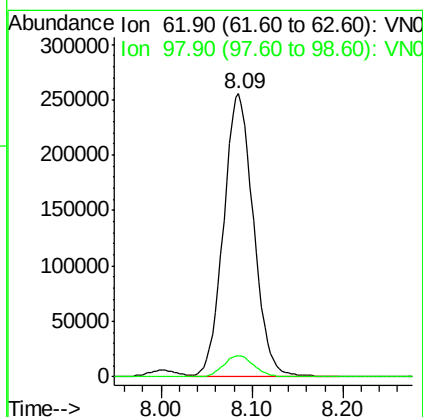
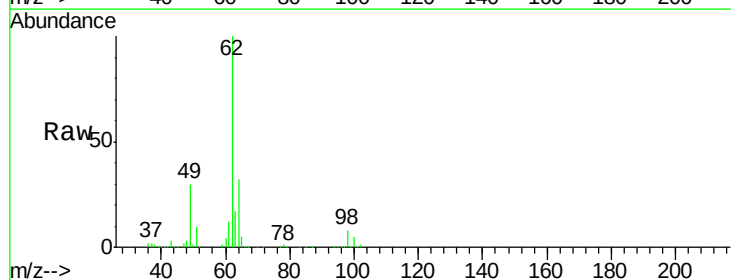
Manual Integrations
APPROVED

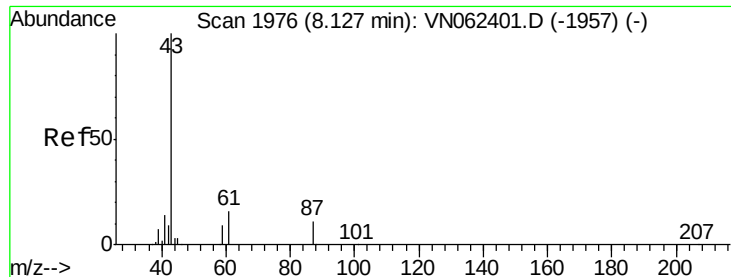
MMDadoda
7/9/2020 10:54:56 AM



#42
1,2-Dichloroethane
Concen: 131.663 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.8	0.0	15.8	





#43

Isopropyl Acetate

Concen: 148.101 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1039947

Ion Ratio Lower Upper

43 100

61 24.7 19.3 28.9

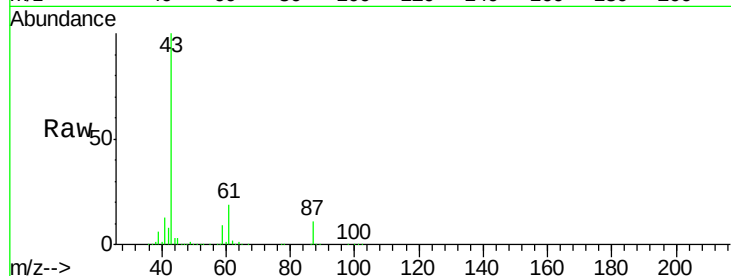
87 10.9 8.6 13.0

Manual Integrations

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7/9/2020 10:54:56 AM



Abundance Ion 43.00 (42.70 to 43.70): VN062403.D (-1883) (-)

Ion 61.00 (60.70 to 61.70): VN062403.D (-1883) (-)

Ion 87.00 (86.70 to 87.70): VN062403.D (-1883) (-)

8.13

600000

500000

400000

300000

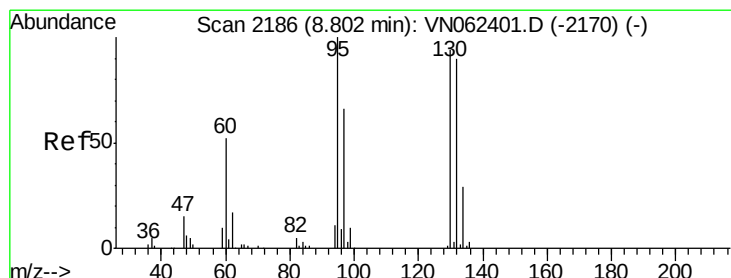
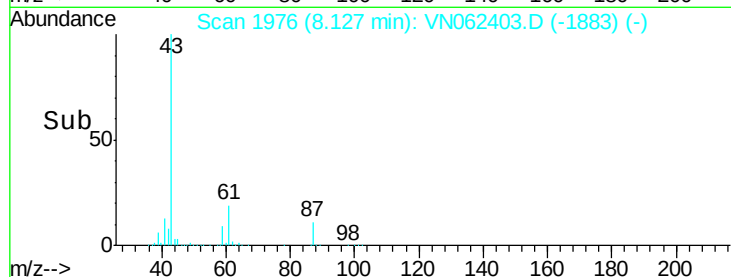
200000

100000

0

8.00 8.10 8.20 8.30

Time-->



#44

Trichloroethene

Concen: 143.980 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062403.D

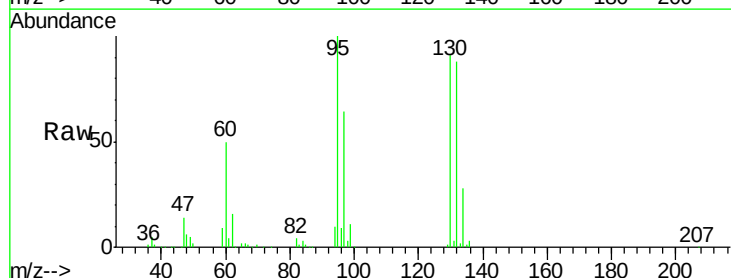
Acq: 8 Jul 2020 12:15

Tgt Ion:130 Resp: 351105

Ion Ratio Lower Upper

130 100

95 109.4 0.0 213.8



Abundance Ion 129.80 (129.50 to 130.50): VN062403.D (-2093) (-)

Ion 94.90 (94.60 to 95.60): VN062403.D (-2093) (-)

8.80

200000

150000

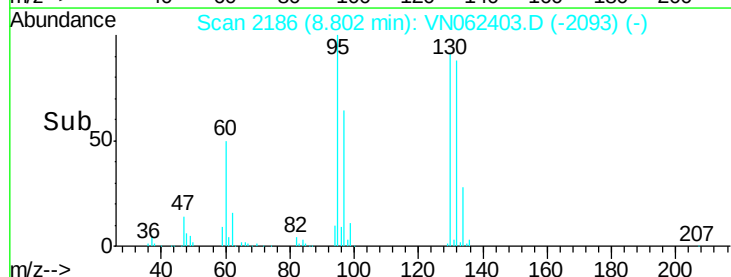
100000

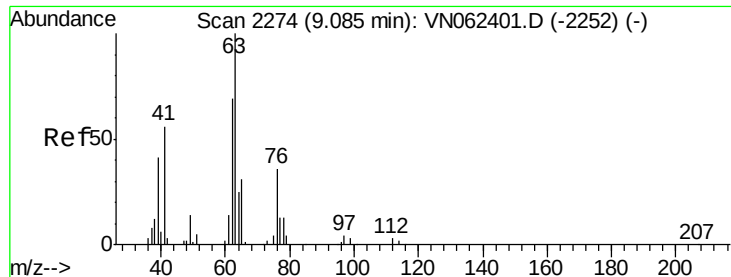
50000

0

8.70 8.80 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 151.476 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 456424

Ion Ratio Lower Upper

63 100

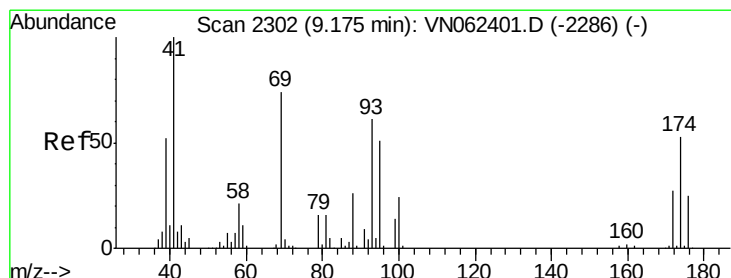
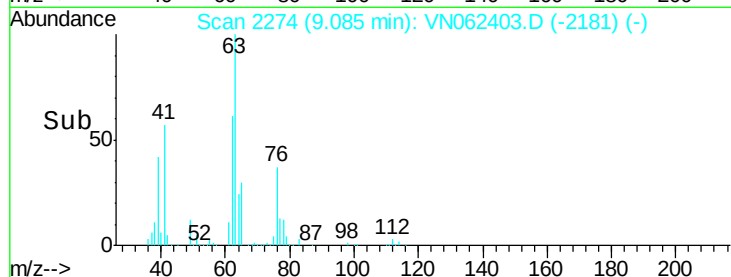
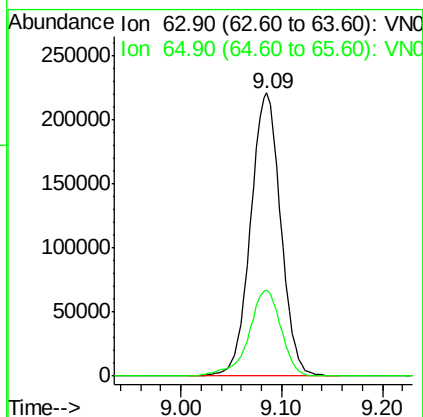
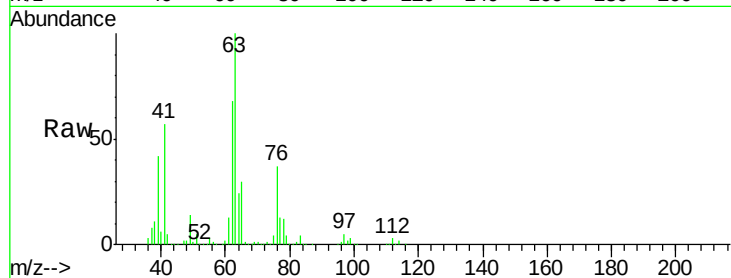
65 30.3 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 141.204 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

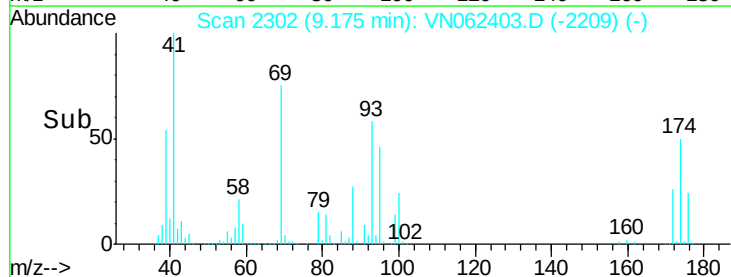
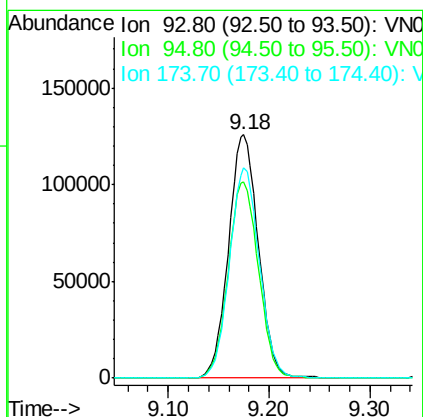
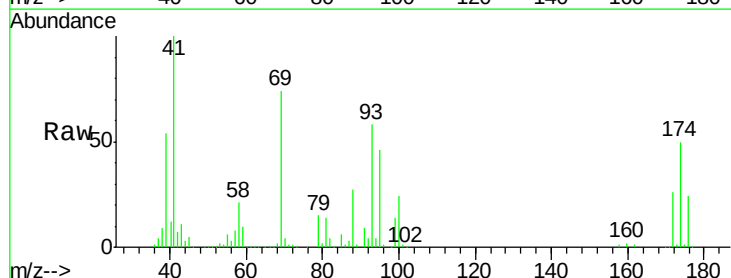
Tgt Ion: 93 Resp: 259692

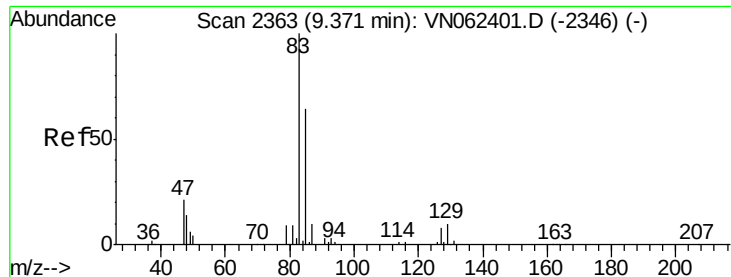
Ion Ratio Lower Upper

93 100

95 81.6 67.1 100.7

174 86.6 70.4 105.6





#47

Bromodichloromethane

Concen: 143.889 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

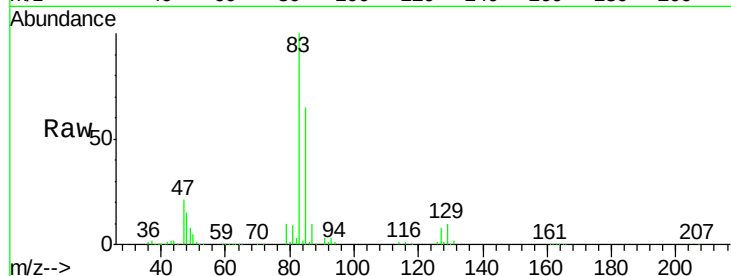
ClientSampleId :

VSTDIC150

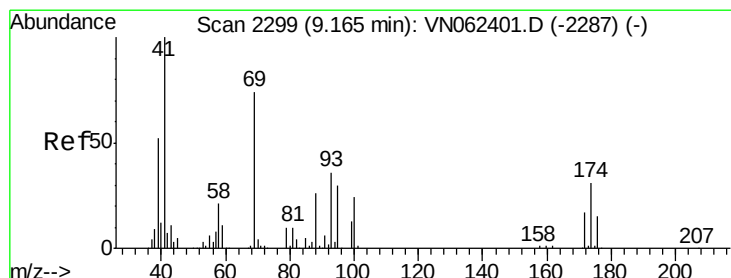
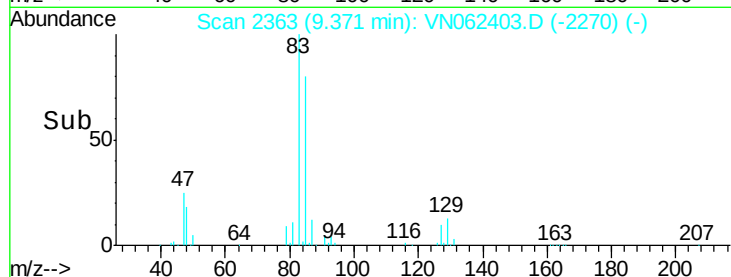
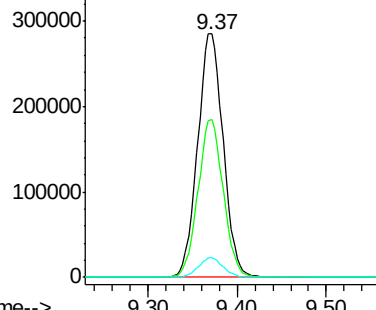
Tot Ion:	83	Resp:	564504
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.2	76.8
127	8.0	6.2	9.2

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN062403.D (-2270) (-)



#48

Methyl methacrylate

Concen: 143.862 ug/l

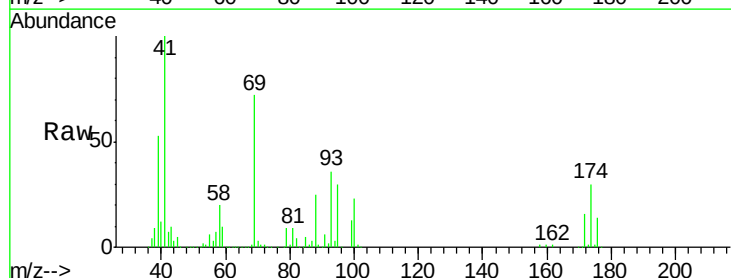
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

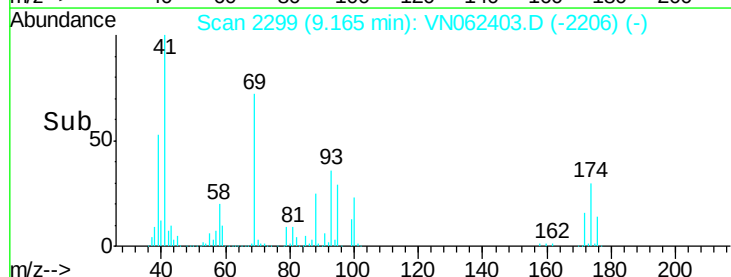
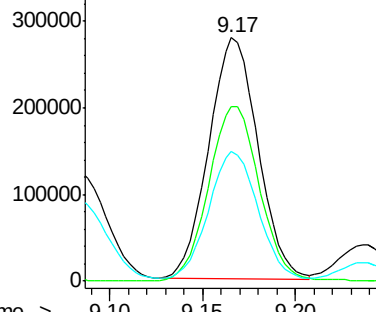
Lab File: VN062403.D

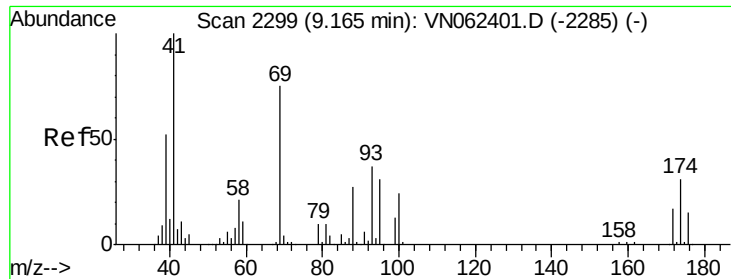
Acq: 8 Jul 2020 12:15

Tgt Ion:	41	Resp:	513432
Ion	Ratio	Lower	Upper
41	100		
69	74.9	60.8	91.2
39	54.8	43.5	65.3



Abundance Ion 41.00 (40.70 to 41.70): VN062403.D (-2206) (-)





