

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070120\
 Data File : VN062312.D
 Acq On : 2 Jul 2020 1:08
 Operator : JC/MD
 Sample : VN0701WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 12:31:10 PM

Quant Time: Jul 02 08:05:26 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	188450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	356627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	331808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	143926	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	156267	59.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	118.18%		
35) Dibromofluoromethane	7.55	113	118397	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.50%		
50) Toluene-d8	10.06	98	458135	50.09	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.18%		
62) 4-Bromofluorobenzene	12.38	95	151479	49.02	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.04%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	38832	18.230	ug/l	99
3) Chloromethane	2.03	50	56802	21.899	ug/l	99
4) Vinyl Chloride	2.16	62	65323	19.473	ug/l	98
5) Bromomethane	2.53	94	41513	19.148	ug/l	99
6) Chloroethane	2.67	64	46369	20.235	ug/l	97
7) Trichlorofluoromethane	2.98	101	73974	17.897	ug/l	100
8) Diethyl Ether	3.37	74	31974	22.153	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	41722	19.275	ug/l	97
10) Methyl Iodide	3.91	142	47145	19.340	ug/l	98
11) Tert butyl alcohol	4.73	59	45703	120.365	ug/l #	81
12) 1,1-Dichloroethene	3.70	96	44843	20.724	ug/l	98
13) Acrolein	3.56	56	34923	93.941	ug/l	100
14) Allyl chloride	4.27	41	67144	22.791	ug/l	94
15) Acrylonitrile	4.93	53	125649	121.434	ug/l	99
16) Acetone	3.78	43	100165	118.536	ug/l	99
17) Carbon Disulfide	4.01	76	121351	19.610	ug/l	98
18) Methyl Acetate	4.28	43	52254	24.856	ug/l	97
19) Methyl tert-butyl Ether	4.99	73	158069	22.861	ug/l	99
20) Methylene Chloride	4.50	84	59245	24.292	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	48397	19.633	ug/l	89
22) Diisopropyl ether	5.90	45	161459	24.070	ug/l	94
23) Vinyl Acetate	5.84	43	637684	116.437	ug/l	100
24) 1,1-Dichloroethane	5.80	63	99622	23.063	ug/l	96
25) 2-Butanone	6.79	43	151489	117.194	ug/l	96
26) 2,2-Dichloropropane	6.77	77	60672	16.856	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	58117	20.952	ug/l	98
28) Bromochloromethane	7.15	49	37106	19.799	ug/l	89
29) Tetrahydrofuran	7.17	42	103935	122.747	ug/l	97
30) Chloroform	7.33	83	97275	22.134	ug/l	100
31) Cyclohexane	7.62	56	73841	20.210	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	76667	20.686	ug/l	97
36) 1,1-Dichloropropene	7.75	75	67311	18.778	ug/l	97
37) Ethyl Acetate	6.88	43	68049	22.925	ug/l	97
38) Carbon Tetrachloride	7.73	117	61568	18.218	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	65610	16.705	ug/l	97
40) Benzene	8.00	78	219741	20.112	ug/l	98
41) Methacrylonitrile	7.13	41	27860	20.246	ug/l #	76
42) 1,2-Dichloroethane	8.09	62	77576	21.015	ug/l	99
43) Isopropyl Acetate	8.13	43	104649	21.627	ug/l	99
44) Trichloroethene	8.80	130	48810	17.710	ug/l	94
45) 1,2-Dichloropropane	9.09	63	57332	21.270	ug/l	98
46) Dibromomethane	9.18	93	38373	20.997	ug/l	93
47) Bromodichloromethane	9.37	83	76839	20.823	ug/l	100
48) Methyl methacrylate	9.17	41	49329	22.737	ug/l	92
49) 1,4-Dioxane	9.17	88	20874	433.855	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	326059	115.334	ug/l	99
52) Toluene	10.12	92	133383	20.008	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	79032	19.467	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	86575	20.030	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	55493	21.176	ug/l	99
56) Ethyl methacrylate	10.40	69	72427	20.710	ug/l	96
57) 1,3-Dichloropropane	10.68	76	94915	21.043	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	124122	94.096	ug/l	97
59) 2-Hexanone	10.72	43	233164	114.216	ug/l	97
60) Dibromochloromethane	10.87	129	54650	19.698	ug/l	99
61) 1,2-Dibromoethane	10.98	107	54241	20.144	ug/l	99
64) Tetrachloroethene	10.60	164	38284	16.891	ug/l	94
65) Chlorobenzene	11.41	112	136966	18.797	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	49746	19.743	ug/l	99
67) Ethyl Benzene	11.48	91	234880	19.086	ug/l	99
68) m/p-Xylenes	11.60	106	177612	37.315	ug/l	97
69) o-Xylene	11.92	106	85655	19.073	ug/l	96
70) Styrene	11.94	104	143103	19.107	ug/l	98
71) Bromoform	12.10	173	33567	18.737	ug/l #	99
73) Isopropylbenzene	12.22	105	220017	19.748	ug/l	99
74) N-amyl acetate	12.05	43	81287	21.838	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.48	83	83900	22.630	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	69307m	20.456	ug/l	
77) Bromobenzene	12.50	156	55114	19.926	ug/l	92
78) n-propylbenzene	12.57	91	255266	20.031	ug/l	98
79) 2-Chlorotoluene	12.65	91	158292	20.546	ug/l	96
80) 1,3,5-Trimethylbenzene	12.71	105	182934	20.255	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	22092	19.042	ug/l	91
82) 4-Chlorotoluene	12.75	91	160198	20.108	ug/l	99
83) tert-Butylbenzene	12.97	119	147518	19.086	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	182920	20.279	ug/l	98
85) sec-Butylbenzene	13.15	105	204485	20.022	ug/l	98
86) p-Isopropyltoluene	13.26	119	173660	19.408	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	93789	19.310	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	92675	18.510	ug/l	98
89) n-Butylbenzene	13.59	91	137389	18.468	ug/l	98
90) Hexachloroethane	13.85	117	33865	19.290	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	90835	19.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	12821	21.587	ug/l	91

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QLast Update : Wed Jun 24 15:33:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	35877	17.437	ug/l	96
94) Hexachlorobutadiene	14.99	225	15925	17.820	ug/l	98
95) Naphthalene	15.10	128	101623	17.625	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	37599	17.872	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBS02

Tot Ion:168 Resp: 188450

Ion Ratio Lower Upper

168 100

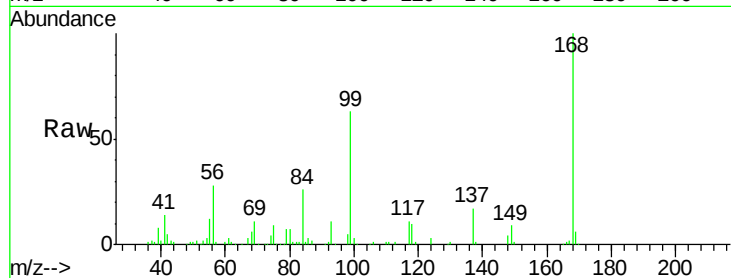
99 62.9 45.8 68.8

Manual Integrations

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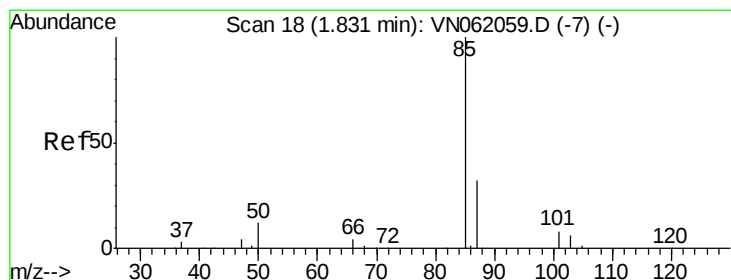
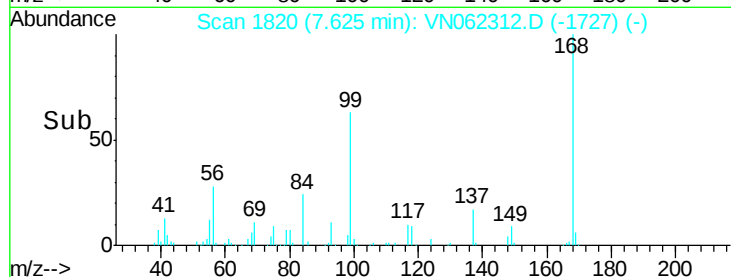
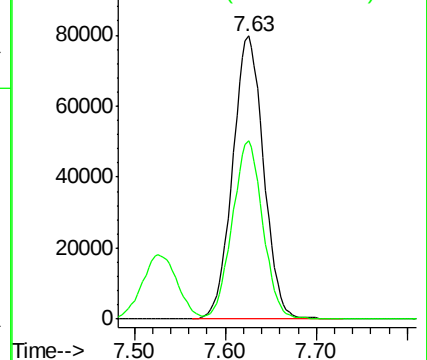
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.230 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062312.D

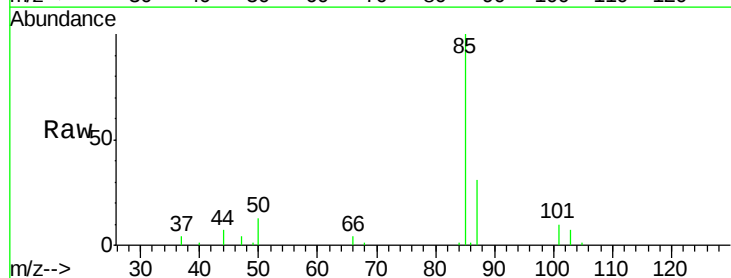
Acq: 2 Jul 2020 1:08

Tgt Ion: 85 Resp: 38832

Ion Ratio Lower Upper

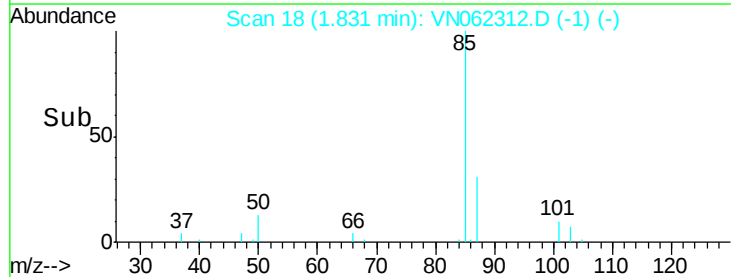
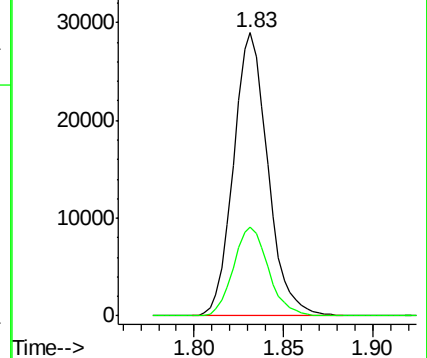
85 100

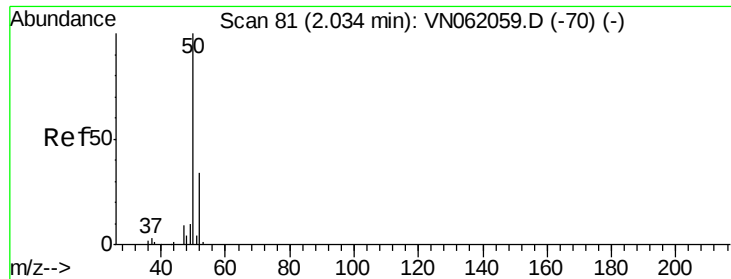
87 31.4 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 21.899 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBS02

Tot Ion: 50 Resp: 56802

Ion Ratio Lower Upper

50 100

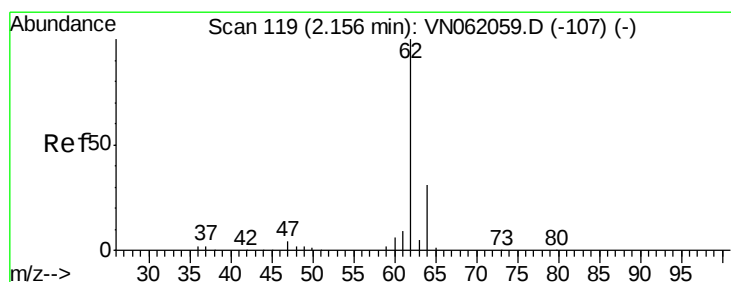
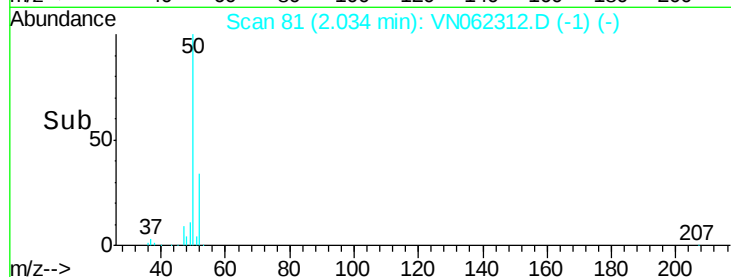
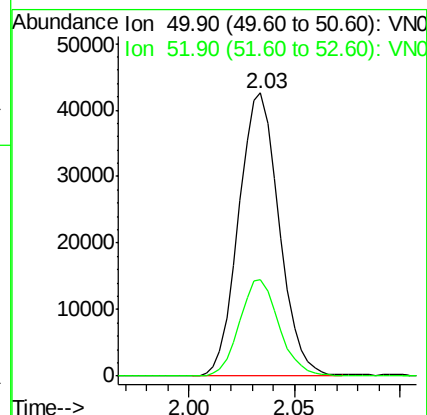
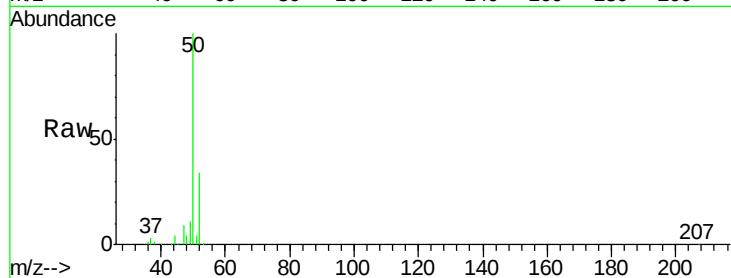
52 34.3 27.0 40.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.473 ug/l

RT: 2.16 min Scan# 119

Delta R.T. -0.00 min

Lab File: VN062312.D

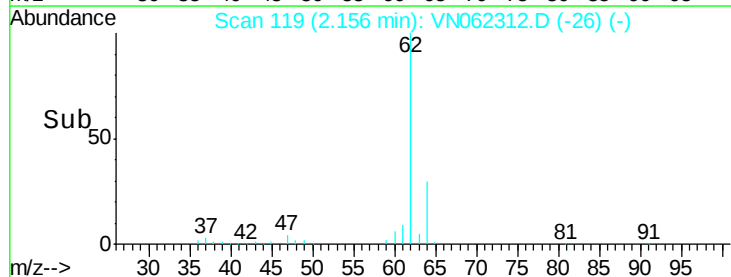
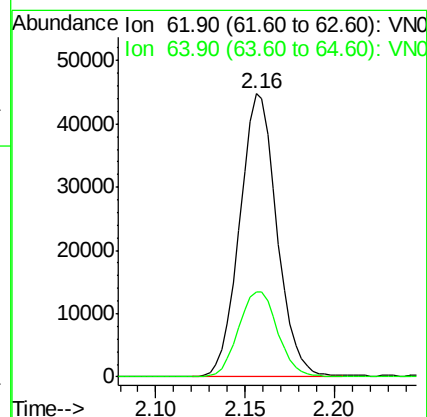
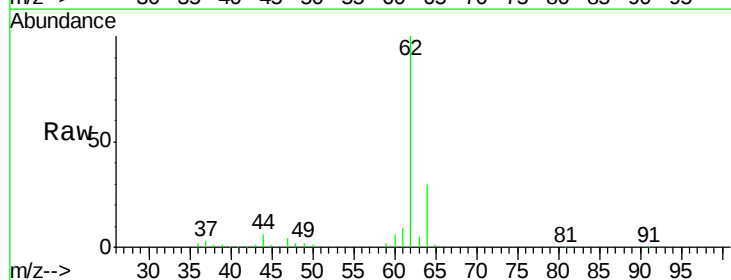
Acq: 2 Jul 2020 1:08

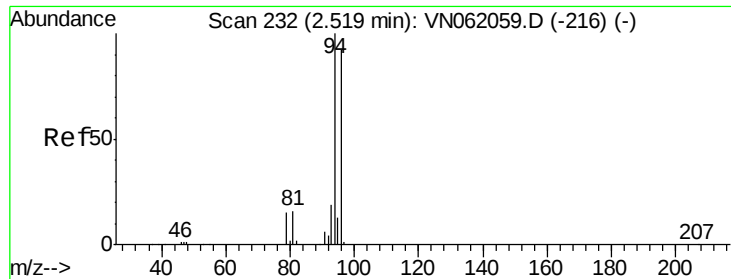
Tgt Ion: 62 Resp: 65323

Ion Ratio Lower Upper

62 100

64 30.2 25.1 37.7





#5

Bromomethane

Concen: 19.148 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.01 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 41513

Ion Ratio Lower Upper

94 100

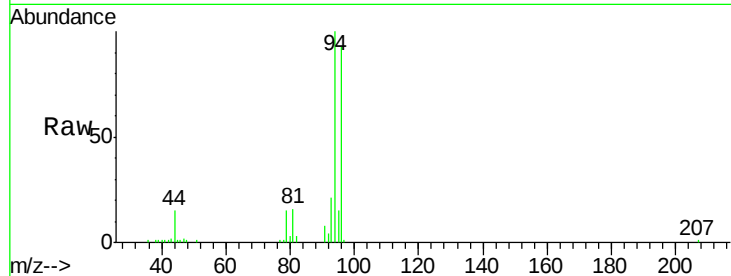
96 92.7 73.4 110.2

Manual Integrations

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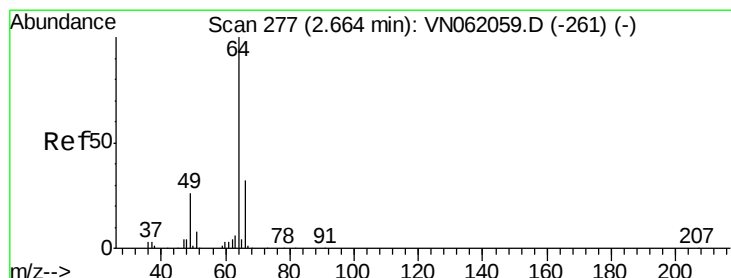
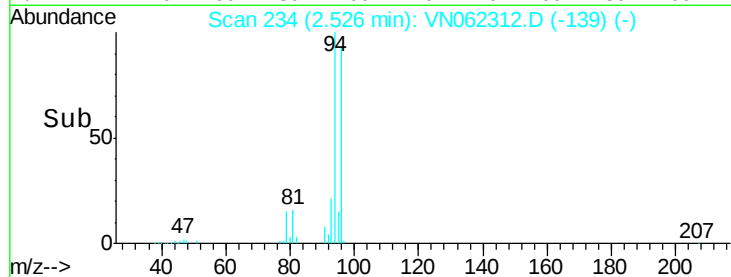
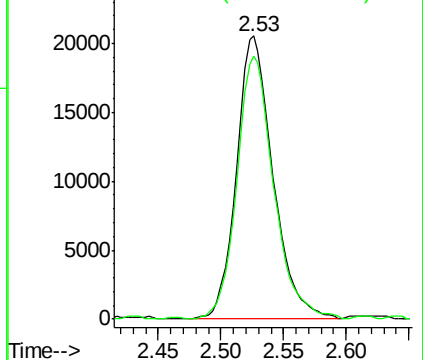
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.235 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062312.D

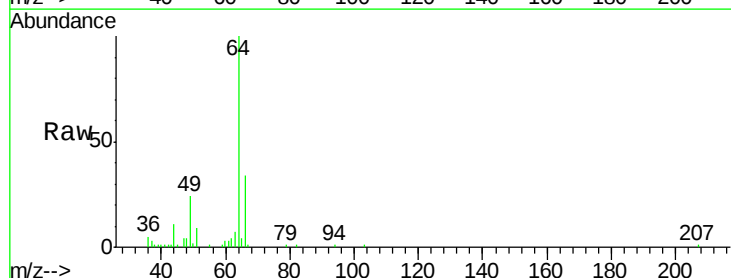
Acq: 2 Jul 2020 1:08

Tgt Ion: 64 Resp: 46369

Ion Ratio Lower Upper

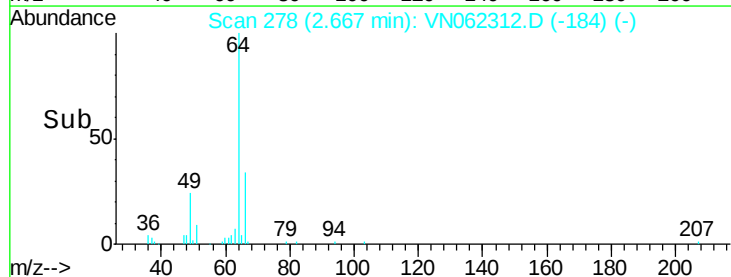
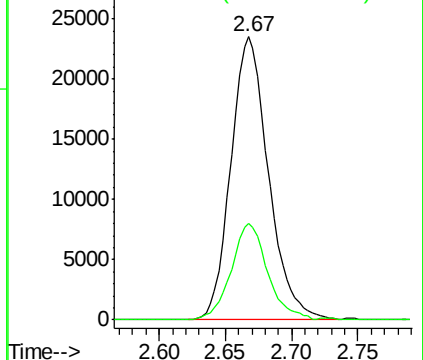
64 100

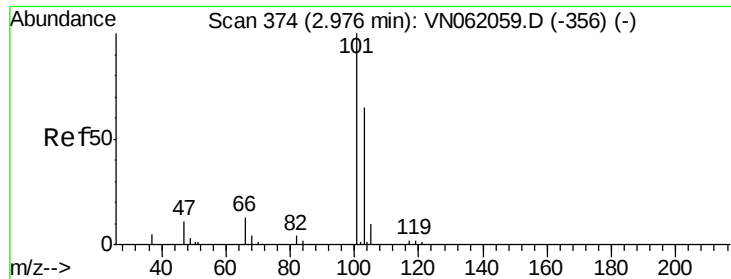
66 34.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

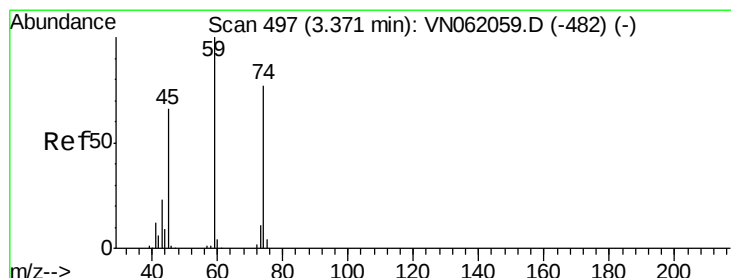
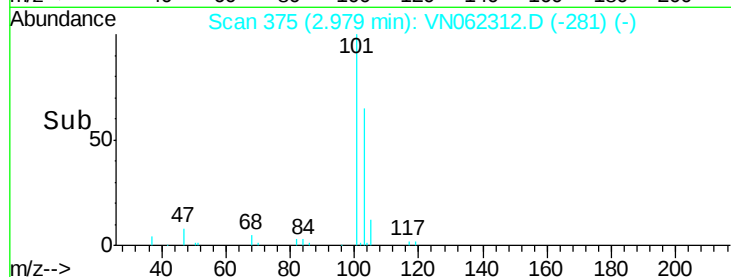
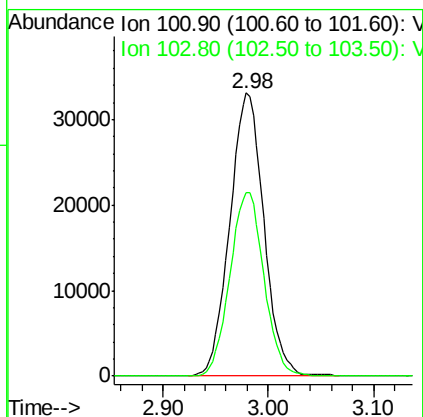
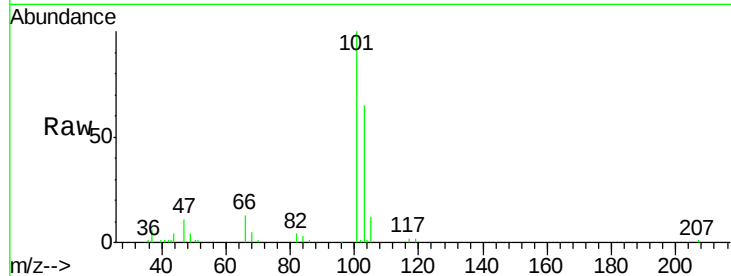
Trichlorofluoromethane
 Concen: 17.897 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.8	77.6

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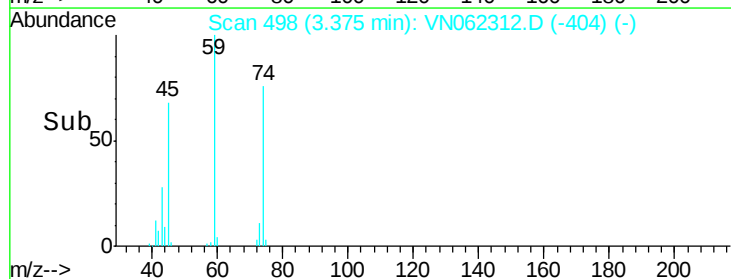
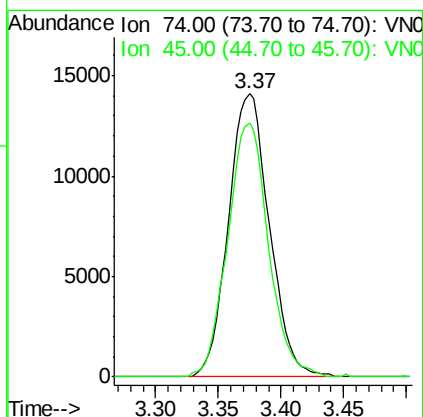
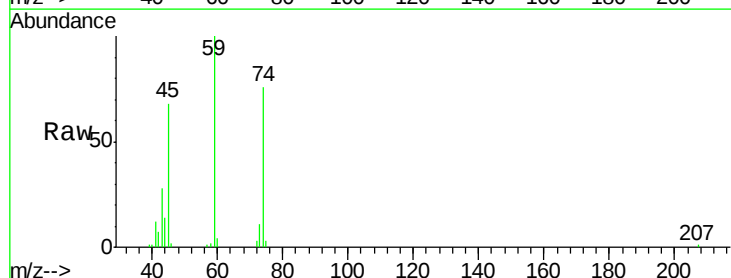
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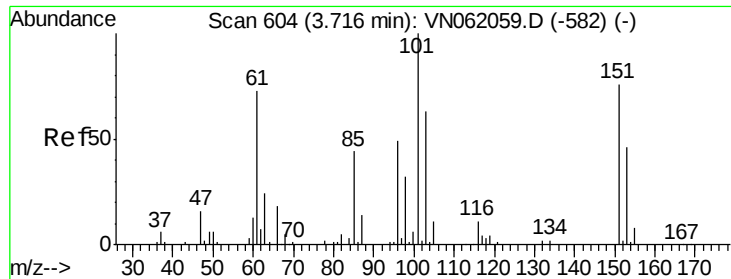


#8

Diethyl Ether
 Concen: 22.153 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	89.5	42.5	127.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.275 ug/l

RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

Lab File: VN062312.D

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Instrument :

MSVOA_N

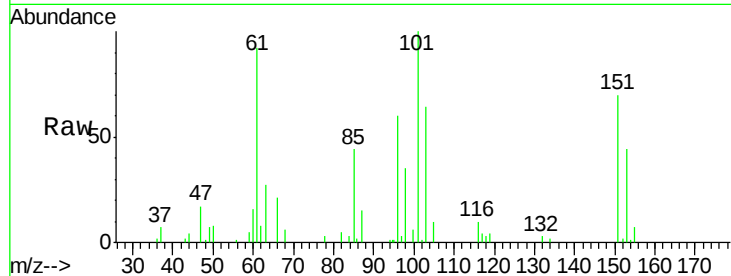
ClientSampleId :

VN0701WBS02

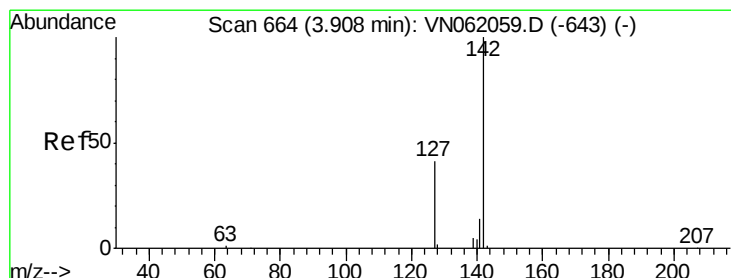
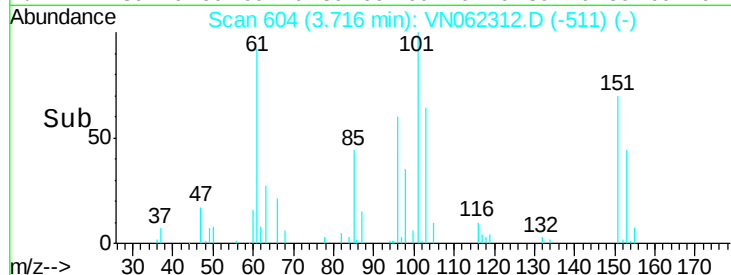
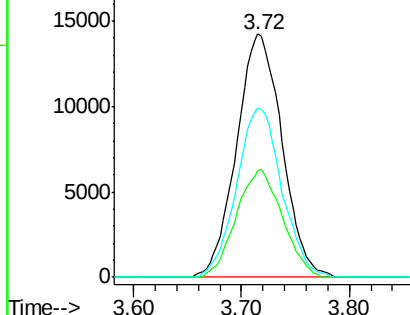
Tot Ion:	101	Resp:	41722
Ion Ratio	Lower	Upper	
101	100		
85	44.8	34.5	51.7
151	69.3	57.8	86.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VN
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.340 ug/l

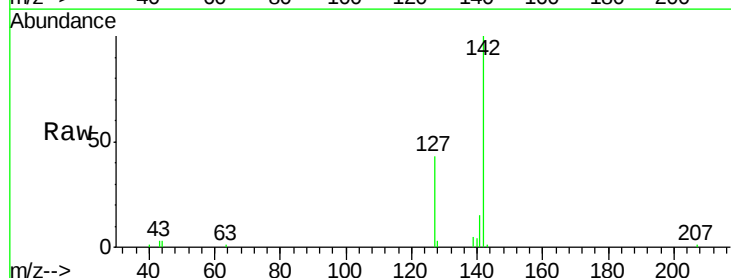
RT: 3.91 min Scan# 664

Delta R.T. 0.00 min

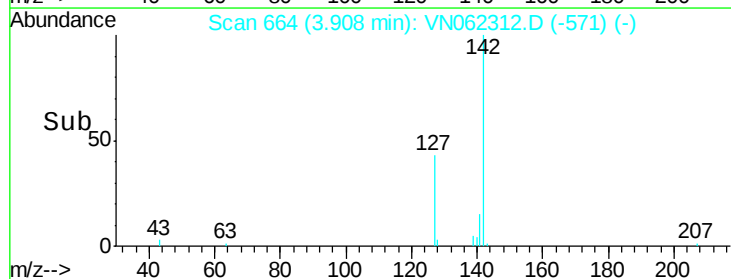
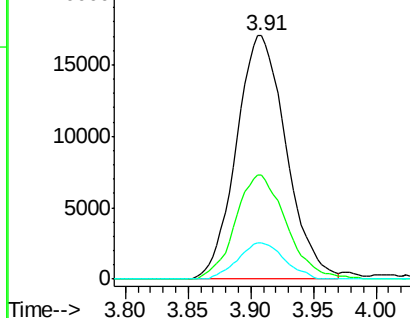
Lab File: VN062312.D

