

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062228.D
 Acq On : 30 Jun 2020 8:37
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 10:42:25 AM

Quant Time: Jun 30 10:11:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	221648	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	412537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387066	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	181175	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	172713	55.53	ug/l	0.00
Spiked Amount			Recovery	=	111.06%	
35) Dibromofluoromethane	7.55	113	136649	51.63	ug/l	0.00
Spiked Amount			Recovery	=	103.26%	
50) Toluene-d8	10.06	98	549345	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.38	95	182433	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	116102	46.342	ug/l	99
3) Chloromethane	2.03	50	153369	52.053	ug/l	97
4) Vinyl Chloride	2.16	62	182248	46.192	ug/l	98
5) Bromomethane	2.52	94	118841	46.606	ug/l	98
6) Chloroethane	2.66	64	129328	47.985	ug/l	98
7) Trichlorofluoromethane	2.98	101	225883	46.463	ug/l	100
8) Diethyl Ether	3.37	74	87472	51.527	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	124452	48.884	ug/l	98
10) Methyl Iodide	3.91	142	157922	55.080	ug/l	99
11) Tert butyl alcohol	4.73	59	119893	268.461	ug/l	99
12) 1,1-Dichloroethene	3.69	96	126221	49.595	ug/l	99
13) Acrolein	3.56	56	126409	289.105	ug/l	97
14) Allyl chloride	4.27	41	178426	51.493	ug/l	99
15) Acrylonitrile	4.93	53	344185	282.818	ug/l	99
16) Acetone	3.77	43	268747	275.678	ug/l	98
17) Carbon Disulfide	4.00	76	351359	48.201	ug/l	100
18) Methyl Acetate	4.28	43	141105	57.067	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	439365	54.026	ug/l	98
20) Methylene Chloride	4.50	84	154664	54.184	ug/l	95
21) trans-1,2-Dichloroethene	4.99	96	141320	48.742	ug/l	93
22) Diisopropyl ether	5.90	45	433478	54.943	ug/l	98
23) Vinyl Acetate	5.84	43	1801832	279.726	ug/l	98
24) 1,1-Dichloroethane	5.80	63	267807	52.713	ug/l	99
25) 2-Butanone	6.78	43	427900	281.447	ug/l	98
26) 2,2-Dichloropropane	6.78	77	140146	33.103	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	164957	50.562	ug/l	97
28) Bromochloromethane	7.15	49	116994	53.075	ug/l	96
29) Tetrahydrofuran	7.17	42	285596	286.770	ug/l	99
30) Chloroform	7.33	83	268358	51.917	ug/l	99
31) Cyclohexane	7.61	56	212190	49.376	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	222626	51.071	ug/l	99
36) 1,1-Dichloropropene	7.75	75	198033	47.758	ug/l	98
37) Ethyl Acetate	6.88	43	180681	52.621	ug/l	98
38) Carbon Tetrachloride	7.73	117	183925	47.047	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	217519	47.876	ug/l	99
40) Benzene	8.00	78	618235	48.916	ug/l	98
41) Methacrylonitrile	7.12	41	72427	45.499	ug/l	93
42) 1,2-Dichloroethane	8.09	62	217133	50.849	ug/l	99
43) Isopropyl Acetate	8.13	43	297382	53.129	ug/l #	90
44) Trichloroethene	8.80	130	147810	46.362	ug/l	99
45) 1,2-Dichloropropane	9.09	63	160290	51.407	ug/l	98
46) Dibromomethane	9.17	93	105029	49.682	ug/l	97
47) Bromodichloromethane	9.37	83	218096	51.094	ug/l	99
48) Methyl methacrylate	9.17	41	135433	53.964	ug/l	99
49) 1,4-Dioxane	9.17	88	56588	1016.751	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	926304	283.247	ug/l	99
52) Toluene	10.12	92	389578	50.519	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	224180	47.737	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	244333	48.869	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	157196	51.857	ug/l	99
56) Ethyl methacrylate	10.40	69	226267	55.931	ug/l	99
57) 1,3-Dichloropropane	10.68	76	269813	51.711	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	437990	254.019	ug/l	97
59) 2-Hexanone	10.72	43	674864	285.781	ug/l	100
60) Dibromochloromethane	10.87	129	163141	50.833	ug/l	98
61) 1,2-Dibromoethane	10.98	107	155274	49.851	ug/l	98
64) Tetrachloroethene	10.60	164	118079	44.659	ug/l	97
65) Chlorobenzene	11.41	112	409379	48.162	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	145274	49.426	ug/l	99
67) Ethyl Benzene	11.48	91	734570	51.170	ug/l	98
68) m/p-Xylenes	11.59	106	557992	100.494	ug/l	98
69) o-Xylene	11.92	106	265696	50.717	ug/l	97
70) Styrene	11.94	104	461765	52.852	ug/l	99
71) Bromoform	12.10	173	105062	50.274	ug/l #	98
73) Isopropylbenzene	12.22	105	702824	50.114	ug/l	99
74) N-amyl acetate	12.04	43	267386	51.673	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	235418	50.443	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	209689m	49.165	ug/l	
77) Bromobenzene	12.50	156	163493	46.956	ug/l	93
78) n-propylbenzene	12.56	91	825474	51.457	ug/l	99
79) 2-Chlorotoluene	12.65	91	488600	50.381	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	586283	51.569	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	68130	46.651	ug/l	99
82) 4-Chlorotoluene	12.75	91	498746	49.732	ug/l	99
83) tert-Butylbenzene	12.97	119	488807	50.239	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	586879	51.686	ug/l	99
85) sec-Butylbenzene	13.15	105	683993	53.202	ug/l	99
86) p-Isopropyltoluene	13.26	119	593013	52.648	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	299130	48.925	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	295820	46.938	ug/l	99
89) n-Butylbenzene	13.59	91	494066	52.760	ug/l	99
90) Hexachloroethane	13.85	117	115319	52.182	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	290268	48.959	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	41474	55.474	ug/l	93

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QLast Update : Wed Jun 24 15:33:00 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	127452	49.209	ug/l	99
94) Hexachlorobutadiene	14.98	225	56441	50.173	ug/l	97
95) Naphthalene	15.10	128	381694	44.663	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	132415	49.999	ug/l	99

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

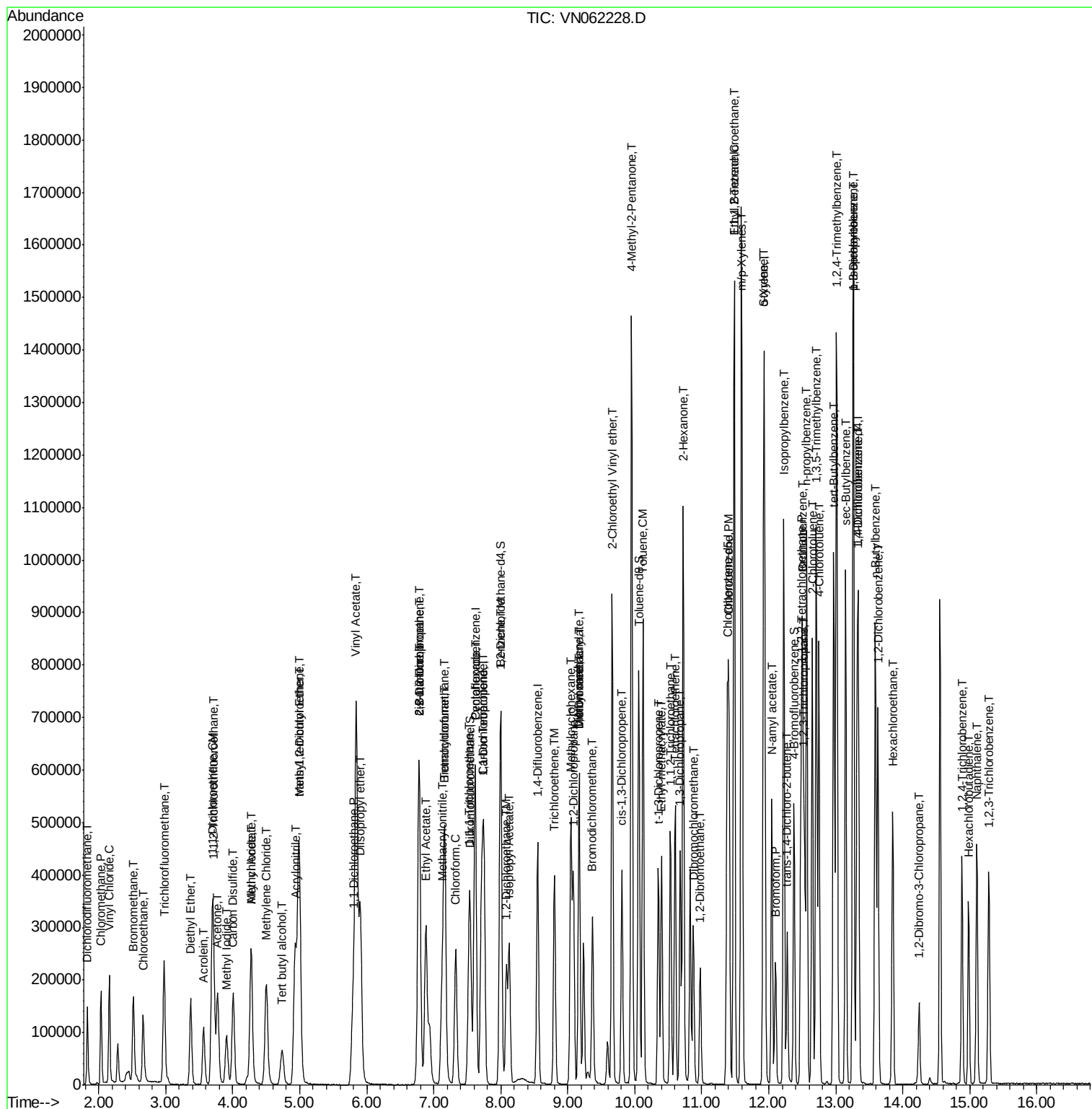
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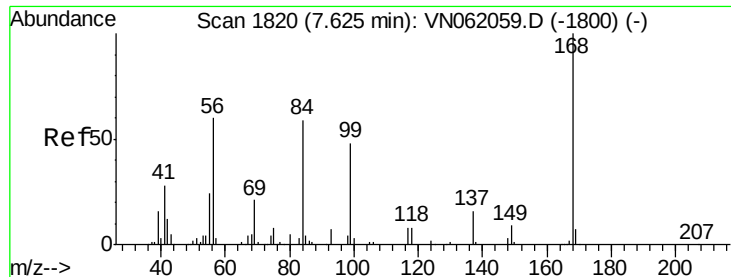
Instrument :
MSVOA_N
Client Sample ID :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:168 Resp: 221648

Ion Ratio Lower Upper

168 100

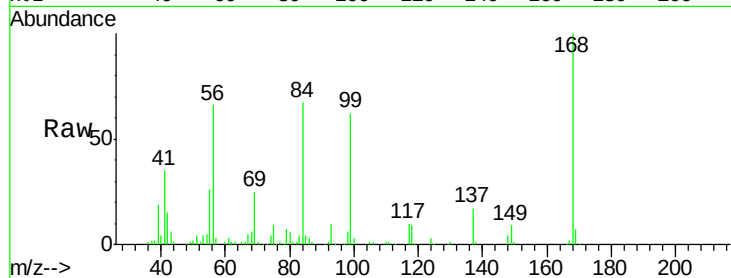
99 61.6 45.8 68.8

Manual Integrations

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6/30/2020 10:42:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

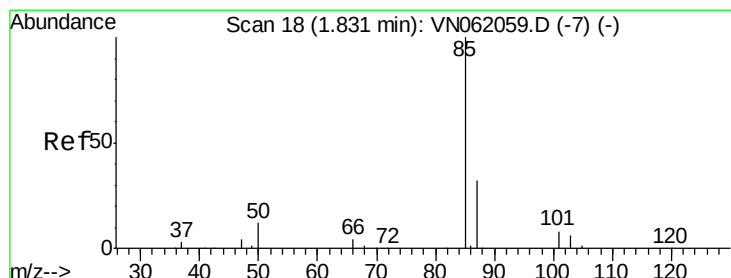
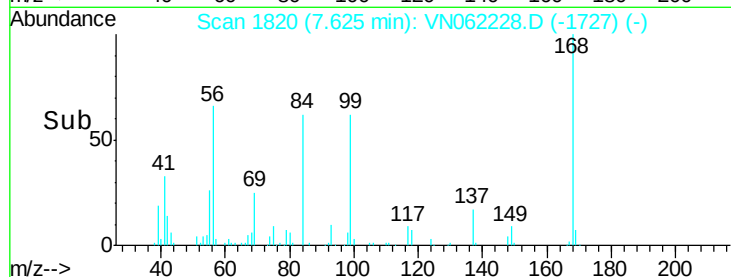
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 46.342 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062228.D

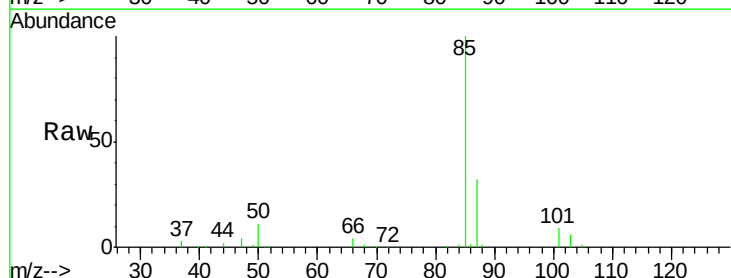
Acq: 30 Jun 2020 8:37

Tgt Ion: 85 Resp: 116102

Ion Ratio Lower Upper

85 100

87 32.2 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

100000

80000

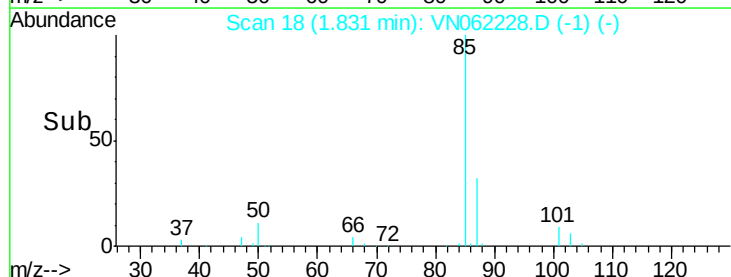
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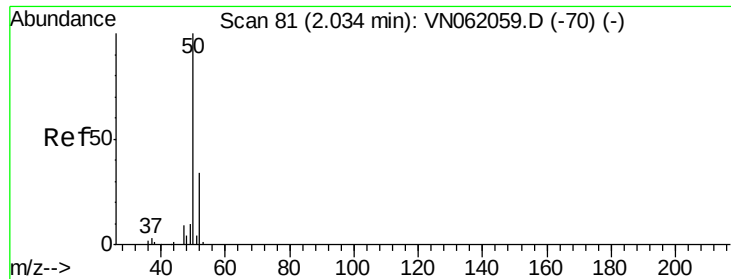
40000

20000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 52.053 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 153369

Ion Ratio Lower Upper

50 100

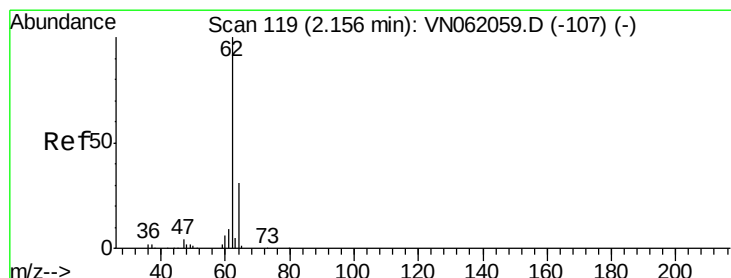
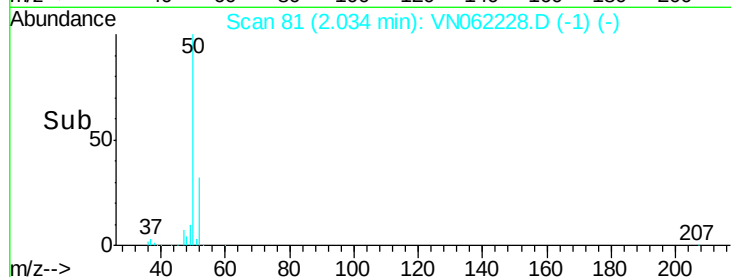
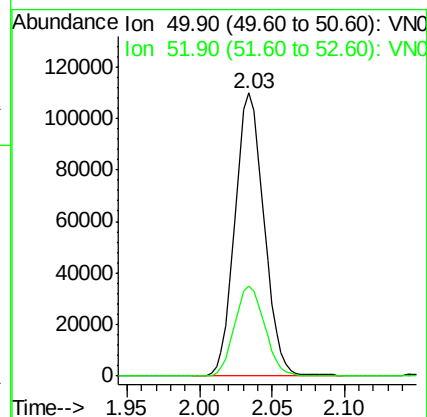
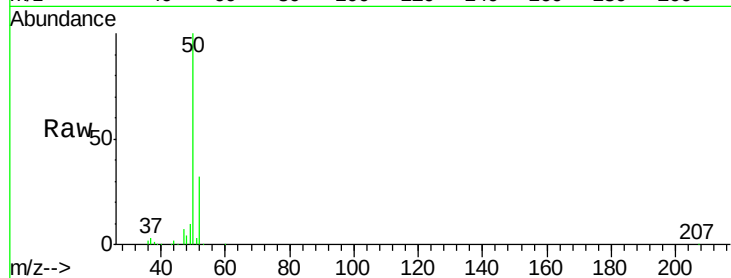
52 31.9 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.192 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062228.D

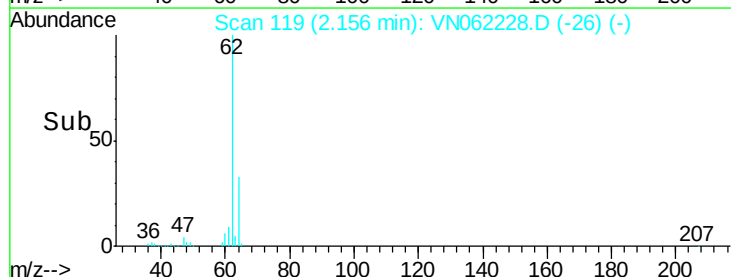
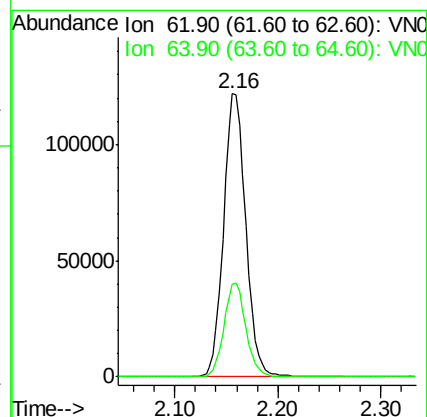
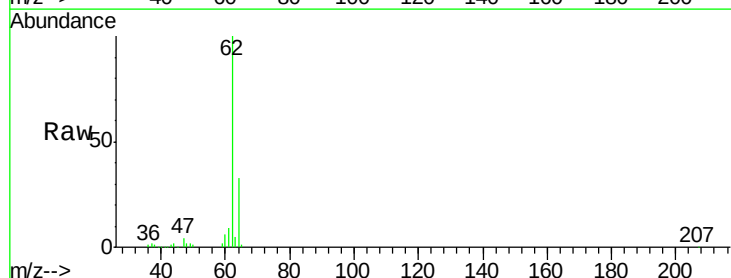
Acq: 30 Jun 2020 8:37

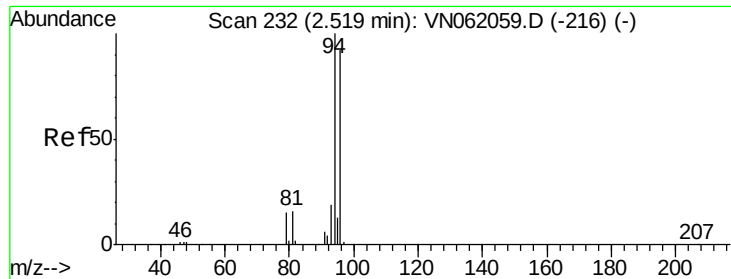
Tgt Ion: 62 Resp: 182248

Ion Ratio Lower Upper

62 100

64 32.6 25.1 37.7





#5

Bromomethane

Concen: 46.606 ug/l

RT: 2.52 min Scan# 231

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 118841

Ion Ratio Lower Upper

94 100

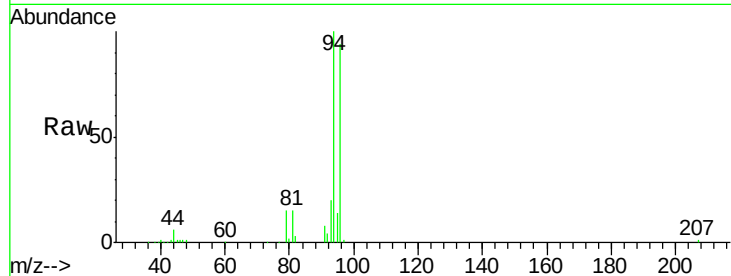
96 93.3 73.4 110.2

Manual Integrations

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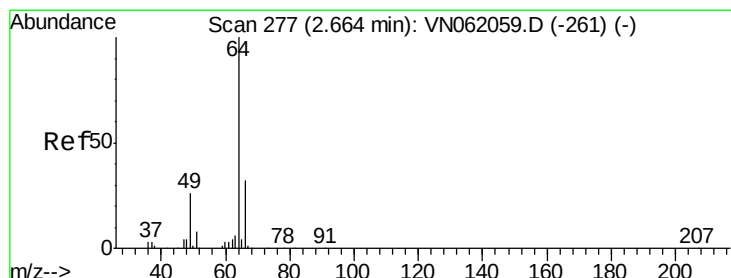
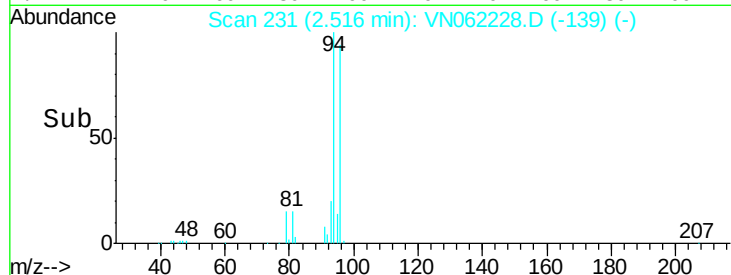
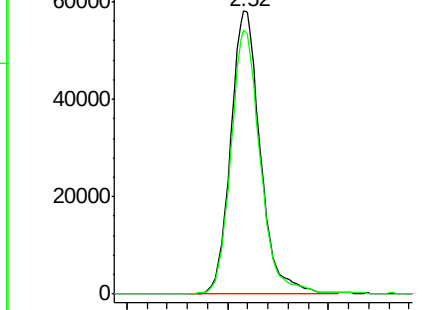
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Abundance Ion 93.90 (93.60 to 94.60): VN062228.D (-139) (-)

Ion 95.90 (95.60 to 96.60): VN062228.D (-139) (-)



#6

Chloroethane

Concen: 47.985 ug/l

RT: 2.66 min Scan# 276

Delta R.T. -0.00 min

Lab File: VN062228.D

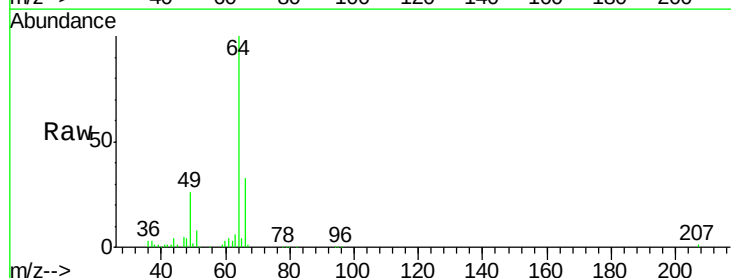
Acq: 30 Jun 2020 8:37

Tgt Ion: 64 Resp: 129328

Ion Ratio Lower Upper

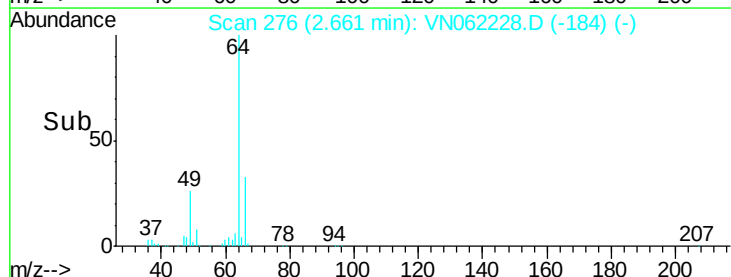
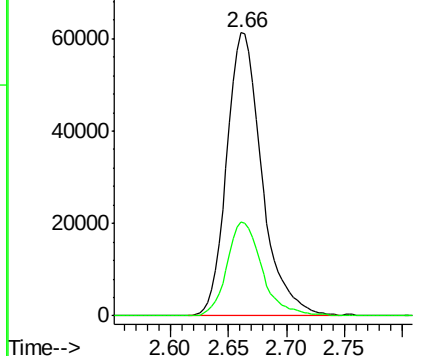
64 100

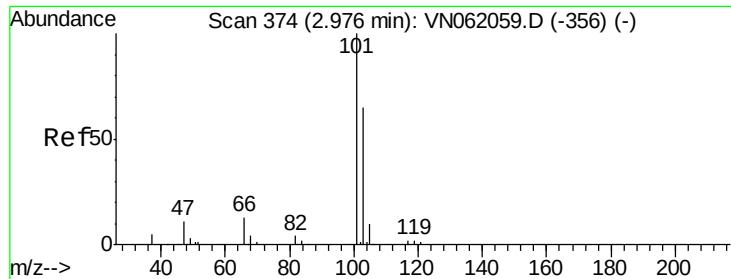
66 33.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN062228.D (-184) (-)

Ion 65.90 (65.60 to 66.60): VN062228.D (-184) (-)





#7

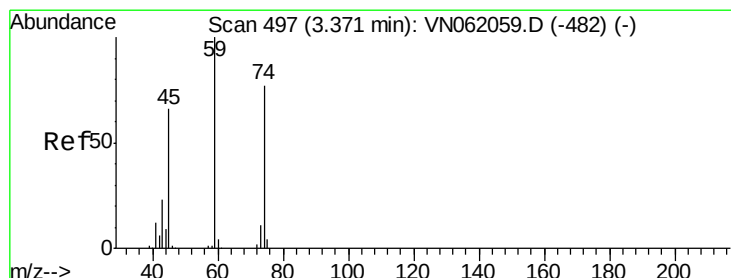
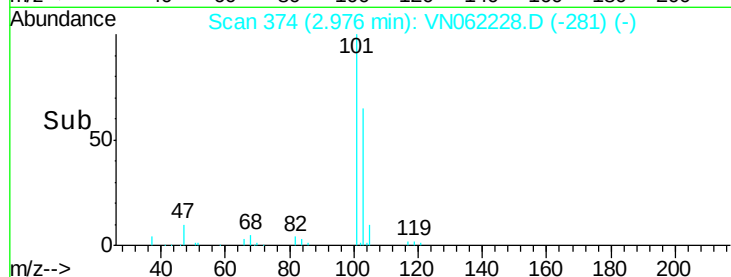
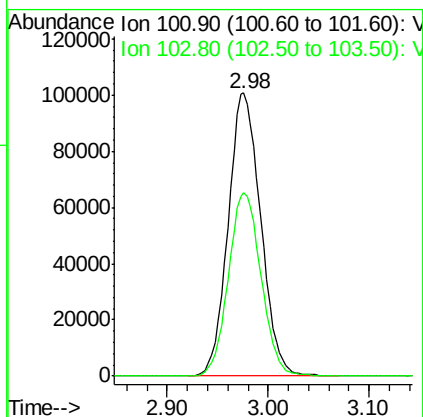
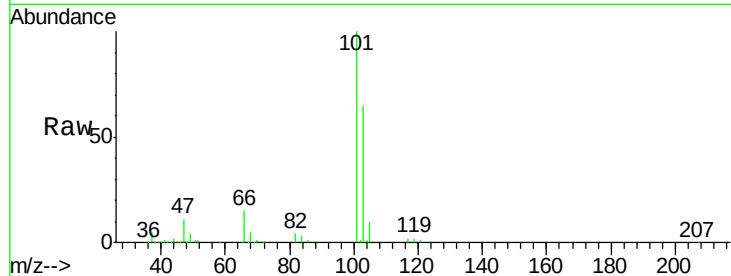
Trichlorofluoromethane
Concen: 46.463 ug/l
RT: 2.98 min Scan# 374
Delta R.T. -0.00 min
Lab File: VN062228.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.8	77.6

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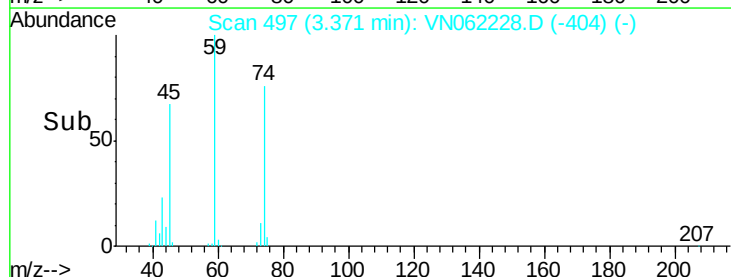
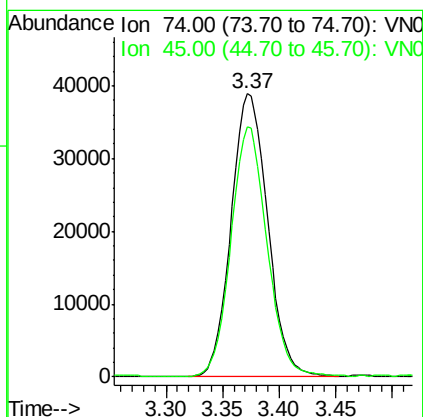
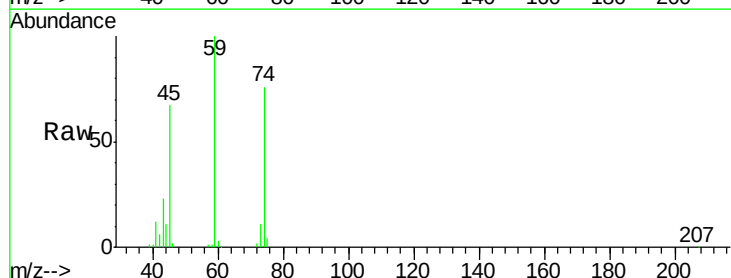
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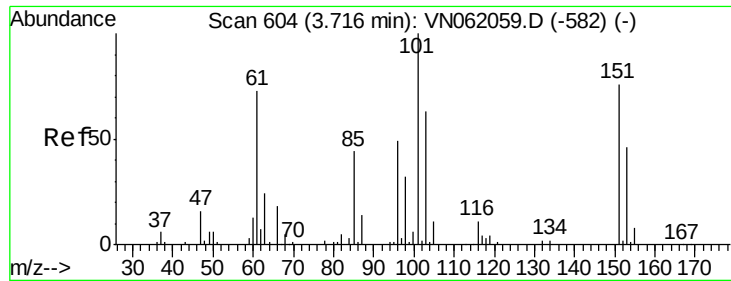


#8

Diethyl Ether
Concen: 51.527 ug/l
RT: 3.37 min Scan# 497
Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	87.4	42.5	127.5





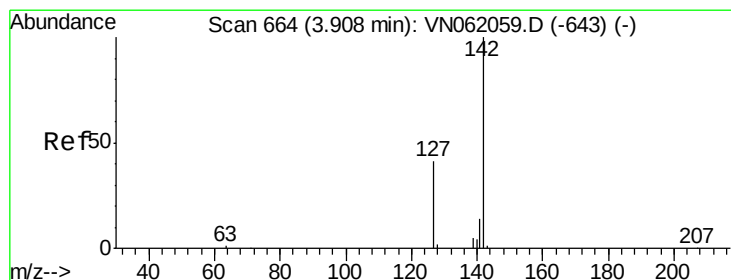
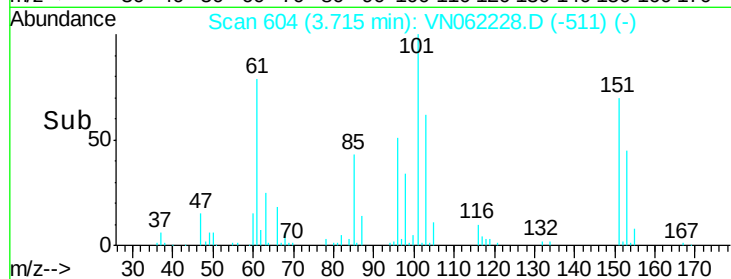
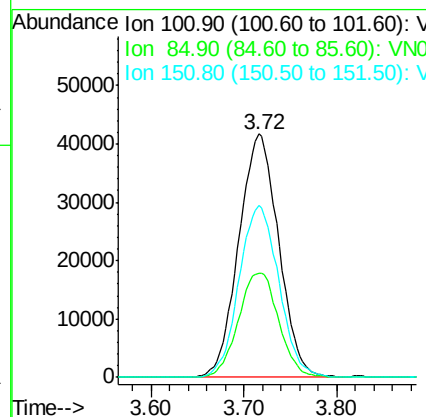
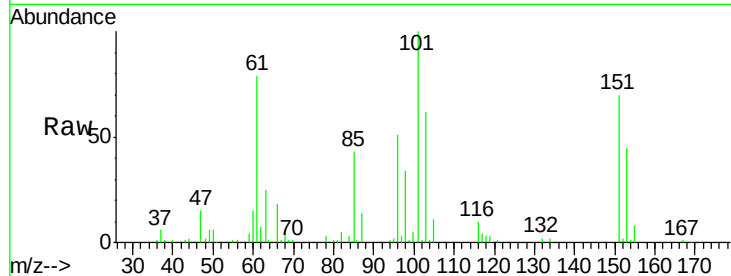
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 48.884 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.3	34.5	51.7
151	70.4	57.8	86.8

