

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062920\
 Data File : VN062187.D
 Acq On : 29 Jun 2020 14:53
 Operator : JC/MD
 Sample : VN0629WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 10:43:41 AM

Quant Time: Jun 30 05:00:50 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	249279	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	448305	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	412655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	182247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	173638	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
35) Dibromofluoromethane	7.55	113	139141	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
50) Toluene-d8	10.06	98	547669	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	
62) 4-Bromofluorobenzene	12.38	95	181844	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	48463	17.200	ug/l	99
3) Chloromethane	2.03	50	63793	18.385	ug/l	99
4) Vinyl Chloride	2.16	62	75053	16.914	ug/l	98
5) Bromomethane	2.53	94	52601	18.342	ug/l	97
6) Chloroethane	2.67	64	52591	17.350	ug/l	97
7) Trichlorofluoromethane	2.98	101	93661	17.130	ug/l	98
8) Diethyl Ether	3.37	74	37499	19.641	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	51789	18.088	ug/l	98
10) Methyl Iodide	3.91	142	61653	19.120	ug/l	99
11) Tert butyl alcohol	4.73	59	49809	99.168	ug/l	98
12) 1,1-Dichloroethene	3.70	96	51302	17.923	ug/l	96
13) Acrolein	3.57	56	44505	90.503	ug/l	99
14) Allyl chloride	4.27	41	76830	19.715	ug/l	100
15) Acrylonitrile	4.93	53	137509	100.467	ug/l	100
16) Acetone	3.78	43	120443	107.378	ug/l	99
17) Carbon Disulfide	4.01	76	144205	17.622	ug/l	100
18) Methyl Acetate	4.28	43	57050	20.515	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	178193	19.482	ug/l	100
20) Methylene Chloride	4.50	84	62674	19.384	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	57197	17.541	ug/l	96
22) Diisopropyl ether	5.90	45	173157	19.515	ug/l	96
23) Vinyl Acetate	5.84	43	708223	97.761	ug/l	99
24) 1,1-Dichloroethane	5.80	63	107499	18.814	ug/l	99
25) 2-Butanone	6.79	43	172850	101.089	ug/l	97
26) 2,2-Dichloropropane	6.78	77	88815	18.653	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	66078	18.009	ug/l	97
28) Bromochloromethane	7.15	49	44917	18.118	ug/l	94
29) Tetrahydrofuran	7.17	42	113280	101.138	ug/l	98
30) Chloroform	7.33	83	107843	18.551	ug/l	98
31) Cyclohexane	7.61	56	91422	18.916	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	90076	18.373	ug/l	99
36) 1,1-Dichloropropene	7.75	75	79978	17.749	ug/l	98
37) Ethyl Acetate	6.89	43	71719	19.221	ug/l	98
38) Carbon Tetrachloride	7.73	117	73329	17.261	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	89182	18.063	ug/l	96
40) Benzene	8.00	78	247335	18.008	ug/l	99
41) Methacrylonitrile	7.13	41	29094	16.819	ug/l #	90
42) 1,2-Dichloroethane	8.09	62	86344	18.607	ug/l	99
43) Isopropyl Acetate	8.13	43	119883	19.709	ug/l	99
44) Trichloroethene	8.80	130	61510	17.754	ug/l	96
45) 1,2-Dichloropropane	9.09	63	63450	18.726	ug/l	99
46) Dibromomethane	9.18	93	41009	17.851	ug/l	99
47) Bromodichloromethane	9.37	83	82930	17.878	ug/l	99
48) Methyl methacrylate	9.17	41	52013	19.071	ug/l	97
49) 1,4-Dioxane	9.17	88	22209	367.205	ug/l #	95
51) 4-Methyl-2-Pentanone	9.95	43	357047	100.468	ug/l	99
52) Toluene	10.12	92	154100	18.389	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	94509	18.519	ug/l	95
54) cis-1,3-Dichloropropene	9.81	75	102314	18.831	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	61422	18.646	ug/l	99
56) Ethyl methacrylate	10.40	69	84675	19.261	ug/l	99
57) 1,3-Dichloropropane	10.68	76	107637	18.983	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	154347	93.255	ug/l	99
59) 2-Hexanone	10.72	43	255630	99.613	ug/l	99
60) Dibromochloromethane	10.87	129	61810	17.723	ug/l	99
61) 1,2-Dibromoethane	10.98	107	59615	17.613	ug/l	99
64) Tetrachloroethene	10.60	164	47893	16.990	ug/l	98
65) Chlorobenzene	11.41	112	162483	17.930	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	57640	18.394	ug/l	99
67) Ethyl Benzene	11.48	91	282455	18.456	ug/l	98
68) m/p-Xylenes	11.59	106	216955	36.651	ug/l	100
69) o-Xylene	11.92	106	104834	18.770	ug/l	99
70) Styrene	11.94	104	169174	18.162	ug/l	99
71) Bromoform	12.10	173	40174	18.032	ug/l #	96
73) Isopropylbenzene	12.22	105	271965	19.278	ug/l	100
74) N-amyl acetate	12.05	43	94432	20.311	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	92505	19.705	ug/l	97
76) 1,2,3-Trichloropropane	12.53	75	82513m	19.233	ug/l	
77) Bromobenzene	12.50	156	63036	17.998	ug/l	93
78) n-propylbenzene	12.57	91	310148	19.220	ug/l	100
79) 2-Chlorotoluene	12.65	91	184792	18.943	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	221993	19.411	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	27675	18.838	ug/l	93
82) 4-Chlorotoluene	12.75	91	187039	18.541	ug/l	100
83) tert-Butylbenzene	12.97	119	185371	18.940	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	217718	19.062	ug/l	99
85) sec-Butylbenzene	13.15	105	253597	19.609	ug/l	99
86) p-Isopropyltoluene	13.26	119	222689	19.654	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	111505	18.130	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	110811	17.479	ug/l	98
89) n-Butylbenzene	13.59	91	176936	18.783	ug/l	98
90) Hexachloroethane	13.85	117	42883	19.290	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	110617	18.548	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.25	75	14878	19.783	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	46147	17.712	ug/l	97
94) Hexachlorobutadiene	14.99	225	22668	20.032	ug/l	98
95) Naphthalene	15.10	128	133467	18.132	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	47882	17.974	ug/l	100

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

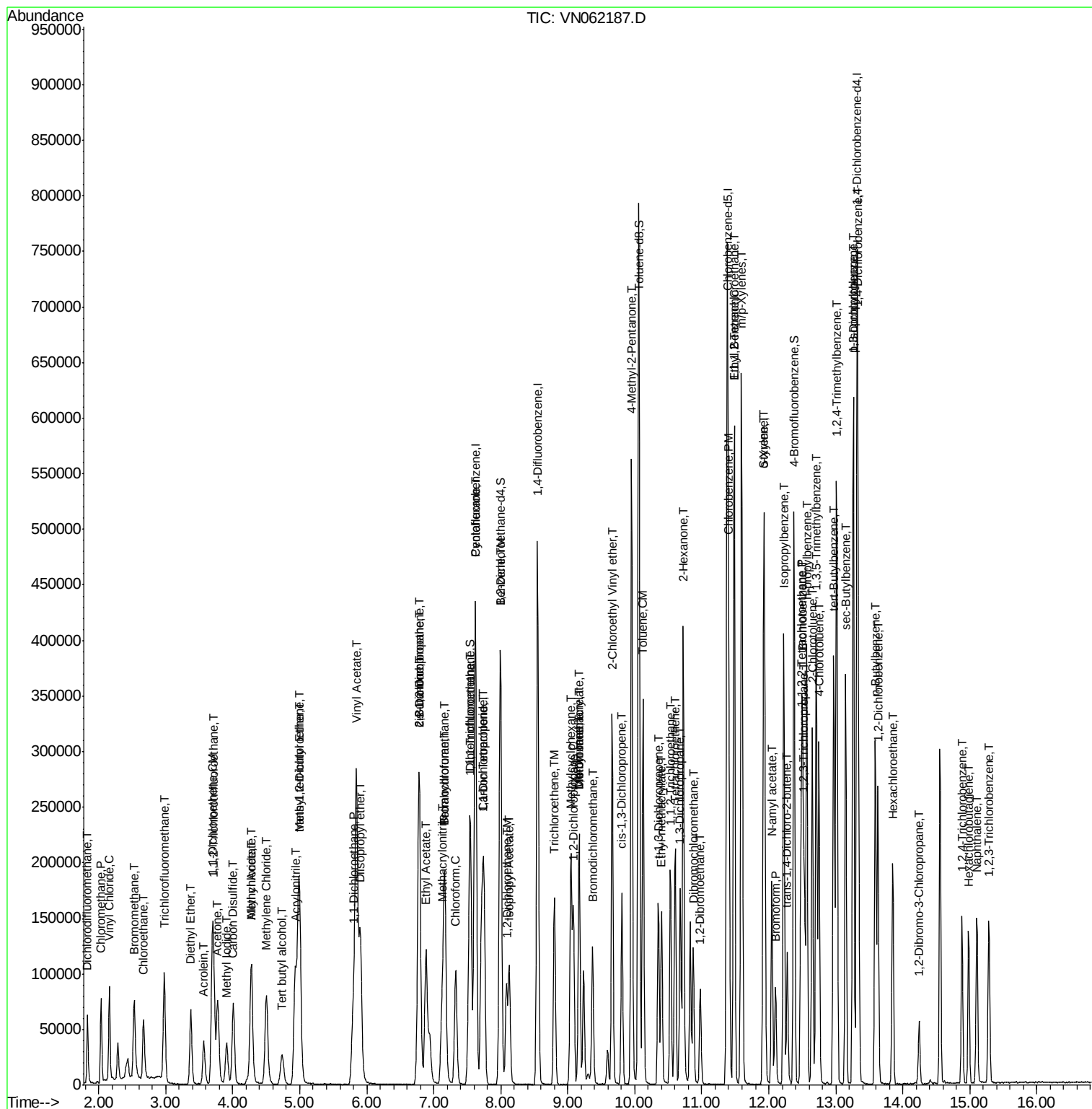
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Data File : VN062187.D
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Sample : VN0629WBSD01
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion:168 Resp: 249279

Ion Ratio Lower Upper

168 100

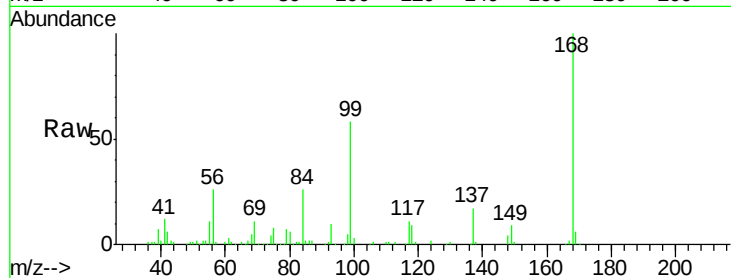
99 58.1 45.8 68.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

120000

100000

80000

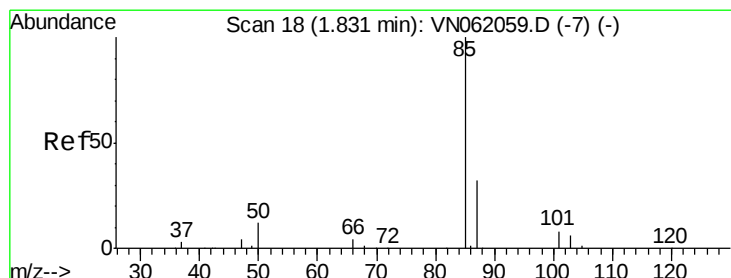
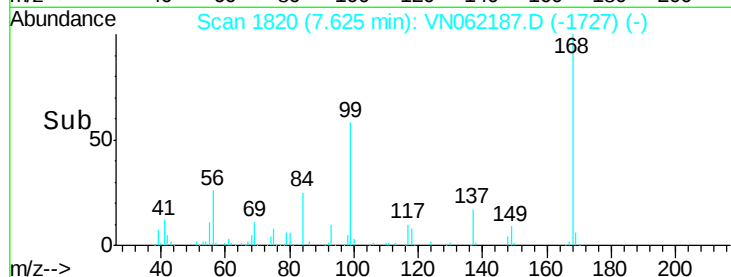
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.200 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN062187.D

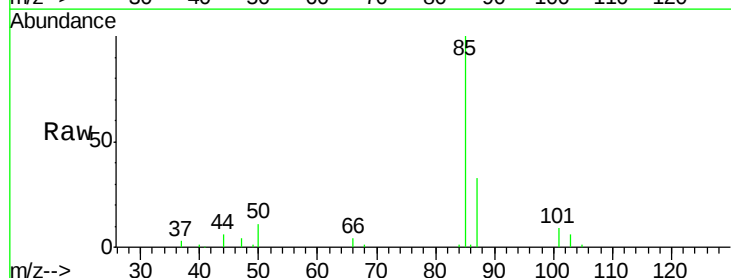
Acq: 29 Jun 2020 14:53

Tgt Ion: 85 Resp: 48463

Ion Ratio Lower Upper

85 100

87 32.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

40000

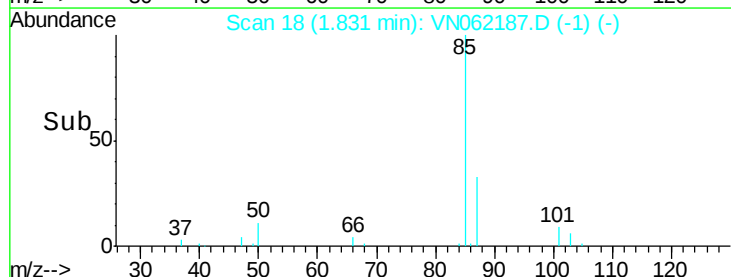
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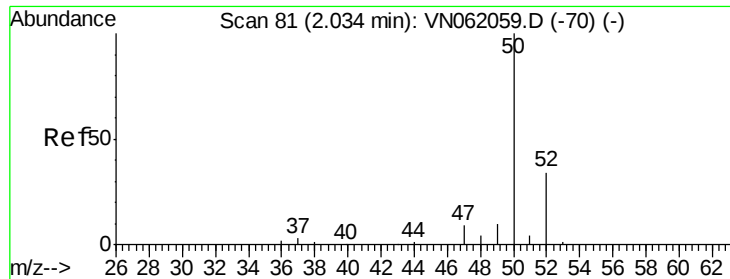
20000

10000

0

Time-->





#3

Chloromethane

Concen: 18.385 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion: 50 Resp: 63793

Ion Ratio Lower Upper

50 100

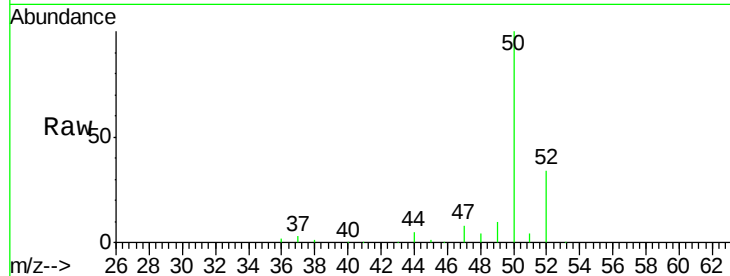
52 34.2 27.0 40.6

Manual Integrations

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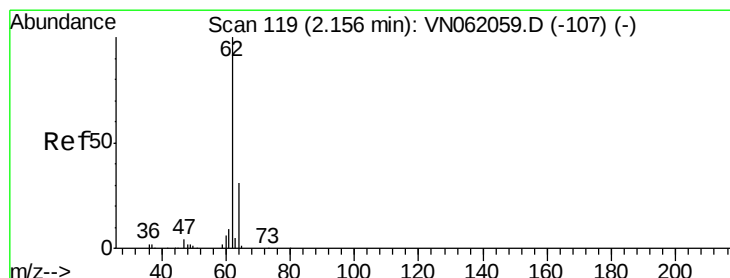
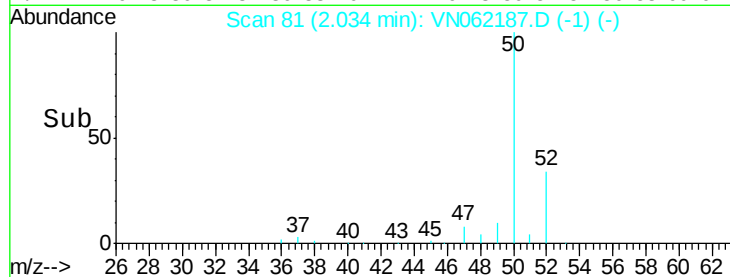
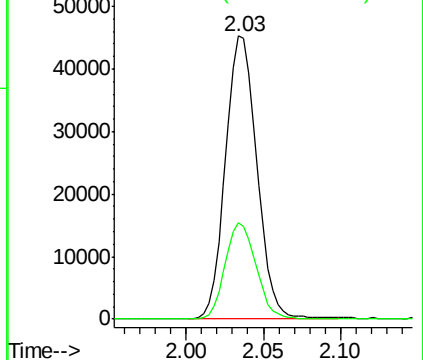
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.914 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062187.D

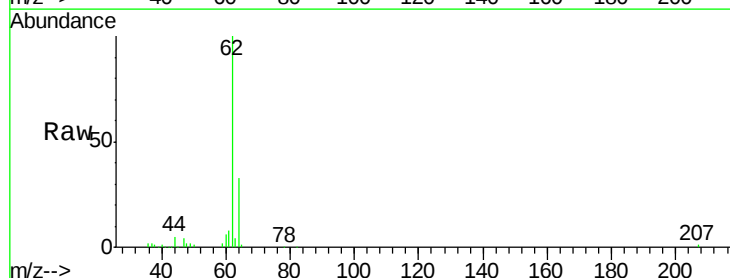
Acq: 29 Jun 2020 14:53

Tgt Ion: 62 Resp: 75053

Ion Ratio Lower Upper

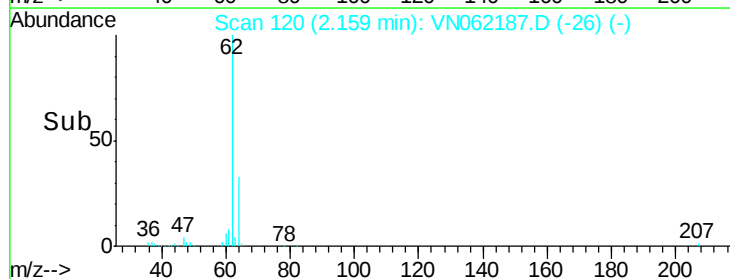
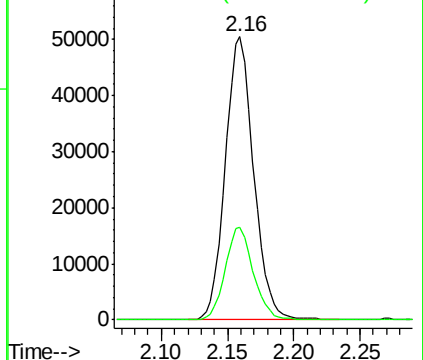
62 100

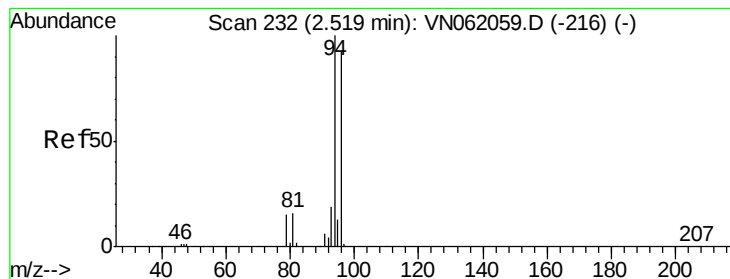
64 32.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 18.342 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion: 94 Resp: 52601

Ion Ratio Lower Upper

94 100

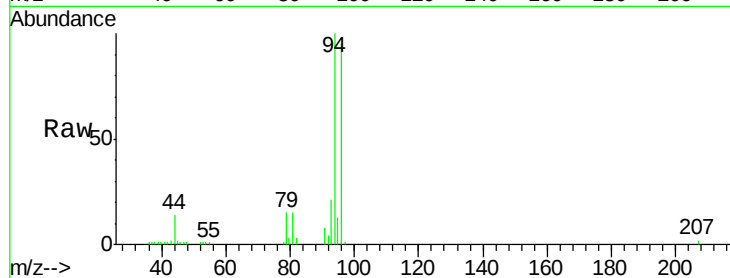
96 94.6 73.4 110.2

Manual Integrations

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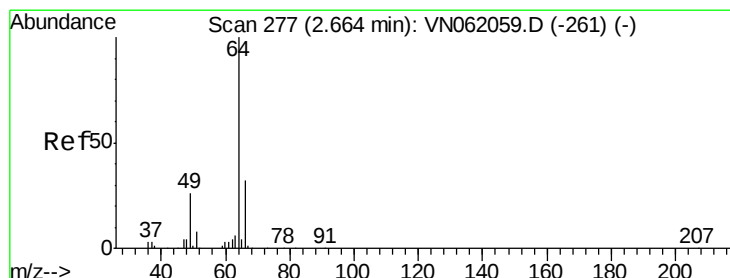
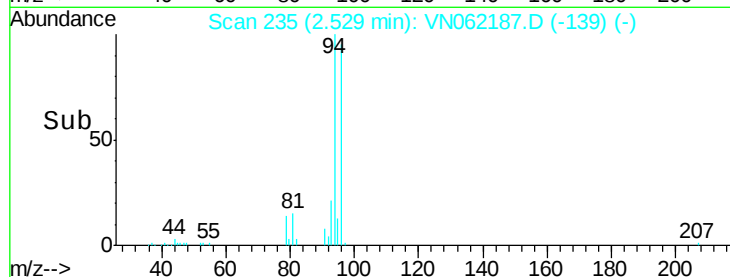
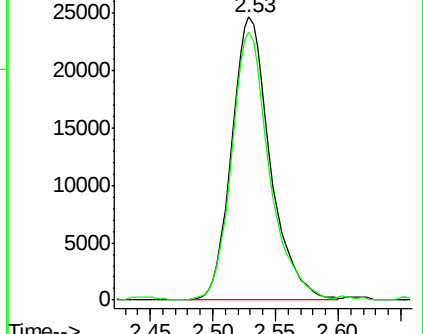
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.350 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062187.D

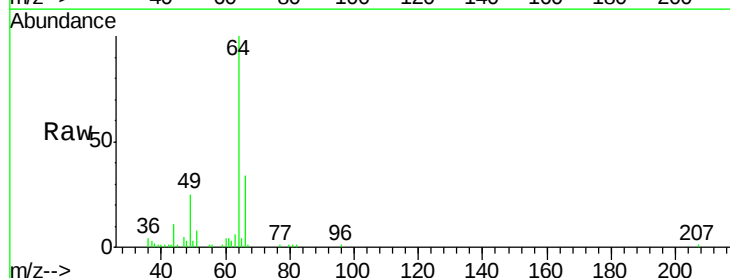
Acq: 29 Jun 2020 14:53

Tgt Ion: 64 Resp: 52591

Ion Ratio Lower Upper

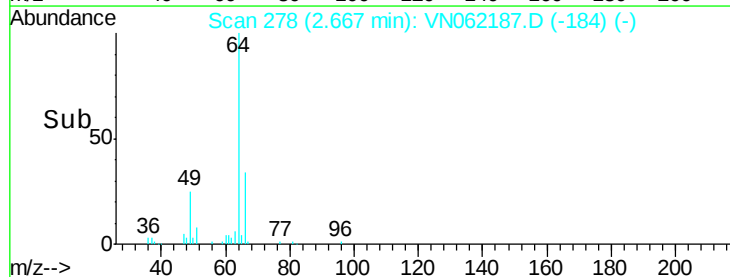
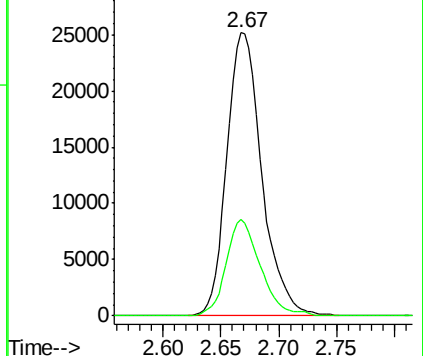
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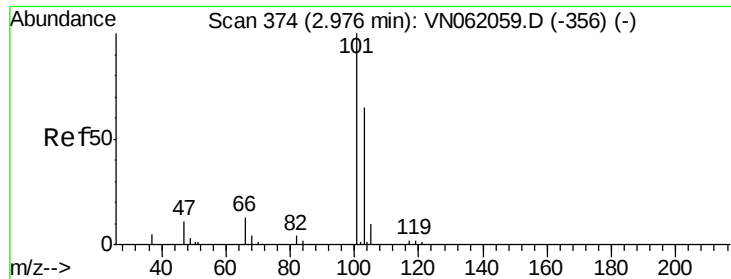
66 34.1 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

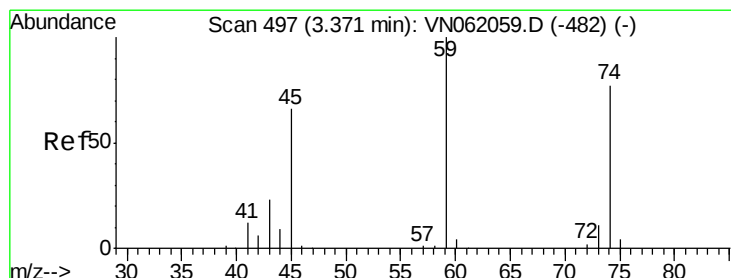
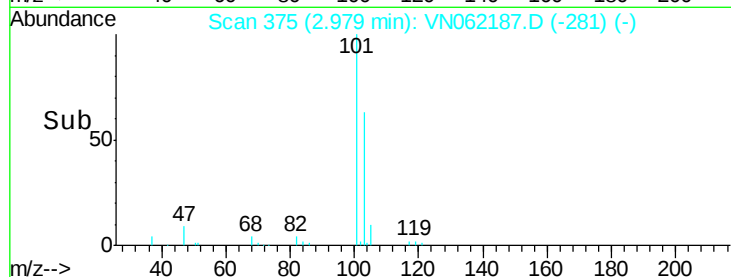
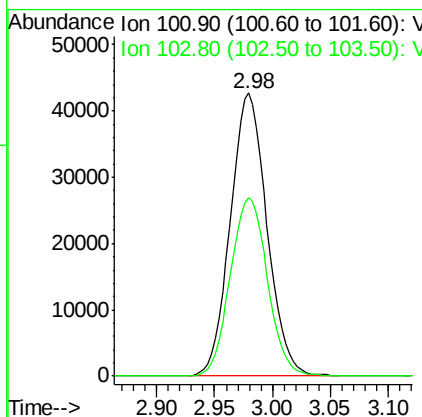
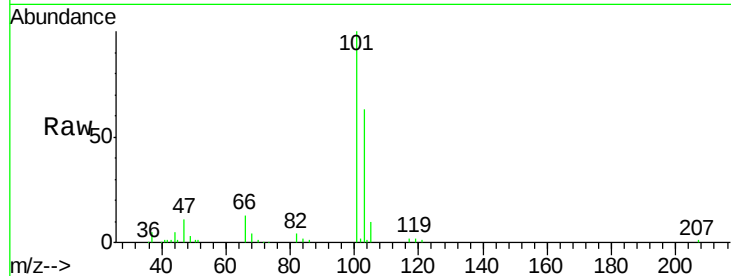
Trichlorofluoromethane
 Concen: 17.130 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	51.8	77.6

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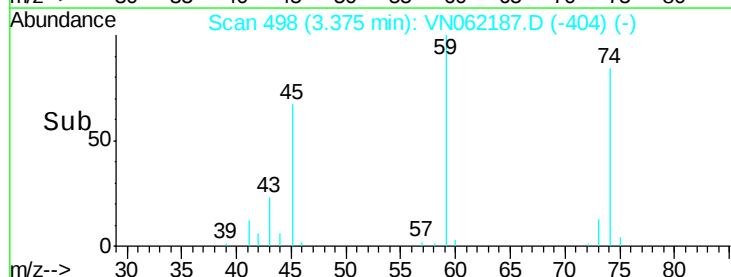
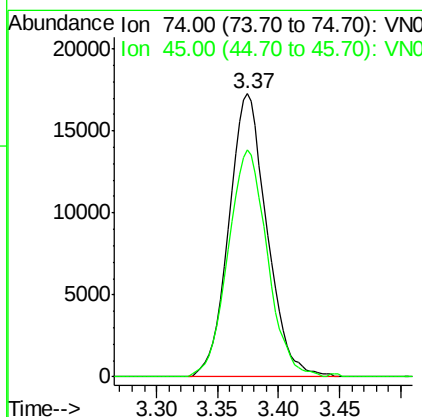
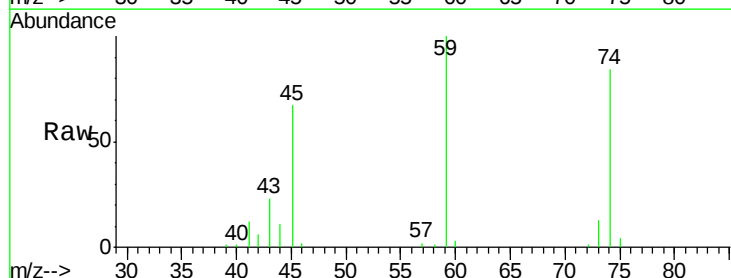
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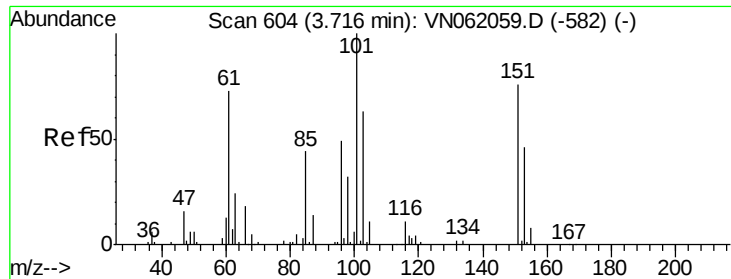


#8

Diethyl Ether
 Concen: 19.641 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.6	42.5	127.5





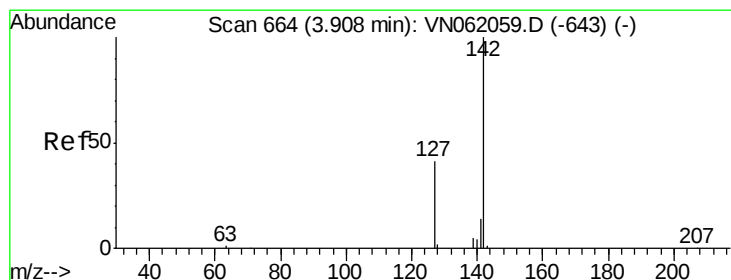
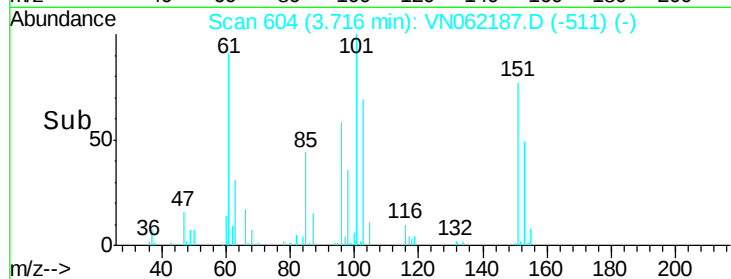
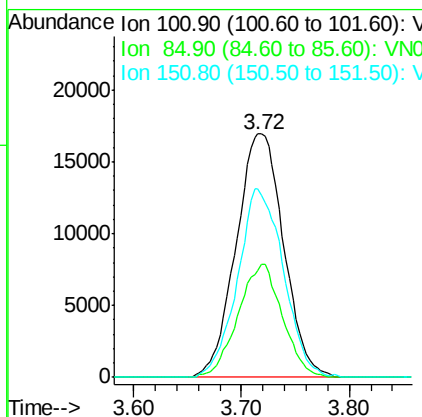
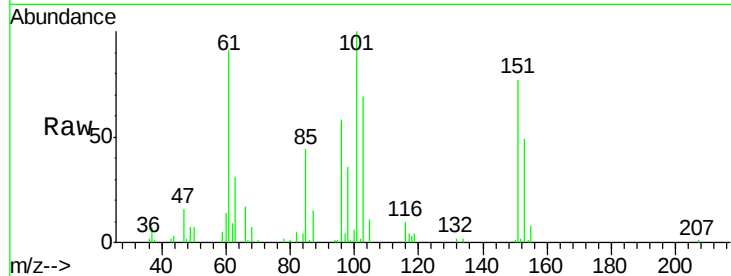
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.088 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.5	51.7
151	75.0	57.8	86.8