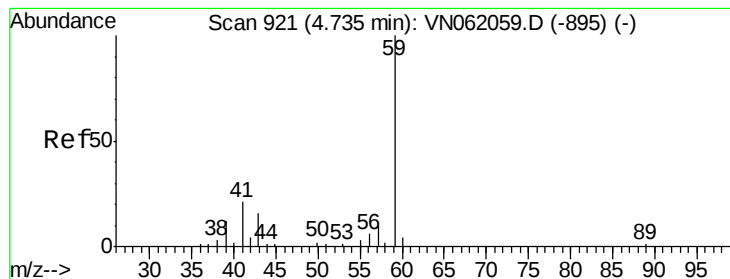
Acq: 2 Jul 2020 1:08

Tgt Ion:	142	Resp:	47145
Ion Ratio	Lower	Upper	
142	100		
127	43.6	33.6	50.4
141	13.9	11.3	16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

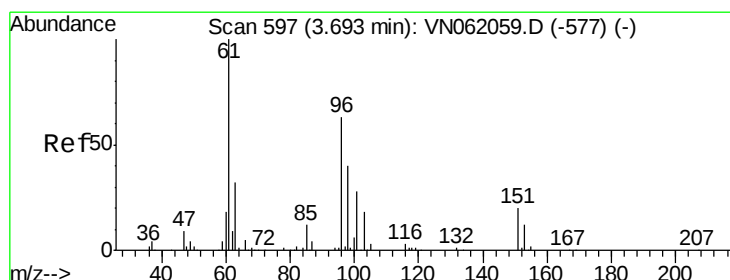
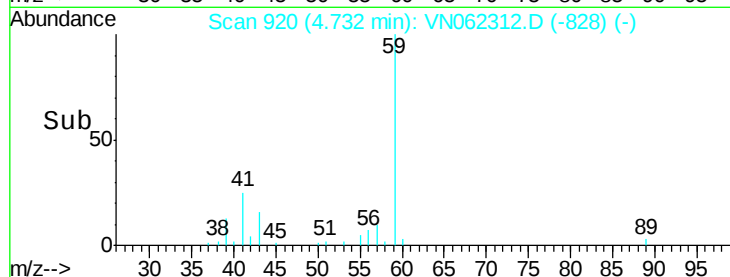
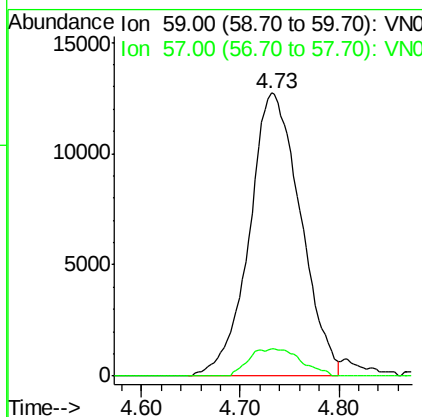
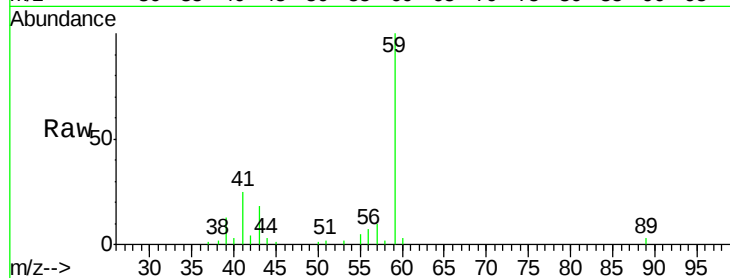
Tert butyl alcohol
 Concen: 120.365 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.4	8.3	12.5#

Manual Integrations
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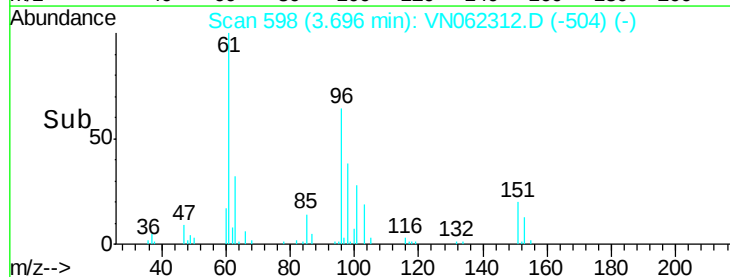
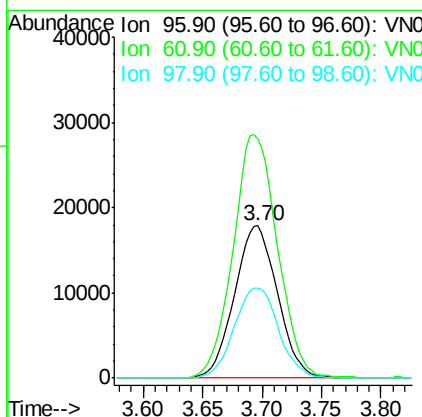
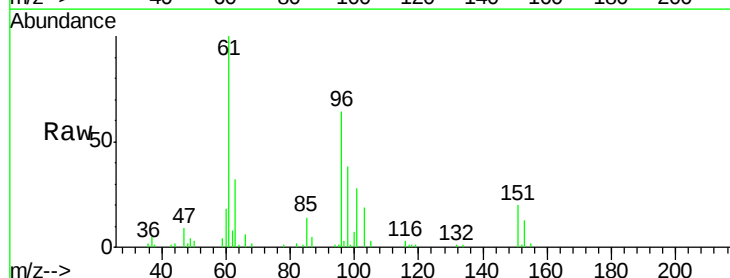
MMDadoda
 7/2/2020 12:31:10 PM

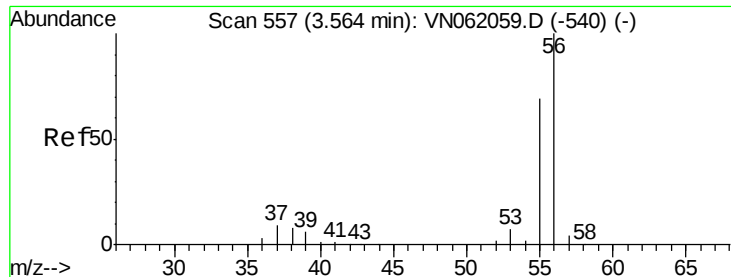


#12

1,1-Dichloroethene
 Concen: 20.724 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.3	126.7	190.1
98	59.2	51.0	76.4





#13

Acrolein

Concen: 93.941 ug/l

RT: 3.56 min Scan# 557

Delta R.T. -0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBS02

Tot Ion: 56 Resp: 34923

Ion Ratio Lower Upper

56 100

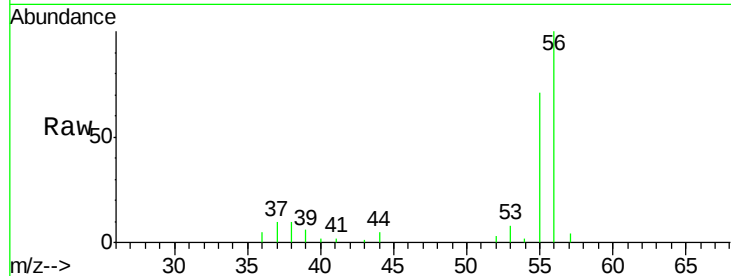
55 69.1 55.5 83.3

Manual Integrations

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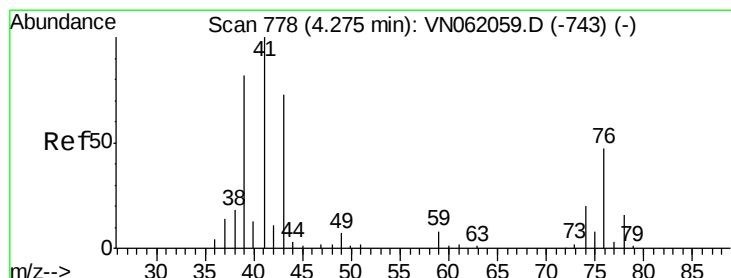
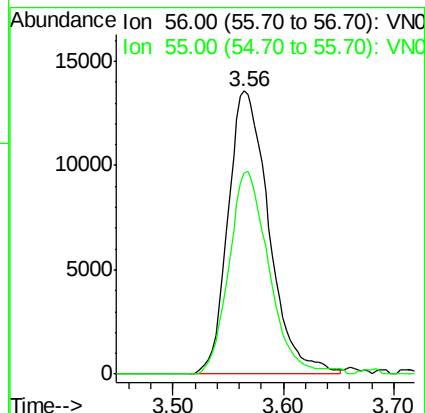
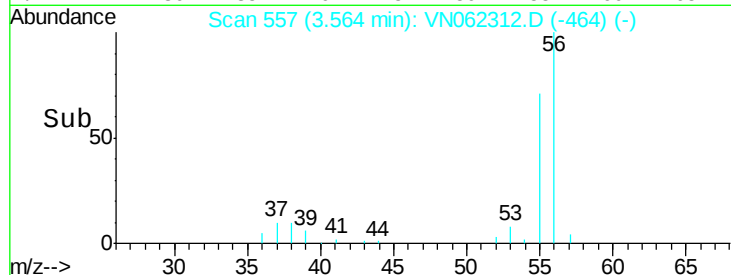
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN062312.D (-464) (-)

Ion 55.00 (54.70 to 55.70): VN062312.D (-464) (-)



#14

Allyl chloride

Concen: 22.791 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

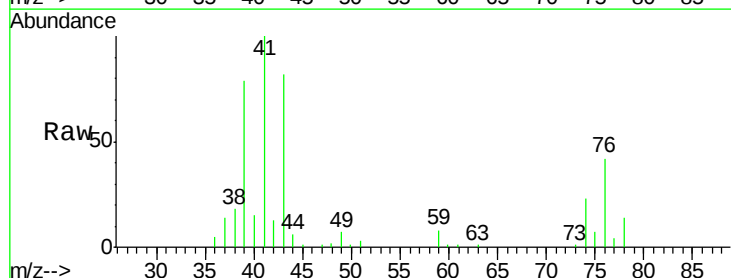
Tgt Ion: 41 Resp: 67144

Ion Ratio Lower Upper

41 100

39 70.6 60.0 90.0

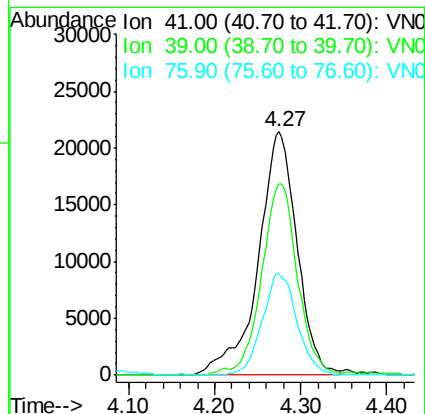
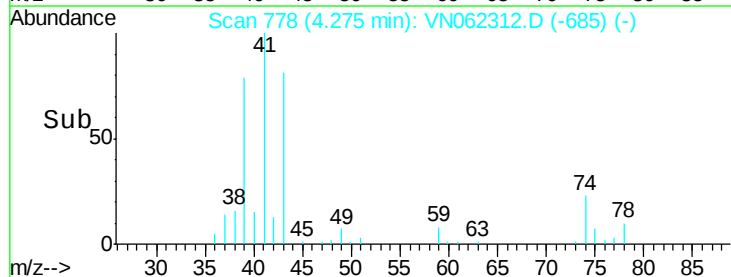
76 37.5 34.1 51.1



Abundance Ion 41.00 (40.70 to 41.70): VN062312.D (-685) (-)

Ion 39.00 (38.70 to 39.70): VN062312.D (-685) (-)

Ion 75.90 (75.60 to 76.60): VN062312.D (-685) (-)





#15

Acrylonitrile

Concen: 121.434 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

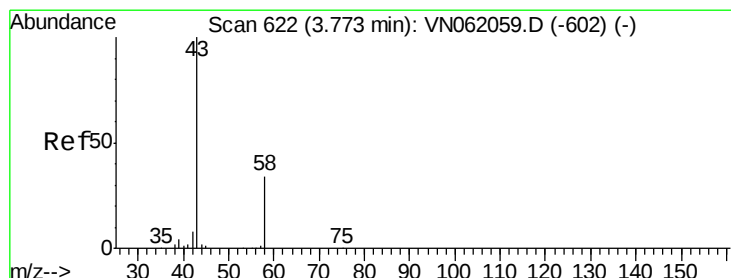
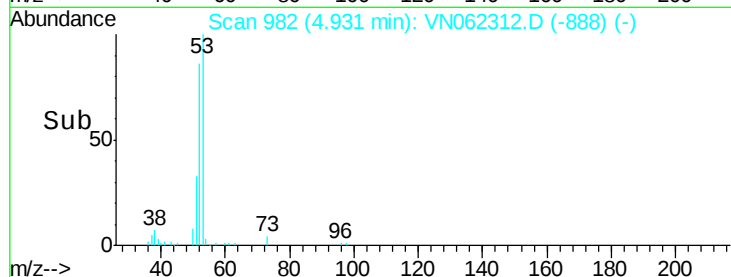
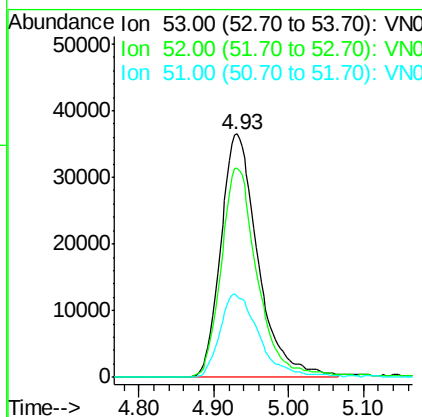
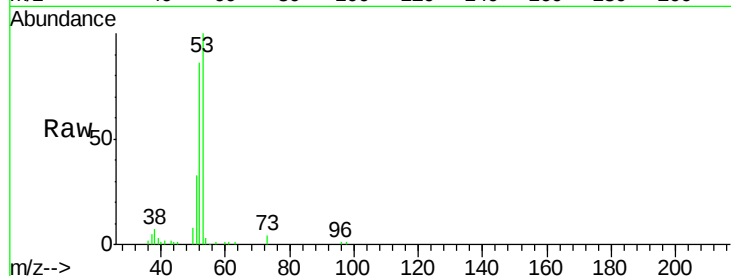
ClientSampleId :

VN0701WBS02

Tot Ion:	53	Resp:	125649
Ion Ratio	Lower	Upper	
53	100		
52	84.0	66.2	99.4
51	35.6	28.9	43.3

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#16

Acetone

Concen: 118.536 ug/l

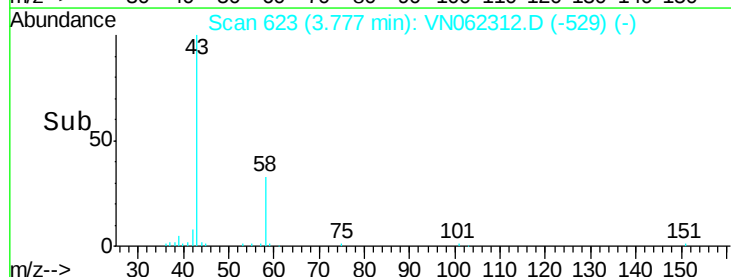
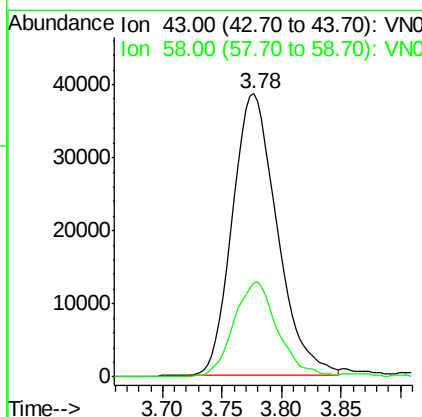
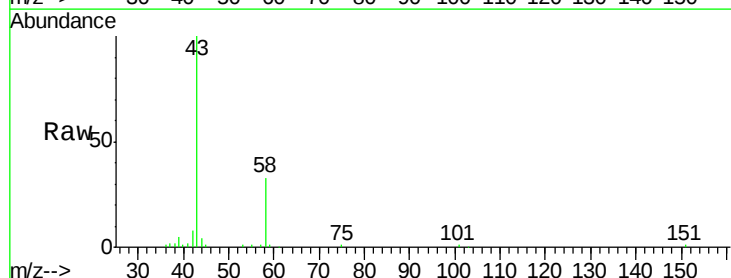
RT: 3.78 min Scan# 623

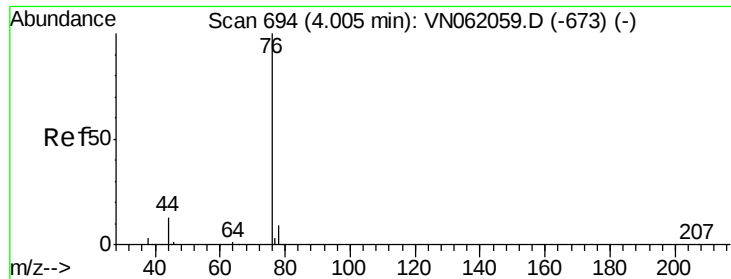
Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Tgt Ion:	43	Resp:	100165
Ion Ratio	Lower	Upper	
43	100		
58	33.5	27.5	41.3





#17

Carbon Disulfide

Concen: 19.610 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

ClientSampled :

VN0701WBS02

Tot Ion: 76 Resp: 121351

Ion Ratio Lower Upper

76 100

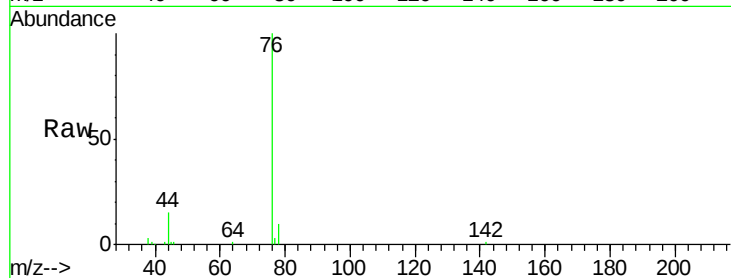
78 9.8 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.01

50000

40000

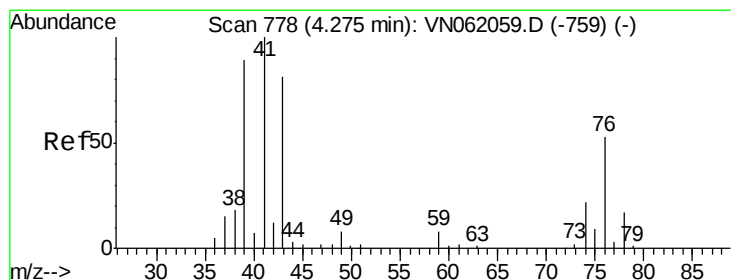
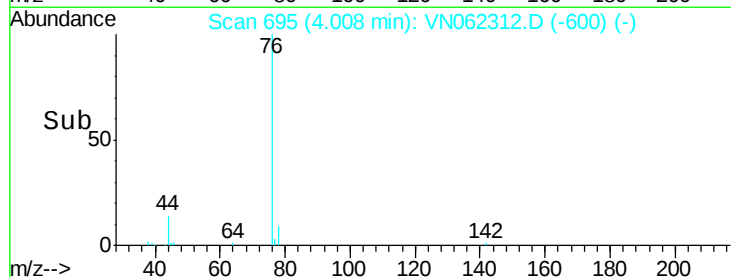
30000

20000

10000

0

Time-->



#18

Methyl Acetate

Concen: 24.856 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062312.D

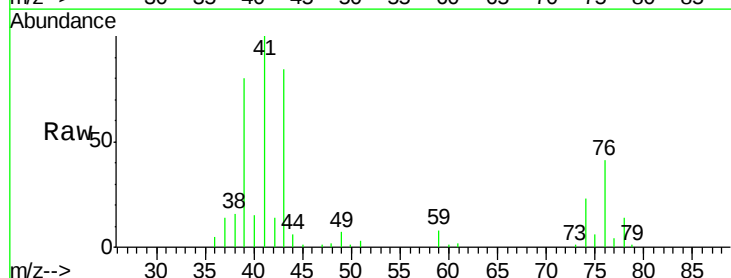
Acq: 2 Jul 2020 1:08

Tgt Ion: 43 Resp: 52254

Ion Ratio Lower Upper

43 100

74 27.2 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.28

20000

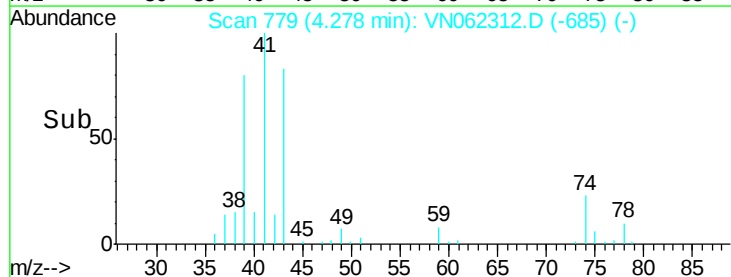
15000

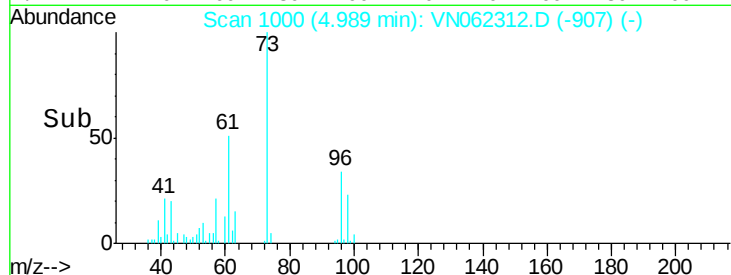
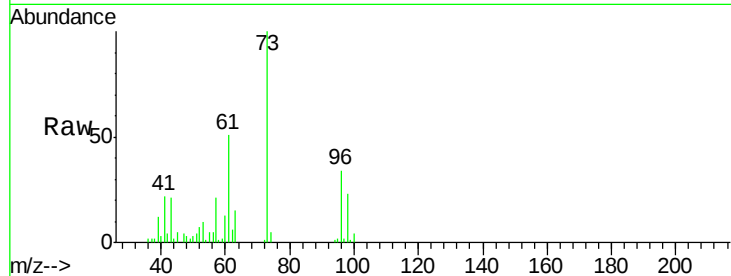
10000

5000

0

Time-->





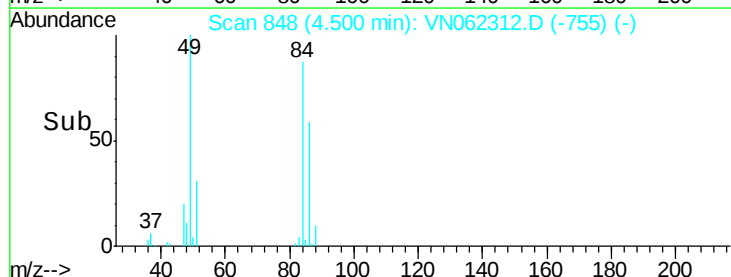
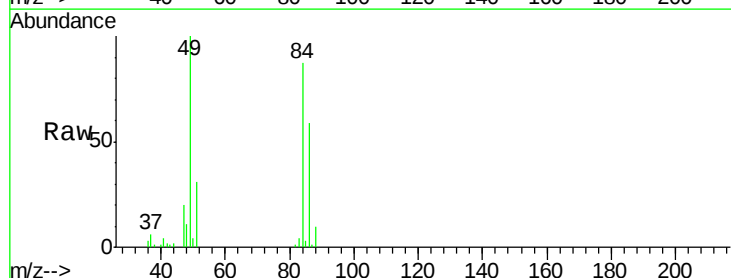
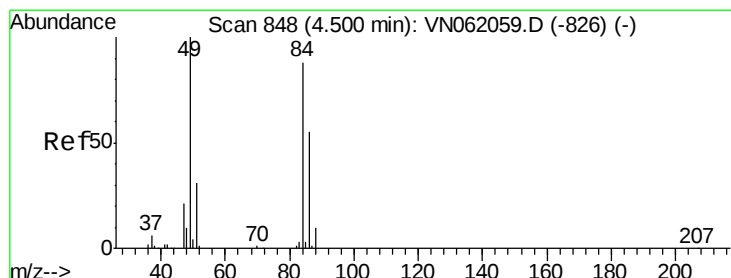
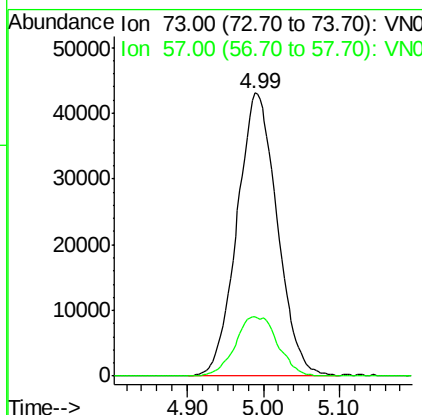
#19
Methvl tert-butvl Ether
Concen: 22.861 ug/l
RT: 4.99 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tot Ion: 73 Resp: 158069
Ion Ratio Lower Upper
73 100
57 21.2 16.6 24.8

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

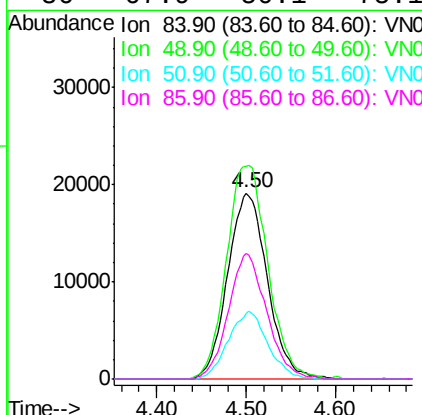
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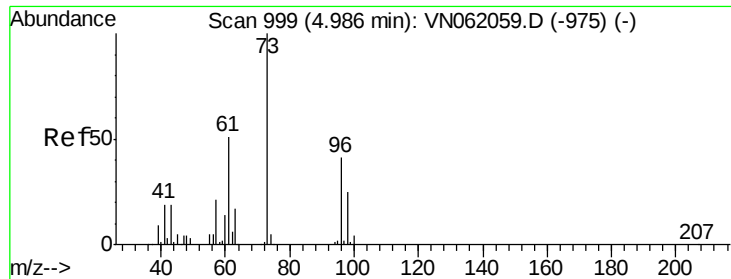
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#20
Methylene Chloride
Concen: 24.292 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion: 84 Resp: 59245
Ion Ratio Lower Upper
84 100
49 114.6 90.6 136.0
51 35.4 27.8 41.8
86 67.9 50.1 75.1





#21

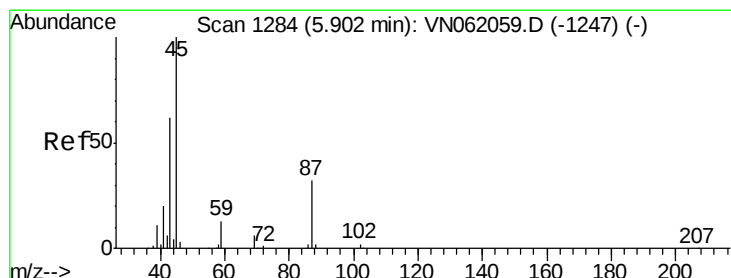
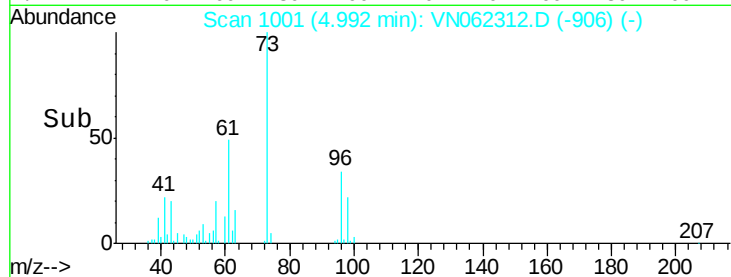
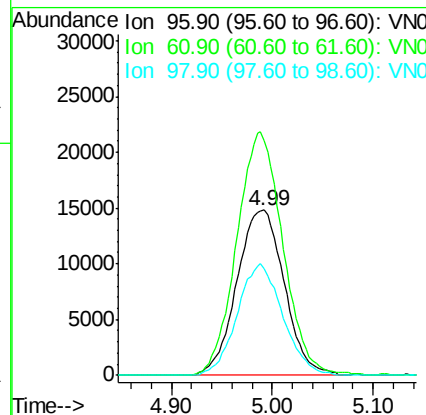
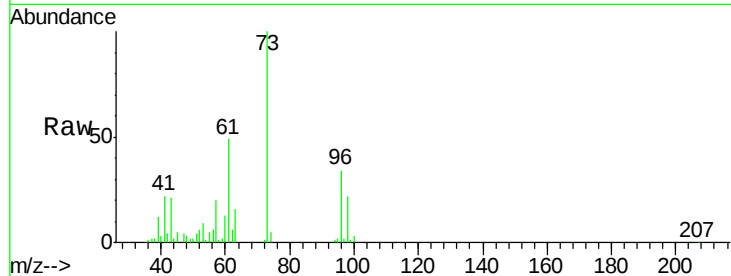
trans-1,2-Dichloroethene
Concen: 19.633 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	101.4	152.2
98	65.0	49.3	73.9

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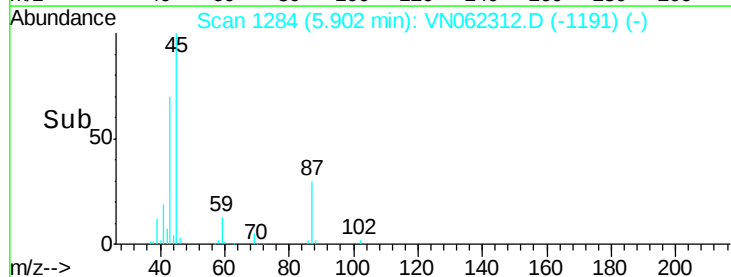
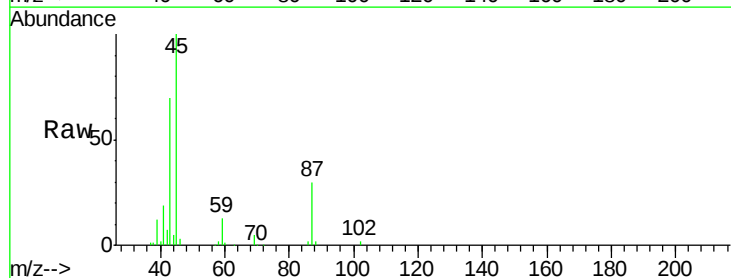
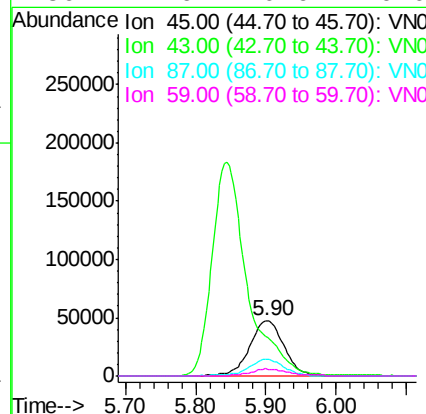
MMDadoda
7/2/2020 12:31:10 PM

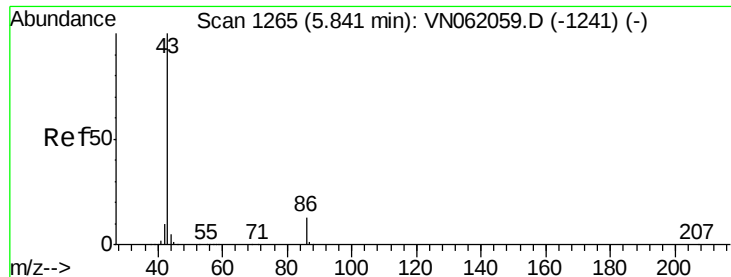


#22

Diisopropyl ether
Concen: 24.070 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.7	49.7	74.5
87	29.6	25.9	38.9
59	12.6	10.6	16.0