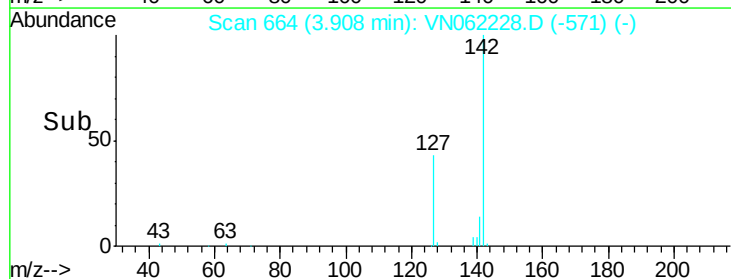
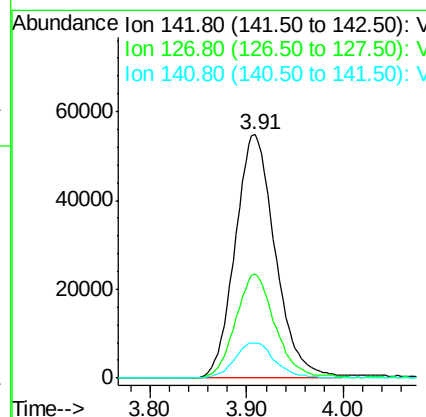
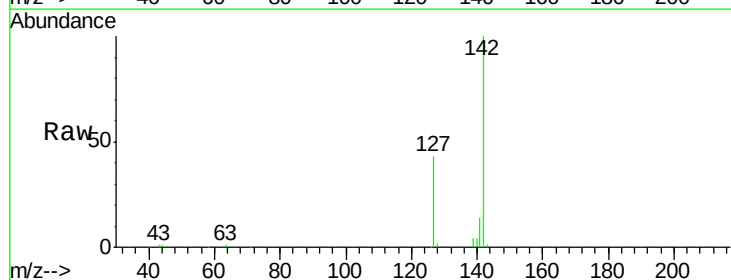
Manual Integrations
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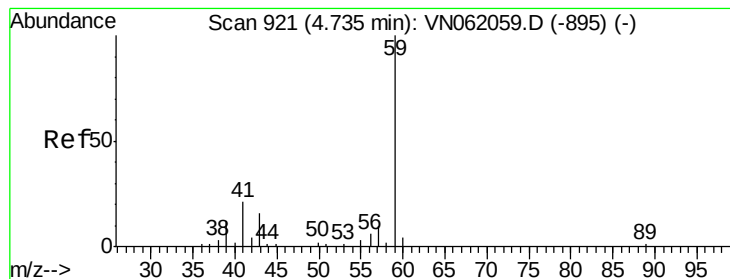
MMDadoda
 6/30/2020 10:42:25 AM



#10
 Methyl Iodide
 Concen: 55.080 ug/l
 RT: 3.91 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.4	33.6	50.4
141	14.6	11.3	16.9





#11

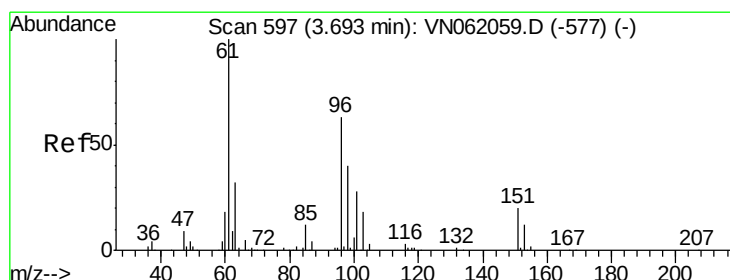
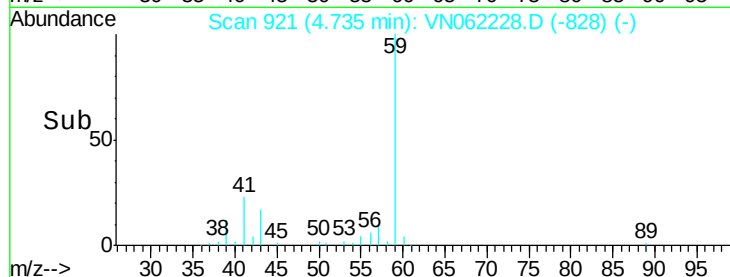
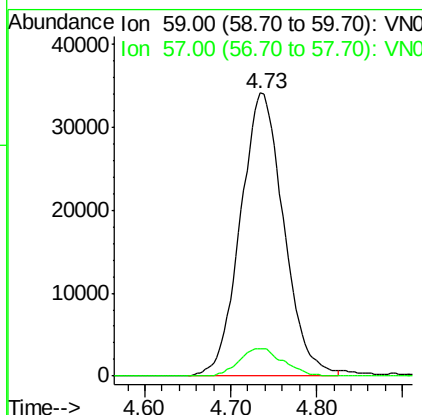
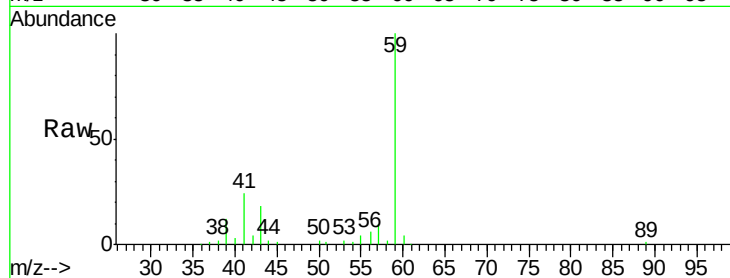
Tert butyl alcohol
 Concen: 268.461 ug/l
 RT: 4.73 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	119893		
57	9.9		8.3	12.5

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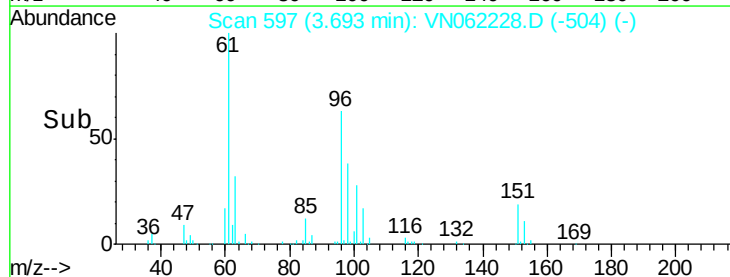
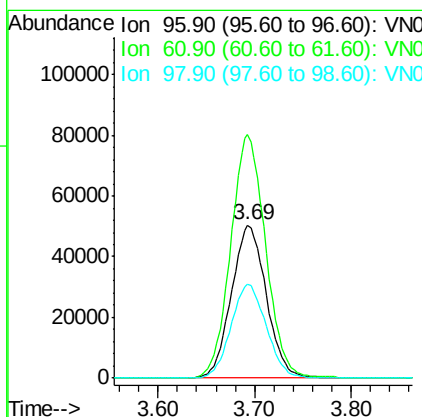
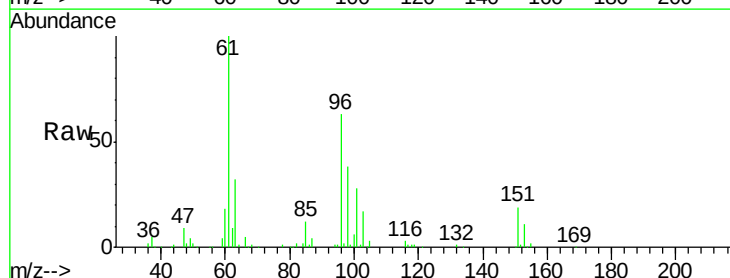
MMDadoda
 6/30/2020 10:42:25 AM

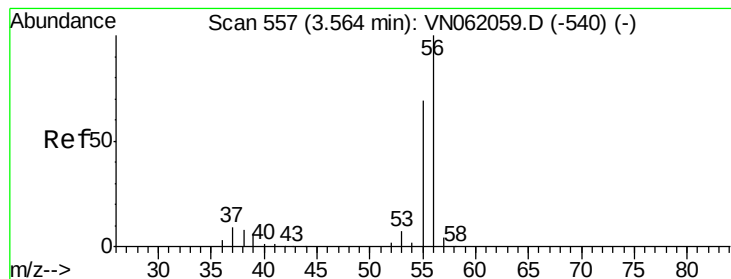


#12

1,1-Dichloroethene
 Concen: 49.595 ug/l
 RT: 3.69 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	126221		
61	159.1		126.7	190.1
98	61.0		51.0	76.4





#13

Acrolein

Concen: 289.105 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 126409

Ion Ratio Lower Upper

56 100

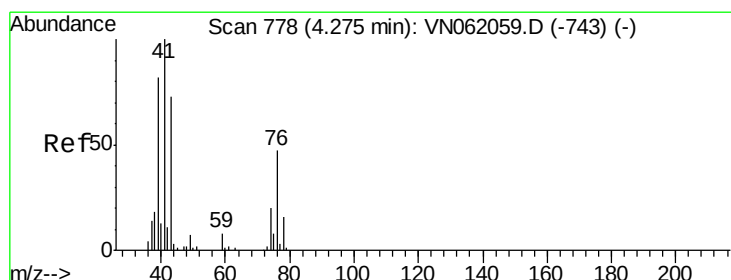
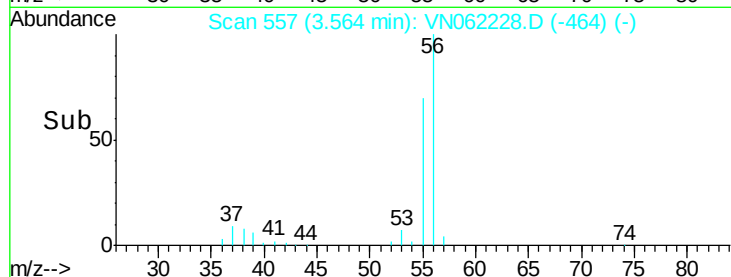
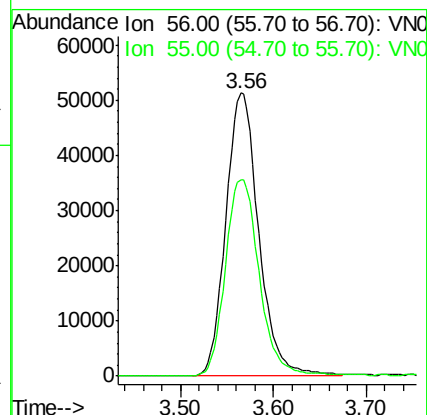
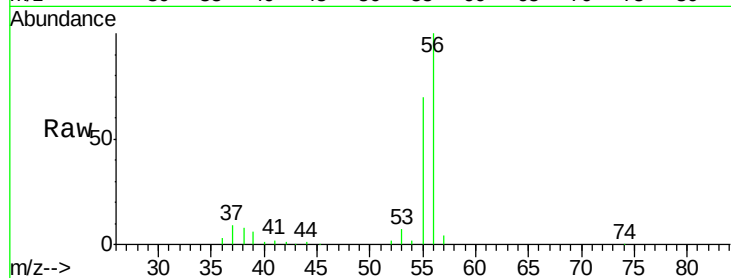
55 72.0 55.5 83.3

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#14

Allyl chloride

Concen: 51.493 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

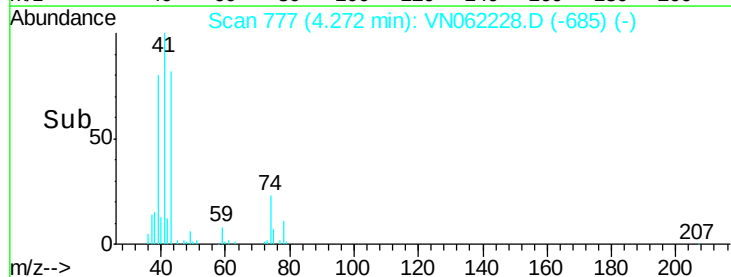
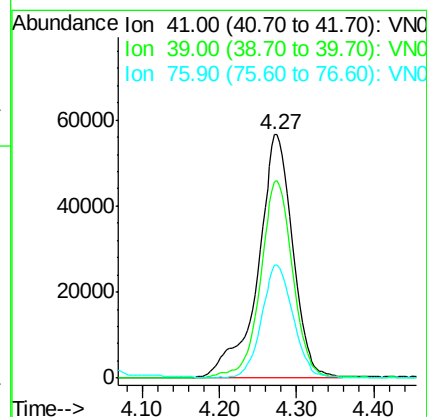
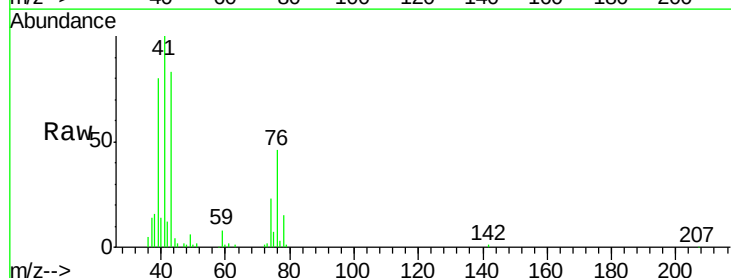
Tgt Ion: 41 Resp: 178426

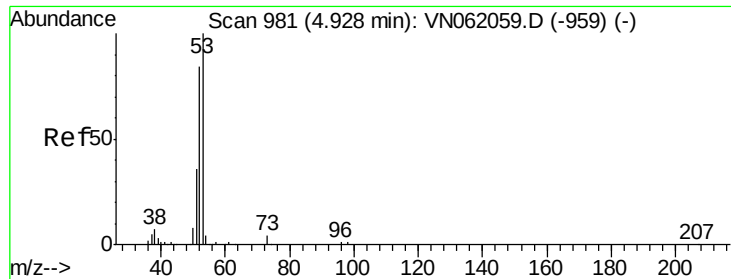
Ion Ratio Lower Upper

41 100

39 74.4 60.0 90.0

76 41.1 34.1 51.1





#15

Acrylonitrile

Concen: 282.818 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

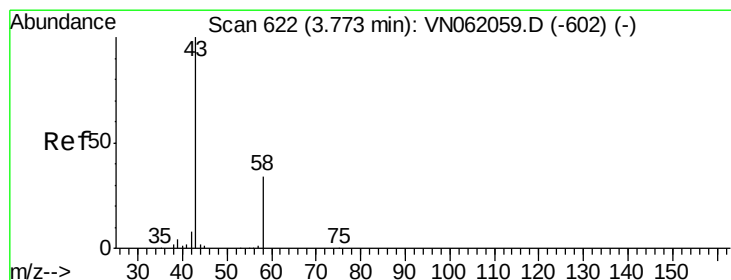
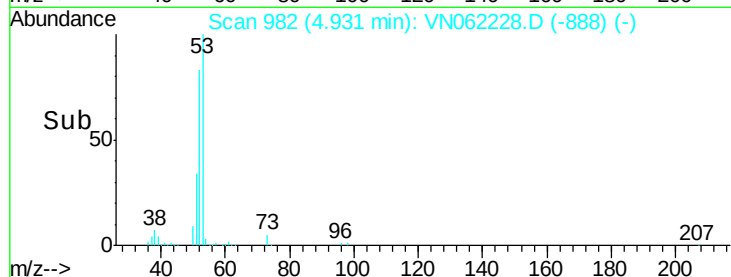
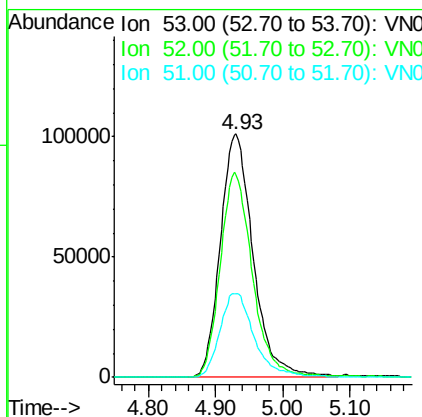
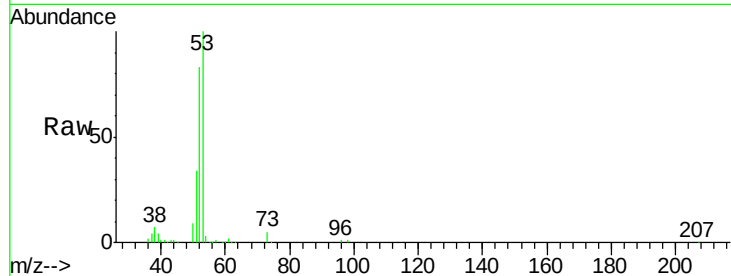
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	344185
Ion Ratio		Lower	Upper
53	100		
52	82.2	66.2	99.4
51	36.2	28.9	43.3

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#16

Acetone

Concen: 275.678 ug/l

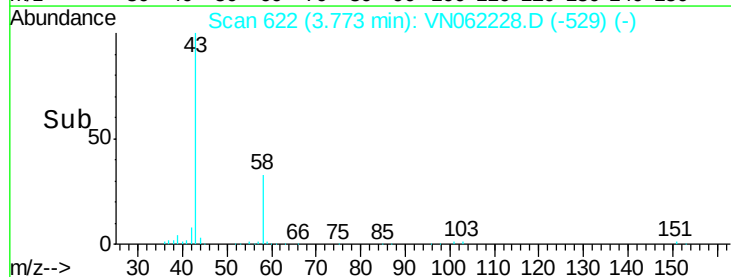
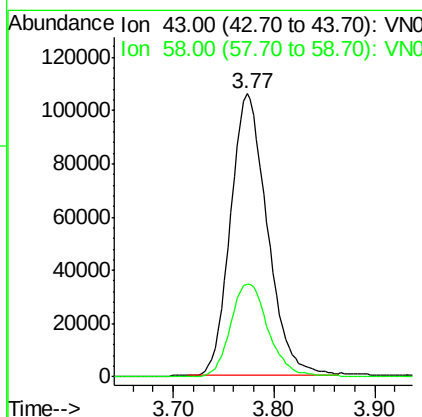
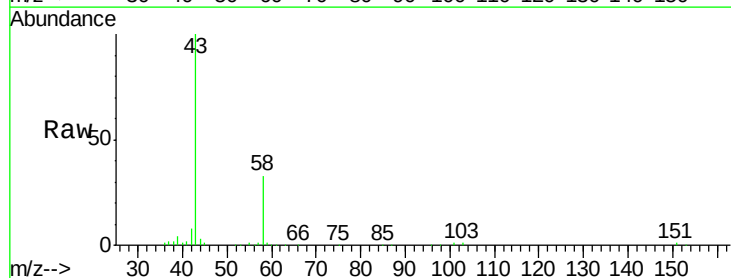
RT: 3.77 min Scan# 622

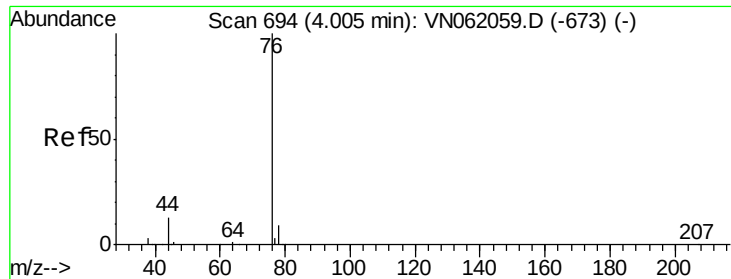
Delta R.T. 0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Tgt Ion:	43	Resp:	268747
Ion Ratio		Lower	Upper
43	100		
58	33.0	27.5	41.3





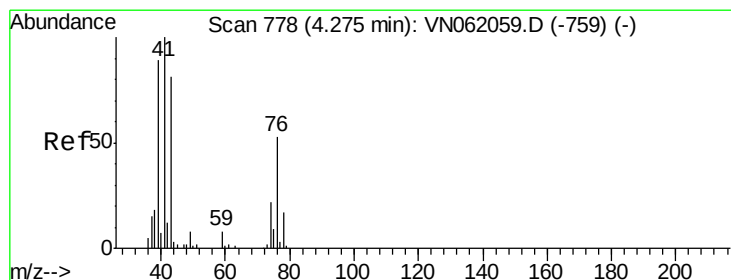
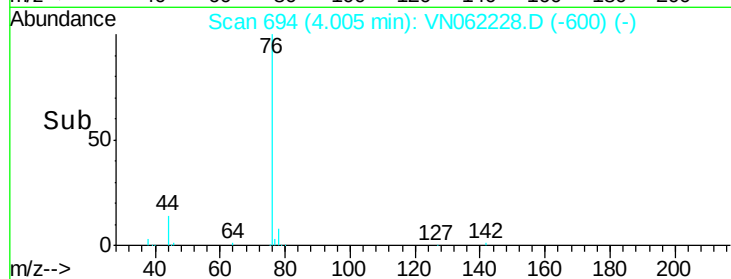
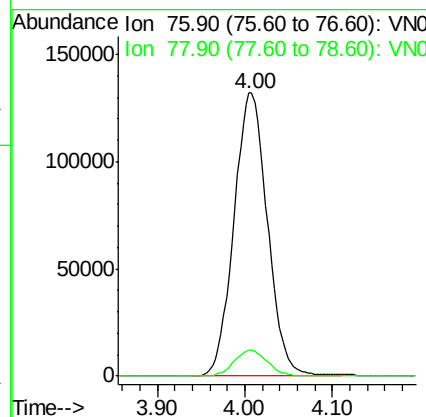
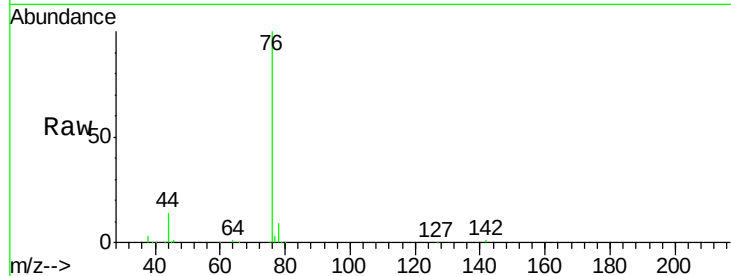
#17
Carbon Disulfide
Concen: 48.201 ug/l
RT: 4.00 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

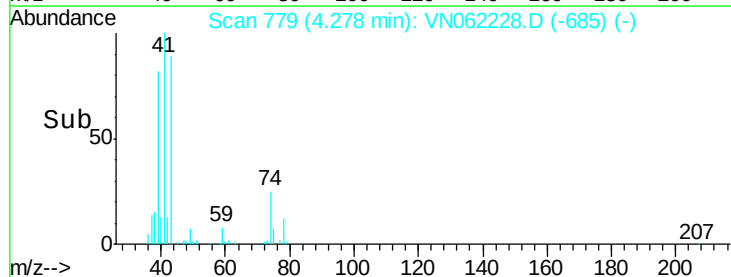
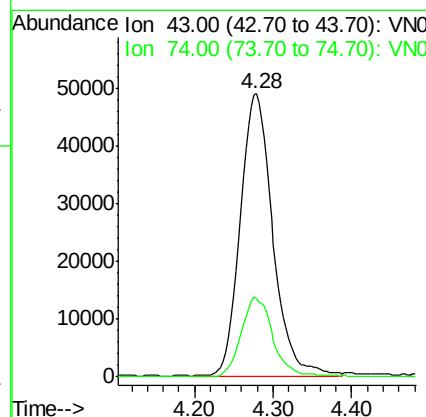
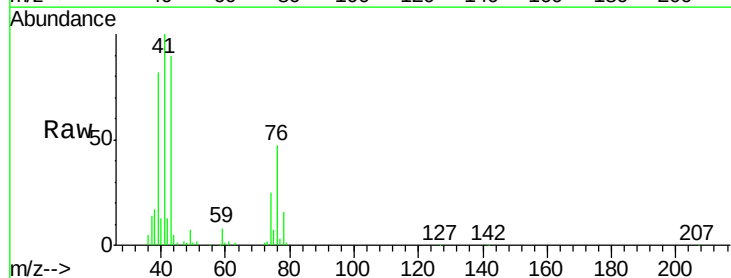
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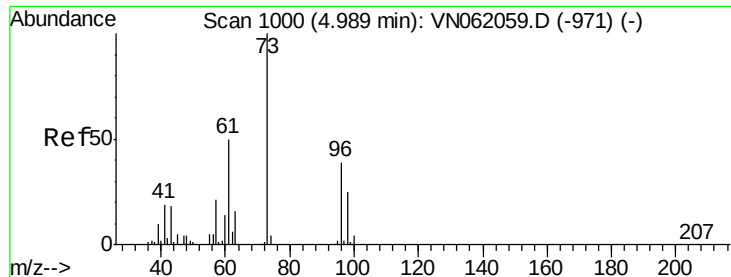
MMDadoda
6/30/2020 10:42:25 AM



#18
Methyl Acetate
Concen: 57.067 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.7	22.9	34.3





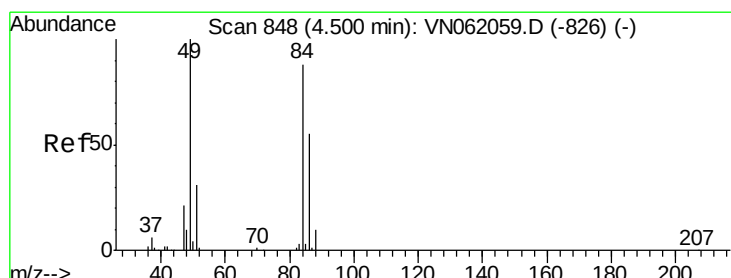
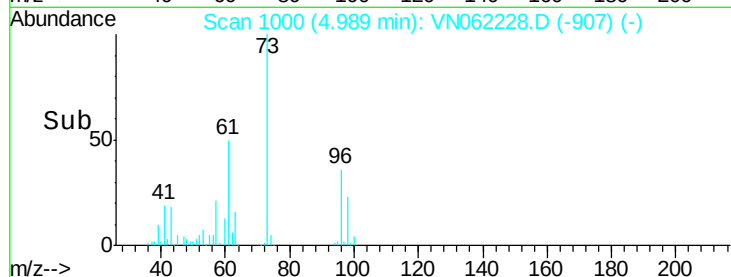
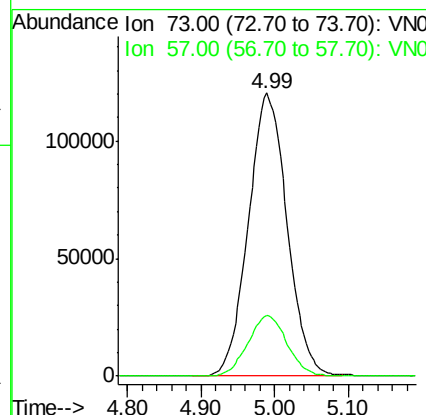
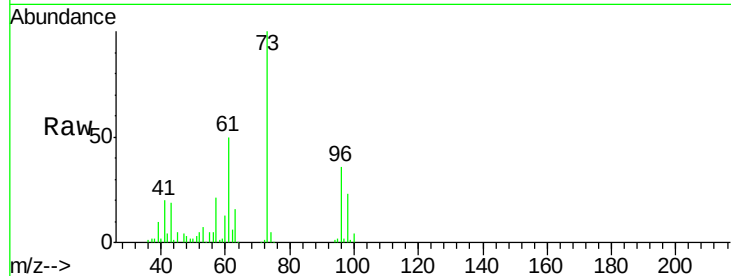
#19
Methvl tert-butyl Ether
Concen: 54.026 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 439365
Ion Ratio Lower Upper
73 100
57 21.4 16.6 24.8

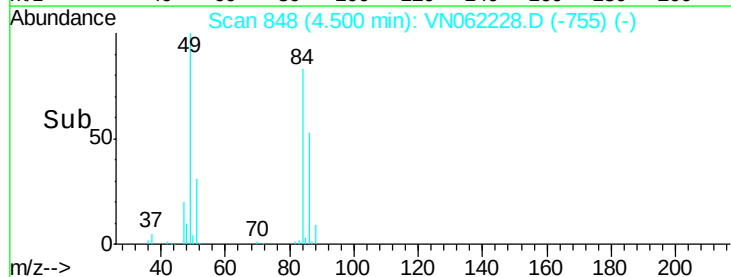
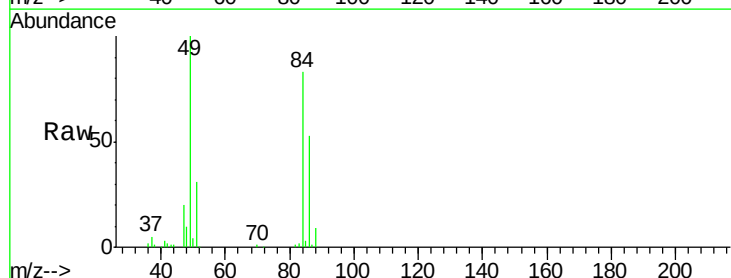
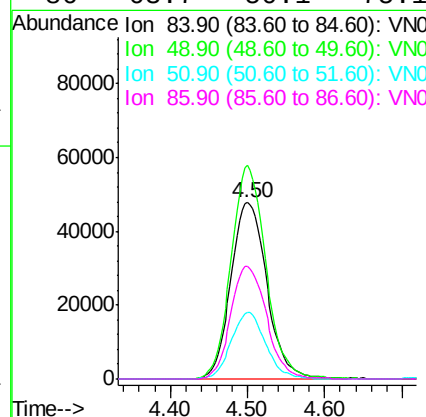
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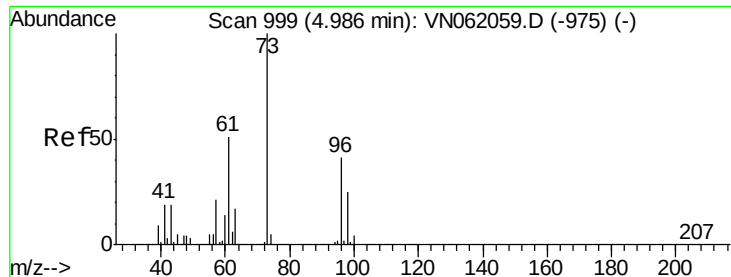
MMDadoda
6/30/2020 10:42:25 AM



#20
Methylene Chloride
Concen: 54.184 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion: 84 Resp: 154664
Ion Ratio Lower Upper
84 100
49 121.0 90.6 136.0
51 37.5 27.8 41.8
86 63.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 48.742 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

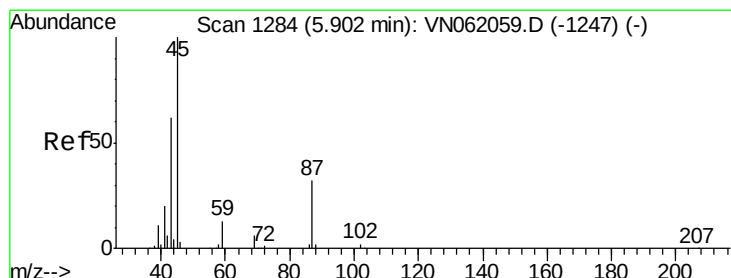
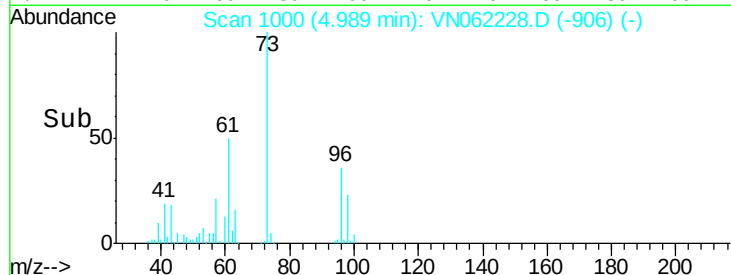
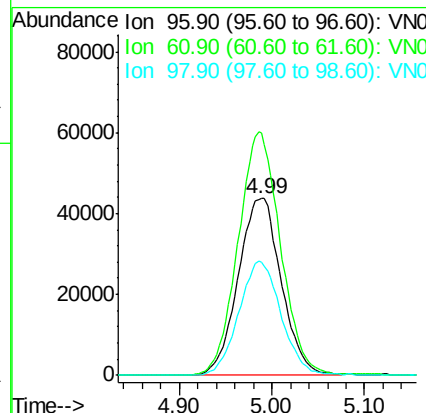
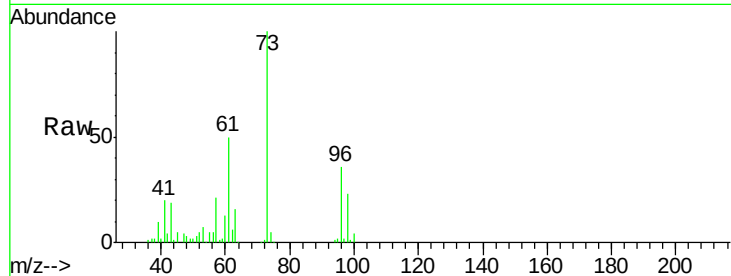
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	141320
Ion	Ratio	Lower	Upper
96	100		
61	136.4	101.4	152.2
98	63.7	49.3	73.9

