

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063437.D
 Acq On : 17 Sep 2020 23:11
 Operator : JC/MD
 Sample : VN0917MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2020 10:03:05 AM

Quant Time: Sep 18 05:06:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	254253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	455382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	413678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190642	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	207492	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
35) Dibromofluoromethane	7.55	113	144138	45.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.44%	
50) Toluene-d8	10.06	98	553477	46.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.38%	
62) 4-Bromofluorobenzene	12.38	95	204994	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	56131	19.487	ug/l 99
3) Chloromethane	2.04	50	73807	19.369	ug/l 98
4) Vinyl Chloride	2.17	62	69929	20.713	ug/l 97
5) Bromomethane	2.54	94	44513	22.206	ug/l 97
6) Chloroethane	2.68	64	41211	19.886	ug/l 99
7) Trichlorofluoromethane	2.99	101	106011	21.046	ug/l 97
8) Diethyl Ether	3.38	74	38729	19.724	ug/l 97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	56139	19.818	ug/l 99
10) Methyl Iodide	3.92	142	73419	19.907	ug/l 99
11) Tert butyl alcohol	4.73	59	53261	88.829	ug/l 100
12) 1,1-Dichloroethene	3.70	96	56682	19.755	ug/l 97
13) Acrolein	3.57	56	20915	94.127	ug/l 97
14) Allyl chloride	4.28	41	96906	17.075	ug/l 88
15) Acrylonitrile	4.93	53	147967	97.018	ug/l 99
16) Acetone	3.78	43	137523	98.869	ug/l 99
17) Carbon Disulfide	4.02	76	158814	19.029	ug/l 100
18) Methyl Acetate	4.28	43	73105	20.703	ug/l 97
19) Methyl tert-butyl Ether	4.99	73	206283	19.290	ug/l 97
20) Methylene Chloride	4.51	84	69265	19.654	ug/l 99
21) trans-1,2-Dichloroethene	4.99	96	60870	19.148	ug/l 98
22) Diisopropyl ether	5.90	45	227160	19.625	ug/l 92
23) Vinyl Acetate	5.85	43	930813	97.918	ug/l 100
24) 1,1-Dichloroethane	5.80	63	126754	20.058	ug/l 97
25) 2-Butanone	6.78	43	207383	96.941	ug/l 99
26) 2,2-Dichloropropane	6.78	77	89352	16.060	ug/l 99
27) cis-1,2-Dichloroethene	6.78	96	72338	20.105	ug/l 99
28) Bromochloromethane	7.15	49	56829	19.477	ug/l 99
29) Tetrahydrofuran	7.17	42	135587	92.799	ug/l 99
30) Chloroform	7.33	83	126834	20.005	ug/l 99
31) Cyclohexane	7.62	56	110961	18.563	ug/l 95
32) 1,1,1-Trichloroethane	7.53	97	111701	19.808	ug/l 100
36) 1,1-Dichloropropene	7.76	75	92709	19.110	ug/l 99
37) Ethyl Acetate	6.88	43	90588	19.025	ug/l 99
38) Carbon Tetrachloride	7.74	117	96673	19.521	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	96568	18.340	ug/l	95
40) Benzene	8.00	78	270712	19.547	ug/l	98
41) Methacrylonitrile	7.13	41	43340	20.238	ug/l #	100
42) 1,2-Dichloroethane	8.09	62	108226	19.432	ug/l	100
43) Isopropyl Acetate	8.13	43	156577	18.390	ug/l	99
44) Trichloroethene	8.80	130	67097	19.975	ug/l	97
45) 1,2-Dichloropropane	9.09	63	74154	19.660	ug/l	100
46) Dibromomethane	9.18	93	49648	20.027	ug/l	98
47) Bromodichloromethane	9.37	83	101237	19.657	ug/l	98
48) Methyl methacrylate	9.17	41	77101	18.432	ug/l	98
49) 1,4-Dioxane	9.16	88	22214	370.057	ug/l	94
51) 4-Methyl-2-Pentanone	9.95	43	456467	95.767	ug/l	100
52) Toluene	10.13	92	165516	19.878	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	103757	18.046	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	114804	18.930	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	64568	19.523	ug/l	96
56) Ethyl methacrylate	10.40	69	97901	18.961	ug/l	98
57) 1,3-Dichloropropane	10.68	76	116144	19.473	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	239770	88.525	ug/l	99
59) 2-Hexanone	10.72	43	325436	94.243	ug/l	100
60) Dibromochloromethane	10.87	129	70541	18.879	ug/l	99
61) 1,2-Dibromoethane	10.98	107	66582	19.377	ug/l	96
64) Tetrachloroethene	10.60	164	61147	21.708	ug/l	96
65) Chlorobenzene	11.41	112	174438	19.865	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	64223	19.952	ug/l	100
67) Ethyl Benzene	11.49	91	327945	19.831	ug/l	98
68) m/p-Xylenes	11.59	106	236259	39.625	ug/l	99
69) o-Xylene	11.92	106	114090	20.087	ug/l	99
70) Styrene	11.94	104	186519	19.582	ug/l	97
71) Bromoform	12.10	173	46487	19.386	ug/l #	98
73) Isopropylbenzene	12.23	105	307720	20.143	ug/l	100
74) N-amyl acetate	12.05	43	136742	18.909	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	93612	19.790	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	89395m	18.945	ug/l	
77) Bromobenzene	12.50	156	71272	20.740	ug/l	97
78) n-propylbenzene	12.57	91	356241	20.021	ug/l	100
79) 2-Chlorotoluene	12.65	91	214621	20.122	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	259044	20.335	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	28717	16.685	ug/l	96
82) 4-Chlorotoluene	12.75	91	223267	19.811	ug/l	100
83) tert-Butylbenzene	12.97	119	210021	19.975	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	261184	20.298	ug/l	100
85) sec-Butylbenzene	13.15	105	281978	20.036	ug/l	100
86) p-Isopropyltoluene	13.26	119	247525	19.940	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	126538	19.867	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	130962	20.224	ug/l	97
89) n-Butylbenzene	13.59	91	225555	19.713	ug/l	98
90) Hexachloroethane	13.85	117	43961	18.599	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	125196	20.021	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19819	17.595	ug/l	99

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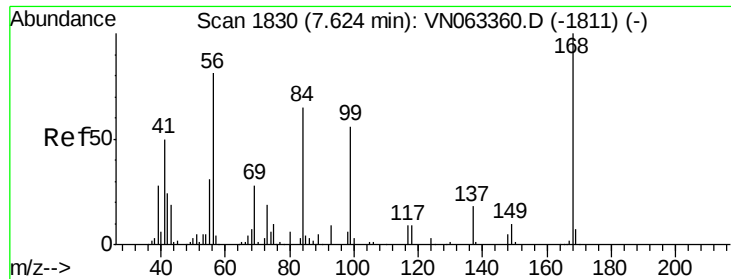
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	70341	19.081	ug/l	99
94) Hexachlorobutadiene	14.98	225	32221	21.112	ug/l	97
95) Naphthalene	15.10	128	227315	18.664	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	66899	18.781	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

Tot Ion:168 Resp: 254253

Ion Ratio Lower Upper

168 100

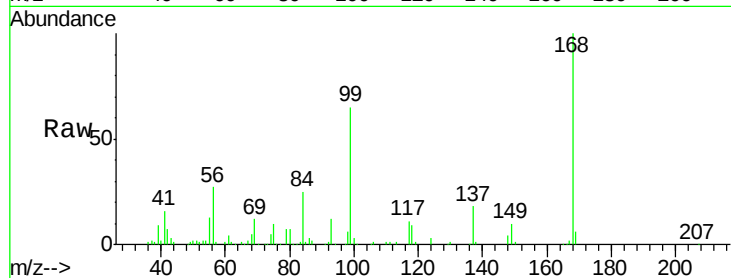
99 64.7 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

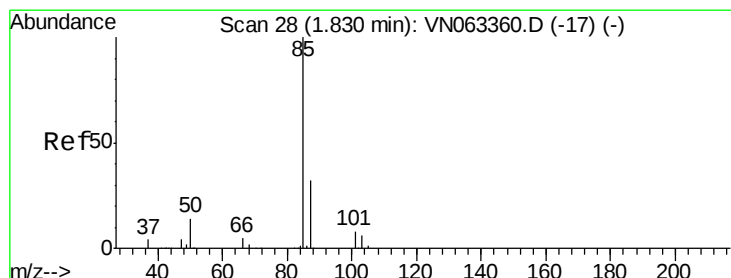
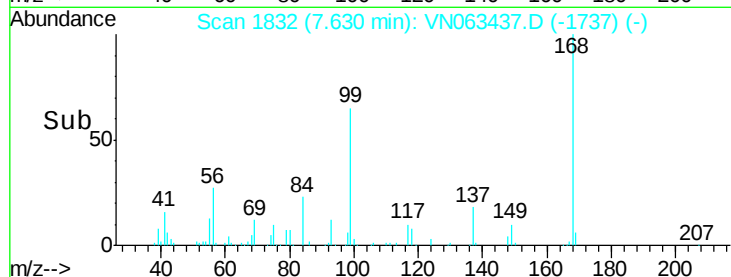
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.487 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063437.D

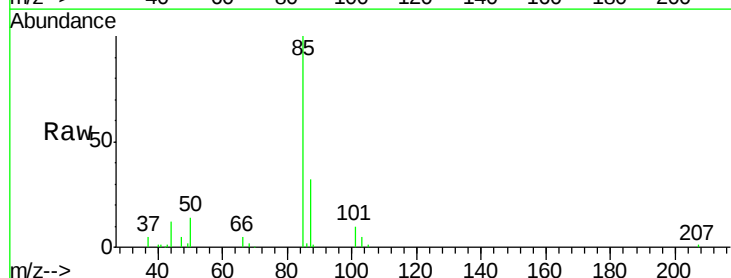
Acq: 17 Sep 2020 23:11

Tgt Ion: 85 Resp: 56131

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

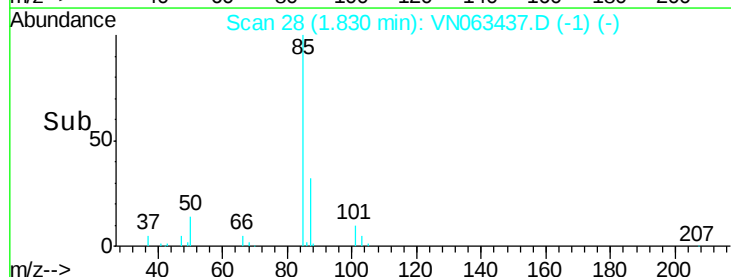
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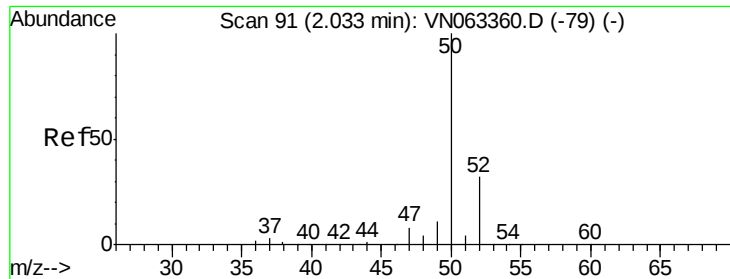
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.369 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

Tot Ion: 50 Resp: 73807

Ion Ratio Lower Upper

50 100

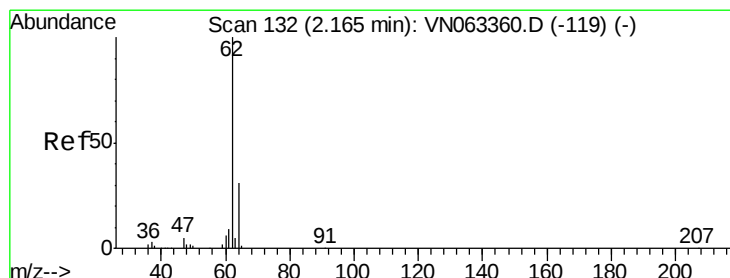
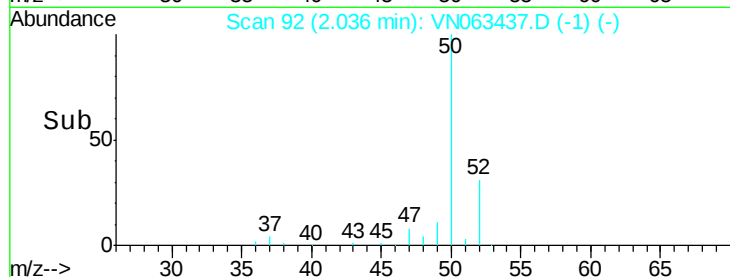
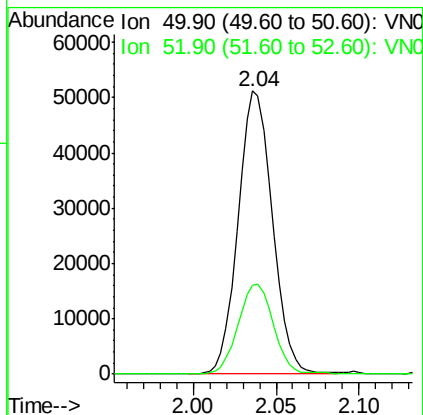
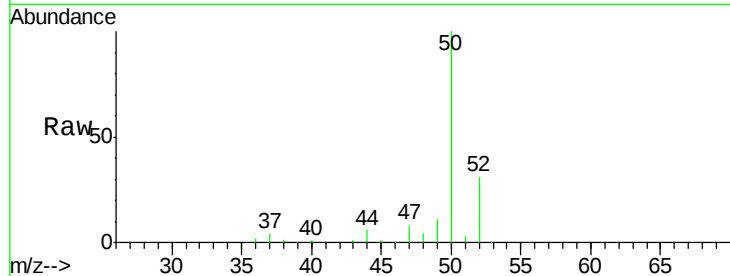
52 31.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.713 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN063437.D

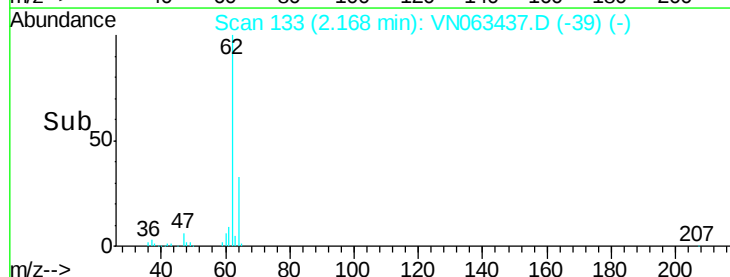
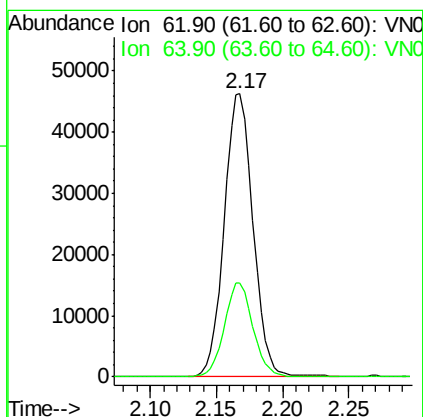
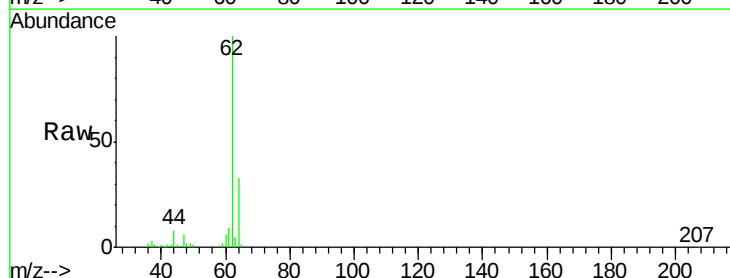
Acq: 17 Sep 2020 23:11

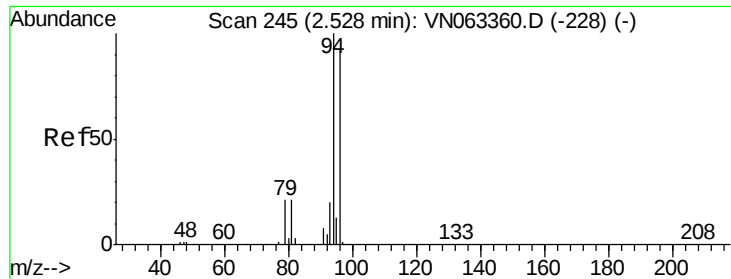
Tgt Ion: 62 Resp: 69929

Ion Ratio Lower Upper

62 100

64 33.3 25.1 37.7





#5

Bromomethane

Concen: 22.206 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

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Tot Ion: 94 Resp: 44513

Ion Ratio Lower Upper

94 100

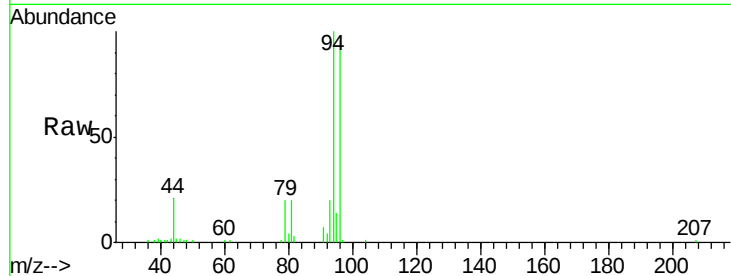
96 96.0 74.5 111.7

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

25000

20000

15000

10000

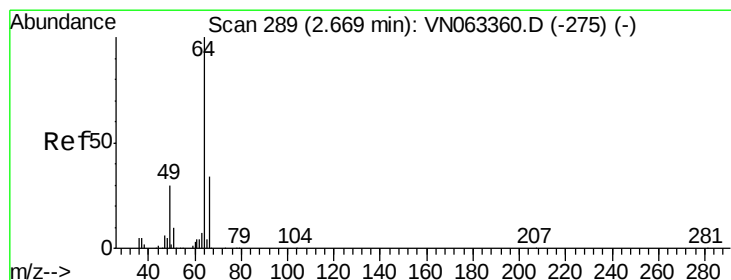
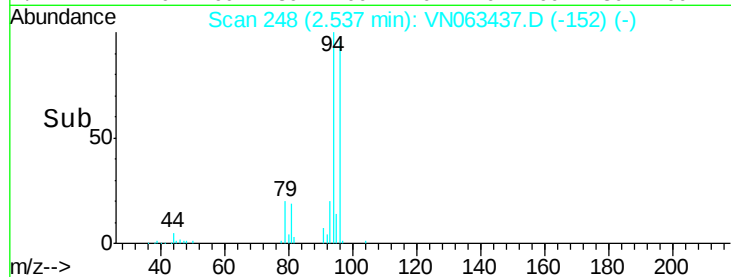
5000

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Time-->

2.45 2.50 2.55 2.60 2.65

2.54



#6

Chloroethane

Concen: 19.886 ug/l

RT: 2.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN063437.D

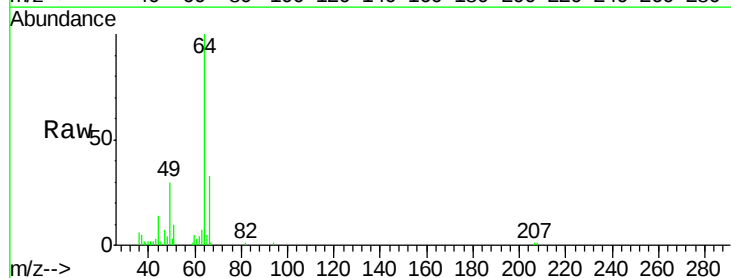
Acq: 17 Sep 2020 23:11

Tgt Ion: 64 Resp: 41211

Ion Ratio Lower Upper

64 100

66 33.2 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

25000

20000

15000

10000

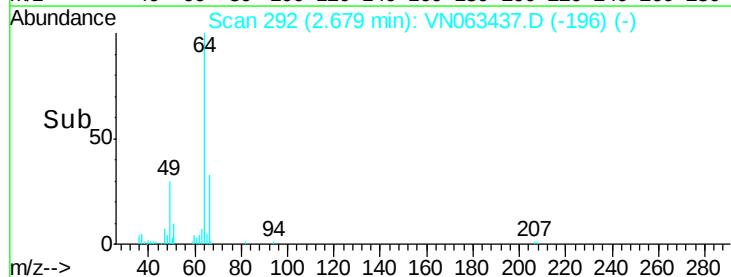
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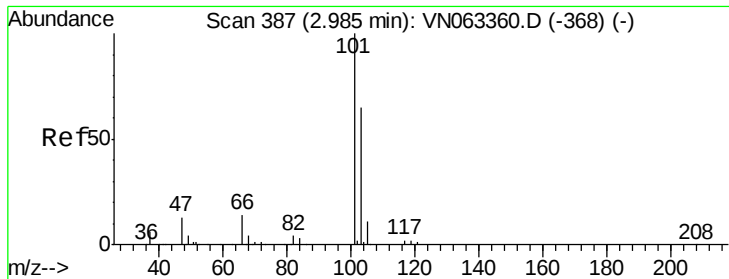
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Time-->

2.60 2.65 2.70 2.75

2.68





#7

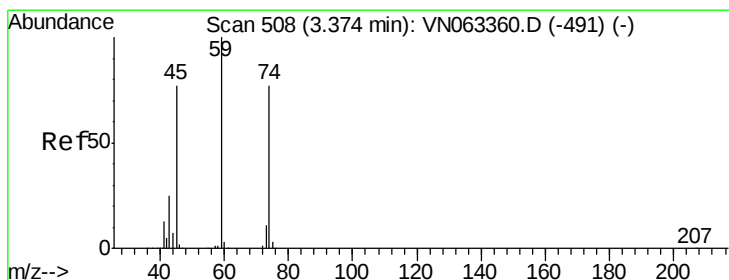
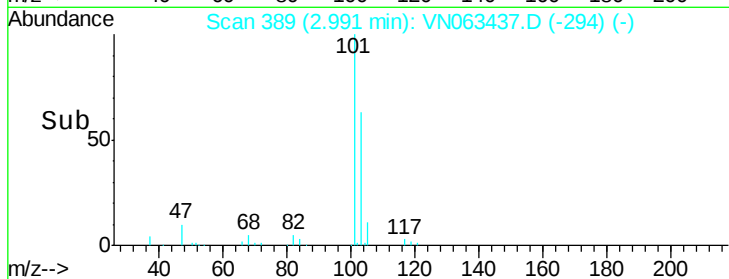
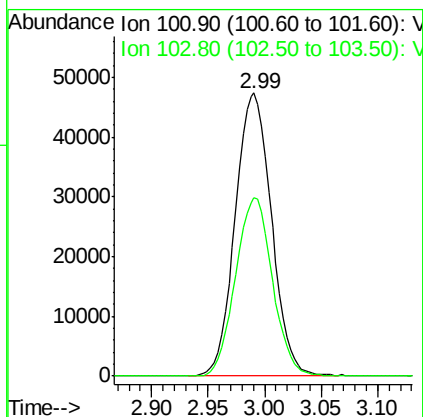
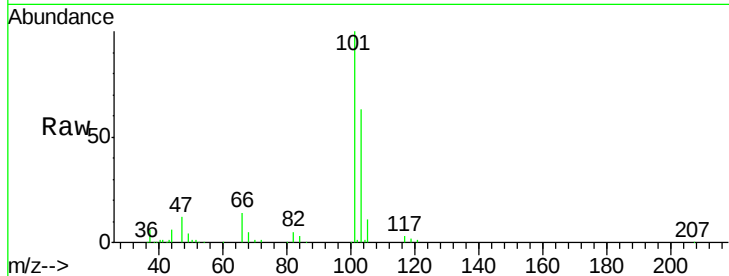
Trichlorofluoromethane
 Concen: 21.046 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	106011		
103	63.2	52.3	78.5	

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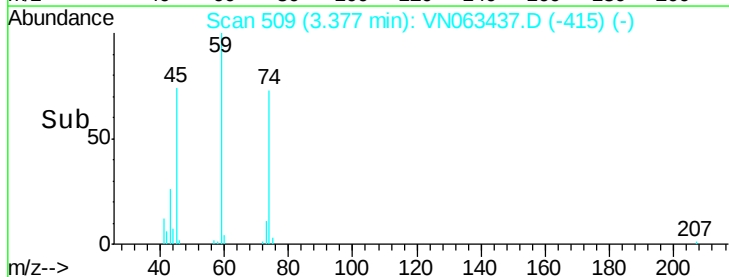
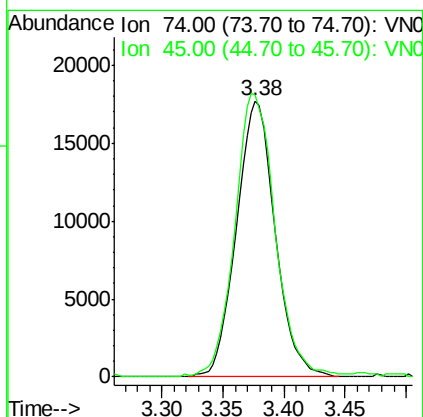
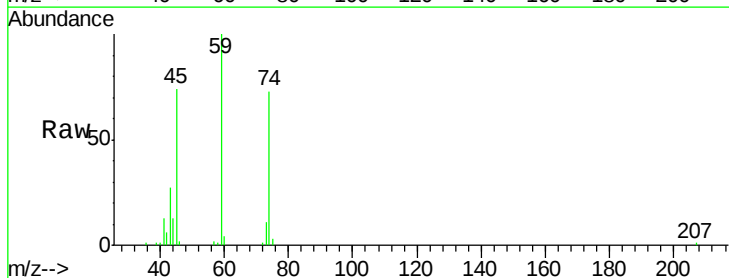
MMDadoda
 9/18/2020 10:03:05 AM

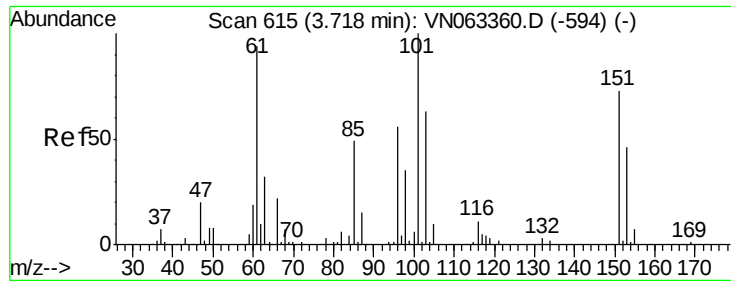


#8

Diethyl Ether
 Concen: 19.724 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38729		
45	107.6	52.1	156.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.818 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

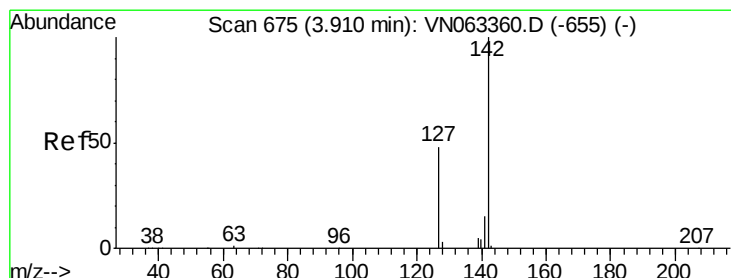
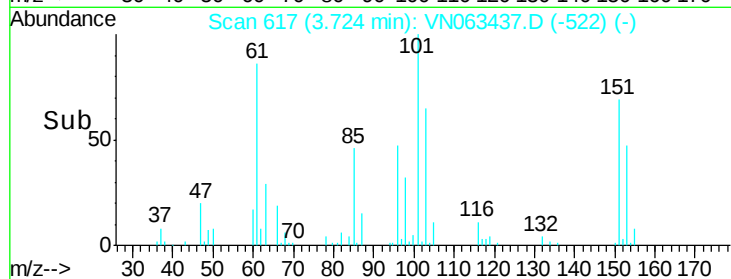
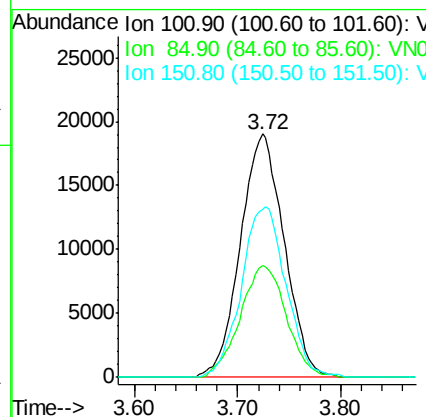
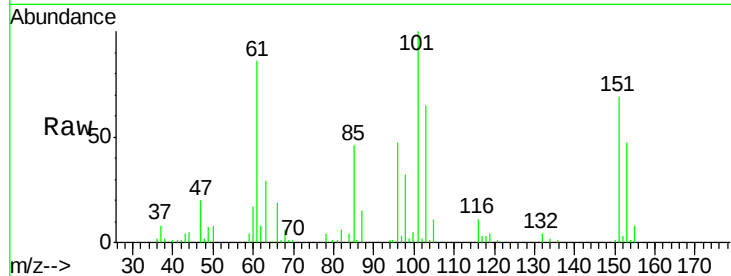
ClientSampleId :

VN0917MBSD01

Tot Ion:	101	Resp:	56139
Ion Ratio	Lower	Upper	
101	100		
85	48.5	37.7	56.5
151	71.3	57.7	86.5

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#10

Methyl Iodide

Concen: 19.907 ug/l

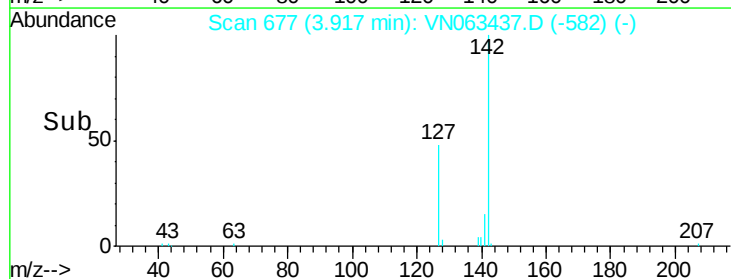
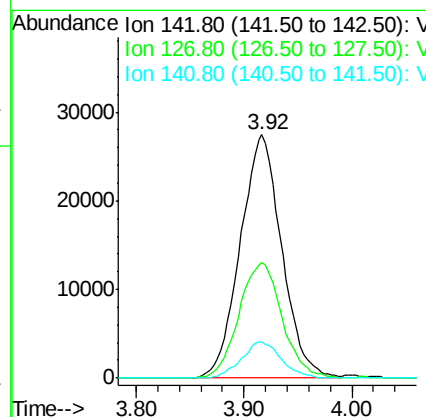
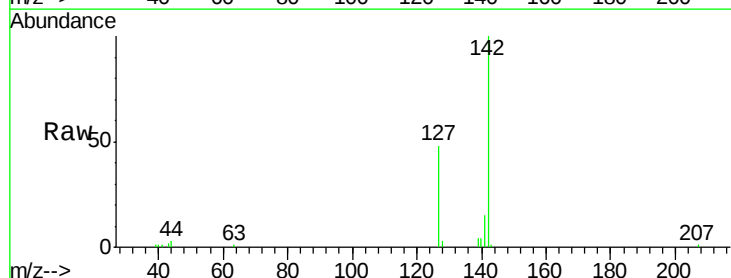
RT: 3.92 min Scan# 677

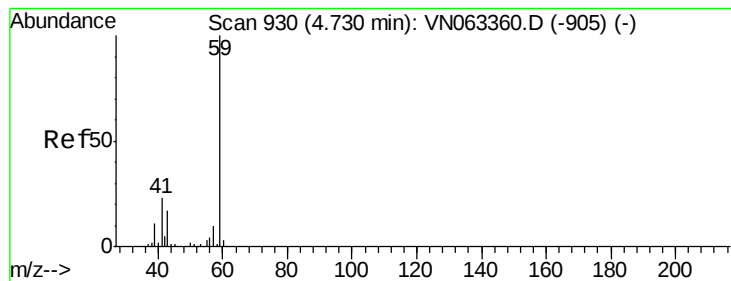
Delta R.T. 0.01 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion:	142	Resp:	73419
Ion Ratio	Lower	Upper	
142	100		
127	49.3	39.0	58.6
141	14.3	11.6	17.4