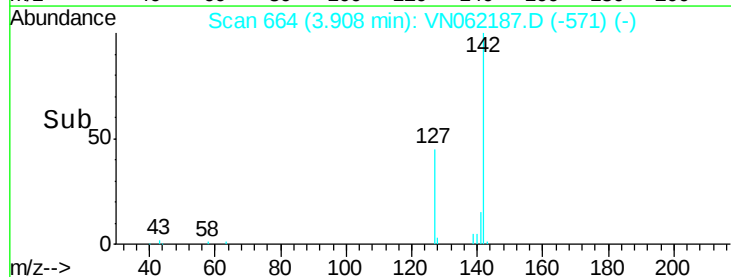
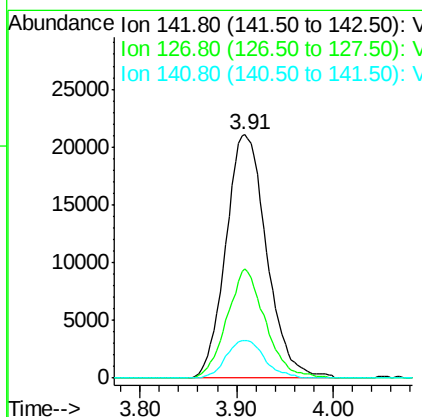
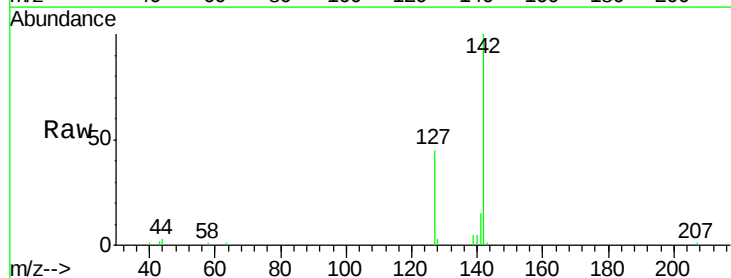
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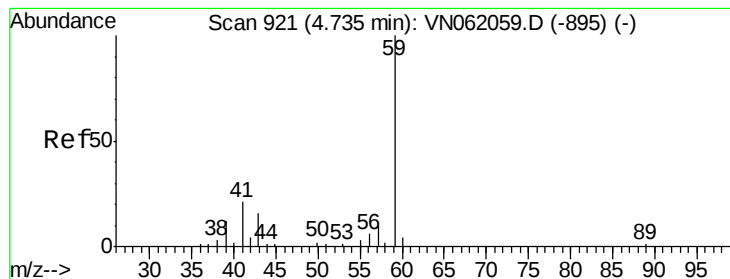
MMDadoda
 6/30/2020 10:43:41 AM



#10
 Methyl Iodide
 Concen: 19.120 ug/l
 RT: 3.91 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.3	33.6	50.4
141	14.6	11.3	16.9





#11

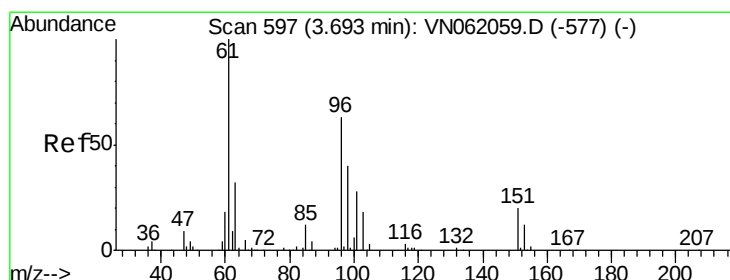
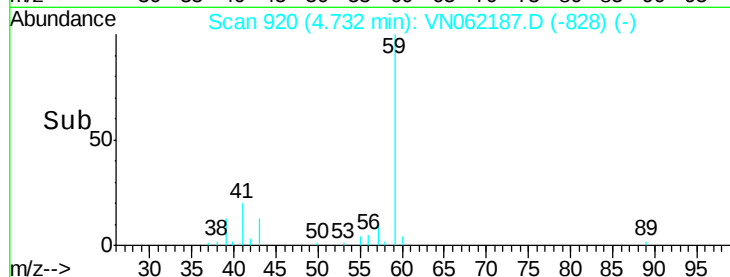
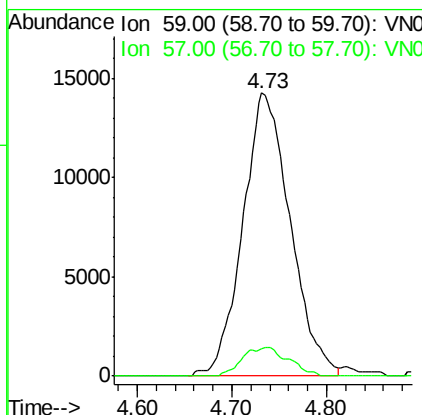
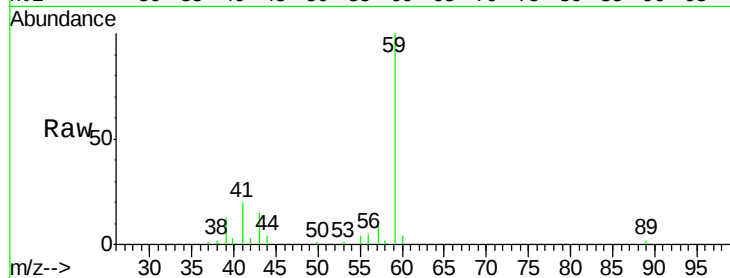
Tert butyl alcohol
 Concen: 99.168 ug/l
 RT: 4.73 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.3	12.5

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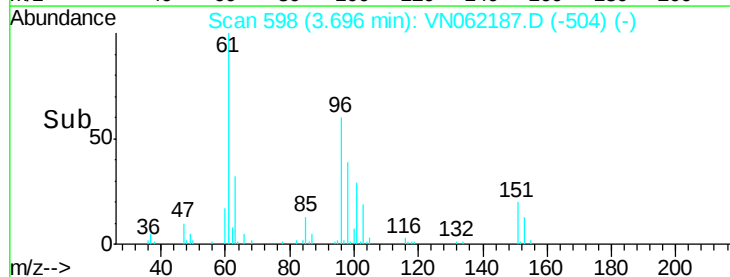
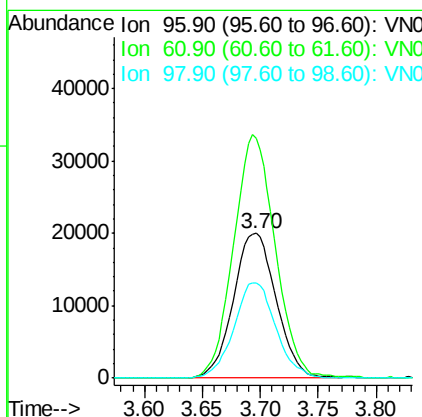
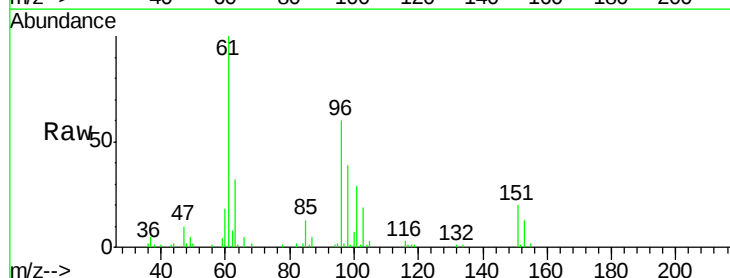
MMDadoda
 6/30/2020 10:43:41 AM

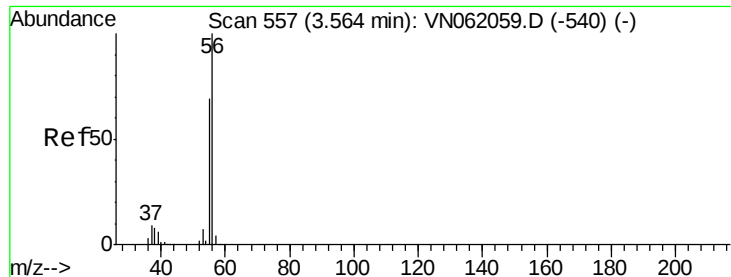


#12

1,1-Dichloroethene
 Concen: 17.923 ug/l
 RT: 3.70 min Scan# 598
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.5	126.7	190.1
98	65.3	51.0	76.4





#13

Acrolein

Concen: 90.503 ug/l

RT: 3.57 min Scan# 558

Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion: 56 Resp: 44505

Ion Ratio Lower Upper

56 100

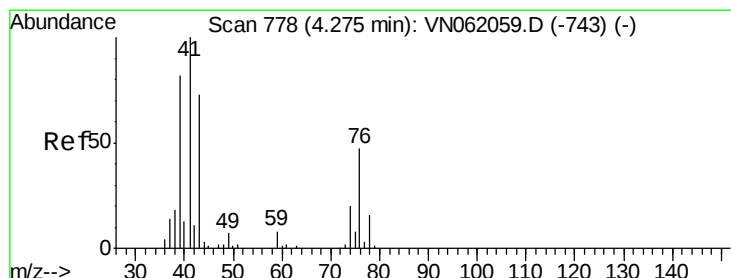
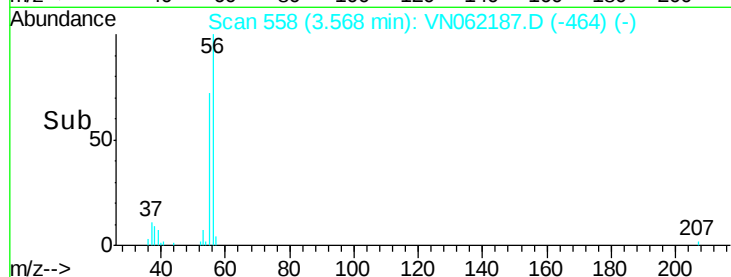
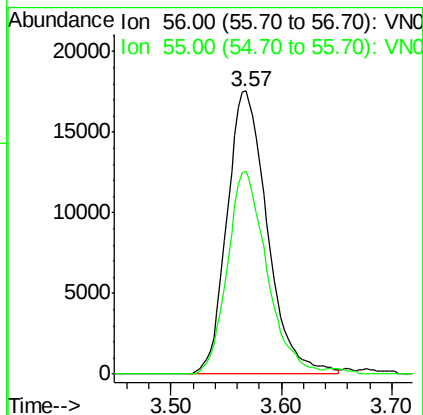
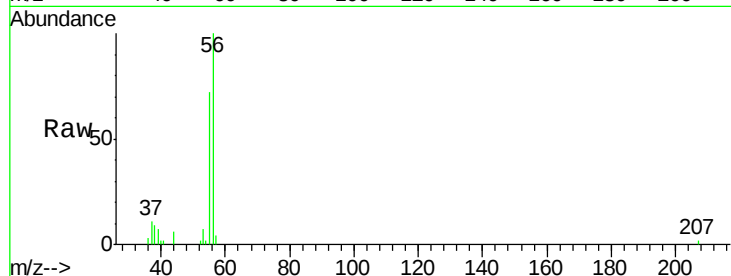
55 70.0 55.5 83.3

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#14

Allyl chloride

Concen: 19.715 ug/l

RT: 4.27 min Scan# 778

Delta R.T. -0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

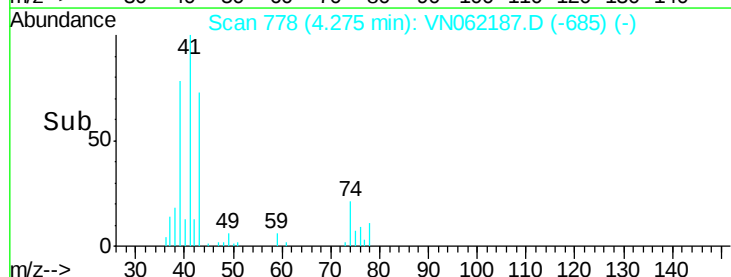
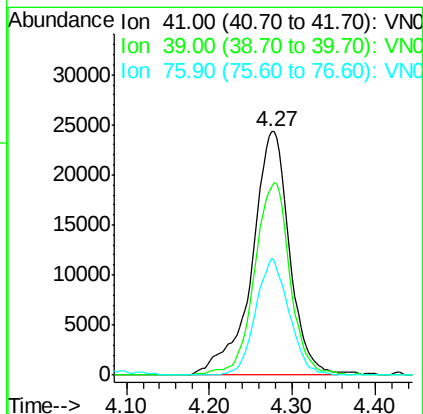
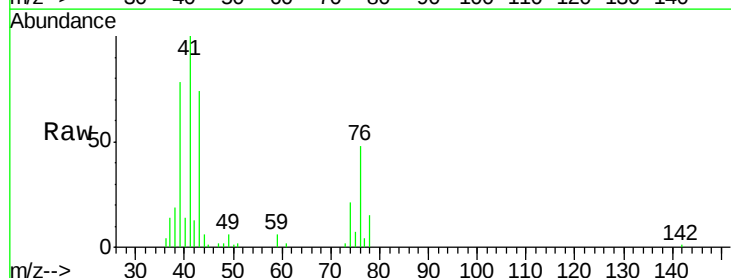
Tgt Ion: 41 Resp: 76830

Ion Ratio Lower Upper

41 100

39 74.7 60.0 90.0

76 42.4 34.1 51.1





#15

Acrylonitrile

Concen: 100.467 ug/l

RT: 4.93 min Scan# 983

Delta R.T. 0.01 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

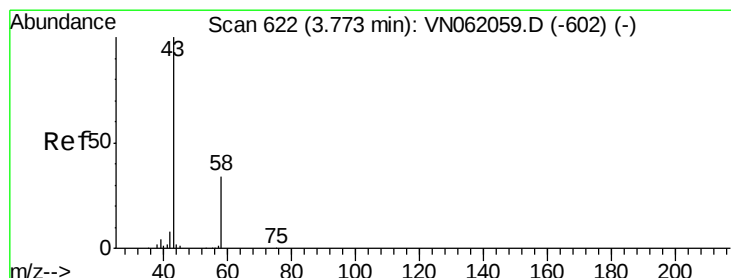
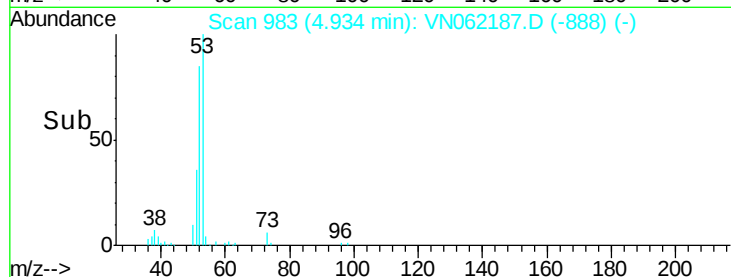
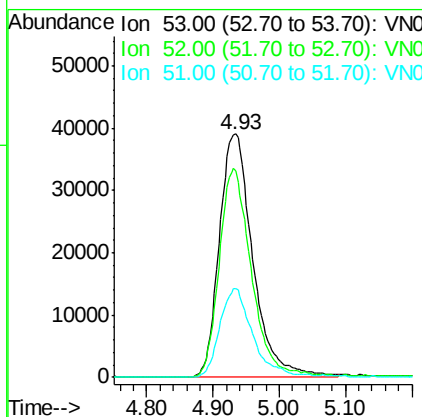
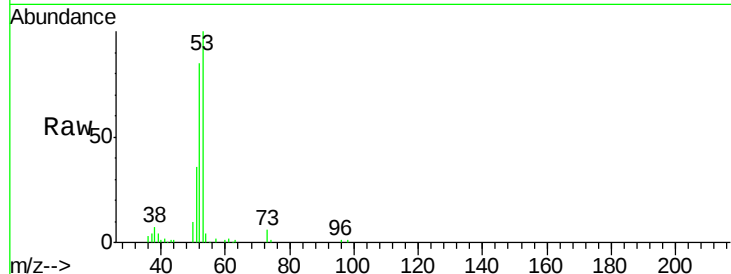
ClientSampleId :

VN0629WBSD01

Tot Ion:	53	Resp:	137509
Ion Ratio		Lower	Upper
53	100		
52	82.6	66.2	99.4
51	35.4	28.9	43.3

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#16

Acetone

Concen: 107.378 ug/l

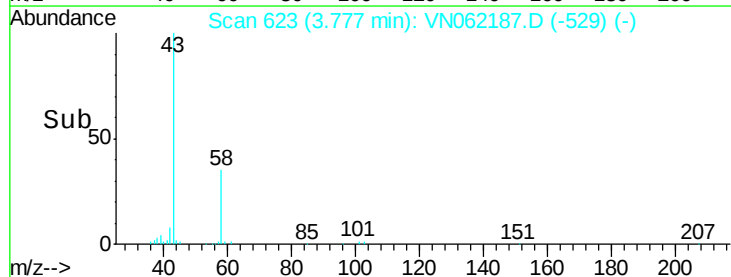
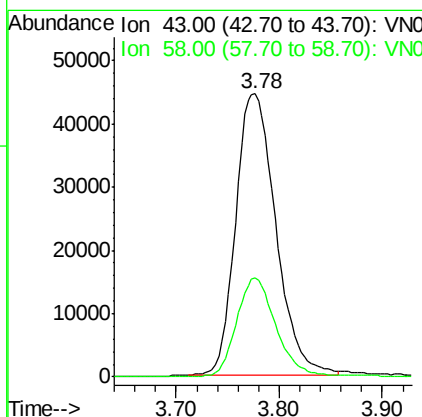
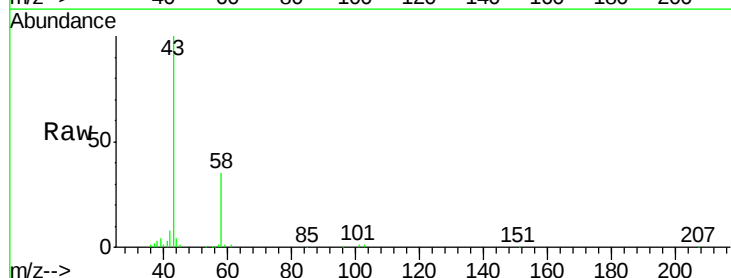
RT: 3.78 min Scan# 623

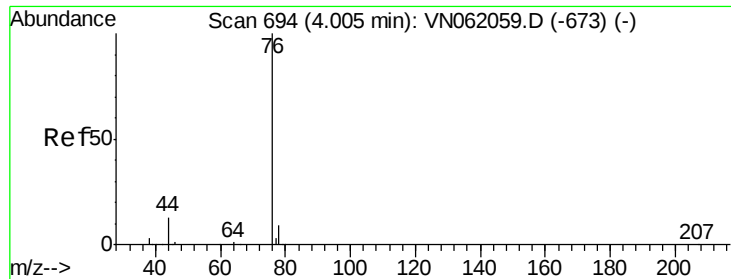
Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Tgt Ion:	43	Resp:	120443
Ion Ratio		Lower	Upper
43	100		
58	35.0	27.5	41.3





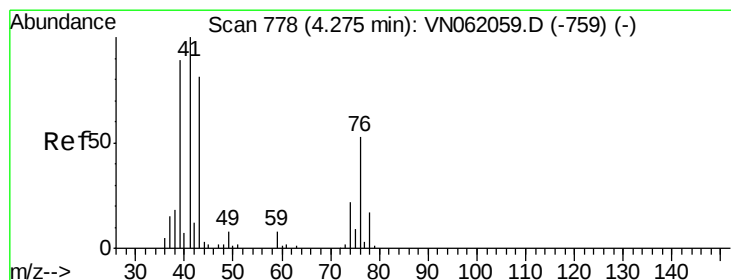
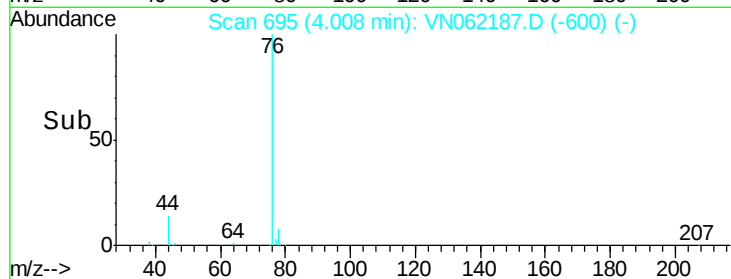
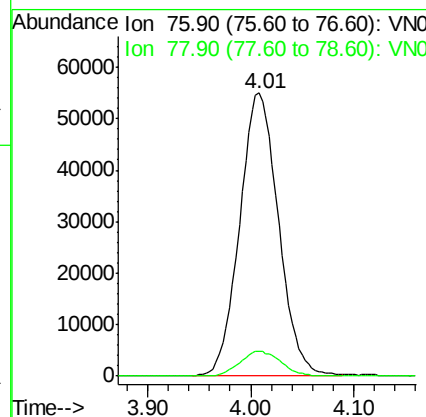
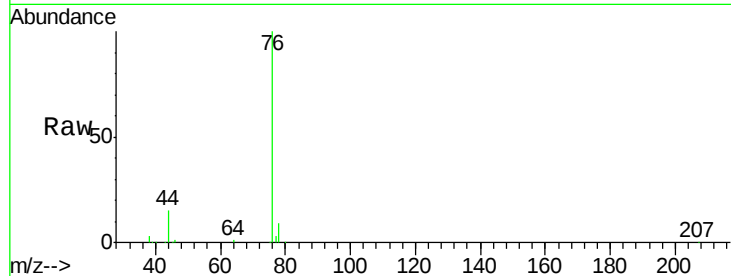
#17
Carbon Disulfide
Concen: 17.622 ug/l
RT: 4.01 min Scan# 695
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

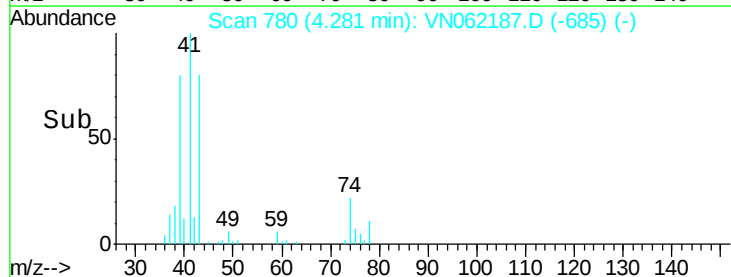
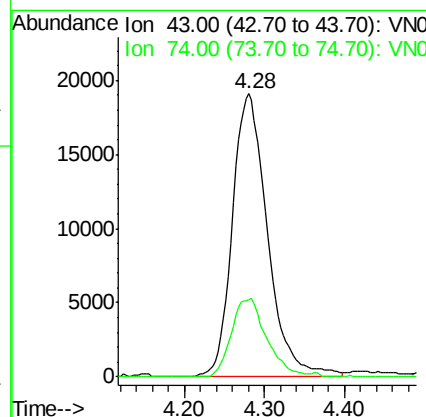
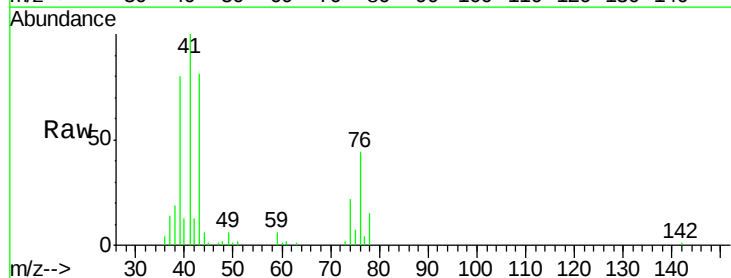
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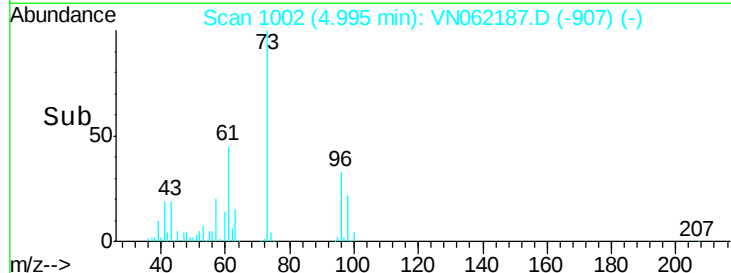
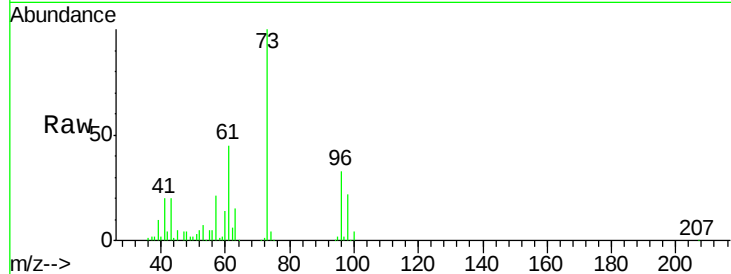
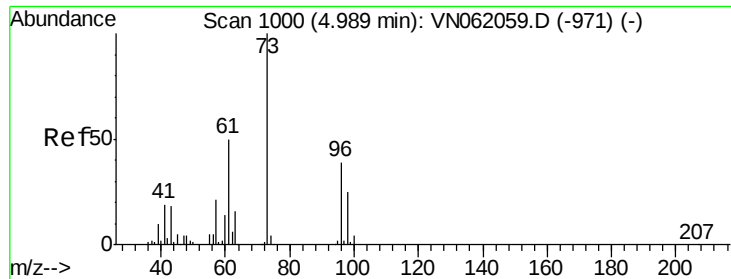
MMDadoda
6/30/2020 10:43:41 AM



#18
Methyl Acetate
Concen: 20.515 ug/l
RT: 4.28 min Scan# 780
Delta R.T. 0.01 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.6	22.9	34.3





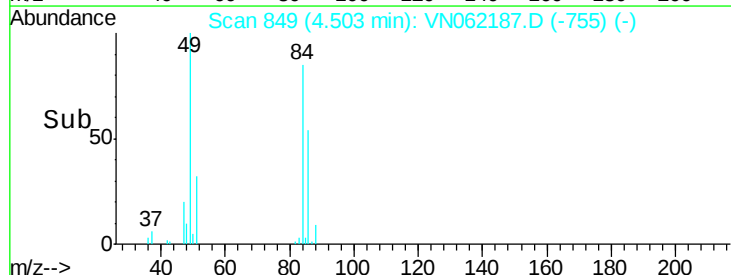
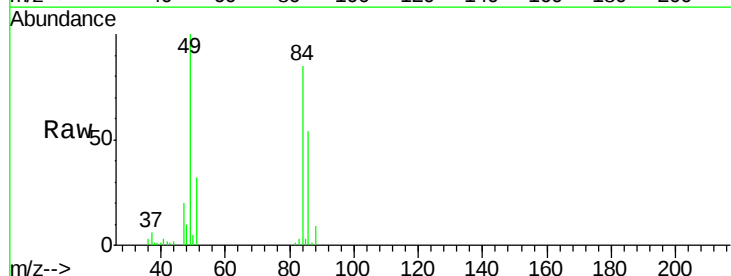
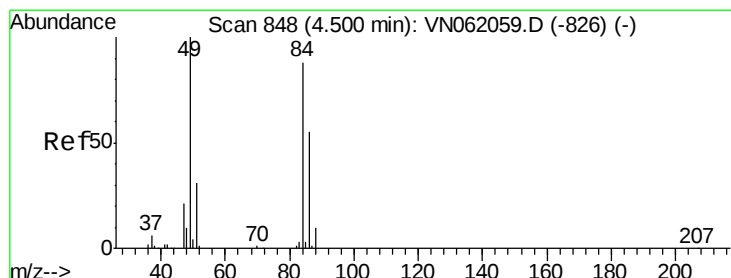
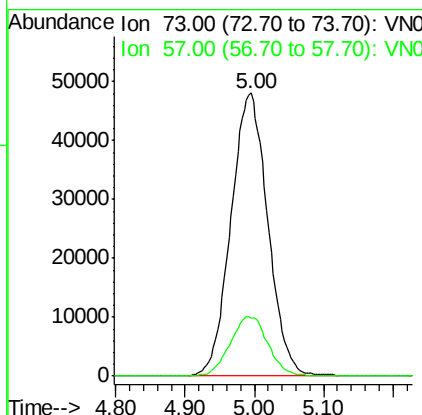
#19
Methvl tert-butvl Ether
Concen: 19.482 ug/l
RT: 5.00 min Scan# 1002
Delta R.T. 0.01 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tot Ion: 73 Resp: 178193
Ion Ratio Lower Upper
73 100
57 20.7 16.6 24.8

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

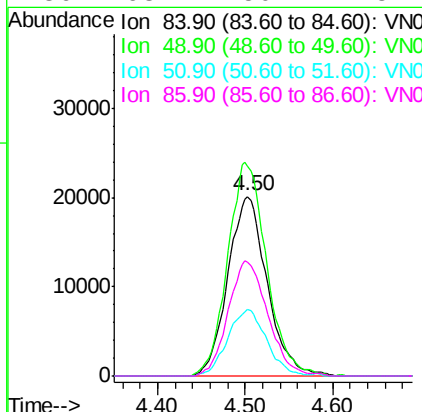
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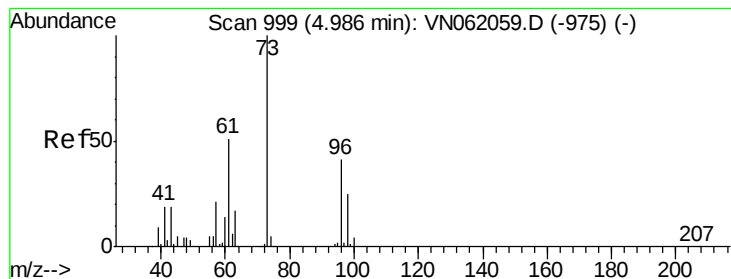
MMDadoda
6/30/2020 10:43:41 AM



#20
Methylene Chloride
Concen: 19.384 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion: 84 Resp: 62674
Ion Ratio Lower Upper
84 100
49 117.0 90.6 136.0
51 37.0 27.8 41.8
86 63.7 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 17.541 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

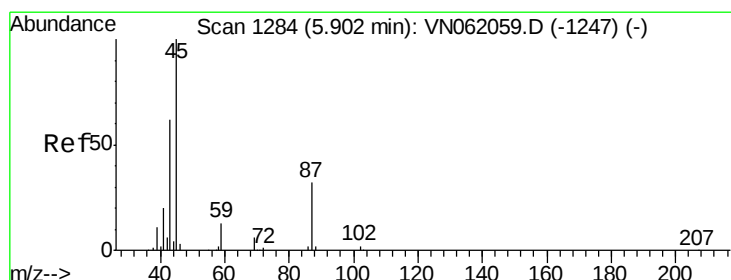
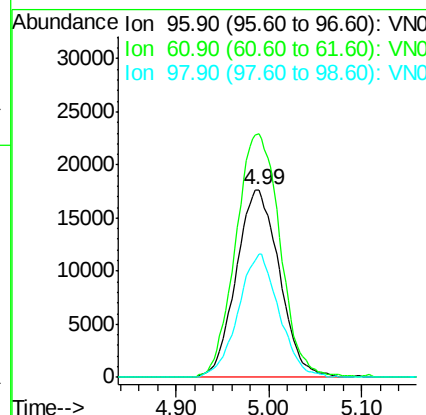
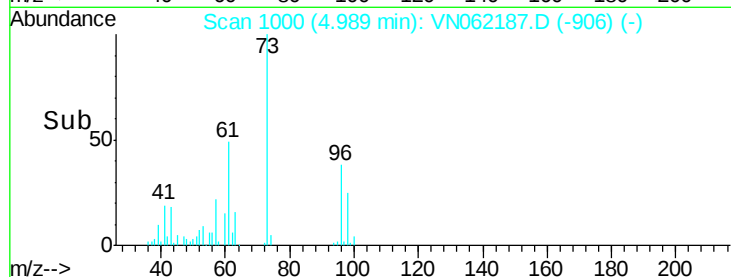
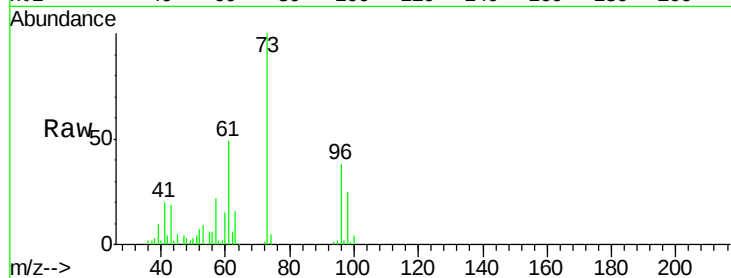
ClientSampleId :

