

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063362.D
 Acq On : 16 Sep 2020 12:43
 Operator : JC/MD
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:07:55 PM

Quant Time: Sep 16 13:05:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 12:15:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	284898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	495859	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	464444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	225523	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	744869	164.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	329.98%	
35) Dibromofluoromethane	7.55	113	524480	163.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.38%	
50) Toluene-d8	10.06	98	2006353	162.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	325.88%	
62) 4-Bromofluorobenzene	12.38	95	777524	170.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	341.74%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	475491	168.255	ug/l	99
3) Chloromethane	2.03	50	573480	138.292	ug/l	99
4) Vinyl Chloride	2.16	62	572293	148.299	ug/l	100
5) Bromomethane	2.51	94	340137	130.488	ug/l	99
6) Chloroethane	2.66	64	333110	134.162	ug/l	96
7) Trichlorofluoromethane	2.98	101	849107	142.898	ug/l	100
8) Diethyl Ether	3.37	74	325134	150.236	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	462471	147.381	ug/l	99
10) Methyl Iodide	3.91	142	664317	164.270	ug/l	100
11) Tert butyl alcohol	4.73	59	454847	752.125	ug/l	100
12) 1,1-Dichloroethene	3.70	96	469387	149.103	ug/l	97
13) Acrolein	3.56	56	324756	1170.774	ug/l	99
14) Allyl chloride	4.27	41	953679	147.872	ug/l	98
15) Acrylonitrile	4.93	53	1260752	772.334	ug/l	100
16) Acetone	3.77	43	1099915	710.315	ug/l	100
17) Carbon Disulfide	4.01	76	1410054	144.898	ug/l	100
18) Methyl Acetate	4.27	43	577581	147.843	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	1752257	155.558	ug/l	100
20) Methylene Chloride	4.50	84	548118	138.232	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	518512	147.454	ug/l	98
22) Diisopropyl ether	5.90	45	1906223	151.198	ug/l	97
23) Vinyl Acetate	5.84	43	7891556	790.861	ug/l	97
24) 1,1-Dichloroethane	5.79	63	1045414	151.818	ug/l	99
25) 2-Butanone	6.78	43	1730359	753.275	ug/l	99
26) 2,2-Dichloropropane	6.78	77	905629	150.457	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	600233	146.493	ug/l	98
28) Bromochloromethane	7.15	49	529306	160.053	ug/l	99
29) Tetrahydrofuran	7.16	42	1167713	780.376	ug/l	99
30) Chloroform	7.33	83	1056307	153.769	ug/l	100
31) Cyclohexane	7.61	56	913634	144.434	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	954471	158.808	ug/l	99
36) 1,1-Dichloropropene	7.75	75	797744	155.128	ug/l	99
37) Ethyl Acetate	6.88	43	767263	151.110	ug/l	100
38) Carbon Tetrachloride	7.73	117	826107	162.252	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	852349	152.062	ug/l	99
40) Benzene	8.00	78	2244528	153.071	ug/l	99
41) Methacrylonitrile	7.13	41	373687m	161.725	ug/l	
42) 1,2-Dichloroethane	8.08	62	922096	164.097	ug/l	99
43) Isopropyl Acetate	8.13	43	1367842	158.838	ug/l #	89
44) Trichloroethene	8.80	130	542836	143.709	ug/l	98
45) 1,2-Dichloropropane	9.08	63	614172	152.549	ug/l	99
46) Dibromomethane	9.17	93	404792	154.248	ug/l	99
47) Bromodichloromethane	9.37	83	874807	160.530	ug/l	99
48) Methyl methacrylate	9.16	41	675119	163.150	ug/l	98
49) 1,4-Dioxane	9.17	88	176353	2766.194	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	3751787	791.472	ug/l	98
52) Toluene	10.12	92	1417105	157.889	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	992953	166.845	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	1034563	161.626	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	547516	155.759	ug/l	98
56) Ethyl methacrylate	10.40	69	890014	166.662	ug/l	99
57) 1,3-Dichloropropane	10.68	76	968326	157.572	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	2260153	786.998	ug/l	99
59) 2-Hexanone	10.72	43	2811035	804.621	ug/l	98
60) Dibromochloromethane	10.87	129	648955	167.916	ug/l	98
61) 1,2-Dibromoethane	10.98	107	581307	158.466	ug/l	99
64) Tetrachloroethene	10.60	164	461236	124.633	ug/l	99
65) Chlorobenzene	11.41	112	1474559	147.127	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	547657	149.711	ug/l	99
67) Ethyl Benzene	11.48	91	2747354	152.220	ug/l	98
68) m/p-Xylenes	11.60	106	2030065	303.756	ug/l	95
69) o-Xylene	11.92	106	975641	152.512	ug/l	99
70) Styrene	11.94	104	1708549	160.135	ug/l	99
71) Bromoform	12.10	173	444111	173.246	ug/l #	100
73) Isopropylbenzene	12.22	105	2649417	145.658	ug/l	99
74) N-amyl acetate	12.05	43	1308982	173.474	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	795493	150.988	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	808975m	159.420	ug/l	
77) Bromobenzene	12.50	156	608979	145.803	ug/l	99
78) n-propylbenzene	12.57	91	3113571	150.923	ug/l	99
79) 2-Chlorotoluene	12.65	91	1884914	148.618	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	2288642	151.468	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	307253	164.325	ug/l	99
82) 4-Chlorotoluene	12.75	91	2030360	152.289	ug/l	99
83) tert-Butylbenzene	12.97	119	1858079	145.406	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	2311025	151.652	ug/l	99
85) sec-Butylbenzene	13.15	105	2493700	153.051	ug/l	99
86) p-Isopropyltoluene	13.26	119	2253090	151.165	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	1146042	149.998	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	1170429	147.161	ug/l	100
89) n-Butylbenzene	13.59	91	2117305	157.120	ug/l	99
90) Hexachloroethane	13.85	117	433935	174.698	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	1130272	149.438	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	190047	157.543	ug/l	98

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ClientSampleId :
VSTDICC150

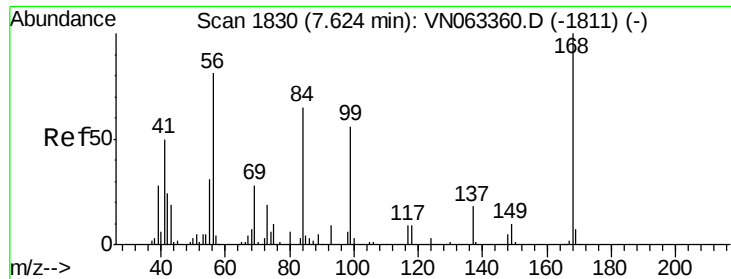
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Sep 16 12:15:31 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	649444	145.703	ug/l	100
94) Hexachlorobutadiene	14.98	225	268467	140.725	ug/l	98
95) Naphthalene	15.10	128	2149758	147.946	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	619544	142.062	ug/l	98

(#) = 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: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tot Ion:168 Resp: 284898

Ion Ratio Lower Upper

168 100

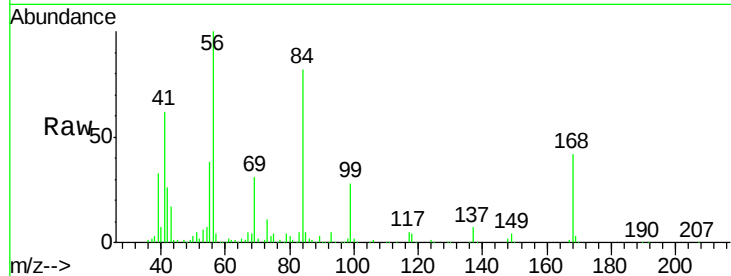
99 67.8 53.0 79.6

Manual Integrations

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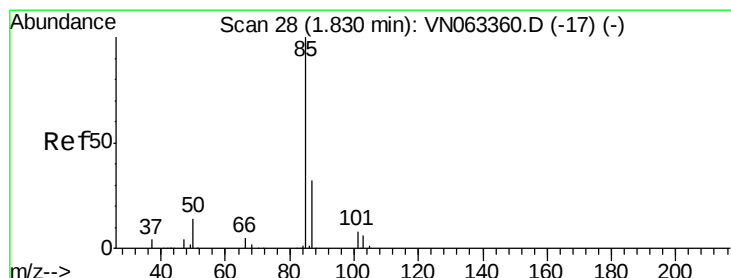
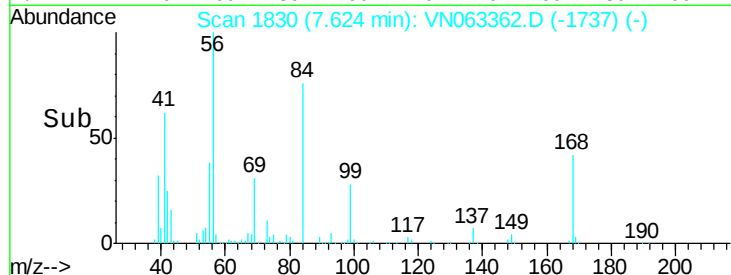
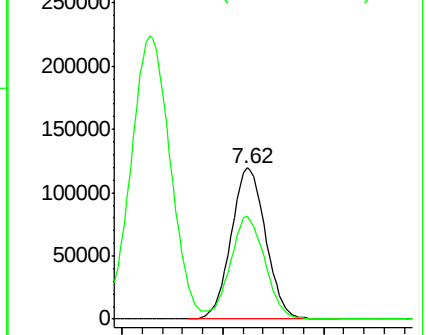
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 168.255 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063362.D

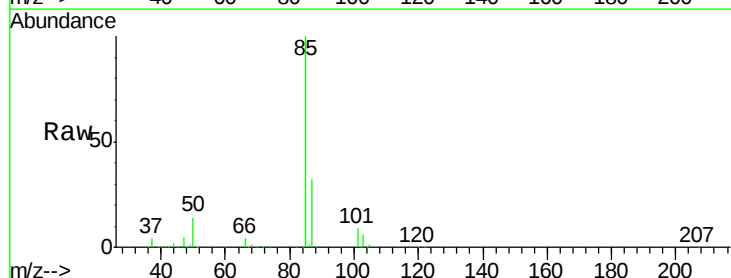
Acq: 16 Sep 2020 12:43

Tgt Ion: 85 Resp: 475491

Ion Ratio Lower Upper

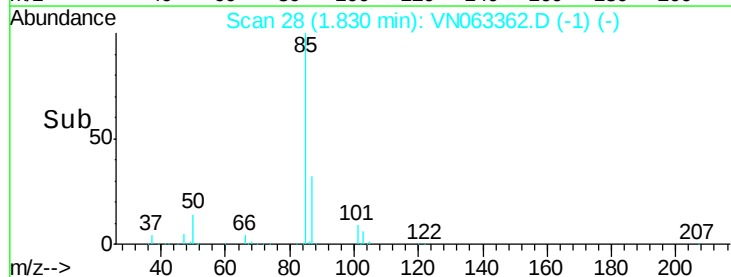
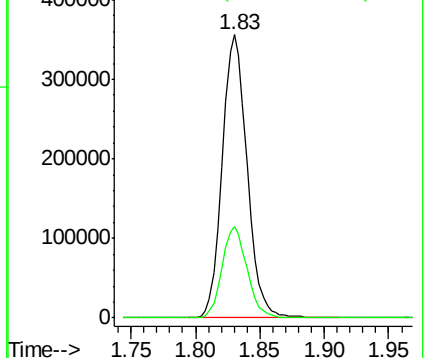
85 100

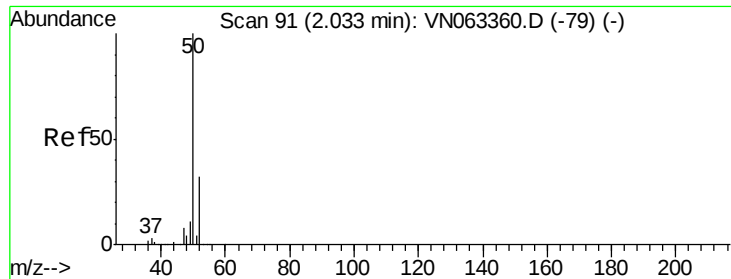
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





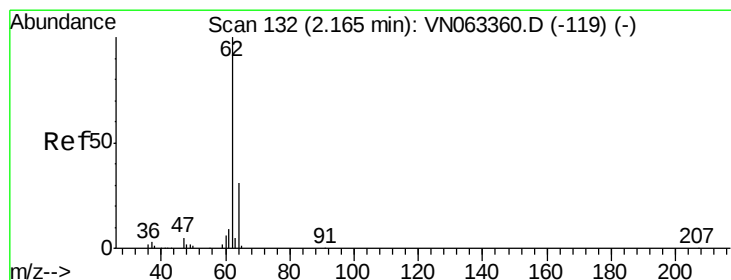
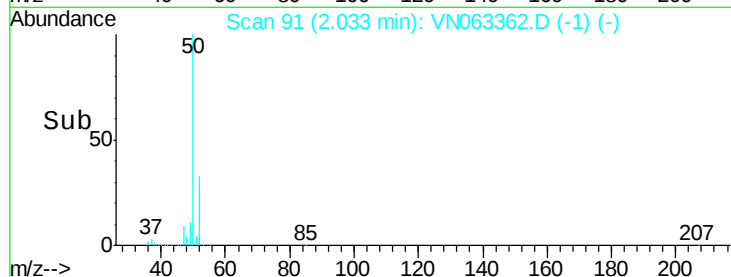
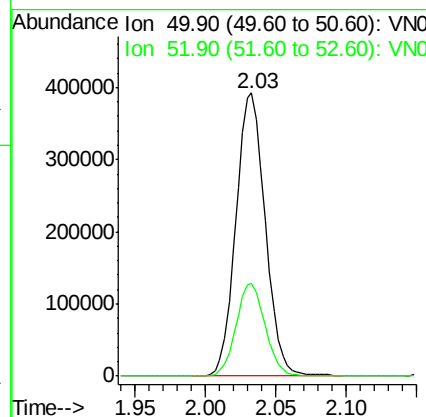
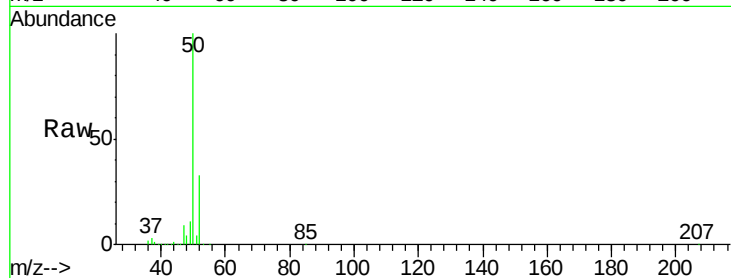
#3
Chloromethane
Concen: 138.292 ug/l
RT: 2.03 min Scan# 91
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.9	38.9

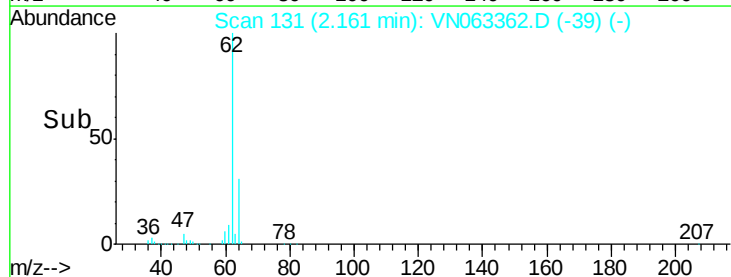
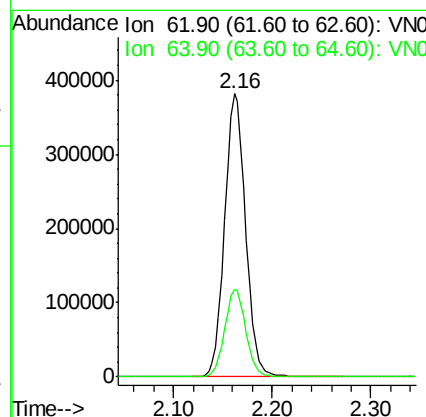
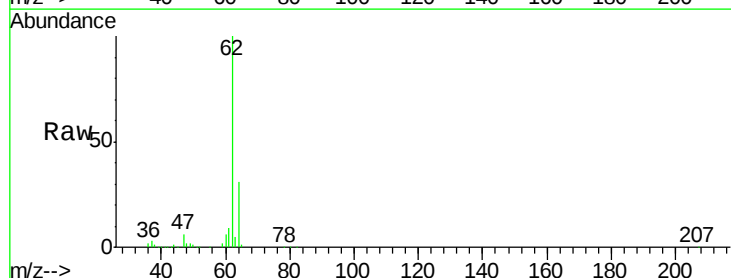
Manual Integrations
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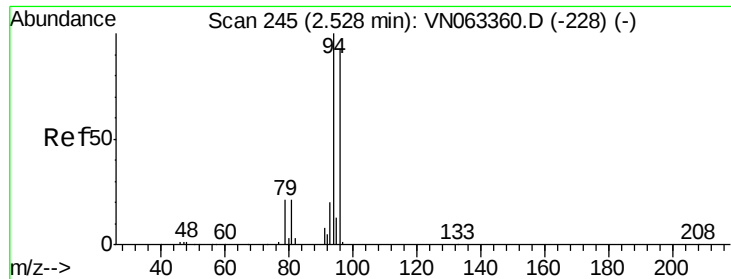
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#4
Vinyl Chloride
Concen: 148.299 ug/l
RT: 2.16 min Scan# 131
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.1	25.1	37.7





#5

Bromomethane

Concen: 130.488 ug/l

RT: 2.51 min Scan# 240

Delta R.T. -0.02 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 340137

Ion Ratio Lower Upper

94 100

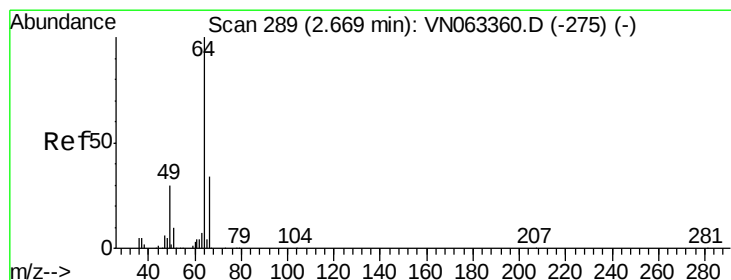
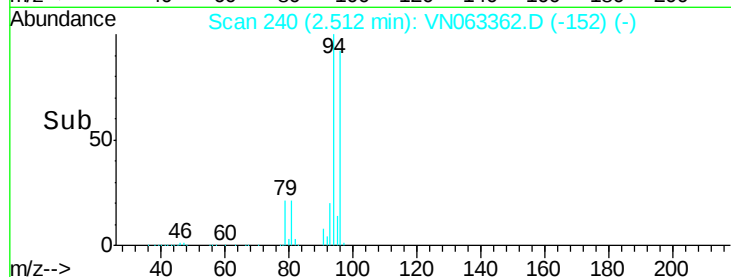
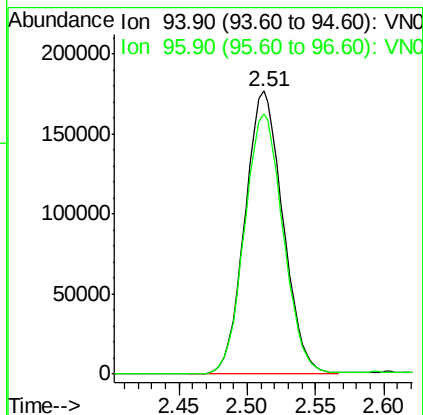
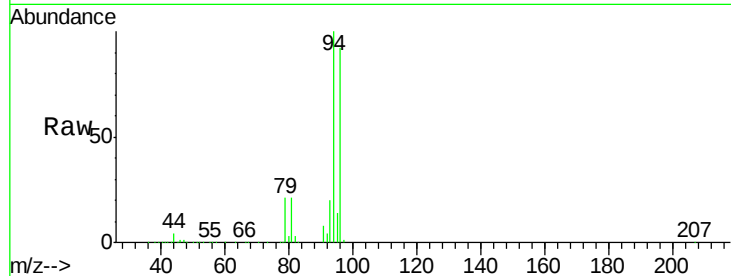
96 92.3 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 134.162 ug/l

RT: 2.66 min Scan# 287

Delta R.T. -0.01 min

Lab File: VN063362.D

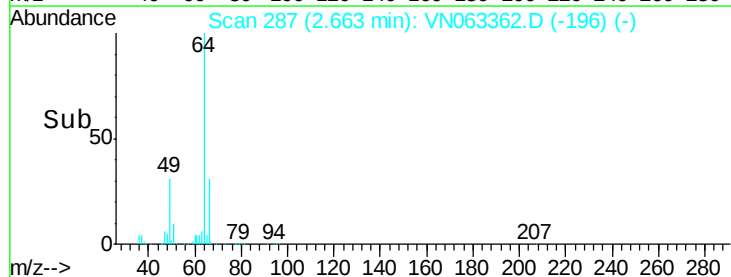
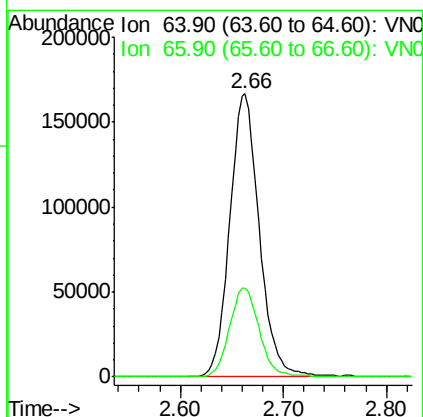
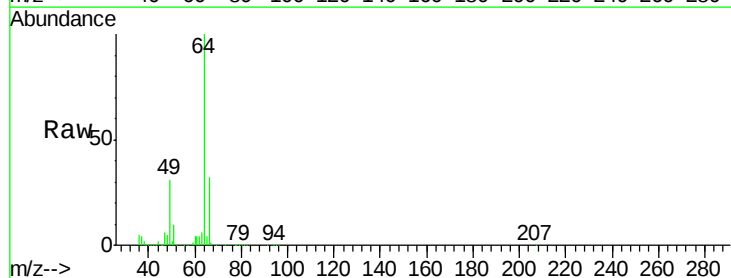
Acq: 16 Sep 2020 12:43

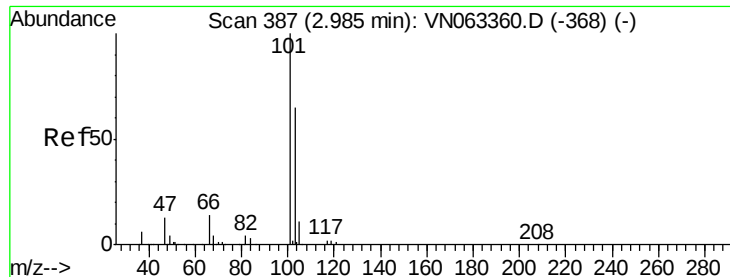
Tgt Ion: 64 Resp: 333110

Ion Ratio Lower Upper

64 100

66 31.6 26.9 40.3





#7

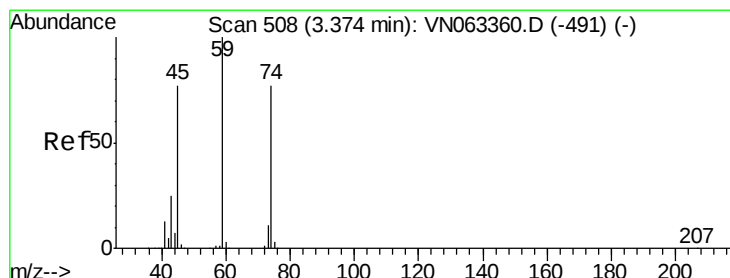
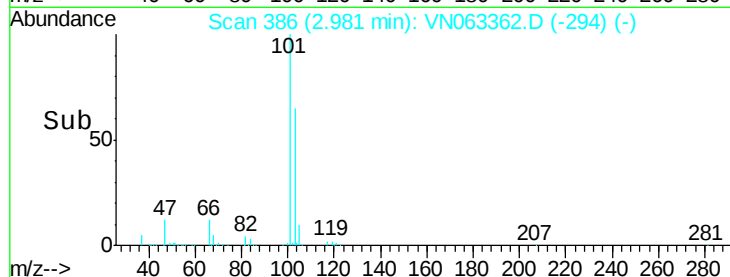
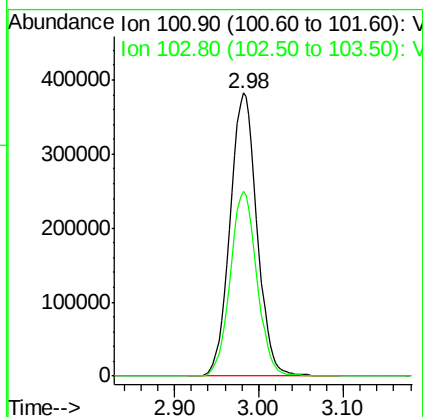
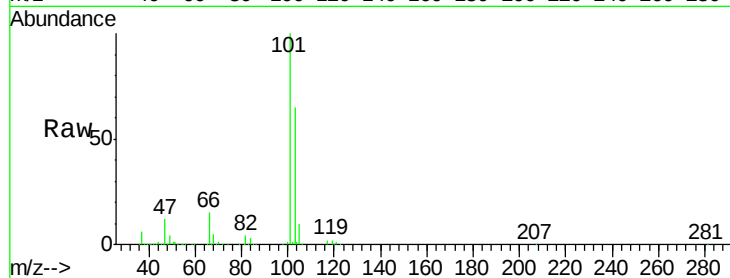
Trichlorofluoromethane
 Concen: 142.898 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

Manual Integrations
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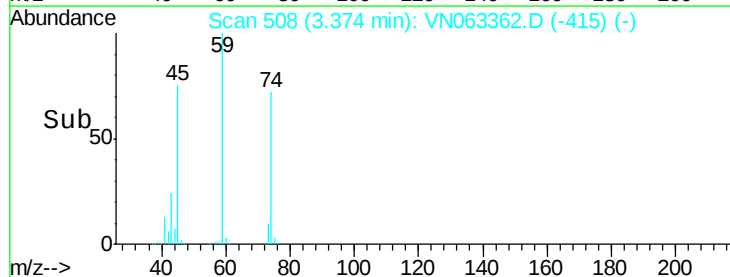
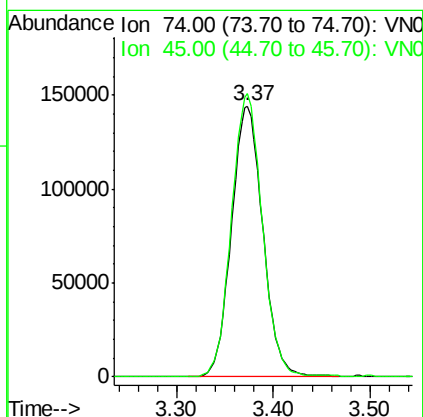
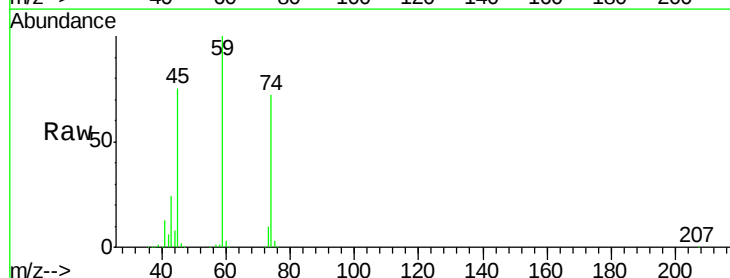
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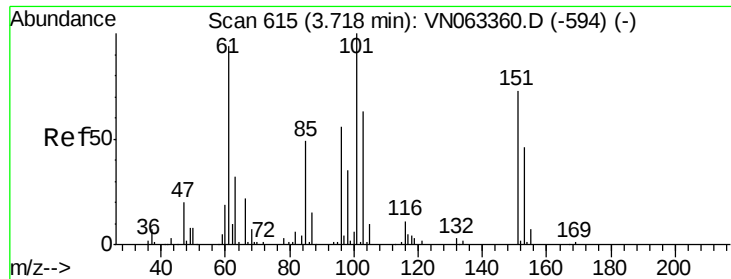


#8

Diethyl Ether
 Concen: 150.236 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.1	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.381 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

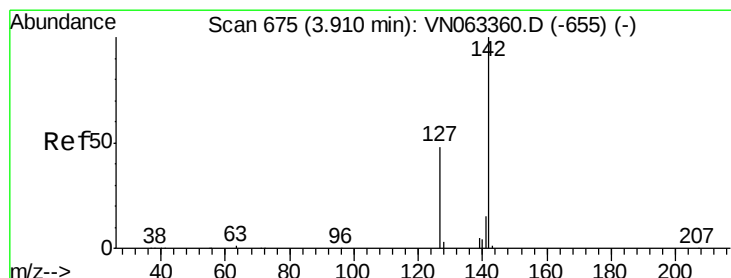
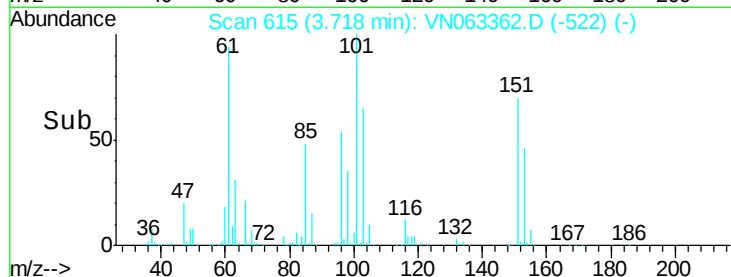
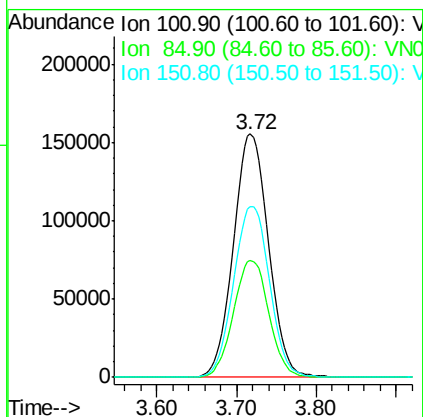
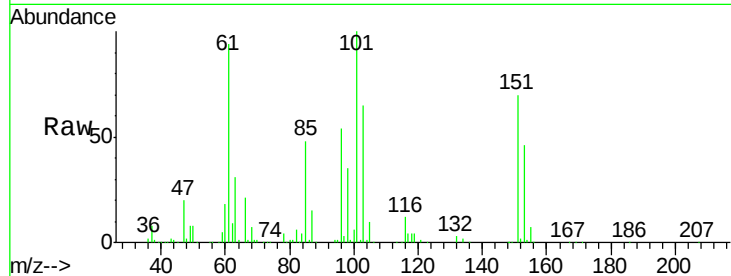
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	462471
Ion Ratio	Lower	Upper	
101	100		
85	48.3	37.7	56.5
151	72.2	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 164.270 ug/l

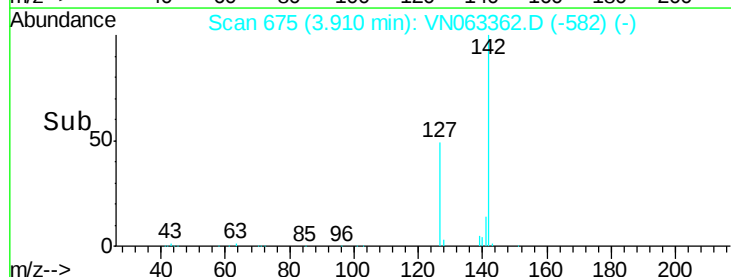
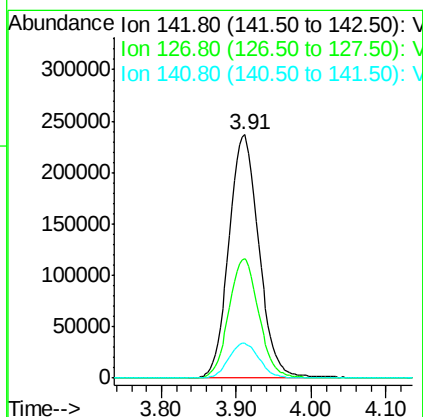
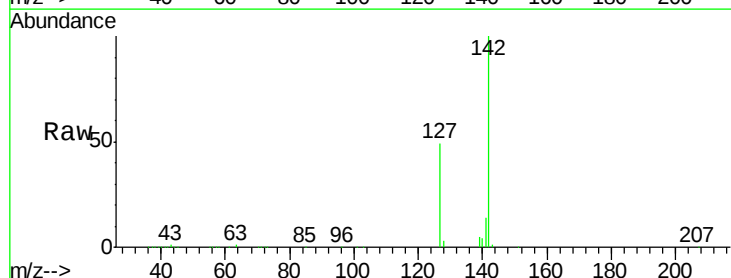
RT: 3.91 min Scan# 675