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#22

Diisopropyl ether

Concen: 54.943 ug/l

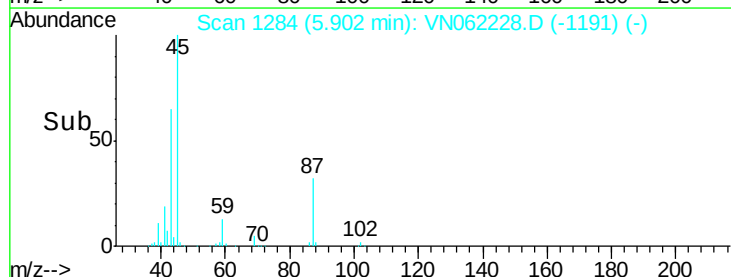
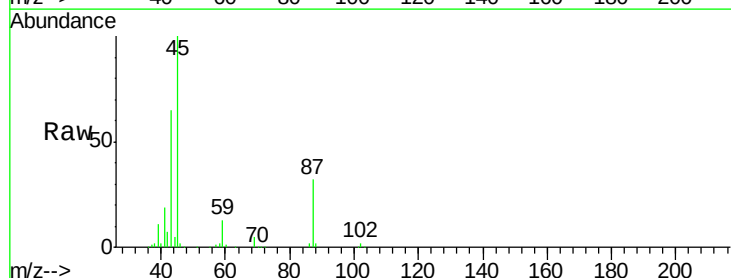
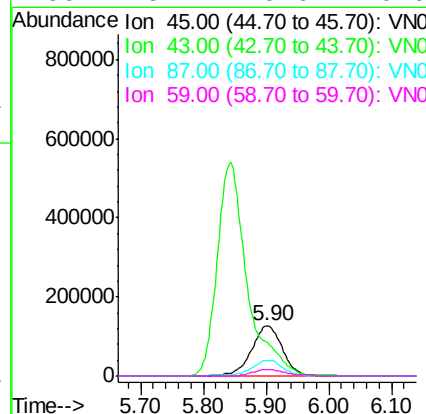
RT: 5.90 min Scan# 1284

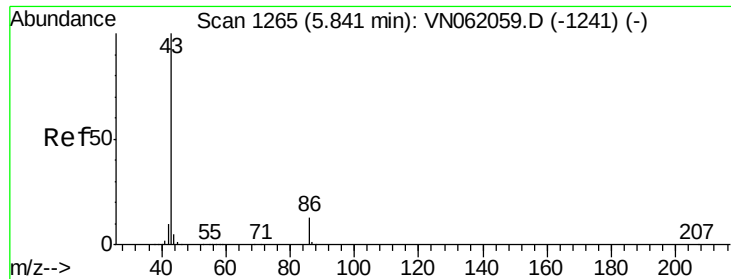
Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Tgt Ion:	45	Resp:	433478
Ion	Ratio	Lower	Upper
45	100		
43	64.3	49.7	74.5
87	31.7	25.9	38.9
59	13.4	10.6	16.0





#23

Vinyl Acetate

Concen: 279.726 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1801832

Ion Ratio Lower Upper

43 100

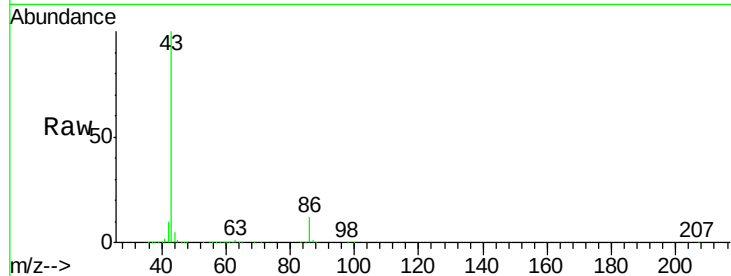
86 11.7 10.1 15.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

600000

500000

400000

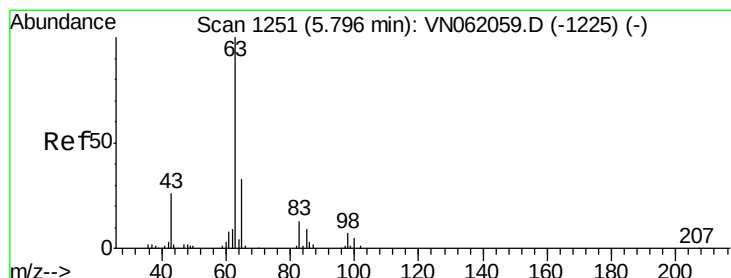
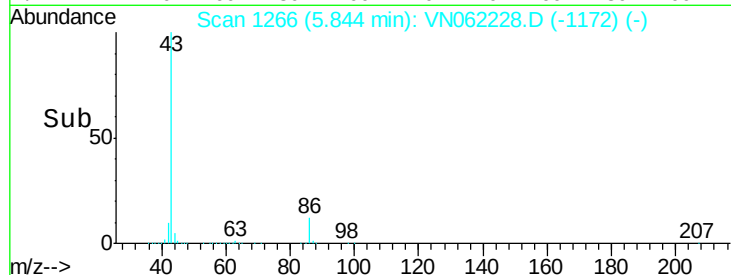
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 52.713 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

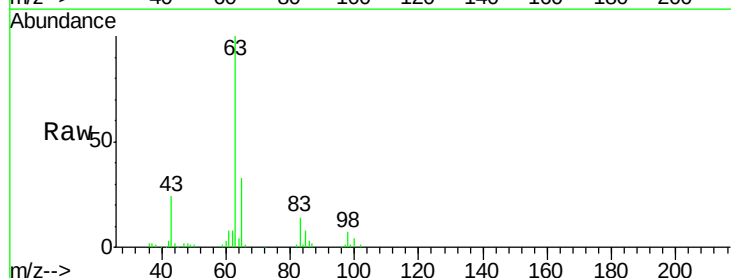
Tgt Ion: 63 Resp: 267807

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

100 4.5 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

100000

80000

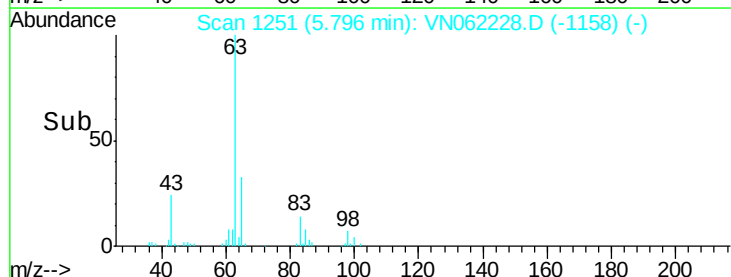
60000

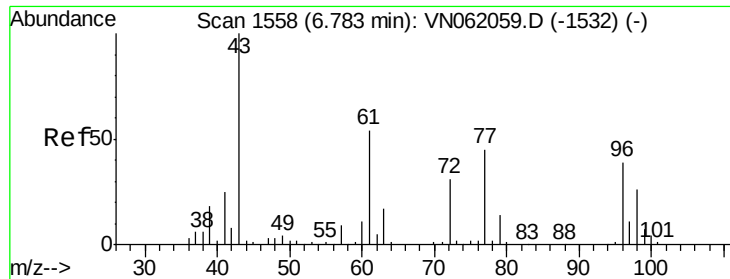
40000

20000

0

Time-->





#25

2-Butanone

Concen: 281.447 ug/l

RT: 6.78 min Scan# 1558

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 427900

Ion Ratio Lower Upper

43 100

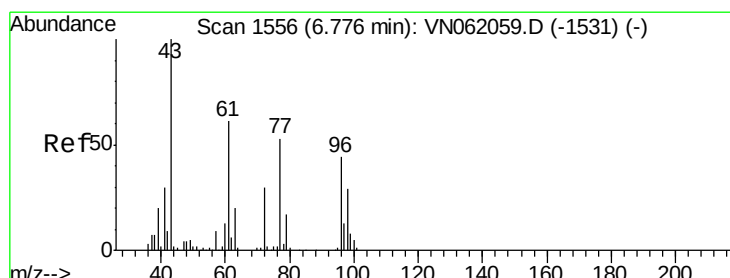
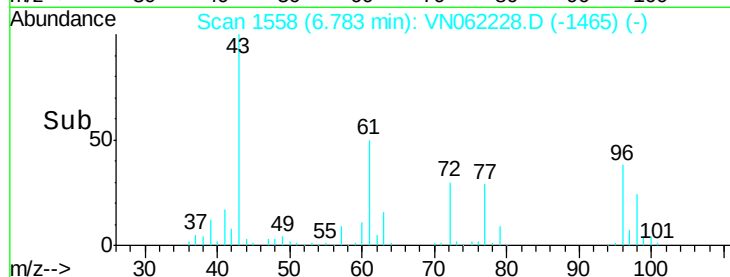
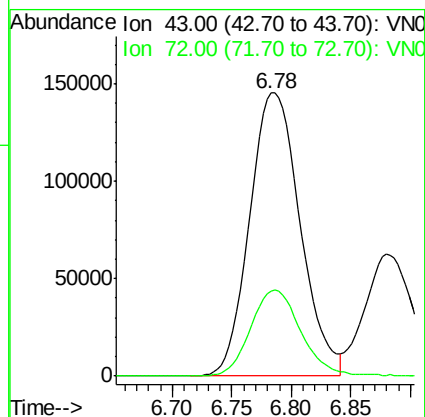
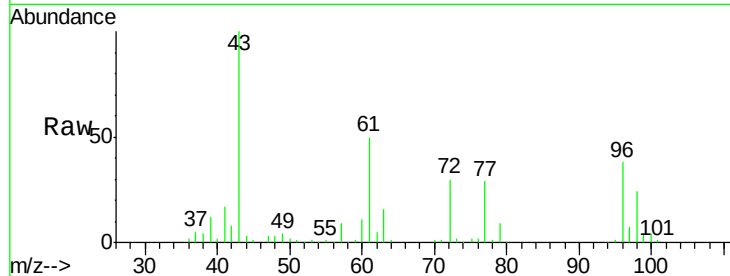
72 29.9 24.8 37.2

Manual Integrations

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MMDadoda

6/30/2020 10:42:25 AM



#26

2,2-Dichloropropane

Concen: 33.103 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062228.D

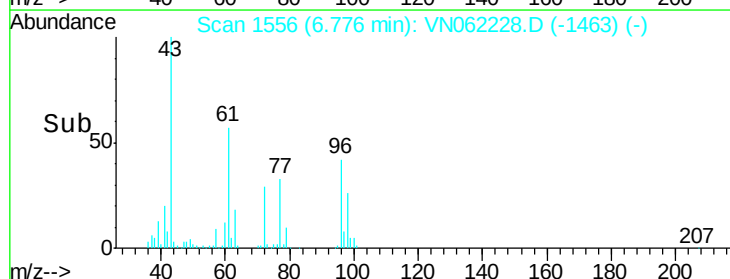
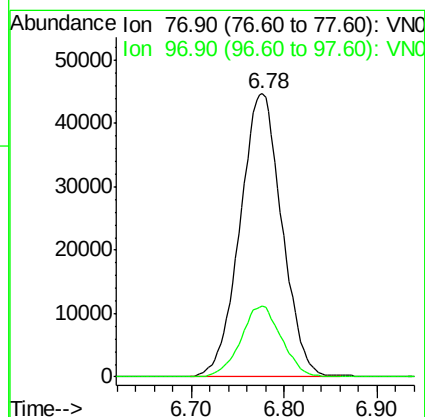
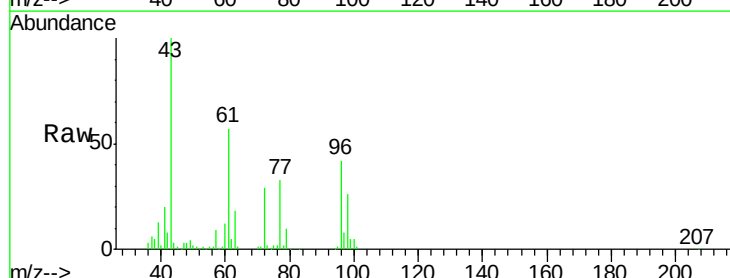
Acq: 30 Jun 2020 8:37

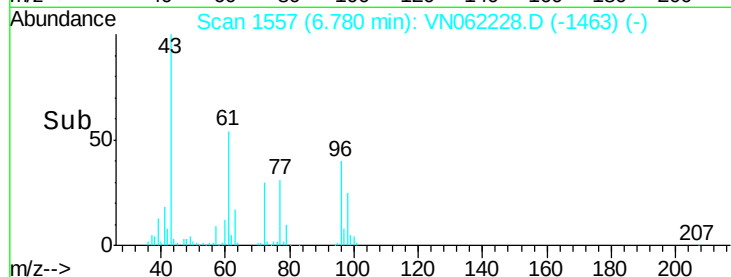
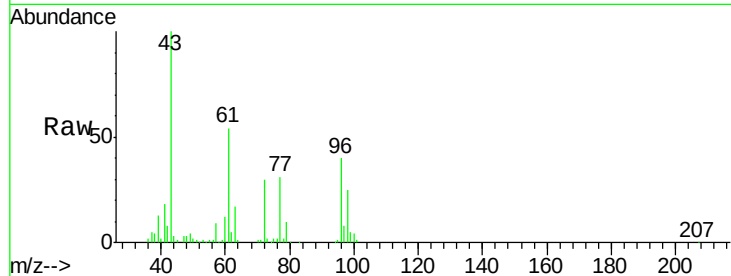
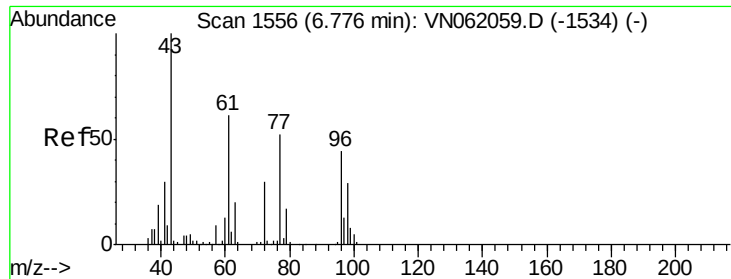
Tgt Ion: 77 Resp: 140146

Ion Ratio Lower Upper

77 100

97 24.2 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 50.562 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062228.D

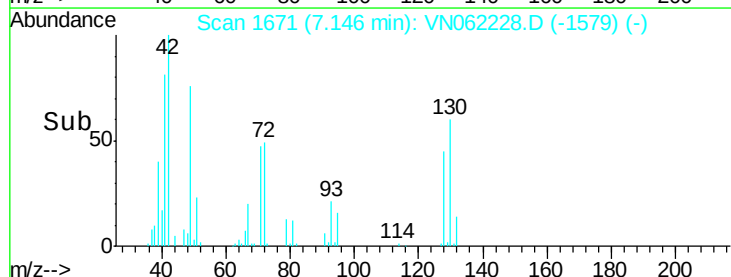
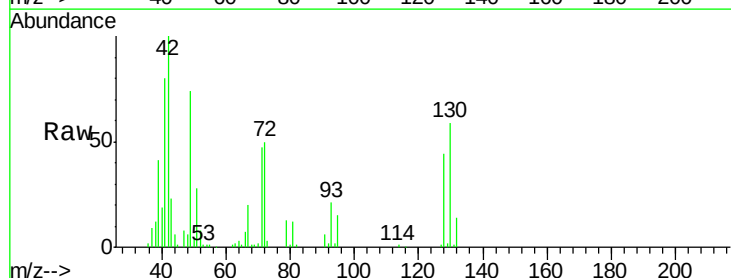
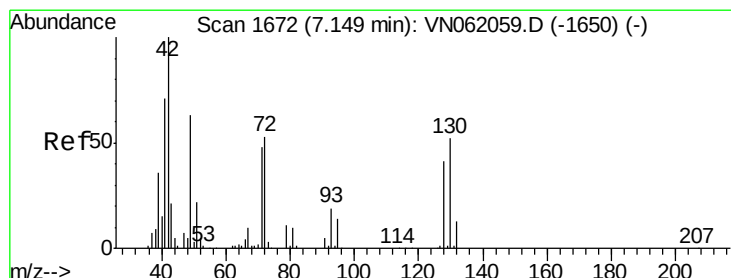
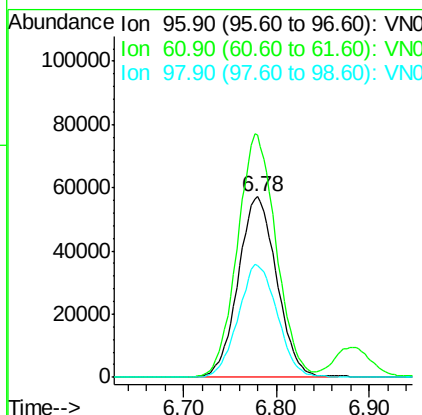
Acq: 30 Jun 2020 8:37

Tot Ion	Ratio	Resp	Lower	Upper
96	100	164957		
61	135.2	0.0	280.4	
98	63.3	0.0	129.4	

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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#28

Bromochloromethane

Concen: 53.075 ug/l

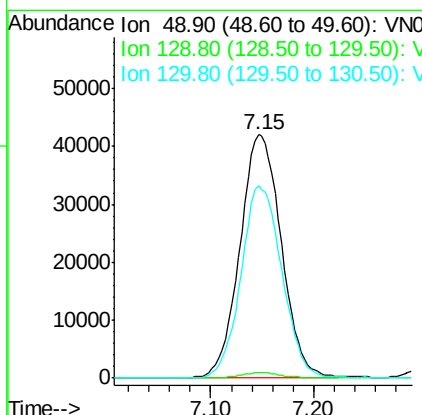
RT: 7.15 min Scan# 1671

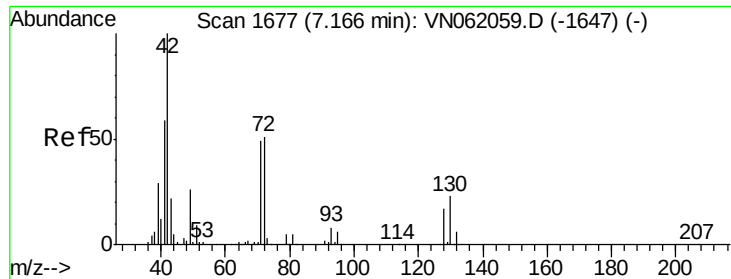
Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	116994		
129	2.1	0.0	4.4	
130	78.1	65.5	98.3	





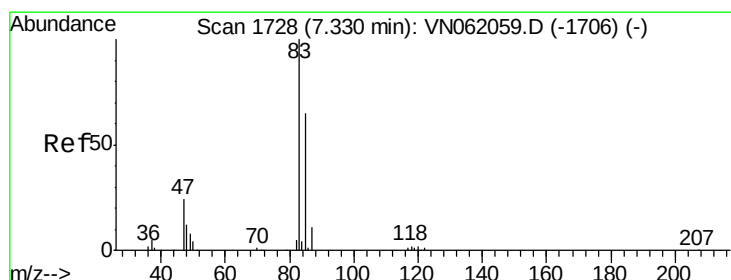
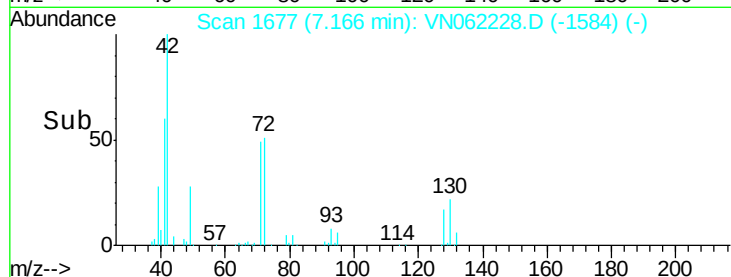
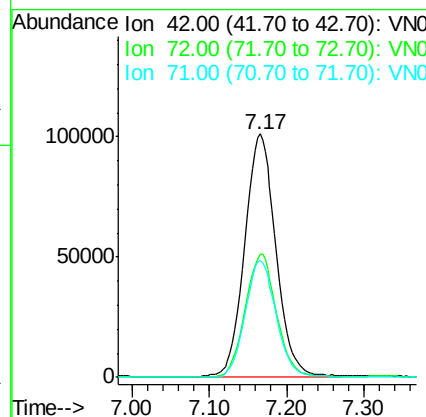
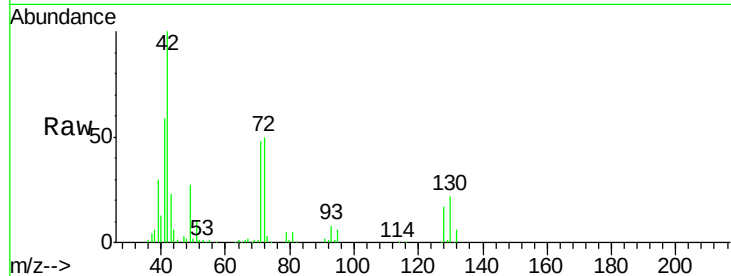
#29
Tetrahydrofuran
Concen: 286.770 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.5	41.1	61.7
71	47.3	38.2	57.4

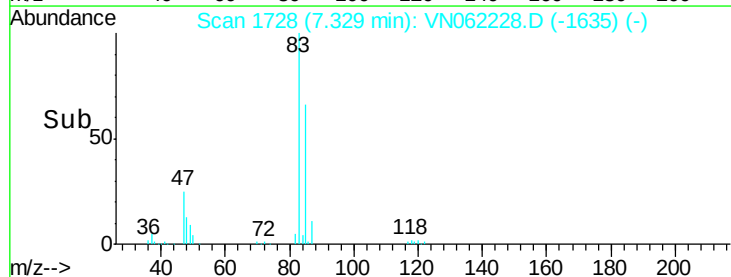
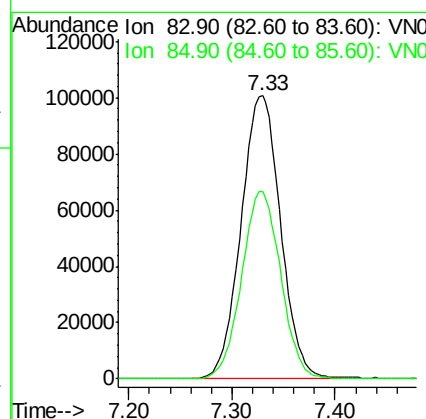
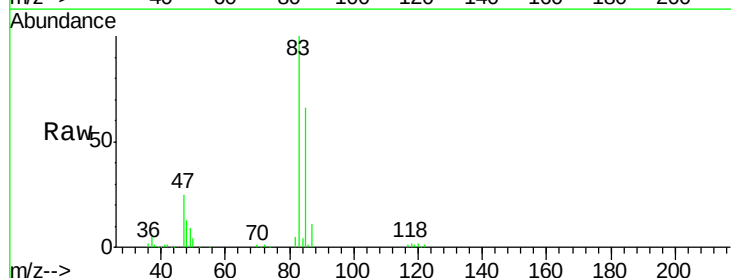
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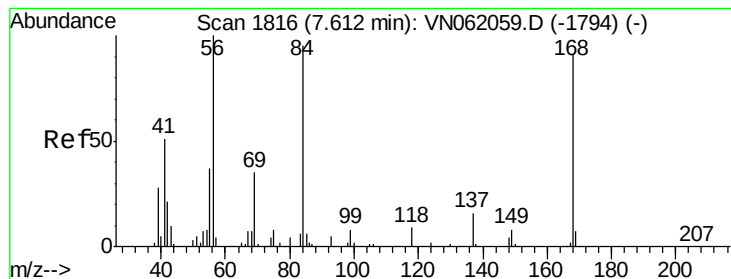
MMDadoda
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#30
Chloroform
Concen: 51.917 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.3	78.5





#31

Cyclohexane

Concen: 49.376 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

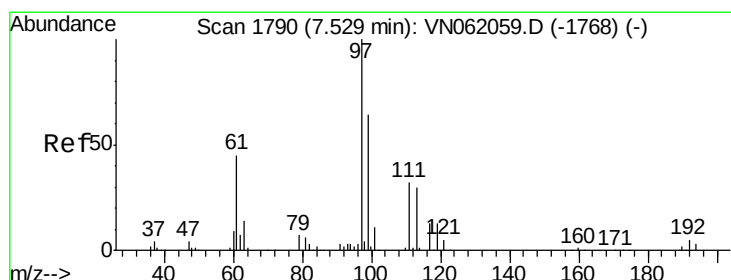
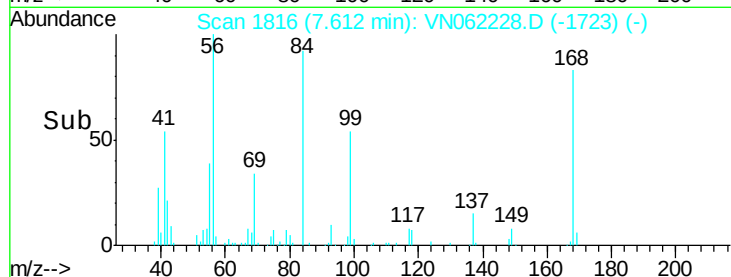
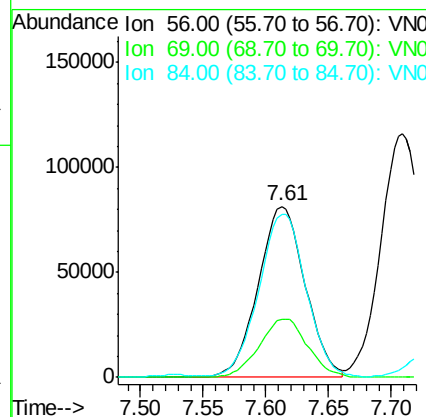
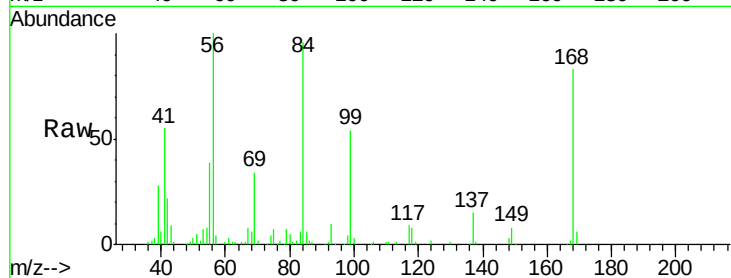
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	212190
Ion	Ratio	Lower	Upper
56	100		
69	34.0	28.0	42.0
84	94.5	76.1	114.1

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#32

1,1,1-Trichloroethane

Concen: 51.071 ug/l

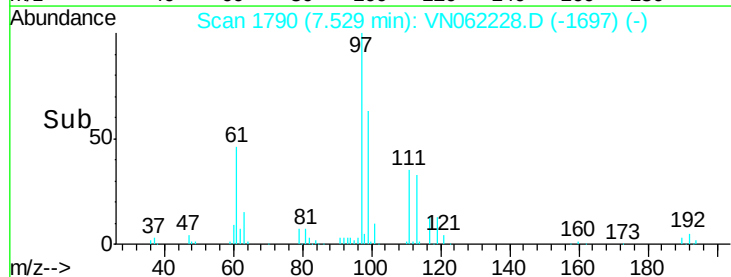
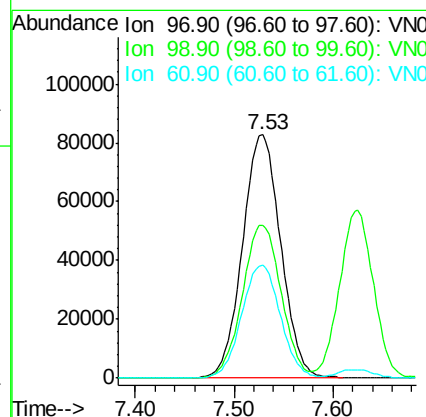
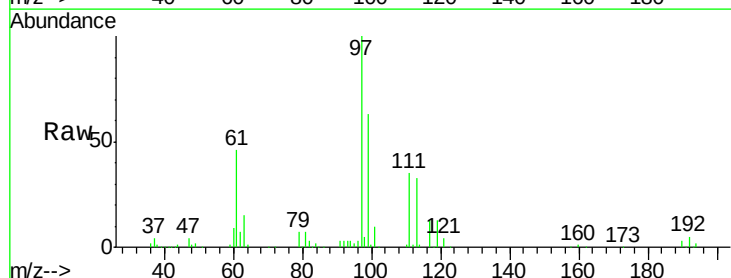
RT: 7.53 min Scan# 1790

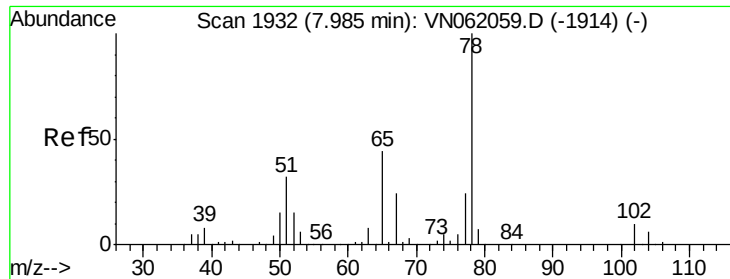
Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Tgt Ion:	97	Resp:	222626
Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.0	76.4
61	47.1	36.2	54.2





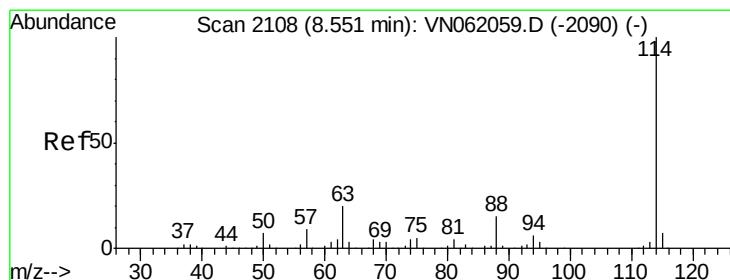
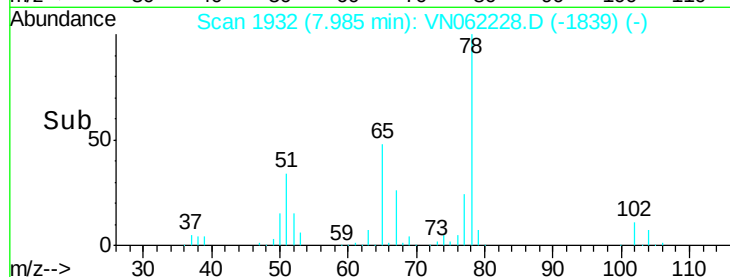
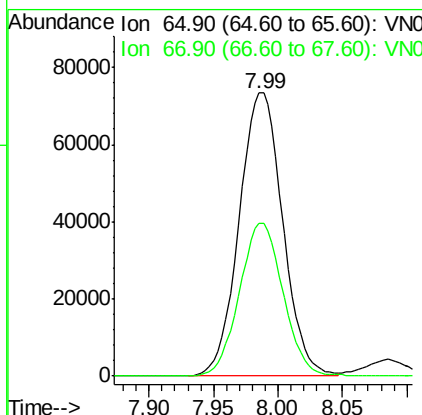
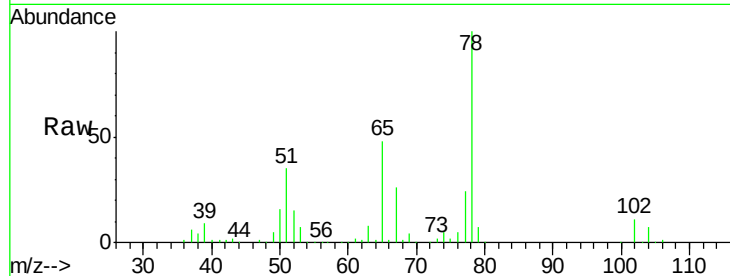
#33
 1,2-Dichloroethane-d4
 Concen: 55.526 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	172713		
67	54.1	0.0	106.2	

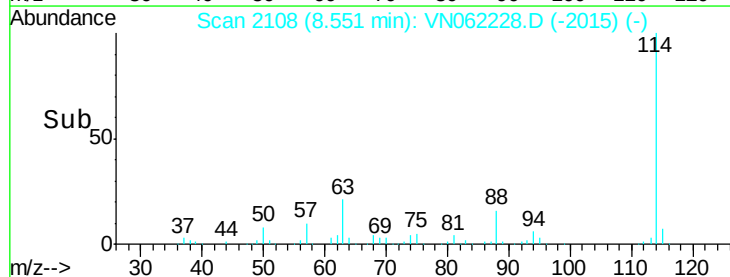
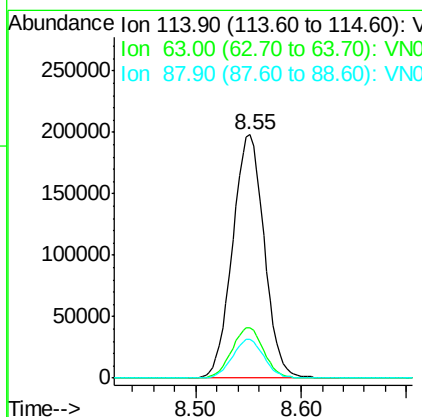
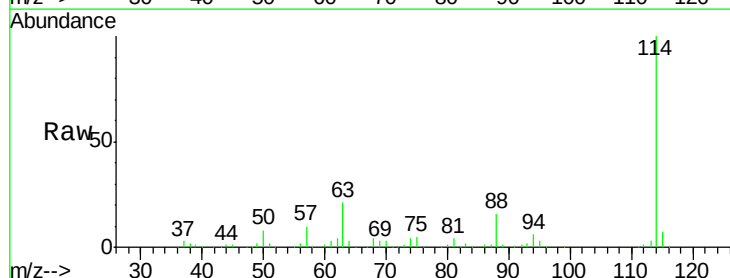
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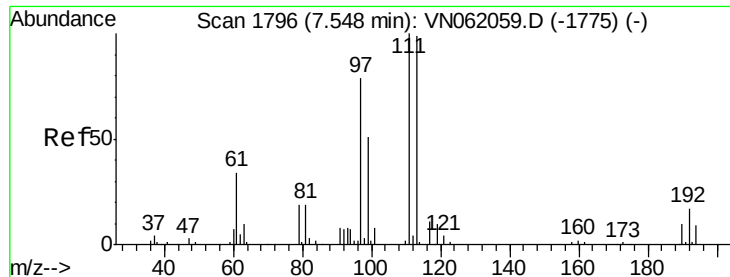
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	412537		
63	20.7	0.0	39.2	
88	16.0	0.0	30.8	