#23

Vinyl Acetate

Concen: 116.437 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

ClientSampled :

VN0701WBS02

Tot Ion: 43 Resp: 637684

Ion Ratio Lower Upper

43 100

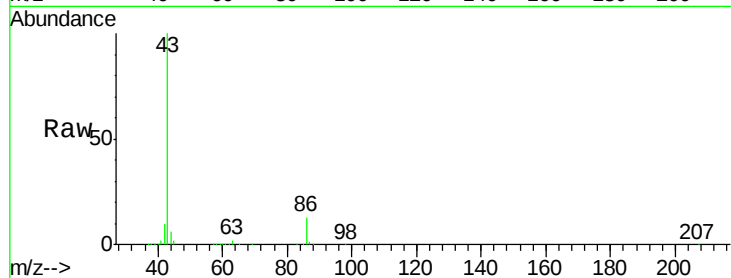
86 12.5 10.1 15.1

Manual Integrations

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MMDadoda

7/2/2020 12:31:10 PM



Abundance Ion 43.00 (42.70 to 43.70): VN062312.D (-1172) (-)

Ion 86.00 (85.70 to 86.70): VN062312.D (-1172) (-)

5.84

200000

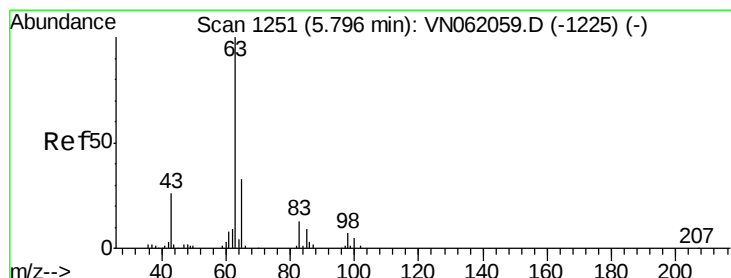
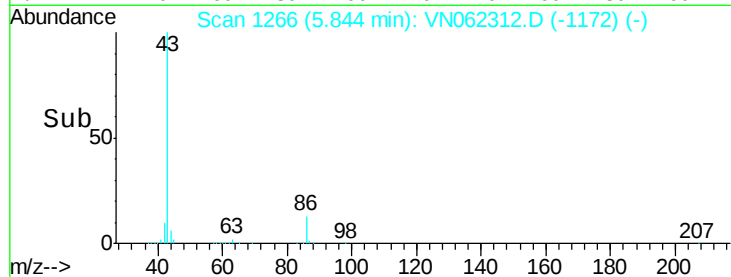
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 23.063 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

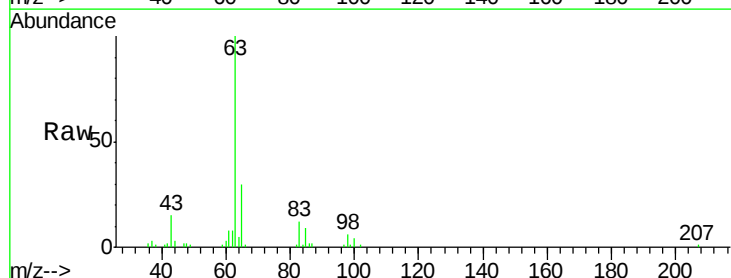
Tgt Ion: 63 Resp: 99622

Ion Ratio Lower Upper

63 100

98 5.8 3.6 10.9

100 3.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VN062312.D (-1158) (-)

Ion 97.90 (97.60 to 98.60): VN062312.D (-1158) (-)

Ion 99.90 (99.60 to 100.60): VN062312.D (-1158) (-)

5.80

40000

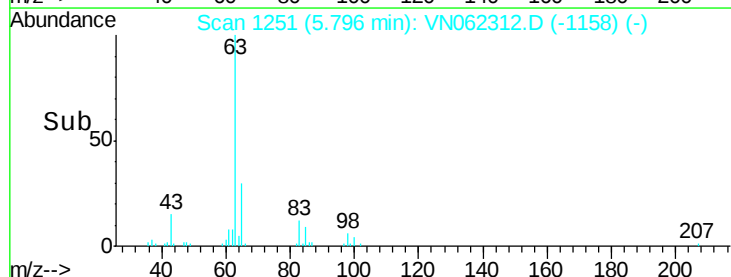
30000

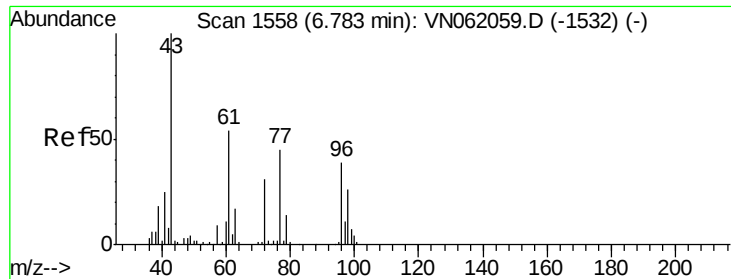
20000

10000

0

Time-->





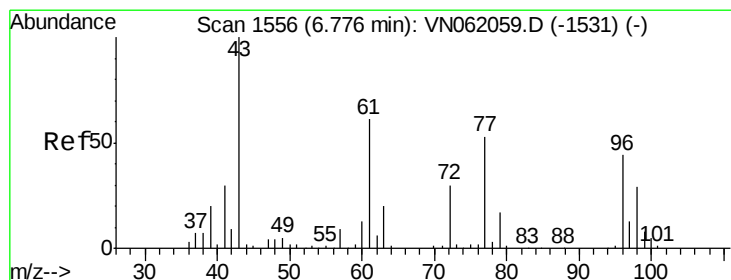
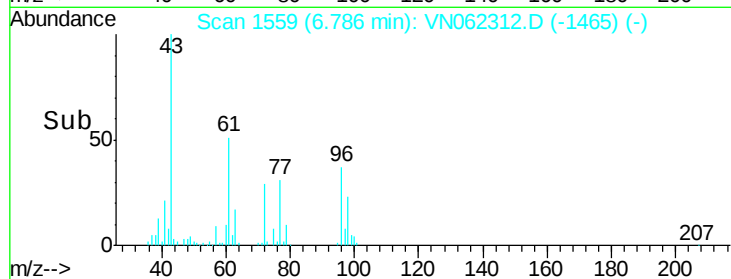
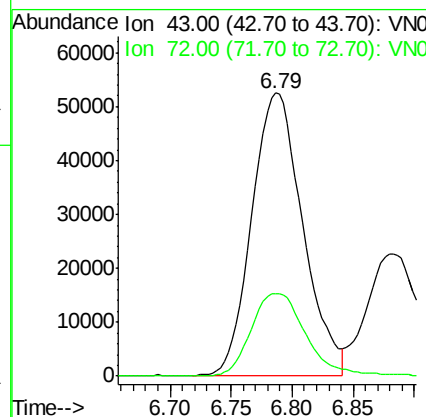
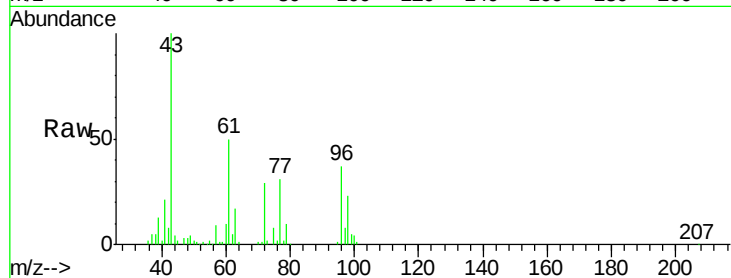
#25
2-Butanone
Concen: 117.194 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS02

Tot Ion: 43 Resp: 151489
Ion Ratio Lower Upper
43 100
72 29.0 24.8 37.2

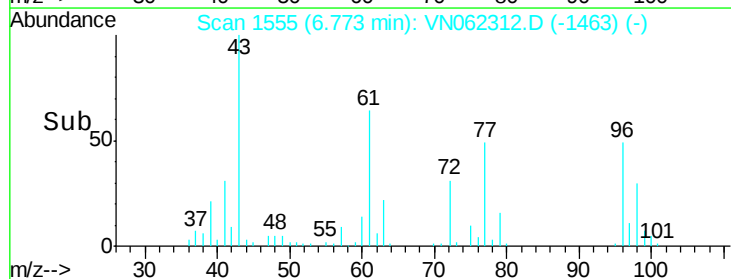
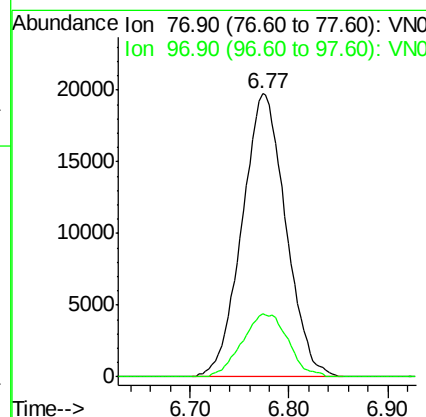
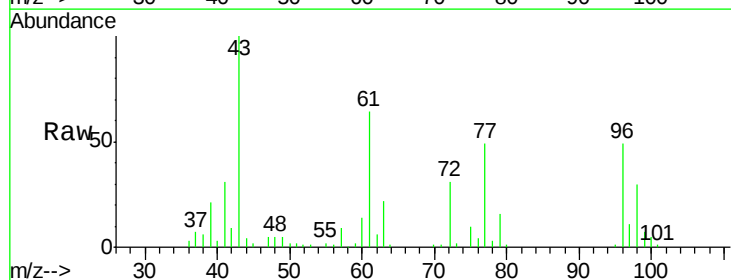
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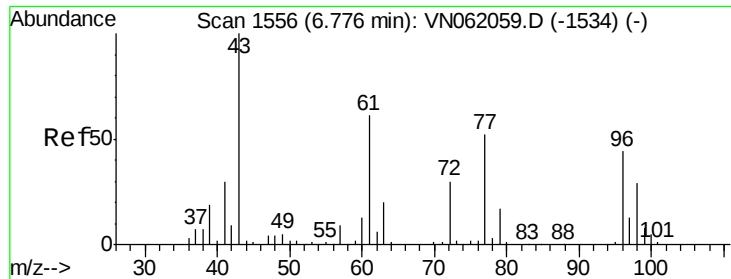
MMDadoda
7/2/2020 12:31:10 PM



#26
2,2-Dichloropropane
Concen: 16.856 ug/l
RT: 6.77 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion: 77 Resp: 60672
Ion Ratio Lower Upper
77 100
97 23.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.952 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

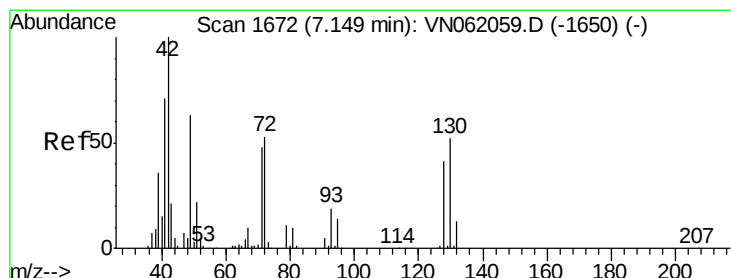
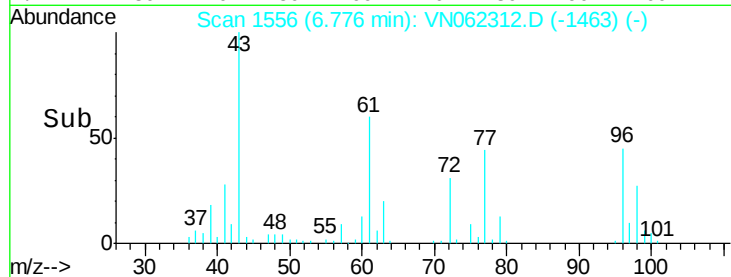
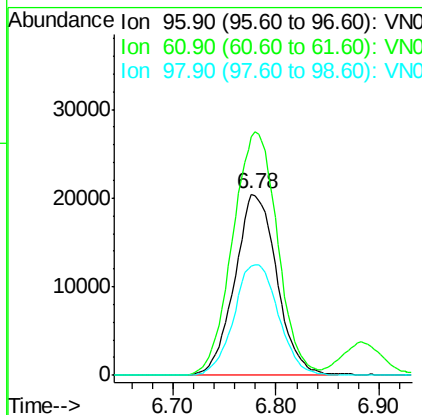
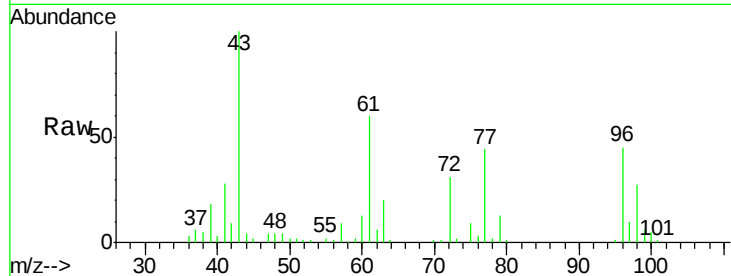
ClientSampleId :

VN0701WBS02

Tot Ion:	96	Resp:	58117
Ion Ratio	Lower	Upper	
96	100		
61	142.7	0.0	280.4
98	64.4	0.0	129.4

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7/2/2020 12:31:10 PM



#28

Bromochloromethane

Concen: 19.799 ug/l

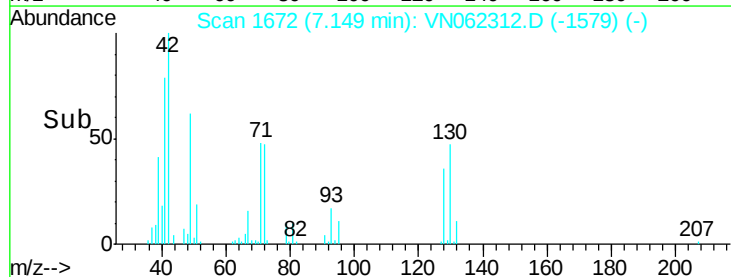
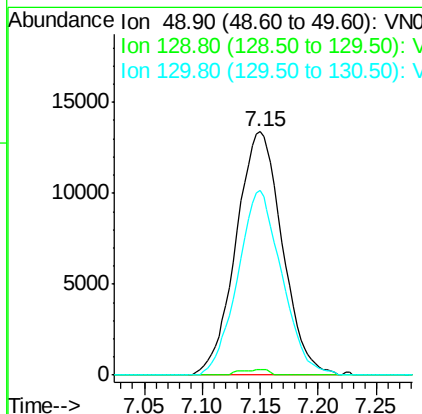
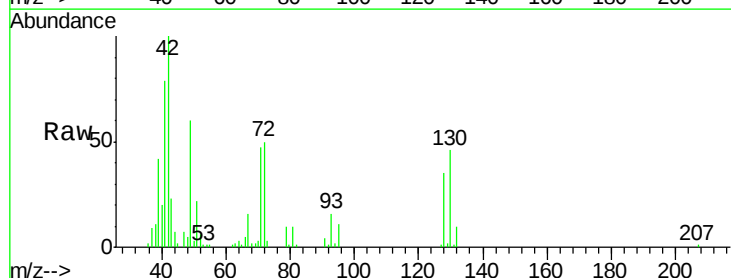
RT: 7.15 min Scan# 1672

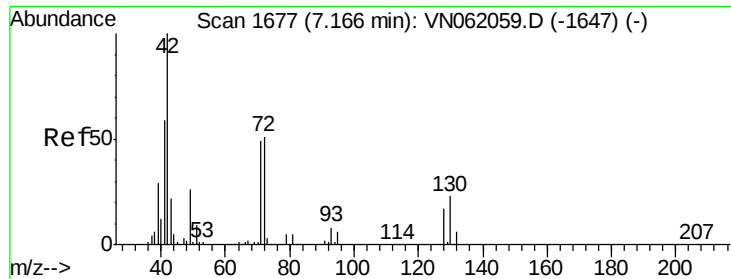
Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Tgt Ion:	49	Resp:	37106
Ion Ratio	Lower	Upper	
49	100		
129	0.9	0.0	4.4
130	72.4	65.5	98.3





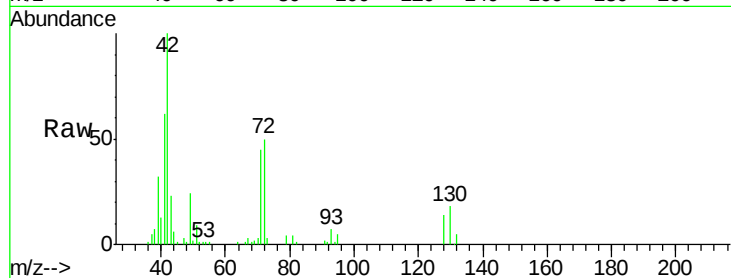
#29
Tetrahydrofuran
Concen: 122.747 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

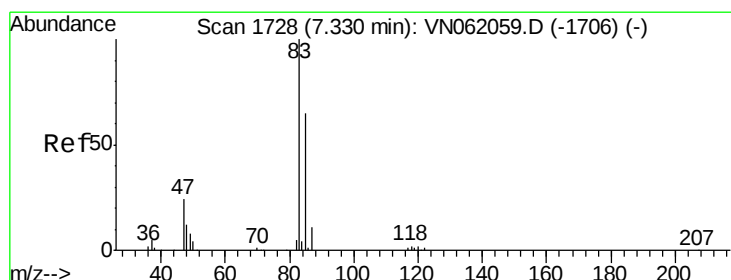
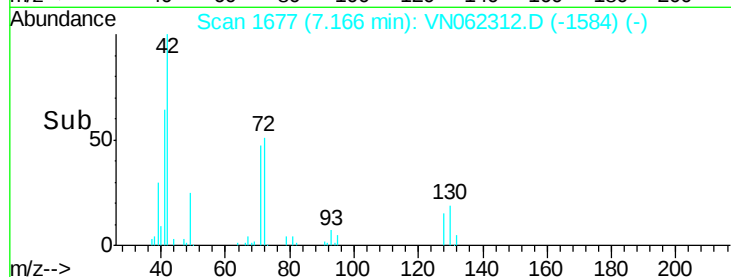
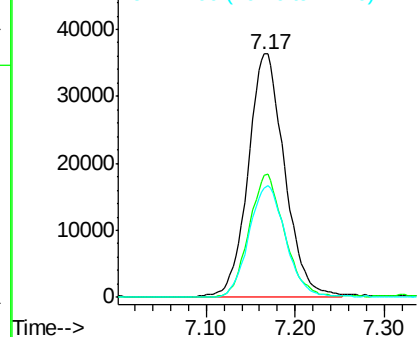
Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	41.1	61.7
71	45.9	38.2	57.4

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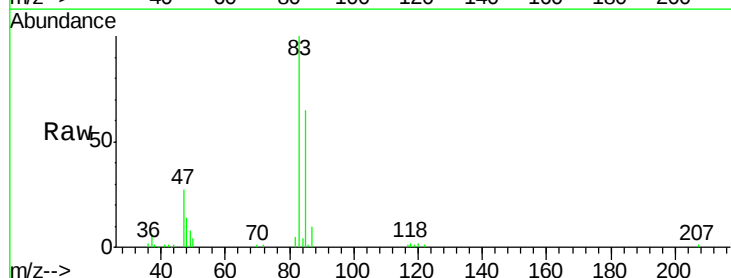


Abundance Ion 42.00 (41.70 to 42.70): VN062312.D (-1584) (-)
Ion 72.00 (71.70 to 72.70): VN062312.D (-1584) (-)
Ion 71.00 (70.70 to 71.70): VN062312.D (-1584) (-)

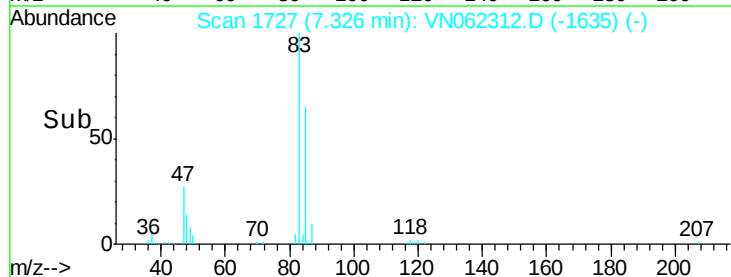
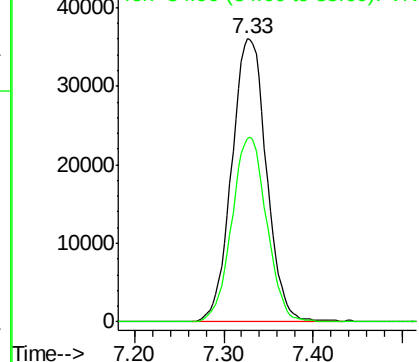


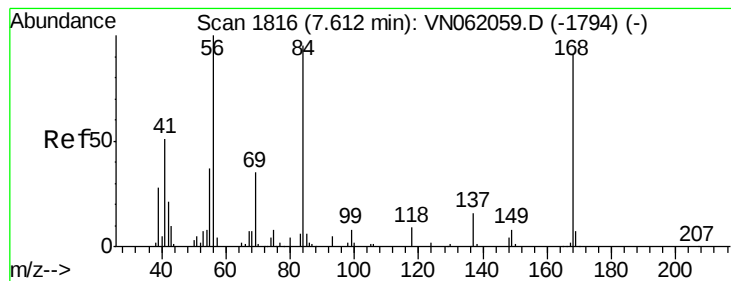
#30
Chloroform
Concen: 22.134 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.3	78.5



Abundance Ion 82.90 (82.60 to 83.60): VN062312.D (-1635) (-)
Ion 84.90 (84.60 to 85.60): VN062312.D (-1635) (-)





#31

Cyclohexane

Concen: 20.210 ug/l

RT: 7.62 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

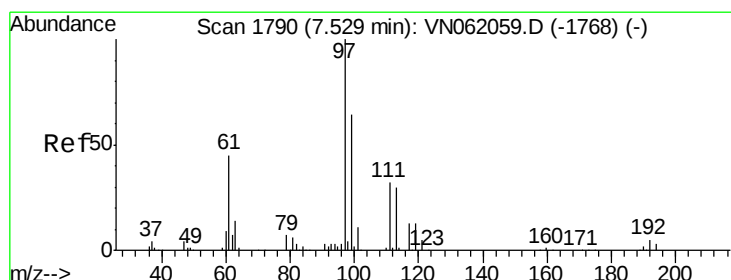
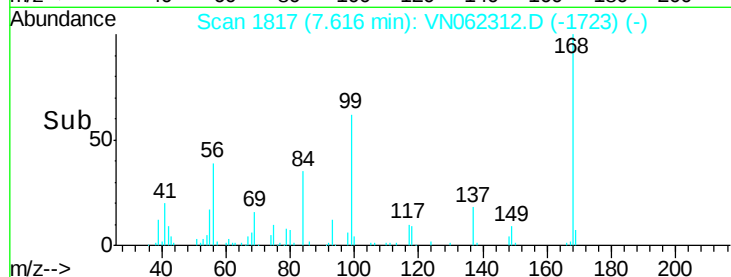
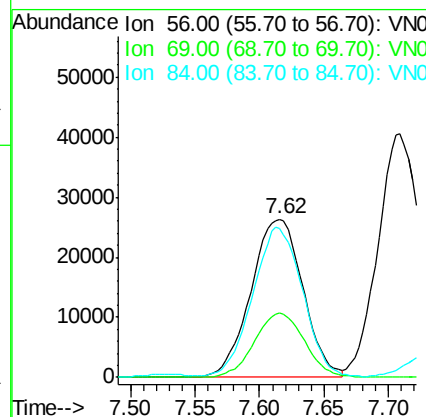
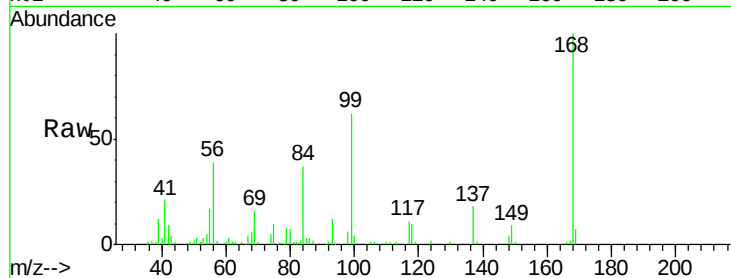
ClientSampleId :

VN0701WBS02

Tot Ion:	56	Resp:	73841
Ion Ratio	Lower	Upper	
56	100		
69	40.6	28.0	42.0
84	93.2	76.1	114.1

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.686 ug/l

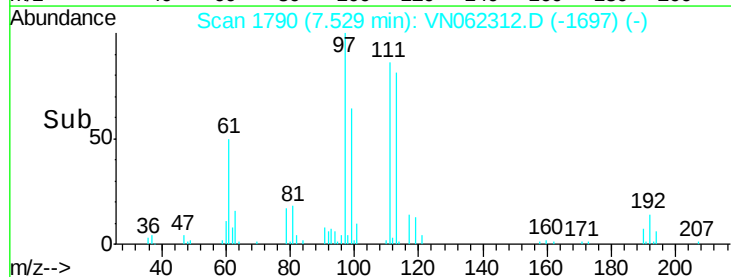
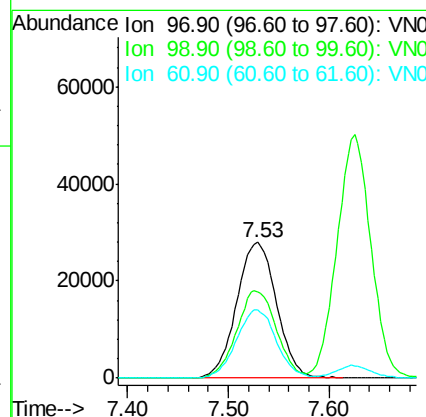
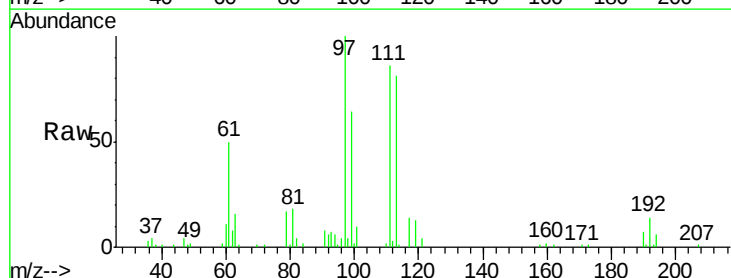
RT: 7.53 min Scan# 1790

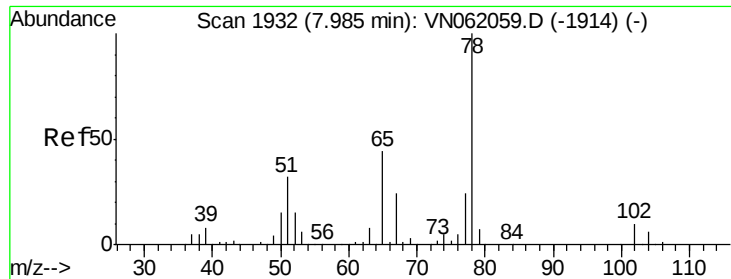
Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Tgt Ion:	97	Resp:	76667
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.0	76.4
61	50.1	36.2	54.2





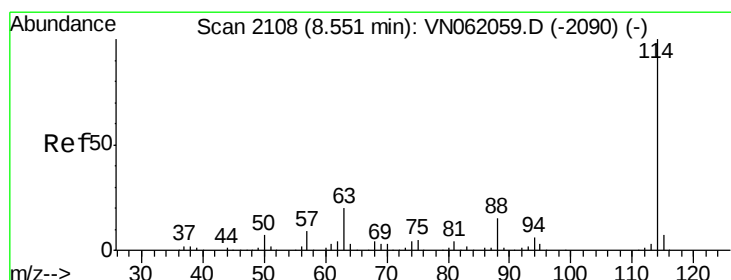
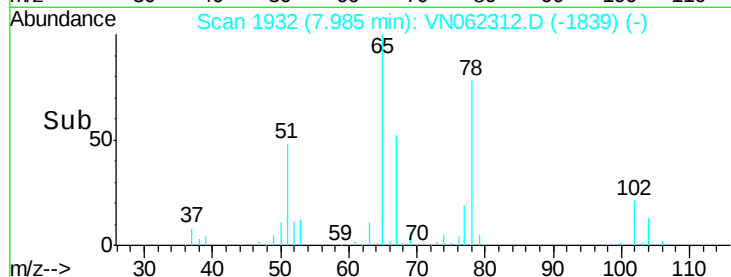
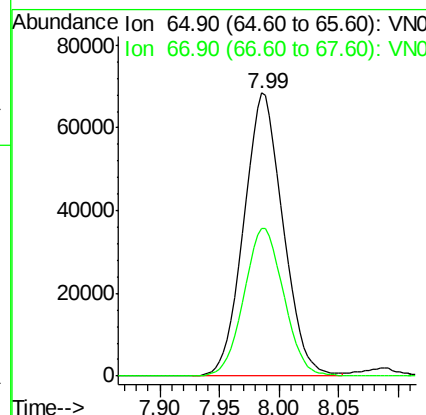
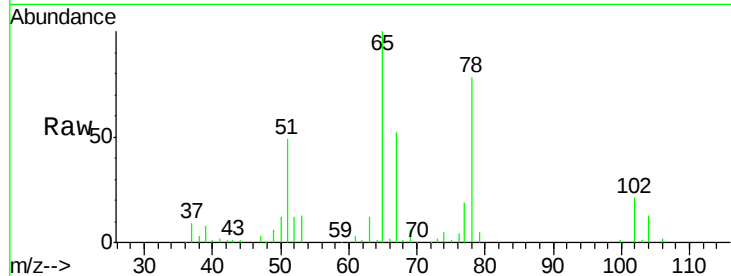
#33
 1,2-Dichloroethane-d4
 Concen: 59.089 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	156267		
67	53.0	0.0	106.2	

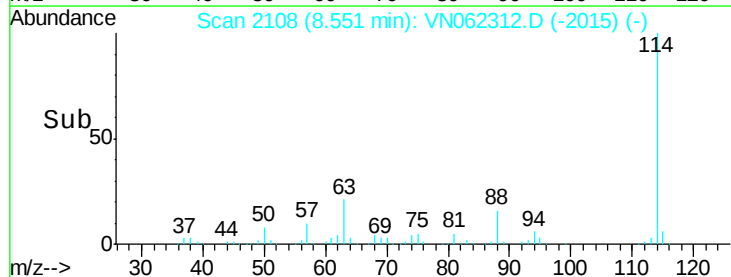
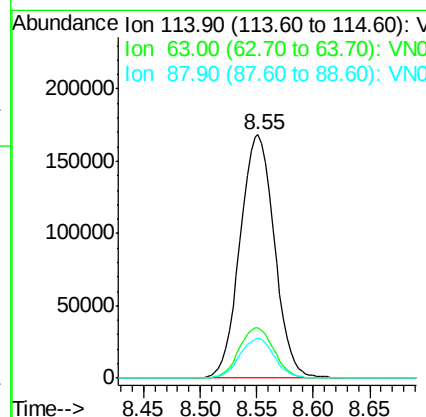
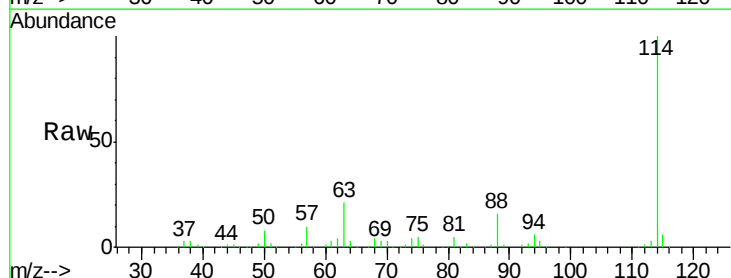
Manual Integrations
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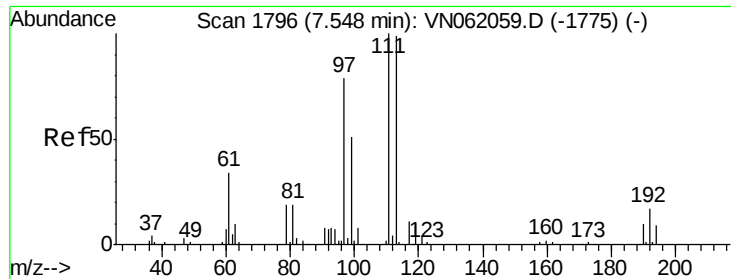
MMDadoda
 7/2/2020 12:31:10 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	356627		
63	20.9	0.0	39.2	
88	16.3	0.0	30.8	