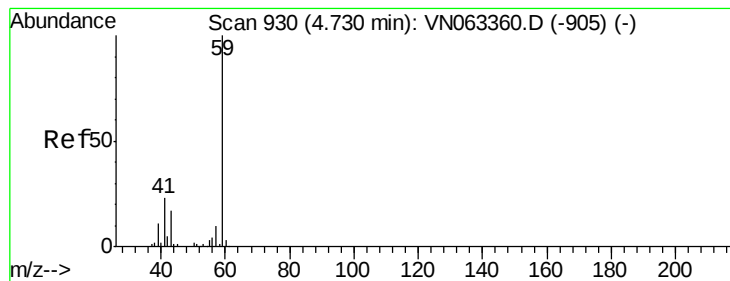
Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Tgt Ion:	142	Resp:	664317
Ion Ratio	Lower	Upper	
142	100		
127	48.9	39.0	58.6
141	14.5	11.6	17.4





#11

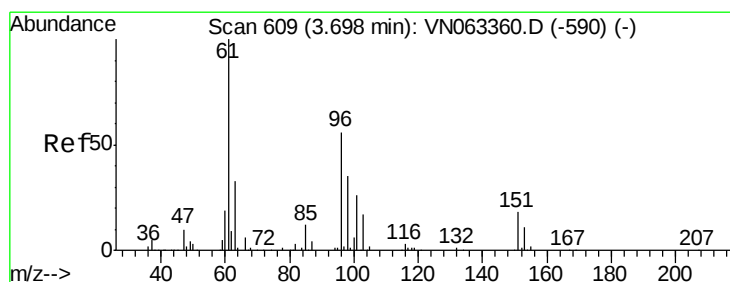
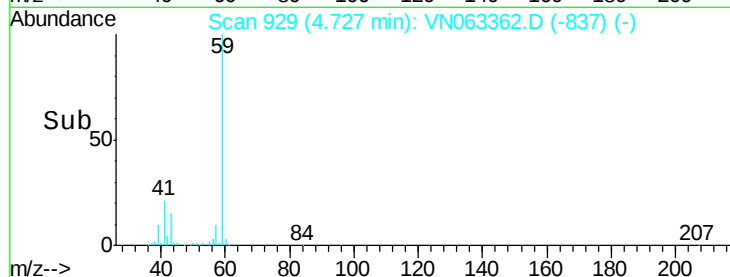
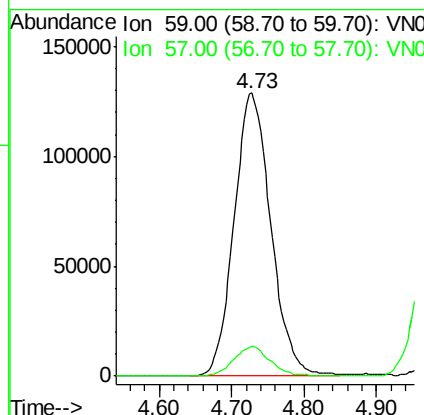
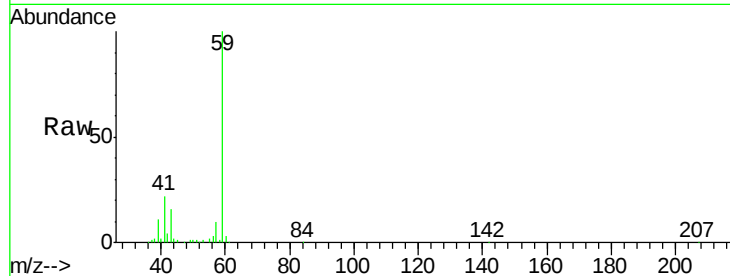
Tert butyl alcohol
 Concen: 752.125 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.4	12.6

Manual Integrations
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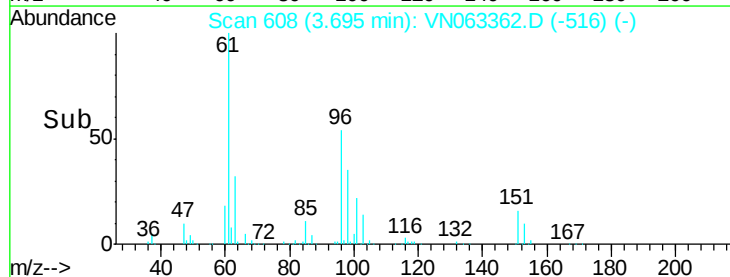
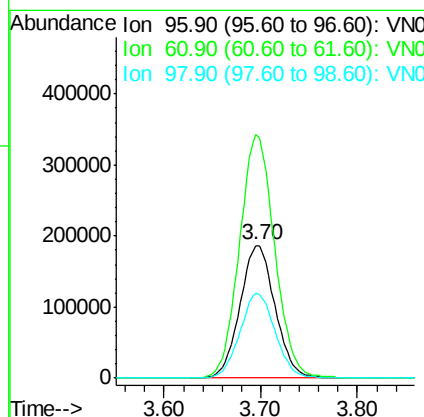
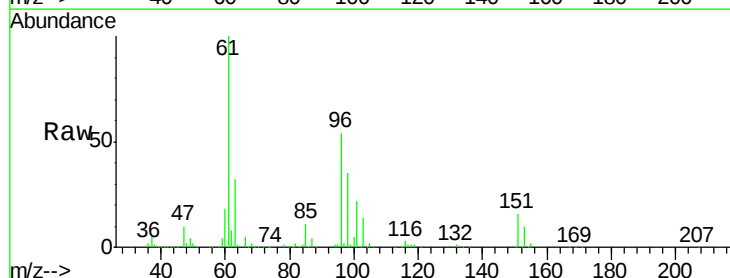
MMDadoda
 9/17/2020 1:07:55 PM

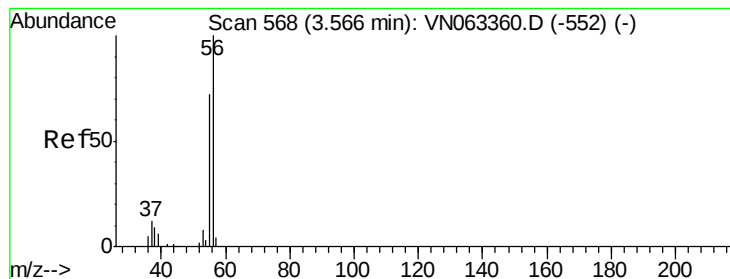


#12

1,1-Dichloroethene
 Concen: 149.103 ug/l
 RT: 3.70 min Scan# 608
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.8	143.4	215.2
98	63.9	50.6	76.0





#13

Acrolein

Concen: 1170.774 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 324756

Ion Ratio Lower Upper

56 100

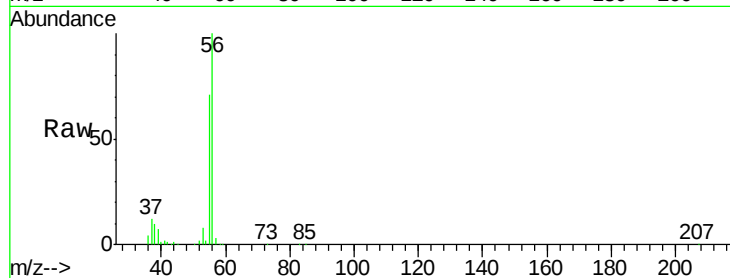
55 71.5 58.2 87.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.56

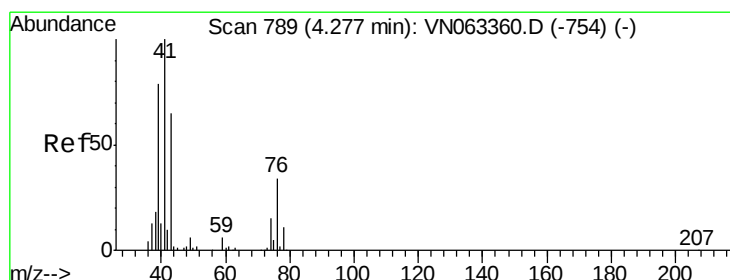
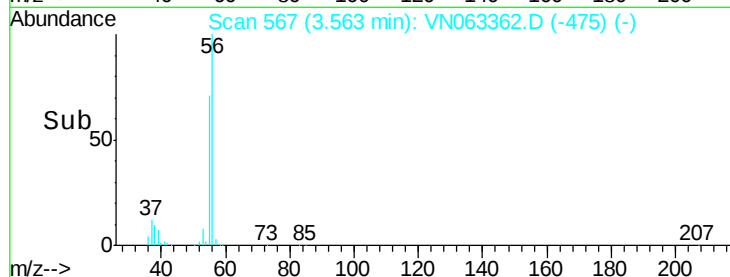
150000

100000

50000

0

Time-->



#14

Allyl chloride

Concen: 147.872 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

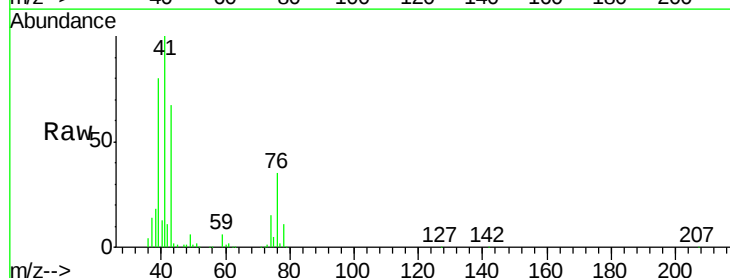
Tgt Ion: 41 Resp: 953679

Ion Ratio Lower Upper

41 100

39 75.8 59.3 88.9

76 31.7 25.3 37.9



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.27

400000

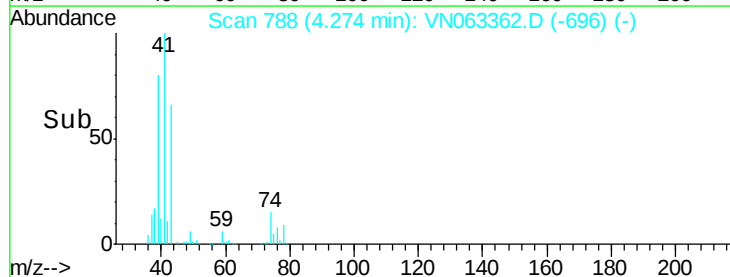
300000

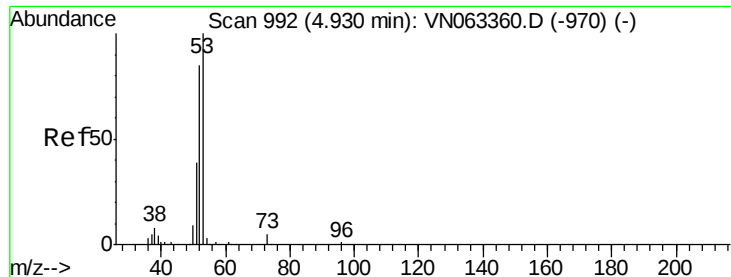
200000

100000

0

Time-->





#15

Acrylonitrile

Concen: 772.334 ug/l

RT: 4.93 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 1260752

Ion Ratio Lower Upper

53 100

52 83.5 66.4 99.6

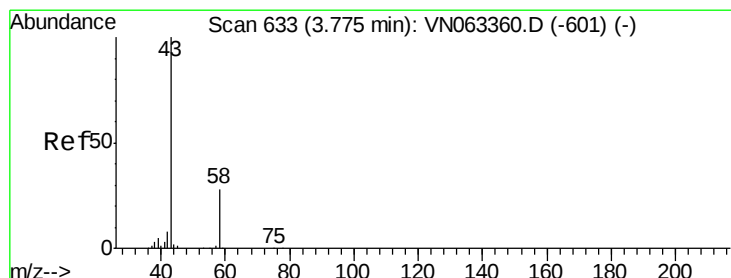
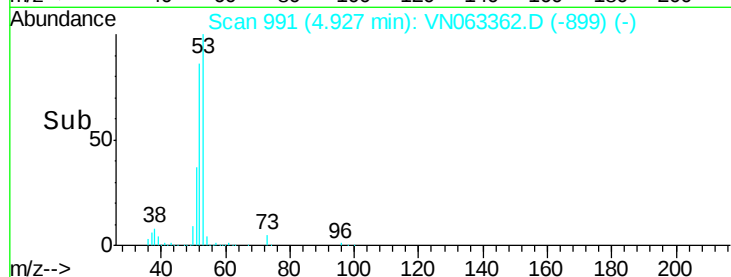
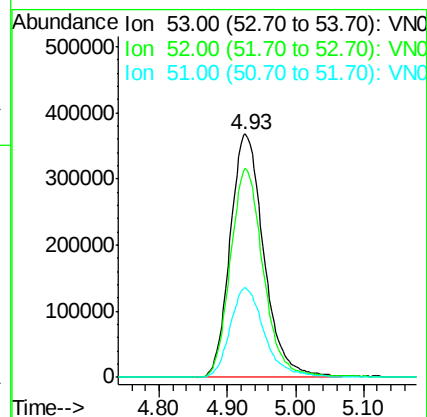
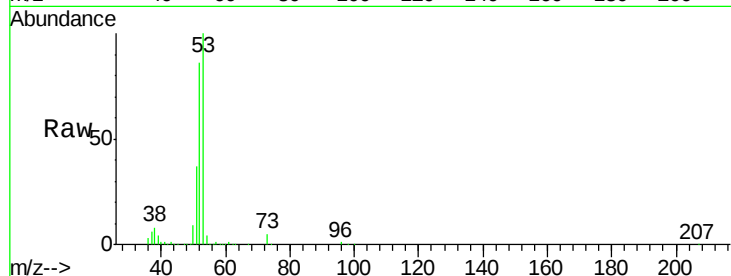
51 37.7 30.2 45.4

Manual Integrations

APPROVED

MMDadoda

9/17/2020 1:07:55 PM



#16

Acetone

Concen: 710.315 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063362.D

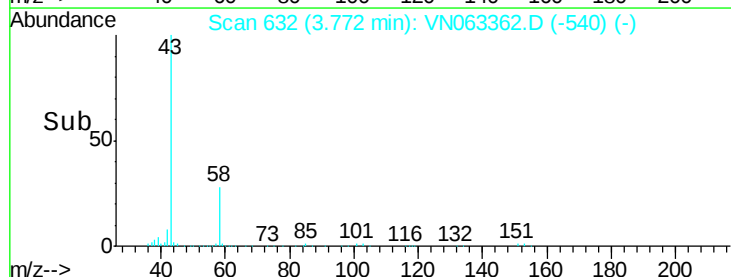
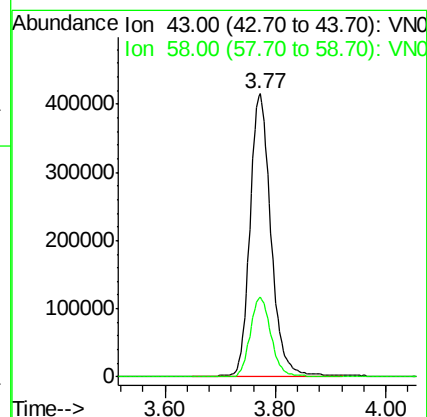
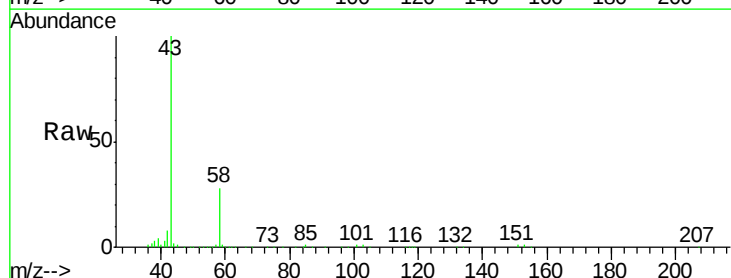
Acq: 16 Sep 2020 12:43

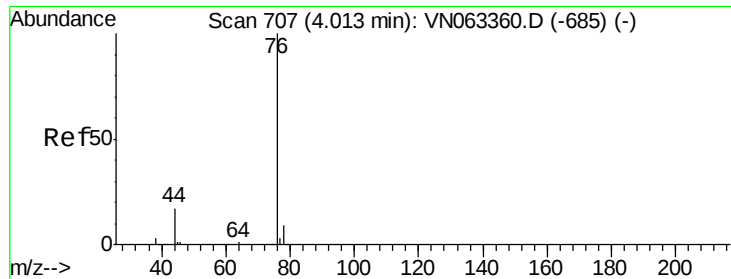
Tgt Ion: 43 Resp: 1099915

Ion Ratio Lower Upper

43 100

58 28.1 22.3 33.5





#17

Carbon Disulfide

Concen: 144.898 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1410054

Ion Ratio Lower Upper

76 100

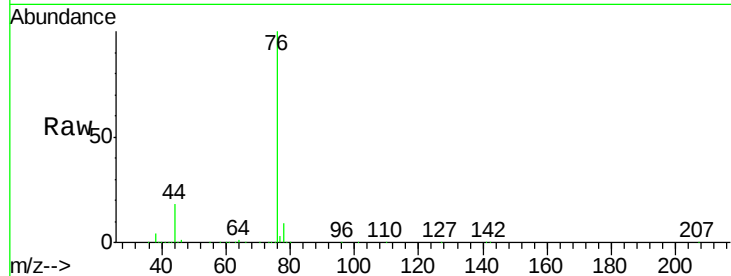
78 9.0 7.2 10.8

Manual Integrations

APPROVED

MMDadoda

9/17/2020 1:07:55 PM



Abundance Ion 75.90 (75.60 to 76.60): VN063362.D (-614) (-)

Ion 77.90 (77.60 to 78.60): VN063362.D (-614) (-)

600000

500000

400000

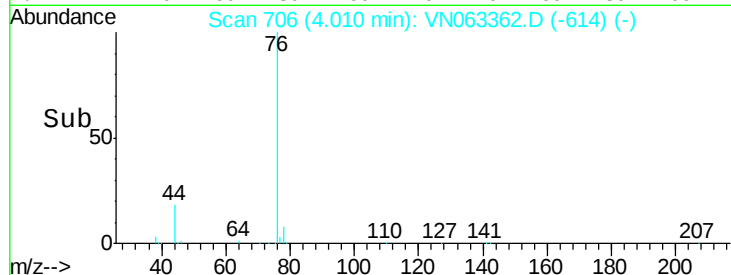
300000

200000

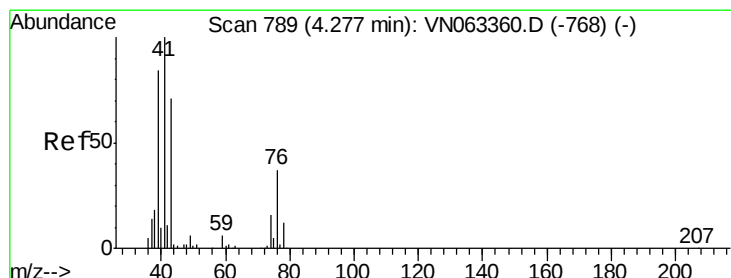
100000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 147.843 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN063362.D

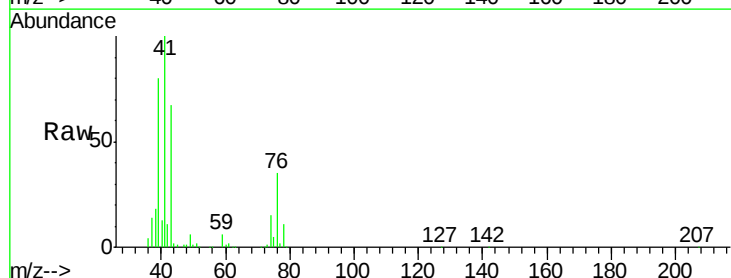
Acq: 16 Sep 2020 12:43

Tgt Ion: 43 Resp: 577581

Ion Ratio Lower Upper

43 100

74 22.1 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN063362.D (-696) (-)

Ion 74.00 (73.70 to 74.70): VN063362.D (-696) (-)

200000

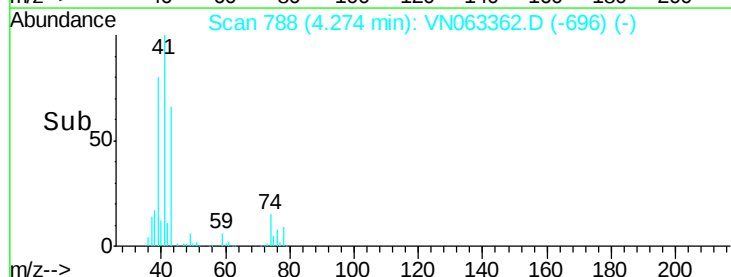
150000

100000

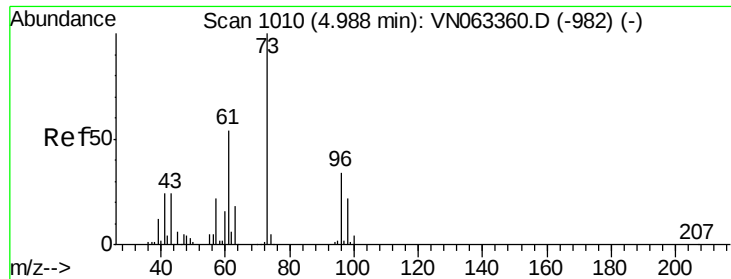
50000

0

Time-->



Time-->



#19

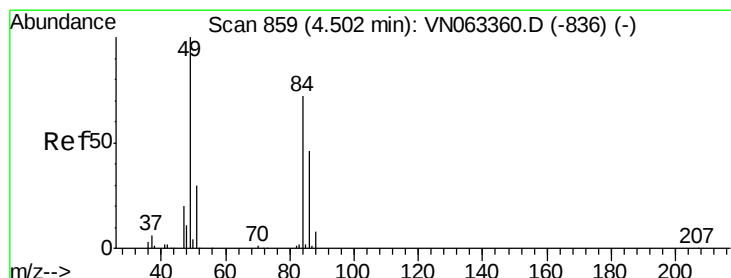
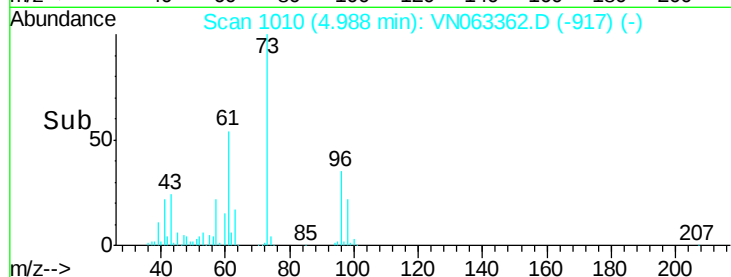
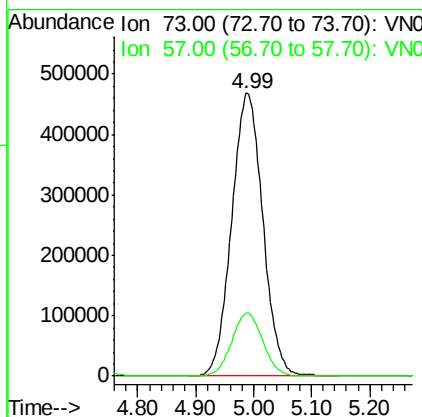
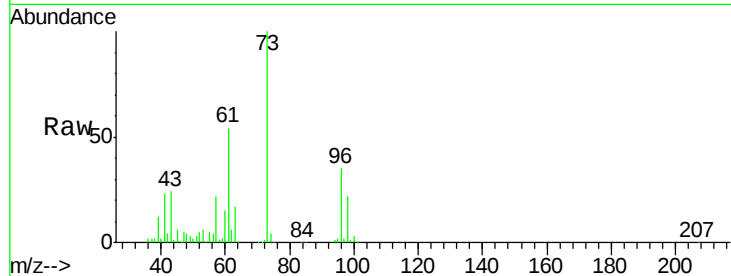
Methvl tert-butvl Ether
 Concen: 155.558 ug/l
 RT: 4.99 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1752257
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.9 26.9

Manual Integrations
 APPROVED

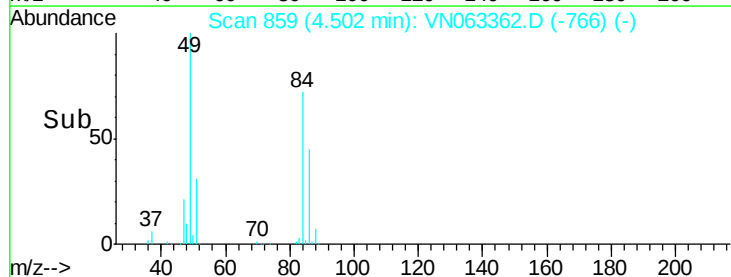
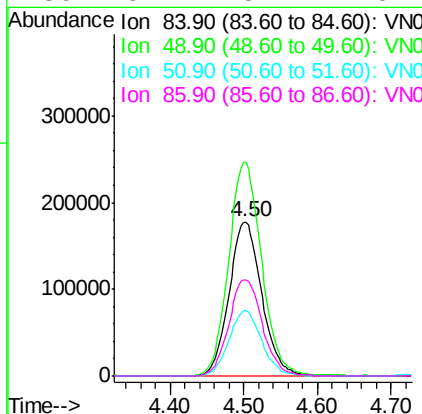
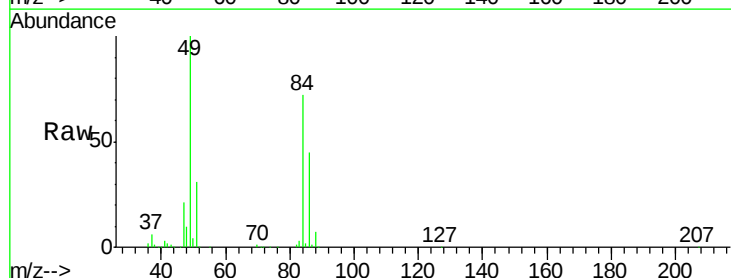
MMDadoda
 9/17/2020 1:07:55 PM

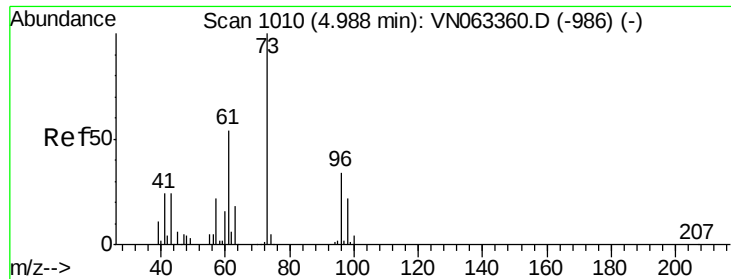


#20

Methylene Chloride
 Concen: 138.232 ug/l
 RT: 4.50 min Scan# 859
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Tgt Ion: 84 Resp: 548118
 Ion Ratio Lower Upper
 84 100
 49 138.5 110.7 166.1
 51 42.4 32.9 49.3
 86 62.4 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 147.454 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

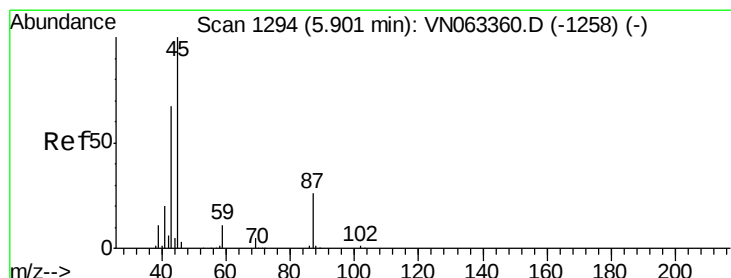
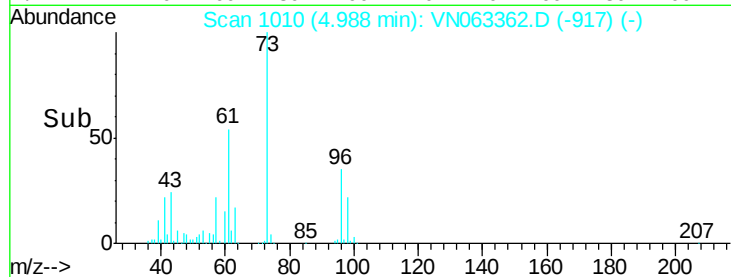
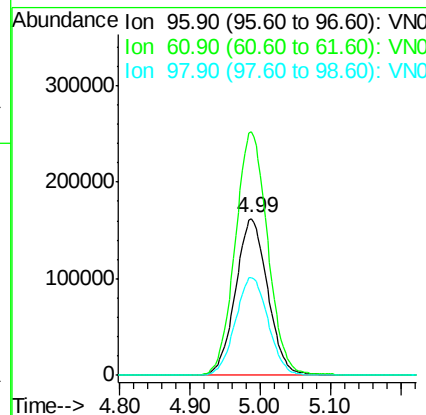
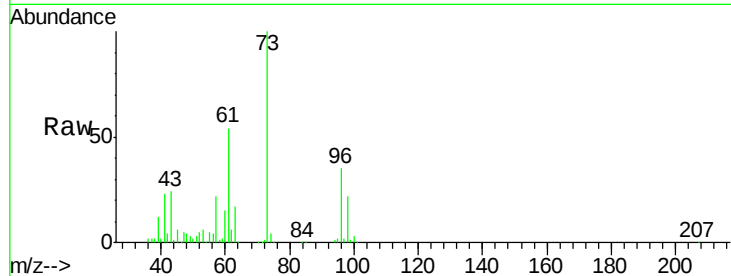
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	518512
Ion	Ratio	Lower	Upper
96	100		
61	155.1	126.2	189.4
98	62.4	51.0	76.4

Manual Integrations
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MMDadoda
9/17/2020 1:07:55 PM



#22

Diisopropyl ether

Concen: 151.198 ug/l

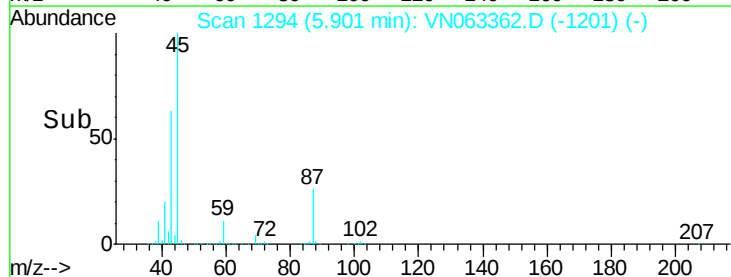
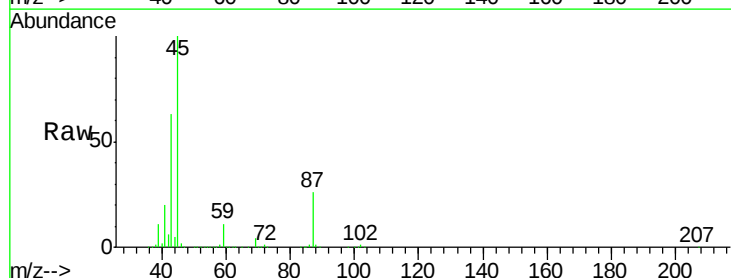
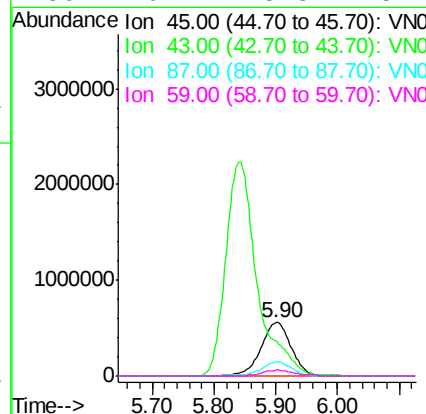
RT: 5.90 min Scan# 1294

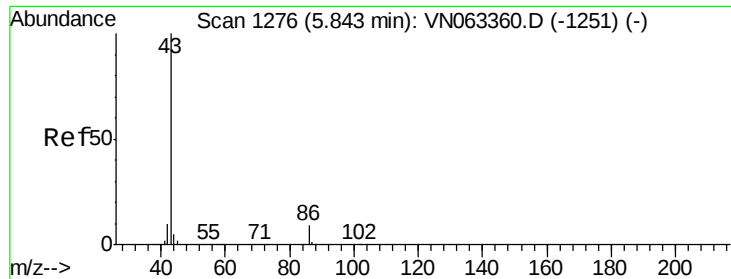
Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Tgt Ion:	45	Resp:	1906223
Ion	Ratio	Lower	Upper
45	100		
43	63.2	53.5	80.3
87	26.3	21.2	31.8
59	10.7	8.8	13.2





