

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090320\
 Data File : VN063208.D
 Acq On : 3 Sep 2020 10:00
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 11:14:40 AM

Quant Time: Sep 04 04:13:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N083120W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 01 04:21:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	417712	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	750618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	694601	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	329781	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	305284	44.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.42%	
35) Dibromofluoromethane	7.55	113	223118	46.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.66%	
50) Toluene-d8	10.06	98	878766	47.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.82%	
62) 4-Bromofluorobenzene	12.38	95	310564	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	191023	46.435	ug/l	97
3) Chloromethane	2.04	50	254022	42.406	ug/l	98
4) Vinyl Chloride	2.17	62	293749	44.393	ug/l	99
5) Bromomethane	2.53	94	271416	48.729	ug/l	100
6) Chloroethane	2.67	64	254247	48.325	ug/l	97
7) Trichlorofluoromethane	2.98	101	475345	52.245	ug/l	97
8) Diethyl Ether	3.37	74	139665	44.114	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.72	101	222076	49.376	ug/l	98
10) Methyl Iodide	3.91	142	268252	43.731	ug/l	100
11) Tert butyl alcohol	4.73	59	187115	223.240	ug/l	98
12) 1,1-Dichloroethene	3.69	96	215629	47.050	ug/l	96
13) Acrolein	3.57	56	82616	258.334	ug/l	95
14) Allyl chloride	4.27	41	394976	48.527	ug/l	97
15) Acrylonitrile	4.93	53	533454	227.430	ug/l	100
16) Acetone	3.77	43	501120	258.162	ug/l	98
17) Carbon Disulfide	4.01	76	610084	44.725	ug/l	99
18) Methyl Acetate	4.27	43	253038	50.840	ug/l	99
19) Methyl tert-butyl Ether	4.98	73	799059	47.000	ug/l	99
20) Methylene Chloride	4.50	84	251855	46.105	ug/l	92
21) trans-1,2-Dichloroethene	4.99	96	243623	48.116	ug/l	93
22) Diisopropyl ether	5.90	45	861628	47.239	ug/l	96
23) Vinyl Acetate	5.84	43	3601918	247.492	ug/l	100
24) 1,1-Dichloroethane	5.79	63	472302	46.971	ug/l	99
25) 2-Butanone	6.78	43	771848	256.802	ug/l	98
26) 2,2-Dichloropropane	6.77	77	439447	48.237	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	294522	47.856	ug/l	98
28) Bromochloromethane	7.14	49	237765	45.260	ug/l	99
29) Tetrahydrofuran	7.16	42	492080	236.776	ug/l	98
30) Chloroform	7.32	83	504456	47.952	ug/l	98
31) Cyclohexane	7.61	56	407788	45.876	ug/l	99
32) 1,1,1-Trichloroethane	7.52	97	445587	49.154	ug/l	100
36) 1,1-Dichloropropene	7.75	75	371307	51.456	ug/l	99
37) Ethyl Acetate	6.88	43	334039	49.031	ug/l #	96
38) Carbon Tetrachloride	7.73	117	373676	51.062	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	415462	51.249	ug/l	99
40) Benzene	8.00	78	1078929	50.880	ug/l	100
41) Methacrylonitrile	7.12	41	149457	49.164	ug/l	93
42) 1,2-Dichloroethane	8.08	62	409056	51.641	ug/l	100
43) Isopropyl Acetate	8.12	43	601397	51.103	ug/l	100
44) Trichloroethene	8.80	130	279680	54.375	ug/l	99
45) 1,2-Dichloropropane	9.08	63	278737	49.646	ug/l	96
46) Dibromomethane	9.17	93	194414	52.252	ug/l	99
47) Bromodichloromethane	9.37	83	412657	51.743	ug/l	99
48) Methyl methacrylate	9.16	41	273500	51.553	ug/l	95
49) 1,4-Dioxane	9.17	88	81248	990.158	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1709351	267.295	ug/l	99
52) Toluene	10.12	92	695256	52.633	ug/l	98
53) t-1,3-Dichloropropene	10.35	75	435552	49.928	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	469082	51.226	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	264388	52.262	ug/l	99
56) Ethyl methacrylate	10.40	69	396515	51.503	ug/l	100
57) 1,3-Dichloropropane	10.68	76	460085	51.051	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.66	63	980928	246.048	ug/l	100
59) 2-Hexanone	10.72	43	1271926	283.008	ug/l	99
60) Dibromochloromethane	10.87	129	293634	52.501	ug/l	100
61) 1,2-Dibromoethane	10.98	107	267610	50.887	ug/l	96
64) Tetrachloroethene	10.60	164	280940	56.324	ug/l	98
65) Chlorobenzene	11.41	112	703212	50.265	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	265680	51.149	ug/l	98
67) Ethyl Benzene	11.48	91	1338759	52.455	ug/l	100
68) m/p-Xylenes	11.59	106	998240	105.606	ug/l	99
69) o-Xylene	11.92	106	476738	52.208	ug/l	99
70) Styrene	11.94	104	818001	52.124	ug/l	100
71) Bromoform	12.10	173	179061	50.797	ug/l #	98
73) Isopropylbenzene	12.23	105	1287420	50.899	ug/l	100
74) N-amyl acetate	12.04	43	534060	50.974	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	344366	47.223	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	326343m	50.365	ug/l	
77) Bromobenzene	12.50	156	287153	50.198	ug/l	96
78) n-propylbenzene	12.57	91	1547641	52.876	ug/l	99
79) 2-Chlorotoluene	12.65	91	876154	49.979	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	1092362	51.885	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	126070	47.027	ug/l	99
82) 4-Chlorotoluene	12.75	91	933550	51.346	ug/l	99
83) tert-Butylbenzene	12.97	119	892801	49.446	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	1119321	52.745	ug/l	97
85) sec-Butylbenzene	13.15	105	1252429	53.222	ug/l	99
86) p-Isopropyltoluene	13.26	119	1124902	53.843	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	539552	51.343	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	548133	50.374	ug/l	99
89) n-Butylbenzene	13.59	91	1048295	54.313	ug/l	99
90) Hexachloroethane	13.85	117	183218	47.374	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	529419	51.915	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	73504	45.848	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	299383	52.547	ug/l	100
94) Hexachlorobutadiene	14.98	225	112004	52.624	ug/l	96
95) Naphthalene	15.10	128	937938	49.343	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	285811	51.490	ug/l	99

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

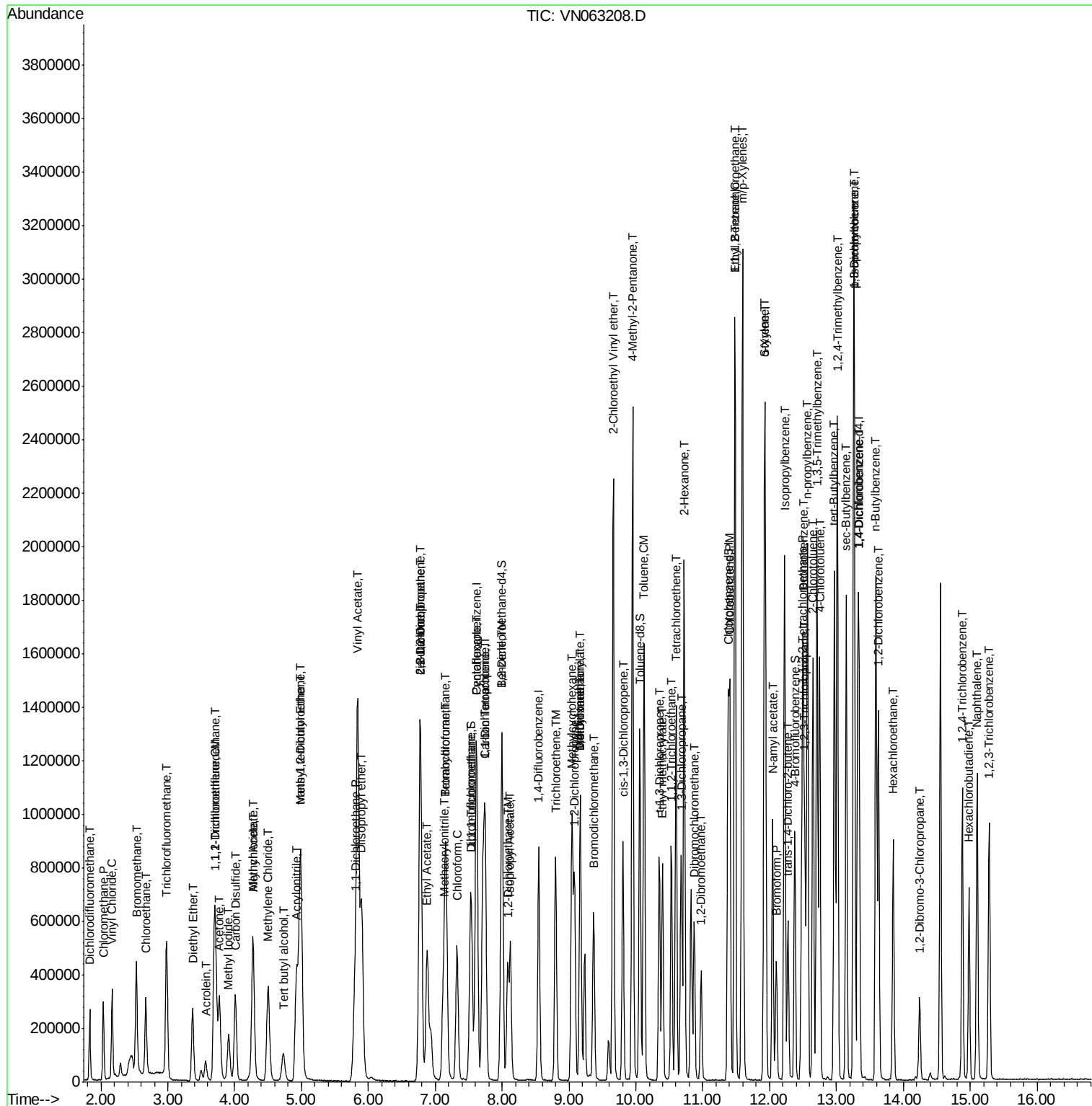
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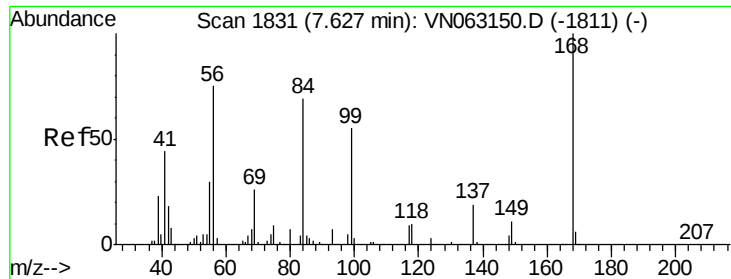
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 417712