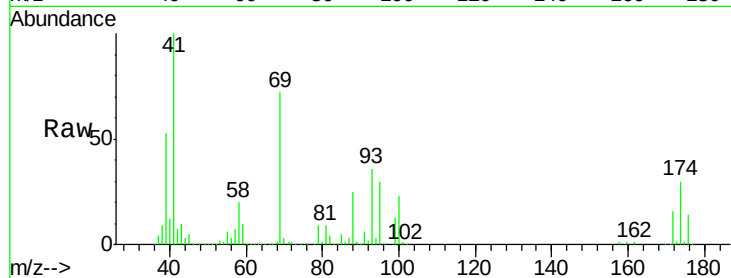
#49
1,4-Dioxane
Concen: 2954.764 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.9	31.0	46.4
58	78.4	63.3	94.9

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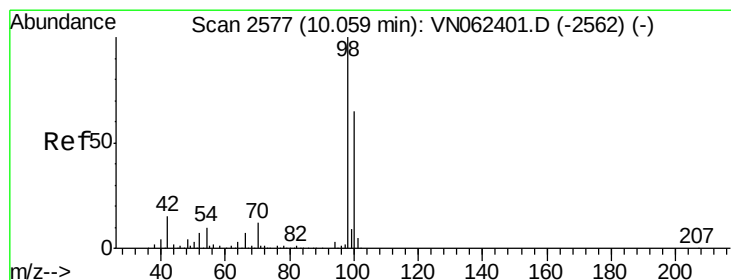
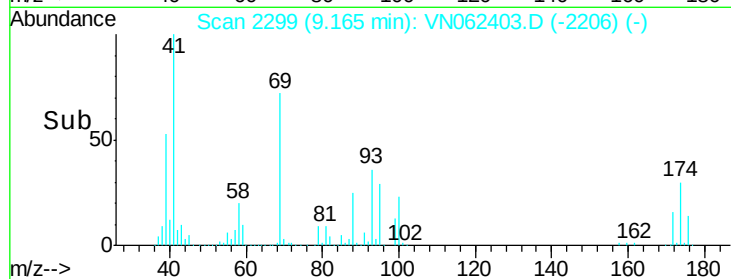
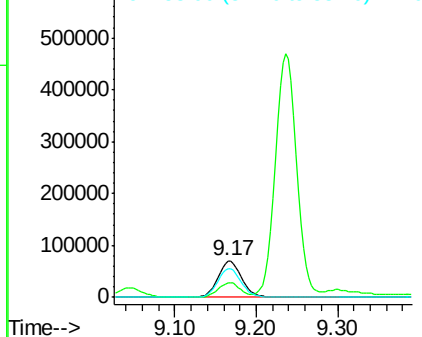


Abundance

Ion 88.00 (87.70 to 88.70): VN062403.D (-2299) (-)

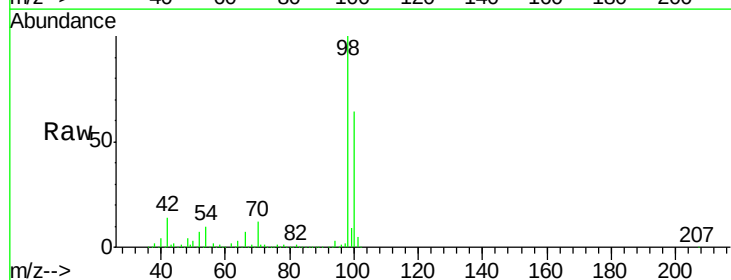
Ion 43.00 (42.70 to 43.70): VN062403.D (-2299) (-)

Ion 58.00 (57.70 to 58.70): VN062403.D (-2299) (-)



#50
Toluene-d8
Concen: 154.986 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

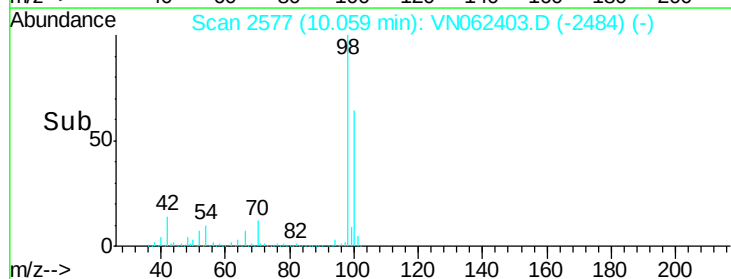
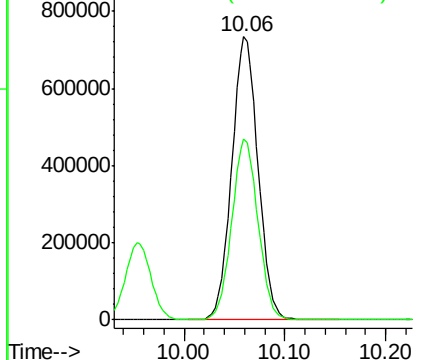
Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	51.5	77.3

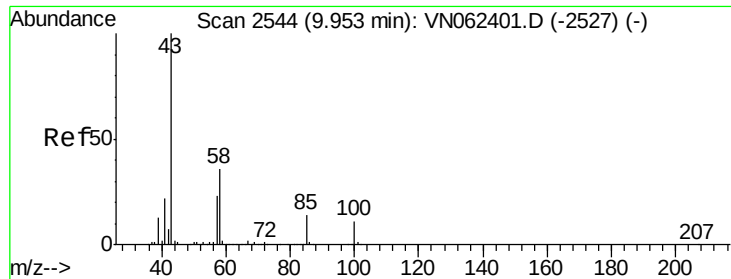


Abundance

Ion 98.00 (97.70 to 98.70): VN062403.D (-2577) (-)

Ion 100.00 (99.70 to 100.70): VN062403.D (-2577) (-)





#51

4-Methyl-2-Pentanone

Concen: 809.849 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 43 Resp: 3066822

Ion Ratio Lower Upper

43 100

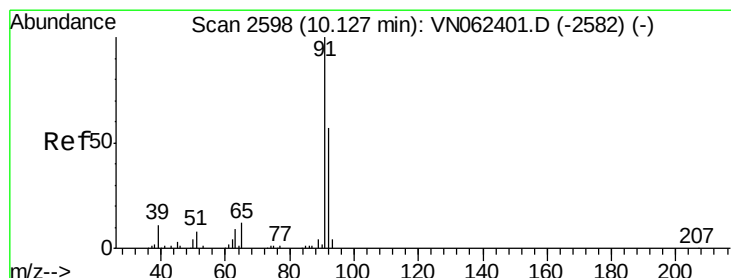
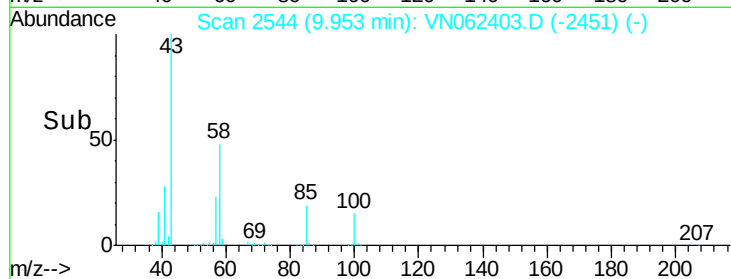
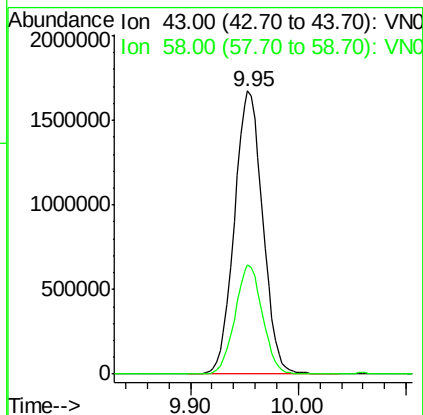
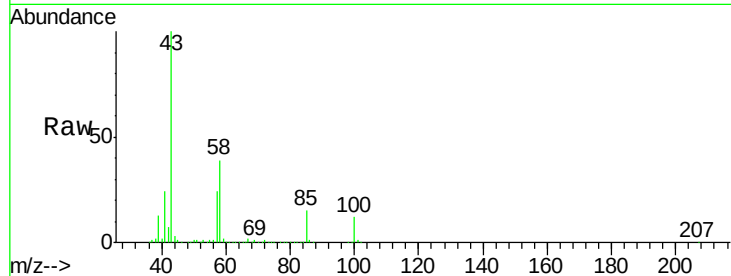
58 37.3 29.0 43.6

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#52

Toluene

Concen: 153.576 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062403.D

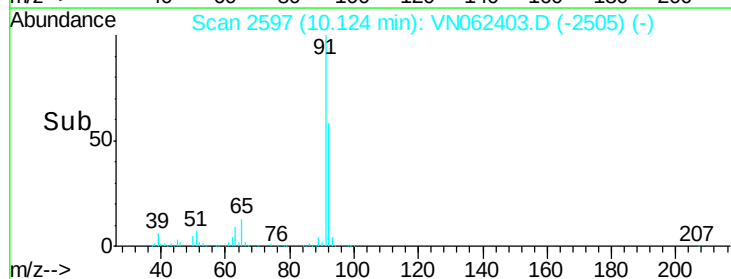
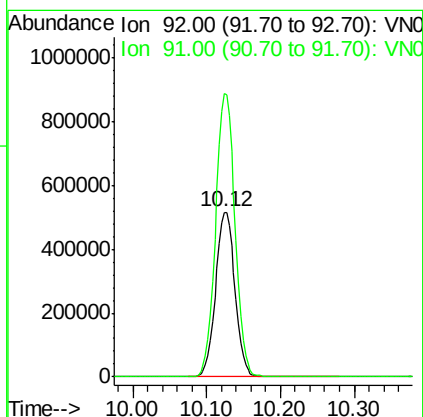
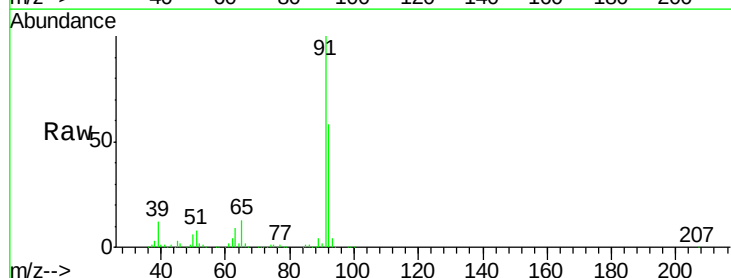
Acq: 8 Jul 2020 12:15

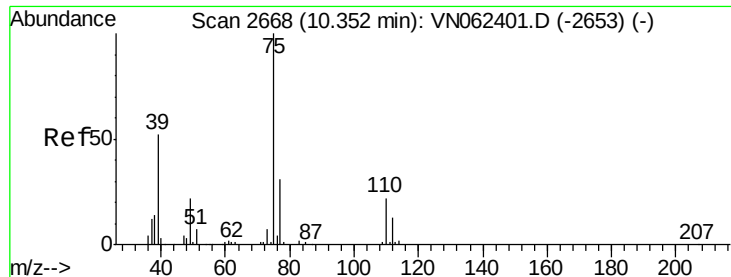
Tgt Ion: 92 Resp: 935219

Ion Ratio Lower Upper

92 100

91 173.0 141.0 211.6





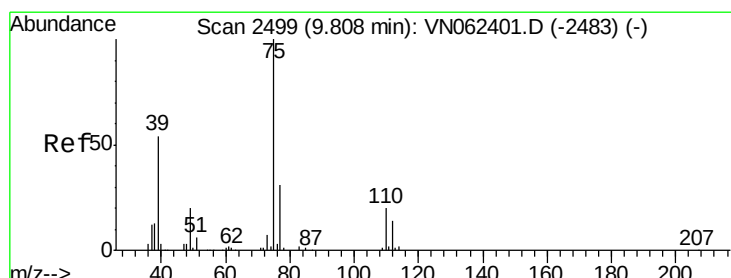
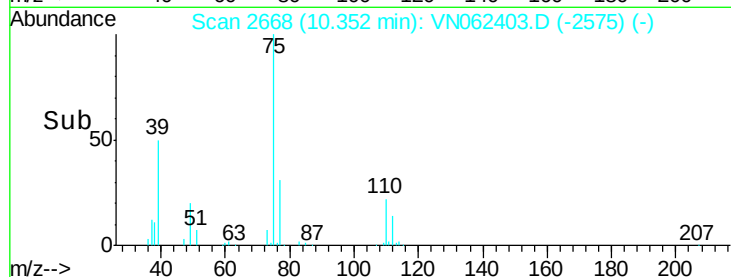
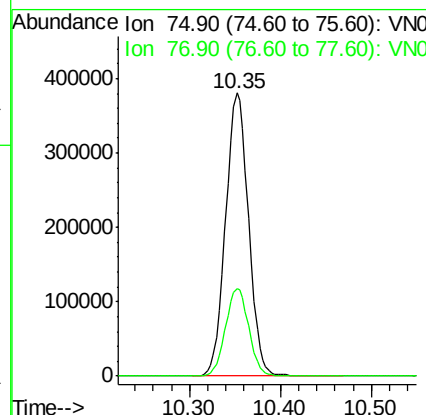
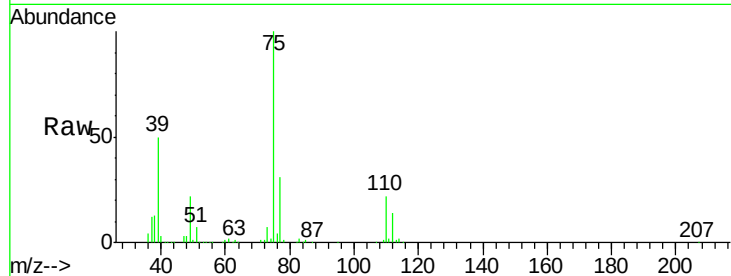
#53
t-1,3-Dichloropropene
Concen: 158.077 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 75 Resp: 667725
Ion Ratio Lower Upper
75 100
77 31.0 25.2 37.8

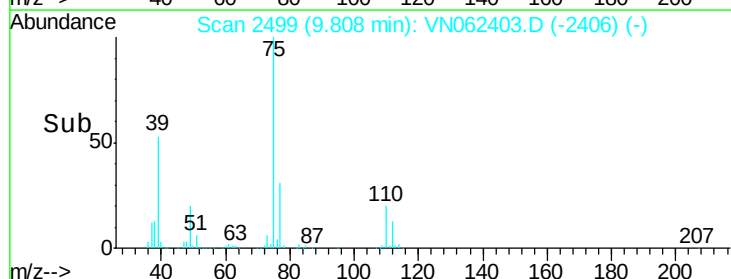
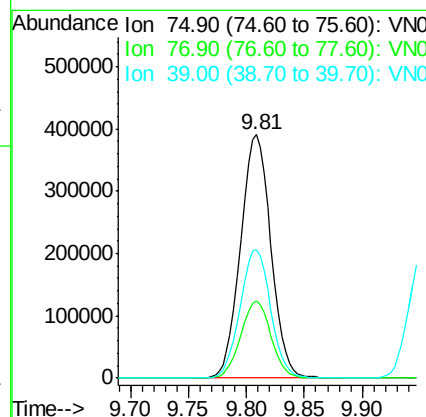
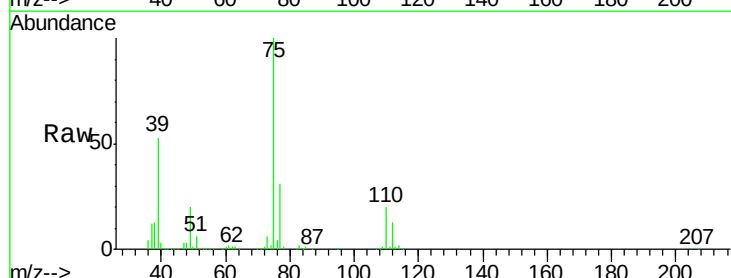
Manual Integrations
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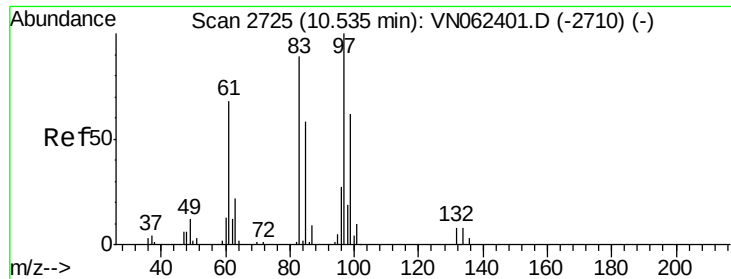
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#54
cis-1,3-Dichloropropene
Concen: 156.296 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion: 75 Resp: 710590
Ion Ratio Lower Upper
75 100
77 31.5 24.5 36.7
39 52.8 43.4 65.0





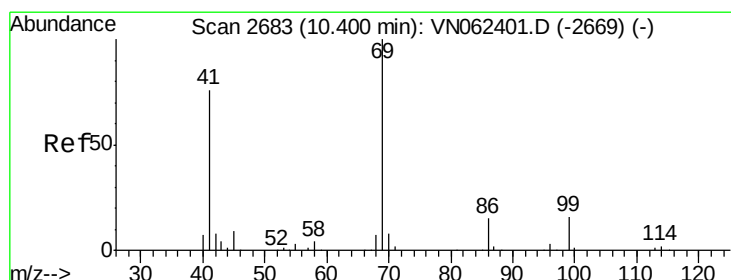
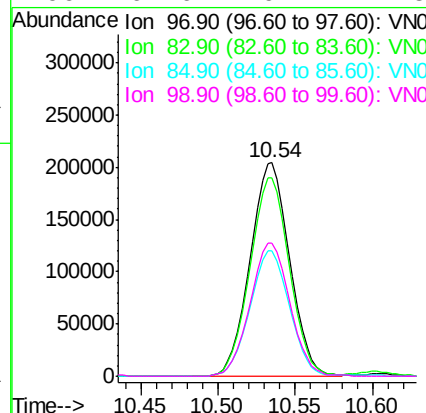
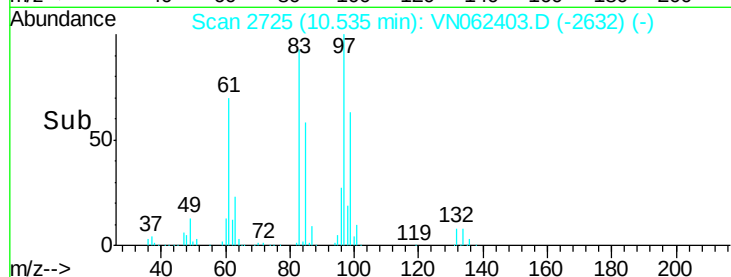
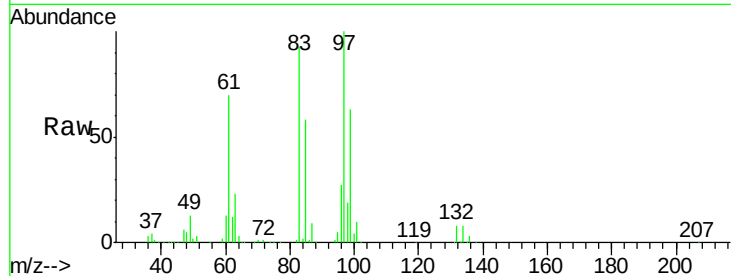
#55
1,1,2-Trichloroethane
Concen: 148.210 ug/l
RT: 10.54 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
97	100		
83	93.1	71.0	106.4
85	58.5	46.2	69.4
99	62.6	49.7	74.5