#23

Vinyl Acetate

Concen: 790.861 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleID :

VSTDIC150

Tot Ion: 43 Resp: 7891556

Ion Ratio Lower Upper

43 100

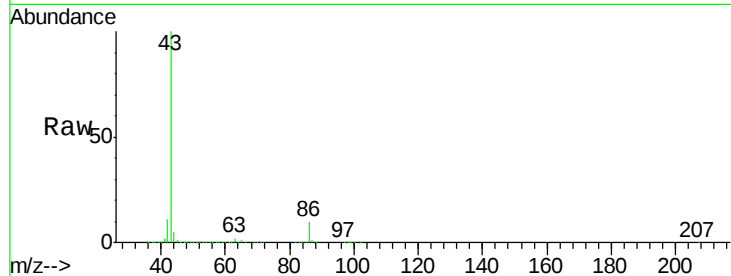
86 9.8 7.1 10.7

Manual Integrations

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MMDadoda

9/17/2020 1:07:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.84

2500000

2000000

1500000

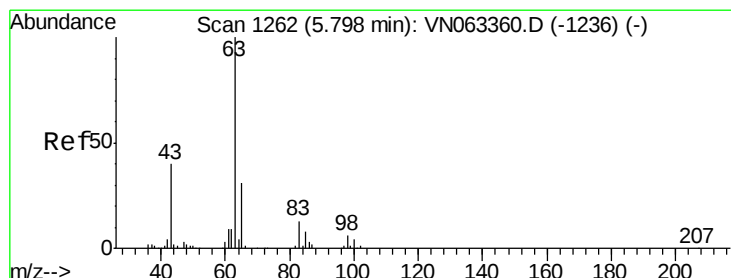
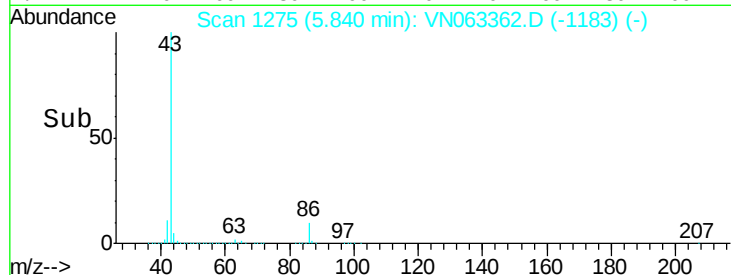
1000000

500000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 151.818 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

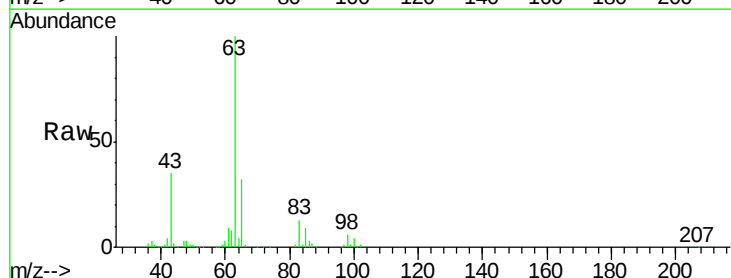
Tgt Ion: 63 Resp: 1045414

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.8

100 3.8 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

400000

300000

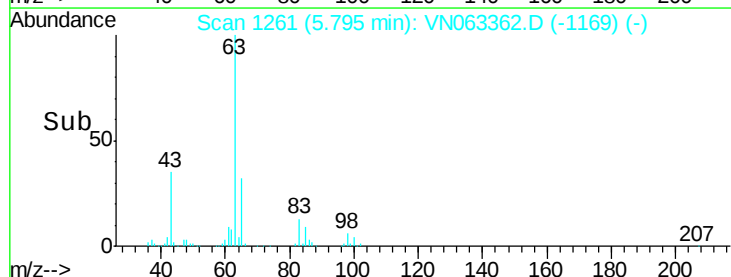
200000

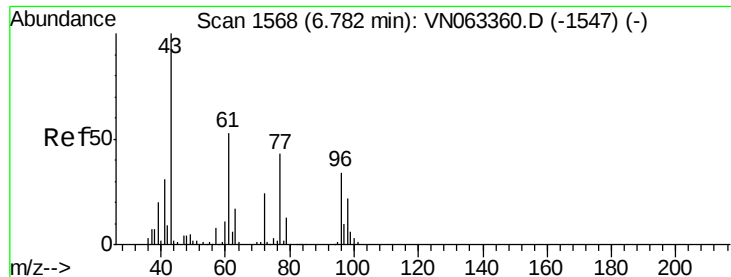
100000

0

Time-->

5.60 5.70 5.80 5.90 6.00





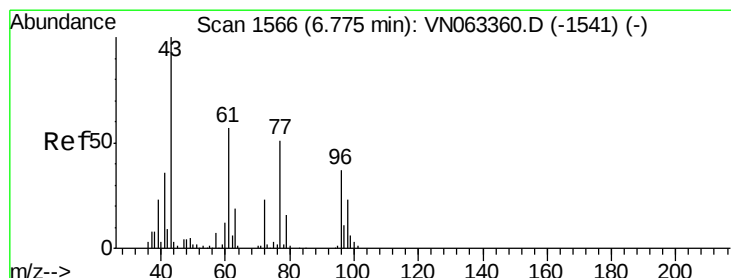
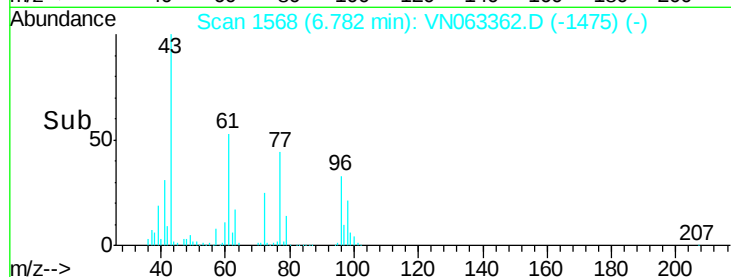
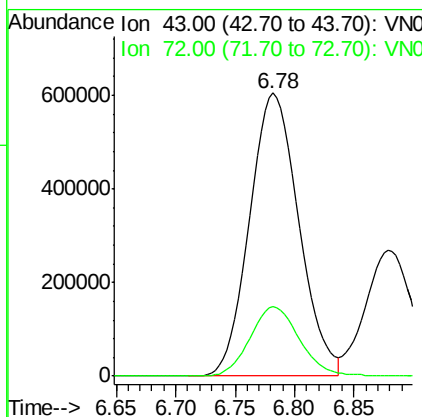
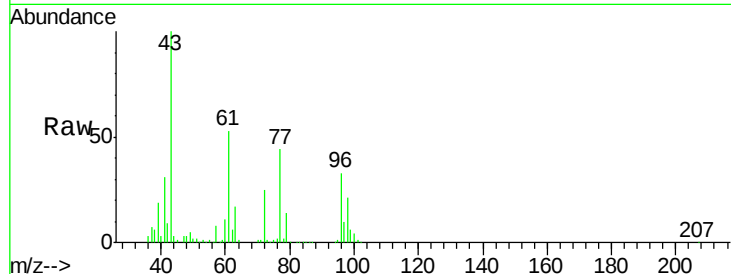
#25
2-Butanone
Concen: 753.275 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 1730359
Ion Ratio Lower Upper
43 100
72 24.6 19.2 28.8

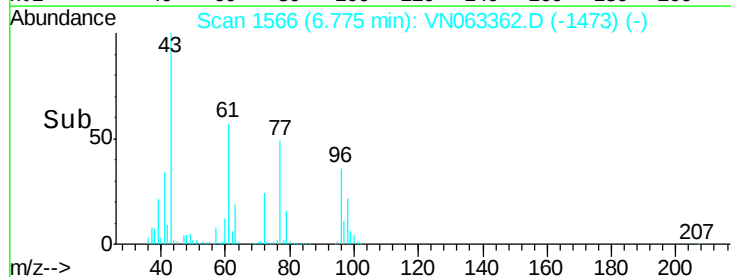
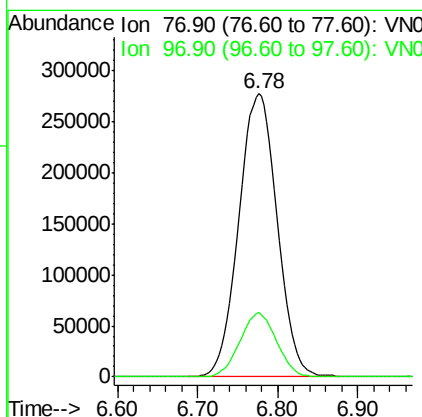
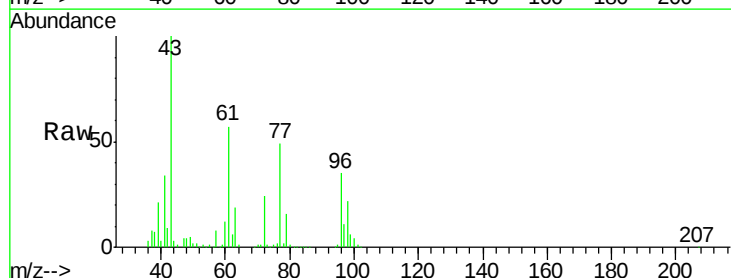
Manual Integrations
APPROVED

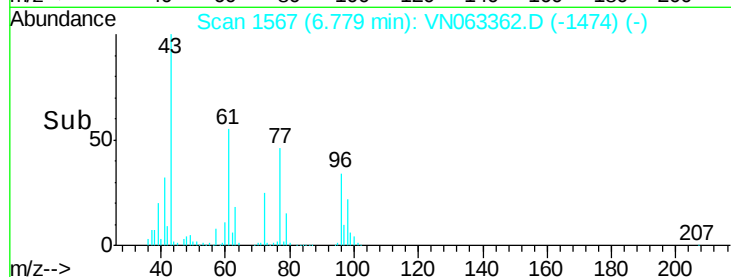
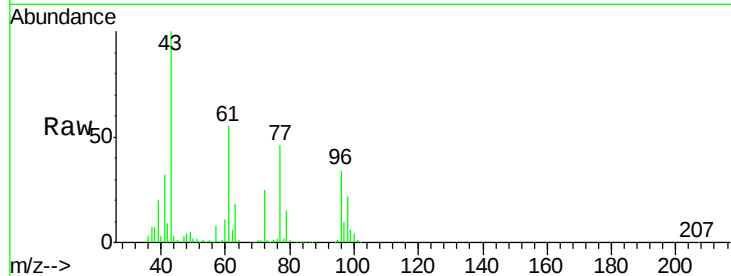
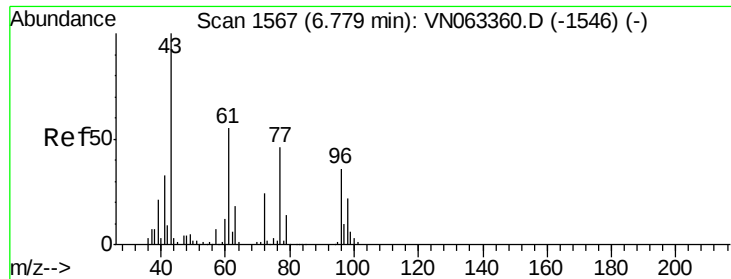
MMDadoda
9/17/2020 1:07:55 PM



#26
2,2-Dichloropropane
Concen: 150.457 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion: 77 Resp: 905629
Ion Ratio Lower Upper
77 100
97 21.6 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 146.493 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063362.D

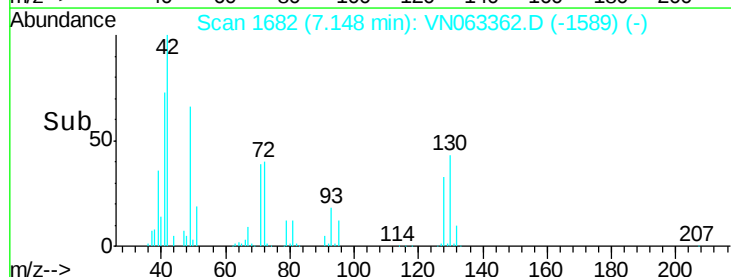
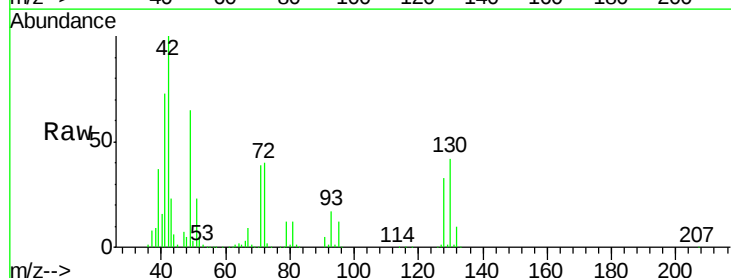
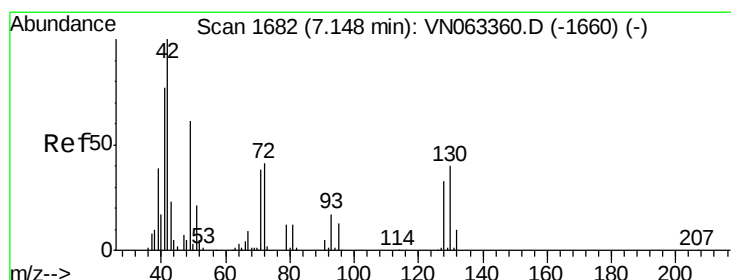
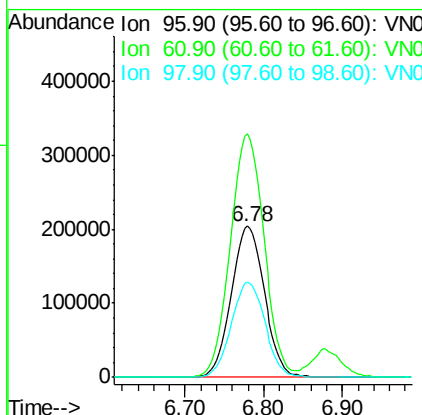
Acq: 16 Sep 2020 12:43

Tot Ion	Ratio	Resp	Lower	Upper
96	100	600233		
61	163.8		0.0	319.6
98	64.5		0.0	127.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
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#28

Bromochloromethane

Concen: 160.053 ug/l

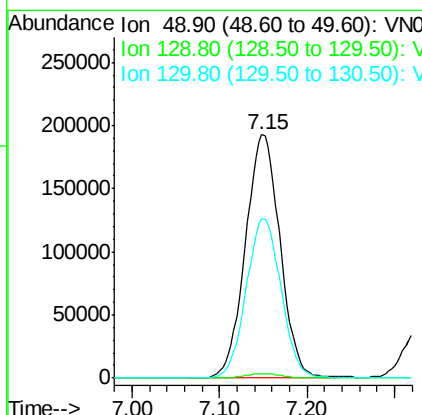
RT: 7.15 min Scan# 1682

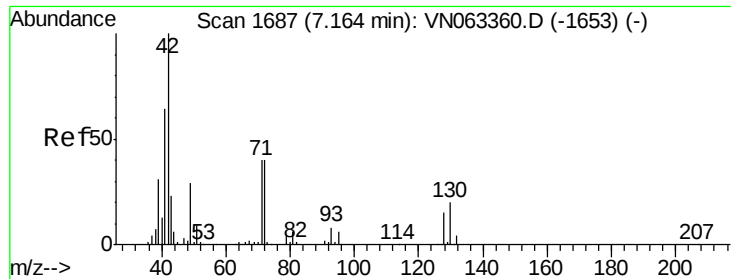
Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	529306		
129	1.9		0.0	3.8
130	66.0		52.2	78.2





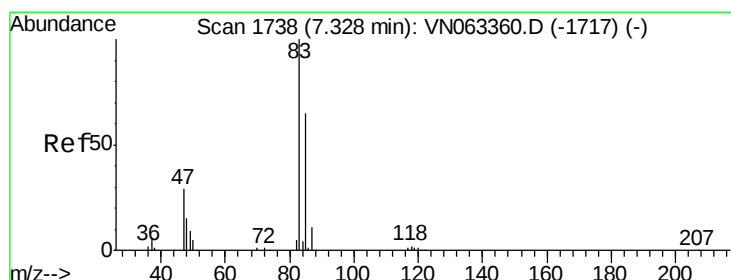
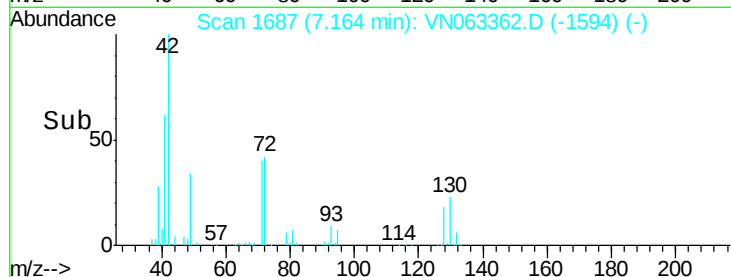
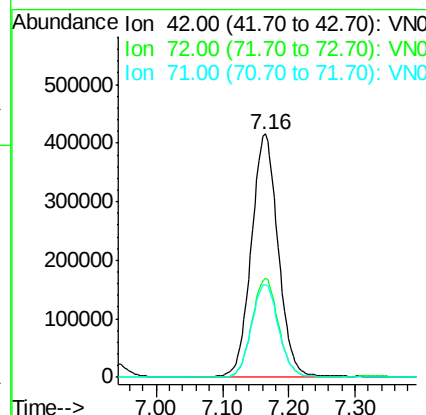
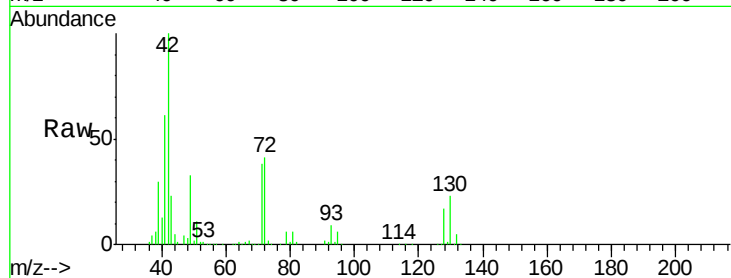
#29
Tetrahydrofuran
Concen: 780.376 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1167713
Ion Ratio Lower Upper
42 100
72 40.3 32.1 48.1
71 38.6 31.2 46.8

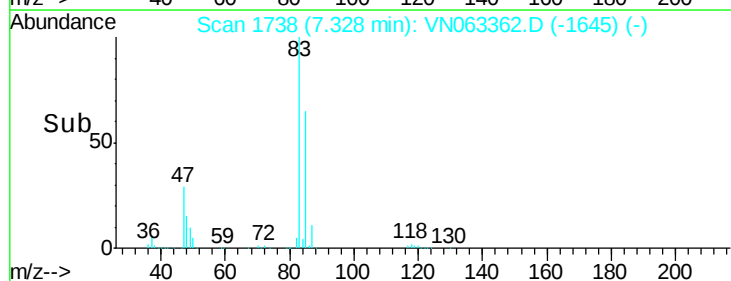
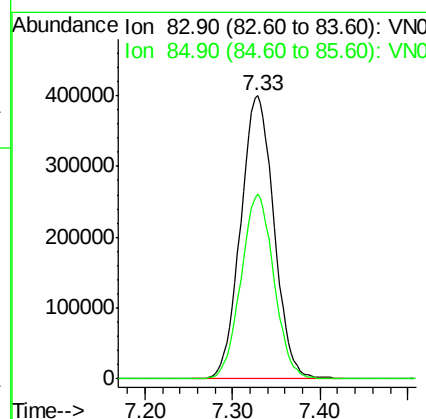
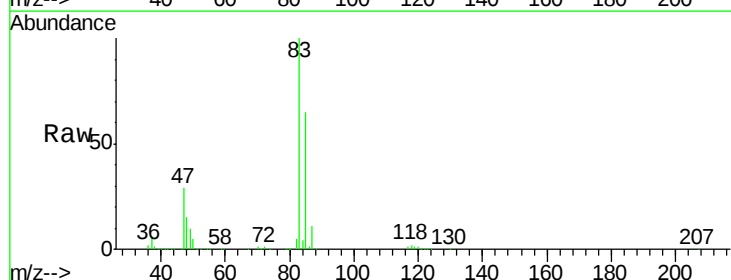
Manual Integrations
APPROVED

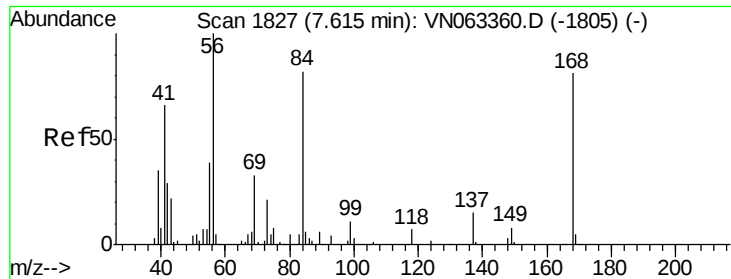
MMDadoda
9/17/2020 1:07:55 PM



#30
Chloroform
Concen: 153.769 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion: 83 Resp: 1056307
Ion Ratio Lower Upper
83 100
85 65.2 52.1 78.1





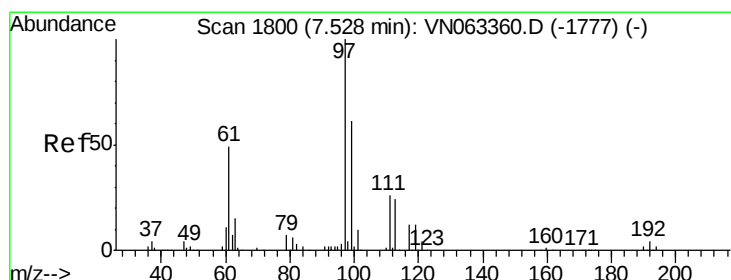
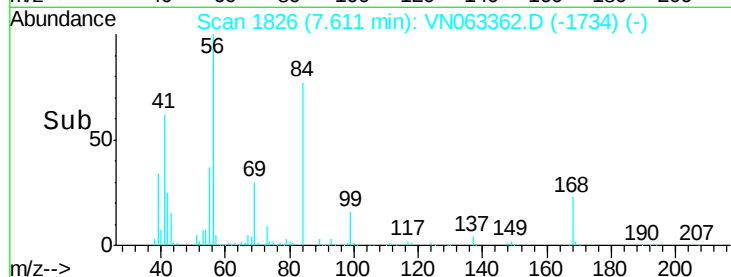
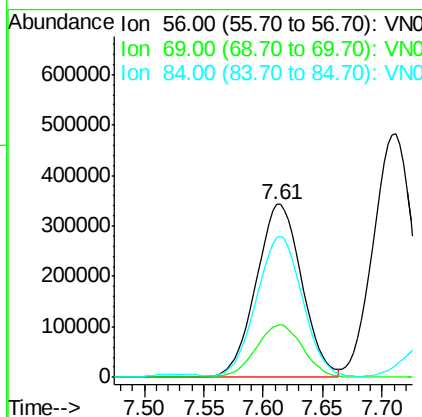
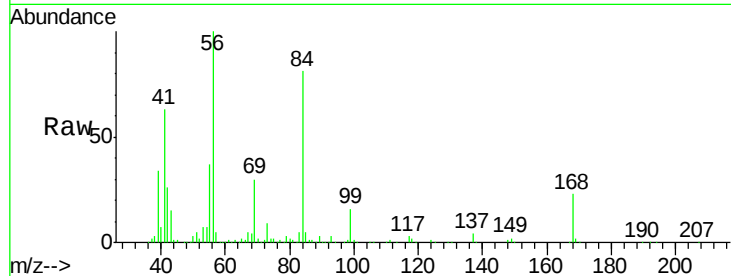
#31
Cyclohexane
Concen: 144.434 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	26.1	39.1
84	78.9	65.4	98.2

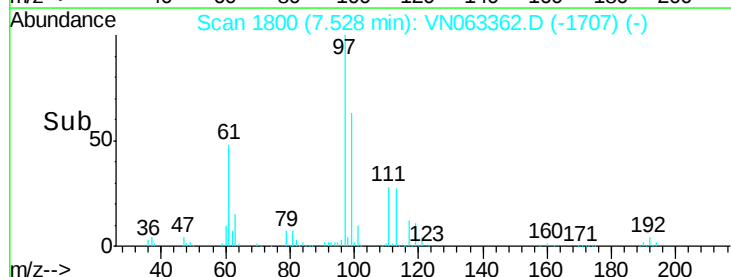
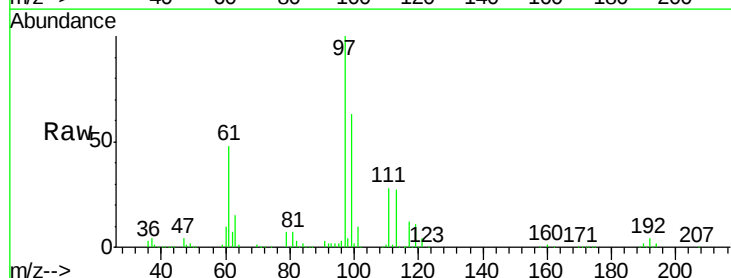
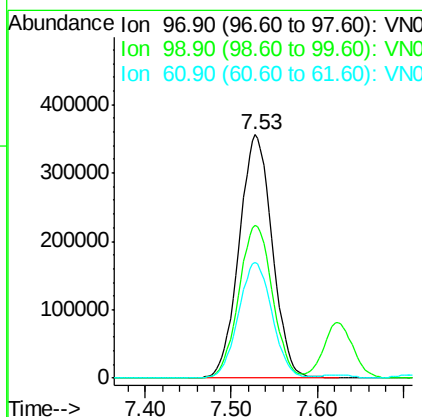
Manual Integrations
APPROVED

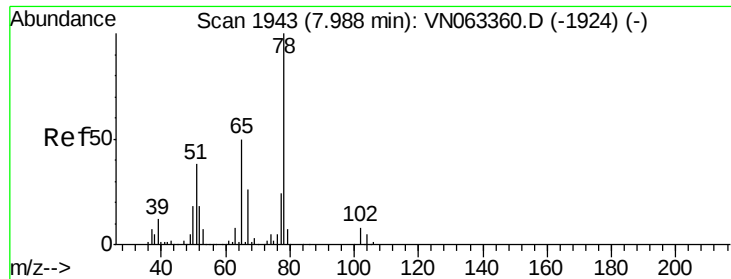
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 158.808 ug/l
RT: 7.53 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.6	76.0
61	48.3	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 164.985 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 744869

Ion Ratio Lower Upper

65 100

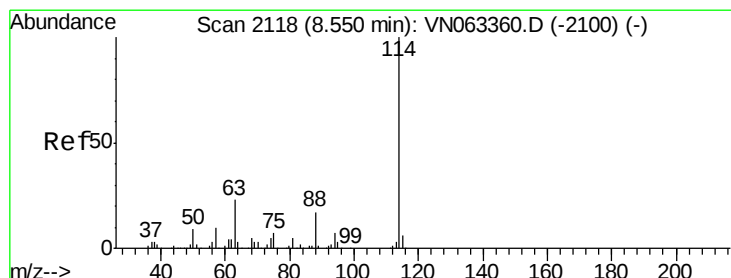
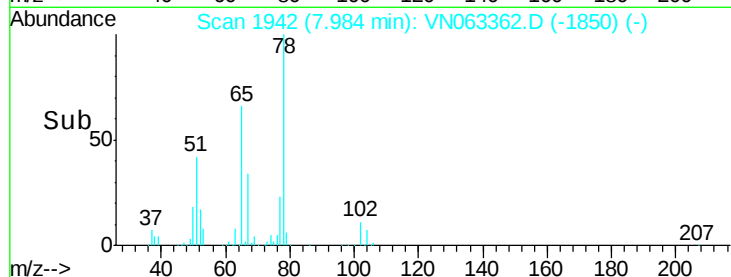
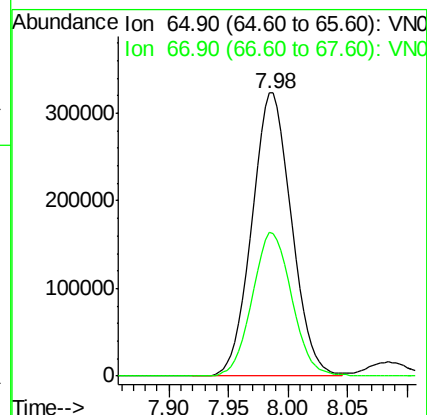
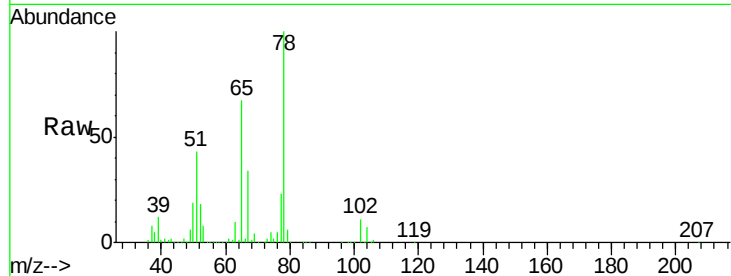
67 50.8 0.0 104.2

Manual Integrations

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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: VN063362.D

Acq: 16 Sep 2020 12:43

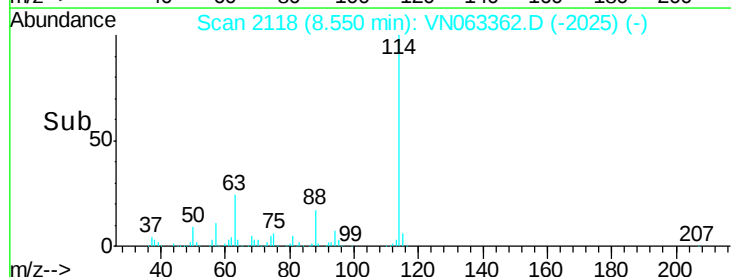
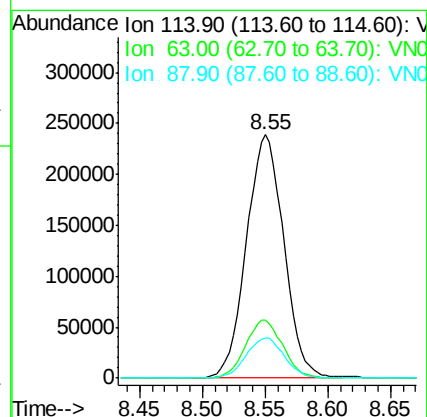
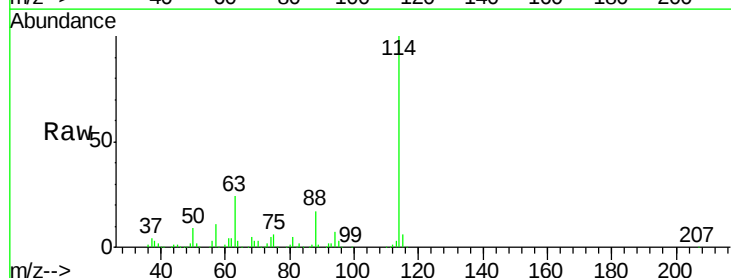
Tgt Ion: 114 Resp: 495859