VN0629WBSD01

Tot Ion:	96	Resp:	57197
Ion	Ratio	Lower	Upper
96	100		
61	129.8	101.4	152.2
98	65.7	49.3	73.9

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#22

Diisopropyl ether

Concen: 19.515 ug/l

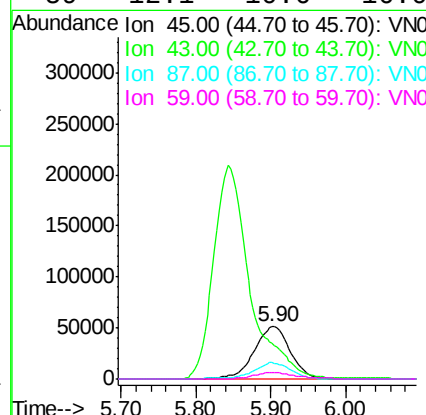
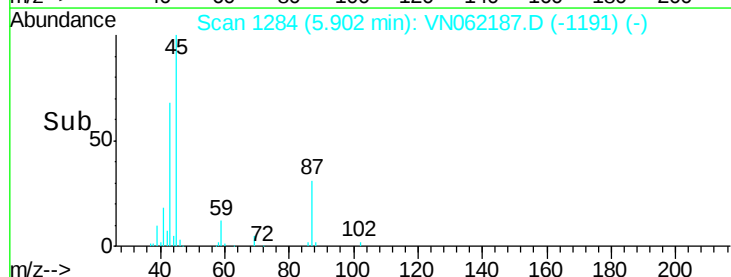
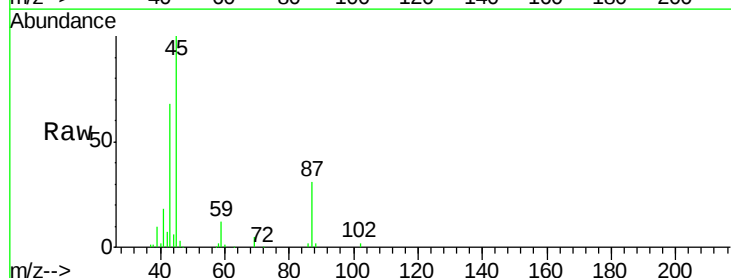
RT: 5.90 min Scan# 1284

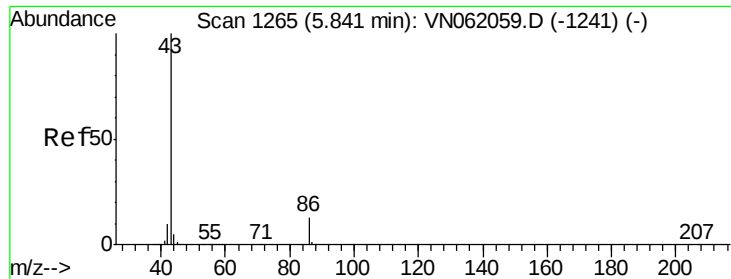
Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Tgt Ion:	45	Resp:	173157
Ion	Ratio	Lower	Upper
45	100		
43	65.7	49.7	74.5
87	31.0	25.9	38.9
59	12.1	10.6	16.0





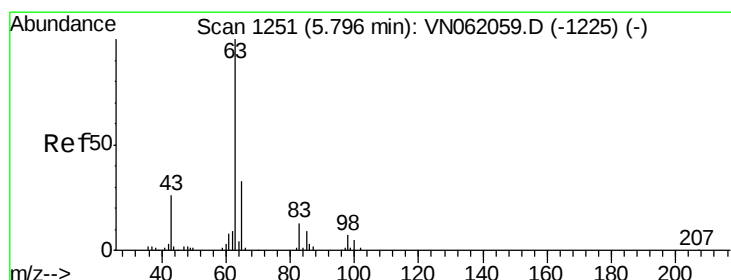
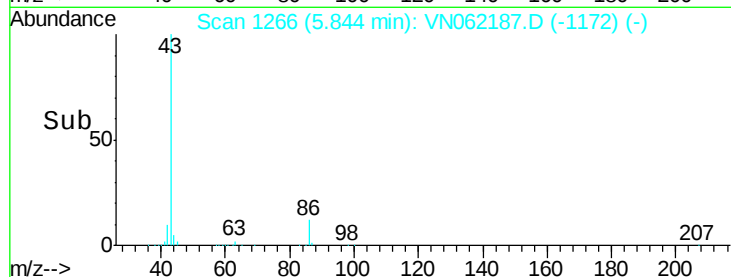
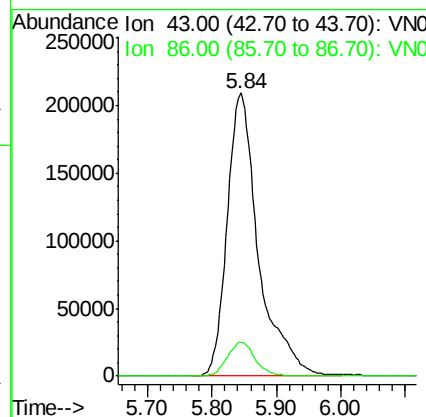
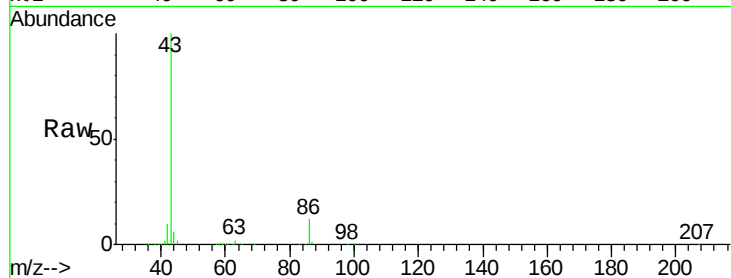
#23
 Vinyl Acetate
 Concen: 97.761 ug/l
 RT: 5.84 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	12.0	10.1	15.1

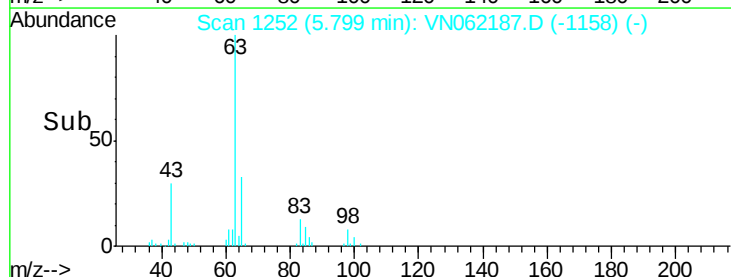
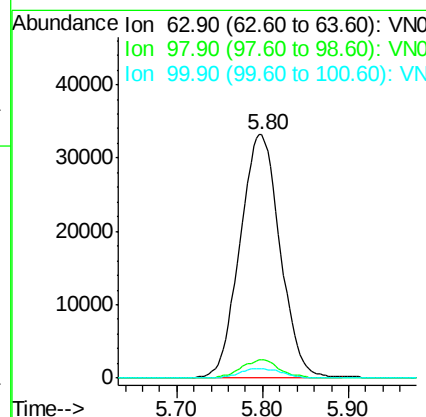
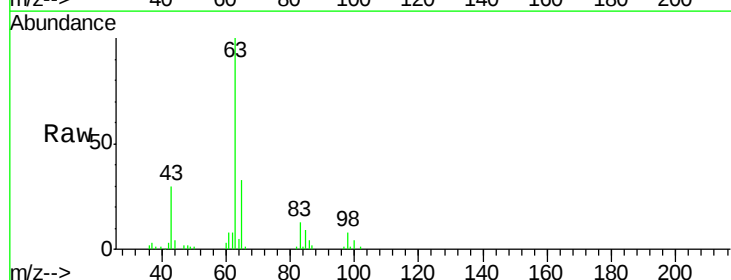
Manual Integrations
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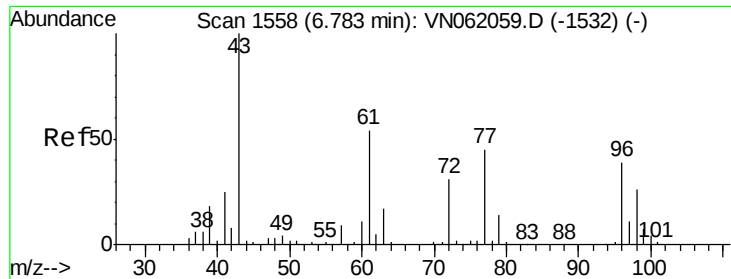
MMDadoda
 6/30/2020 10:43:41 AM



#24
 1,1-Dichloroethane
 Concen: 18.814 ug/l
 RT: 5.80 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.6	10.9
100	4.1	2.4	7.1





#25

2-Butanone

Concen: 101.089 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD01

Tot Ion: 43 Resp: 172850

Ion Ratio Lower Upper

43 100

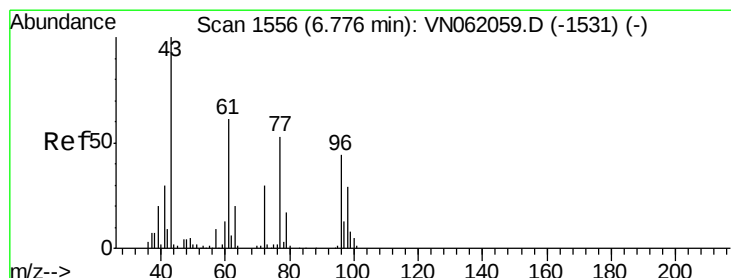
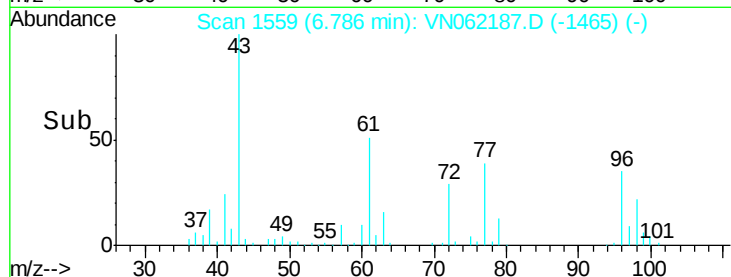
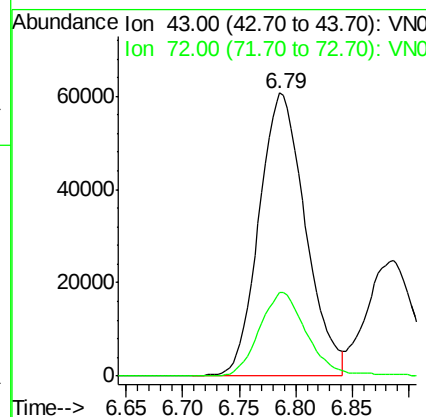
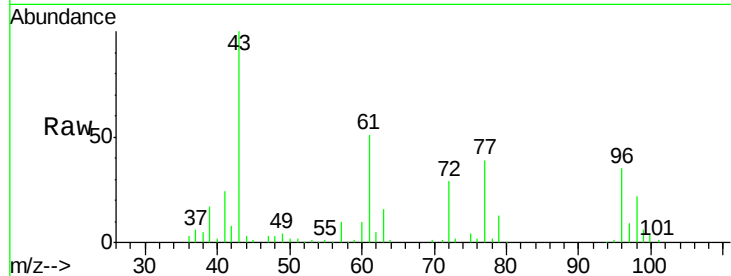
72 29.4 24.8 37.2

Manual Integrations

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MMDadoda

6/30/2020 10:43:41 AM



#26

2,2-Dichloropropane

Concen: 18.653 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062187.D

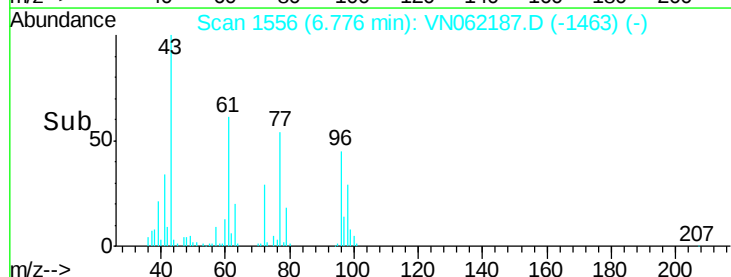
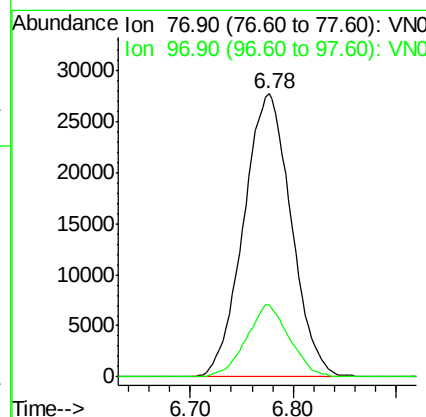
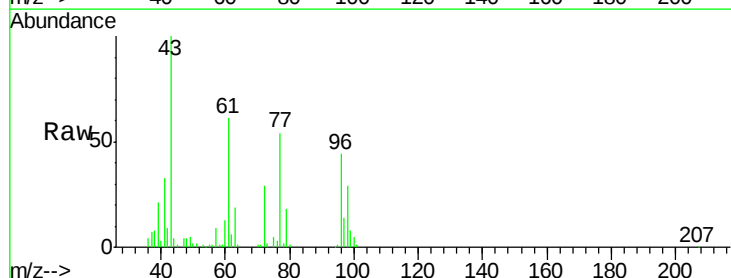
Acq: 29 Jun 2020 14:53

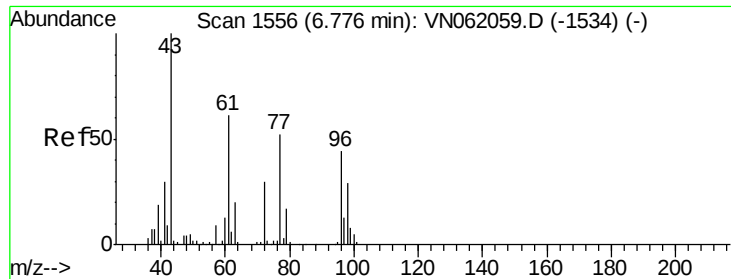
Tgt Ion: 77 Resp: 88815

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.009 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VN062187.D

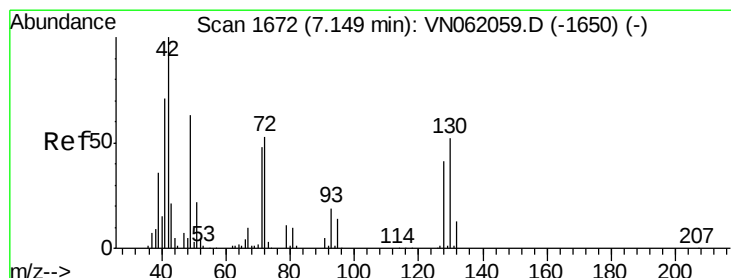
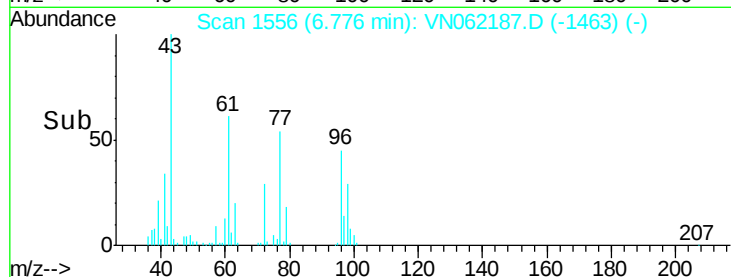
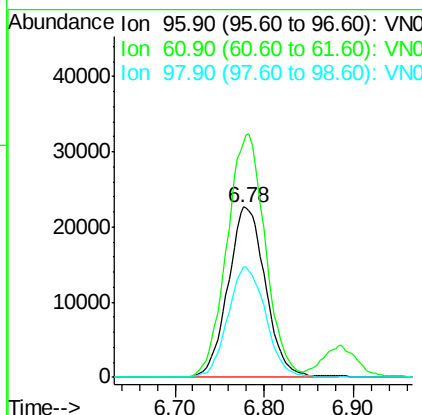
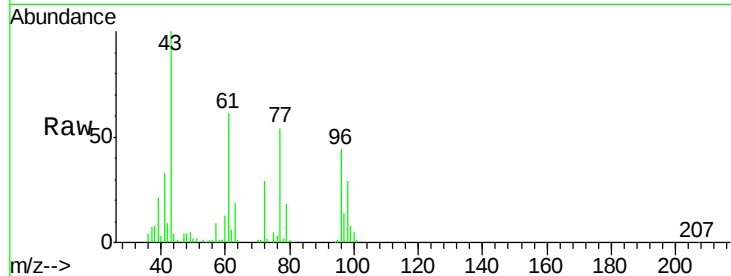
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	66078		
61	145.6		0.0	280.4
98	65.1		0.0	129.4

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#28

Bromochloromethane

Concen: 18.118 ug/l

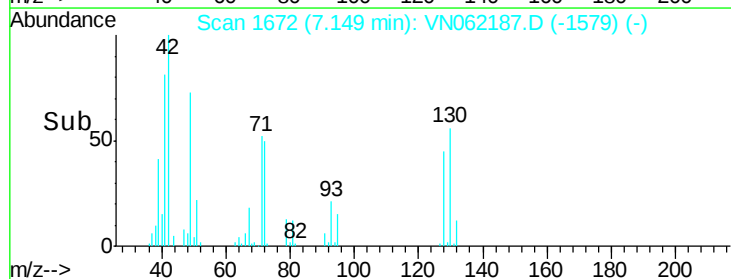
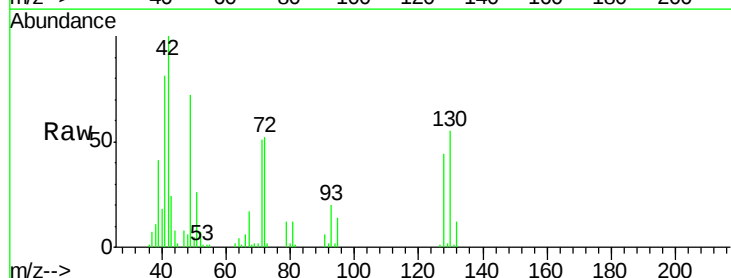
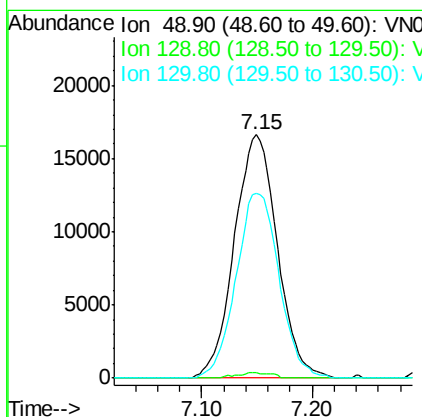
RT: 7.15 min Scan# 1672

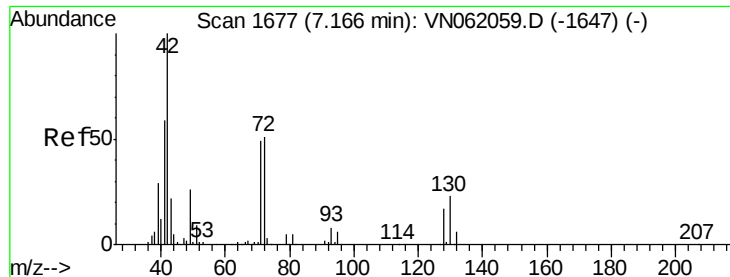
Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	44917		
129	1.8		0.0	4.4
130	76.2		65.5	98.3





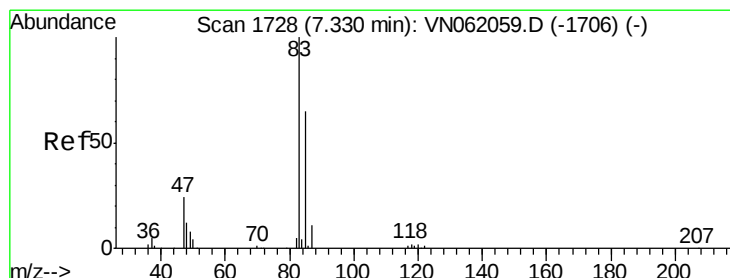
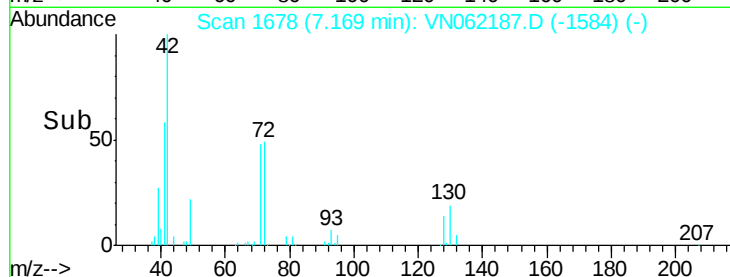
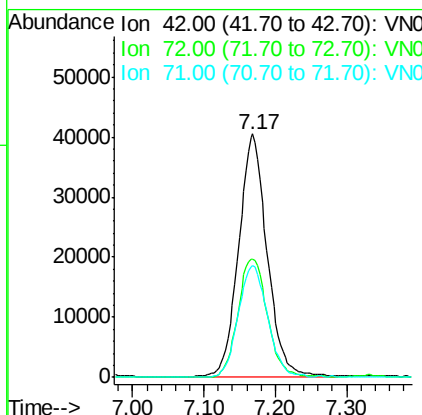
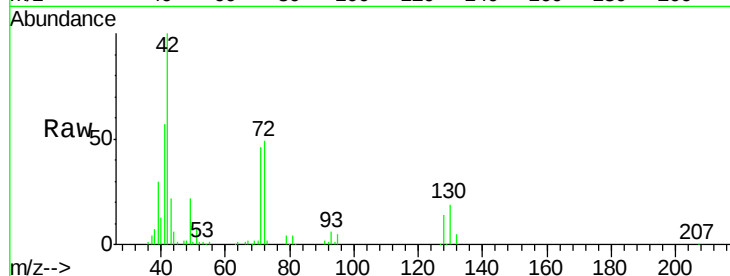
#29
Tetrahydrofuran
Concen: 101.138 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	41.1	61.7
71	46.8	38.2	57.4

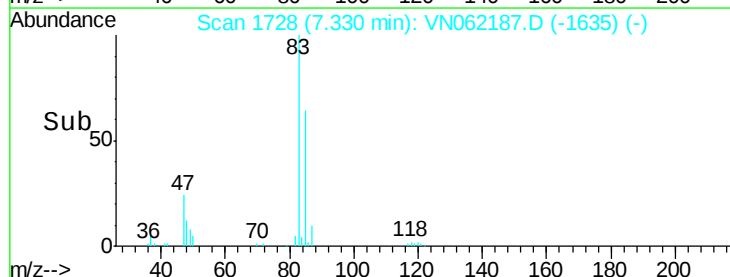
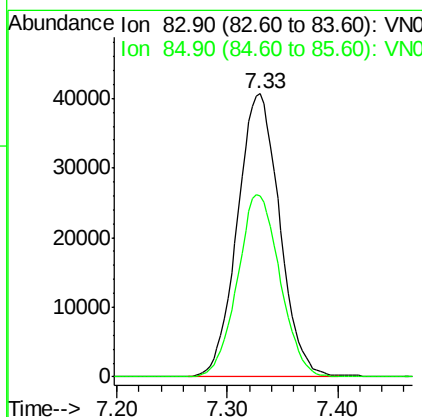
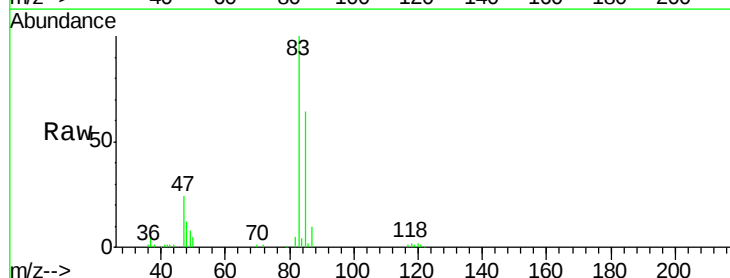
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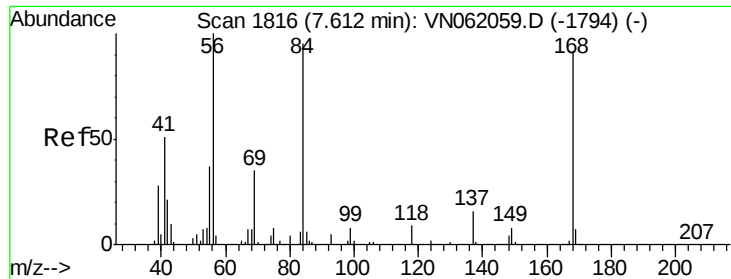
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#30
Chloroform
Concen: 18.551 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.3	78.5





#31

Cyclohexane

Concen: 18.916 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion: 56 Resp: 91422

Ion Ratio Lower Upper

56 100

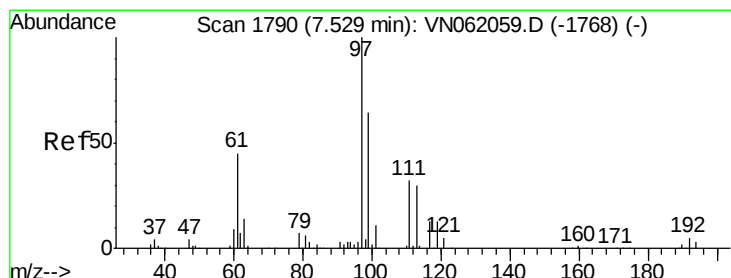
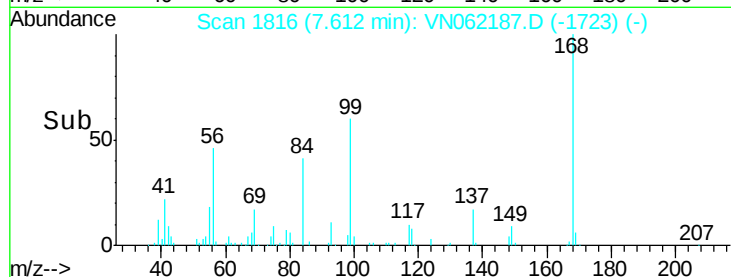
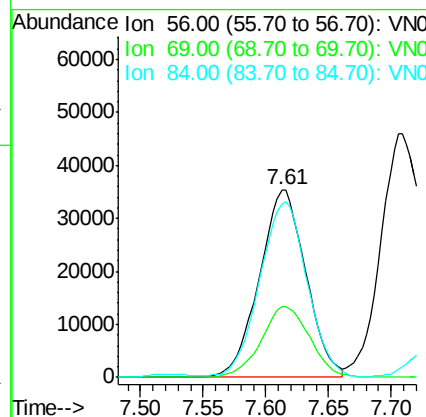
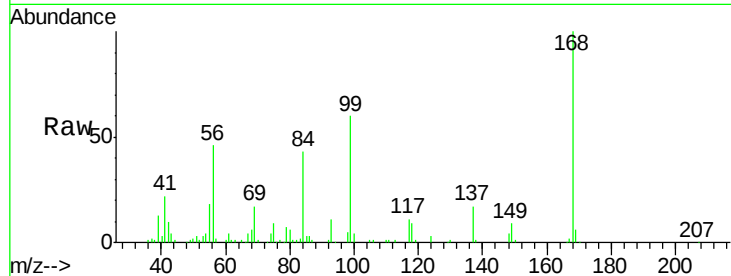
69 37.4 28.0 42.0

84 91.6 76.1 114.1

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#32

1,1,1-Trichloroethane

Concen: 18.373 ug/l

RT: 7.53 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

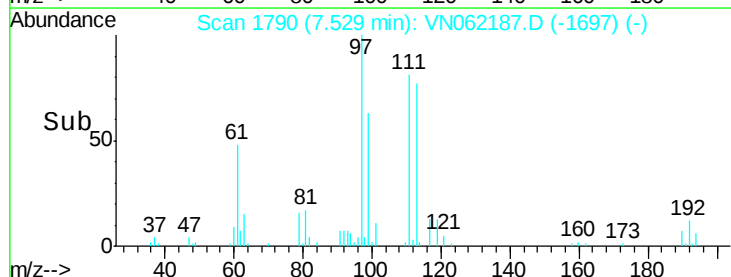
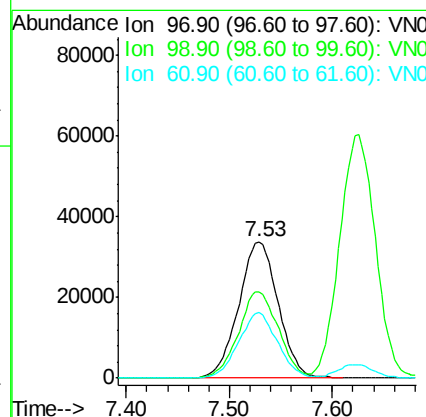
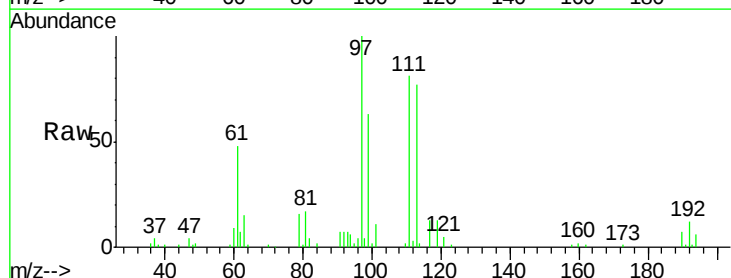
Tgt Ion: 97 Resp: 90076

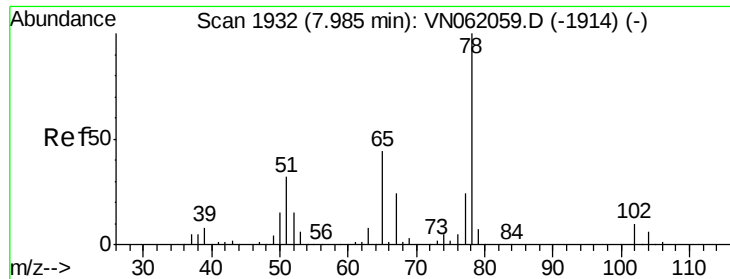
Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

61 47.1 36.2 54.2





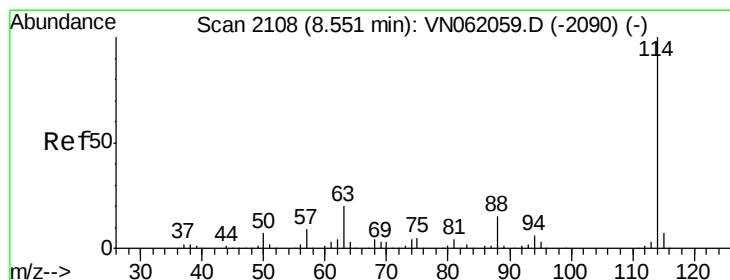
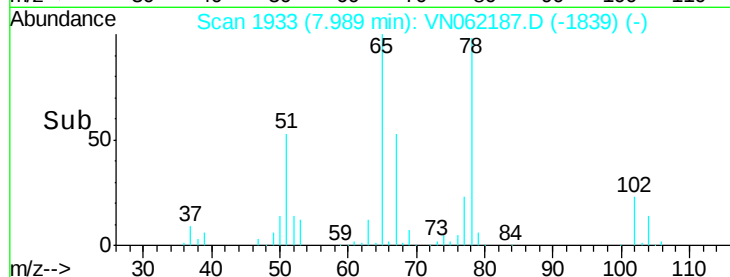
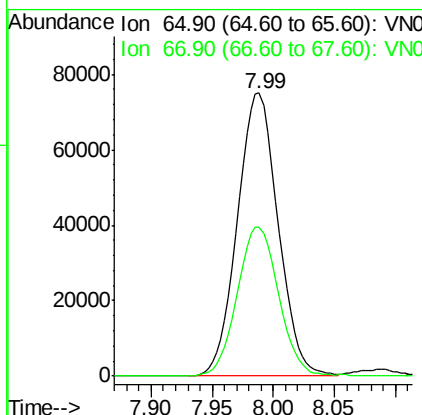
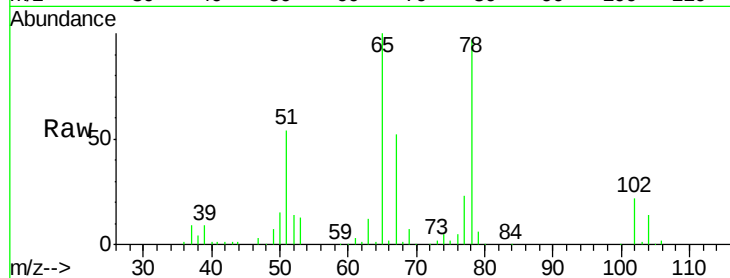
#33
 1,2-Dichloroethane-d4
 Concen: 49.636 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	173638		
67	53.4	0.0	106.2	