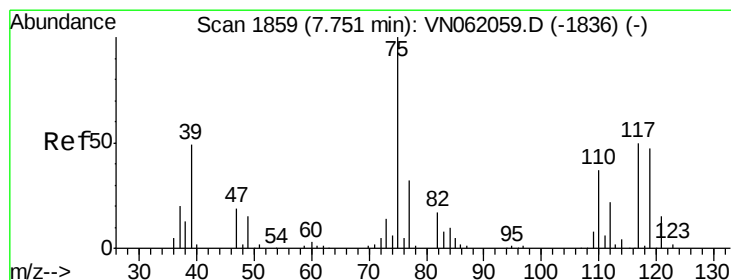
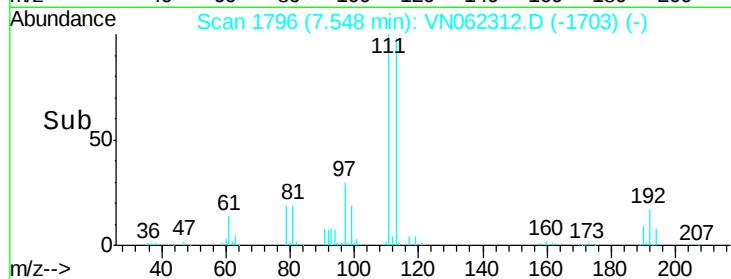
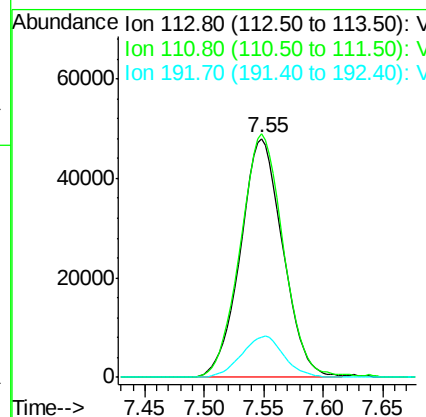
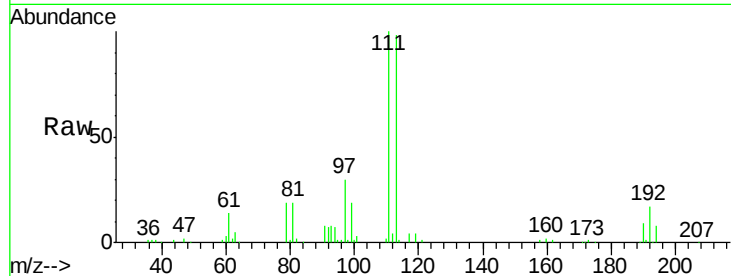
#35
 Dibromofluoromethane
 Concen: 51.748 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	118397		
111	103.4	82.2	123.4	
192	17.2	14.0	21.0	

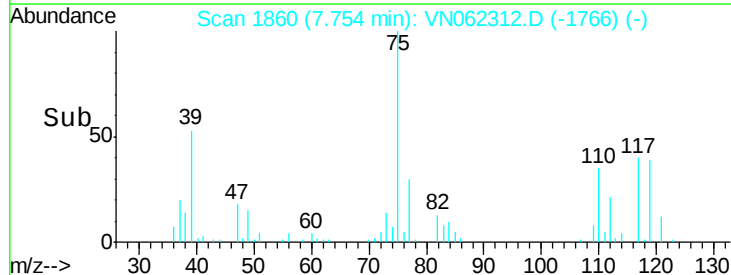
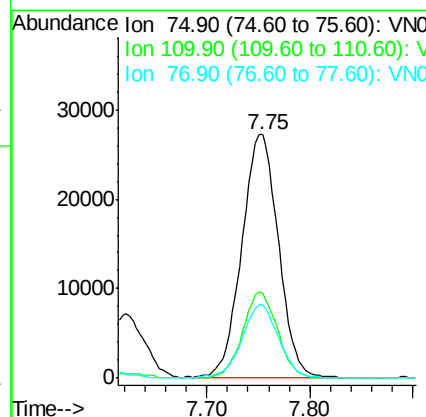
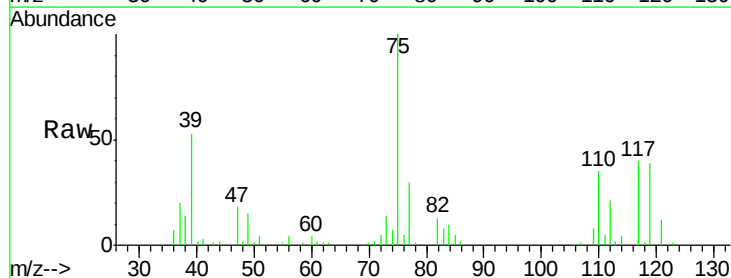
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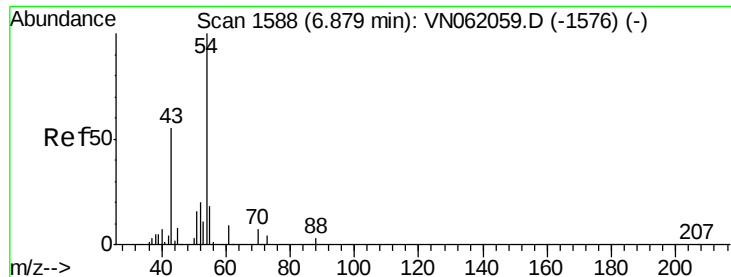
MMDadoda
 7/2/2020 12:31:10 PM



#36
 1,1-Dichloropropene
 Concen: 18.778 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	67311		
110	33.5	17.9	53.8	
77	30.3	24.9	37.3	





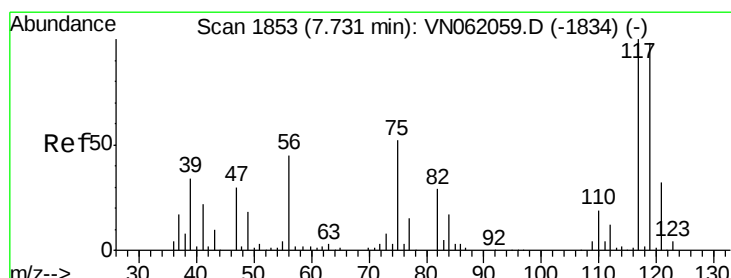
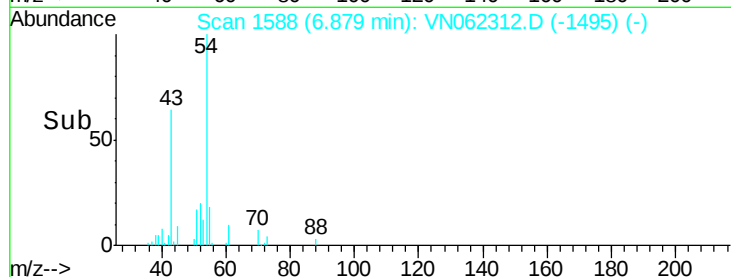
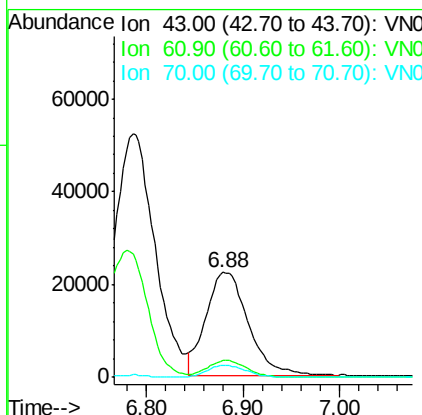
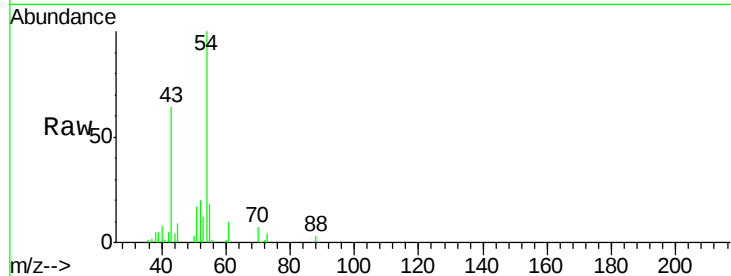
#37
Ethyl Acetate
Concen: 22.925 ug/l
RT: 6.88 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

Tot Ion	43	Resp	68049
Ion Ratio	100	Lower	Upper
43	100		
61	14.4	12.0	18.0
70	10.4	9.6	14.4

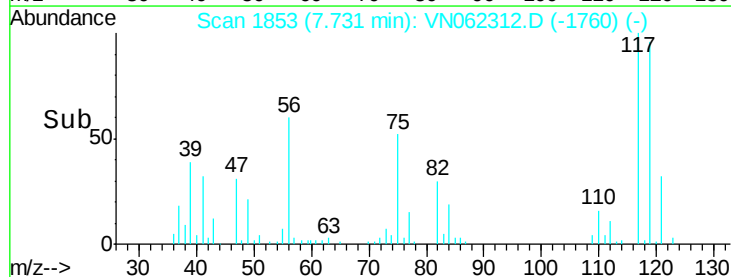
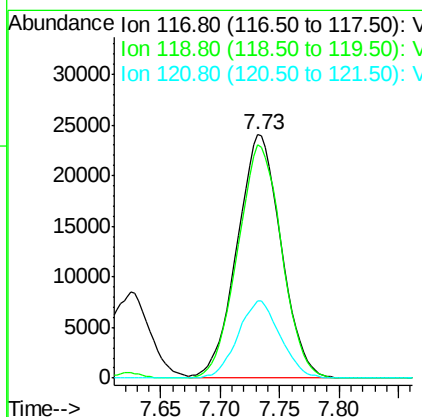
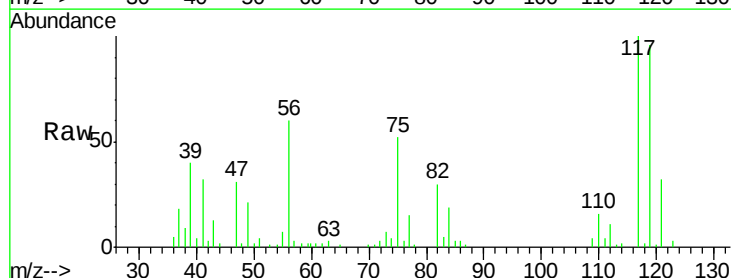
Manual Integrations
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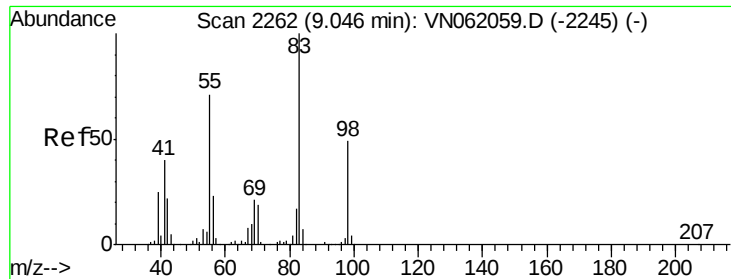
MMDadoda
7/2/2020 12:31:10 PM



#38
Carbon Tetrachloride
Concen: 18.218 ug/l
RT: 7.73 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion	117	Resp	61568
Ion Ratio	100	Lower	Upper
117	100		
119	95.6	78.2	117.2
121	31.6	25.8	38.6





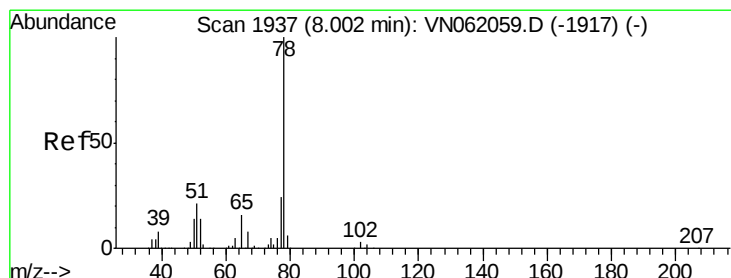
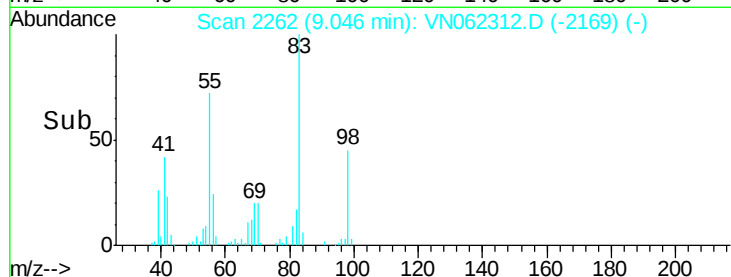
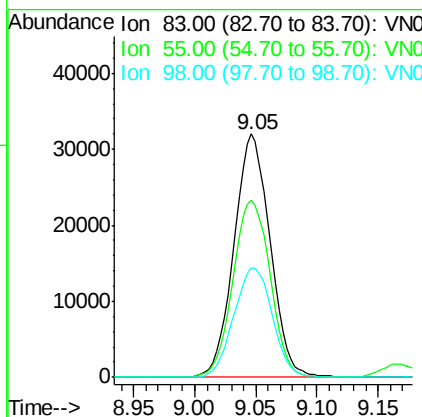
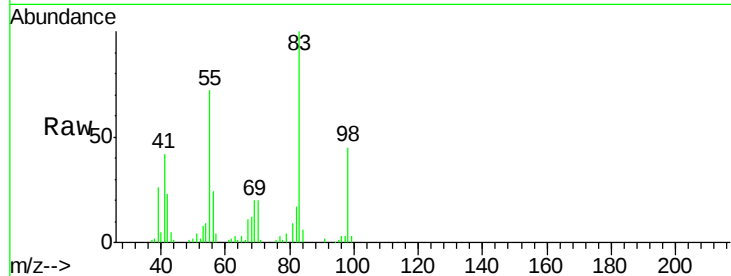
#39
Methvlcvclohexane
Concen: 16.705 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	57.0	85.6
98	44.6	39.0	58.6

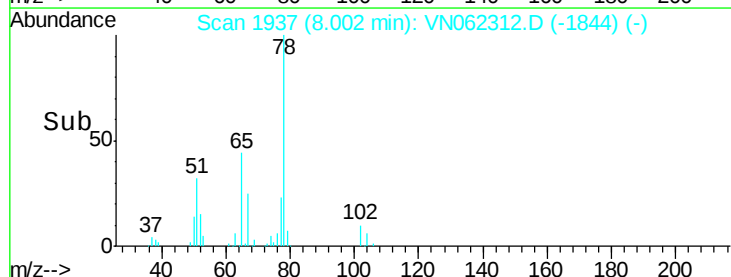
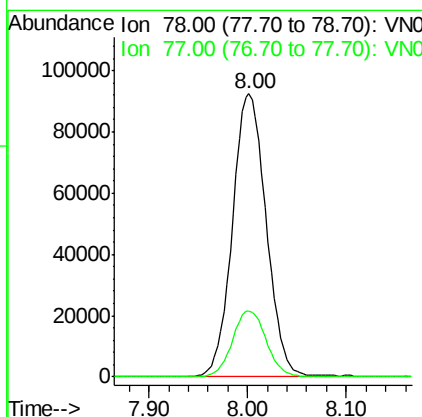
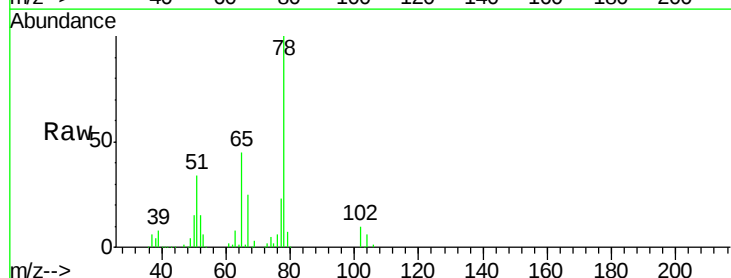
Manual Integrations
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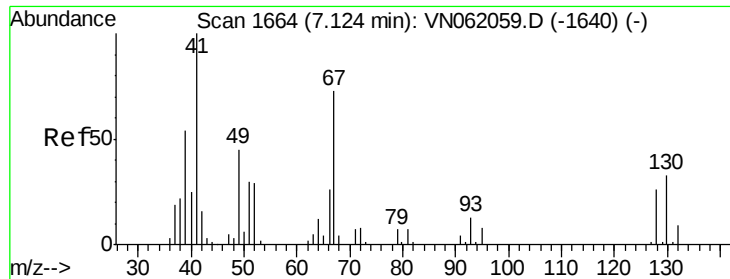
MMDadoda
7/2/2020 12:31:10 PM



#40
Benzene
Concen: 20.112 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.5	29.3





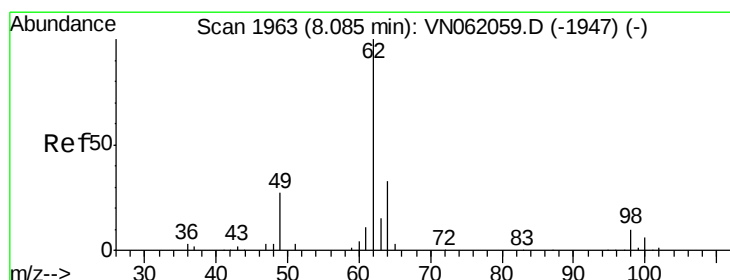
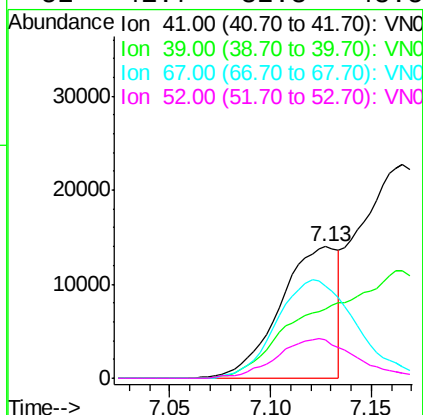
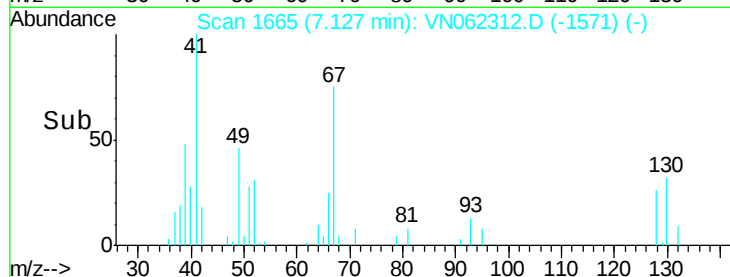
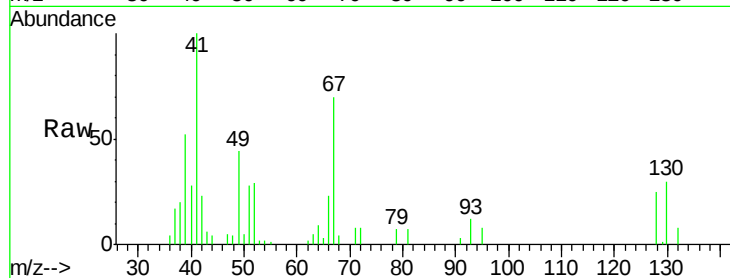
#41
Methacrylonitrile
Concen: 20.246 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.2	66.2#
67	104.0	79.5	119.3
52	41.7	32.3	48.5

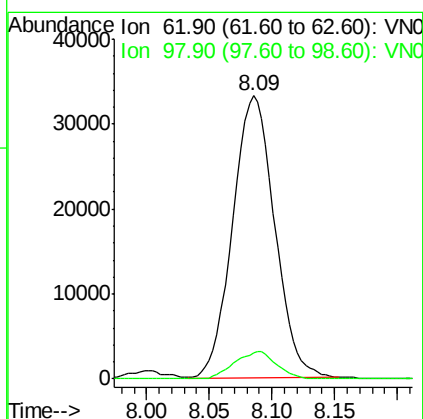
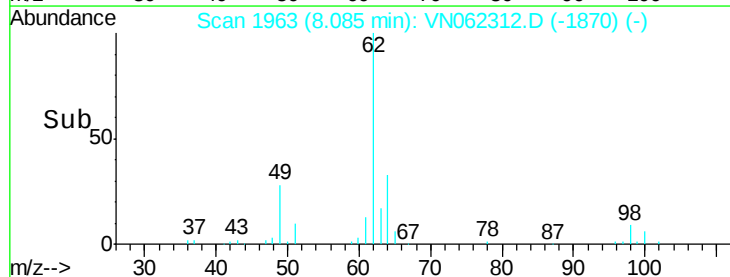
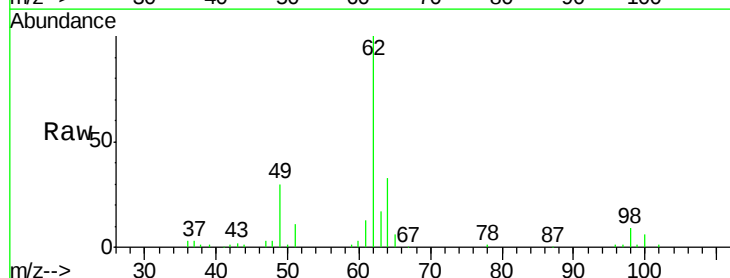
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#42
1,2-Dichloroethane
Concen: 21.015 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.8





#43

Isopropyl Acetate

Concen: 21.627 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

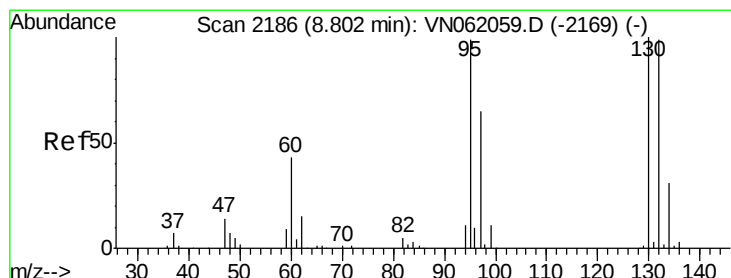
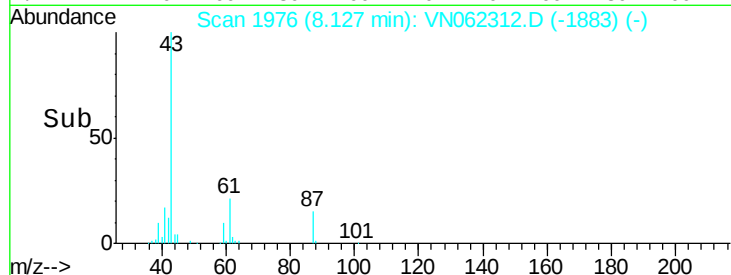
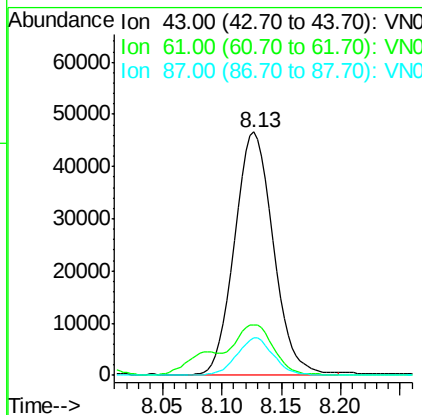
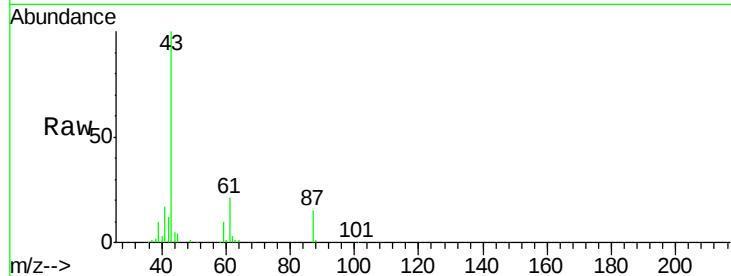
ClientSampleId :

VN0701WBS02

Tot Ion:	43	Resp:	104649
Ion	Ratio	Lower	Upper
43	100		
61	21.2	17.2	25.8
87	14.6	12.1	18.1

Manual Integrations
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#44

Trichloroethene

Concen: 17.710 ug/l

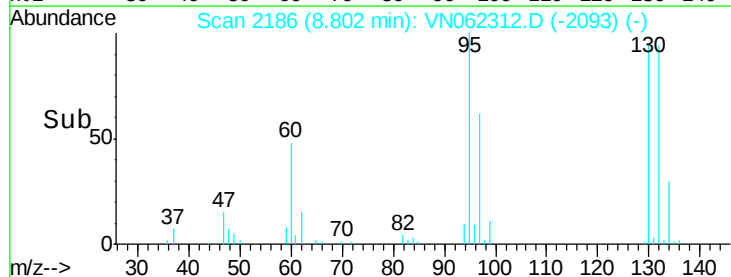
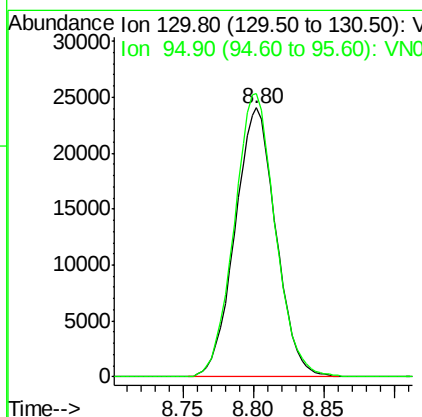
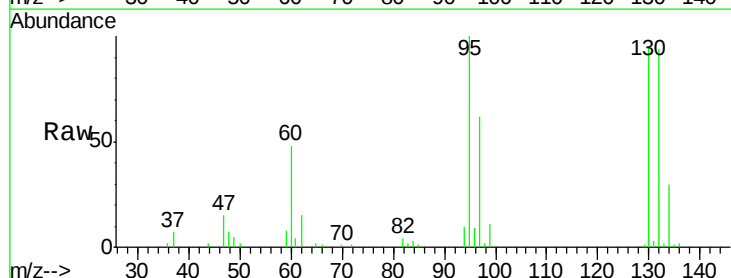
RT: 8.80 min Scan# 2186

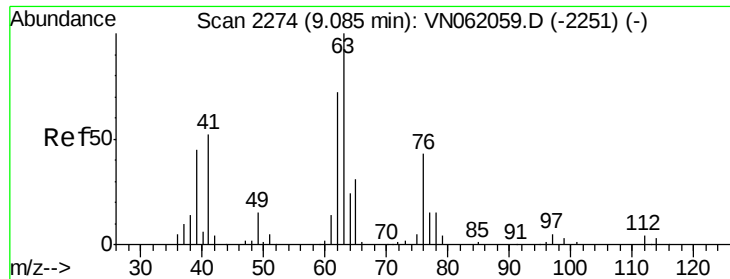
Delta R.T. -0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Tgt Ion:	130	Resp:	48810
Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	197.8





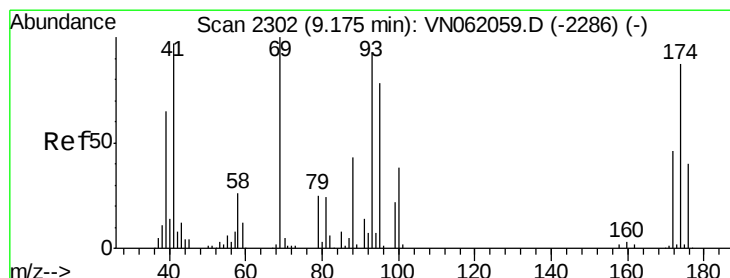
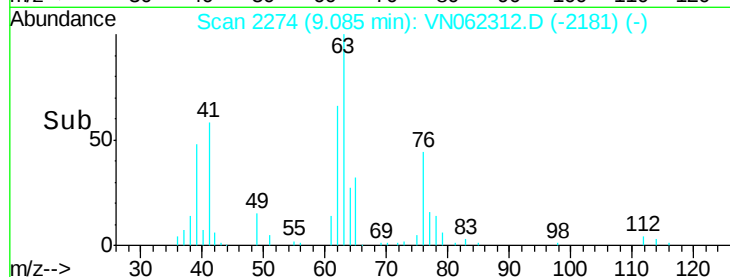
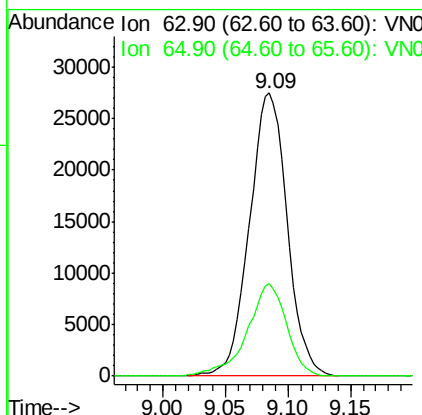
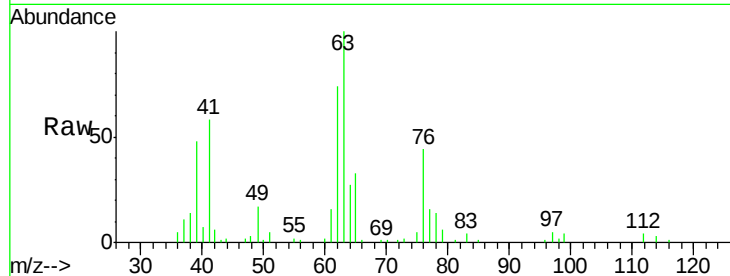
#45
 1,2-Dichloropropane
 Concen: 21.270 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.0	37.4

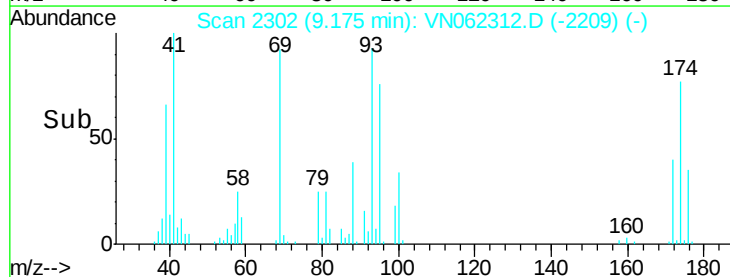
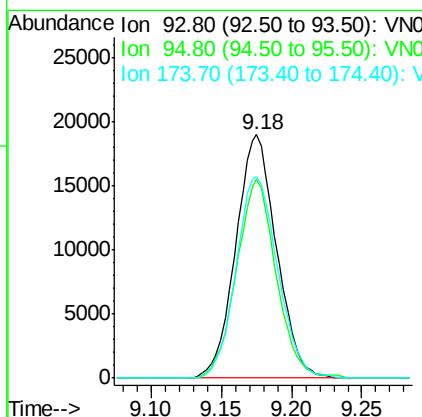
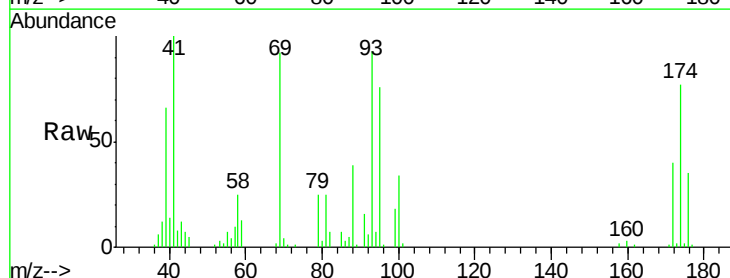
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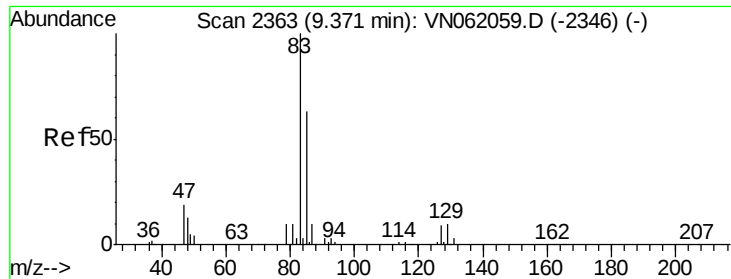
MMDadoda
 7/2/2020 12:31:10 PM