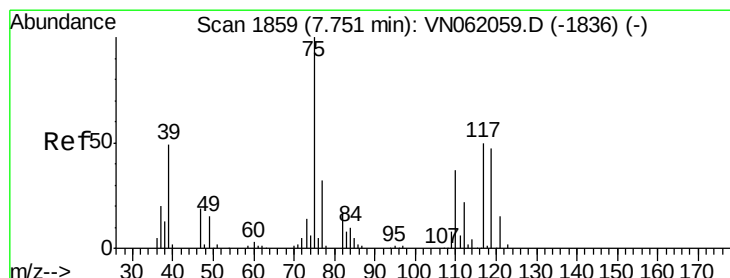
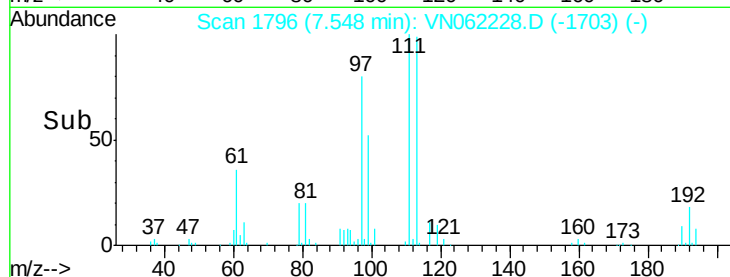
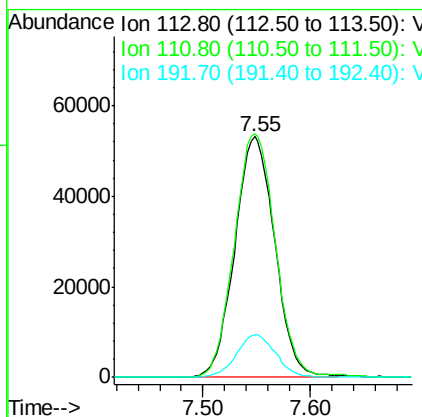
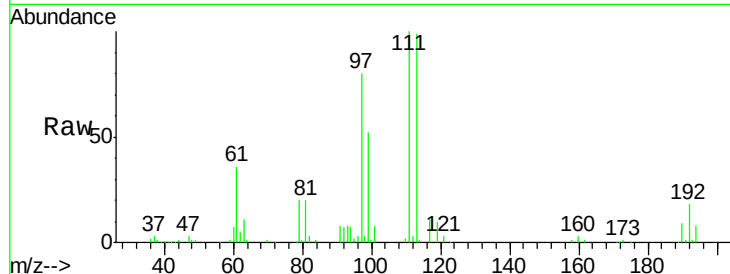
#35
 Dibromofluoromethane
 Concen: 51.631 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	136649		
111	103.8	82.2	123.4	
192	17.2	14.0	21.0	

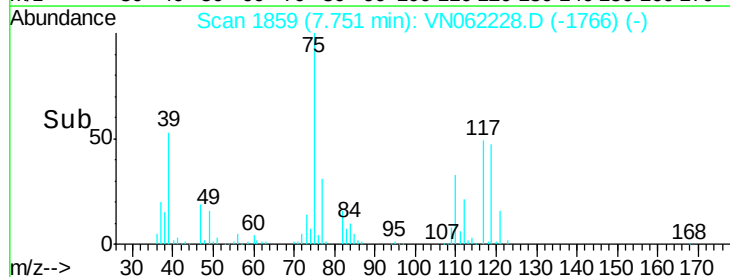
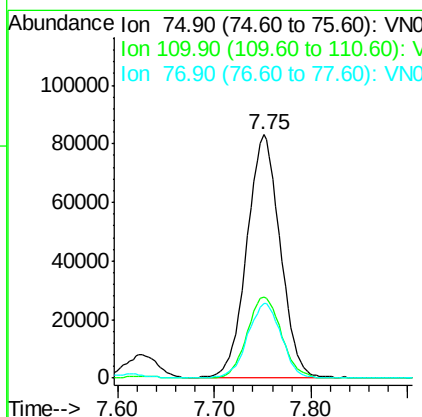
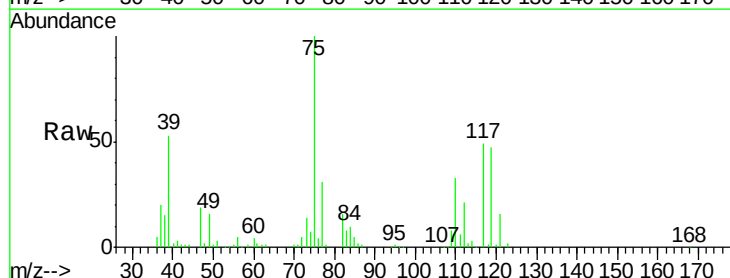
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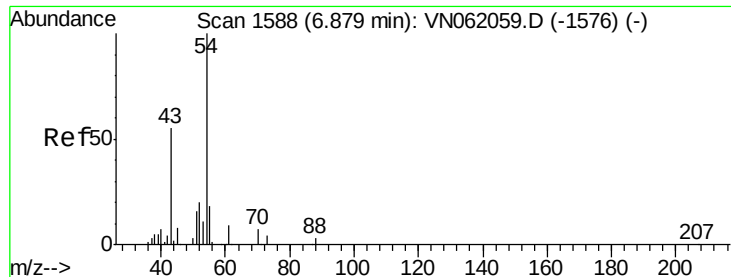
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#36
 1,1-Dichloropropene
 Concen: 47.758 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	198033		
110	34.3	17.9	53.8	
77	31.3	24.9	37.3	





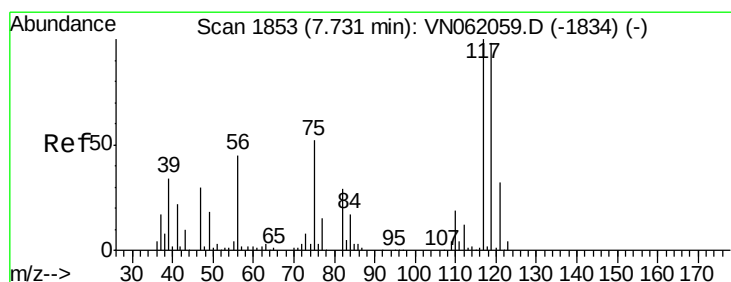
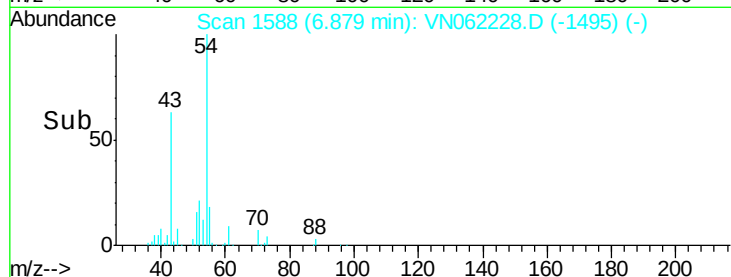
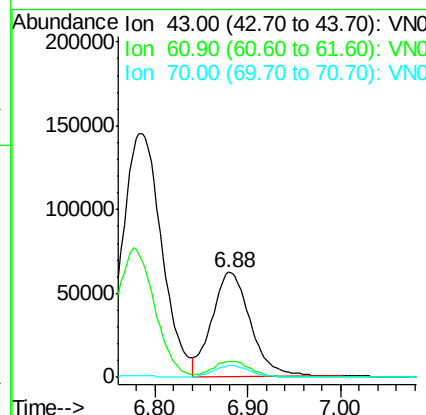
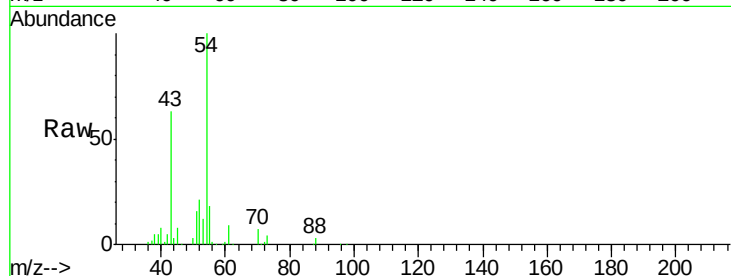
#37
Ethyl Acetate
Concen: 52.621 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	12.0	18.0
70	10.9	9.6	14.4

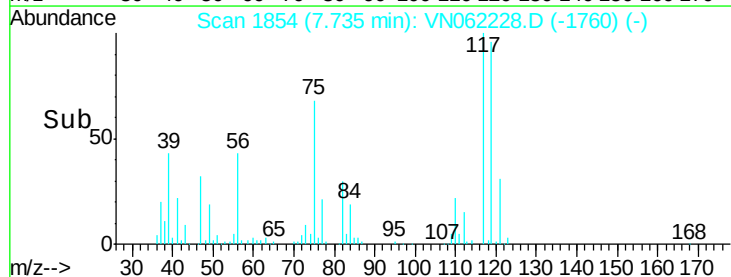
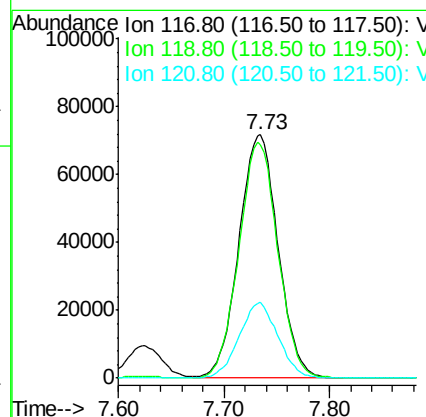
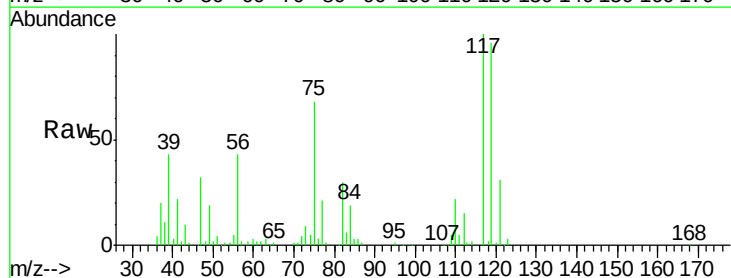
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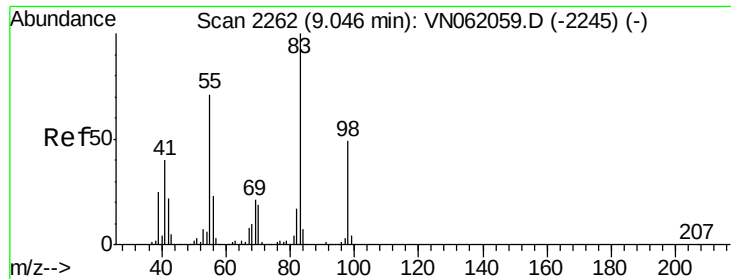
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#38
Carbon Tetrachloride
Concen: 47.047 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	78.2	117.2
121	31.1	25.8	38.6





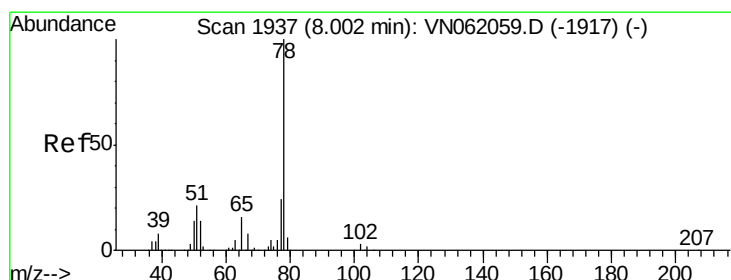
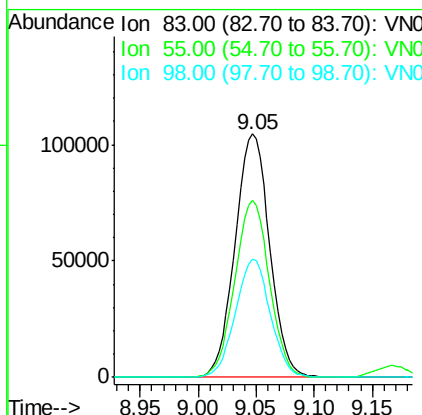
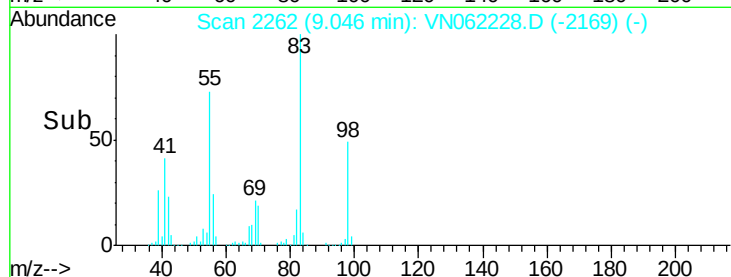
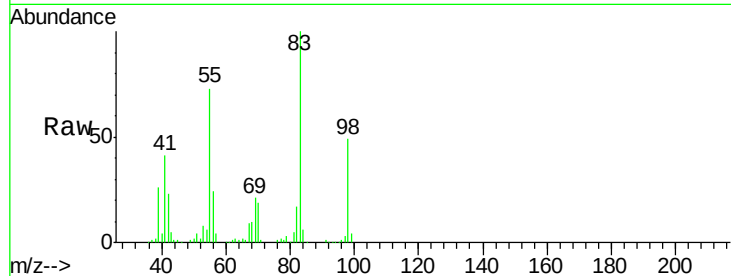
#39
Methylvlcyclohexane
Concen: 47.876 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	217519		
55	72.6		57.0	85.6
98	48.8		39.0	58.6

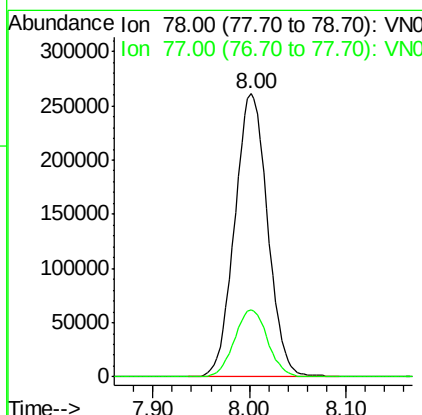
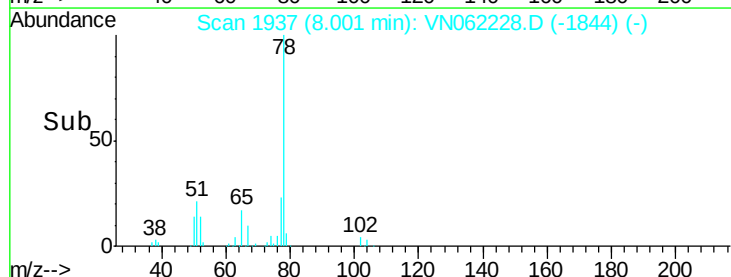
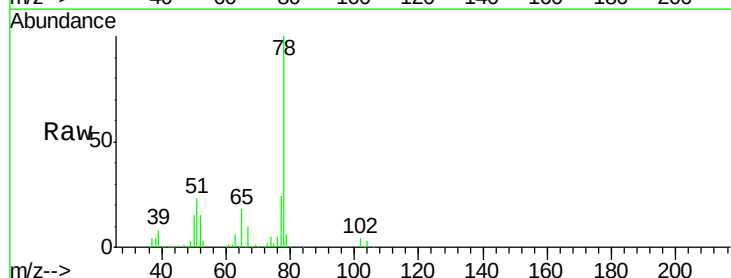
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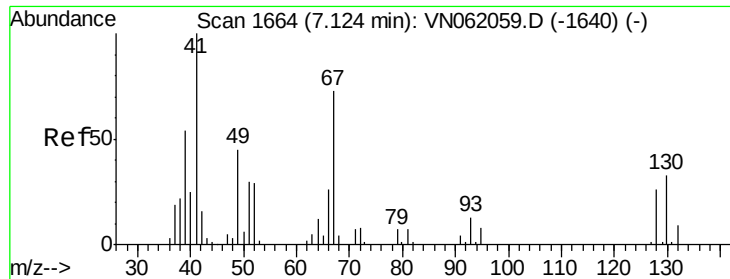
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#40
Benzene
Concen: 48.916 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	618235		
77	23.6		19.5	29.3





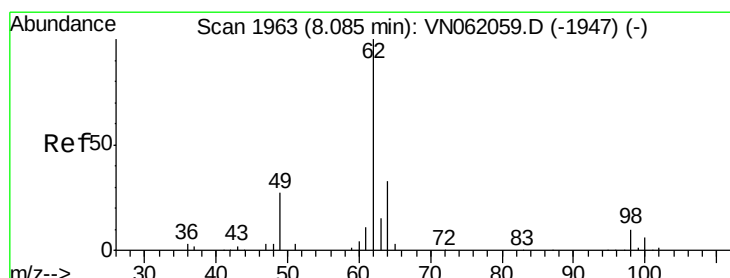
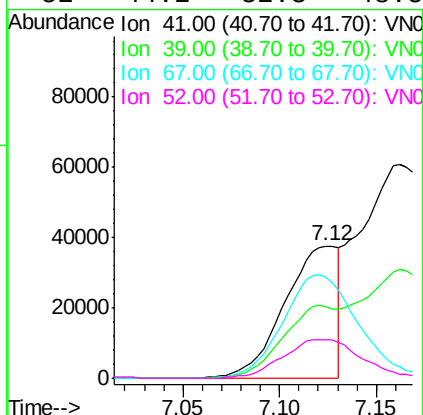
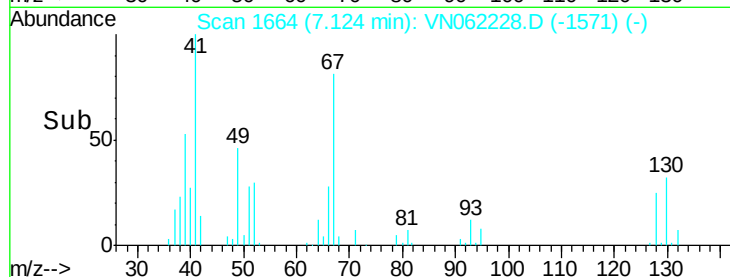
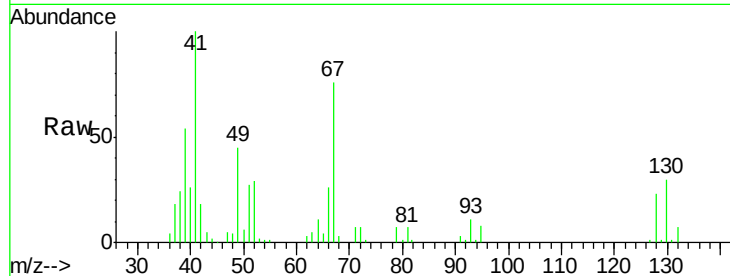
#41
Methacrylonitrile
Concen: 45.499 ug/l
RT: 7.12 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	72427
Ion Ratio	Lower	Upper	
41	100		
39	55.7	44.2	66.2
67	110.7	79.5	119.3
52	44.2	32.3	48.5

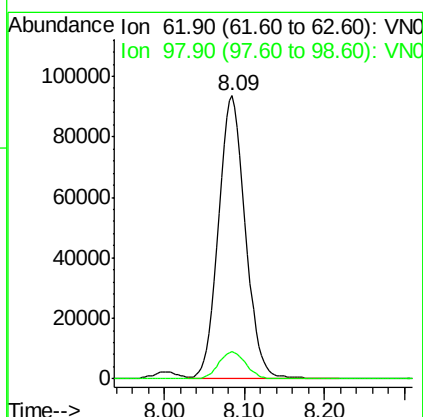
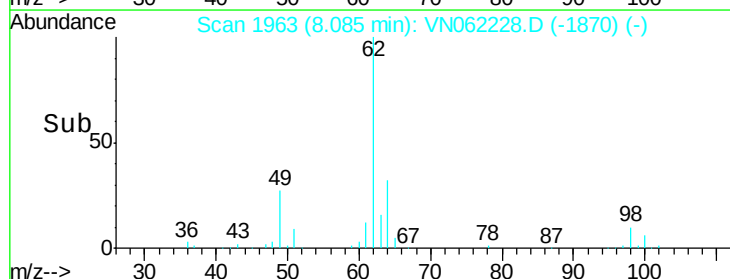
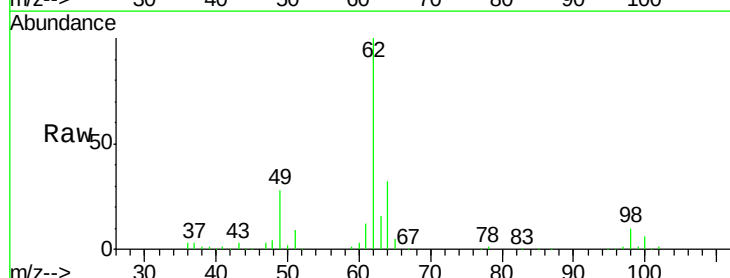
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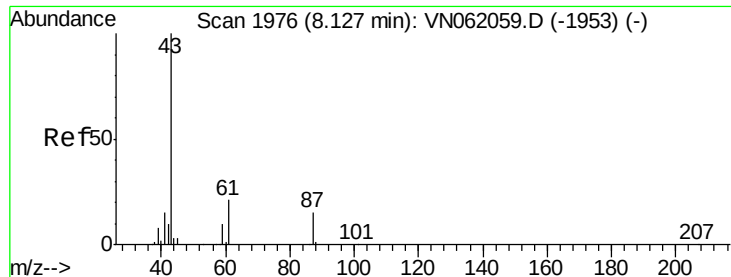
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.849 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion:	62	Resp:	217133
Ion Ratio	Lower	Upper	
62	100		
98	9.6	0.0	19.8





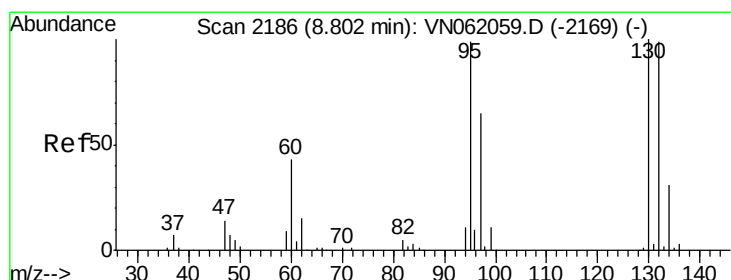
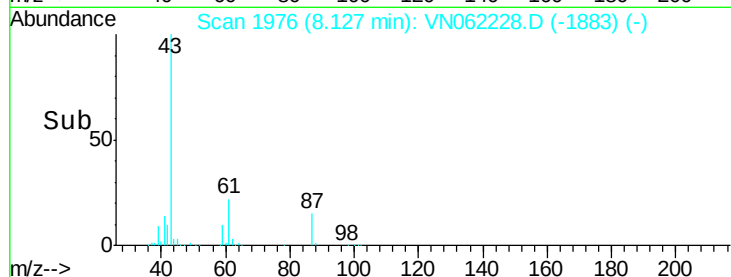
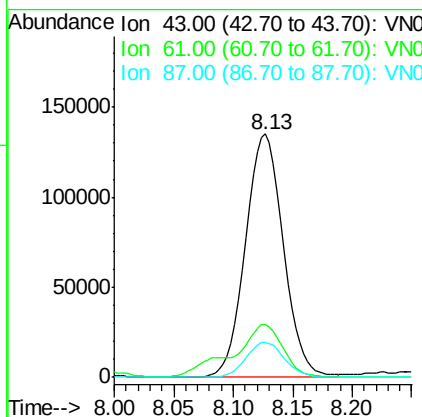
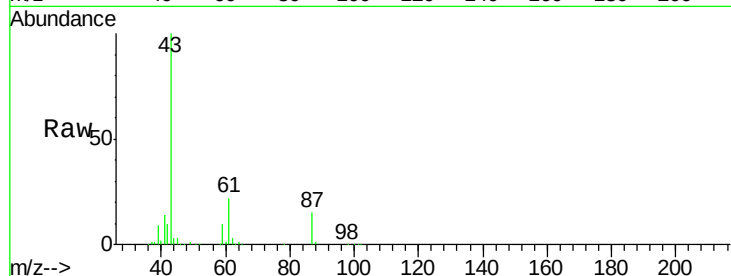
#43
Isopropyl Acetate
Concen: 53.129 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	17.2	25.8
87	14.5	12.1	18.1

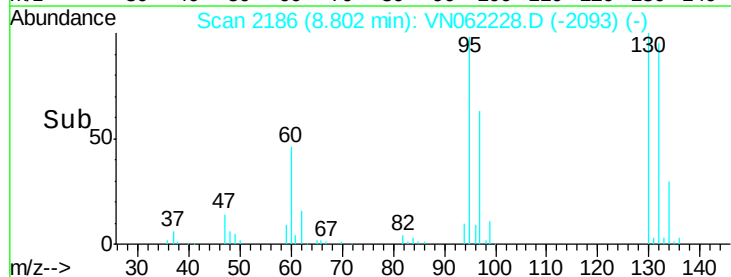
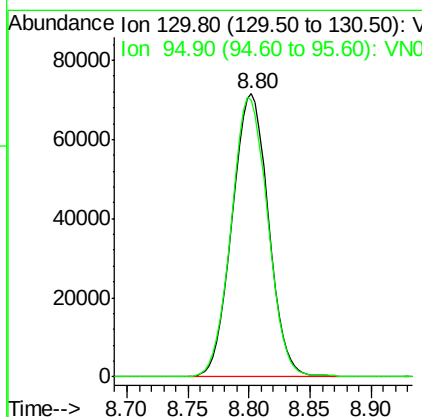
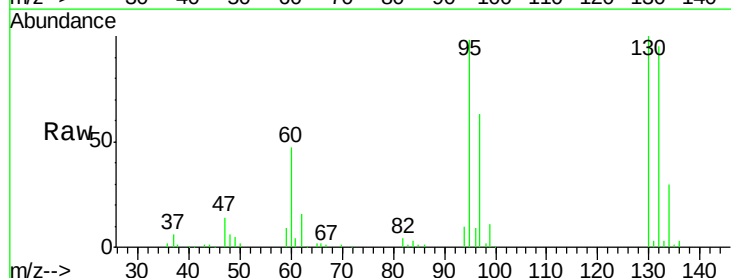
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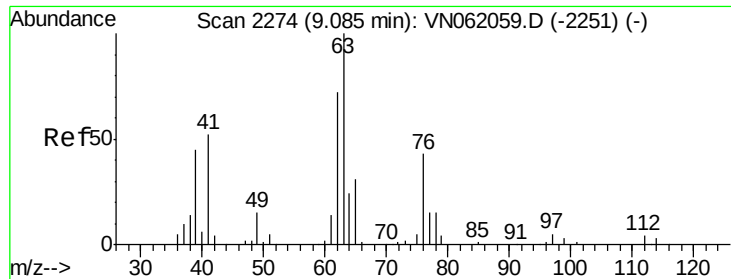
MMDadoda
6/30/2020 10:42:25 AM



#44
Trichloroethene
Concen: 46.362 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	197.8





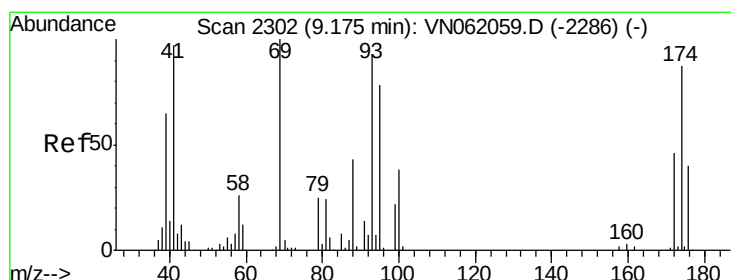
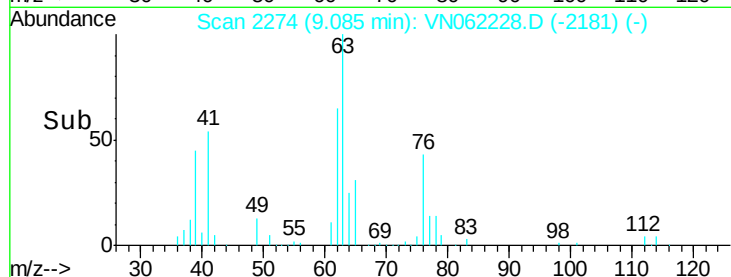
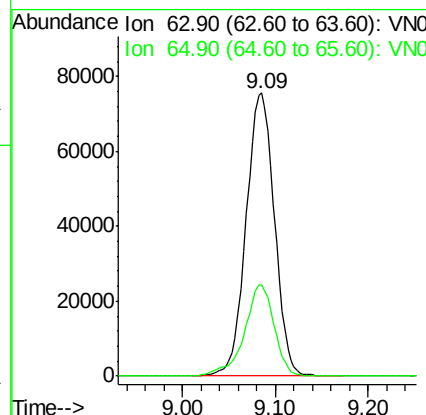
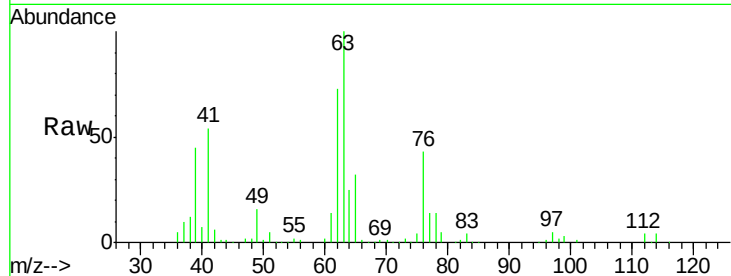
#45
 1,2-Dichloropropane
 Concen: 51.407 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 160290
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.0 37.4

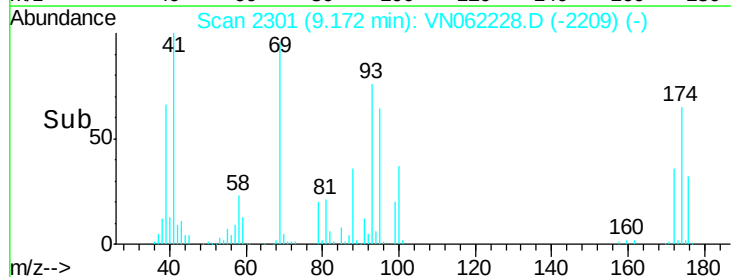
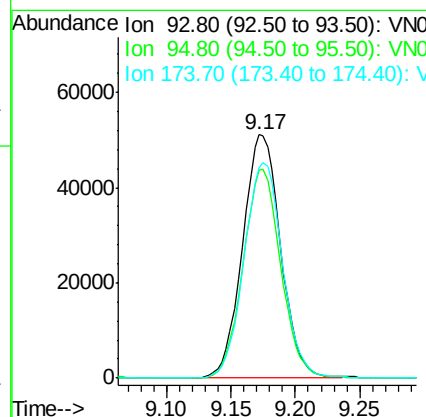
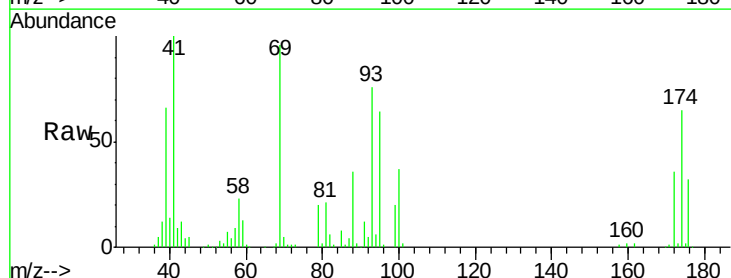
Manual Integrations
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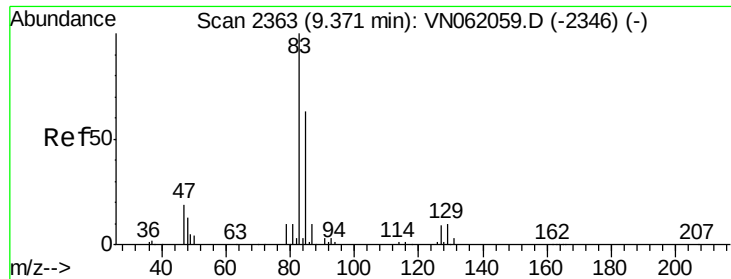
MMDadoda
 6/30/2020 10:42:25 AM



#46
 Dibromomethane
 Concen: 49.682 ug/l
 RT: 9.17 min Scan# 2301
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion: 93 Resp: 105029
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.0 100.6
 174 89.3 74.4 111.6