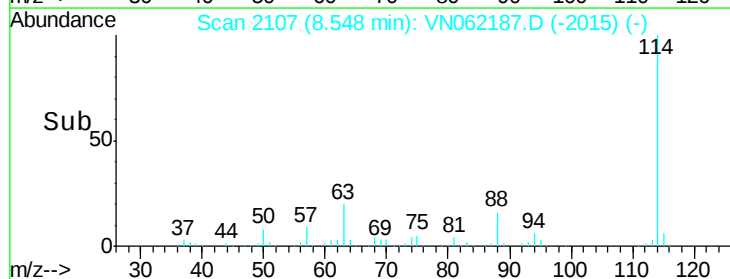
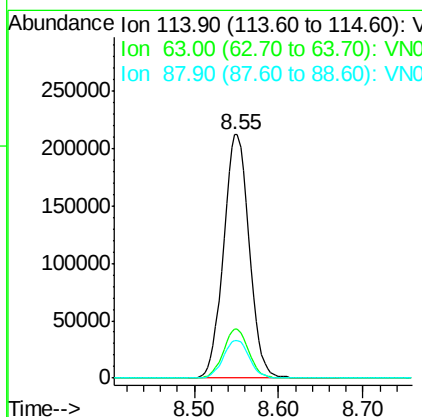
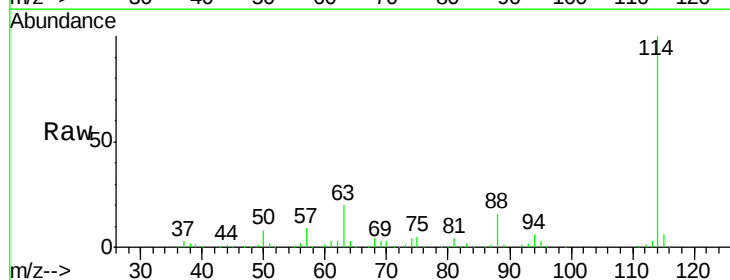
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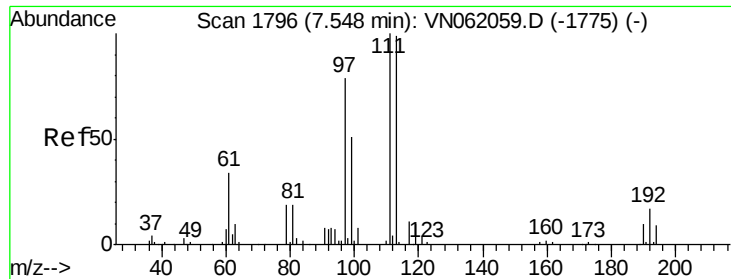
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2107
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	448305		
63	20.2	0.0	39.2	
88	15.6	0.0	30.8	





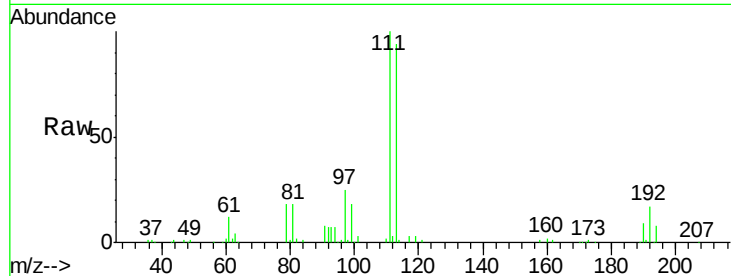
#35
 Dibromofluoromethane
 Concen: 48.379 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

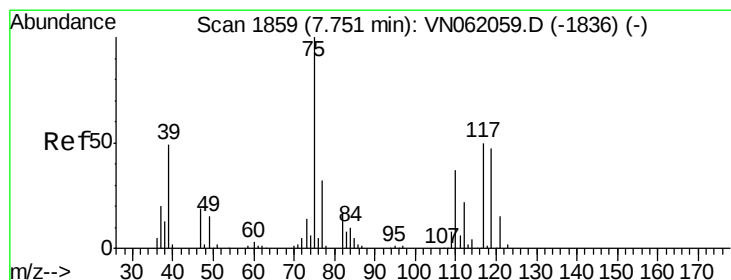
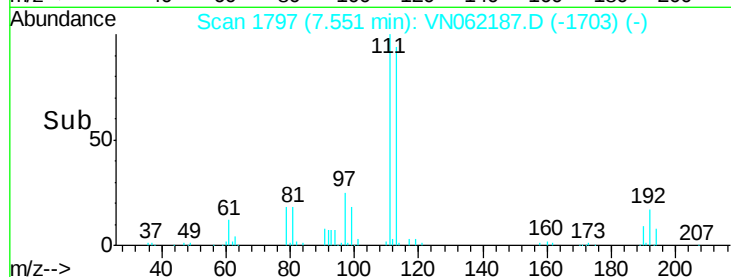
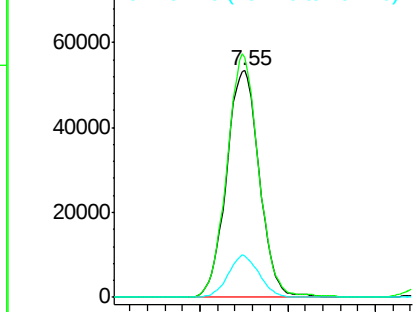
Tot Ion	Ratio	Resp	Lower	Upper
113	100	139141		
111	103.0	82.2	123.4	
192	17.5	14.0	21.0	

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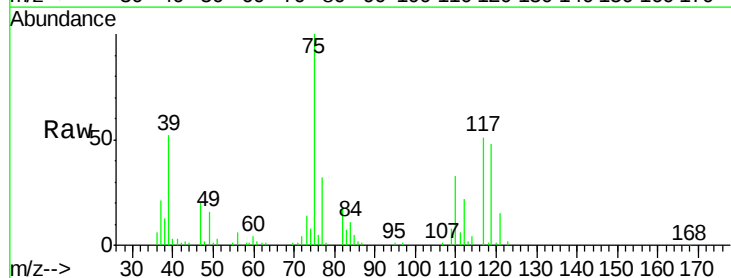


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

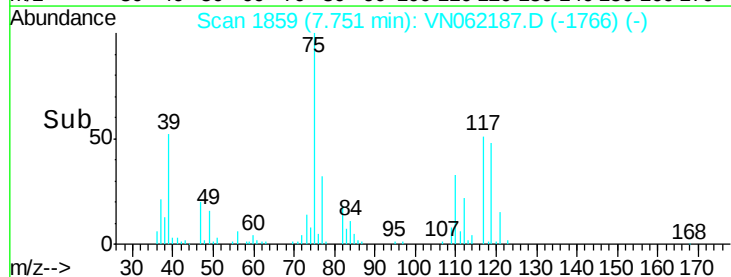
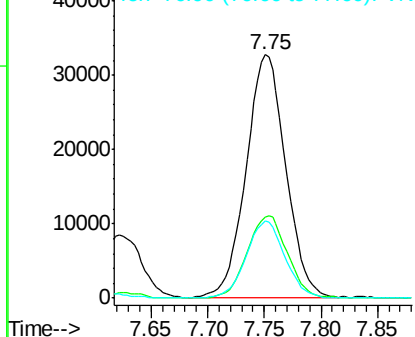


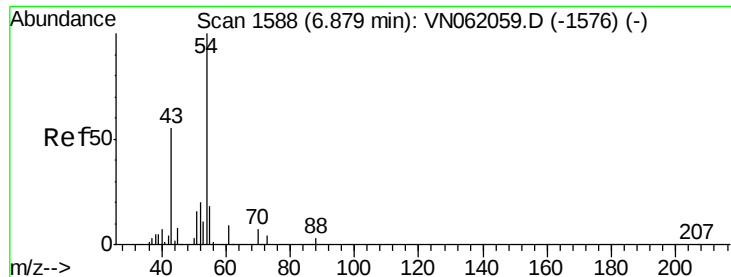
#36
 1,1-Dichloropropene
 Concen: 17.749 ug/l
 RT: 7.75 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79978		
110	34.0	17.9	53.8	
77	30.8	24.9	37.3	



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





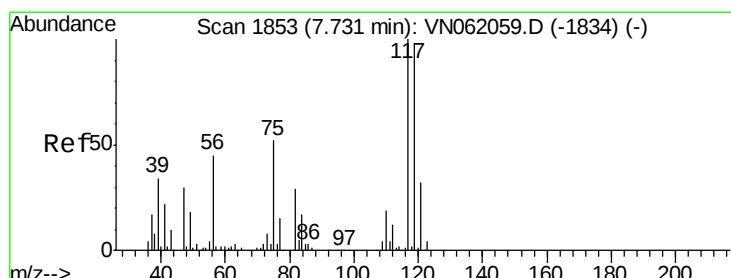
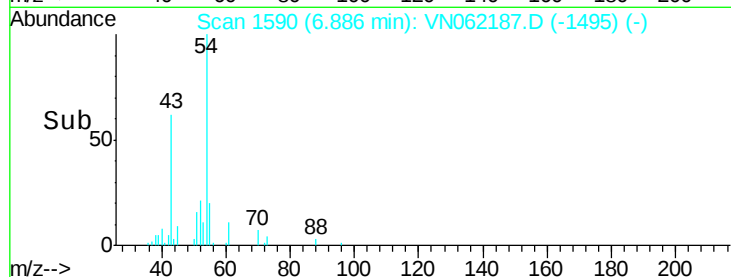
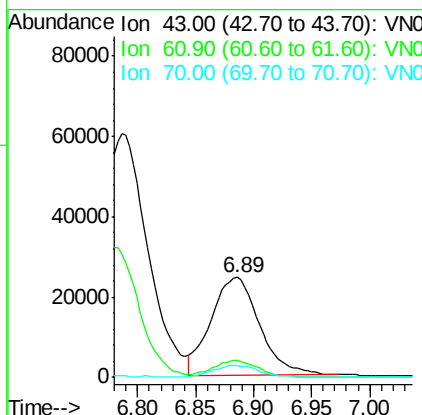
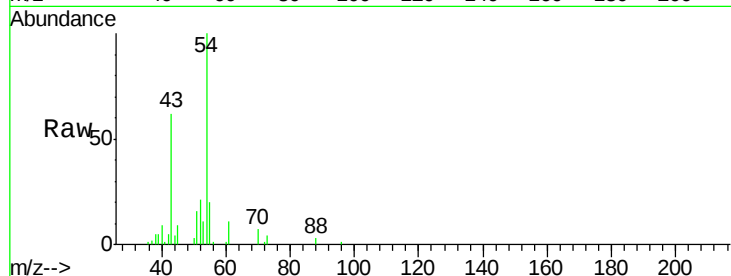
#37
Ethyl Acetate
Concen: 19.221 ug/l
RT: 6.89 min Scan# 1590
Delta R.T. 0.01 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampled :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	12.0	18.0
70	11.6	9.6	14.4

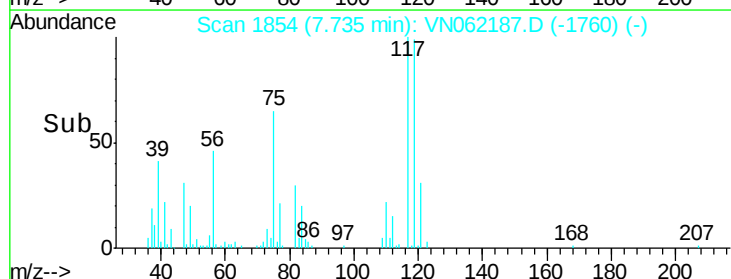
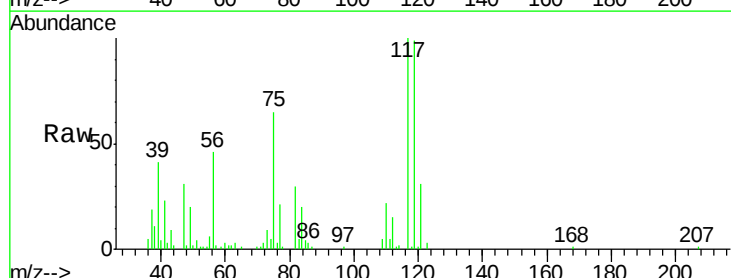
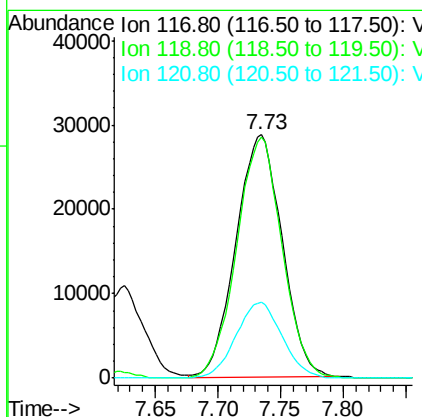
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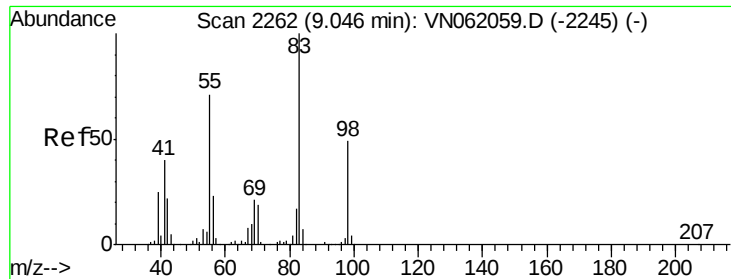
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#38
Carbon Tetrachloride
Concen: 17.261 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	78.2	117.2
121	31.4	25.8	38.6





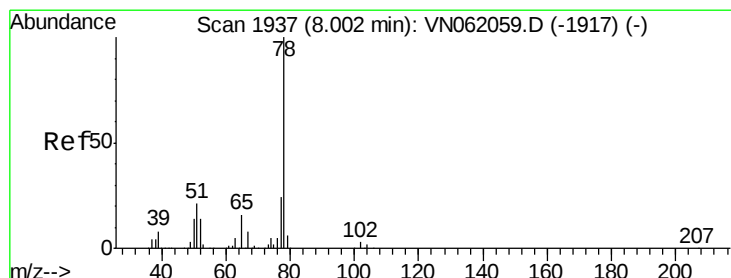
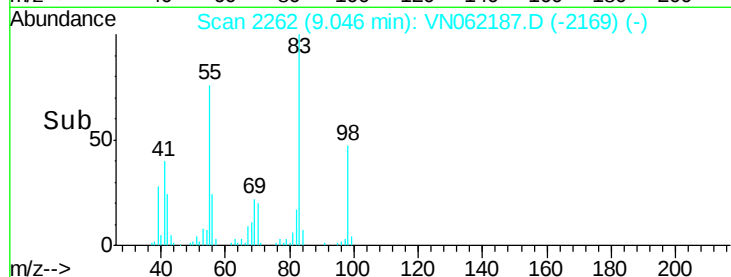
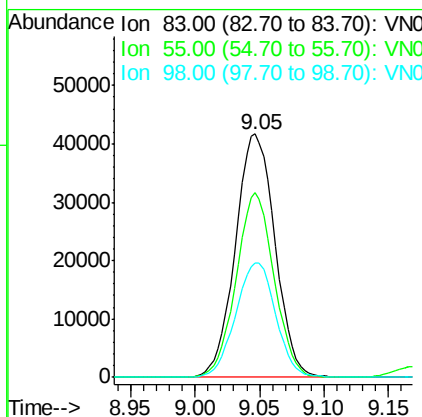
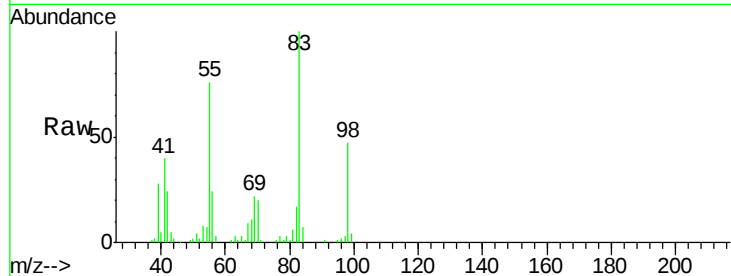
#39
Methvlcvclohexane
Concen: 18.063 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	83	Resp	89182
Ion Ratio	Lower	Upper	
83	100		
55	75.8	57.0	85.6
98	46.7	39.0	58.6

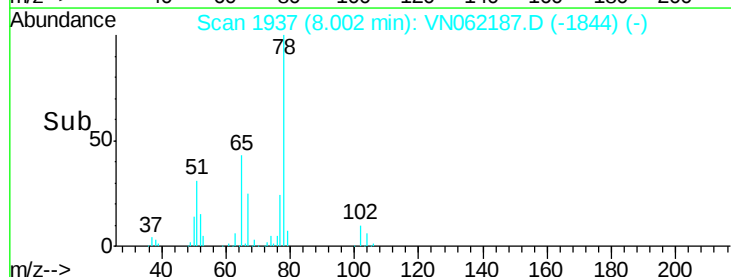
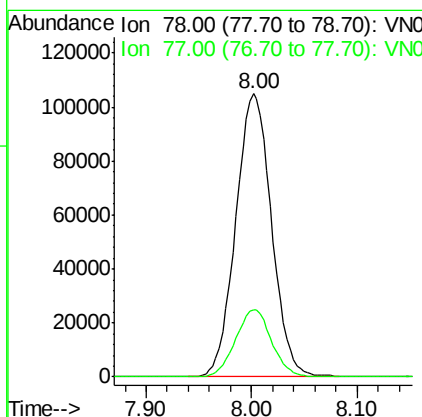
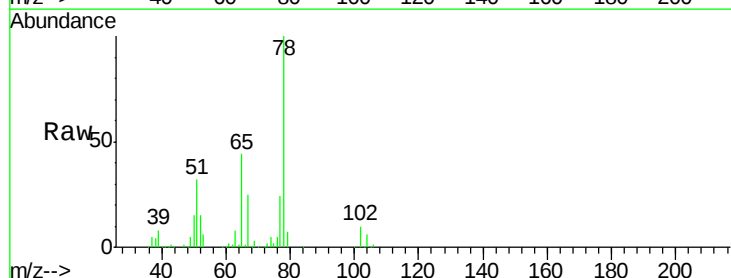
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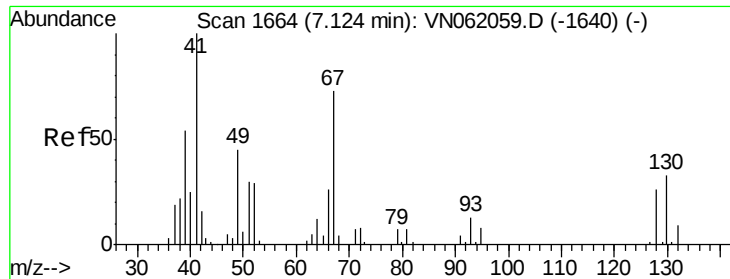
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#40
Benzene
Concen: 18.008 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	78	Resp	247335
Ion Ratio	Lower	Upper	
78	100		
77	23.8	19.5	29.3





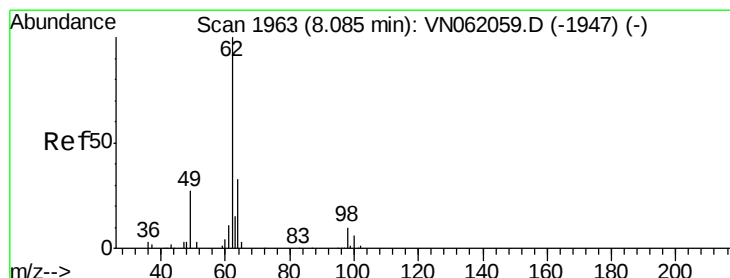
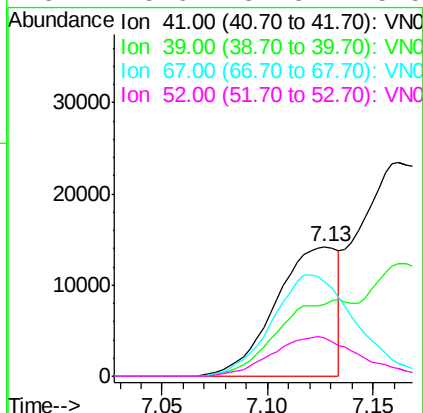
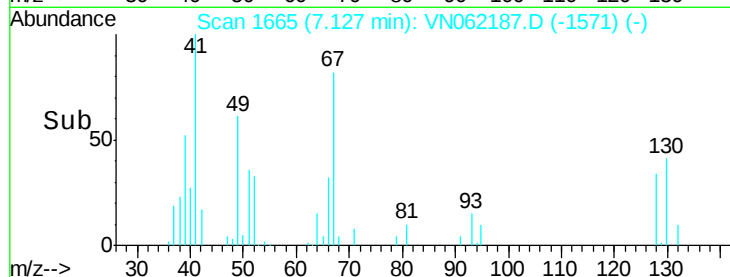
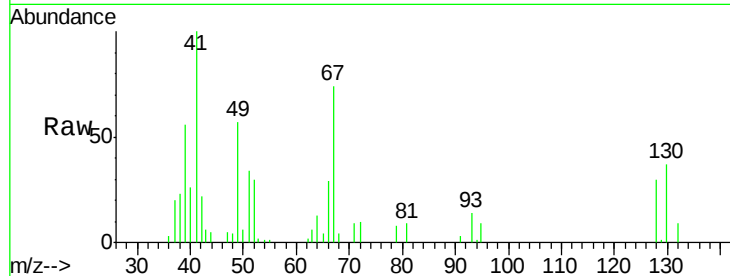
#41
Methacrylonitrile
Concen: 16.819 ug/l
RT: 7.13 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	41	Resp	29094
Ion Ratio	Lower	Upper	
41	100		
39	68.3	44.2	66.2#
67	107.5	79.5	119.3
52	43.6	32.3	48.5

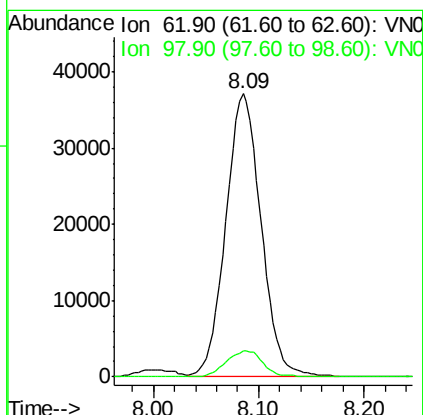
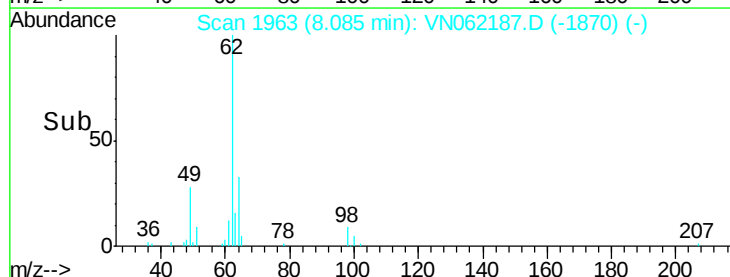
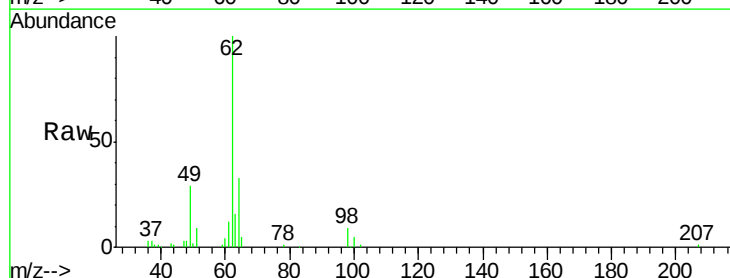
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#42
1,2-Dichloroethane
Concen: 18.607 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	62	Resp	86344
Ion Ratio	Lower	Upper	
62	100		
98	9.5	0.0	19.8





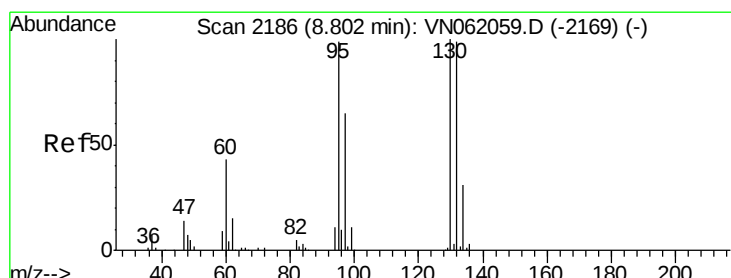
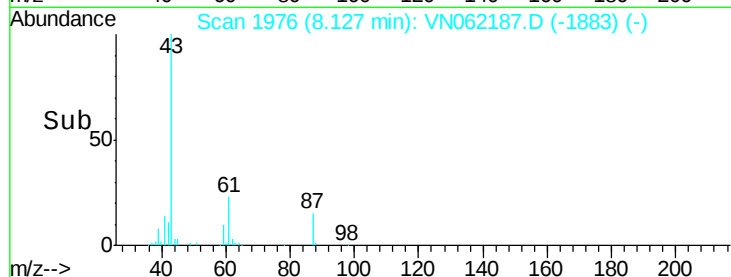
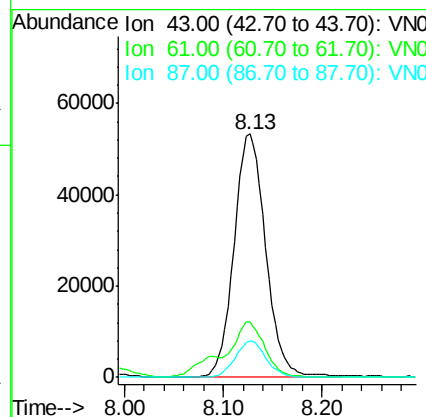
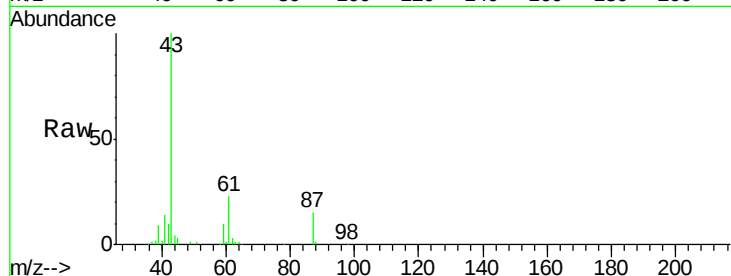
#43
Isopropyl Acetate
Concen: 19.709 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.5	17.2	25.8
87	14.4	12.1	18.1

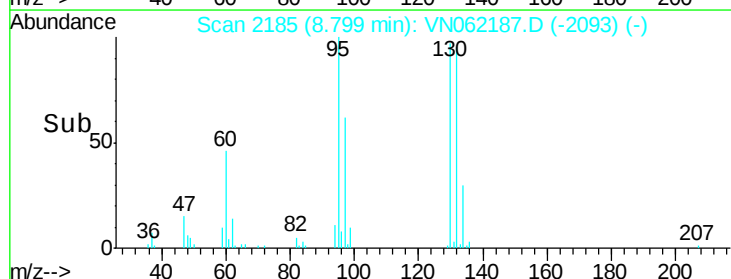
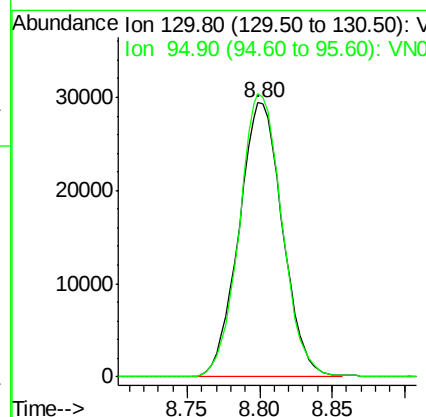
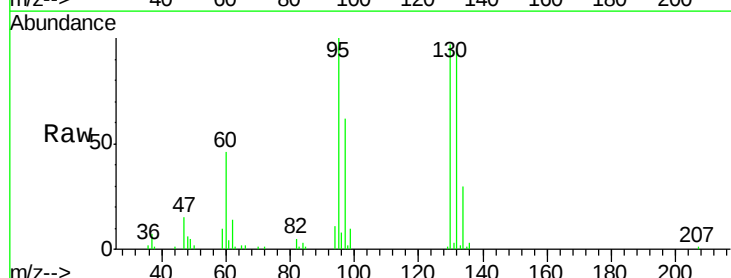
Manual Integrations
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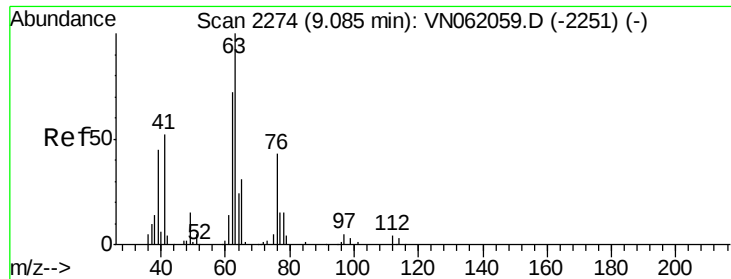
MMDadoda
6/30/2020 10:43:41 AM



#44
Trichloroethene
Concen: 17.754 ug/l
RT: 8.80 min Scan# 2185
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	197.8





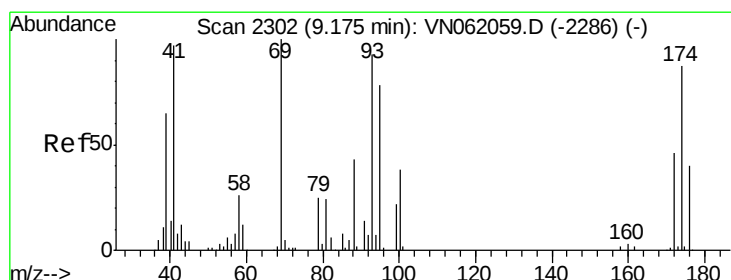
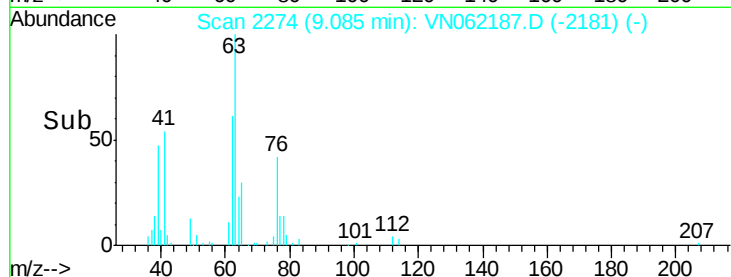
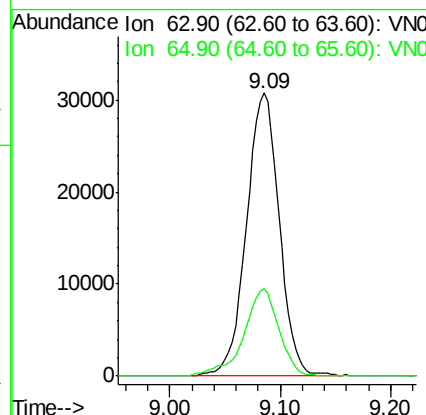
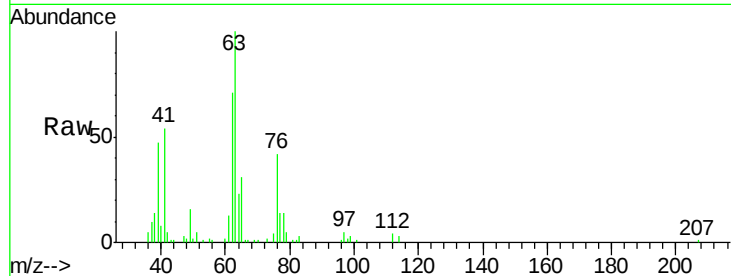
#45
 1,2-Dichloropropane
 Concen: 18.726 ug/l
 RT: 9.09 min Scan# 2274
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion: 63 Resp: 63450
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.0 37.4