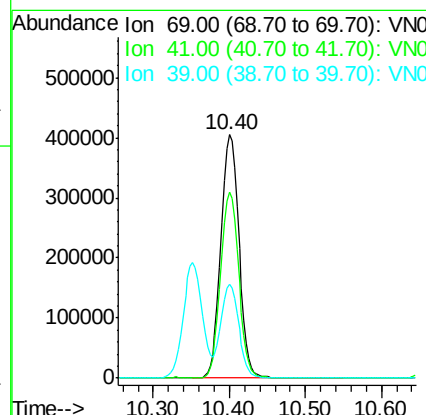
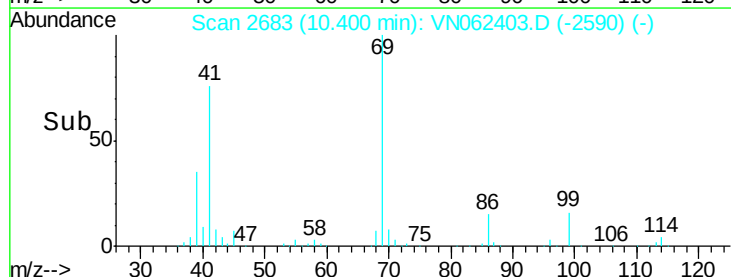
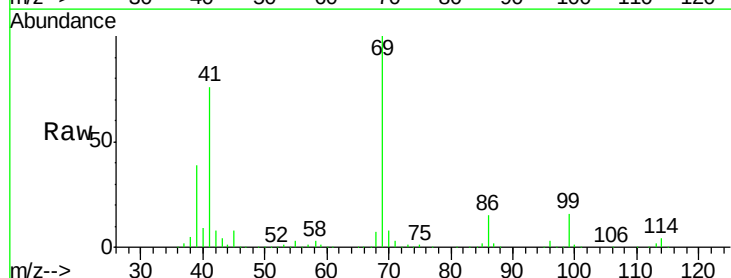
Manual Integrations
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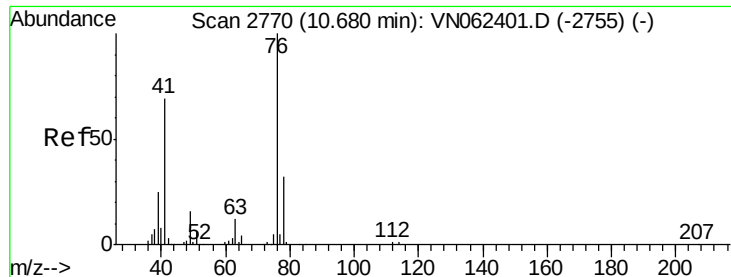
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7/9/2020 10:54:56 AM



#56
Ethyl methacrylate
Concen: 169.211 ug/l
RT: 10.40 min Scan# 2683
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.1	59.7	89.5
39	38.1	30.6	45.8





#57

1,3-Dichloropropane

Concen: 150.421 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 683153

Ion Ratio Lower Upper

76 100

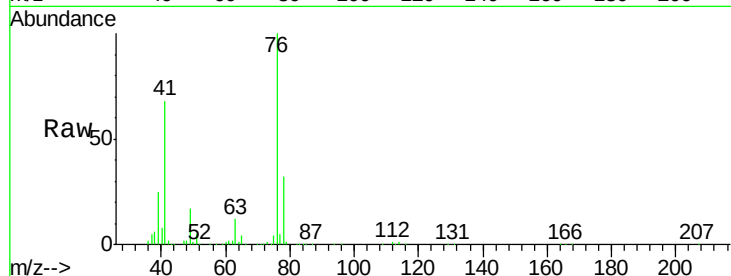
78 32.1 25.6 38.4

Manual Integrations

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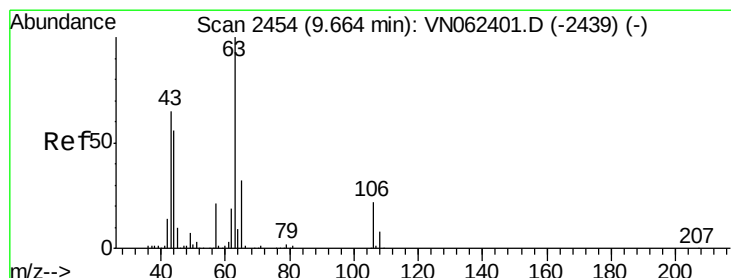
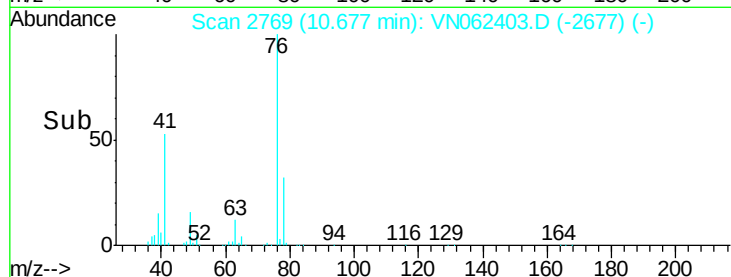
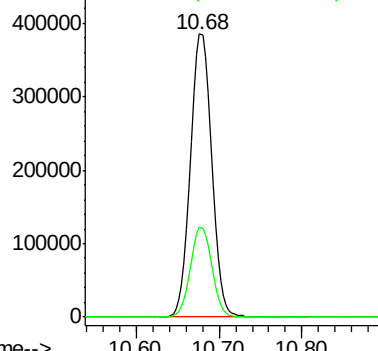
MMDadoda

7/9/2020 10:54:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 895.690 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062403.D

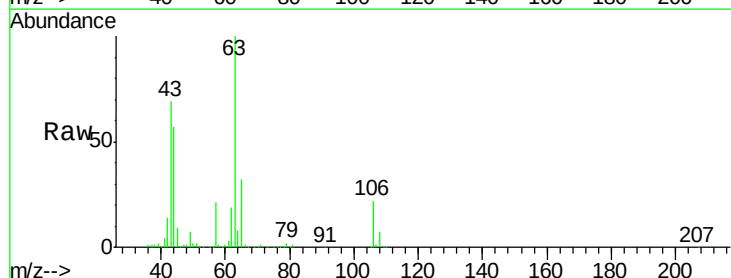
Acq: 8 Jul 2020 12:15

Tgt Ion: 63 Resp: 1255981

Ion Ratio Lower Upper

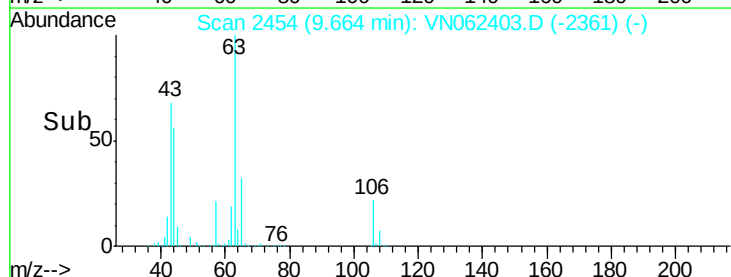
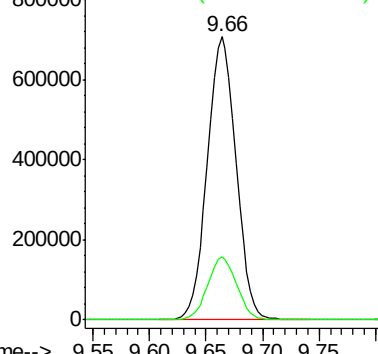
63 100

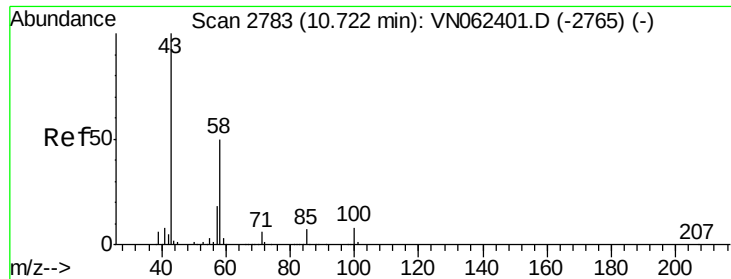
106 22.4 17.6 26.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





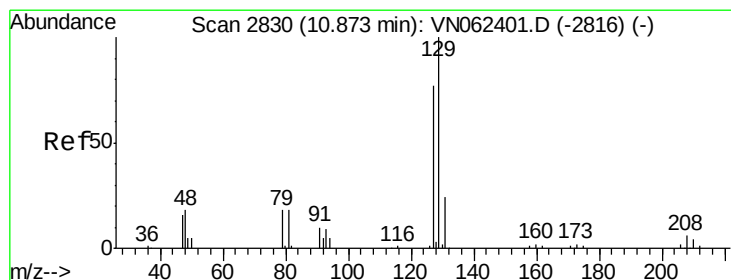
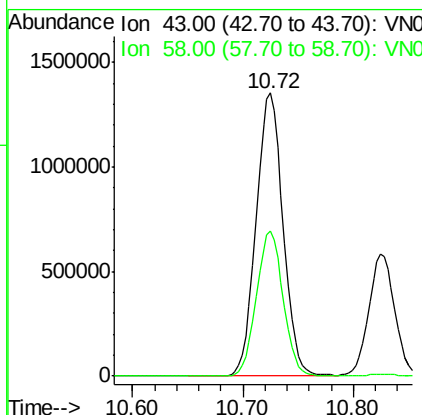
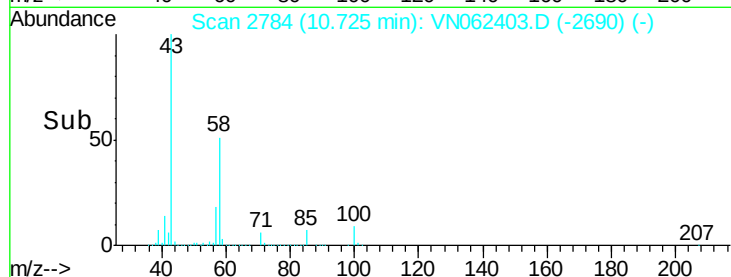
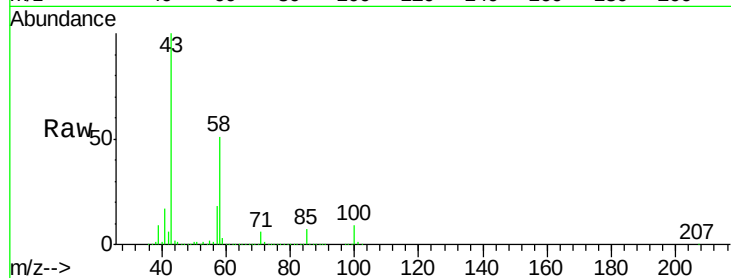
#59
2-Hexanone
Concen: 804.652 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2288030
Ion Ratio Lower Upper
43 100
58 50.9 25.1 75.2

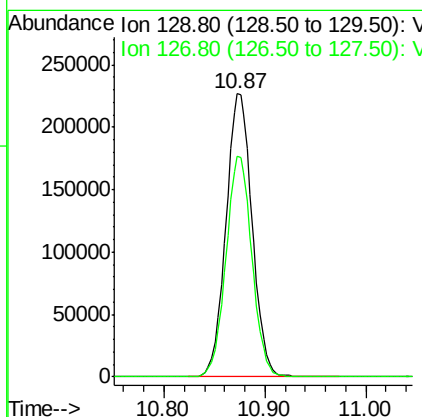
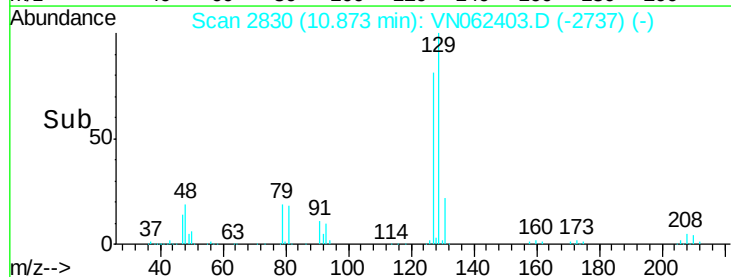
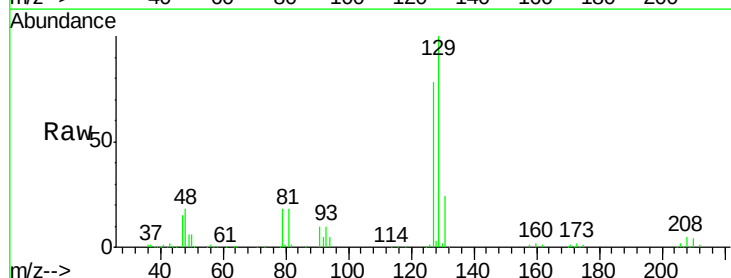
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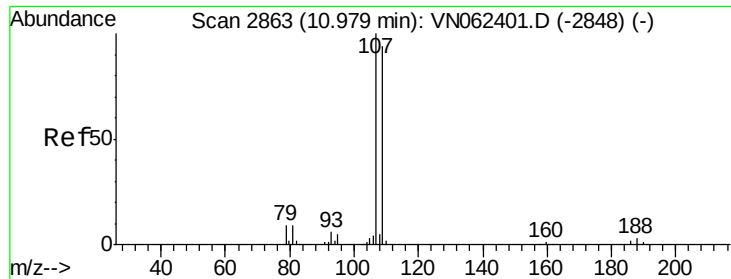
MMDadoda
7/9/2020 10:54:56 AM



#60
Dibromochloromethane
Concen: 148.221 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion: 129 Resp: 409885
Ion Ratio Lower Upper
129 100
127 77.5 38.6 115.8





#61

1,2-Dibromoethane

Concen: 152.223 ug/l

RT: 10.98 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 381782

Ion Ratio Lower Upper

107 100

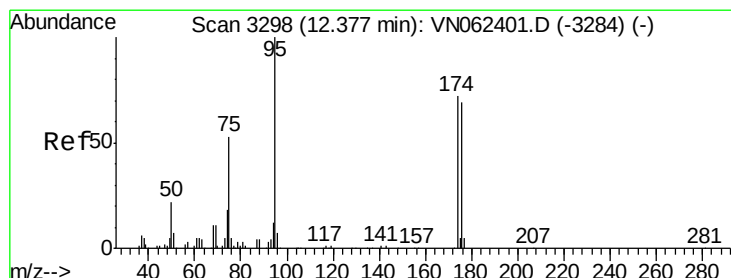
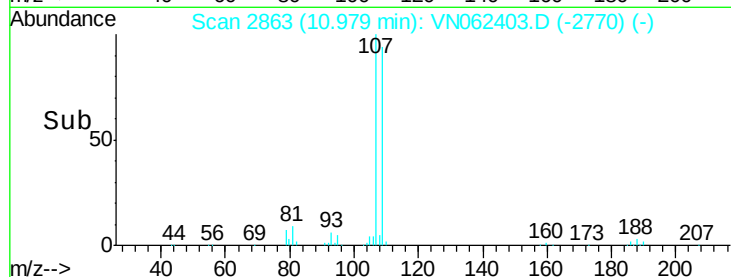
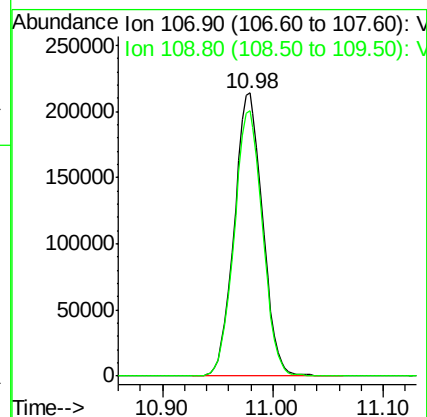
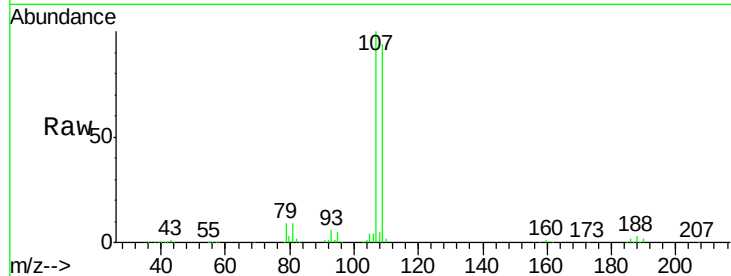
109 93.9 75.6 113.4