Ion Ratio Lower Upper

168 100

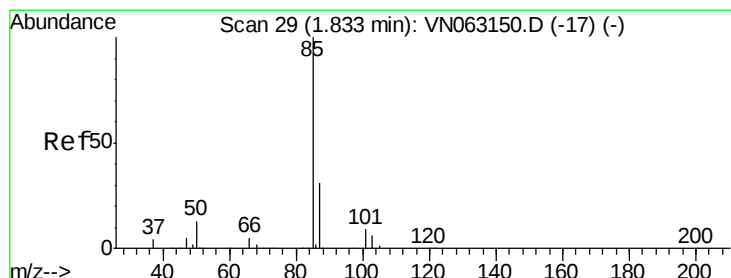
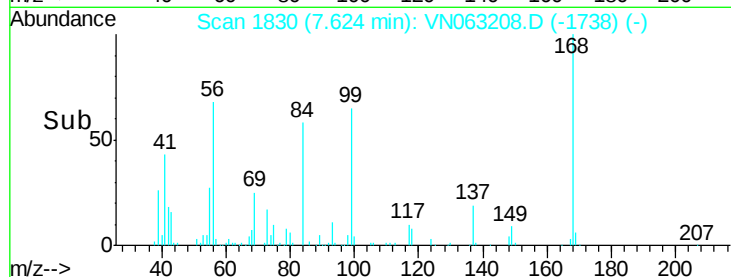
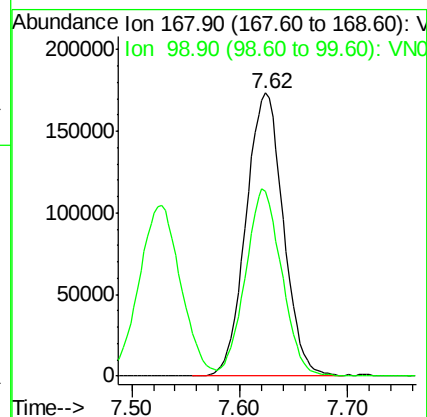
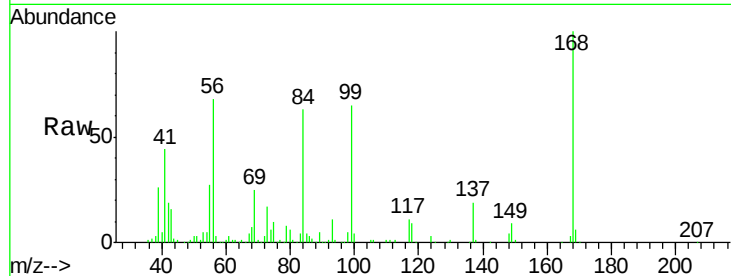
99 64.8 54.2 81.2

Manual Integrations

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MMDadoda

9/4/2020 11:14:40 AM



#2

Dichlorodifluoromethane

Concen: 46.435 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN063208.D

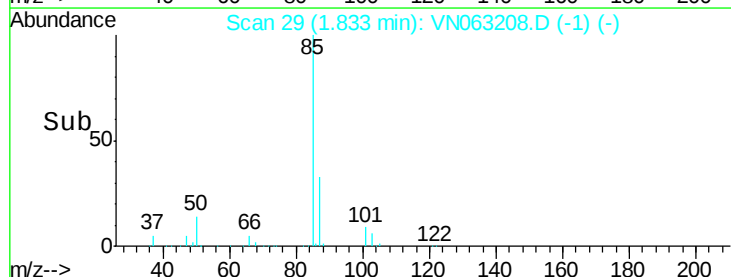
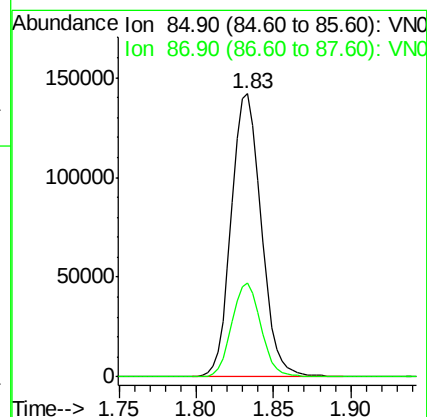
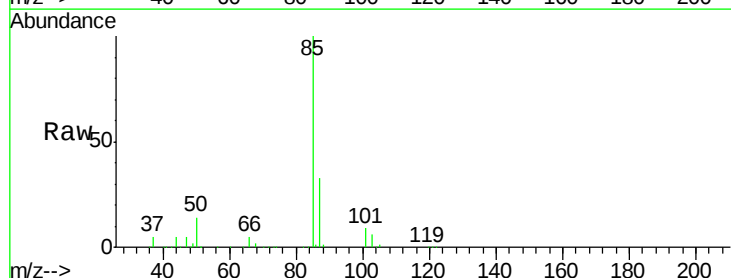
Acq: 3 Sep 2020 10:00