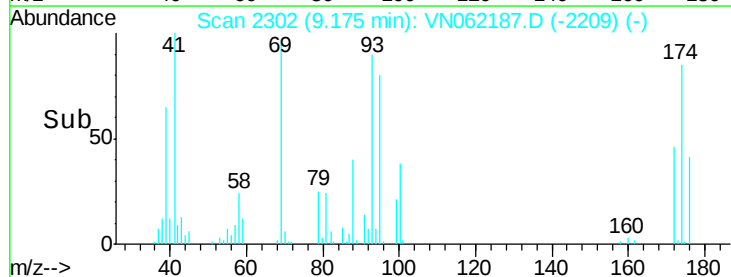
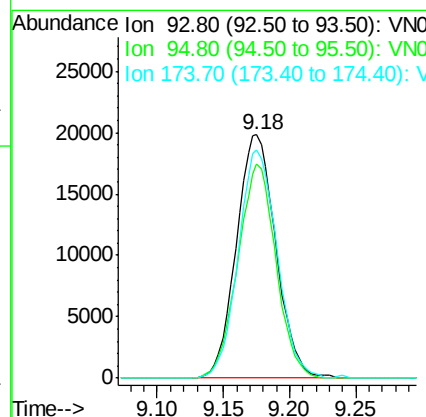
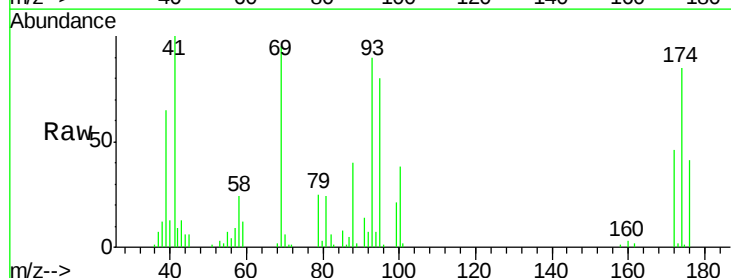
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#46
 Dibromomethane
 Concen: 17.851 ug/l
 RT: 9.18 min Scan# 2302
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion: 93 Resp: 41009
 Ion Ratio Lower Upper
 93 100
 95 84.9 67.0 100.6
 174 92.0 74.4 111.6





#47

Bromodichloromethane

Concen: 17.878 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

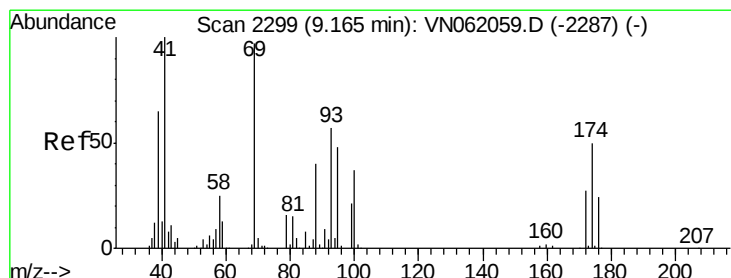
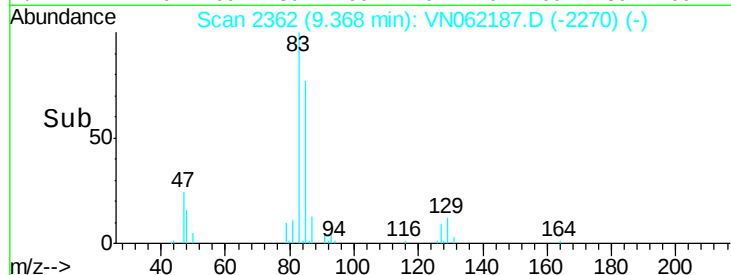
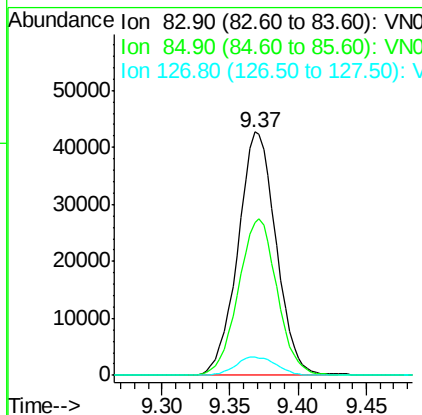
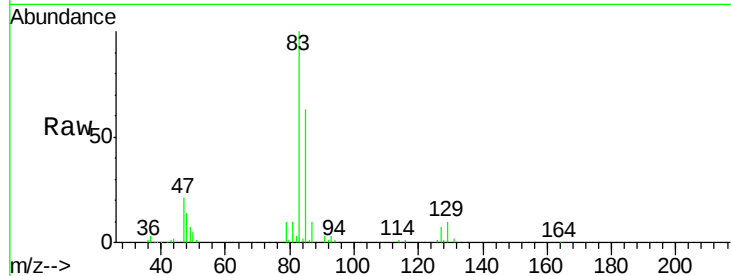
ClientSampleId :

VN0629WBSD01

Tot Ion:	83	Resp:	82930
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.3	75.5
127	7.4	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.071 ug/l

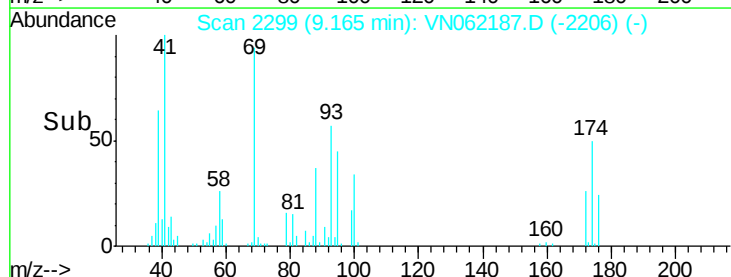
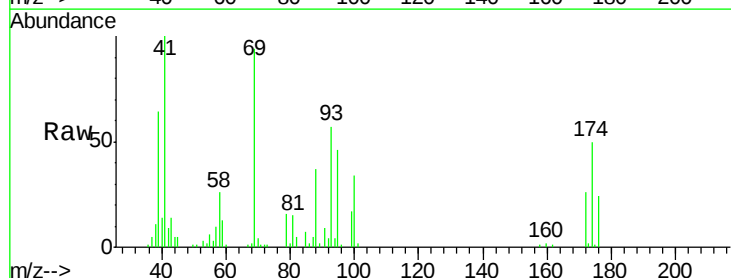
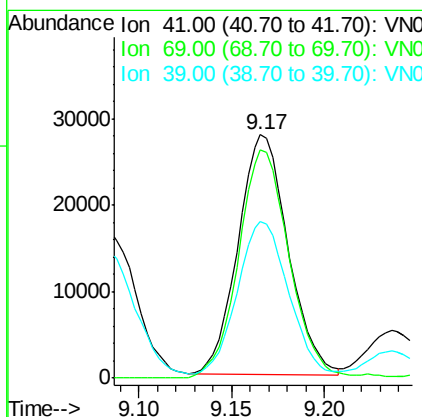
RT: 9.17 min Scan# 2299

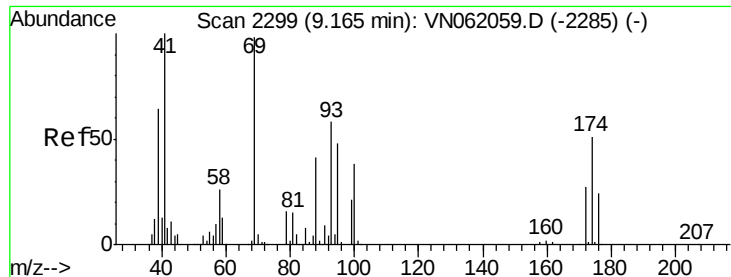
Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Tgt Ion:	41	Resp:	52013
Ion	Ratio	Lower	Upper
41	100		
69	96.4	80.7	121.1
39	68.5	54.5	81.7





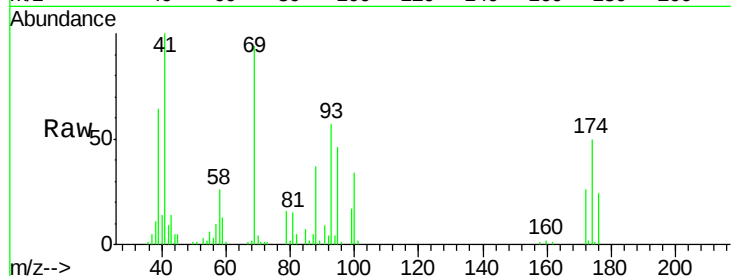
#49
1,4-Dioxane
Concen: 367.205 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	22.0	33.0#
58	62.9	49.2	73.8

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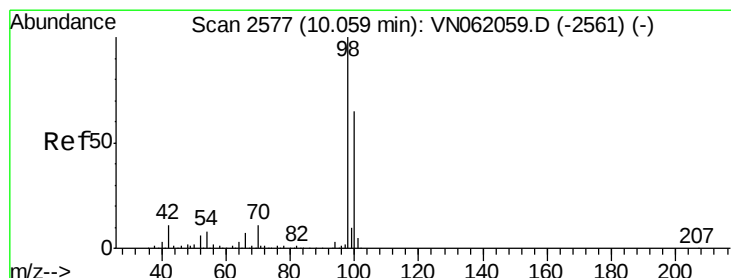
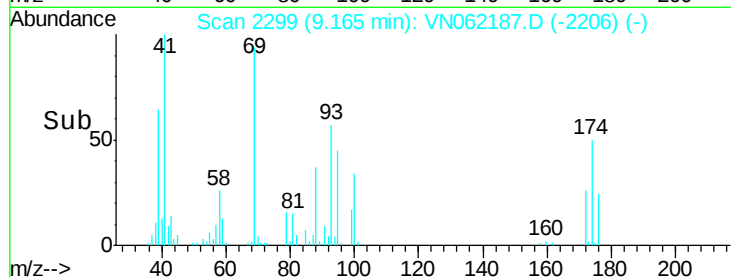
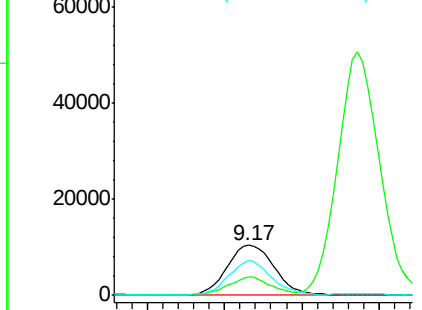


Abundance

Ion 88.00 (87.70 to 88.70): VN062187.D (-2206) (-)

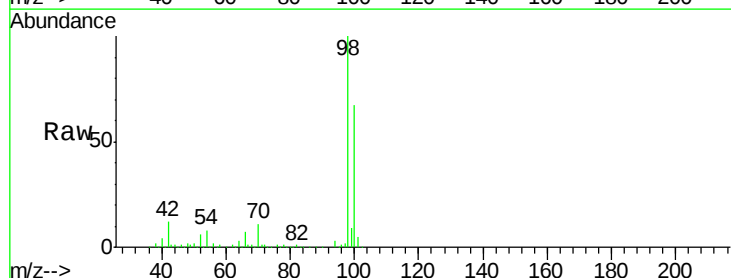
Ion 43.00 (42.70 to 43.70): VN062187.D (-2206) (-)

Ion 58.00 (57.70 to 58.70): VN062187.D (-2206) (-)



#50
Toluene-d8
Concen: 47.637 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

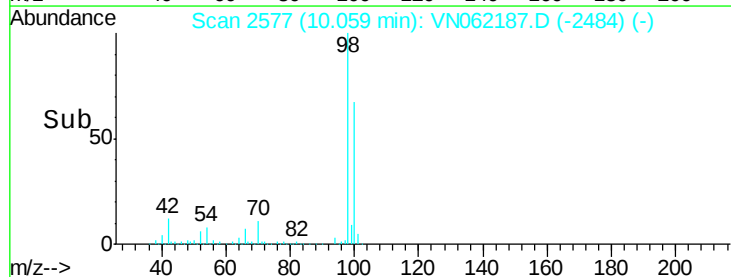
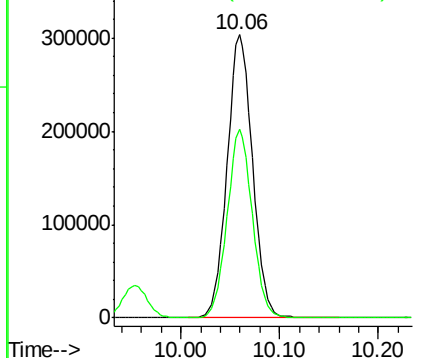
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	51.2	76.8

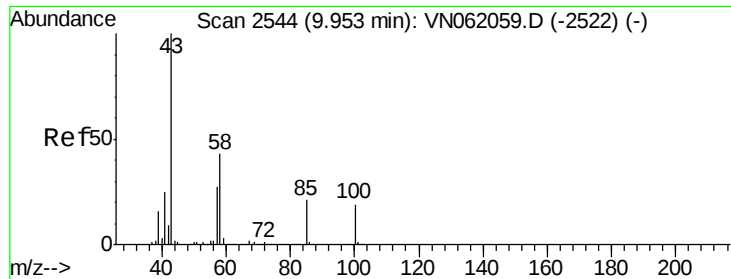


Abundance

Ion 98.00 (97.70 to 98.70): VN062187.D (-2484) (-)

Ion 100.00 (99.70 to 100.70): VN062187.D (-2484) (-)





#51

4-Methyl-2-Pentanone

Concen: 100.468 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD01

Tot Ion: 43 Resp: 357047

Ion Ratio Lower Upper

43 100

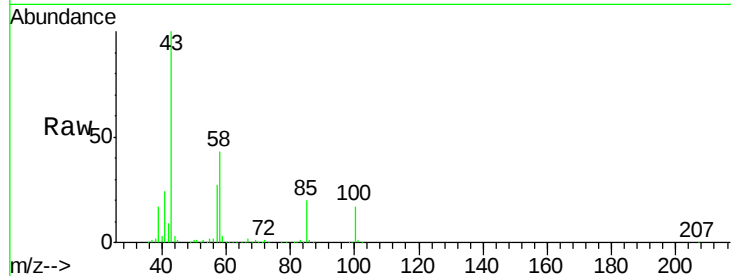
58 42.4 34.2 51.2

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Abundance Ion 43.00 (42.70 to 43.70): VN062187.D (-2451) (-)

Ion 58.00 (57.70 to 58.70): VN062187.D (-2451) (-)

9.95

200000

150000

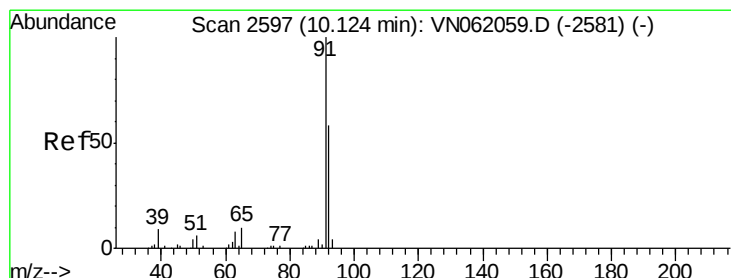
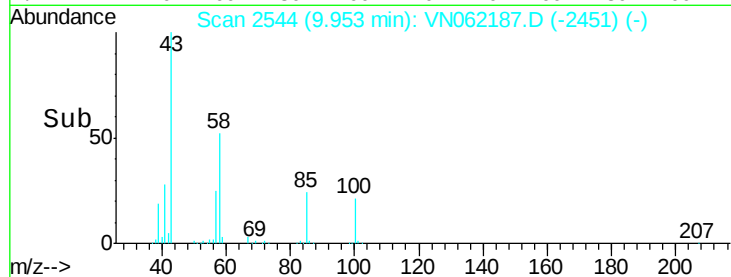
100000

50000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 18.389 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062187.D

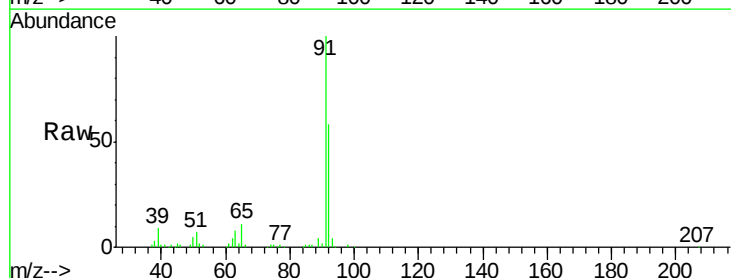
Acq: 29 Jun 2020 14:53

Tgt Ion: 92 Resp: 154100

Ion Ratio Lower Upper

92 100

91 172.2 137.4 206.0



Abundance Ion 92.00 (91.70 to 92.70): VN062187.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VN062187.D (-2504) (-)

10.12

150000

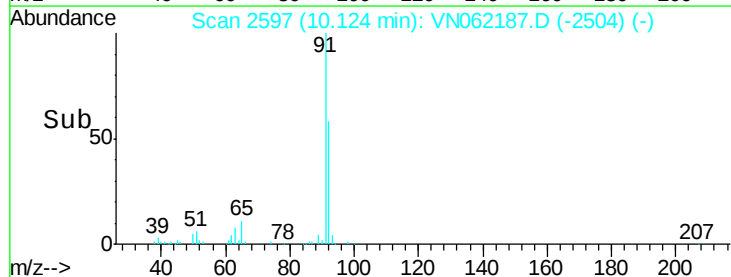
100000

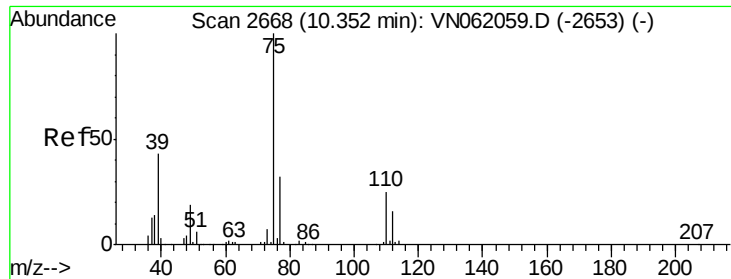
50000

0

10.10 10.12 10.20

Time-->





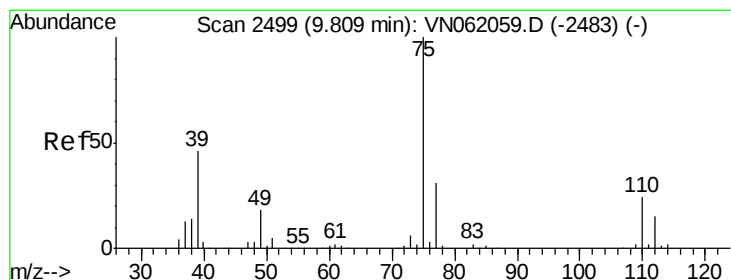
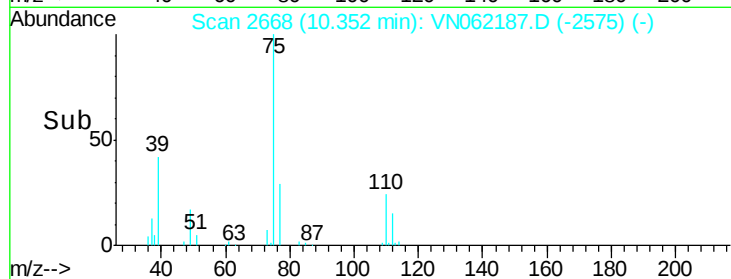
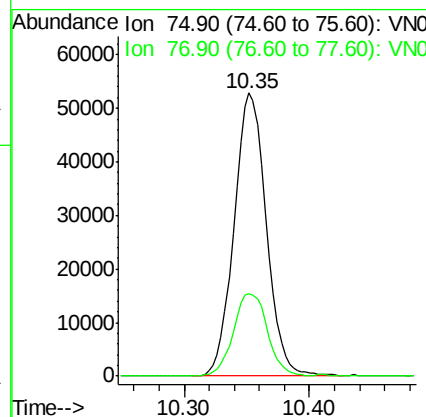
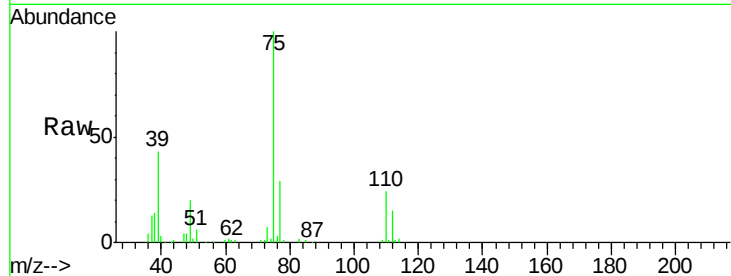
#53
 t-1,3-Dichloropropene
 Concen: 18.519 ug/l
 RT: 10.35 min Scan# 2668
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0629WBSD01

Tot Ion: 75 Resp: 94509
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.5 38.3

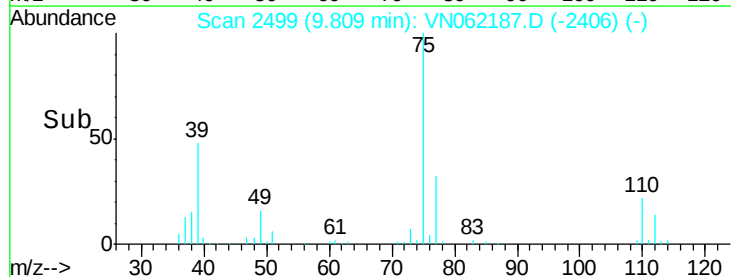
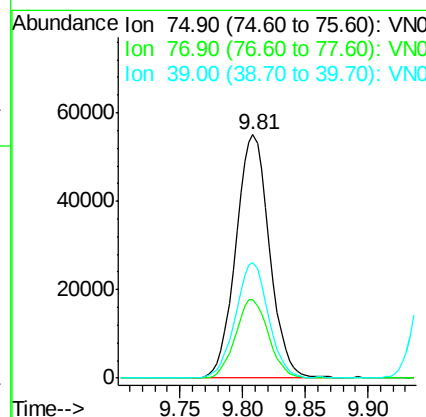
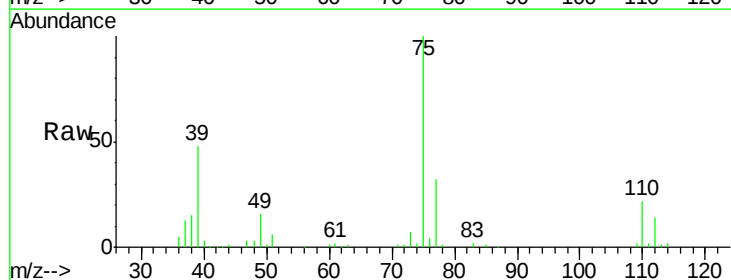
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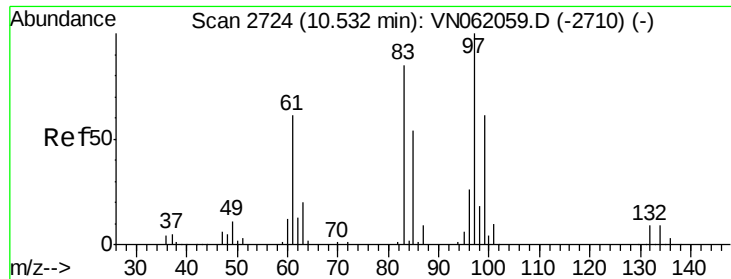
MMDadoda
 6/30/2020 10:43:41 AM



#54
 cis-1,3-Dichloropropene
 Concen: 18.831 ug/l
 RT: 9.81 min Scan# 2499
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion: 75 Resp: 102314
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.0 37.6
 39 47.7 36.9 55.3





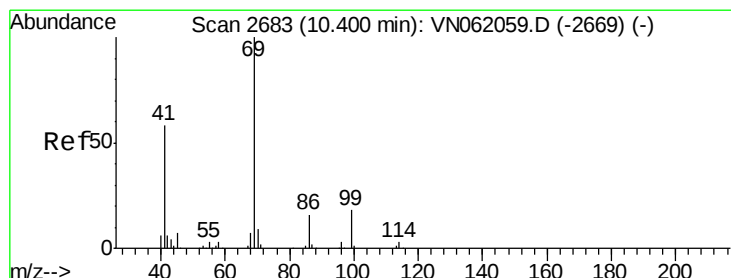
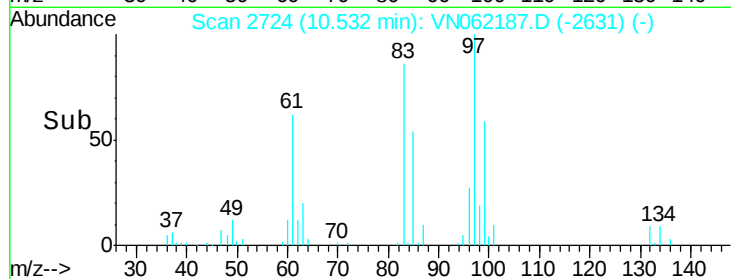
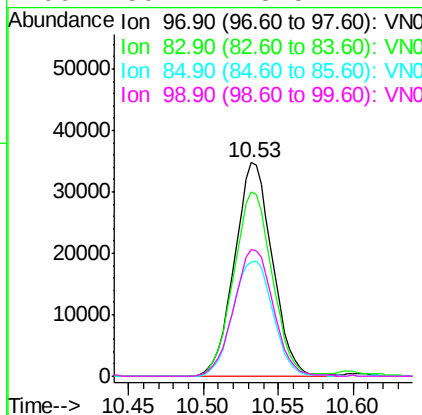
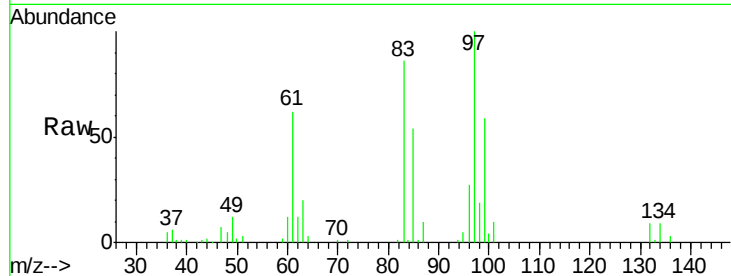
#55
 1,1,2-Trichloroethane
 Concen: 18.646 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion:	97	Resp:	61422
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.2	102.2
85	53.6	43.2	64.8
99	59.1	48.5	72.7

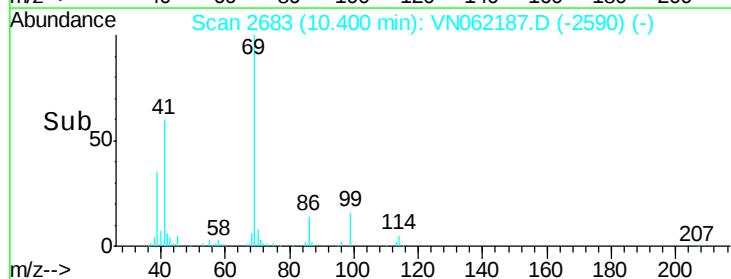
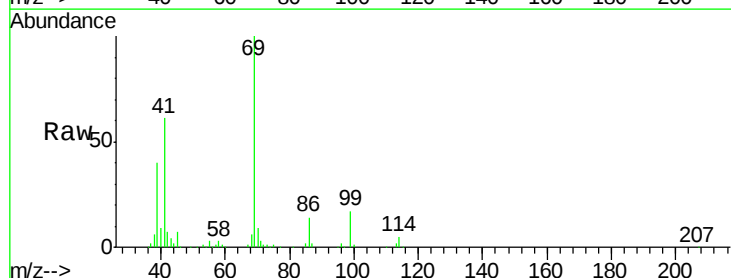
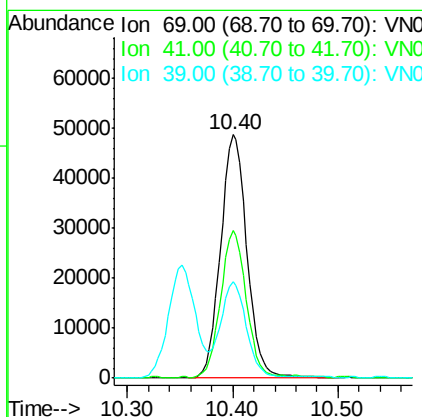
Manual Integrations
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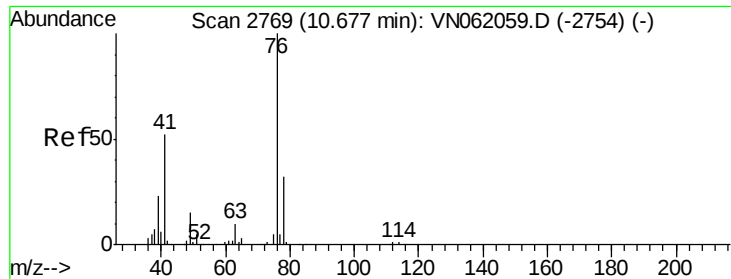
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 6/30/2020 10:43:41 AM



#56
 Ethyl methacrylate
 Concen: 19.261 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion:	69	Resp:	84675
Ion	Ratio	Lower	Upper
69	100		
41	58.0	46.6	70.0
39	37.7	31.0	46.4





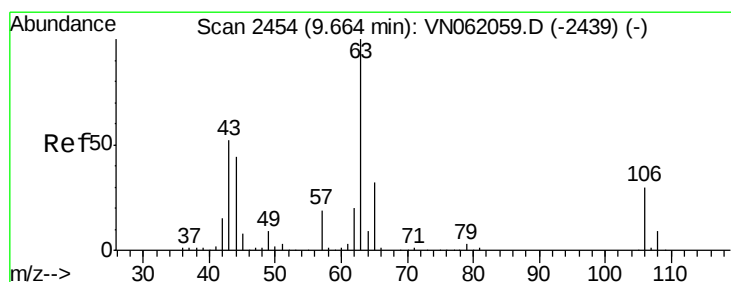
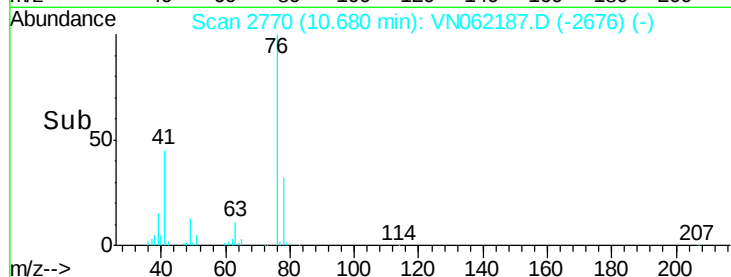
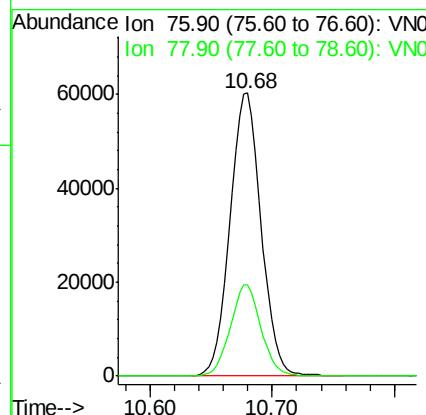
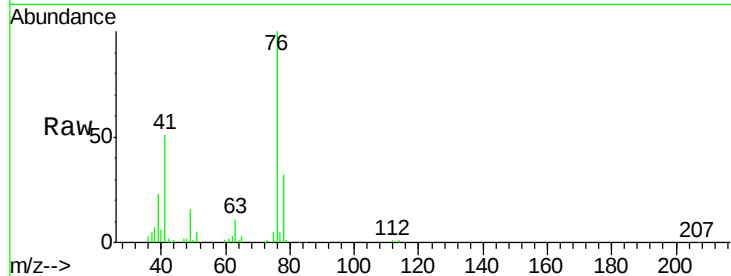
#57
 1,3-Dichloropropane
 Concen: 18.983 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.8	38.8