#47

Bromodichloromethane

Concen: 51.094 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

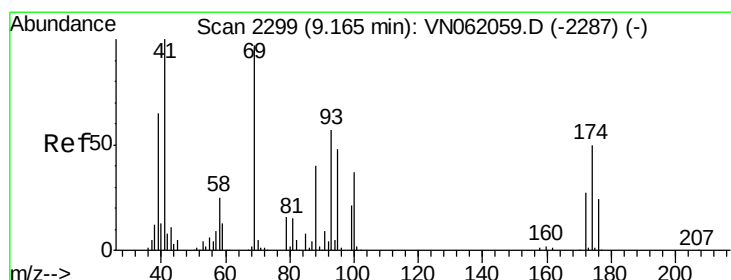
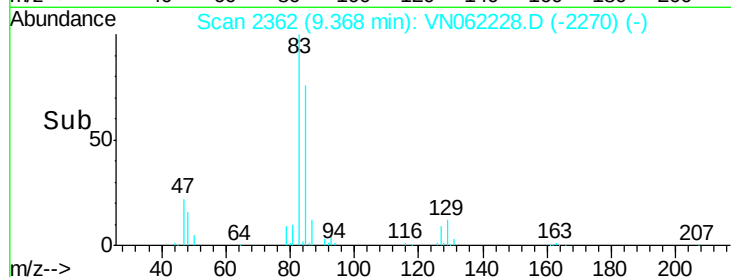
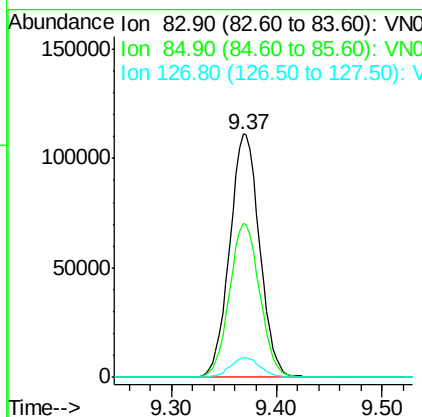
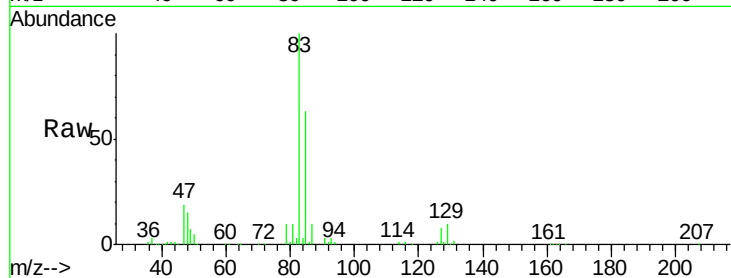
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	218096
Ion Ratio	Lower	Upper	
83	100		
85	63.3	50.3	75.5
127	7.8	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.964 ug/l

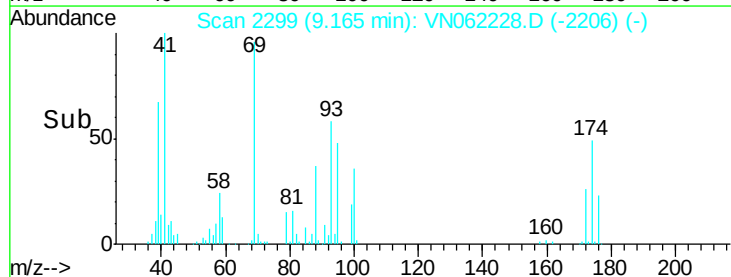
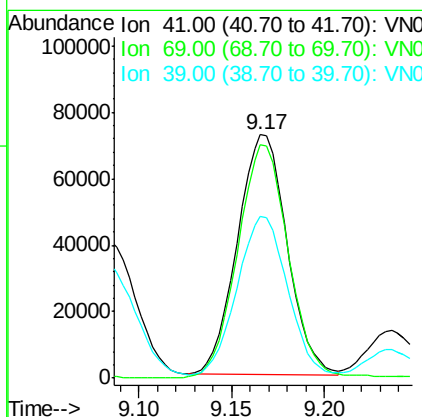
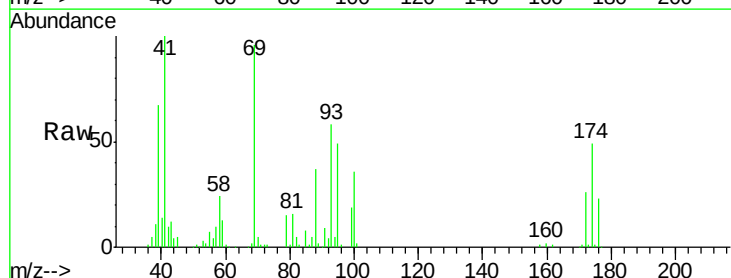
RT: 9.17 min Scan# 2299

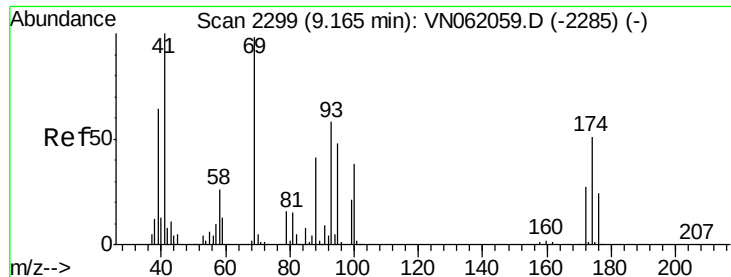
Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Tgt Ion:	41	Resp:	135433
Ion Ratio	Lower	Upper	
41	100		
69	99.3	80.7	121.1
39	68.8	54.5	81.7





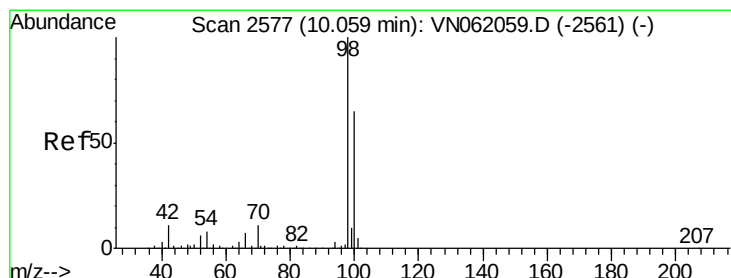
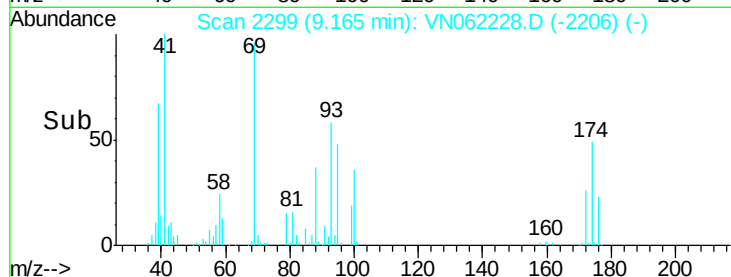
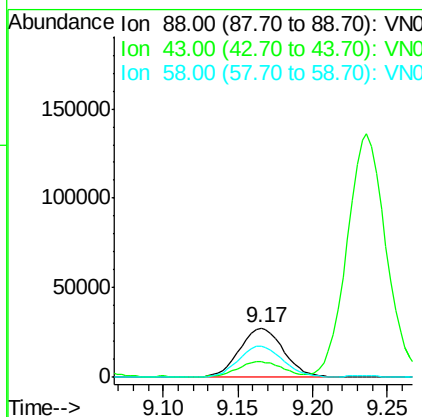
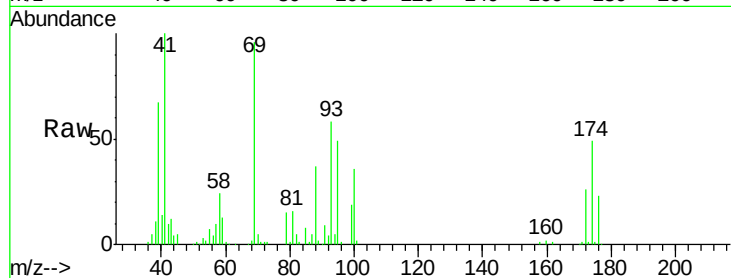
#49
1,4-Dioxane
Concen: 1016.751 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	31.0	22.0	33.0	
58	64.0	49.2	73.8	

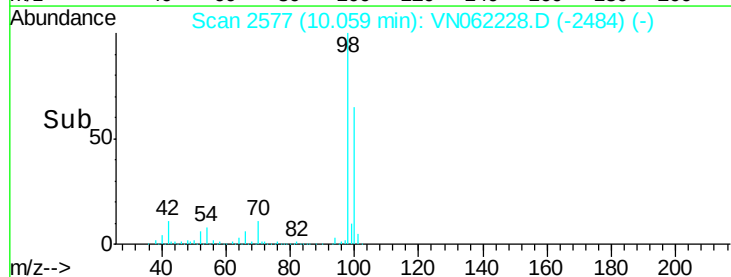
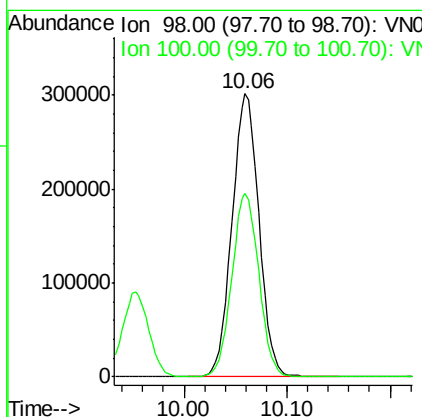
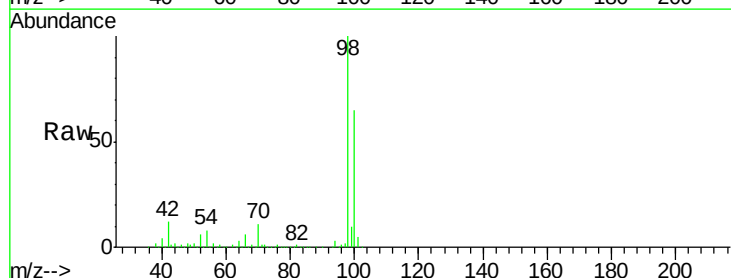
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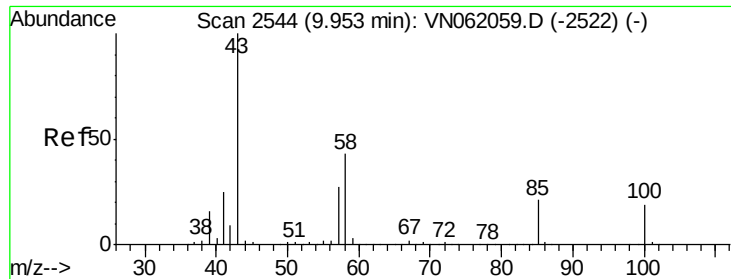
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#50
Toluene-d8
Concen: 51.926 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	64.7	51.2	76.8	





#51

4-Methyl-2-Pentanone

Concen: 283.247 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 926304

Ion Ratio Lower Upper

43 100

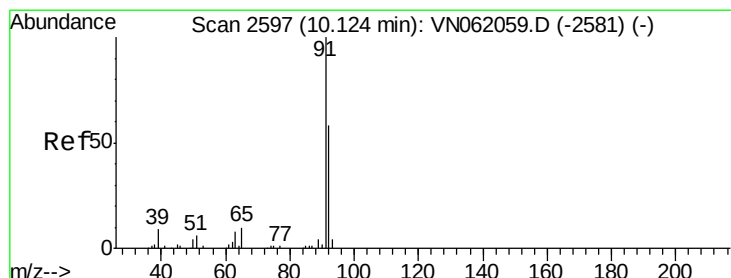
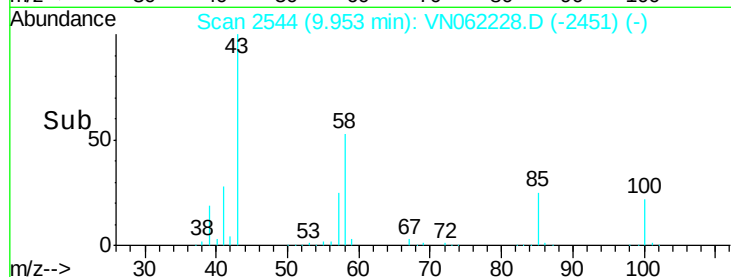
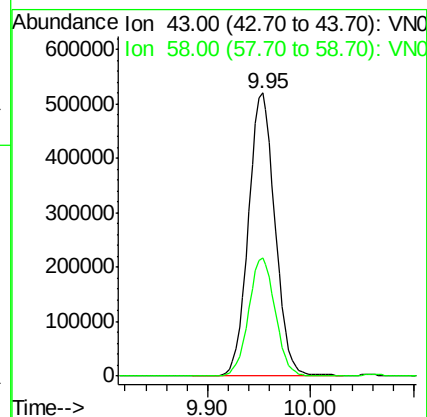
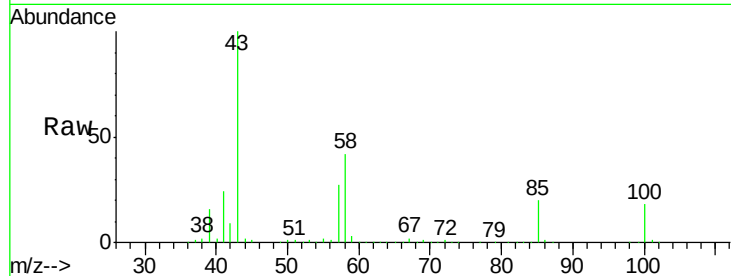
58 41.9 34.2 51.2

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#52

Toluene

Concen: 50.519 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062228.D

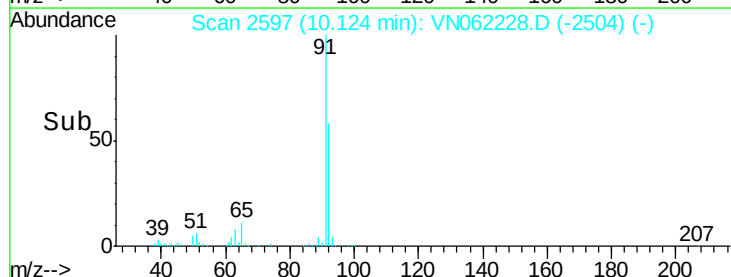
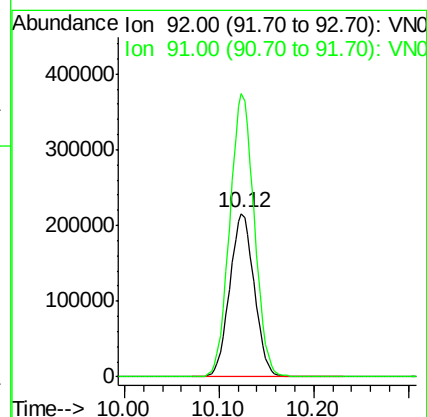
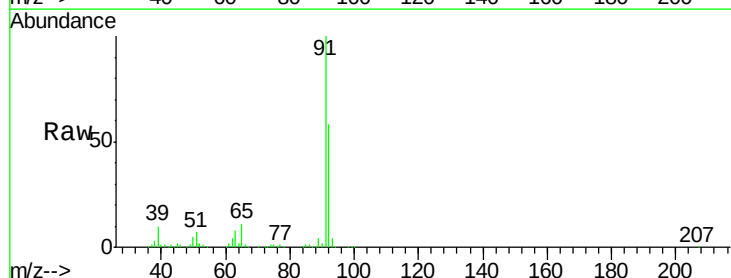
Acq: 30 Jun 2020 8:37

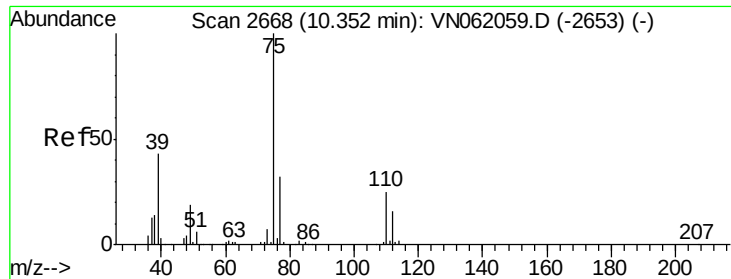
Tgt Ion: 92 Resp: 389578

Ion Ratio Lower Upper

92 100

91 173.2 137.4 206.0





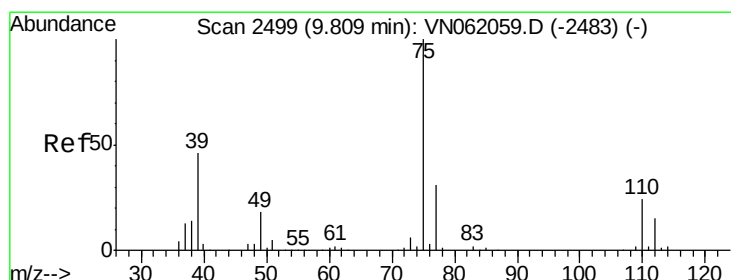
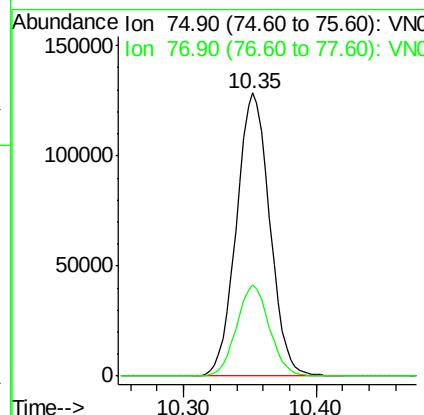
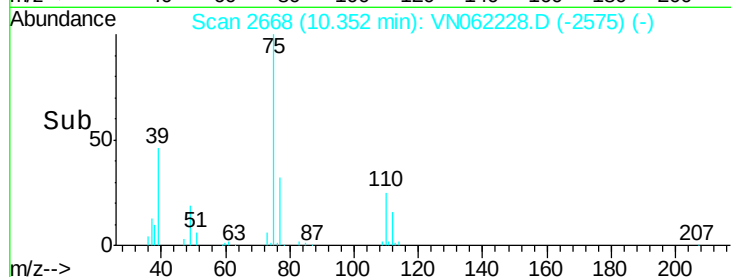
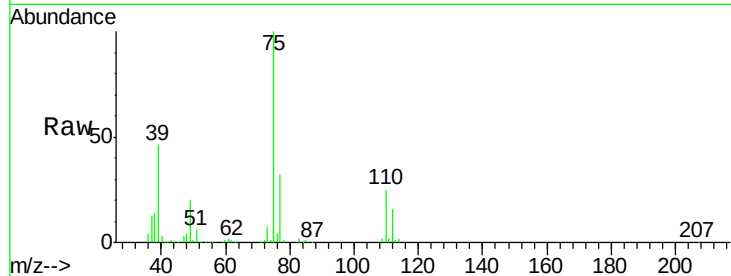
#53
t-1,3-Dichloropropene
Concen: 47.737 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 224180
Ion Ratio Lower Upper
75 100
77 32.2 25.5 38.3

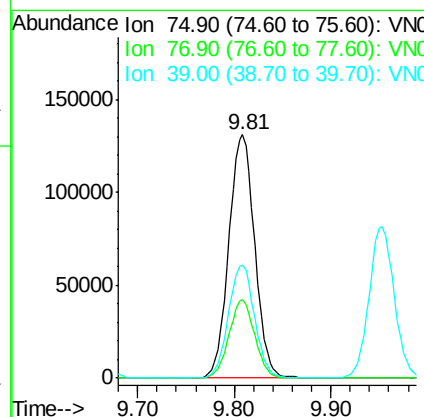
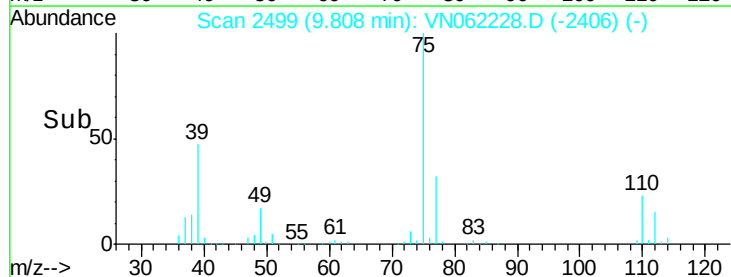
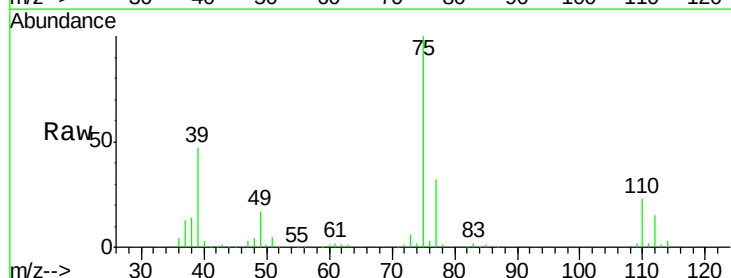
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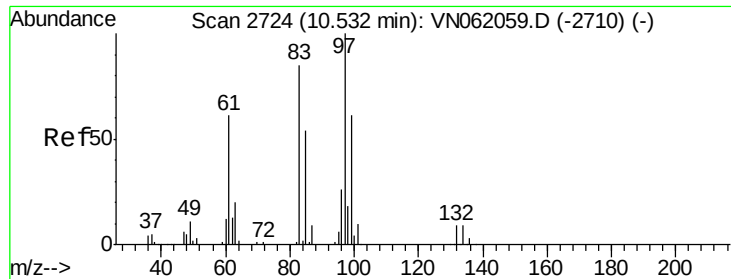
MMDadoda
6/30/2020 10:42:25 AM



#54
cis-1,3-Dichloropropene
Concen: 48.869 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion: 75 Resp: 244333
Ion Ratio Lower Upper
75 100
77 32.1 25.0 37.6
39 46.6 36.9 55.3





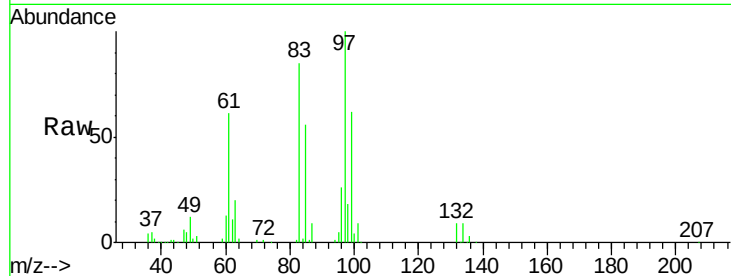
#55
 1,1,2-Trichloroethane
 Concen: 51.857 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	157196
Ion	Ratio	Lower	Upper
97	100		
83	84.8	68.2	102.2
85	56.5	43.2	64.8
99	61.5	48.5	72.7

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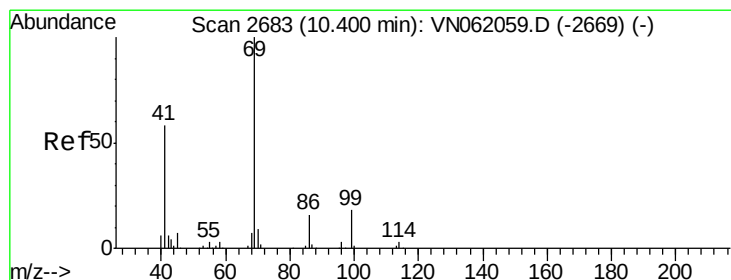
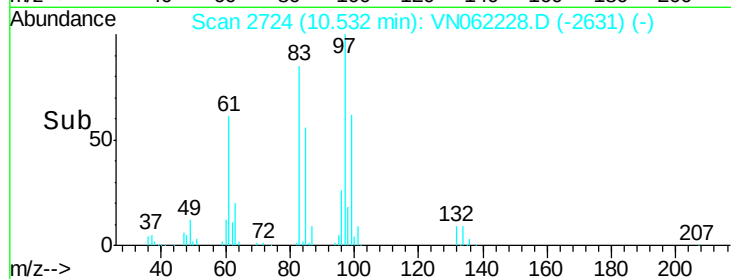
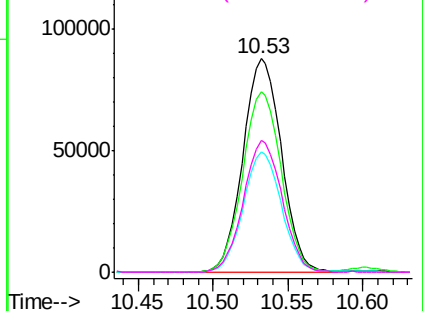


Abundance Ion 96.90 (96.60 to 97.60): VN062228.D (-2631) (-)

Ion 82.90 (82.60 to 83.60): VN062228.D (-2631) (-)

Ion 84.90 (84.60 to 85.60): VN062228.D (-2631) (-)

Ion 98.90 (98.60 to 99.60): VN062228.D (-2631) (-)



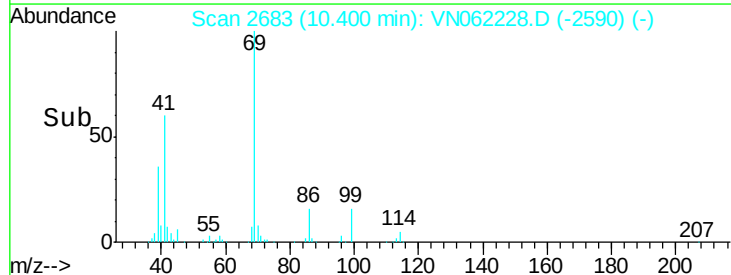
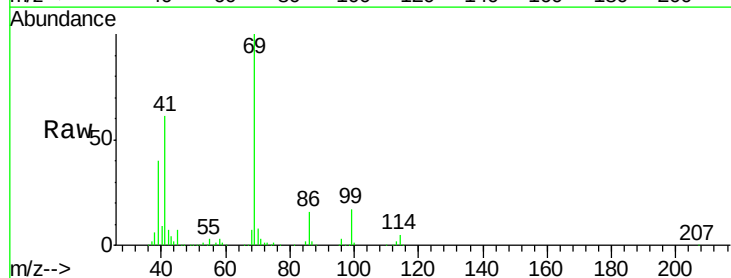
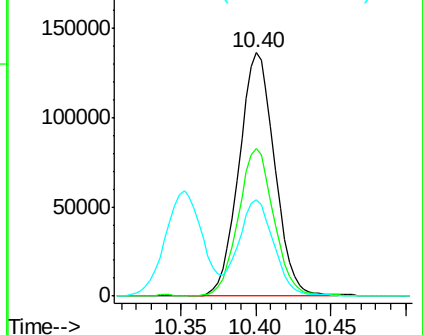
#56
 Ethyl methacrylate
 Concen: 55.931 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

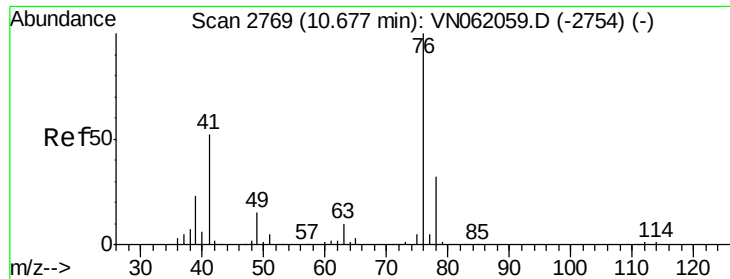
Tgt Ion:	69	Resp:	226267
Ion	Ratio	Lower	Upper
69	100		
41	59.8	46.6	70.0
39	38.7	31.0	46.4

Abundance Ion 69.00 (68.70 to 69.70): VN062228.D (-2590) (-)

Ion 41.00 (40.70 to 41.70): VN062228.D (-2590) (-)

Ion 39.00 (38.70 to 39.70): VN062228.D (-2590) (-)





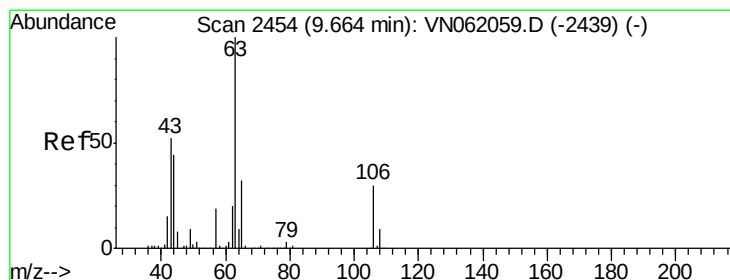
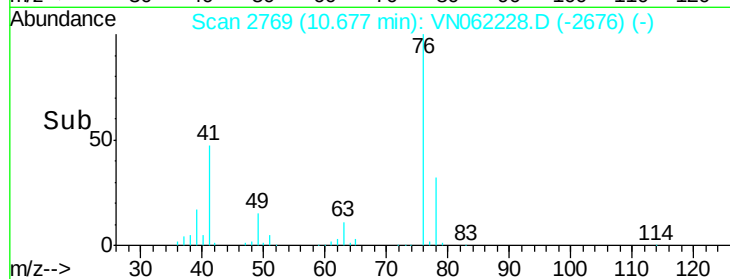
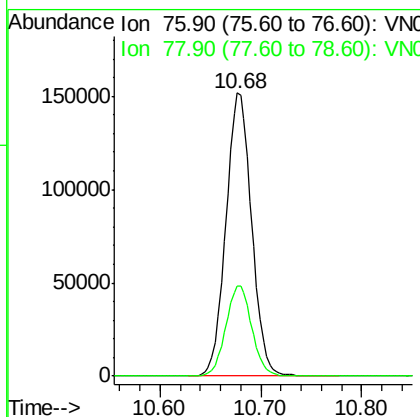
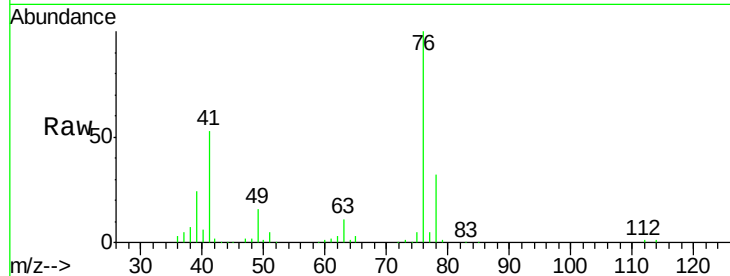
#57
 1,3-Dichloropropane
 Concen: 51.711 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.8	38.8

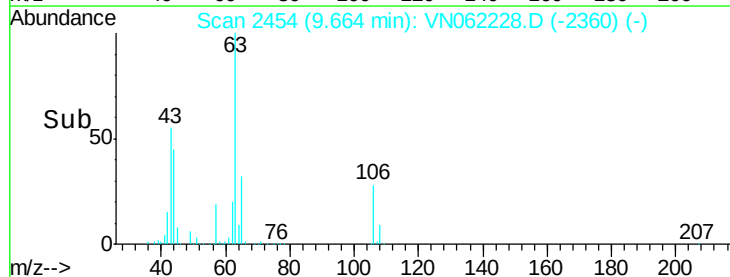
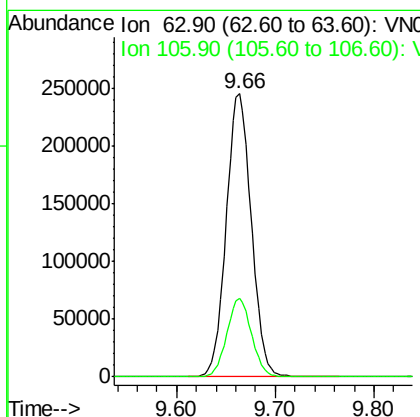
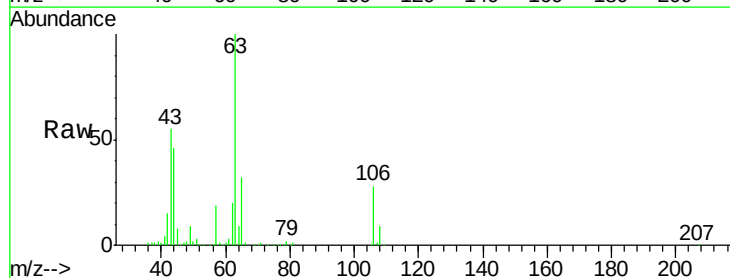
Manual Integrations
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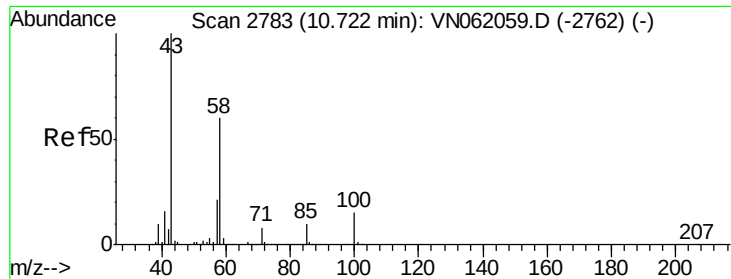
MMDadoda
 6/30/2020 10:42:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 254.019 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.3	23.2	34.8





