

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063505.D
 Acq On : 22 Sep 2020 00:05
 Operator : JC/MD
 Sample : VN0921WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:08:13 PM

Quant Time: Sep 22 05:18:38 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	7.62	168	267974	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	479564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	443963	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	202648	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	211546	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
35) Dibromofluoromethane	7.55	113	149024	44.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.78%	
50) Toluene-d8	10.06	98	561422	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	
62) 4-Bromofluorobenzene	12.38	95	210139	45.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	55320	18.222	ug/l	98
3) Chloromethane	2.04	50	68316	17.010	ug/l	99
4) Vinyl Chloride	2.16	62	65984	18.544	ug/l	99
5) Bromomethane	2.53	94	43727	20.697	ug/l	99
6) Chloroethane	2.67	64	40010	18.318	ug/l	98
7) Trichlorofluoromethane	2.98	101	104187	19.625	ug/l	99
8) Diethyl Ether	3.38	74	41883	20.238	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	56581	18.951	ug/l	98
10) Methyl Iodide	3.91	142	73554	18.923	ug/l	98
11) Tert butyl alcohol	4.73	59	65157	103.105	ug/l #	91
12) 1,1-Dichloroethene	3.70	96	56574	18.708	ug/l	97
13) Acrolein	3.57	56	27682	118.203	ug/l	98
14) Allyl chloride	4.28	41	109294	18.271	ug/l	98
15) Acrylonitrile	4.94	53	163895	101.959	ug/l	99
16) Acetone	3.78	43	150934	102.954	ug/l	97
17) Carbon Disulfide	4.01	76	152959	17.389	ug/l	100
18) Methyl Acetate	4.28	43	78027	20.965	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	213910	18.979	ug/l	99
20) Methylene Chloride	4.51	84	68743	18.507	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	62664	18.703	ug/l	97
22) Diisopropyl ether	5.90	45	231108	18.944	ug/l	99
23) Vinyl Acetate	5.85	43	960825	95.900	ug/l	99
24) 1,1-Dichloroethane	5.80	63	122264	18.357	ug/l	99
25) 2-Butanone	6.79	43	232987	103.333	ug/l	98
26) 2,2-Dichloropropane	6.78	77	91379	15.583	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	73104	19.277	ug/l	98
28) Bromochloromethane	7.15	49	57400	18.665	ug/l	99
29) Tetrahydrofuran	7.17	42	157229	102.102	ug/l	99
30) Chloroform	7.33	83	126648	18.953	ug/l	99
31) Cyclohexane	7.61	56	107095	16.999	ug/l	97
32) 1,1,1-Trichloroethane	7.53	97	111716	18.797	ug/l	99
36) 1,1-Dichloropropene	7.75	75	90255	17.666	ug/l	98
37) Ethyl Acetate	6.88	43	97691	19.482	ug/l	99
38) Carbon Tetrachloride	7.73	117	94649	18.148	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	92947	16.762	ug/l	96
40) Benzene	8.00	78	271271	18.600	ug/l	98
41) Methacrylonitrile	7.14	41	44997m	19.952	ug/l	
42) 1,2-Dichloroethane	8.08	62	110403	18.824	ug/l	99
43) Isopropyl Acetate	8.13	43	167969	18.734	ug/l	99
44) Trichloroethene	8.80	130	66085	18.682	ug/l	100
45) 1,2-Dichloropropane	9.08	63	75702	19.058	ug/l	96
46) Dibromomethane	9.17	93	50305	19.268	ug/l	99
47) Bromodichloromethane	9.37	83	100756	18.577	ug/l	97
48) Methyl methacrylate	9.17	41	79000	17.934	ug/l	96
49) 1,4-Dioxane	9.17	88	26910	425.681	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	505968	100.799	ug/l	99
52) Toluene	10.12	92	166490	18.987	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	106651	17.614	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	114855	17.983	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	68655	19.712	ug/l	95
56) Ethyl methacrylate	10.40	69	100068	18.404	ug/l	98
57) 1,3-Dichloropropane	10.68	76	116073	18.480	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	255306	89.508	ug/l	98
59) 2-Hexanone	10.72	43	366930	100.901	ug/l	98
60) Dibromochloromethane	10.87	129	73203	18.604	ug/l	99
61) 1,2-Dibromoethane	10.98	107	69802	19.290	ug/l	100
64) Tetrachloroethene	10.60	164	57929	19.162	ug/l	98
65) Chlorobenzene	11.41	112	174496	18.516	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	65043	18.828	ug/l	98
67) Ethyl Benzene	11.49	91	324315	18.274	ug/l	99
68) m/p-Xylenes	11.60	106	234706	36.680	ug/l	98
69) o-Xylene	11.92	106	114829	18.838	ug/l	97
70) Styrene	11.94	104	190727	18.658	ug/l	99
71) Bromoform	12.10	173	48081	18.683	ug/l #	100
73) Isopropylbenzene	12.23	105	304016	18.721	ug/l	100
74) N-amyl acetate	12.05	43	143490	18.666	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	96391	19.170	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	93659m	18.673	ug/l	
77) Bromobenzene	12.50	156	70047	19.176	ug/l	99
78) n-propylbenzene	12.57	91	345826	18.284	ug/l	99
79) 2-Chlorotoluene	12.65	91	209484	18.476	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	254909	18.825	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	29960	16.376	ug/l	94
82) 4-Chlorotoluene	12.75	91	220576	18.413	ug/l	99
83) tert-Butylbenzene	12.97	119	205561	18.393	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	255688	18.694	ug/l	100
85) sec-Butylbenzene	13.15	105	268883	17.973	ug/l	100
86) p-Isopropyltoluene	13.26	119	238510	18.076	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	127995	18.905	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	127552	18.530	ug/l	98
89) n-Butylbenzene	13.59	91	212036	17.434	ug/l	98
90) Hexachloroethane	13.85	117	42203	16.797	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	124751	18.768	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	23154	19.338	ug/l	98

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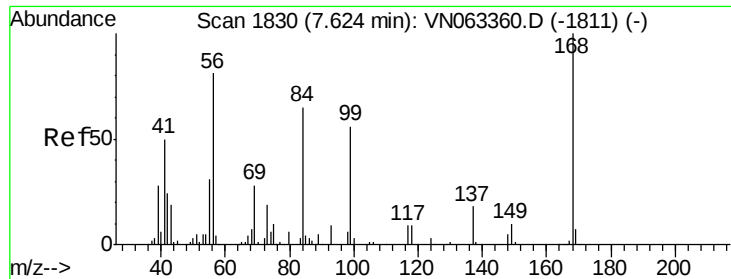
Manual Integrations
 APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	72459	18.491	ug/l	96
94) Hexachlorobutadiene	14.98	225	30493	18.796	ug/l	94
95) Naphthalene	15.10	128	249884	19.301	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	70917	18.730	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion:168 Resp: 267974

Ion Ratio Lower Upper

168 100

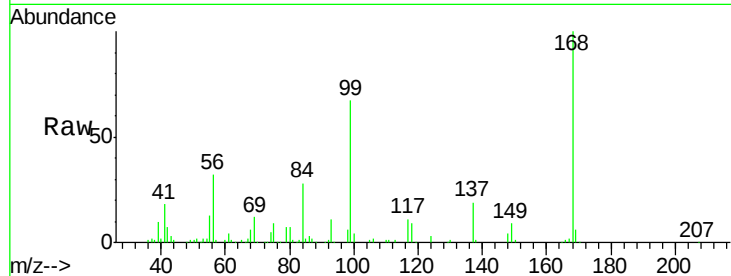
99 66.3 53.0 79.6

Manual Integrations

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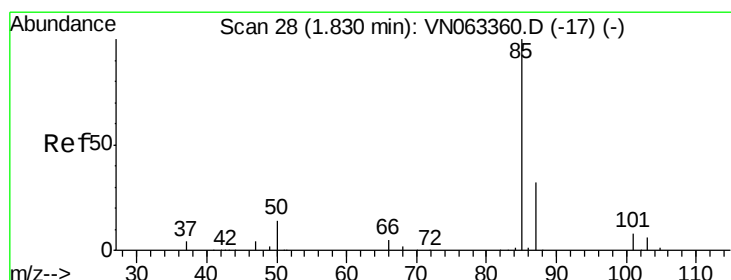
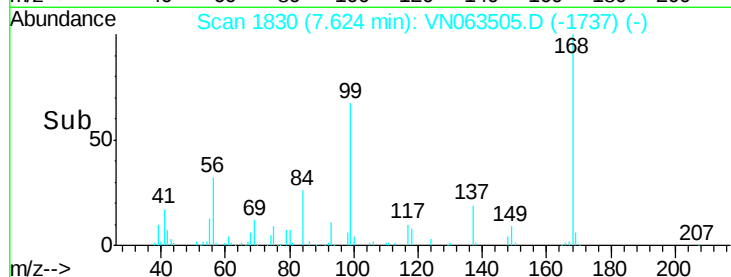
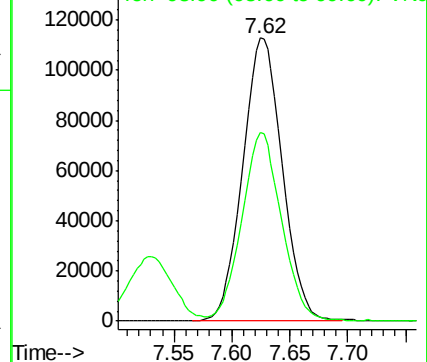
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9/22/2020 2:08:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#2

Dichlorodifluoromethane

Concen: 18.222 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063505.D

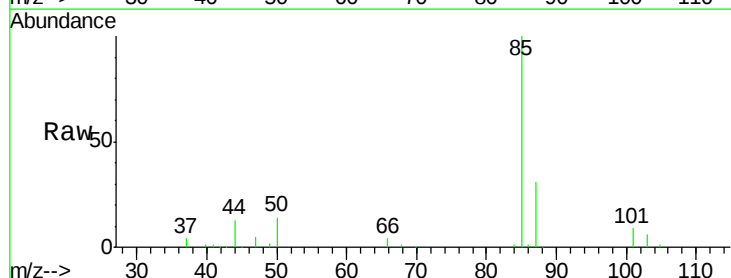
Acq: 22 Sep 2020 00:05

Tgt Ion: 85 Resp: 55320

Ion Ratio Lower Upper

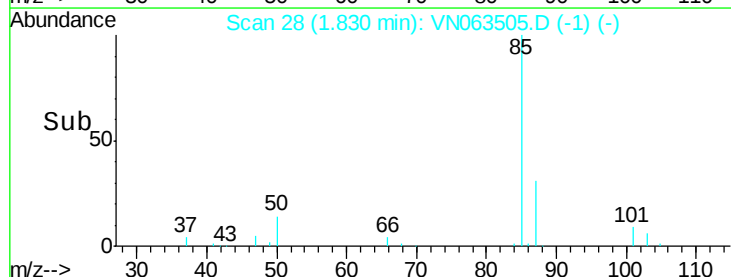
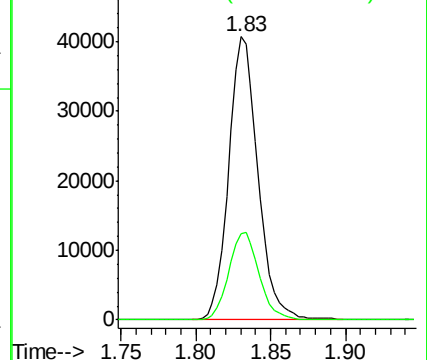
85 100

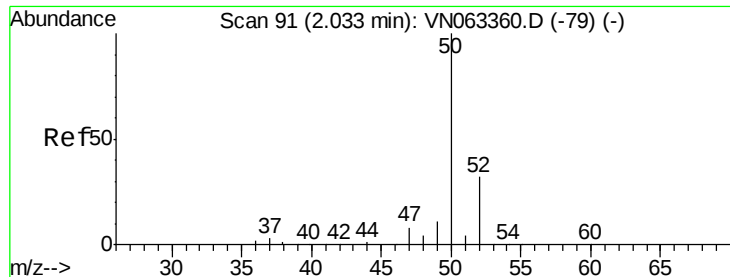
87 30.6 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0





#3

Chloromethane

Concen: 17.010 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 50 Resp: 68316

Ion Ratio Lower Upper

50 100

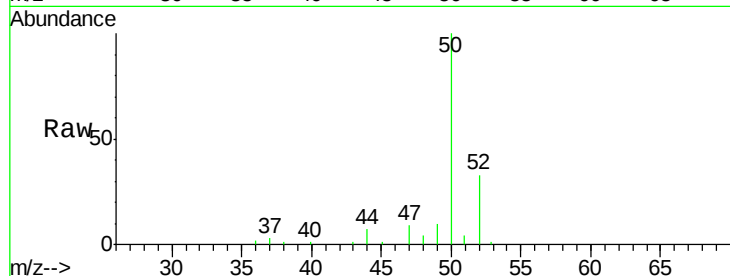
52 32.9 25.9 38.9

Manual Integrations

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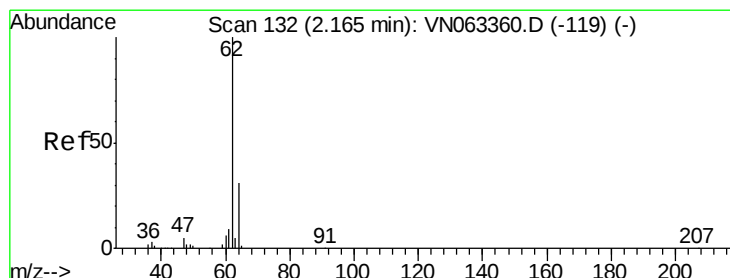
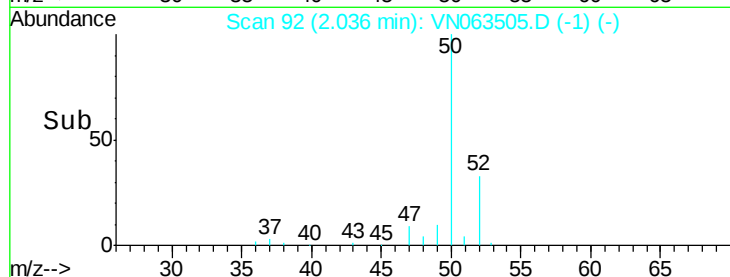
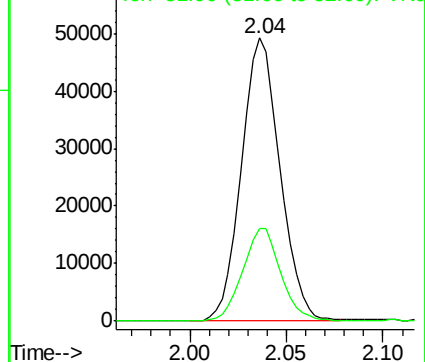
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.544 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063505.D

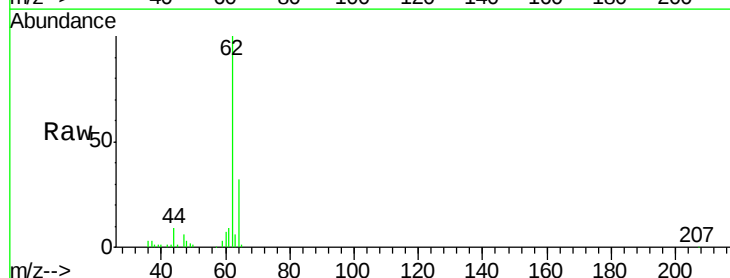
Acq: 22 Sep 2020 00:05

Tgt Ion: 62 Resp: 65984

Ion Ratio Lower Upper

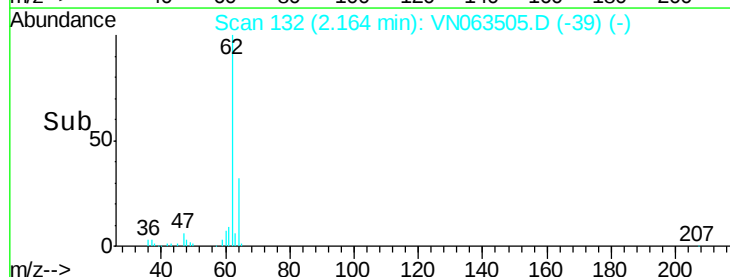
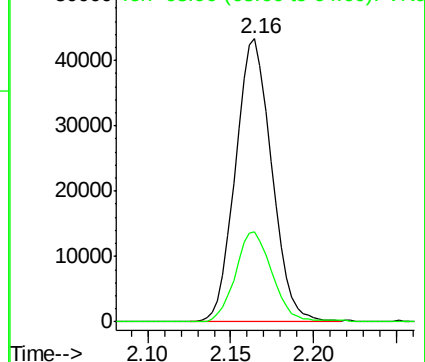
62 100

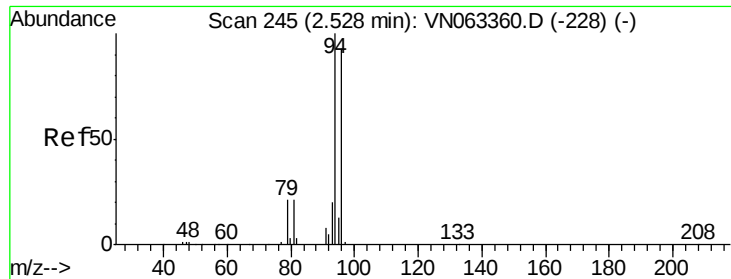
64 31.9 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 20.697 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

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VN0921WBSD02

Tot Ion: 94 Resp: 43727

Ion Ratio Lower Upper

94 100

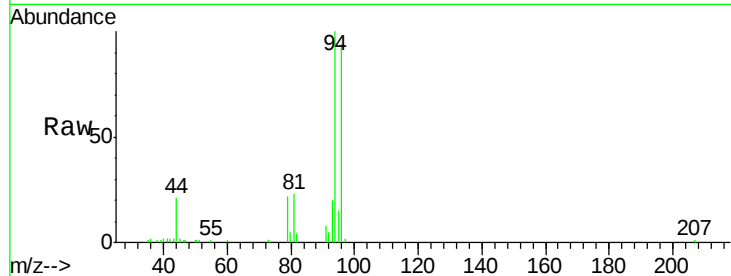
96 93.9 74.5 111.7

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

2.53

25000

20000

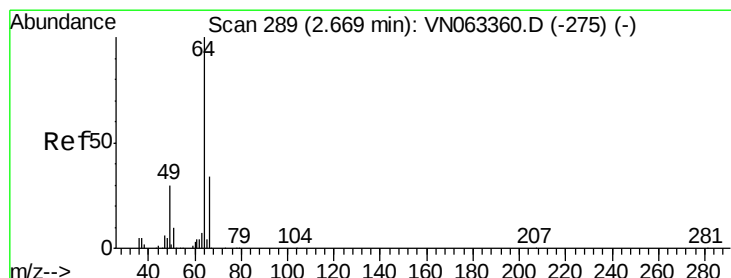
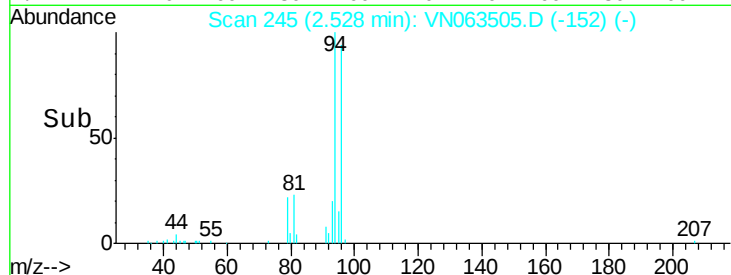
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 18.318 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063505.D

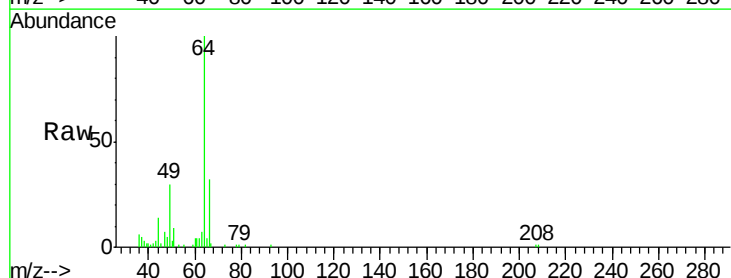
Acq: 22 Sep 2020 00:05

Tgt Ion: 64 Resp: 40010

Ion Ratio Lower Upper

64 100

66 32.2 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

20000

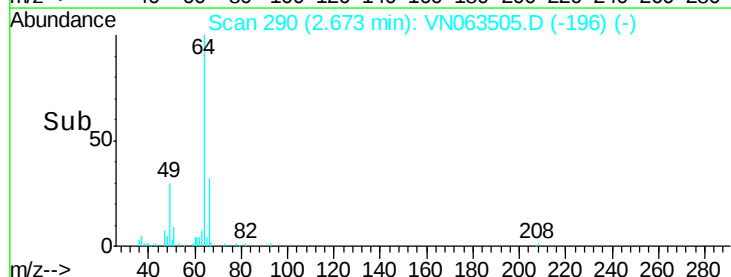
15000

10000

5000

0

Time-->





#7

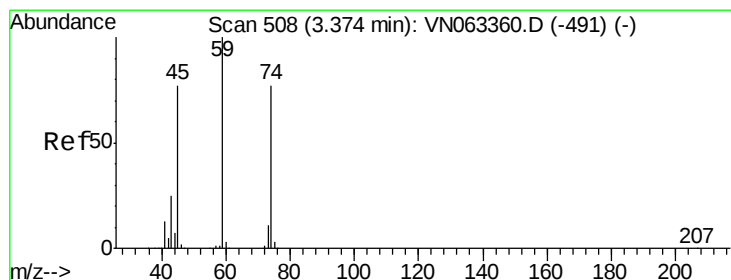
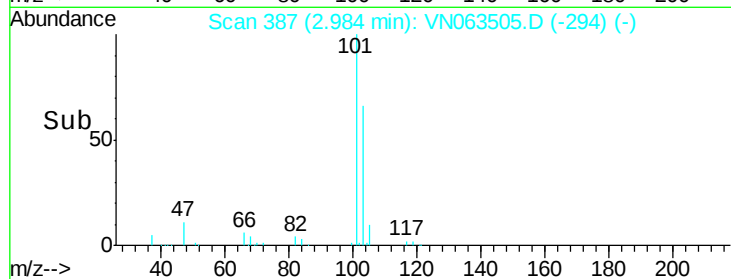
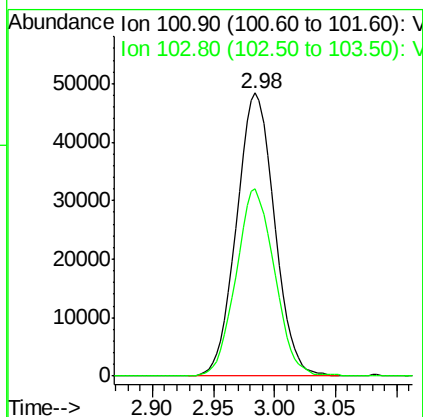
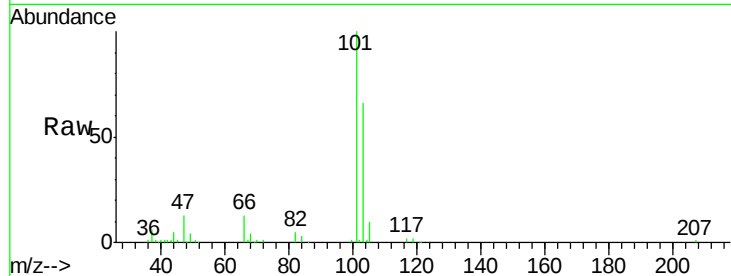
Trichlorofluoromethane
 Concen: 19.625 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.3	78.5

Manual Integrations
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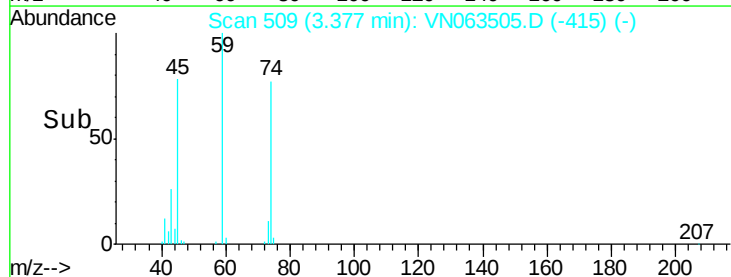
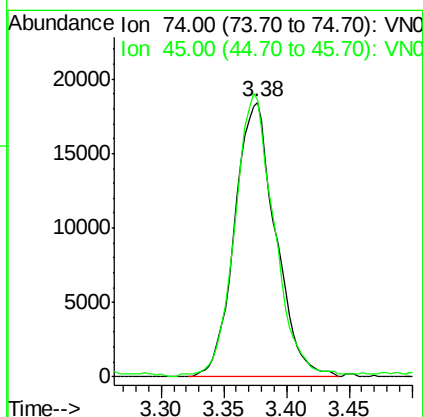
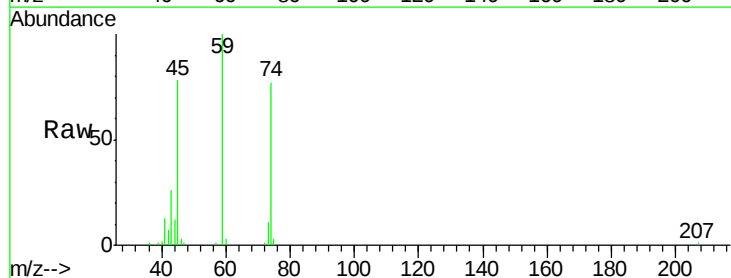
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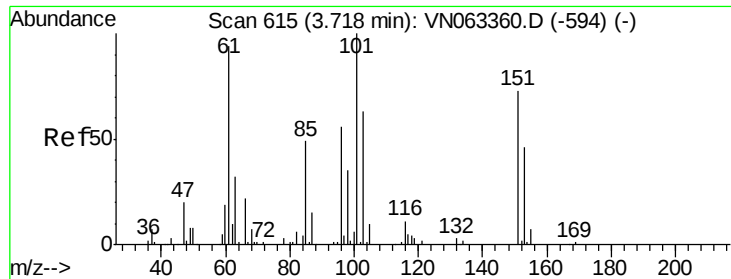


#8

Diethyl Ether
 Concen: 20.238 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.951 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

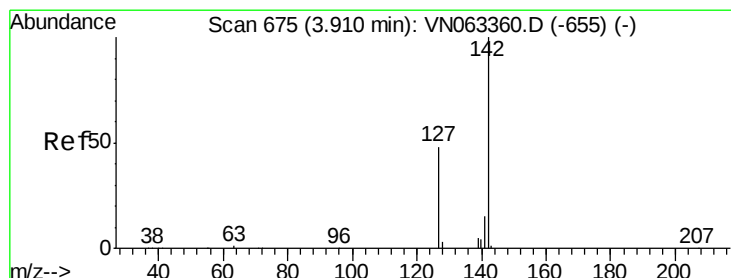
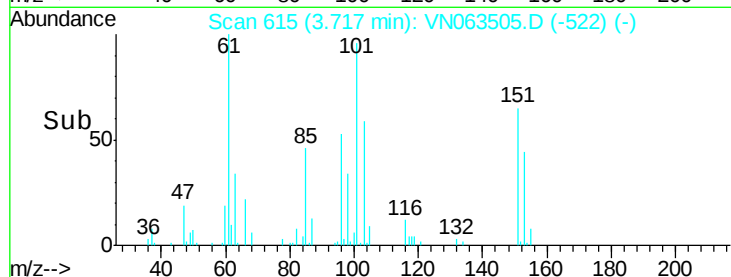
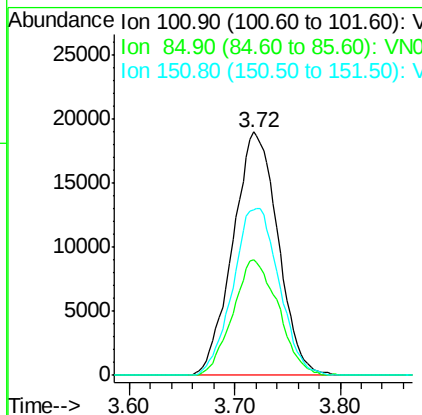
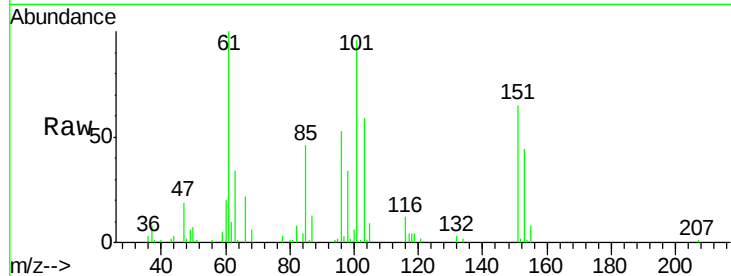
ClientSampleId :

VN0921WBSD02

Tot Ion:	101	Resp:	56581
Ion Ratio	Lower	Upper	
101	100		
85	47.6	37.7	56.5
151	69.9	57.7	86.5

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#10

Methyl Iodide

Concen: 18.923 ug/l

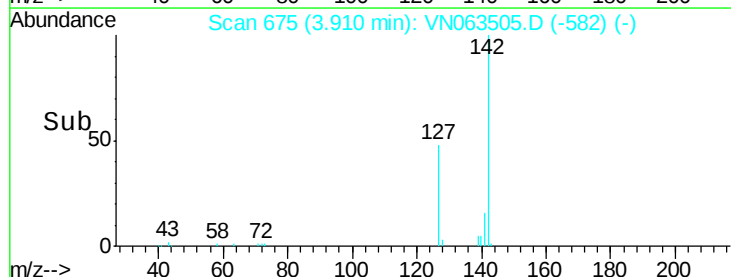
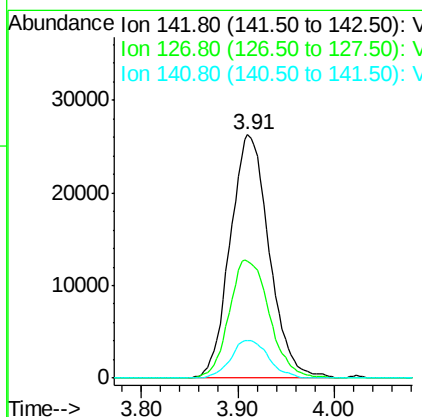
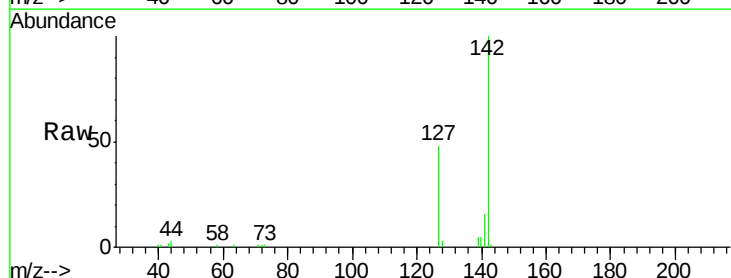
RT: 3.91 min Scan# 675

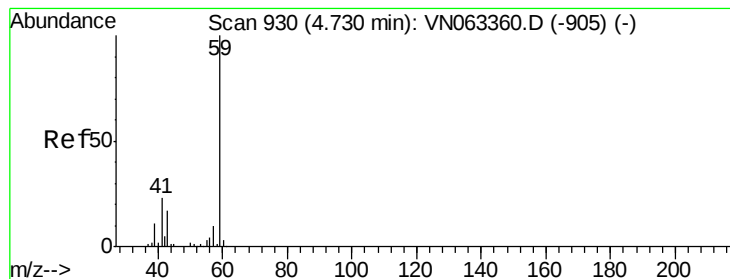
Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Tgt Ion:	142	Resp:	73554
Ion Ratio	Lower	Upper	
142	100		
127	49.9	39.0	58.6
141	15.0	11.6	17.4