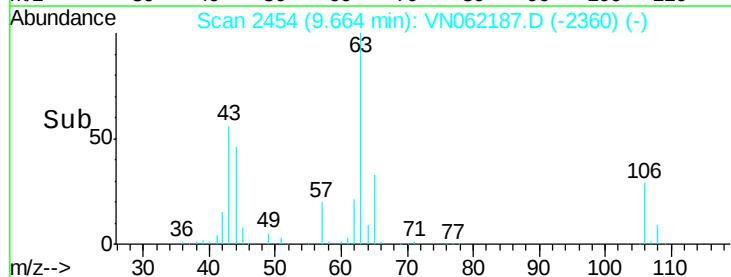
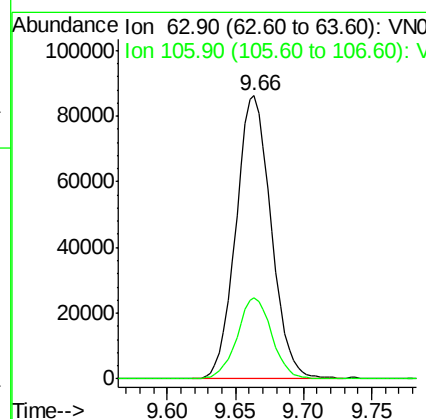
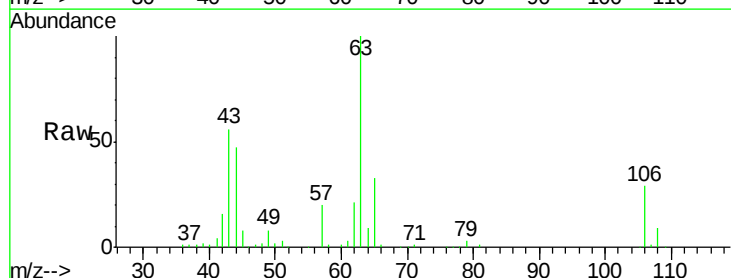
Manual Integrations
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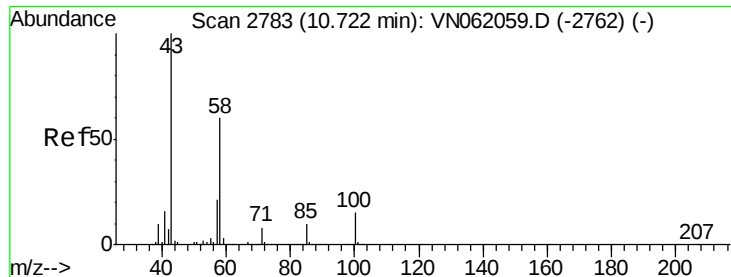
MMDadoda
 6/30/2020 10:43:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.255 ug/l
 RT: 9.66 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.3	23.2	34.8





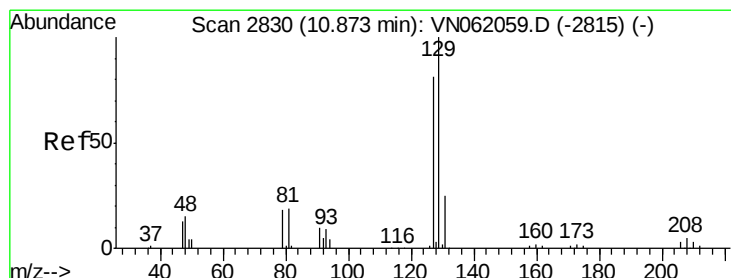
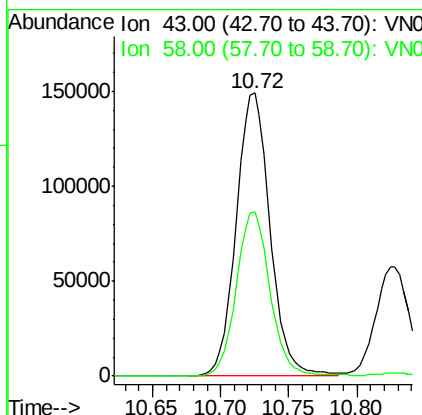
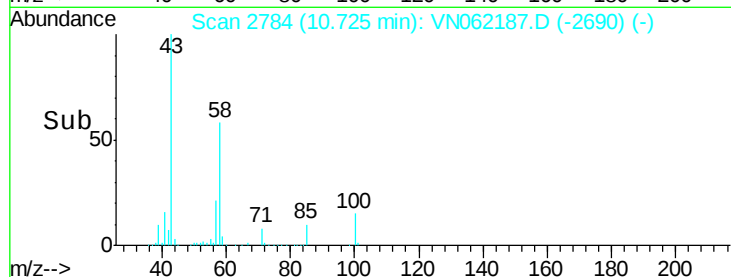
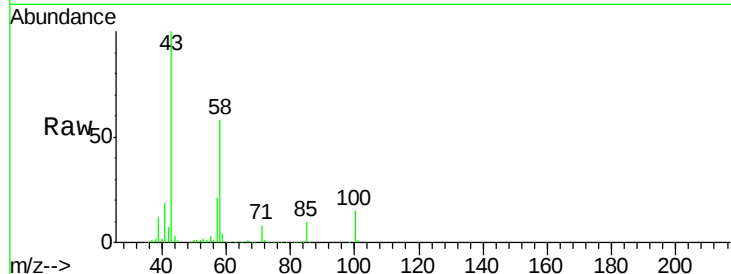
#59
2-Hexanone
Concen: 99.613 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	43	Resp	255630
Ion Ratio	100	Lower	Upper
43	100		
58	58.4	29.5	88.5

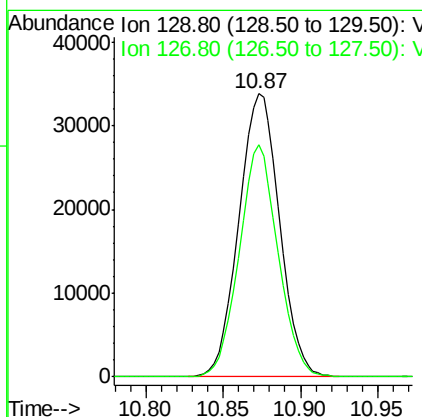
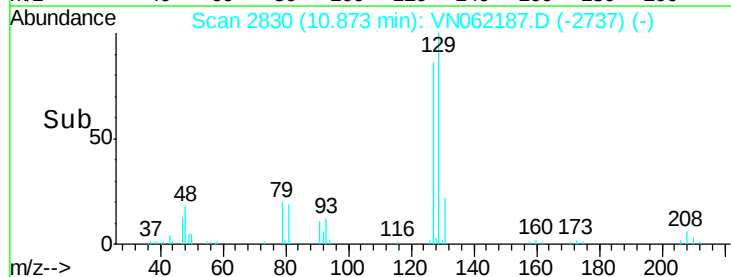
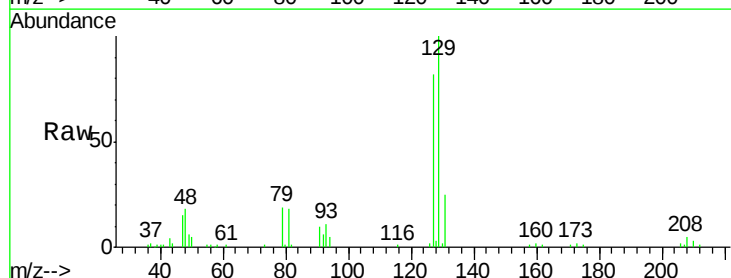
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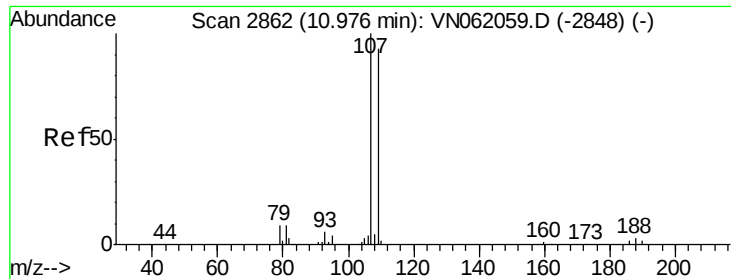
MMDadoda
6/30/2020 10:43:41 AM



#60
Dibromochloromethane
Concen: 17.723 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	129	Resp	61810
Ion Ratio	100	Lower	Upper
129	100		
127	78.0	39.5	118.5





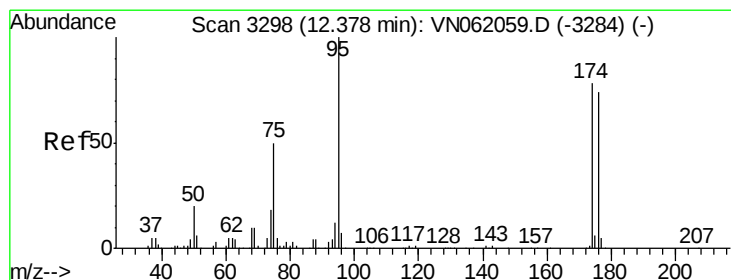
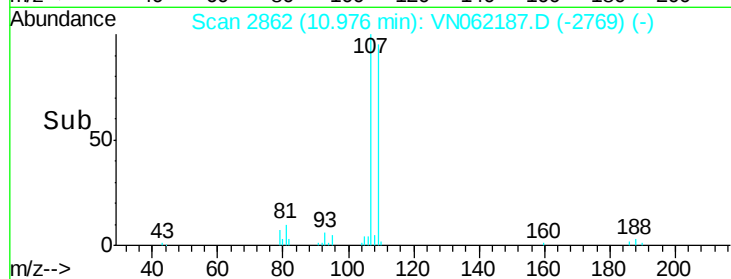
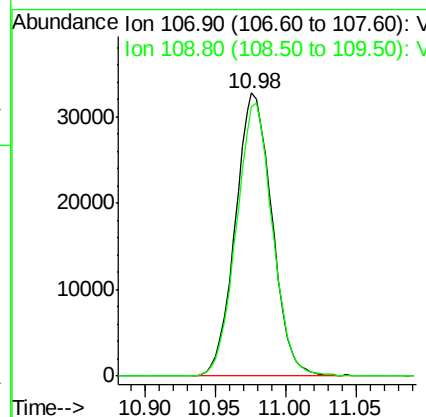
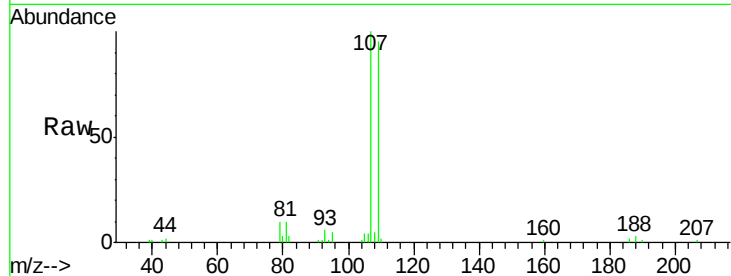
#61
 1,2-Dibromoethane
 Concen: 17.613 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.0	112.6

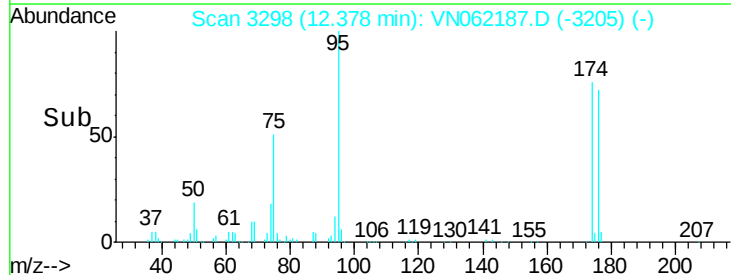
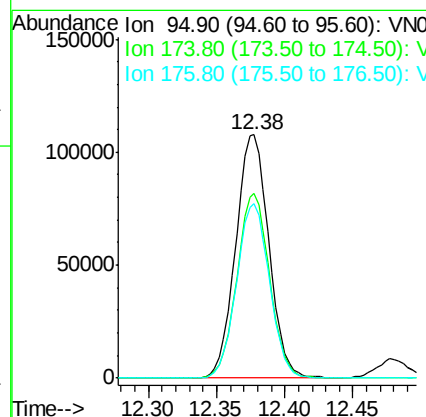
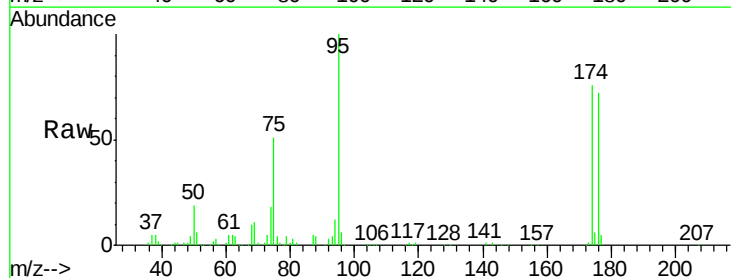
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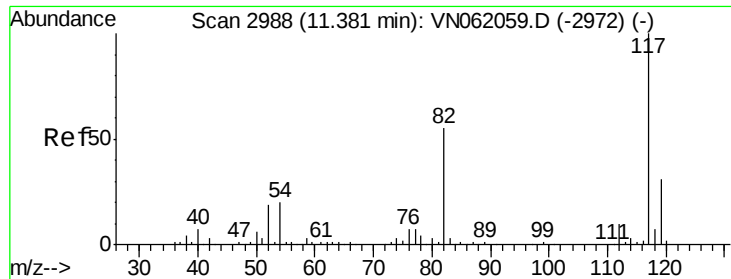
MMDadoda
 6/30/2020 10:43:41 AM



#62
 4-Bromofluorobenzene
 Concen: 46.816 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	154.8
176	71.2	0.0	147.4





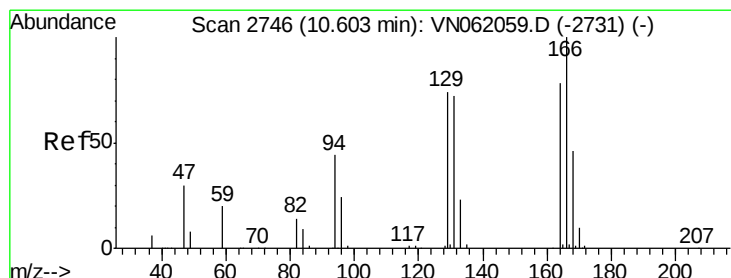
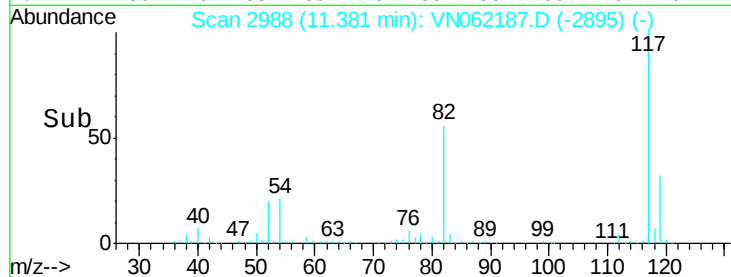
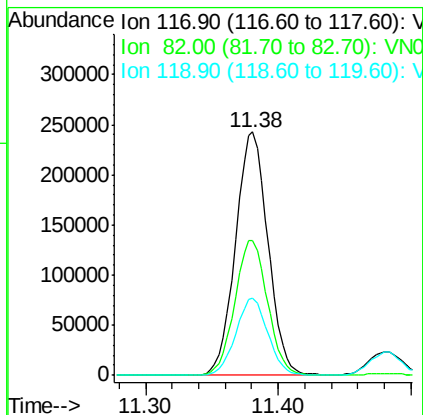
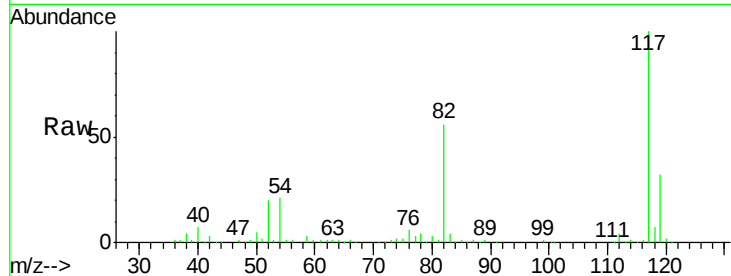
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	43.8	65.8
119	31.5	25.2	37.8

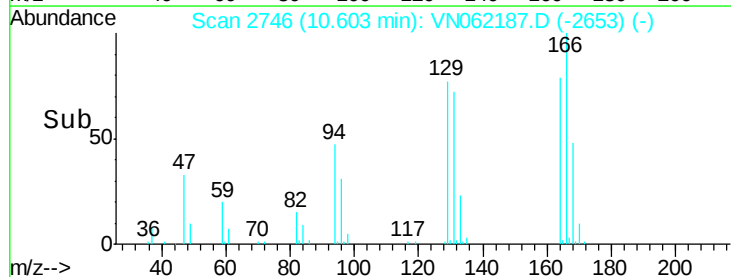
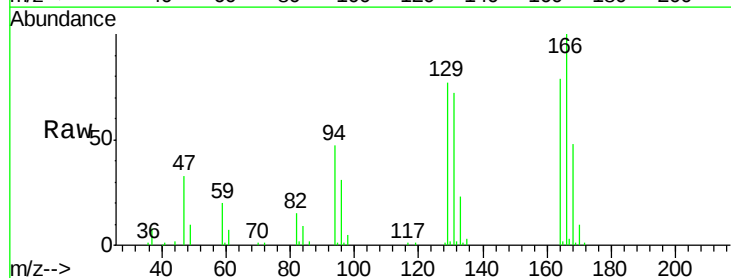
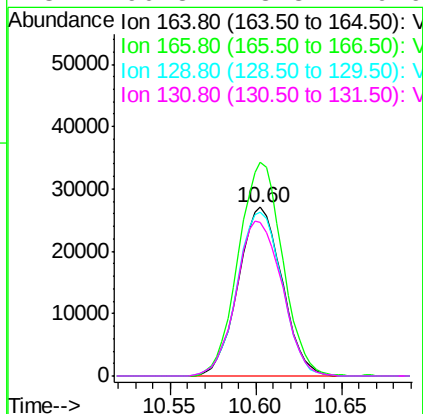
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#64
Tetrachloroethene
Concen: 16.990 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.6	102.9	154.3
129	97.3	75.8	113.8
131	90.8	73.8	110.6





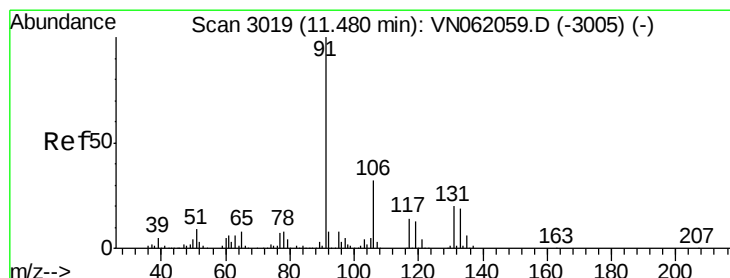
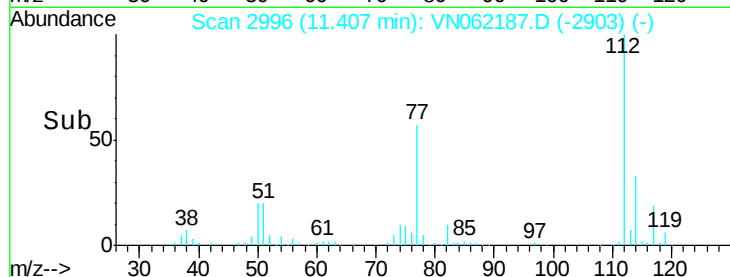
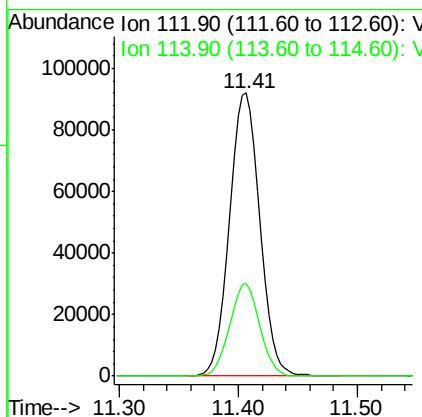
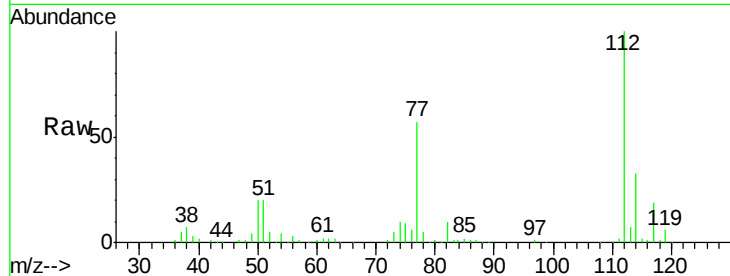
#65
Chlorobenzene
Concen: 17.930 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampled :
VN0629WBSD01

Tot Ion:112 Resp: 162483
Ion Ratio Lower Upper
112 100
114 32.7 25.8 38.8

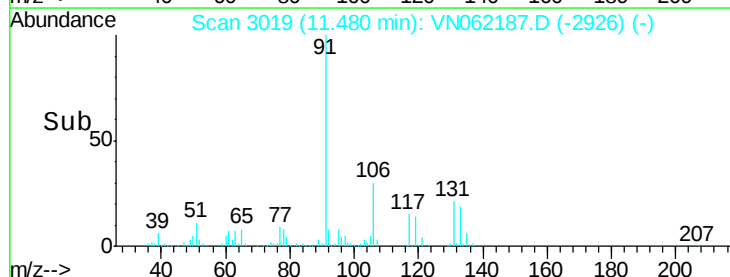
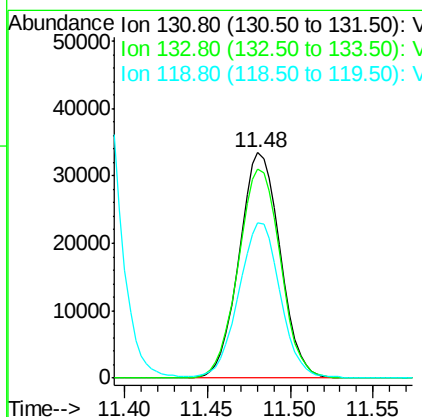
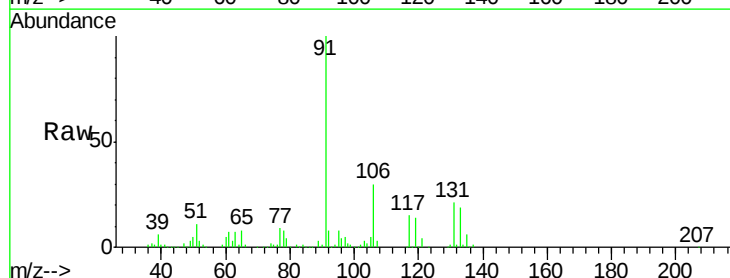
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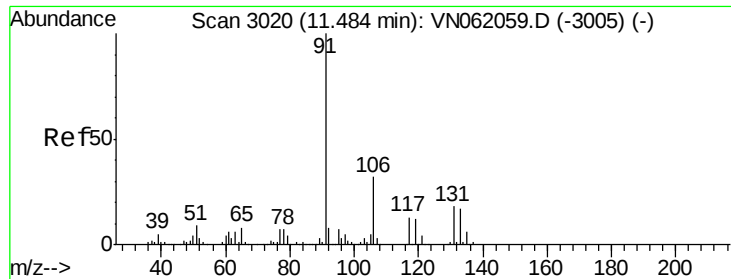
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.394 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion:131 Resp: 57640
Ion Ratio Lower Upper
131 100
133 95.6 47.6 142.9
119 69.9 34.4 103.3





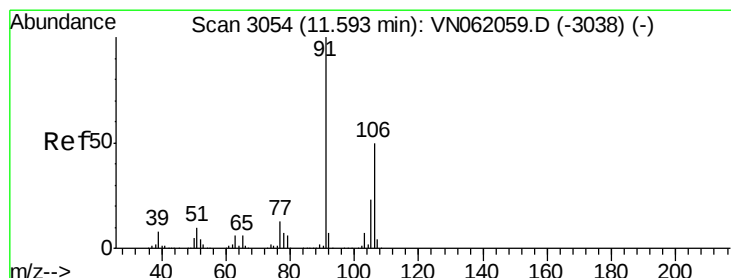
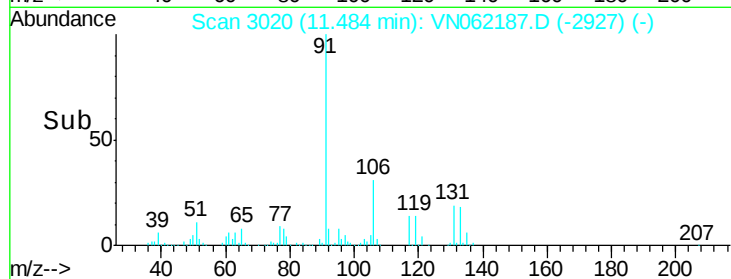
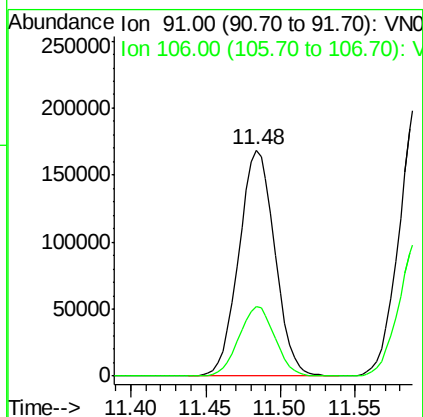
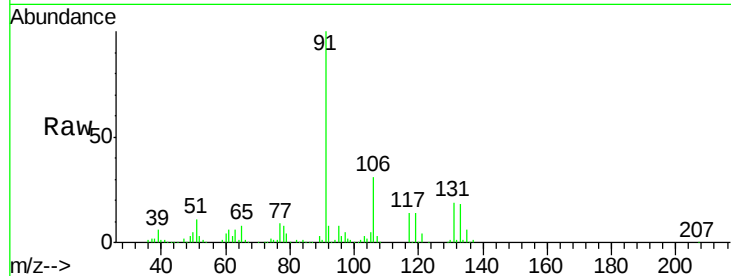
#67
Ethyl Benzene
Concen: 18.456 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.6	25.3	37.9

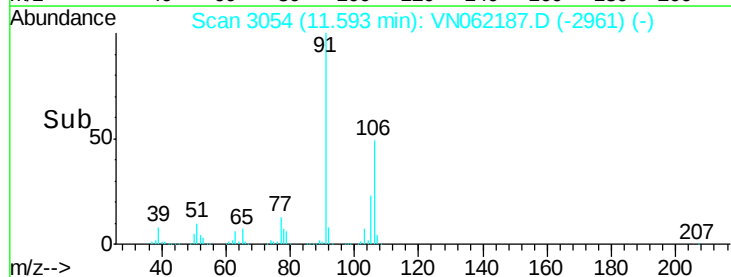
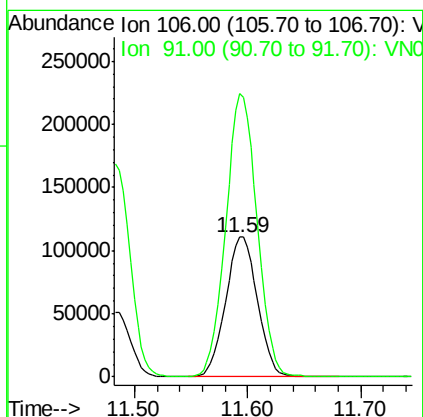
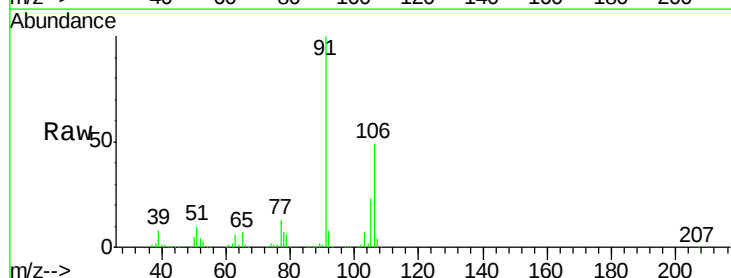
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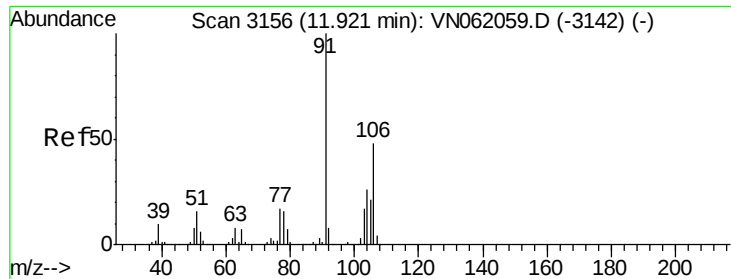
MMDadoda
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#68
m/p-Xylenes
Concen: 36.651 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
106	100		
91	197.7	157.8	236.8





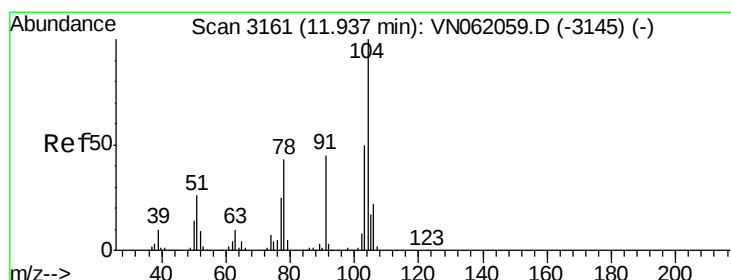
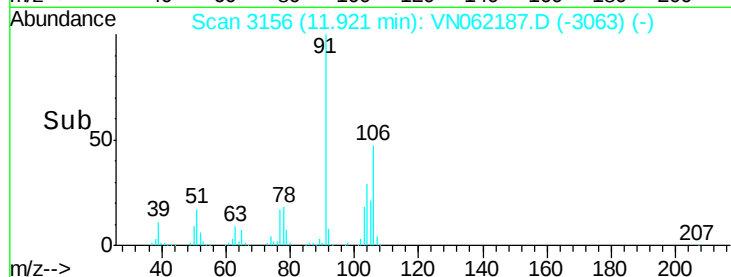
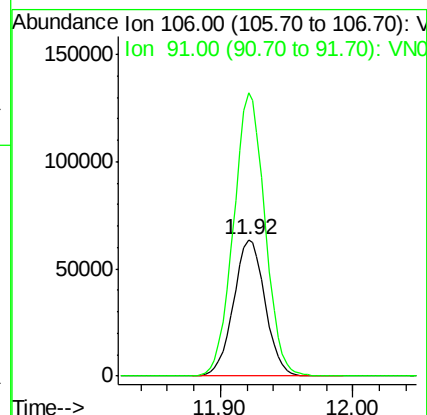
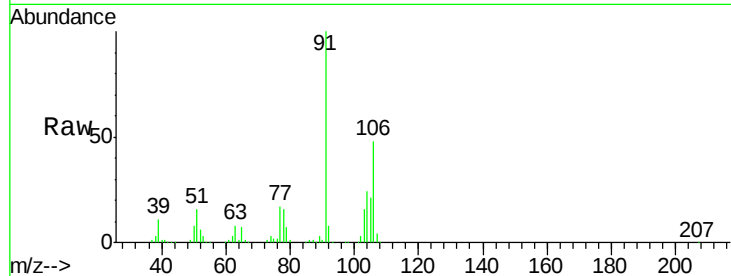
#69
o-Xylene
Concen: 18.770 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	206.8	104.0	311.9		

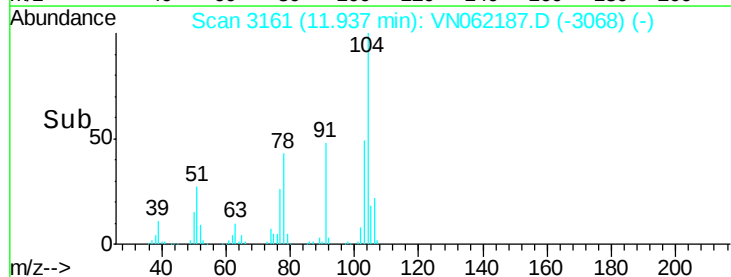
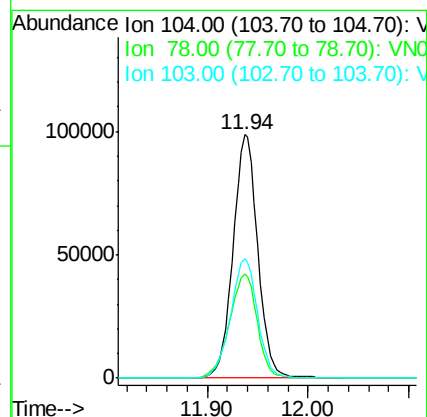
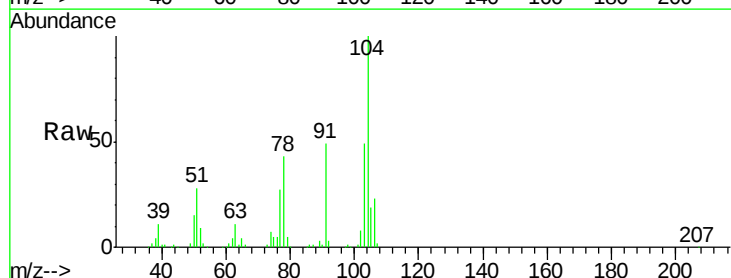
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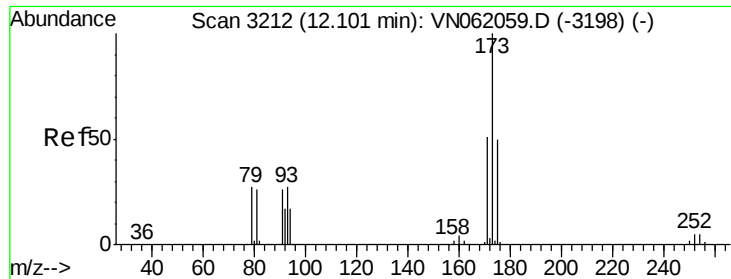
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#70
Styrene
Concen: 18.162 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.7	37.7	56.5		
103	53.6	43.0	64.6		