#59

2-Hexanone

Concen: 285.781 ug/l

RT: 10.72 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 674864

Ion Ratio Lower Upper

43 100

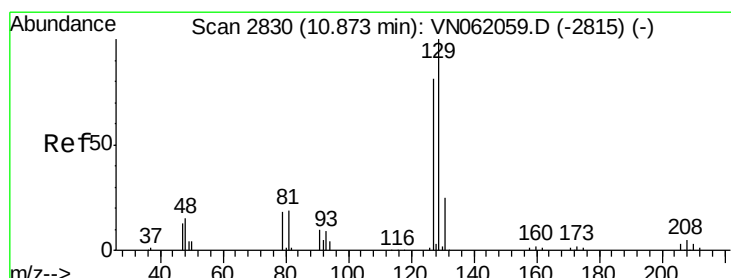
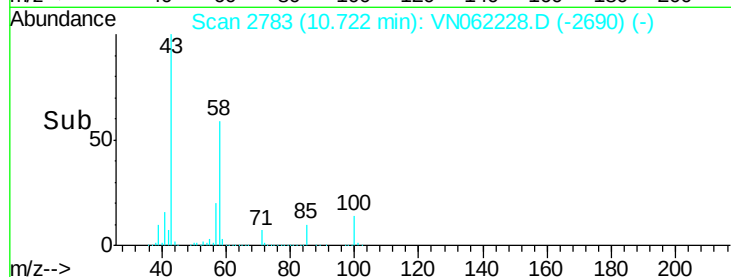
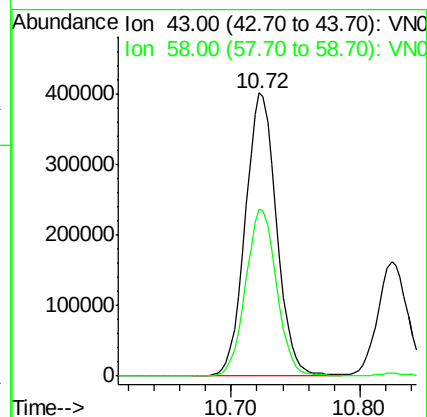
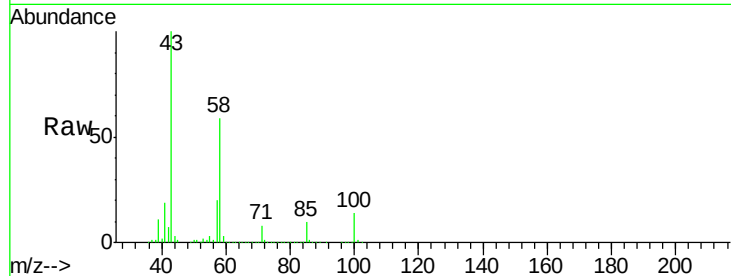
58 58.8 29.5 88.5

Manual Integrations

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#60

Dibromochloromethane

Concen: 50.833 ug/l

RT: 10.87 min Scan# 2830

Delta R.T. -0.00 min

Lab File: VN062228.D

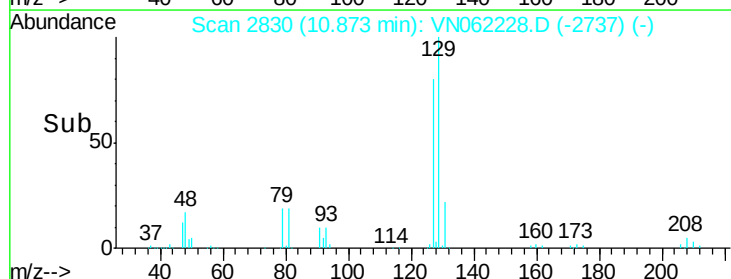
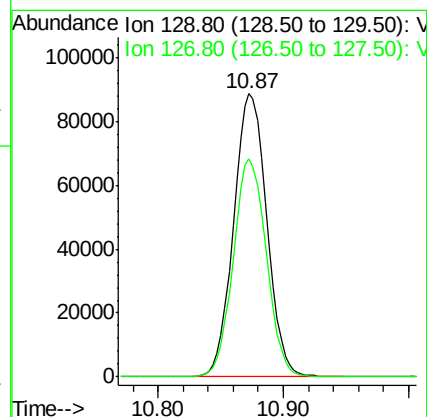
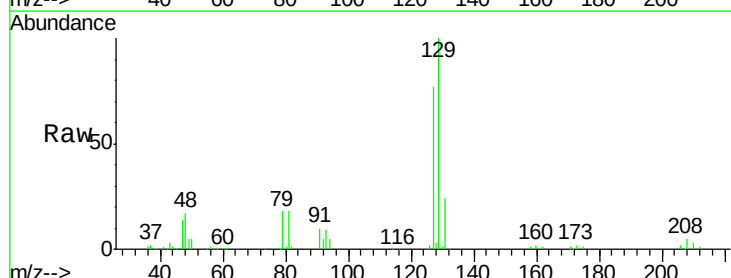
Acq: 30 Jun 2020 8:37

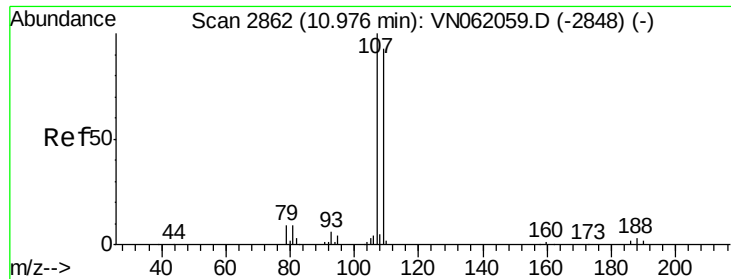
Tgt Ion: 129 Resp: 163141

Ion Ratio Lower Upper

129 100

127 76.8 39.5 118.5





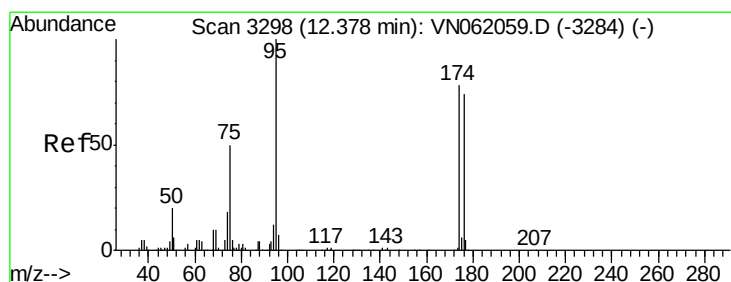
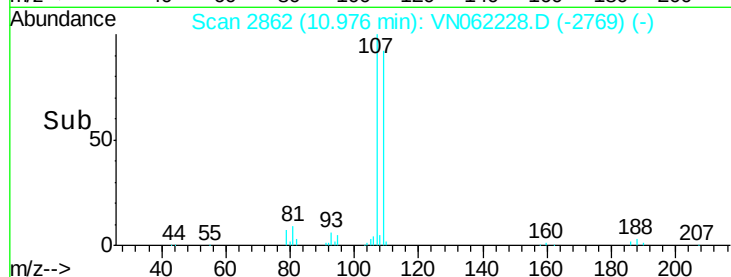
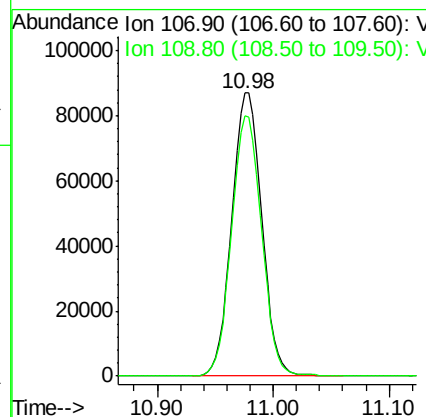
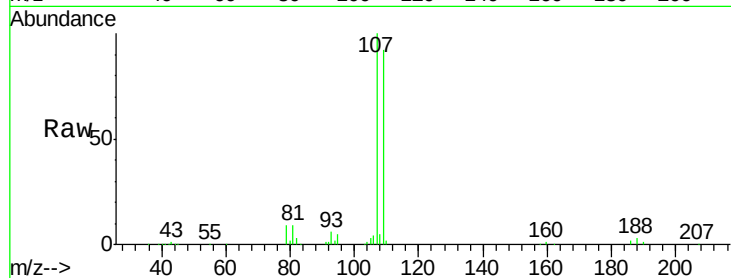
#61
 1,2-Dibromoethane
 Concen: 49.851 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.0	112.6

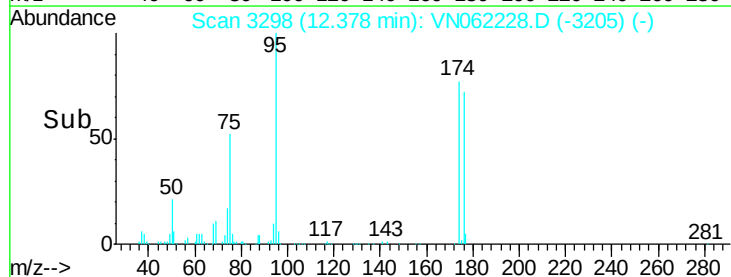
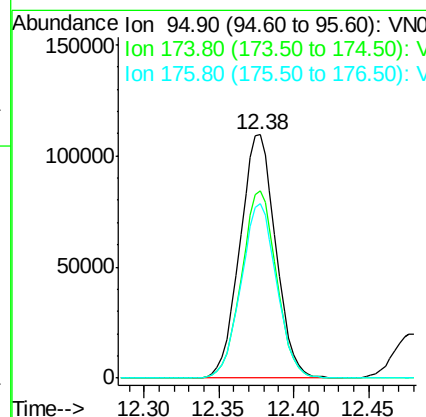
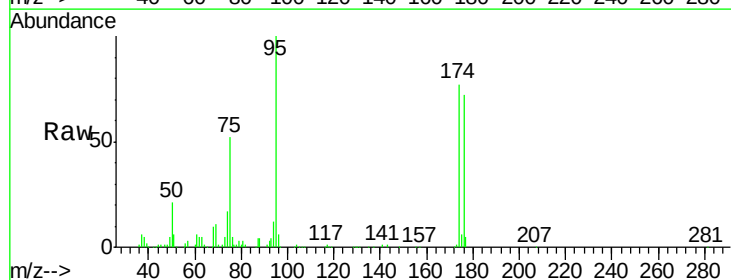
Manual Integrations
 APPROVED

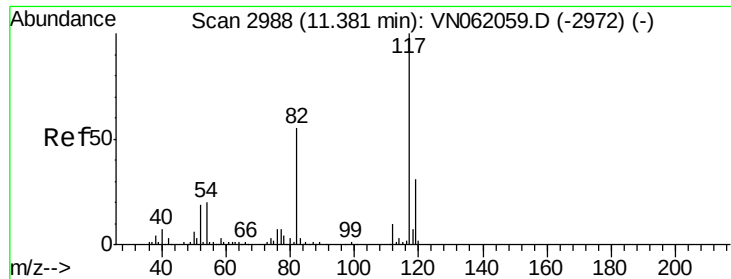
MMDadoda
 6/30/2020 10:42:25 AM



#62
 4-Bromofluorobenzene
 Concen: 51.040 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	154.8
176	71.0	0.0	147.4





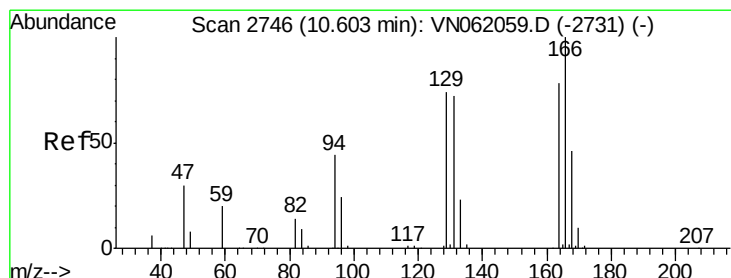
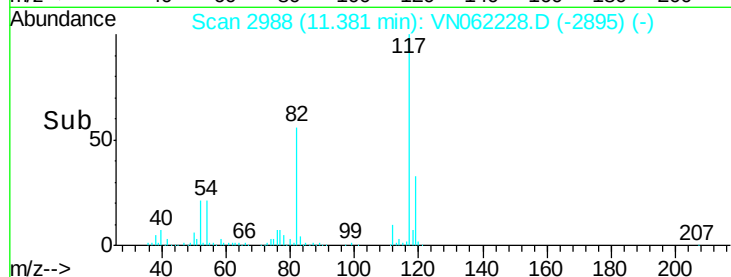
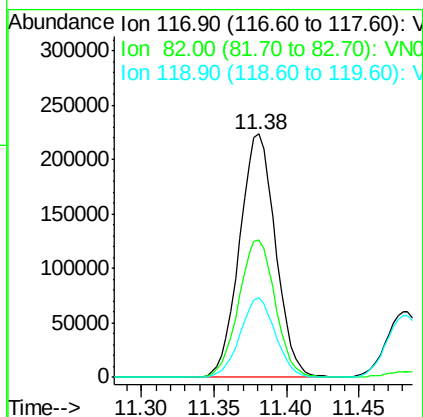
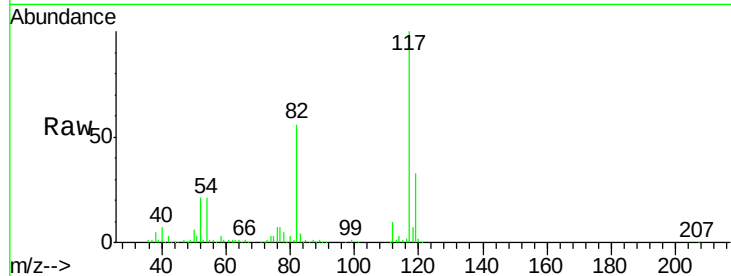
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	43.8	65.8
119	32.7	25.2	37.8

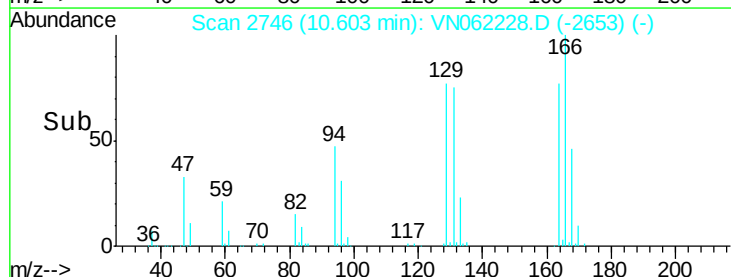
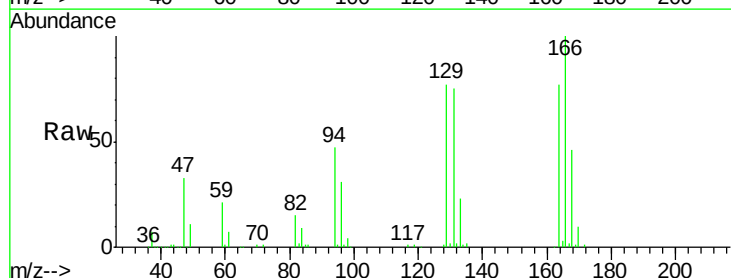
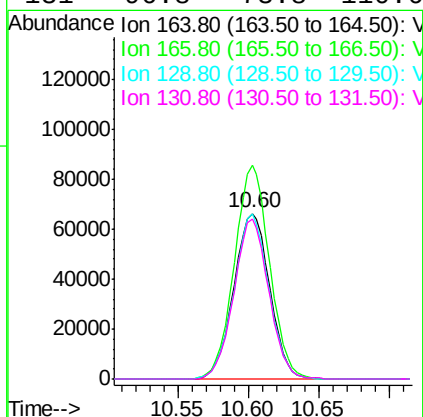
Manual Integrations
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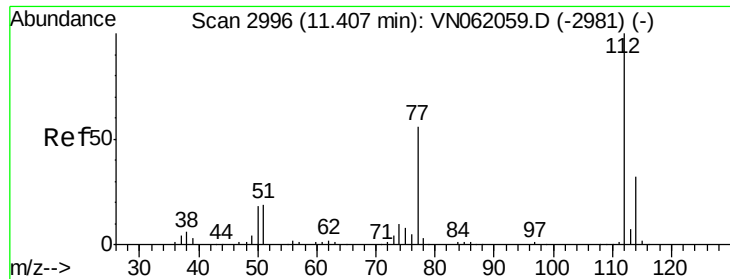
MMDadoda
6/30/2020 10:42:25 AM



#64
Tetrachloroethene
Concen: 44.659 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.3	102.9	154.3
129	99.6	75.8	113.8
131	96.8	73.8	110.6





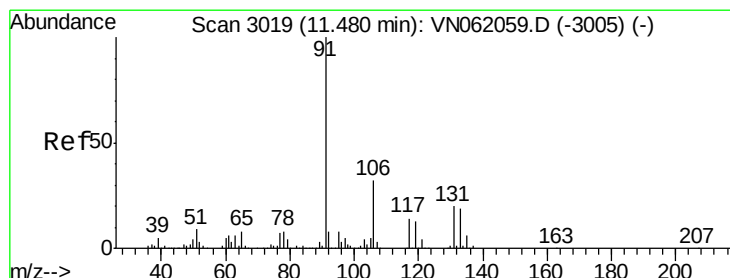
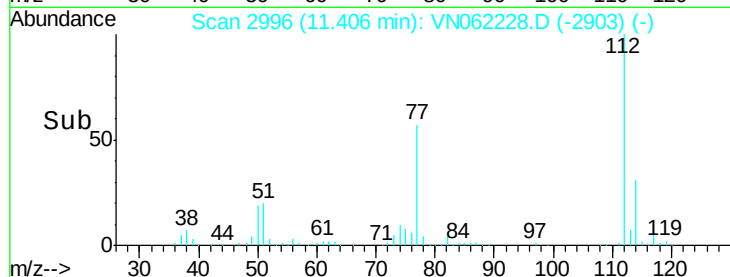
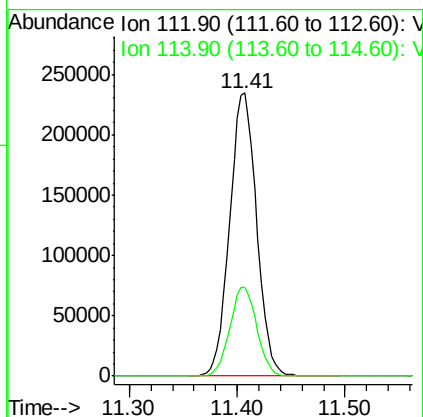
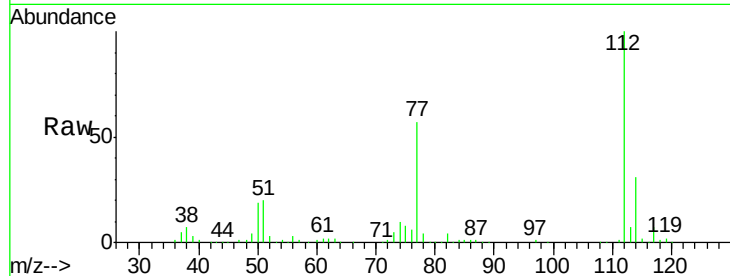
#65
Chlorobenzene
Concen: 48.162 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 409379
Ion Ratio Lower Upper
112 100
114 31.4 25.8 38.8

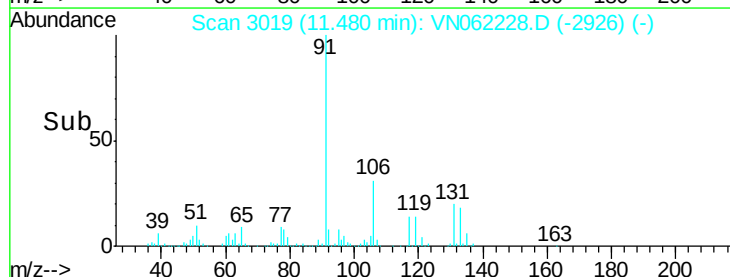
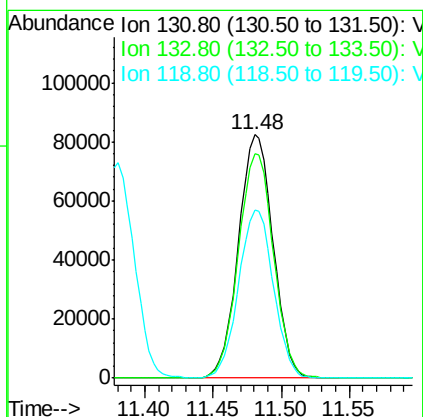
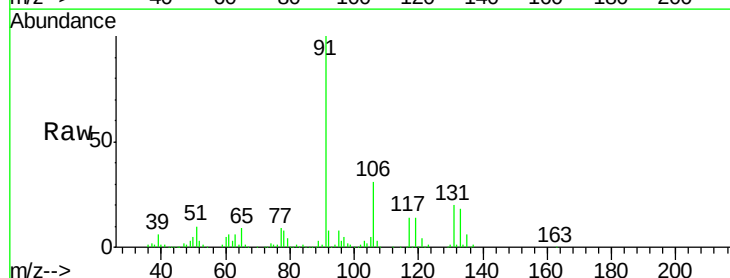
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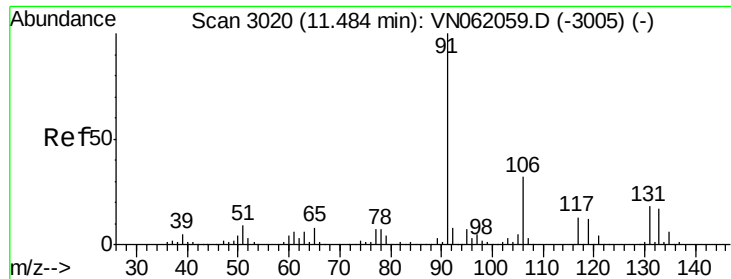
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.426 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion:131 Resp: 145274
Ion Ratio Lower Upper
131 100
133 93.8 47.6 142.9
119 69.3 34.4 103.3





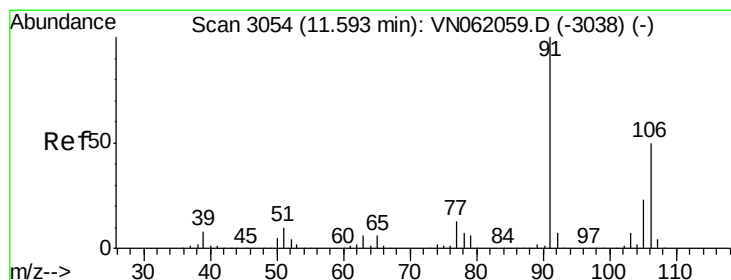
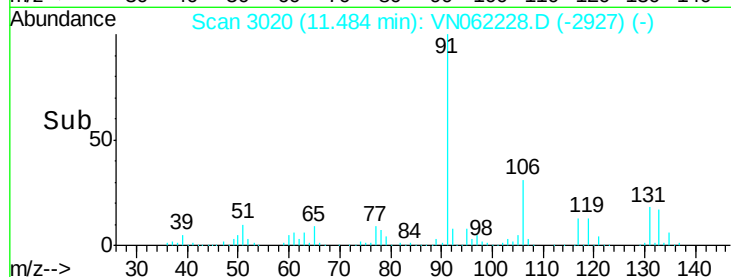
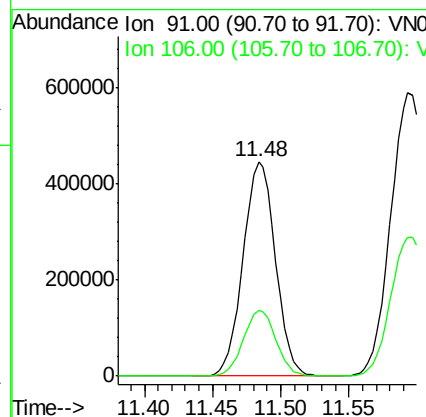
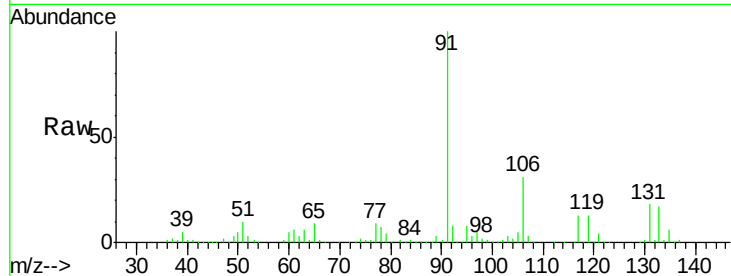
#67
Ethyl Benzene
Concen: 51.170 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 734570
Ion Ratio Lower Upper
91 100
106 30.6 25.3 37.9

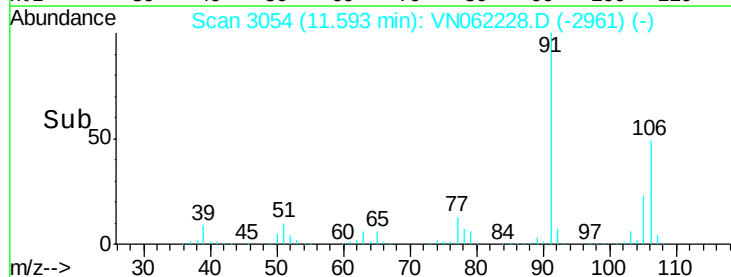
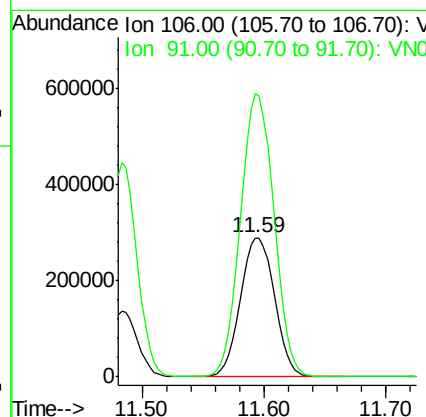
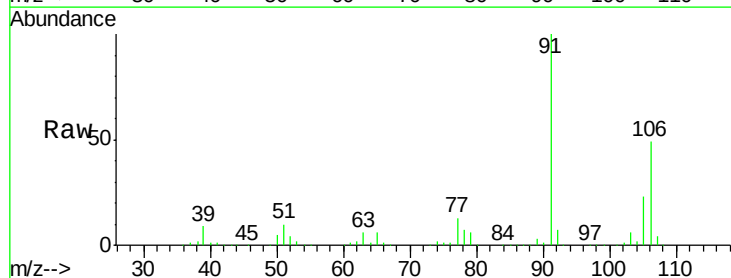
Manual Integrations
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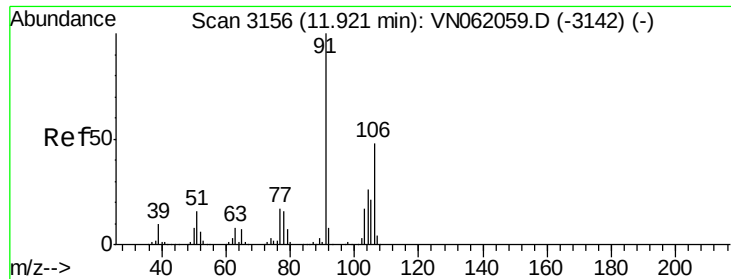
MMDadoda
6/30/2020 10:42:25 AM



#68
m/p-Xylenes
Concen: 100.494 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion: 106 Resp: 557992
Ion Ratio Lower Upper
106 100
91 200.9 157.8 236.8





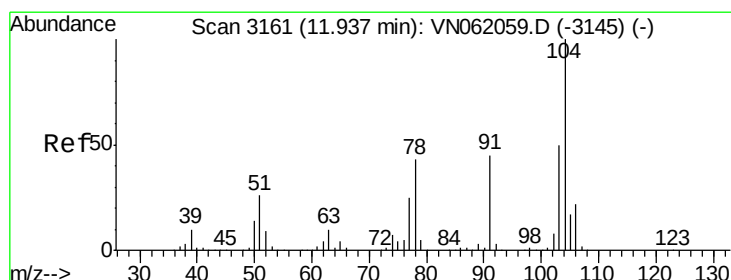
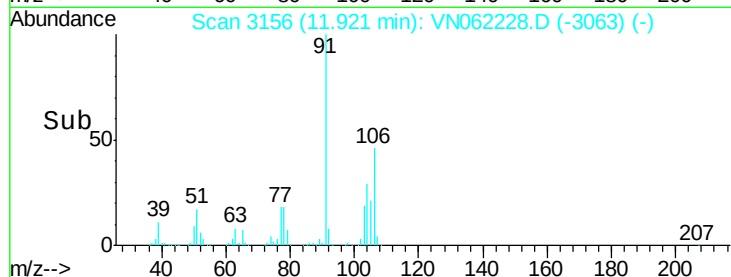
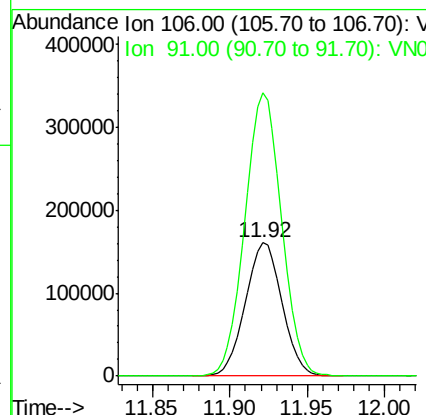
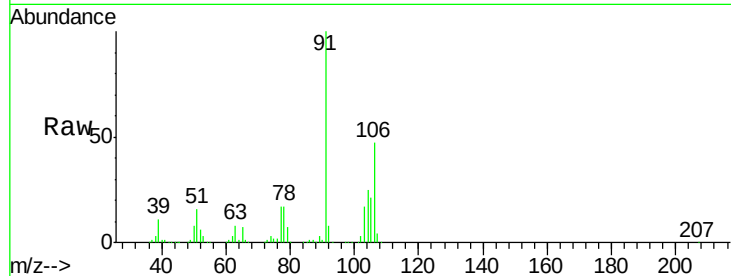
#69
o-Xylene
Concen: 50.717 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	265696		
91	91	212.6	104.0	311.9	

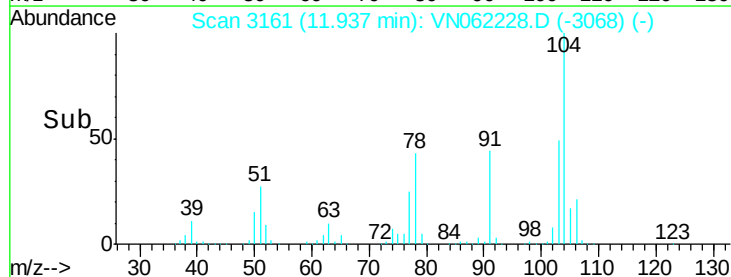
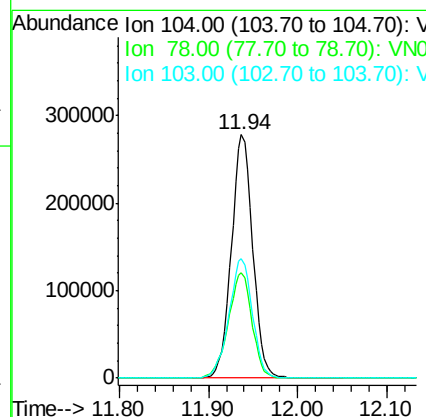
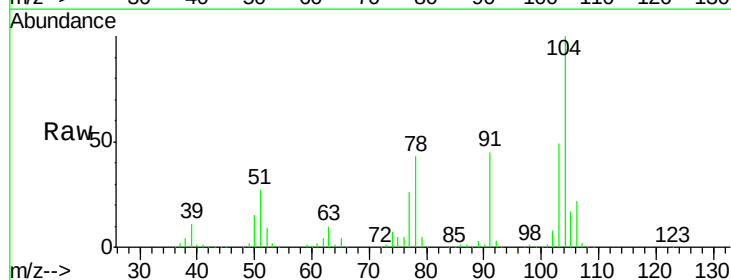
Manual Integrations
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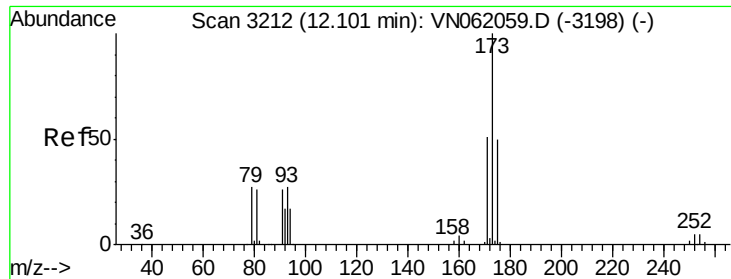
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#70
Styrene
Concen: 52.852 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	461765		
78	78	47.9	37.7	56.5	
103	103	53.8	43.0	64.6	