#11

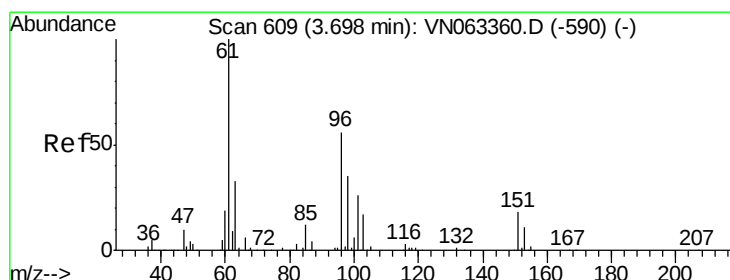
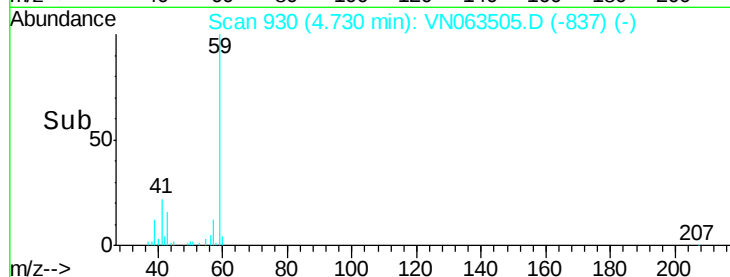
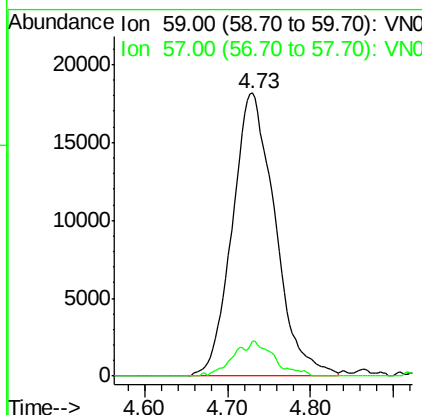
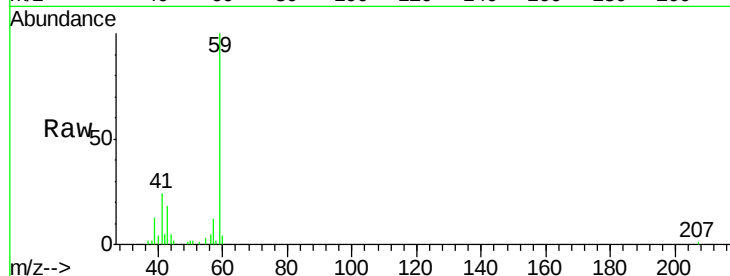
Tert butyl alcohol
Concen: 103.105 ug/l
RT: 4.73 min Scan# 930
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.1	8.4	12.6#

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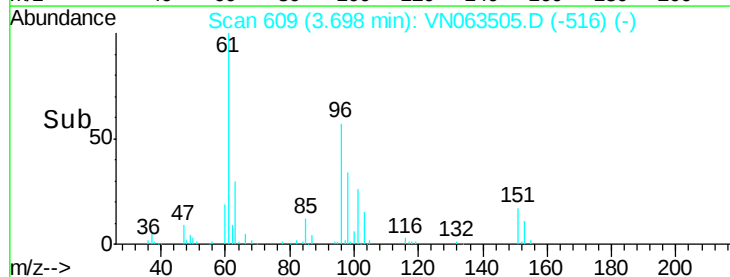
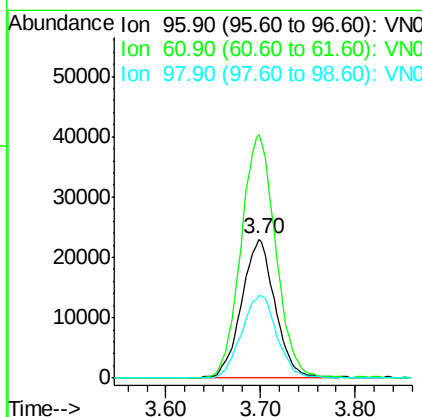
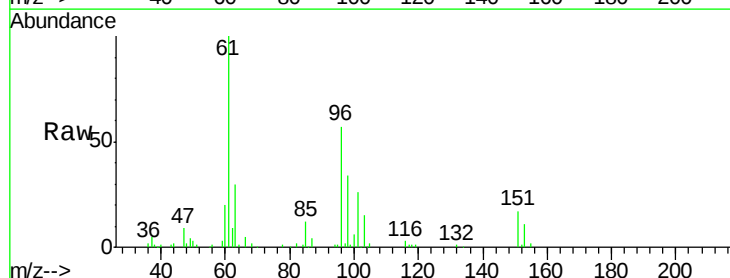
MMDadoda
9/22/2020 2:08:13 PM

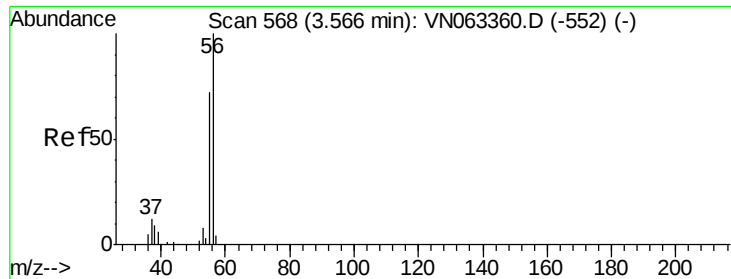


#12

1,1-Dichloroethene
Concen: 18.708 ug/l
RT: 3.70 min Scan# 609
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.6	143.4	215.2
98	58.9	50.6	76.0





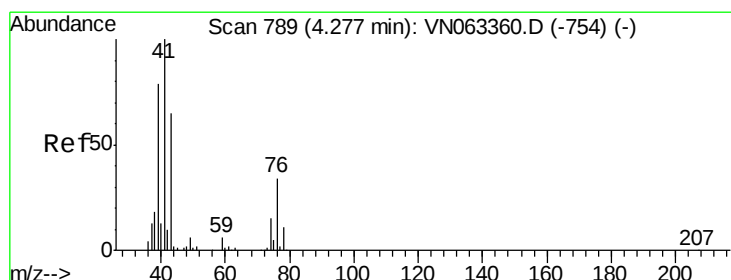
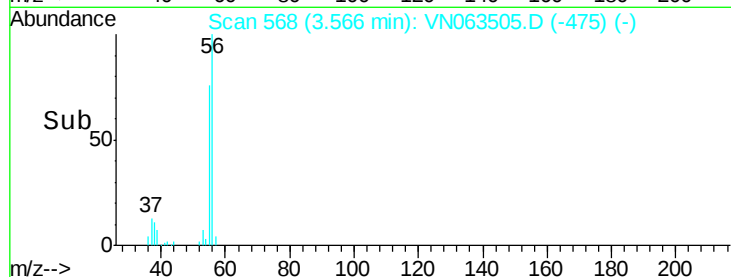
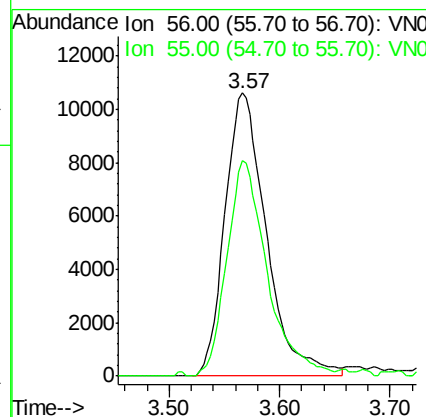
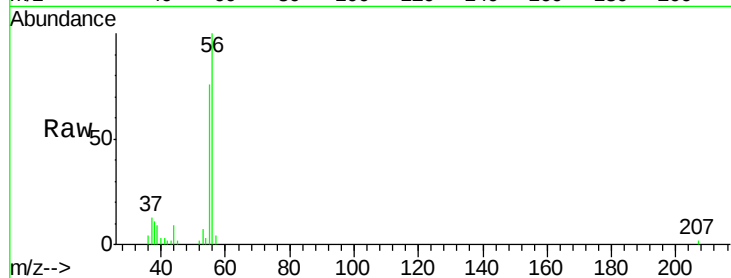
#13
Acrolein
Concen: 118.203 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	56	Resp	27682
Ion Ratio	100	Lower	Upper
56	100		
55	74.0	58.2	87.2

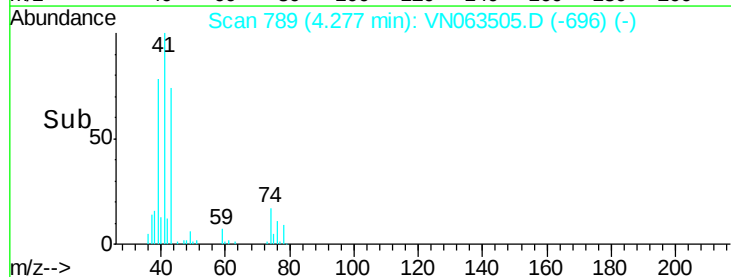
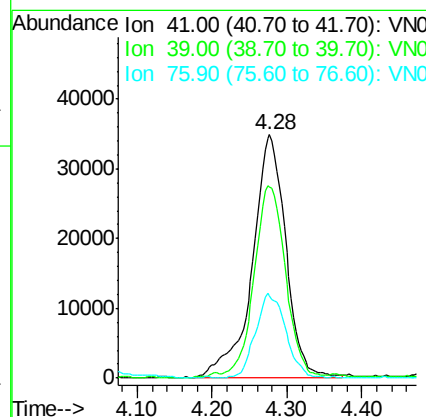
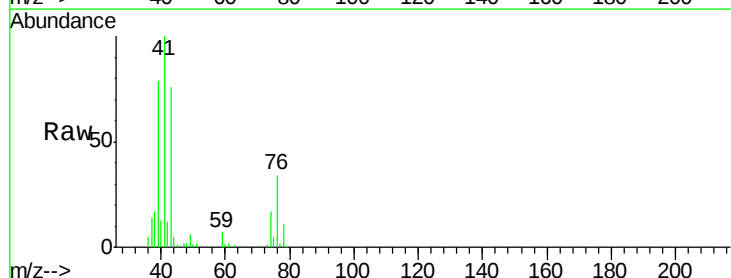
Manual Integrations
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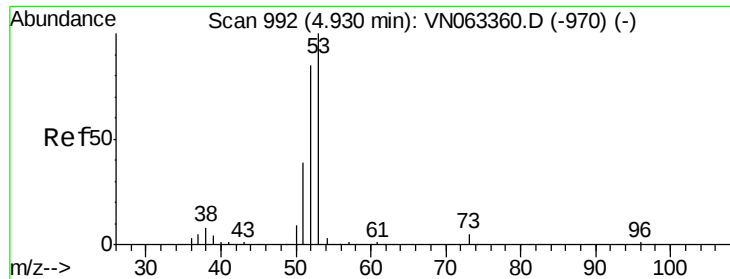
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#14
Allyl chloride
Concen: 18.271 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	41	Resp	109294
Ion Ratio	100	Lower	Upper
41	100		
39	72.2	59.3	88.9
76	31.3	25.3	37.9





#15

Acrylonitrile

Concen: 101.959 ug/l

RT: 4.94 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

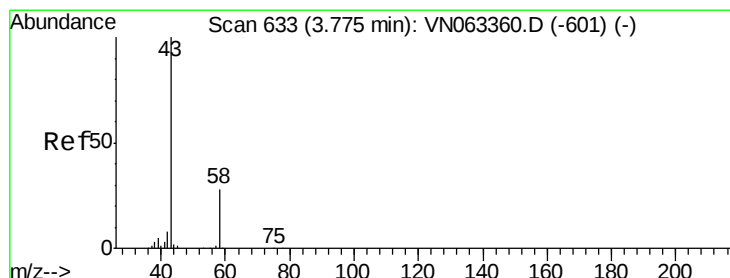
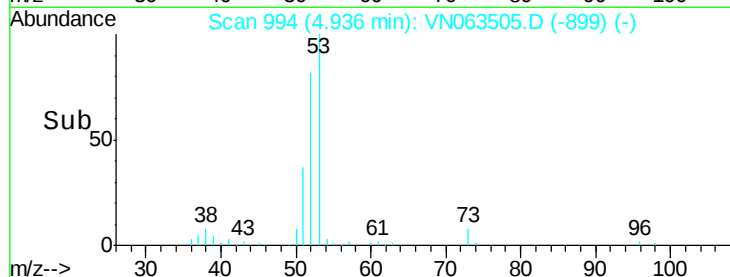
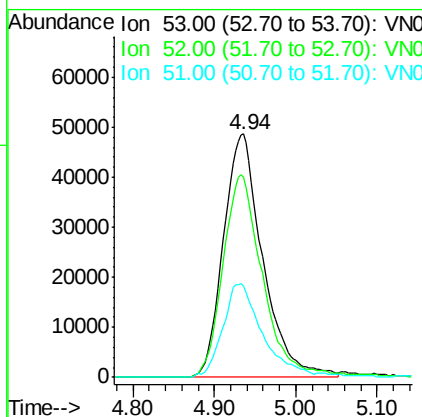
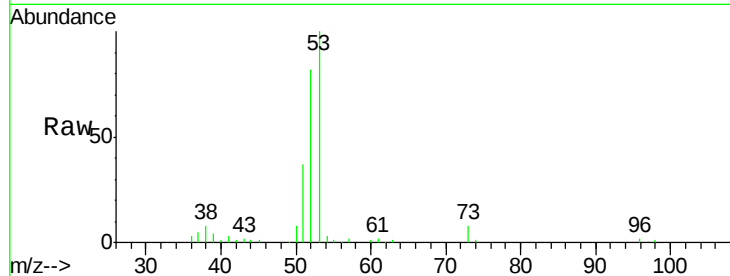
ClientSampleId :

VN0921WBSD02

Tot Ion:	53	Resp:	163895
Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.4	99.6
51	38.6	30.2	45.4

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#16

Acetone

Concen: 102.954 ug/l

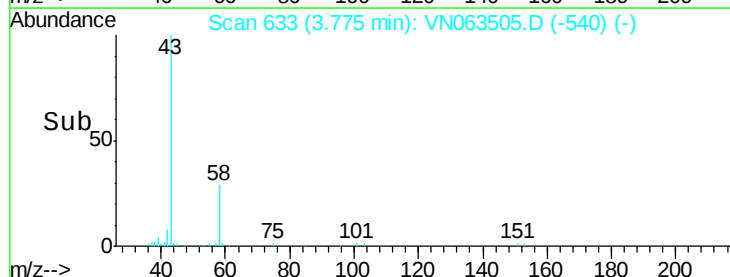
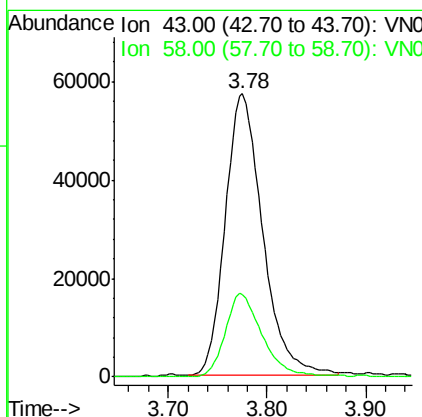
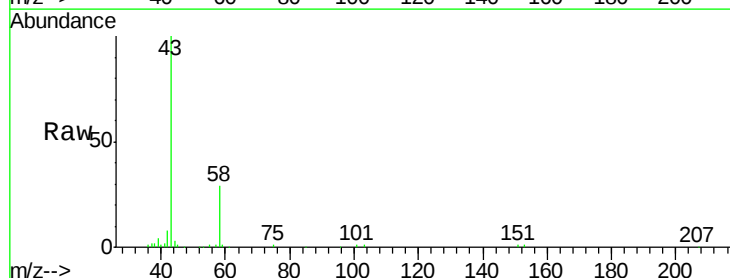
RT: 3.78 min Scan# 633

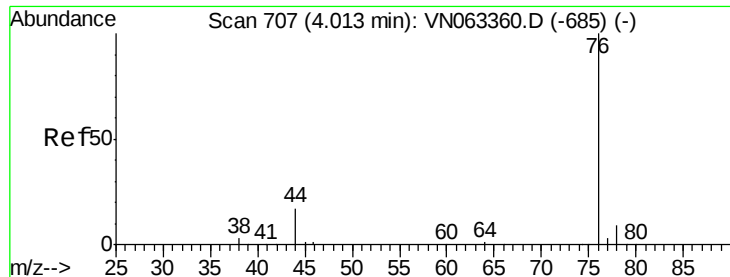
Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Tgt Ion:	43	Resp:	150934
Ion	Ratio	Lower	Upper
43	100		
58	29.5	22.3	33.5





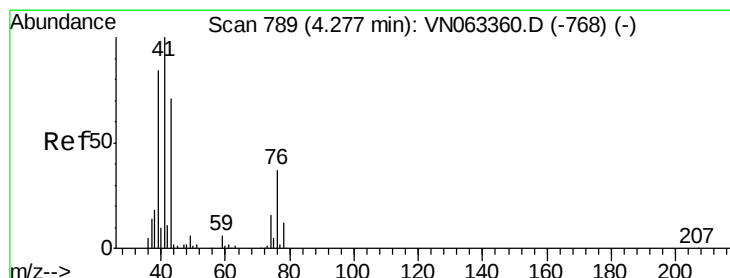
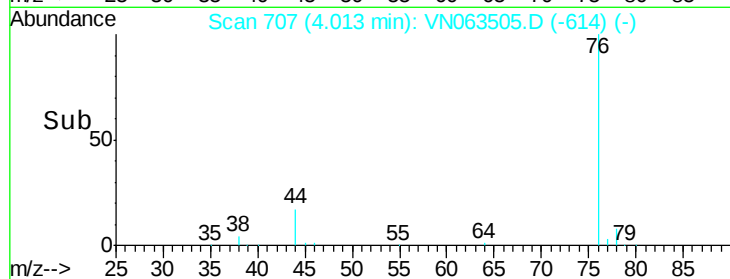
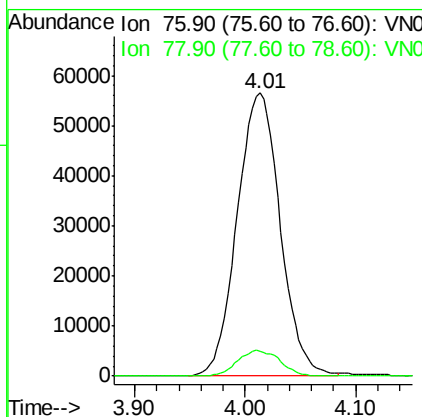
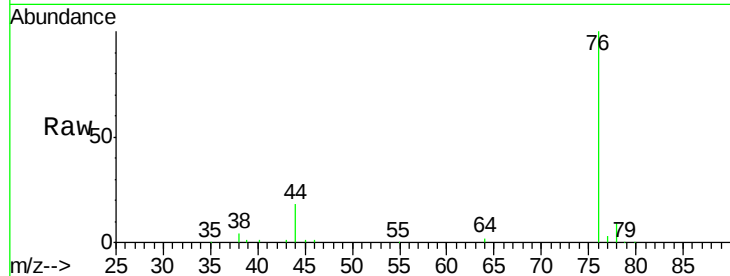
#17
Carbon Disulfide
Concen: 17.389 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

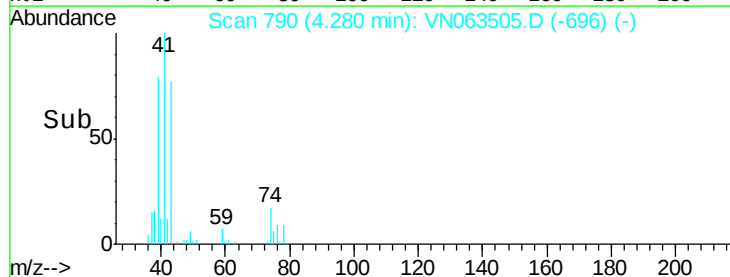
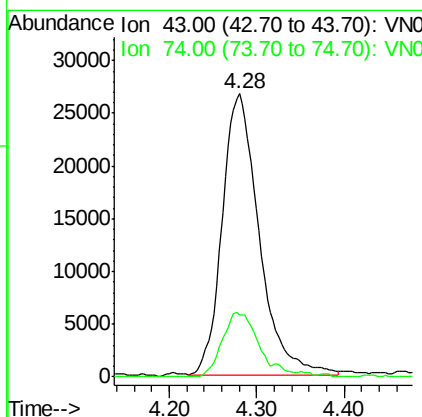
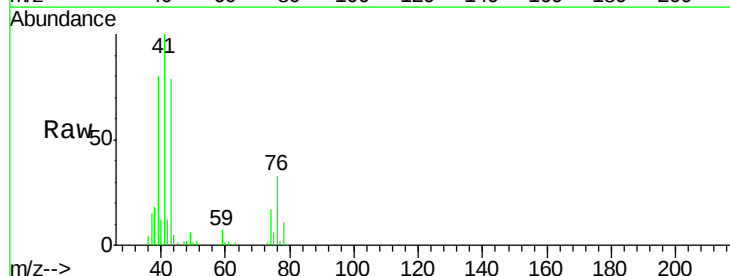
Manual Integrations
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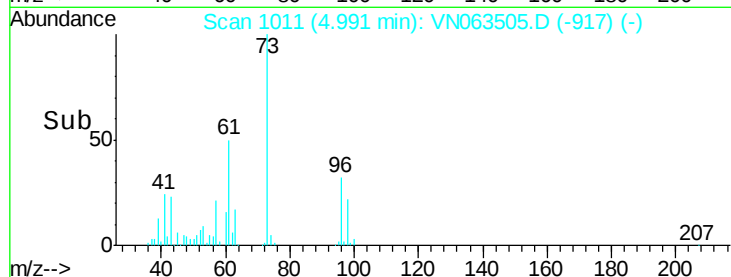
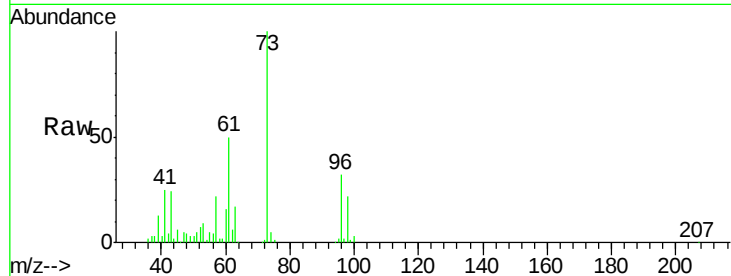
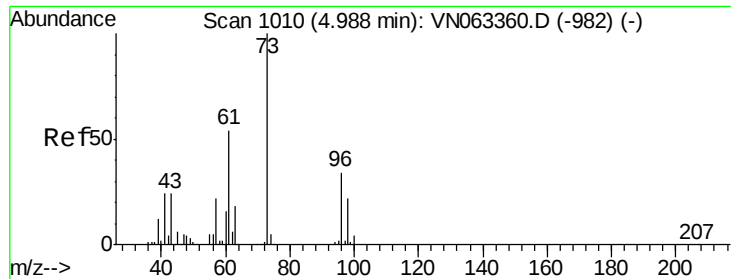
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#18
Methyl Acetate
Concen: 20.965 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.4	26.2





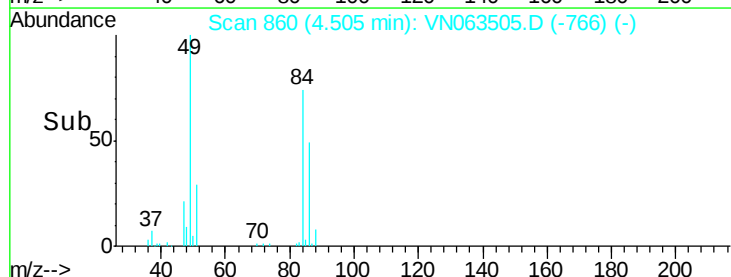
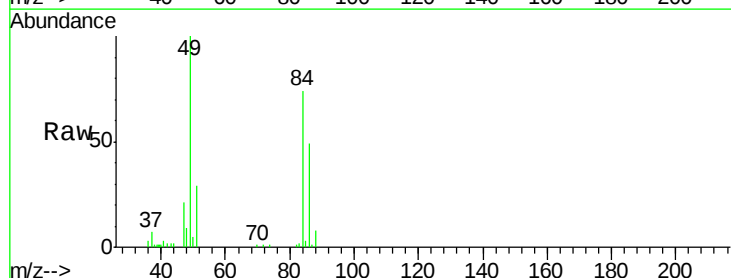
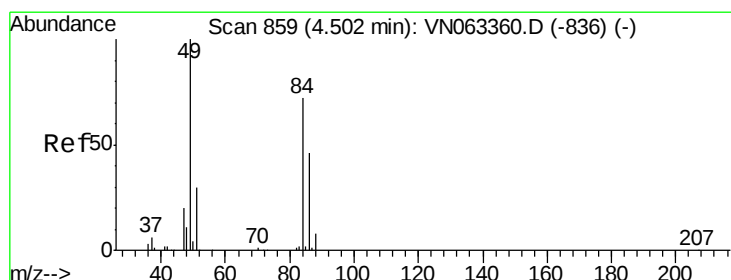
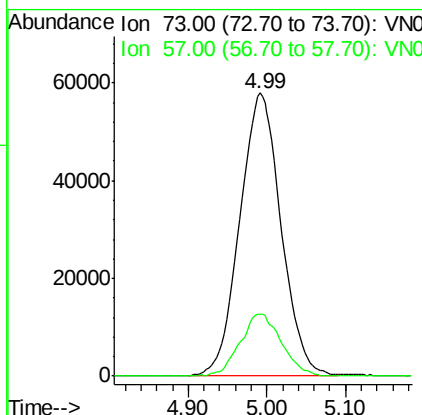
#19
Methyl tert-butyl Ether
Concen: 18.979 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tot Ion: 73 Resp: 213910
Ion Ratio Lower Upper
73 100
57 22.0 17.9 26.9

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

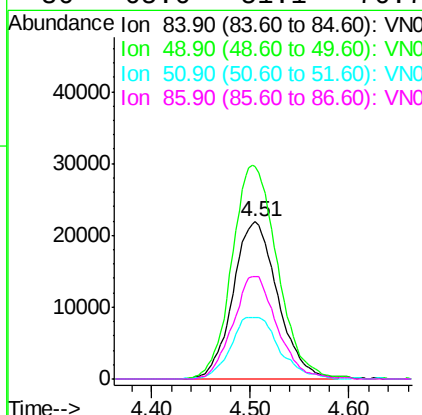
Manual Integrations
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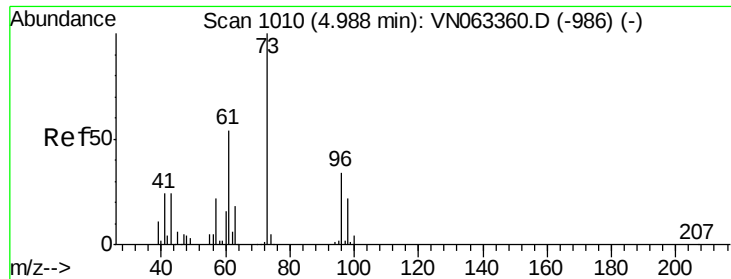
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#20
Methylene Chloride
Concen: 18.507 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion: 84 Resp: 68743
Ion Ratio Lower Upper
84 100
49 134.5 110.7 166.1
51 39.1 32.9 49.3
86 65.6 51.1 76.7





#21

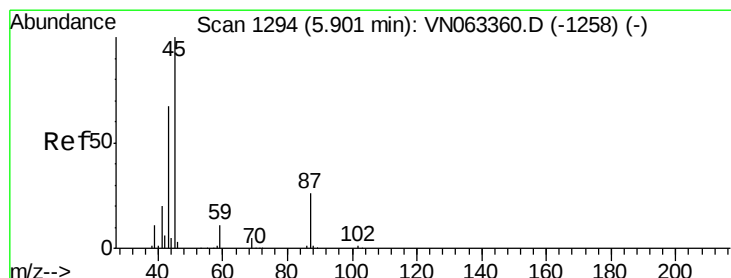
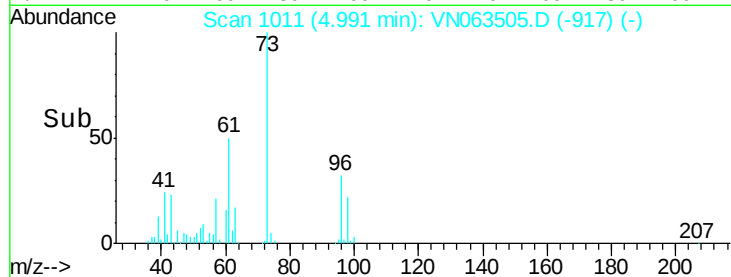
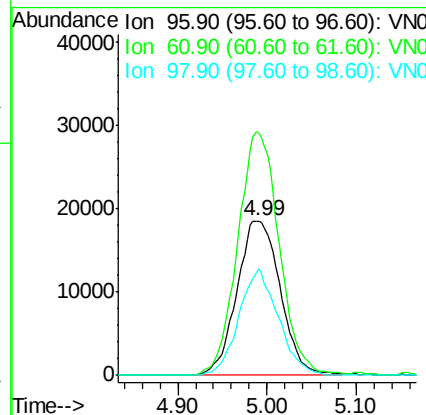
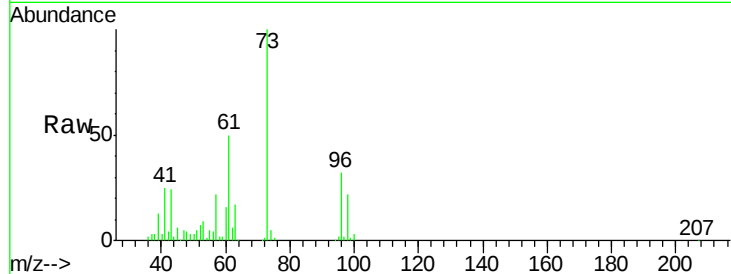
trans-1,2-Dichloroethene
Concen: 18.703 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.5	126.2	189.4
98	68.8	51.0	76.4

Manual Integrations
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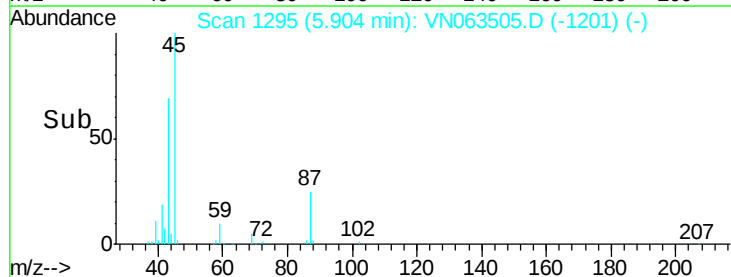
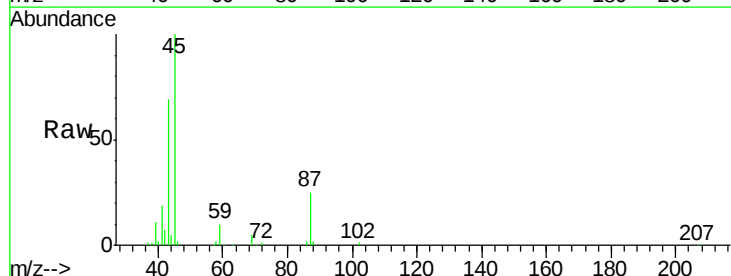
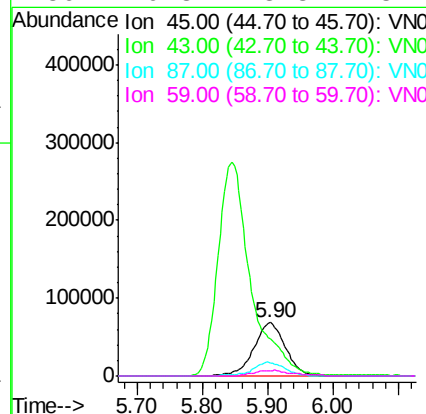
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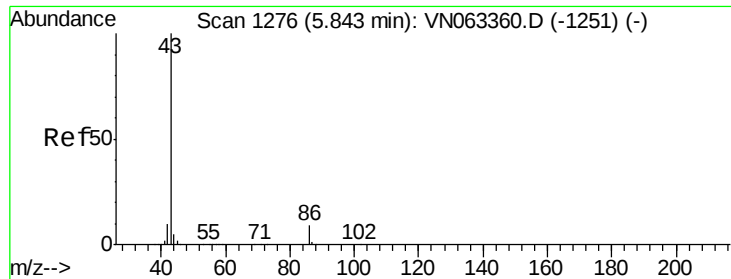


#22

Diisopropyl ether
Concen: 18.944 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.5	53.5	80.3
87	24.9	21.2	31.8
59	10.3	8.8	13.2