#11

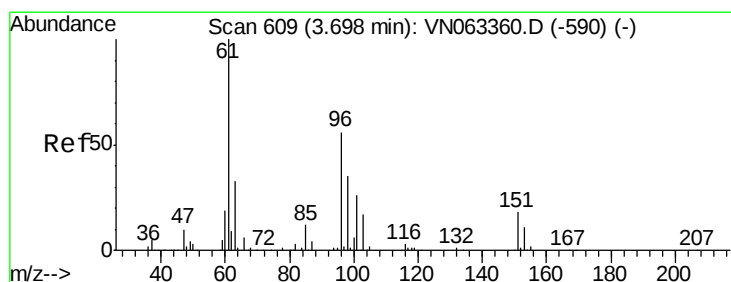
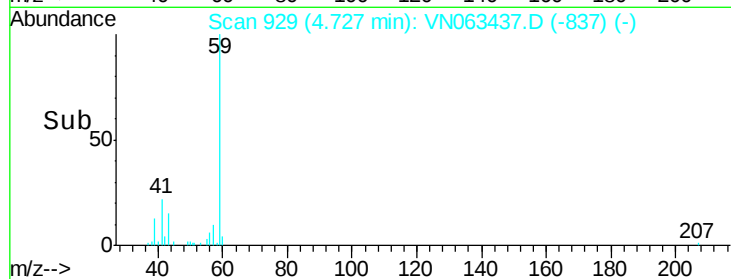
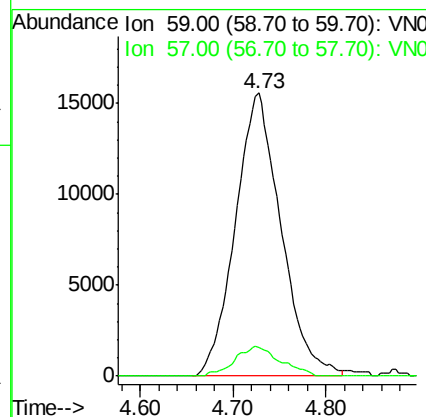
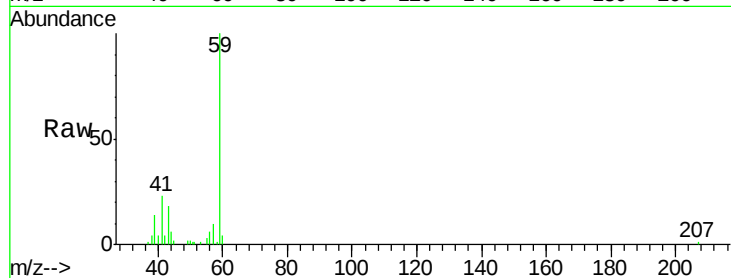
Tert butyl alcohol
 Concen: 88.829 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

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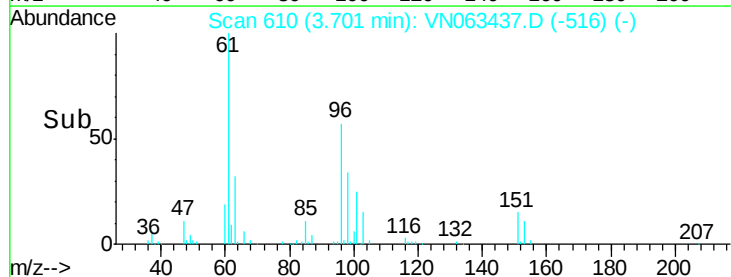
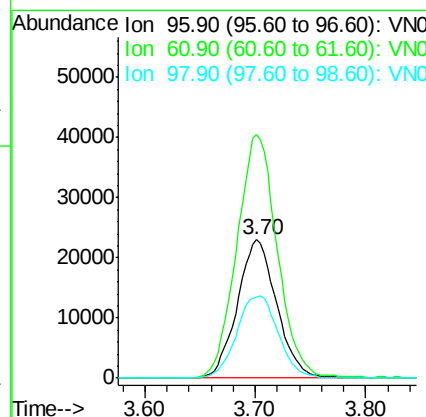
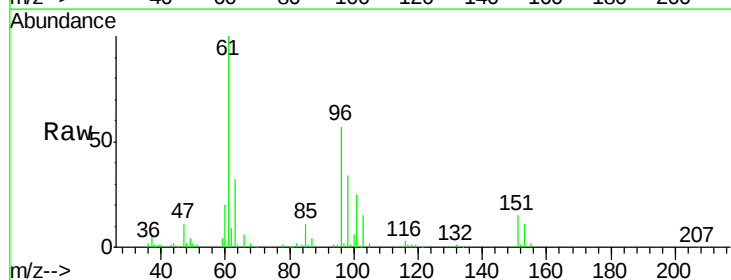
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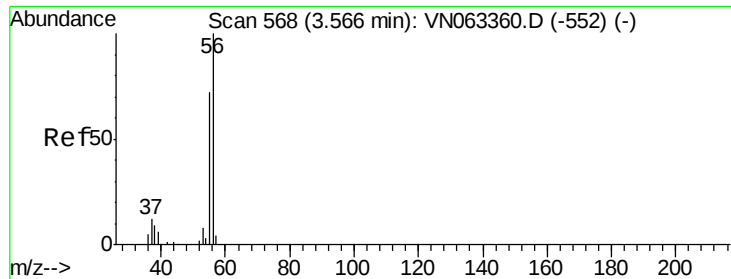


#12

1,1-Dichloroethene
 Concen: 19.755 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.1	143.4	215.2
98	59.1	50.6	76.0





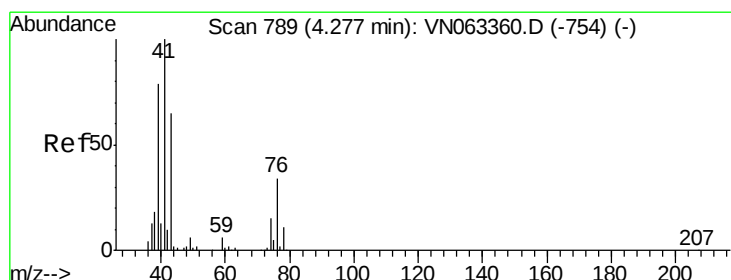
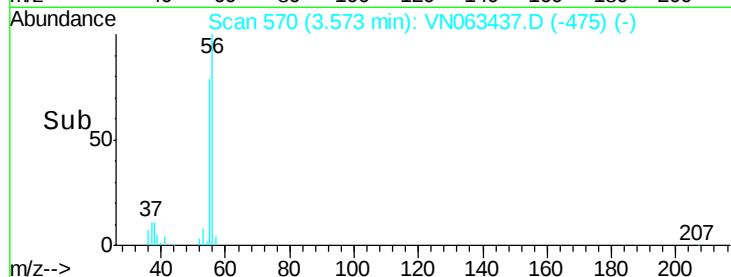
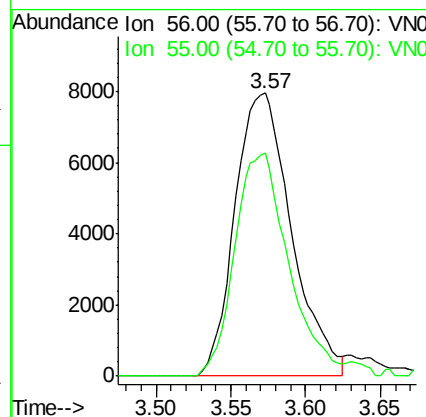
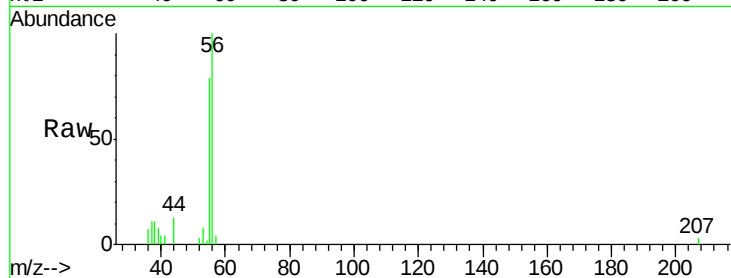
#13
Acrolein
Concen: 94.127 ug/l
RT: 3.57 min Scan# 570
Delta R.T. 0.01 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	56	Resp	20915
Ion Ratio	100	Lower	Upper
56	100		
55	75.0	58.2	87.2

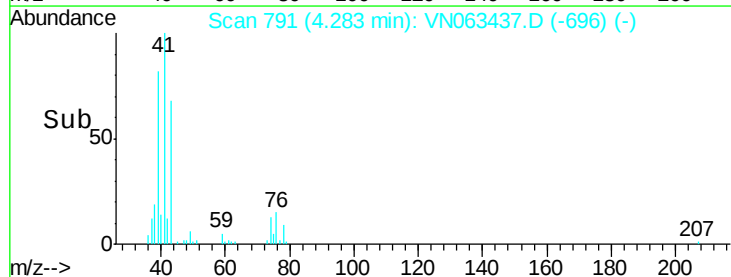
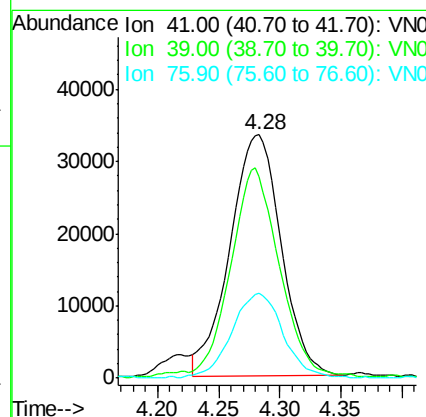
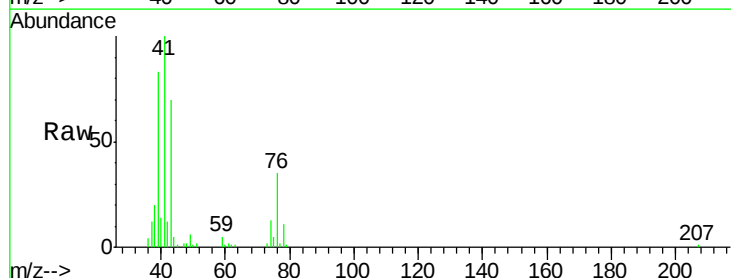
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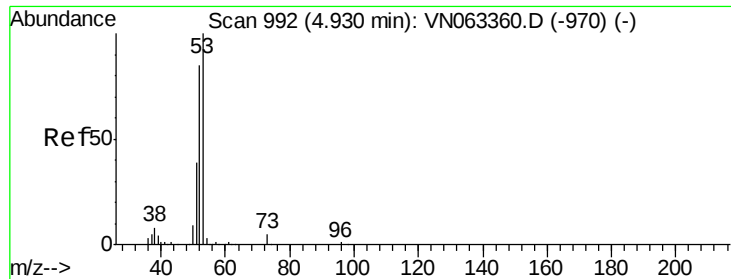
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#14
Allyl chloride
Concen: 17.075 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	41	Resp	96906
Ion Ratio	100	Lower	Upper
41	100		
39	85.7	59.3	88.9
76	35.3	25.3	37.9





#15

Acrylonitrile

Concen: 97.018 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

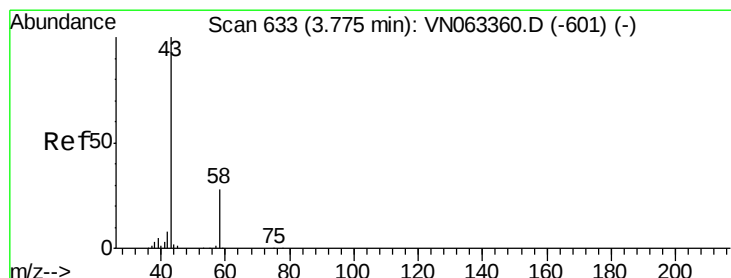
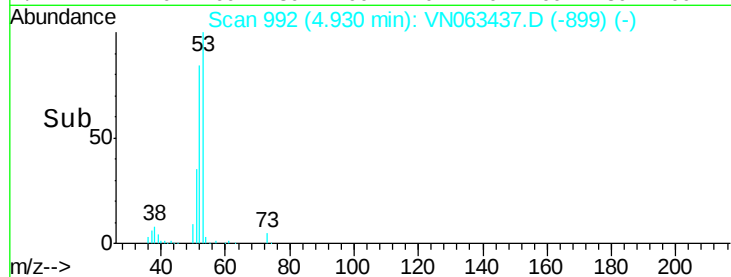
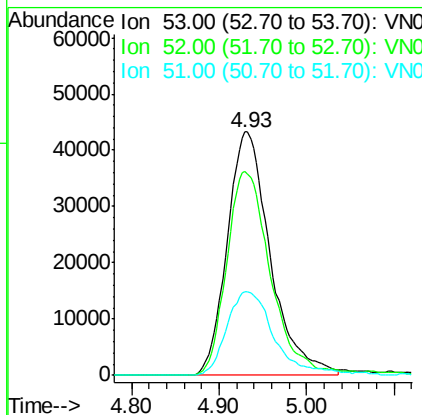
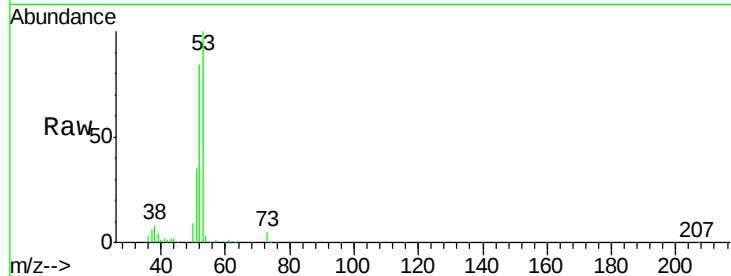
ClientSampleId :

VN0917MBSD01

Tot Ion:	53	Resp:	147967
Ion	Ratio	Lower	Upper
53	100		
52	84.7	66.4	99.6
51	37.6	30.2	45.4

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#16

Acetone

Concen: 98.869 ug/l

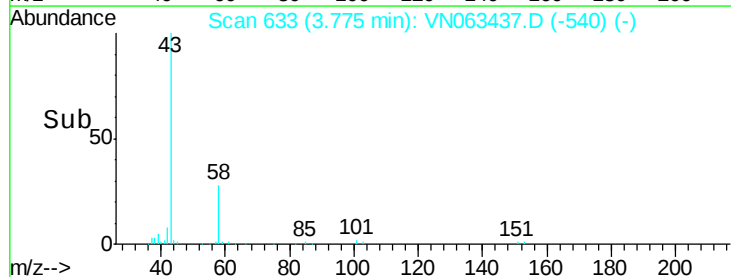
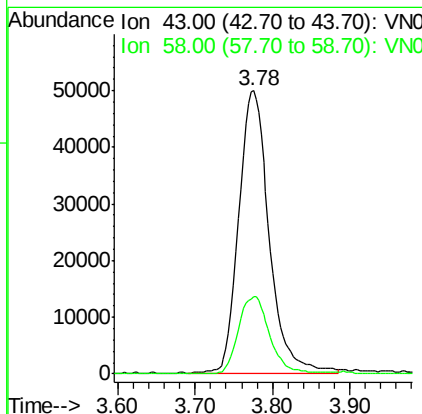
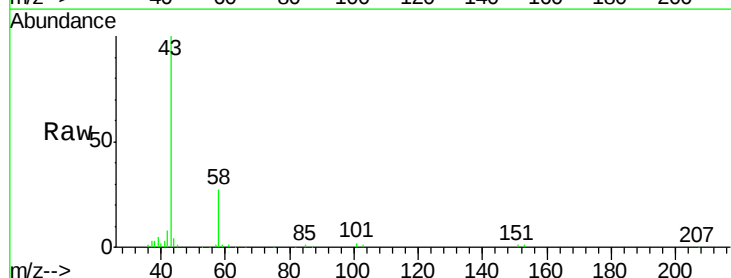
RT: 3.78 min Scan# 633

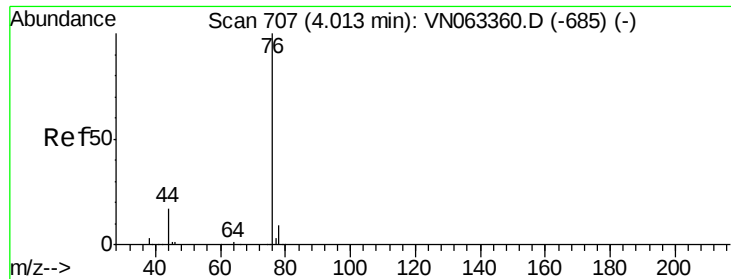
Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion:	43	Resp:	137523
Ion	Ratio	Lower	Upper
43	100		
58	27.4	22.3	33.5





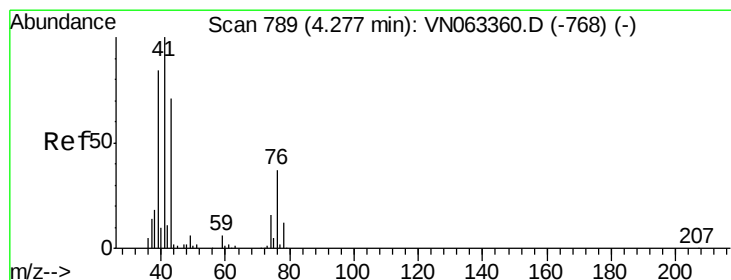
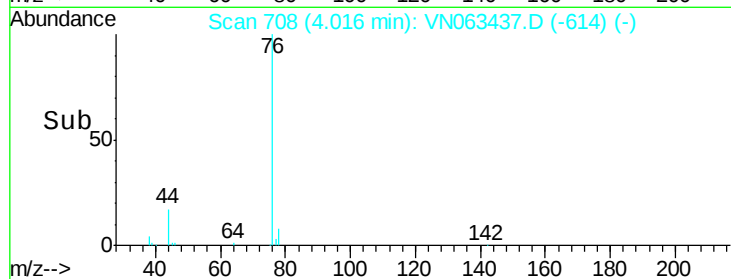
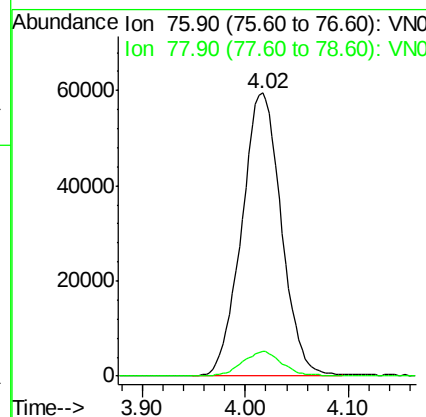
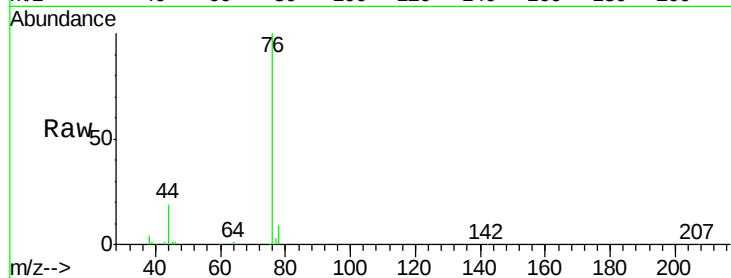
#17
Carbon Disulfide
Concen: 19.029 ug/l
RT: 4.02 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion: 76 Resp: 158814
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8

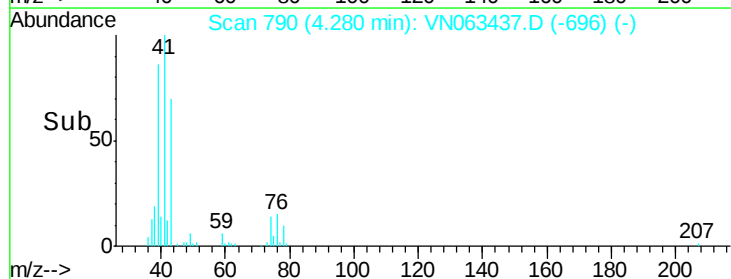
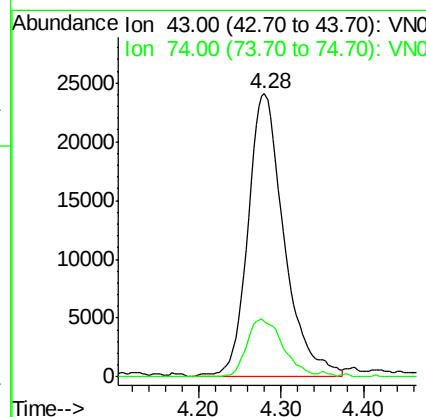
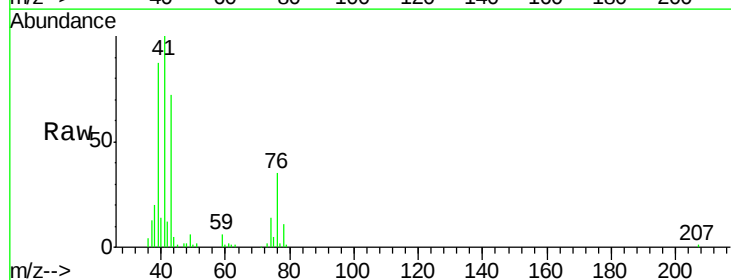
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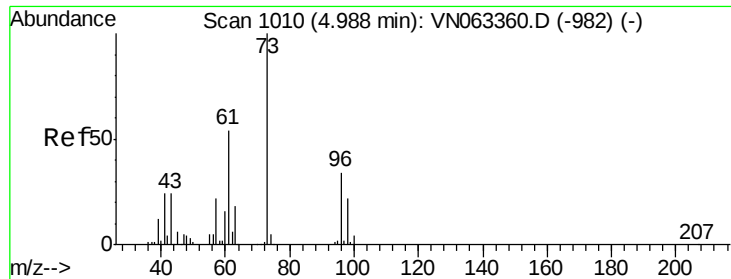
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#18
Methyl Acetate
Concen: 20.703 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion: 43 Resp: 73105
Ion Ratio Lower Upper
43 100
74 20.4 17.4 26.2





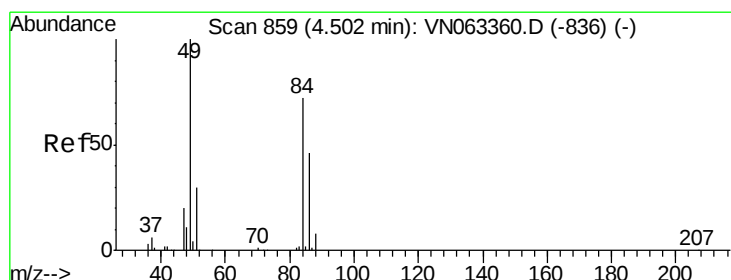
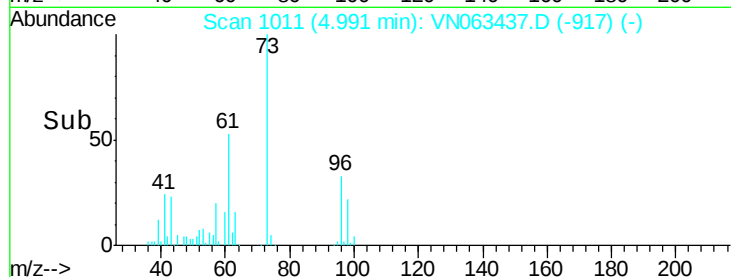
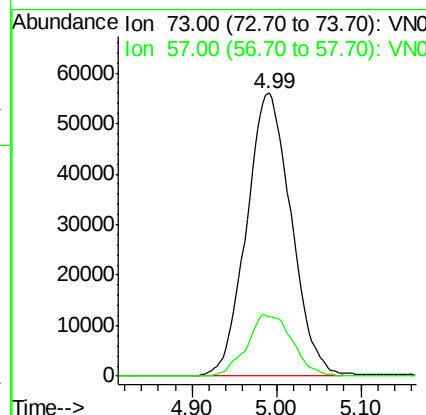
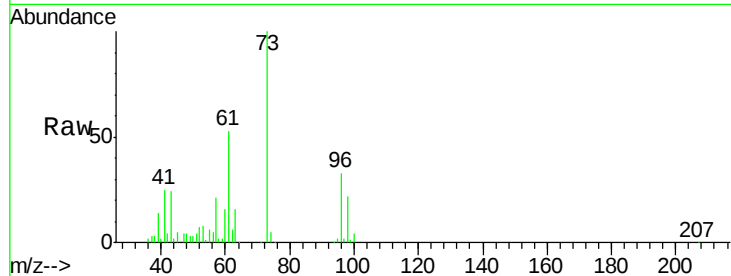
#19
Methvl tert-butvl Ether
Concen: 19.290 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion: 73 Resp: 206283
Ion Ratio Lower Upper
73 100
57 21.2 17.9 26.9

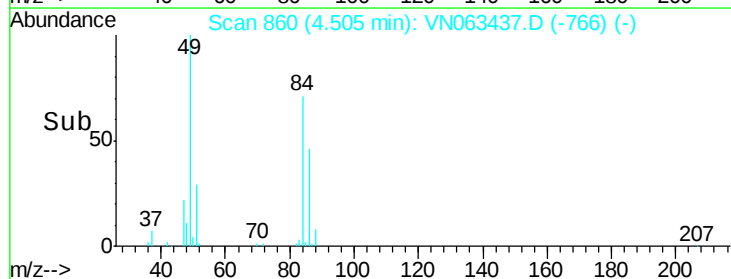
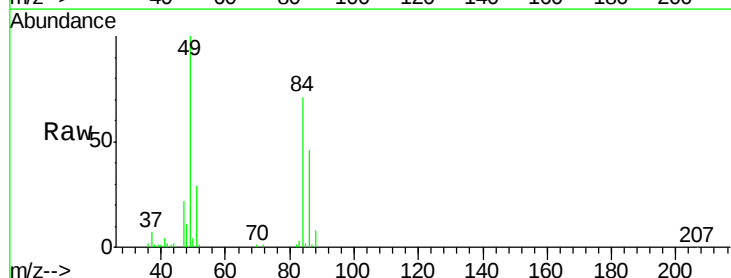
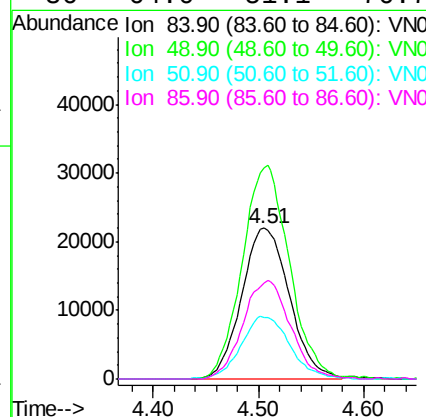
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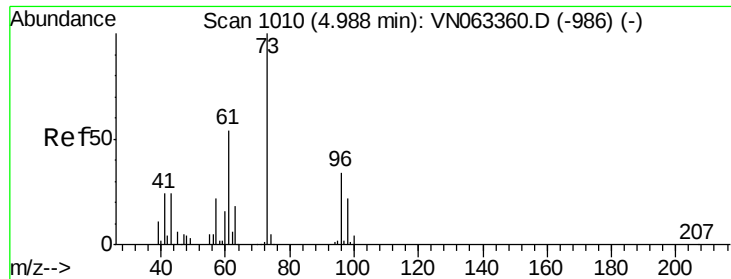
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#20
Methylene Chloride
Concen: 19.654 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion: 84 Resp: 69265
Ion Ratio Lower Upper
84 100
49 140.4 110.7 166.1
51 40.0 32.9 49.3
86 64.0 51.1 76.7





#21

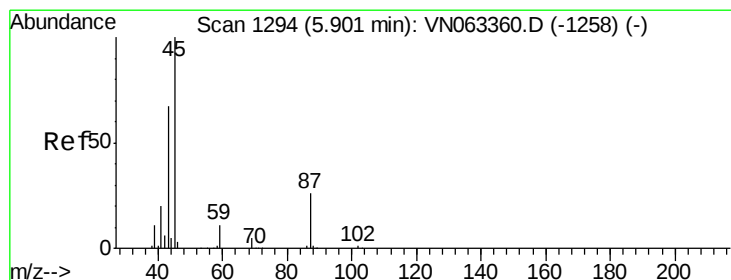
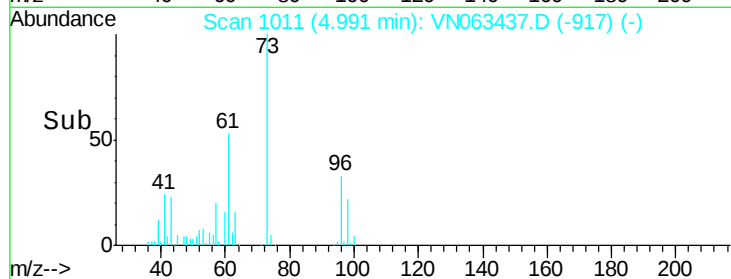
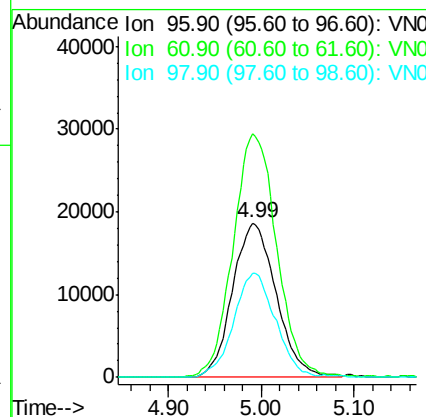
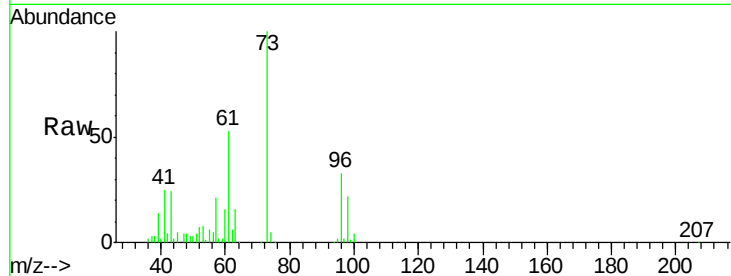
trans-1,2-Dichloroethene
Concen: 19.148 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.4	126.2	189.4
98	67.3	51.0	76.4

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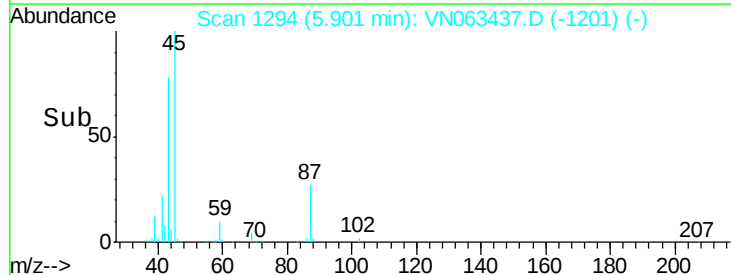
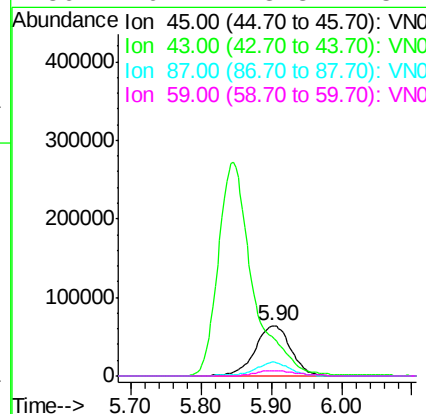
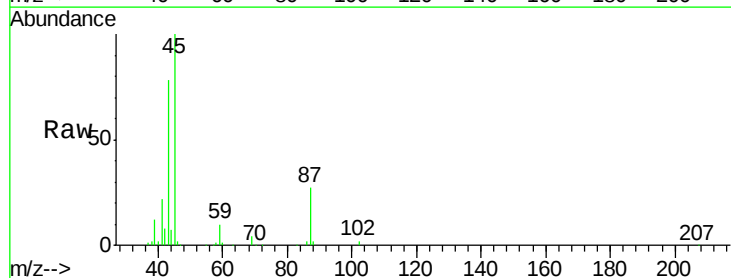
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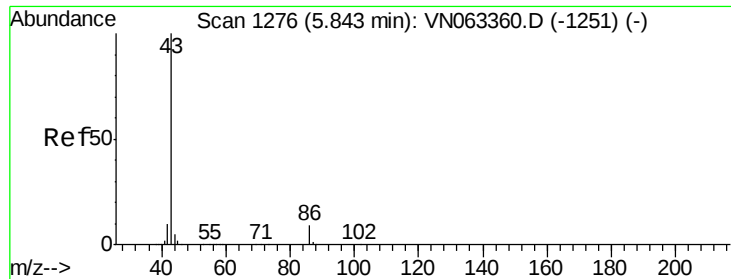


#22

Diisopropyl ether
Concen: 19.625 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	75.6	53.5	80.3
87	27.3	21.2	31.8
59	10.1	8.8	13.2