#71

Bromoform

Concen: 50.274 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

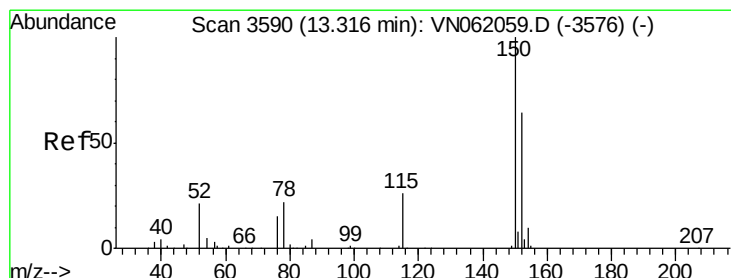
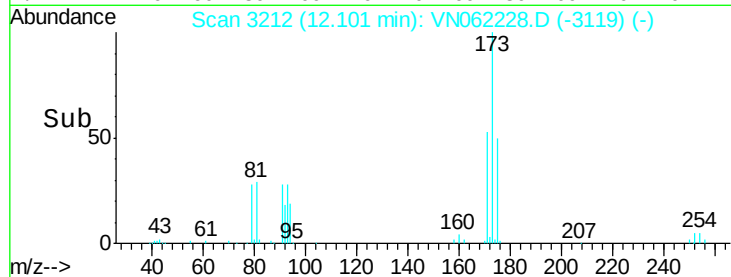
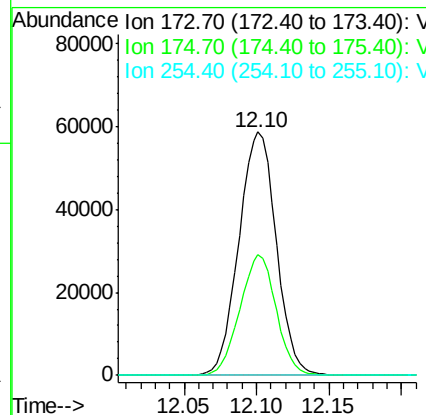
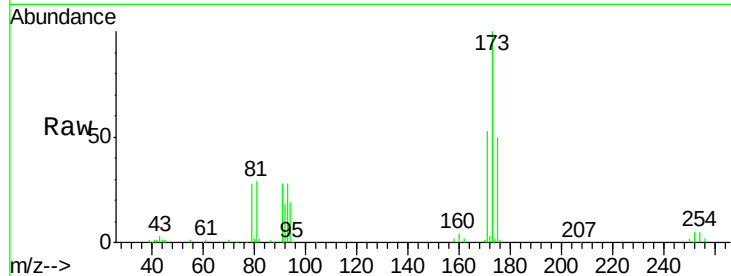
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	105062
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.7	74.1
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

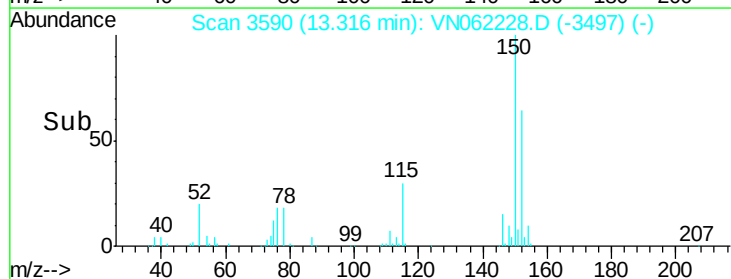
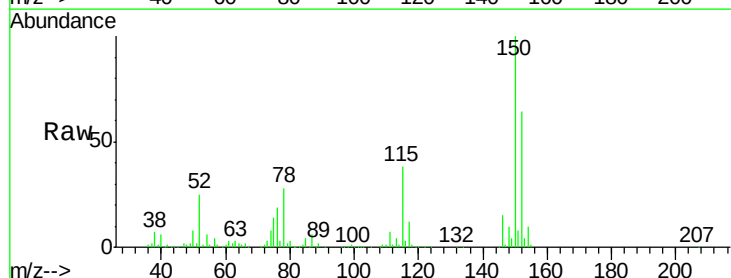
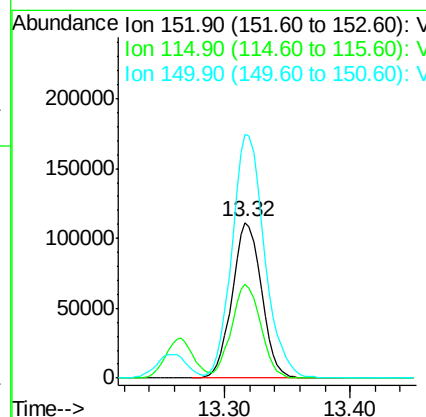
RT: 13.32 min Scan# 3590

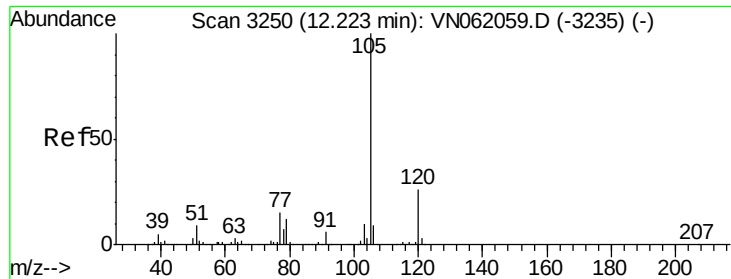
Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Tgt Ion:	152	Resp:	181175
Ion Ratio	Lower	Upper	
152	100		
115	60.4	29.5	88.5
150	172.3	0.0	351.4





#73

Isopropylbenzene

Concen: 50.114 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 702824

Ion Ratio Lower Upper

105 100

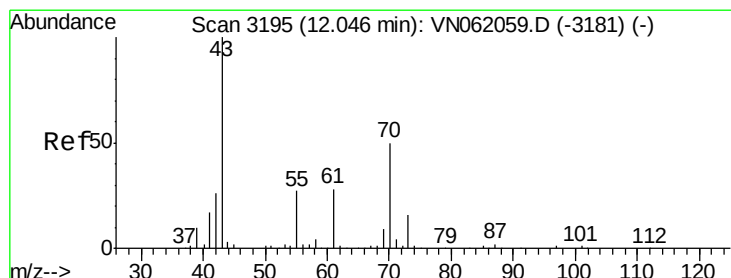
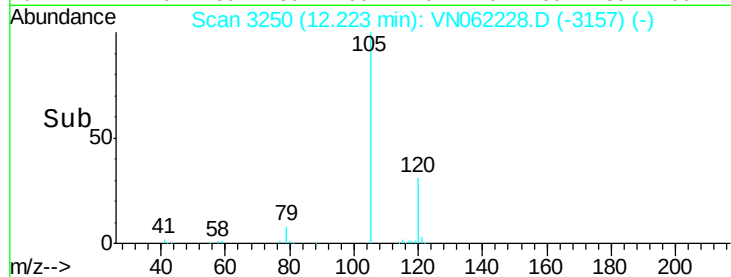
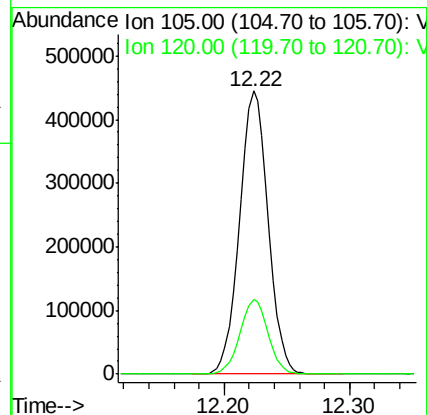
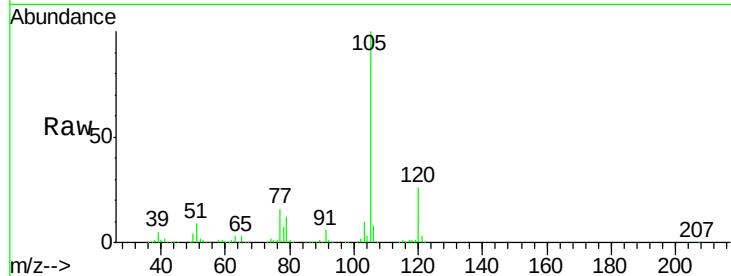
120 26.0 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 51.673 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Tgt Ion: 43 Resp: 267386

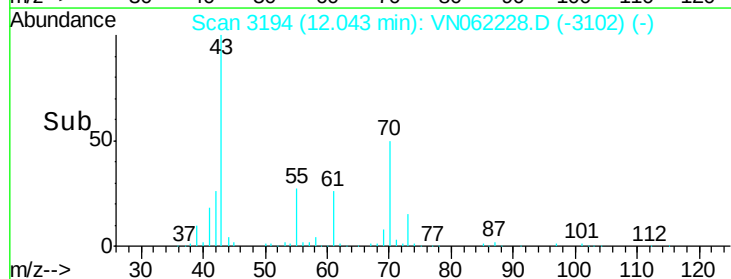
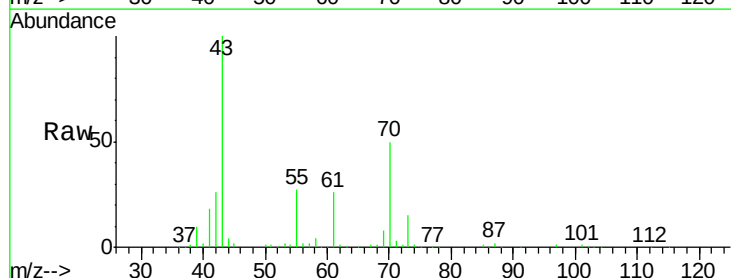
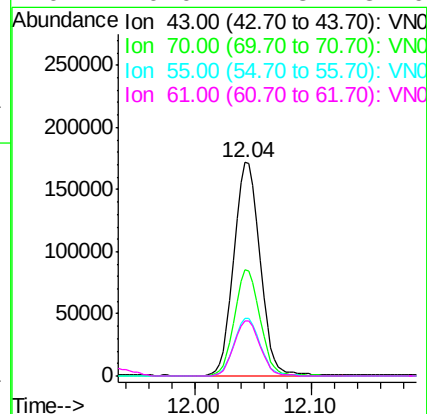
Ion Ratio Lower Upper

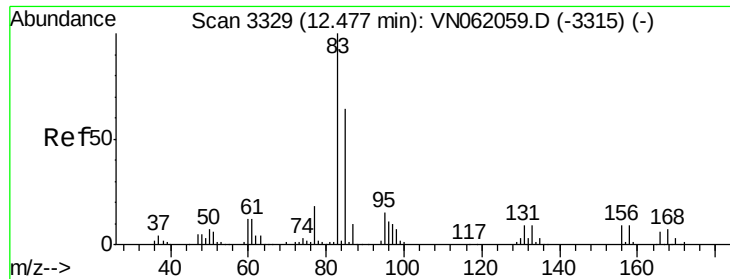
43 100

70 48.4 39.4 59.2

55 27.3 21.7 32.5

61 26.0 21.3 31.9





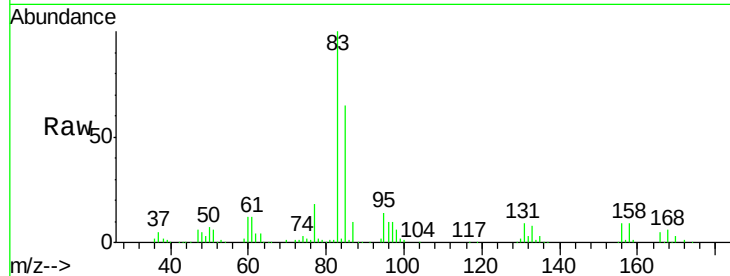
#75
 1,1,2,2-Tetrachloroethane
 Concen: 50.443 ug/l
 RT: 12.48 min Scan# 3329
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	235418		
131	9.6	4.8	14.4	
85	65.6	32.4	97.0	

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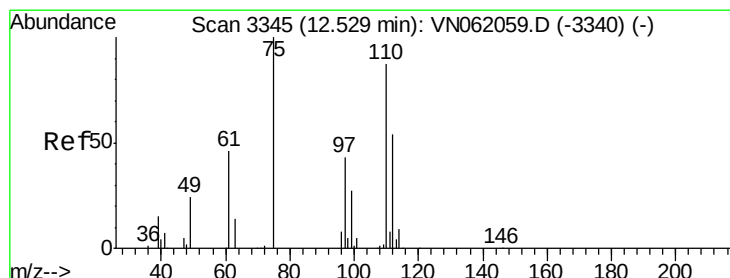
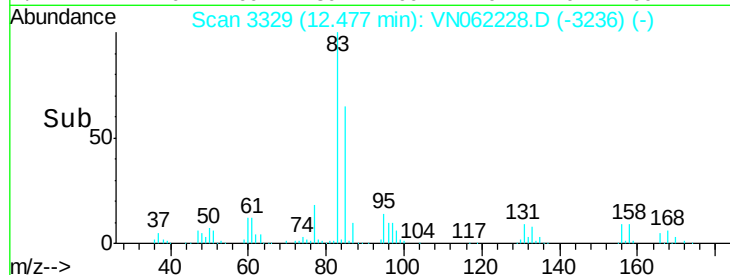
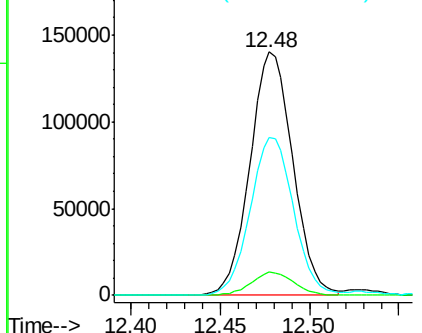
MMDadoda
 6/30/2020 10:42:25 AM



Abundance Ion 82.90 (82.60 to 83.60): VN062228.D (-3236) (-)

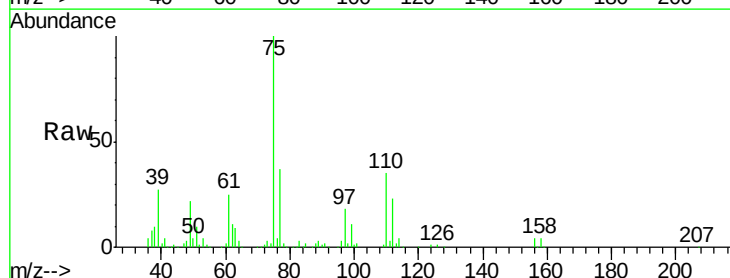
Ion 130.80 (130.50 to 131.50): VN062228.D (-3236) (-)

Ion 84.90 (84.60 to 85.60): VN062228.D (-3236) (-)



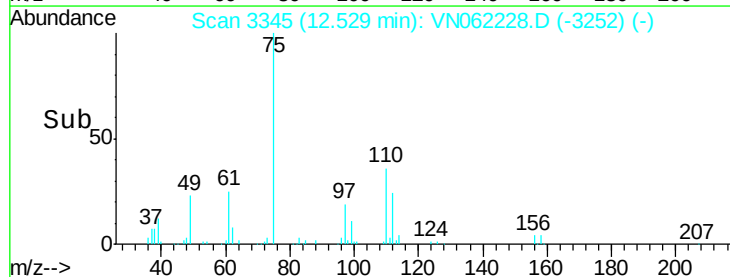
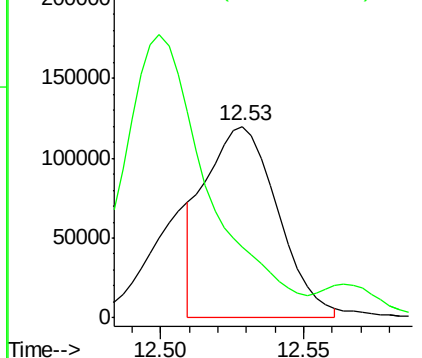
#76
 1,2,3-Trichloropropane
 Concen: 49.165 ug/l m
 RT: 12.53 min Scan# 3345
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

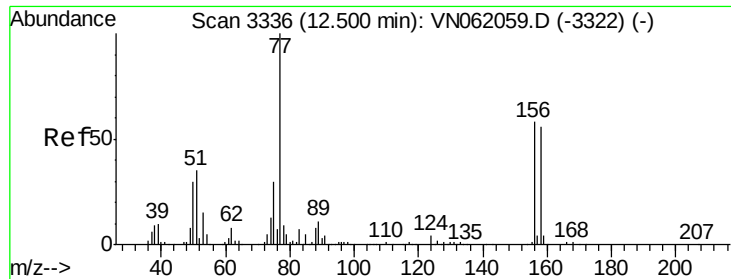
Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209689		
77	0.0	0.0	0.0	



Abundance Ion 74.90 (74.60 to 75.60): VN062228.D (-3252) (-)

Ion 77.00 (76.70 to 77.70): VN062228.D (-3252) (-)





#77

Bromobenzene

Concen: 46.956 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 163493

Ion Ratio Lower Upper

156 100

77 224.7 104.6 313.8

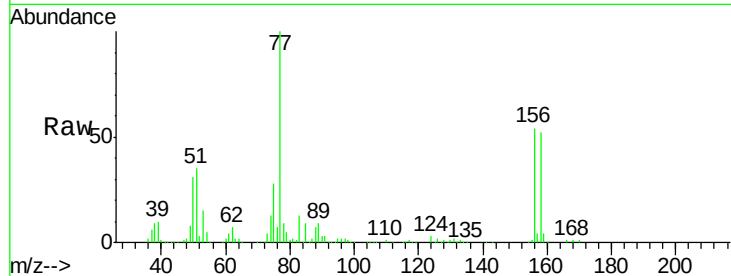
158 96.4 48.0 144.0

Manual Integrations

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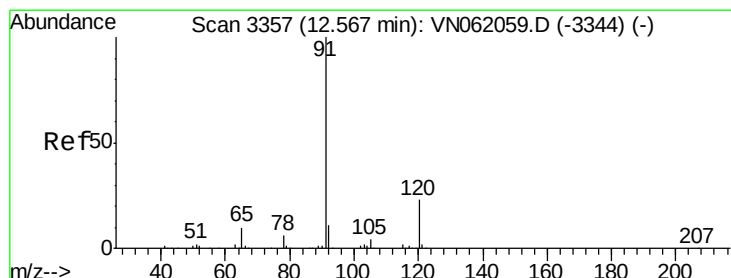
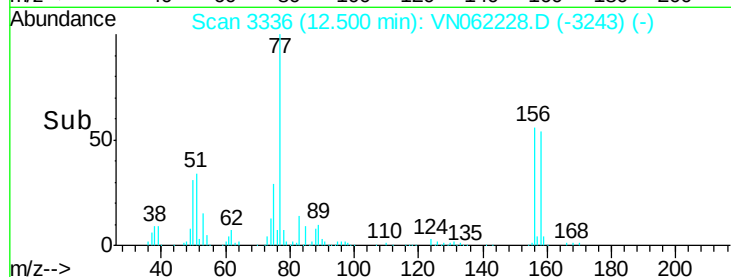
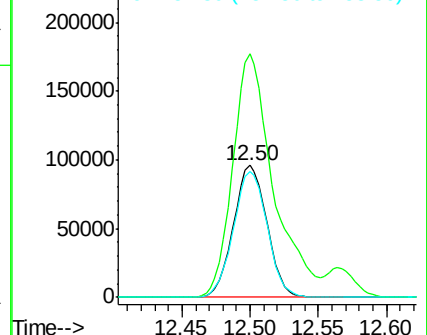
6/30/2020 10:42:25 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.457 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062228.D

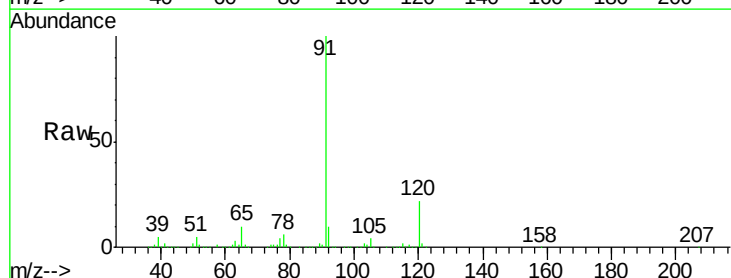
Acq: 30 Jun 2020 8:37

Tgt Ion: 91 Resp: 825474

Ion Ratio Lower Upper

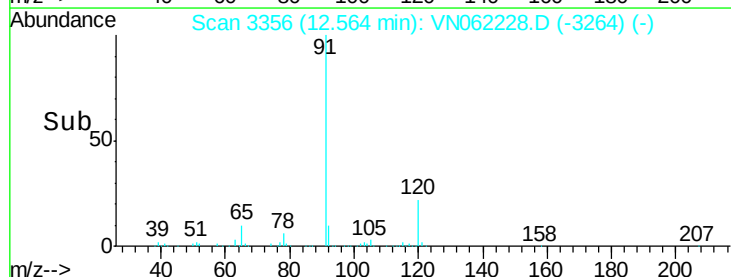
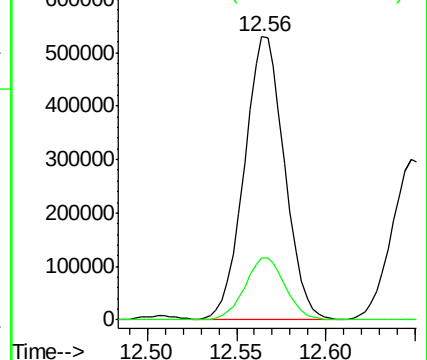
91 100

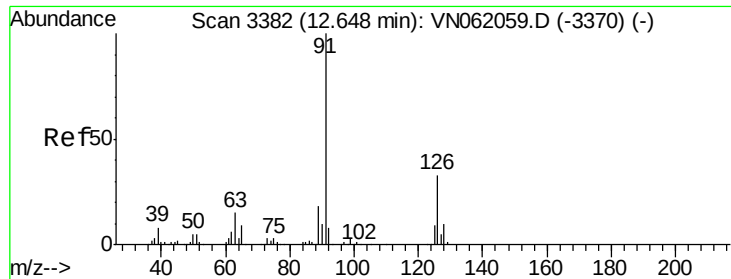
120 22.1 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





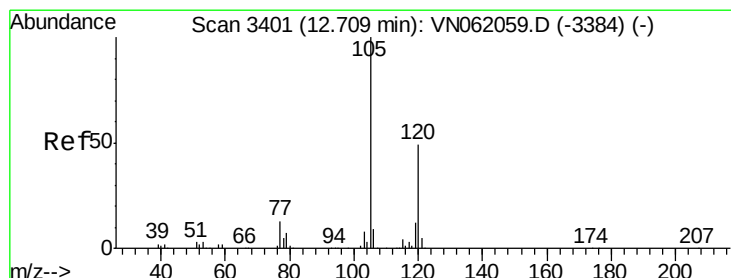
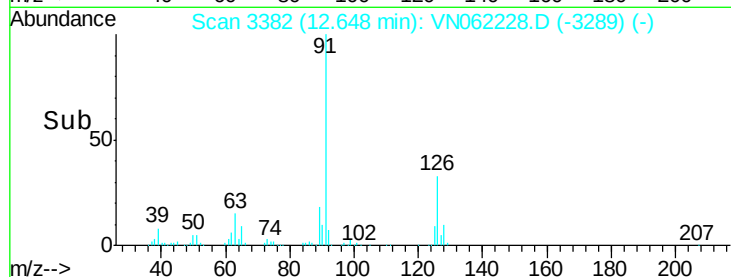
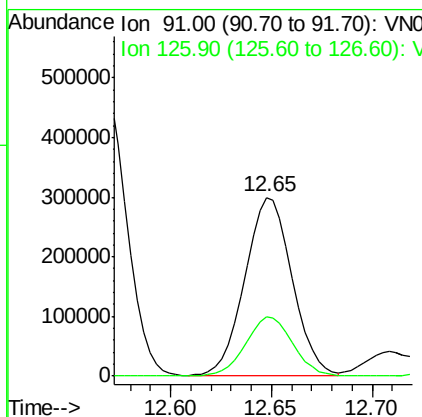
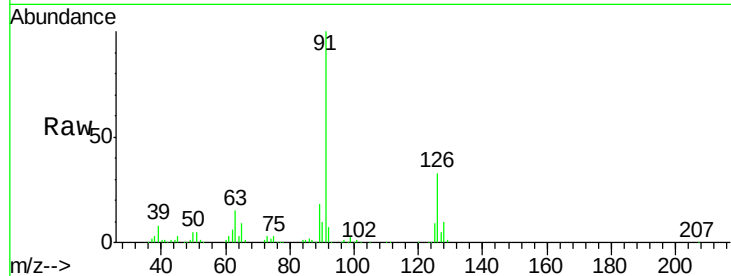
#79
 2-Chlorotoluene
 Concen: 50.381 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 488600
 Ion Ratio Lower Upper
 91 100
 126 33.1 16.9 50.7

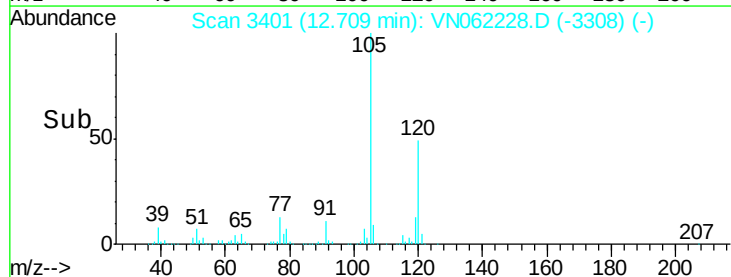
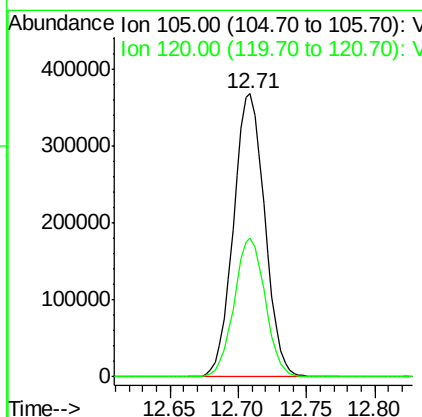
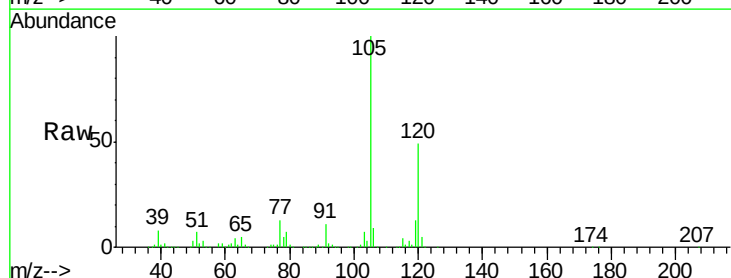
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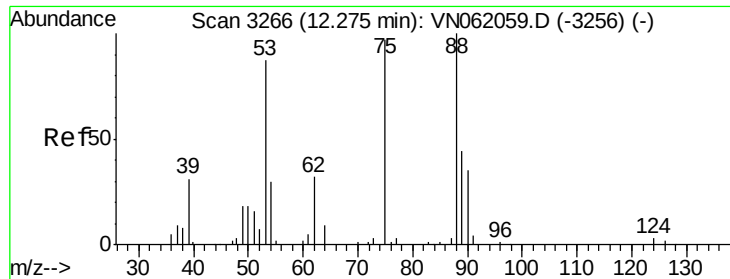
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.569 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion: 105 Resp: 586283
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 46.651 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

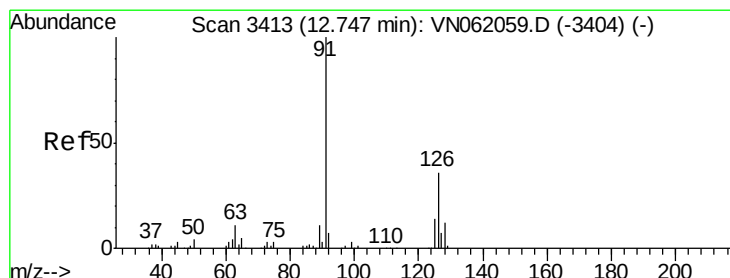
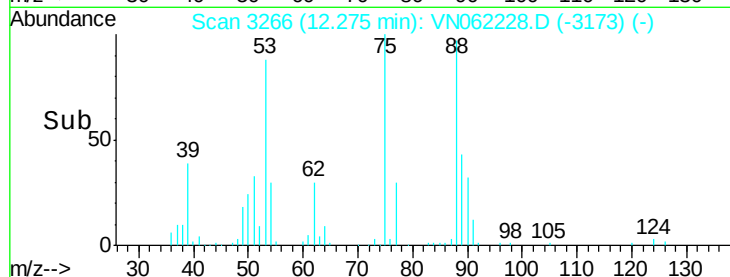
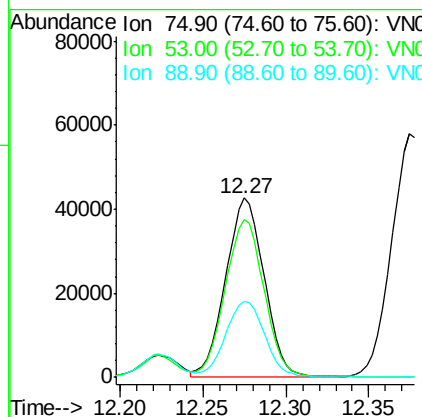
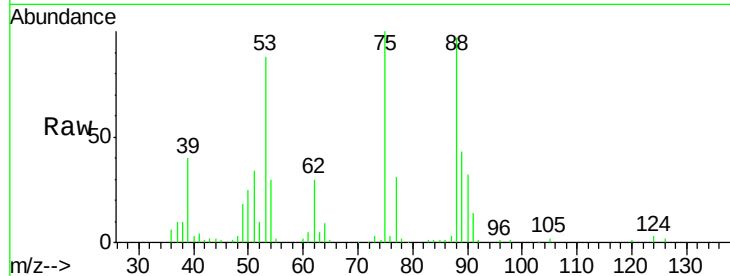
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	68130
Ion Ratio	Lower	Upper	
75	100		
53	89.4	72.0	108.0
89	44.0	36.9	55.3

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#82

4-Chlorotoluene

Concen: 49.732 ug/l

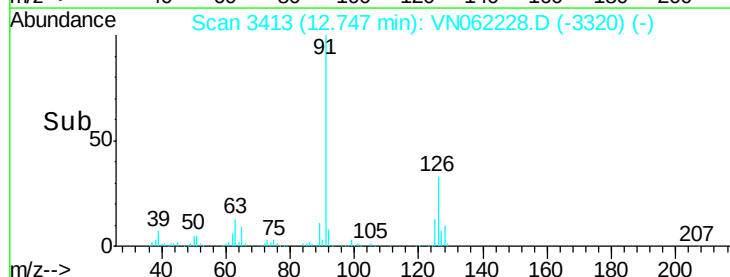
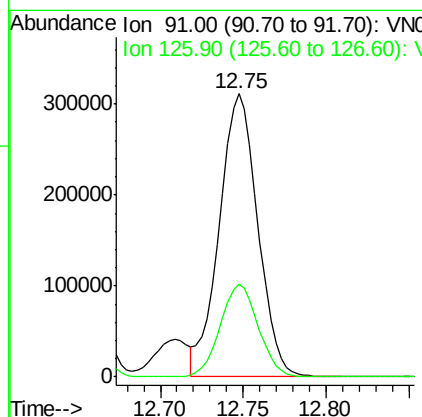
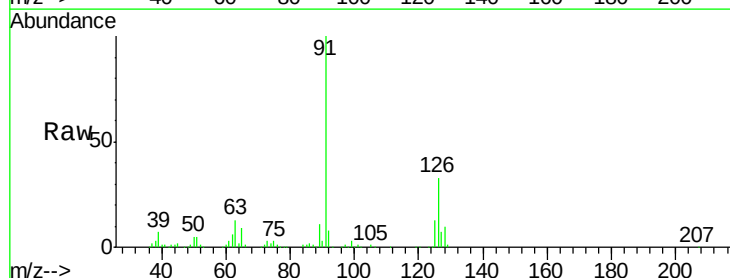
RT: 12.75 min Scan# 3413

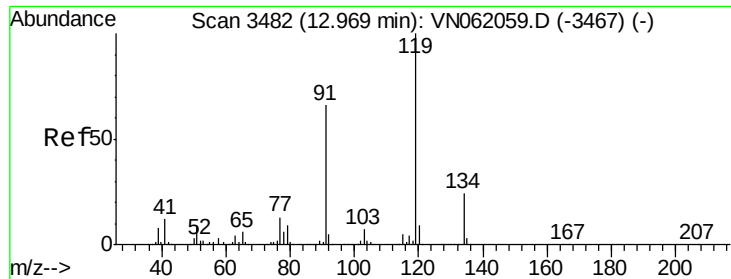
Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Tgt Ion:	91	Resp:	498746
Ion Ratio	Lower	Upper	
91	100		
126	32.7	16.7	50.1





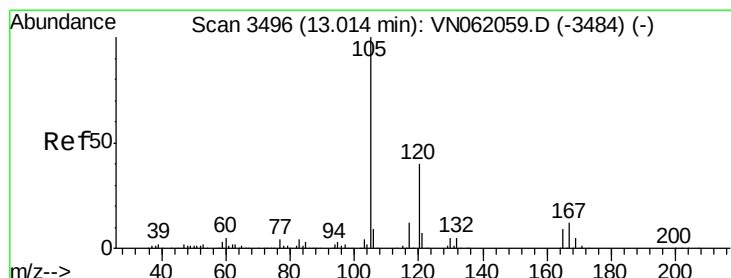
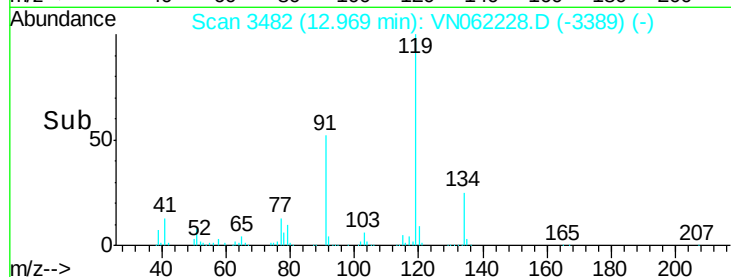
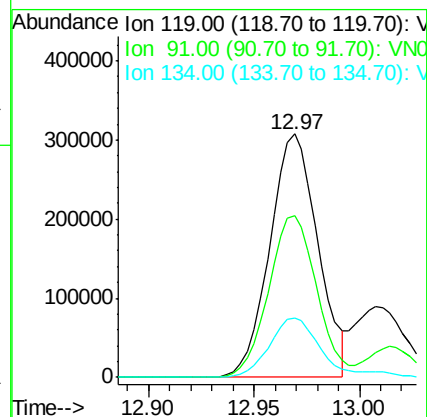
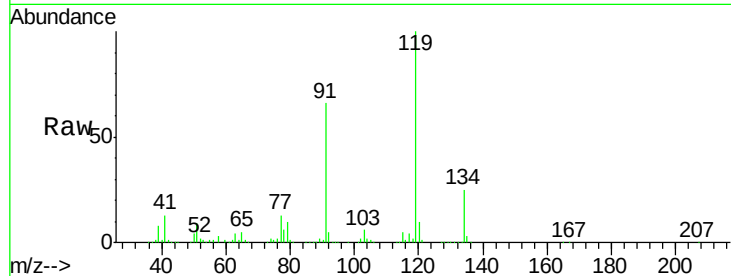
#83
 tert-Butylbenzene
 Concen: 50.239 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	488807		
91	66.2		31.7	95.1
134	26.8		13.1	39.1