#46
 Dibromomethane
 Concen: 20.997 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
93	100		
95	79.9	67.0	100.6
174	84.8	74.4	111.6





#47

Bromodichloromethane

Concen: 20.823 ug/l

RT: 9.37 min Scan# 2363

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

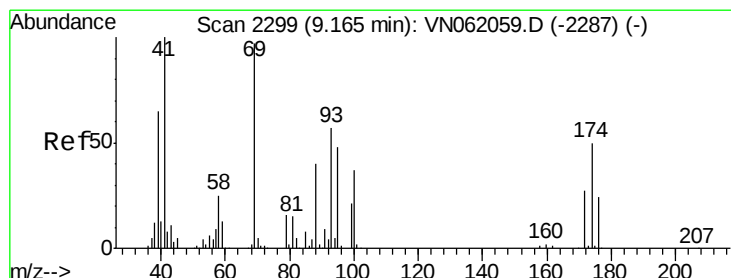
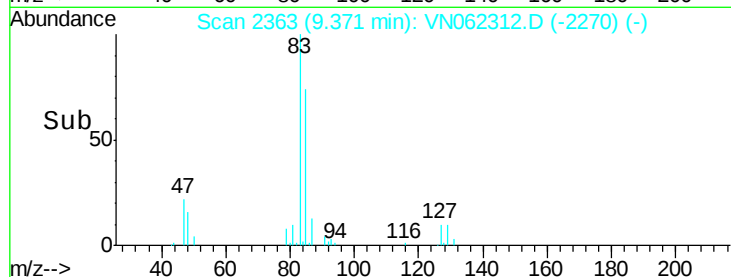
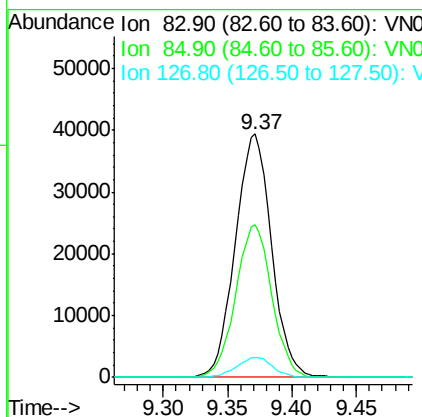
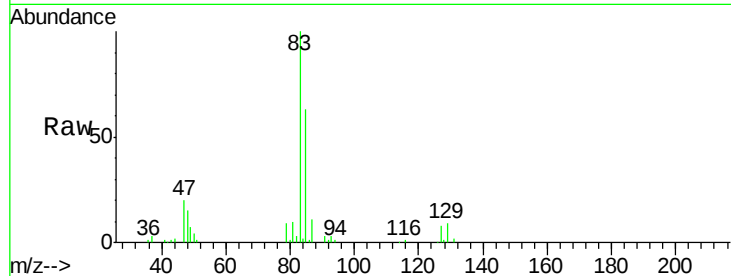
ClientSampled :

VN0701WBS02

Tot Ion:	83	Resp:	76839
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.3	75.5
127	8.2	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.737 ug/l

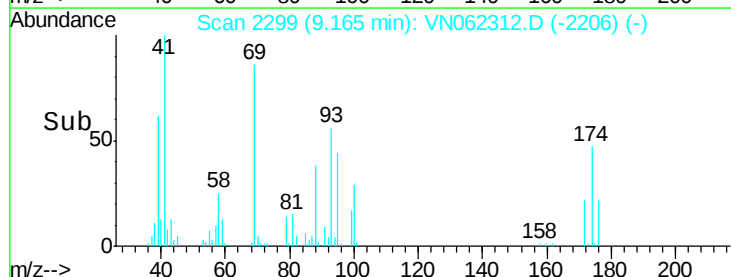
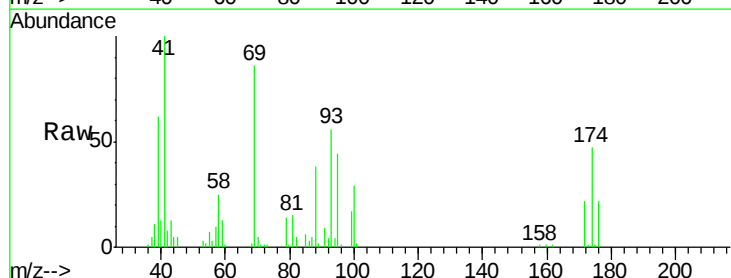
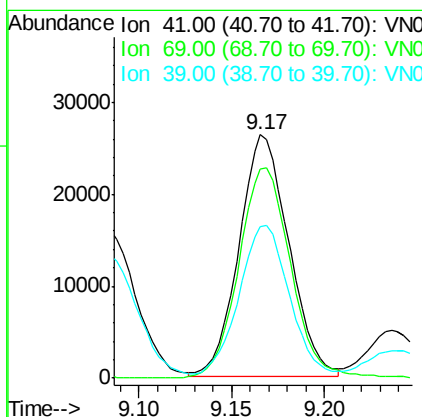
RT: 9.17 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Tgt Ion:	41	Resp:	49329
Ion	Ratio	Lower	Upper
41	100		
69	90.8	80.7	121.1
39	63.6	54.5	81.7





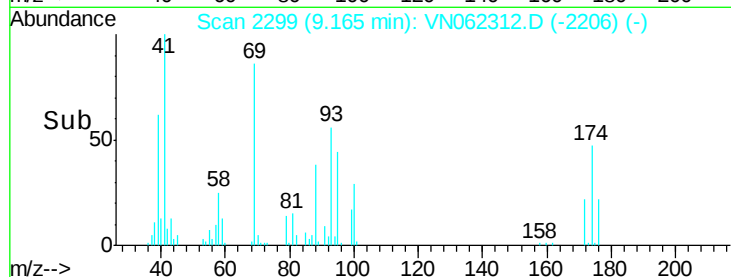
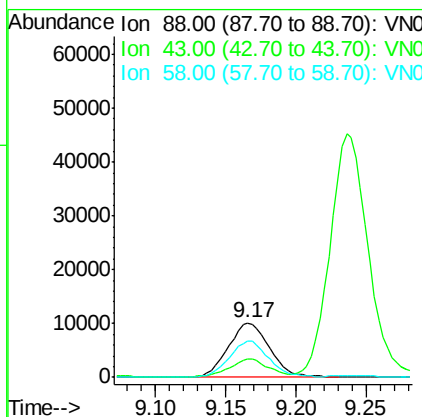
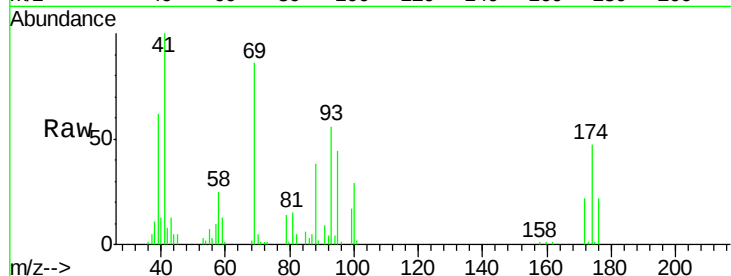
#49
1,4-Dioxane
Concen: 433.855 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	22.0	33.0
58	63.8	49.2	73.8

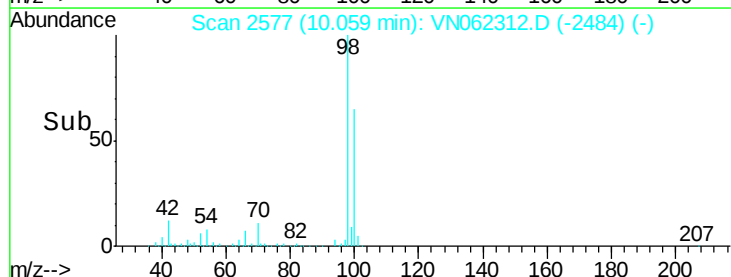
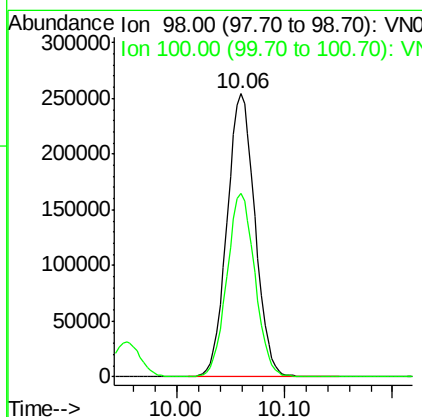
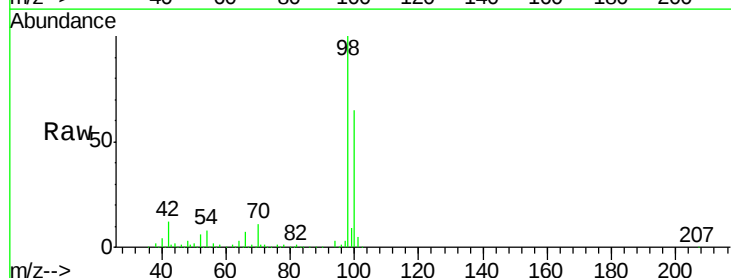
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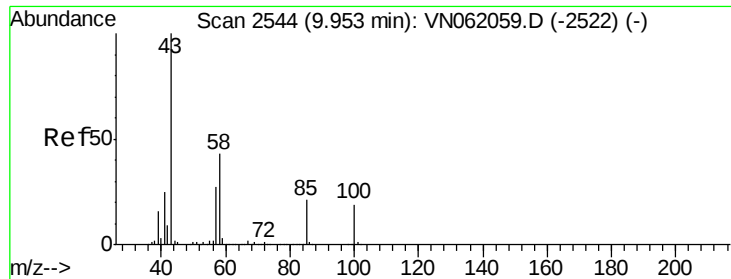
MMDadoda
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#50
Toluene-d8
Concen: 50.093 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 115.334 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

ClientSampled :

VN0701WBS02

Tot Ion: 43 Resp: 326059

Ion Ratio Lower Upper

43 100

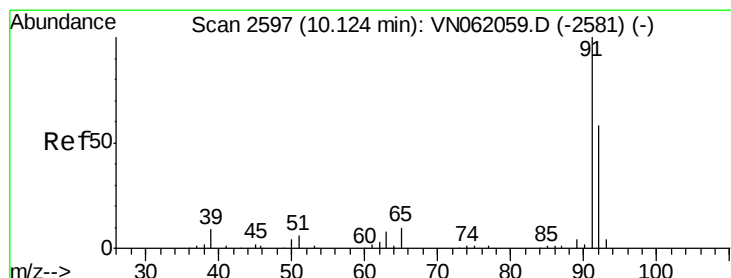
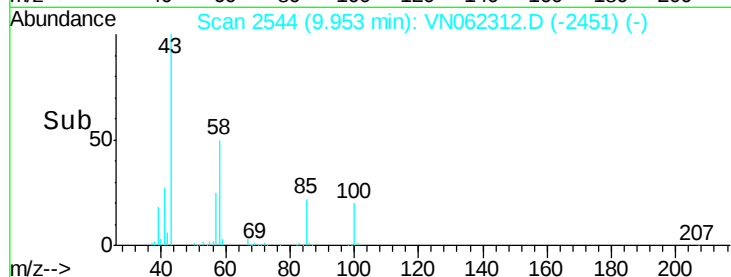
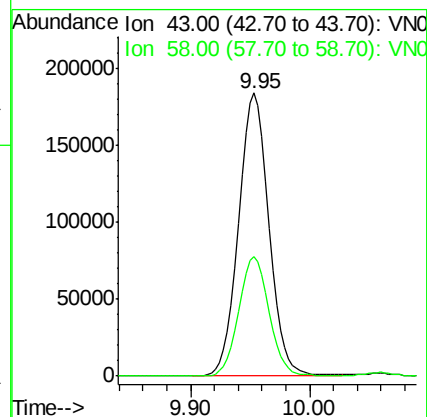
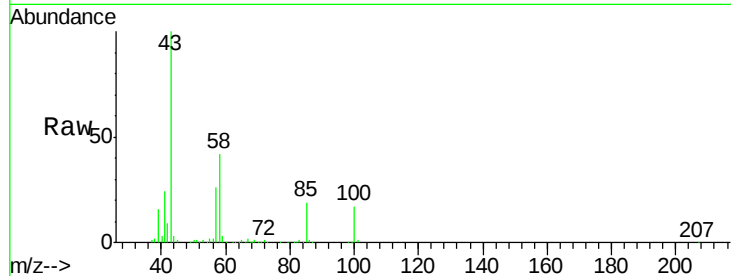
58 42.1 34.2 51.2

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#52

Toluene

Concen: 20.008 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. 0.00 min

Lab File: VN062312.D

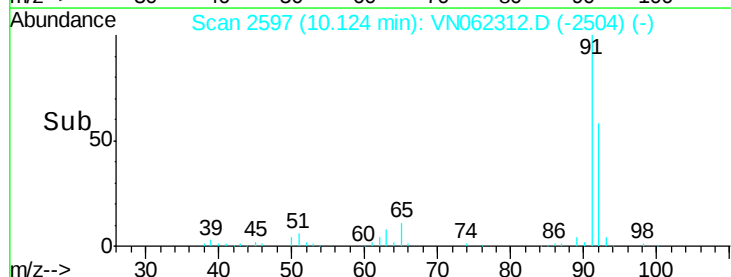
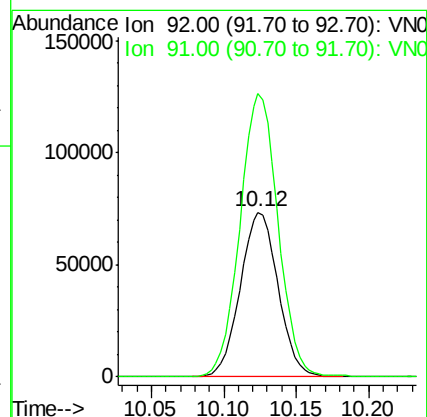
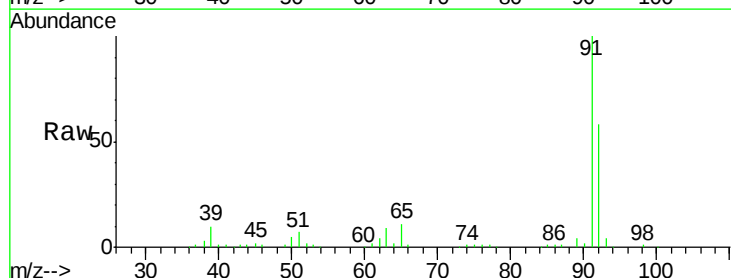
Acq: 2 Jul 2020 1:08

Tgt Ion: 92 Resp: 133383

Ion Ratio Lower Upper

92 100

91 173.4 137.4 206.0





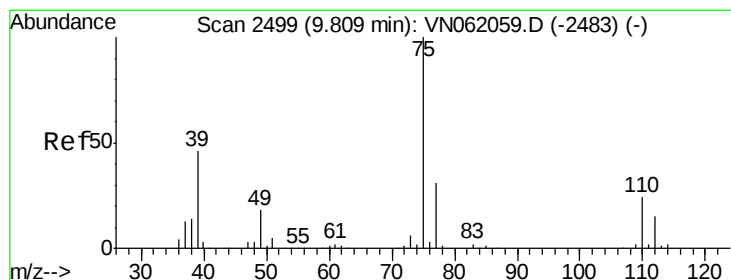
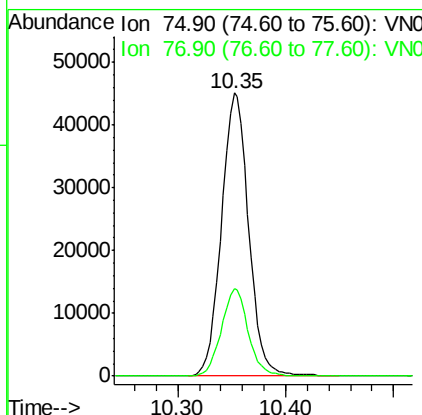
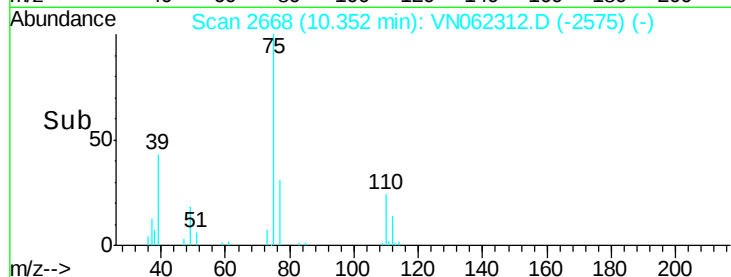
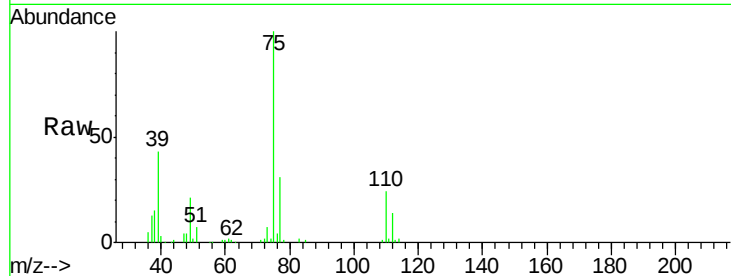
#53
t-1,3-Dichloropropene
Concen: 19.467 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

Tot Ion: 75 Resp: 79032
Ion Ratio Lower Upper
75 100
77 31.0 25.5 38.3

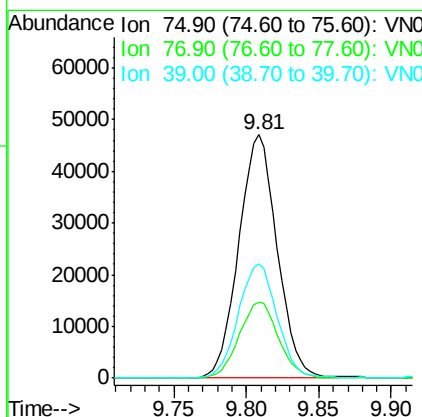
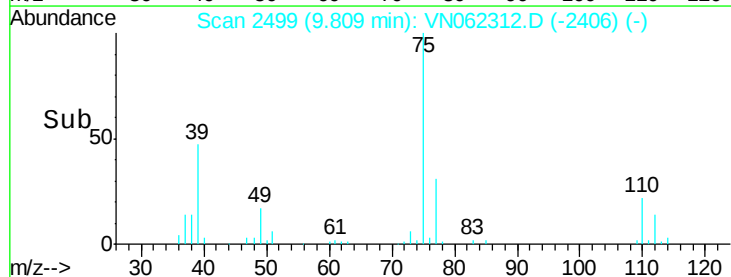
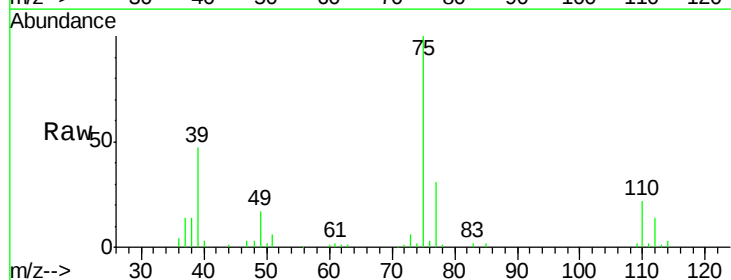
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#54
cis-1,3-Dichloropropene
Concen: 20.030 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion: 75 Resp: 86575
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.6
39 46.9 36.9 55.3





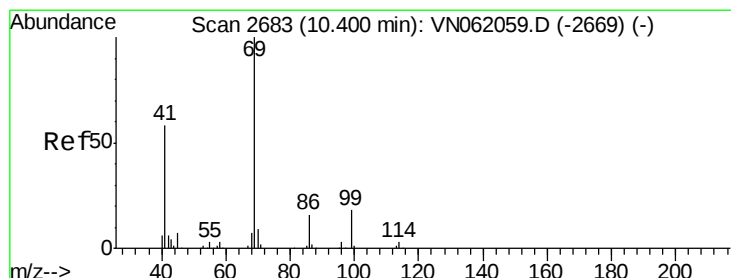
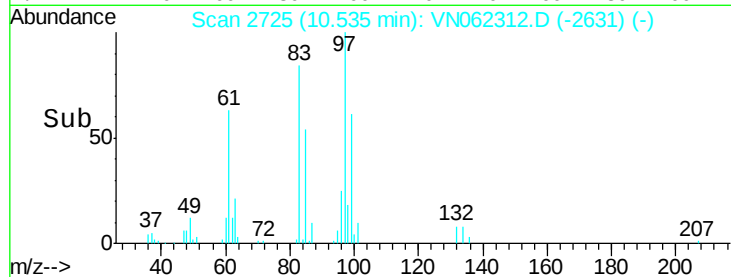
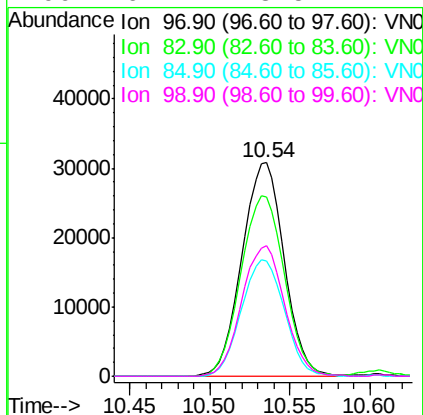
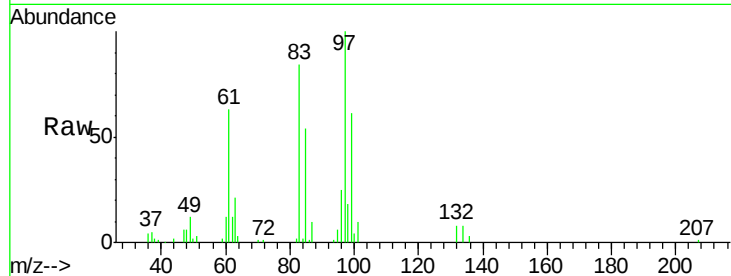
#55
 1,1,2-Trichloroethane
 Concen: 21.176 ug/l
 RT: 10.54 min Scan# 2725
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.8	68.2	102.2
85	54.0	43.2	64.8
99	61.1	48.5	72.7

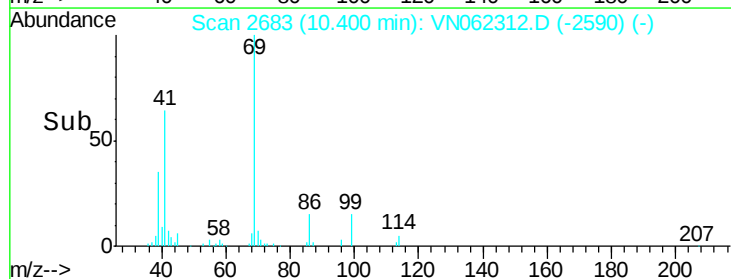
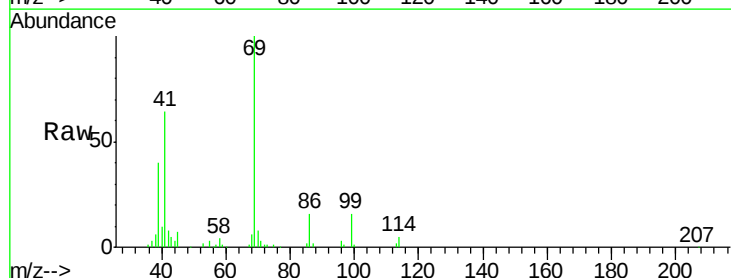
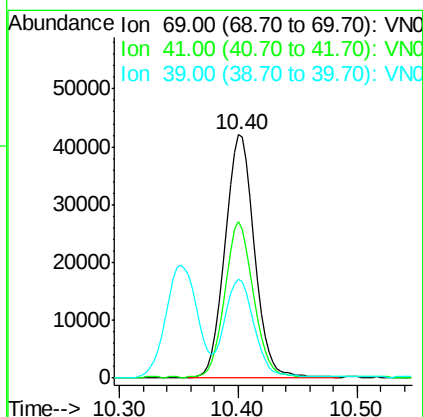
Manual Integrations
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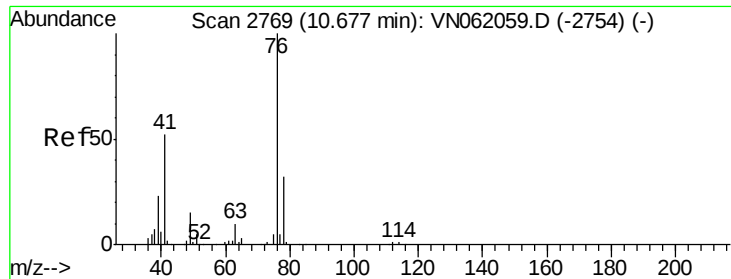
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 7/2/2020 12:31:10 PM



#56
 Ethyl methacrylate
 Concen: 20.710 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.6	46.6	70.0
39	40.3	31.0	46.4





#57

1,3-Dichloropropane

Concen: 21.043 ug/l

RT: 10.68 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

ClientSampled :

VN0701WBS02

Tot Ion: 76 Resp: 94915

Ion Ratio Lower Upper

76 100

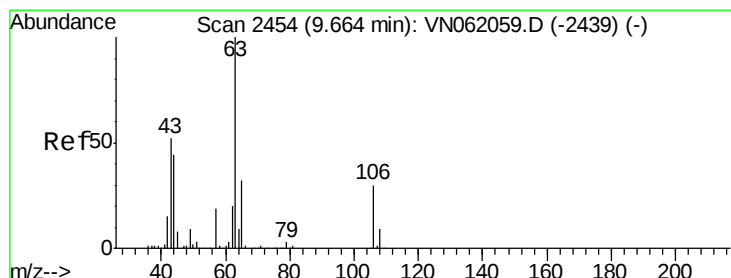
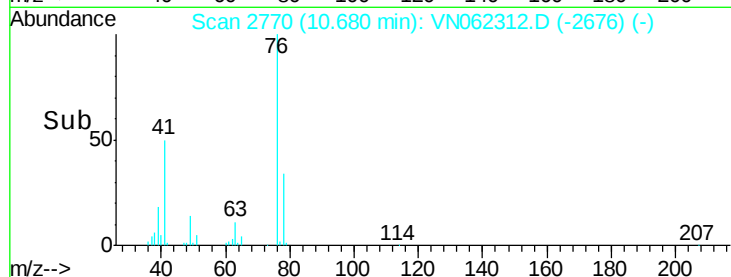
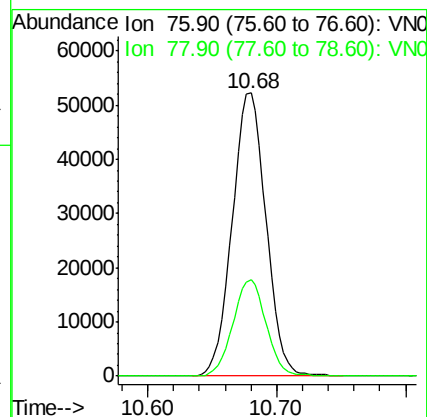
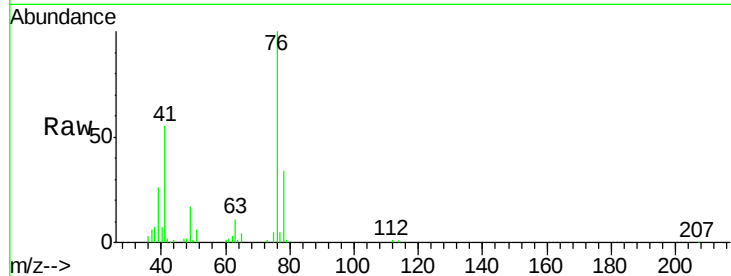
78 33.5 25.8 38.8

Manual Integrations

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7/2/2020 12:31:10 PM



#58

2-Chloroethyl Vinyl ether

Concen: 94.096 ug/l

RT: 9.66 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VN062312.D

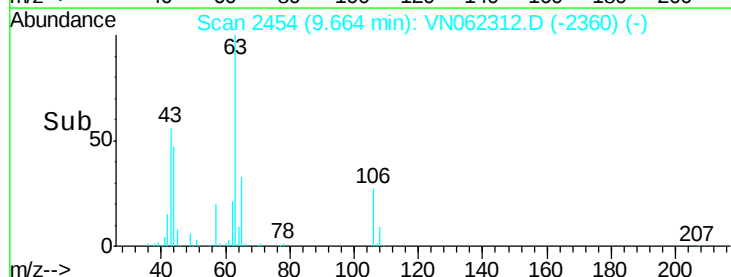
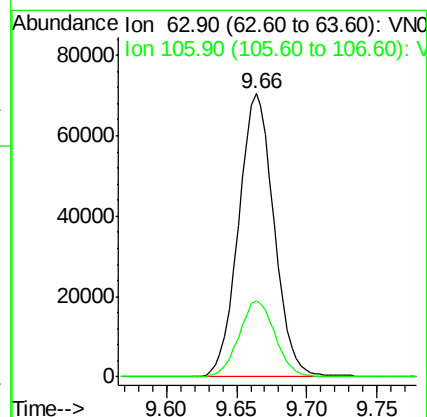
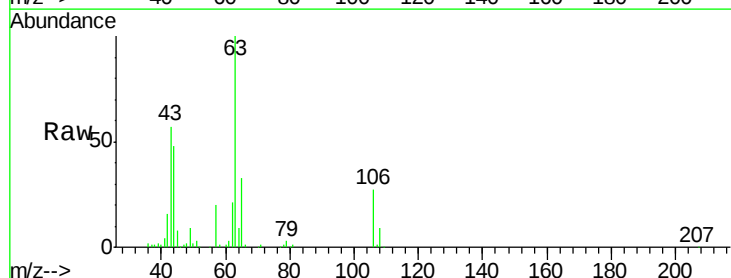
Acq: 2 Jul 2020 1:08

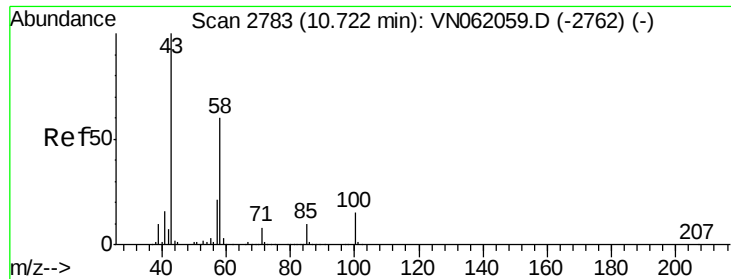
Tgt Ion: 63 Resp: 124122

Ion Ratio Lower Upper

63 100

106 27.6 23.2 34.8





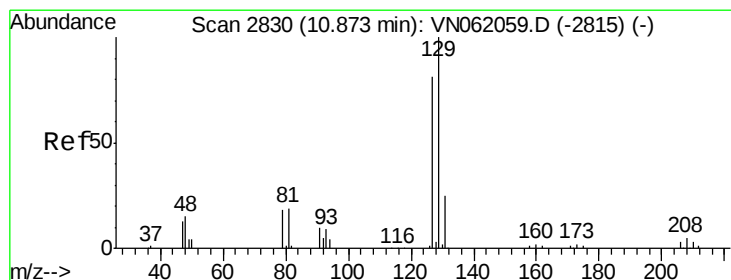
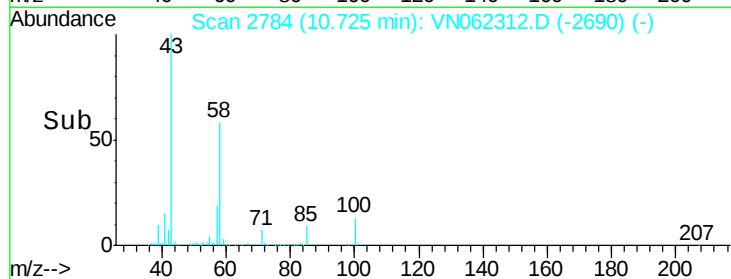
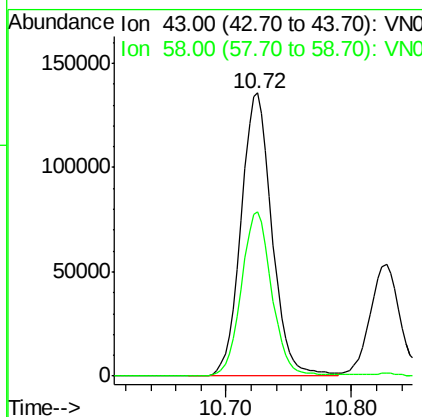
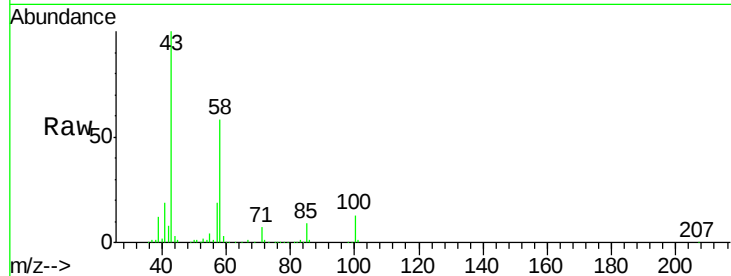
#59
2-Hexanone
Concen: 114.216 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS02