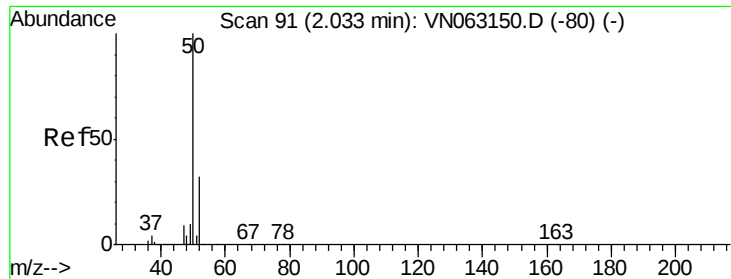
Tgt Ion: 85 Resp: 191023

Ion Ratio Lower Upper

85 100

87 33.0 15.6 46.8





#3

Chloromethane

Concen: 42.406 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 254022

Ion Ratio Lower Upper

50 100

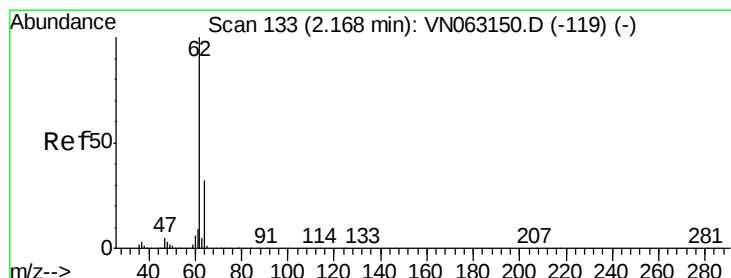
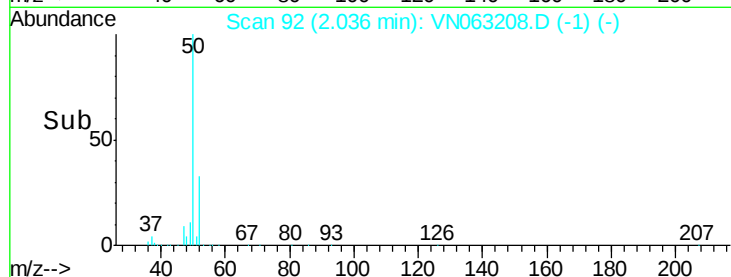
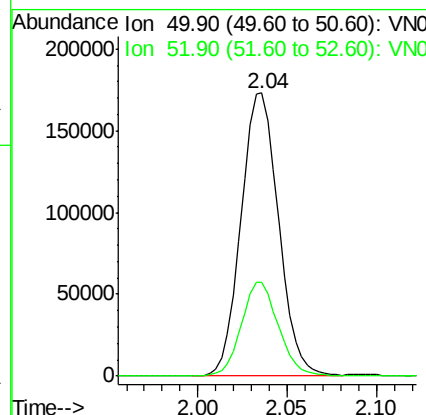
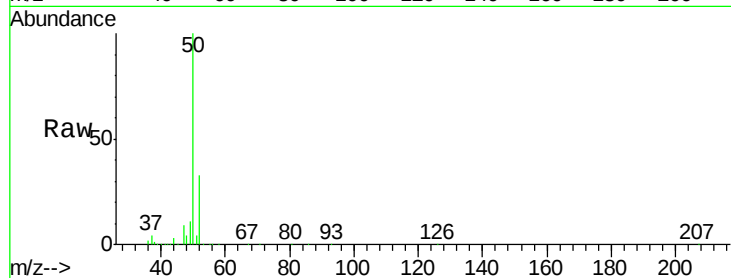
52 33.1 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.393 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN063208.D

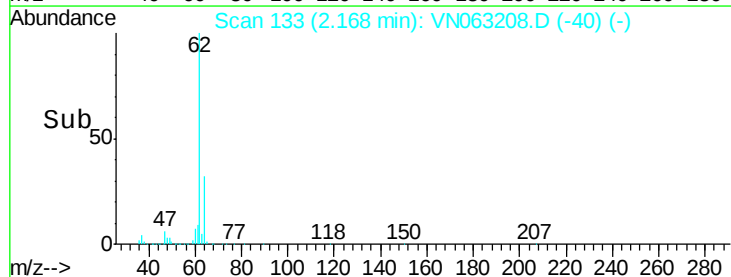
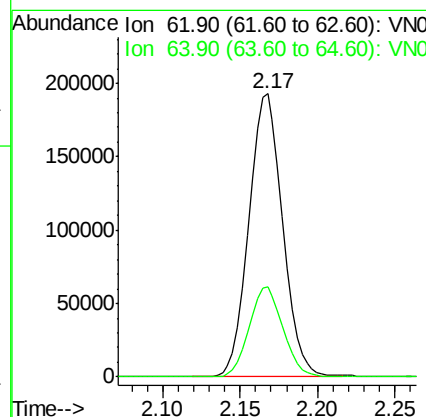
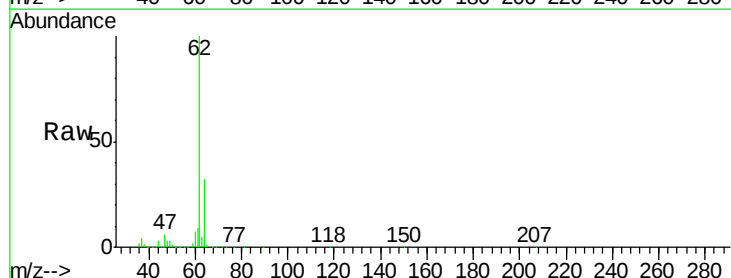
Acq: 3 Sep 2020 10:00

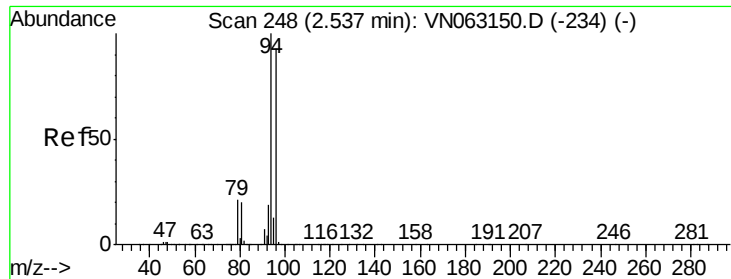
Tgt Ion: 62 Resp: 293749

Ion Ratio Lower Upper

62 100

64 31.7 25.8 38.8





#5

Bromomethane

Concen: 48.729 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

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Tot Ion: 94 Resp: 271416

Ion Ratio Lower Upper

94 100

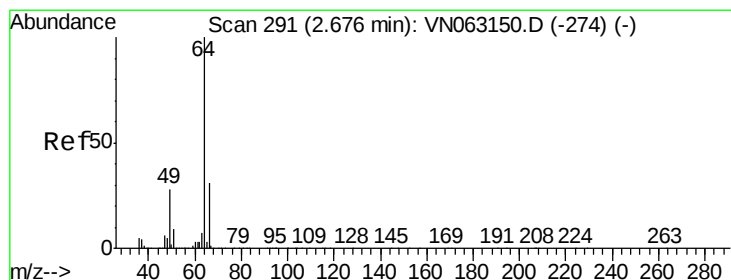
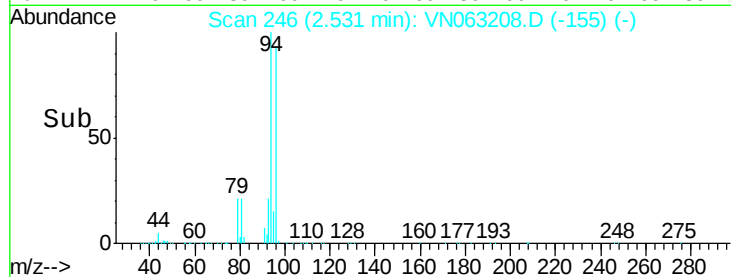
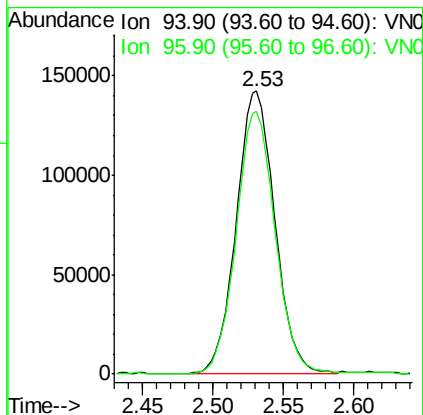
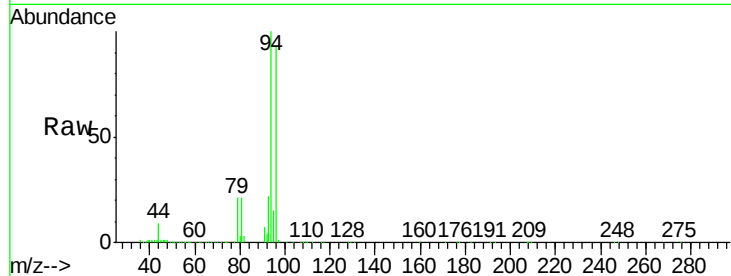
96 92.7 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 48.325 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN063208.D

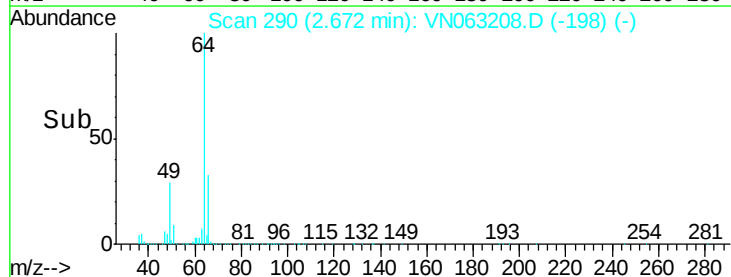
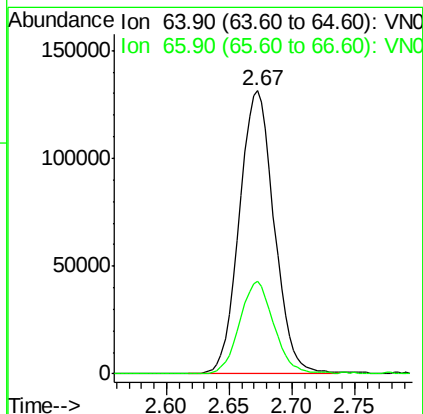
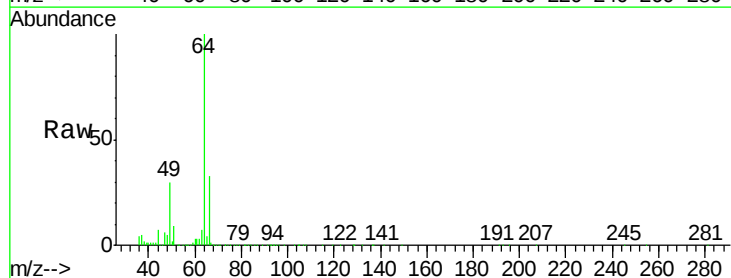
Acq: 3 Sep 2020 10:00