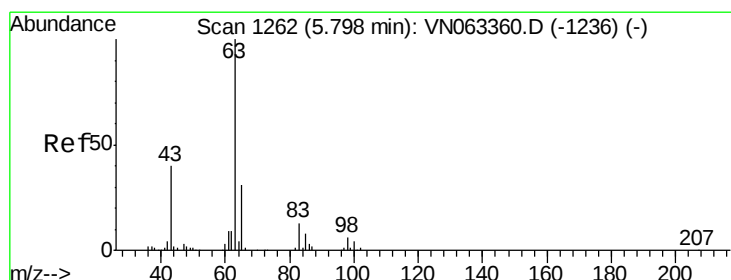
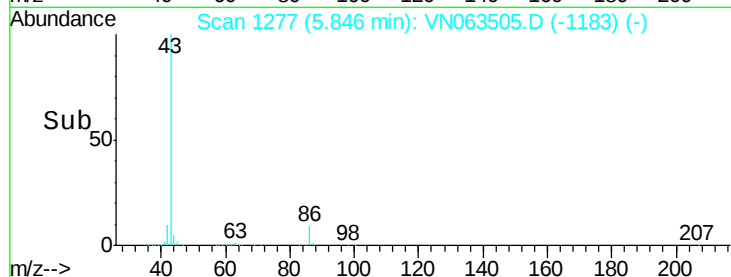
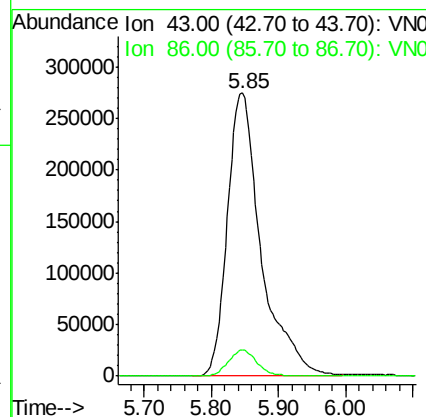
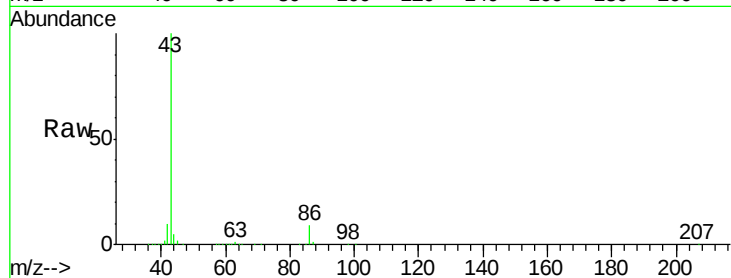
#23
 Vinyl Acetate
 Concen: 95.900 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.1	10.7

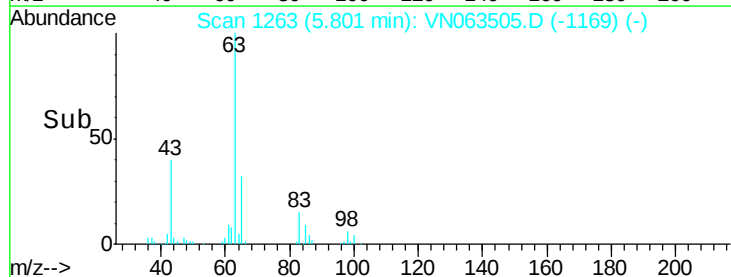
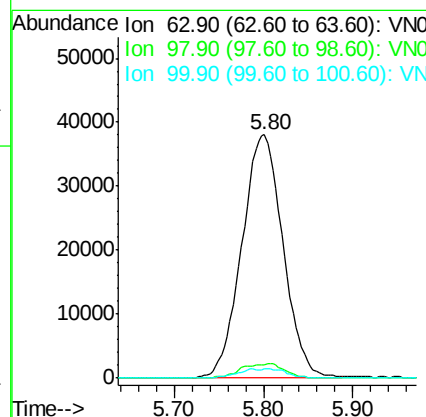
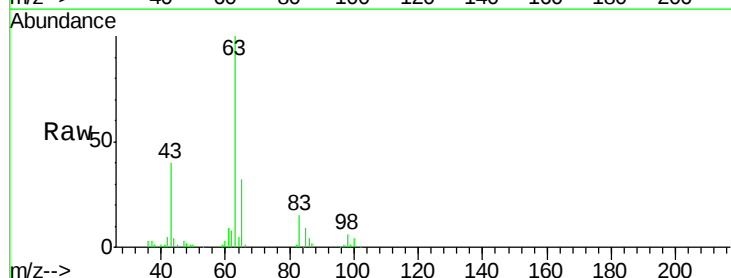
Manual Integrations
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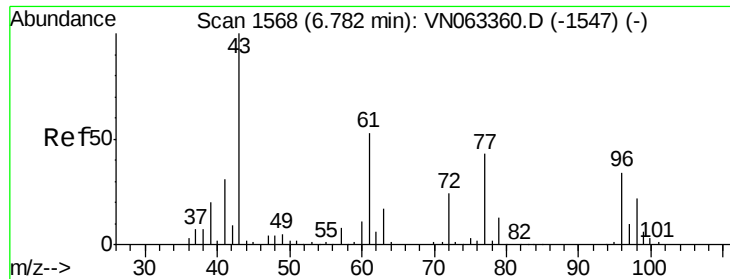
MMDadoda
 9/22/2020 2:08:13 PM



#24
 1,1-Dichloroethane
 Concen: 18.357 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.6	2.9	8.8
100	3.7	2.1	6.3





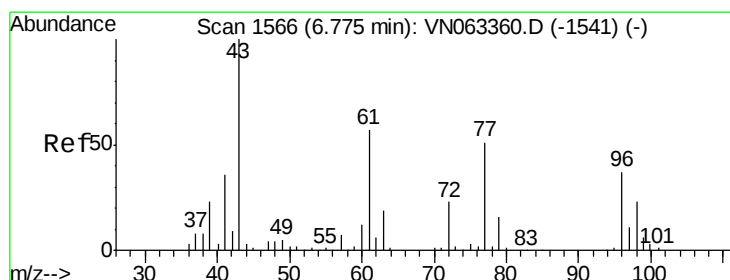
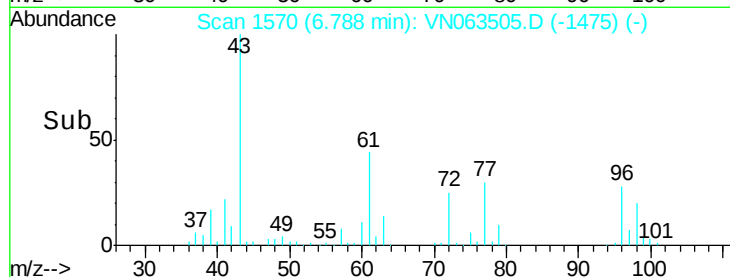
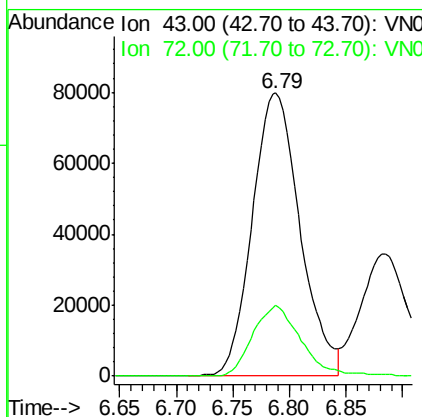
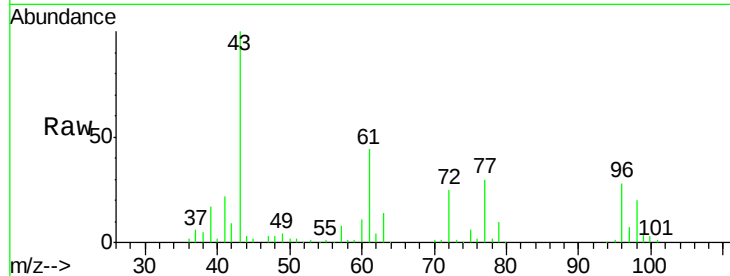
#25
2-Butanone
Concen: 103.333 ug/l
RT: 6.79 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion: 43 Resp: 232987
Ion Ratio Lower Upper
43 100
72 24.9 19.2 28.8

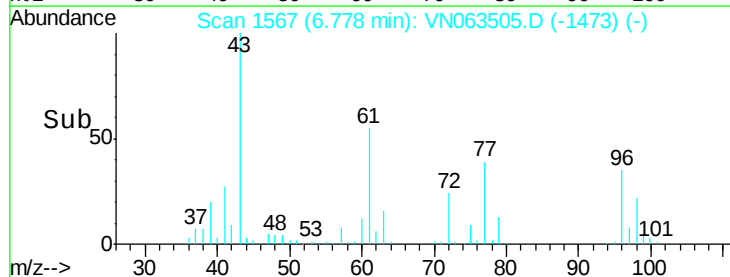
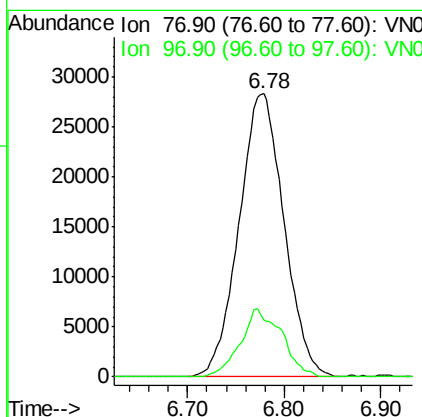
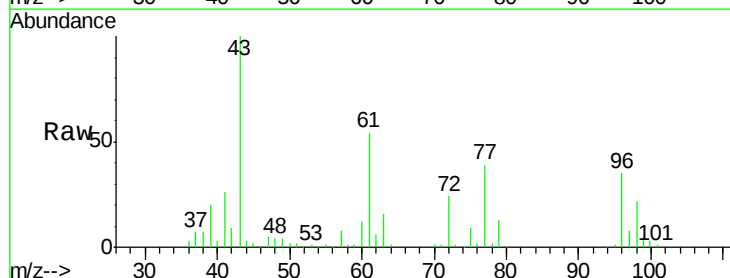
Manual Integrations
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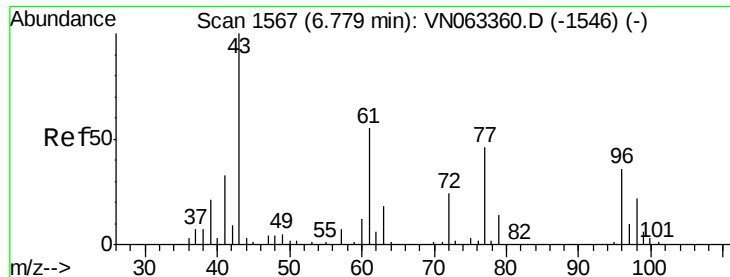
MMDadoda
9/22/2020 2:08:13 PM



#26
2,2-Dichloropropane
Concen: 15.583 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion: 77 Resp: 91379
Ion Ratio Lower Upper
77 100
97 22.1 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.277 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

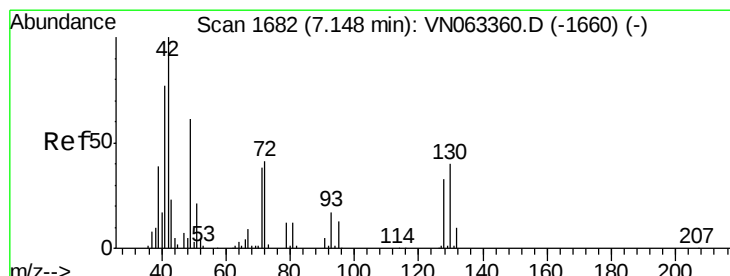
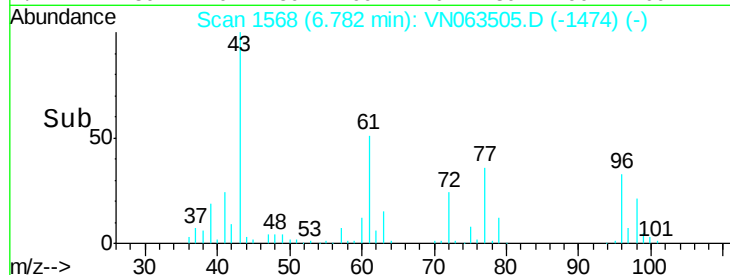
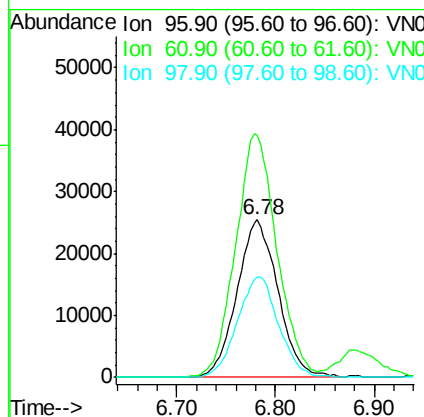
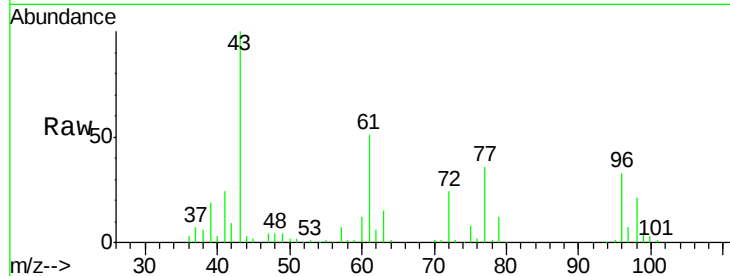
ClientSampleID :

VN0921WBSD02

Tot Ion:	96	Resp:	73104
Ion	Ratio	Lower	Upper
96	100		
61	156.1	0.0	319.6
98	64.2	0.0	127.8

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#28

Bromochloromethane

Concen: 18.665 ug/l

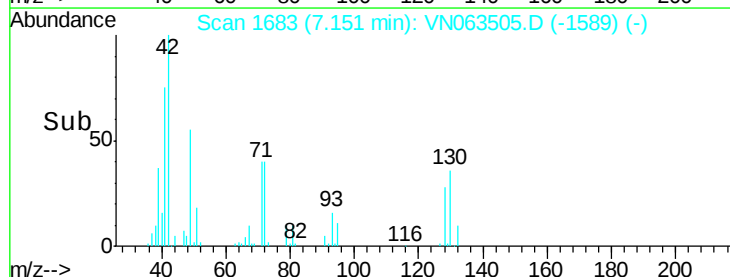
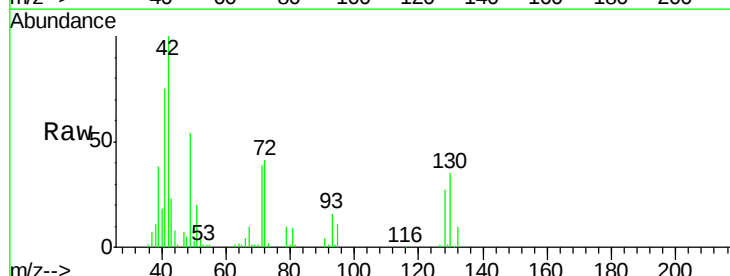
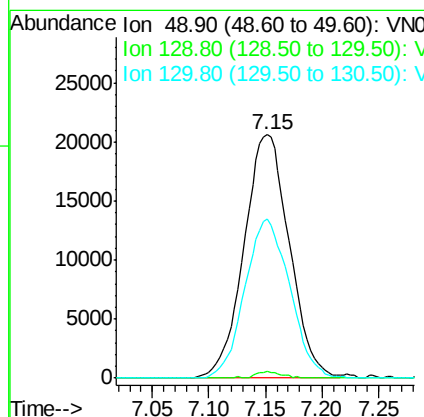
RT: 7.15 min Scan# 1683

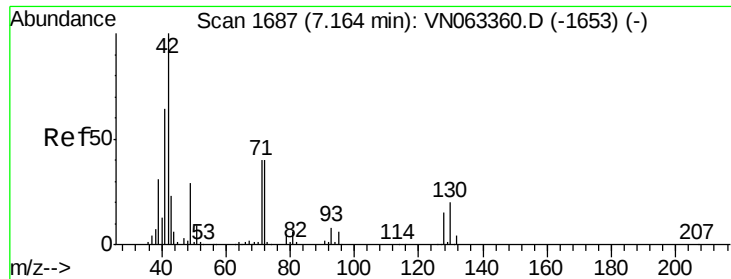
Delta R.T. 0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Tgt Ion:	49	Resp:	57400
Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	64.7	52.2	78.2





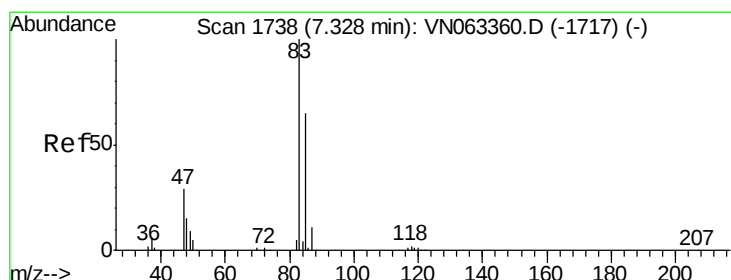
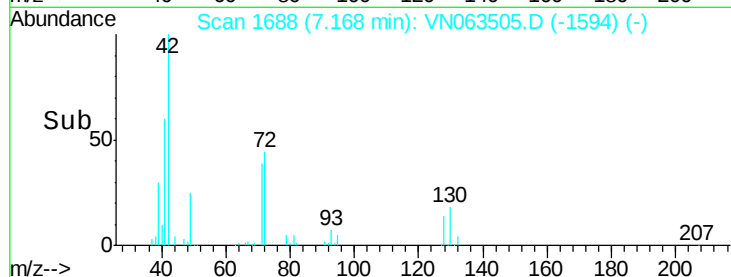
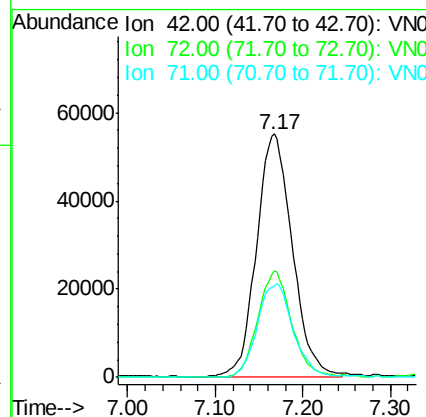
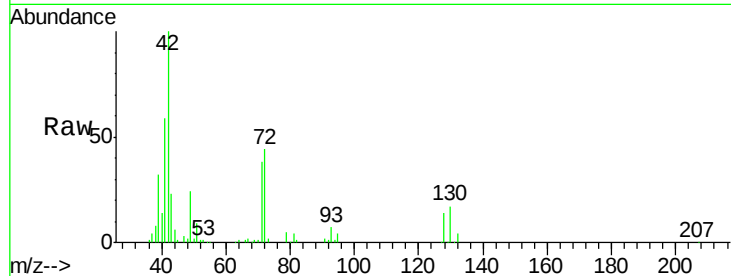
#29
Tetrahydrofuran
Concen: 102.102 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.1	48.1
71	38.5	31.2	46.8

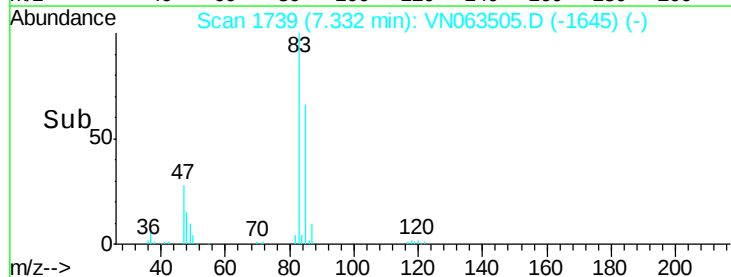
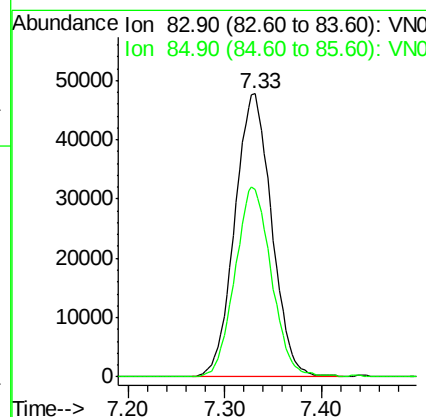
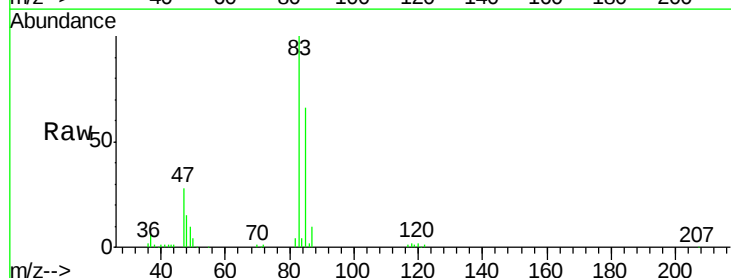
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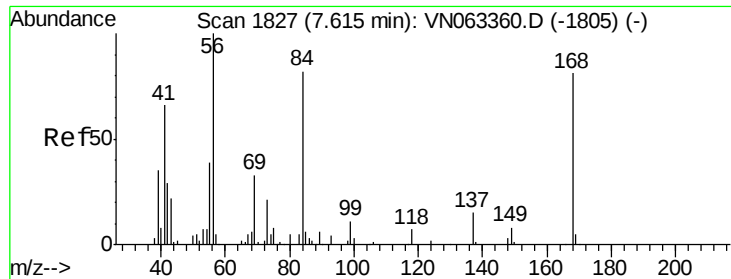
MMDadoda
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#30
Chloroform
Concen: 18.953 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.1	78.1





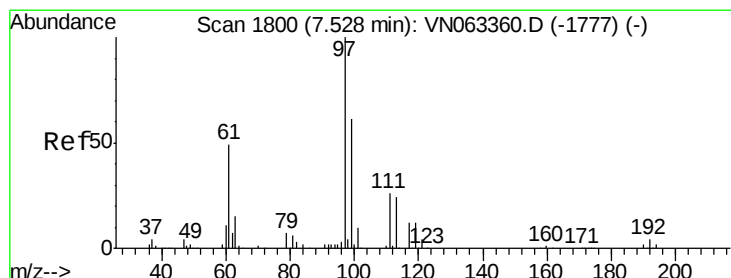
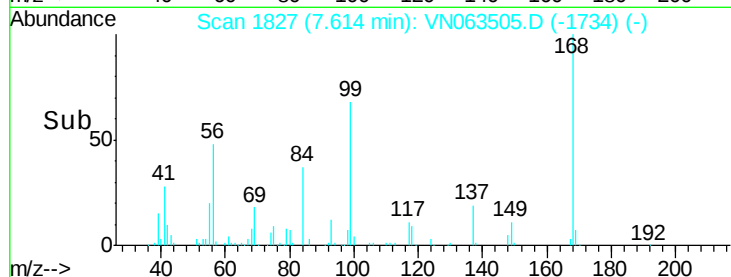
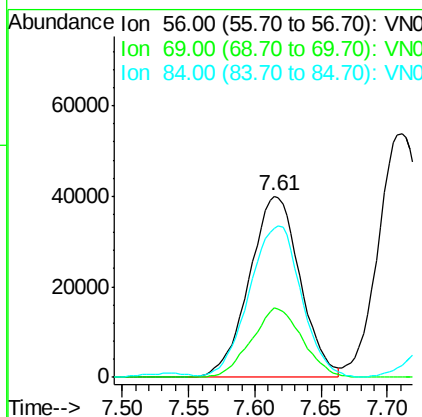
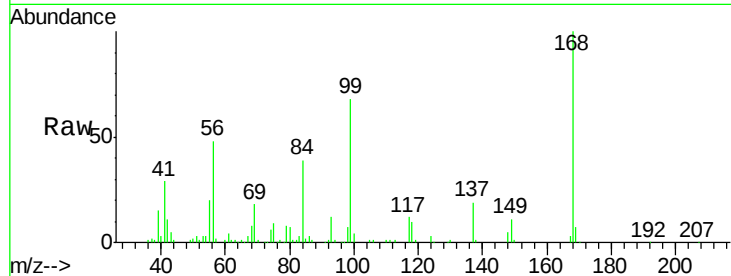
#31
Cyclohexane
Concen: 16.999 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.7	26.1	39.1
84	80.9	65.4	98.2

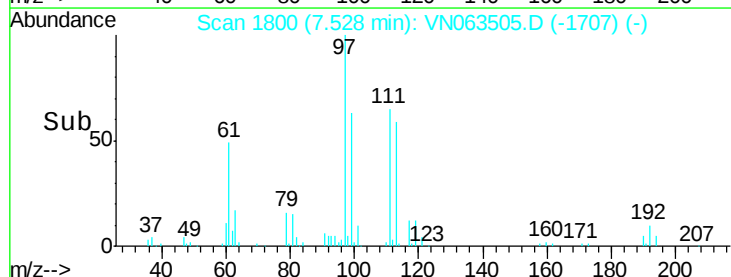
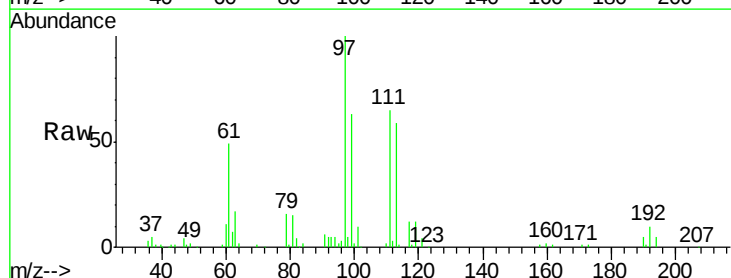
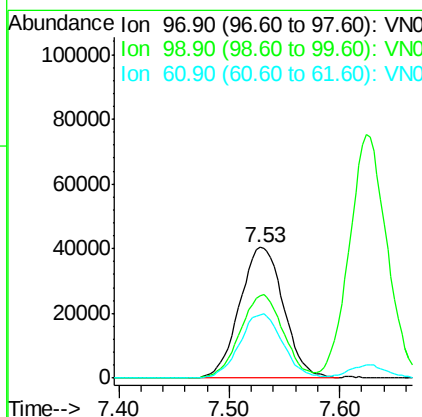
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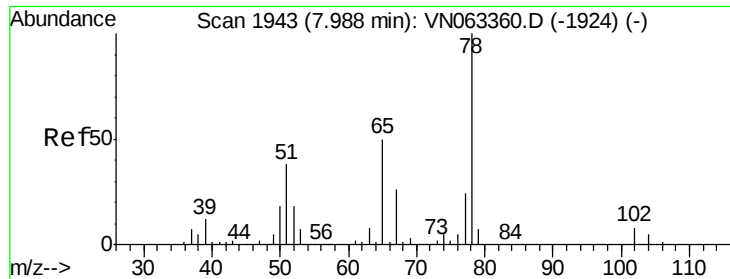
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#32
1,1,1-Trichloroethane
Concen: 18.797 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	50.6	76.0
61	47.9	39.2	58.8





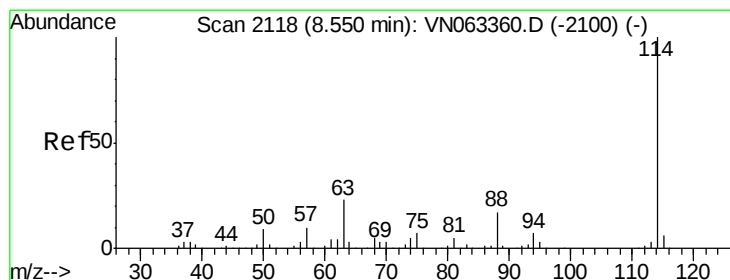
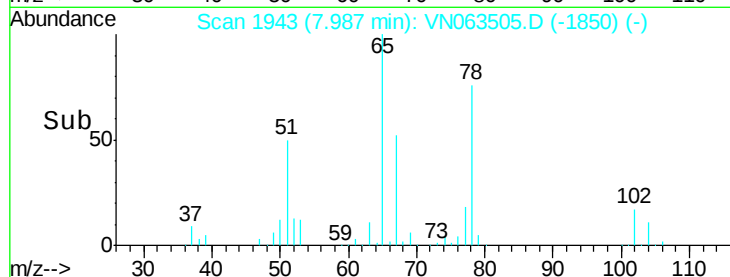
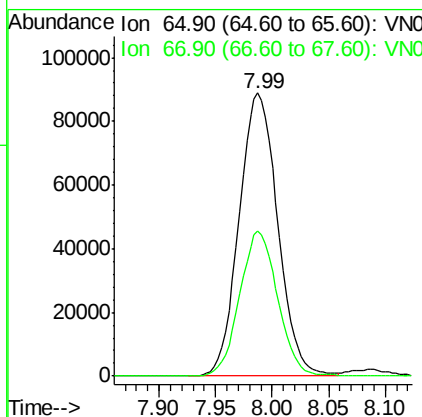
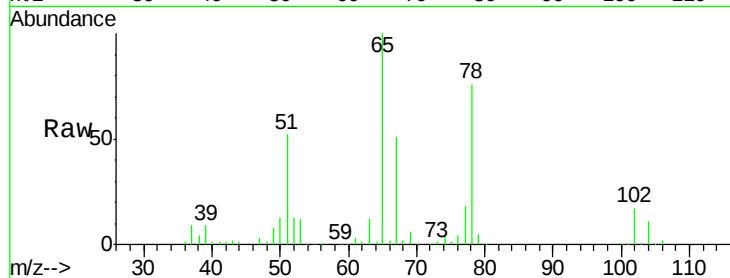
#33
 1,2-Dichloroethane-d4
 Concen: 46.375 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	211546		
67	50.5	0.0	104.2	

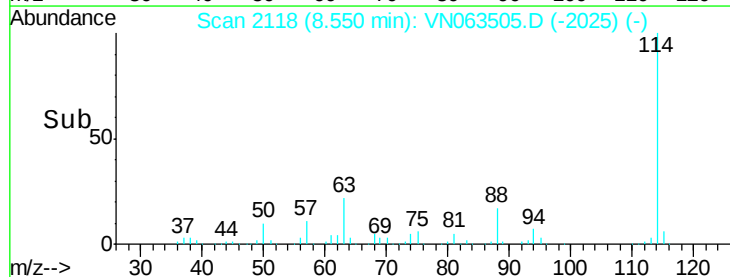
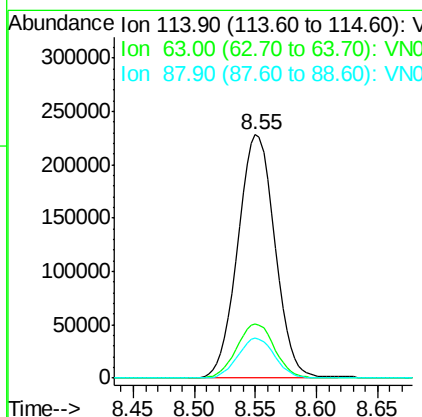
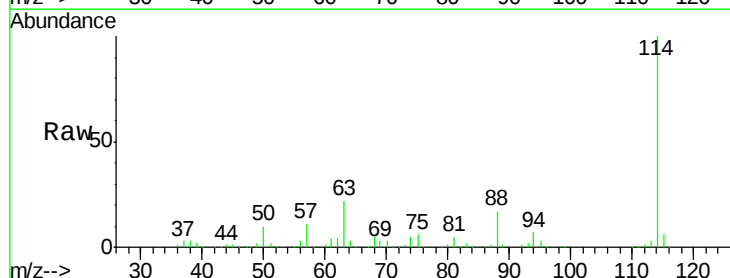
Manual Integrations
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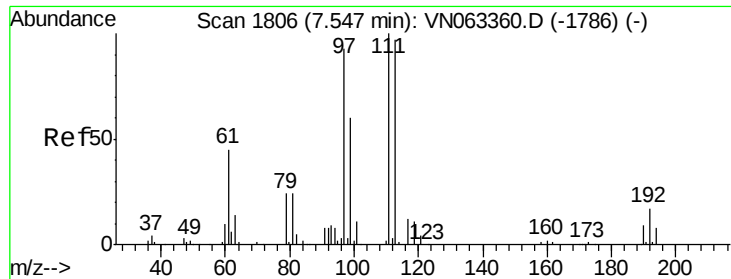
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	479564		
63	22.3	0.0	46.4	
88	16.6	0.0	33.2	