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#62

4-Bromofluorobenzene

Concen: 157.709 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

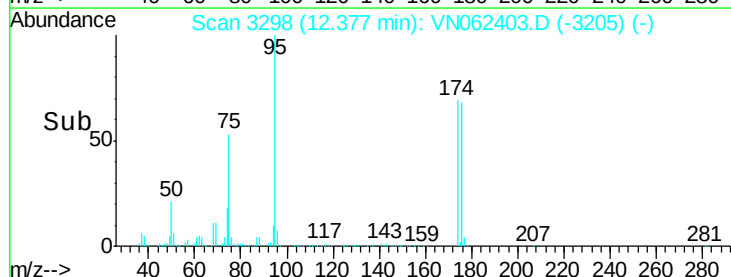
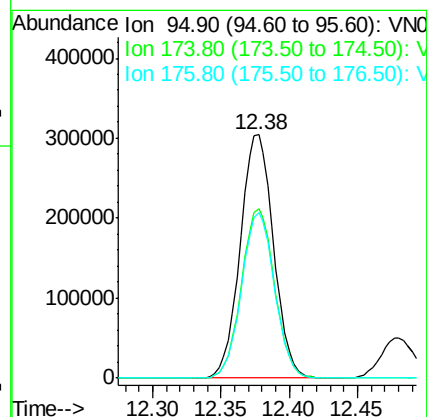
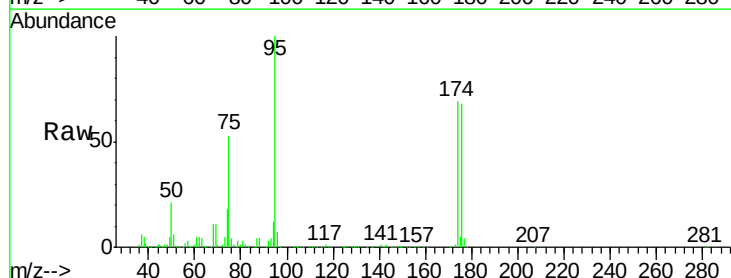
Tgt Ion: 95 Resp: 514728

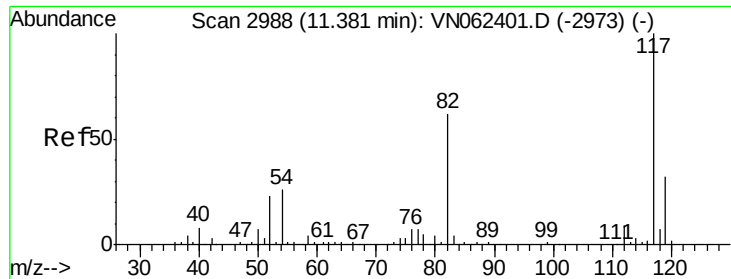
Ion Ratio Lower Upper

95 100

174 69.4 0.0 141.6

176 67.3 0.0 137.2





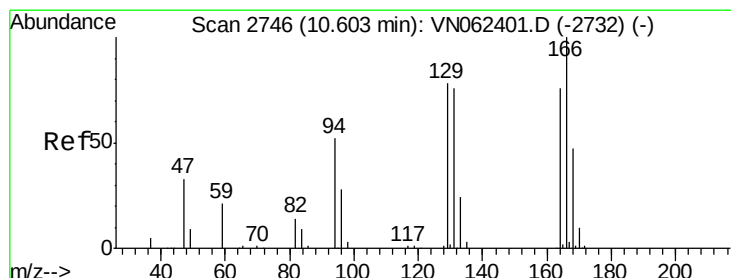
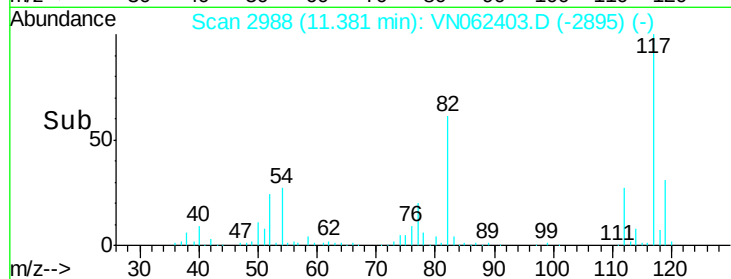
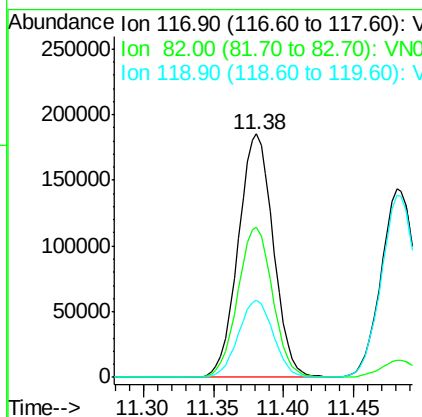
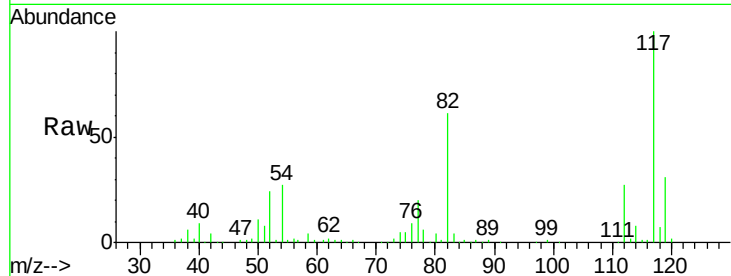
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.6	74.4
119	31.5	25.4	38.0

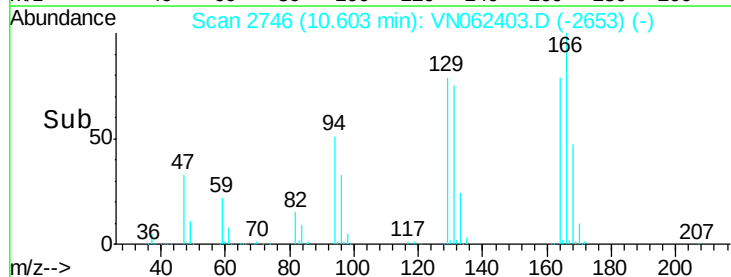
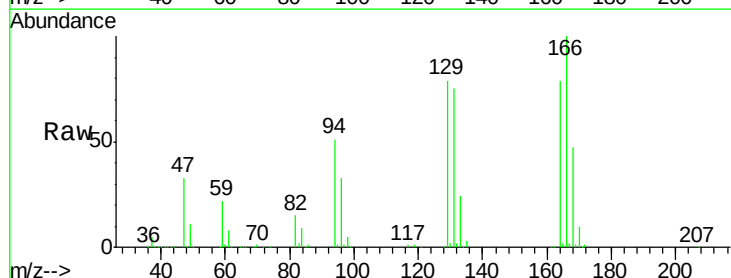
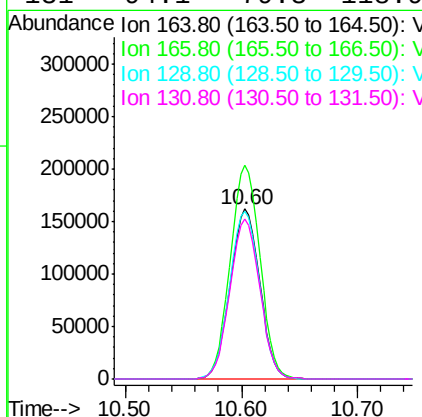
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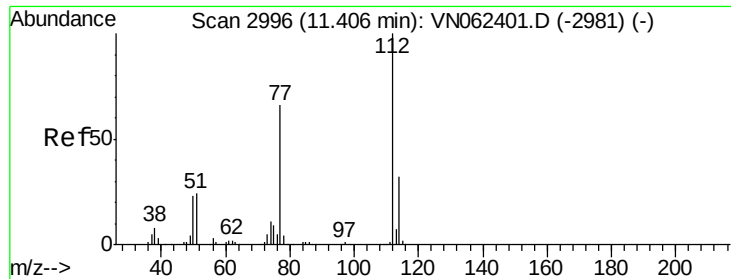
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#64
Tetrachloroethene
Concen: 137.295 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	104.9	157.3
129	99.1	81.8	122.6
131	94.1	79.3	118.9





#65

Chlorobenzene

Concen: 146.650 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:112 Resp: 974161

Ion Ratio Lower Upper

112 100

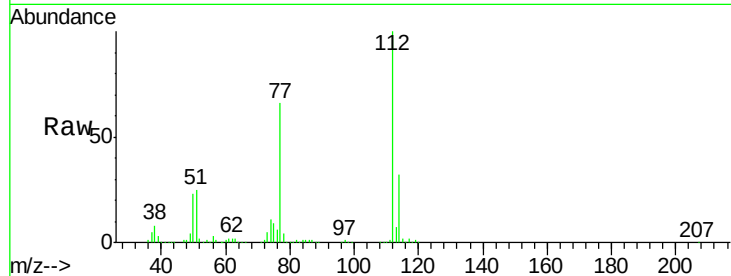
114 31.8 25.9 38.9

Manual Integrations

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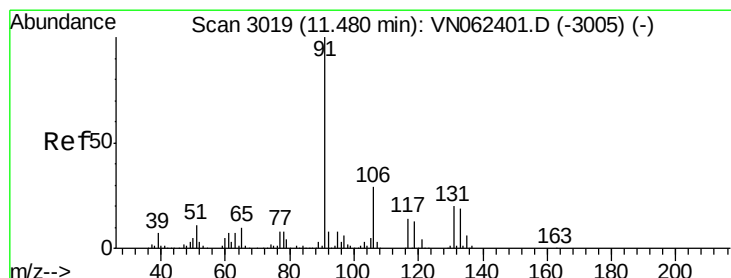
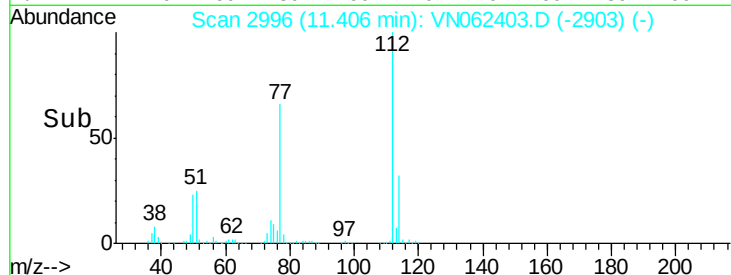
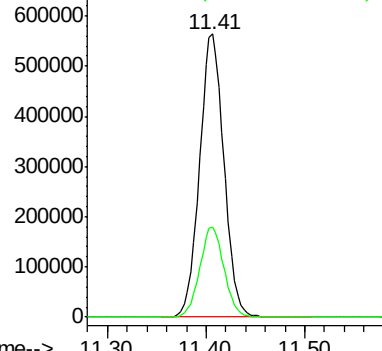
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 144.660 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

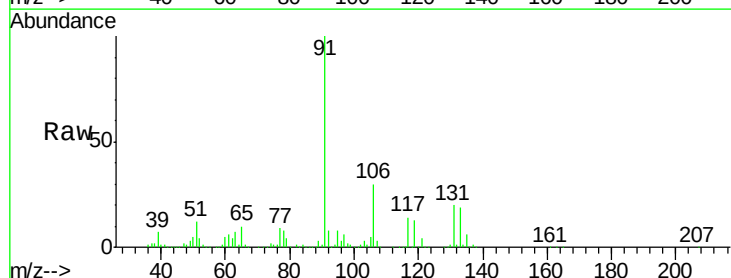
Tgt Ion:131 Resp: 360520

Ion Ratio Lower Upper

131 100

133 95.0 46.9 140.8

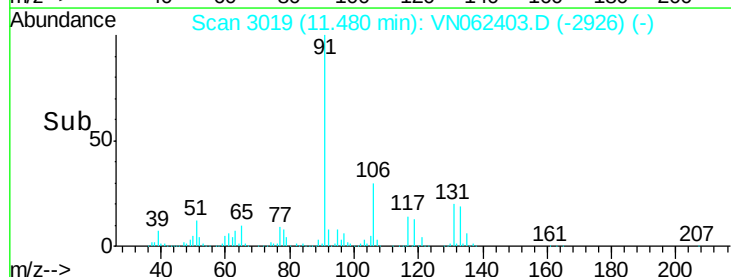
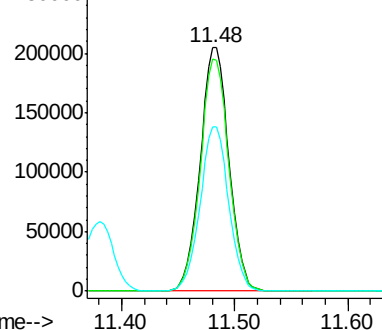
119 67.3 33.2 99.6

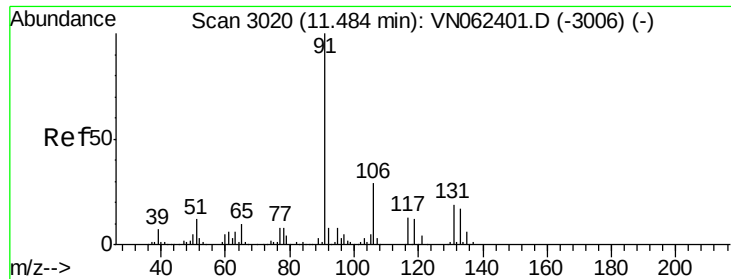


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 157.805 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1854611

Ion Ratio Lower Upper

91 100

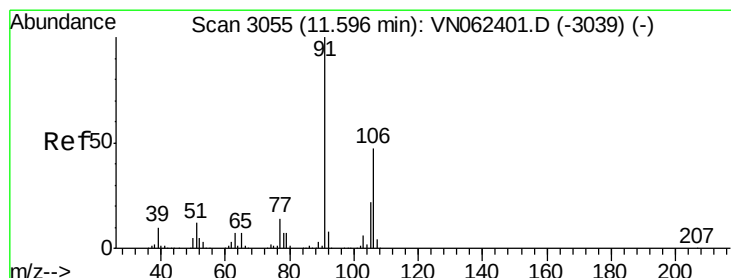
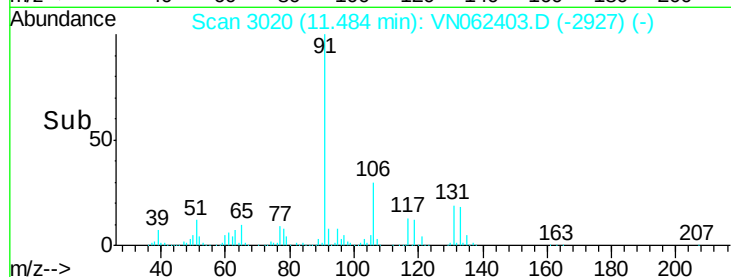
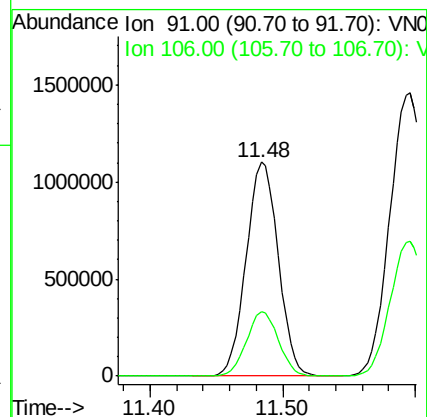
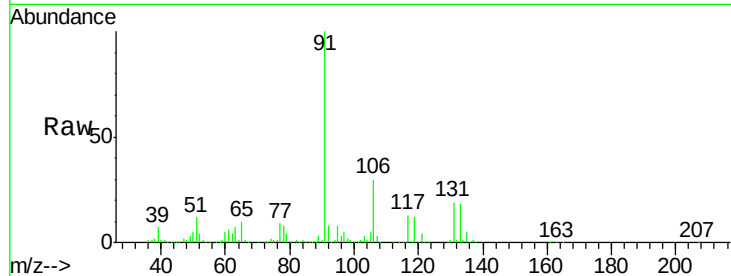
106 30.2 23.4 35.2

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#68

m/p-Xylenes

Concen: 310.607 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. 0.00 min

Lab File: VN062403.D

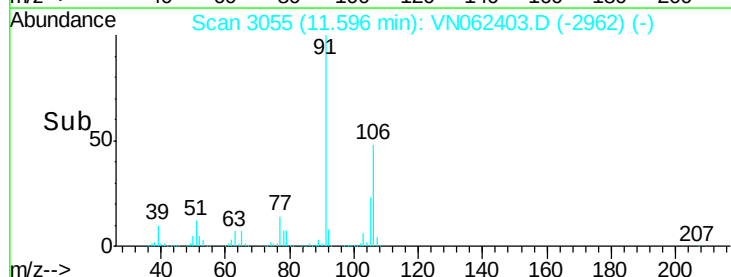
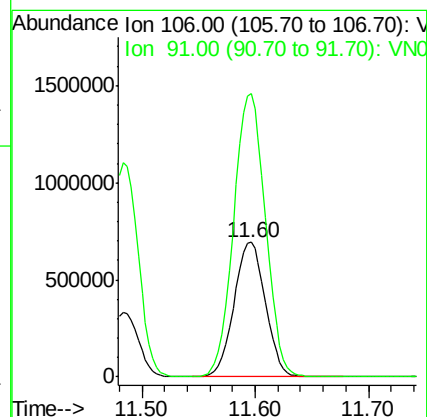
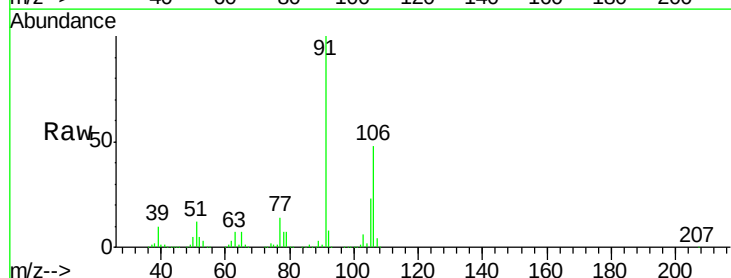
Acq: 8 Jul 2020 12:15