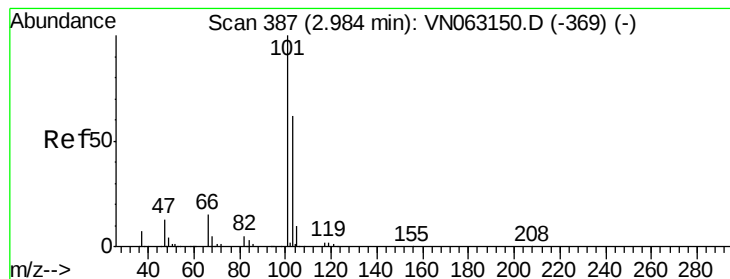
Tgt Ion: 64 Resp: 254247

Ion Ratio Lower Upper

64 100

66 32.6 24.7 37.1





#7

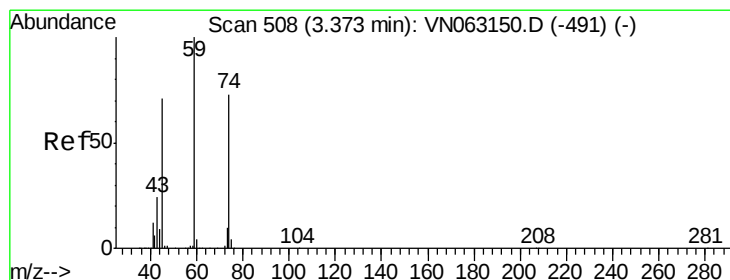
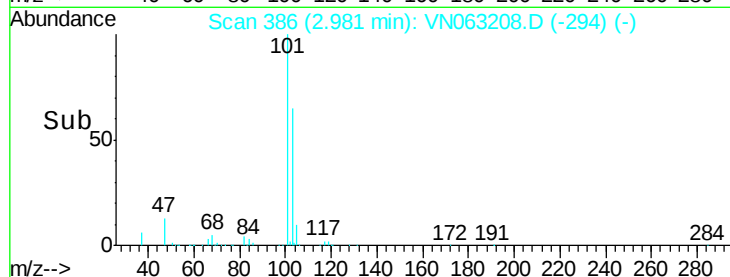
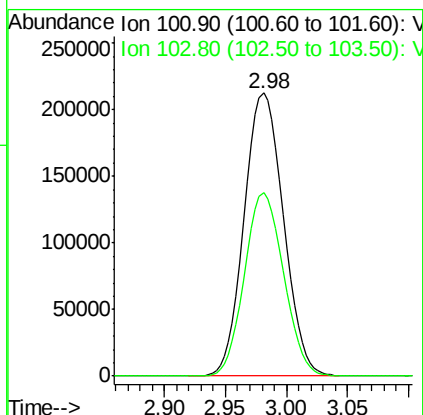
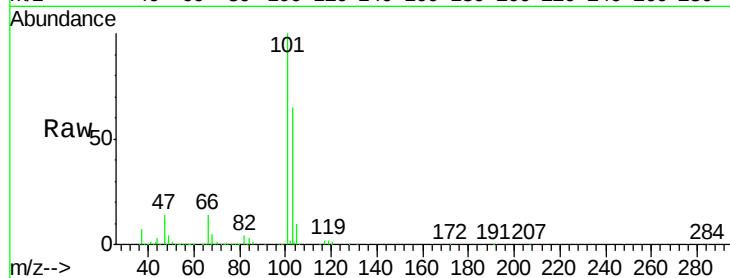
Trichlorofluoromethane
Concen: 52.245 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN063208.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	49.7	74.5

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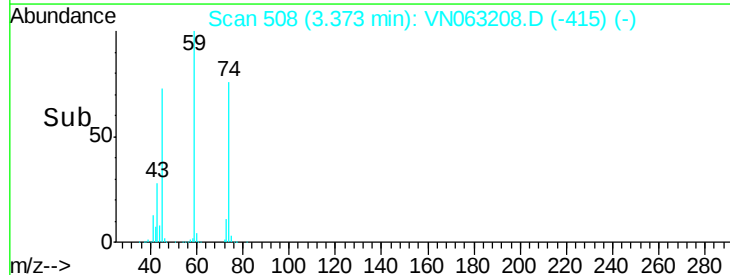
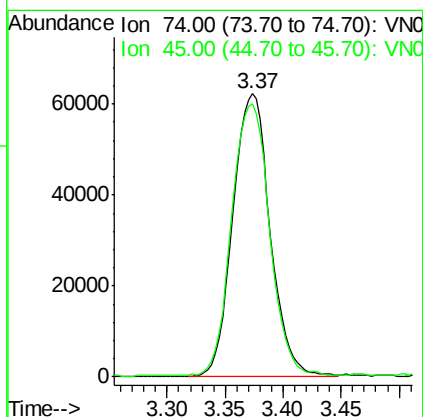
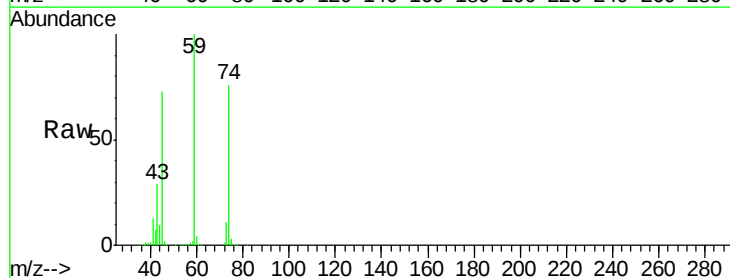
MMDadoda
9/4/2020 11:14:40 AM

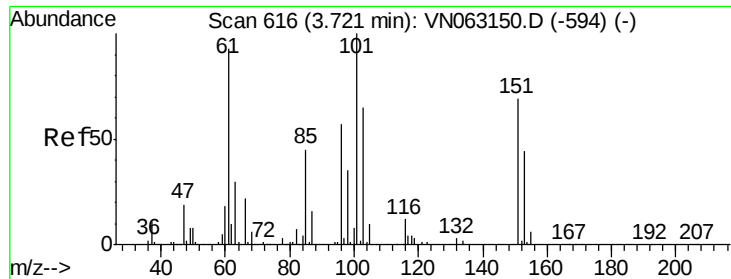


#8

Diethyl Ether
Concen: 44.114 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063208.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.376 ug/l

RT: 3.72 min Scan# 616

Delta R.T. -0.00 min

Lab File: VN063208.D

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Instrument :

MSVOA_N

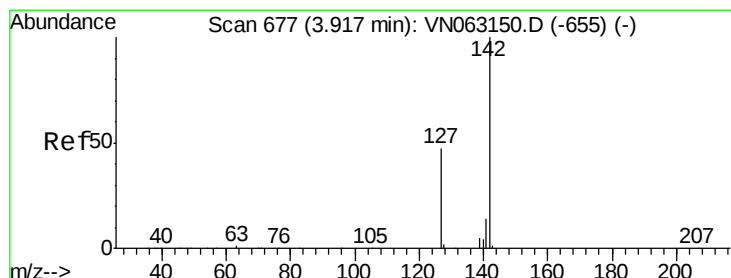
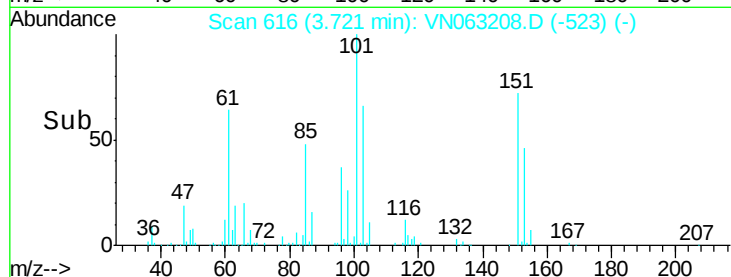
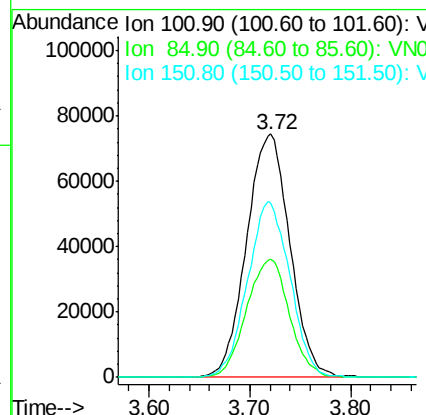
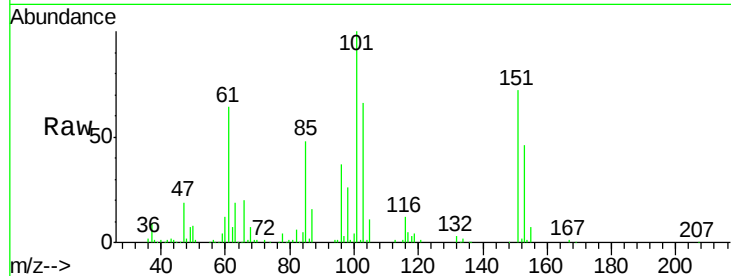
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	222076
Ion Ratio	Lower	Upper	
101	100		
85	48.2	37.8	56.8
151	70.8	55.0	82.4