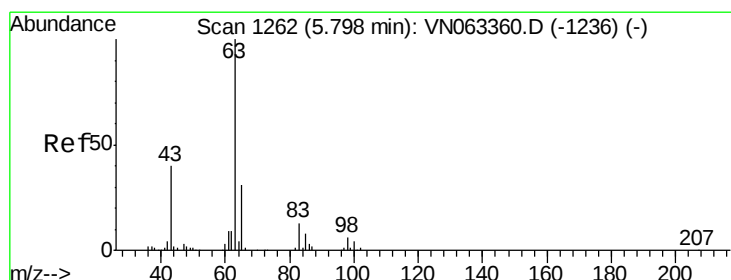
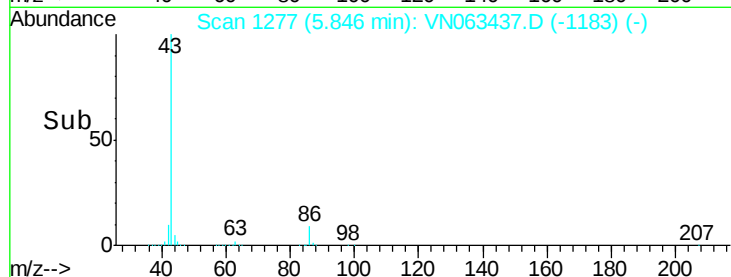
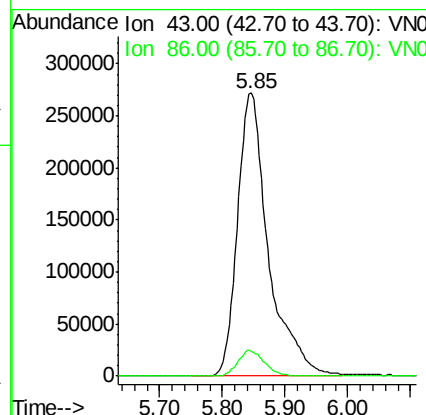
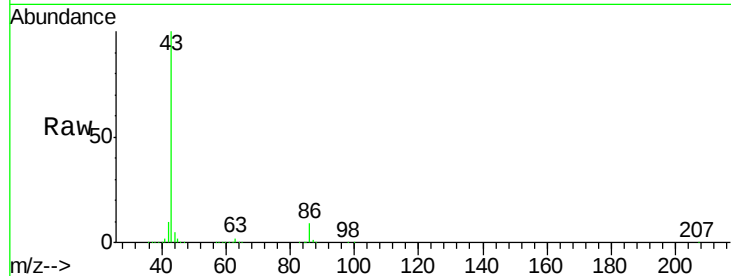
#23
 Vinyl Acetate
 Concen: 97.918 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	8.8	7.1	10.7

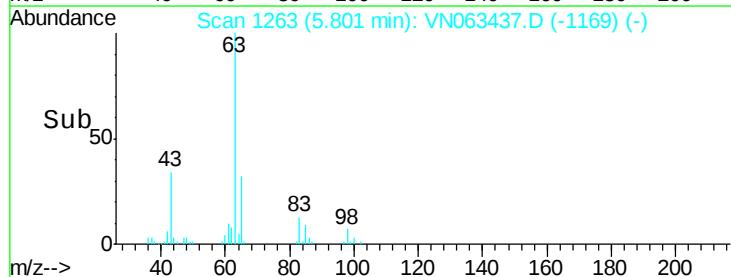
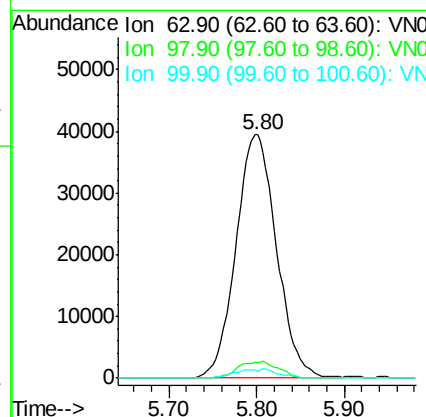
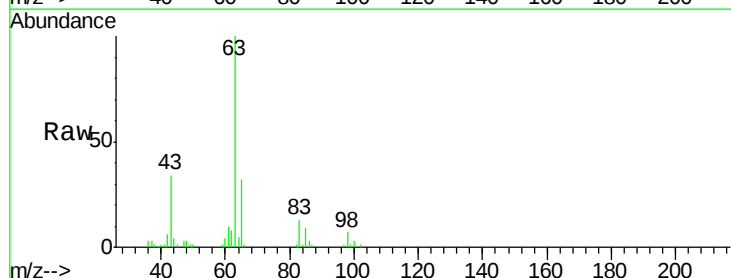
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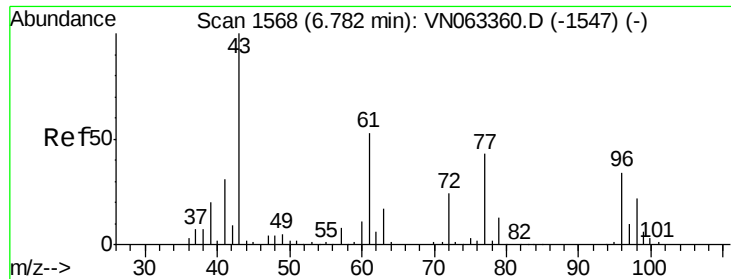
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#24
 1,1-Dichloroethane
 Concen: 20.058 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.6	2.9	8.8
100	3.0	2.1	6.3





#25

2-Butanone

Concen: 96.941 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

Tot Ion: 43 Resp: 207383

Ion Ratio Lower Upper

43 100

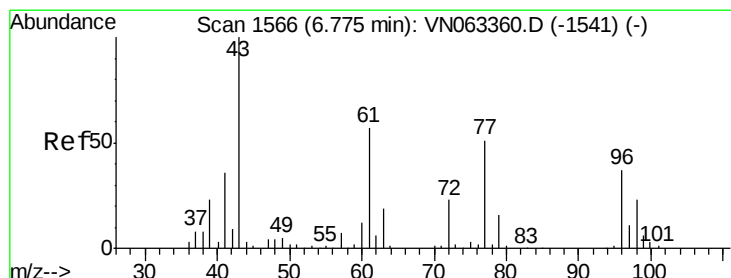
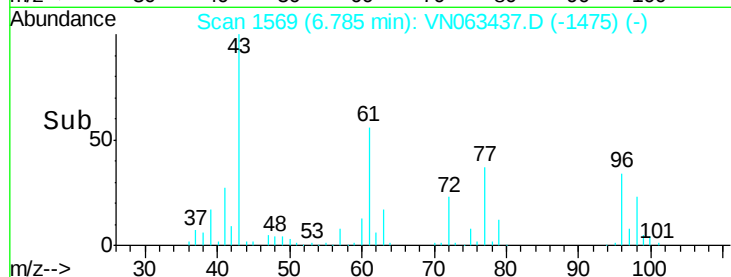
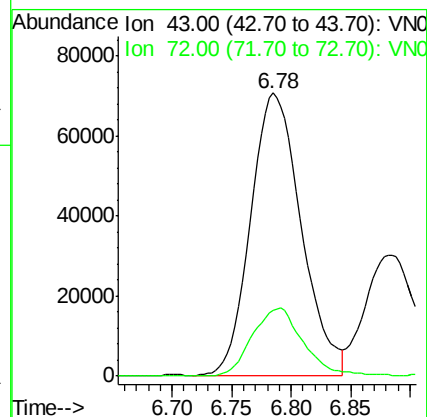
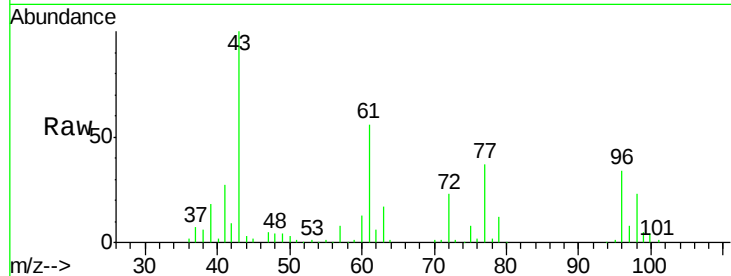
72 23.3 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.060 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063437.D

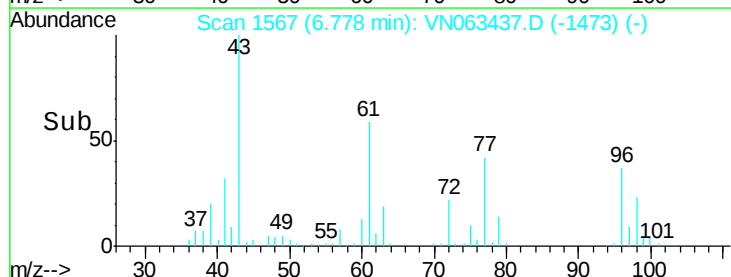
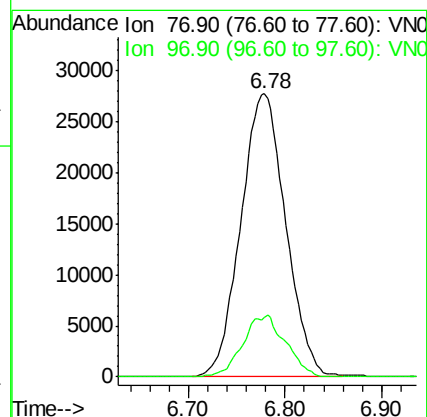
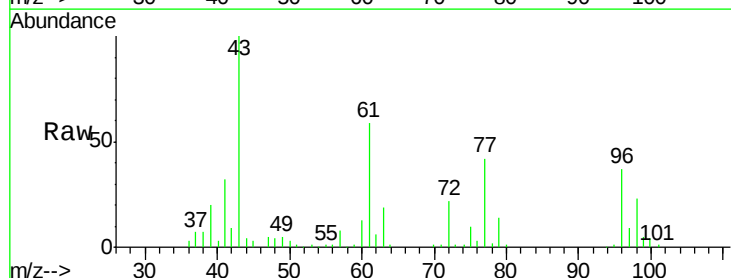
Acq: 17 Sep 2020 23:11

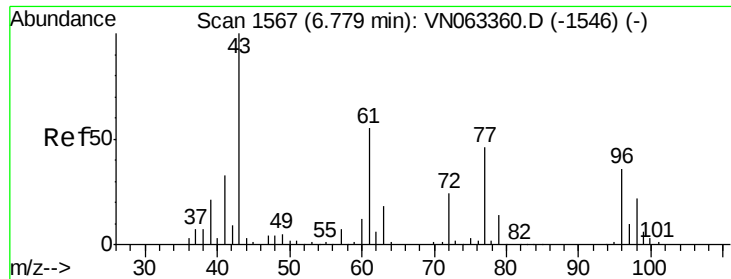
Tgt Ion: 77 Resp: 89352

Ion Ratio Lower Upper

77 100

97 20.8 10.5 31.6





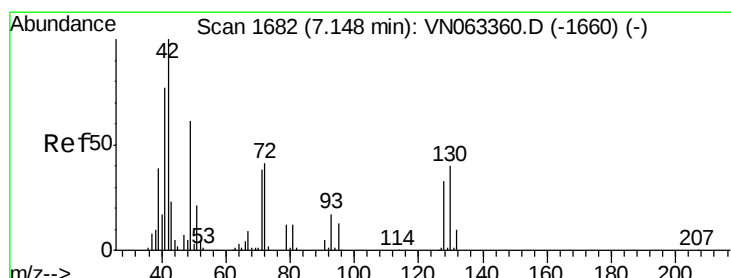
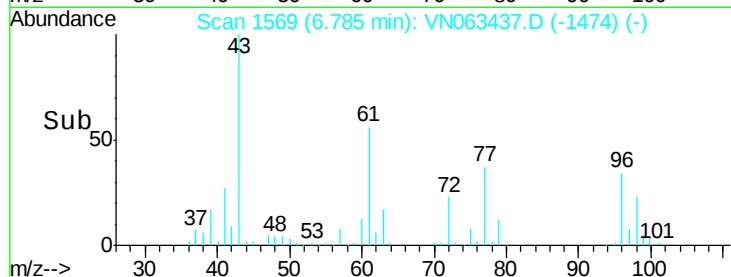
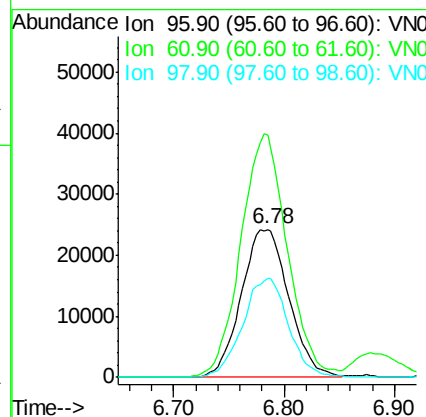
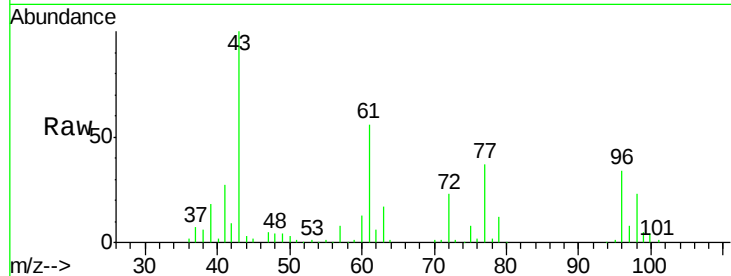
#27
 cis-1,2-Dichloroethene
 Concen: 20.105 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.6	0.0	319.6
98	64.2	0.0	127.8

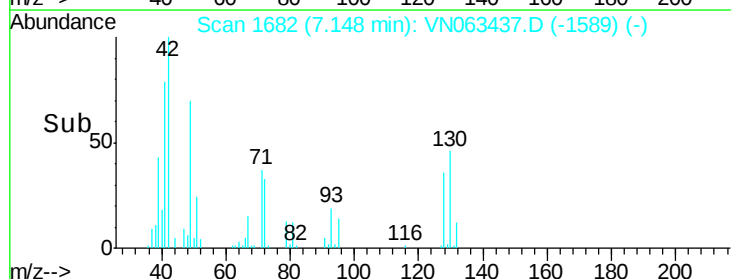
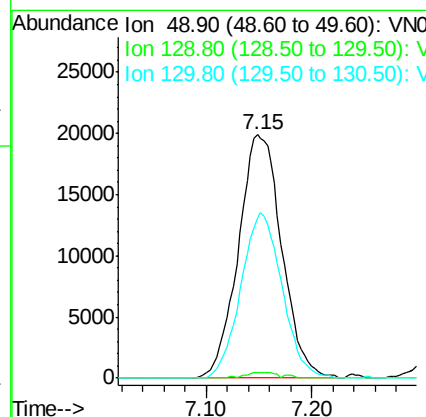
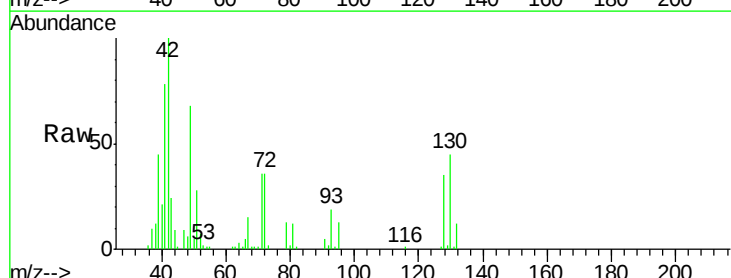
Manual Integrations
 APPROVED

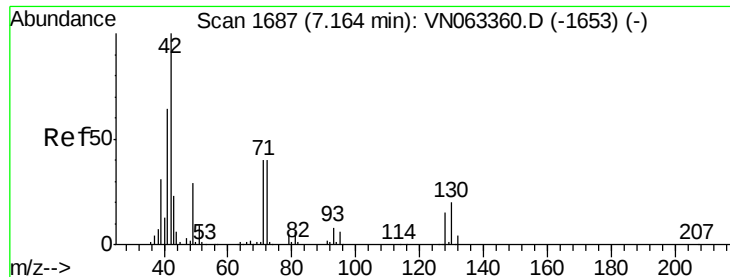
MMDadoda
 9/18/2020 10:03:05 AM



#28
 Bromochloromethane
 Concen: 19.477 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	64.3	52.2	78.2





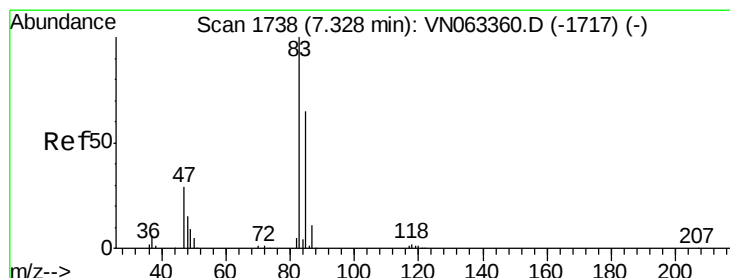
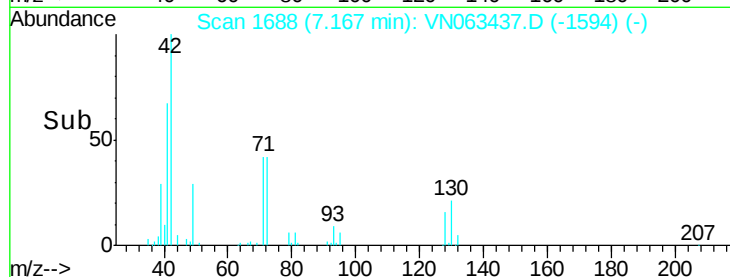
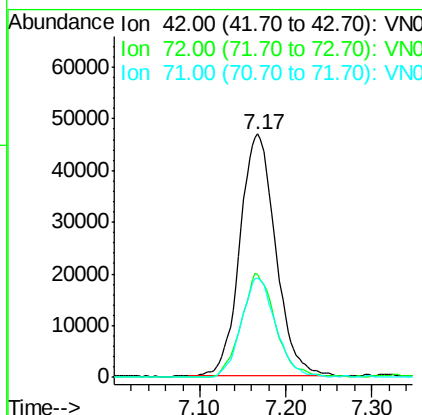
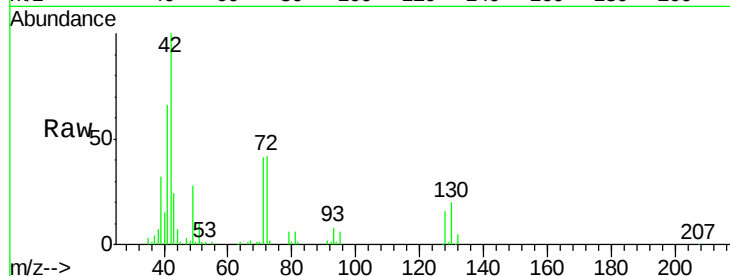
#29
Tetrahydrofuran
Concen: 92.799 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.1	48.1
71	39.5	31.2	46.8

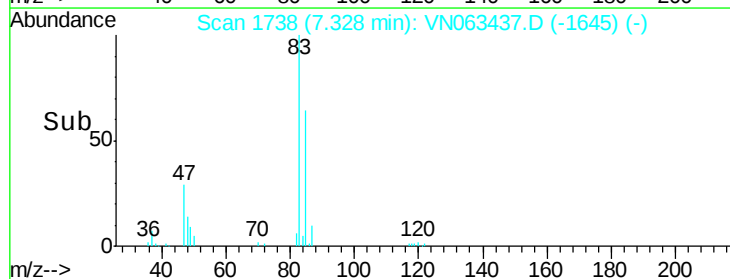
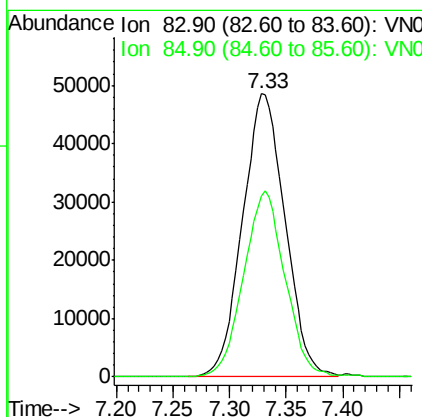
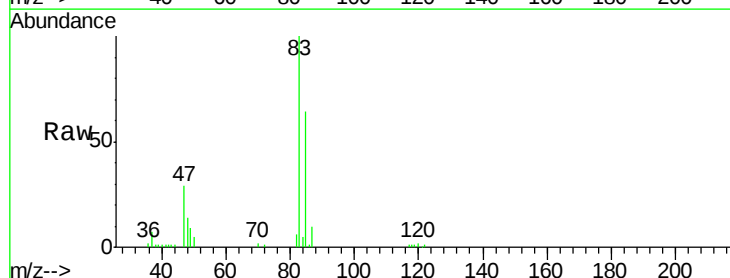
Manual Integrations
APPROVED

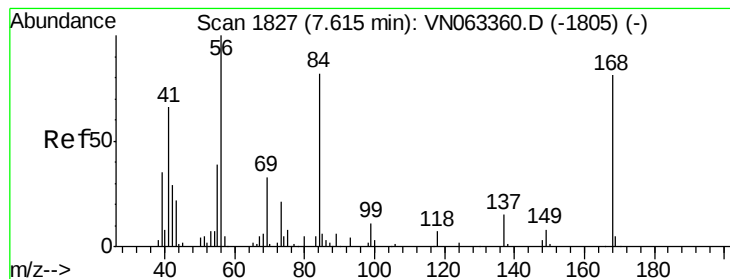
MMDadoda
9/18/2020 10:03:05 AM



#30
Chloroform
Concen: 20.005 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.1	78.1





#31

Cvclohexane

Concen: 18.563 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

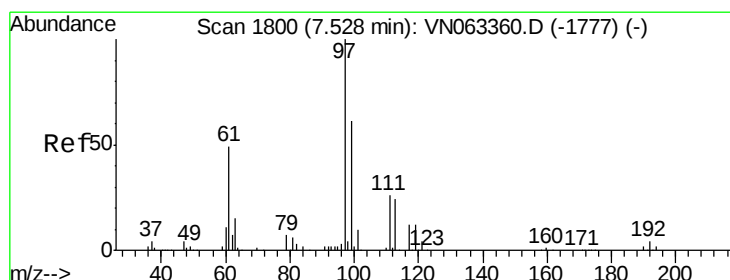
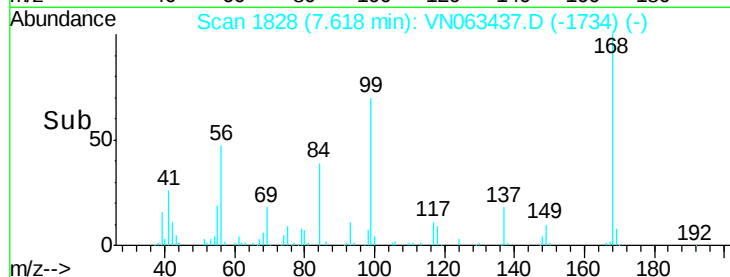
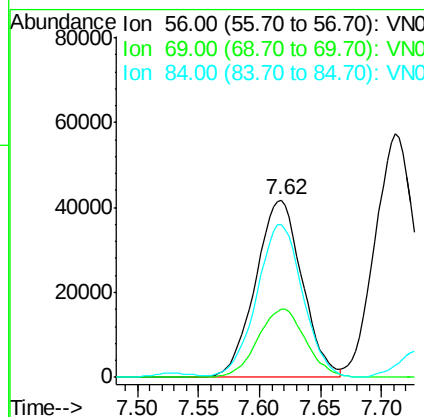
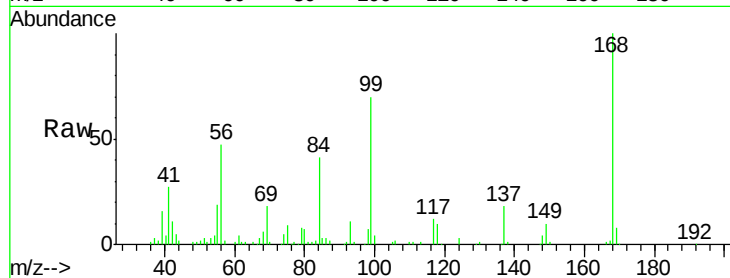
ClientSampleId :

VN0917MBSD01

Tot Ion:	56	Resp:	110961
Ion	Ratio	Lower	Upper
56	100		
69	38.6	26.1	39.1
84	84.6	65.4	98.2

Manual Integrations
APPROVED

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9/18/2020 10:03:05 AM



#32

1,1,1-Trichloroethane

Concen: 19.808 ug/l

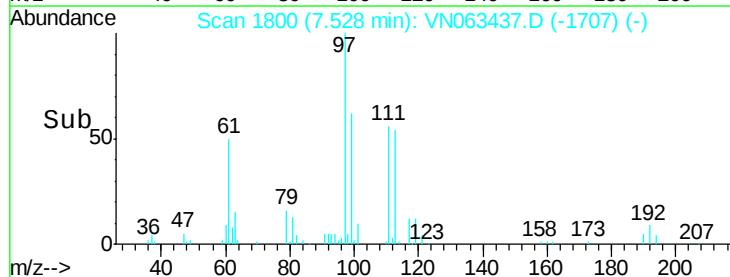
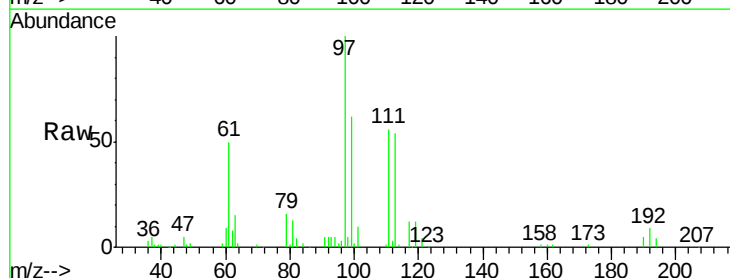
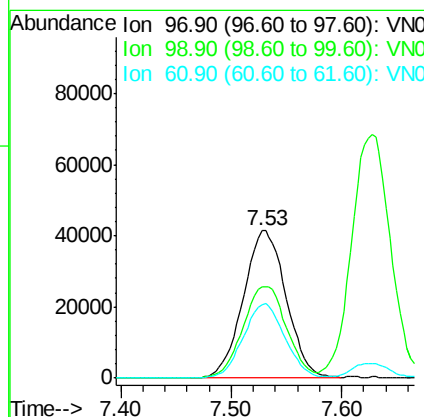
RT: 7.53 min Scan# 1800

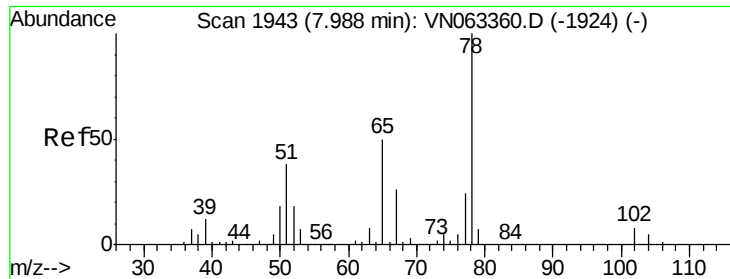
Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion:	97	Resp:	111701
Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.6	76.0
61	49.0	39.2	58.8





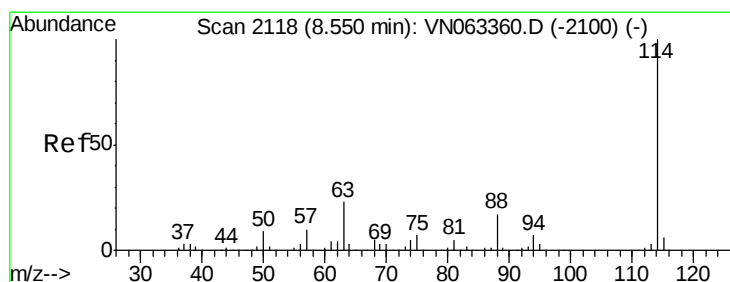
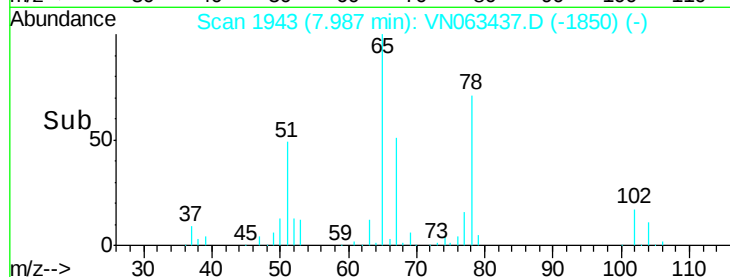
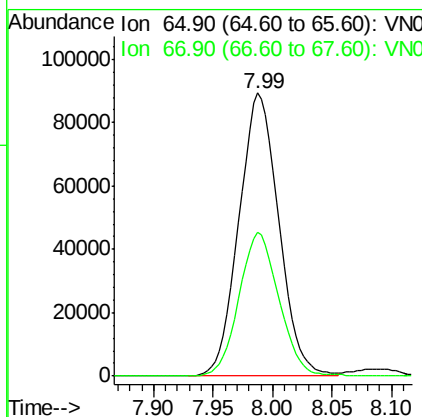
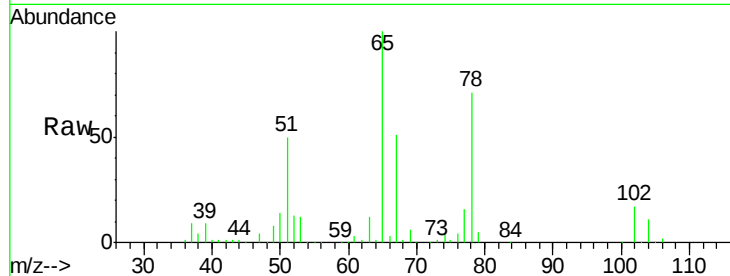
#33
 1,2-Dichloroethane-d4
 Concen: 47.941 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	207492		
67	50.8	0.0	104.2	

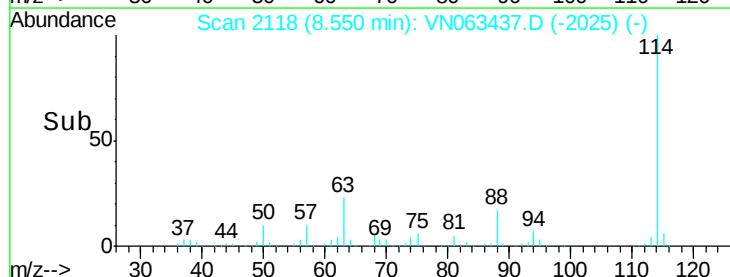
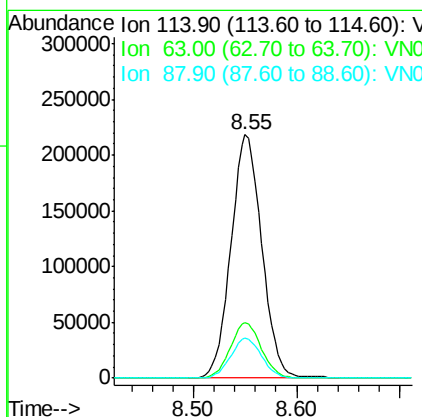
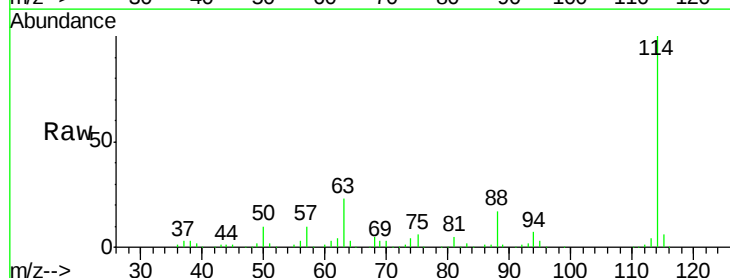
Manual Integrations
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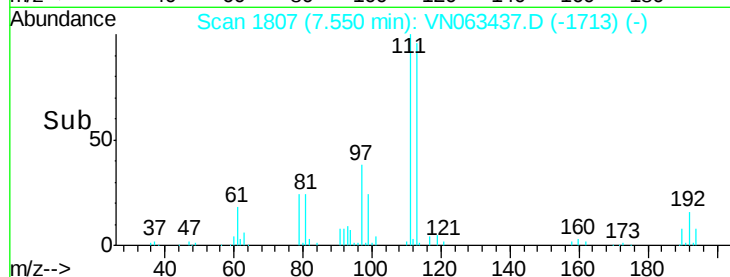
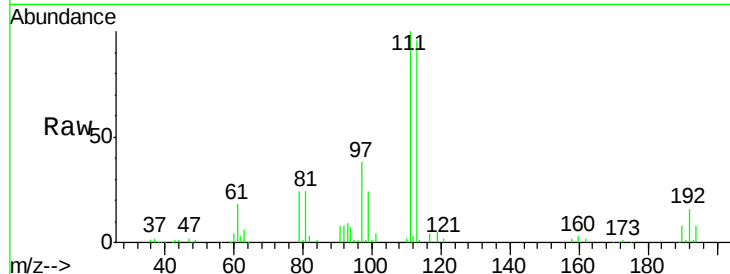
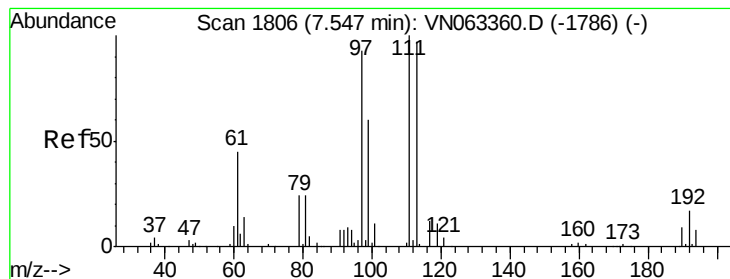
MMDadoda
 9/18/2020 10:03:05 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	455382		
63	22.7	0.0	46.4	
88	16.6	0.0	33.2	