#71

Bromoform

Concen: 18.032 ug/l

RT: 12.10 min Scan# 3212

Delta R.T. -0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

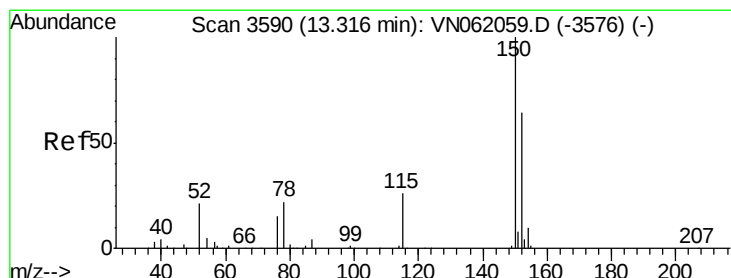
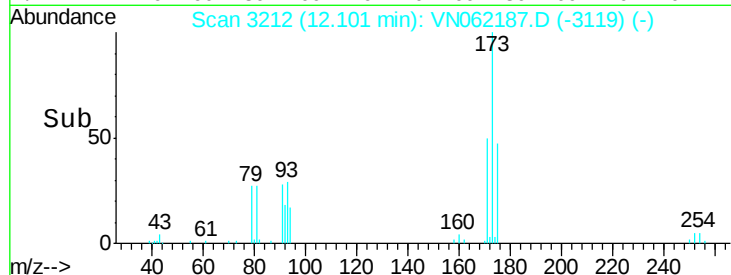
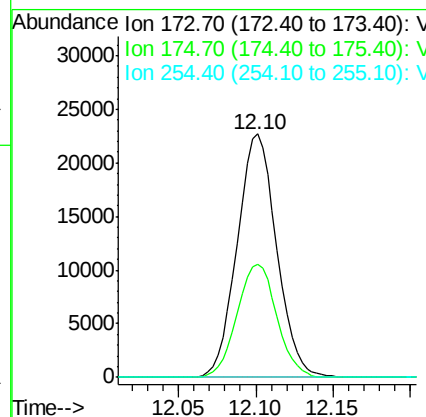
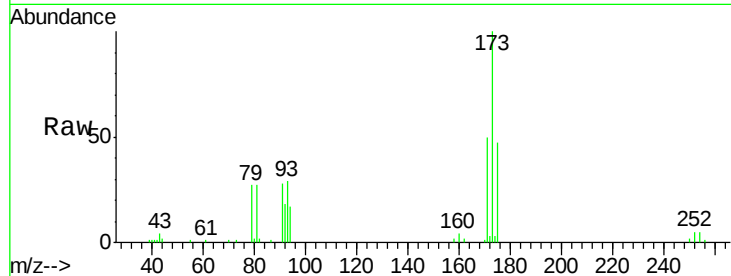
ClientSampleId :

VN0629WBSD01

Tot Ion:	173	Resp:	40174
Ion Ratio	Lower	Upper	
173	100		
175	46.6	24.7	74.1
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

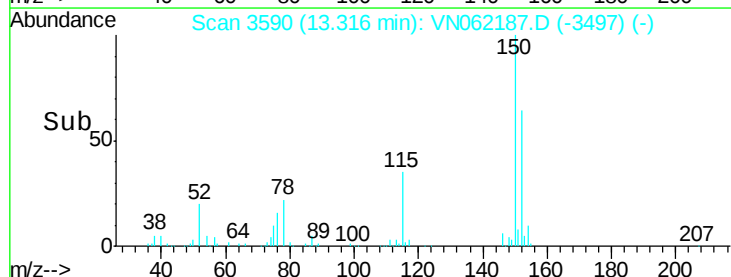
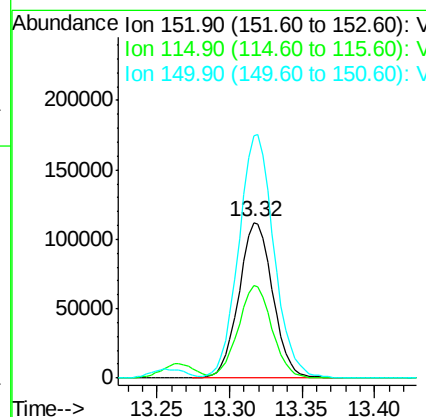
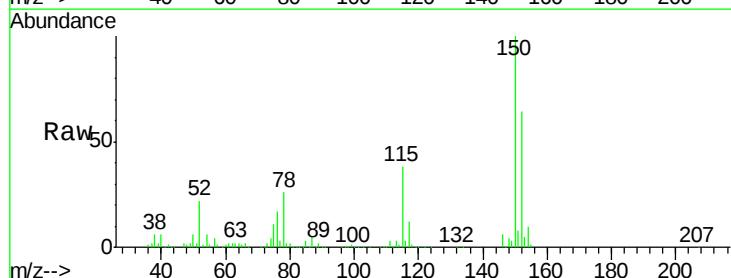
RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Tgt Ion:	152	Resp:	182247
Ion Ratio	Lower	Upper	
152	100		
115	59.1	29.5	88.5
150	163.4	0.0	351.4





#73

Isopropylbenzene

Concen: 19.278 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion: 105 Resp: 271965

Ion Ratio Lower Upper

105 100

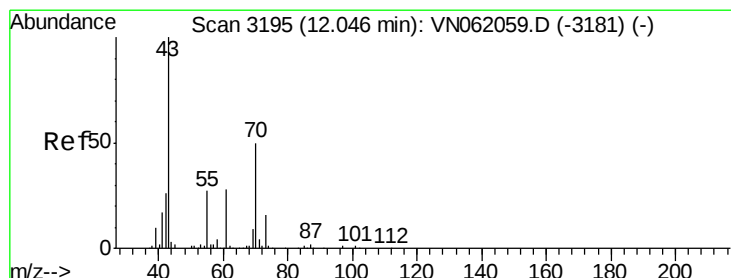
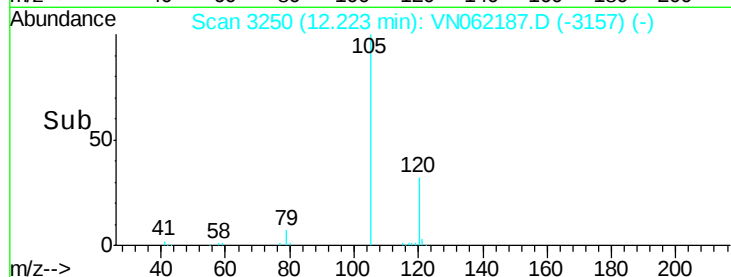
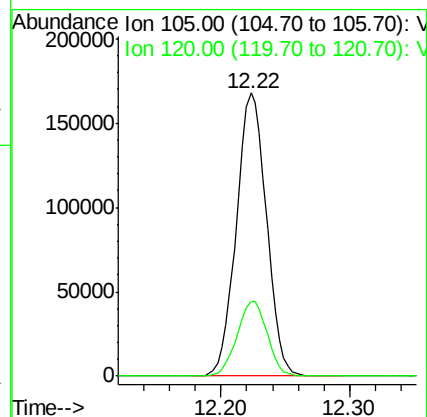
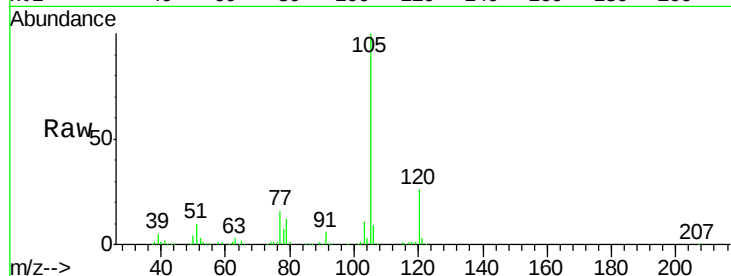
120 26.4 13.2 39.6

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#74

N-ethyl acetate

Concen: 20.311 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Tgt Ion: 43 Resp: 94432

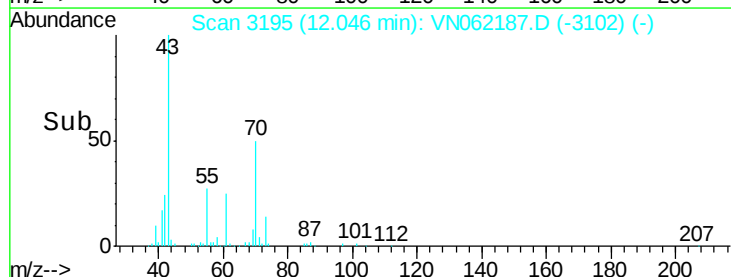
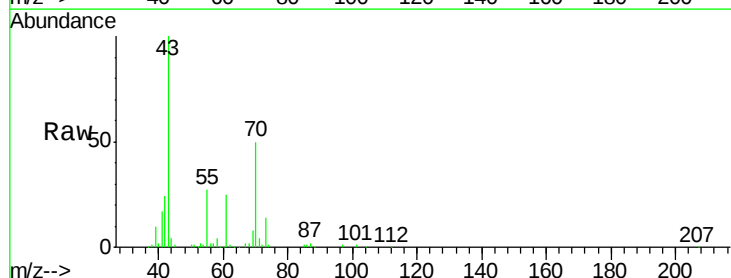
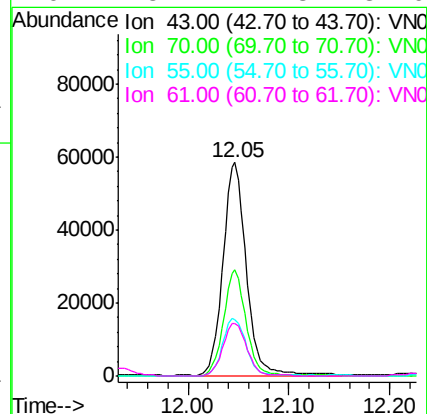
Ion Ratio Lower Upper

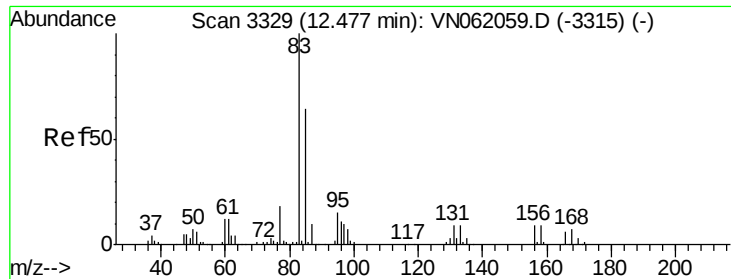
43 100

70 48.4 39.4 59.2

55 27.8 21.7 32.5

61 25.4 21.3 31.9





#75

1,1,2,2-Tetrachloroethane

Concen: 19.705 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

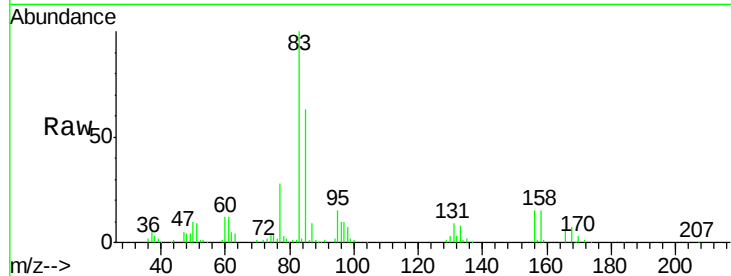
ClientSampleId :

VN0629WBSD01

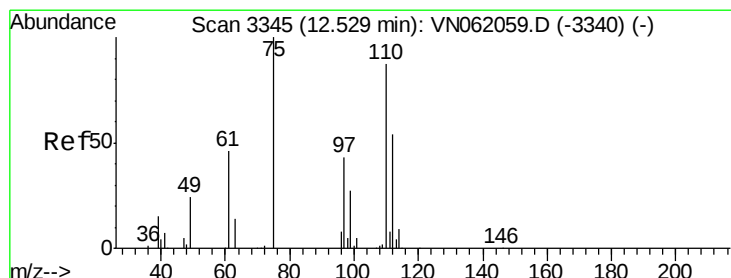
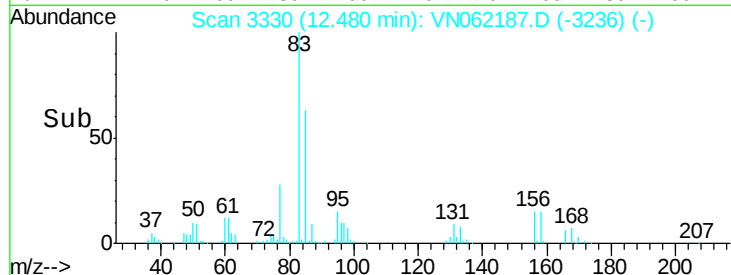
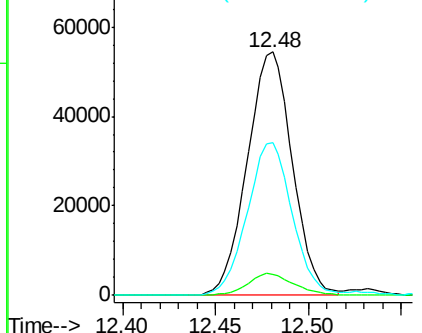
Tot Ion:	83	Resp:	92505
Ion Ratio	Lower	Upper	
83	100		
131	9.1	4.8	14.4
85	62.5	32.4	97.0

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Abundance Ion 82.90 (82.60 to 83.60): VN062187.D (-3236) (-)



#76

1,2,3-Trichloropropane

Concen: 19.233 ug/l m

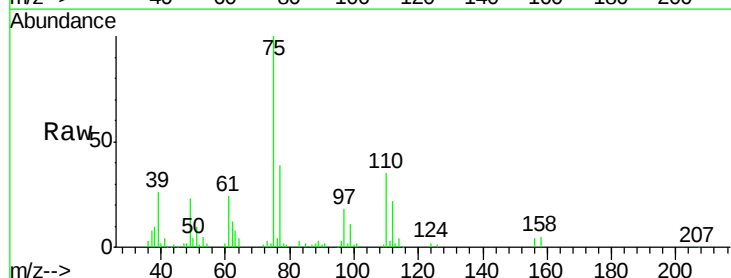
RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

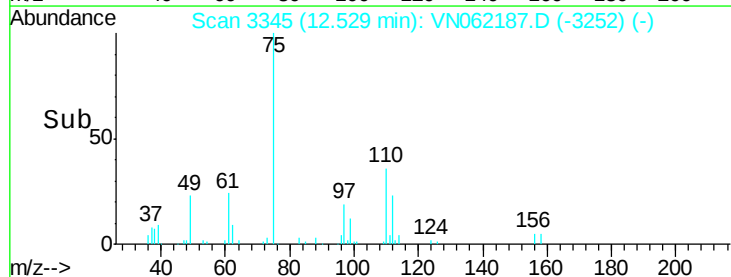
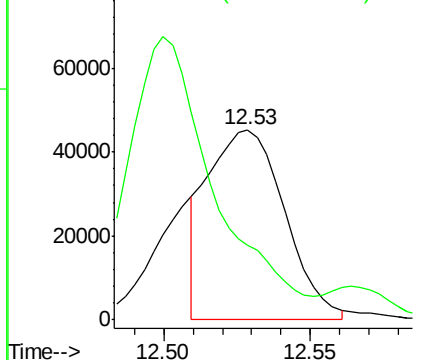
Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Tgt Ion:	75	Resp:	82513
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN062187.D (-3252) (-)





#77

Bromobenzene

Concen: 17.998 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

ClientSampleId :

VN0629WBSD01

Tot Ion:156 Resp: 63036

Ion Ratio Lower Upper

156 100

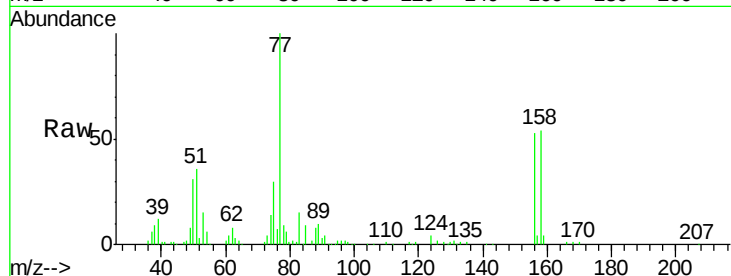
77 222.9 104.6 313.8

158 98.4 48.0 144.0

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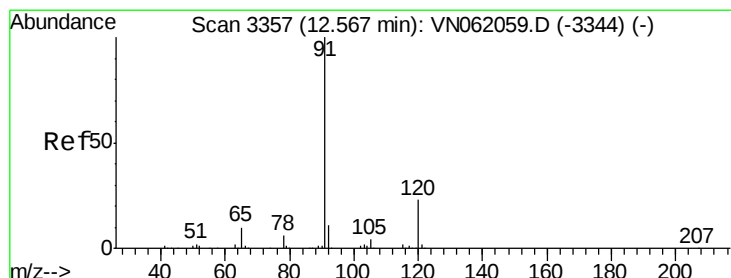
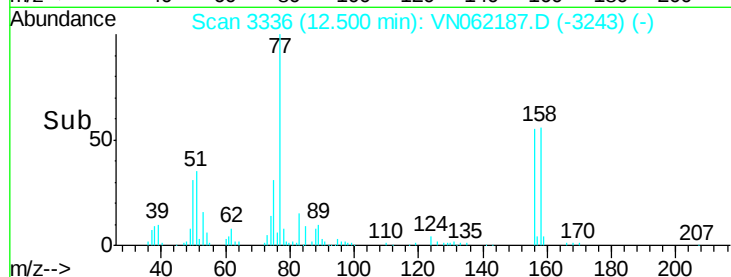
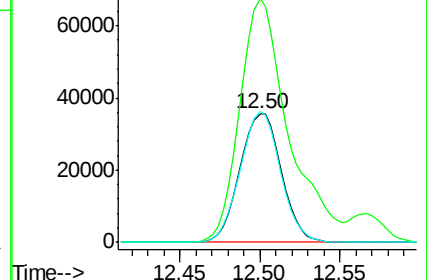
6/30/2020 10:43:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.220 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062187.D

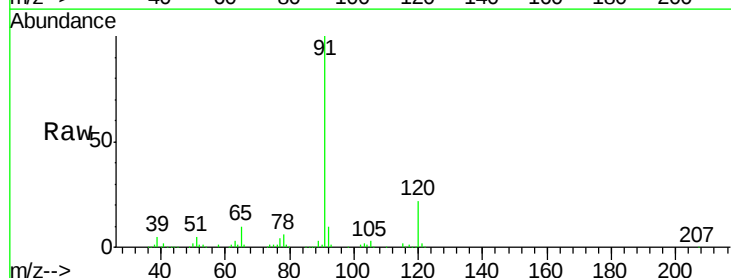
Acq: 29 Jun 2020 14:53

Tgt Ion: 91 Resp: 310148

Ion Ratio Lower Upper

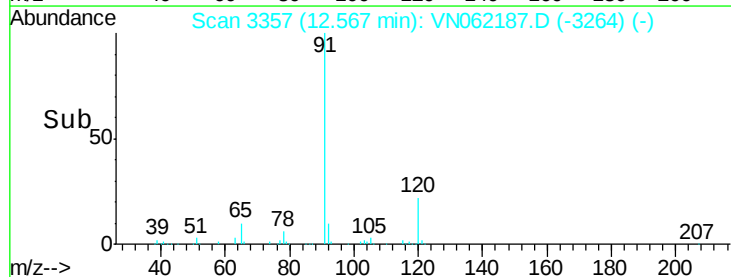
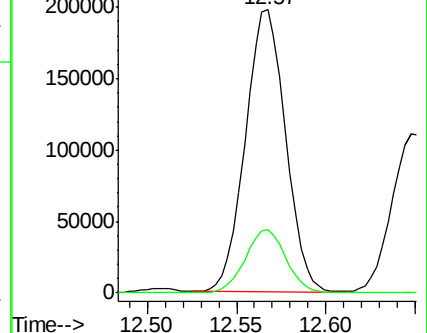
91 100

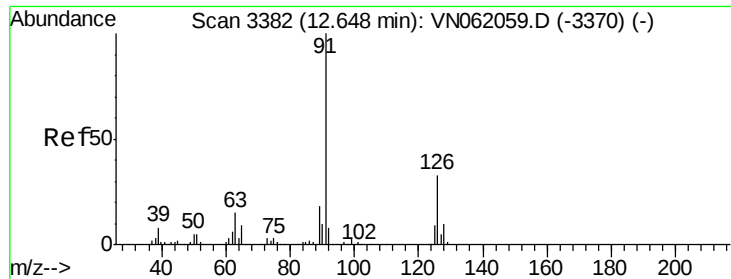
120 22.6 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





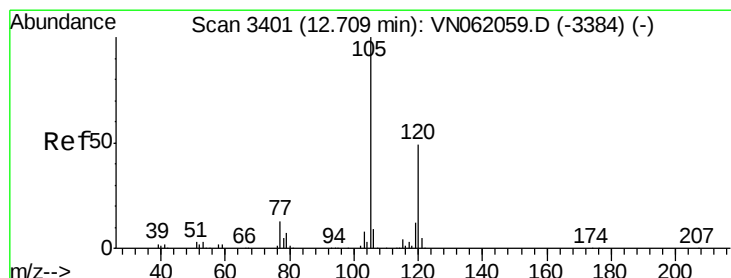
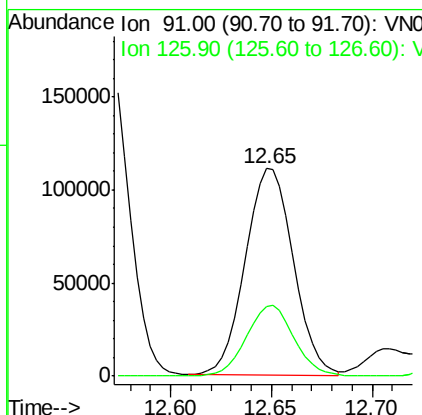
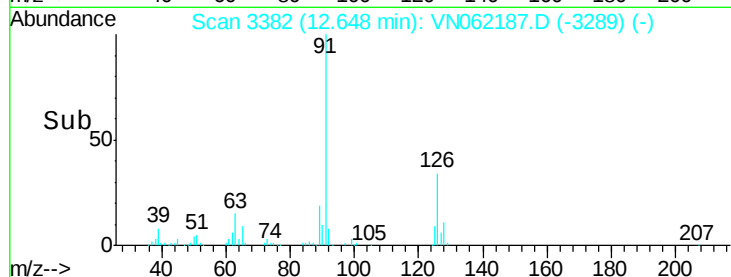
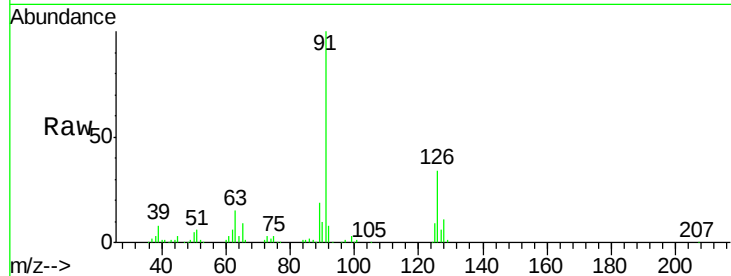
#79
 2-Chlorotoluene
 Concen: 18.943 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0629WBSD01

Tot Ion: 91 Resp: 184792
 Ion Ratio Lower Upper
 91 100
 126 34.0 16.9 50.7

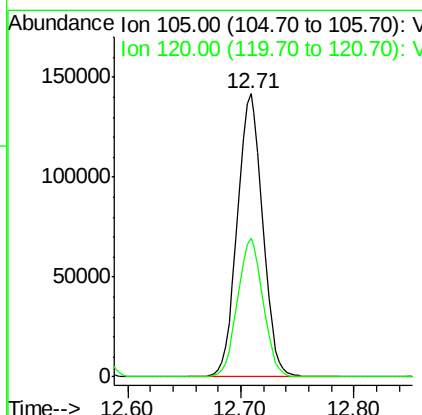
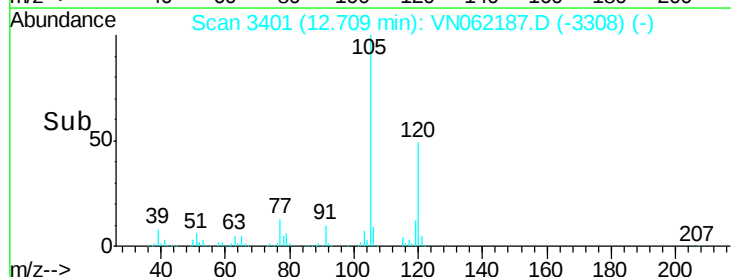
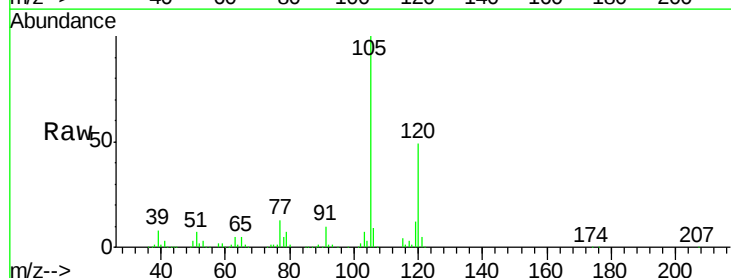
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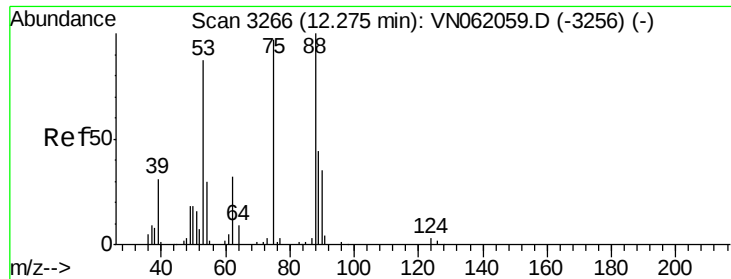
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 6/30/2020 10:43:41 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.411 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion: 105 Resp: 221993
 Ion Ratio Lower Upper
 105 100
 120 49.1 24.6 74.0





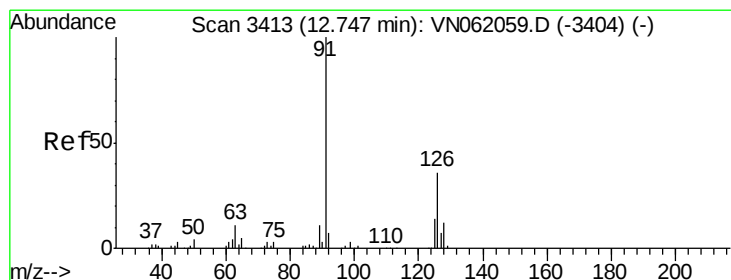
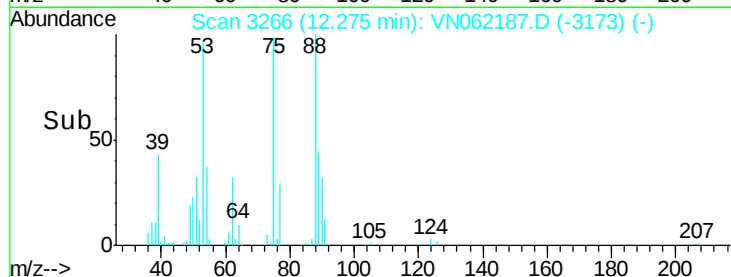
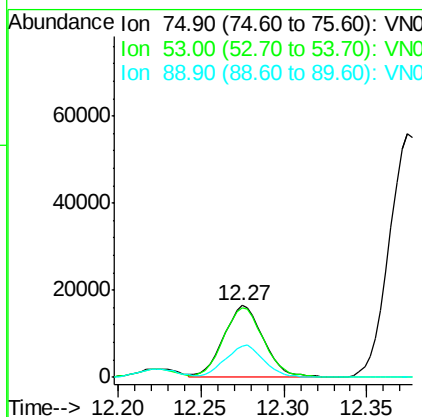
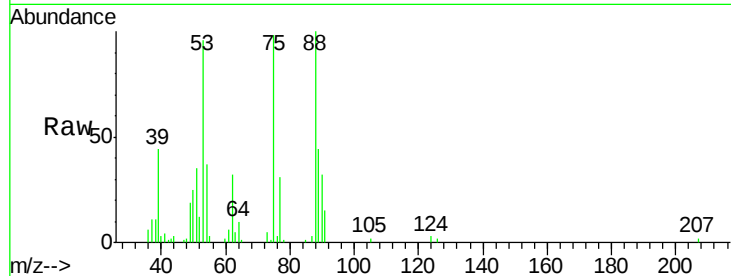
#81
trans-1,4-Dichloro-2-butene
Concen: 18.838 ug/l
RT: 12.27 min Scan# 3266
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampled :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.3	72.0	108.0
89	43.5	36.9	55.3

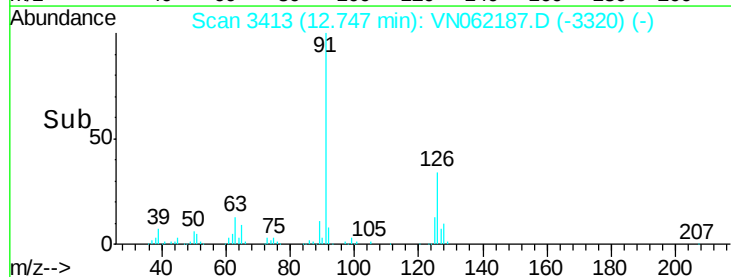
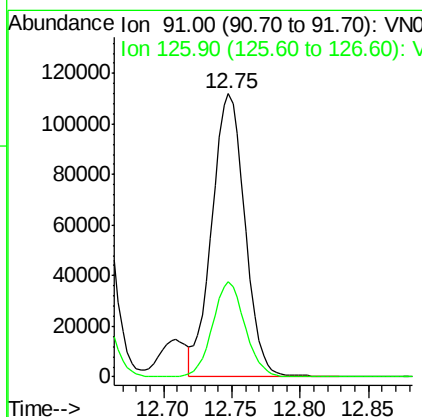
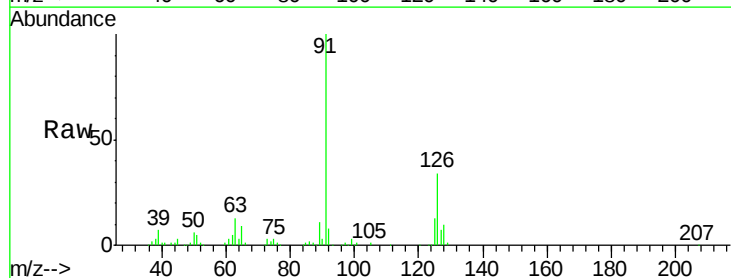
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#82
4-Chlorotoluene
Concen: 18.541 ug/l
RT: 12.75 min Scan# 3413
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.7	50.1