Manual Integrations
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MMDadoda
9/4/2020 11:14:40 AM



#10

Methyl Iodide

Concen: 43.731 ug/l

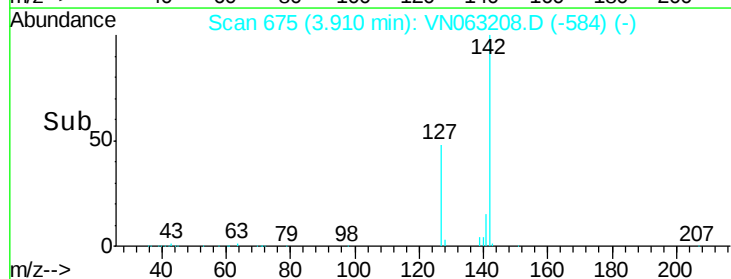
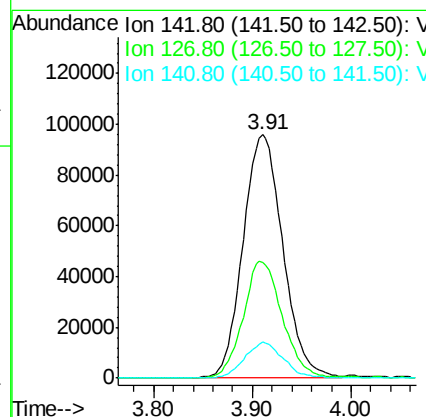
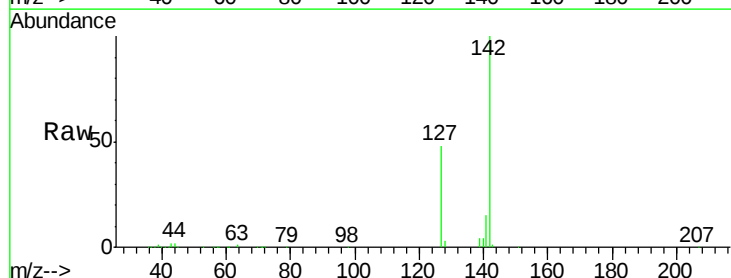
RT: 3.91 min Scan# 675

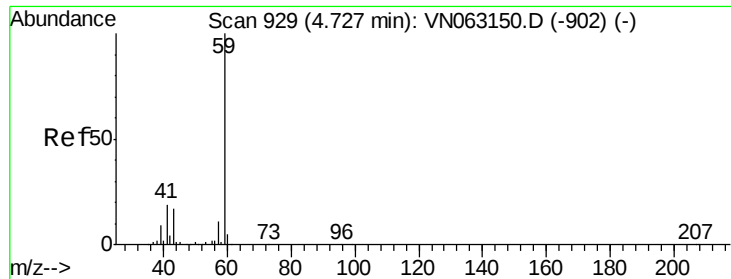
Delta R.T. -0.01 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Tgt Ion:	142	Resp:	268252
Ion Ratio	Lower	Upper	
142	100		
127	47.1	37.6	56.4
141	14.4	11.3	16.9





#11

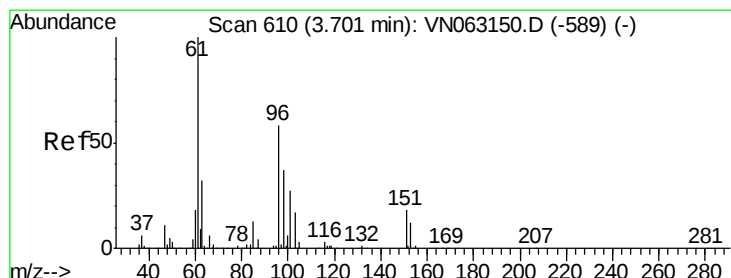
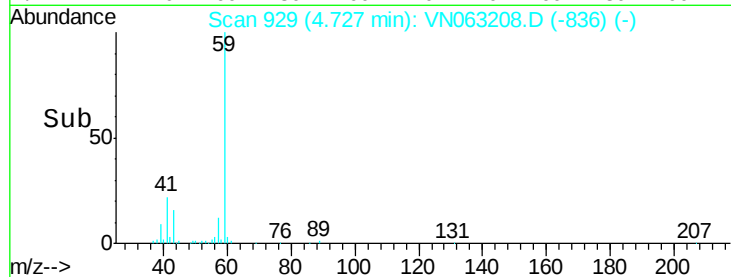
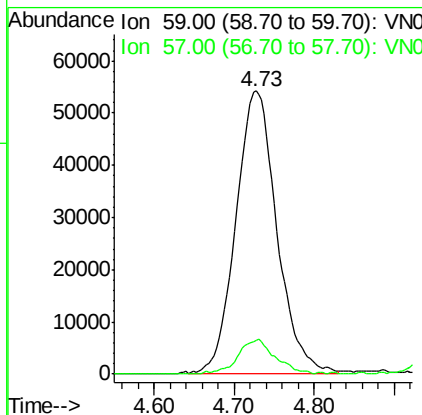
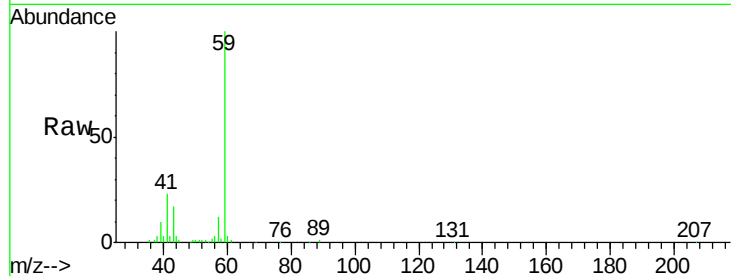
Tert butyl alcohol
Concen: 223.240 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	187115		
57	11.3		8.4	12.6

Manual Integrations
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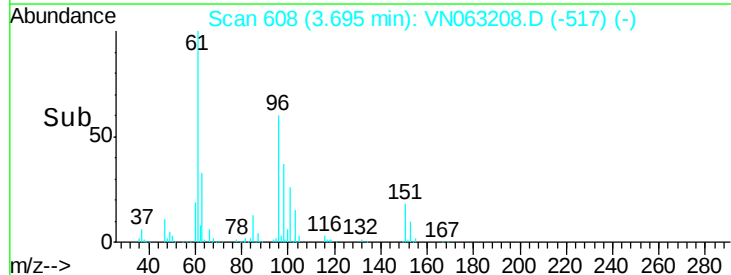
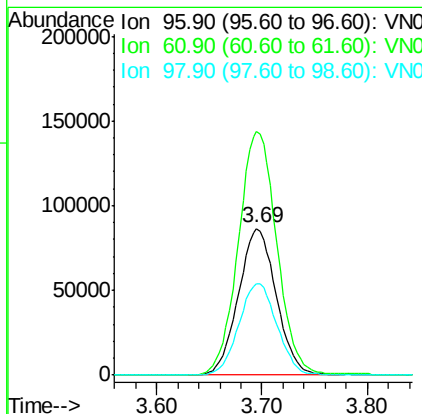
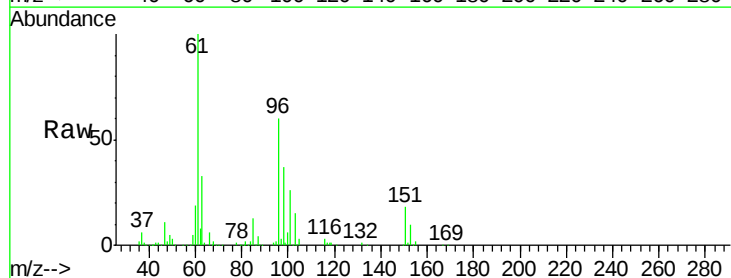
MMDadoda
9/4/2020 11:14:40 AM