#35

Dibromofluoromethane

Concen: 45.722 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tot Ion:	113	Resp:	144138
Ion Ratio	Lower	Upper	
113	100		
111	104.0	82.9	124.3
192	17.5	13.9	20.9

Instrument :

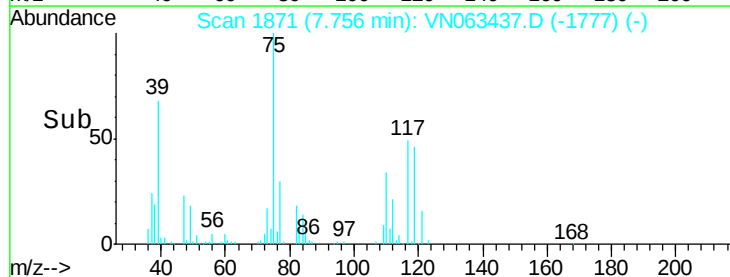
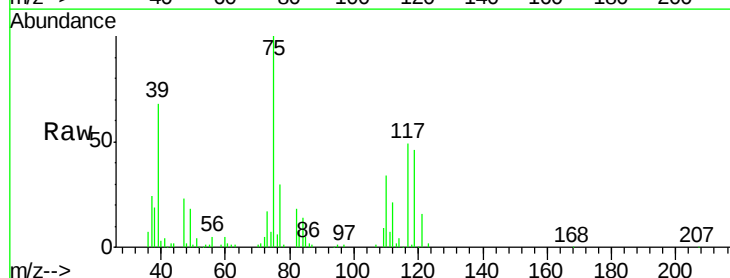
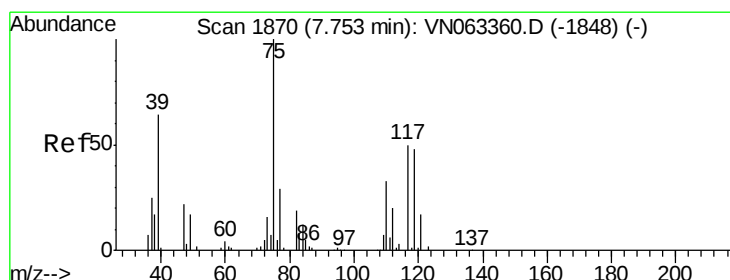
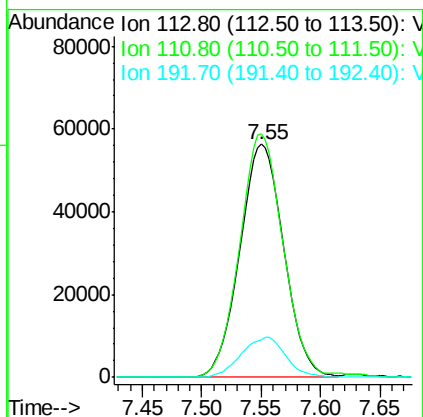
MSVOA_N

ClientSampleId :

VN0917MBS01

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#36

1,1-Dichloropropene

Concen: 19.110 ug/l

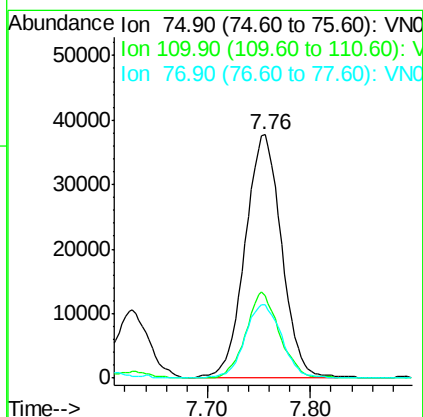
RT: 7.76 min Scan# 1871

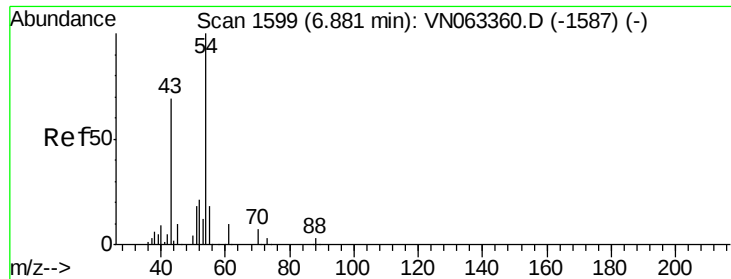
Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion:	75	Resp:	92709
Ion Ratio	Lower	Upper	
75	100		
110	32.3	16.5	49.5
77	30.5	24.6	36.8





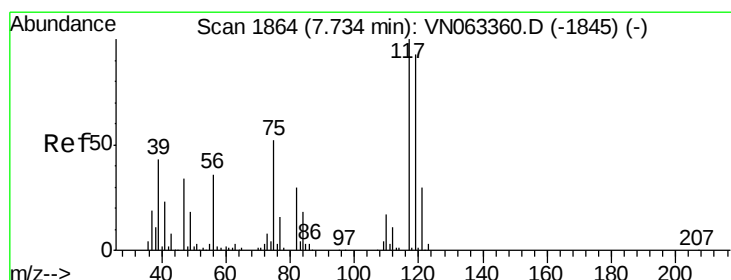
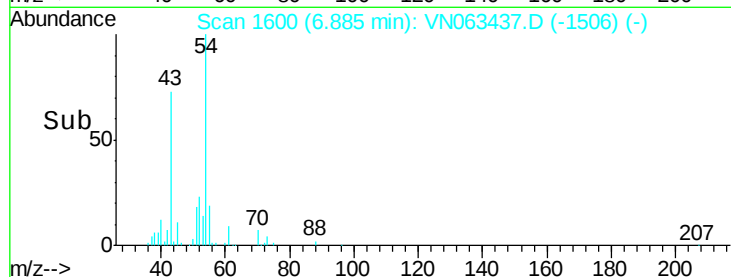
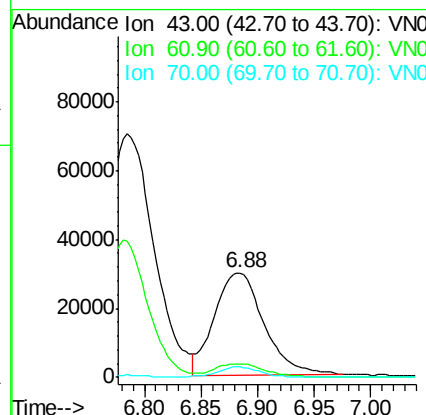
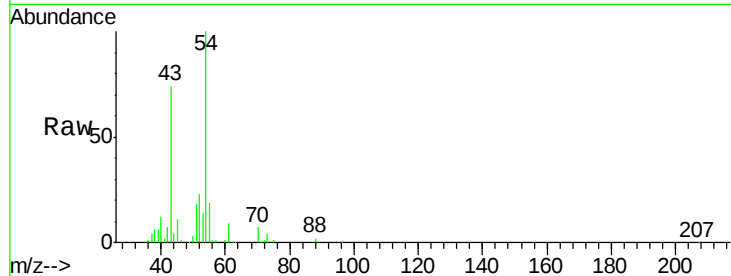
#37
Ethyl Acetate
Concen: 19.025 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.6	15.8
70	9.0	7.2	10.8

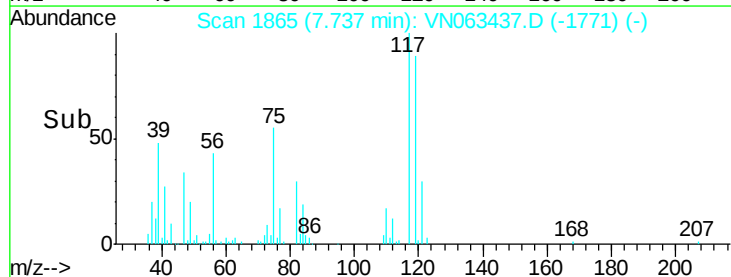
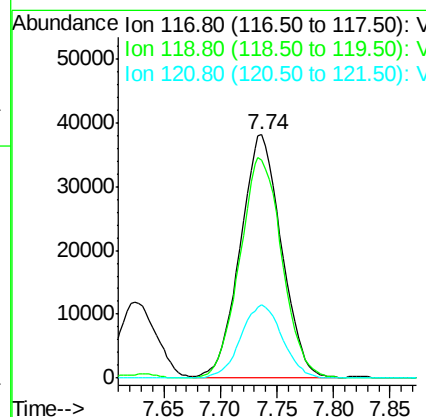
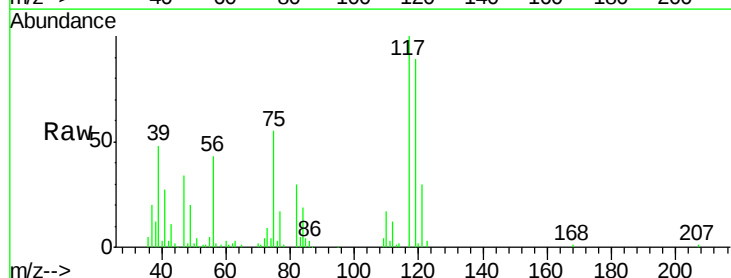
Manual Integrations
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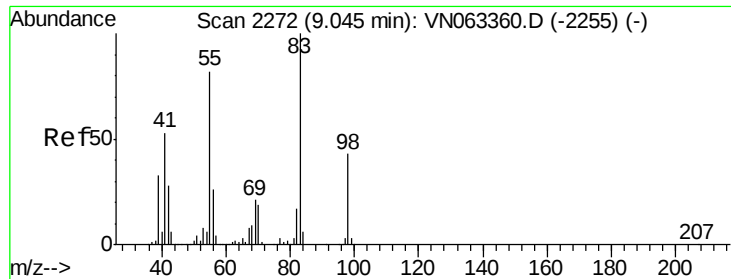
MMDadoda
9/18/2020 10:03:05 AM



#38
Carbon Tetrachloride
Concen: 19.521 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.3	74.5	111.7
121	30.0	24.1	36.1





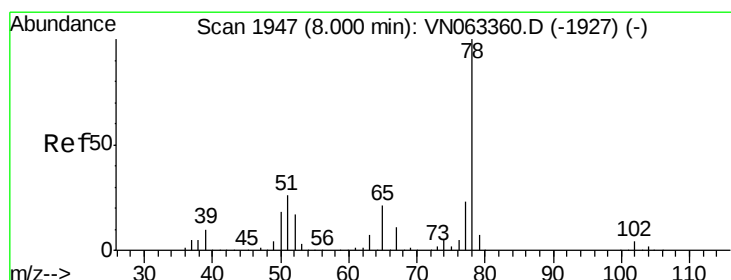
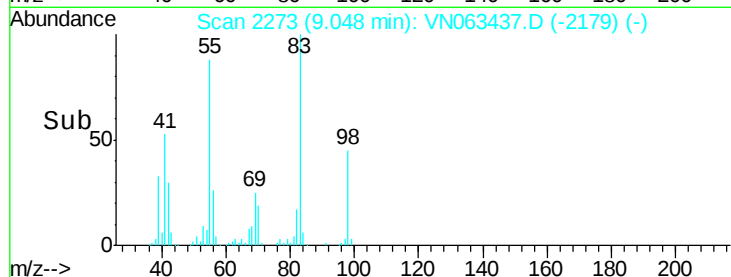
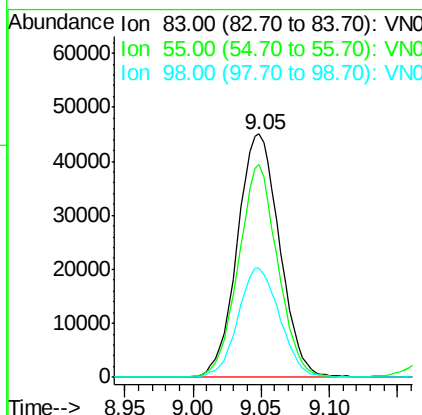
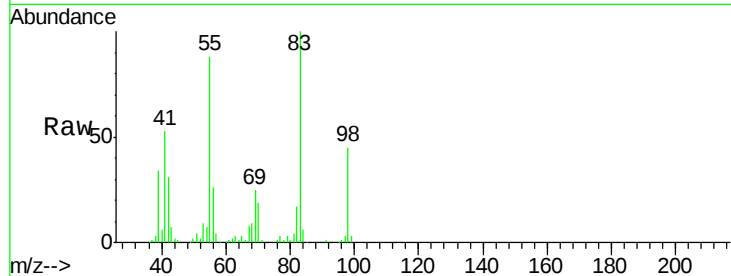
#39
Methvlcvclohexane
Concen: 18.340 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	65.5	98.3
98	45.0	34.2	51.4

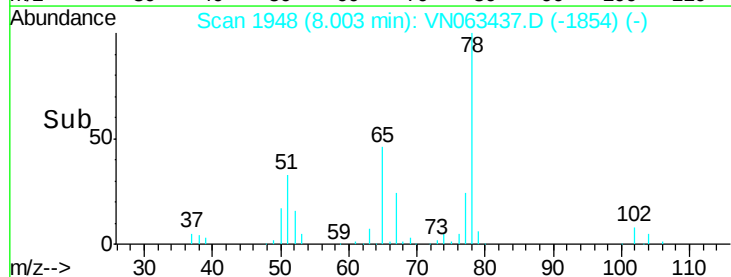
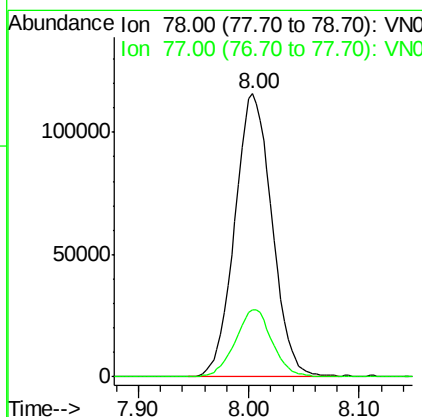
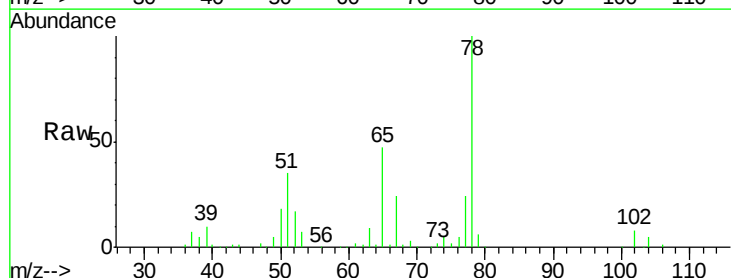
Manual Integrations
APPROVED

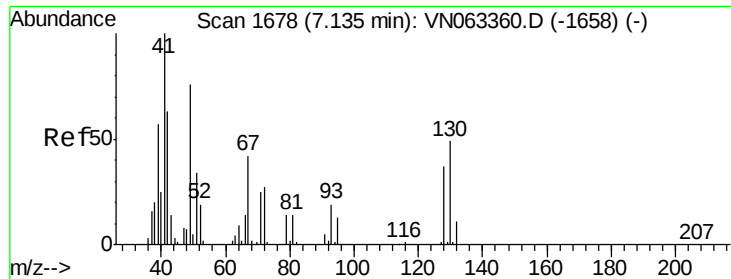
MMDadoda
9/18/2020 10:03:05 AM



#40
Benzene
Concen: 19.547 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5





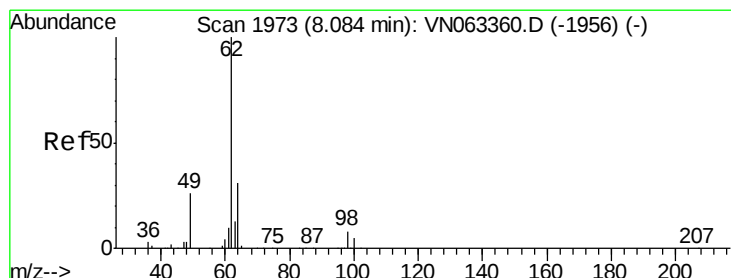
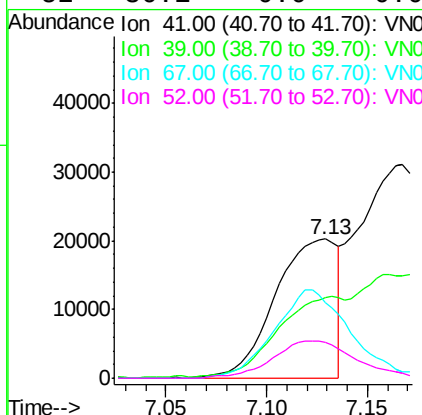
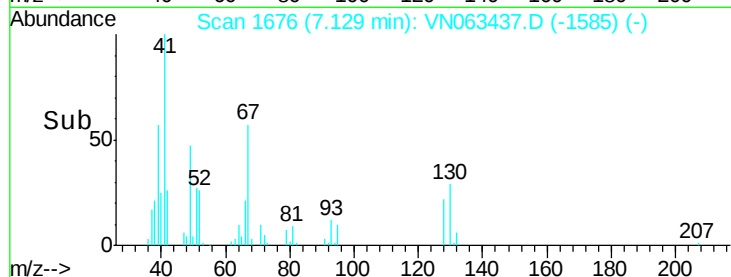
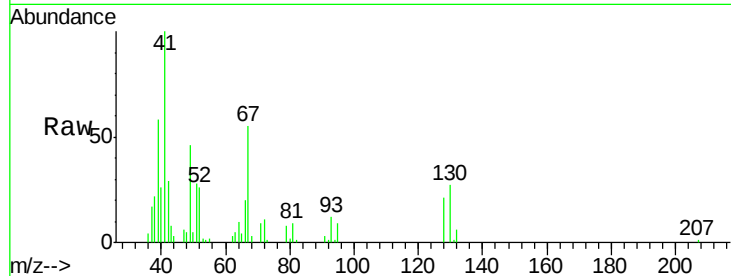
#41
Methacrylonitrile
Concen: 20.238 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.5	0.0	0.0#
67	78.8	0.0	0.0#
52	36.1	0.0	0.0#

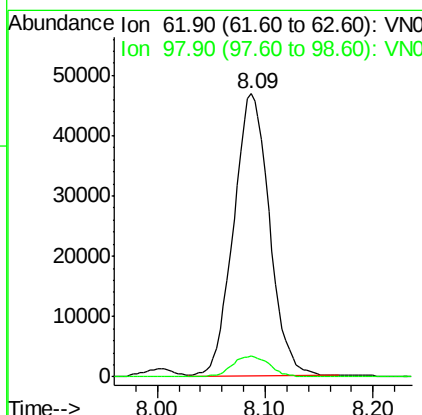
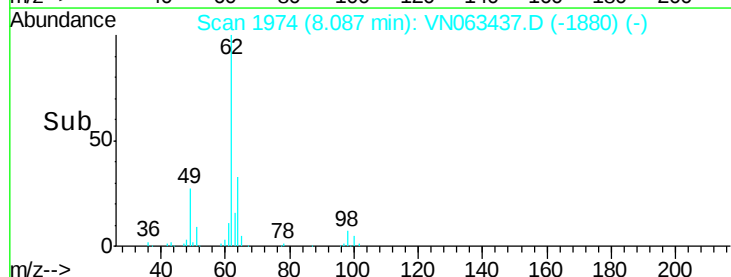
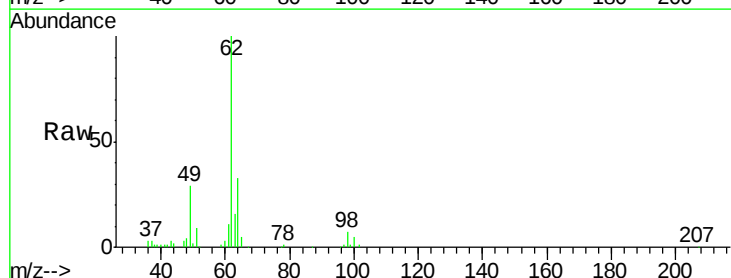
Manual Integrations
APPROVED

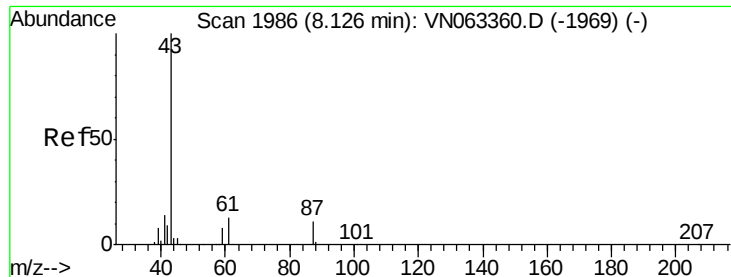
MMDadoda
9/18/2020 10:03:05 AM



#42
1,2-Dichloroethane
Concen: 19.432 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.6





#43

Isopropyl Acetate

Concen: 18.390 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

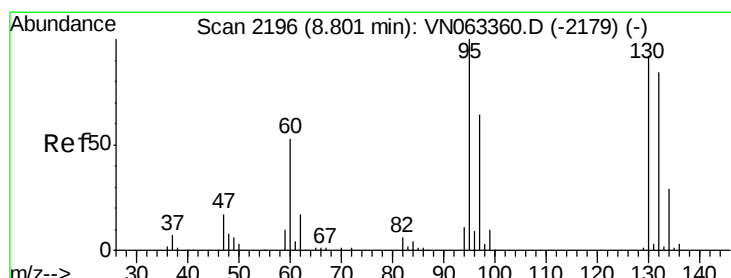
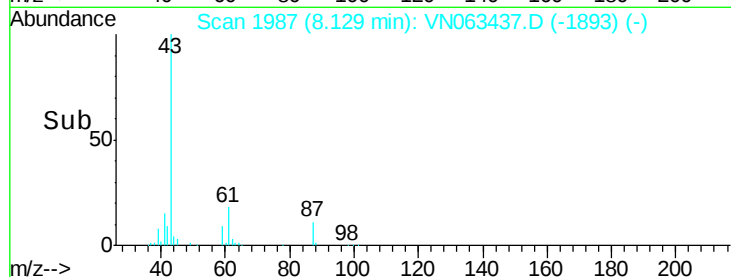
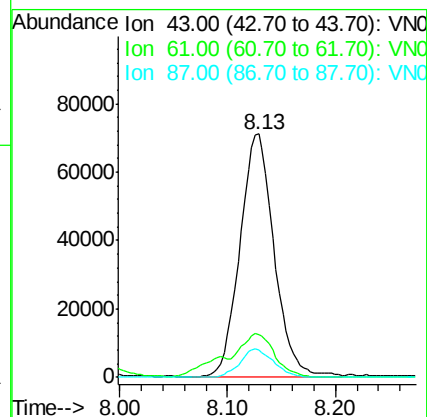
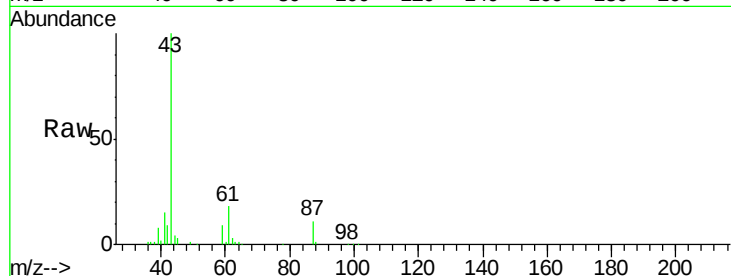
ClientSampleId :

VN0917MBSD01

Tot Ion:	43	Resp:	156577
Ion	Ratio	Lower	Upper
43	100		
61	18.1	14.2	21.2
87	11.6	9.0	13.6

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#44

Trichloroethene

Concen: 19.975 ug/l

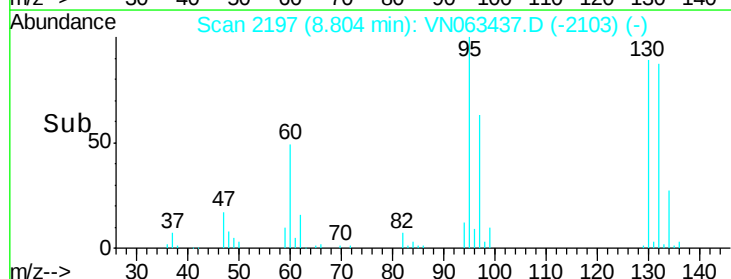
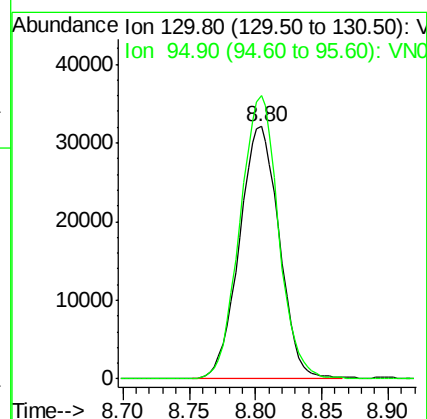
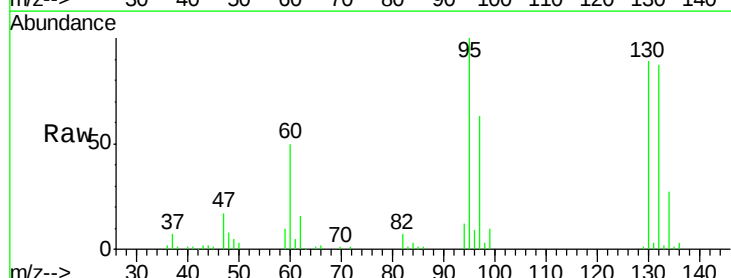
RT: 8.80 min Scan# 2197

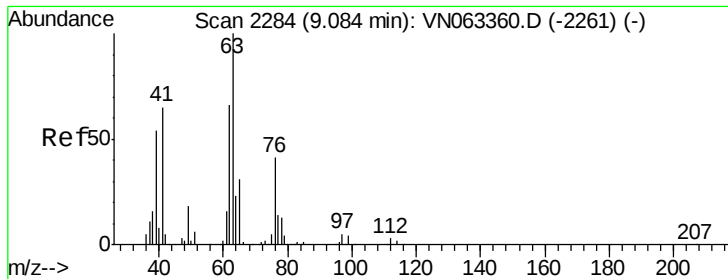
Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion:	130	Resp:	67097
Ion	Ratio	Lower	Upper
130	100		
95	112.1	0.0	217.4





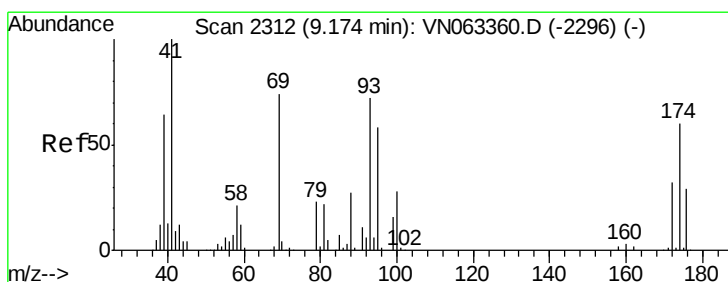
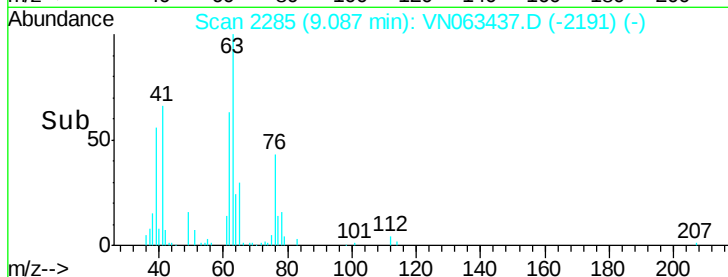
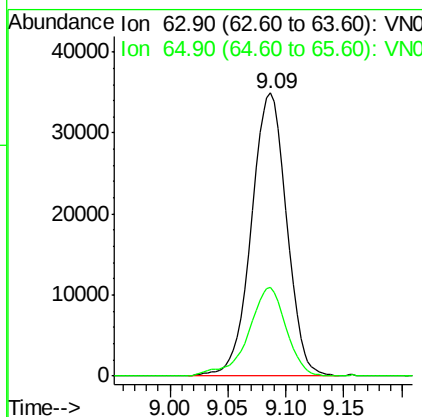
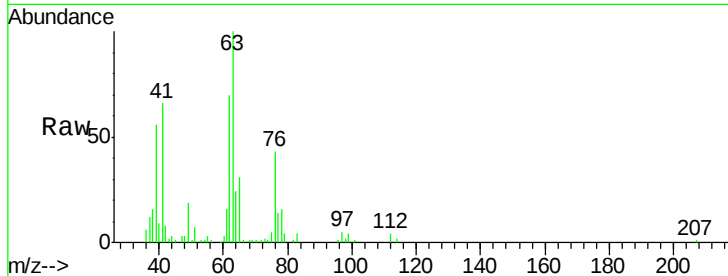
#45
 1,2-Dichloropropane
 Concen: 19.660 ug/l
 RT: 9.09 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.4	25.0	37.6

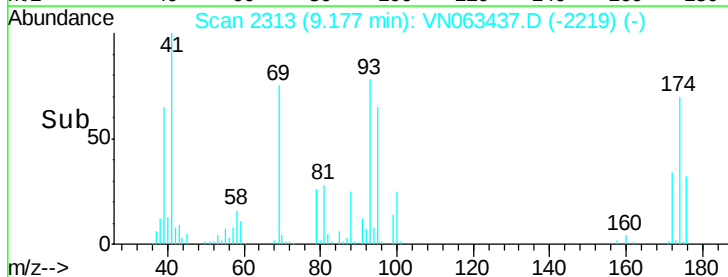
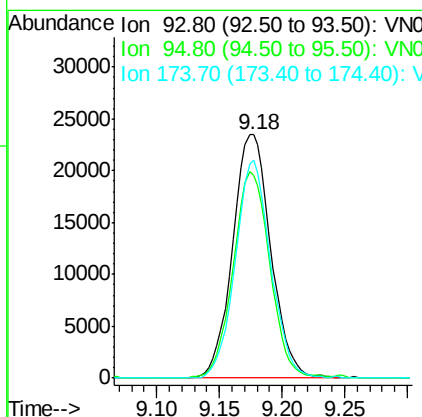
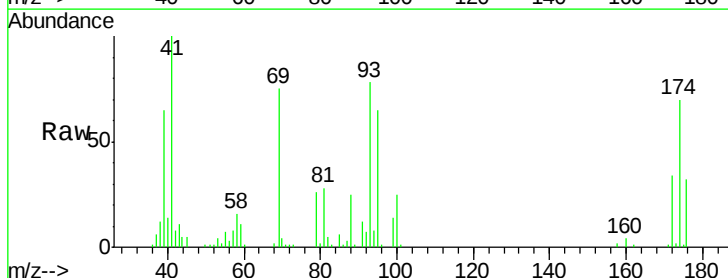
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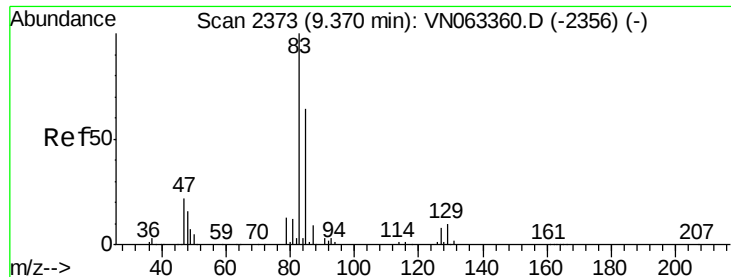
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 9/18/2020 10:03:05 AM



#46
 Dibromomethane
 Concen: 20.027 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	65.6	98.4
174	83.0	68.1	102.1