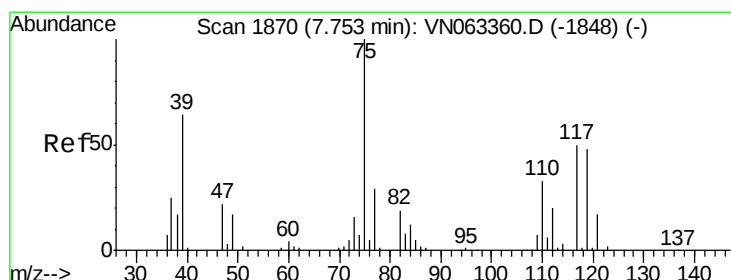
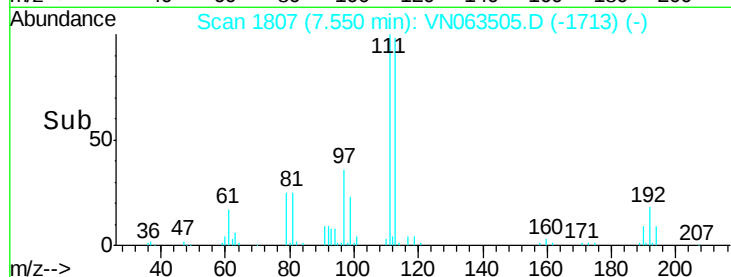
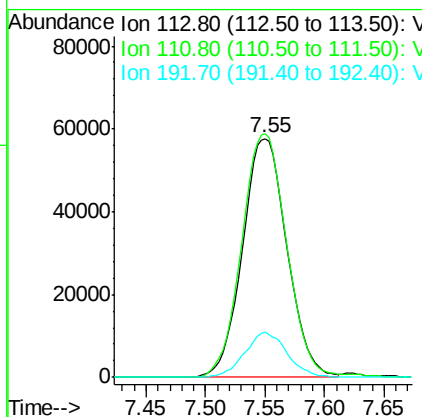
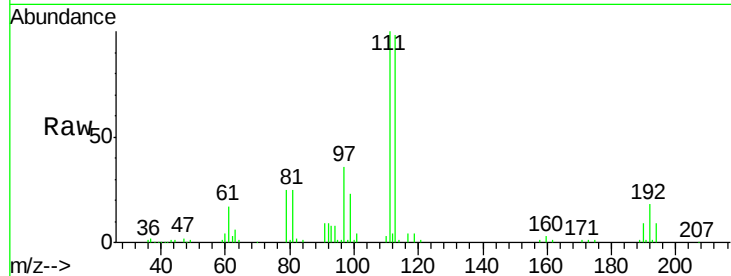
#35
 Dibromofluoromethane
 Concen: 44.888 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	149024		
111	104.0	82.9	124.3	
192	18.1	13.9	20.9	

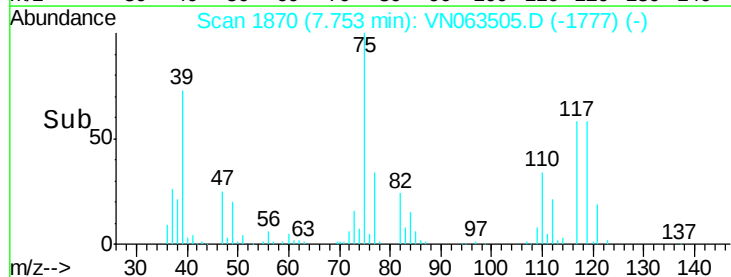
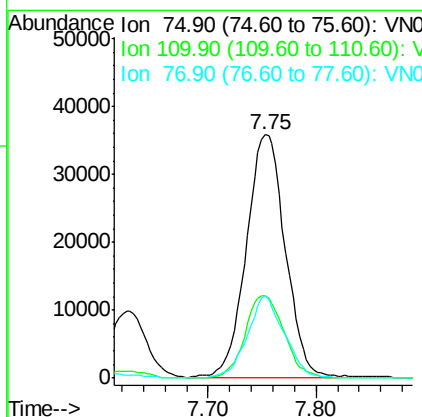
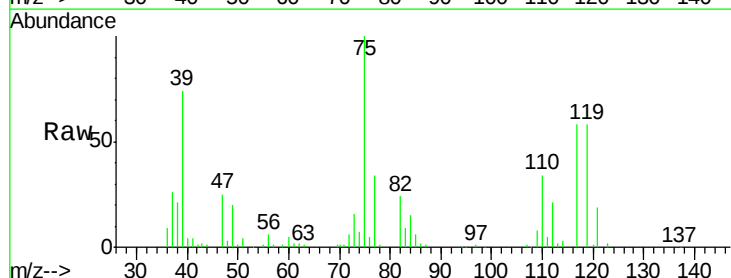
Manual Integrations
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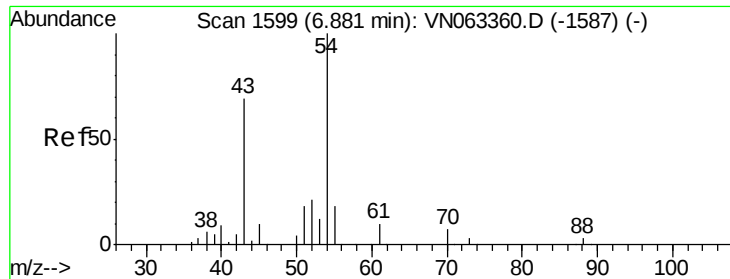
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#36
 1,1-Dichloropropene
 Concen: 17.666 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	90255		
110	33.7	16.5	49.5	
77	31.9	24.6	36.8	





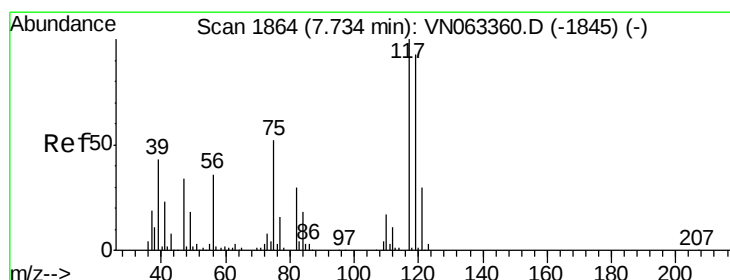
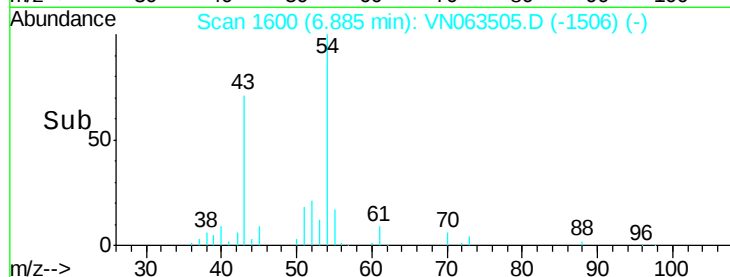
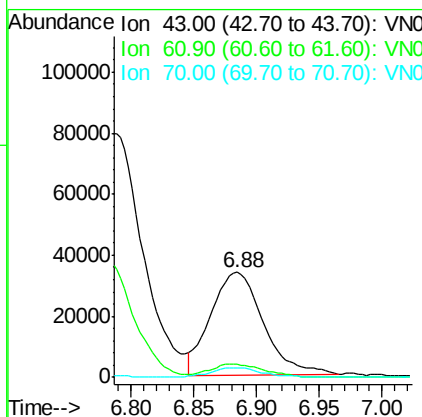
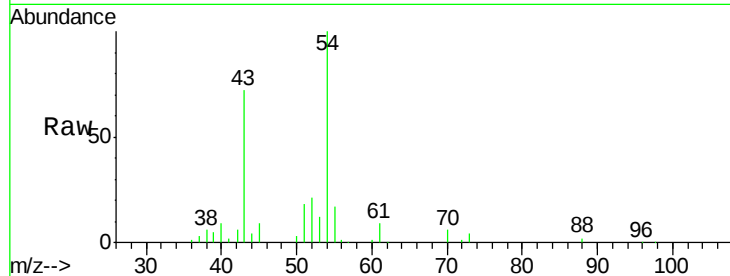
#37
Ethyl Acetate
Concen: 19.482 ug/l
RT: 6.88 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.6	15.8
70	9.1	7.2	10.8

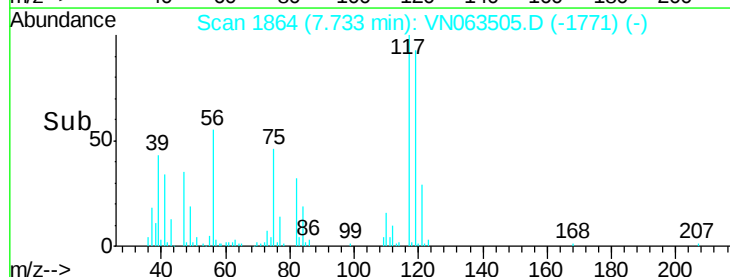
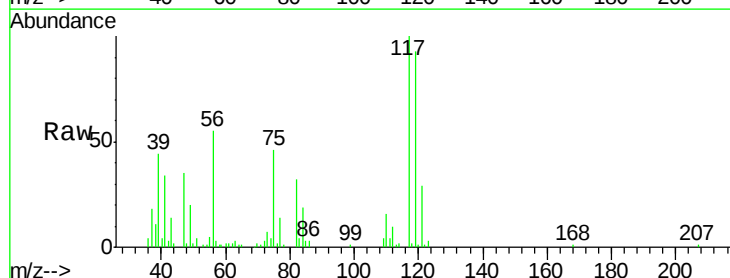
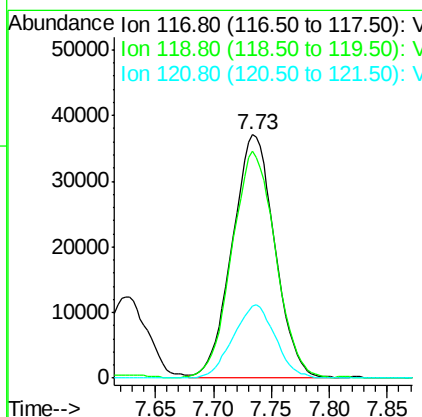
Manual Integrations
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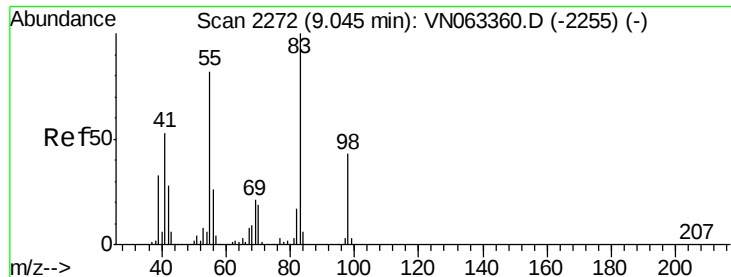
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#38
Carbon Tetrachloride
Concen: 18.148 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	74.5	111.7
121	29.4	24.1	36.1





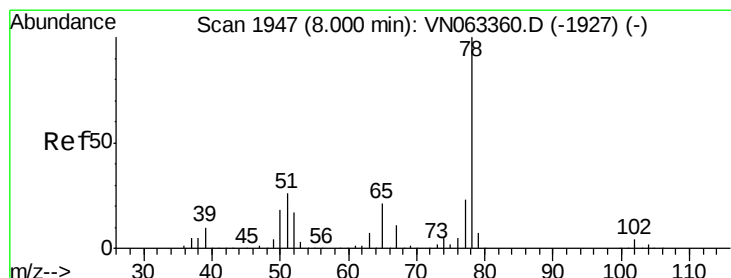
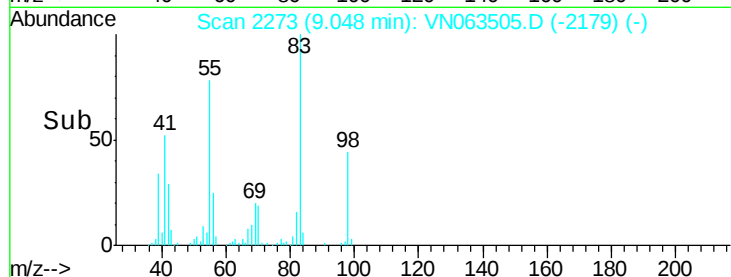
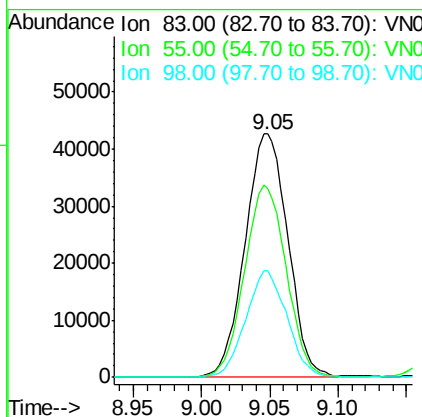
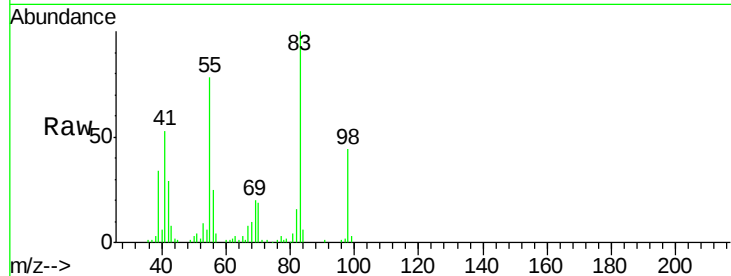
#39
Methvlcvclohexane
Concen: 16.762 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.7	65.5	98.3
98	43.8	34.2	51.4

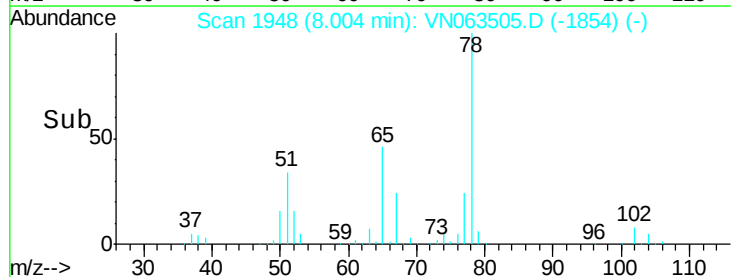
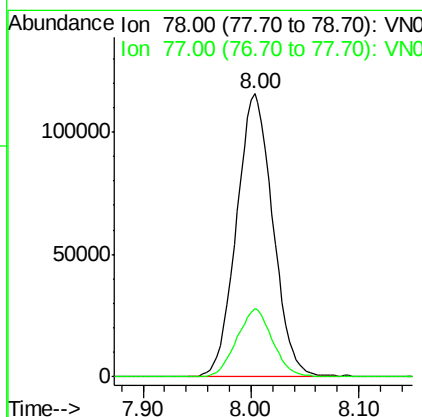
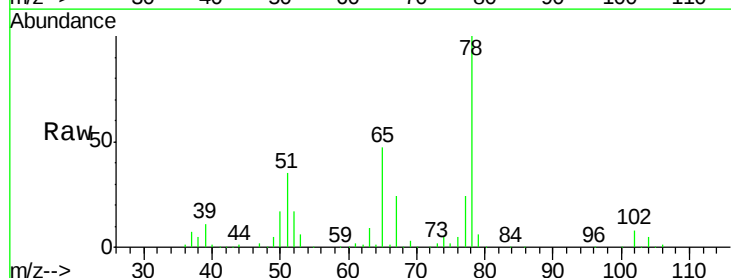
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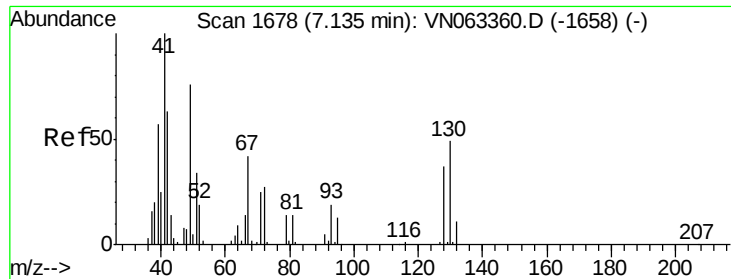
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#40
Benzene
Concen: 18.600 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





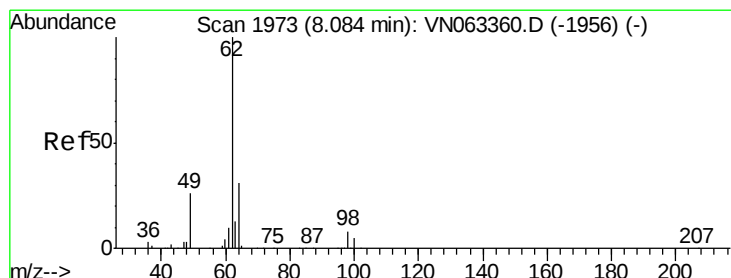
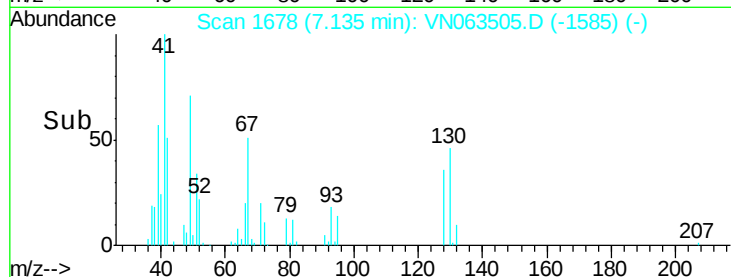
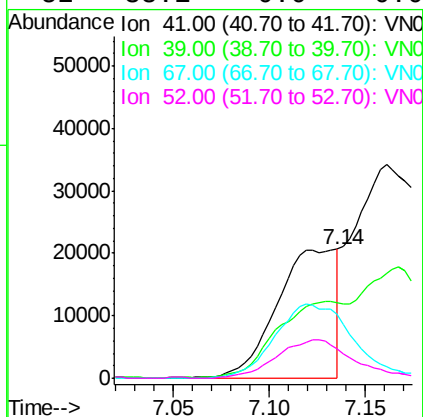
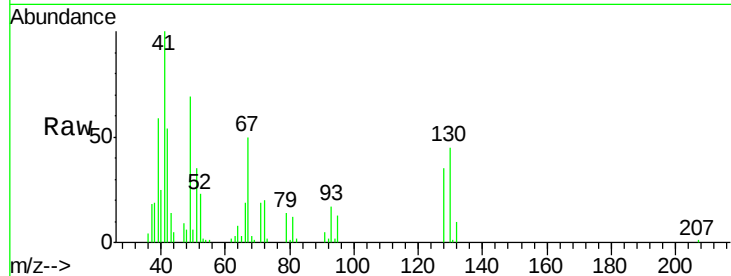
#41
Methacrylonitrile
Concen: 19.952 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	41	Resp	44997
Ion	Ratio	Lower	Upper
41	100		
39	70.3	0.0	0.0#
67	75.2	0.0	0.0#
52	38.1	0.0	0.0#

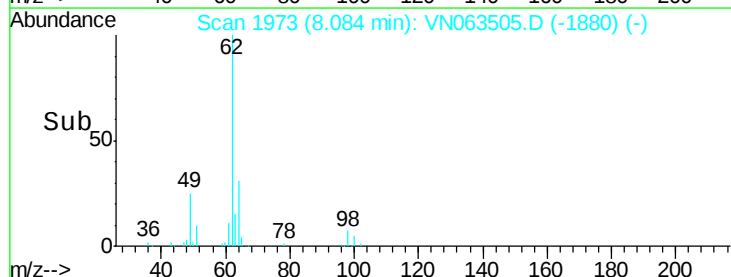
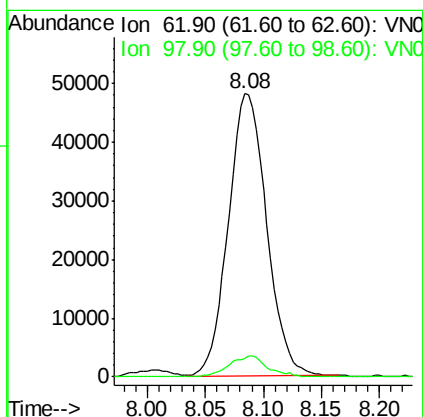
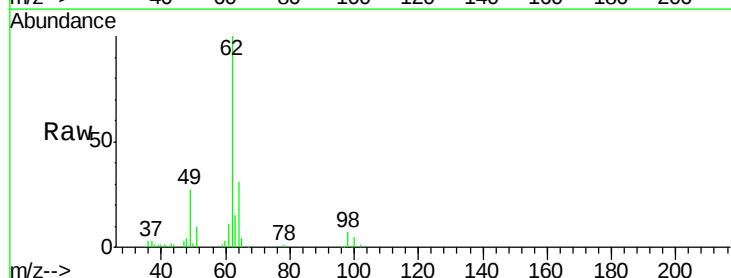
Manual Integrations
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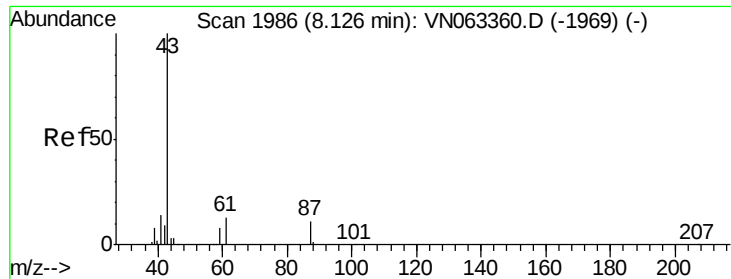
MMDadoda
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#42
1,2-Dichloroethane
Concen: 18.824 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	62	Resp	110403
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	15.6





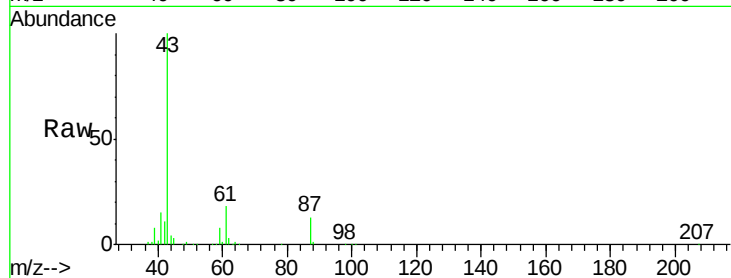
#43
Isopropyl Acetate
Concen: 18.734 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleID :
VN0921WBSD02

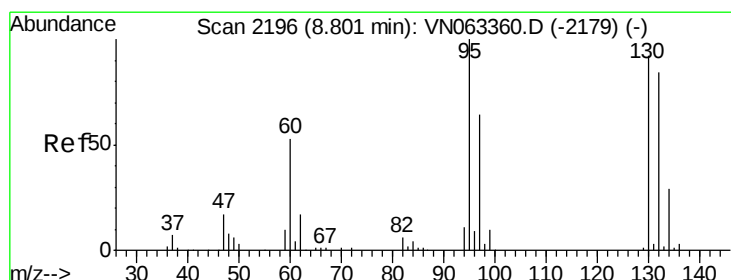
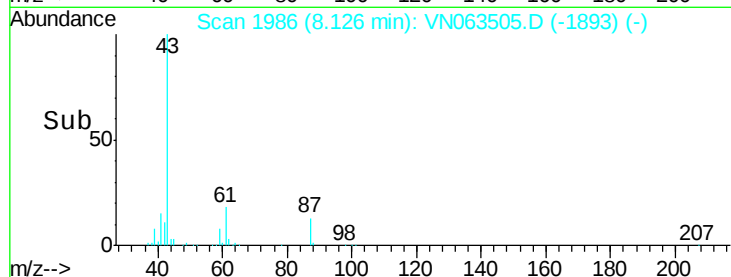
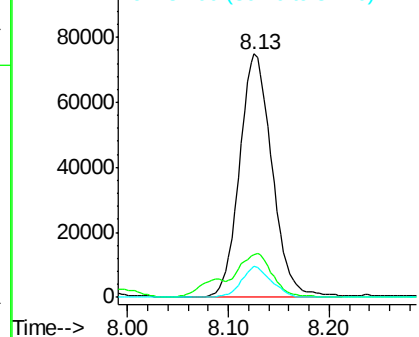
Tot Ion	43	Resp	167969
Ion	Ratio	Lower	Upper
43	100		
61	17.9	14.2	21.2
87	11.6	9.0	13.6

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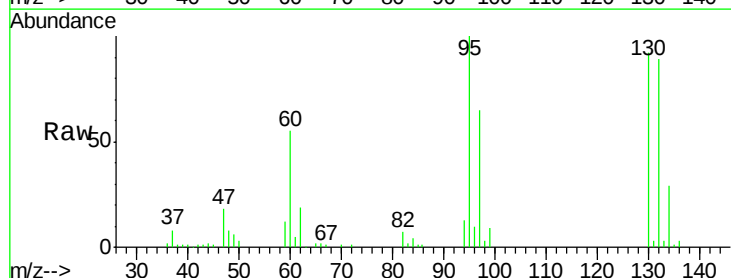


Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1969) (-)
Ion 61.00 (60.70 to 61.70): VN063360.D (-1969) (-)
Ion 87.00 (86.70 to 87.70): VN063360.D (-1969) (-)

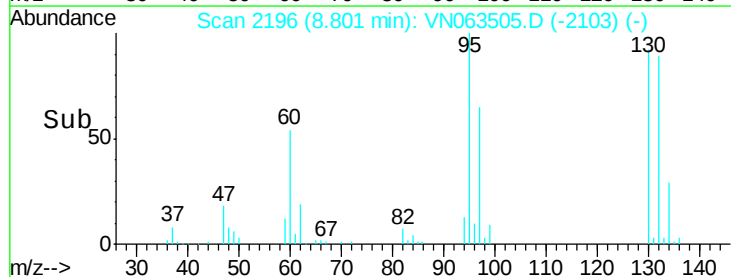
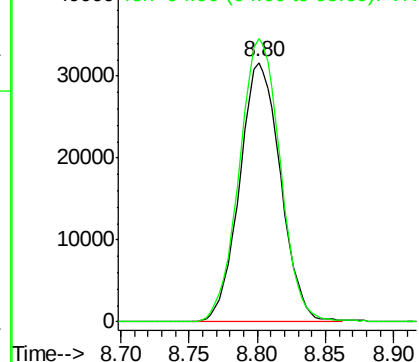


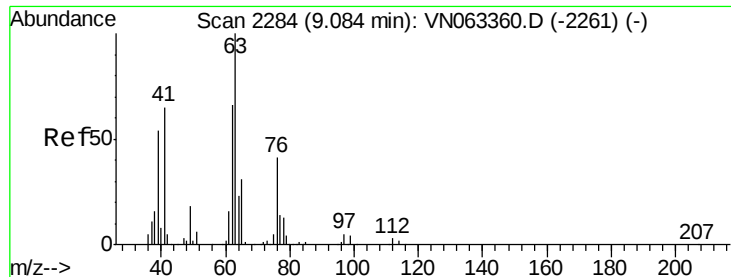
#44
Trichloroethene
Concen: 18.682 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	130	Resp	66085
Ion	Ratio	Lower	Upper
130	100		
95	109.0	0.0	217.4



Abundance Ion 129.80 (129.50 to 130.50): VN063360.D (-2179) (-)
Ion 94.90 (94.60 to 95.60): VN063360.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.058 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 63 Resp: 75702

Ion Ratio Lower Upper

63 100

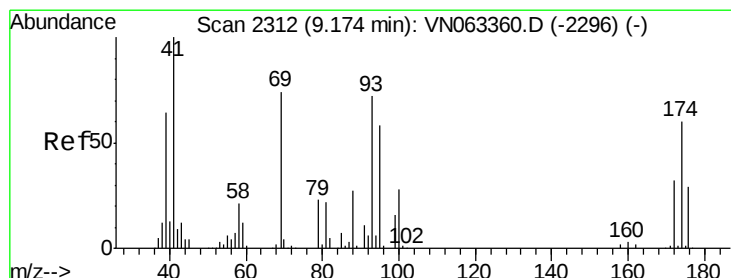
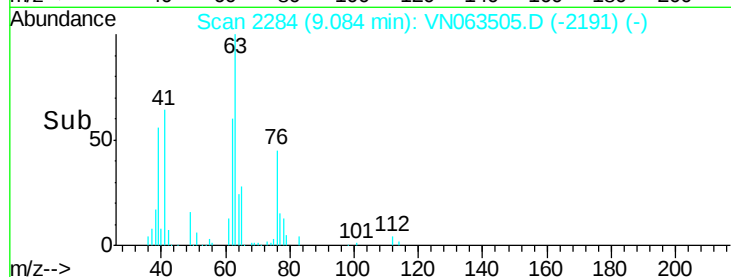
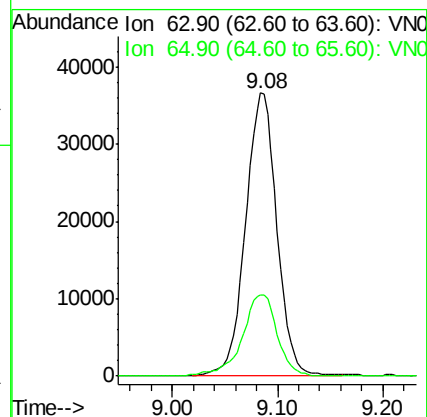
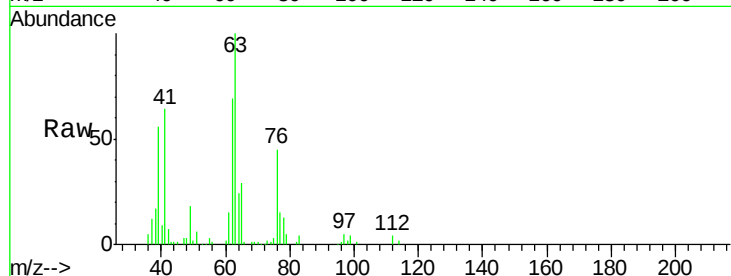
65 28.9 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 19.268 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

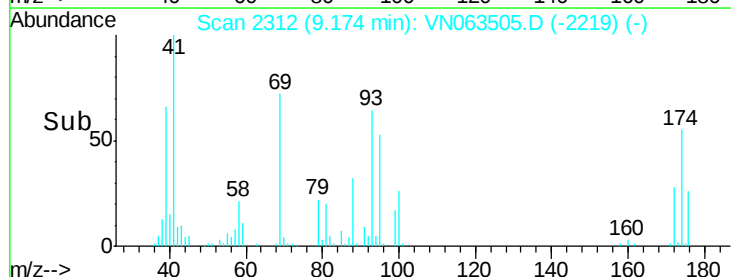
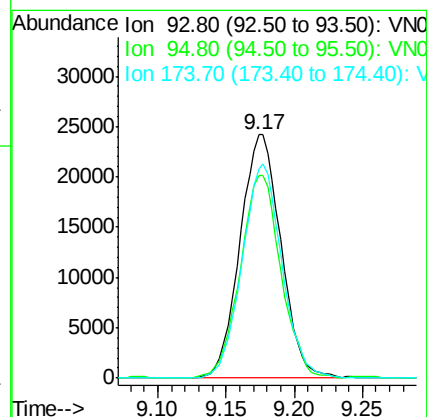
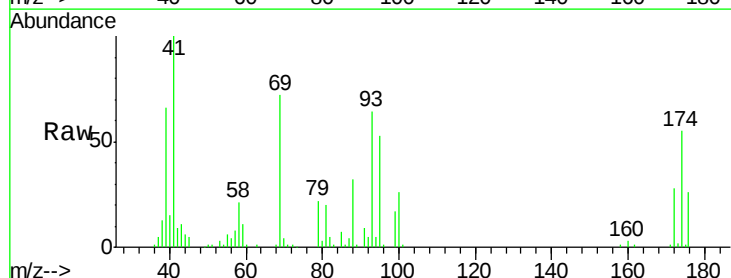
Tgt Ion: 93 Resp: 50305

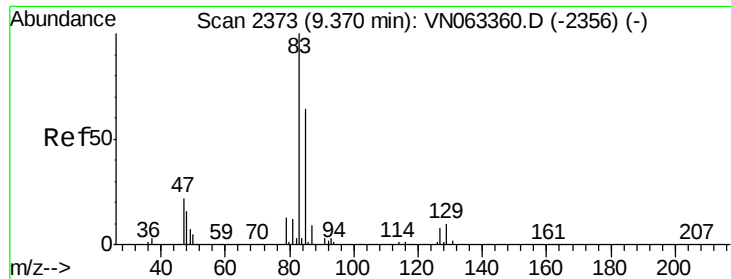
Ion Ratio Lower Upper

93 100

95 83.1 65.6 98.4

174 85.7 68.1 102.1





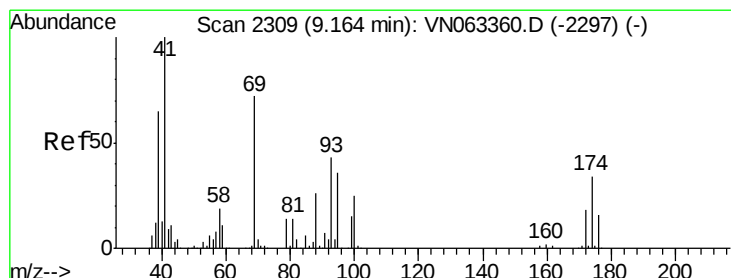
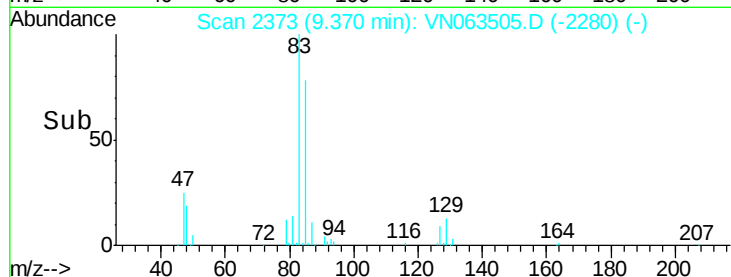
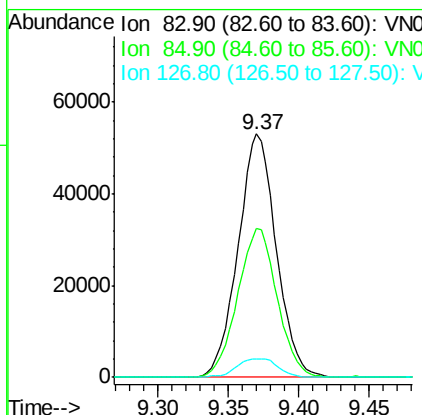
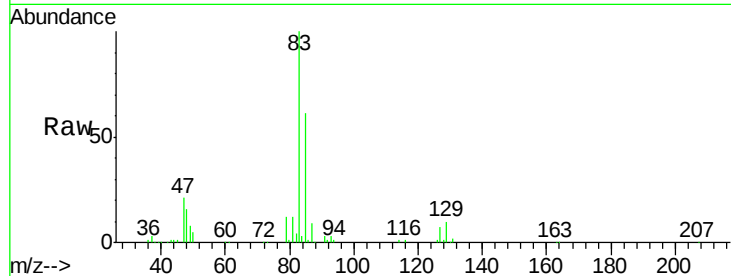
#47
Bromodichloromethane
Concen: 18.577 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	83	Resp	100756
Ion Ratio	100	Lower	Upper
83	100		
85	61.3	51.0	76.6
127	7.5	6.3	9.5