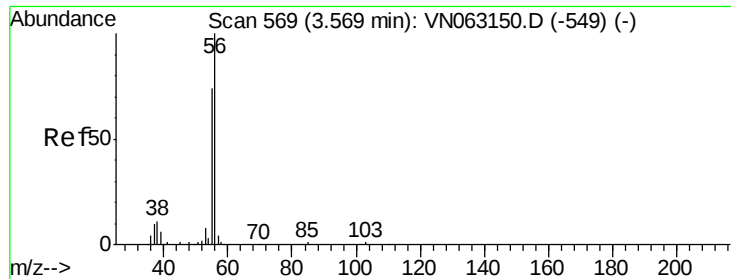


#12

1,1-Dichloroethene
Concen: 47.050 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.01 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	215629		
61	165.7		137.4	206.2
98	61.8		50.5	75.7





#13

Acrolein

Concen: 258.334 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 82616

Ion Ratio Lower Upper

56 100

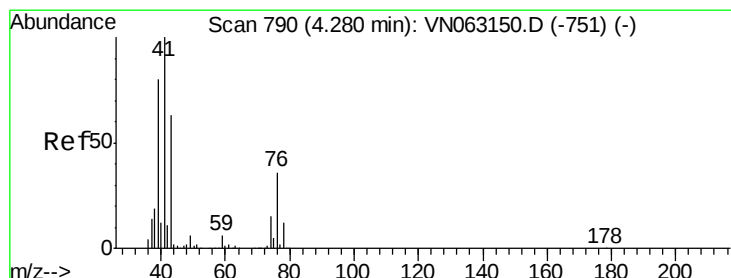
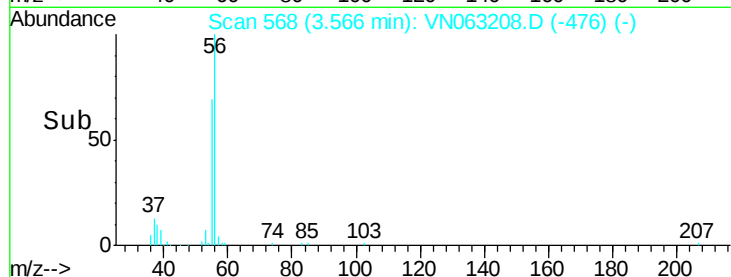
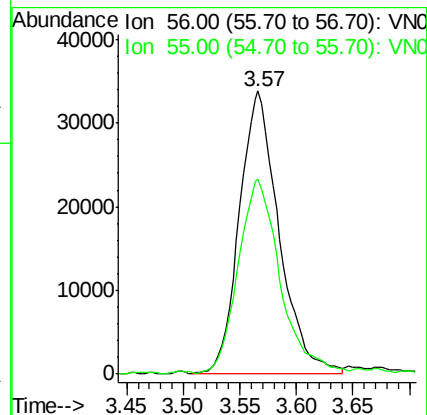
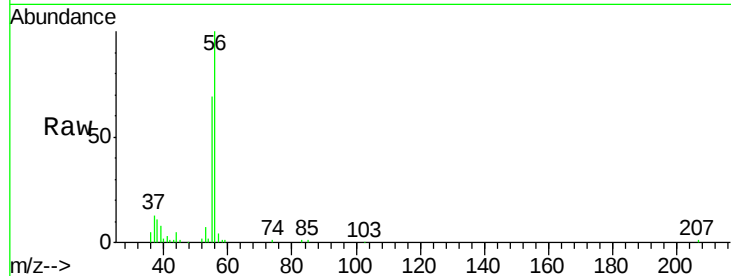
55 73.1 55.4 83.0

Manual Integrations

APPROVED

MMDadoda

9/4/2020 11:14:40 AM



#14

Allyl chloride

Concen: 48.527 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

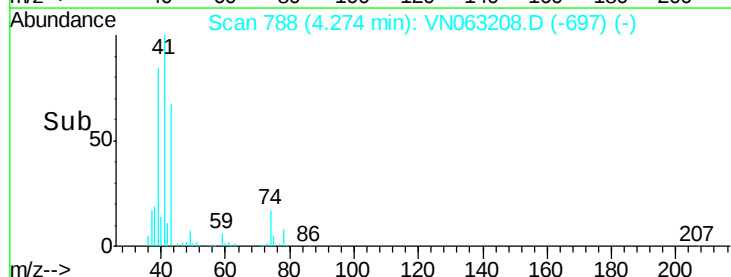
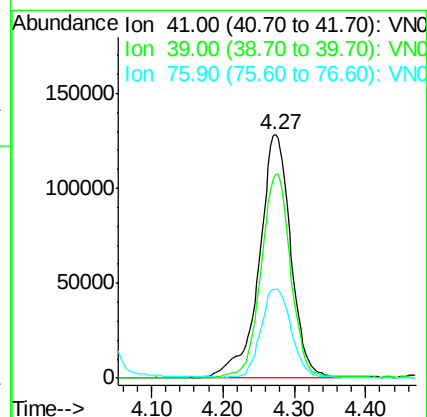
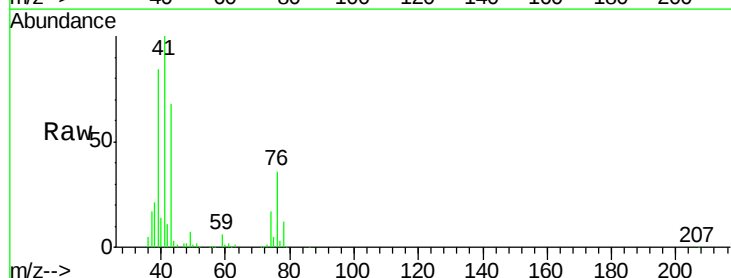
Tgt Ion: 41 Resp: 394976

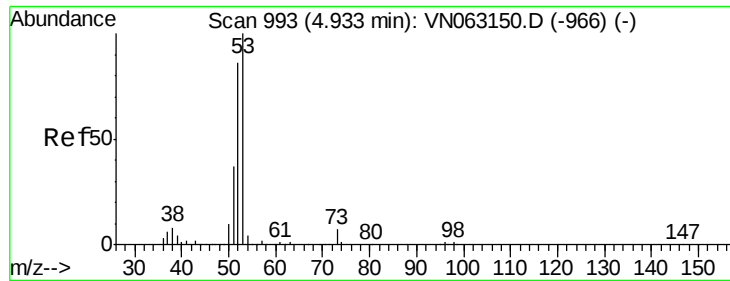
Ion Ratio Lower Upper

41 100

39 78.2 60.2 90.2

76 35.5 27.7 41.5





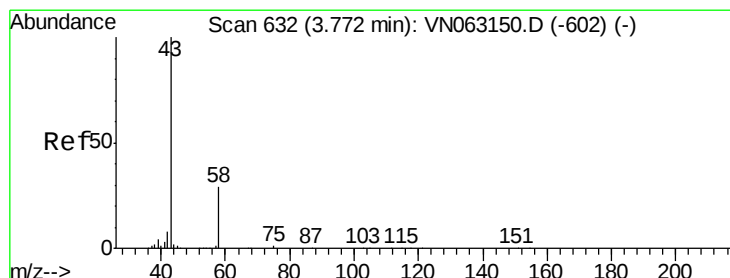
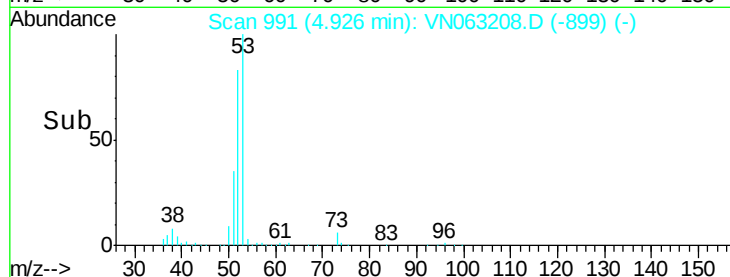
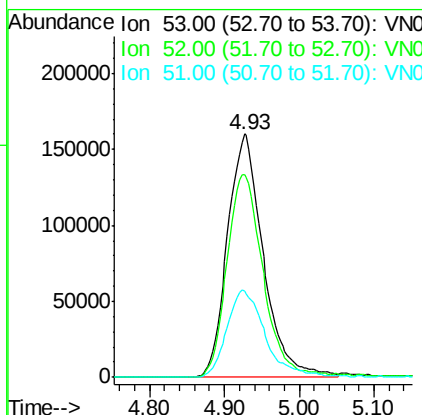
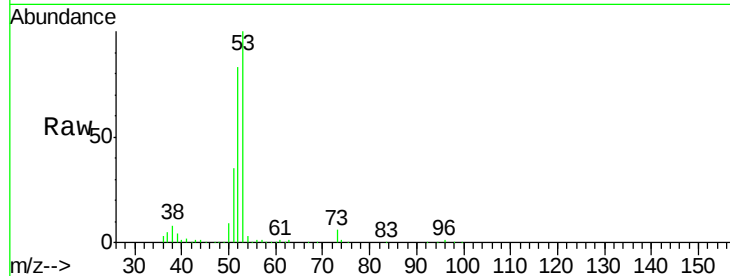
#15
 Acrylonitrile
 Concen: 227.430 ug/l
 RT: 4.93 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.2	67.2	100.8
51	38.4	30.2	45.4