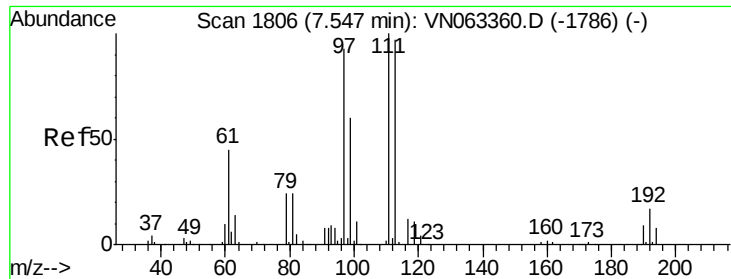
Ion Ratio Lower Upper

114 100

63 23.8 0.0 46.4

88 16.7 0.0 33.2





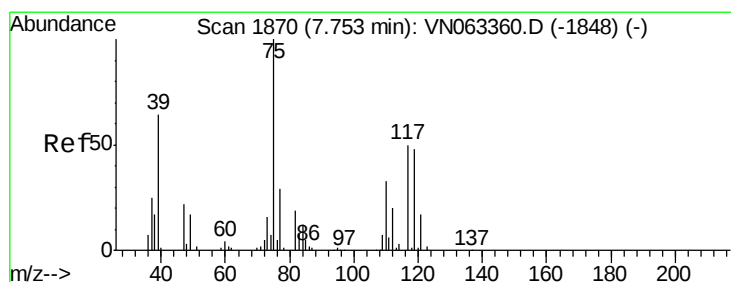
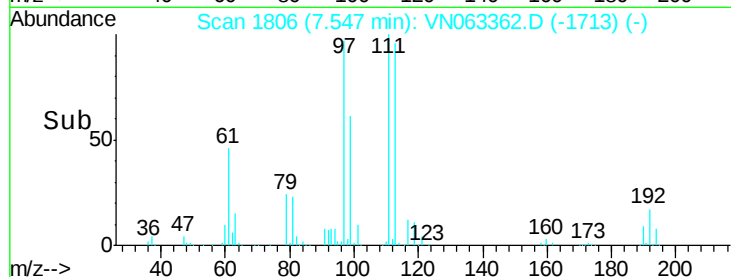
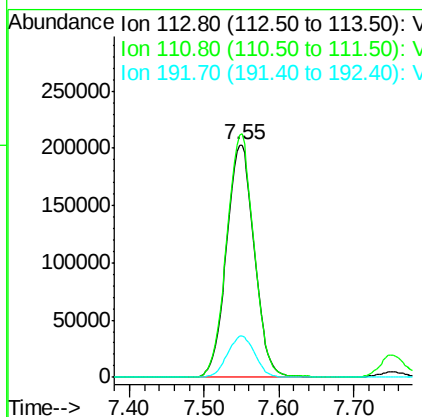
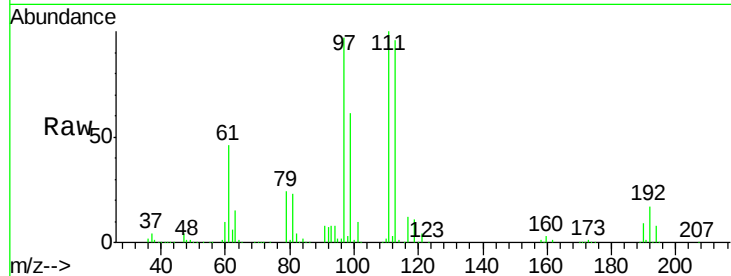
#35
Dibromofluoromethane
Concen: 163.187 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	524480		
111	102.5	82.9	124.3	
192	17.6	13.9	20.9	

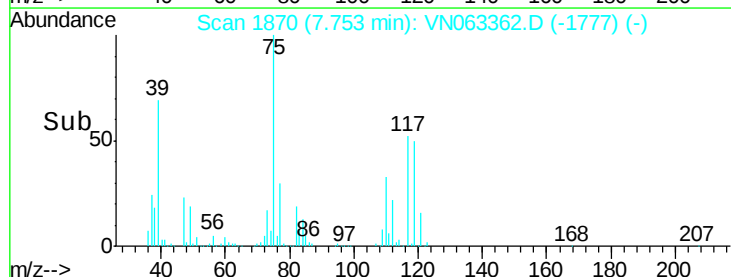
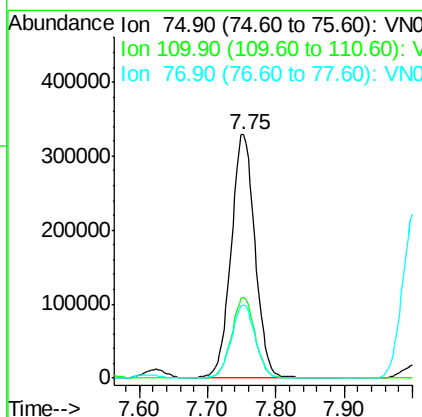
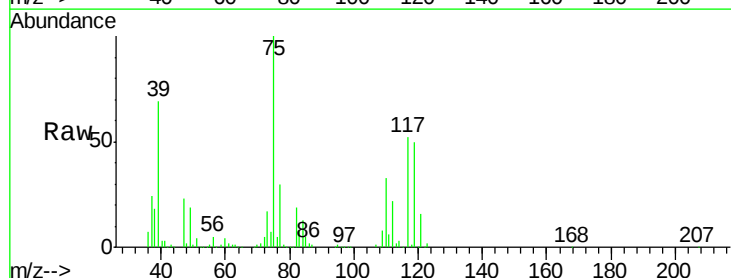
Manual Integrations
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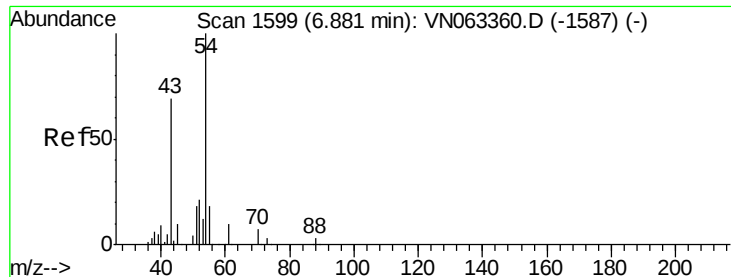
MMDadoda
9/17/2020 1:07:55 PM



#36
1,1-Dichloropropene
Concen: 155.128 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	797744		
110	32.5	16.5	49.5	
77	30.5	24.6	36.8	





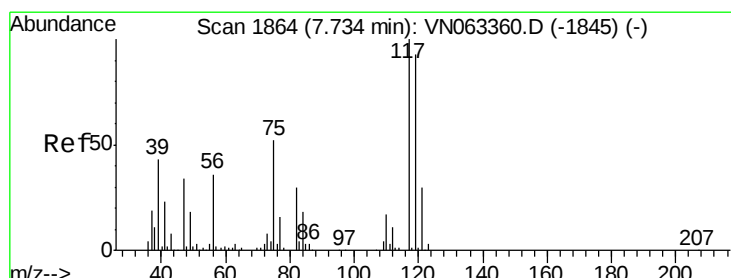
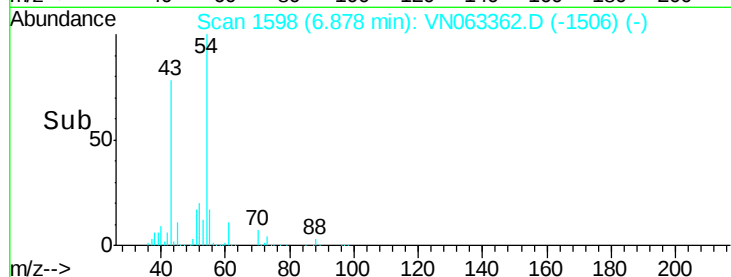
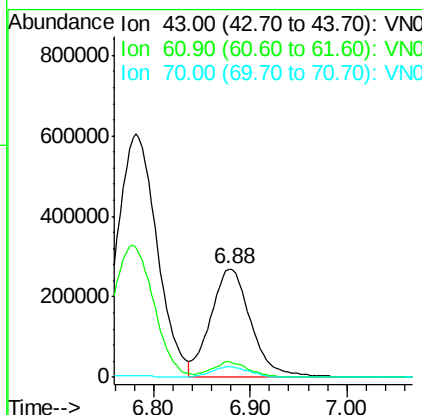
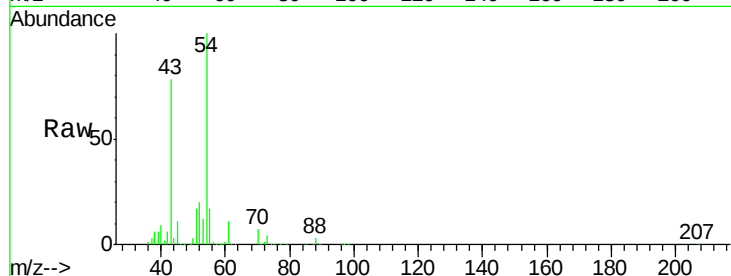
#37
Ethyl Acetate
Concen: 151.110 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.6	15.8
70	9.3	7.2	10.8

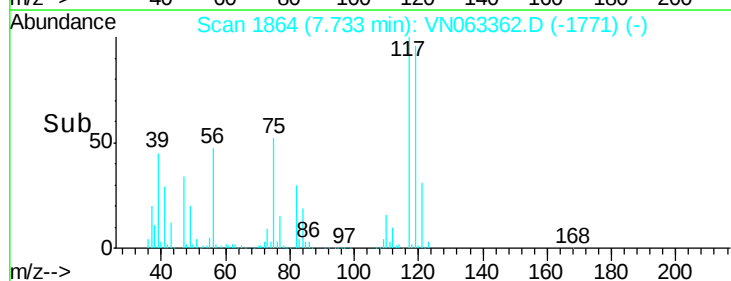
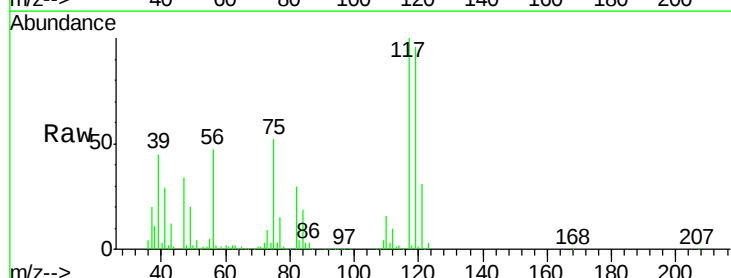
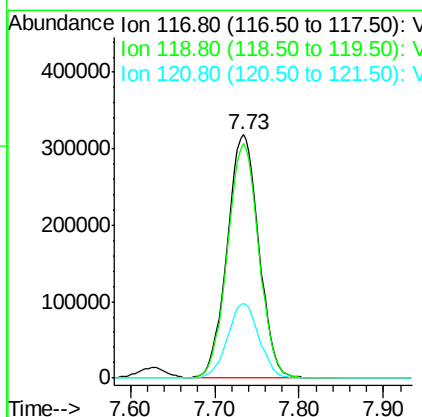
Manual Integrations
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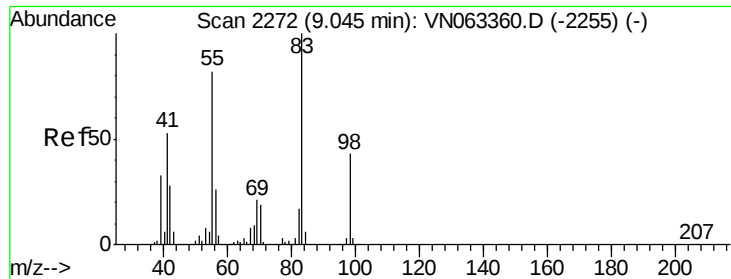
MMDadoda
9/17/2020 1:07:55 PM



#38
Carbon Tetrachloride
Concen: 162.252 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	74.5	111.7
121	30.8	24.1	36.1





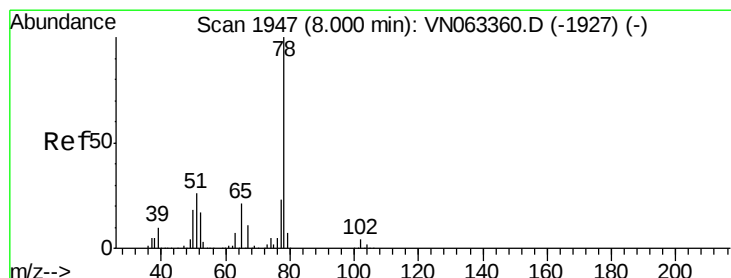
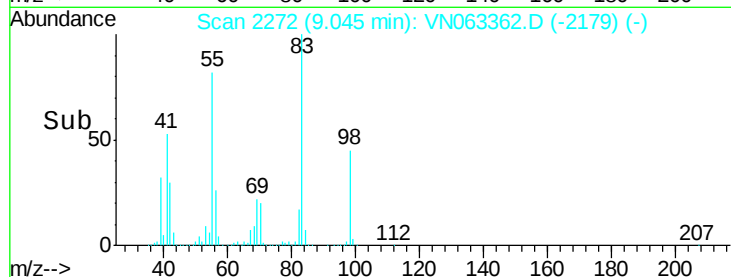
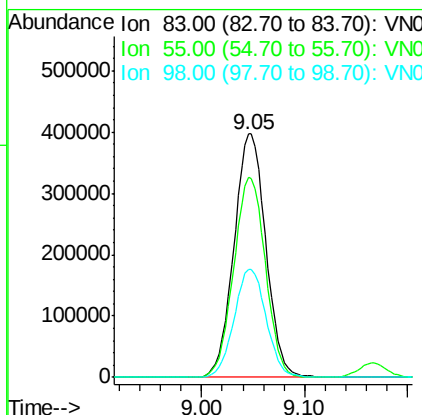
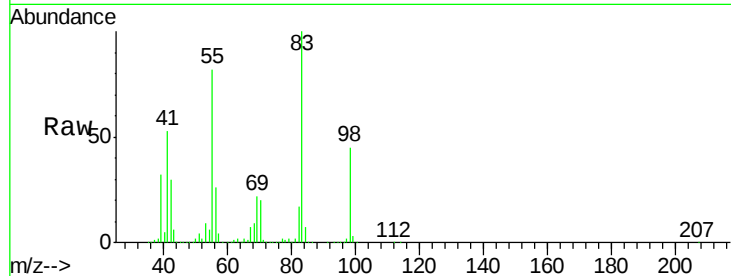
#39
Methvlcvclohexane
Concen: 152.062 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.9	65.5	98.3
98	44.5	34.2	51.4

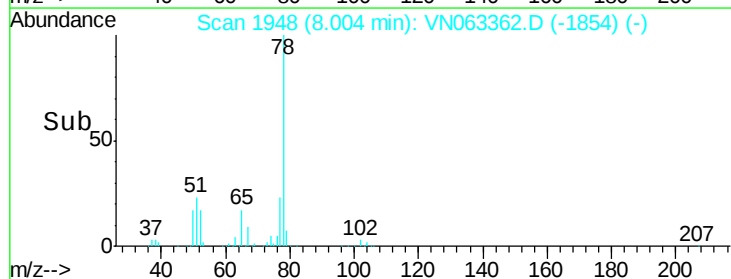
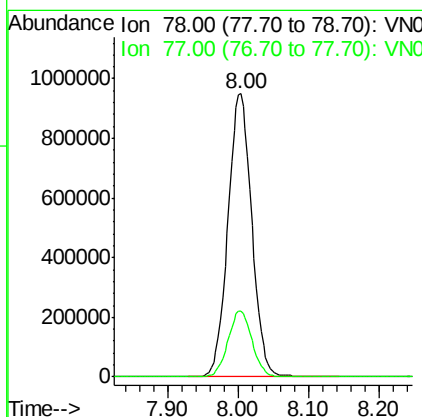
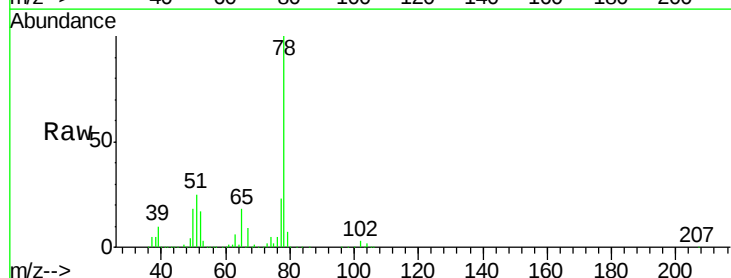
Manual Integrations
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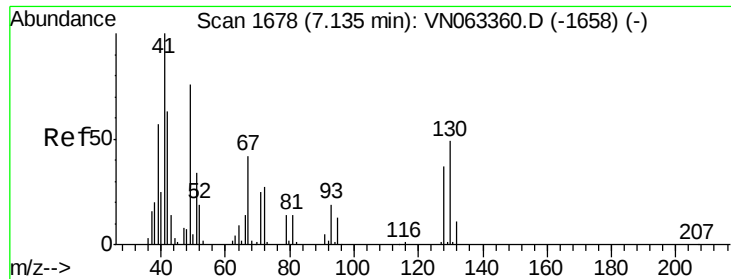
MMDadoda
9/17/2020 1:07:55 PM



#40
Benzene
Concen: 153.071 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





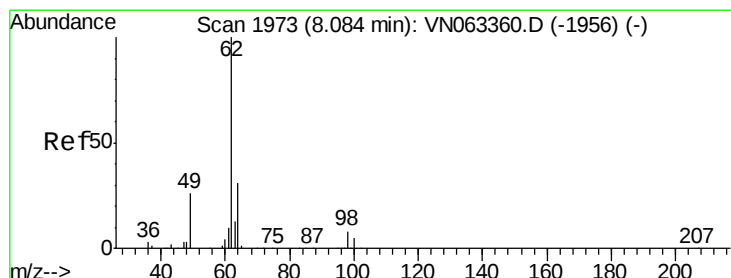
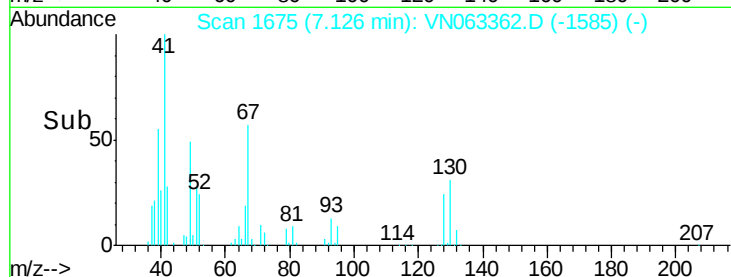
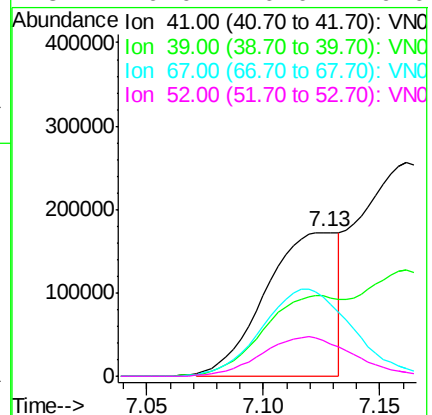
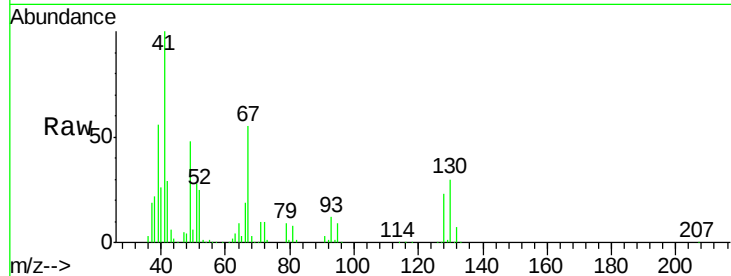
#41
Methacrylonitrile
Concen: 161.725 ug/l m
RT: 7.13 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
41	100	373687		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

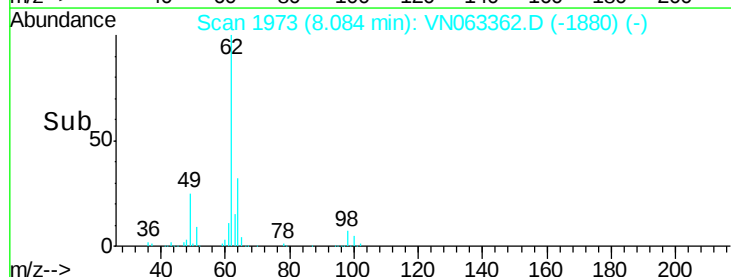
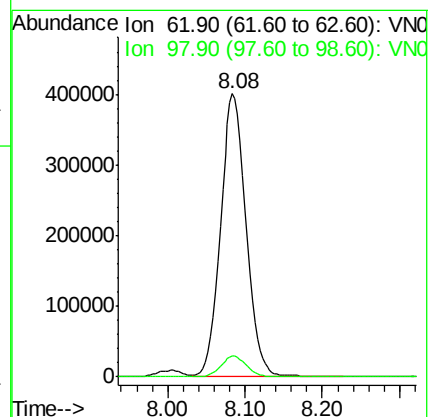
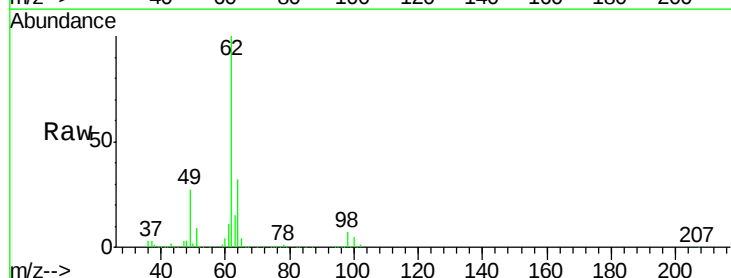
Manual Integrations
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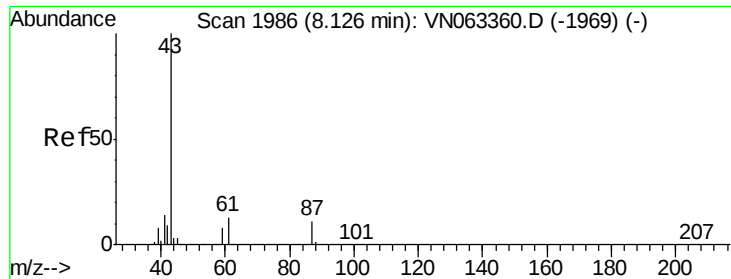
MMDadoda
9/17/2020 1:07:55 PM



#42
1,2-Dichloroethane
Concen: 164.097 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	922096		
98	7.3	0.0	15.6	





#43

Isopropyl Acetate

Concen: 158.838 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1367842

Ion Ratio Lower Upper

43 100

61 25.1 14.2 21.2#

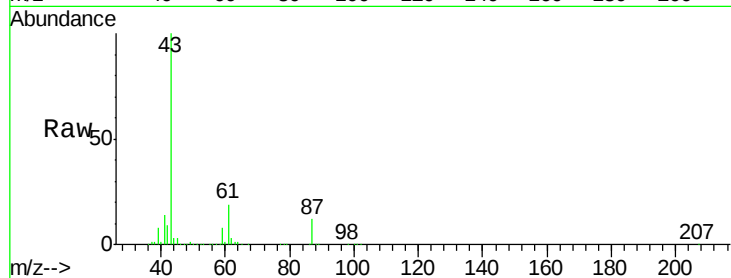
87 11.6 9.0 13.6

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9/17/2020 1:07:55 PM



Abundance Ion 43.00 (42.70 to 43.70): VN063362.D (-1893) (-)

Ion 61.00 (60.70 to 61.70): VN063362.D (-1893) (-)

Ion 87.00 (86.70 to 87.70): VN063362.D (-1893) (-)

8.13

600000

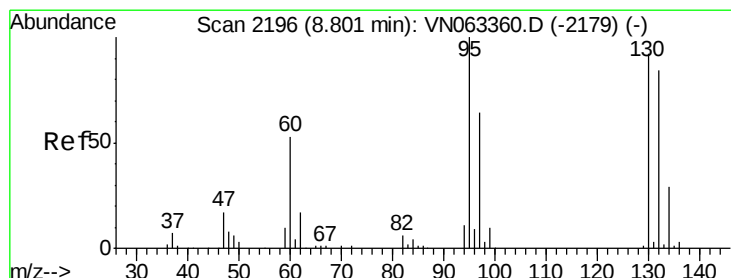
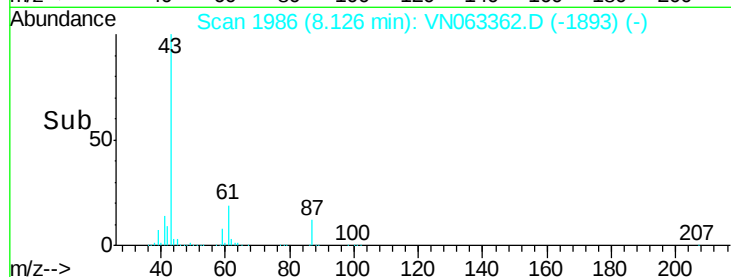
400000

200000

0

8.00 8.10 8.20

Time-->



#44

Trichloroethene

Concen: 143.709 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063362.D

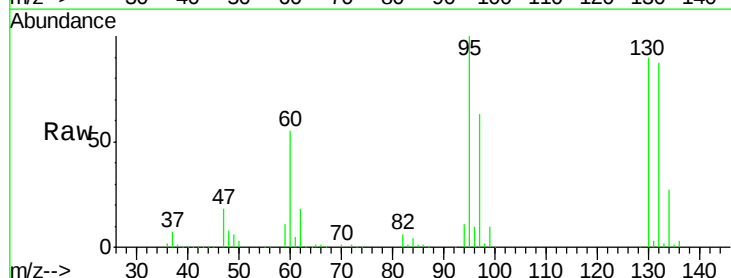
Acq: 16 Sep 2020 12:43

Tgt Ion:130 Resp: 542836

Ion Ratio Lower Upper

130 100

95 111.1 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): VN063362.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN063362.D (-2103) (-)

8.80

300000

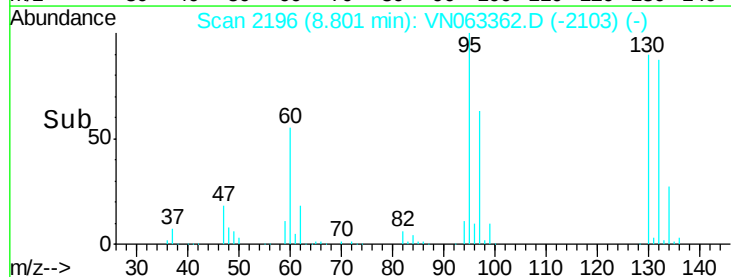
200000

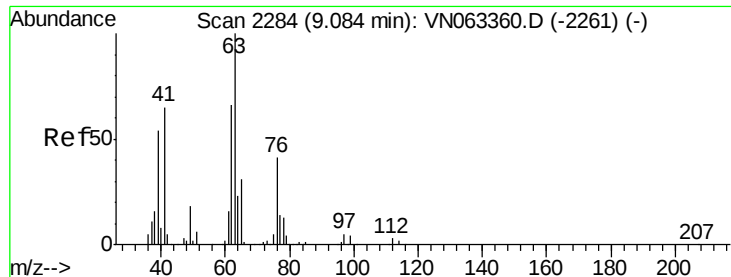
100000

0

8.70 8.80 8.90

Time-->





#45

1,2-Dichloropropane

Concen: 152.549 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 614172

Ion Ratio Lower Upper

63 100

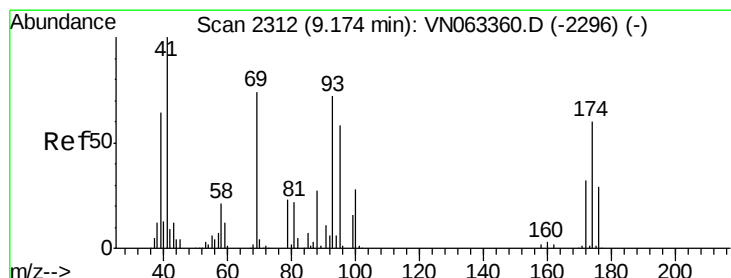
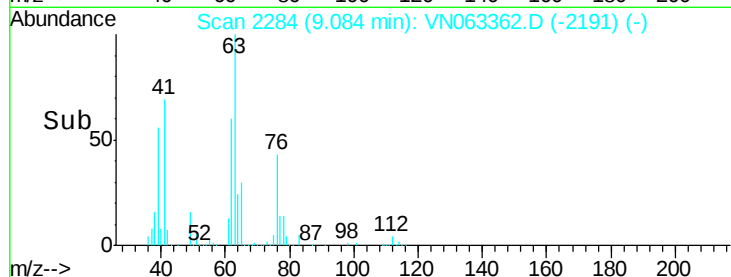
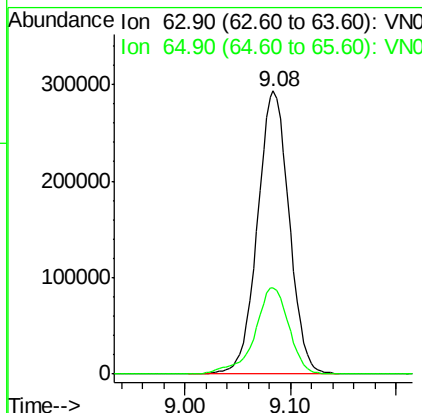
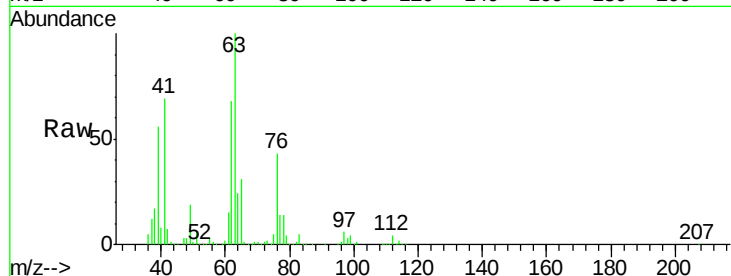
65 30.5 25.0 37.6

Manual Integrations

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#46

Dibromomethane

Concen: 154.248 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

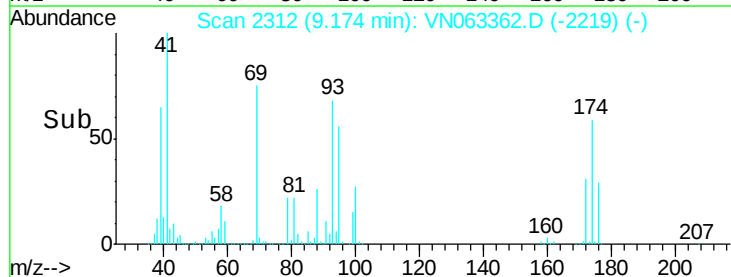
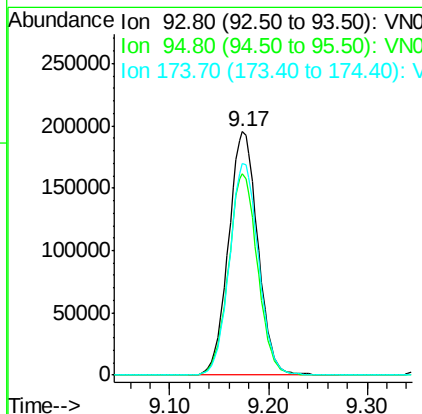
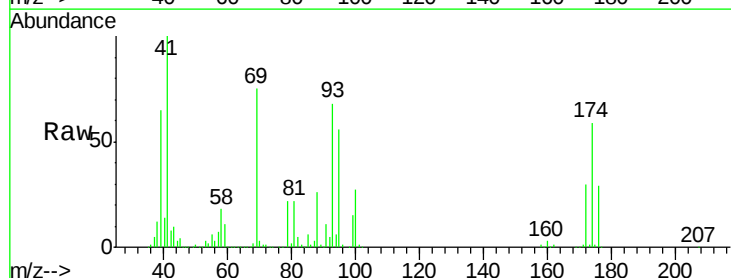
Tgt Ion: 93 Resp: 404792

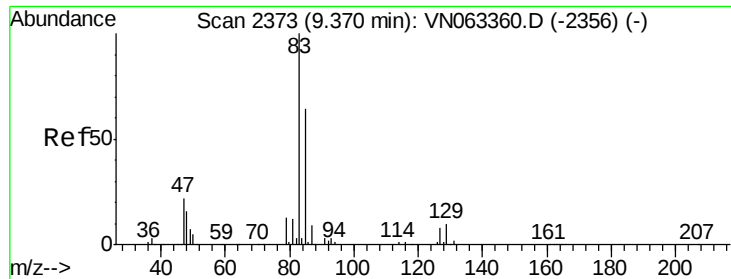
Ion Ratio Lower Upper

93 100

95 81.4 65.6 98.4

174 86.0 68.1 102.1





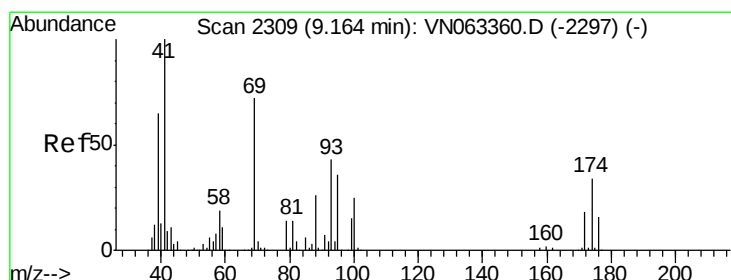
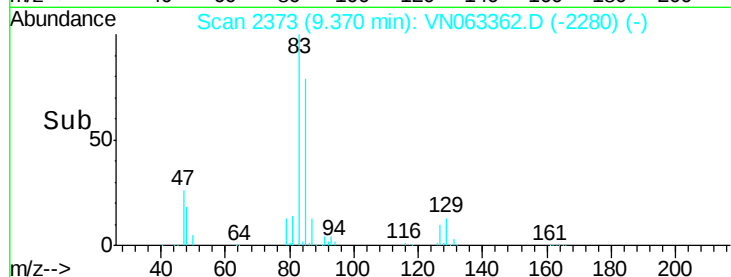
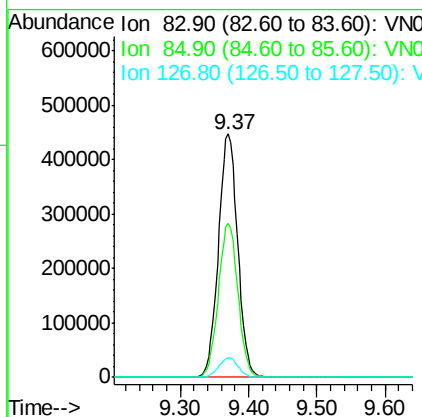
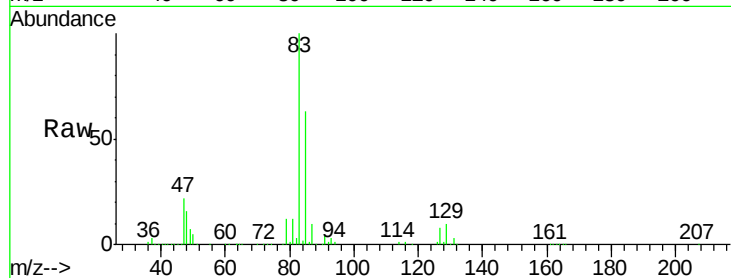
#47
Bromodichloromethane
Concen: 160.530 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.0	76.6
127	8.1	6.3	9.5