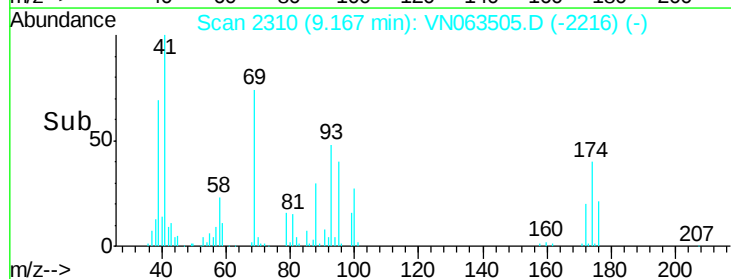
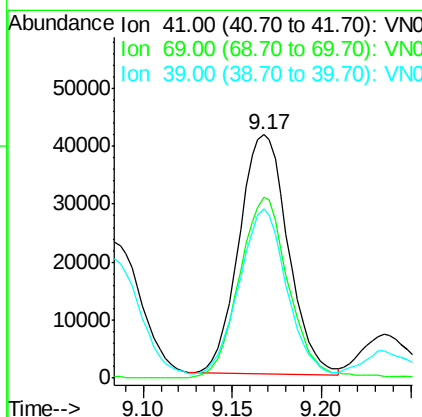
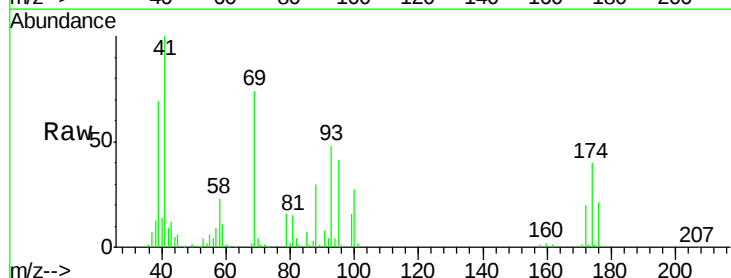
Manual Integrations
APPROVED

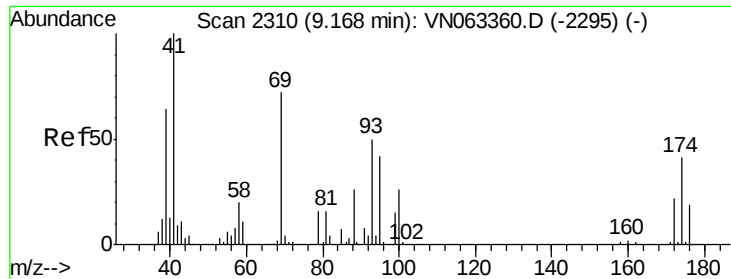
MMDadoda
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#48
Methyl methacrylate
Concen: 17.934 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	41	Resp	79000
Ion Ratio	100	Lower	Upper
41	100		
69	76.7	59.3	88.9
39	69.4	52.9	79.3





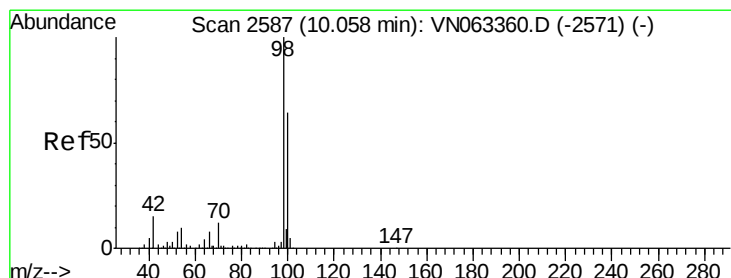
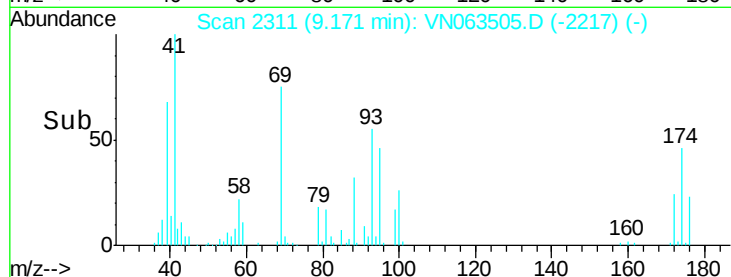
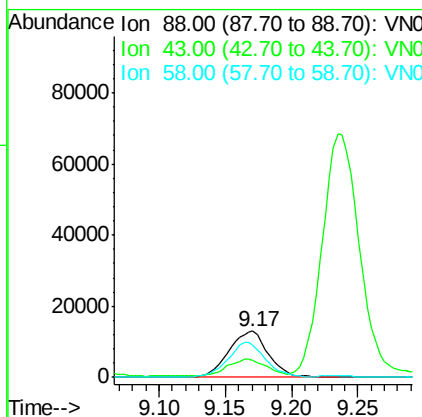
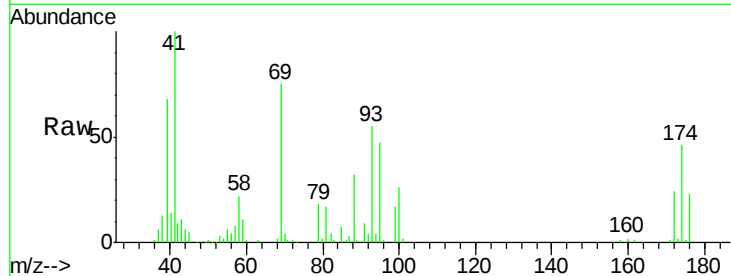
#49
1,4-Dioxane
Concen: 425.681 ug/l
RT: 9.17 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	88	Resp	26910
Ion Ratio	Lower	Upper	
88	100		
43	36.3	32.6	49.0
58	71.7	60.0	90.0

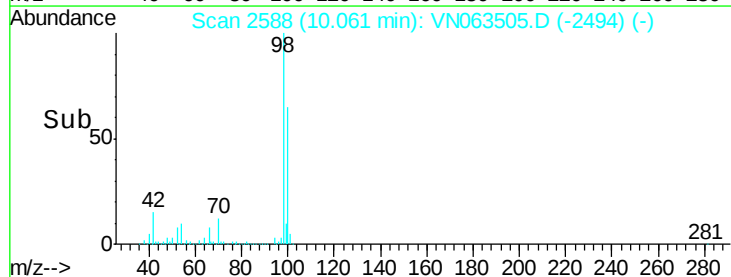
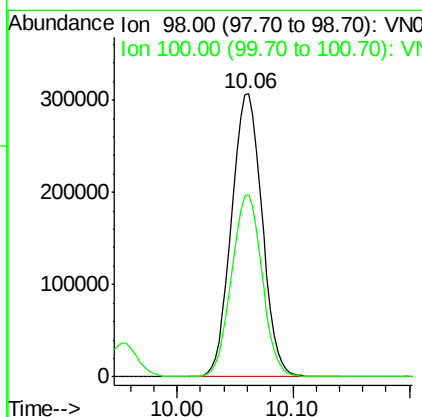
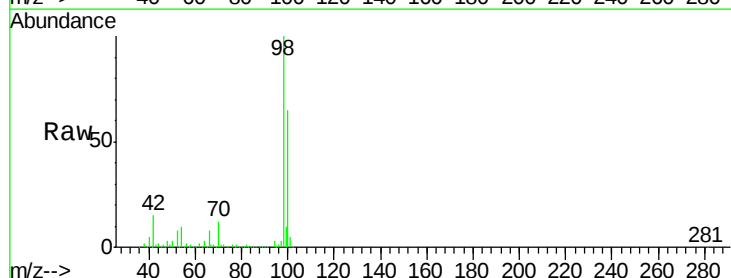
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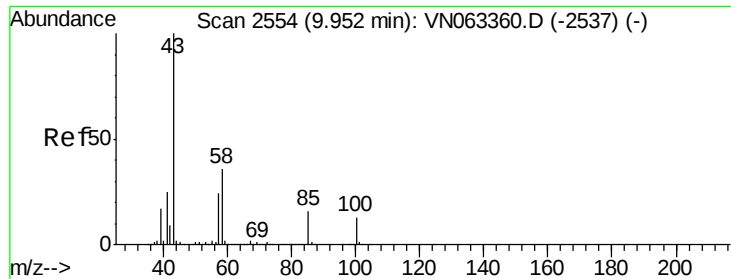
MMDadoda
9/22/2020 2:08:13 PM



#50
Toluene-d8
Concen: 44.973 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	98	Resp	561422
Ion Ratio	Lower	Upper	
98	100		
100	63.9	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 100.799 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 43 Resp: 505968

Ion Ratio Lower Upper

43 100

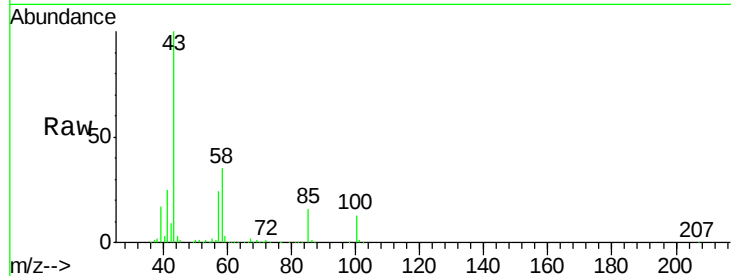
58 35.4 29.0 43.6

Manual Integrations

APPROVED

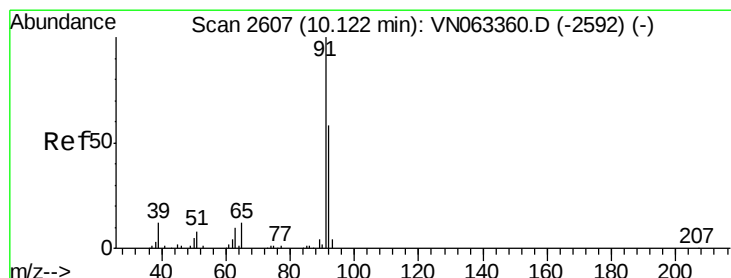
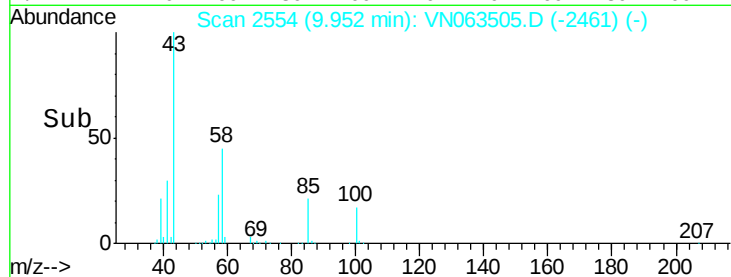
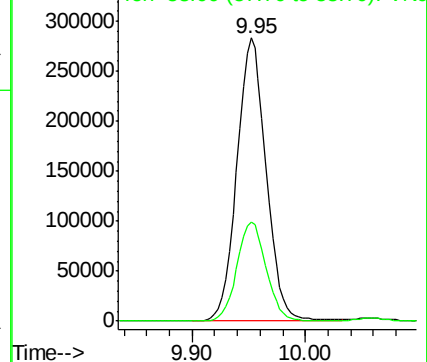
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 18.987 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063505.D

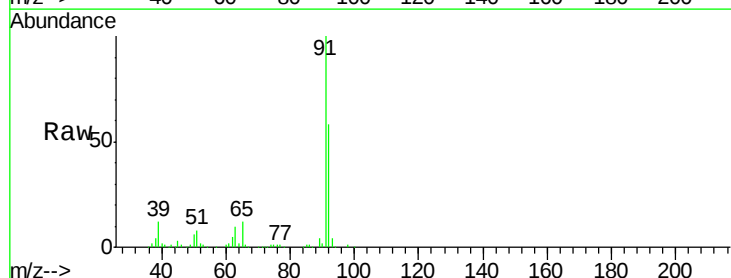
Acq: 22 Sep 2020 00:05

Tgt Ion: 92 Resp: 166490

Ion Ratio Lower Upper

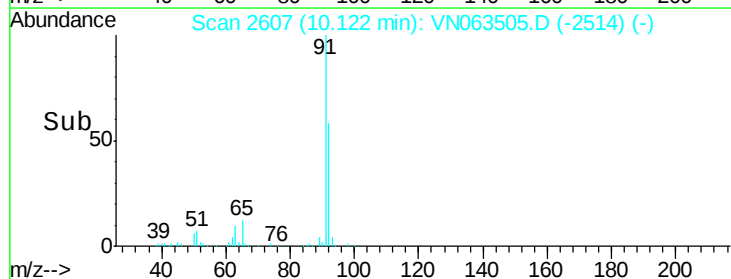
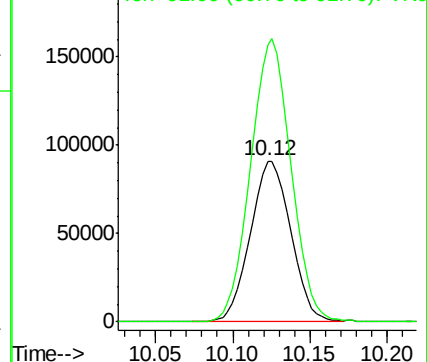
92 100

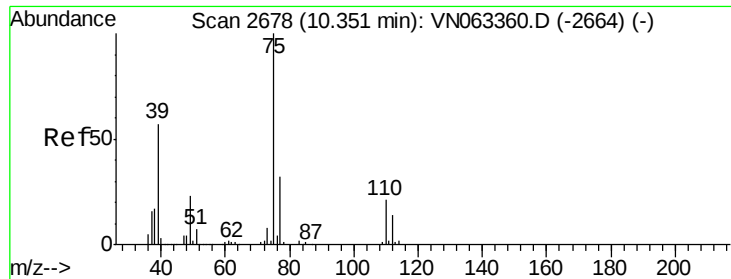
91 175.4 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





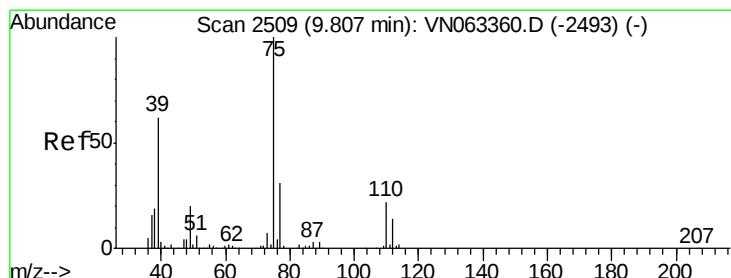
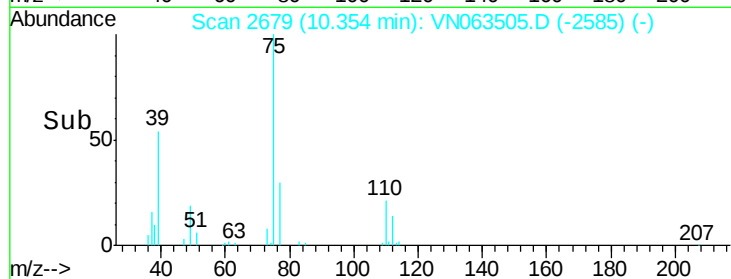
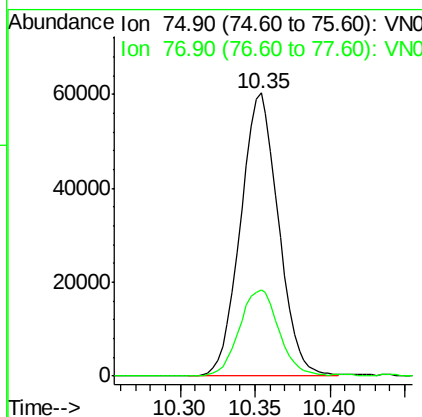
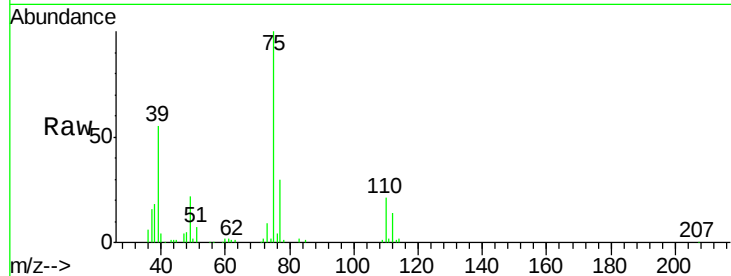
#53
t-1,3-Dichloropropene
Concen: 17.614 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.4	38.2

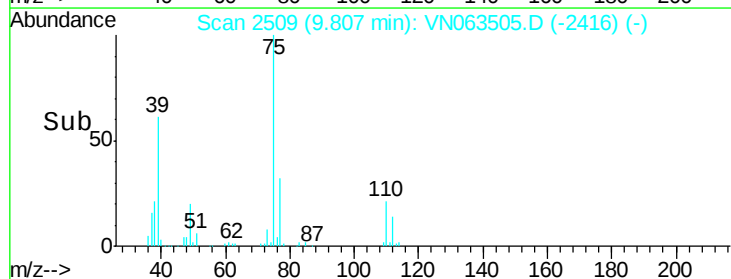
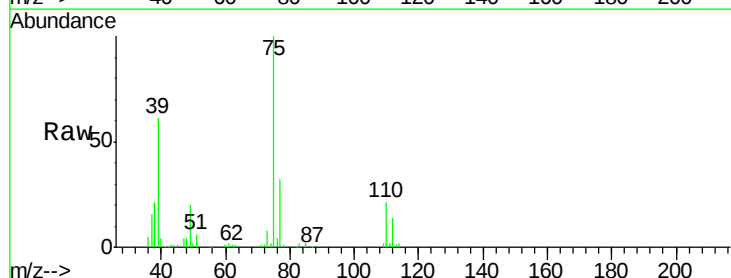
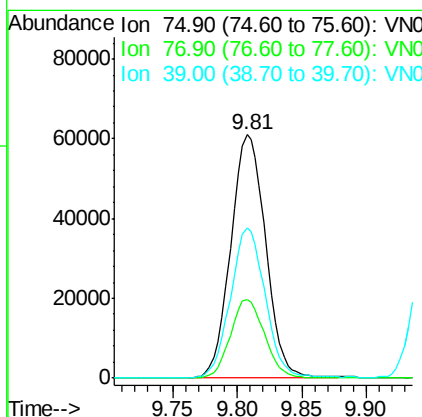
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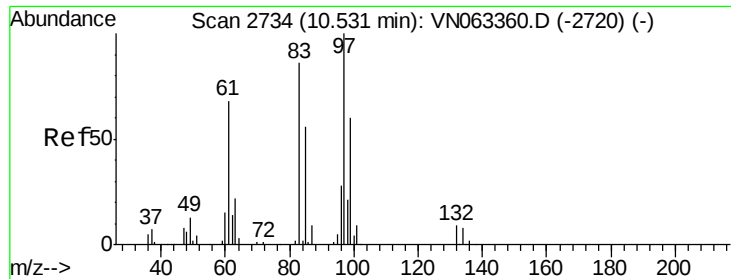
MMDadoda
9/22/2020 2:08:13 PM



#54
cis-1,3-Dichloropropene
Concen: 17.983 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.6	37.0
39	61.0	49.8	74.8





#55

1,1,2-Trichloroethane

Concen: 19.712 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

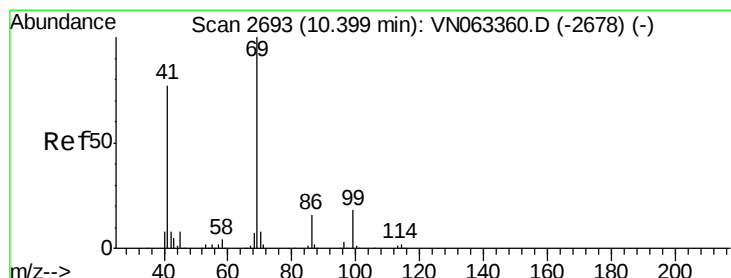
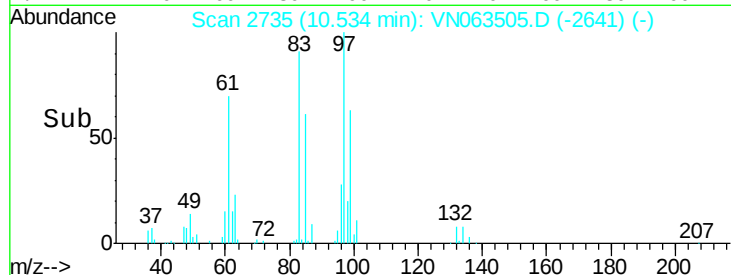
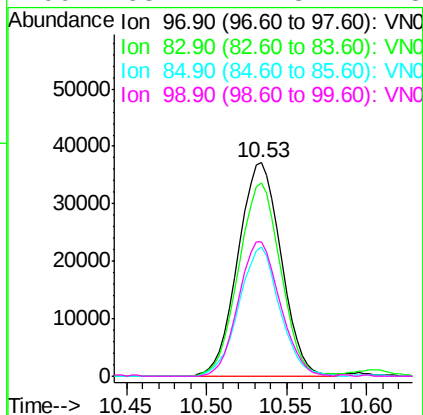
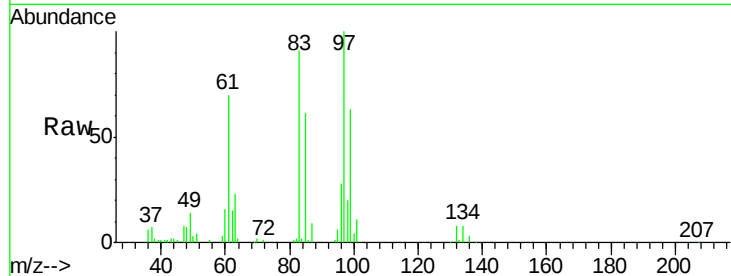
ClientSampleId :

VN0921WBSD02

Tot Ion:	97	Resp:	68655
Ion	Ratio	Lower	Upper
97	100		
83	90.7	68.9	103.3
85	60.6	44.8	67.2
99	63.2	47.8	71.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.404 ug/l

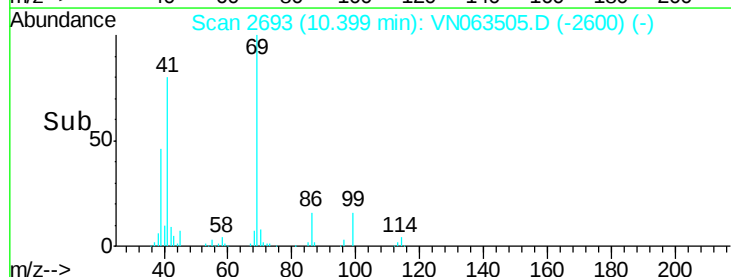
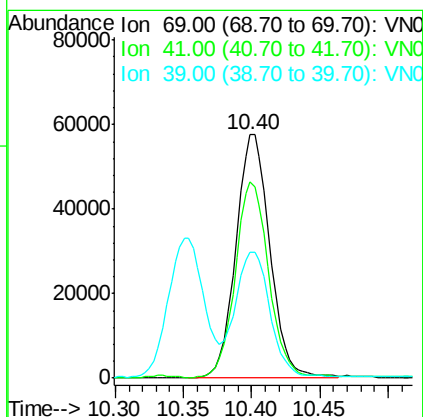
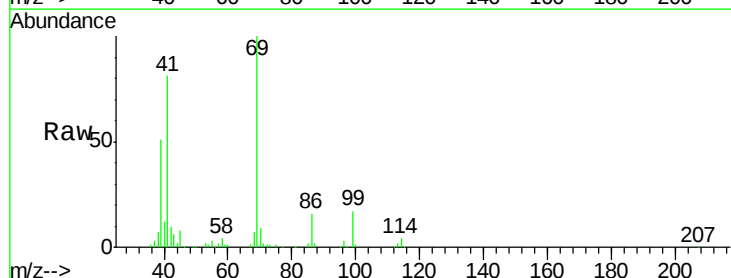
RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Tgt Ion:	69	Resp:	100068
Ion	Ratio	Lower	Upper
69	100		
41	78.1	61.0	91.6
39	50.9	39.2	58.8





#57

1,3-Dichloropropane

Concen: 18.480 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

ClientSampled :

VN0921WBSD02

Tot Ion: 76 Resp: 116073

Ion Ratio Lower Upper

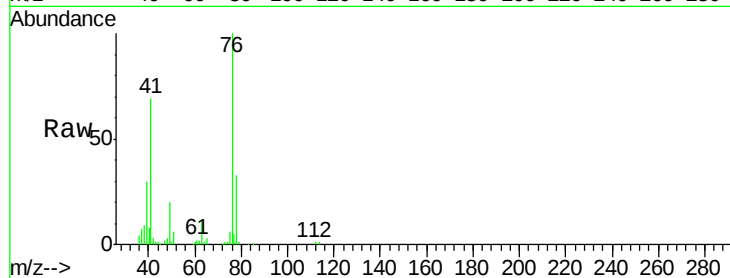
76 100

78 33.2 25.8 38.8

Manual Integrations
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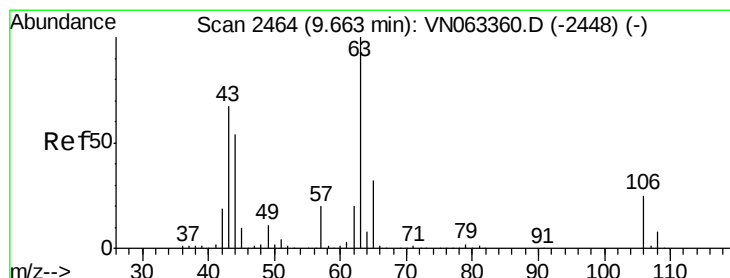
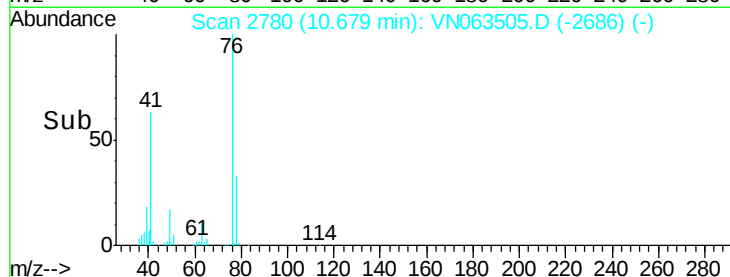
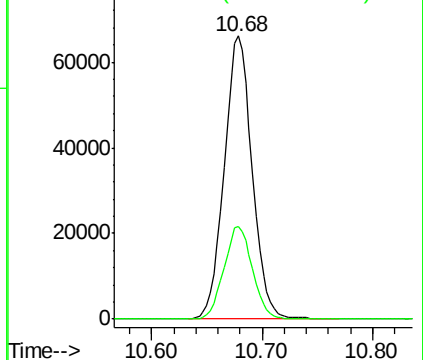
MMDadoda

9/22/2020 2:08:13 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 89.508 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063505.D

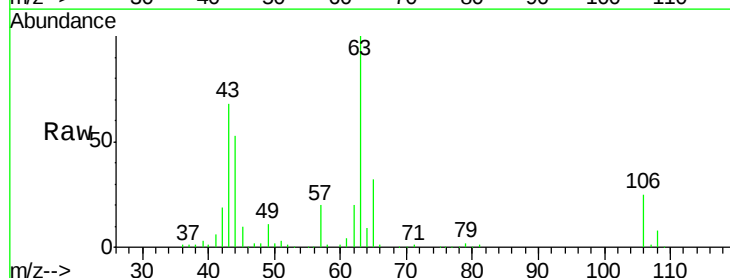
Acq: 22 Sep 2020 00:05

Tgt Ion: 63 Resp: 255306

Ion Ratio Lower Upper

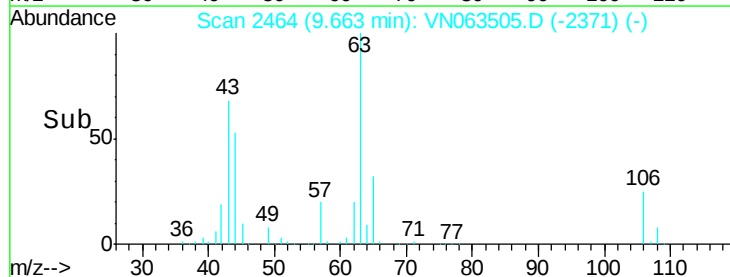
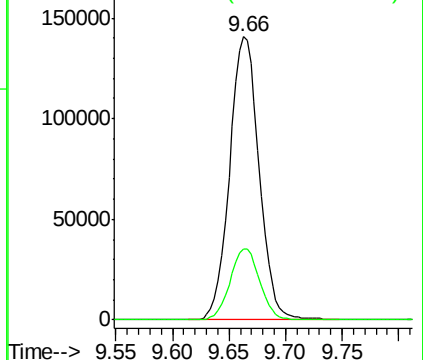
63 100

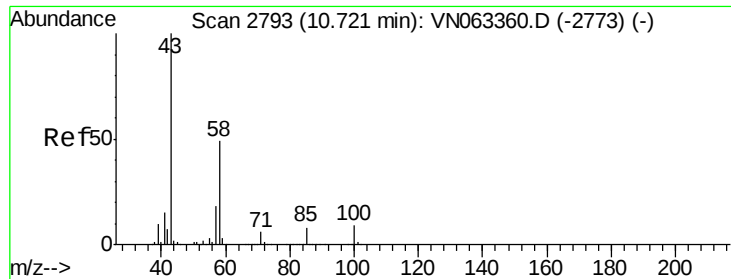
106 25.3 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





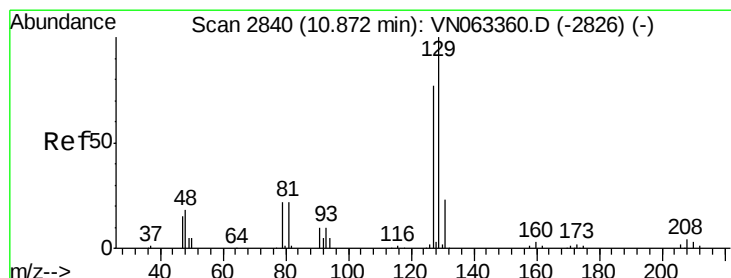
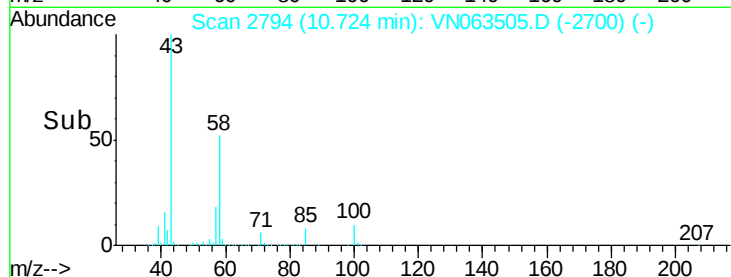
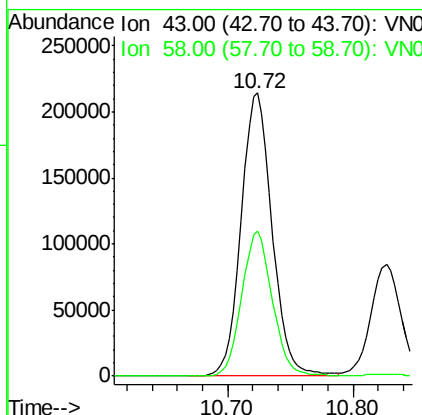
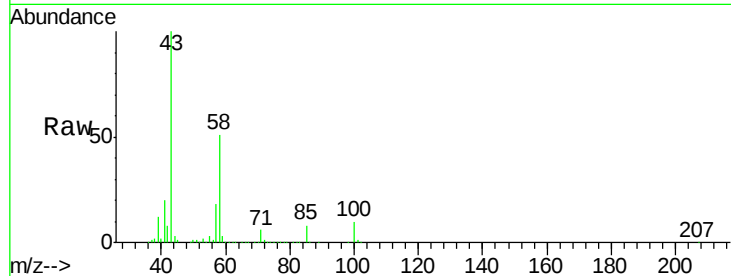
#59
2-Hexanone
Concen: 100.901 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion: 43 Resp: 366930
Ion Ratio Lower Upper
43 100
58 50.7 24.7 74.1