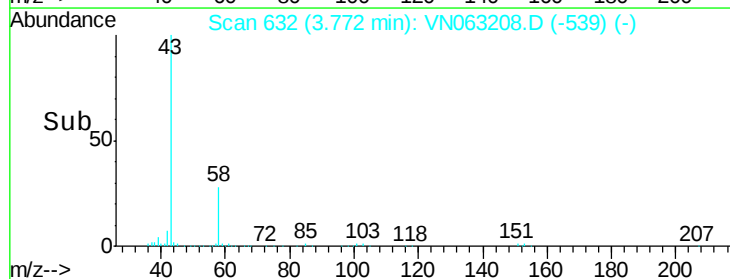
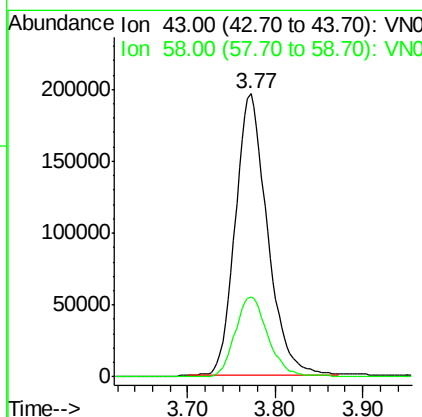
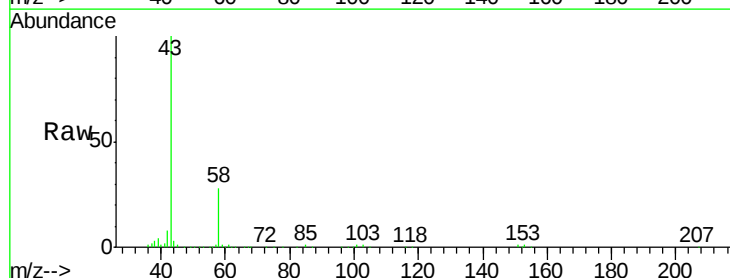
Manual Integrations
 APPROVED

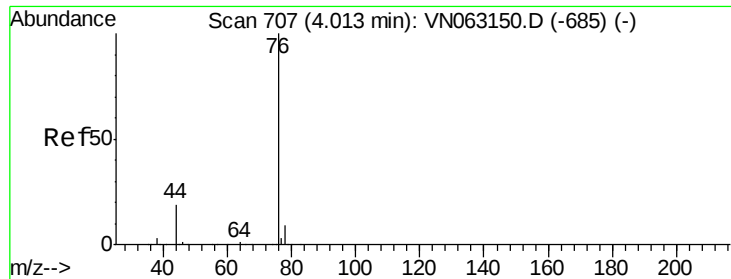
MMDadoda
 9/4/2020 11:14:40 AM



#16
 Acetone
 Concen: 258.162 ug/l
 RT: 3.77 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.1	34.7





#17

Carbon Disulfide

Concen: 44.725 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 610084

Ion Ratio Lower Upper

76 100

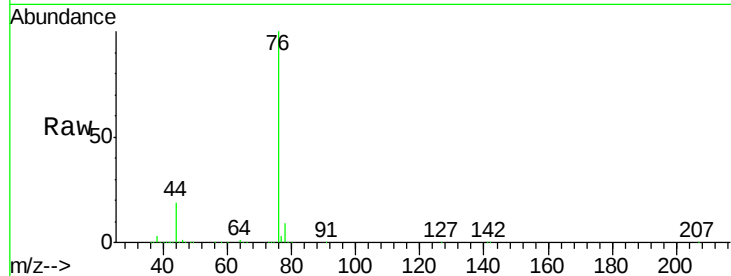
78 9.0 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

9/4/2020 11:14:40 AM



Abundance Ion 75.90 (75.60 to 76.60): VN063150.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN063150.D (-685) (-)

4.01

250000

200000

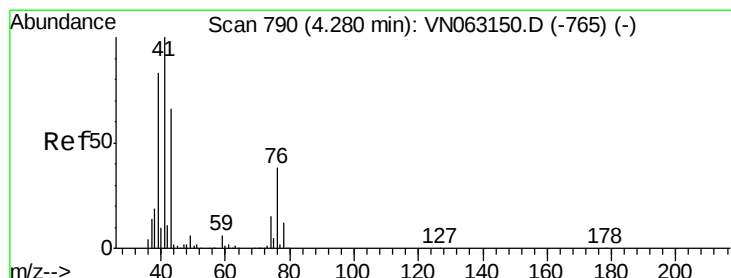
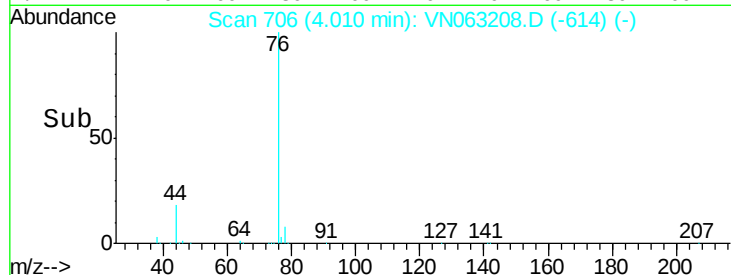
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 50.840 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.01 min

Lab File: VN063208.D

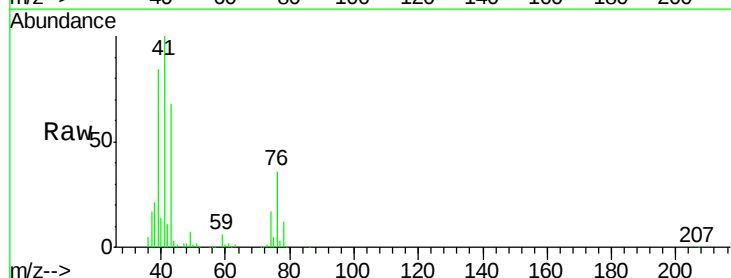
Acq: 3 Sep 2020 10:00

Tgt Ion: 43 Resp: 253038

Ion Ratio Lower Upper

43 100

74 23.5 19.0 28.6



Abundance Ion 43.00 (42.70 to 43.70): VN063208.D (-697) (-)

Ion 74.00 (73.70 to 74.70): VN063208.D (-697) (-)