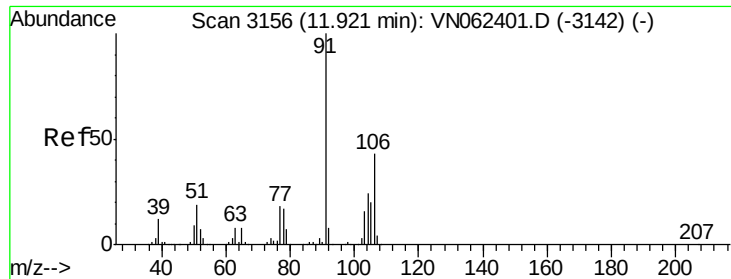
Tgt Ion: 106 Resp: 1334611

Ion Ratio Lower Upper

106 100

91 213.0 172.4 258.6





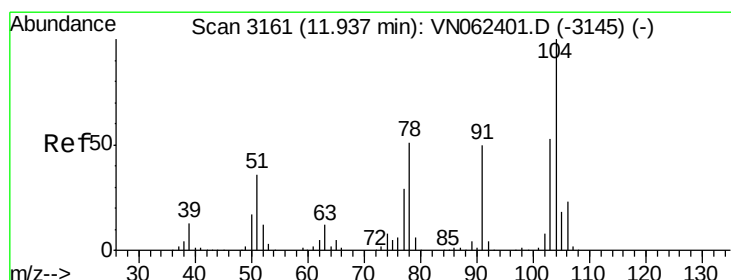
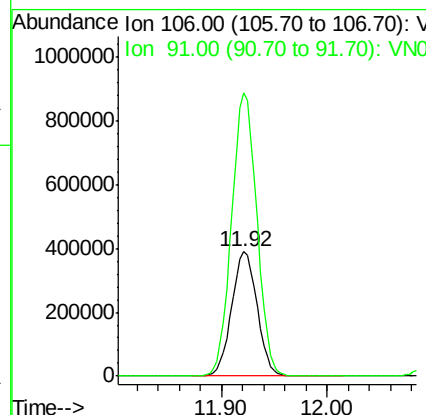
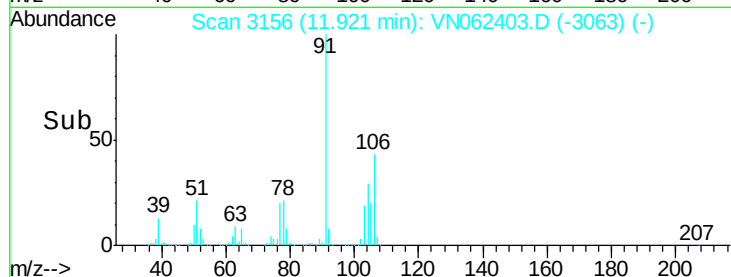
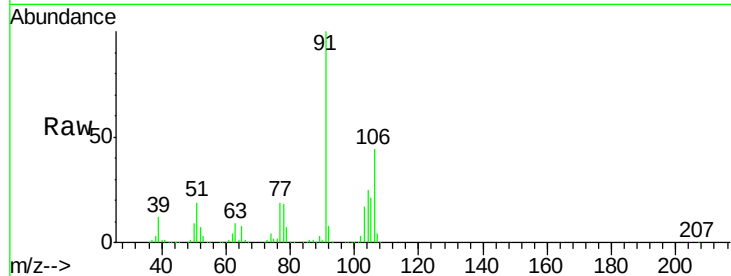
#69
o-Xylene
Concen: 153.362 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:106 Resp: 650008
Ion Ratio Lower Upper
106 100
91 226.3 113.8 341.4

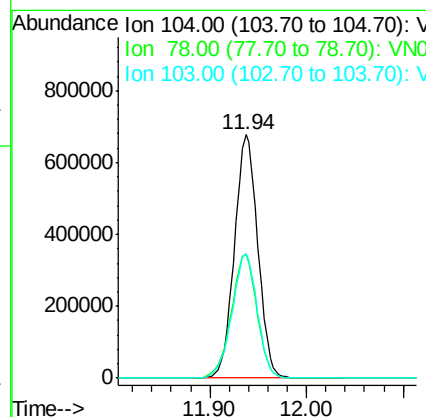
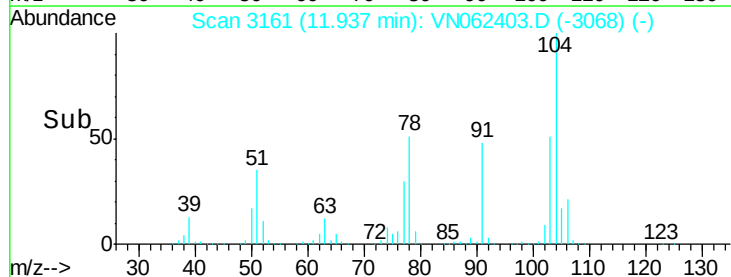
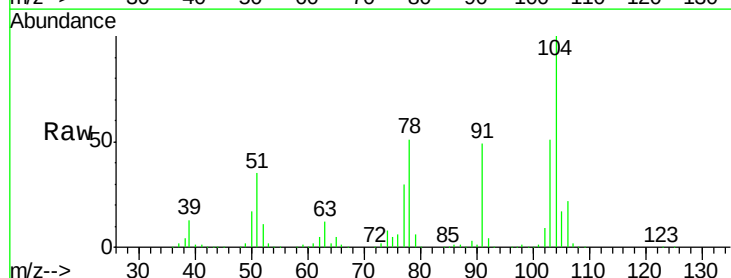
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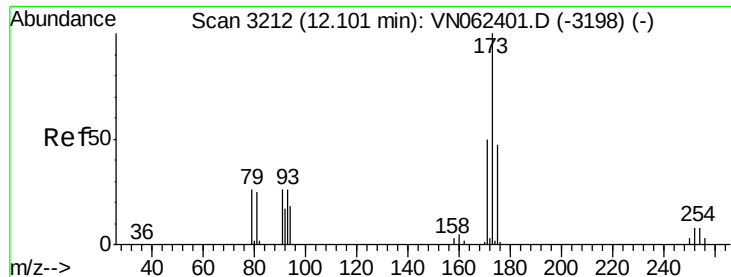
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#70
Styrene
Concen: 162.470 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion:104 Resp: 1138041
Ion Ratio Lower Upper
104 100
78 55.5 44.2 66.4
103 55.0 44.4 66.6





#71

Bromoform

Concen: 147.799 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

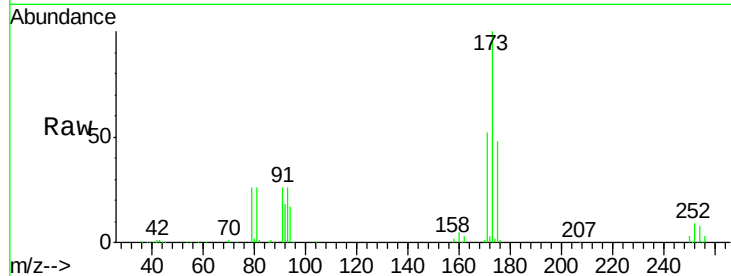
ClientSampled :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	23.7	71.1
254	0.1	0.0	0.0

Manual Integrations
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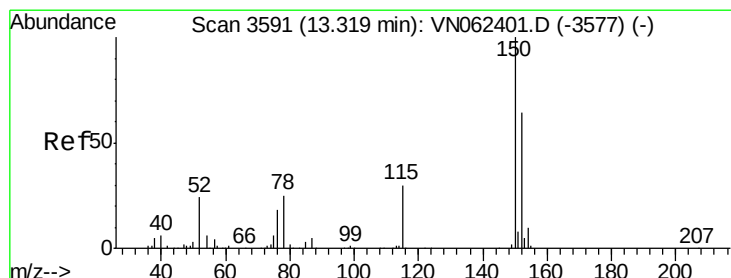
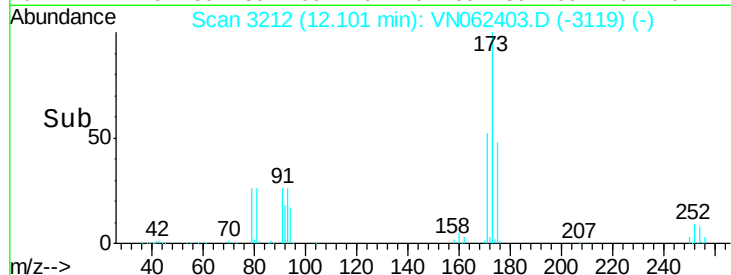
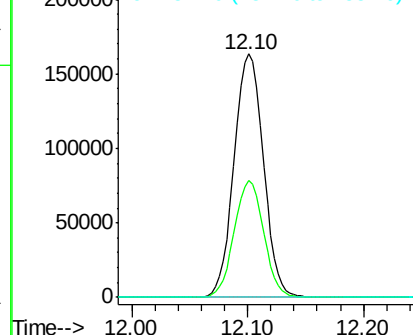
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

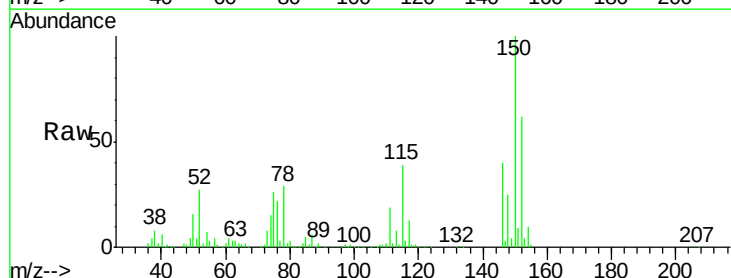
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

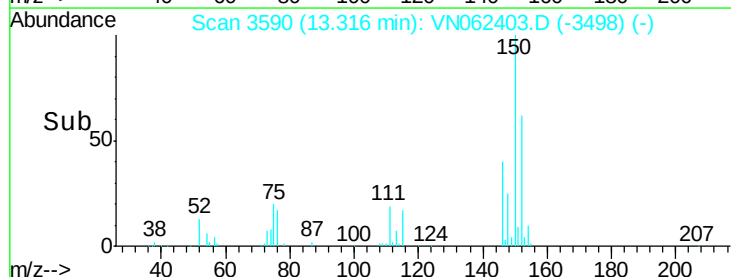
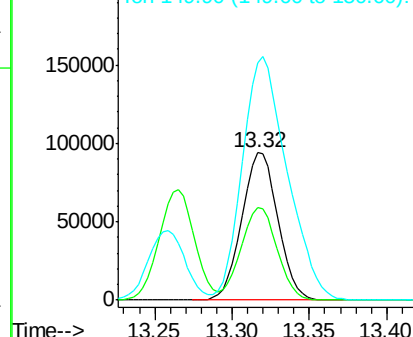
Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.4	94.2
150	205.6	0.0	347.4

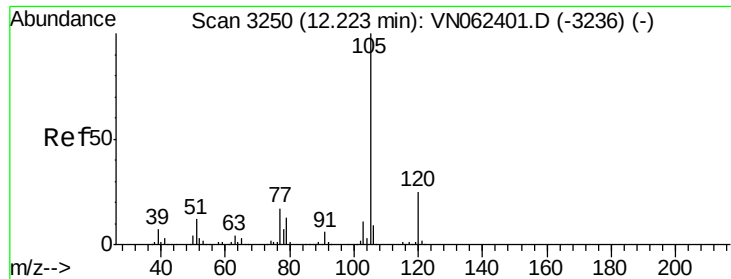


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 152.573 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1742783

Ion Ratio Lower Upper

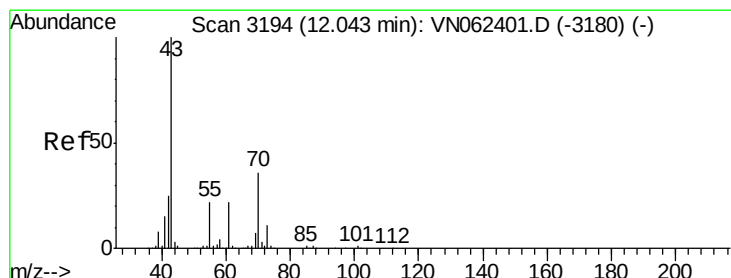
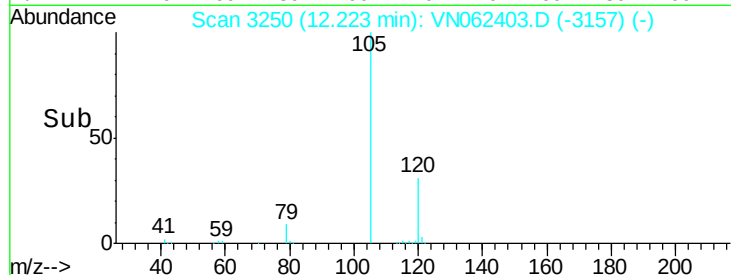
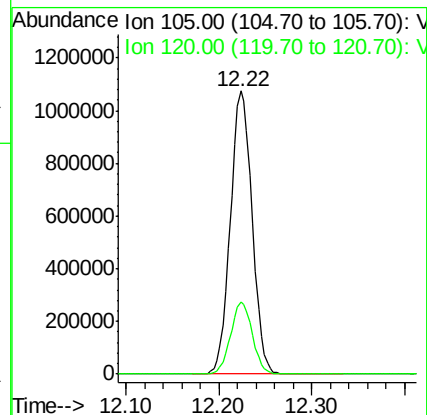
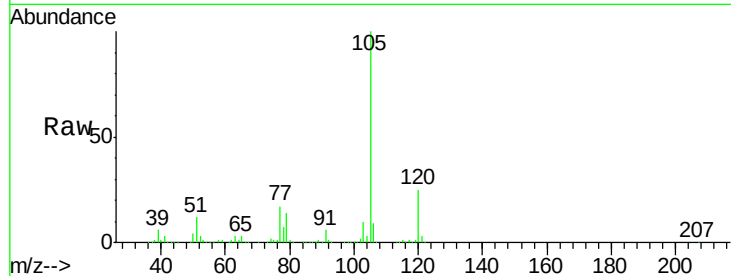
105 100

120 25.4 12.7 38.1

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#74

N-ethyl acetate

Concen: 158.680 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Tgt Ion: 43 Resp: 960201

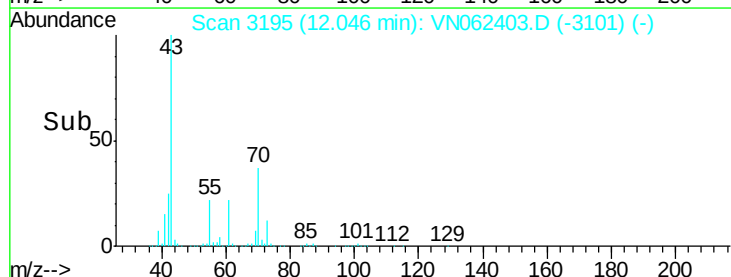
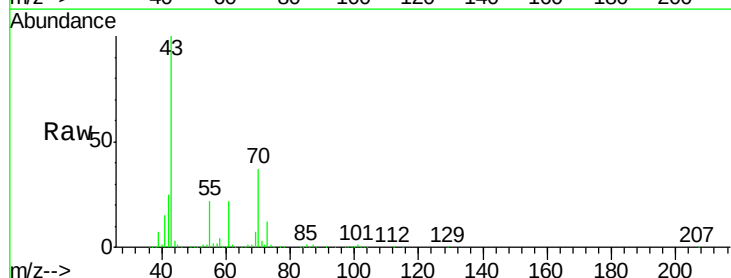
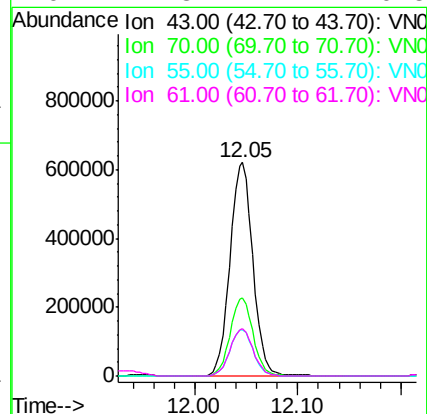
Ion Ratio Lower Upper

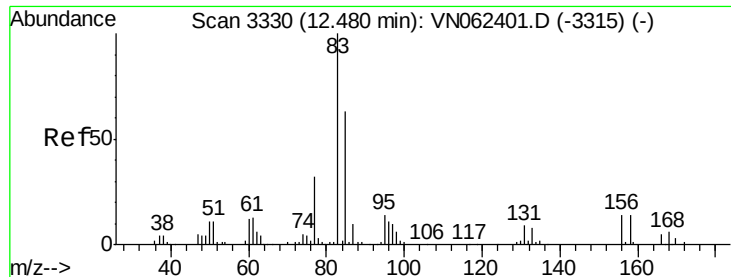
43 100

70 36.7 30.0 45.0

55 22.2 18.2 27.4

61 22.3 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 143.034 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

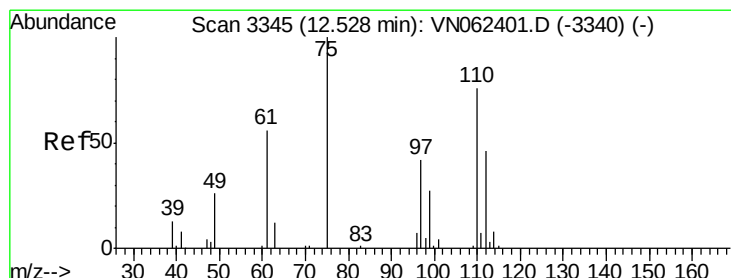
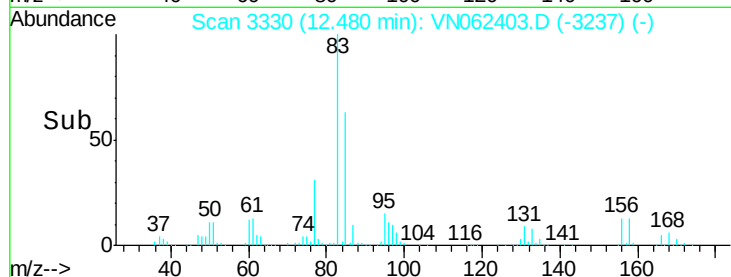
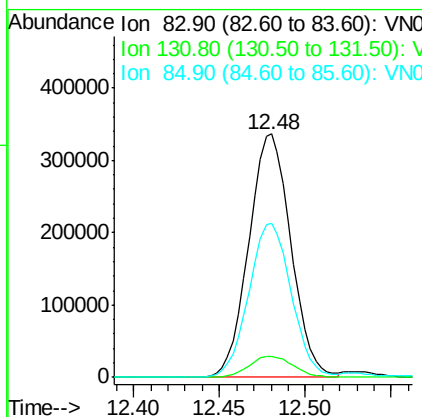
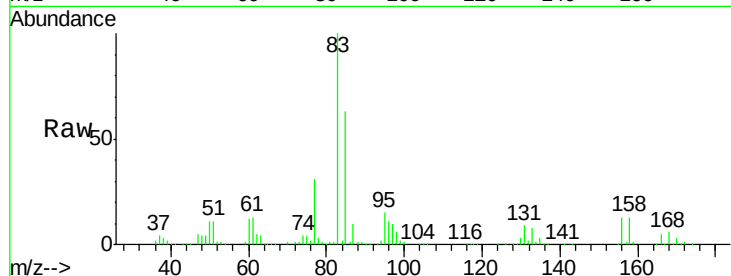
ClientSampled :