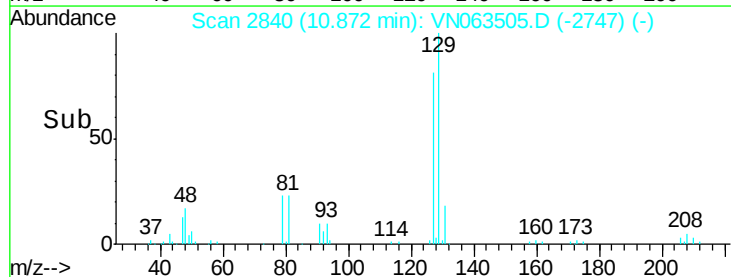
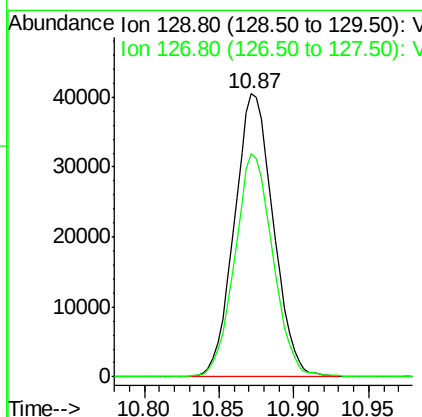
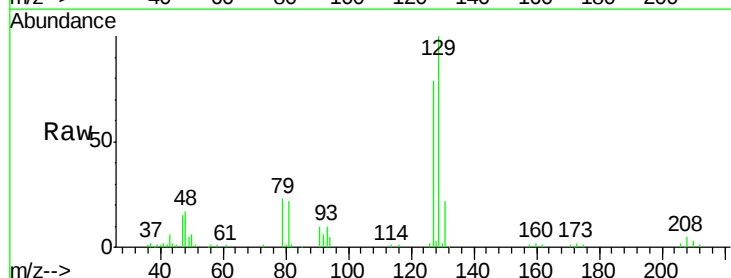
Manual Integrations
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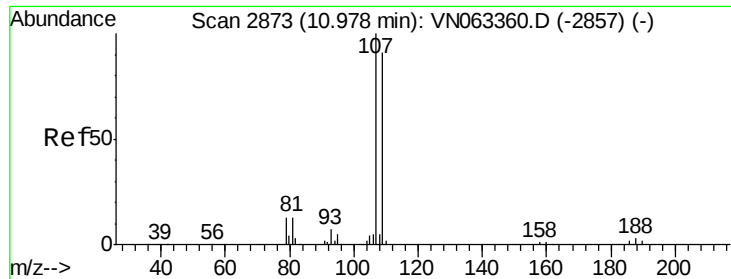
MMDadoda
9/22/2020 2:08:13 PM



#60
Dibromochloromethane
Concen: 18.604 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion: 129 Resp: 73203
Ion Ratio Lower Upper
129 100
127 77.2 39.1 117.3





#61

1,2-Dibromoethane

Concen: 19.290 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion:107 Resp: 69802

Ion Ratio Lower Upper

107 100

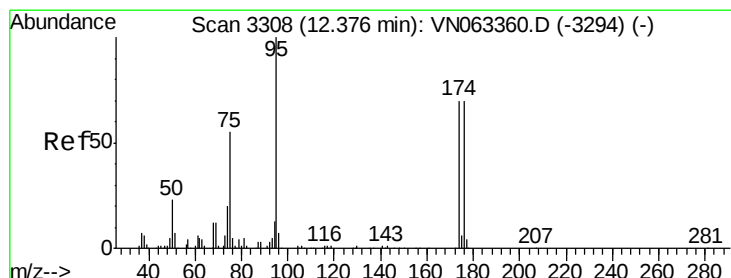
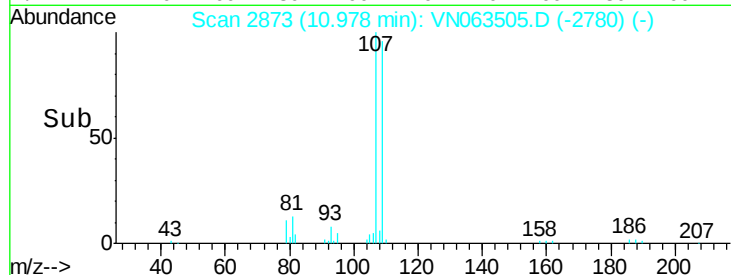
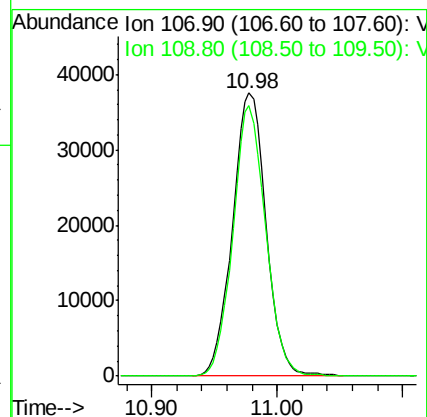
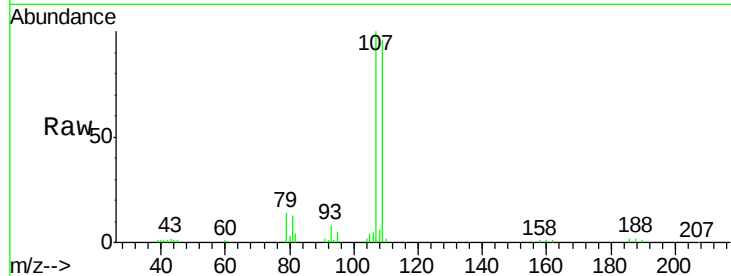
109 92.9 74.6 111.8

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 45.920 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

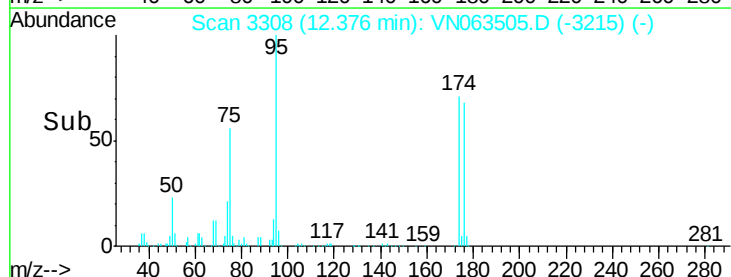
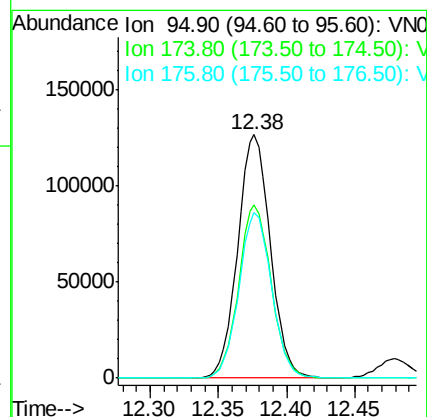
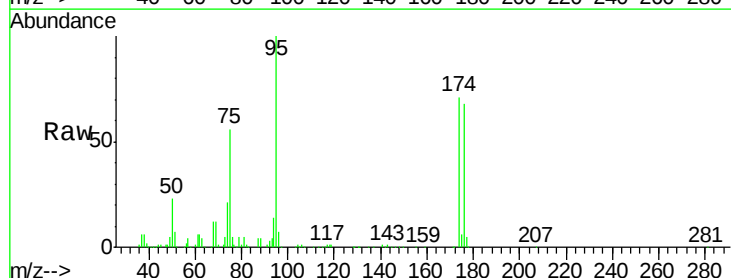
Tgt Ion: 95 Resp: 210139

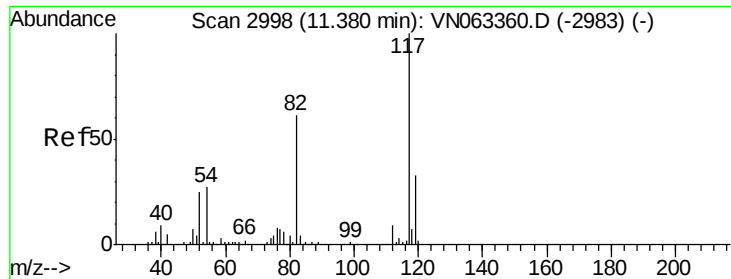
Ion Ratio Lower Upper

95 100

174 71.0 0.0 140.8

176 68.1 0.0 137.6





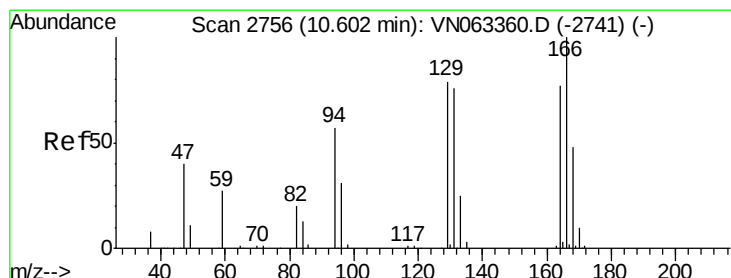
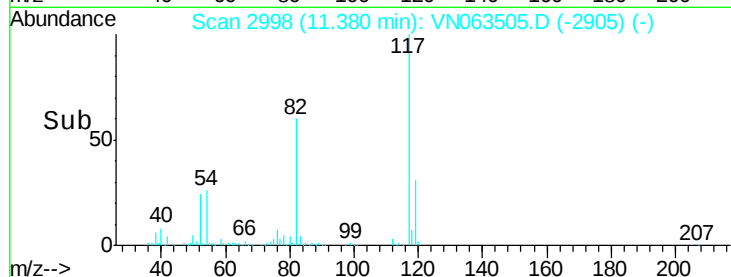
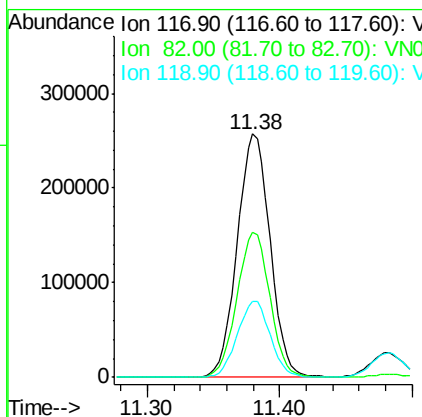
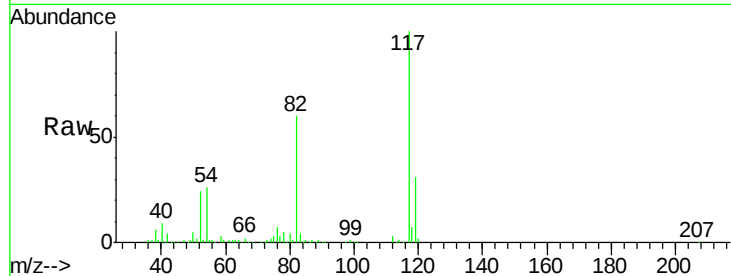
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	49.2	73.8
119	31.4	26.2	39.4

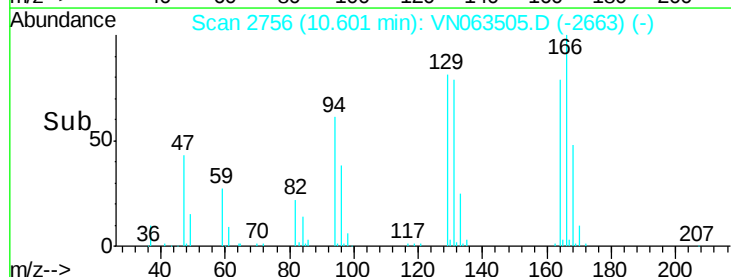
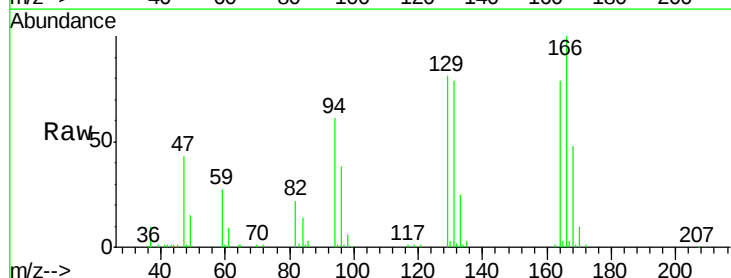
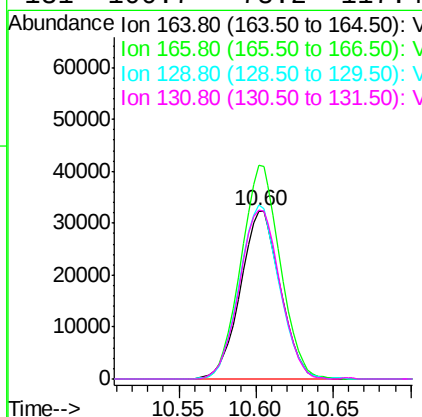
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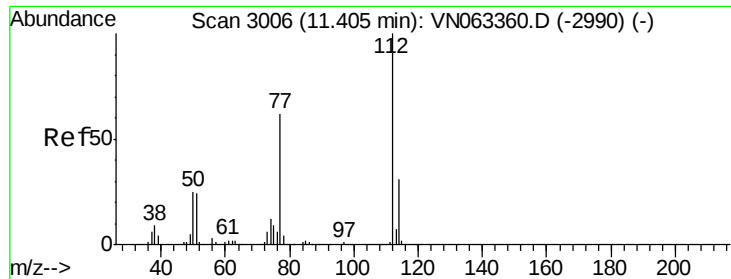
MMDadoda
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#64
Tetrachloroethene
Concen: 19.162 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	103.4	155.0
129	103.3	81.8	122.6
131	100.7	78.2	117.4





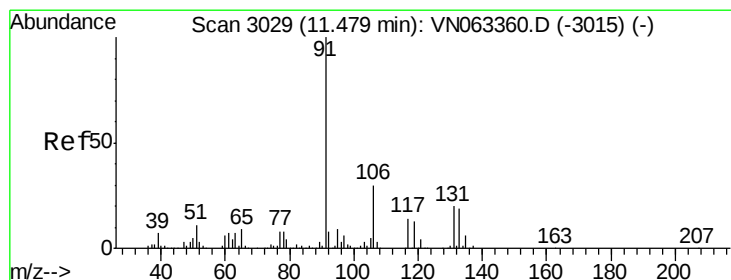
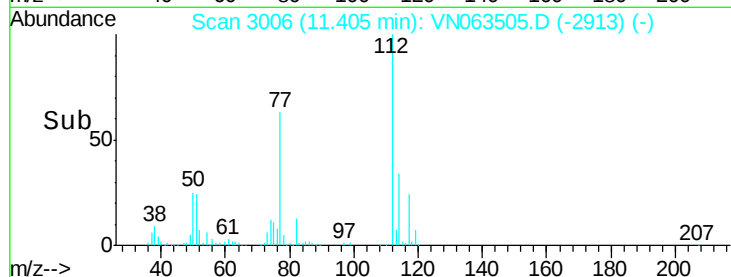
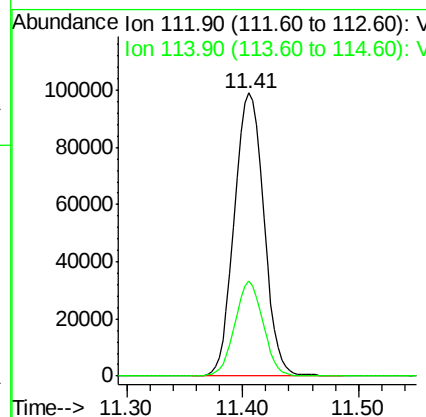
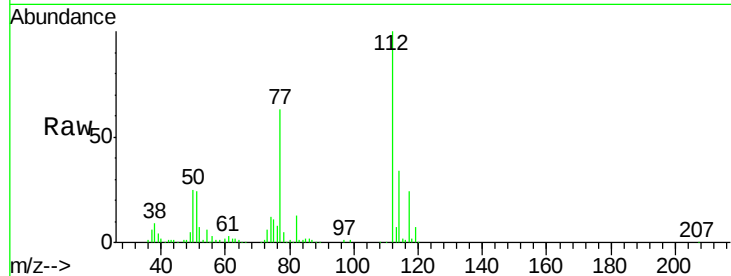
#65
Chlorobenzene
Concen: 18.516 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion:112 Resp: 174496
Ion Ratio Lower Upper
112 100
114 33.6 25.0 37.6

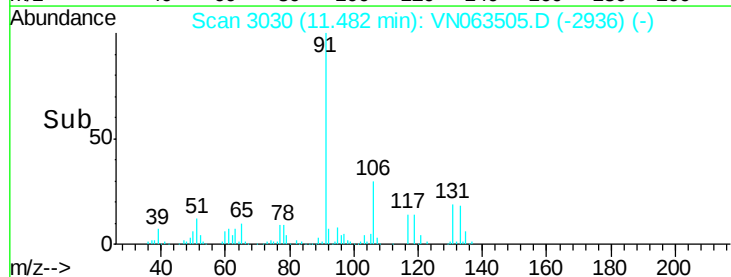
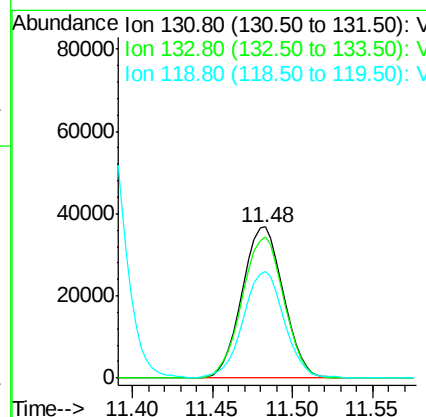
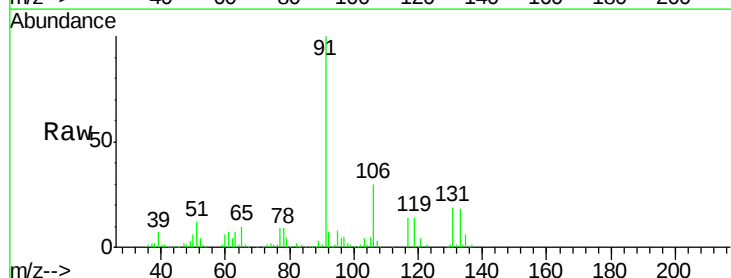
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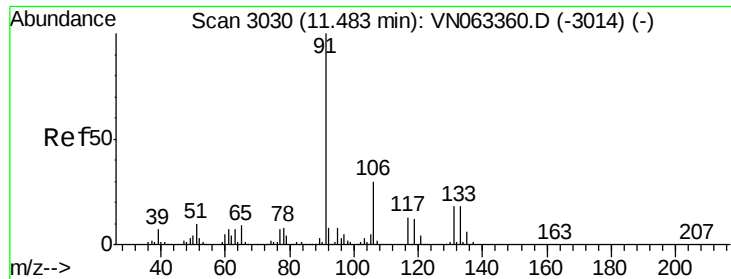
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.828 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion:131 Resp: 65043
Ion Ratio Lower Upper
131 100
133 94.0 47.3 141.9
119 69.9 33.6 100.8





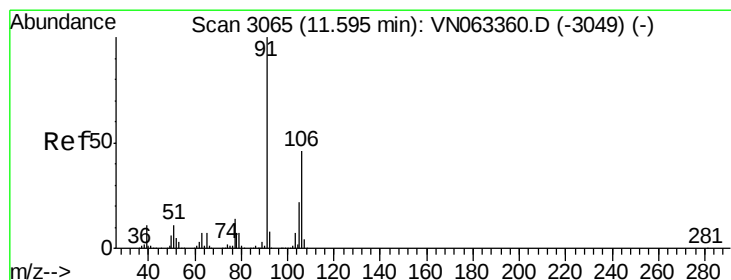
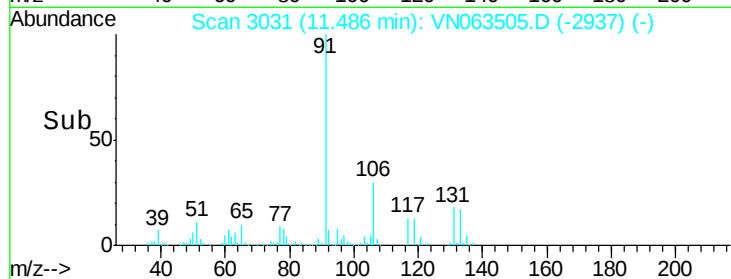
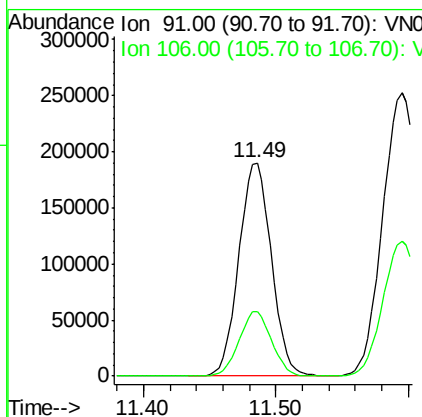
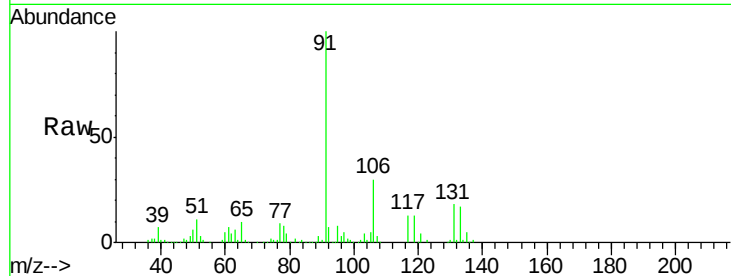
#67
Ethyl Benzene
Concen: 18.274 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion: 91 Resp: 324315
Ion Ratio Lower Upper
91 100
106 30.1 23.8 35.6

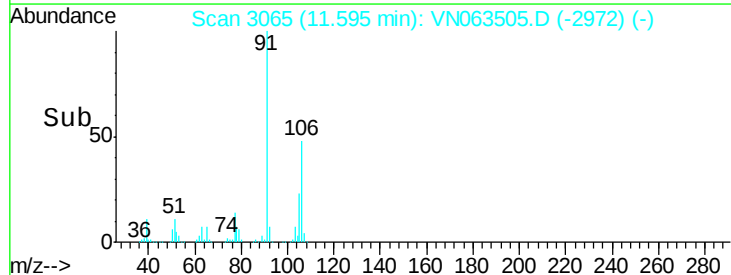
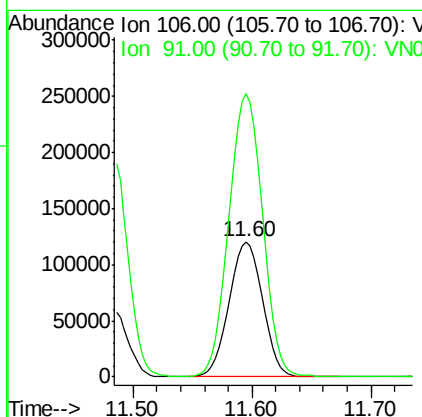
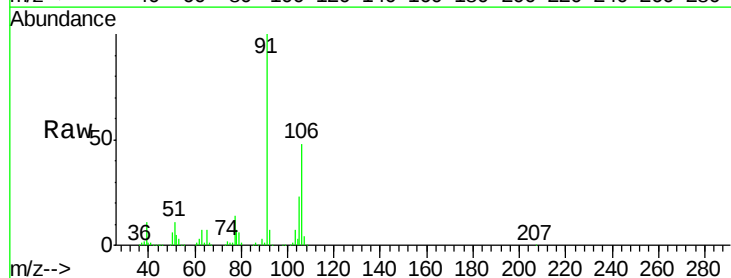
Manual Integrations
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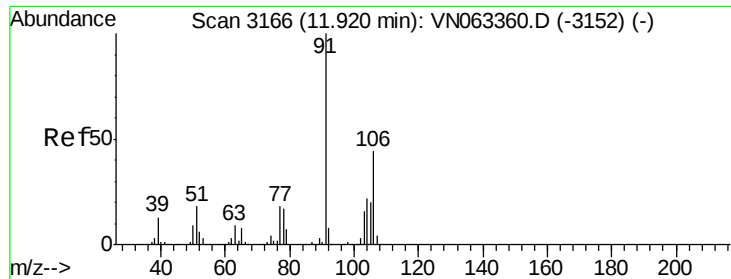
MMDadoda
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#68
m/p-Xylenes
Concen: 36.680 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion: 106 Resp: 234706
Ion Ratio Lower Upper
106 100
91 211.1 171.2 256.8





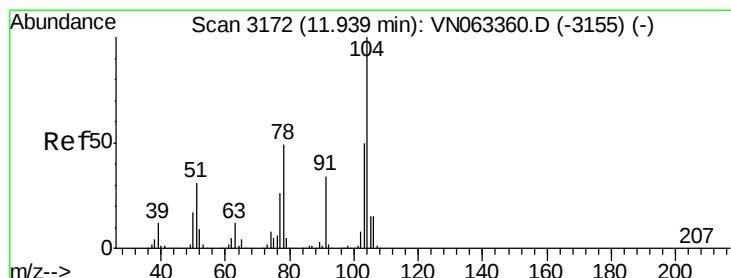
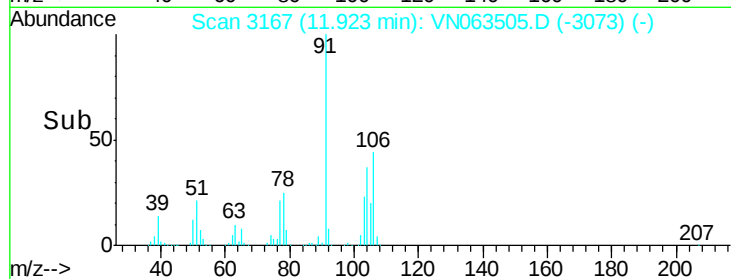
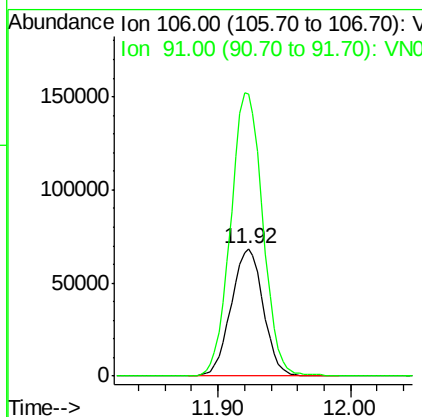
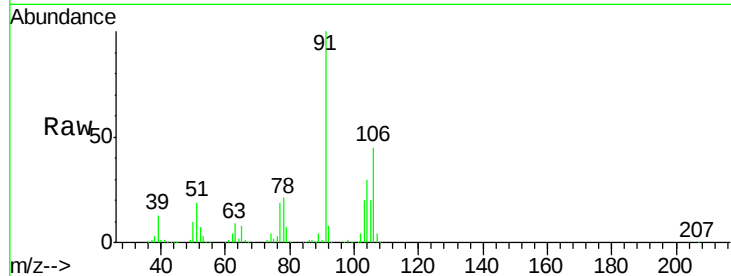
#69
o-Xylene
Concen: 18.838 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	114829		
91	91	223.0		113.6	340.8

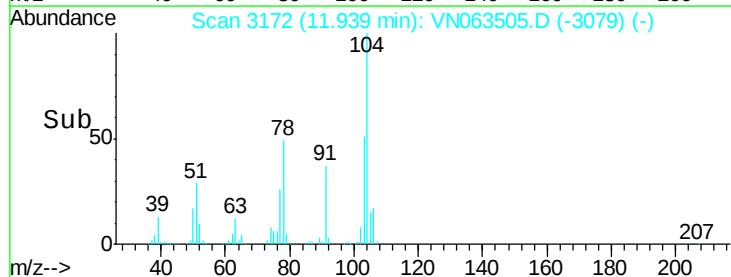
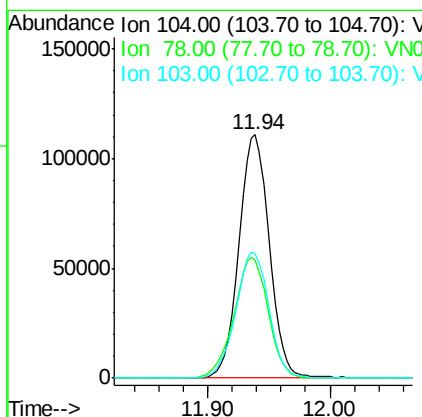
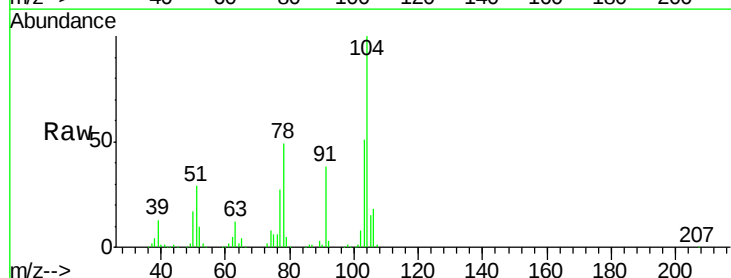
Manual Integrations
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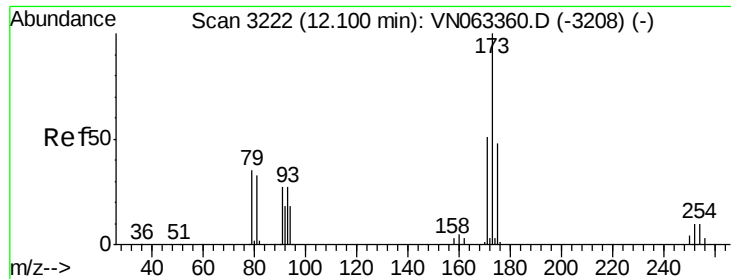
MMDadoda
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#70
Styrene
Concen: 18.658 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	190727		
78	78	55.7		44.4	66.6
103	103	56.6		43.7	65.5





#71

Bromoform

Concen: 18.683 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

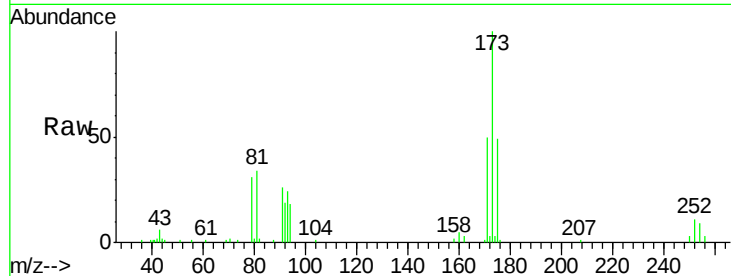
ClientSampleId :

VN0921WBSD02

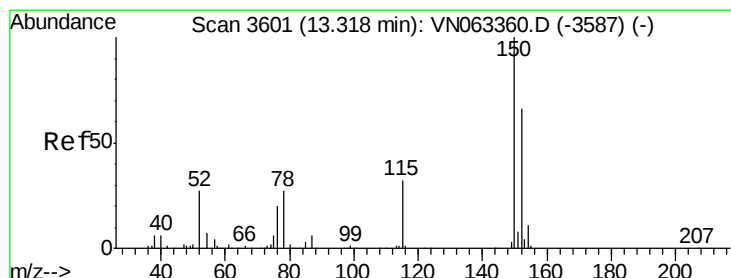
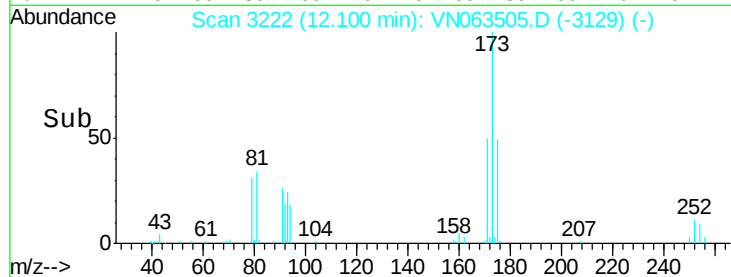
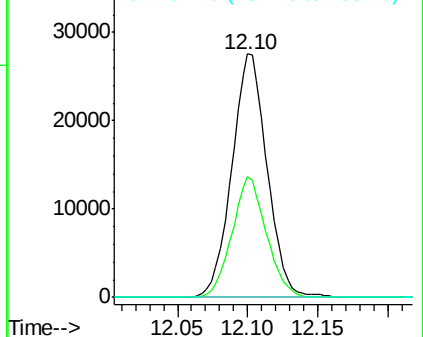
Tot Ion:173	Resp:	48081
Ion Ratio	Lower	Upper
173	100	
175	48.1	24.0 72.0
254	0.0	0.0 0.0