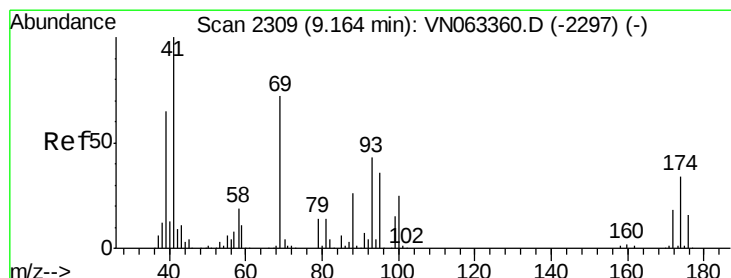
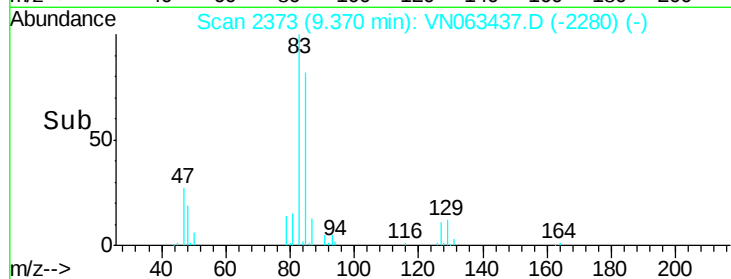
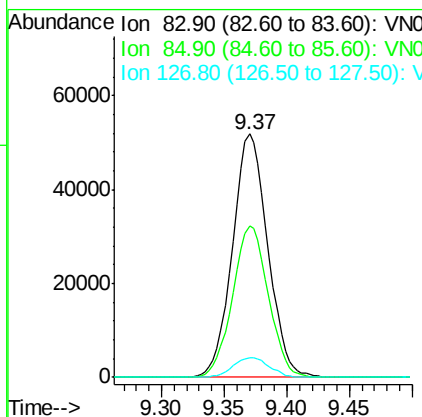
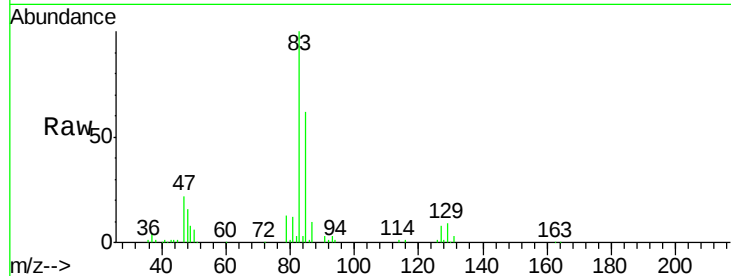
#47
Bromodichloromethane
Concen: 19.657 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	83	Resp	101237
Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.0	76.6
127	8.1	6.3	9.5

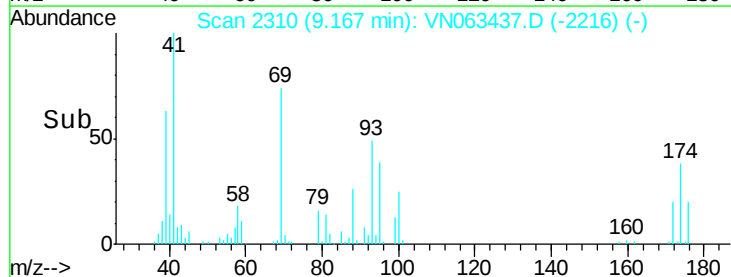
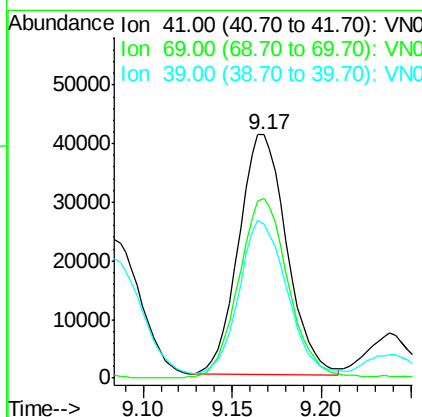
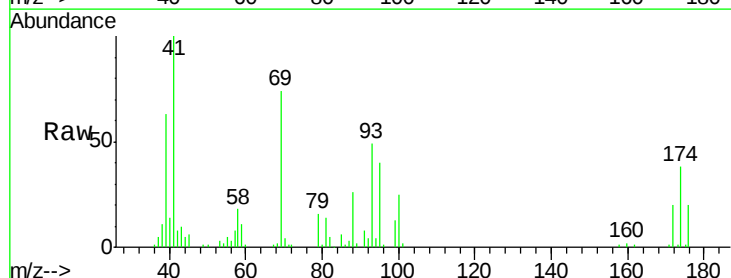
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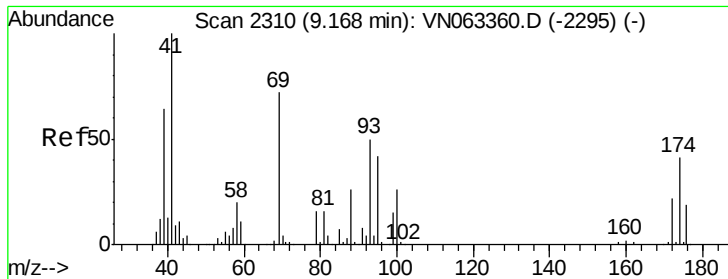
MMDadoda
9/18/2020 10:03:05 AM



#48
Methyl methacrylate
Concen: 18.432 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	41	Resp	77101
Ion	Ratio	Lower	Upper
41	100		
69	77.3	59.3	88.9
39	66.4	52.9	79.3





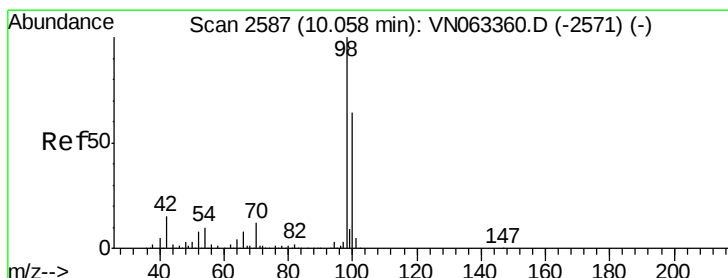
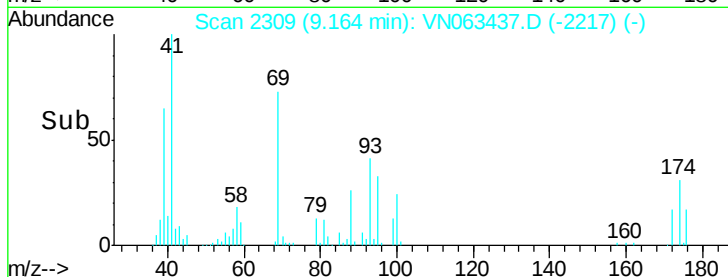
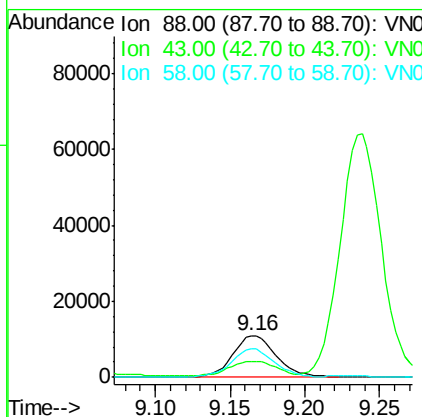
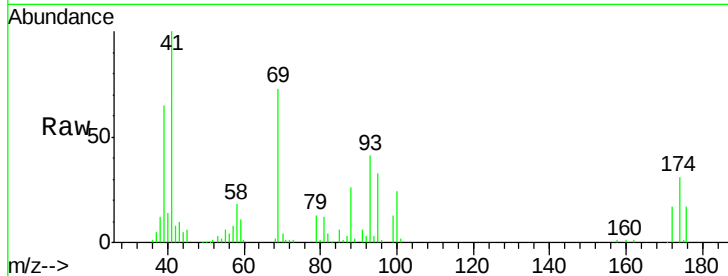
#49
1,4-Dioxane
Concen: 370.057 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.5	32.6	49.0
58	68.4	60.0	90.0

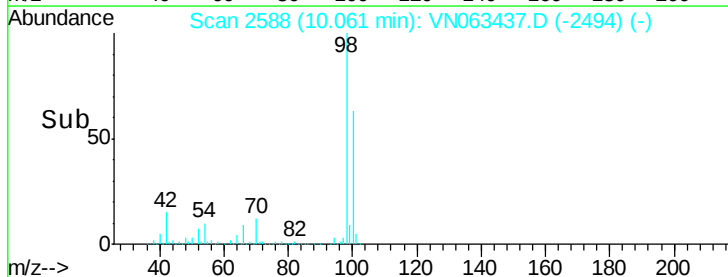
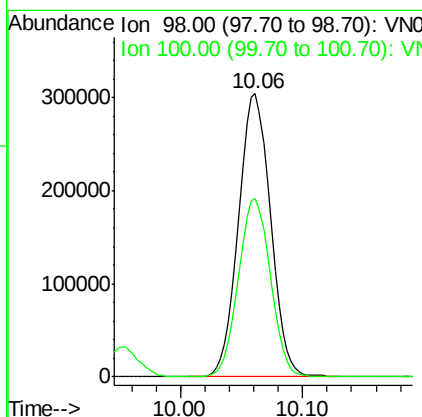
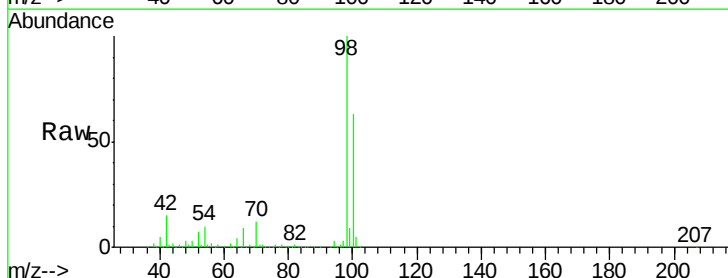
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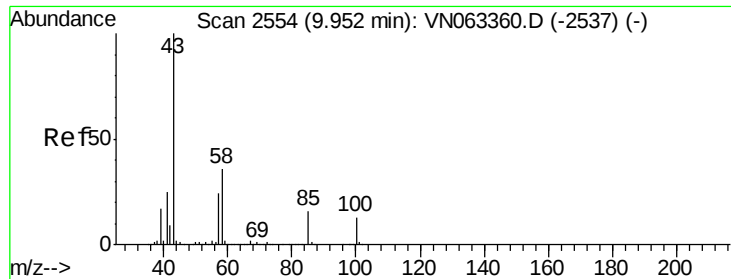
MMDadoda
9/18/2020 10:03:05 AM



#50
Toluene-d8
Concen: 46.691 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 95.767 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

Tot Ion: 43 Resp: 456467

Ion Ratio Lower Upper

43 100

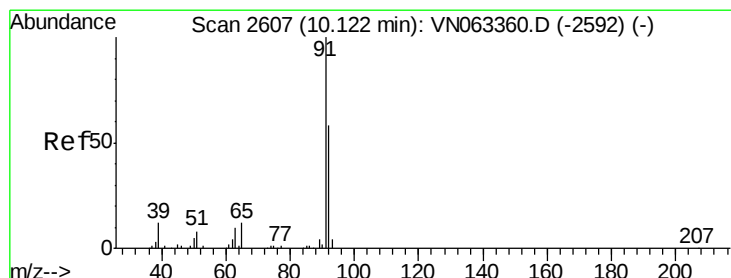
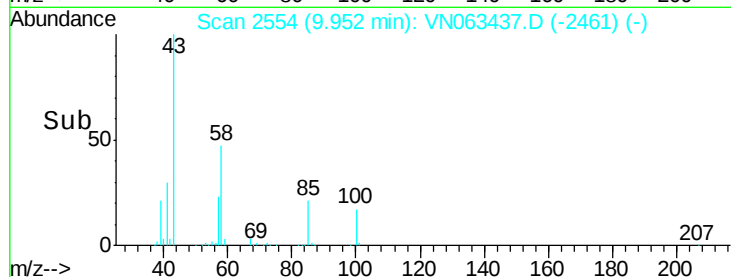
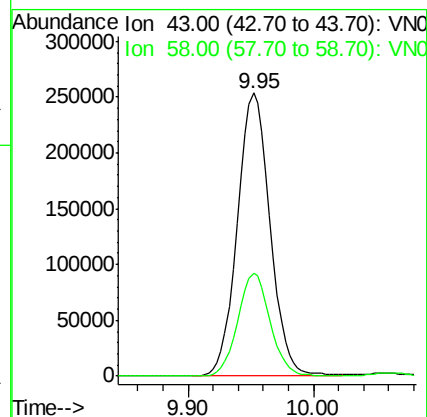
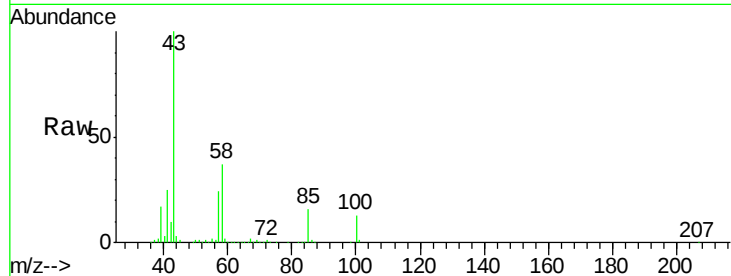
58 36.3 29.0 43.6

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#52

Toluene

Concen: 19.878 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063437.D

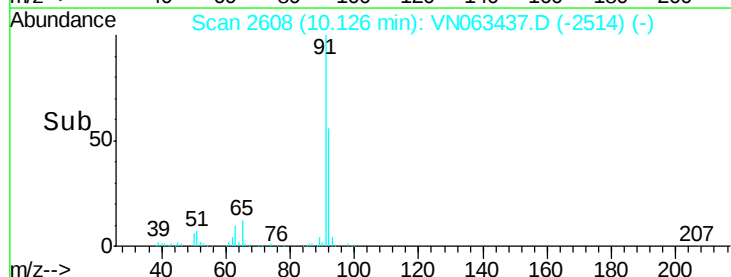
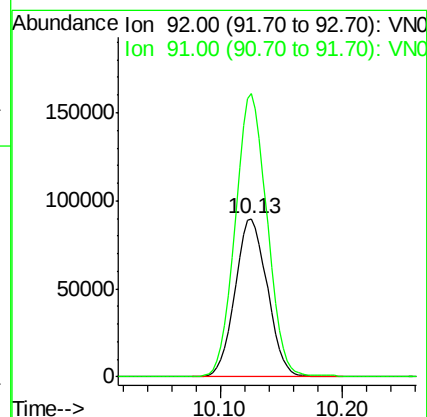
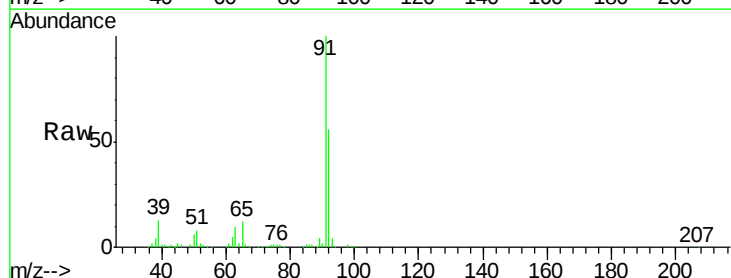
Acq: 17 Sep 2020 23:11

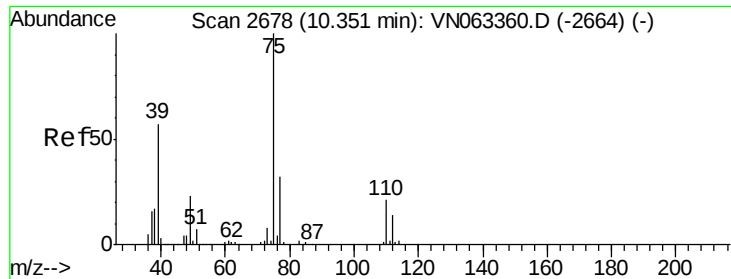
Tgt Ion: 92 Resp: 165516

Ion Ratio Lower Upper

92 100

91 176.6 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 18.046 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

Tot Ion: 75 Resp: 103757

Ion Ratio Lower Upper

75 100

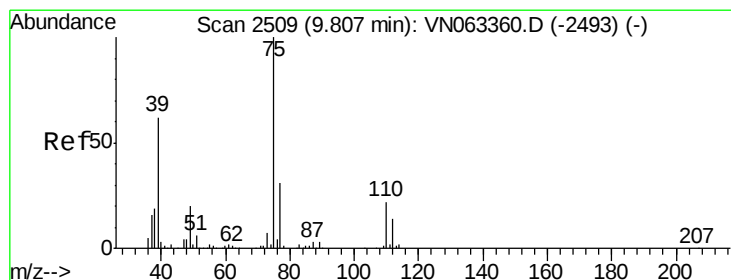
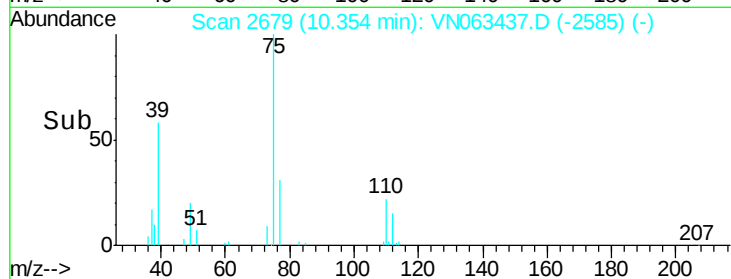
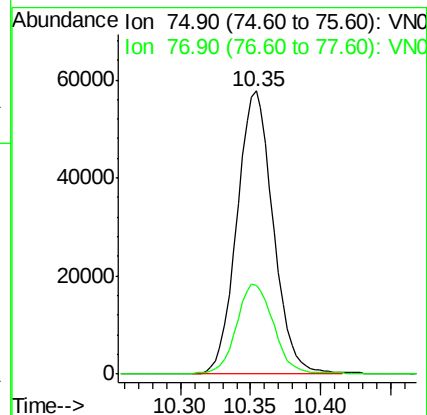
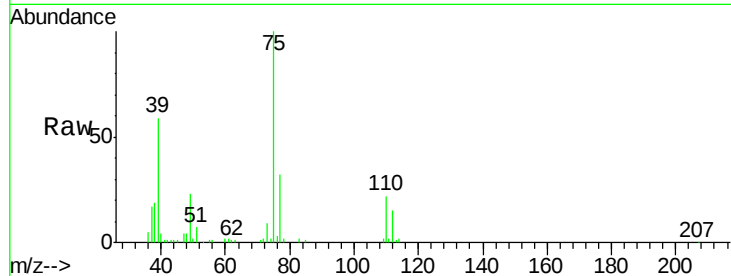
77 31.6 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 18.930 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

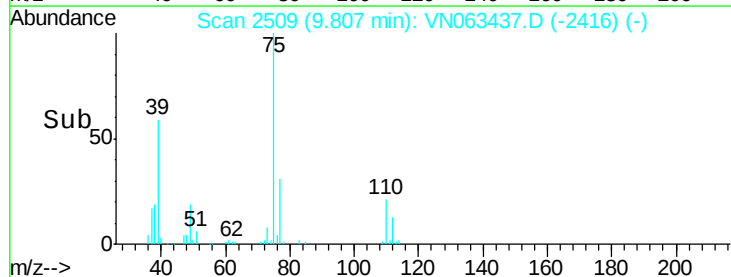
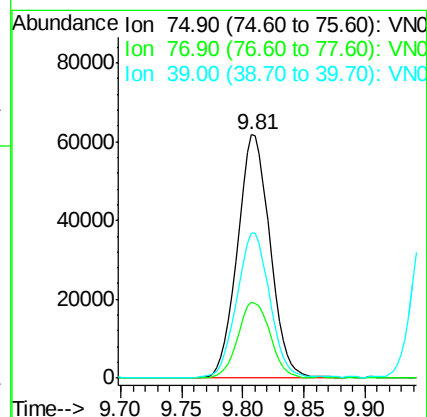
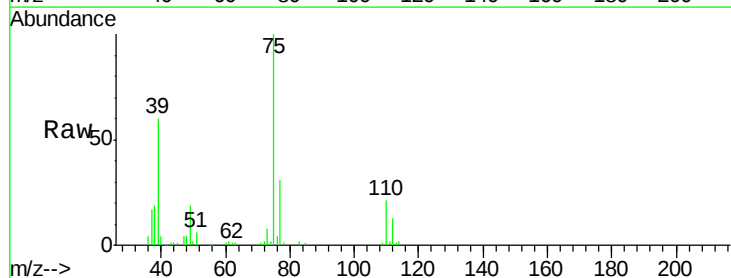
Tgt Ion: 75 Resp: 114804

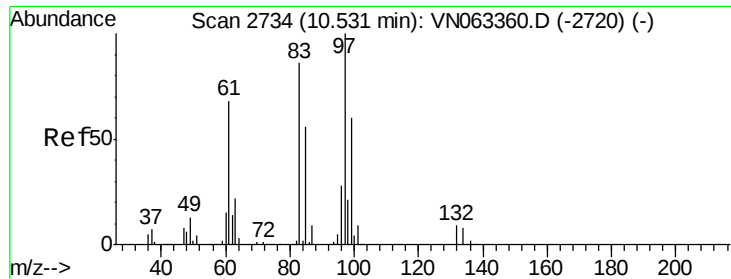
Ion Ratio Lower Upper

75 100

77 31.4 24.6 37.0

39 59.5 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 19.523 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

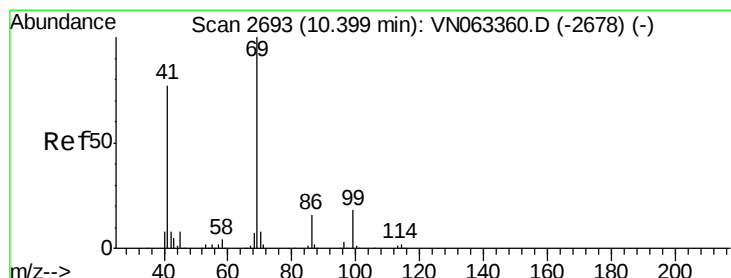
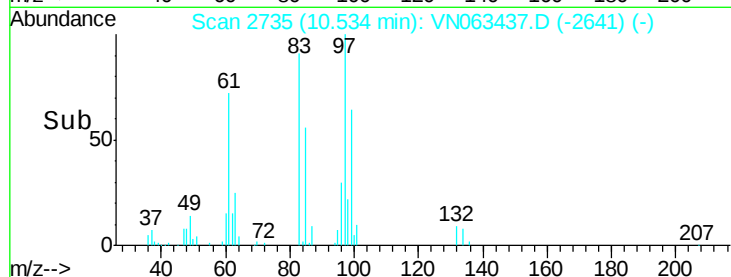
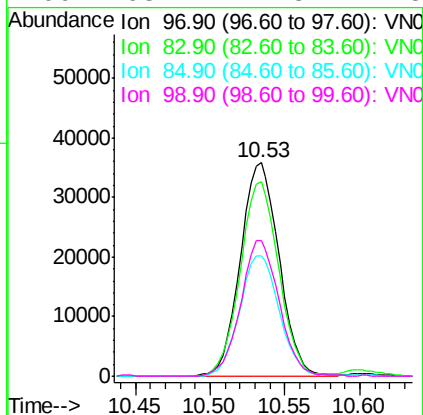
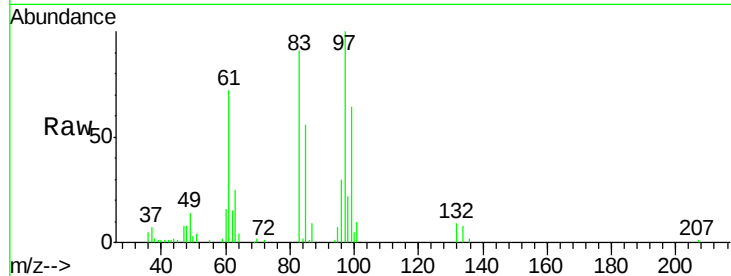
ClientSampleId :

VN0917MBSD01

Tot Ion:	97	Resp:	64568
Ion	Ratio	Lower	Upper
97	100		
83	90.9	68.9	103.3
85	56.3	44.8	67.2
99	63.7	47.8	71.8

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#56

Ethyl methacrylate

Concen: 18.961 ug/l

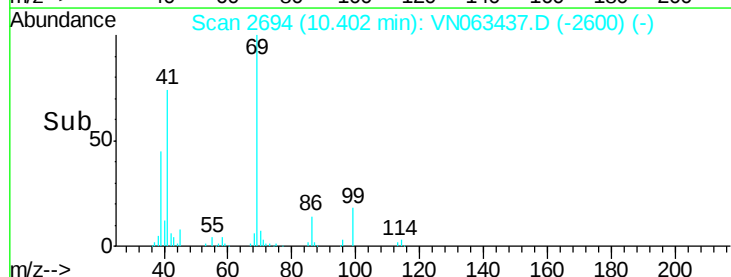
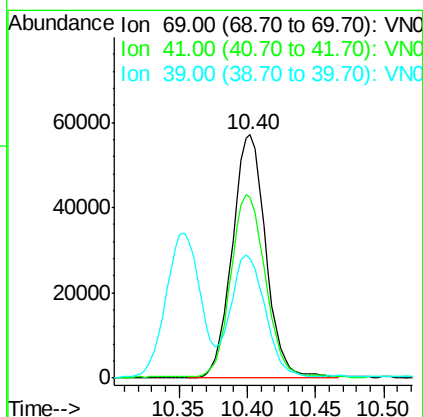
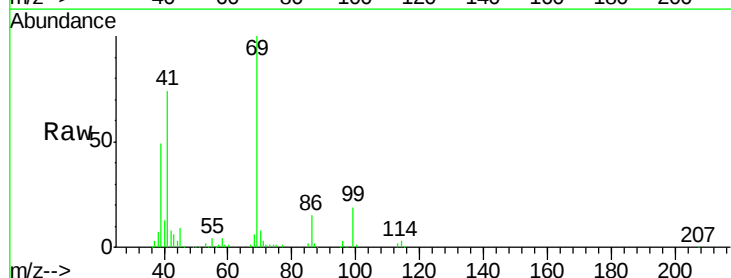
RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion:	69	Resp:	97901
Ion	Ratio	Lower	Upper
69	100		
41	77.4	61.0	91.6
39	51.5	39.2	58.8





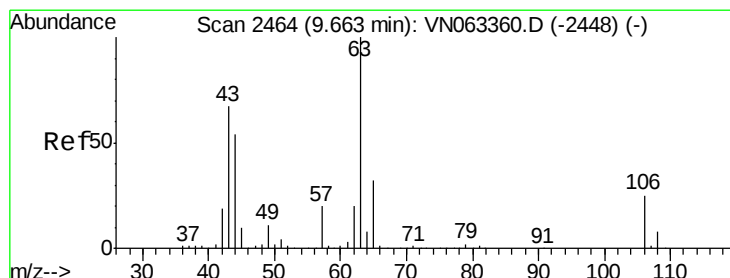
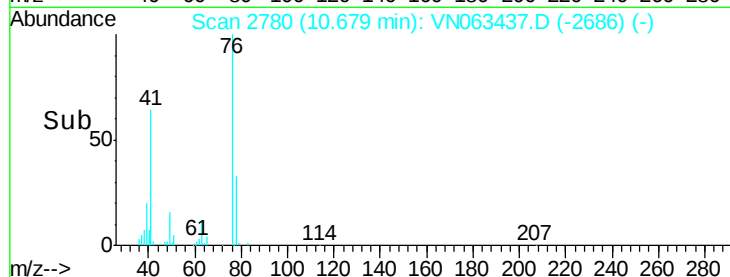
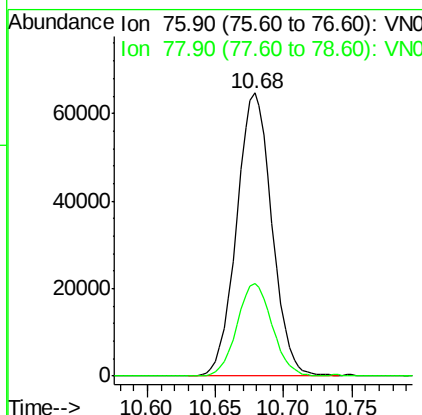
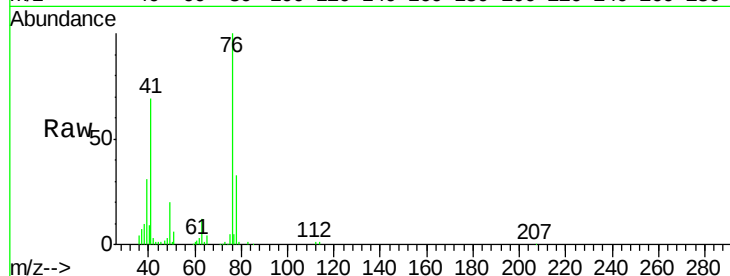
#57
 1,3-Dichloropropane
 Concen: 19.473 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.8	38.8

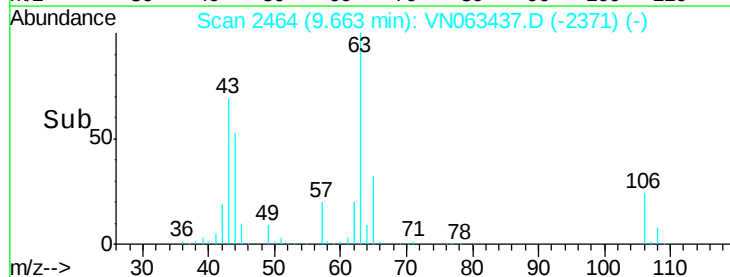
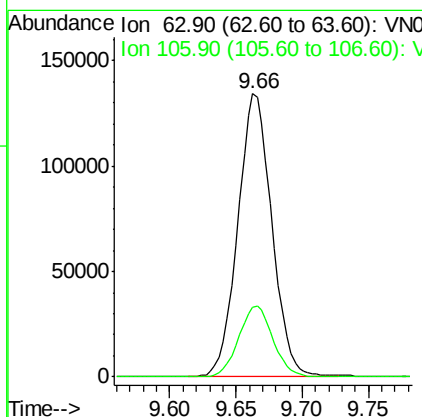
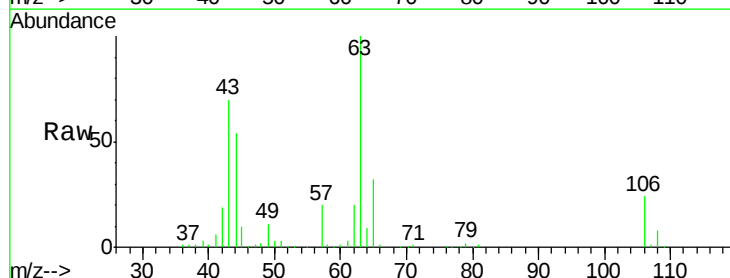
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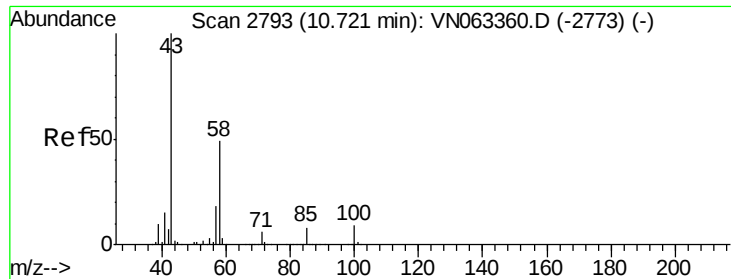
MMDadoda
 9/18/2020 10:03:05 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.525 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	19.5	29.3





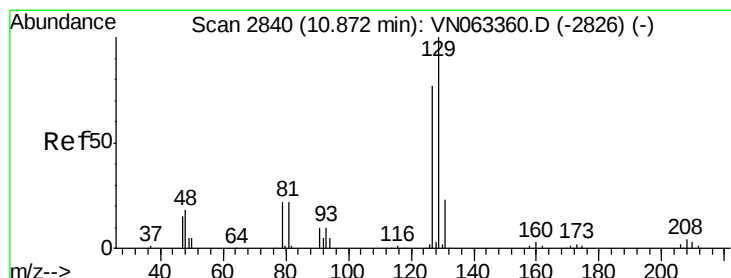
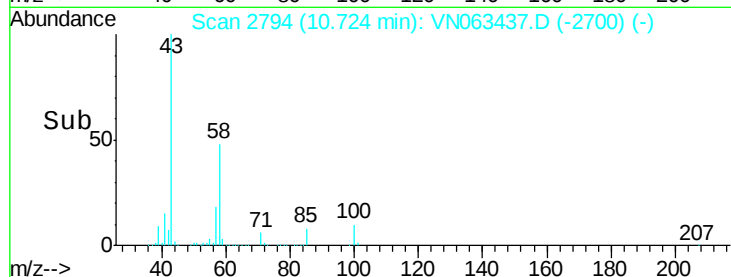
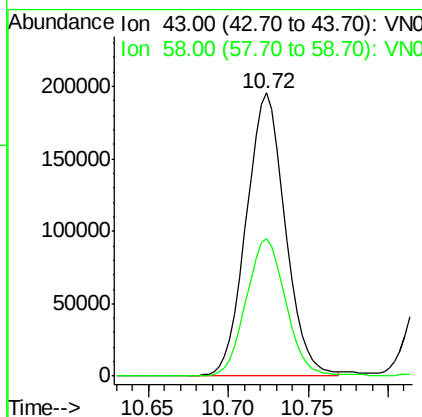
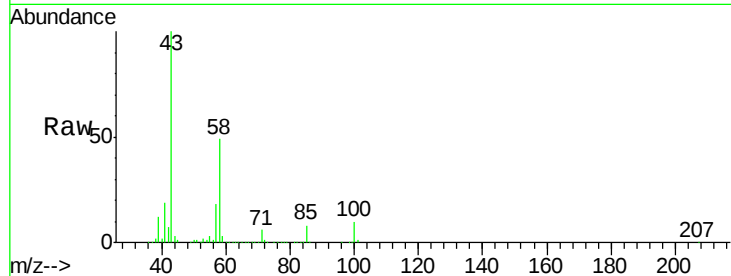
#59
2-Hexanone
Concen: 94.243 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion: 43 Resp: 325436
Ion Ratio Lower Upper
43 100
58 49.6 24.7 74.1