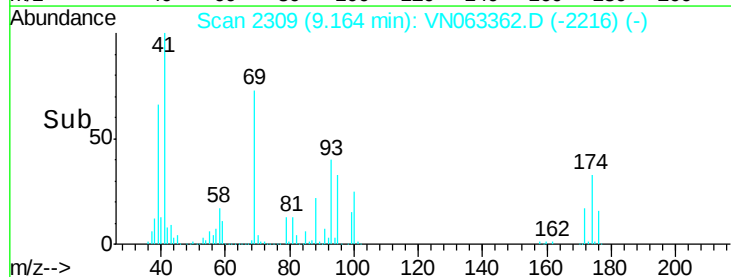
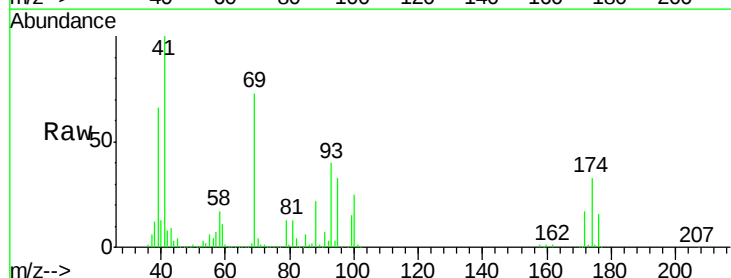
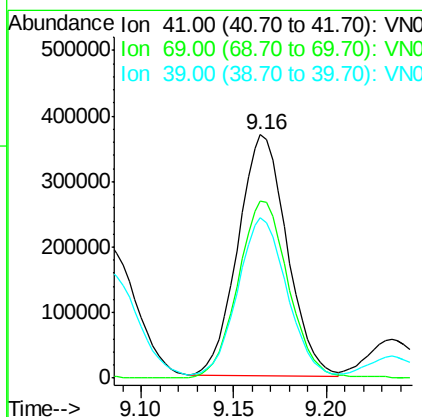
Manual Integrations
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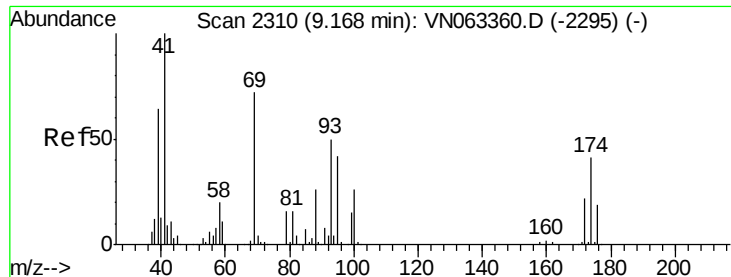
MMDadoda
9/17/2020 1:07:55 PM



#48
Methyl methacrylate
Concen: 163.150 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
41	100		
69	75.9	59.3	88.9
39	67.6	52.9	79.3





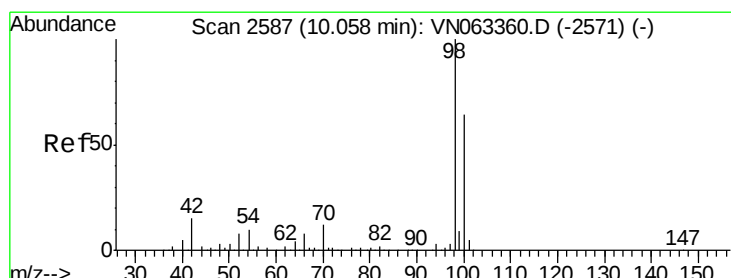
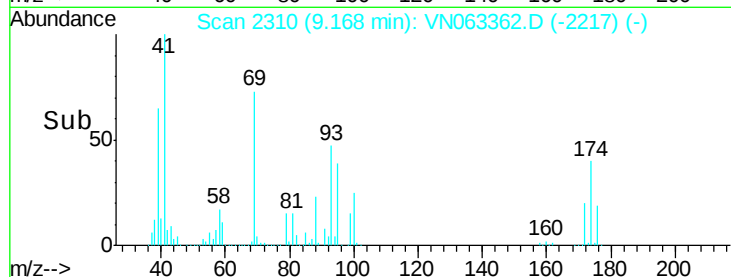
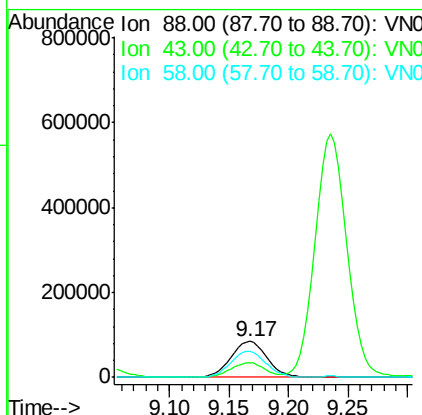
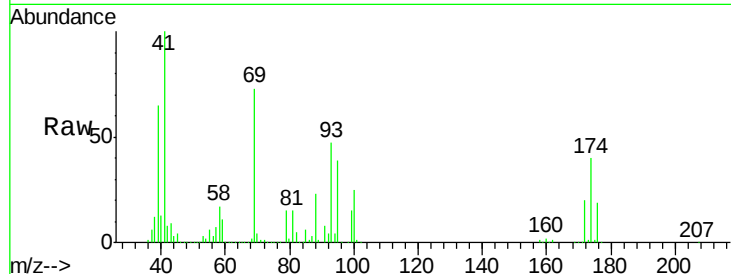
#49
1,4-Dioxane
Concen: 2766.194 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100	176353		
43	38.7		32.6	49.0
58	71.7		60.0	90.0

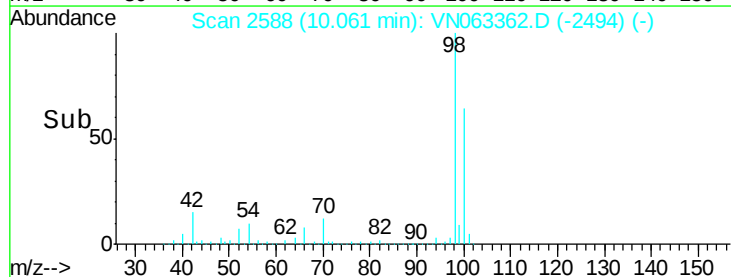
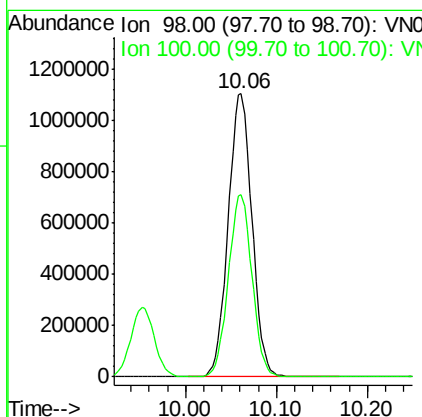
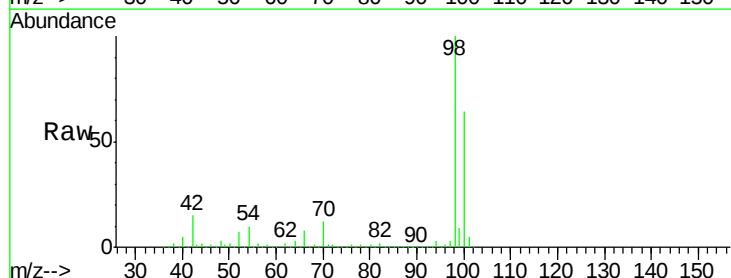
Manual Integrations
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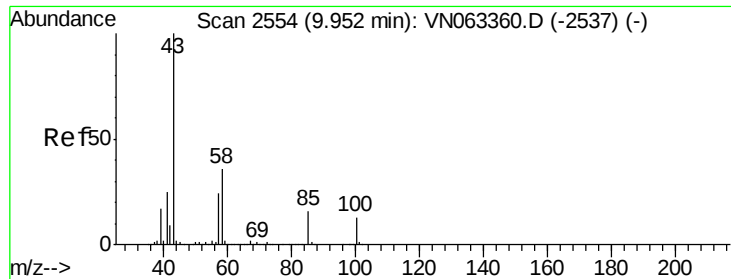
MMDadoda
9/17/2020 1:07:55 PM



#50
Toluene-d8
Concen: 162.940 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	2006353		
100	63.6		50.7	76.1





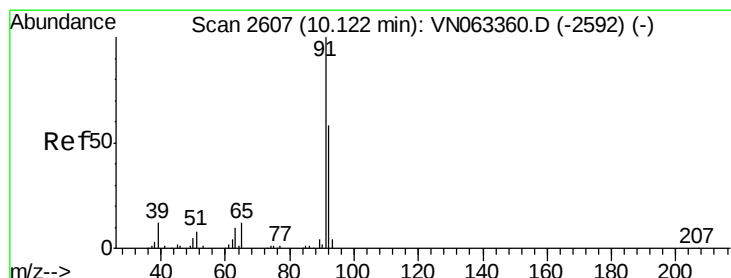
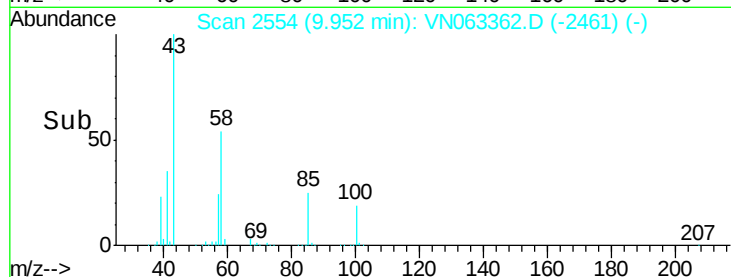
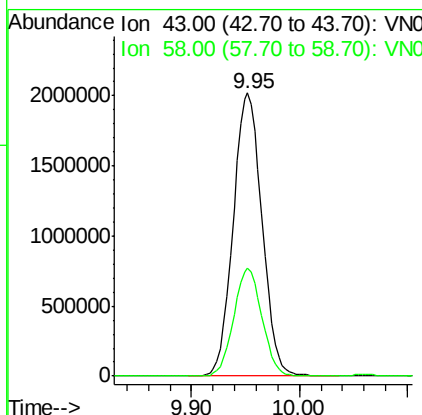
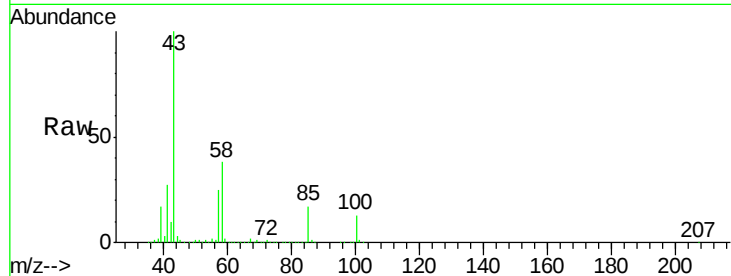
#51
 4-Methyl-2-Pentanone
 Concen: 791.472 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 3751787
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.0 43.6

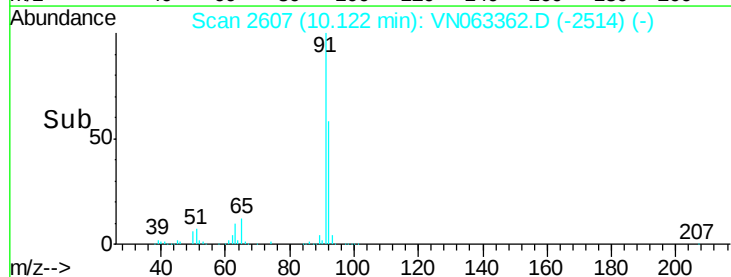
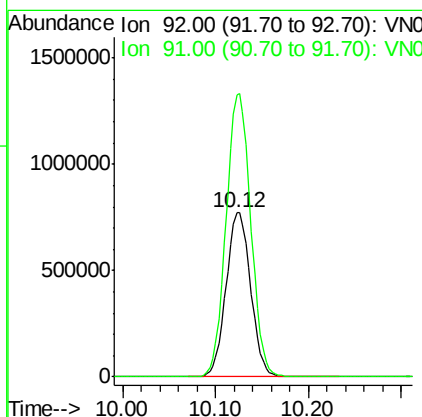
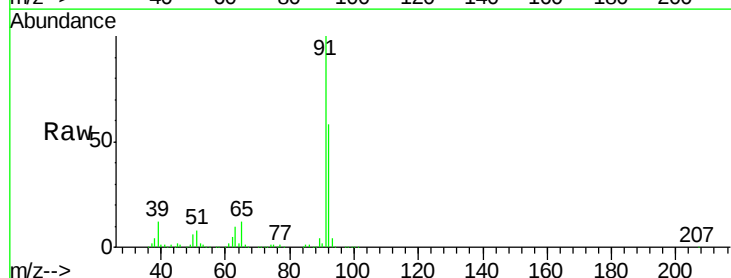
Manual Integrations
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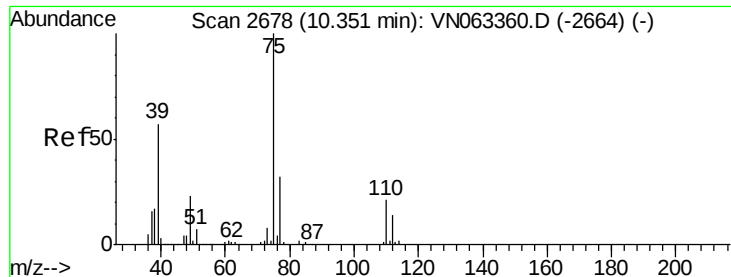
MMDadoda
 9/17/2020 1:07:55 PM



#52
 Toluene
 Concen: 157.889 ug/l
 RT: 10.12 min Scan# 2607
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Tgt Ion: 92 Resp: 1417105
 Ion Ratio Lower Upper
 92 100
 91 173.4 139.7 209.5





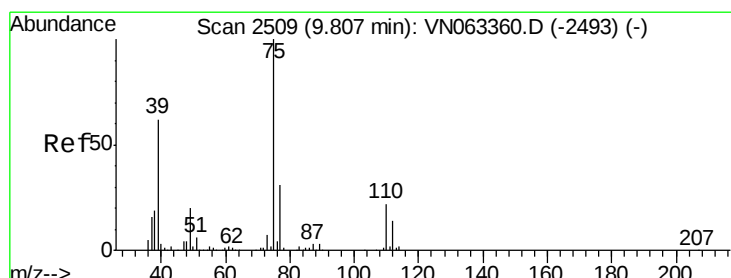
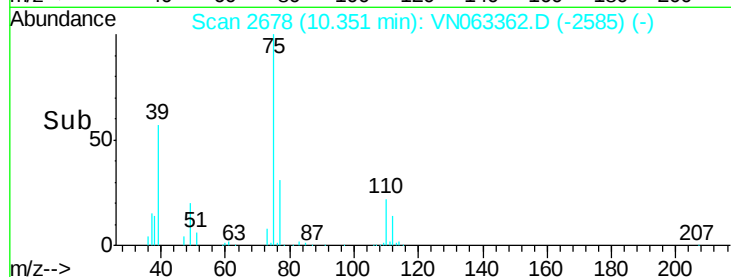
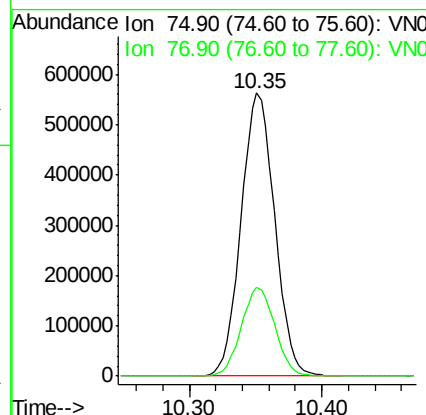
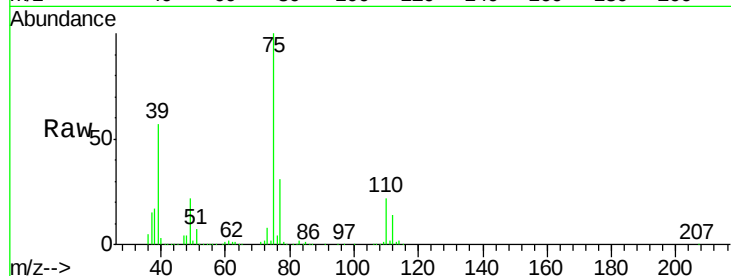
#53
t-1,3-Dichloropropene
Concen: 166.845 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 992953
Ion Ratio Lower Upper
75 100
77 31.3 25.4 38.2

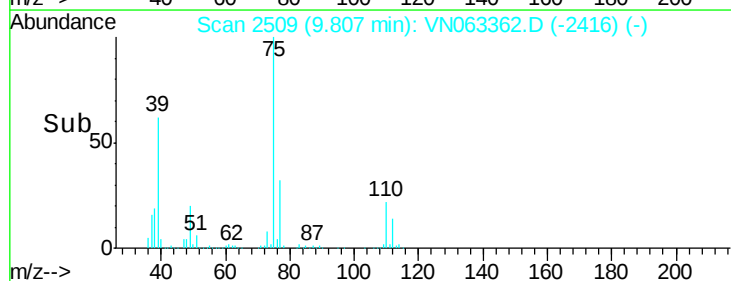
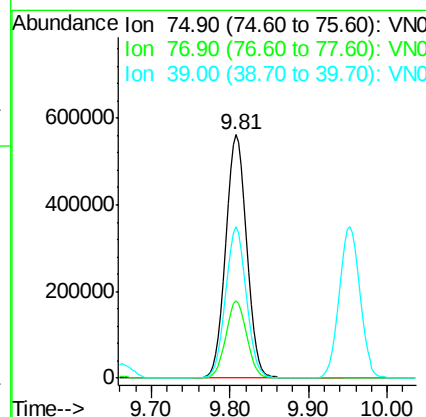
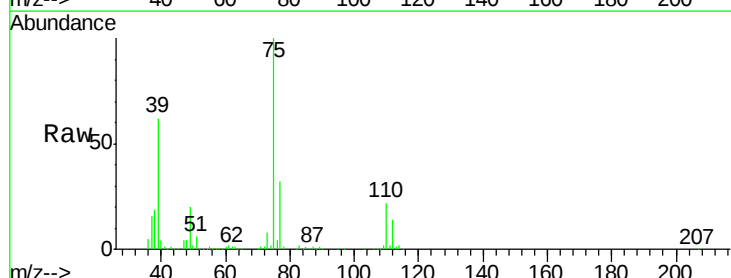
Manual Integrations
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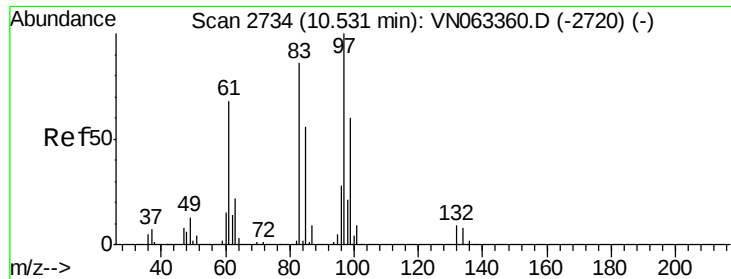
MMDadoda
9/17/2020 1:07:55 PM



#54
cis-1,3-Dichloropropene
Concen: 161.626 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion: 75 Resp: 1034563
Ion Ratio Lower Upper
75 100
77 31.8 24.6 37.0
39 61.9 49.8 74.8





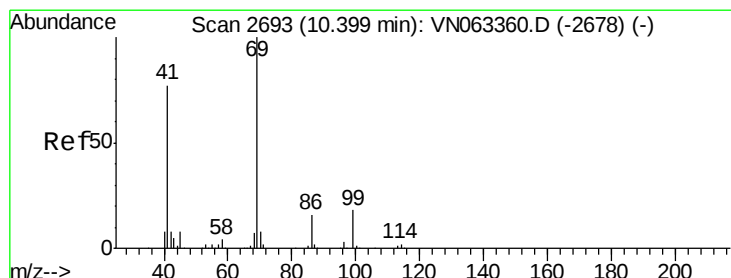
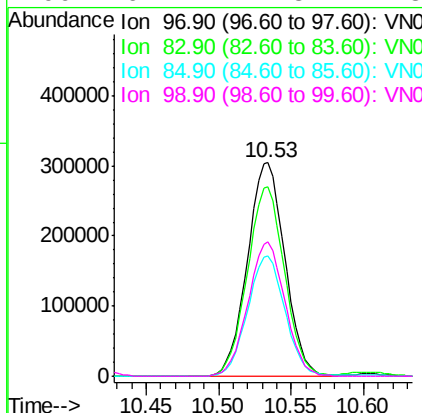
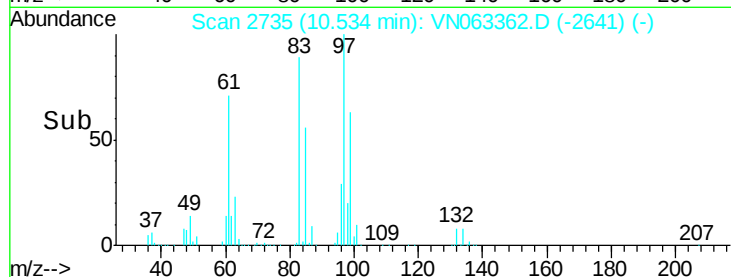
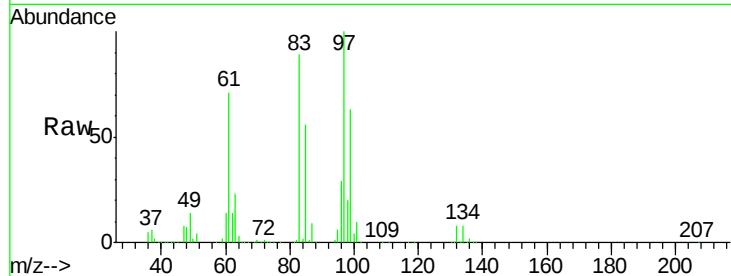
#55
 1,1,2-Trichloroethane
 Concen: 155.759 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	547516
Ion	Ratio	Lower	Upper
97	100		
83	88.8	68.9	103.3
85	56.2	44.8	67.2
99	62.7	47.8	71.8

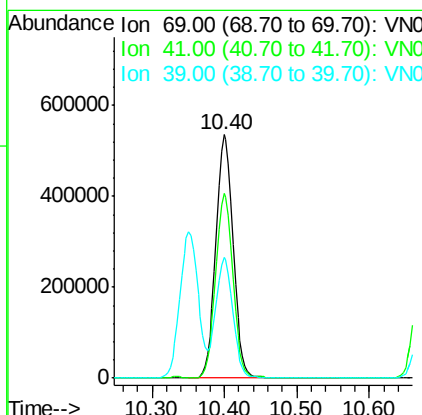
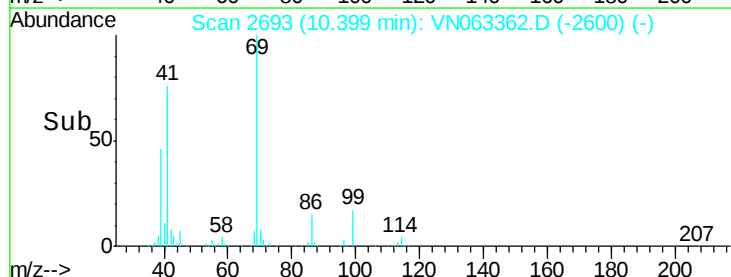
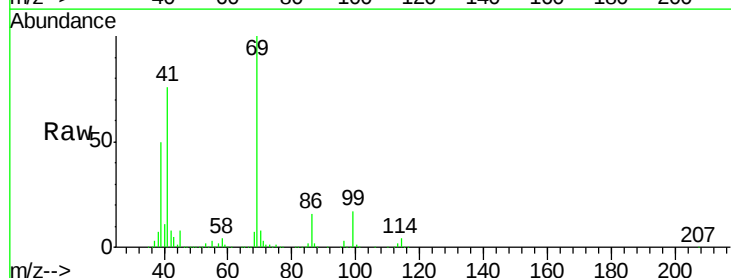
Manual Integrations
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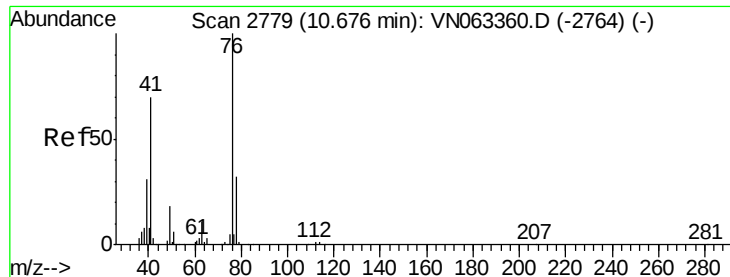
MMDadoda
 9/17/2020 1:07:55 PM



#56
 Ethyl methacrylate
 Concen: 166.662 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Tgt Ion:	69	Resp:	890014
Ion	Ratio	Lower	Upper
69	100		
41	75.0	61.0	91.6
39	48.8	39.2	58.8





#57

1,3-Dichloropropane

Concen: 157.572 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 968326

Ion Ratio Lower Upper

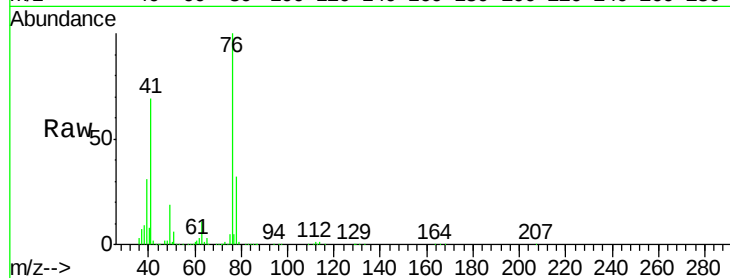
76 100

78 32.0 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

600000

500000

400000

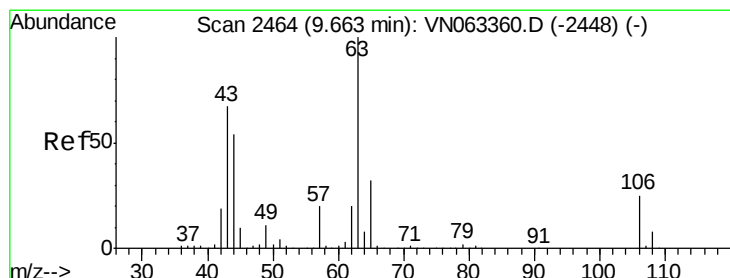
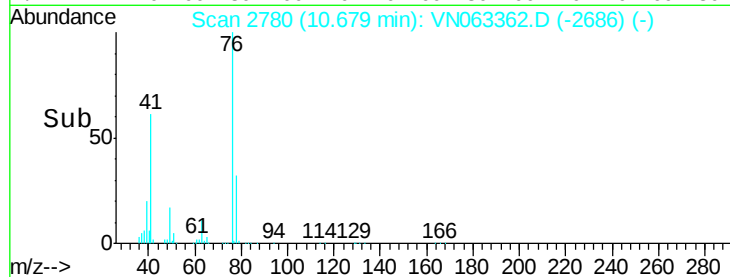
300000

200000

100000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 786.998 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063362.D

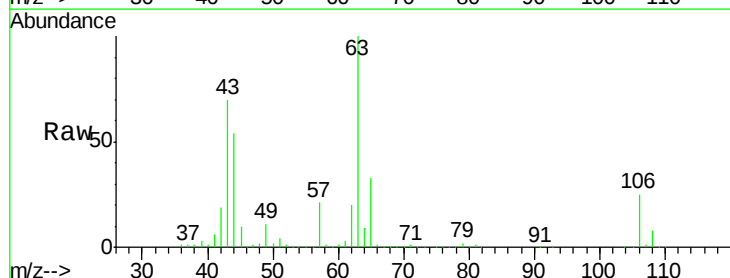
Acq: 16 Sep 2020 12:43

Tgt Ion: 63 Resp: 2260153

Ion Ratio Lower Upper

63 100

106 25.0 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

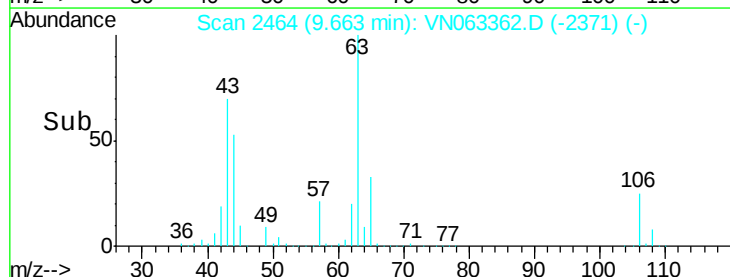
9.66

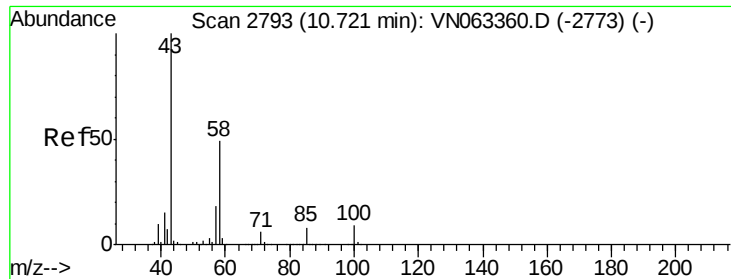
1000000

500000

0

Time-->





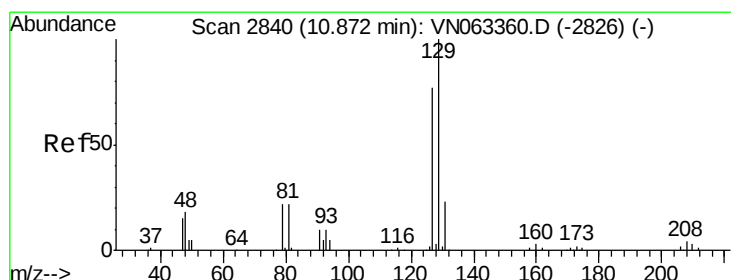
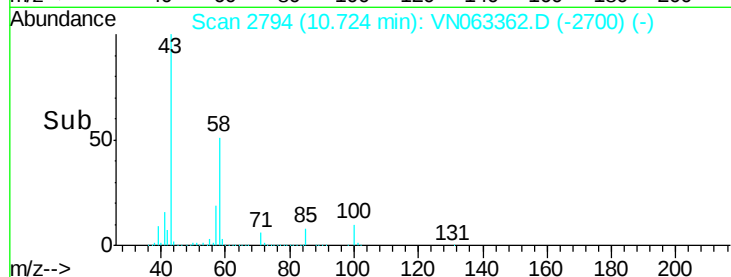
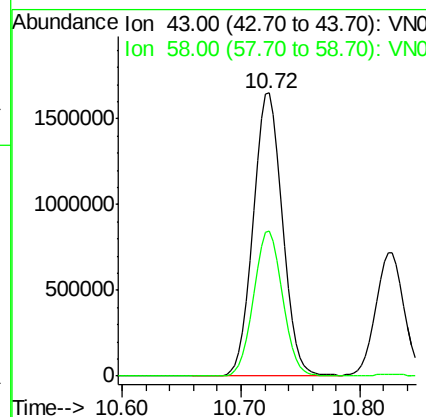
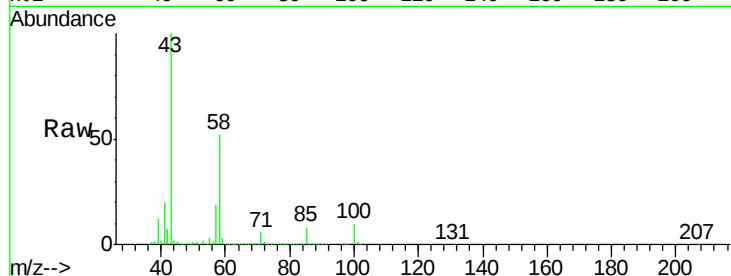
#59
2-Hexanone
Concen: 804.621 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 2811035
Ion Ratio Lower Upper
43 100
58 50.8 24.7 74.1