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

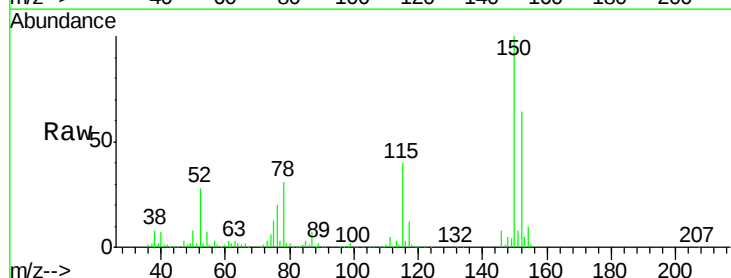
RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

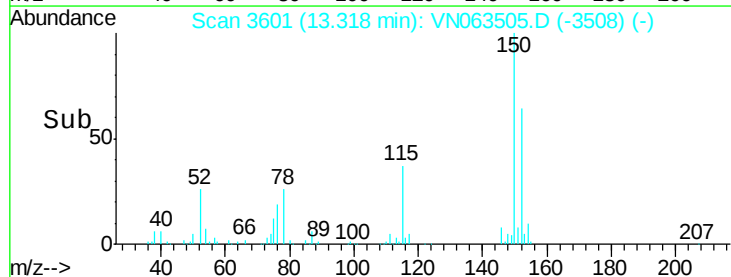
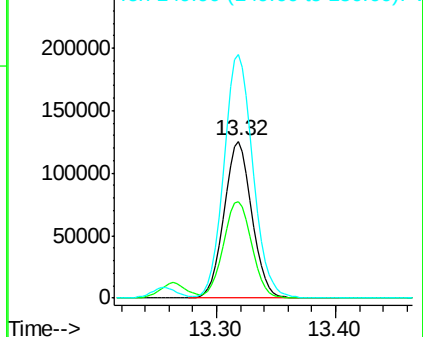
Lab File: VN063505.D

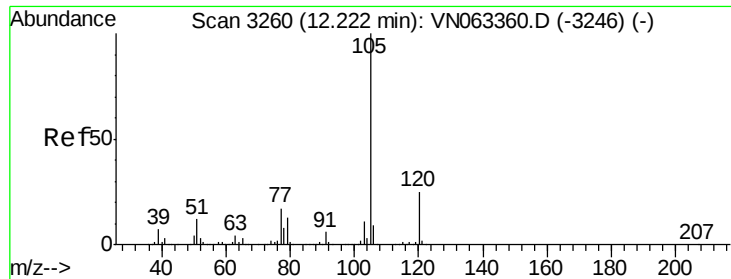
Acq: 22 Sep 2020 00:05

Tgt Ion:152	Resp:	202648
Ion Ratio	Lower	Upper
152	100	
115	63.1	32.2 96.6
150	161.6	0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





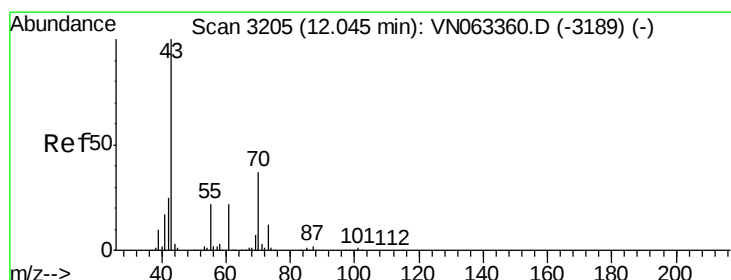
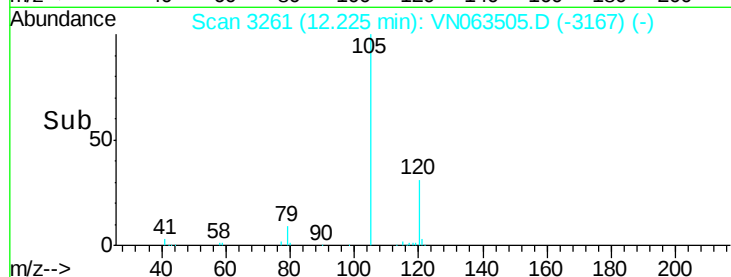
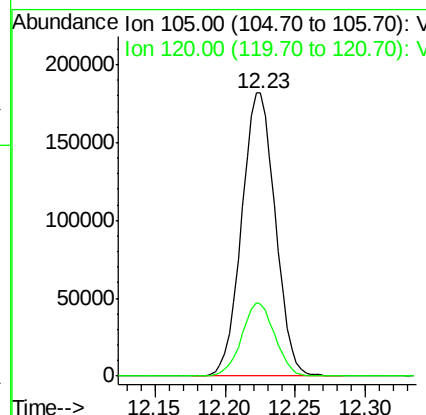
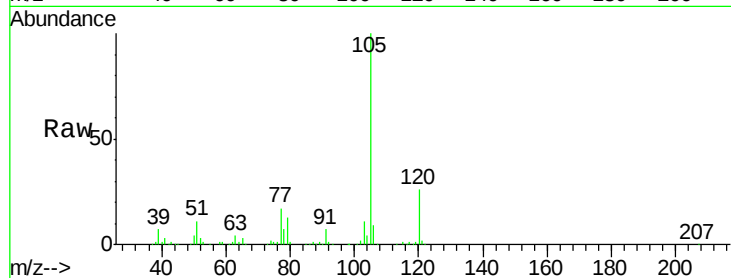
#73
Isopropylbenzene
Concen: 18.721 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.7	38.0

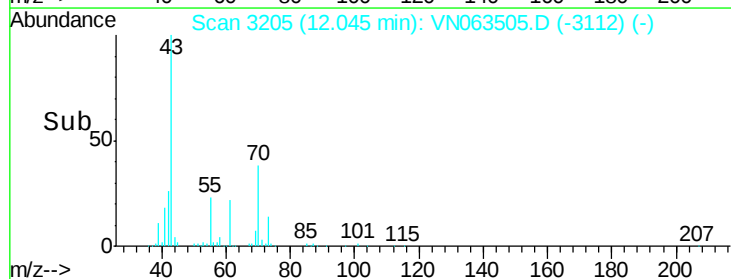
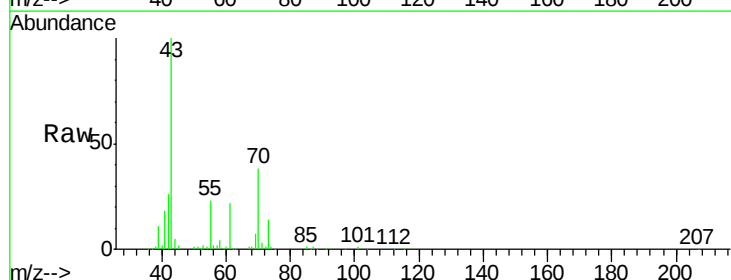
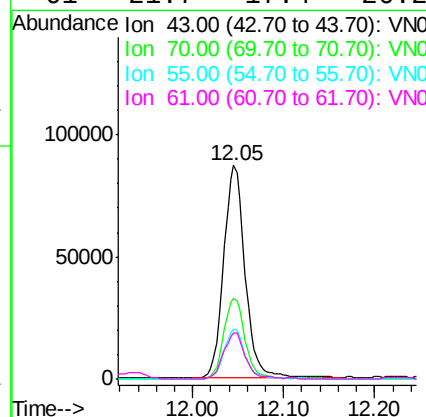
Manual Integrations
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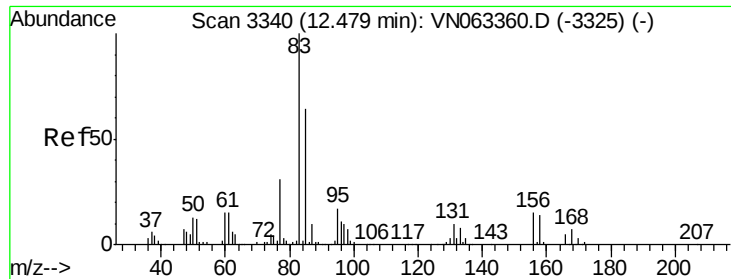
MMDadoda
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#74
N-ethyl acetate
Concen: 18.666 ug/l
RT: 12.05 min Scan# 3205
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.5	29.6	44.4
55	23.0	17.7	26.5
61	21.7	17.4	26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.170 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

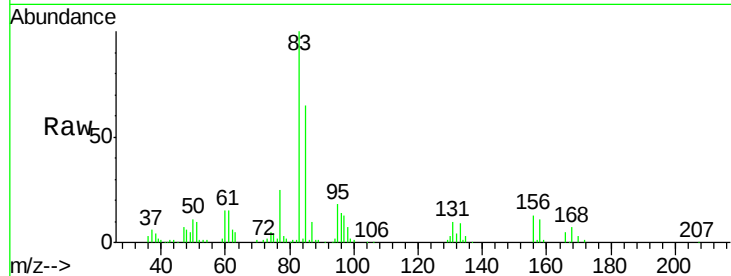
ClientSampleId :

VN0921WBSD02

Tot Ion:	83	Resp:	96391
Ion Ratio	Lower	Upper	
83	100		
131	10.2	4.9	14.7
85	64.4	32.0	96.0

Manual Integrations
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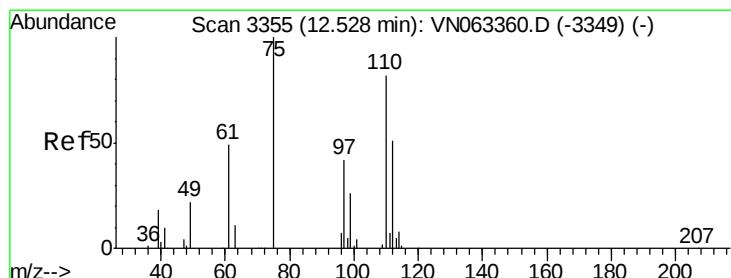
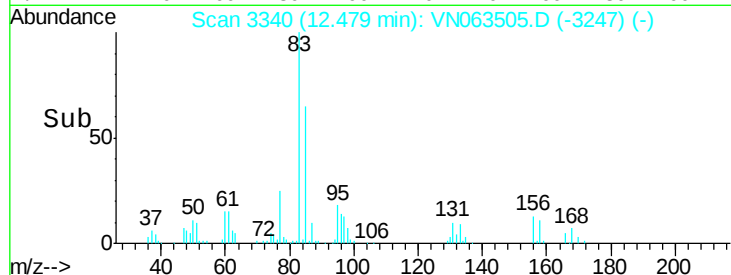
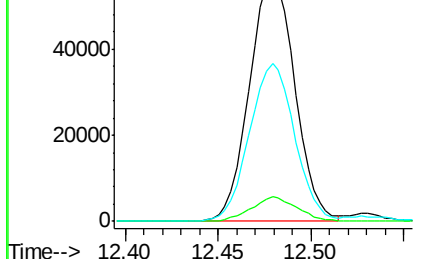


Abundance Ion 82.90 (82.60 to 83.60): VN063360.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN063360.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-3325) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 18.673 ug/l m

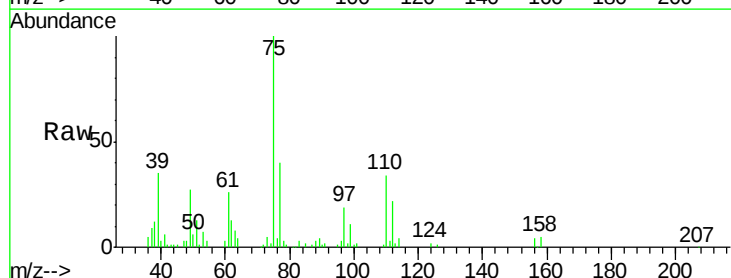
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

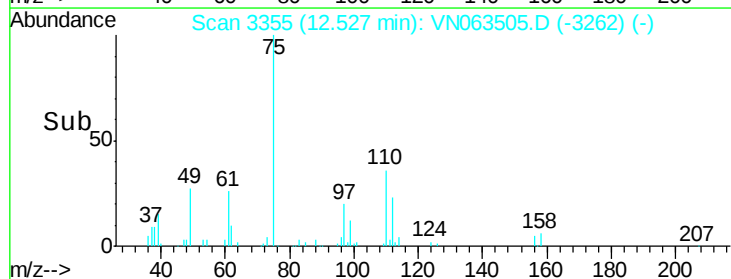
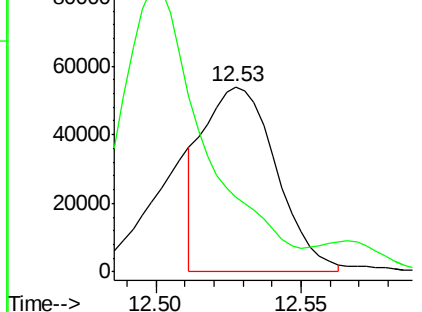
Tgt Ion:	75	Resp:	93659
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

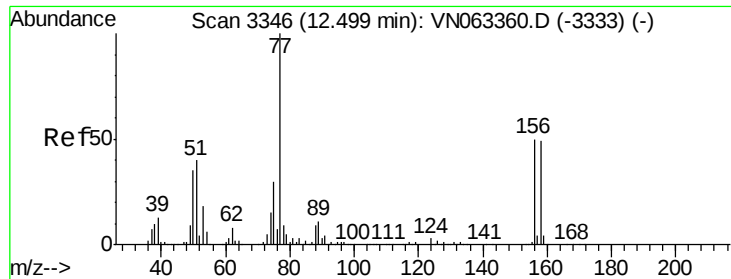


Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN063360.D (-3349) (-)

Time-->





#77

Bromobenzene

Concen: 19.176 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion:156 Resp: 70047

Ion Ratio Lower Upper

156 100

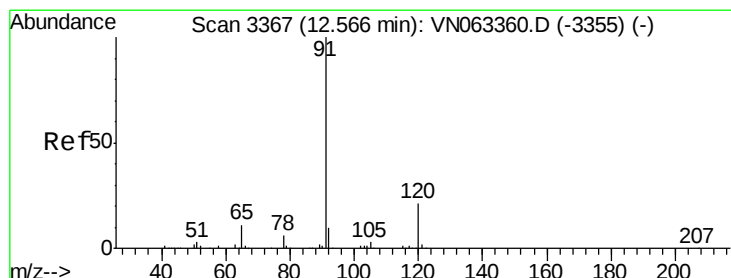
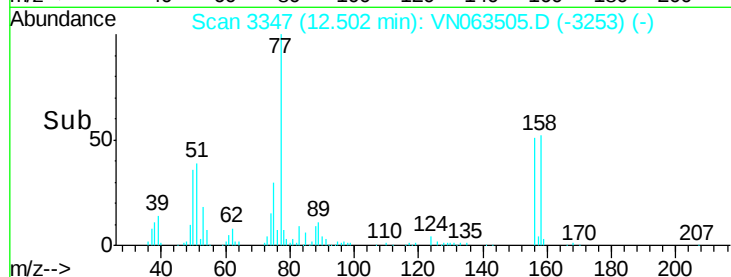
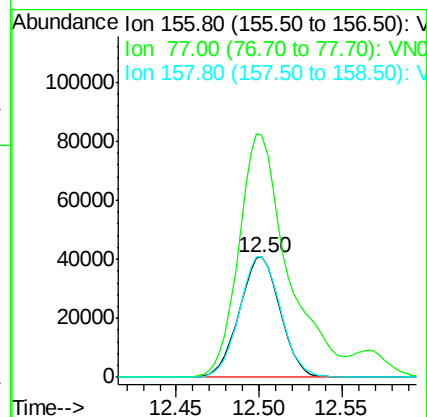
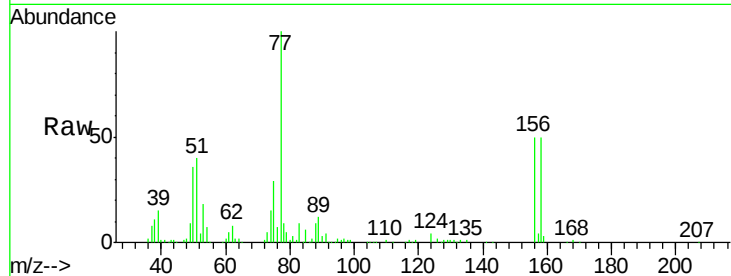
77 241.6 120.2 360.6

158 100.6 48.9 146.6

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#78

n-propylbenzene

Concen: 18.284 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063505.D

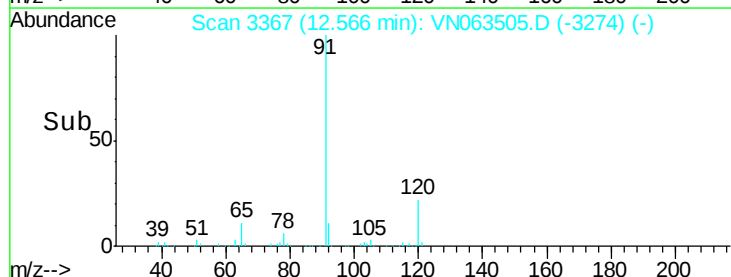
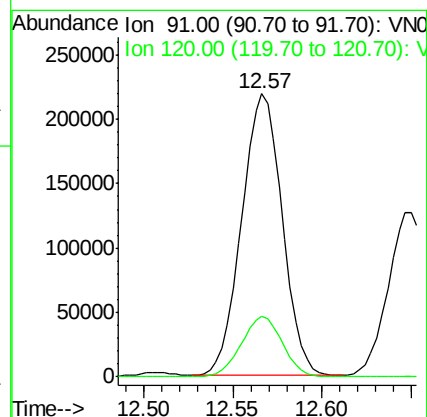
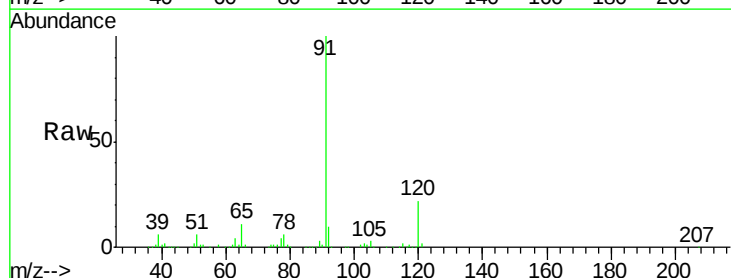
Acq: 22 Sep 2020 00:05

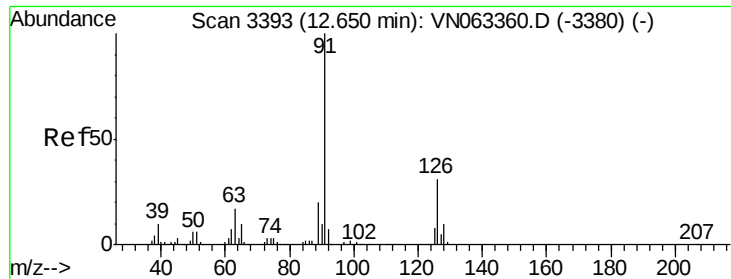
Tgt Ion: 91 Resp: 345826

Ion Ratio Lower Upper

91 100

120 21.8 10.8 32.3





#79

2-Chlorotoluene

Concen: 18.476 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion: 91 Resp: 209484

Ion Ratio Lower Upper

91 100

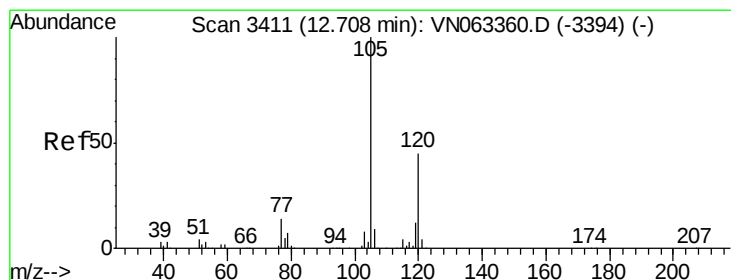
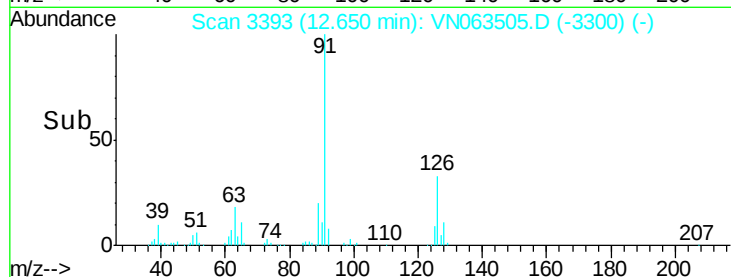
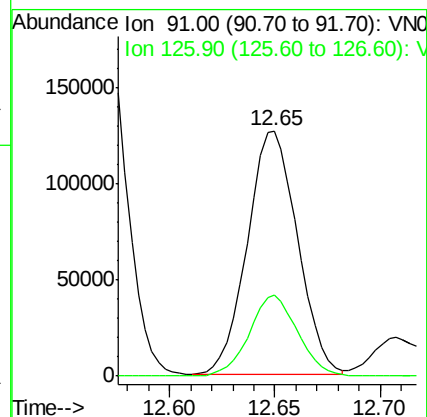
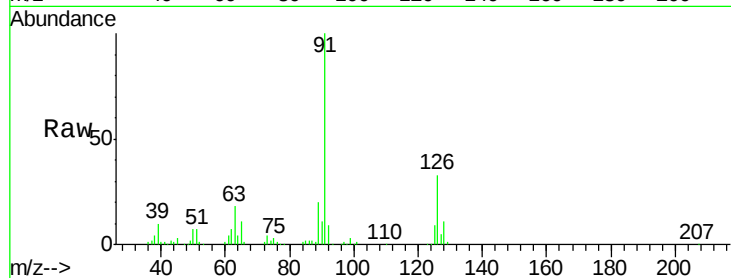
126 32.1 15.8 47.3

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#80

1,3,5-Trimethylbenzene

Concen: 18.825 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063505.D

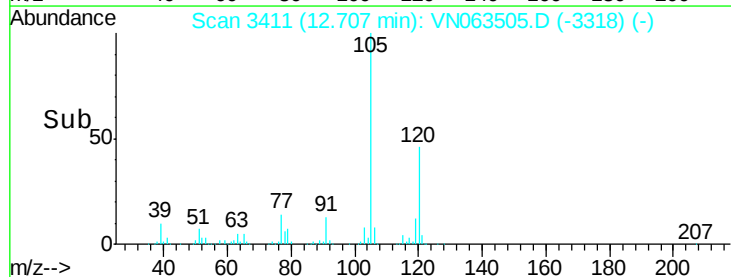
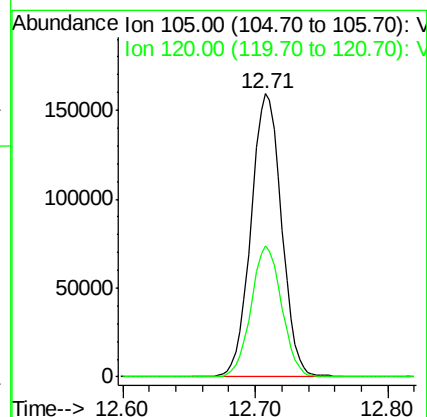
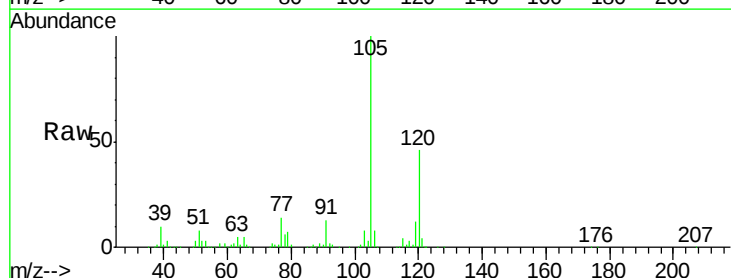
Acq: 22 Sep 2020 00:05

Tgt Ion: 105 Resp: 254909

Ion Ratio Lower Upper

105 100

120 46.2 22.9 68.8





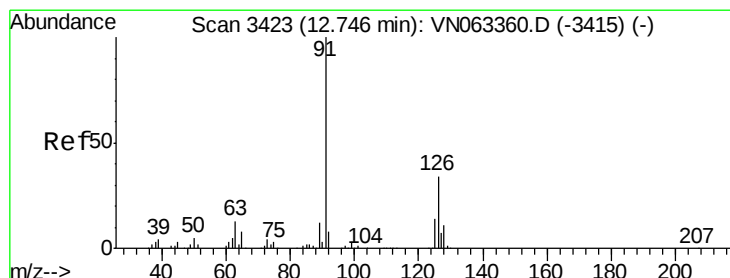
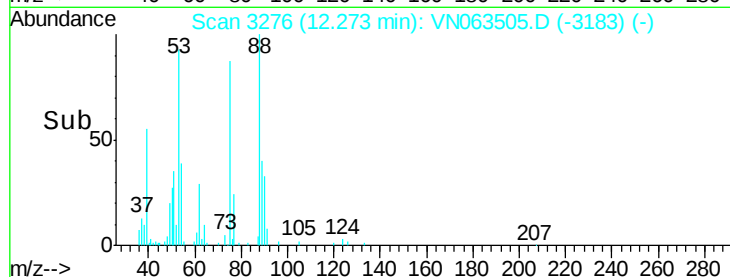
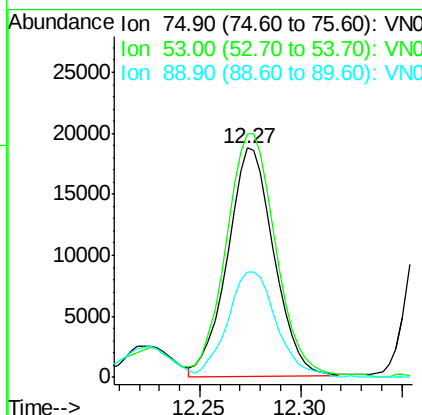
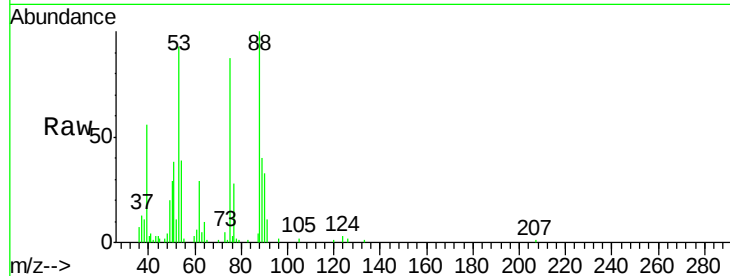
#81
trans-1,4-Dichloro-2-butene
Concen: 16.376 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.7	85.7	128.5
89	49.0	38.0	57.0

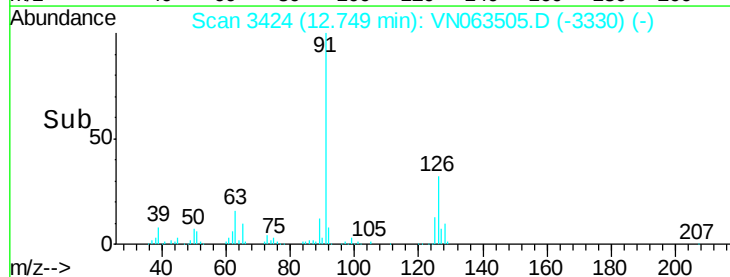
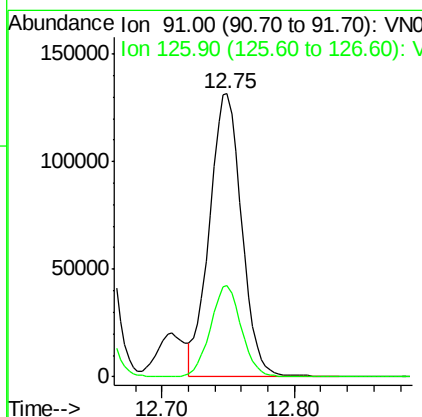
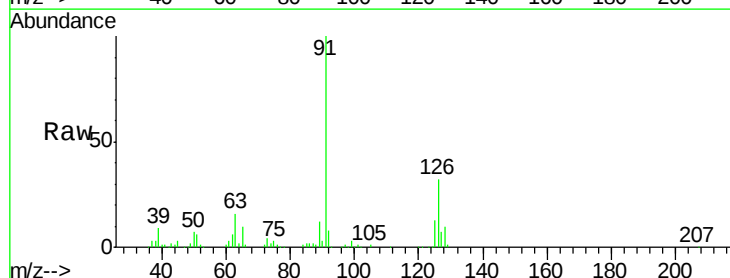
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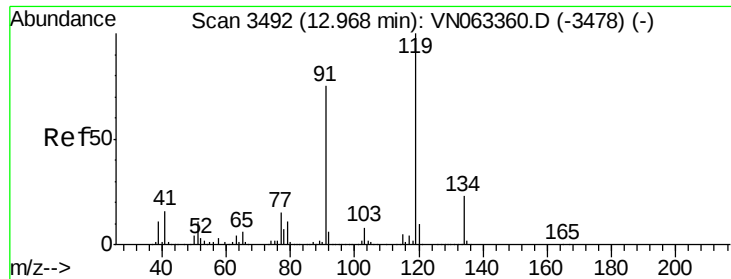
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#82
4-Chlorotoluene
Concen: 18.413 ug/l
RT: 12.75 min Scan# 3424
Delta R.T. 0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.5	46.5





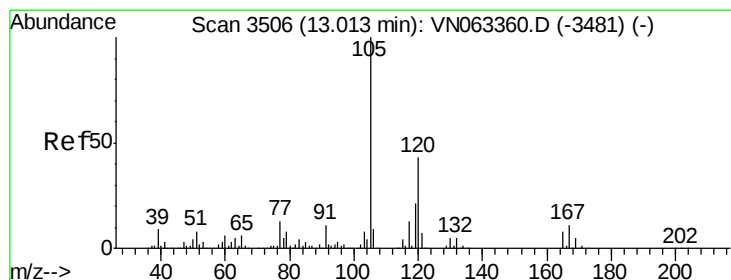
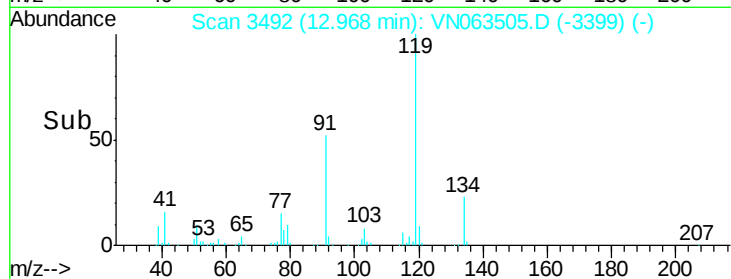
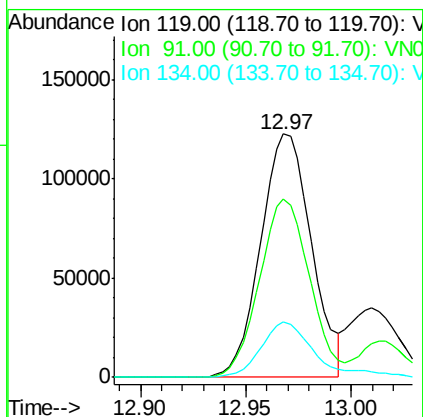
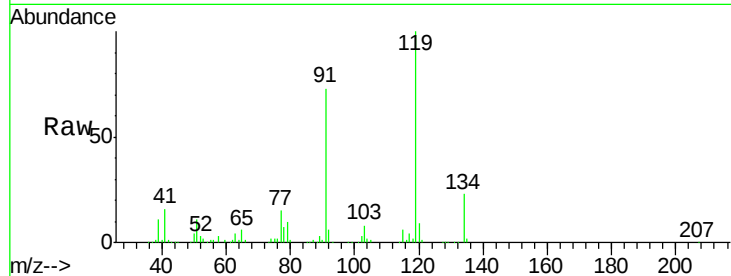
#83
 tert-Butylbenzene
 Concen: 18.393 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.2	36.3	108.9
134	24.1	12.3	36.8