VSTDIC150

Tot Ion:	83	Resp:	572350
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.5	13.5
85	63.7	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 152.888 ug/l m

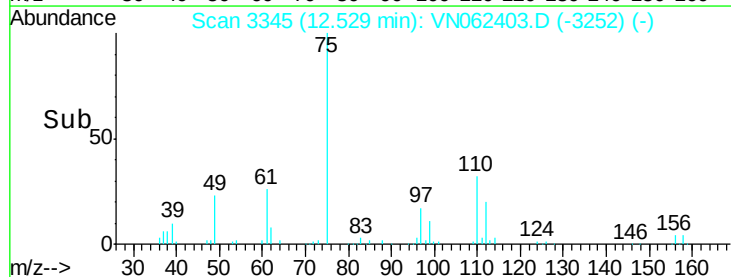
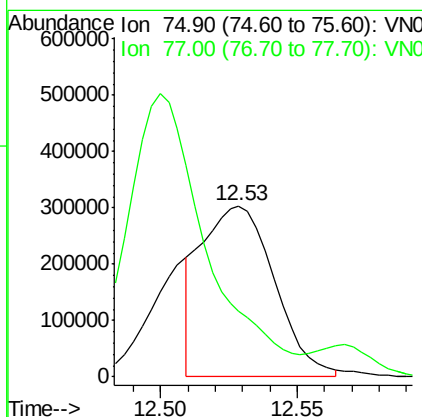
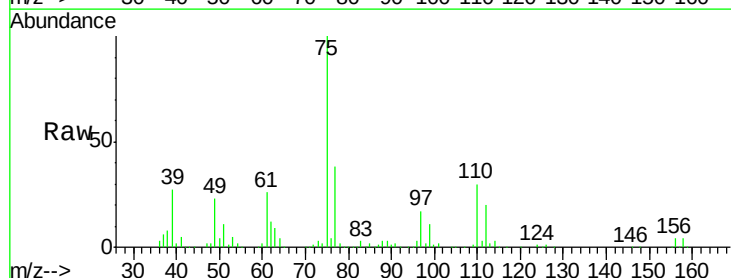
RT: 12.53 min Scan# 3345

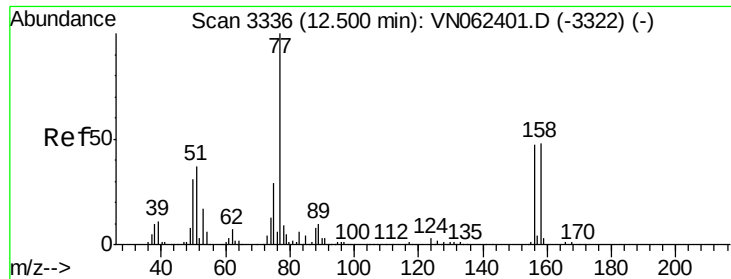
Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Tgt Ion:	75	Resp:	562609
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 149.036 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

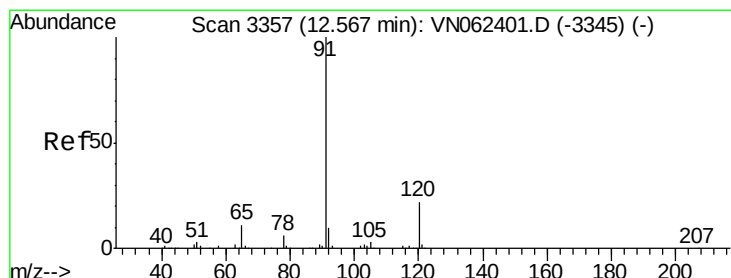
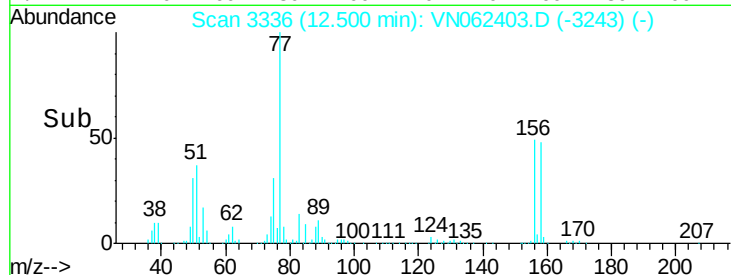
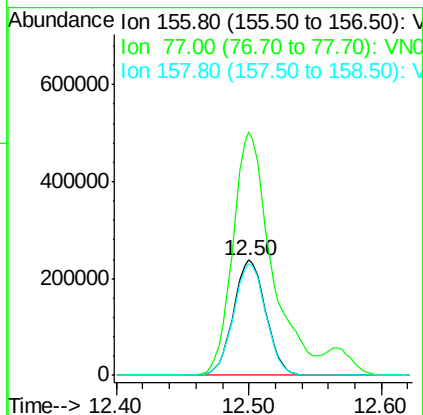
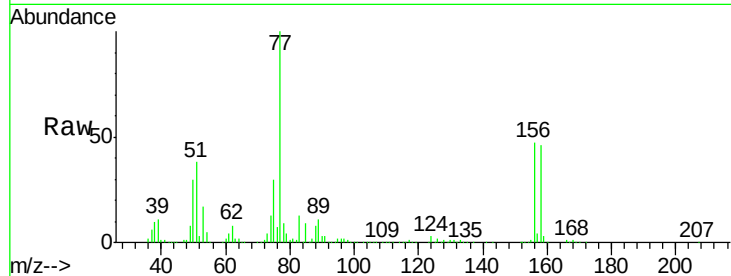
ClientSampled :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	253.7	126.4	379.3
158	97.3	49.8	149.4

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#78

n-propylbenzene

Concen: 162.275 ug/l

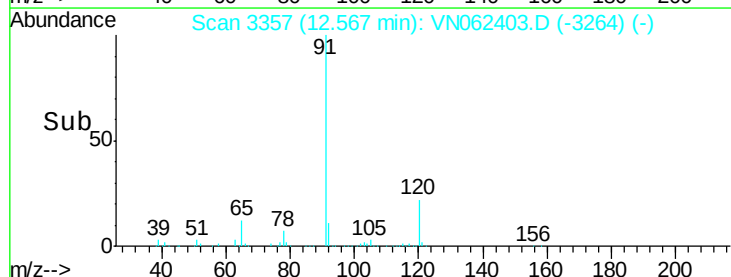
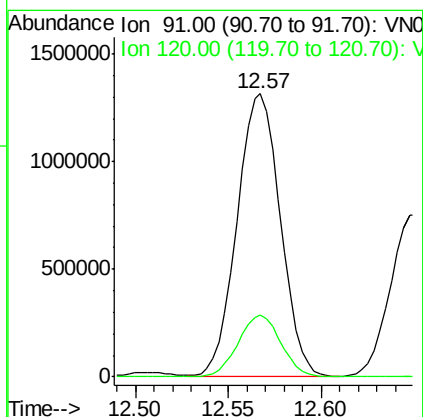
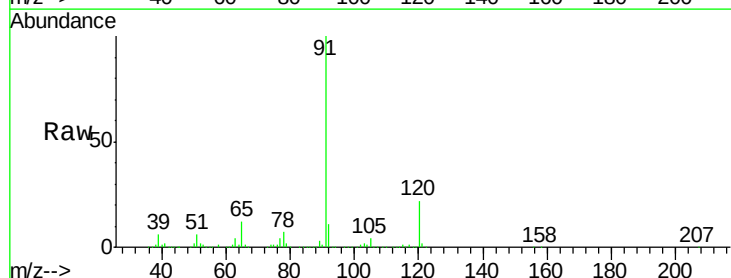
RT: 12.57 min Scan# 3357

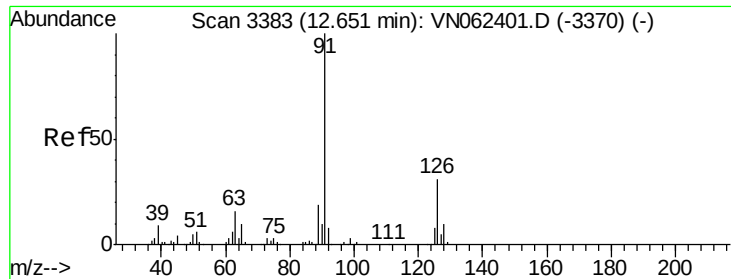
Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.7	32.1





#79

2-Chlorotoluene

Concen: 151.759 ug/l

RT: 12.65 min Scan# 3383

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 1257375

Ion Ratio Lower Upper

91 100

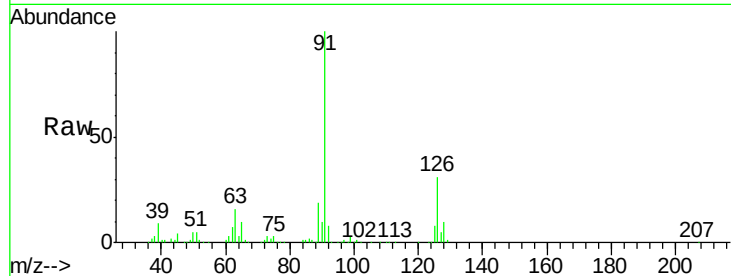
126 31.1 15.6 46.7

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Abundance Ion 91.00 (90.70 to 91.70): VN062403.D (-3383) (-)

Ion 125.90 (125.60 to 126.60): VN062403.D (-3383) (-)

1200000

1000000

800000

600000

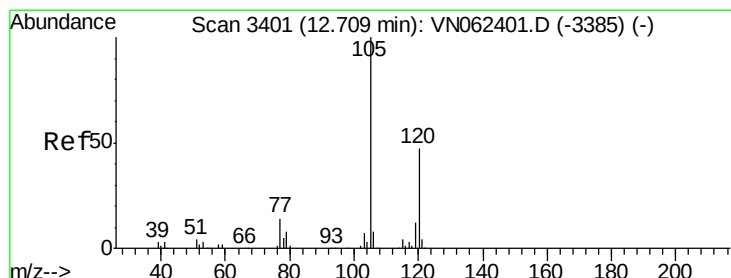
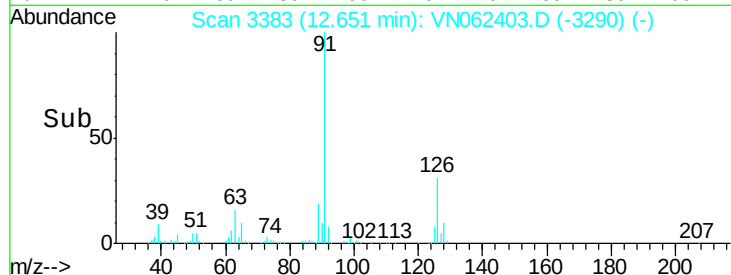
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 157.321 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062403.D

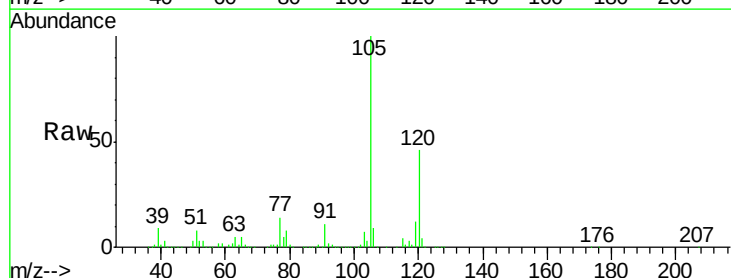
Acq: 8 Jul 2020 12:15

Tgt Ion: 105 Resp: 1505071

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN062403.D (-3401) (-)

Ion 120.00 (119.70 to 120.70): VN062403.D (-3401) (-)

1000000

800000

600000

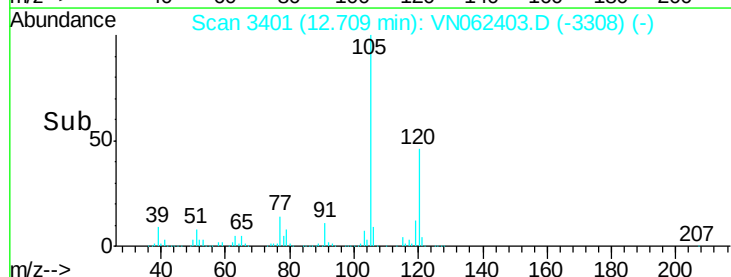
400000

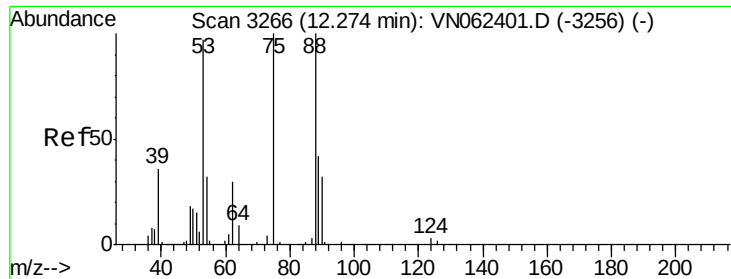
200000

0

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 167.129 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 221140

Ion Ratio Lower Upper

75 100

53 96.5 79.2 118.8

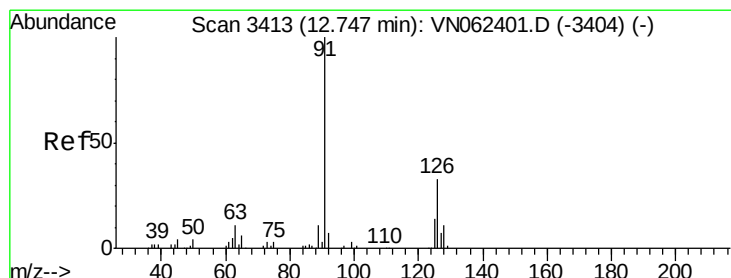
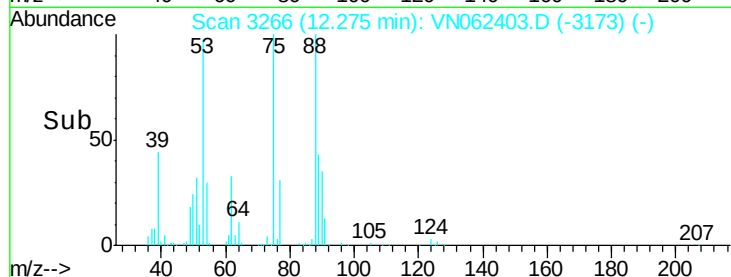
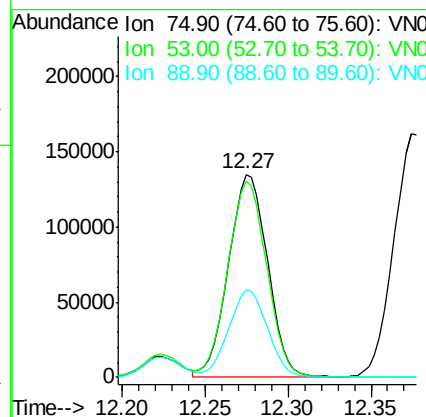
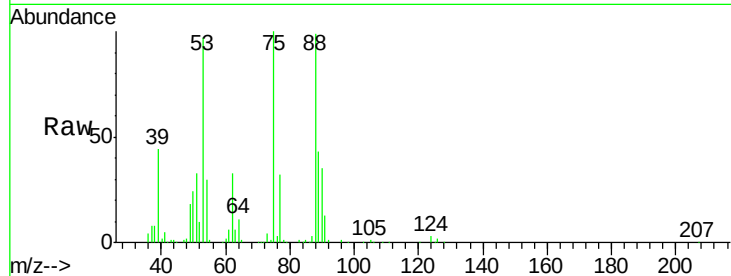
89 43.2 34.6 52.0

Manual Integrations

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#82

4-Chlorotoluene

Concen: 157.660 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062403.D

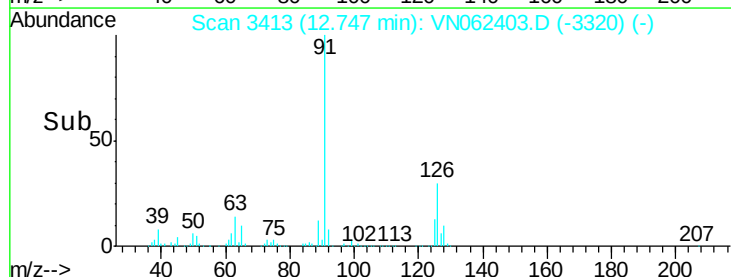
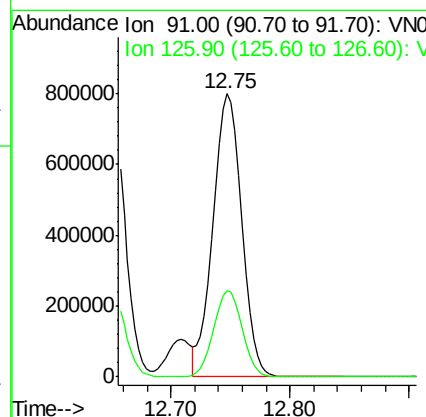
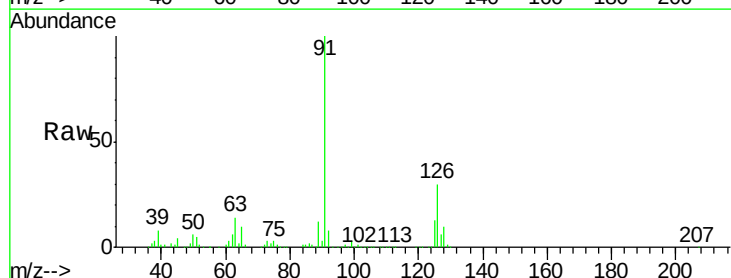
Acq: 8 Jul 2020 12:15