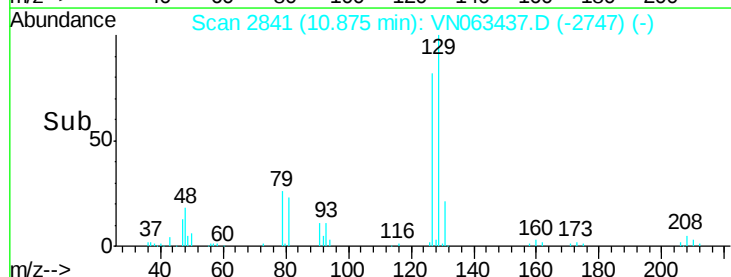
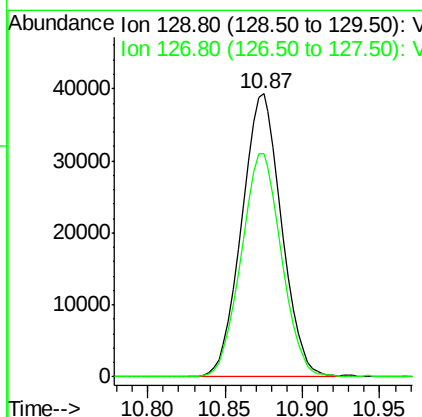
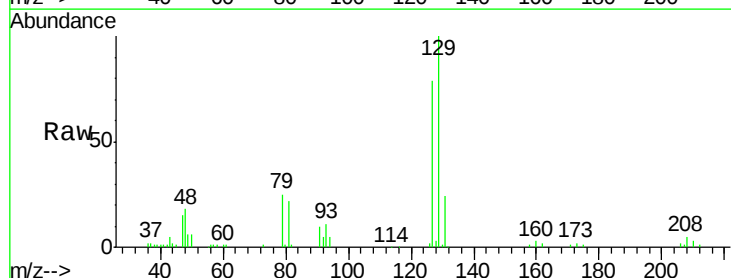
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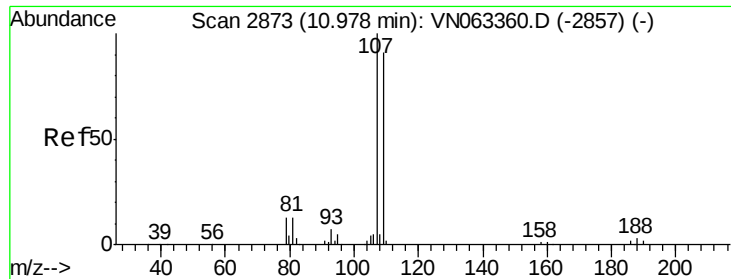
MMDadoda
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#60
Dibromochloromethane
Concen: 18.879 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion: 129 Resp: 70541
Ion Ratio Lower Upper
129 100
127 79.4 39.1 117.3





#61

1,2-Dibromoethane

Concen: 19.377 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

Tot Ion:107 Resp: 66582

Ion Ratio Lower Upper

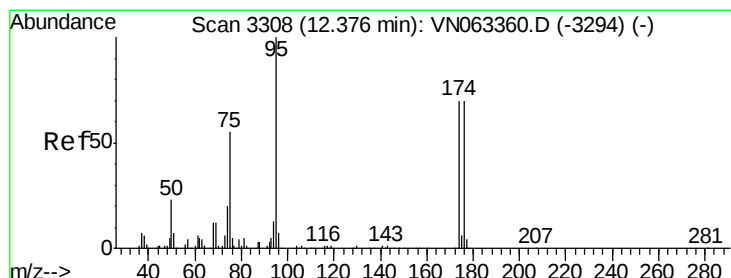
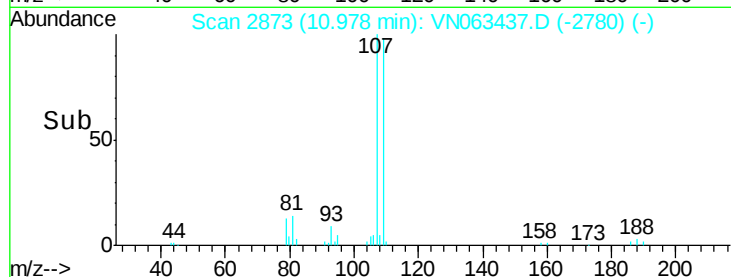
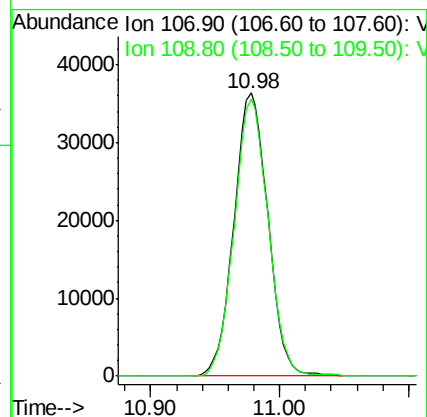
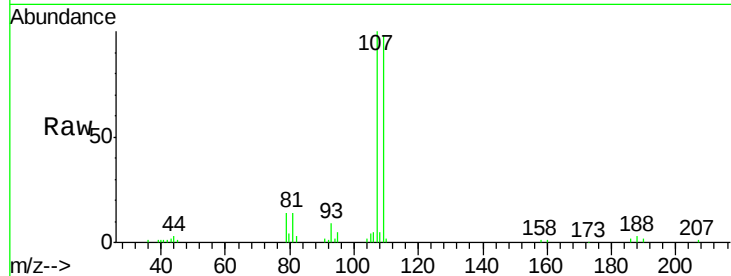
107 100

109 97.5 74.6 111.8

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#62

4-Bromofluorobenzene

Concen: 47.174 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

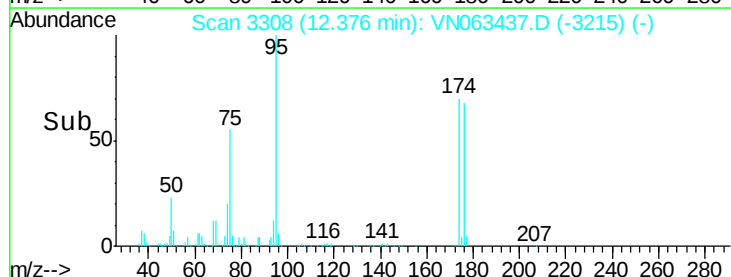
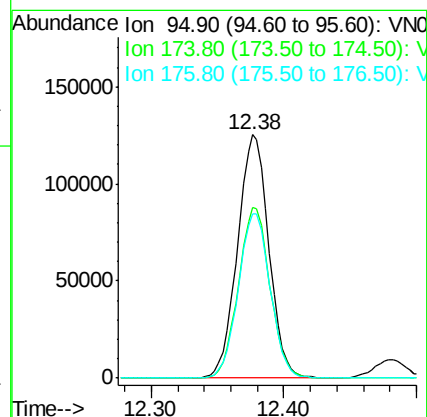
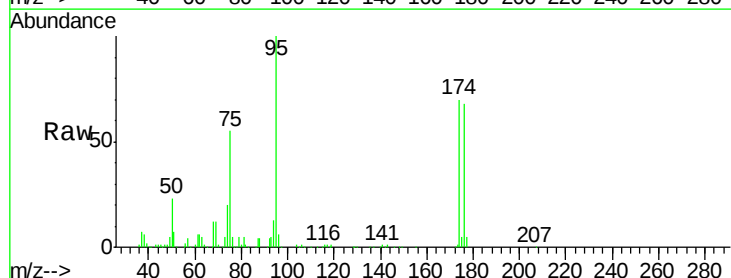
Tgt Ion: 95 Resp: 204994

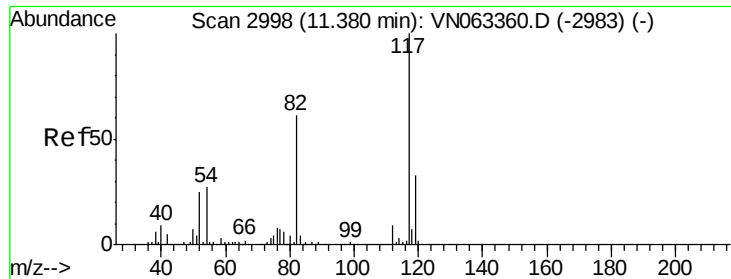
Ion Ratio Lower Upper

95 100

174 70.9 0.0 140.8

176 69.0 0.0 137.6





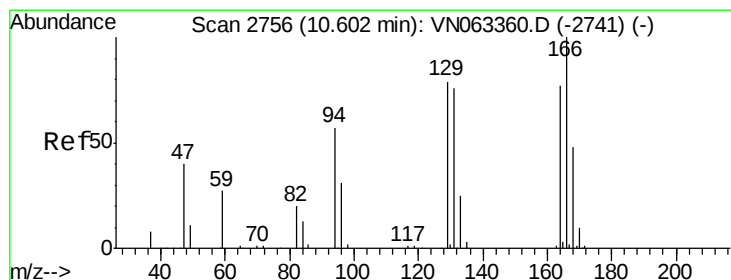
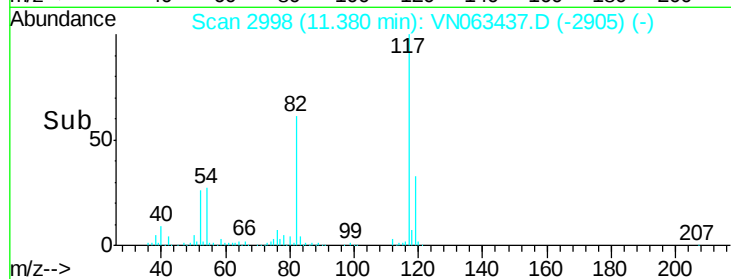
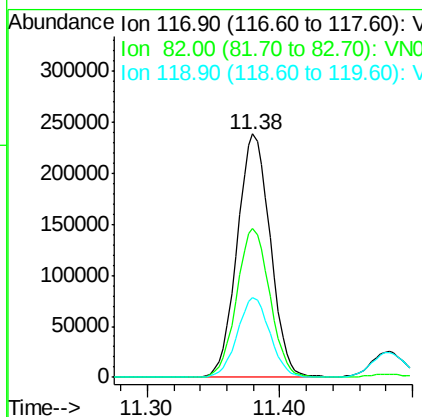
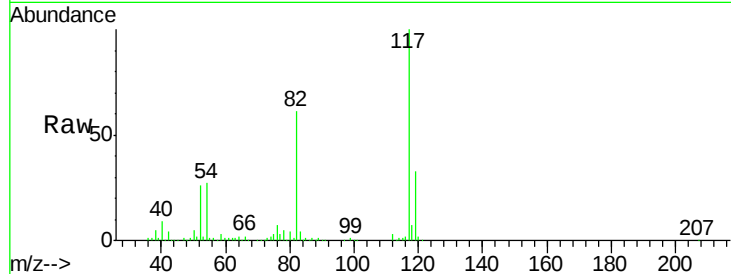
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	413678		
82	60.9	49.2	73.8	
119	33.0	26.2	39.4	

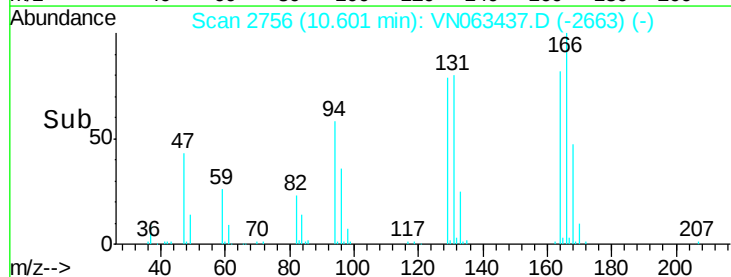
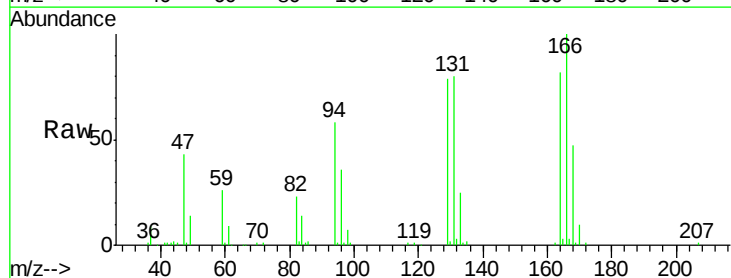
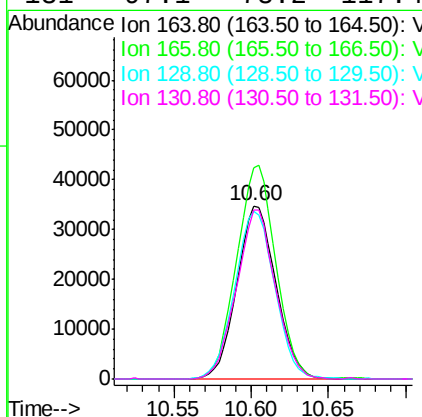
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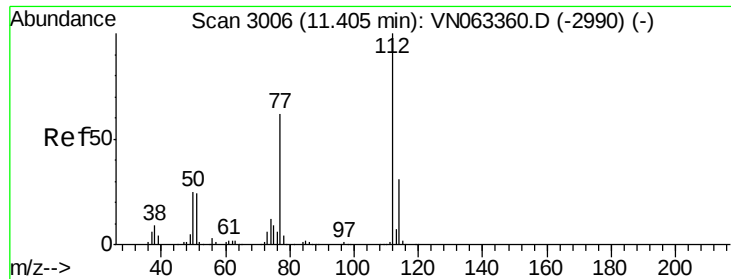
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#64
Tetrachloroethene
Concen: 21.708 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61147		
166	122.0	103.4	155.0	
129	96.6	81.8	122.6	
131	97.1	78.2	117.4	





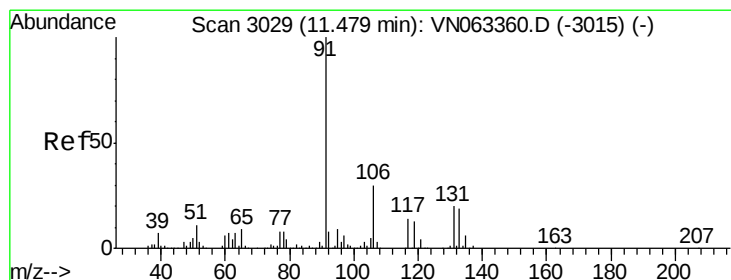
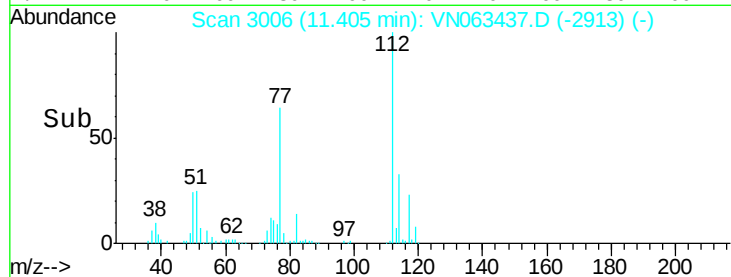
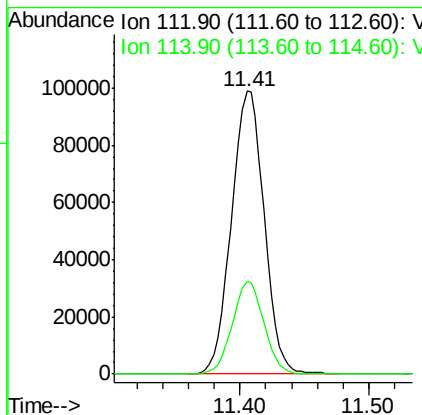
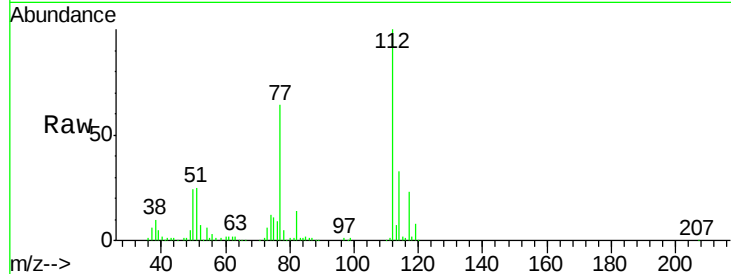
#65
Chlorobenzene
Concen: 19.865 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion:112 Resp: 174438
Ion Ratio Lower Upper
112 100
114 32.7 25.0 37.6

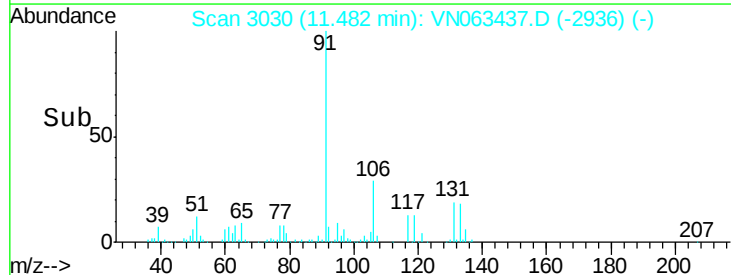
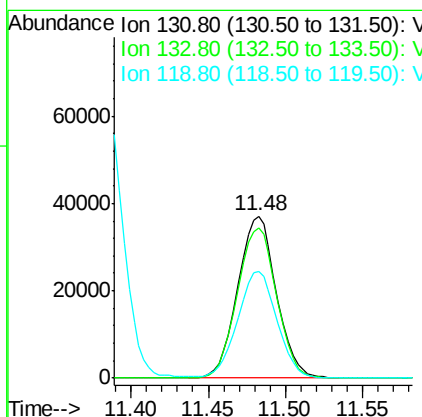
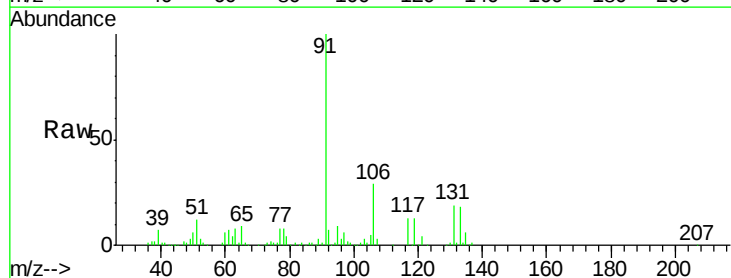
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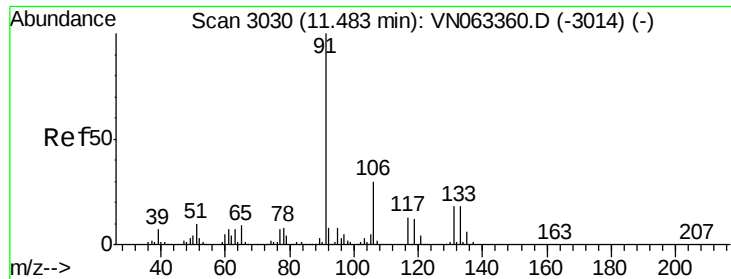
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.952 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion:131 Resp: 64223
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 67.4 33.6 100.8





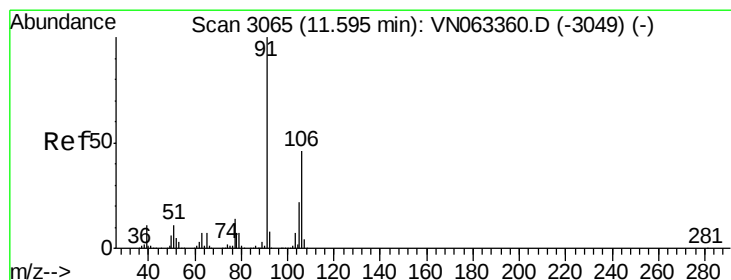
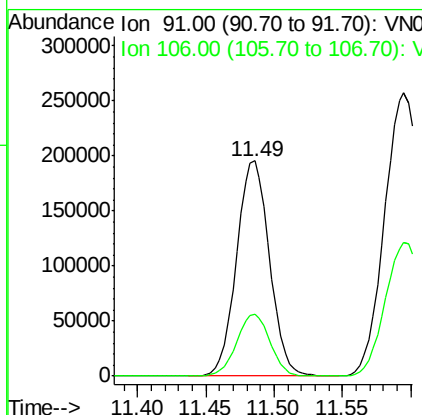
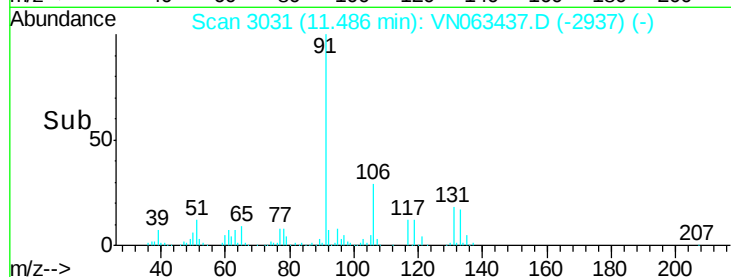
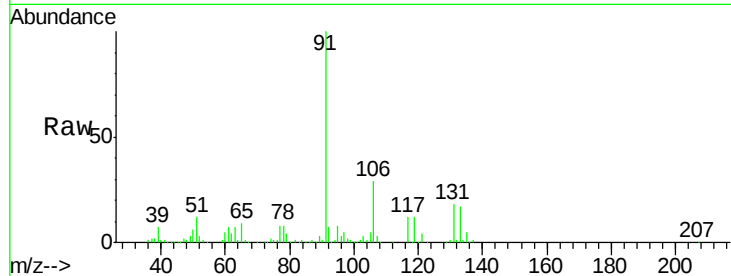
#67
Ethyl Benzene
Concen: 19.831 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion: 91 Resp: 327945
Ion Ratio Lower Upper
91 100
106 28.9 23.8 35.6

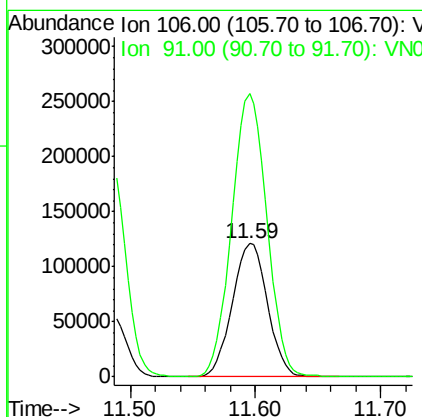
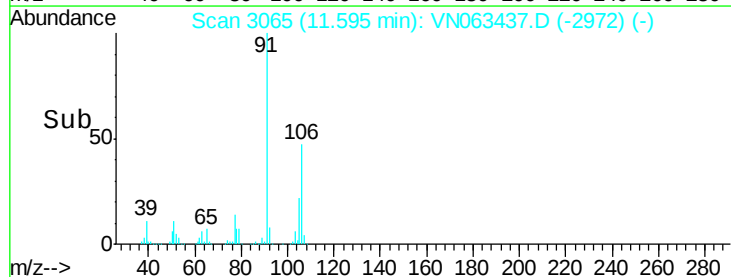
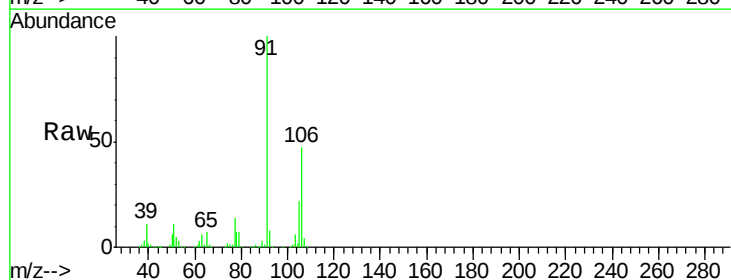
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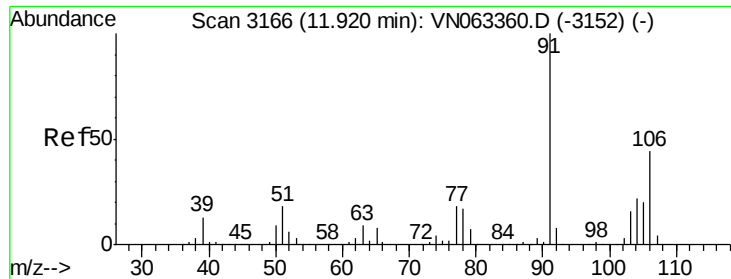
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#68
m/p-Xylenes
Concen: 39.625 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion: 106 Resp: 236259
Ion Ratio Lower Upper
106 100
91 211.6 171.2 256.8





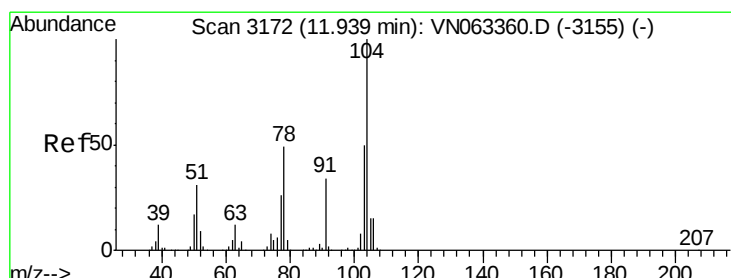
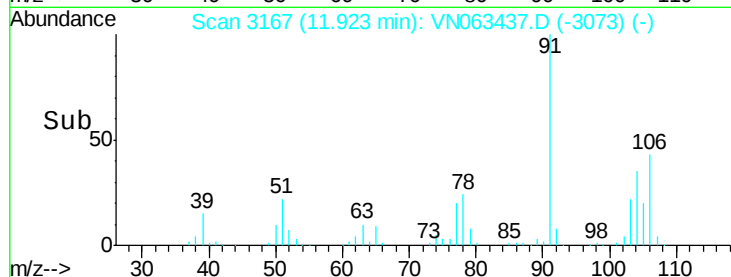
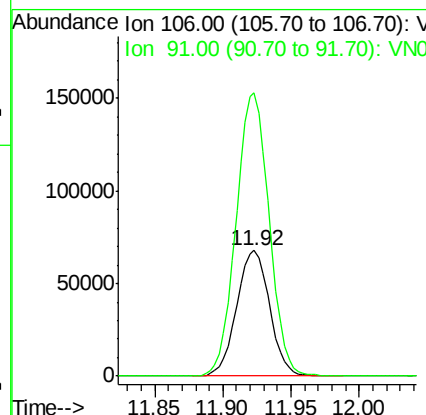
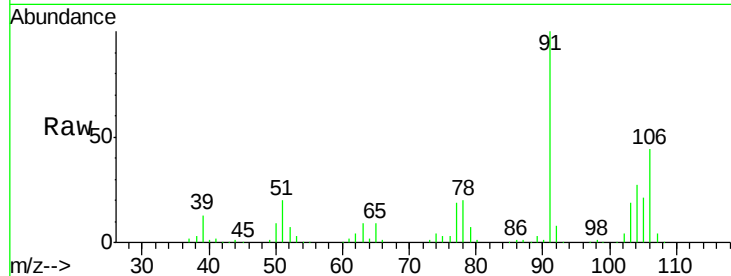
#69
o-Xylene
Concen: 20.087 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion:106 Resp: 114090
Ion Ratio Lower Upper
106 100
91 225.8 113.6 340.8

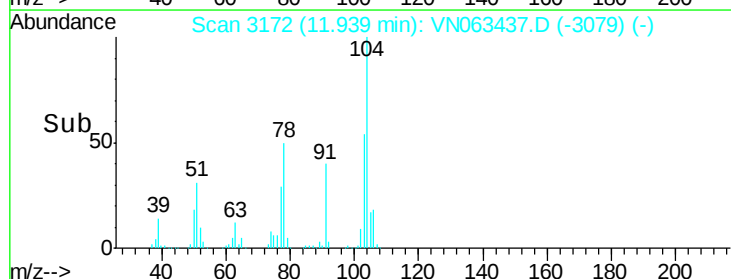
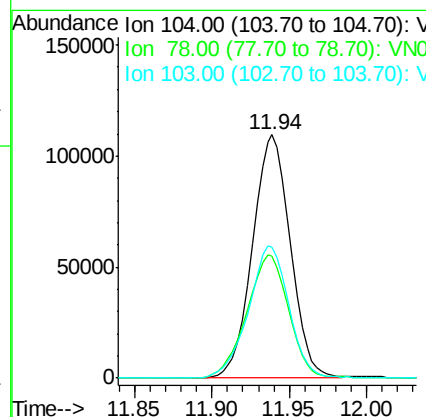
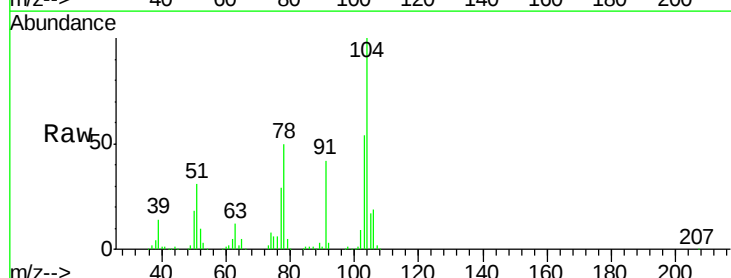
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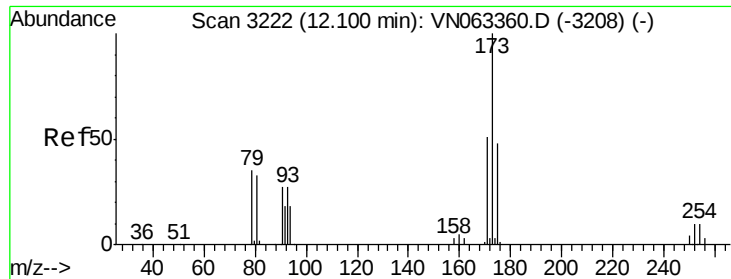
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#70
Styrene
Concen: 19.582 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion:104 Resp: 186519
Ion Ratio Lower Upper
104 100
78 56.3 44.4 66.6
103 58.1 43.7 65.5





#71

Bromoform

Concen: 19.386 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

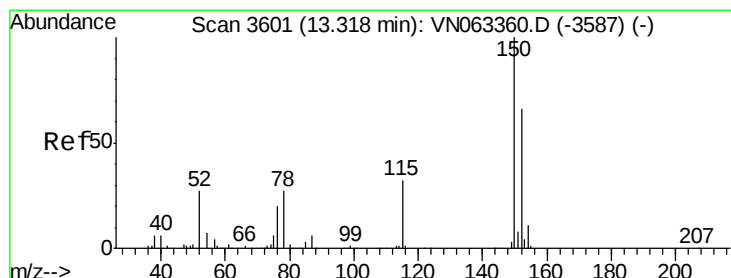
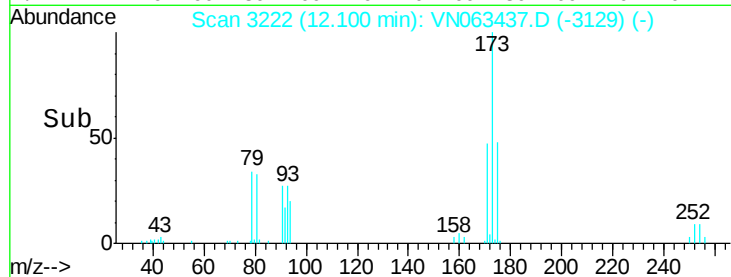
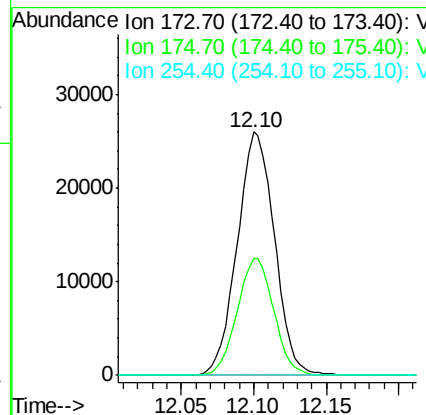
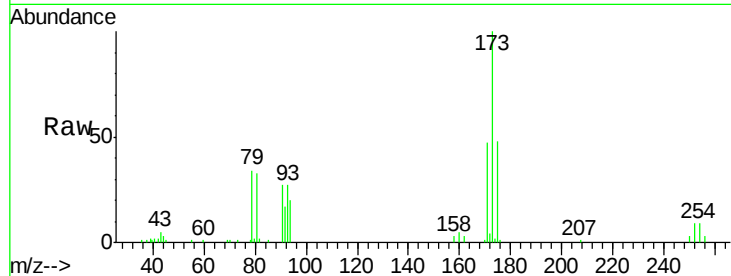
ClientSampleId :