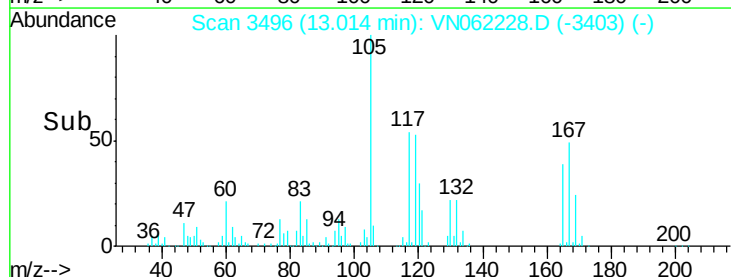
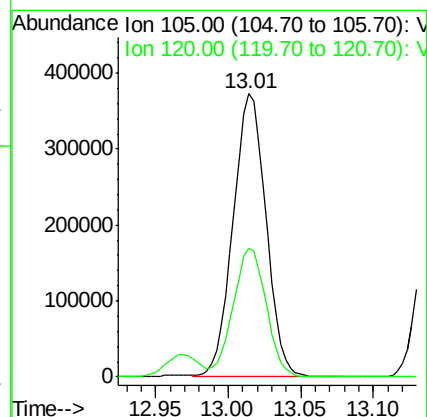
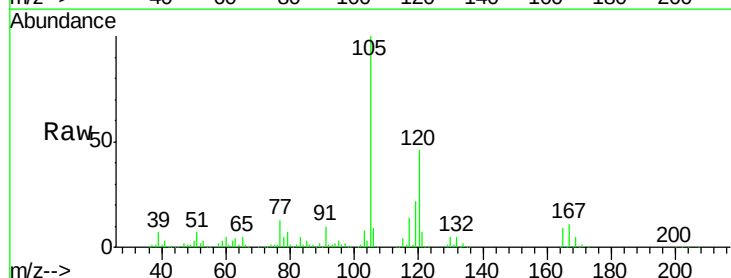
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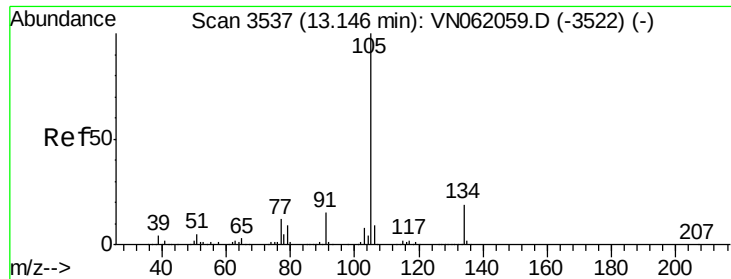
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.686 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	586879		
120	45.8		23.2	69.5





#85

sec-Butylbenzene

Concen: 53.202 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 683993

Ion Ratio Lower Upper

105 100

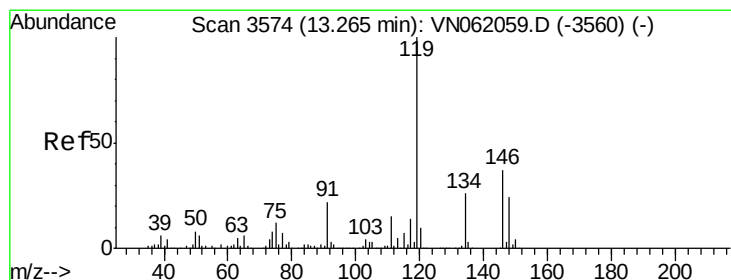
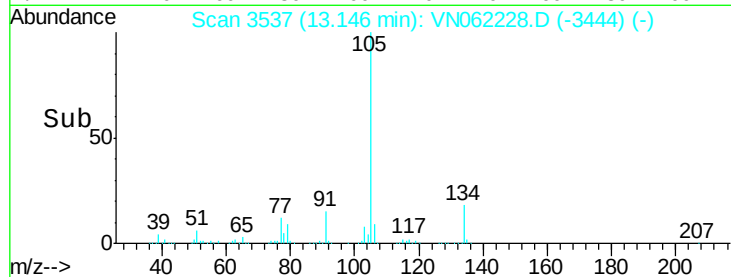
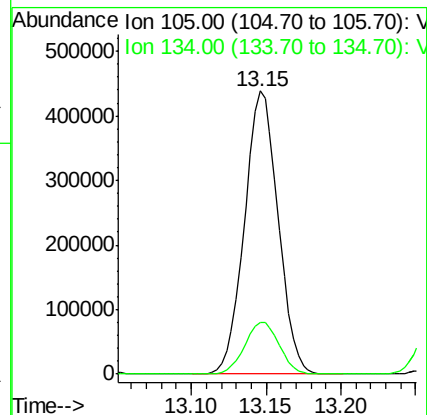
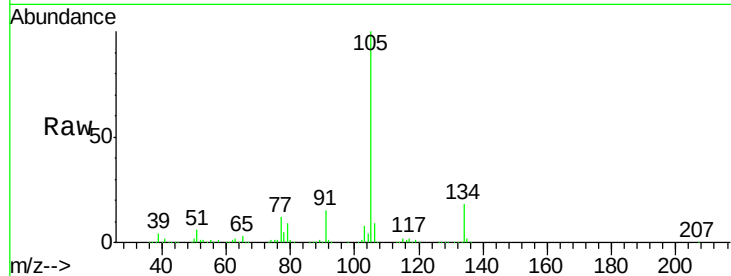
134 18.9 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 52.648 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN062228.D

Acq: 30 Jun 2020 8:37

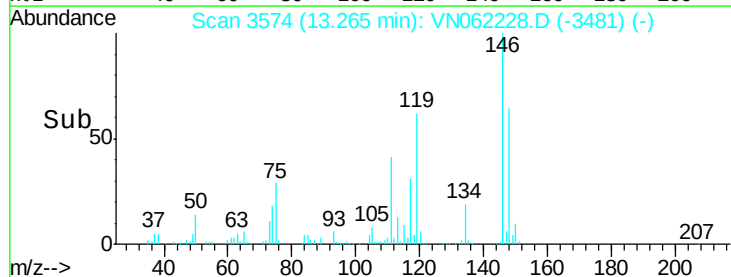
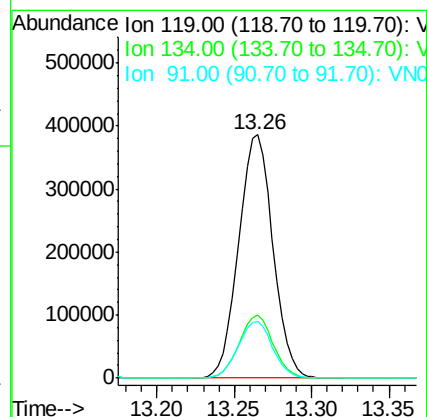
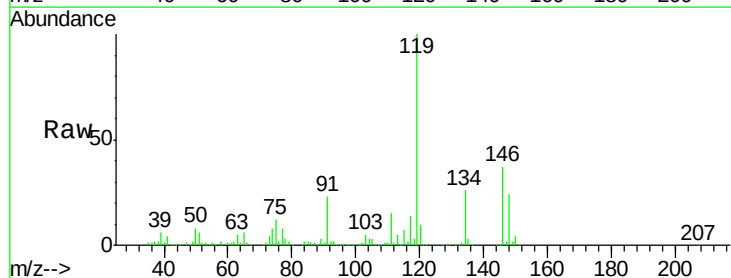
Tgt Ion:119 Resp: 593013

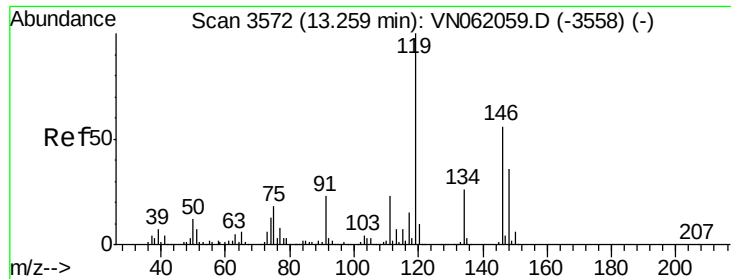
Ion Ratio Lower Upper

119 100

134 25.7 13.0 39.0

91 23.2 11.3 33.8





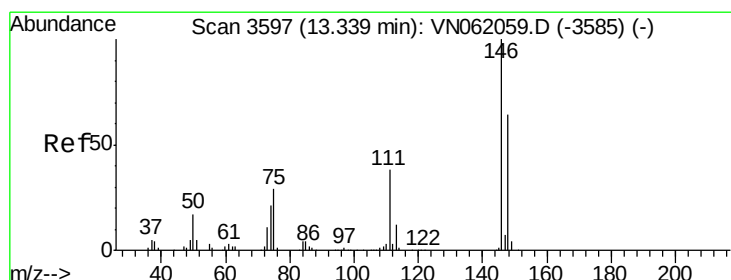
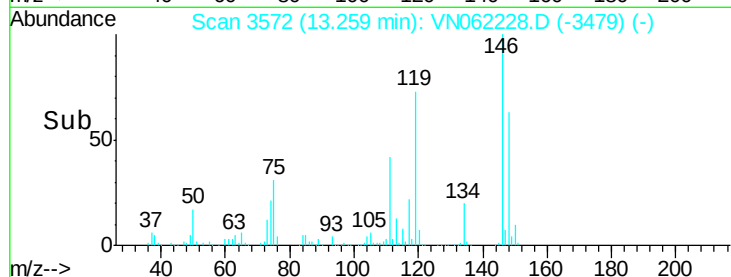
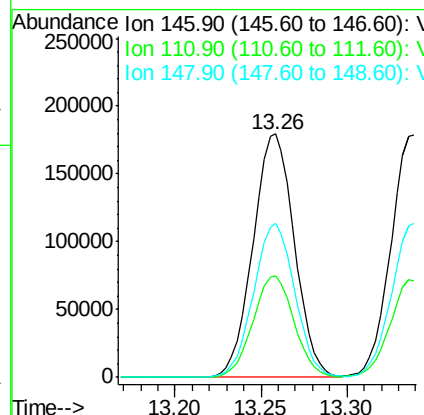
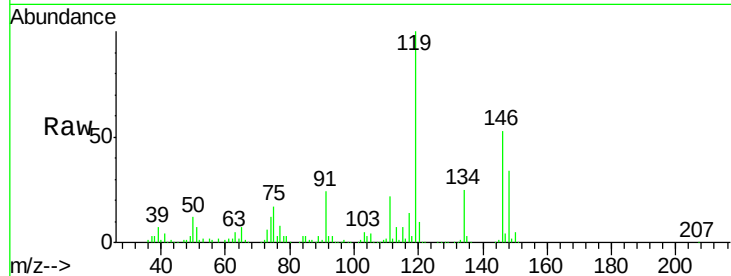
#87
 1,3-Dichlorobenzene
 Concen: 48.925 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	299130		
111	41.5	20.3	61.0	
148	63.2	31.8	95.3	

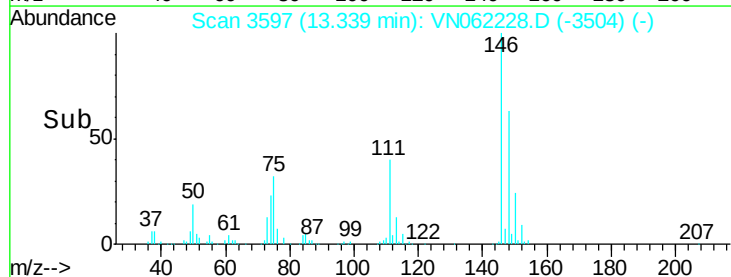
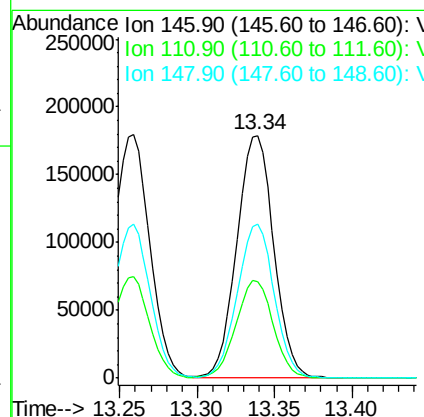
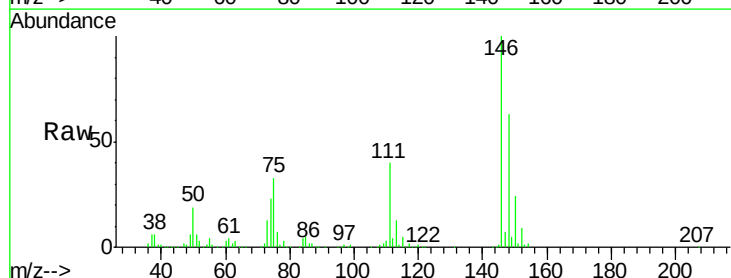
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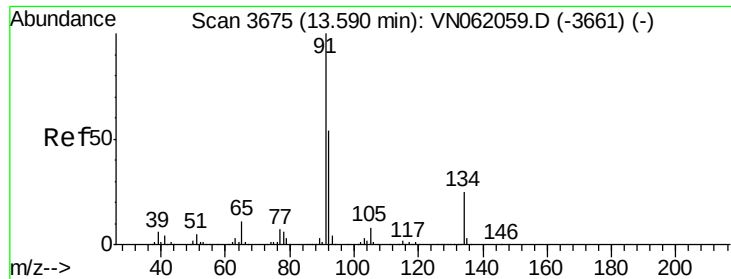
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#88
 1,4-Dichlorobenzene
 Concen: 46.938 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	295820		
111	40.4	19.9	59.6	
148	63.8	31.9	95.9	





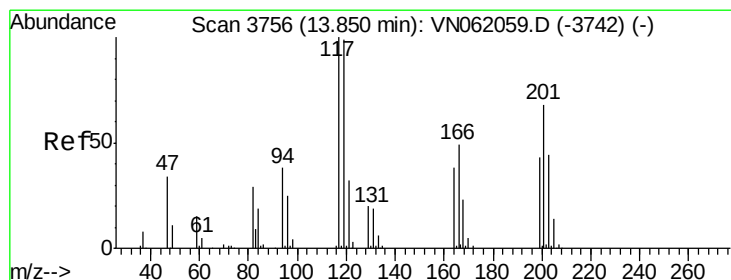
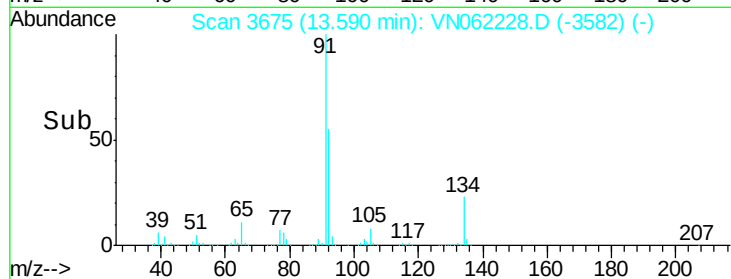
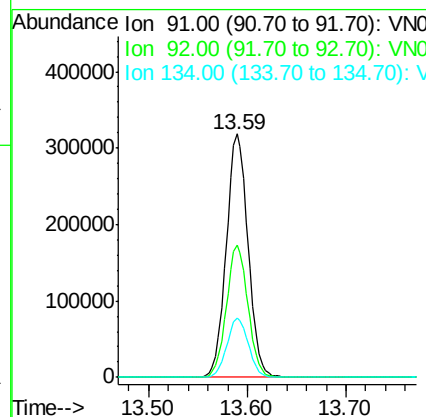
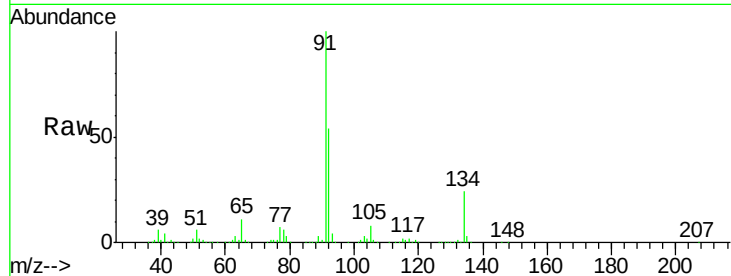
#89
n-Butylbenzene
Concen: 52.760 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.6	79.7
134	24.1	12.3	36.9

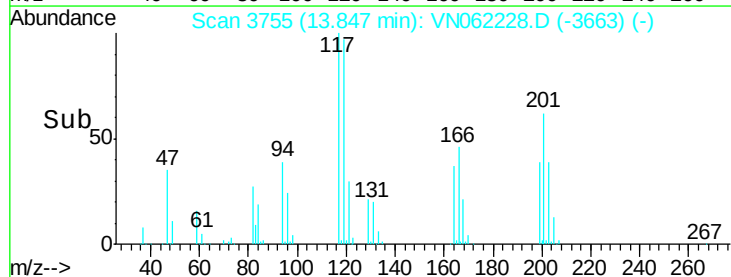
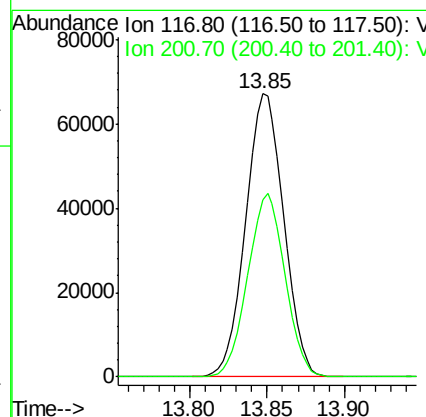
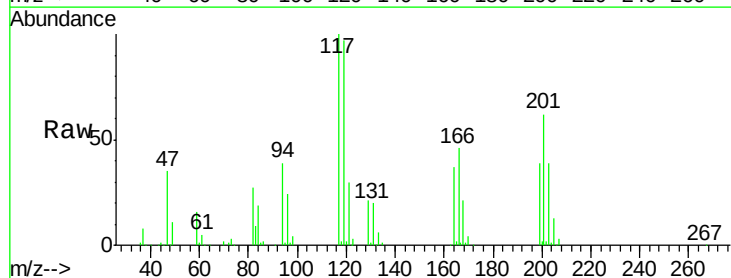
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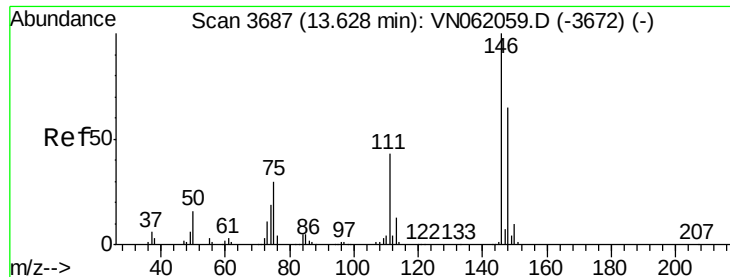
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#90
Hexachloroethane
Concen: 52.182 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.3	32.7	98.1





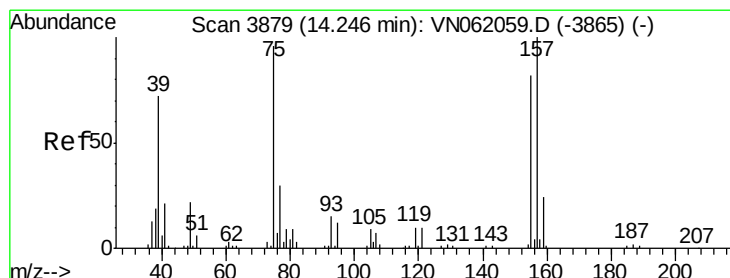
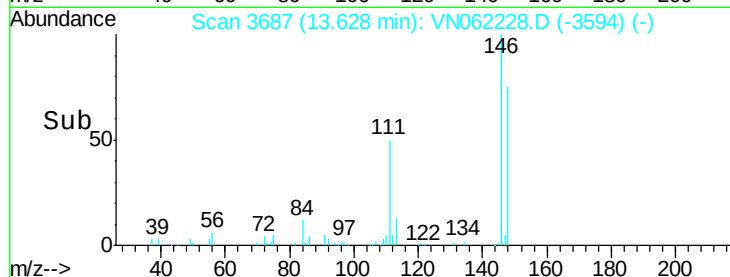
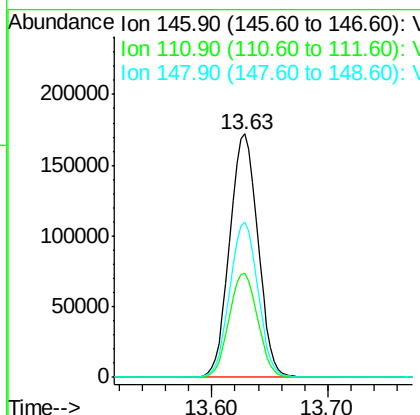
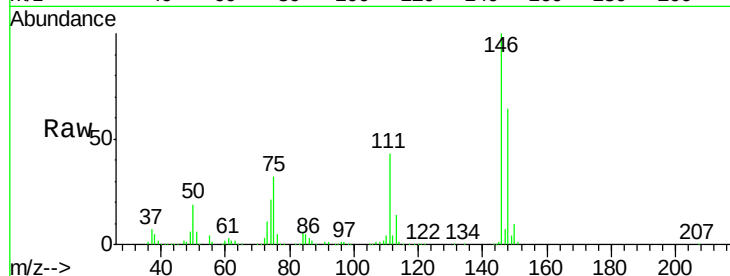
#91
 1,2-Dichlorobenzene
 Concen: 48.959 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.2	63.6
148	63.4	31.9	95.5

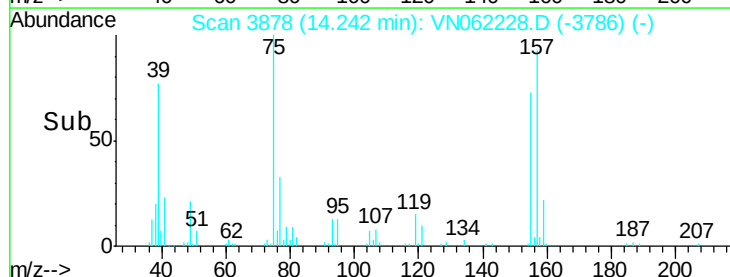
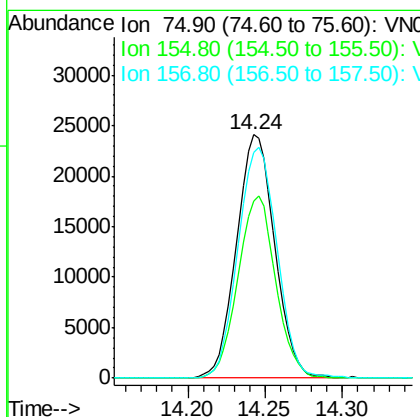
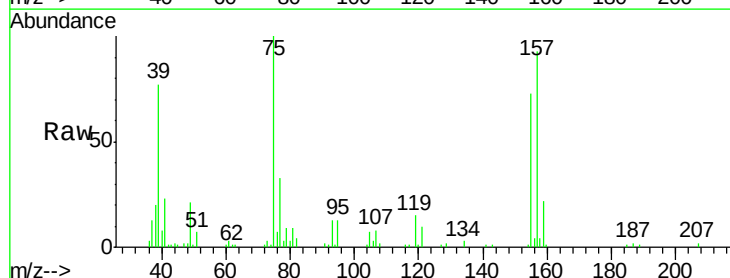
Manual Integrations
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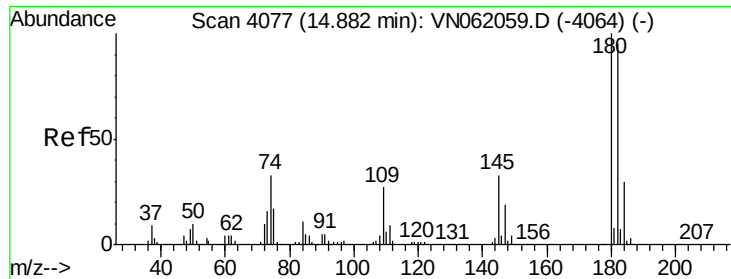
MMDadoda
 6/30/2020 10:42:25 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.474 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.7	40.8	122.4
157	96.9	51.4	154.3





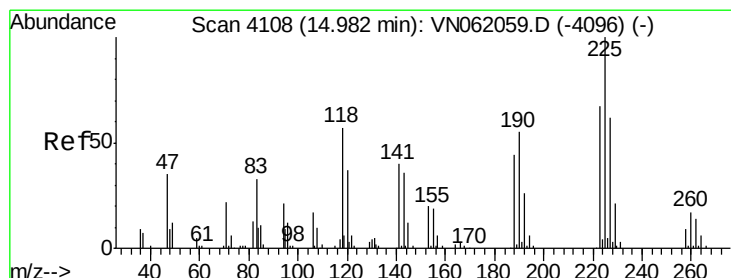
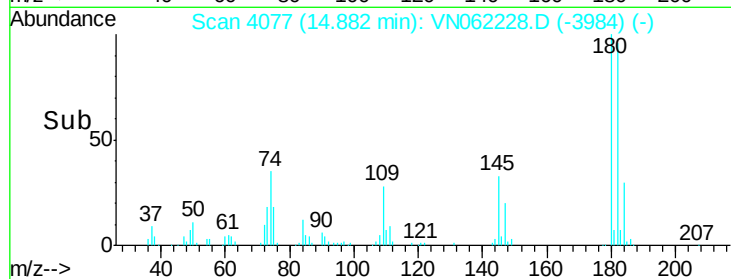
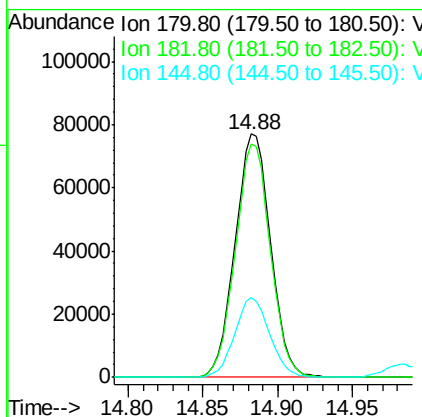
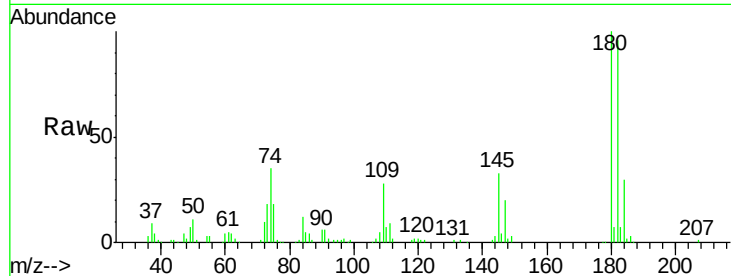
#93
 1,2,4-Trichlorobenzene
 Concen: 49.209 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	127452		
182	94.7	48.0	144.2	
145	32.2	16.0	48.0	

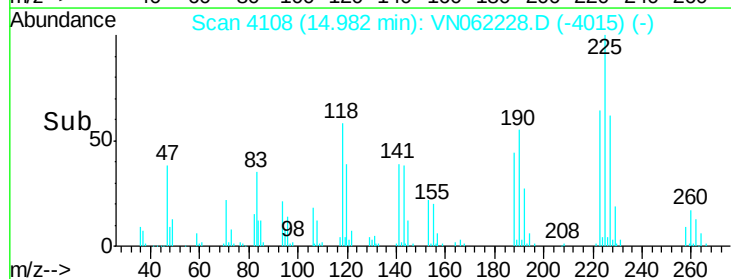
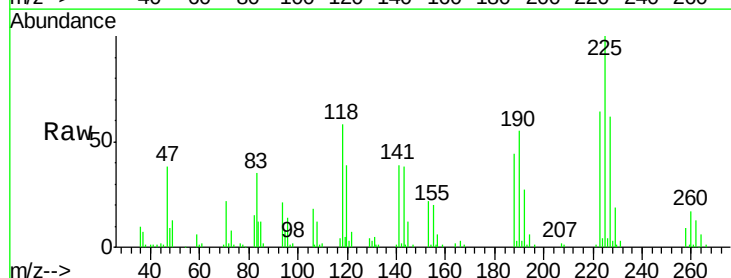
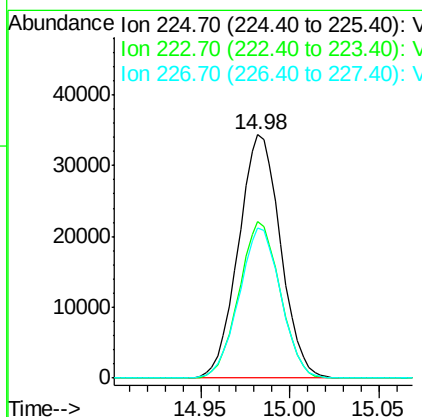
Manual Integrations
 APPROVED

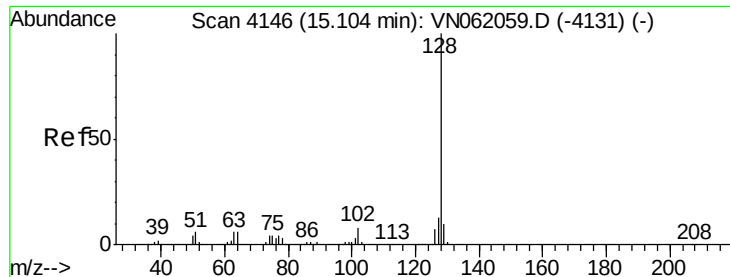
MMDadoda
 6/30/2020 10:42:25 AM



#94
 Hexachlorobutadiene
 Concen: 50.173 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062228.D
 Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56441		
223	62.7	32.9	98.7	
227	61.2	31.3	93.8	





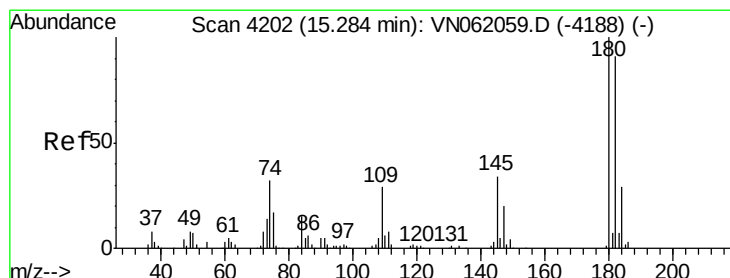
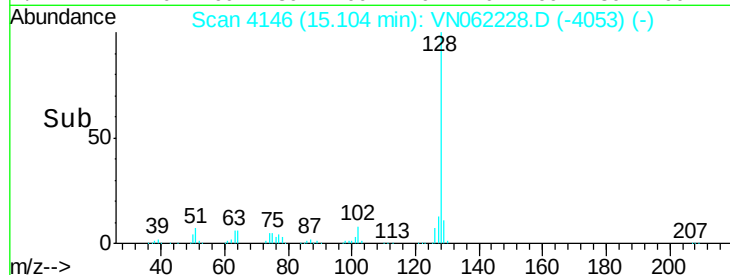
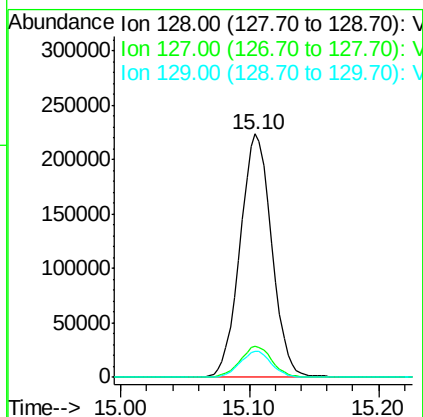
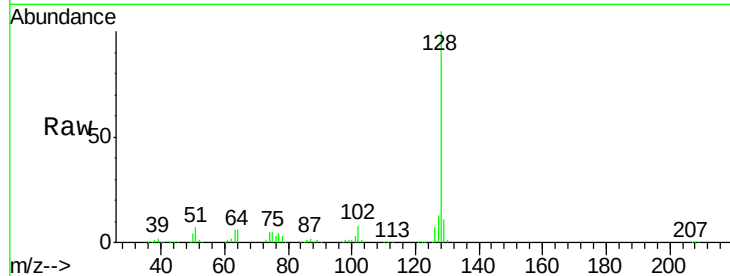
#95
Naphthalene
Concen: 44.663 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	381694		
127	12.9	10.5	15.7	
129	10.6	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
6/30/2020 10:42:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.999 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062228.D
Acq: 30 Jun 2020 8:37

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	132415		
182	92.7	46.8	140.4	
145	32.8	16.4	49.2	