Tot Ion	43	Resp	233164
Ion Ratio	43	100	
Lower	58	56.9	29.5
Upper			88.5

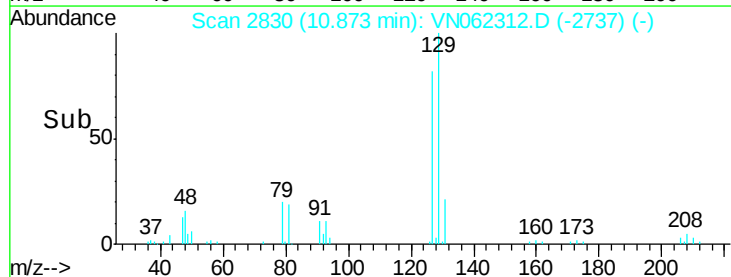
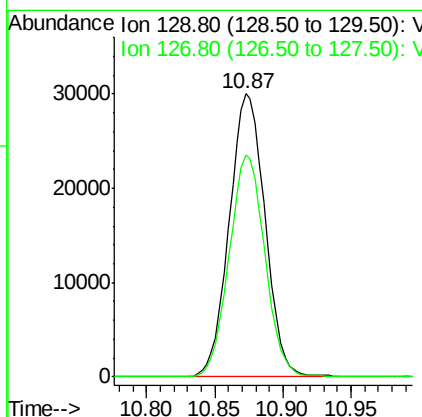
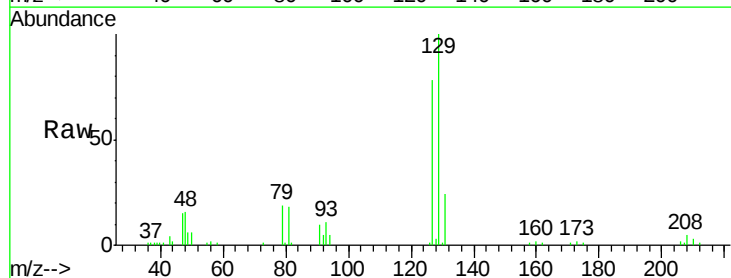
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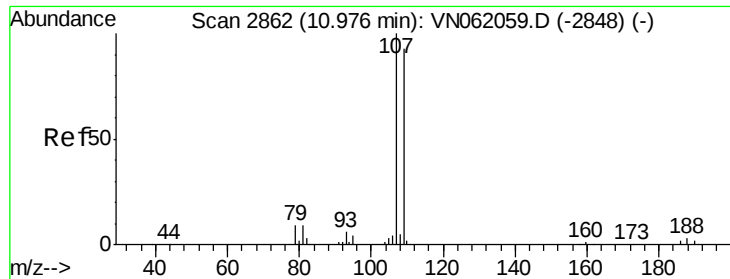
MMDadoda
7/2/2020 12:31:10 PM



#60
Dibromochloromethane
Concen: 19.698 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion	129	Resp	54650
Ion Ratio	129	100	
Lower	127	78.2	39.5
Upper			118.5





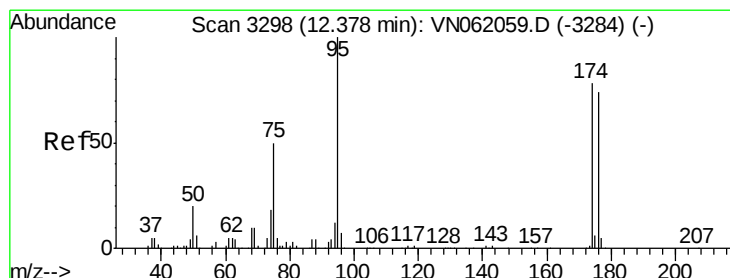
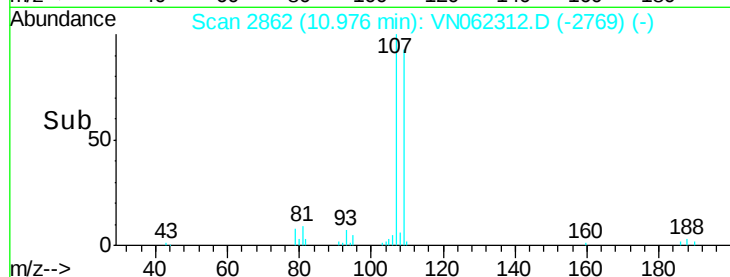
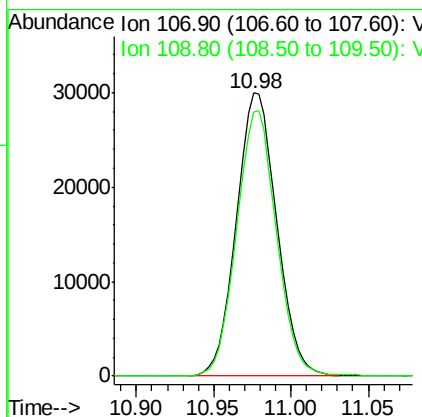
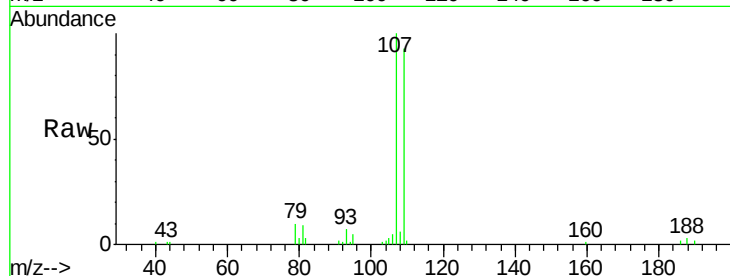
#61
 1,2-Dibromoethane
 Concen: 20.144 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS02

Tot Ion: 107 Resp: 54241
 Ion Ratio Lower Upper
 107 100
 109 92.6 75.0 112.6

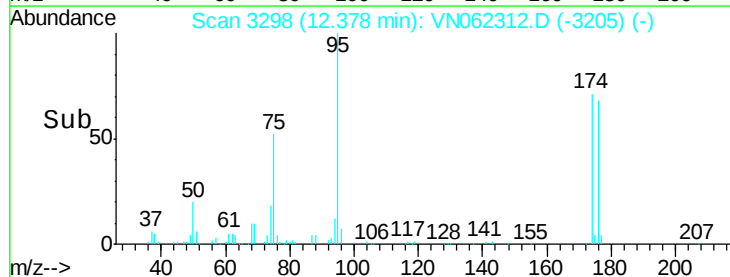
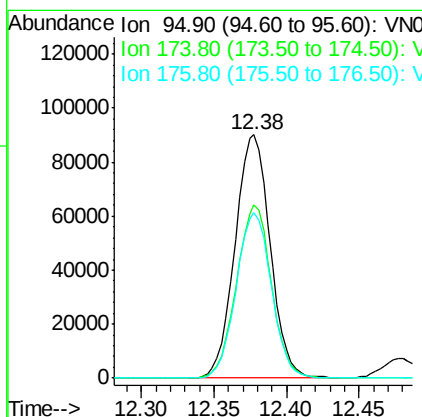
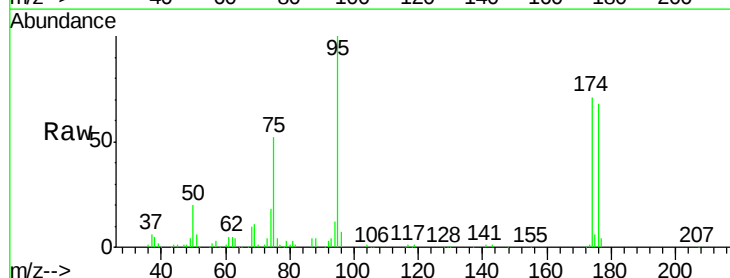
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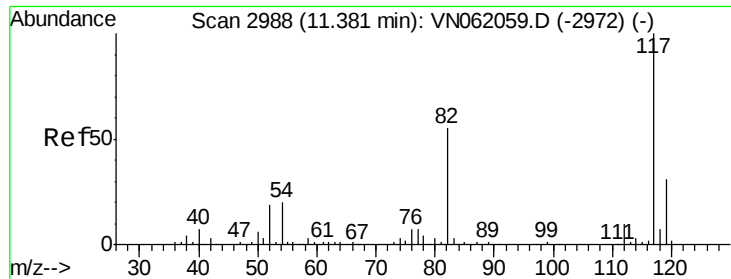
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 7/2/2020 12:31:10 PM



#62
 4-Bromofluorobenzene
 Concen: 49.024 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Tgt Ion: 95 Resp: 151479
 Ion Ratio Lower Upper
 95 100
 174 70.9 0.0 154.8
 176 68.0 0.0 147.4





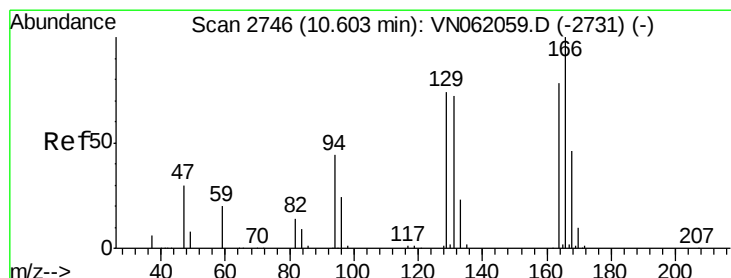
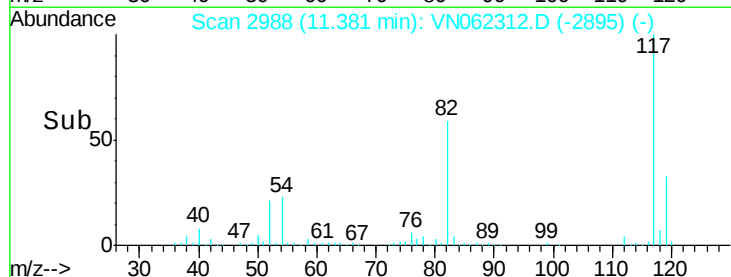
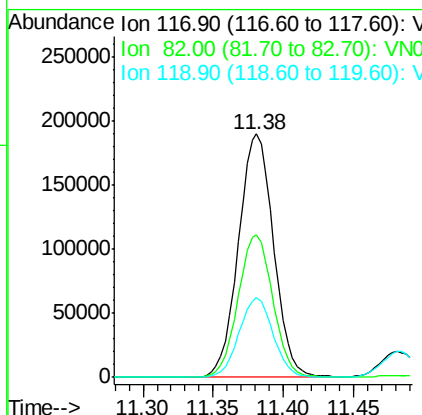
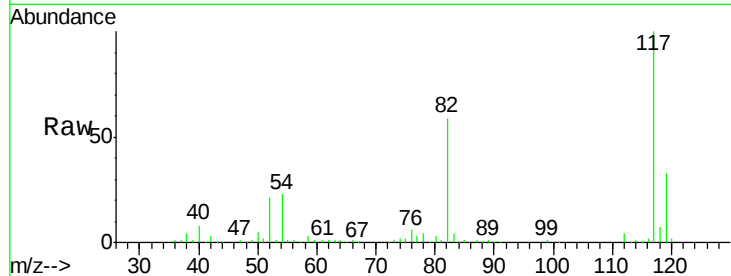
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	43.8	65.8
119	32.7	25.2	37.8

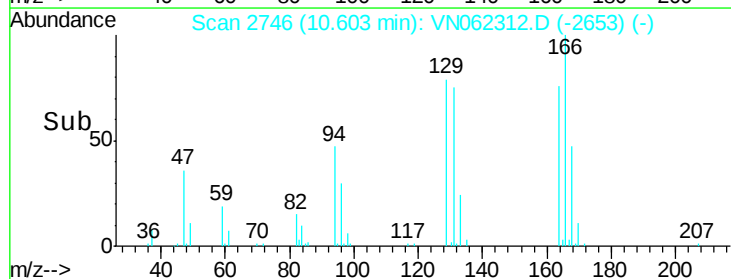
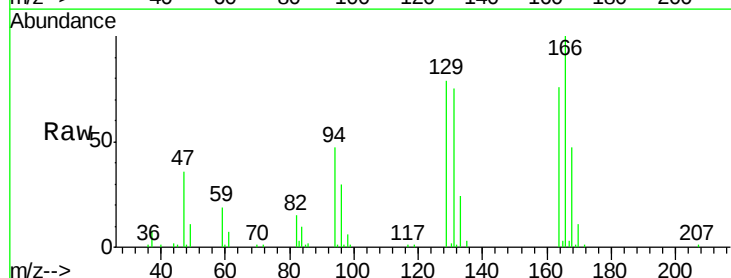
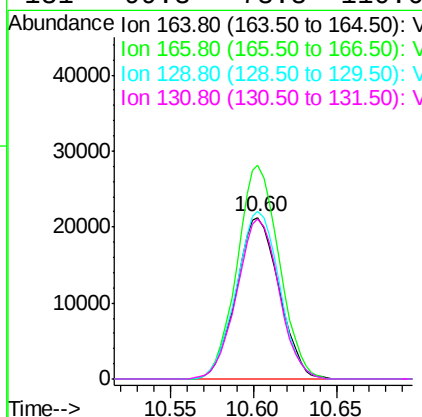
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#64
Tetrachloroethene
Concen: 16.891 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	102.9	154.3
129	104.0	75.8	113.8
131	99.3	73.8	110.6





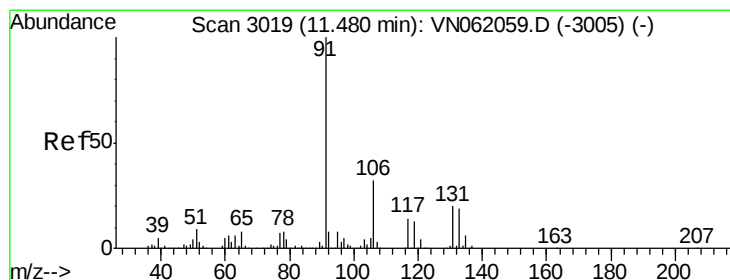
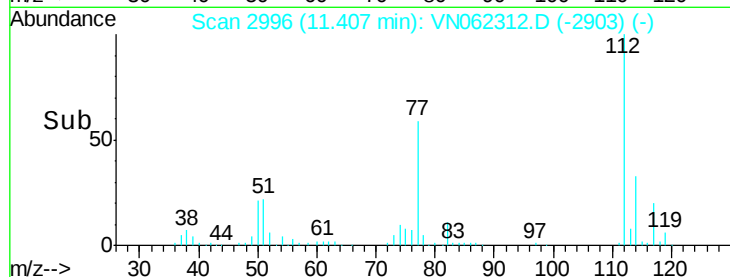
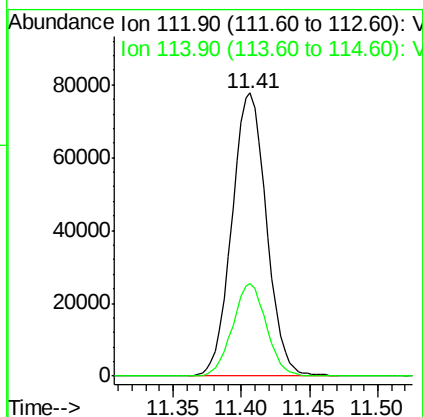
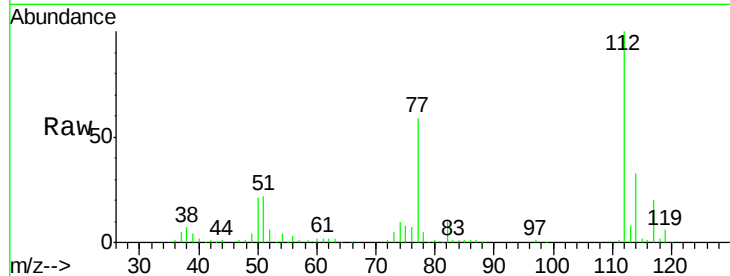
#65
Chlorobenzene
Concen: 18.797 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

Tot Ion:112 Resp: 136966
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8

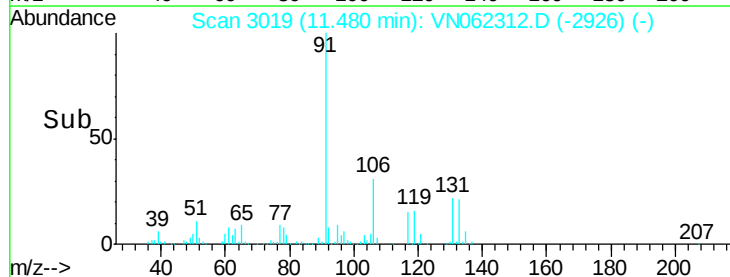
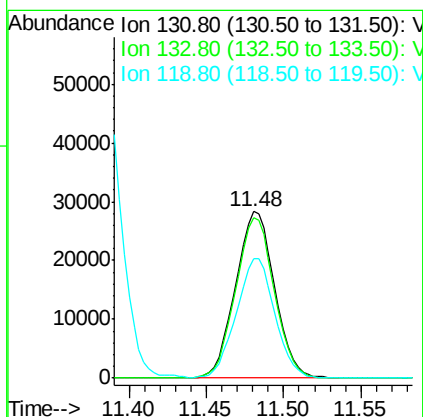
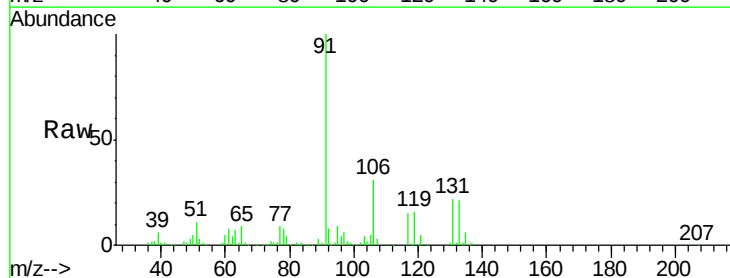
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.743 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion:131 Resp: 49746
Ion Ratio Lower Upper
131 100
133 95.0 47.6 142.9
119 70.9 34.4 103.3





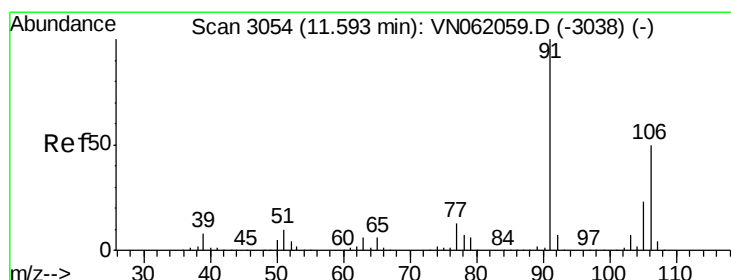
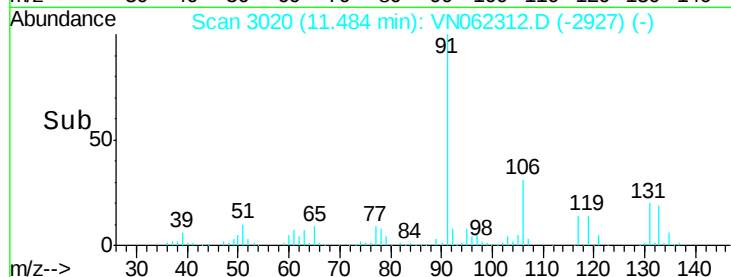
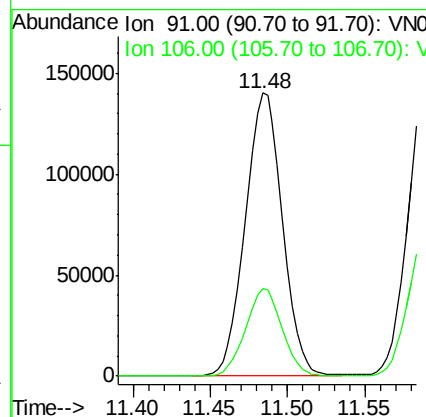
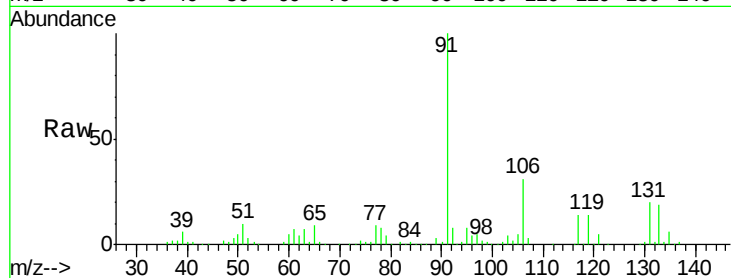
#67
Ethyl Benzene
Concen: 19.086 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

Tot Ion: 91 Resp: 234880
Ion Ratio Lower Upper
91 100
106 31.1 25.3 37.9

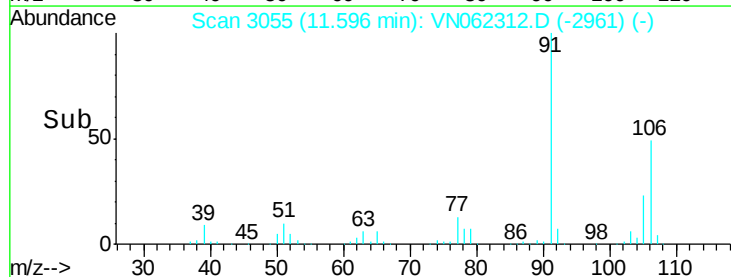
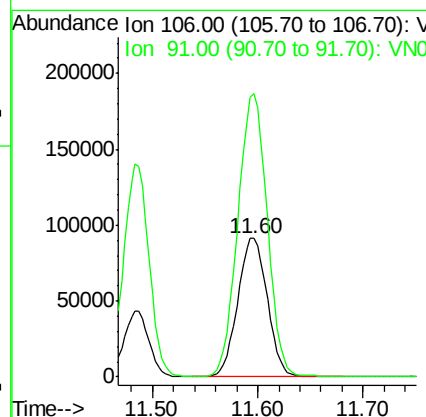
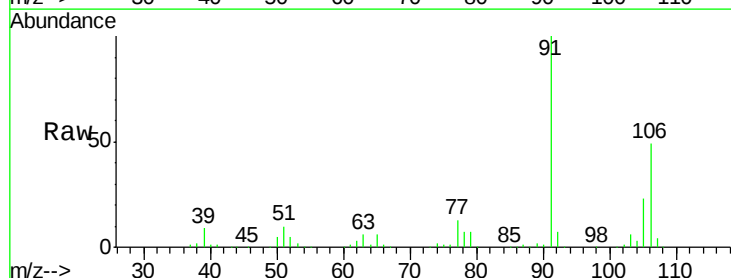
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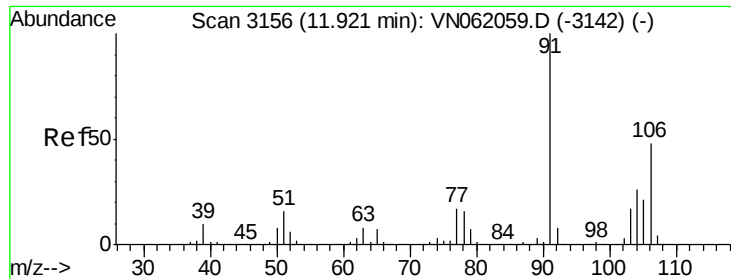
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#68
m/p-Xylenes
Concen: 37.315 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion: 106 Resp: 177612
Ion Ratio Lower Upper
106 100
91 202.2 157.8 236.8





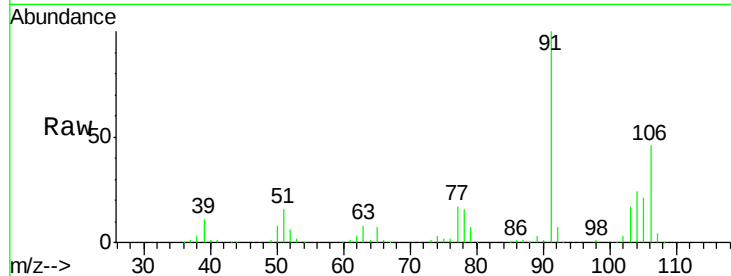
#69
o-Xylene
Concen: 19.073 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

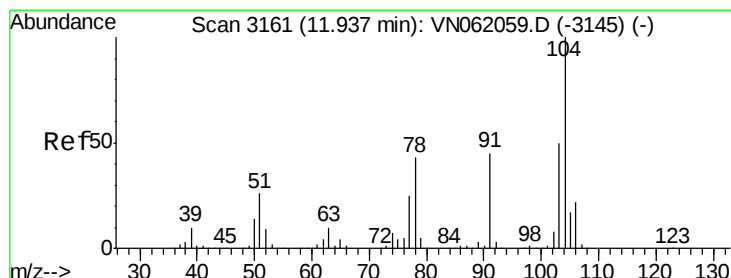
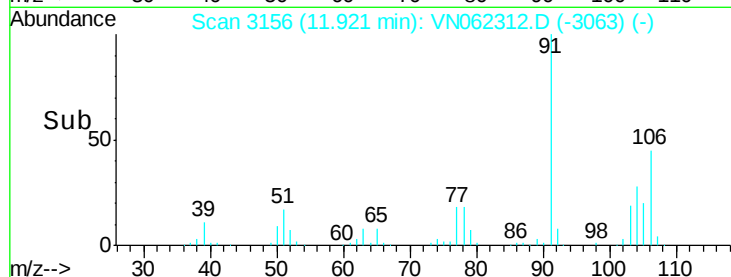
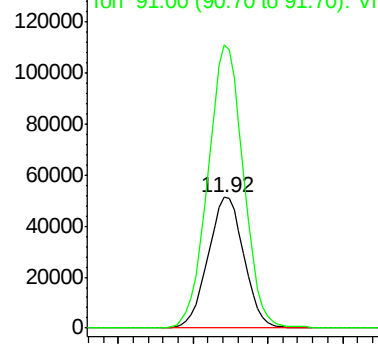
Tot Ion:106 Resp: 85655
Ion Ratio Lower Upper
106 100
91 214.4 104.0 311.9

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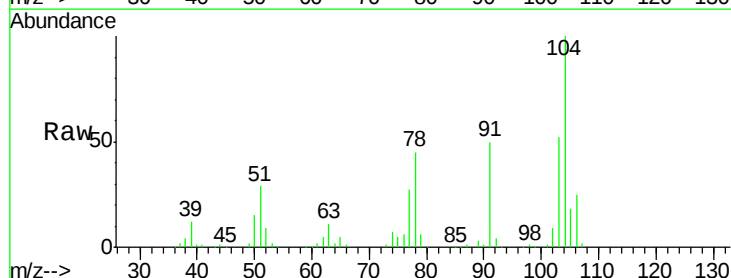


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

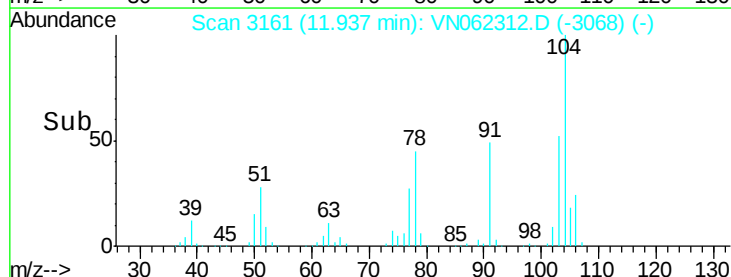
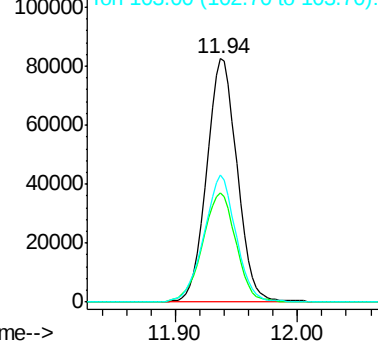


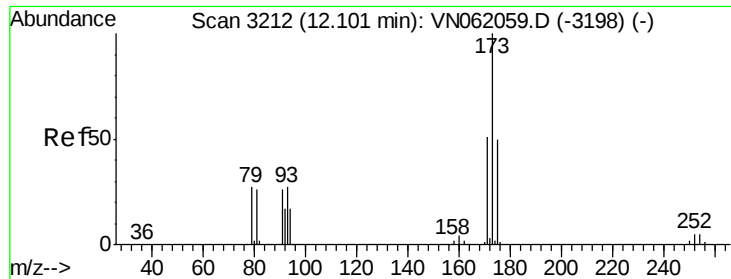
#70
Styrene
Concen: 19.107 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion:104 Resp: 143103
Ion Ratio Lower Upper
104 100
78 49.4 37.7 56.5
103 55.0 43.0 64.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





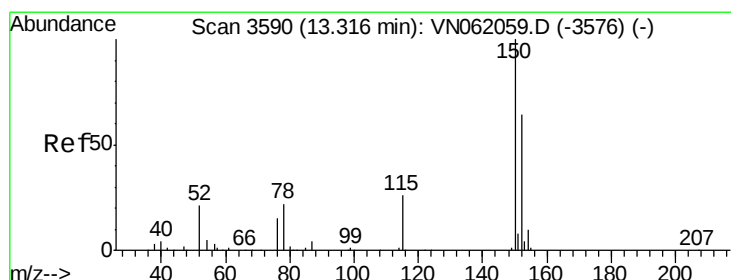
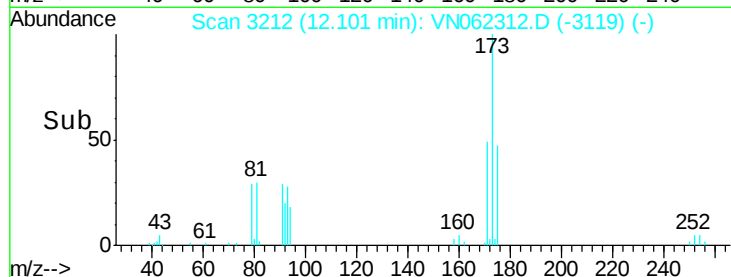
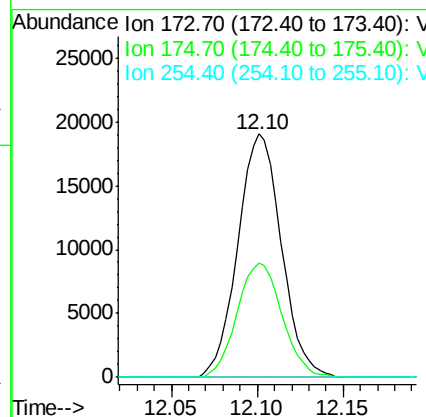
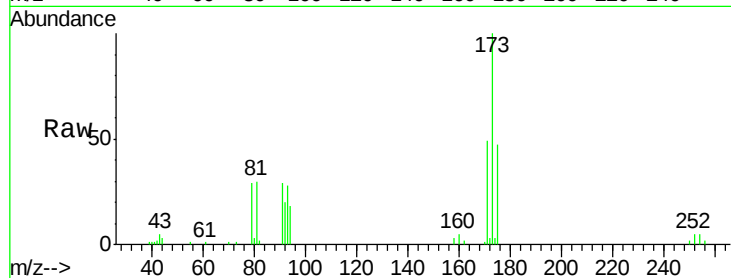
#71
Bromoform
Concen: 18.737 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