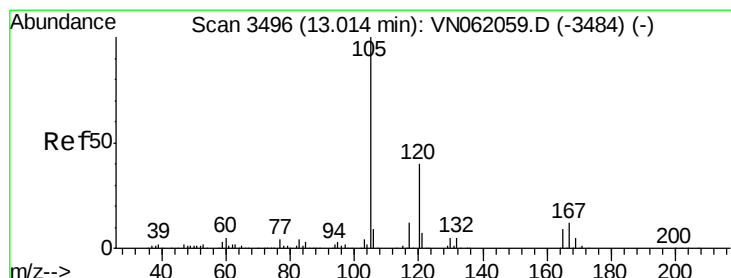
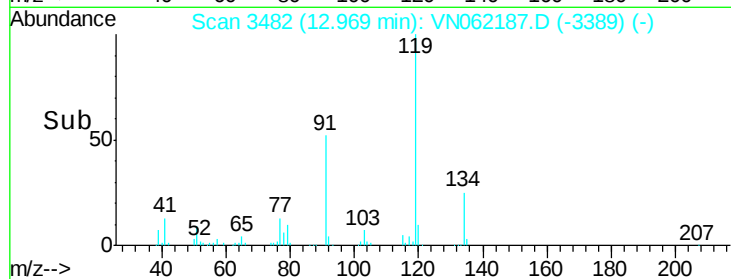
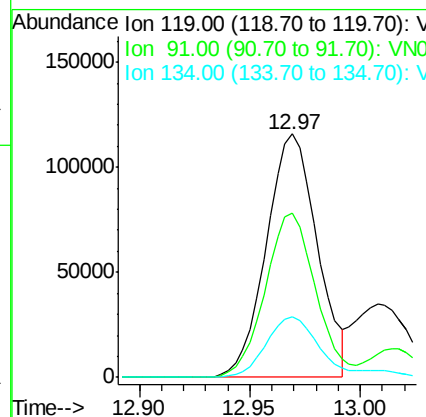
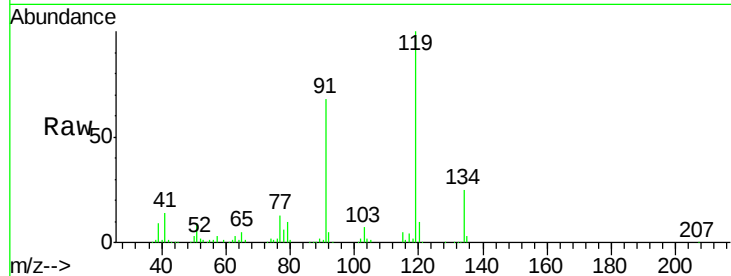
#83
 tert-Butylbenzene
 Concen: 18.940 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.0	31.7	95.1
134	25.3	13.1	39.1

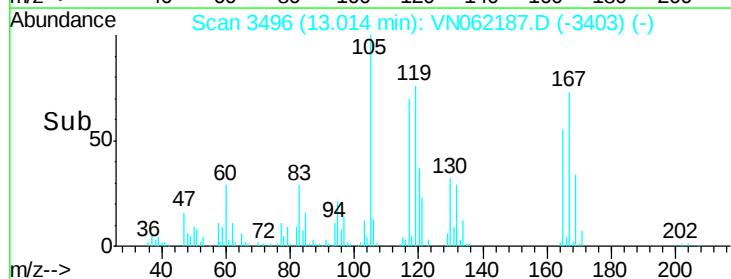
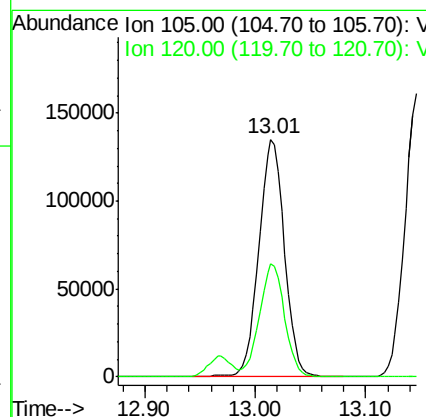
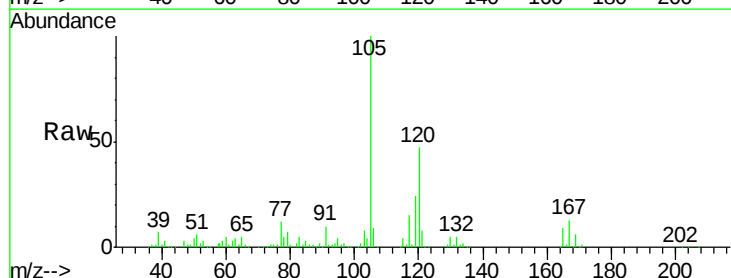
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.062 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.2	69.5





#85

sec-Butylbenzene

Concen: 19.609 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

ClientSampled :

VN0629WBSD01

Tot Ion:105 Resp: 253597

Ion Ratio Lower Upper

105 100

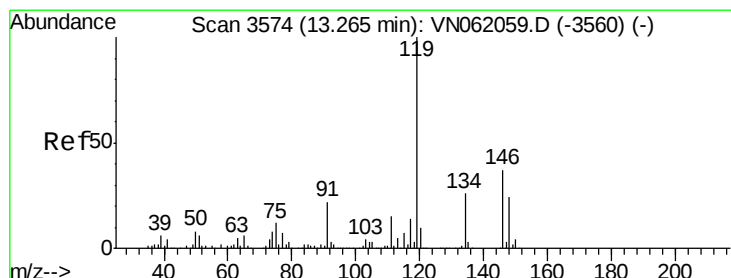
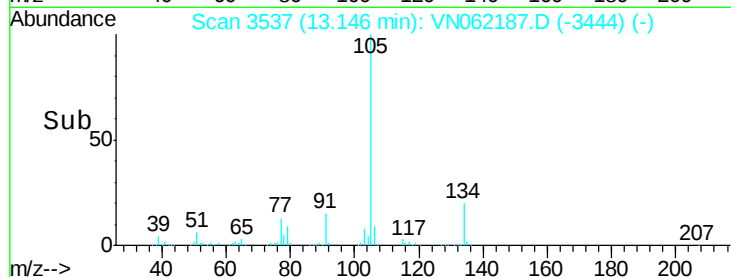
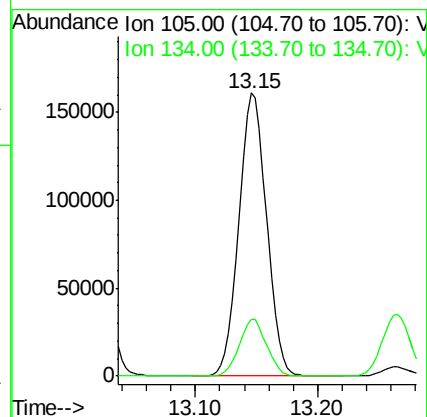
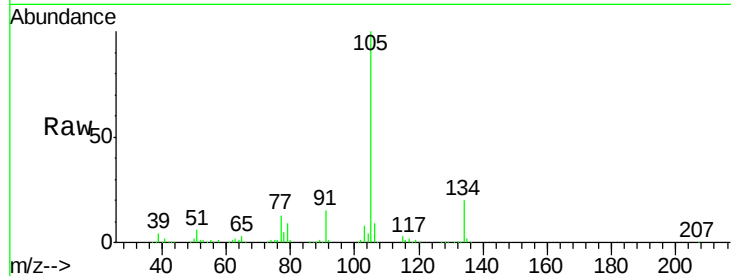
134 19.9 9.7 29.1

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#86

p-Isopropyltoluene

Concen: 19.654 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

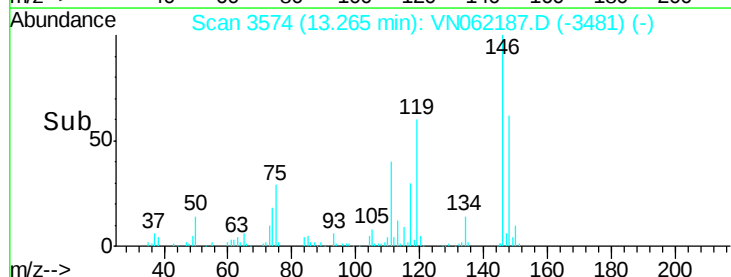
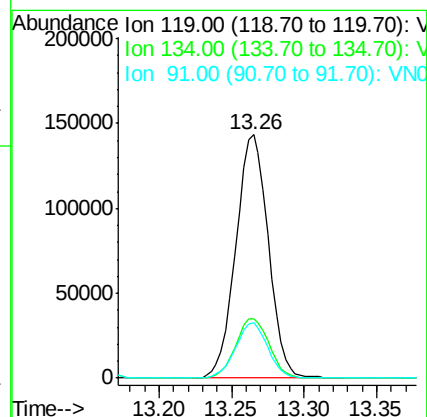
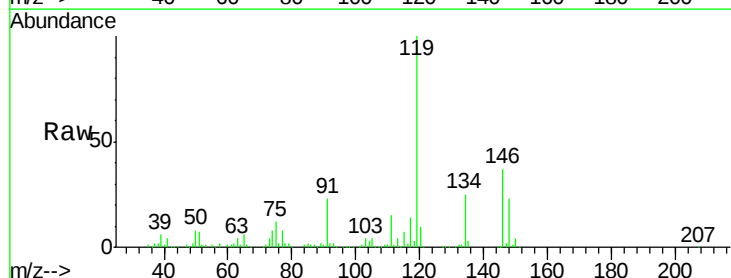
Tgt Ion:119 Resp: 222689

Ion Ratio Lower Upper

119 100

134 25.3 13.0 39.0

91 22.8 11.3 33.8





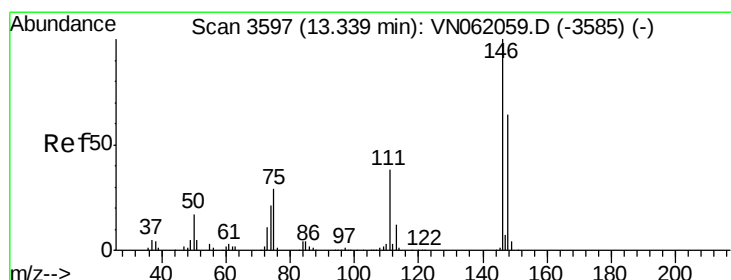
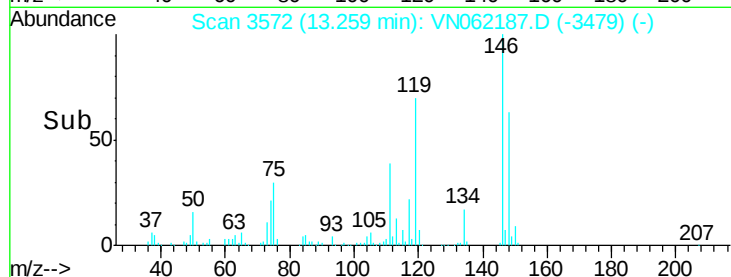
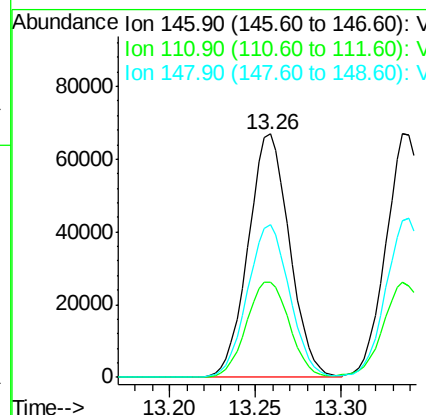
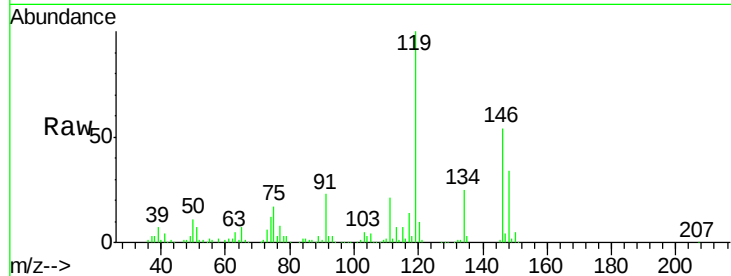
#87
 1,3-Dichlorobenzene
 Concen: 18.130 ug/l
 RT: 13.26 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0629WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	111505		
111	40.8	20.3	61.0	
148	63.8	31.8	95.3	

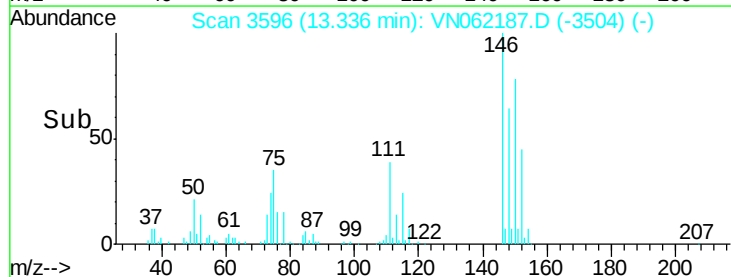
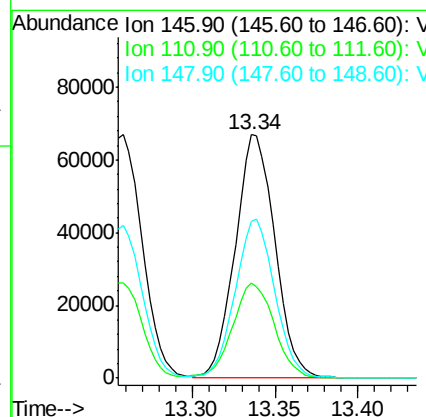
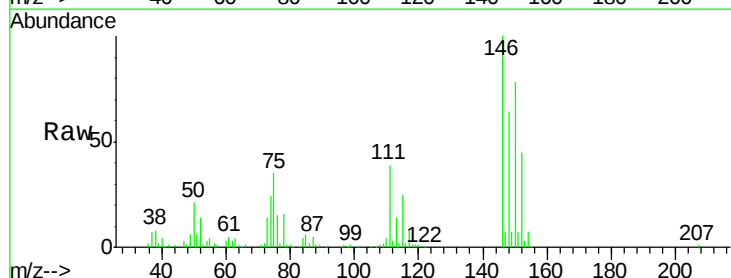
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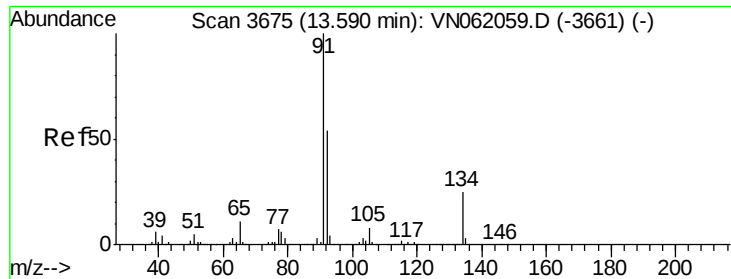
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#88
 1,4-Dichlorobenzene
 Concen: 17.479 ug/l
 RT: 13.34 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	110811		
111	40.7	19.9	59.6	
148	65.6	31.9	95.9	





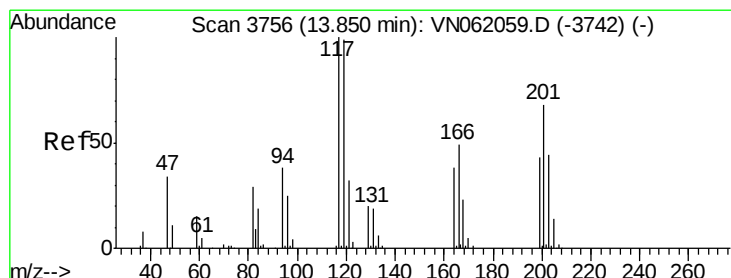
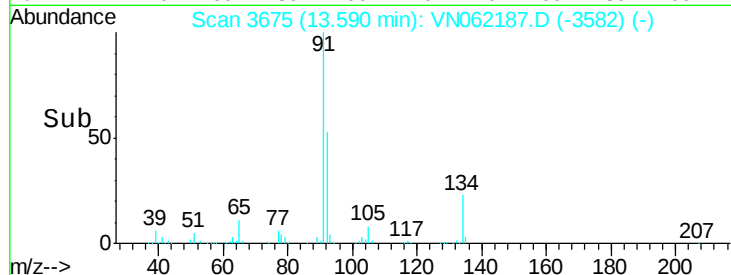
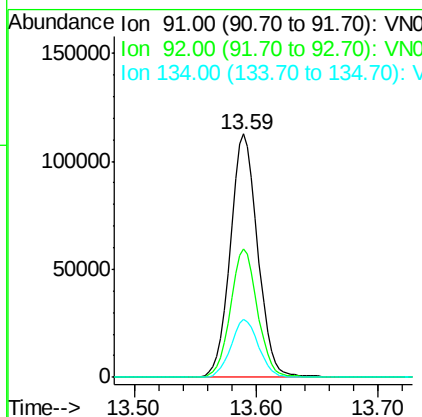
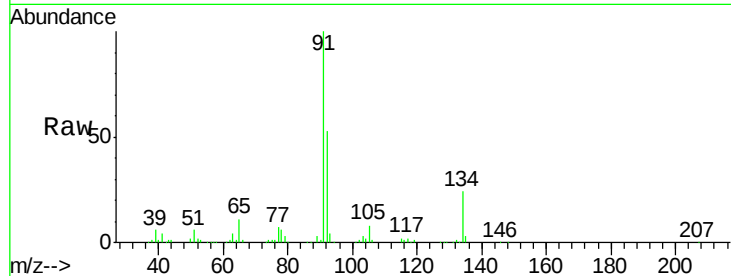
#89
n-Butylbenzene
Concen: 18.783 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.6	79.7
134	23.9	12.3	36.9

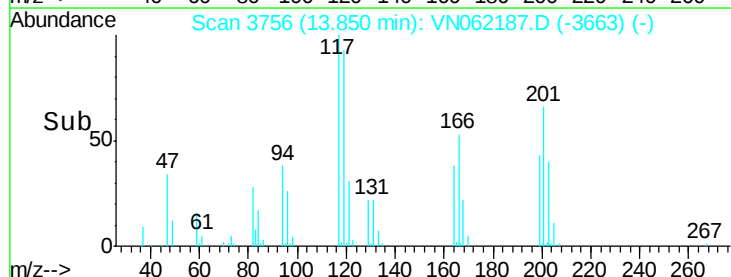
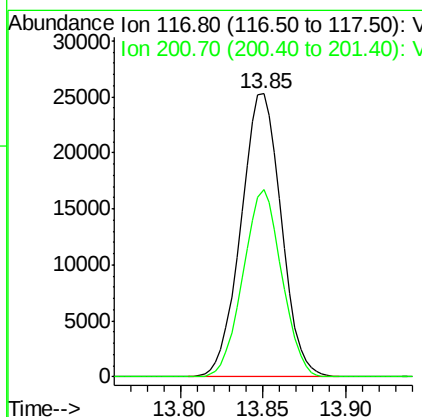
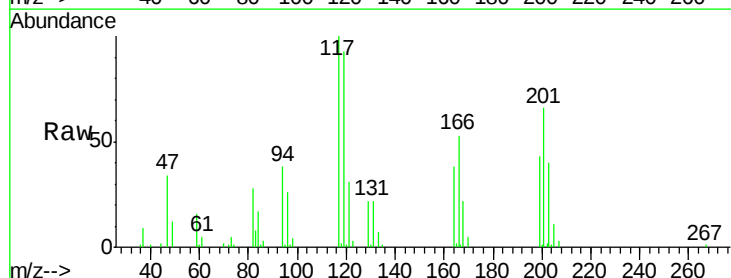
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#90
Hexachloroethane
Concen: 19.290 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.3	32.7	98.1





#91

1,2-Dichlorobenzene

Concen: 18.548 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. -0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Instrument :

MSVOA_N

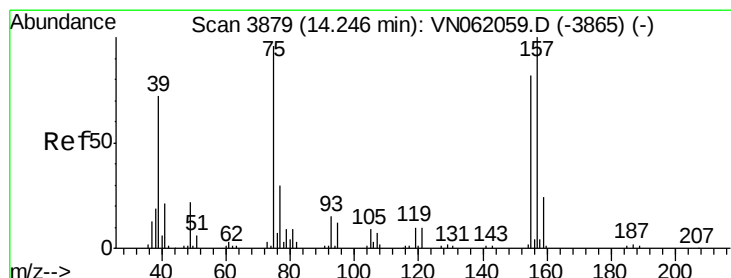
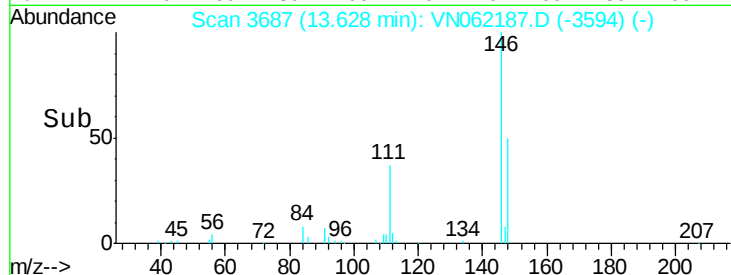
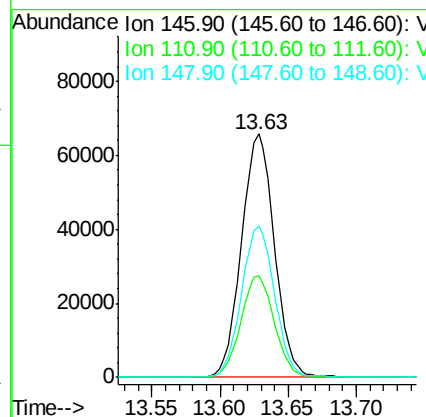
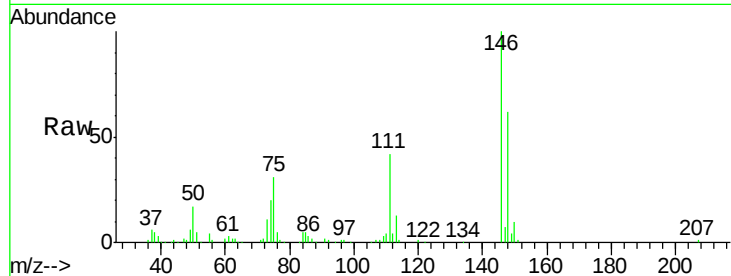
ClientSampleId :

VN0629WBSD01

Tot Ion:	146	Resp:	110617
Ion Ratio	Lower	Upper	
146	100		
111	42.2	21.2	63.6
148	62.6	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.783 ug/l

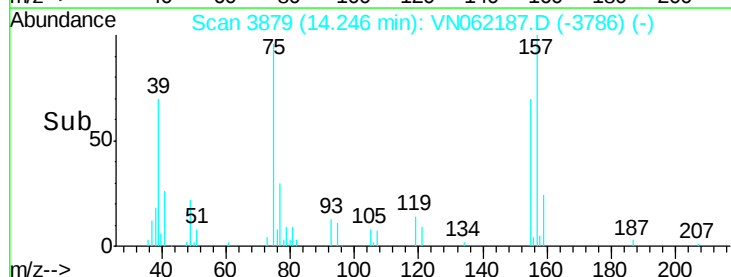
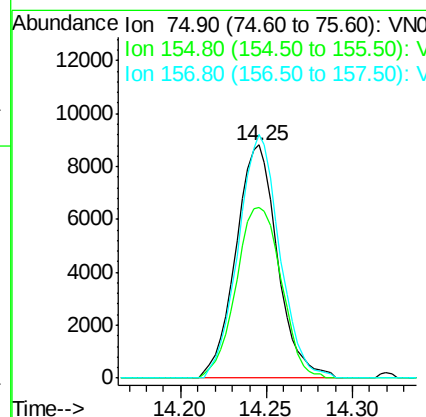
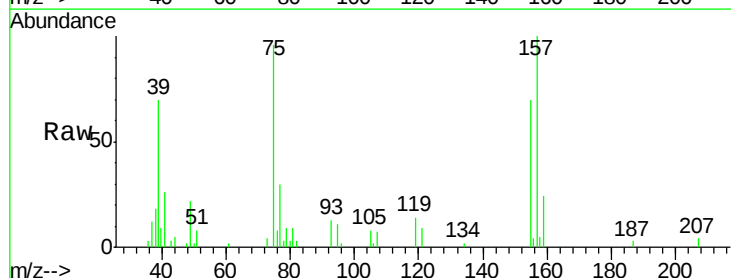
RT: 14.25 min Scan# 3879

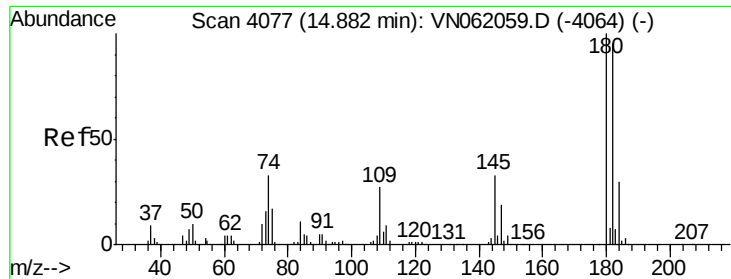
Delta R.T. 0.00 min

Lab File: VN062187.D

Acq: 29 Jun 2020 14:53

Tgt Ion:	75	Resp:	14878
Ion Ratio	Lower	Upper	
75	100		
155	79.0	40.8	122.4
157	103.4	51.4	154.3





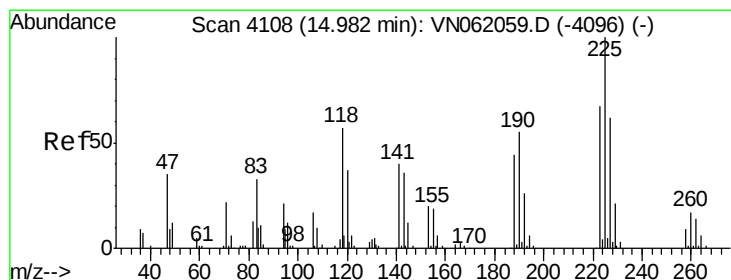
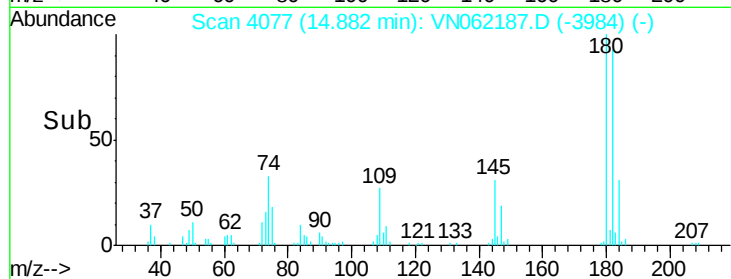
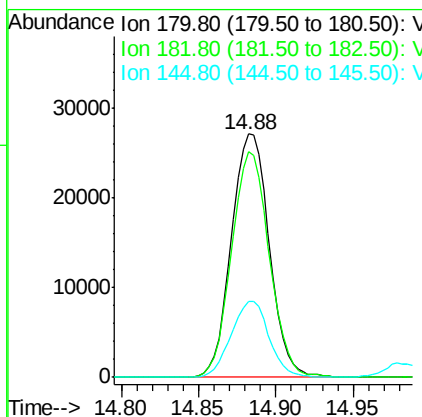
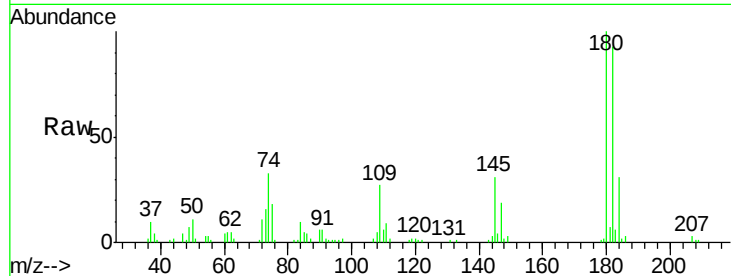
#93
 1,2,4-Trichlorobenzene
 Concen: 17.712 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. -0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Instrument :
 MSVOA_N
 ClientSampled :
 VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	48.0	144.2
145	31.1	16.0	48.0

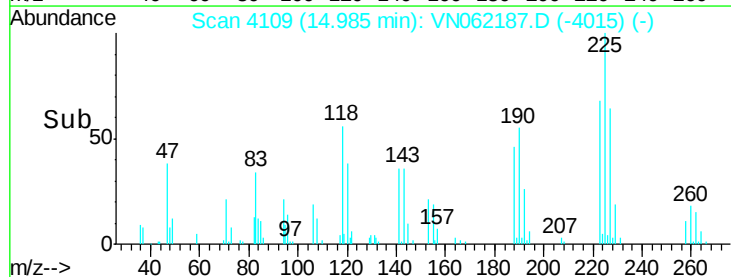
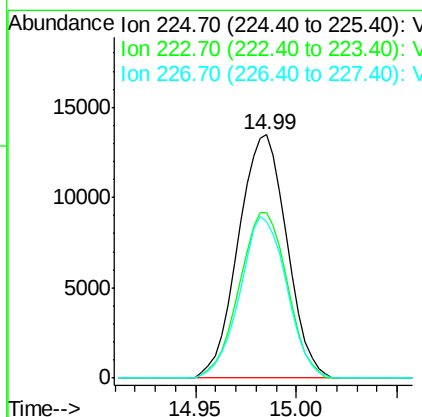
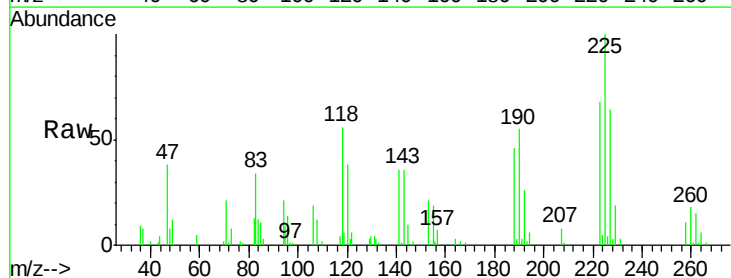
Manual Integrations
 APPROVED

MMDadoda
 6/30/2020 10:43:41 AM



#94
 Hexachlorobutadiene
 Concen: 20.032 ug/l
 RT: 14.99 min Scan# 4109
 Delta R.T. 0.00 min
 Lab File: VN062187.D
 Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.6	32.9	98.7
227	63.9	31.3	93.8





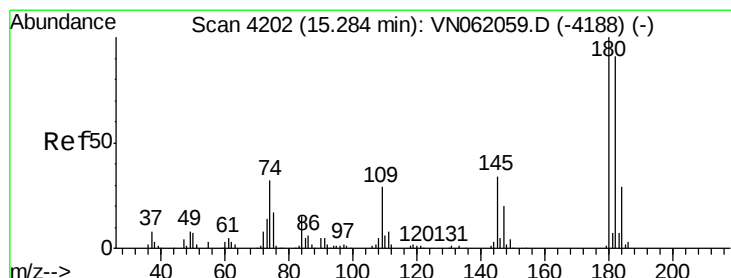
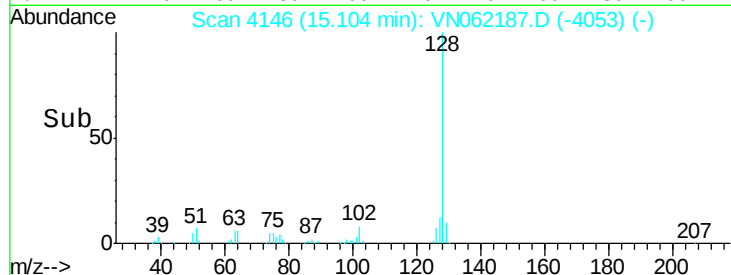
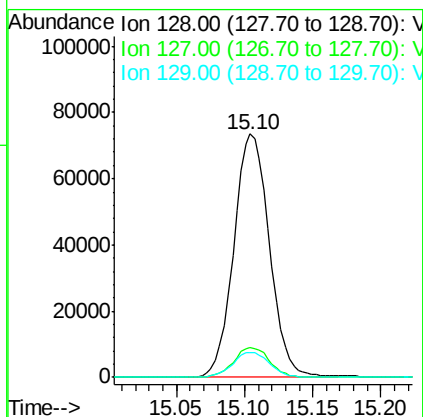
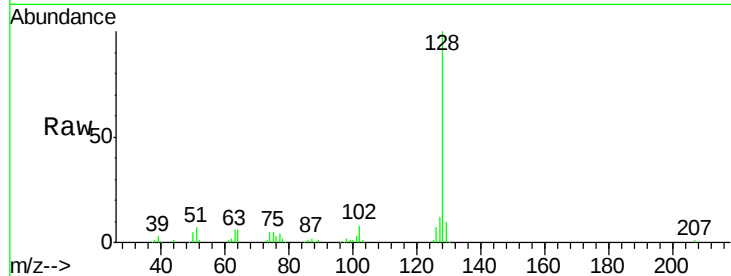
#95
Naphthalene
Concen: 18.132 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Instrument :
MSVOA_N
ClientSampleId :
VN0629WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.5	15.7
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
6/30/2020 10:43:41 AM



#96
1,2,3-Trichlorobenzene
Concen: 17.974 ug/l
RT: 15.28 min Scan# 4202
Delta R.T. -0.00 min
Lab File: VN062187.D
Acq: 29 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.8	140.4
145	32.6	16.4	49.2