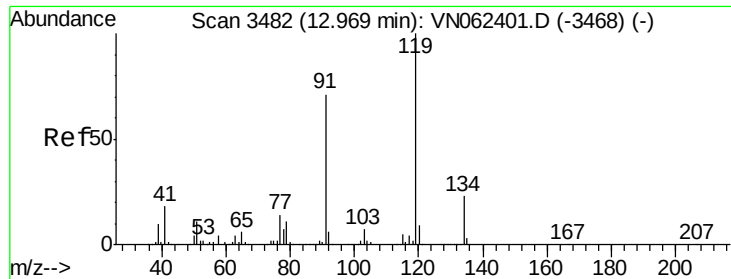
Tgt Ion: 91 Resp: 1333572

Ion Ratio Lower Upper

91 100

126 30.3 15.2 45.6





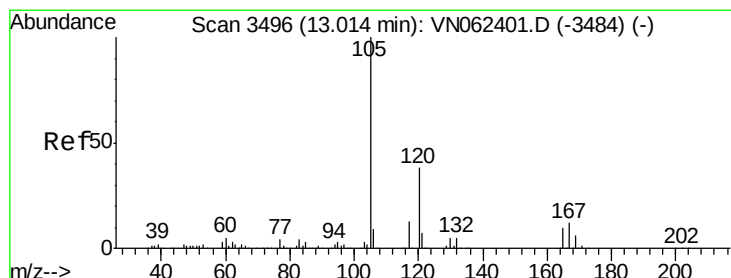
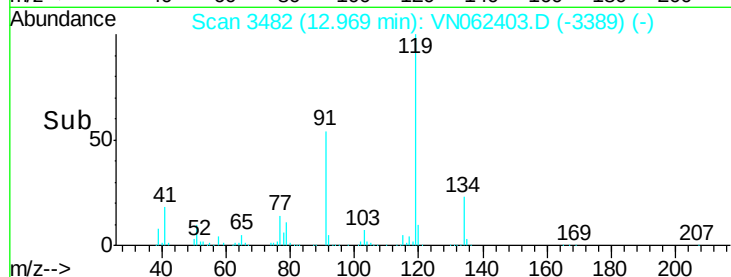
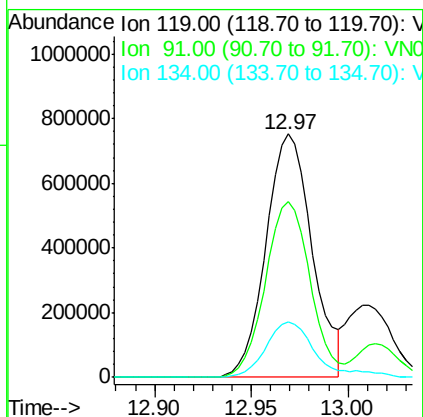
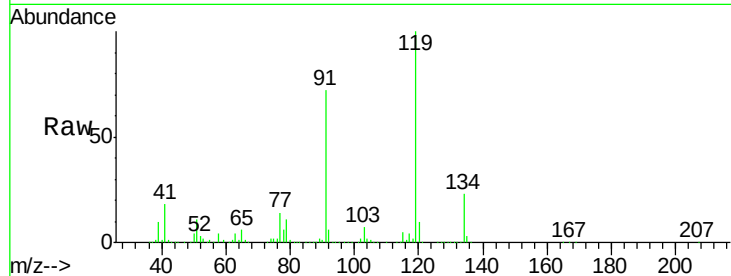
#83
 tert-Butylbenzene
 Concen: 153.375 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062403.D
 Acq: 8 Jul 2020 12:15

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion:119 Resp: 1250707
 Ion Ratio Lower Upper
 119 100
 91 70.2 34.8 104.3
 134 24.6 11.7 35.0

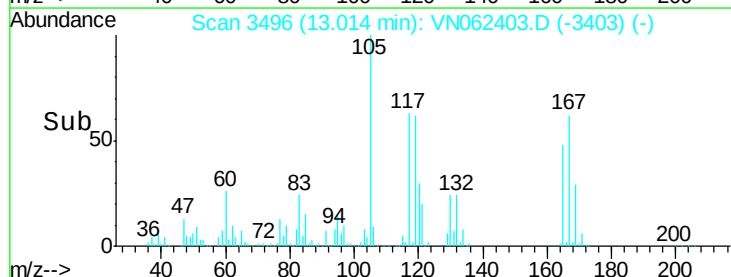
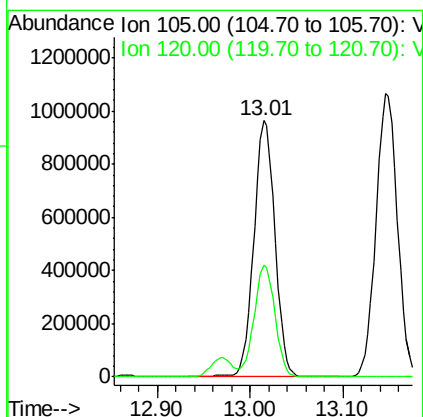
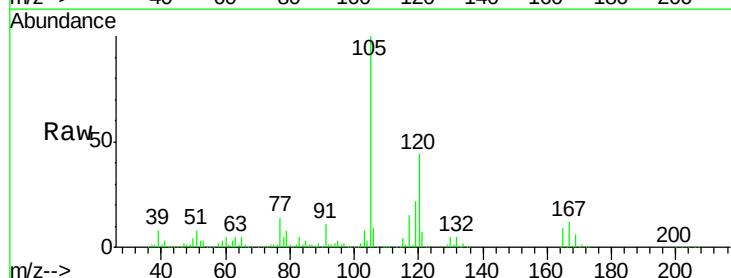
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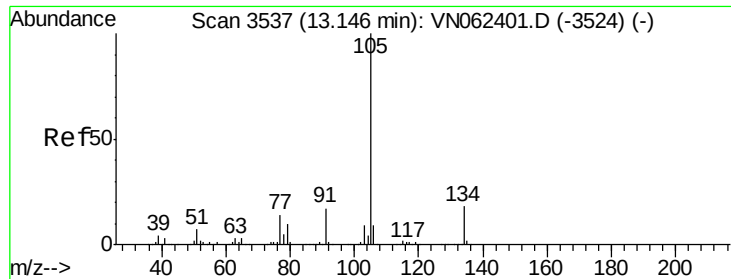
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#84
 1,2,4-Trimethylbenzene
 Concen: 160.462 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062403.D
 Acq: 8 Jul 2020 12:15

Tgt Ion:105 Resp: 1519432
 Ion Ratio Lower Upper
 105 100
 120 43.0 21.6 64.8





#85

sec-Butylbenzene

Concen: 163.543 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1702626

Ion Ratio Lower Upper

105 100

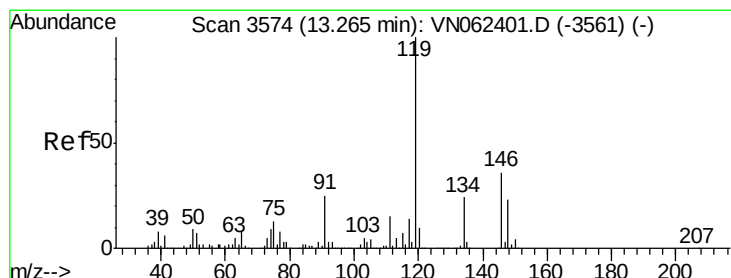
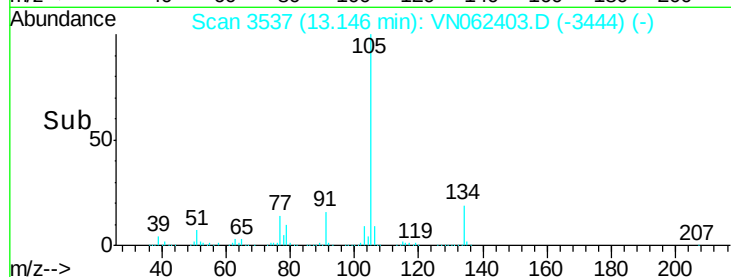
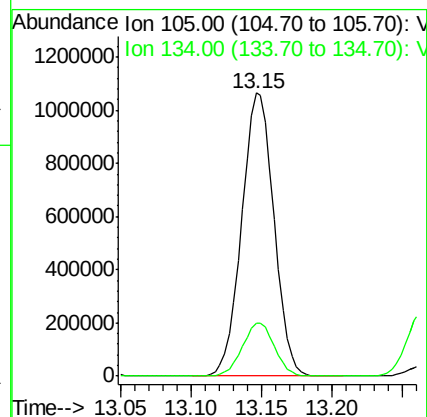
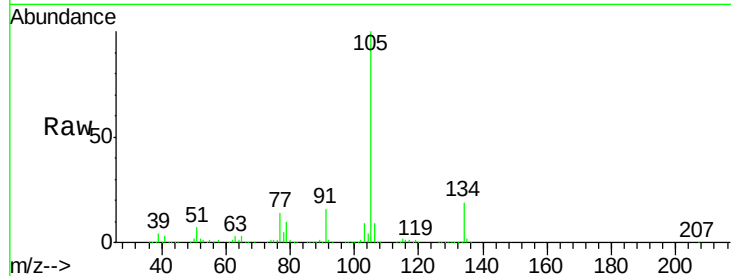
134 18.8 9.3 28.0

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#86

p-Isopropyltoluene

Concen: 160.868 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

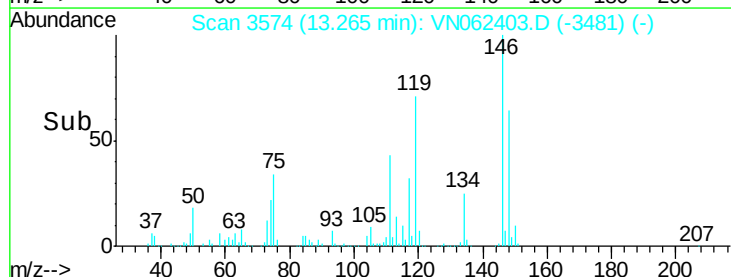
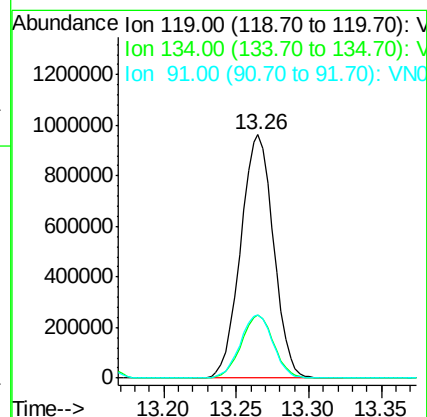
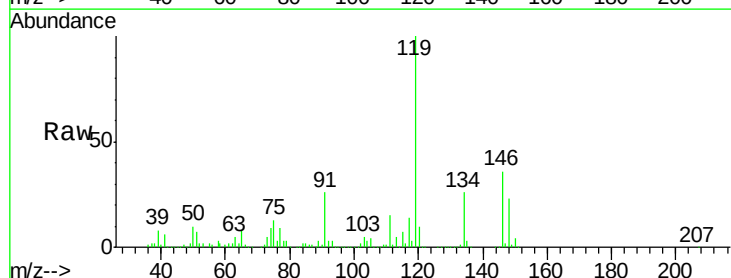
Tgt Ion:119 Resp: 1508036

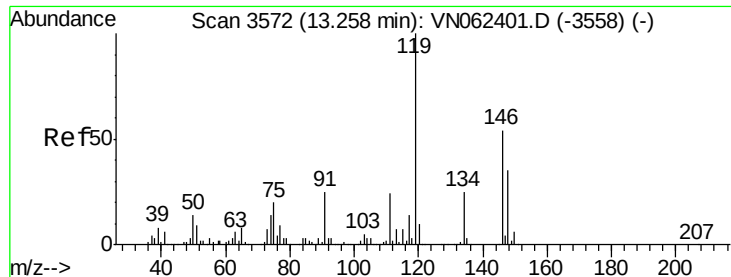
Ion Ratio Lower Upper

119 100

134 25.6 12.4 37.0

91 25.9 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 151.021 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

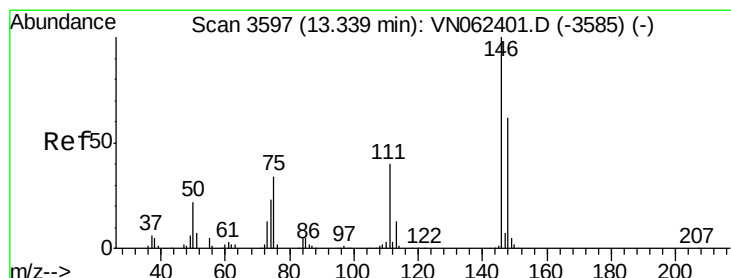
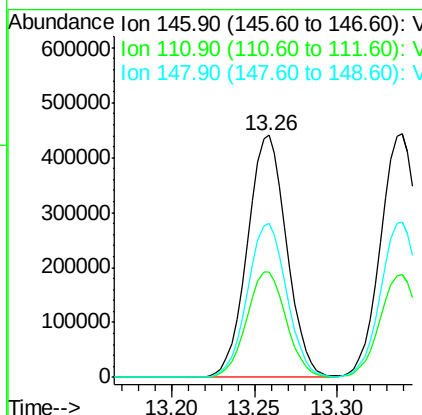
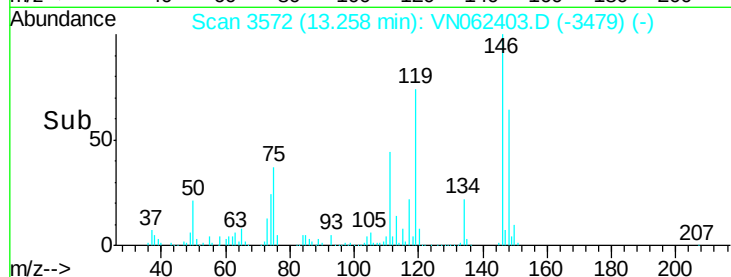
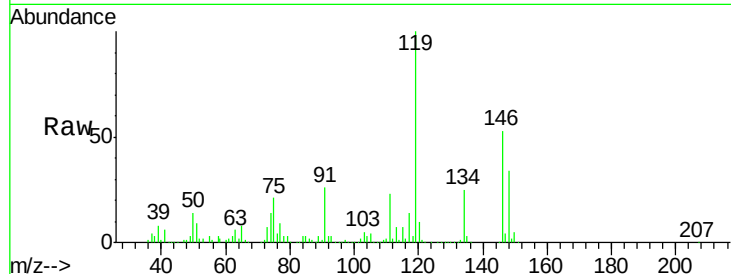
ClientSampled :

VSTDIC150

Tot Ion:	146	Resp:	728276
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.6	64.6
148	63.6	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 145.918 ug/l

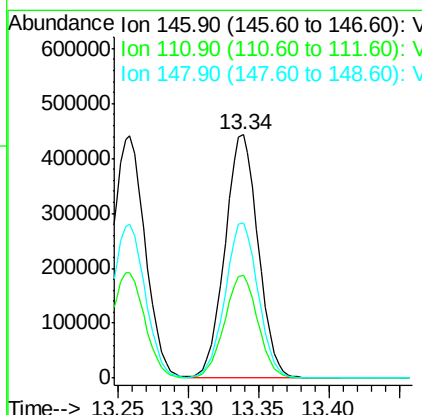
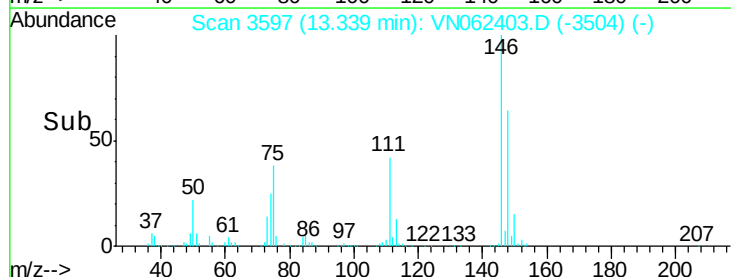
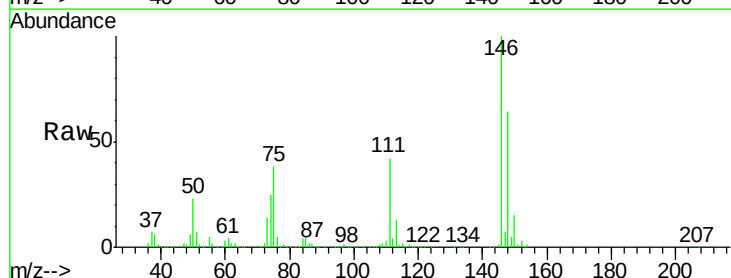
RT: 13.34 min Scan# 3597

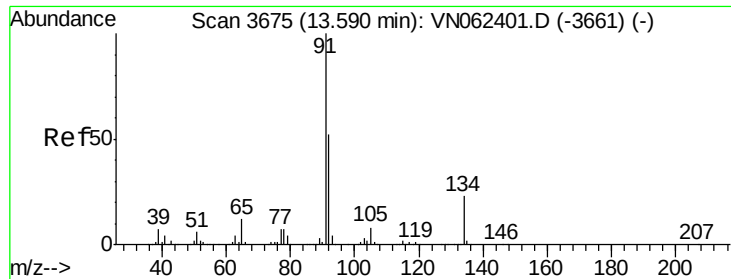
Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Tgt Ion:	146	Resp:	726903
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.1	63.1
148	63.9	31.4	94.2