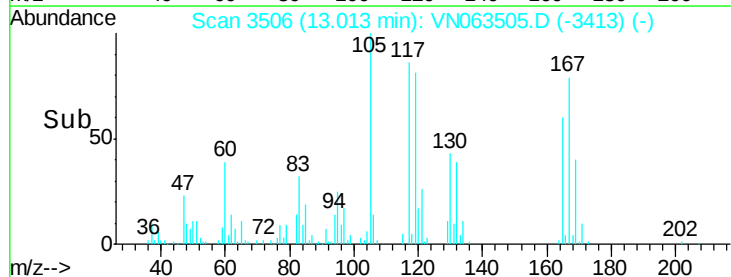
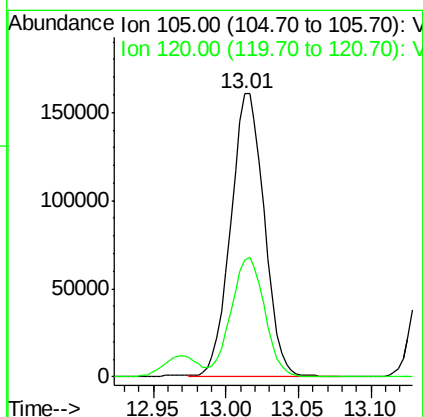
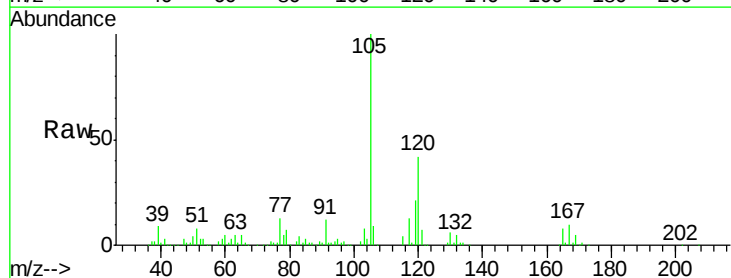
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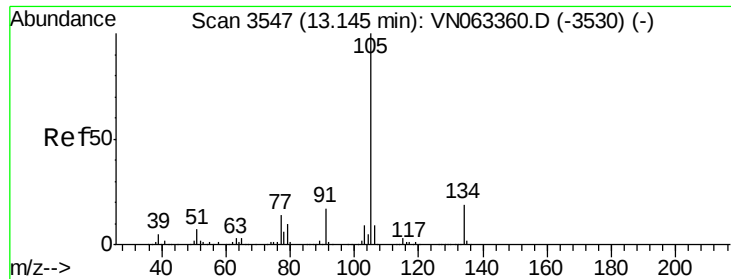
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.694 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.7	21.3	63.9





#85

sec-Butylbenzene

Concen: 17.973 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBSD02

Tot Ion:105 Resp: 268883

Ion Ratio Lower Upper

105 100

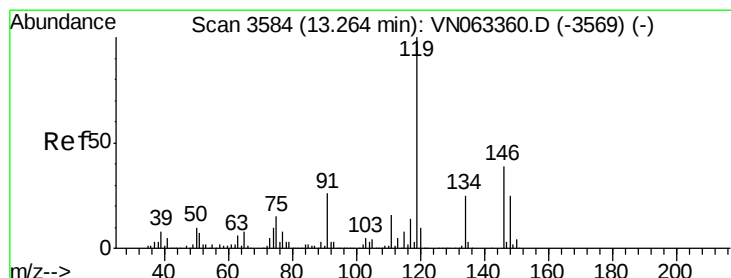
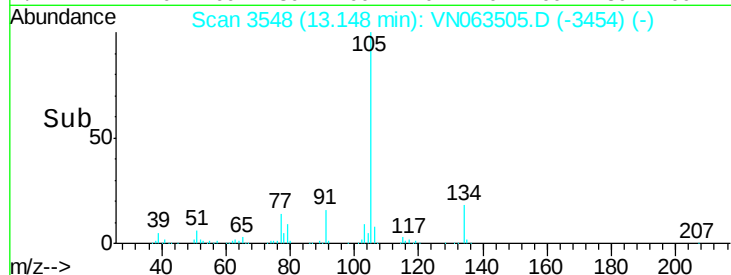
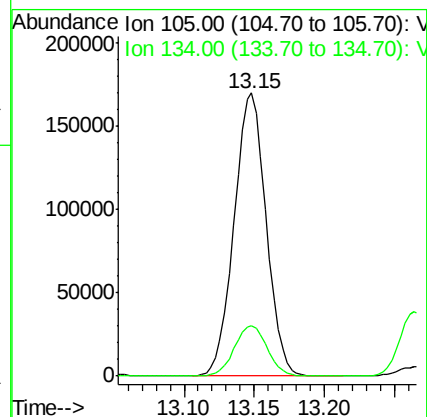
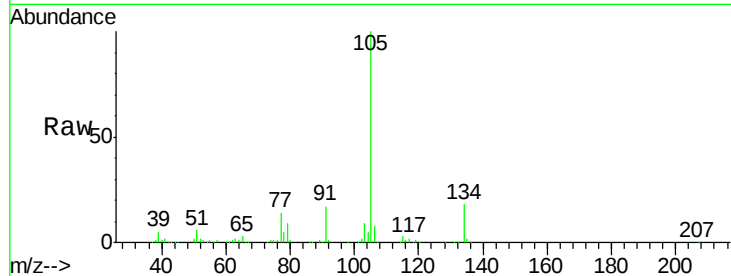
134 18.4 9.3 27.7

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#86

p-Isopropyltoluene

Concen: 18.076 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

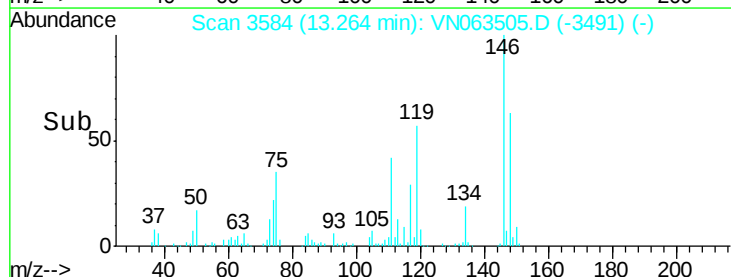
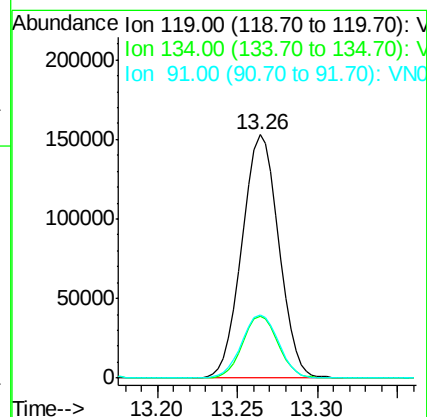
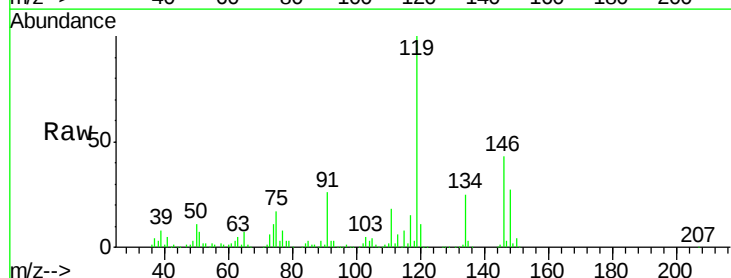
Tgt Ion:119 Resp: 238510

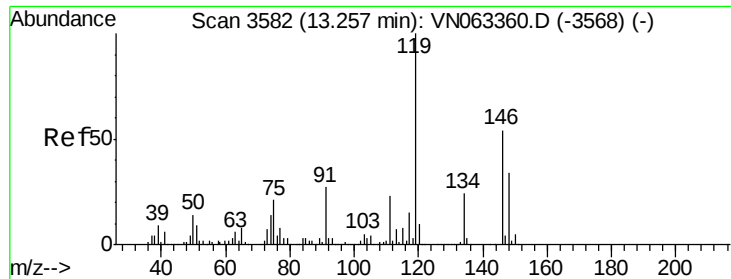
Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

91 26.2 13.4 40.1





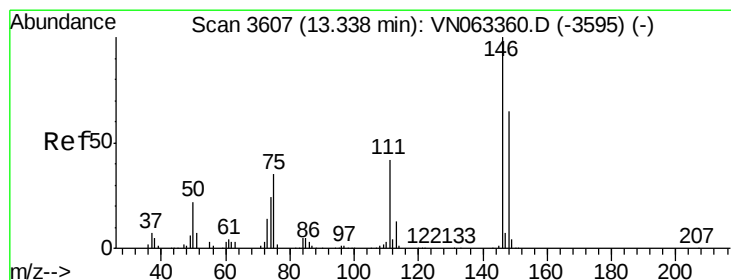
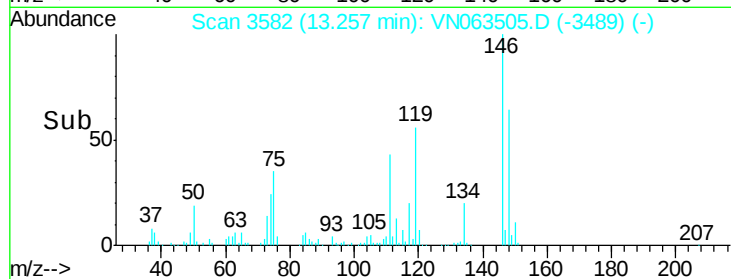
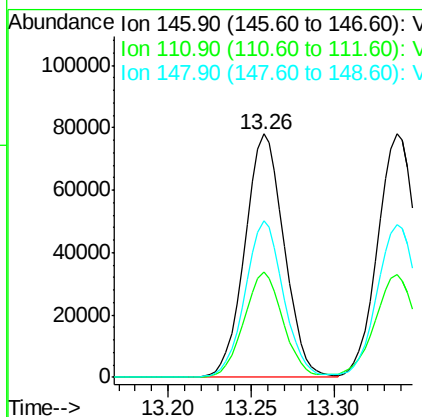
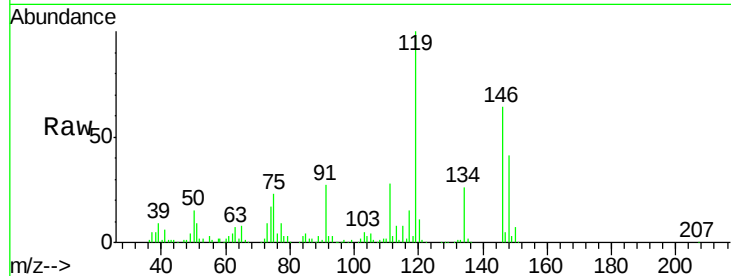
#87
 1,3-Dichlorobenzene
 Concen: 18.905 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Instrument :
 MSVOA_N
 ClientSampled :
 VN0921WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	127995		
111	43.1	21.4	64.3	
148	62.9	31.9	95.7	

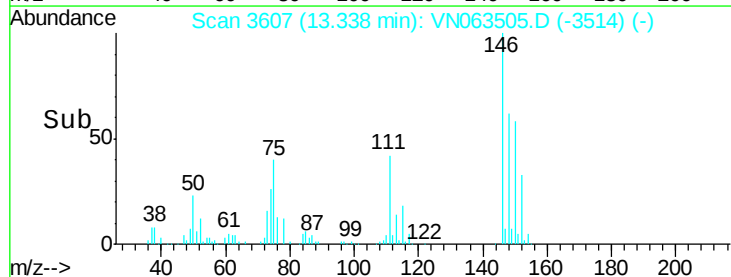
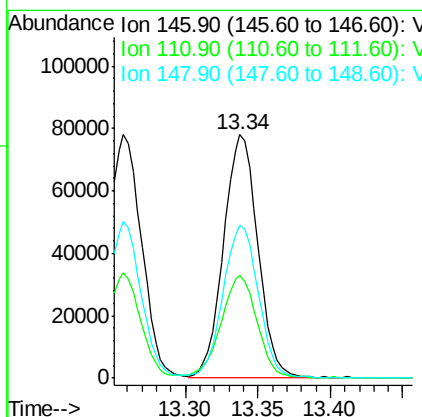
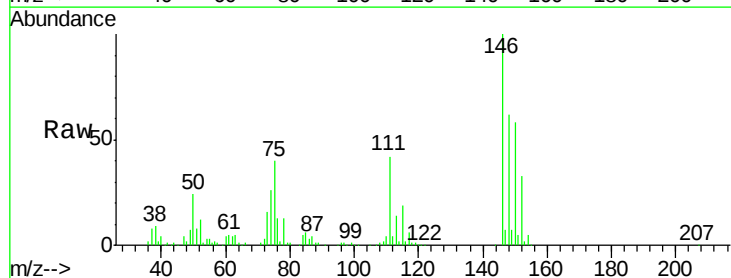
Manual Integrations
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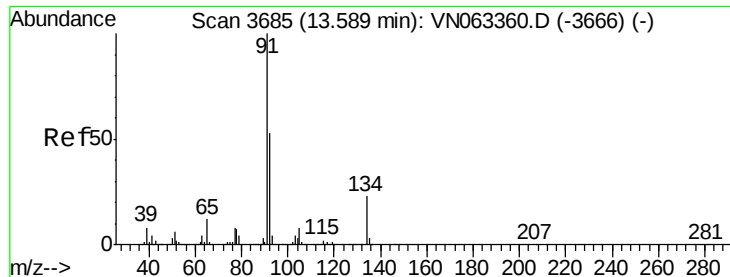
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#88
 1,4-Dichlorobenzene
 Concen: 18.530 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	127552		
111	44.1	21.2	63.6	
148	65.5	31.9	95.9	





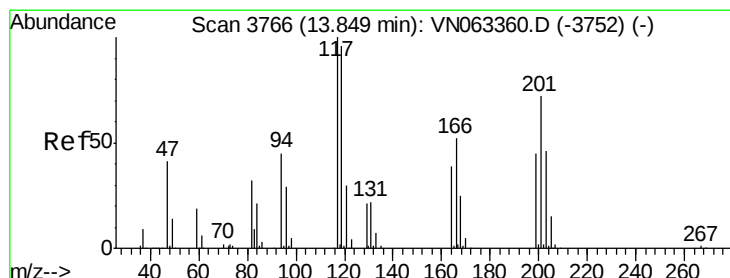
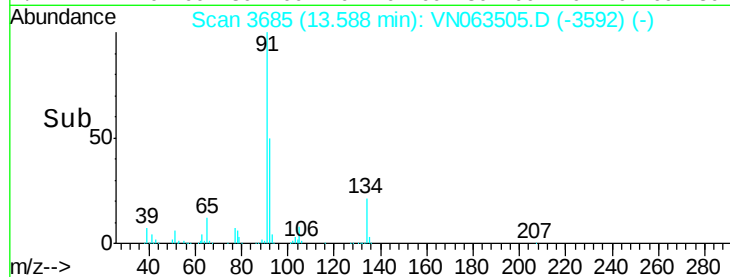
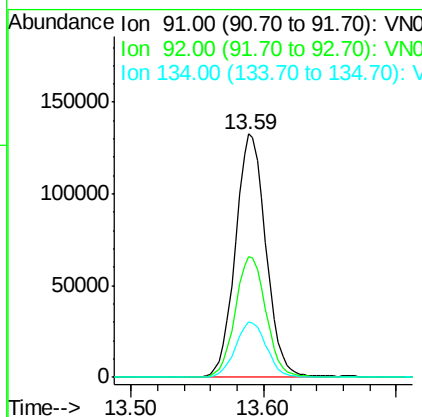
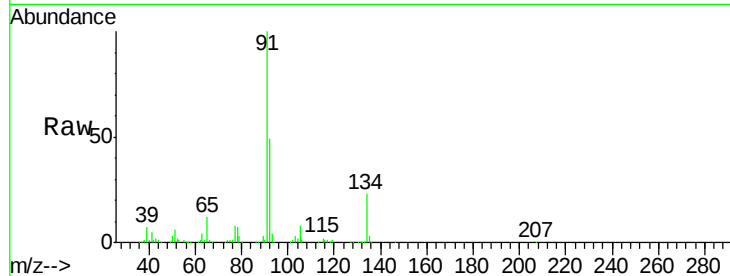
#89
n-Butylbenzene
Concen: 17.434 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion:	91	Resp:	212036
Ion	Ratio	Lower	Upper
91	100		
92	50.2	26.0	78.0
134	22.9	11.7	35.0

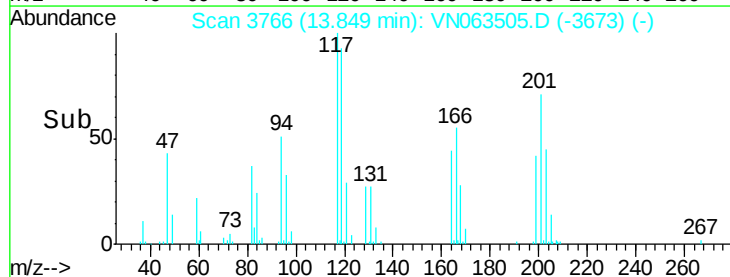
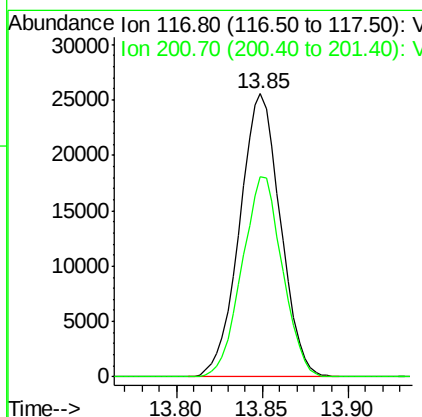
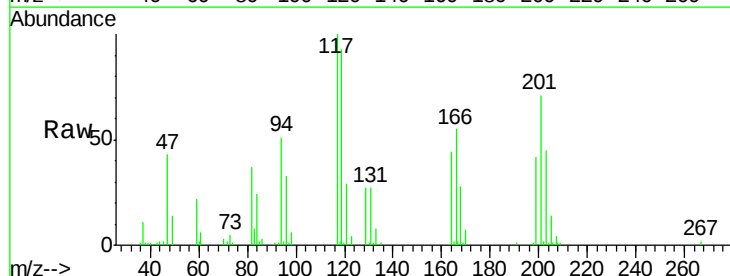
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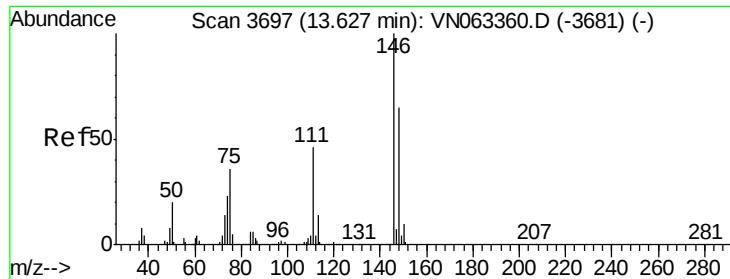
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#90
Hexachloroethane
Concen: 16.797 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion:	117	Resp:	42203
Ion	Ratio	Lower	Upper
117	100		
201	69.7	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 18.768 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Instrument :

MSVOA_N

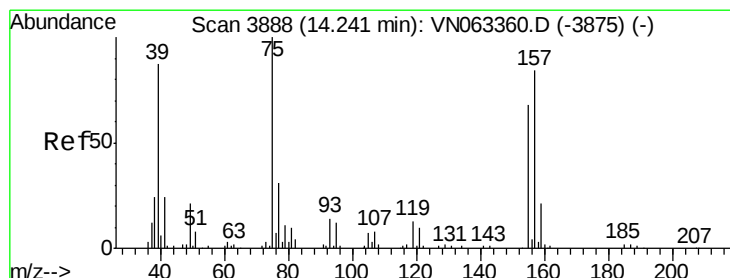
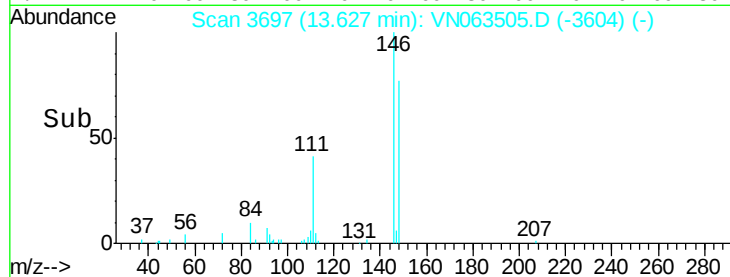
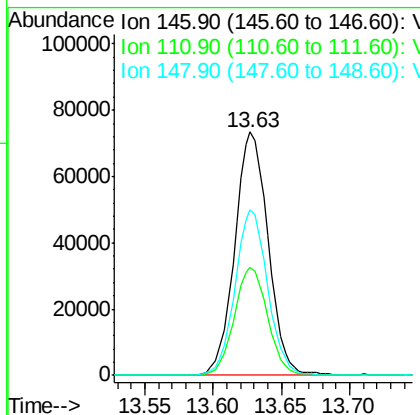
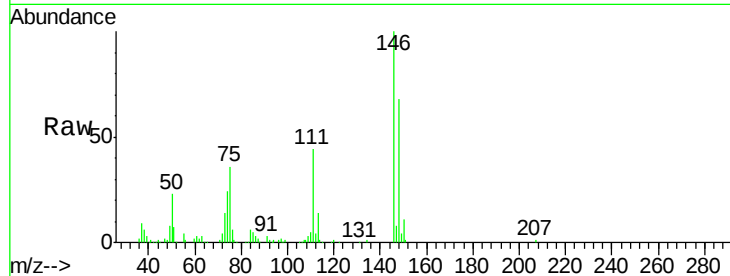
ClientSampleID :

VN0921WBSD02

Tot Ion:	146	Resp:	124751
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.4	67.2
148	66.2	32.0	96.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.338 ug/l

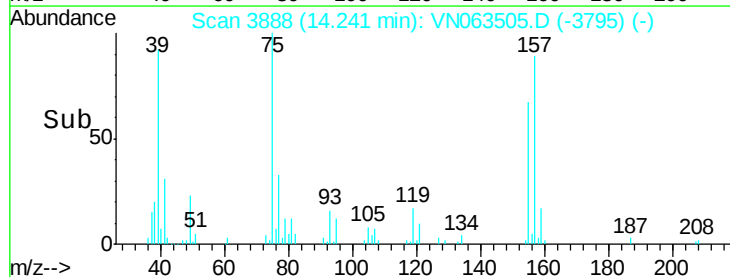
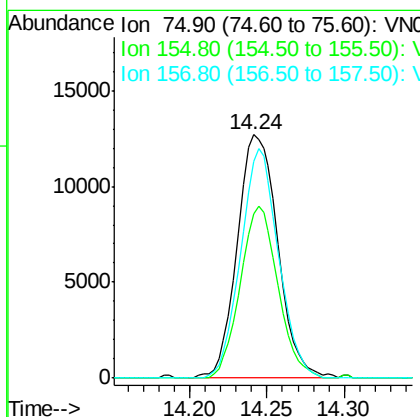
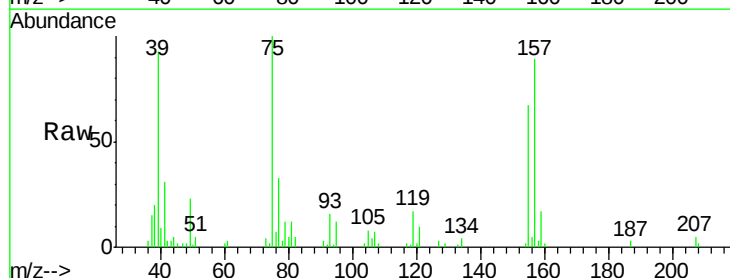
RT: 14.24 min Scan# 3888

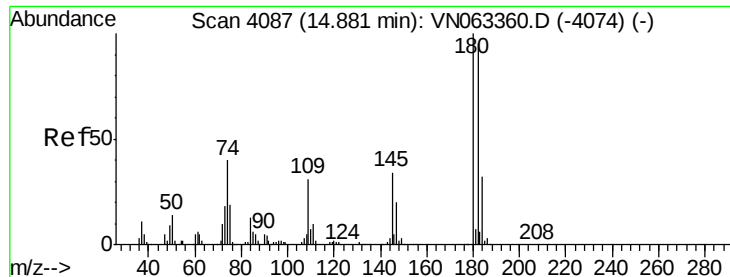
Delta R.T. -0.00 min

Lab File: VN063505.D

Acq: 22 Sep 2020 00:05

Tgt Ion:	75	Resp:	23154
Ion Ratio	Lower	Upper	
75	100		
155	65.7	34.6	103.9
157	88.0	43.7	131.1





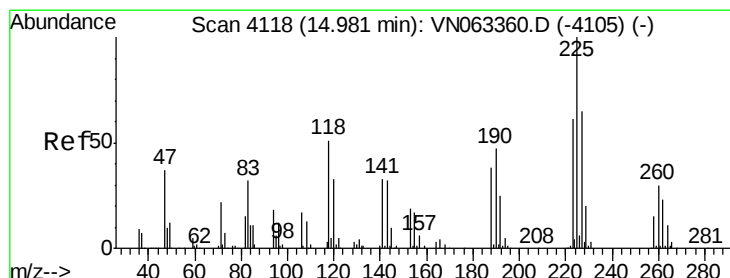
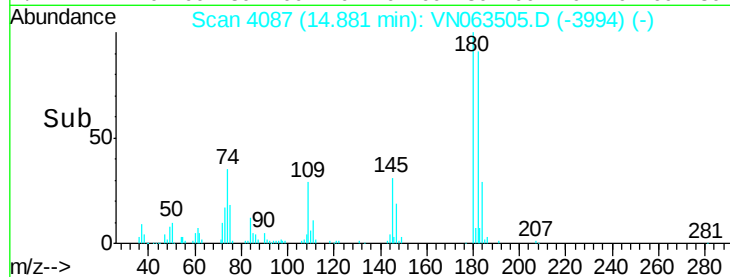
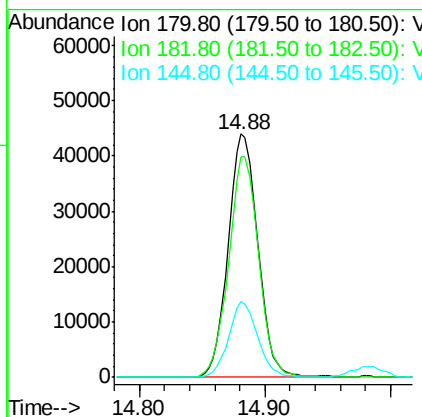
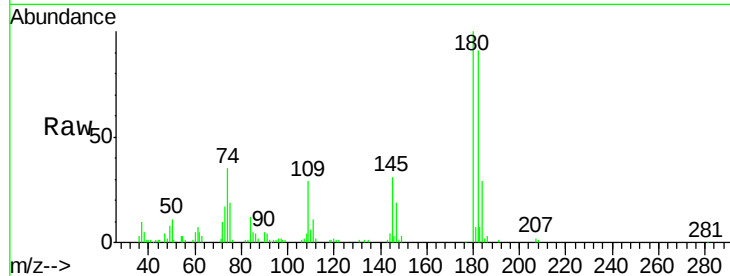
#93
 1,2,4-Trichlorobenzene
 Concen: 18.491 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBSD02

Tot Ion:	180	Resp:	72459
Ion Ratio	Lower	Upper	
180	100		
182	91.5	47.3	142.0
145	30.3	16.6	49.7

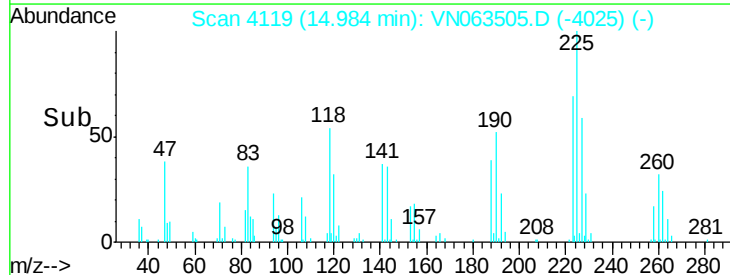
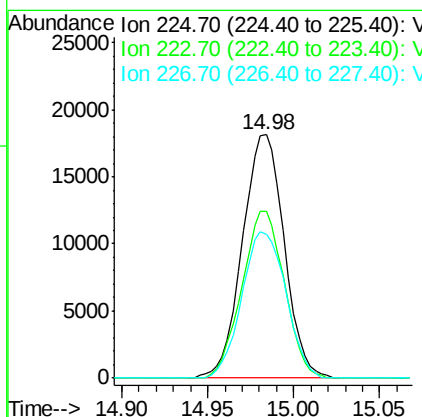
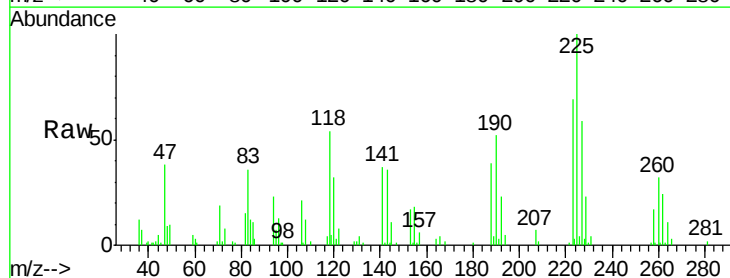
Manual Integrations
 APPROVED

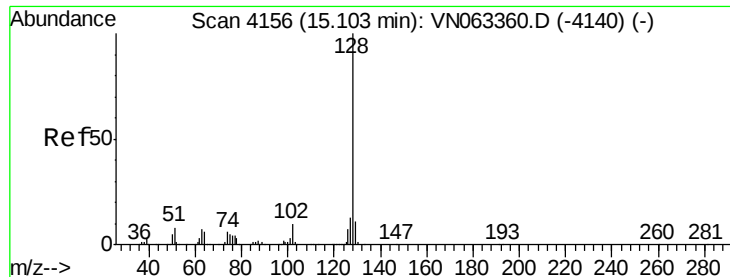
MMDadoda
 9/22/2020 2:08:13 PM



#94
 Hexachlorobutadiene
 Concen: 18.796 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063505.D
 Acq: 22 Sep 2020 00:05

Tgt Ion:	225	Resp:	30493
Ion Ratio	Lower	Upper	
225	100		
223	69.8	30.6	91.6
227	63.4	31.2	93.6





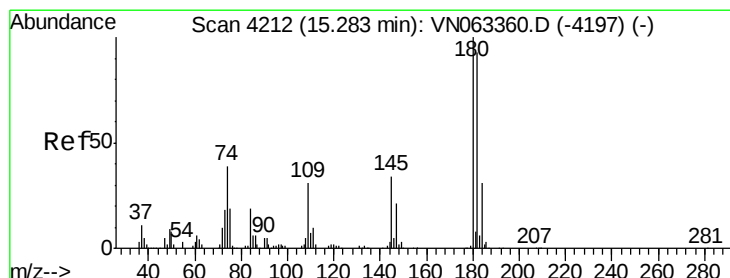
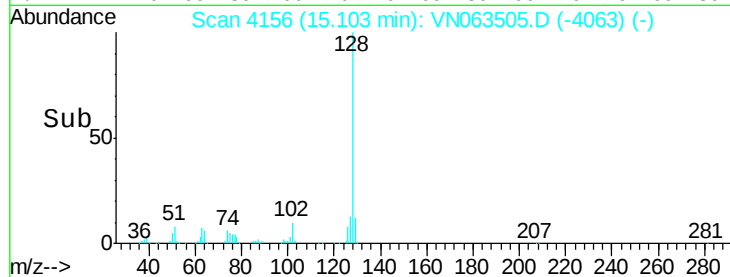
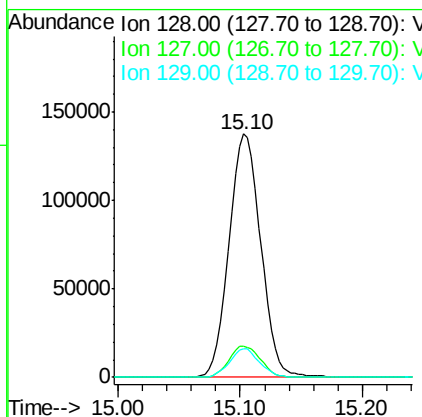
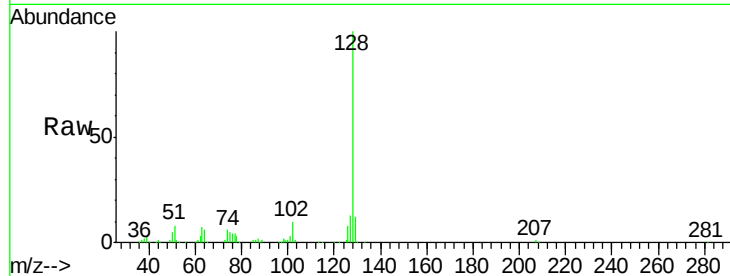
#95
Naphthalene
Concen: 19.301 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	249884		
127	12.8	10.6	15.8	
129	11.1	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:08:13 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.730 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063505.D
Acq: 22 Sep 2020 00:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	70917		
182	92.2	46.7	140.1	
145	32.9	16.8	50.3	