Tot Ion:173 Resp: 33567
Ion Ratio Lower Upper
173 100
175 48.5 24.7 74.1
254 0.0 0.0 0.0

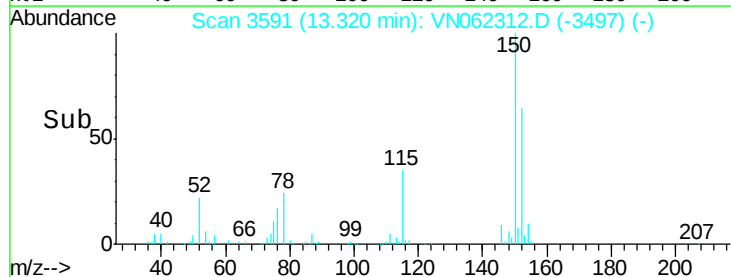
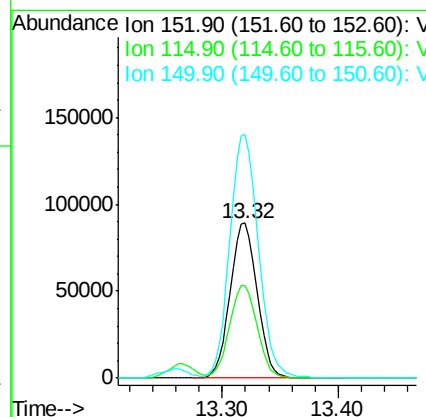
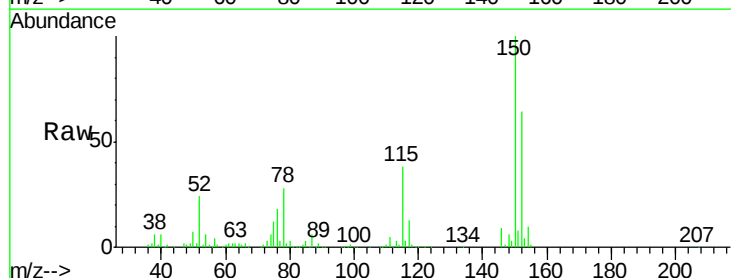
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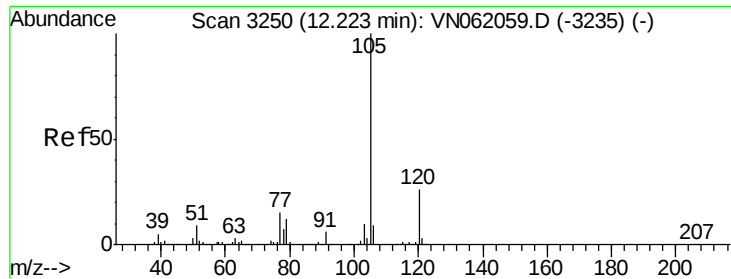
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion:152 Resp: 143926
Ion Ratio Lower Upper
152 100
115 60.8 29.5 88.5
150 165.3 0.0 351.4





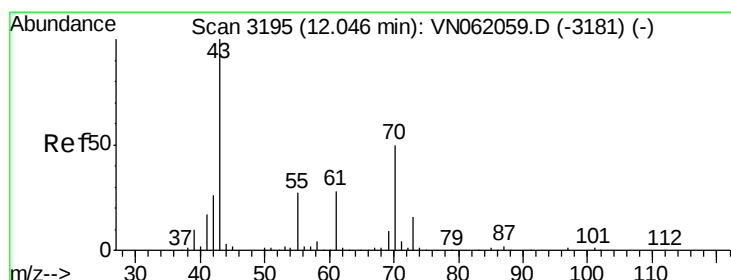
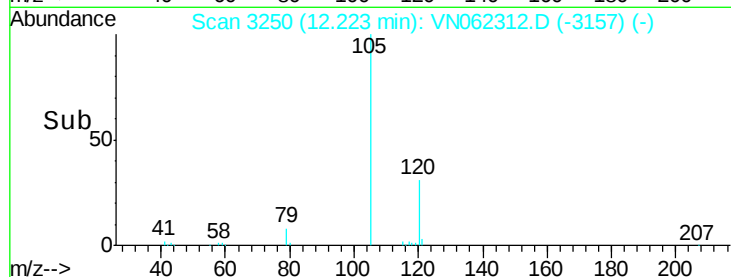
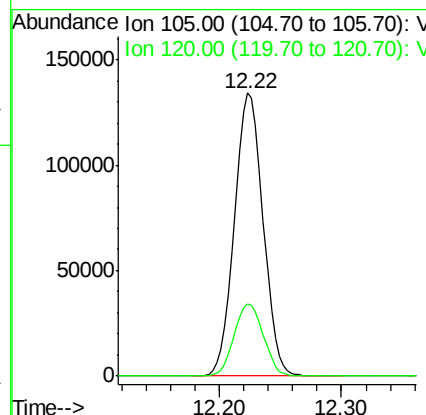
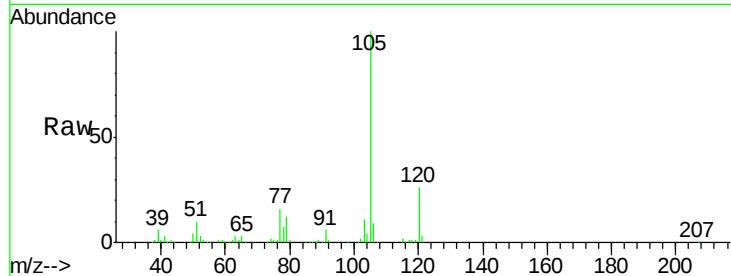
#73
Isopropylbenzene
Concen: 19.748 ug/l
RT: 12.22 min Scan# 3250
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.6

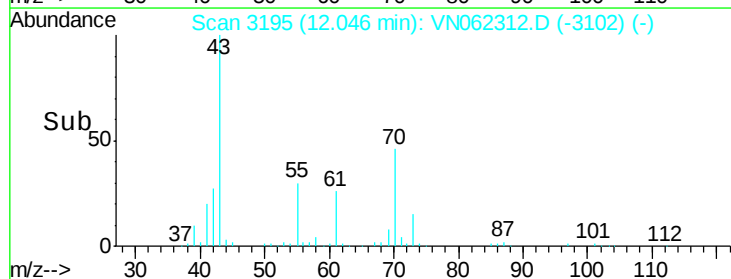
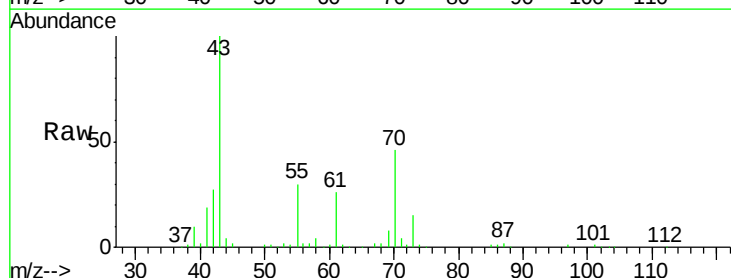
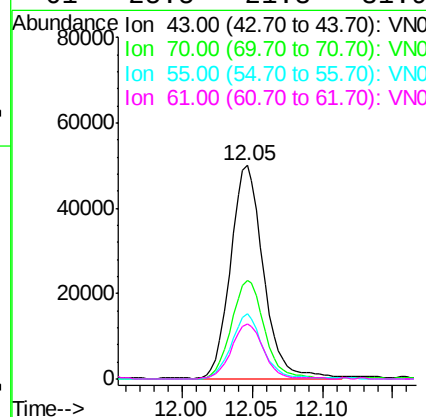
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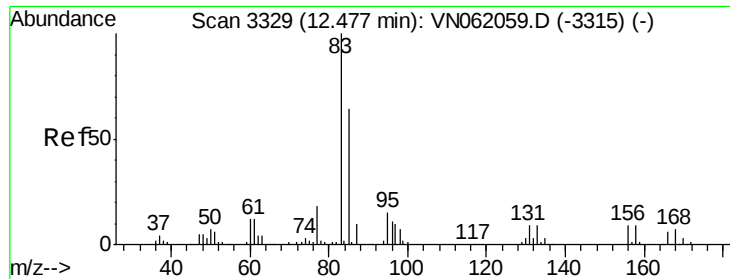
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#74
N-ethyl acetate
Concen: 21.838 ug/l
RT: 12.05 min Scan# 3195
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
43	100		
70	46.6	39.4	59.2
55	29.8	21.7	32.5
61	25.5	21.3	31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.630 ug/l

RT: 12.48 min Scan# 3329

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

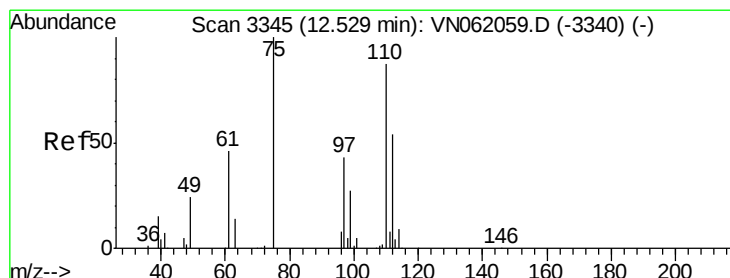
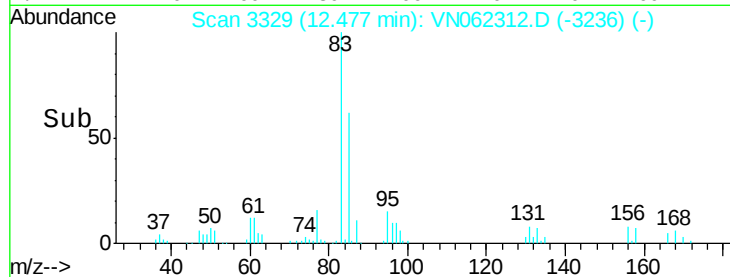
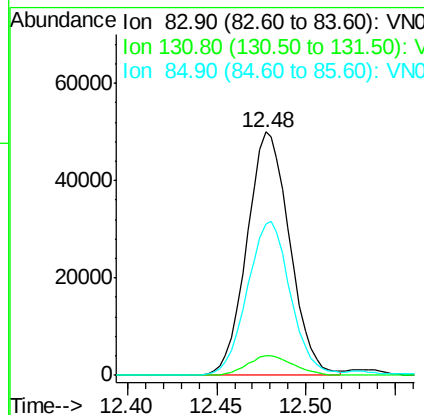
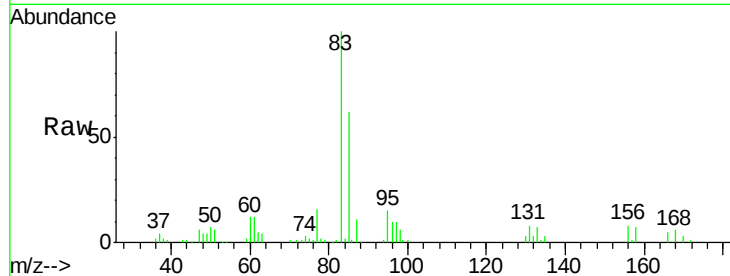
ClientSampled :

VN0701WBS02

Tot Ion:	83	Resp:	83900
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.8	14.4
85	63.6	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.456 ug/l m

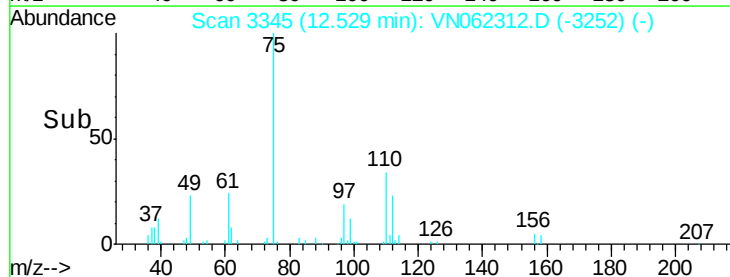
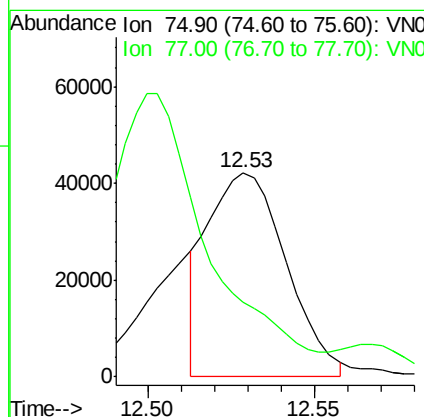
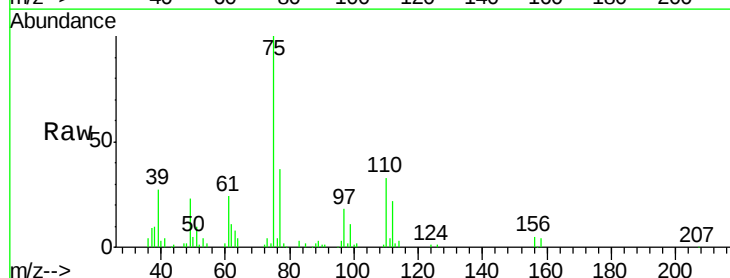
RT: 12.53 min Scan# 3345

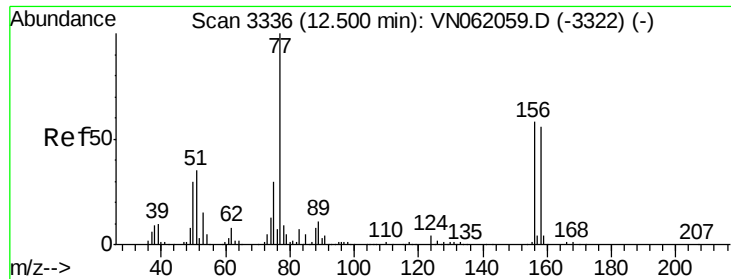
Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Tgt Ion:	75	Resp:	69307
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.926 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

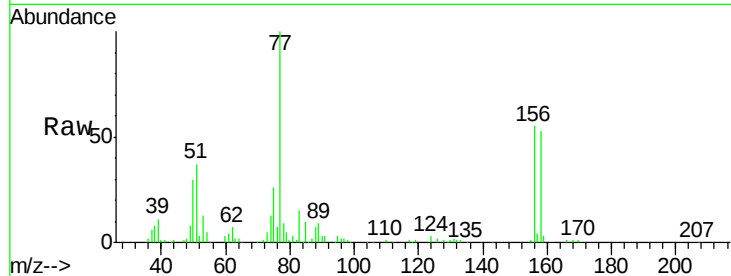
ClientSampleId :

VN0701WBS02

Tot Ion:	156	Resp:	55114
Ion Ratio	Lower	Upper	
156	100		
77	226.4	104.6	313.8
158	95.9	48.0	144.0

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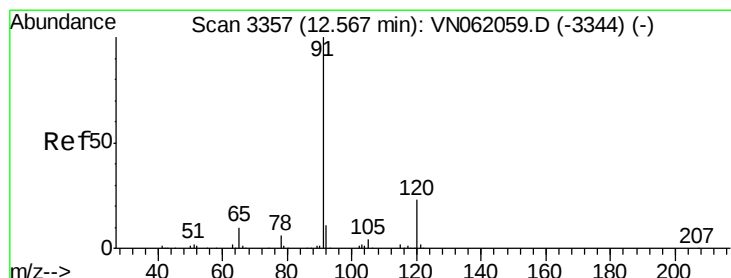
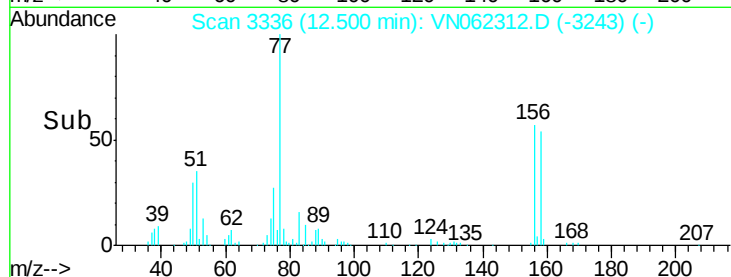
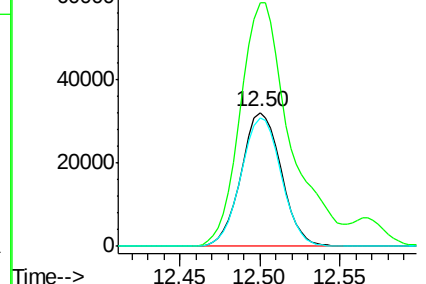
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.031 ug/l

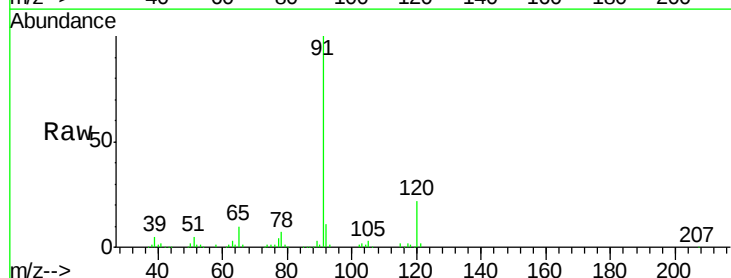
RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062312.D

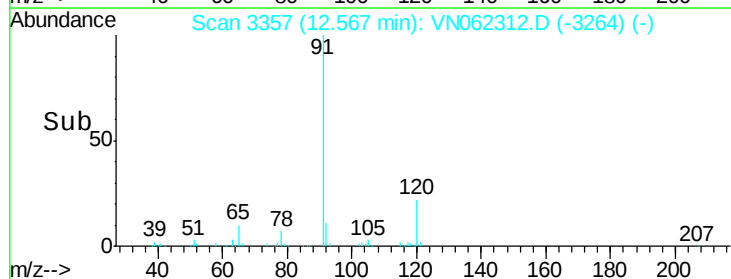
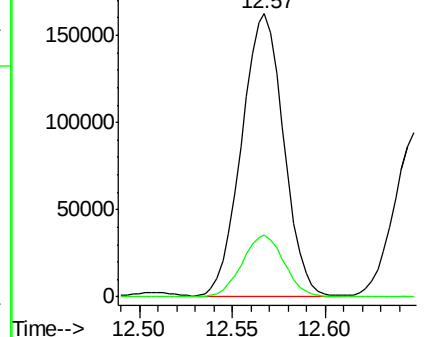
Acq: 2 Jul 2020 1:08

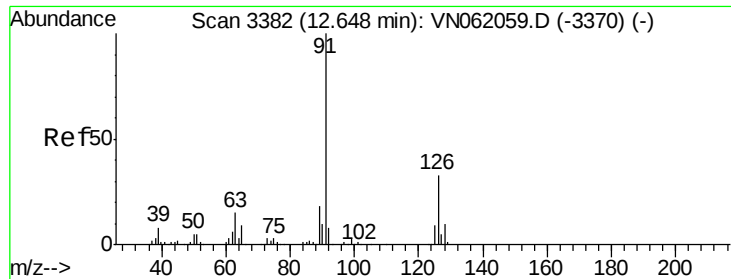
Tgt Ion:	91	Resp:	255266
Ion Ratio	Lower	Upper	
91	100		
120	21.8	11.4	34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





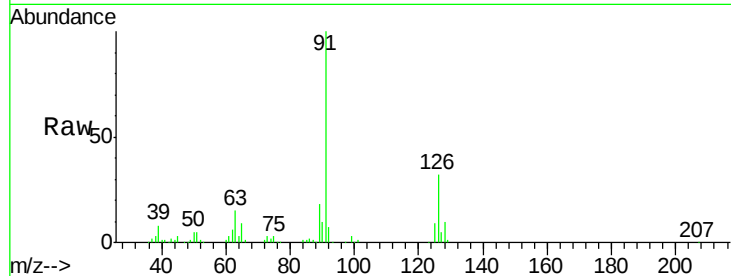
#79
 2-Chlorotoluene
 Concen: 20.546 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701WBS02

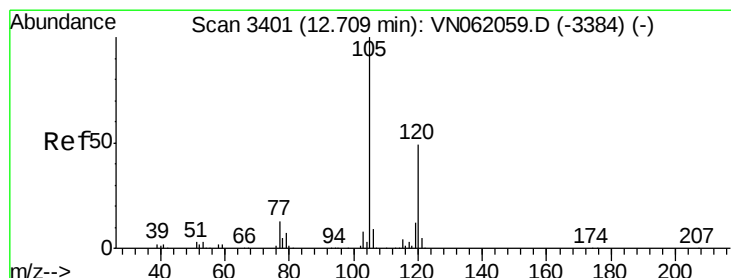
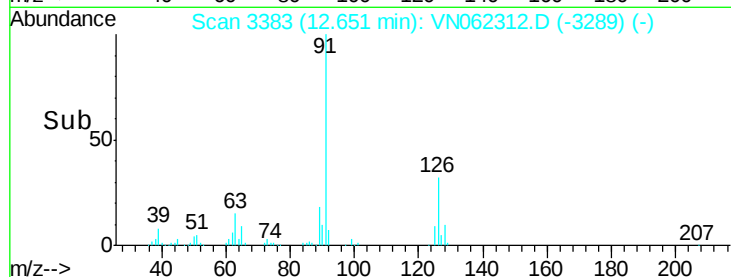
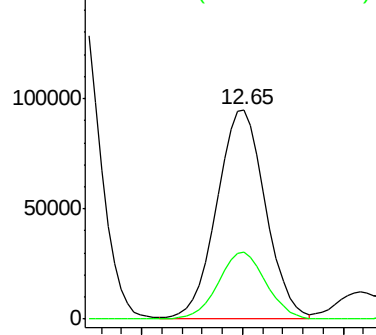
Tot Ion: 91 Resp: 158292
 Ion Ratio Lower Upper
 91 100
 126 31.7 16.9 50.7

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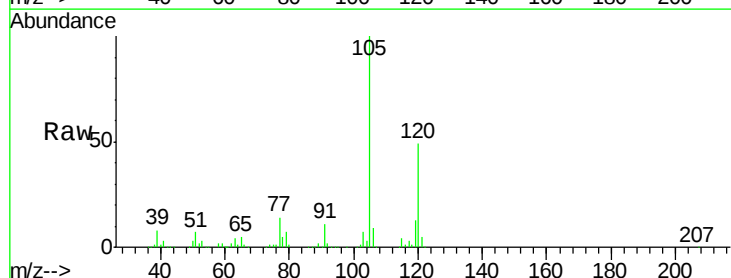


Abundance Ion 91.00 (90.70 to 91.70): VN062312.D (-3383) (-)
 Ion 125.90 (125.60 to 126.60): VN062312.D (-3383) (-)

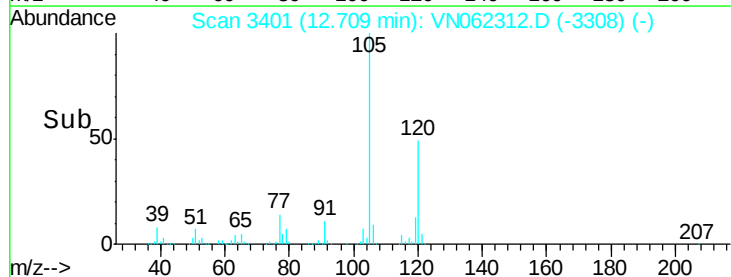
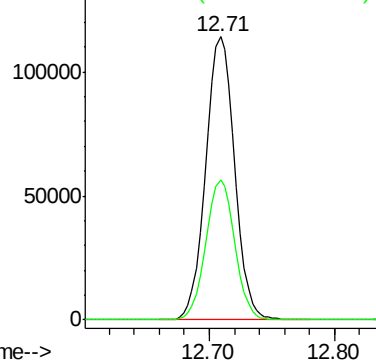


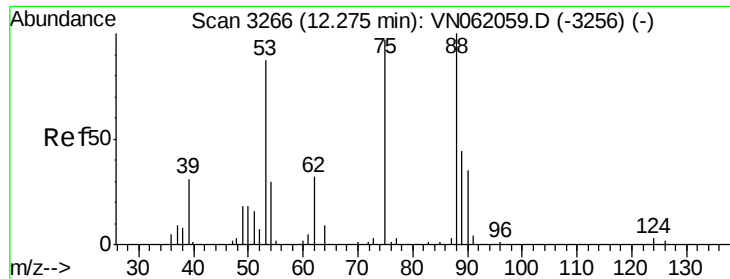
#80
 1,3,5-Trimethylbenzene
 Concen: 20.255 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Tgt Ion: 105 Resp: 182934
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN062312.D (-3384) (-)
 Ion 120.00 (119.70 to 120.70): VN062312.D (-3384) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.042 ug/l

RT: 12.27 min Scan# 3266

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBS02

Tot Ion: 75 Resp: 22092

Ion Ratio Lower Upper

75 100

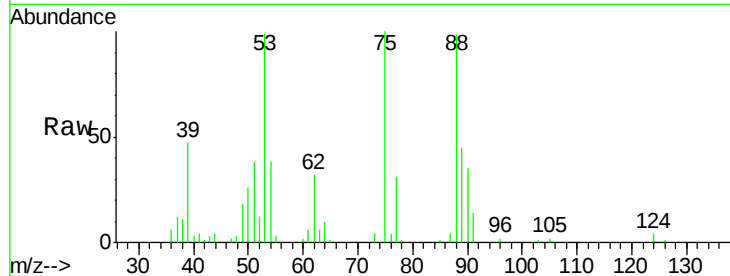
53 100.5 72.0 108.0

89 42.7 36.9 55.3

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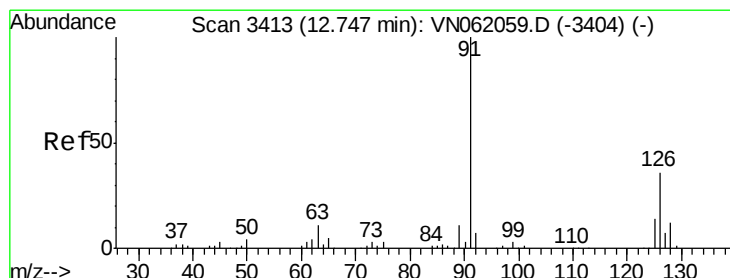
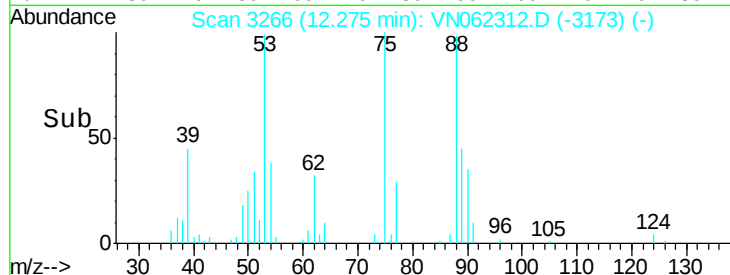
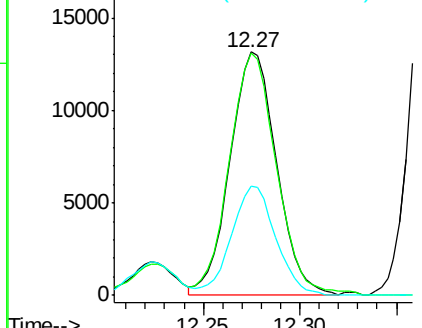
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Abundance Ion 74.90 (74.60 to 75.60): VN062312.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062312.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062312.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 20.108 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062312.D

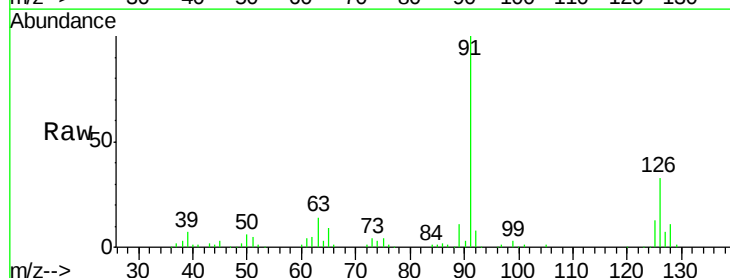
Acq: 2 Jul 2020 1:08

Tgt Ion: 91 Resp: 160198

Ion Ratio Lower Upper

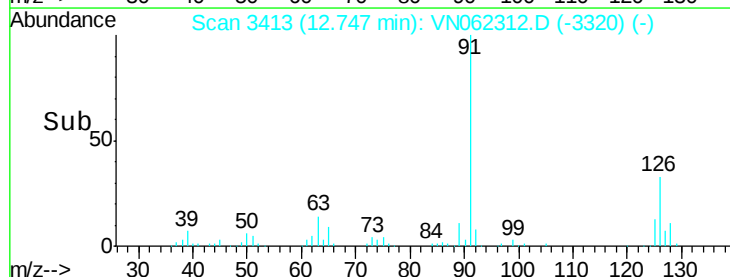
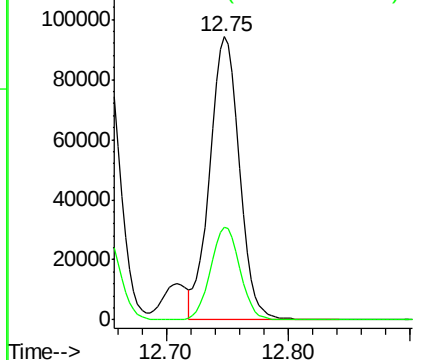
91 100

126 32.6 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN062312.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN062312.D (-3320) (-)





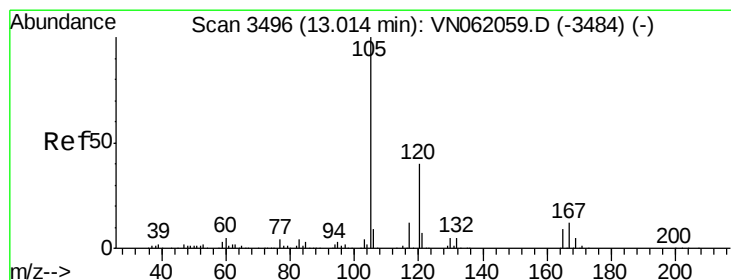
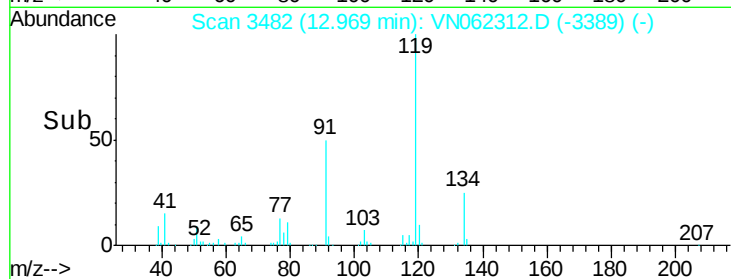
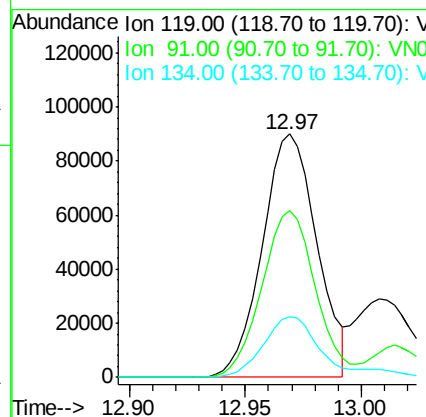
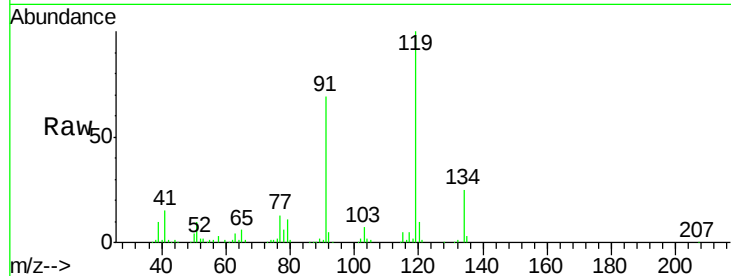
#83
tert-Butylbenzene
Concen: 19.086 ug/l
RT: 12.97 min Scan# 3482
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.6	31.7	95.1
134	27.4	13.1	39.1