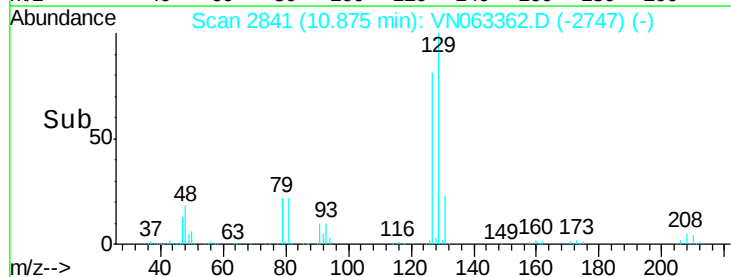
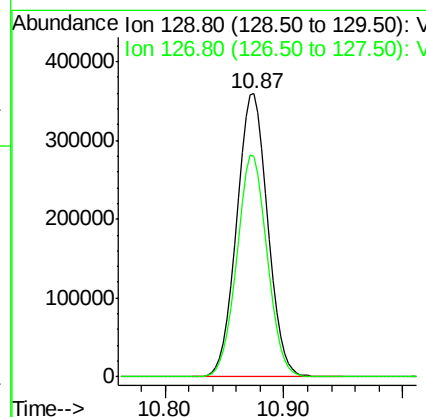
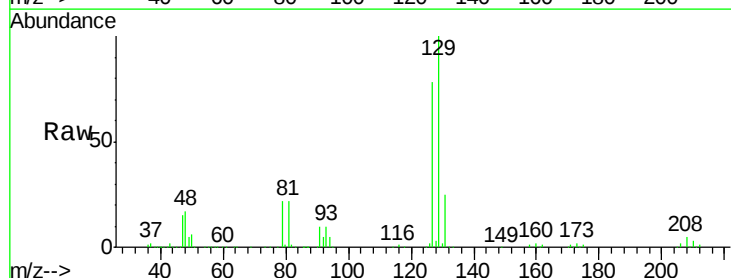
Manual Integrations
APPROVED

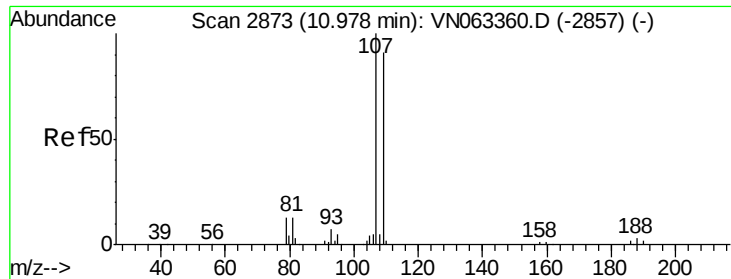
MMDadoda
9/17/2020 1:07:55 PM



#60
Dibromochloromethane
Concen: 167.916 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion: 129 Resp: 648955
Ion Ratio Lower Upper
129 100
127 76.8 39.1 117.3





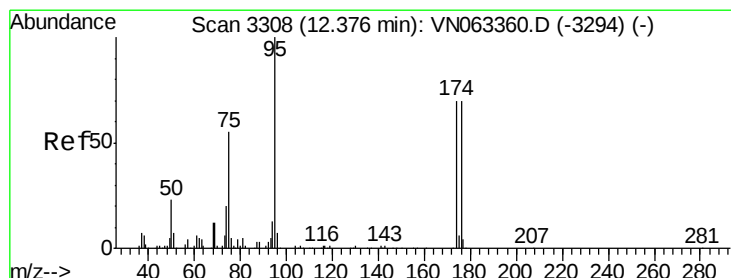
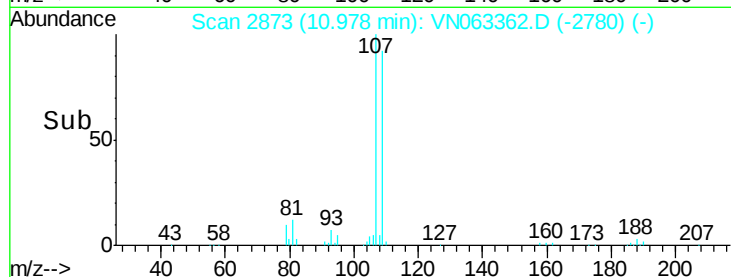
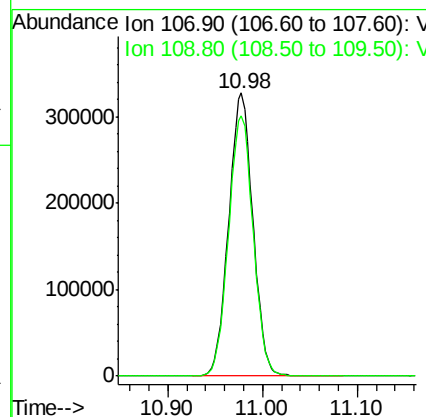
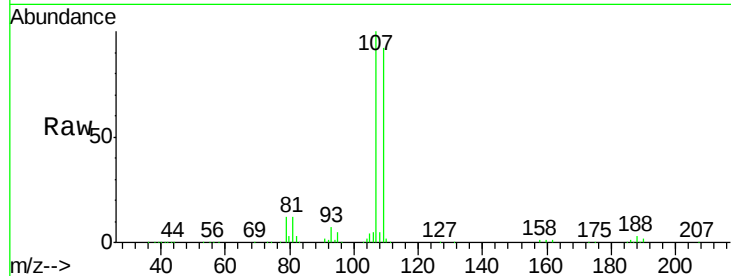
#61
 1,2-Dibromoethane
 Concen: 158.466 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	74.6	111.8

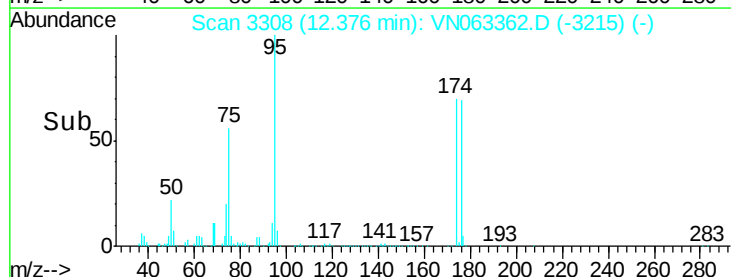
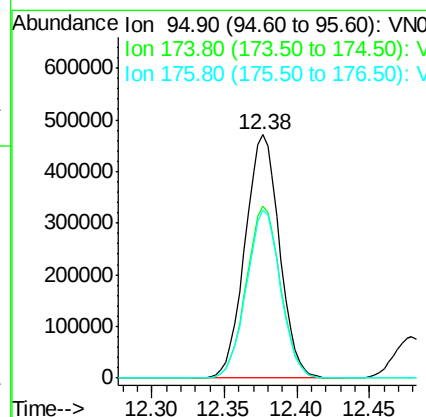
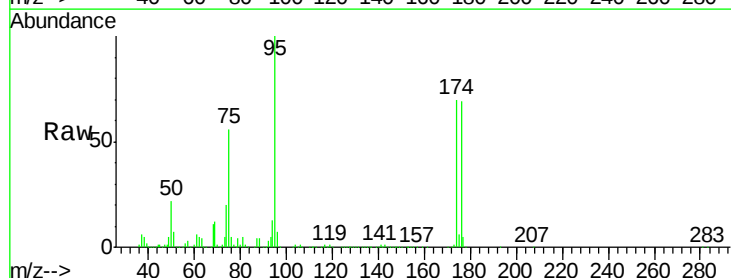
Manual Integrations
 APPROVED

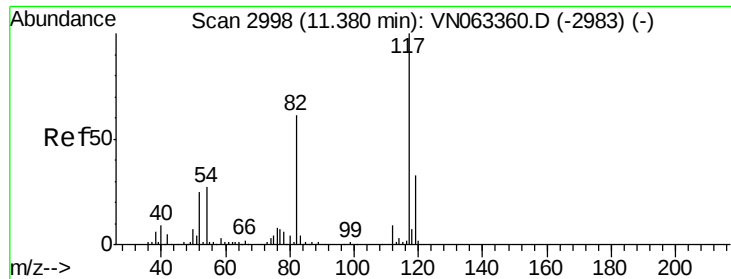
MMDadoda
 9/17/2020 1:07:55 PM



#62
 4-Bromofluorobenzene
 Concen: 170.866 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	140.8
176	68.4	0.0	137.6





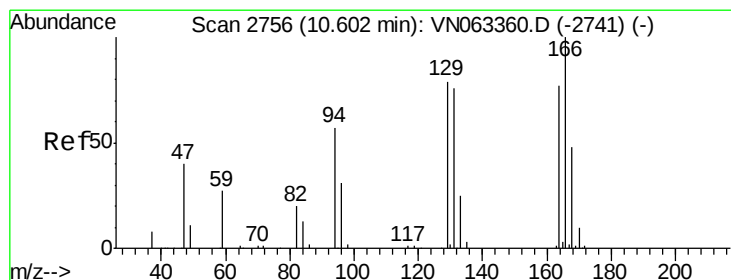
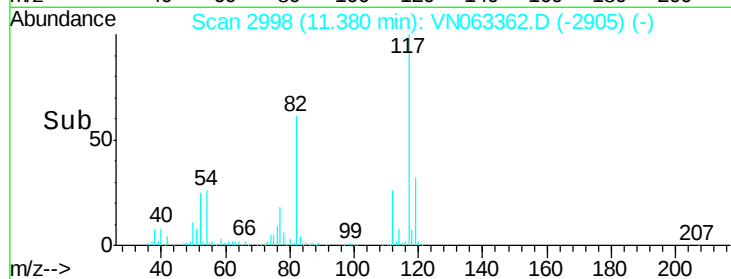
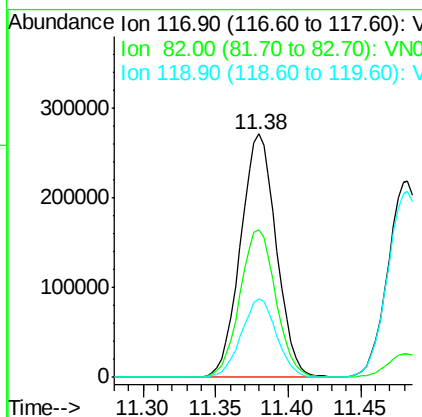
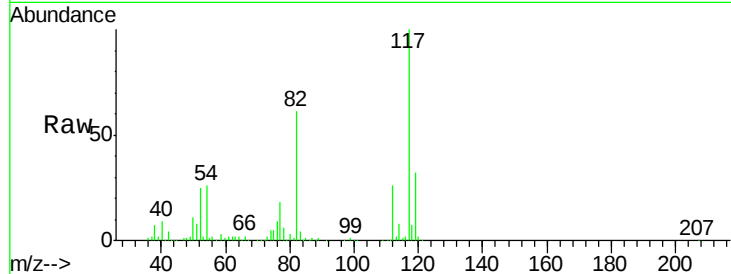
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	464444		
82	60.6	49.2	73.8	
119	32.1	26.2	39.4	

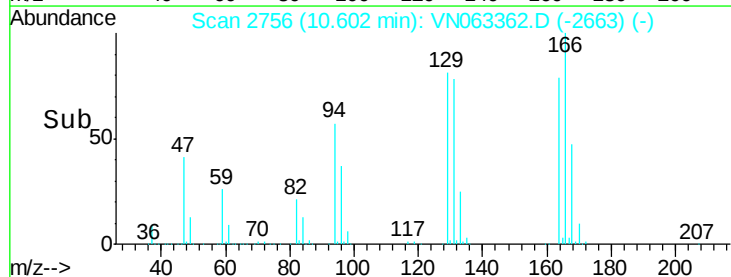
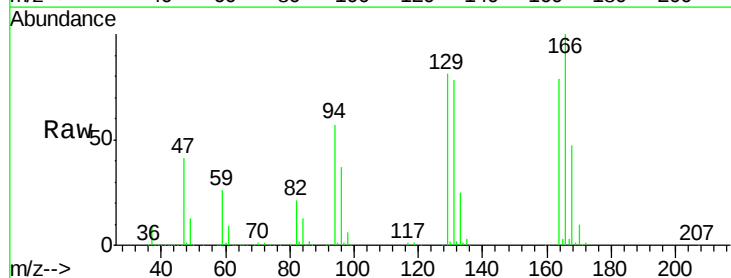
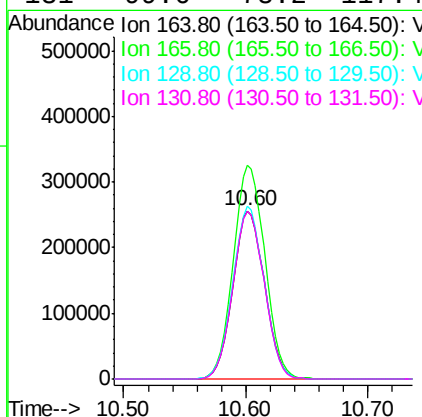
Manual Integrations
APPROVED

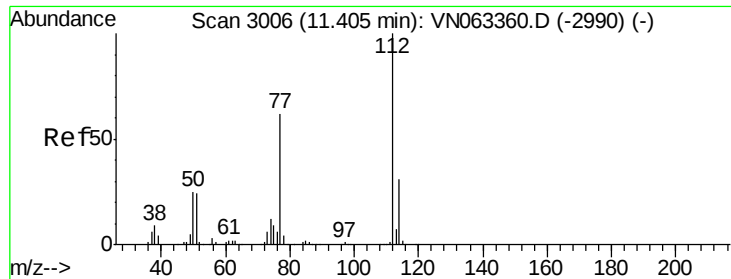
MMDadoda
9/17/2020 1:07:55 PM



#64
Tetrachloroethene
Concen: 124.633 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	461236		
166	127.1	103.4	155.0	
129	102.6	81.8	122.6	
131	99.6	78.2	117.4	





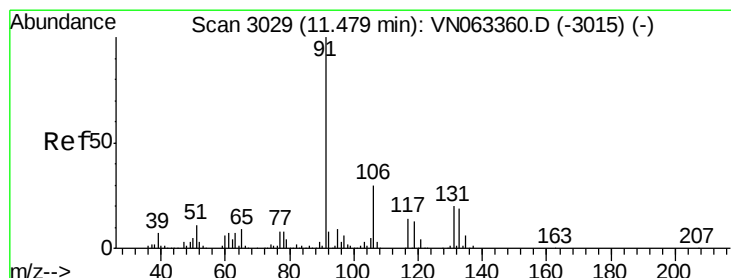
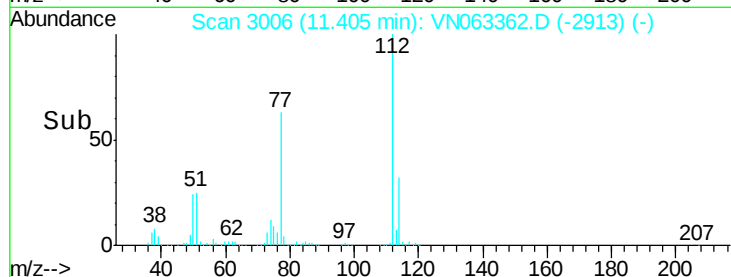
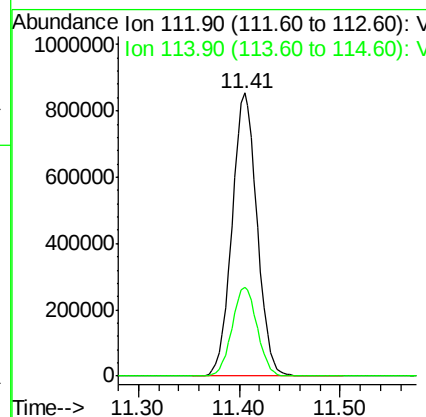
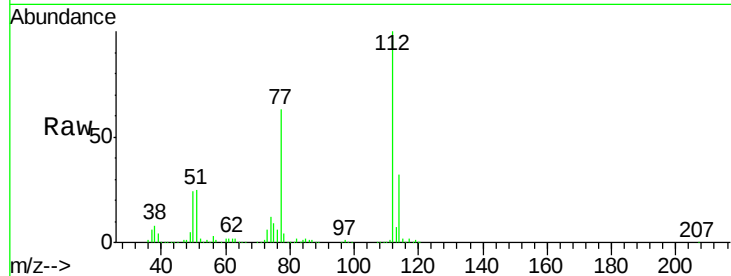
#65
Chlorobenzene
Concen: 147.127 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1474559
Ion Ratio Lower Upper
112 100
114 31.5 25.0 37.6

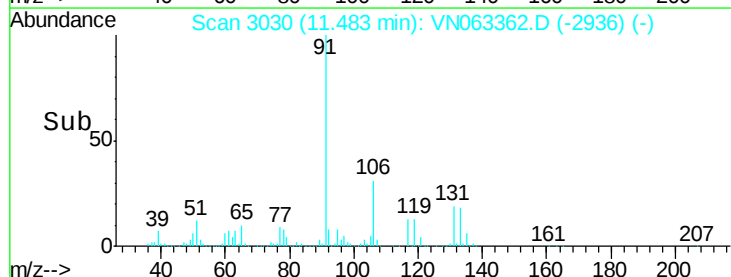
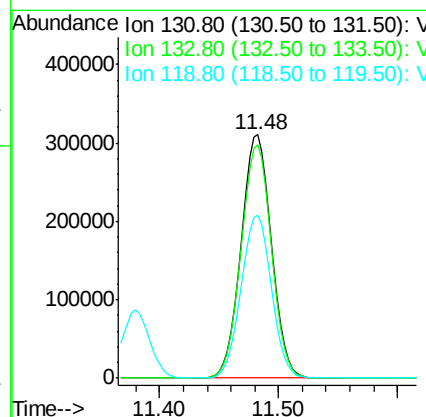
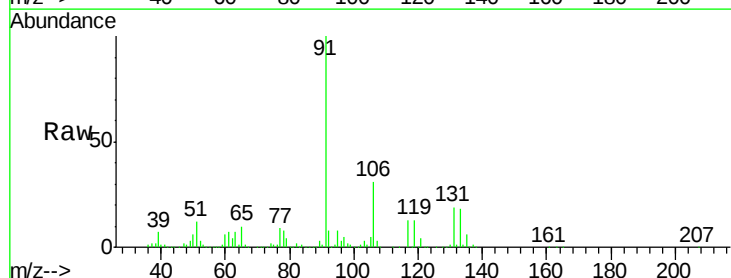
Manual Integrations
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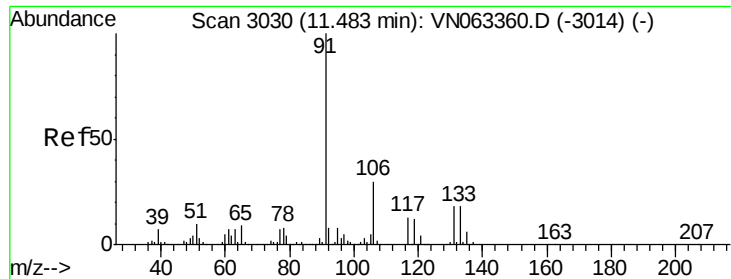
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 149.711 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion:131 Resp: 547657
Ion Ratio Lower Upper
131 100
133 96.2 47.3 141.9
119 67.2 33.6 100.8





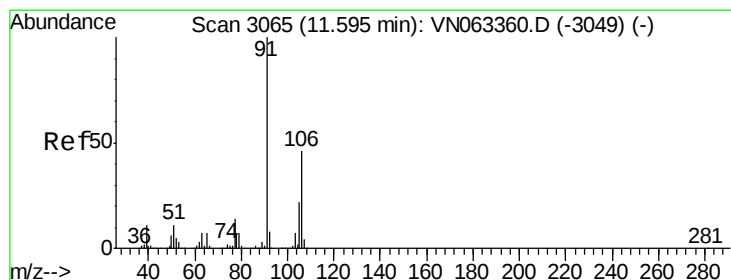
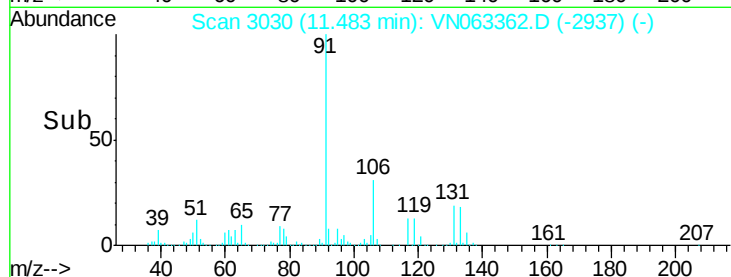
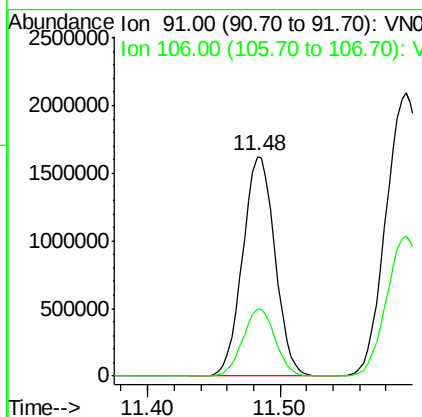
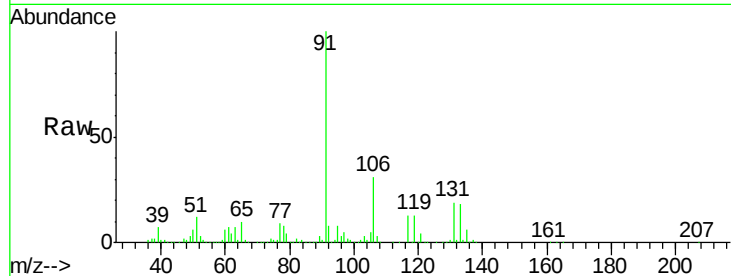
#67
Ethyl Benzene
Concen: 152.220 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2747354
Ion Ratio Lower Upper
91 100
106 30.7 23.8 35.6

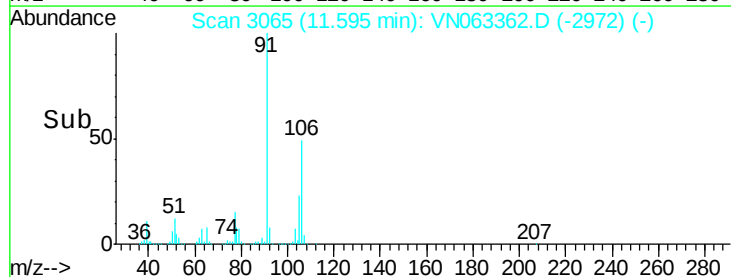
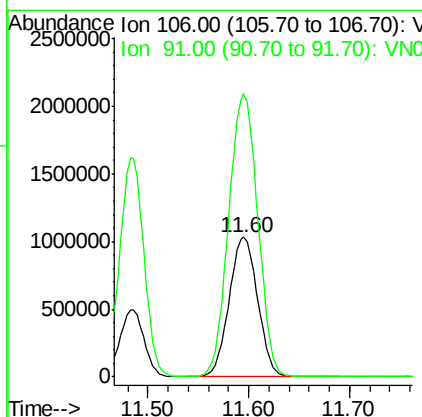
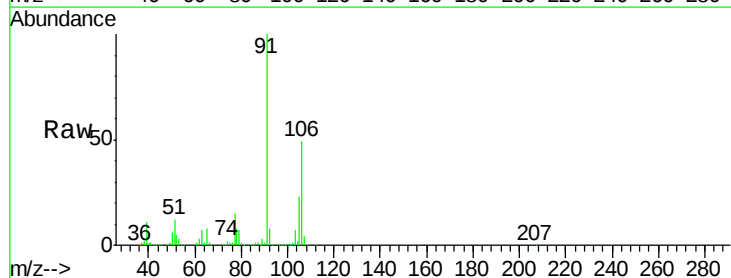
Manual Integrations
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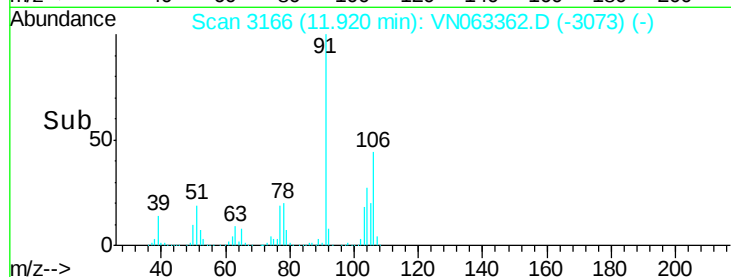
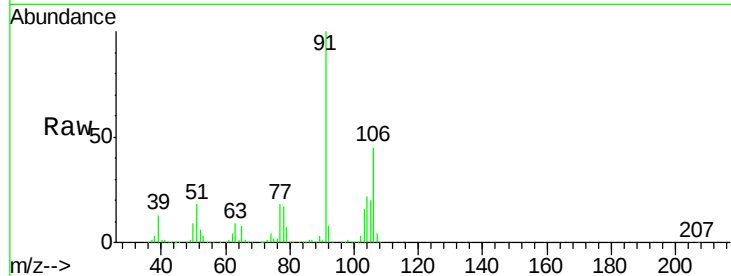
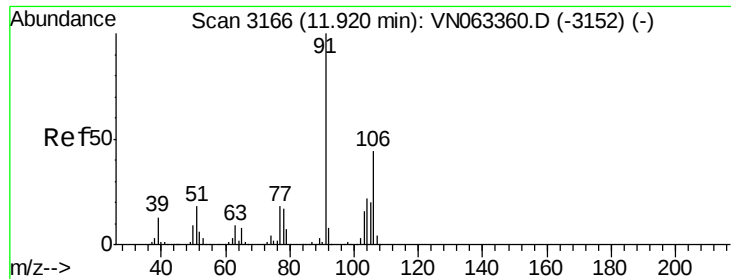
MMDadoda
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#68
m/p-Xylenes
Concen: 303.756 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion: 106 Resp: 2030065
Ion Ratio Lower Upper
106 100
91 206.6 171.2 256.8





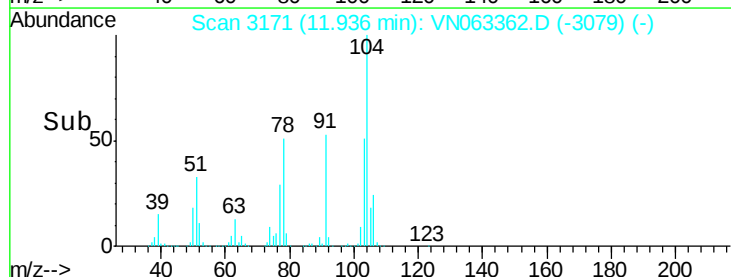
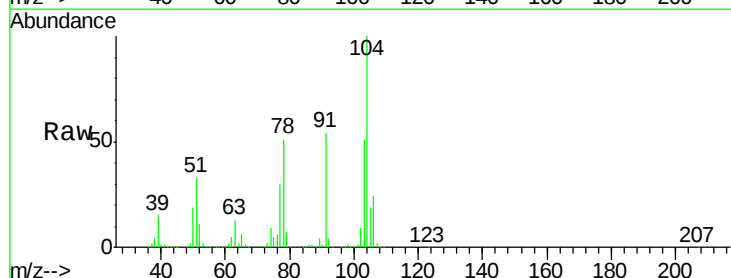
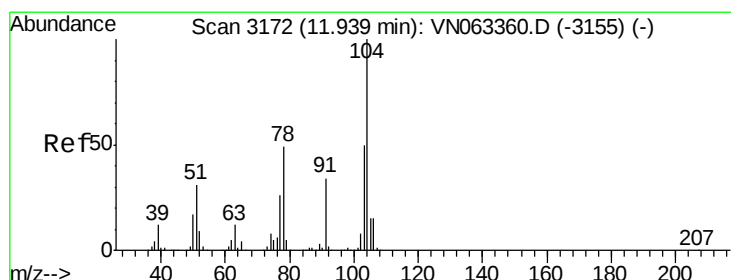
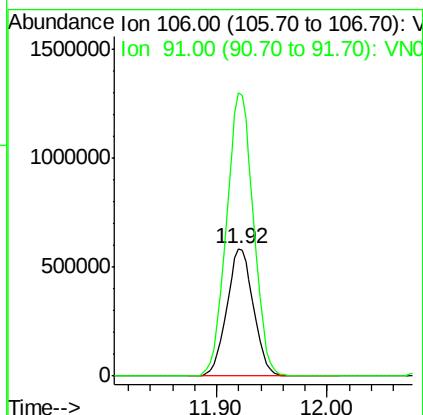
#69
o-Xylene
Concen: 152.512 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	975641		
91	91	225.2	113.6	340.8	

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

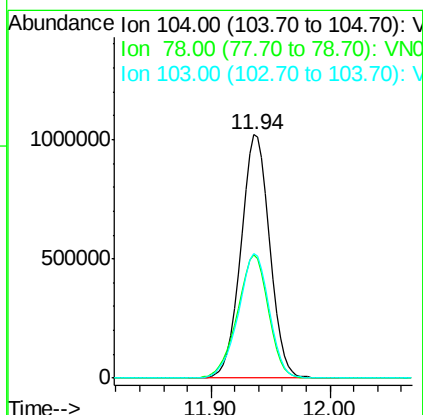
Manual Integrations
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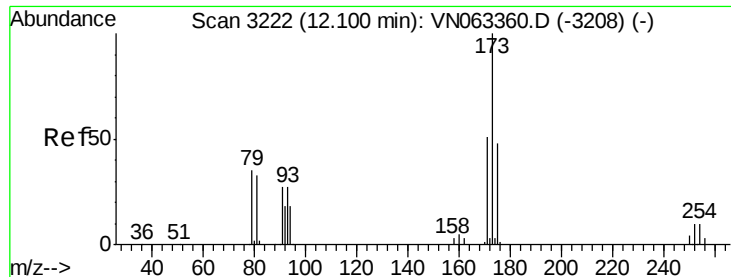
MMDadoda
9/17/2020 1:07:55 PM



#70
Styrene
Concen: 160.135 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	1708549		
78	78	55.0	44.4	66.6	
103	103	55.0	43.7	65.5	





#71

Bromoform

Concen: 173.246 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

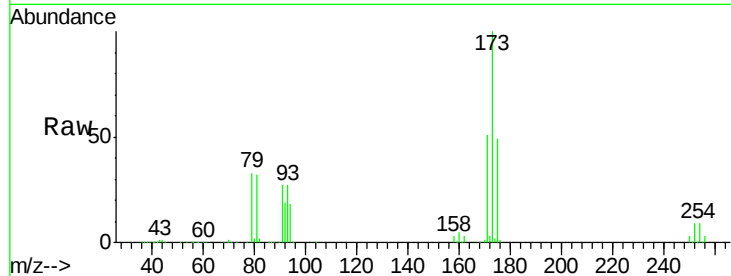
ClientSampleId :

VSTDIC150

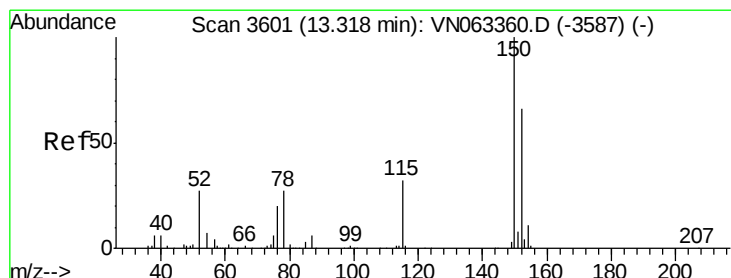
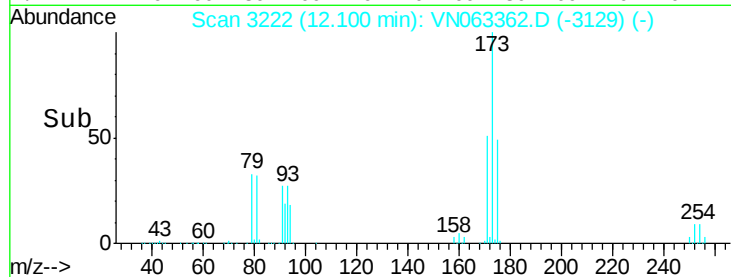
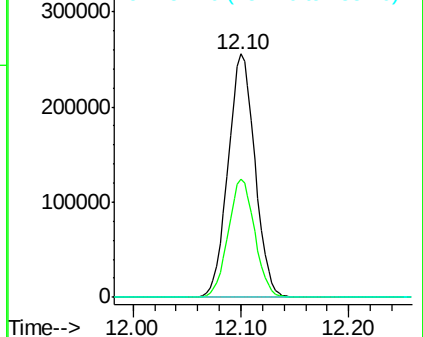
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.0	72.0
254	0.1	0.0	0.0