VN0917MBSD01

Tot Ion:	173	Resp:	46487
Ion Ratio	Lower	Upper	
173	100		
175	46.8	24.0	72.0
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

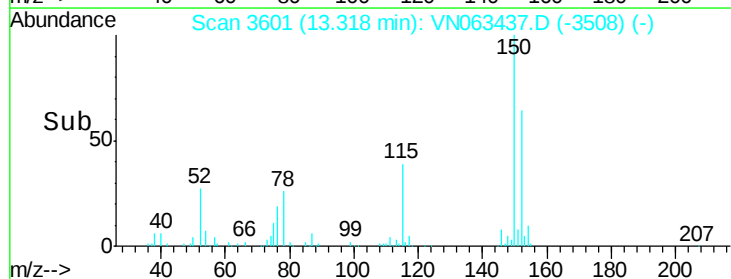
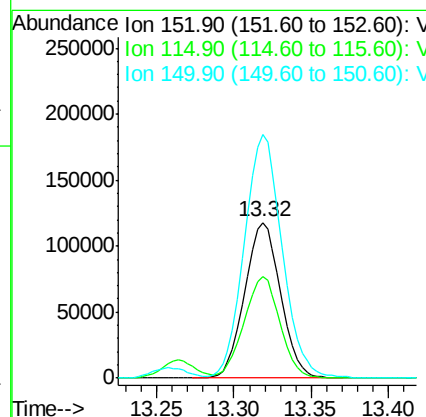
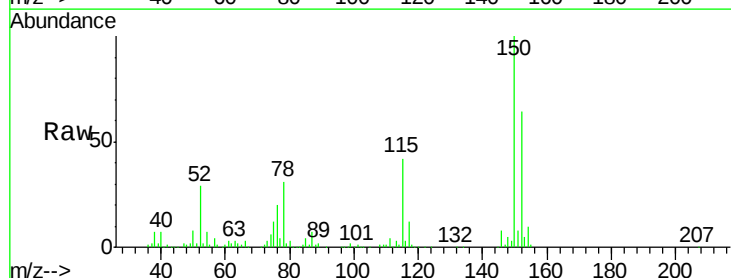
RT: 13.32 min Scan# 3601

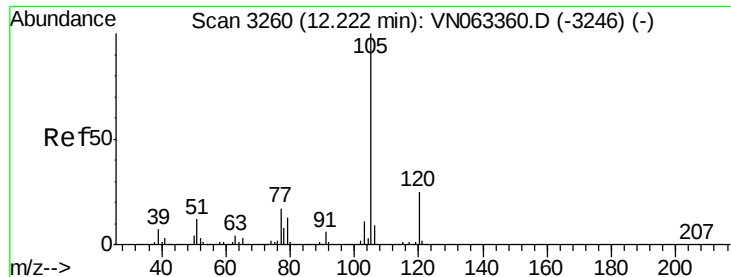
Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion:	152	Resp:	190642
Ion Ratio	Lower	Upper	
152	100		
115	65.1	32.2	96.6
150	164.8	0.0	343.4





#73

Isopropylbenzene

Concen: 20.143 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

Tot Ion:105 Resp: 307720

Ion Ratio Lower Upper

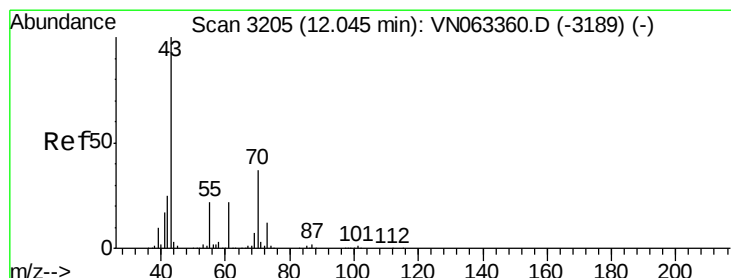
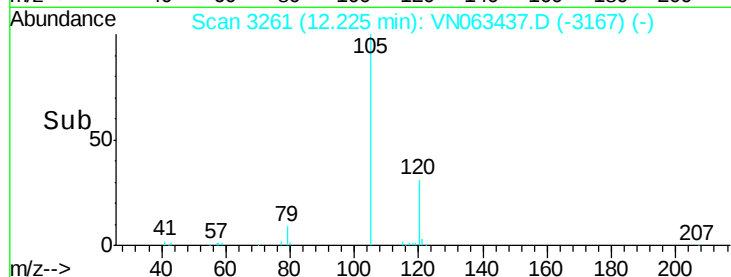
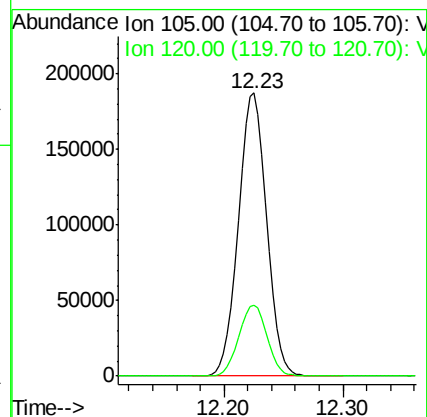
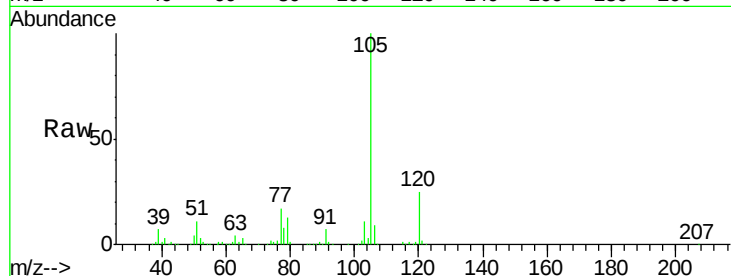
105 100

120 25.1 12.7 38.0

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#74

N-ethyl acetate

Concen: 18.909 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion: 43 Resp: 136742

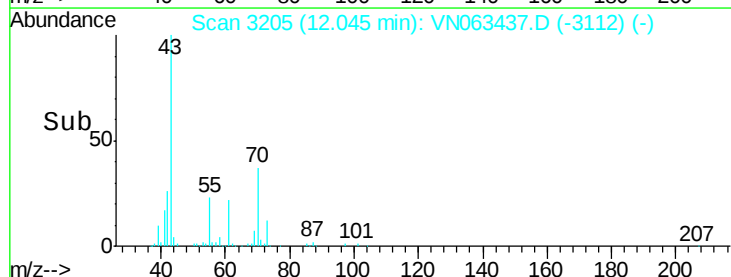
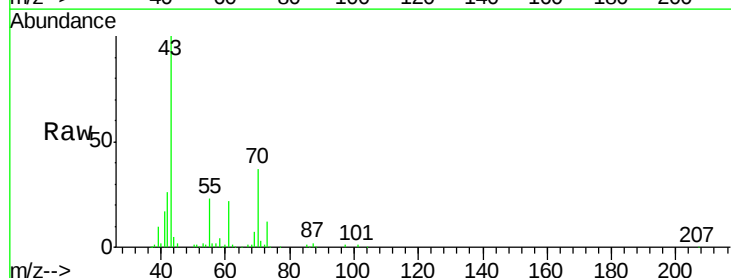
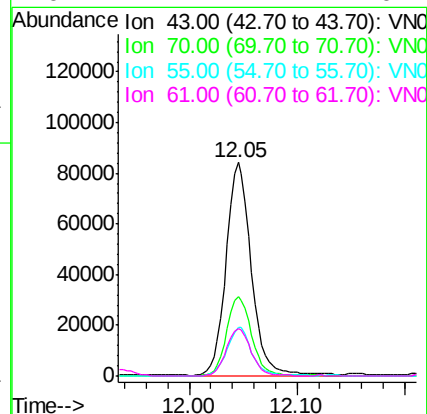
Ion Ratio Lower Upper

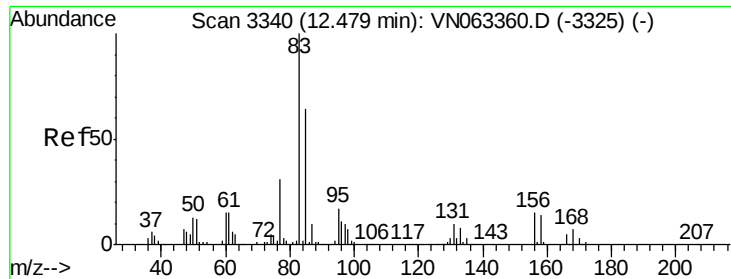
43 100

70 37.0 29.6 44.4

55 22.7 17.7 26.5

61 22.2 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.790 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

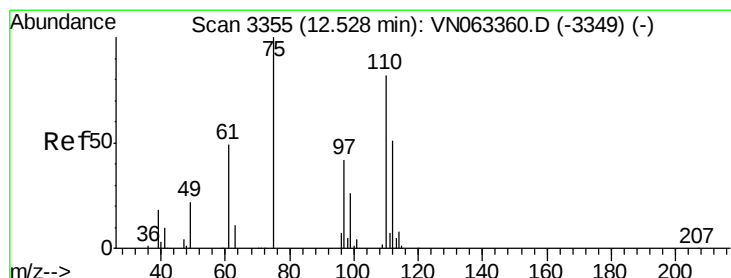
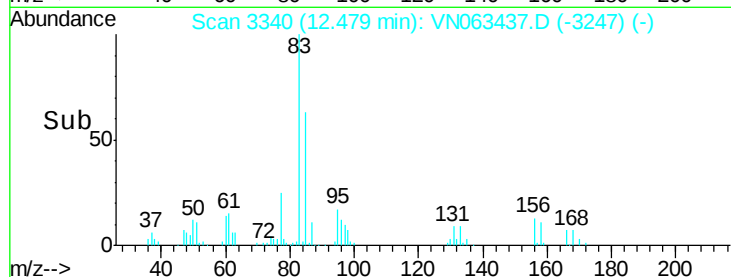
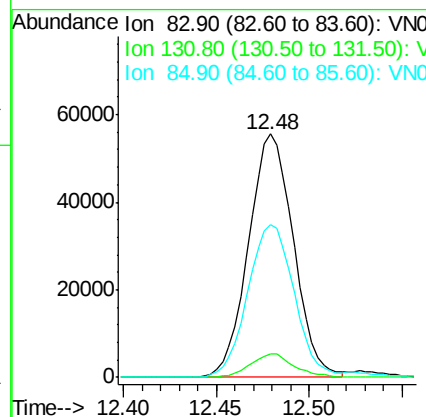
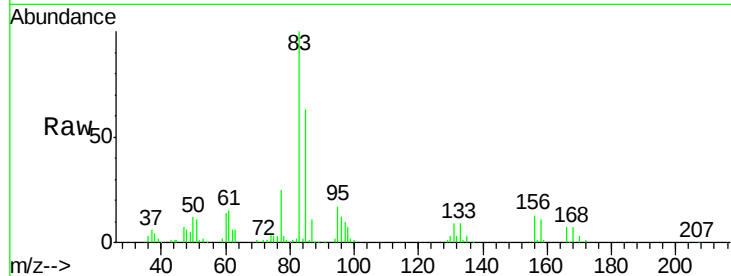
ClientSampleId :

VN0917MBSD01

Tot Ion:	83	Resp:	93612
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	64.7	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 18.945 ug/l m

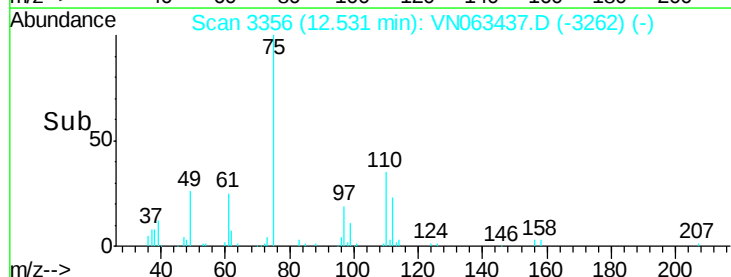
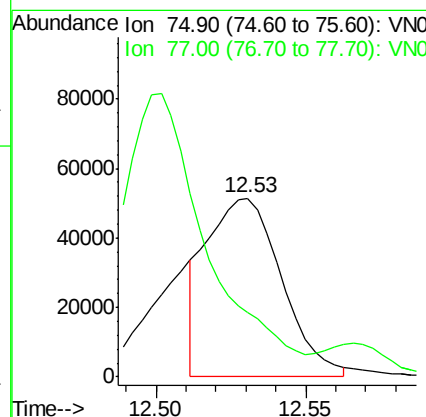
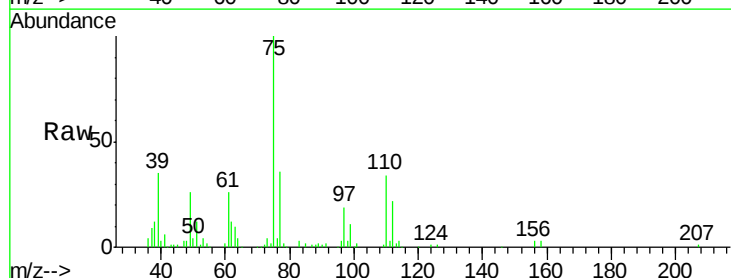
RT: 12.53 min Scan# 3356

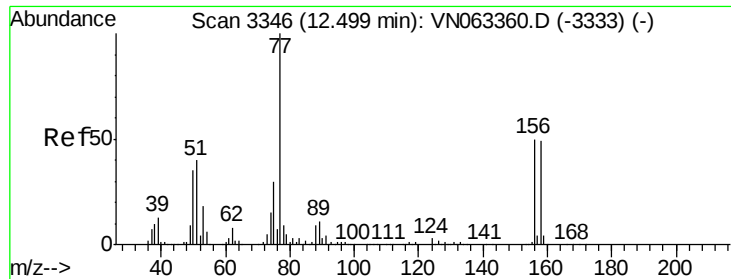
Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion:	75	Resp:	89395
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





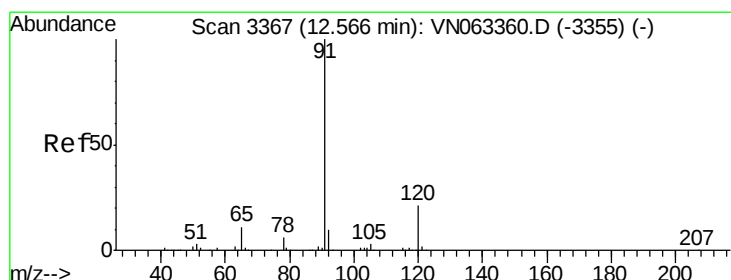
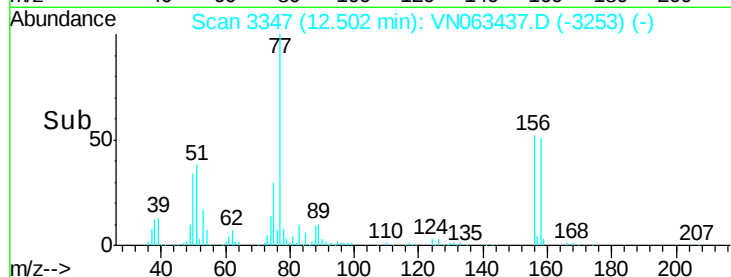
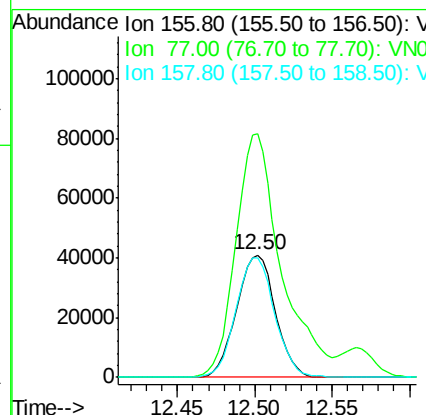
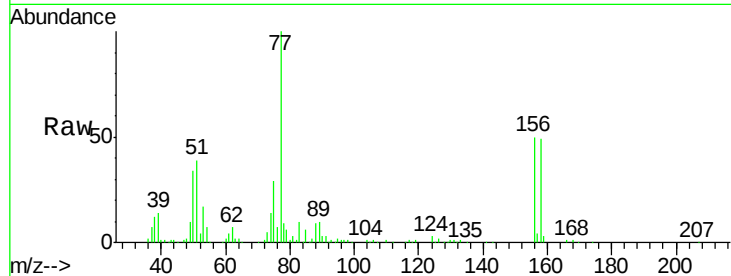
#77
Bromobenzene
Concen: 20.740 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	233.6	120.2	360.6	
158	97.2	48.9	146.6	

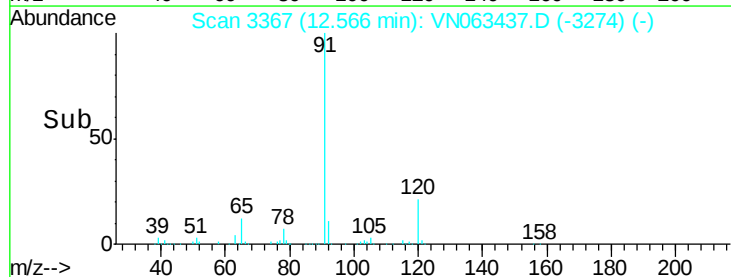
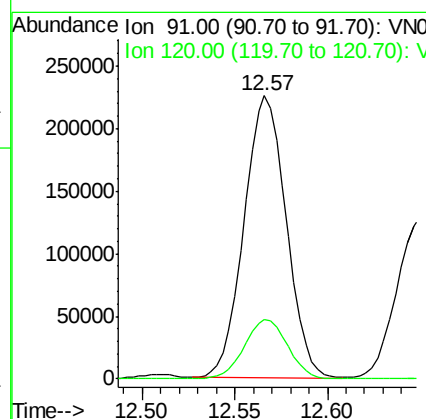
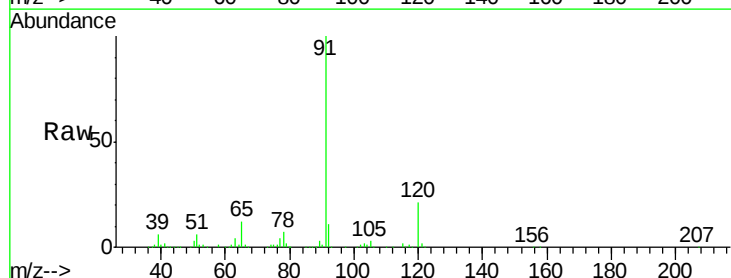
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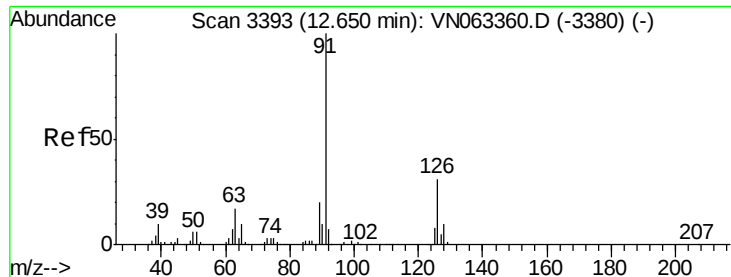
MMDadoda
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#78
n-propylbenzene
Concen: 20.021 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.6	10.8	32.3	





#79

2-Chlorotoluene

Concen: 20.122 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

ClientSampleId :

VN0917MBSD01

Tot Ion: 91 Resp: 214621

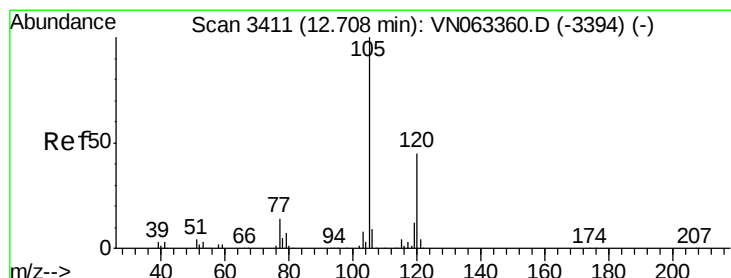
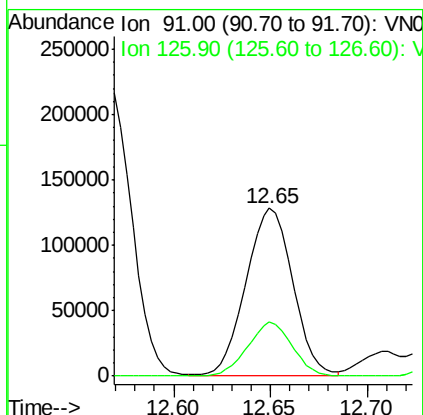
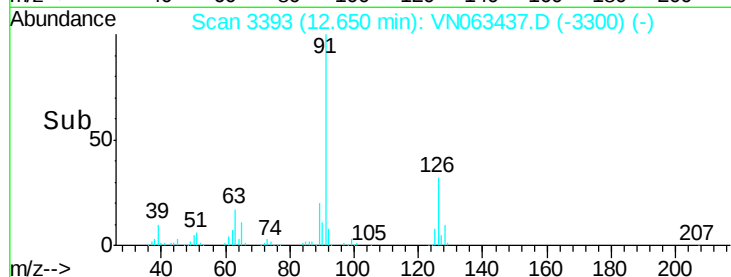
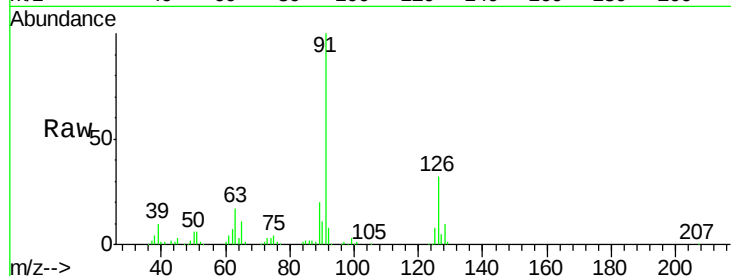
Ion Ratio Lower Upper

91 100

126 31.1 15.8 47.3

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#80

1,3,5-Trimethylbenzene

Concen: 20.335 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063437.D

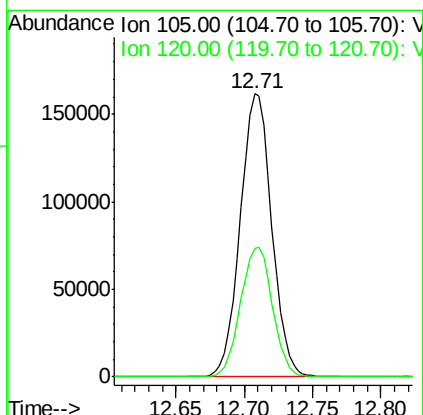
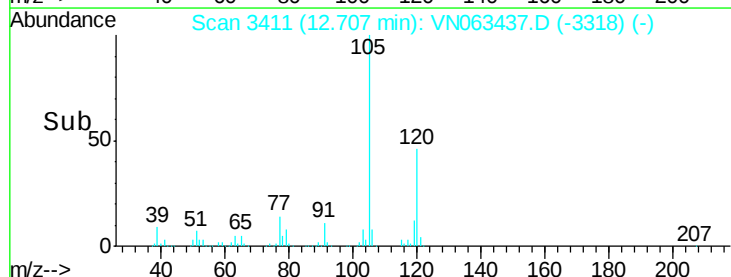
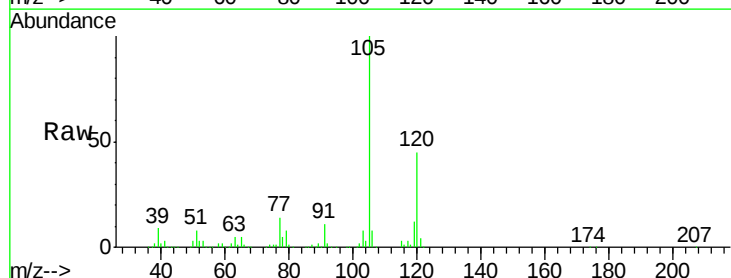
Acq: 17 Sep 2020 23:11

Tgt Ion: 105 Resp: 259044

Ion Ratio Lower Upper

105 100

120 46.5 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.685 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

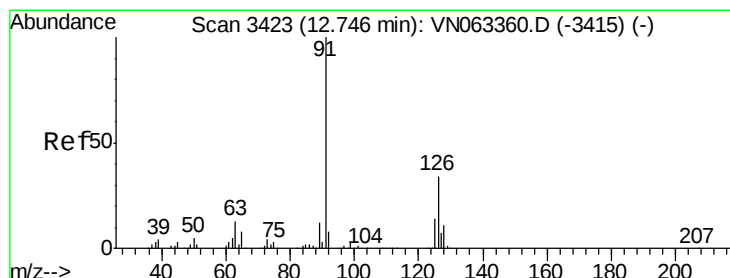
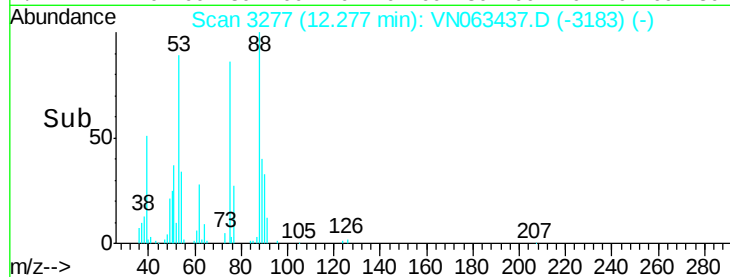
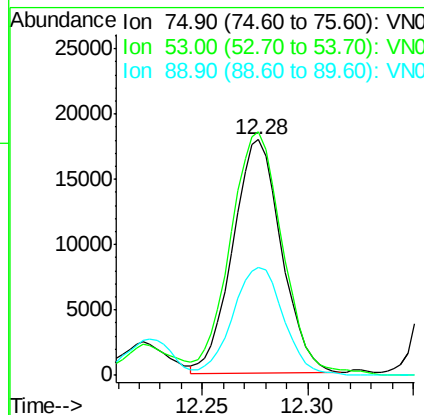
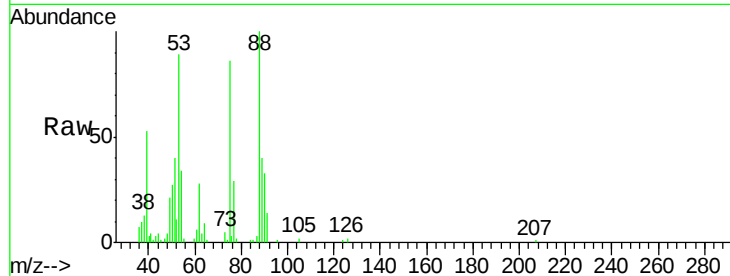
ClientSampleId :

VN0917MBSD01

Tot Ion:	75	Resp:	28717
Ion	Ratio	Lower	Upper
75	100		
53	112.3	85.7	128.5
89	48.5	38.0	57.0

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#82

4-Chlorotoluene

Concen: 19.811 ug/l

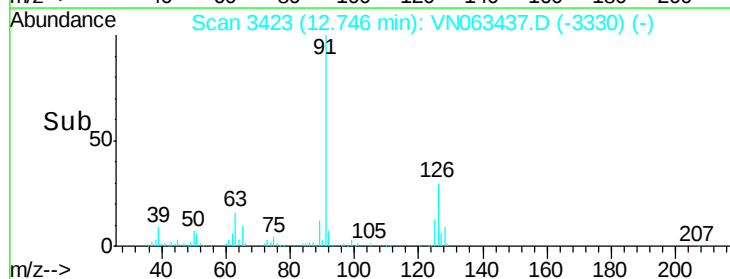
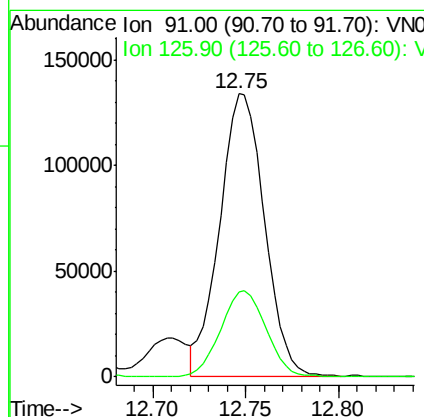
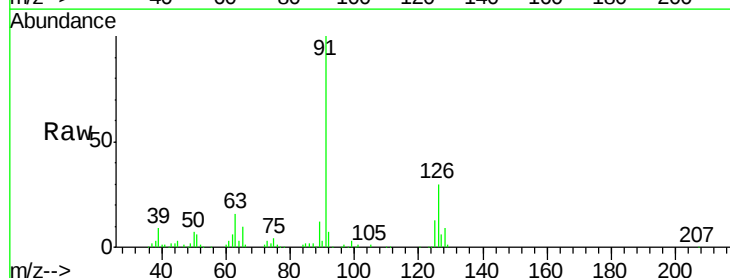
RT: 12.75 min Scan# 3423

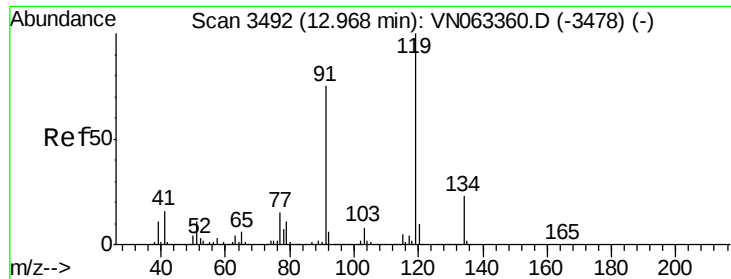
Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion:	91	Resp:	223267
Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.5	46.5





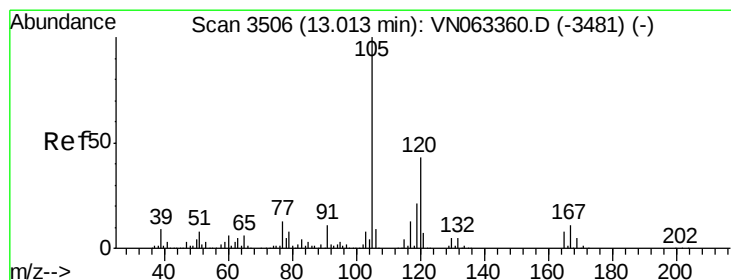
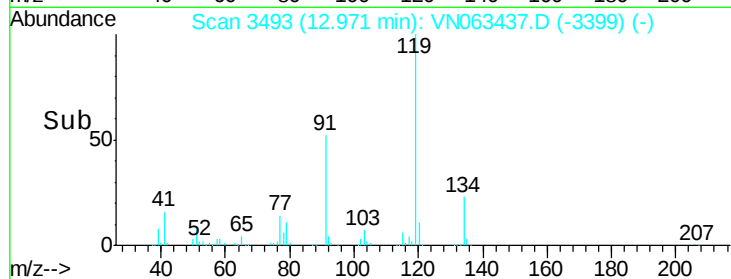
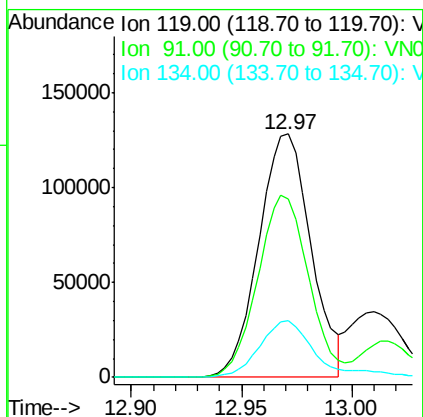
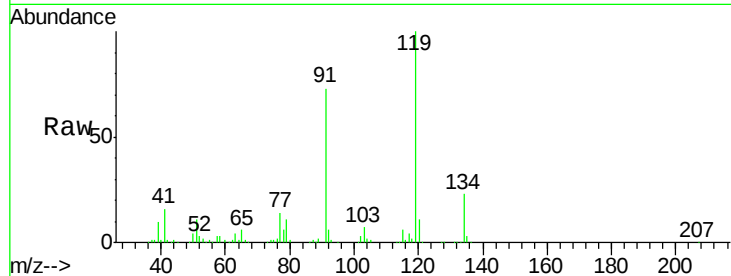
#83
tert-Butylbenzene
Concen: 19.975 ug/l
RT: 12.97 min Scan# 3493
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	210021		
91	73.3	36.3	108.9	
134	25.0	12.3	36.8	