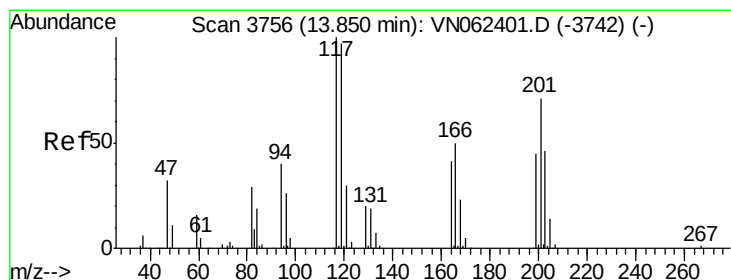
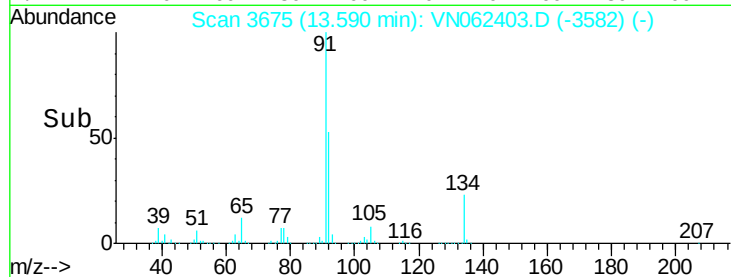
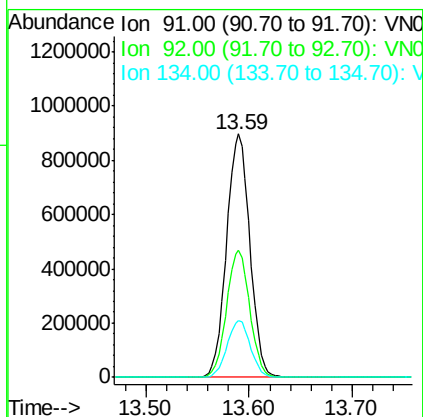
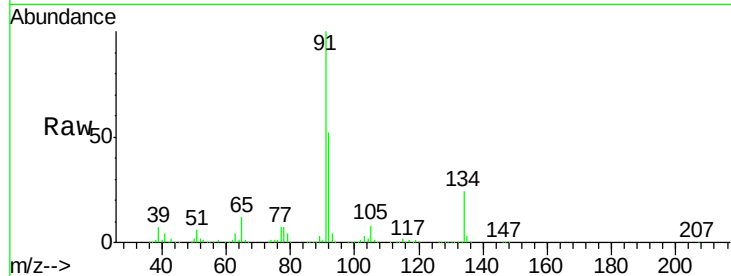
#89
n-Butylbenzene
Concen: 174.858 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 91 Resp: 1412966
Ion Ratio Lower Upper
91 100
92 51.9 25.9 77.7
134 23.4 11.6 34.8

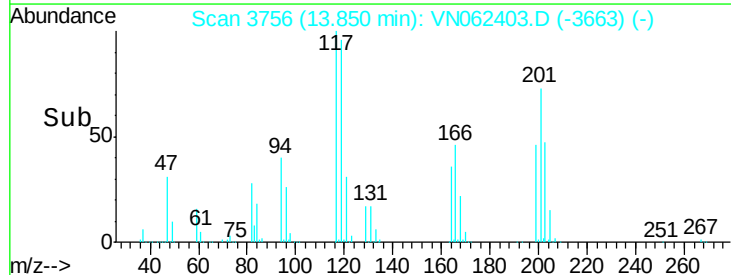
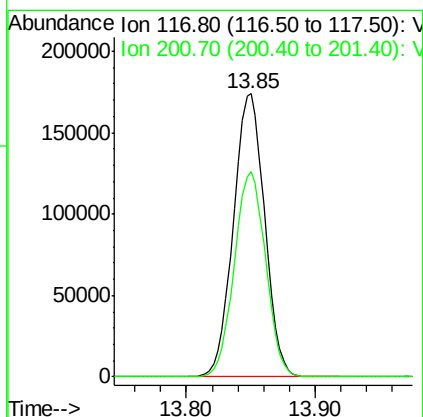
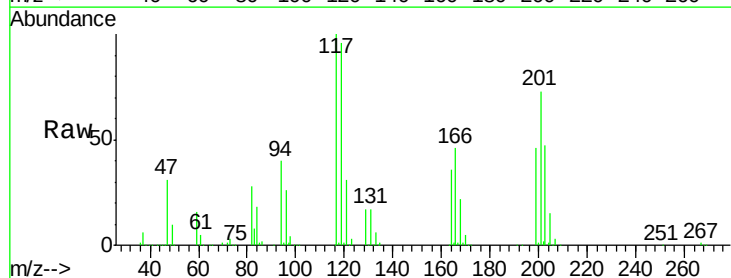
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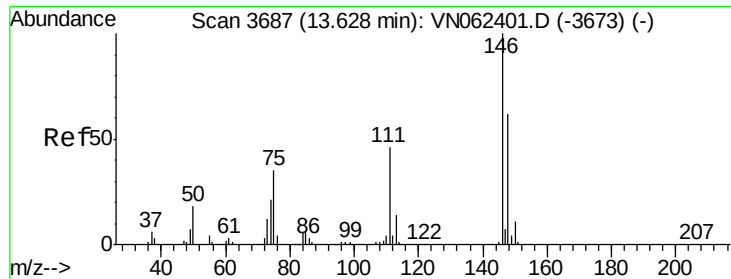
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#90
Hexachloroethane
Concen: 147.110 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion: 117 Resp: 292333
Ion Ratio Lower Upper
117 100
201 72.8 35.4 106.2





#91

1,2-Dichlorobenzene

Concen: 147.834 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:146 Resp: 683129

Ion Ratio Lower Upper

146 100

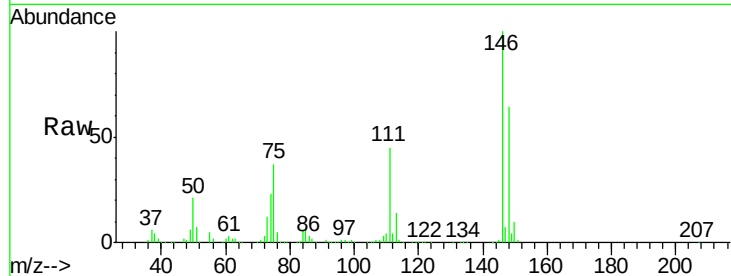
111 45.1 22.5 67.5

148 64.2 31.4 94.2

Manual Integrations
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MMDadoda

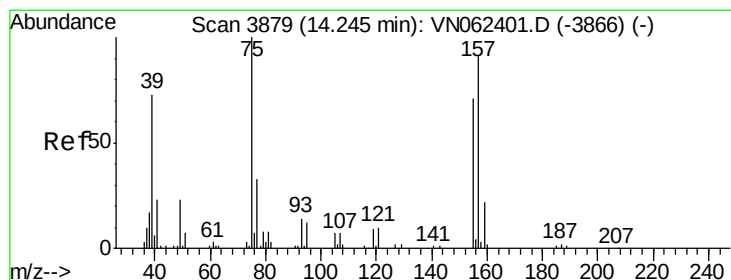
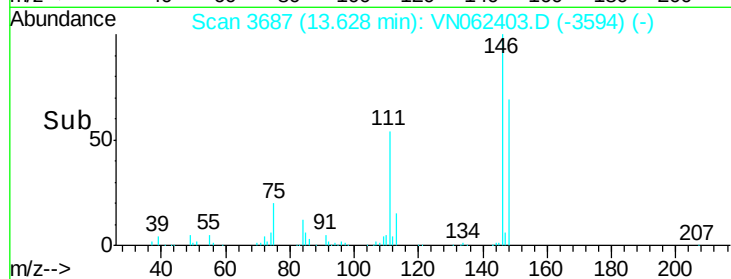
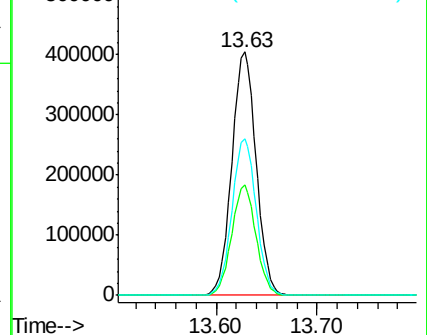
7/9/2020 10:54:56 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 158.013 ug/l

RT: 14.25 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VN062403.D

Acq: 8 Jul 2020 12:15

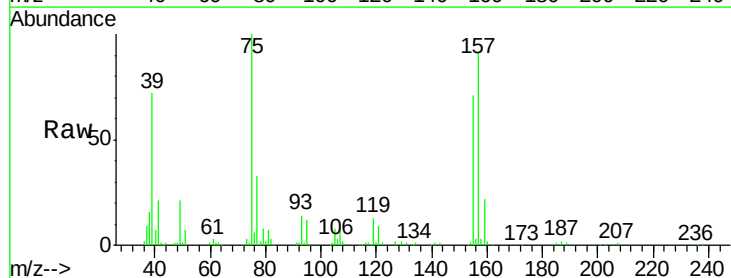
Tgt Ion: 75 Resp: 122171

Ion Ratio Lower Upper

75 100

155 70.0 35.2 105.6

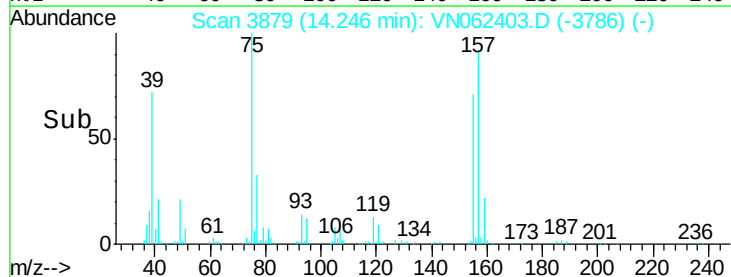
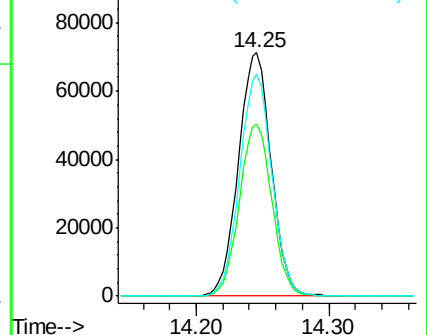
157 89.9 45.8 137.3

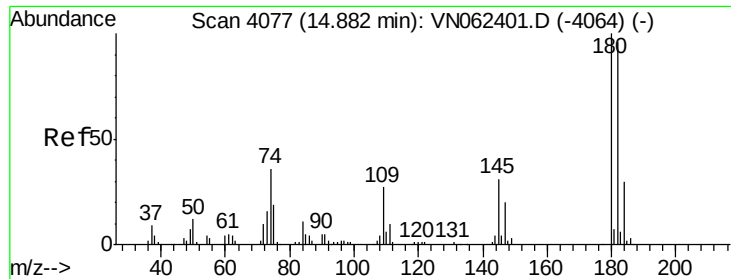


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





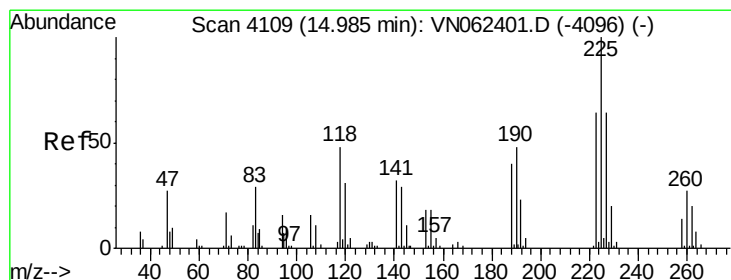
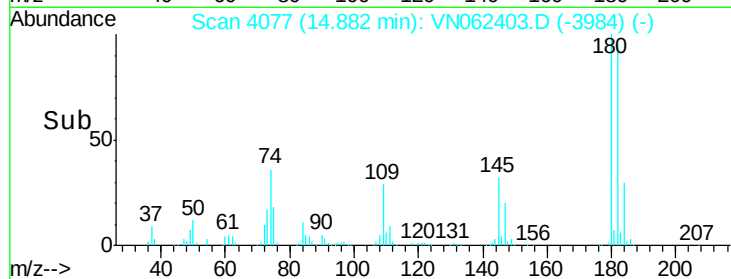
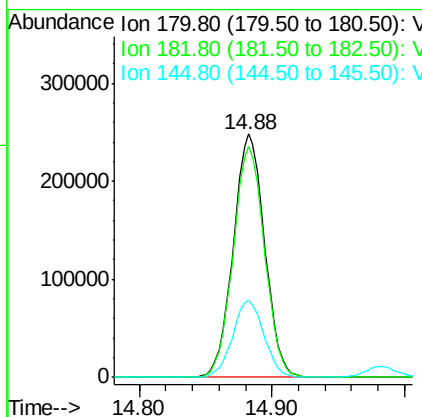
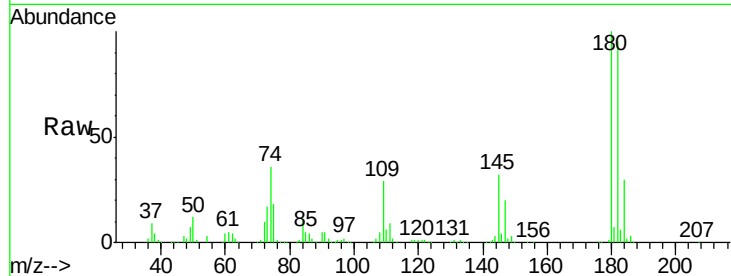
#93
 1,2,4-Trichlorobenzene
 Concen: 188.274 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062403.D
 Acq: 8 Jul 2020 12:15

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	407265		
182	95.0		48.4	145.2
145	31.6		15.5	46.5

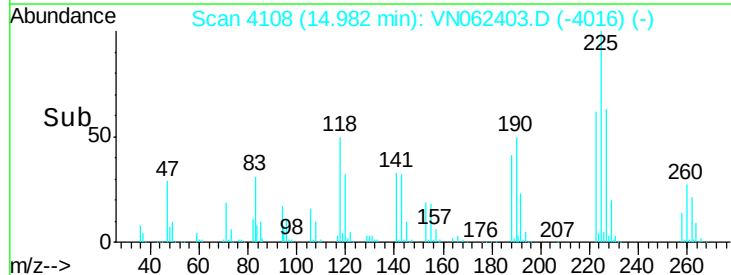
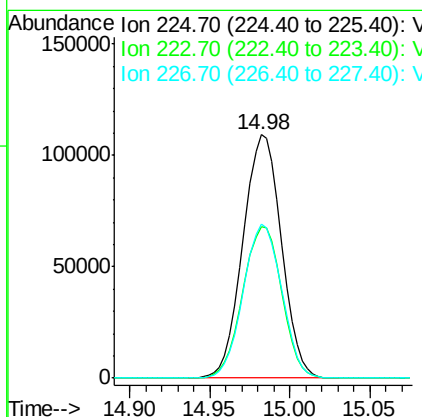
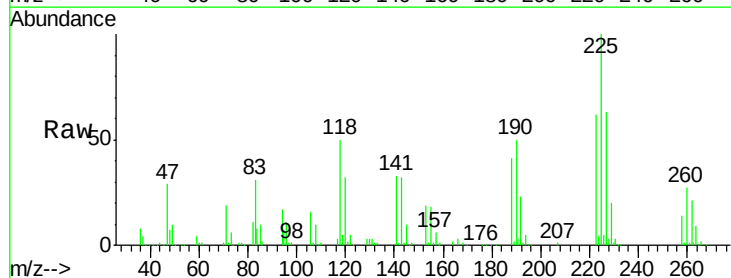
Manual Integrations
 APPROVED

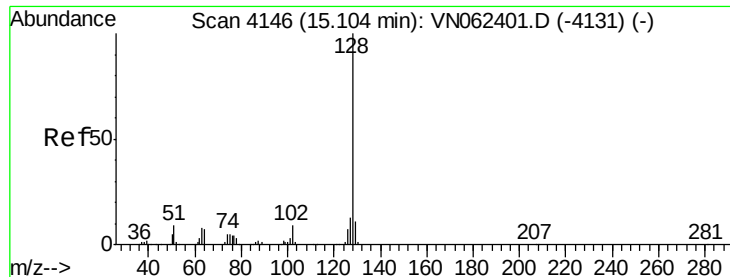
MMDadoda
 7/9/2020 10:54:56 AM



#94
 Hexachlorobutadiene
 Concen: 132.477 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062403.D
 Acq: 8 Jul 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	179318		
223	63.2		32.3	96.8
227	63.3		31.9	95.7





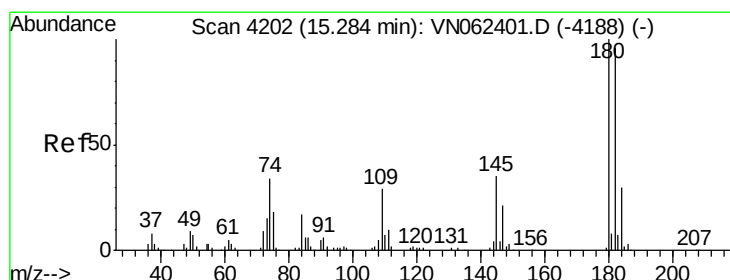
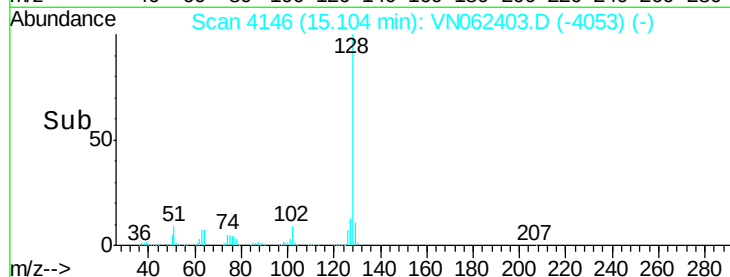
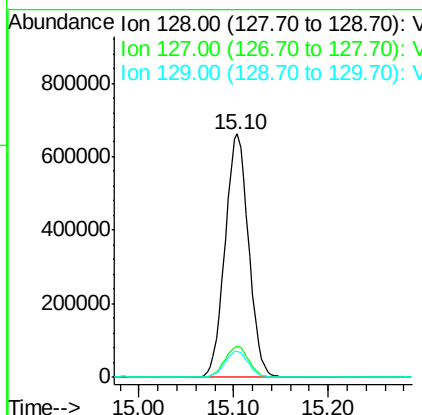
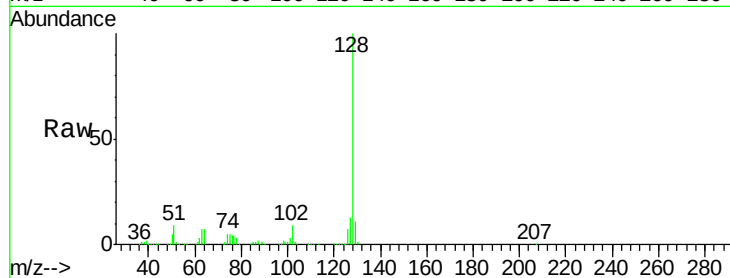
#95
Naphthalene
Concen: 199.434 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
7/9/2020 10:54:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 177.379 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. 0.00 min
Lab File: VN062403.D
Acq: 8 Jul 2020 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.4
145	33.1	17.0	50.9