Manual Integrations
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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

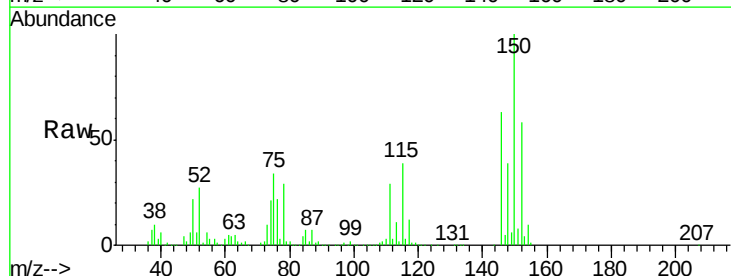
RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

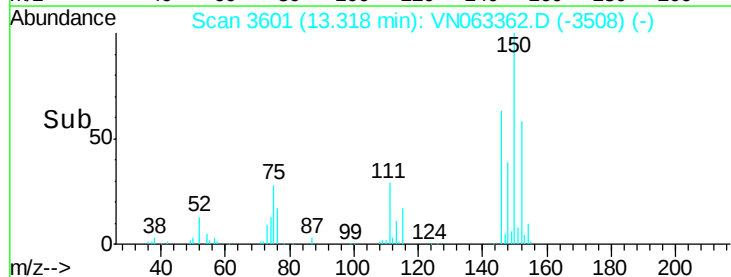
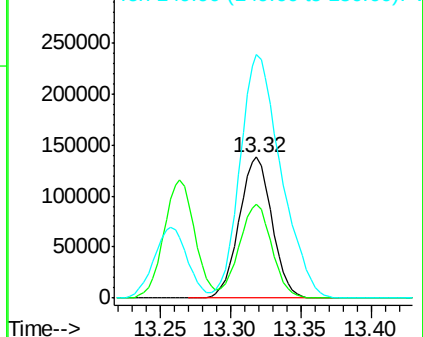
Lab File: VN063362.D

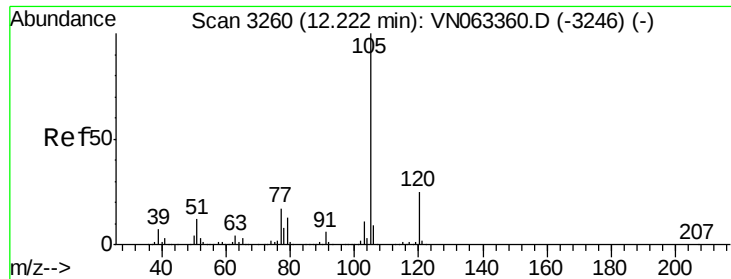
Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.2	32.2	96.6
150	213.5	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: 145.658 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 105 Resp: 2649417

Ion Ratio Lower Upper

105 100

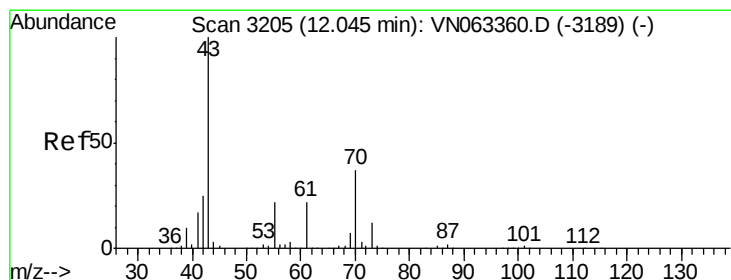
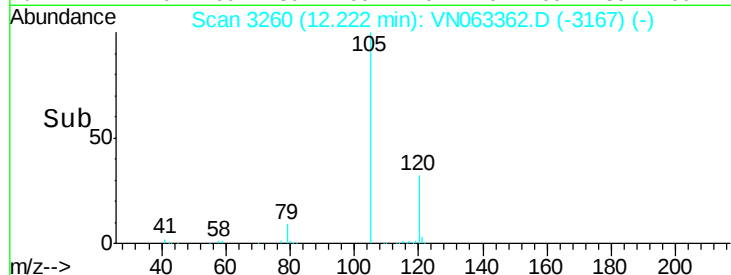
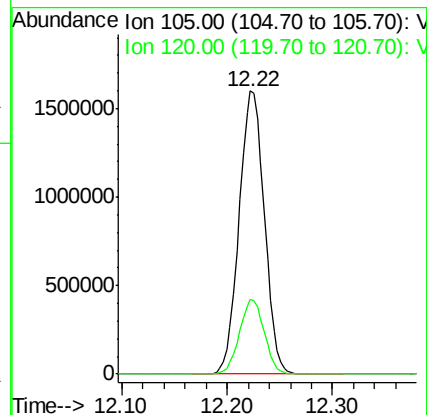
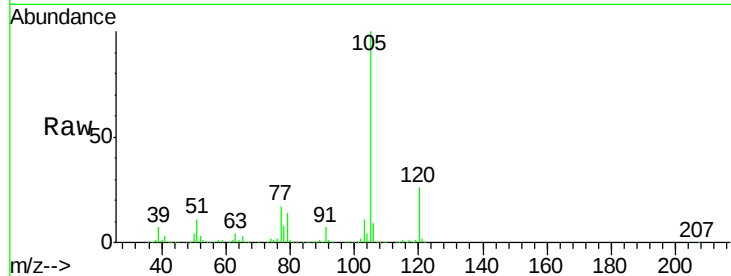
120 25.9 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 173.474 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Tgt Ion: 43 Resp: 1308982

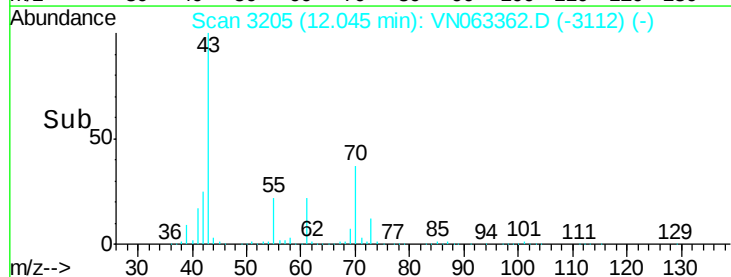
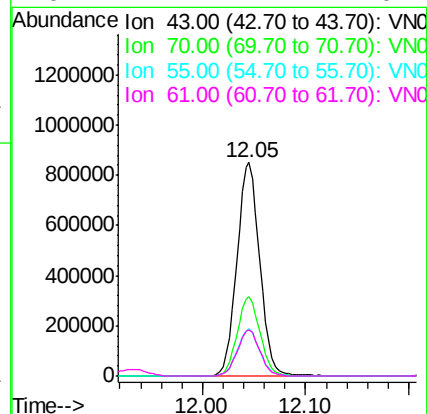
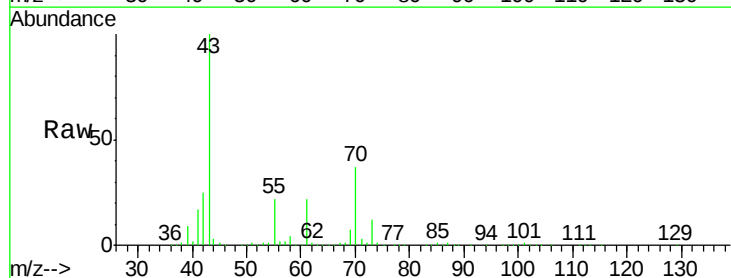
Ion Ratio Lower Upper

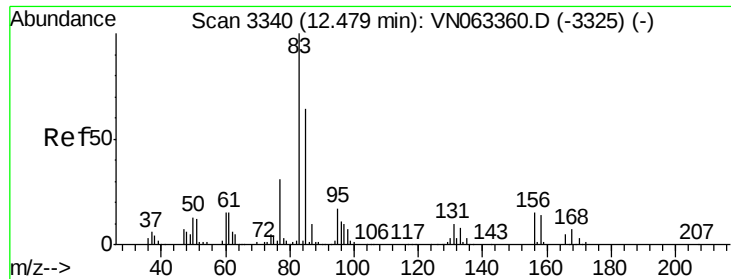
43 100

70 37.3 29.6 44.4

55 21.9 17.7 26.5

61 21.7 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 150.988 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 795493
Ion Ratio Lower Upper

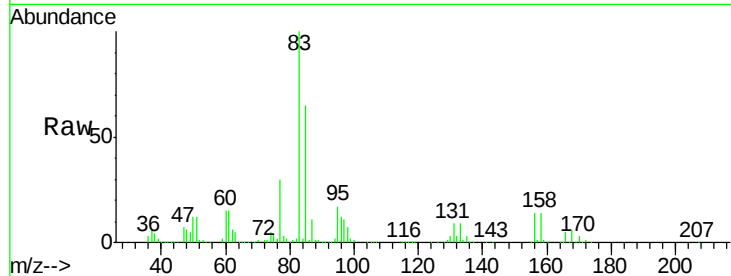
83 100

131 9.9 4.9 14.7

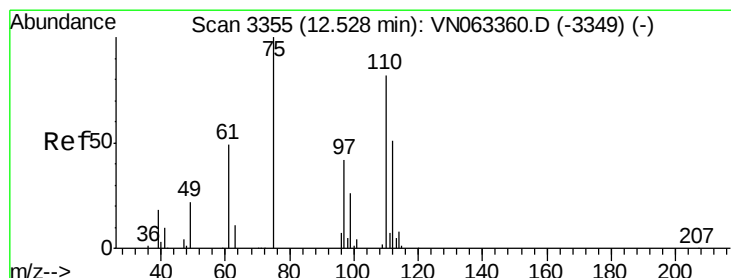
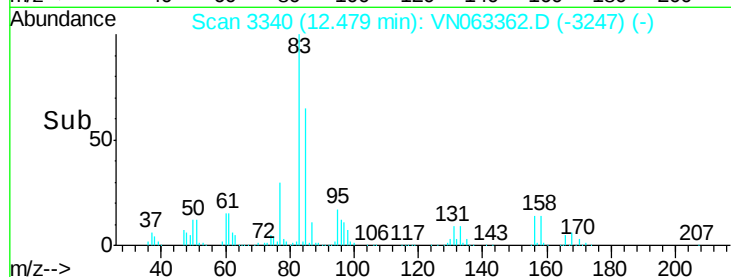
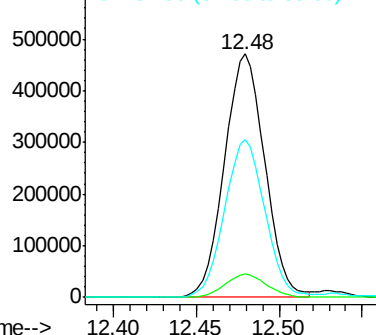
85 65.0 32.0 96.0

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN0
Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 159.420 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

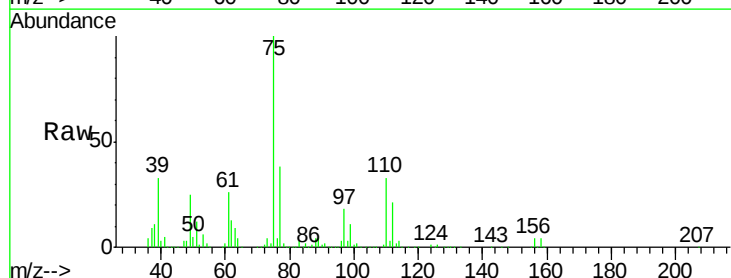
Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

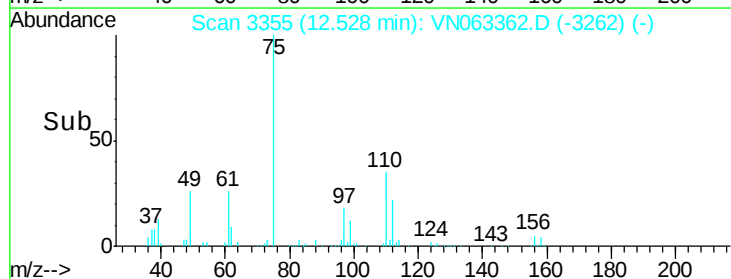
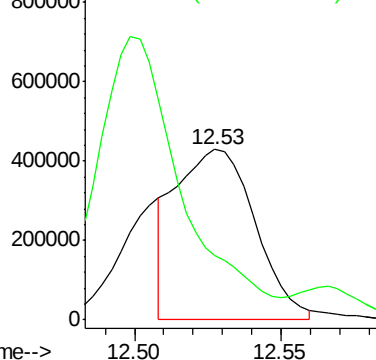
Tgt Ion: 75 Resp: 808975
Ion Ratio Lower Upper

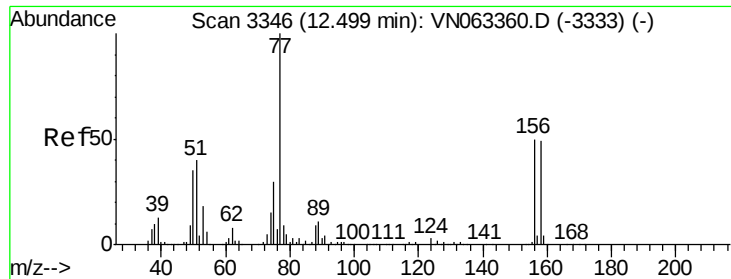
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 145.803 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

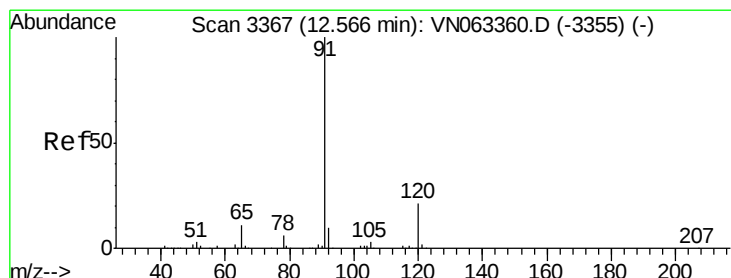
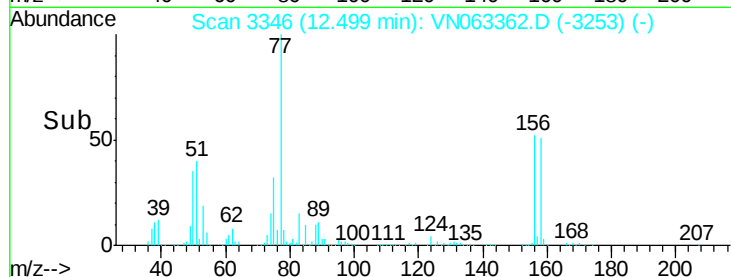
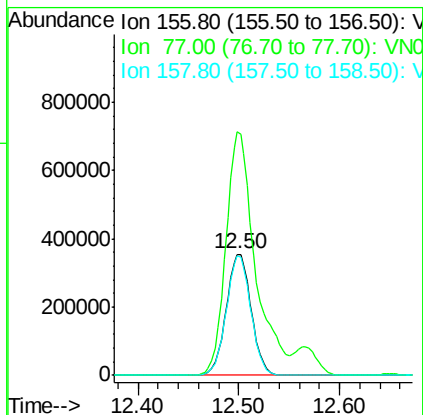
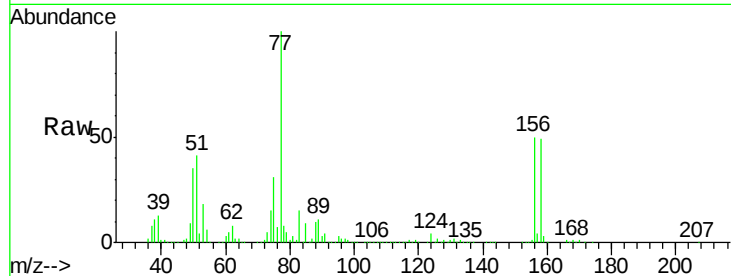
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	237.7	120.2	360.6
158	97.5	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 150.923 ug/l

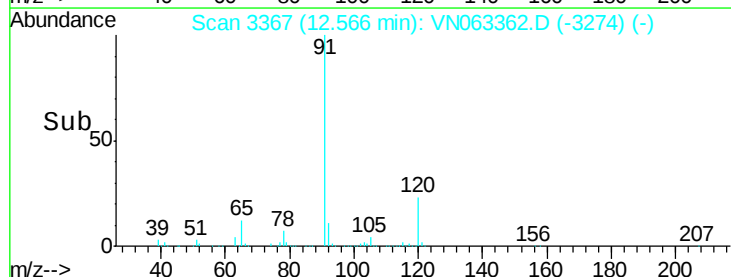
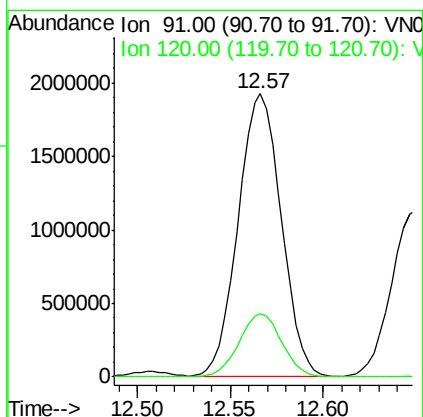
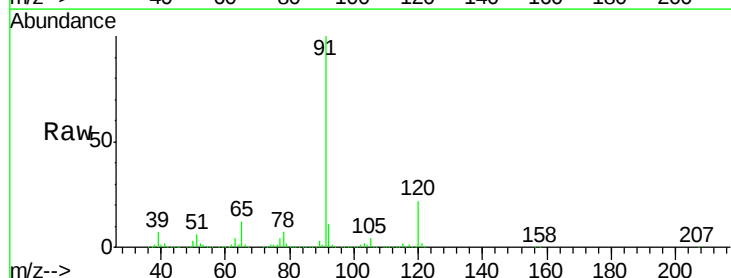
RT: 12.57 min Scan# 3367

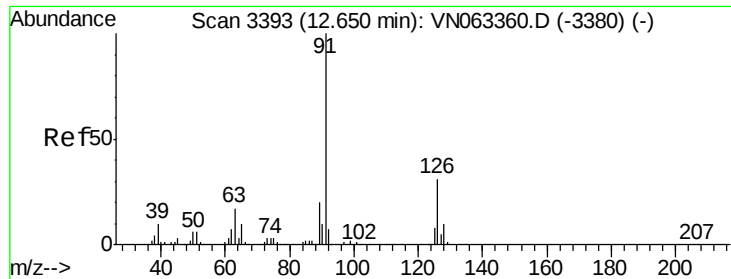
Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.0	10.8	32.3





#79

2-Chlorotoluene

Concen: 148.618 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1884914

Ion Ratio Lower Upper

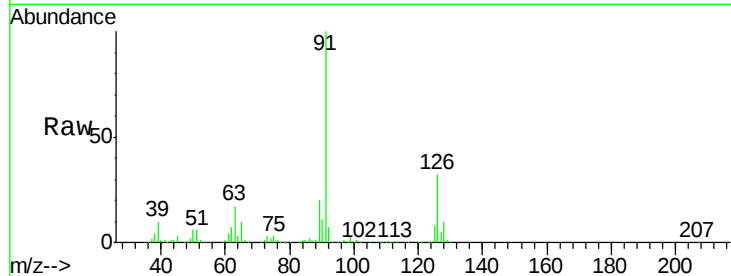
91 100

126 31.2 15.8 47.3

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN063362.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN063362.D (-3390) (-)

2000000

1500000

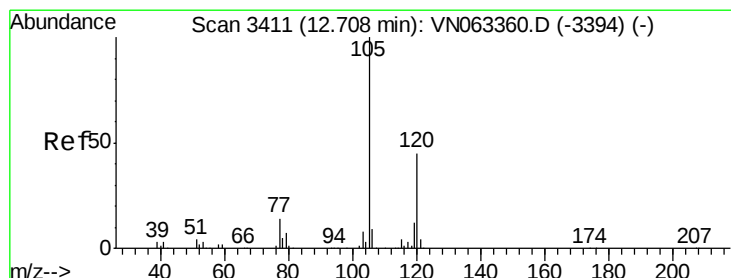
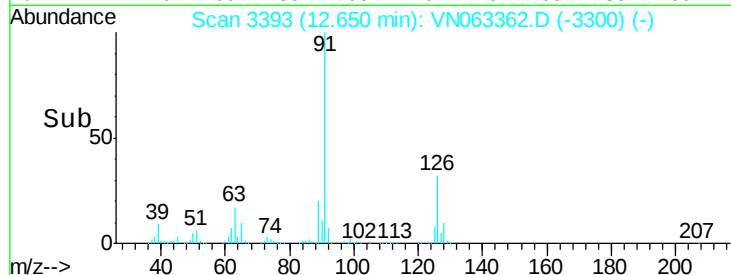
1000000

500000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 151.468 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063362.D

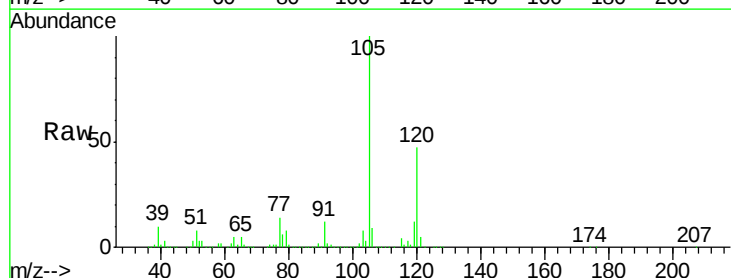
Acq: 16 Sep 2020 12:43

Tgt Ion: 105 Resp: 2288642

Ion Ratio Lower Upper

105 100

120 46.5 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063362.D (-3318) (-)

Ion 120.00 (119.70 to 120.70): VN063362.D (-3318) (-)

1500000

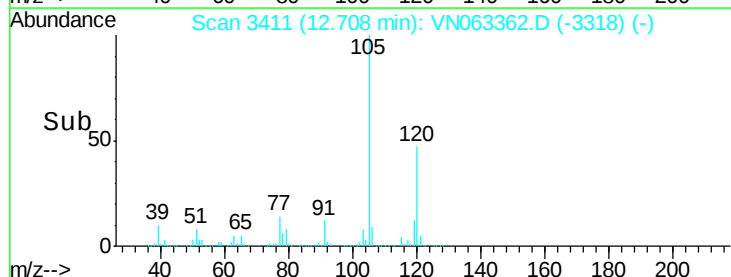
1000000

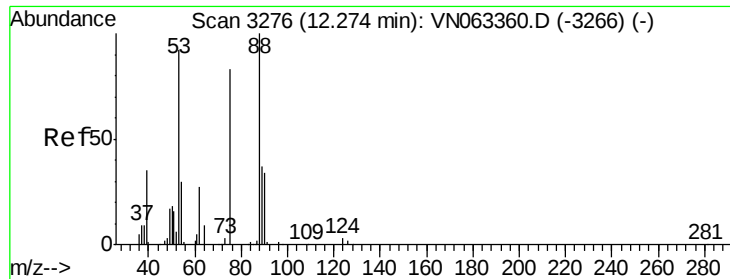
500000

0

12.60 12.70 12.80

Time-->





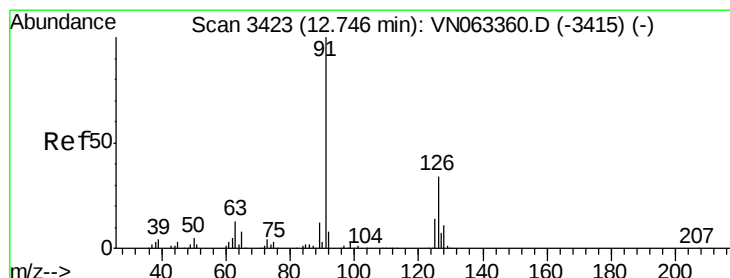
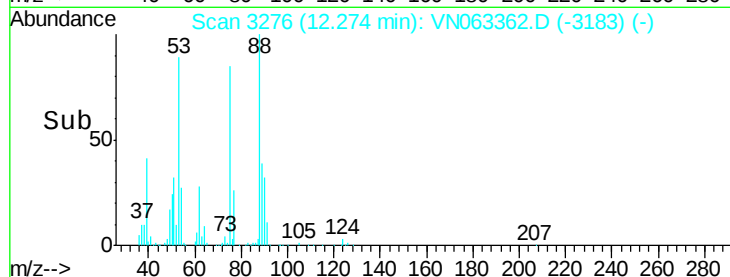
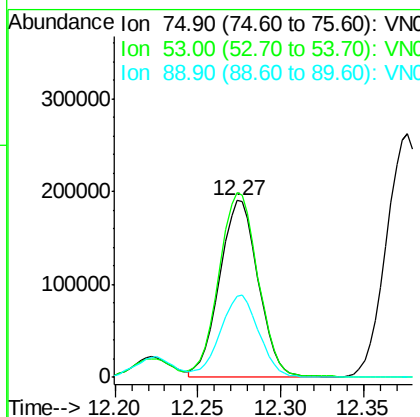
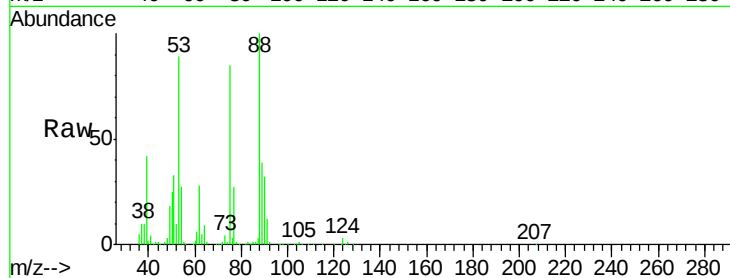
#81
trans-1,4-Dichloro-2-butene
Concen: 164.325 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	106.7	85.7	128.5
89	46.5	38.0	57.0

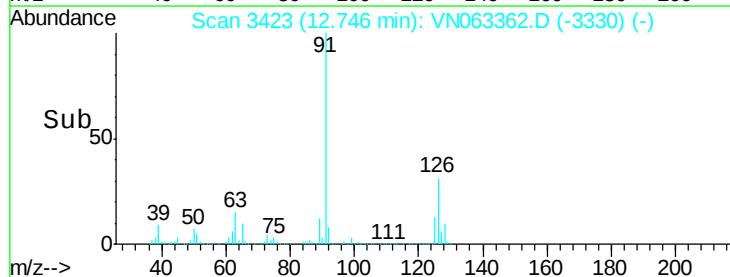
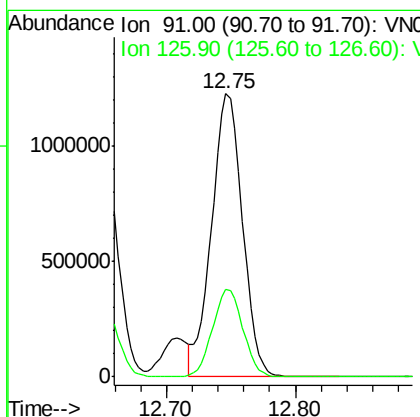
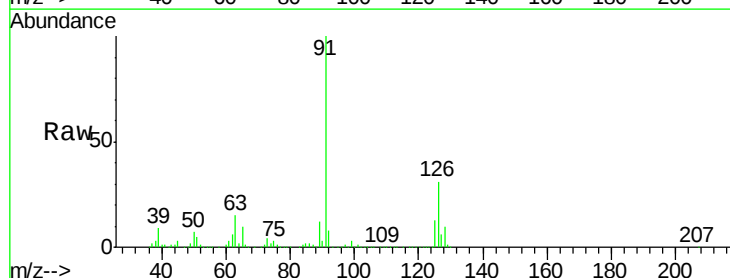
Manual Integrations
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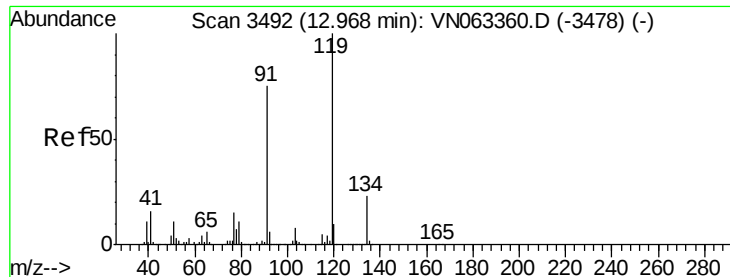
MMDadoda
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#82
4-Chlorotoluene
Concen: 152.289 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.5	15.5	46.5





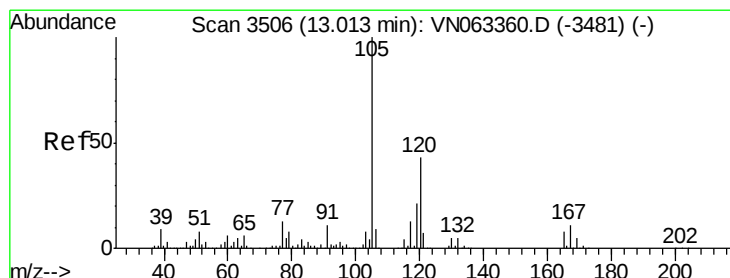
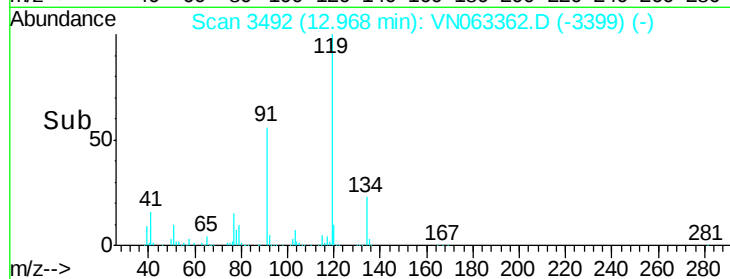
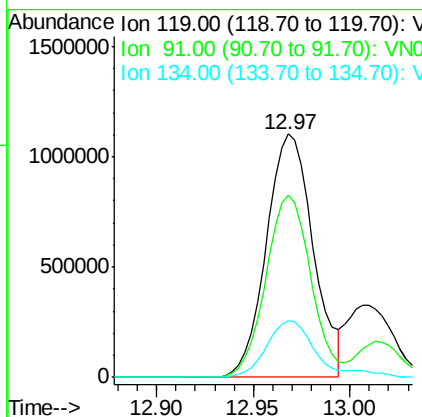
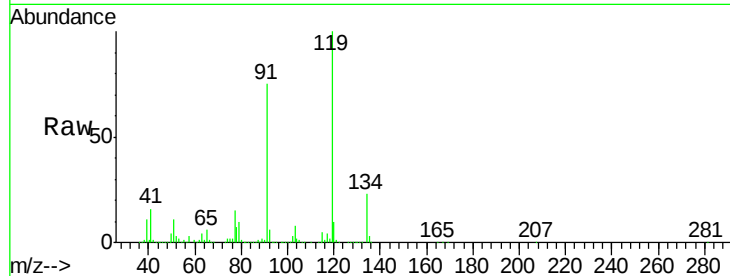
#83
tert-Butylbenzene
Concen: 145.406 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:119 Resp: 1858079
Ion Ratio Lower Upper
119 100
91 72.1 36.3 108.9
134 24.8 12.3 36.8