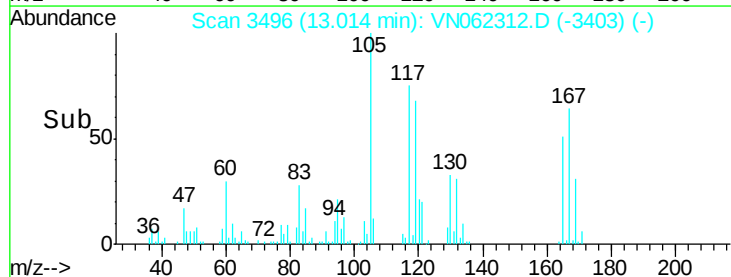
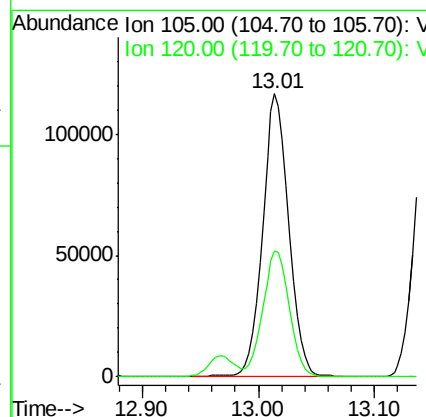
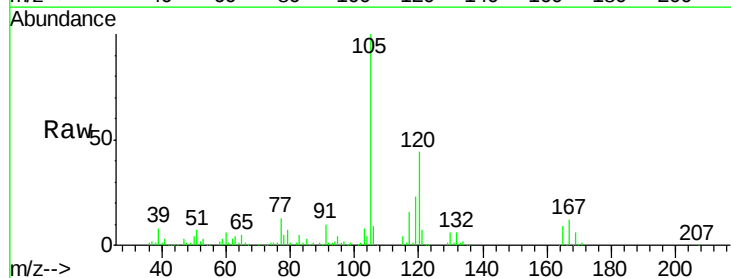
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#84
1,2,4-Trimethylbenzene
Concen: 20.279 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	23.2	69.5





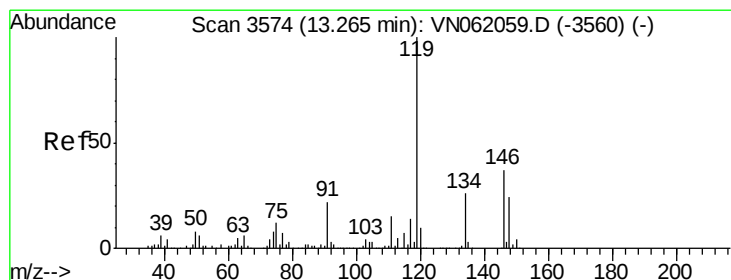
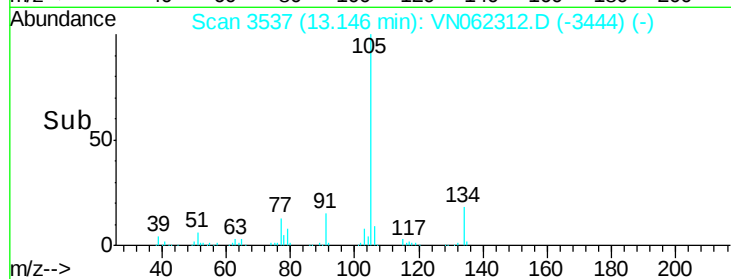
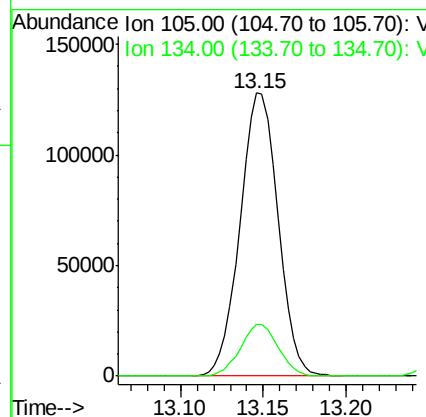
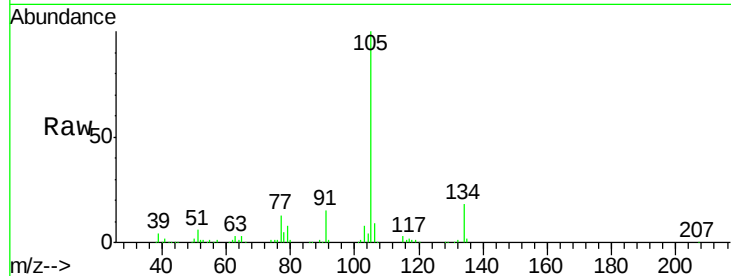
#85
 sec-Butylbenzene
 Concen: 20.022 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	204485		
134	18.3	9.7	29.1	

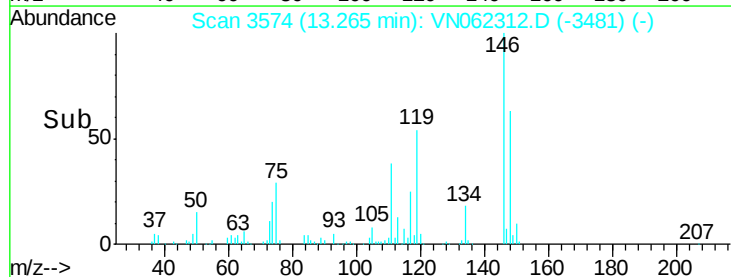
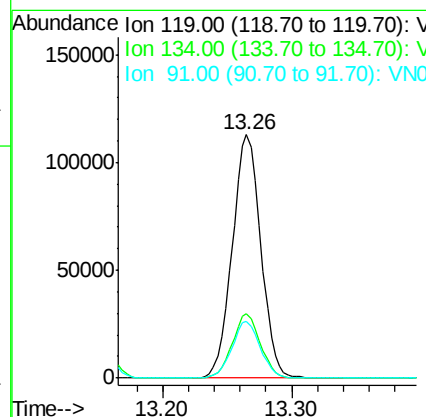
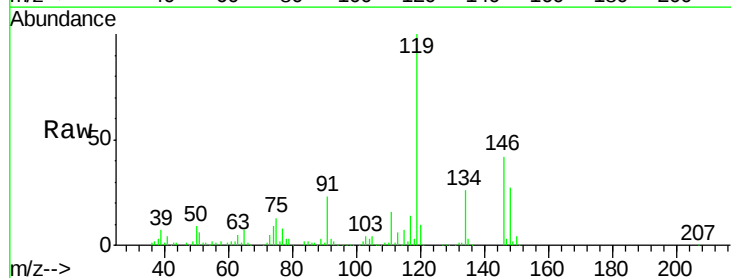
Manual Integrations
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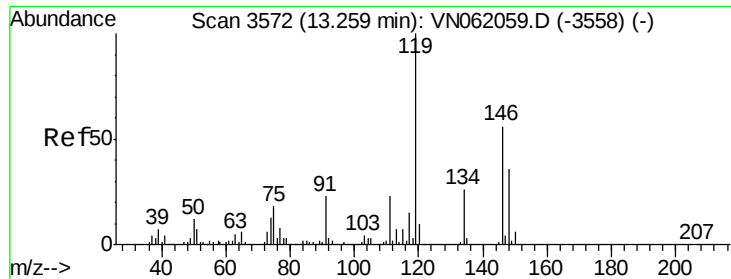
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#86
 p-Isopropyltoluene
 Concen: 19.408 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	173660		
134	25.7	13.0	39.0	
91	23.1	11.3	33.8	





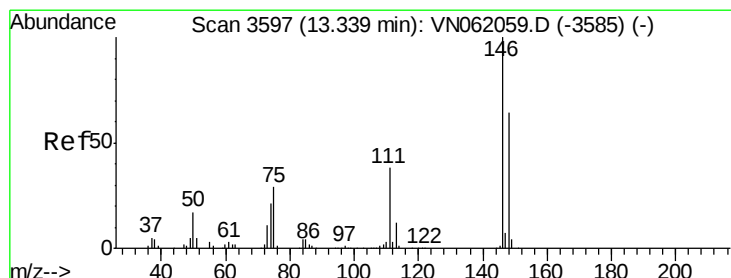
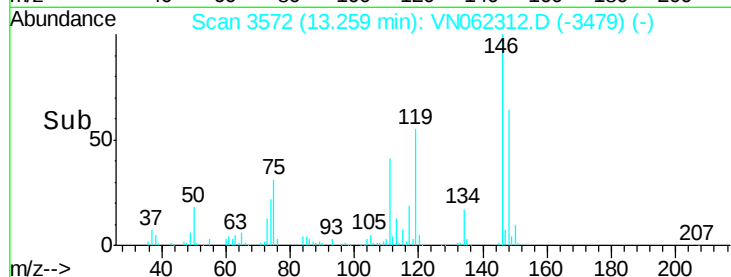
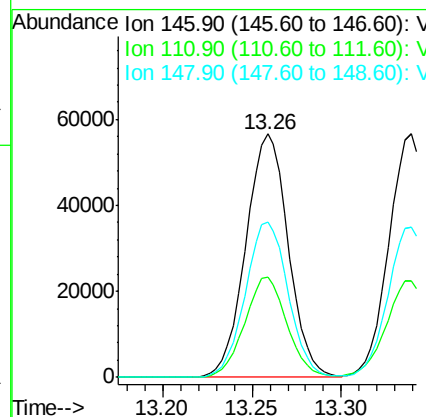
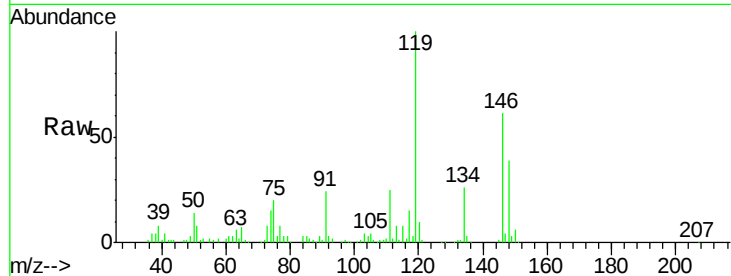
#87
 1,3-Dichlorobenzene
 Concen: 19.310 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	61.0
148	64.7	31.8	95.3

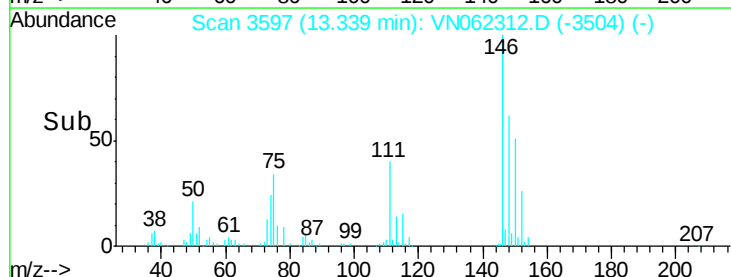
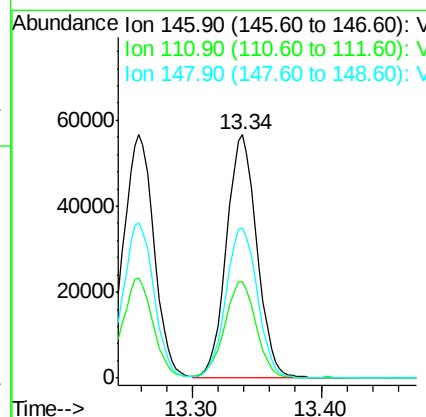
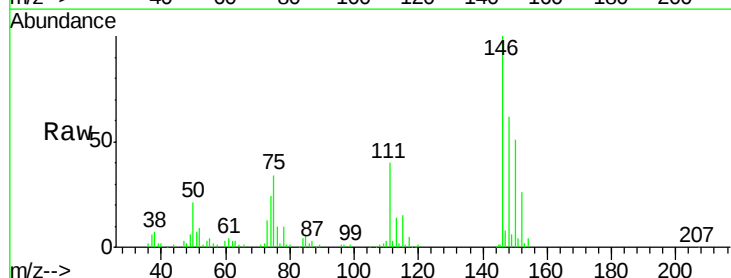
Manual Integrations
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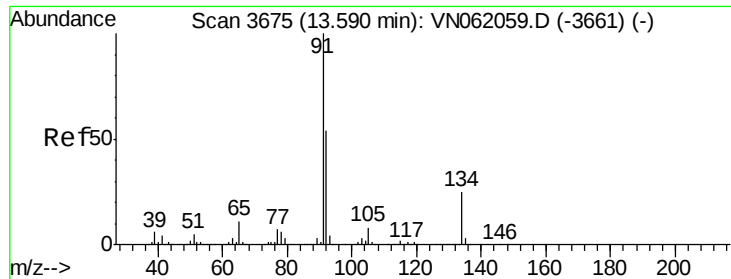
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#88
 1,4-Dichlorobenzene
 Concen: 18.510 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	19.9	59.6
148	63.4	31.9	95.9





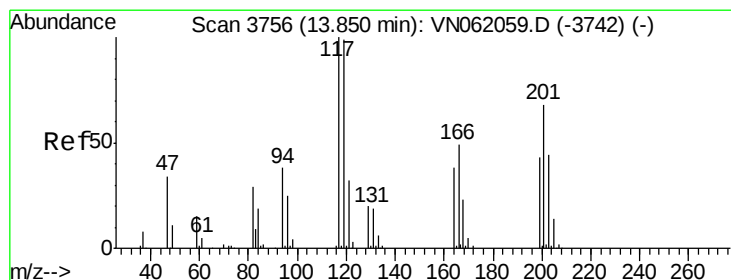
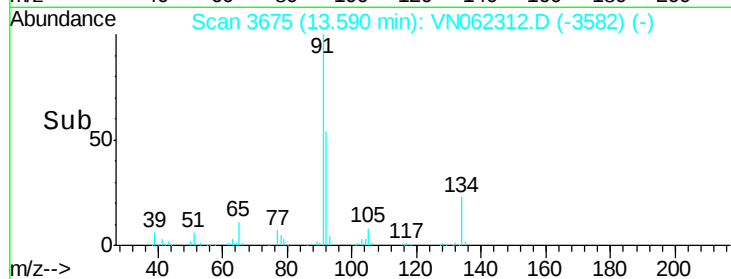
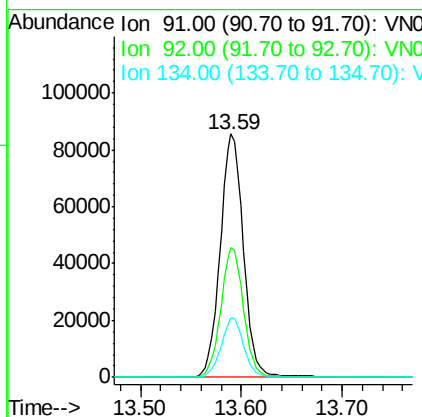
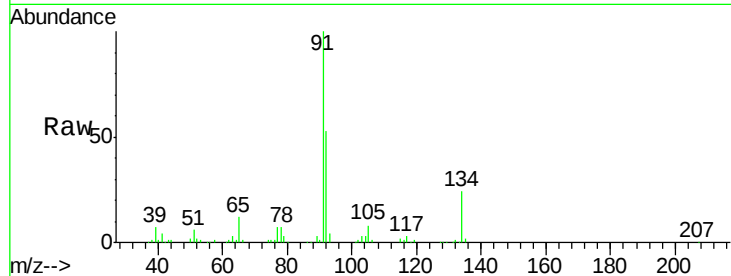
#89
n-Butylbenzene
Concen: 18.468 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Instrument :
MSVOA_N
ClientSampled :
VN0701WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.6	79.7
134	23.8	12.3	36.9

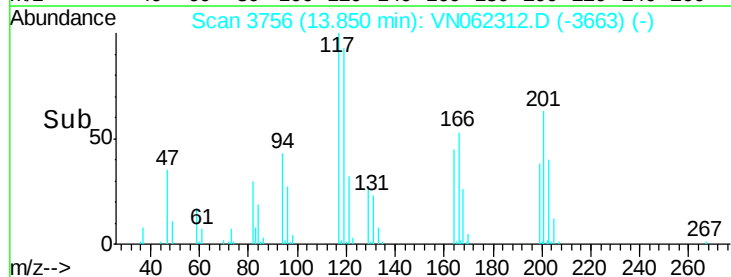
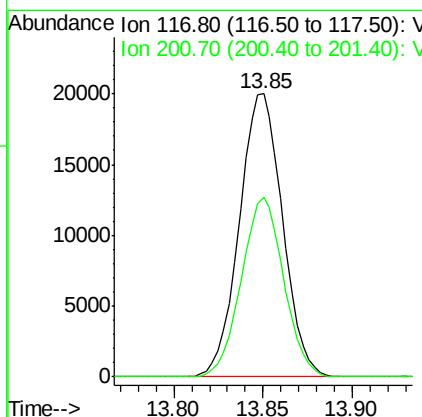
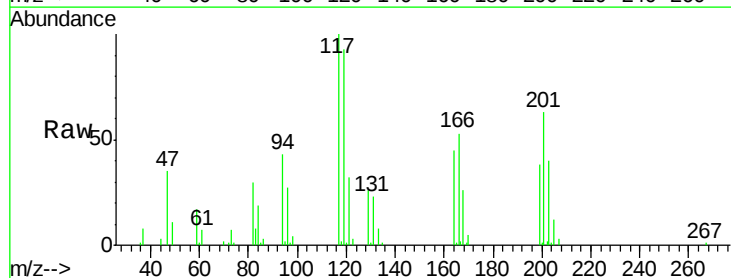
Manual Integrations
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#90
Hexachloroethane
Concen: 19.290 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062312.D
Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.9	32.7	98.1





#91

1,2-Dichlorobenzene

Concen: 19.286 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

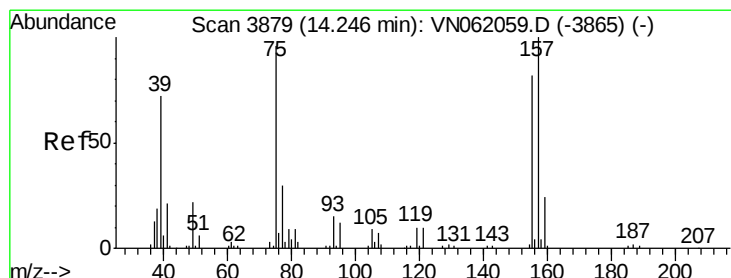
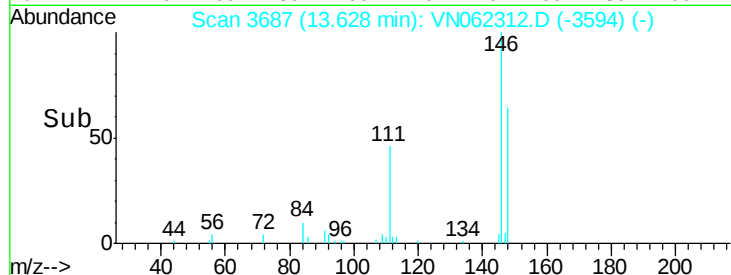
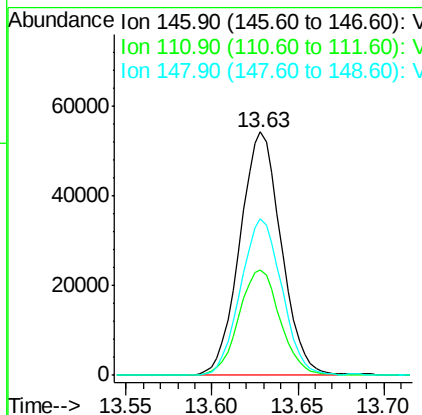
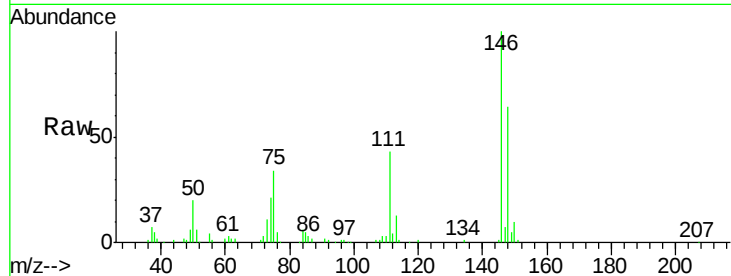
ClientSampleId :

VN0701WBS02

Tot Ion:	146	Resp:	90835
Ion Ratio	Lower	Upper	
146	100		
111	43.4	21.2	63.6
148	64.2	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.587 ug/l

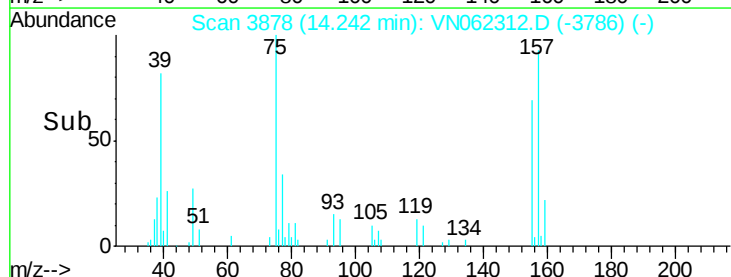
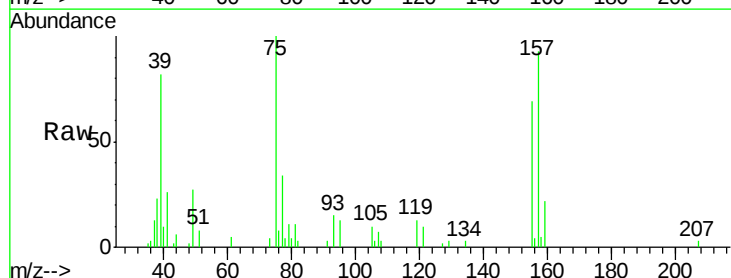
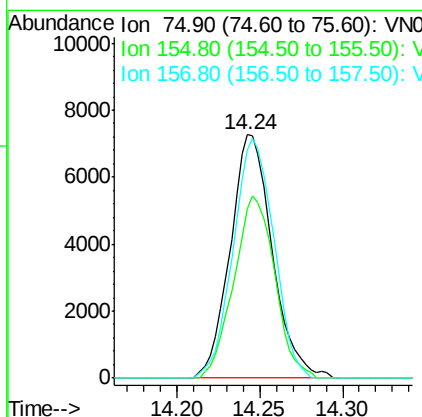
RT: 14.24 min Scan# 3878

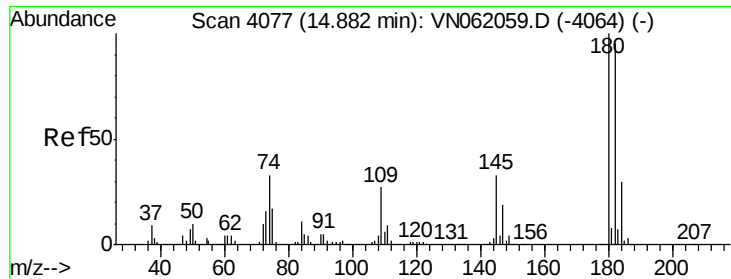
Delta R.T. -0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Tgt Ion:	75	Resp:	12821
Ion Ratio	Lower	Upper	
75	100		
155	72.6	40.8	122.4
157	95.2	51.4	154.3





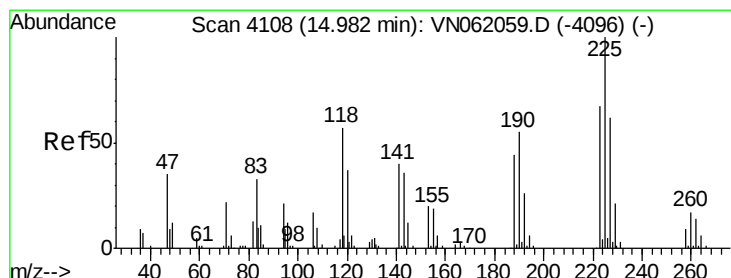
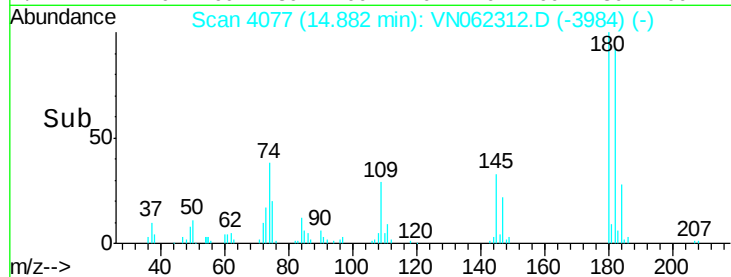
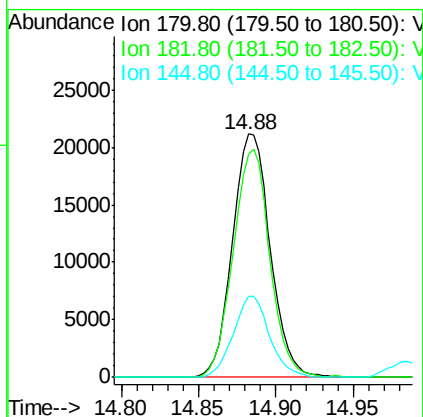
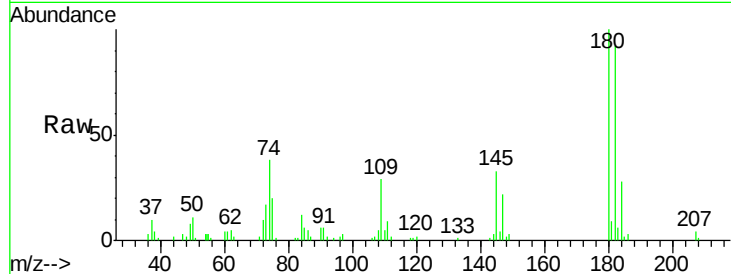
#93
 1,2,4-Trichlorobenzene
 Concen: 17.437 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0701WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	35877		
182	90.7	48.0	144.2	
145	31.8	16.0	48.0	

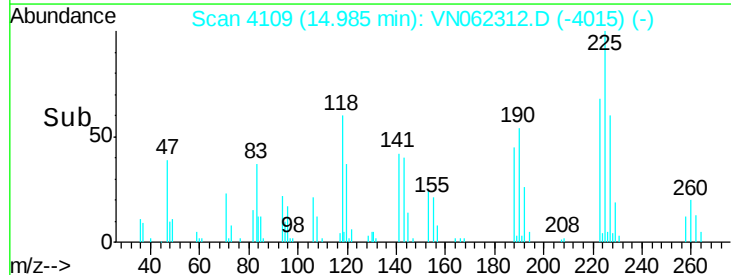
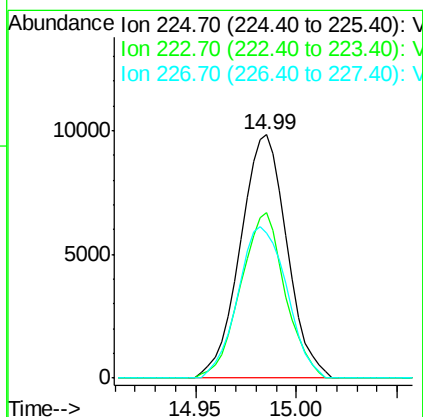
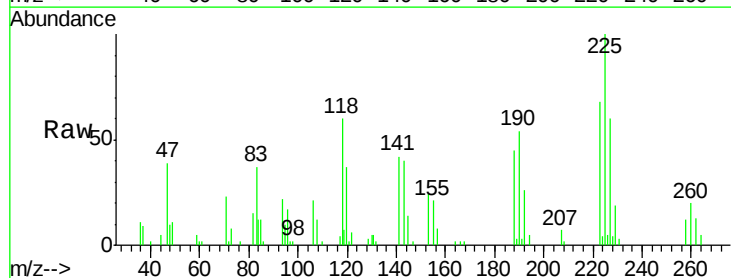
Manual Integrations
 APPROVED

MMDadoda
 7/2/2020 12:31:10 PM



#94
 Hexachlorobutadiene
 Concen: 17.820 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062312.D
 Acq: 2 Jul 2020 1:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	15925		
223	65.0	32.9	98.7	
227	65.3	31.3	93.8	





#95

Naphthalene

Concen: 17.625 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Instrument :

MSVOA_N

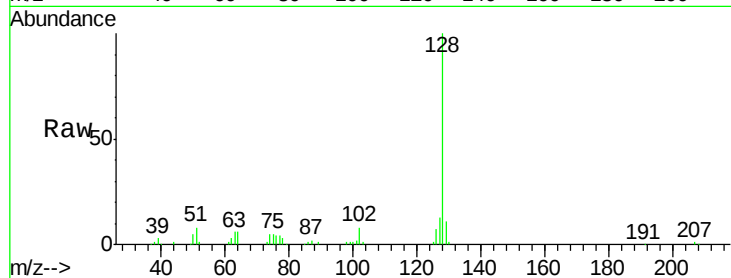
ClientSampleId :

VN0701WBS02

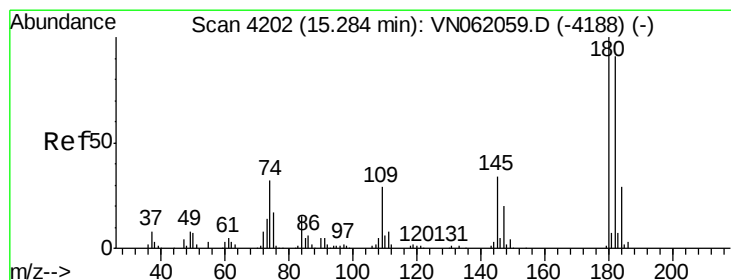
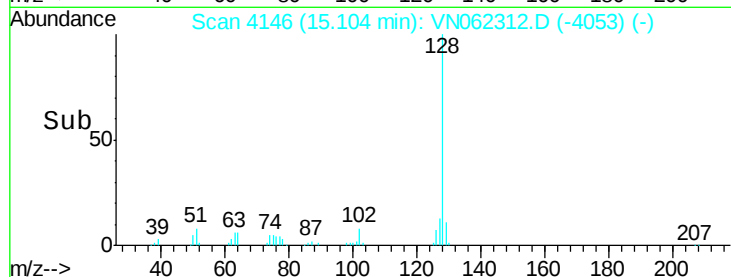
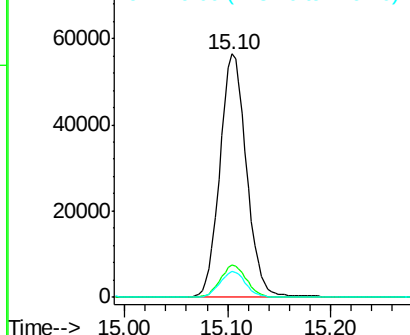
Tot Ion:	128	Resp:	101623
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/2/2020 12:31:10 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.872 ug/l

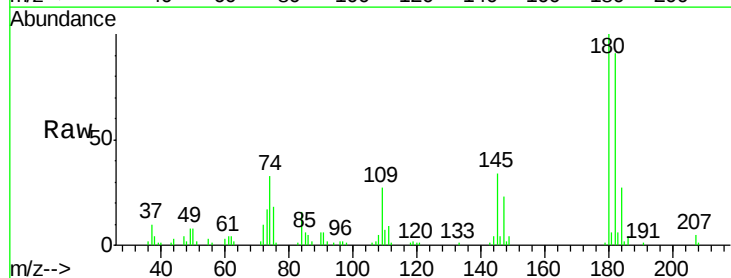
RT: 15.28 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VN062312.D

Acq: 2 Jul 2020 1:08

Tgt Ion:	180	Resp:	37599
Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.8	140.4
145	33.4	16.4	49.2



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