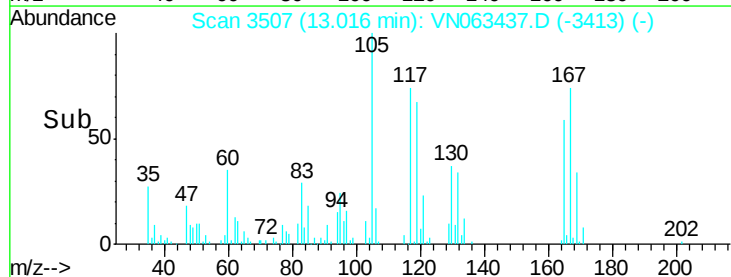
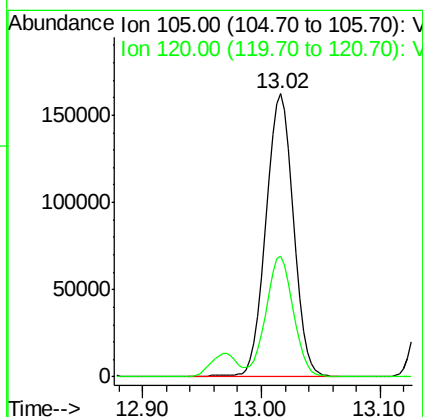
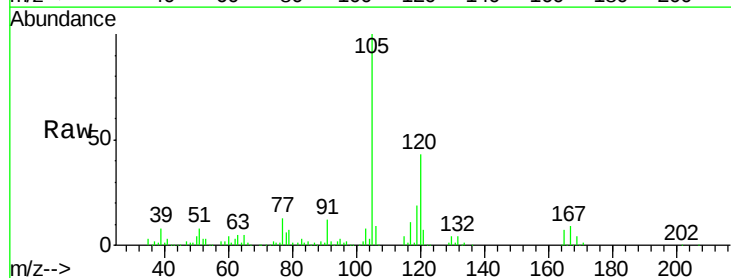
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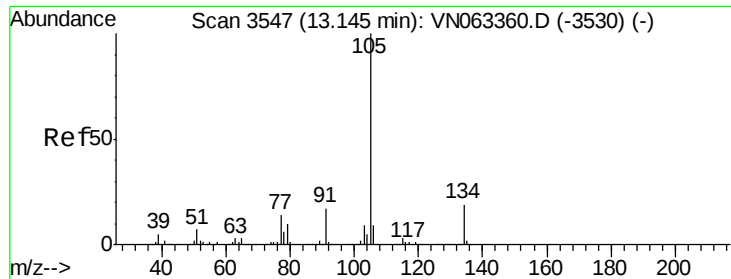
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#84
1,2,4-Trimethylbenzene
Concen: 20.298 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	261184		
120	42.3	21.3	63.9	





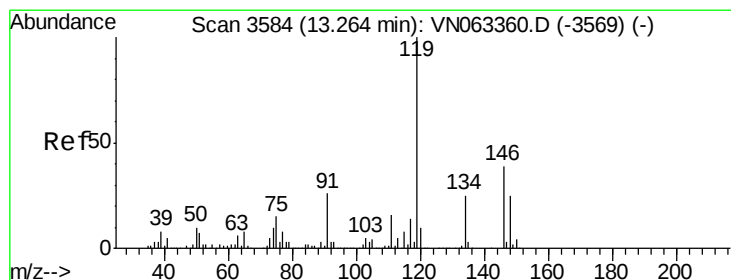
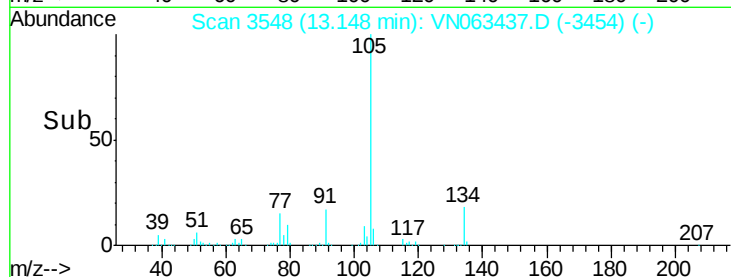
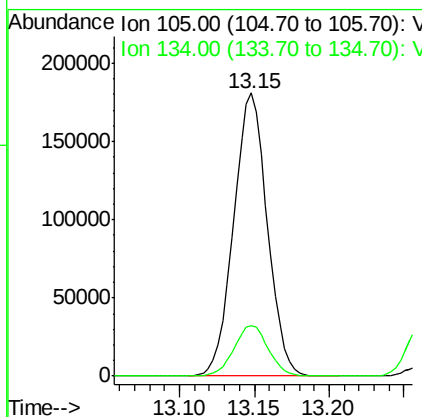
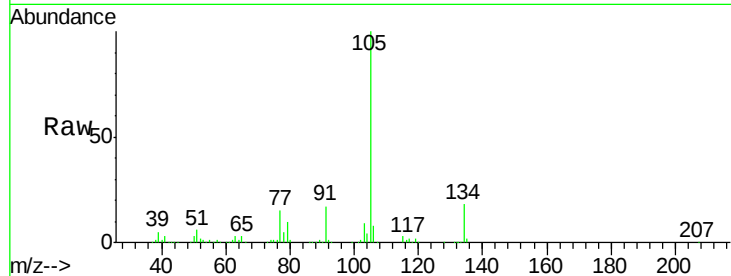
#85
 sec-Butylbenzene
 Concen: 20.036 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	281978		
134	18.3	9.3	27.7	

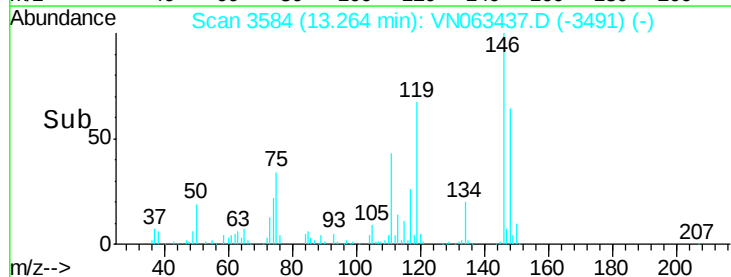
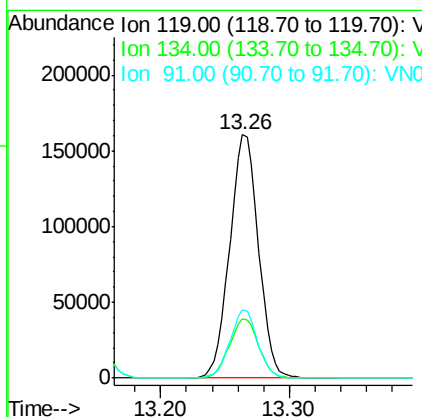
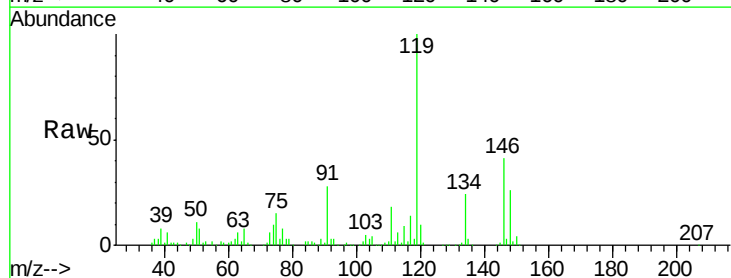
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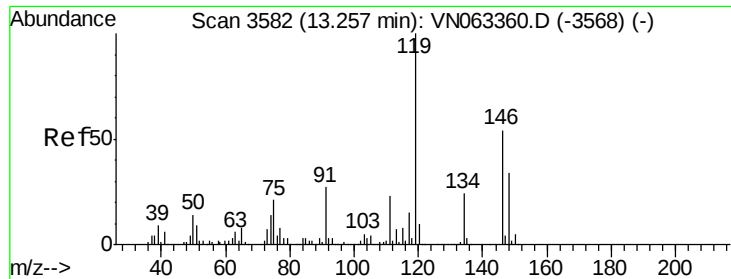
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#86
 p-Isopropyltoluene
 Concen: 19.940 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	247525		
134	24.9	12.5	37.5	
91	27.1	13.4	40.1	





#87

1,3-Dichlorobenzene

Concen: 19.867 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Instrument :

MSVOA_N

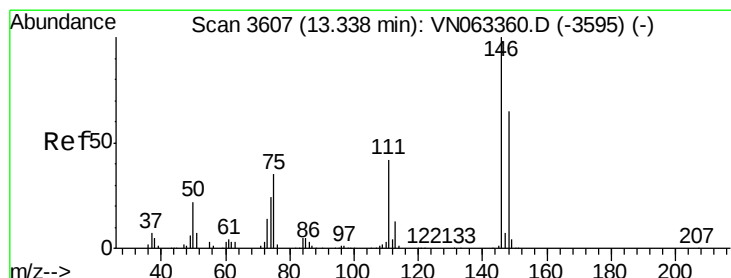
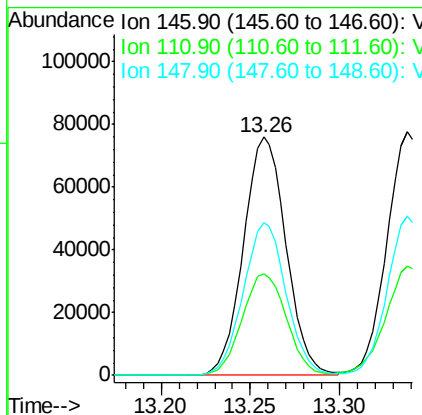
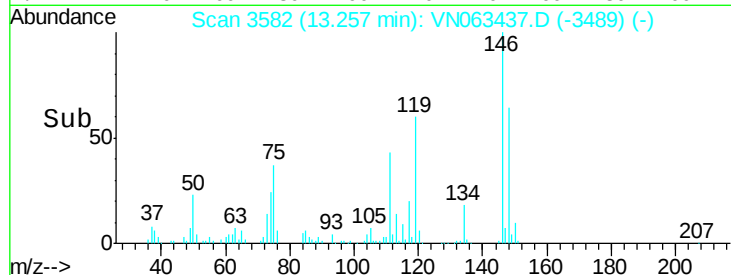
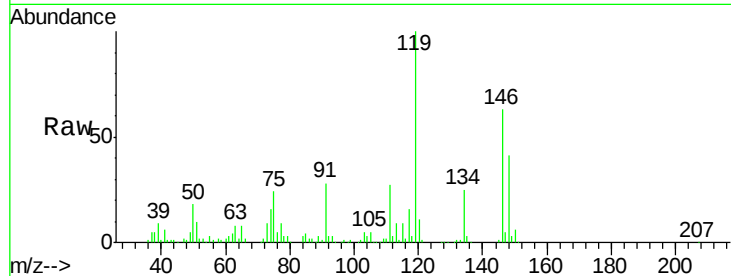
ClientSampleId :

VN0917MBSD01

Tot Ion:	146	Resp:	126538
Ion Ratio	Lower	Upper	
146	100		
111	44.2	21.4	64.3
148	64.6	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 20.224 ug/l

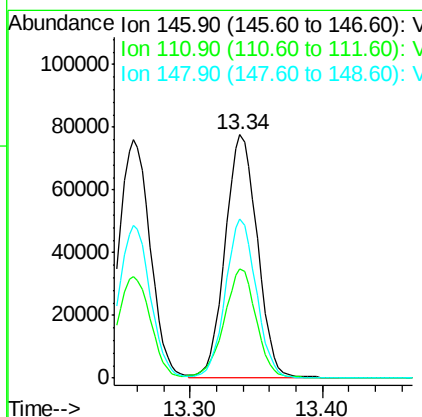
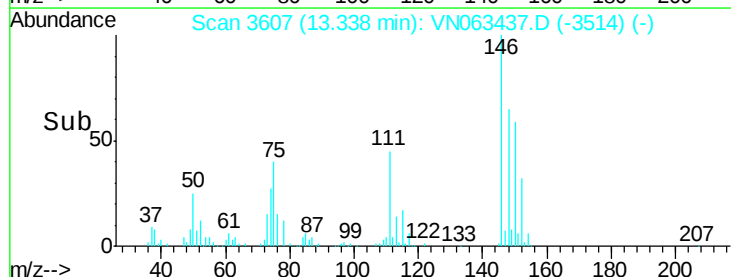
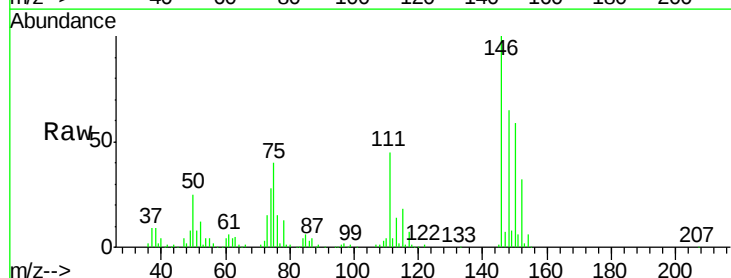
RT: 13.34 min Scan# 3607

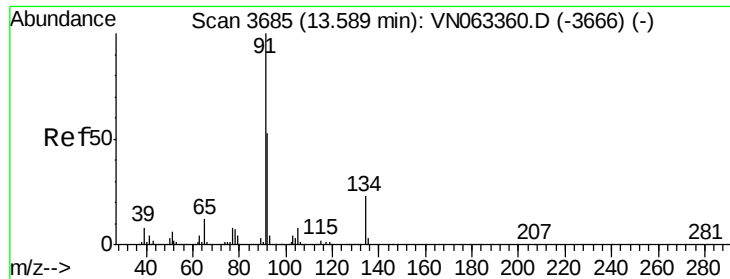
Delta R.T. -0.00 min

Lab File: VN063437.D

Acq: 17 Sep 2020 23:11

Tgt Ion:	146	Resp:	130962
Ion Ratio	Lower	Upper	
146	100		
111	45.1	21.2	63.6
148	62.3	31.9	95.9





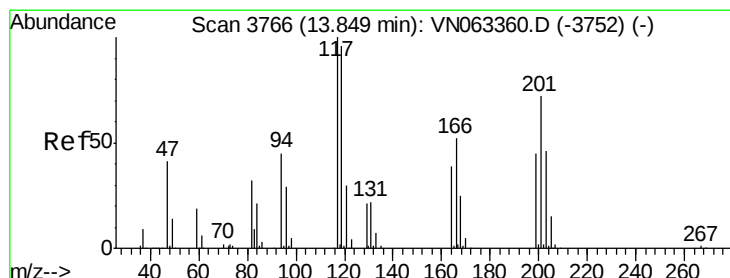
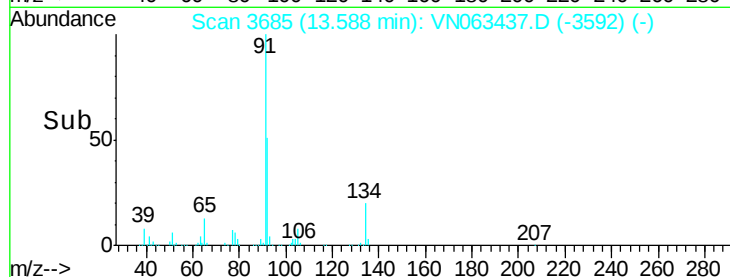
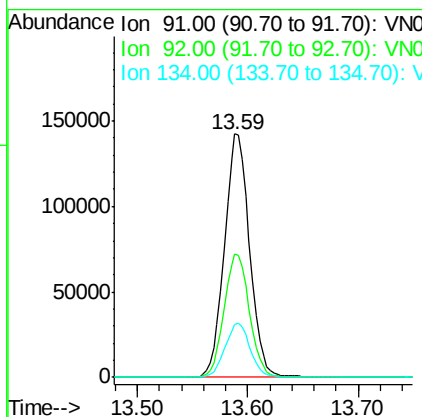
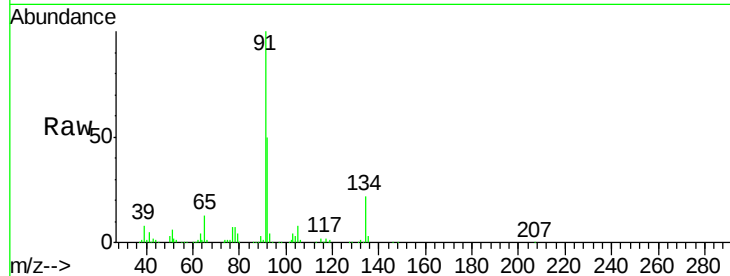
#89
n-Butylbenzene
Concen: 19.713 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	26.0	78.0
134	22.1	11.7	35.0

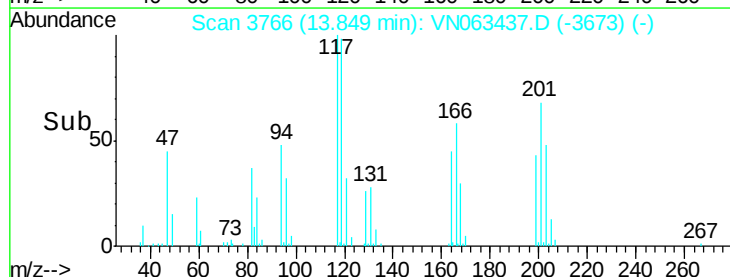
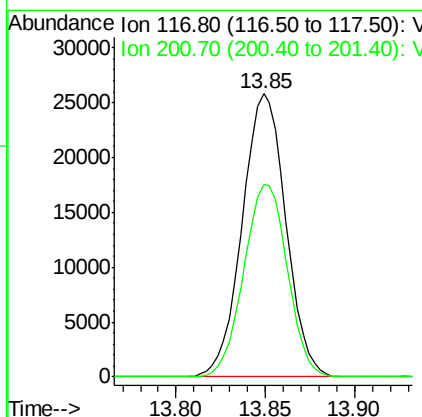
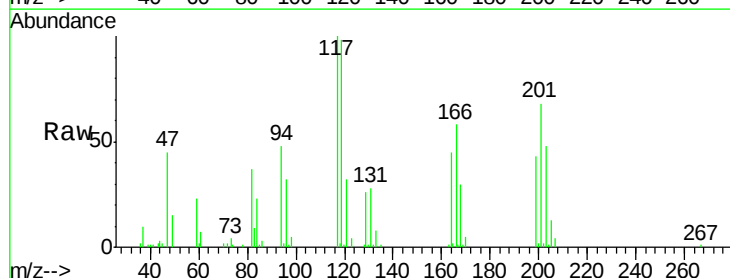
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#90
Hexachloroethane
Concen: 18.599 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.0	35.5	106.7





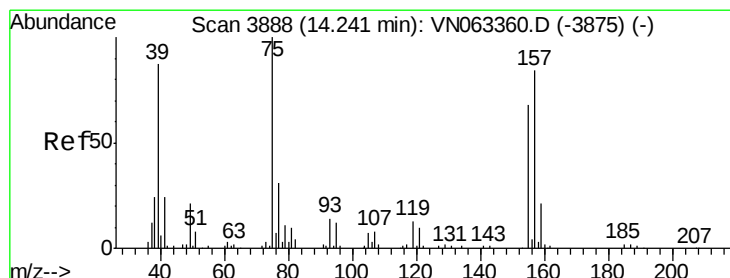
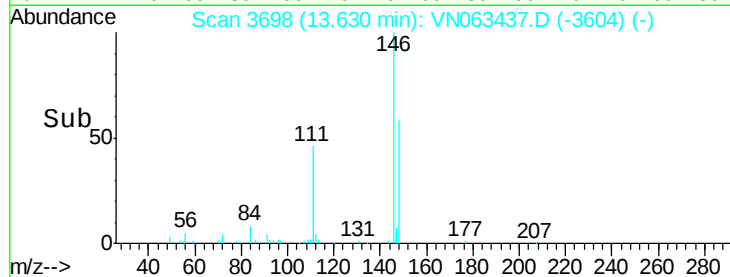
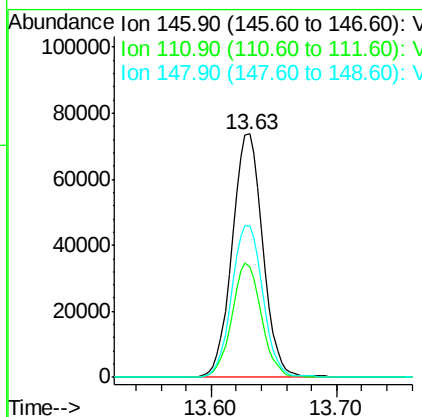
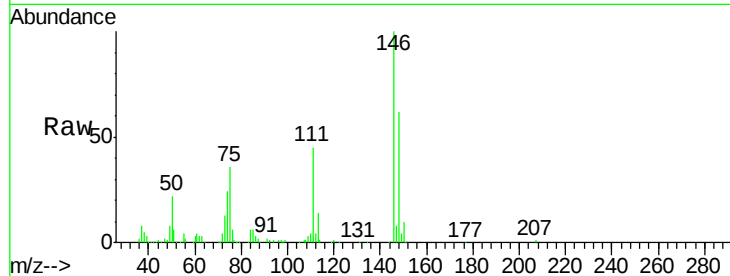
#91
 1,2-Dichlorobenzene
 Concen: 20.021 ug/l
 RT: 13.63 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.4	67.2
148	63.4	32.0	96.0

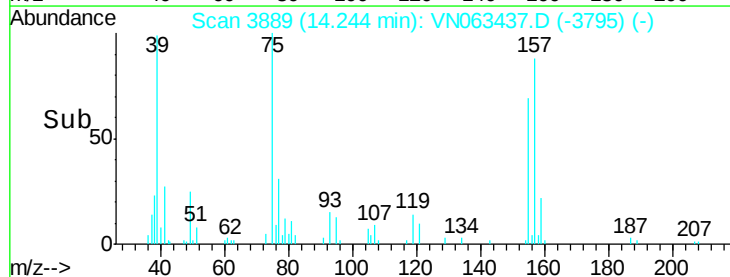
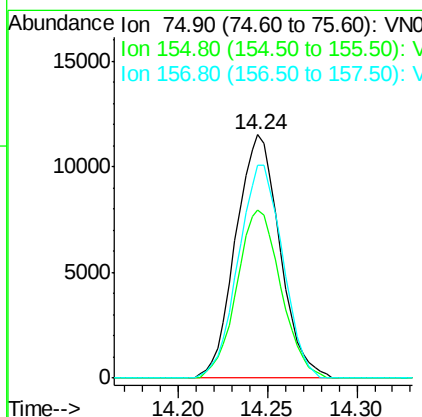
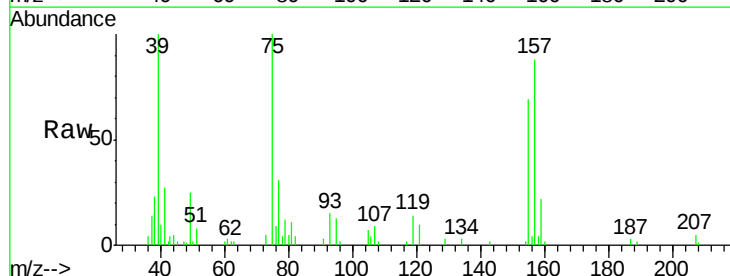
Manual Integrations
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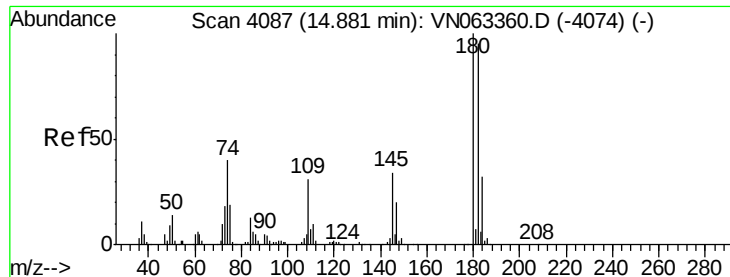
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.595 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.1	34.6	103.9
157	88.2	43.7	131.1





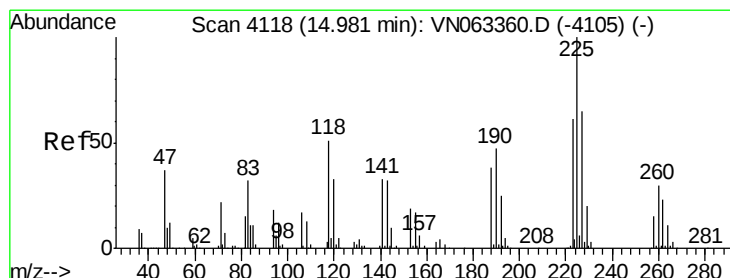
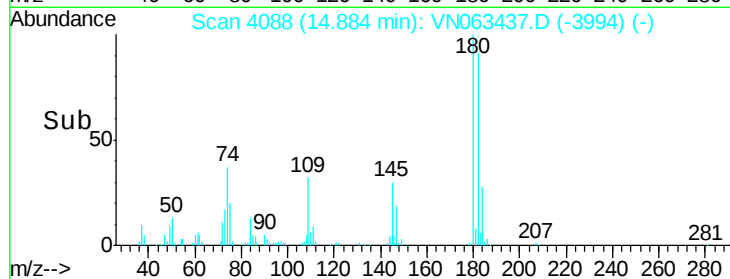
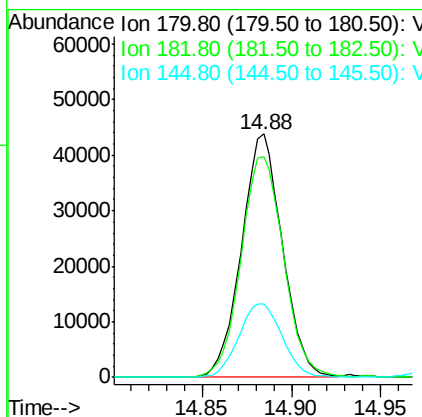
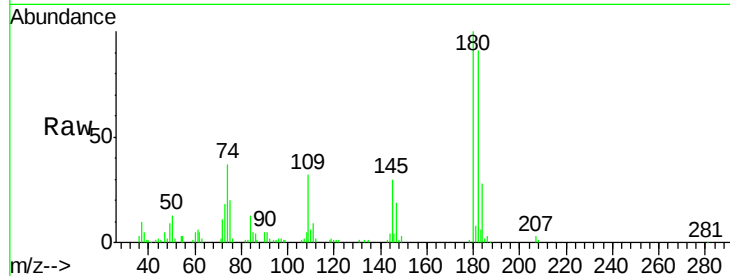
#93
 1,2,4-Trichlorobenzene
 Concen: 19.081 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	142.0
145	32.1	16.6	49.7

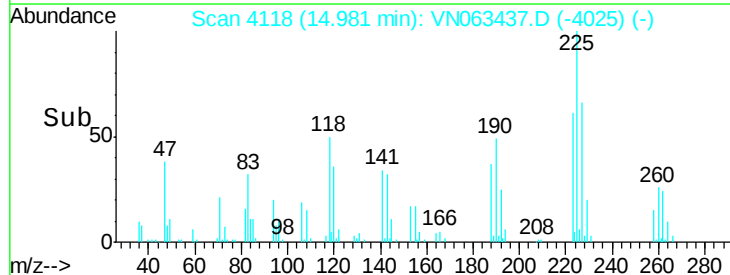
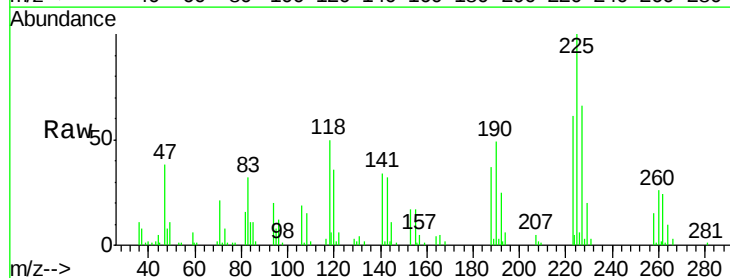
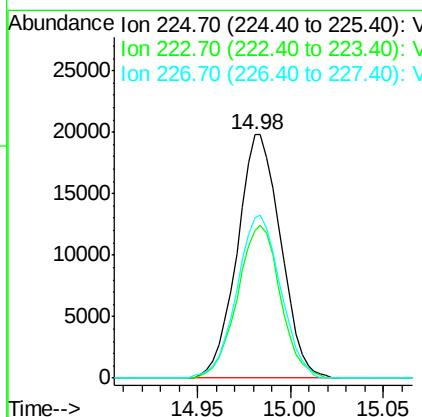
Manual Integrations
 APPROVED

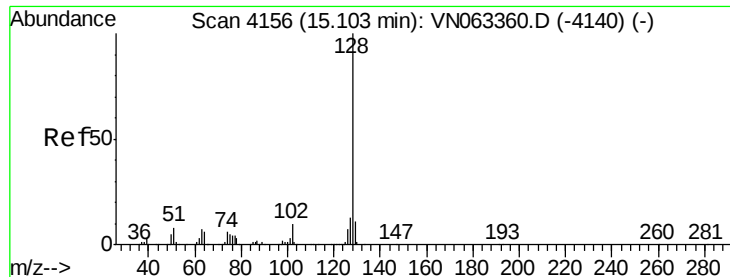
MMDadoda
 9/18/2020 10:03:05 AM



#94
 Hexachlorobutadiene
 Concen: 21.112 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063437.D
 Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	30.6	91.6
227	67.0	31.2	93.6





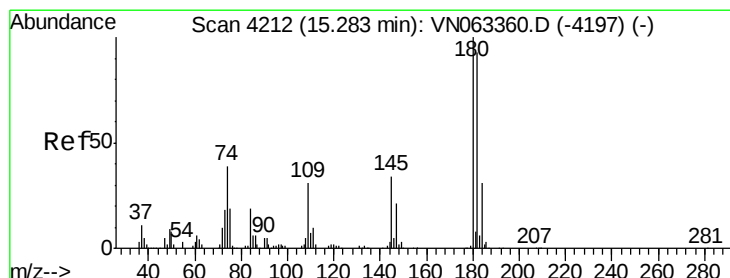
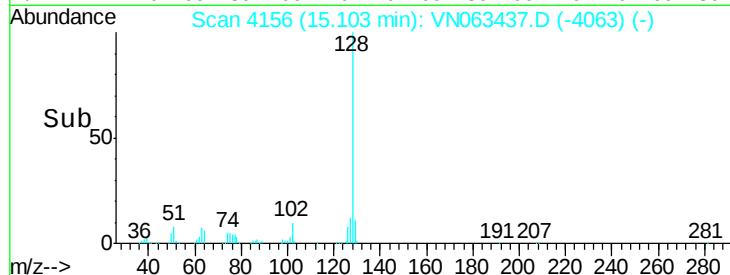
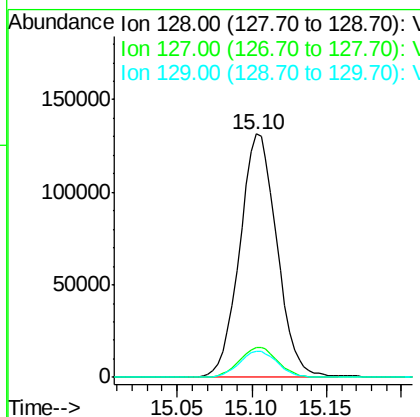
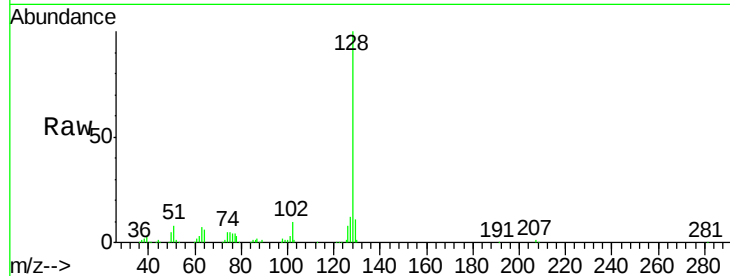
#95
Naphthalene
Concen: 18.664 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Instrument :
MSVOA_N
ClientSampleId :
VN0917MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/18/2020 10:03:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.781 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063437.D
Acq: 17 Sep 2020 23:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	46.7	140.1
145	35.0	16.8	50.3