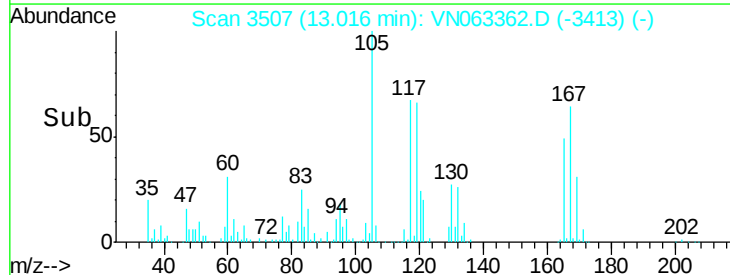
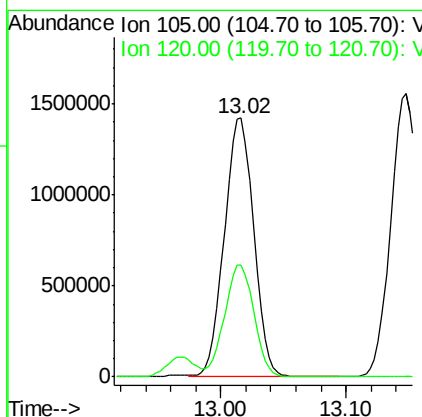
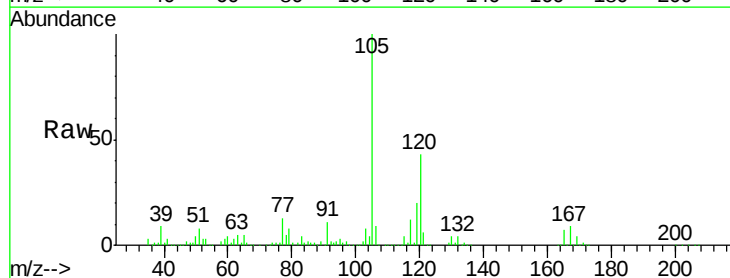
Manual Integrations
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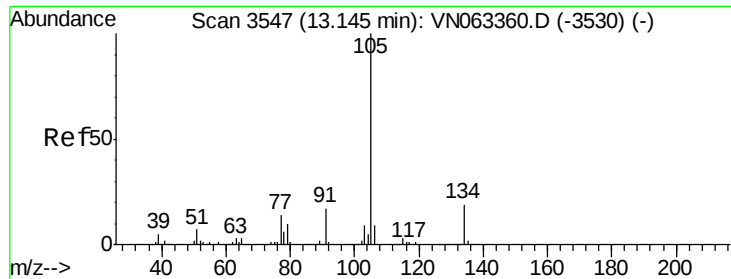
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 151.652 ug/l
RT: 13.02 min Scan# 3507
Delta R.T. 0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion:105 Resp: 2311025
Ion Ratio Lower Upper
105 100
120 43.2 21.3 63.9





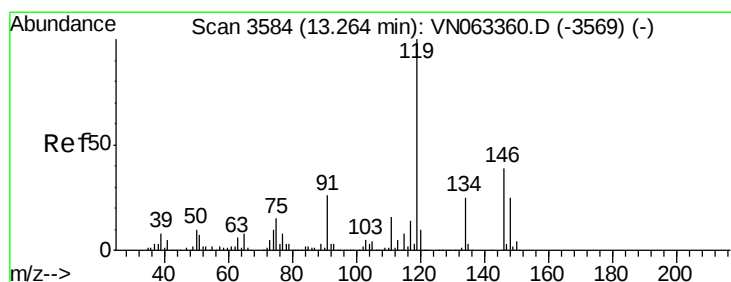
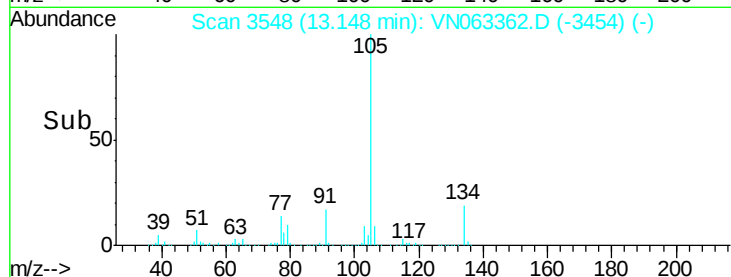
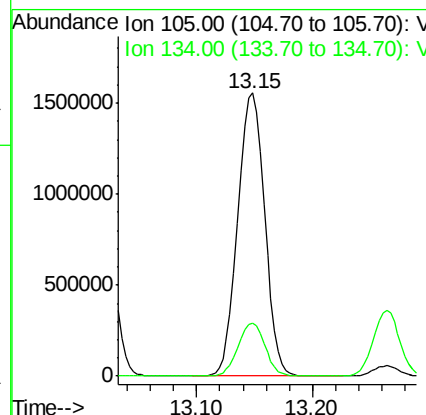
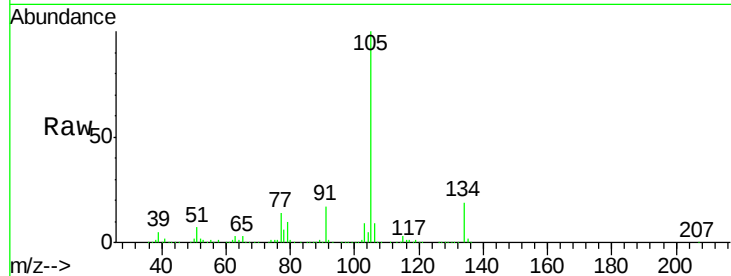
#85
 sec-Butylbenzene
 Concen: 153.051 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2493700
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.3 27.7

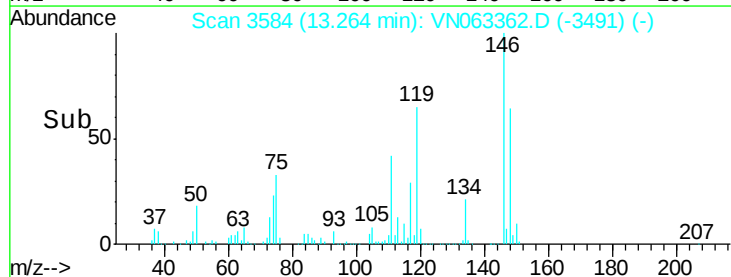
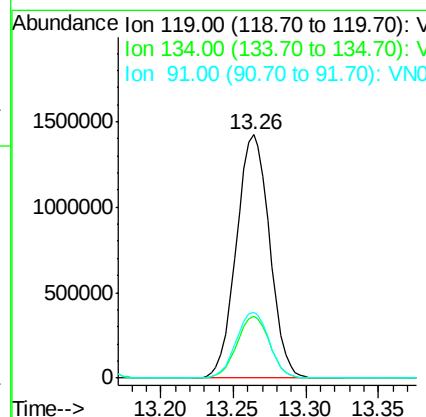
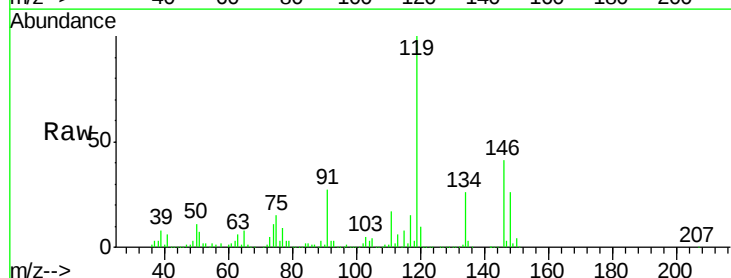
Manual Integrations
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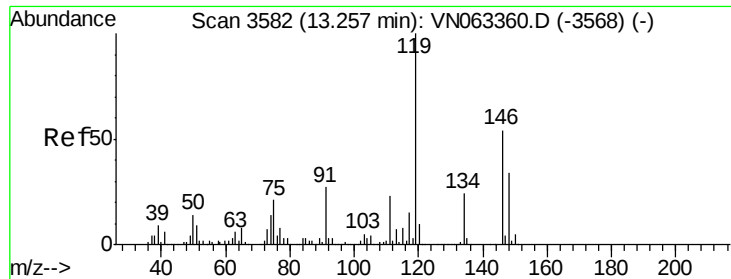
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 151.165 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Tgt Ion:119 Resp: 2253090
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.5 37.5
 91 27.0 13.4 40.1





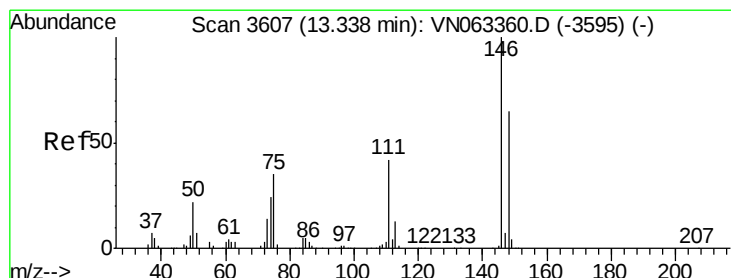
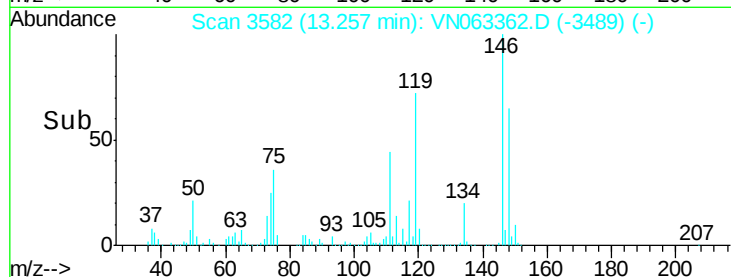
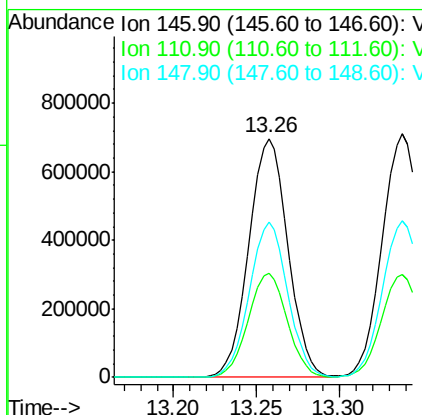
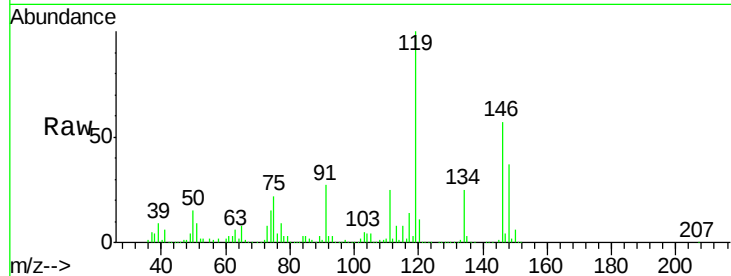
#87
 1,3-Dichlorobenzene
 Concen: 149.998 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:146 Resp: 1146042
 Ion Ratio Lower Upper
 146 100
 111 43.3 21.4 64.3
 148 63.8 31.9 95.7

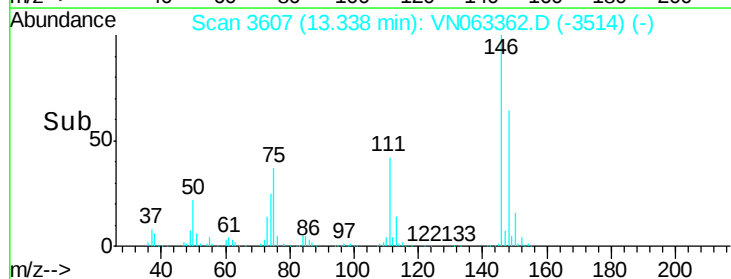
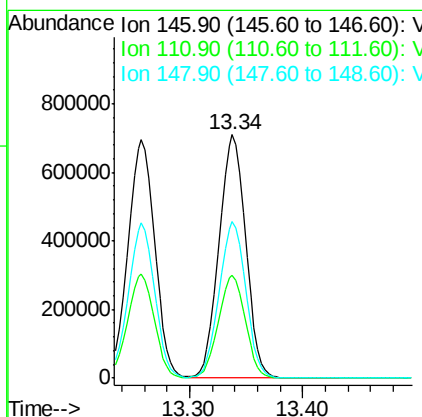
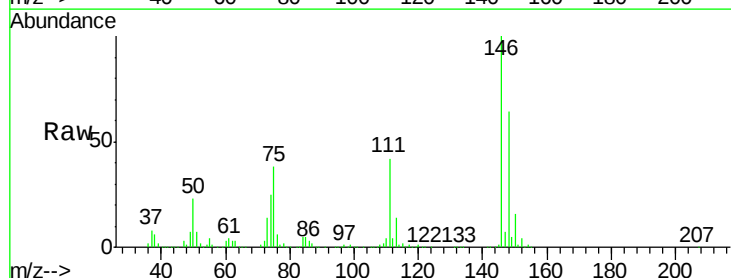
Manual Integrations
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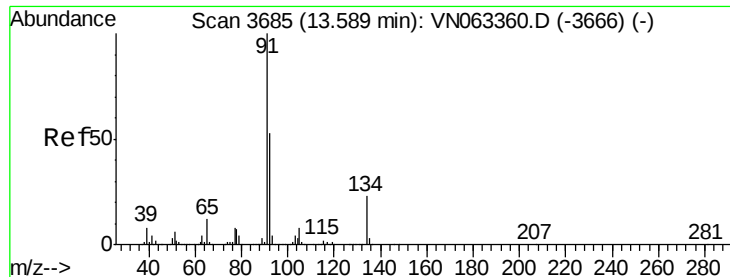
MMDadoda
 9/17/2020 1:07:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 147.161 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Tgt Ion:146 Resp: 1170429
 Ion Ratio Lower Upper
 146 100
 111 42.2 21.2 63.6
 148 64.0 31.9 95.9





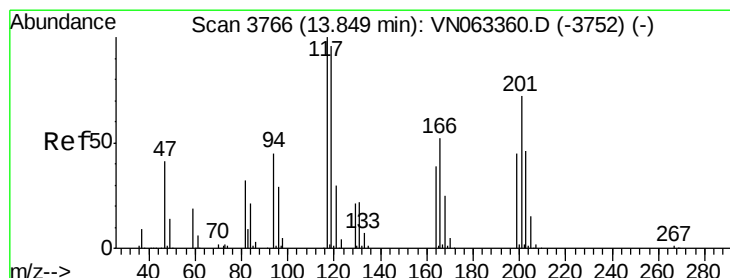
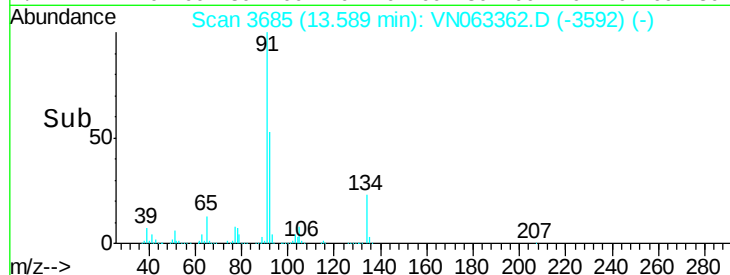
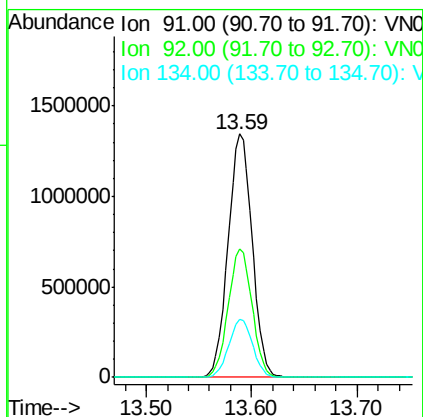
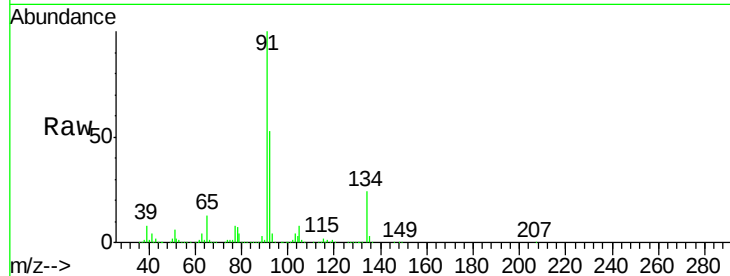
#89
n-Butylbenzene
Concen: 157.120 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2117305
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 23.7 11.7 35.0

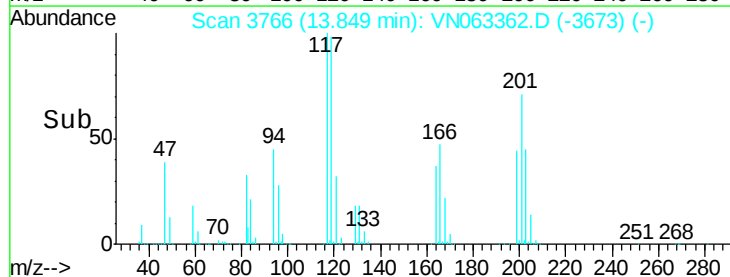
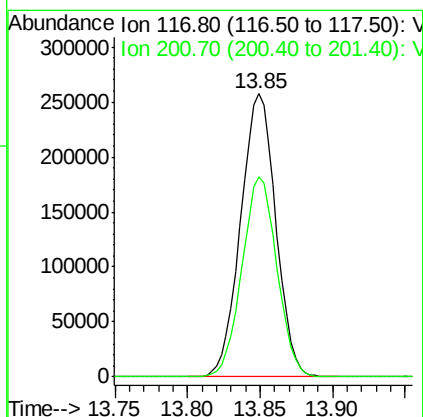
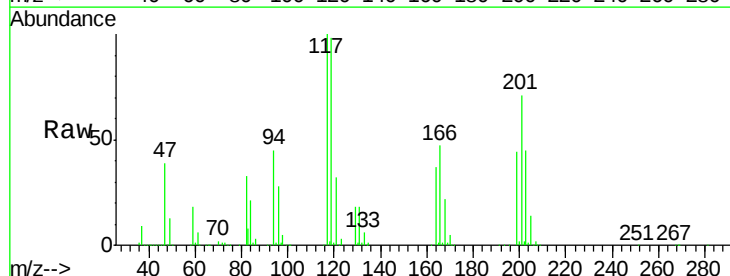
Manual Integrations
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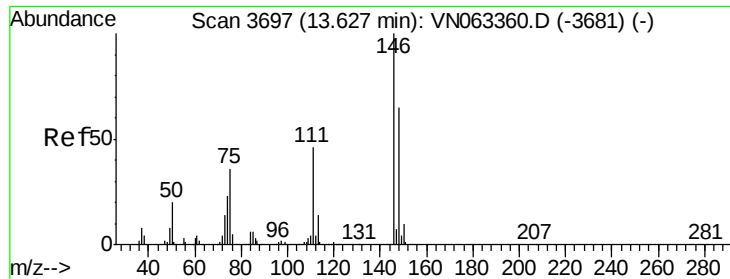
MMDadoda
9/17/2020 1:07:55 PM



#90
Hexachloroethane
Concen: 174.698 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063362.D
Acq: 16 Sep 2020 12:43

Tgt Ion: 117 Resp: 433935
Ion Ratio Lower Upper
117 100
201 70.3 35.5 106.7





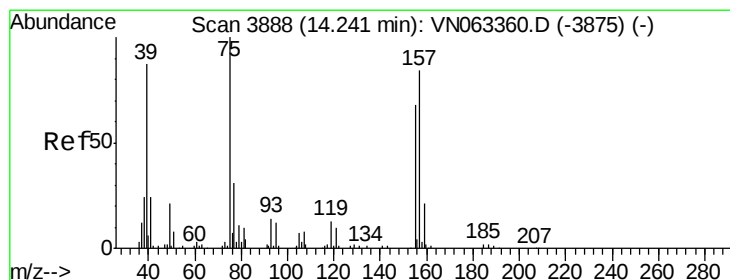
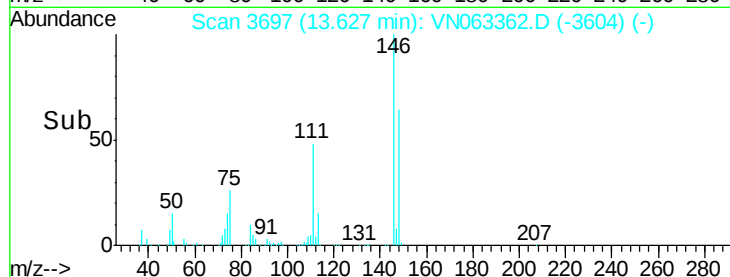
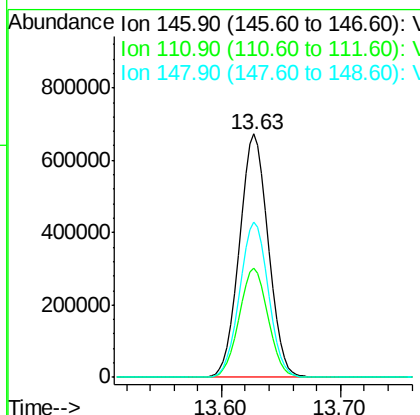
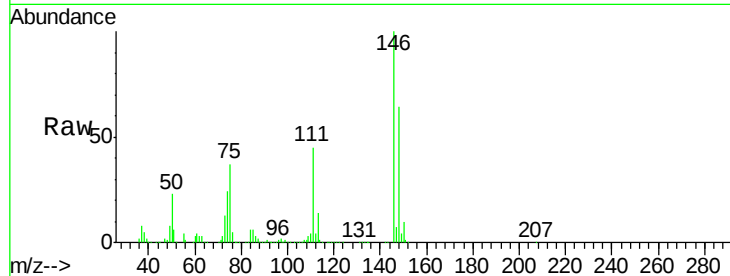
#91
 1,2-Dichlorobenzene
 Concen: 149.438 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.4	67.2
148	63.7	32.0	96.0

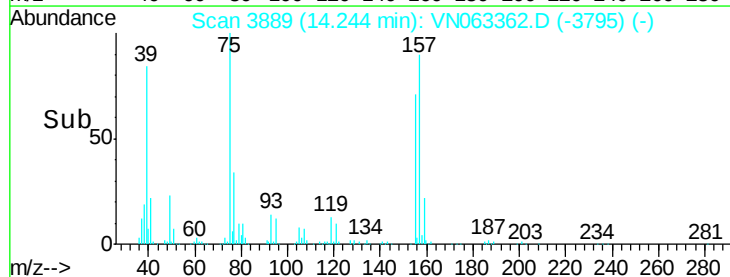
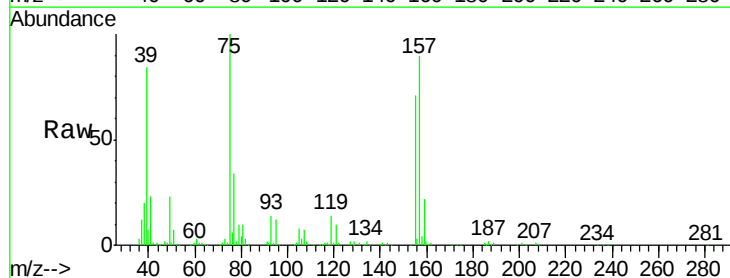
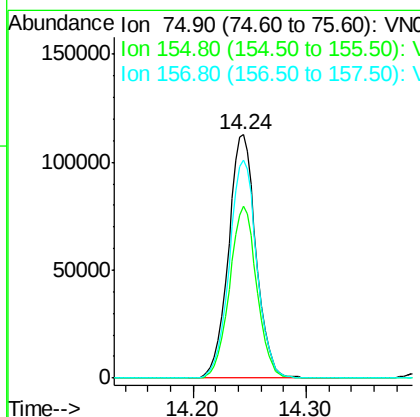
Manual Integrations
 APPROVED

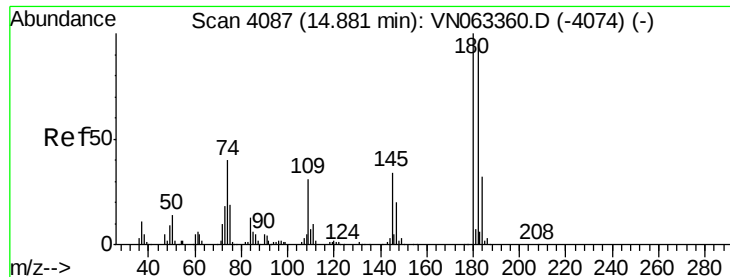
MMDadoda
 9/17/2020 1:07:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 157.543 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.9	34.6	103.9
157	89.5	43.7	131.1





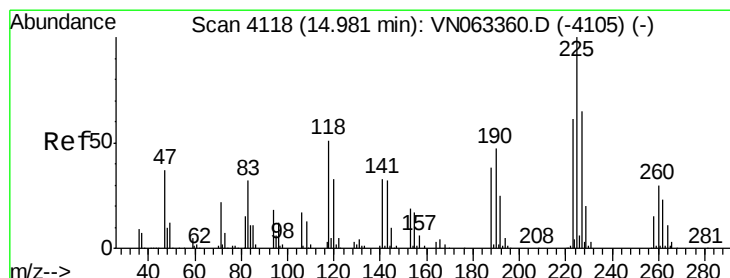
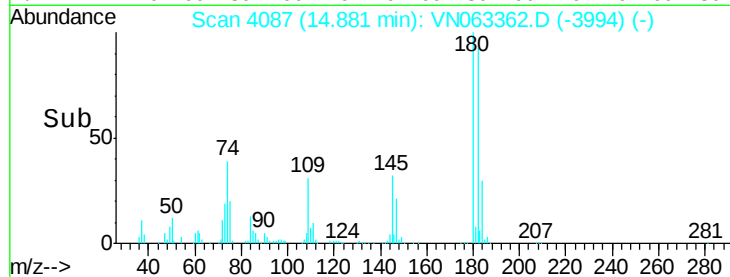
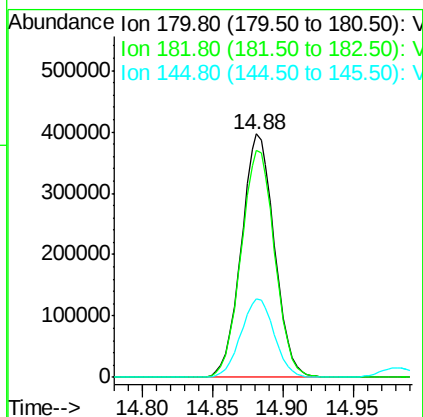
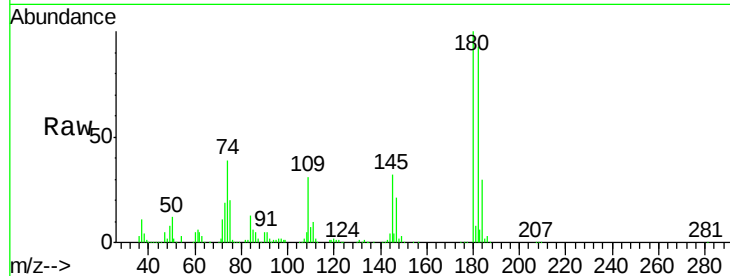
#93
 1,2,4-Trichlorobenzene
 Concen: 145.703 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	649444		
182	95.1	47.3	142.0	
145	32.8	16.6	49.7	

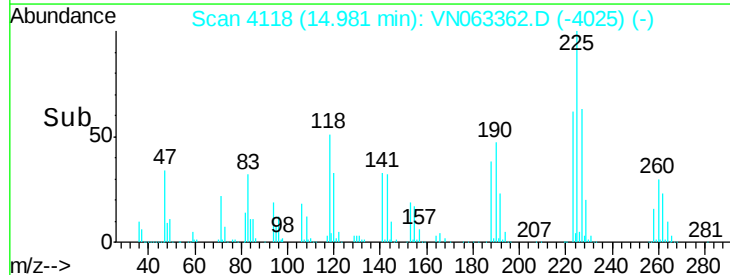
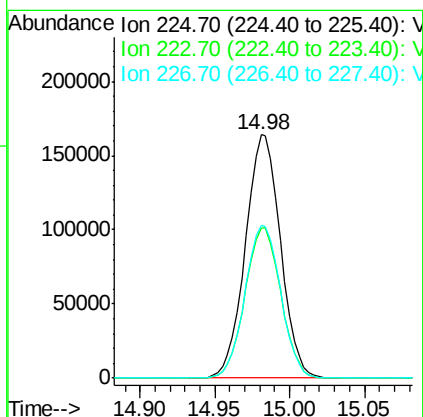
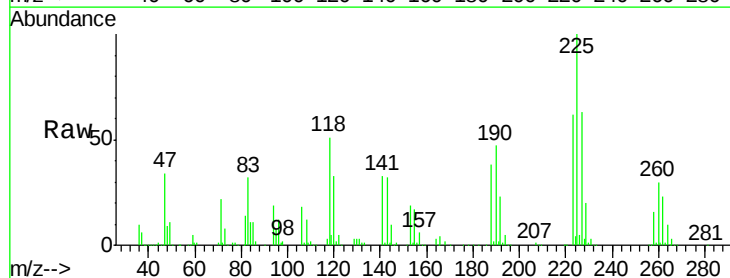
Manual Integrations
 APPROVED

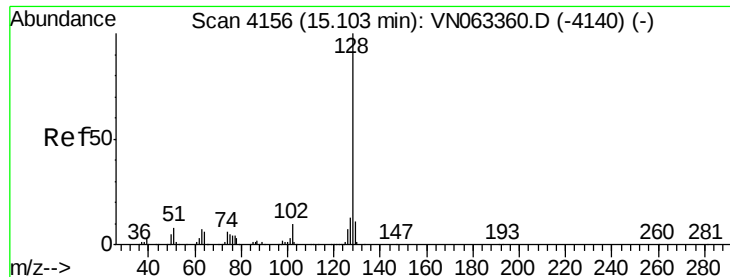
MMDadoda
 9/17/2020 1:07:55 PM



#94
 Hexachlorobutadiene
 Concen: 140.725 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063362.D
 Acq: 16 Sep 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	268467		
223	62.9	30.6	91.6	
227	63.7	31.2	93.6	





#95

Naphthalene

Concen: 147.946 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:128 Resp: 2149758

Ion Ratio Lower Upper

128 100

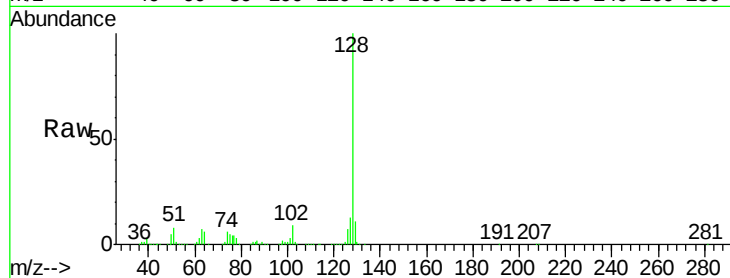
127 13.1 10.6 15.8

129 11.0 8.8 13.2

Manual Integrations
APPROVED

MMDadoda

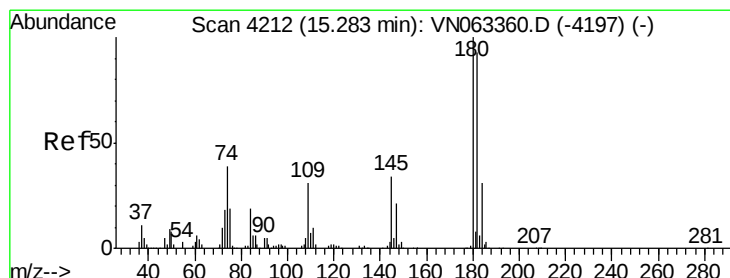
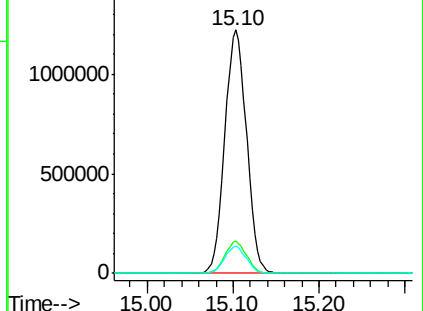
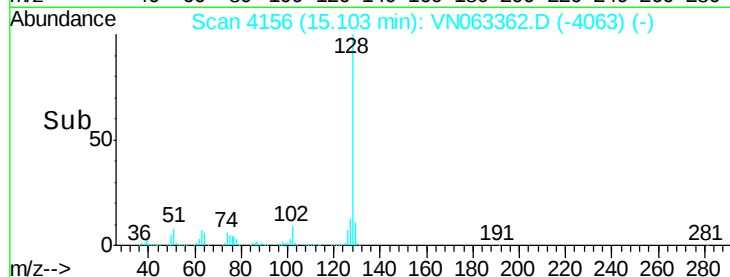
9/17/2020 1:07:55 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 142.062 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063362.D

Acq: 16 Sep 2020 12:43

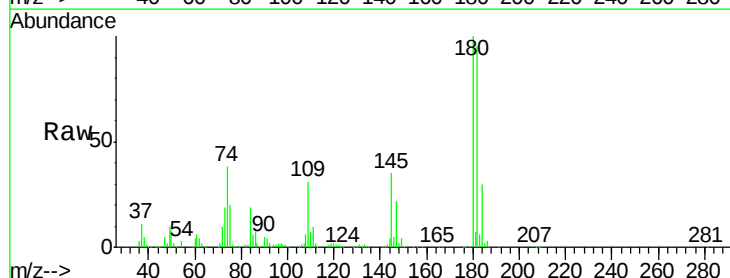
Tgt Ion:180 Resp: 619544

Ion Ratio Lower Upper

180 100

182 94.8 46.7 140.1

145 35.0 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