4.27

100000

80000

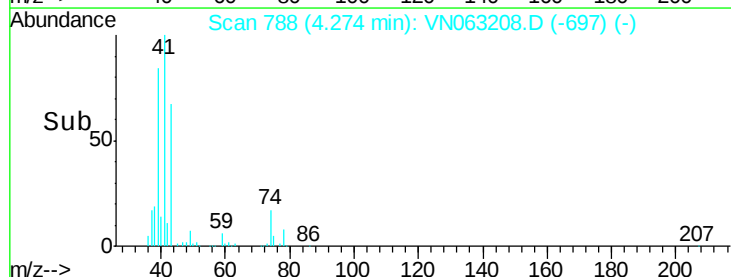
60000

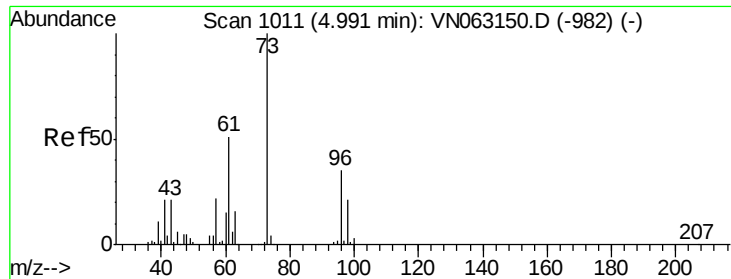
40000

20000

0

Time-->





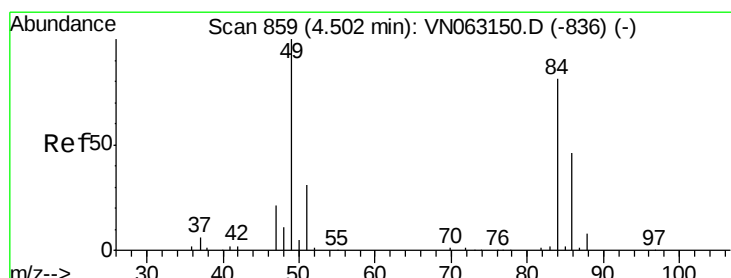
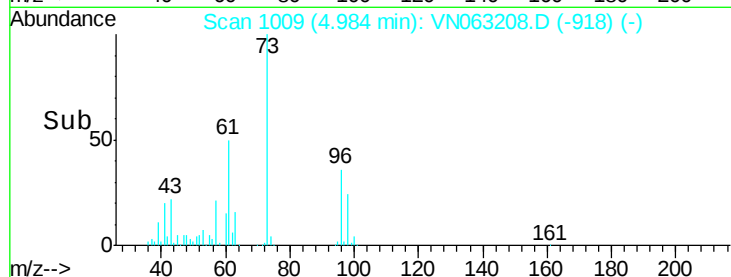
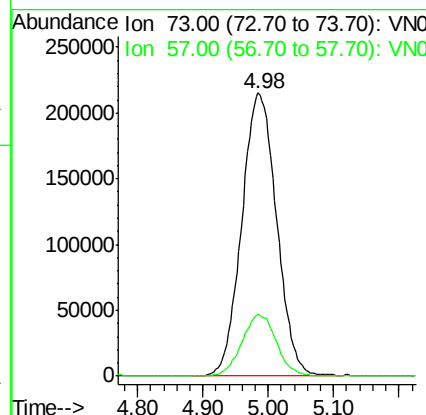
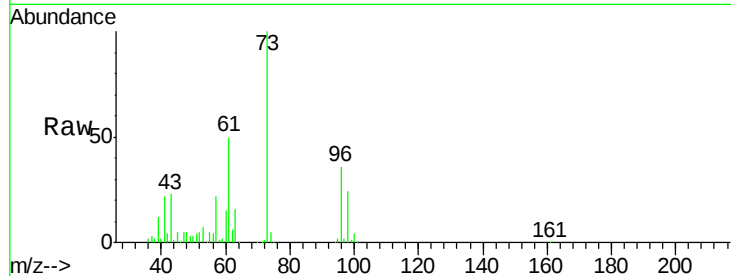
#19
Methvl tert-butvl Ether
Concen: 47.000 ug/l
RT: 4.98 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 799059
Ion Ratio Lower Upper
73 100
57 21.6 17.6 26.4

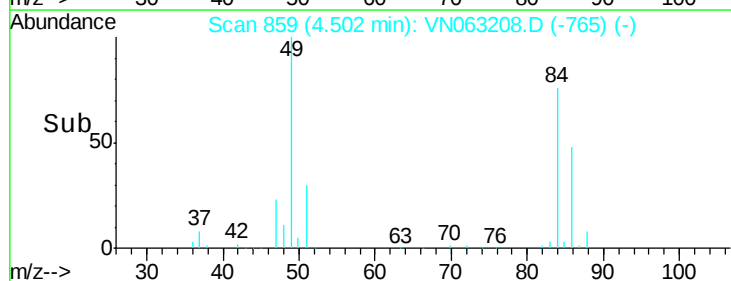
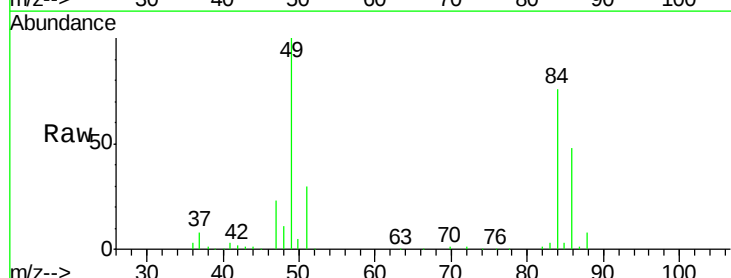
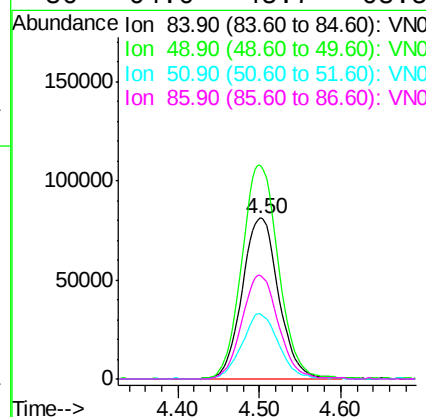
Manual Integrations
APPROVED

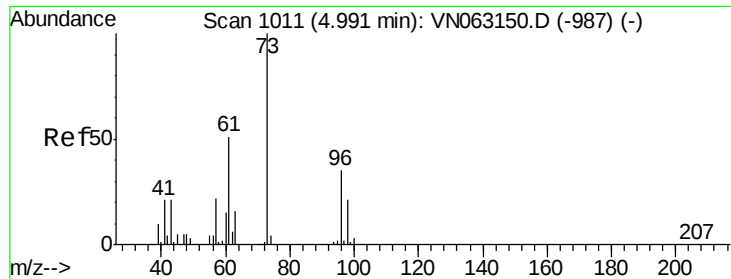
MMDadoda
9/4/2020 11:14:40 AM



#20
Methylene Chloride
Concen: 46.105 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion: 84 Resp: 251855
Ion Ratio Lower Upper
84 100
49 132.4 98.4 147.6
51 40.1 30.4 45.6
86 64.0 45.7 68.5





#21

trans-1,2-Dichloroethene

Concen: 48.116 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

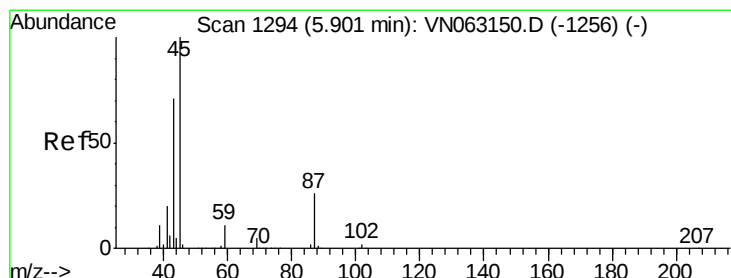
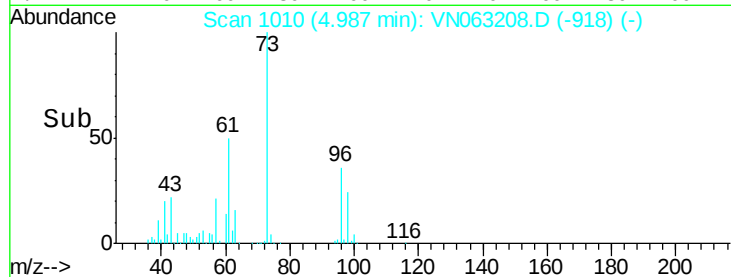
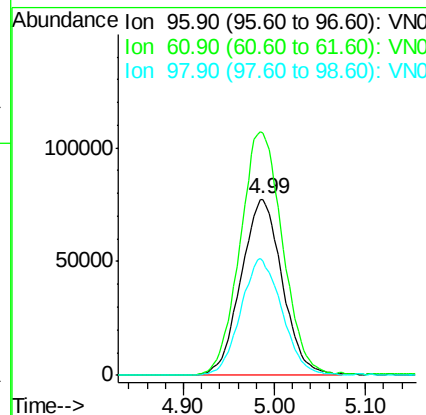
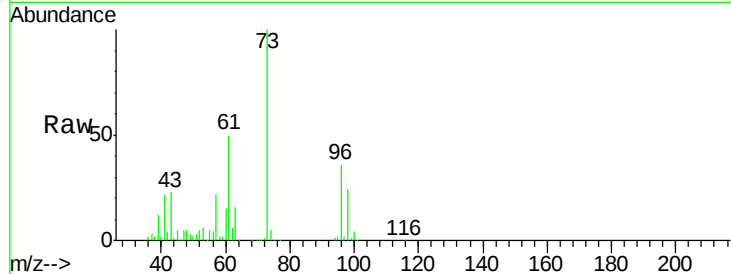
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	243623
Ion	Ratio	Lower	Upper
96	100		
61	137.0	116.2	174.4
98	64.7	48.0	72.0

Manual Integrations
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MMDadoda
9/4/2020 11:14:40 AM



#22

Diisopropyl ether

Concen: 47.239 ug/l

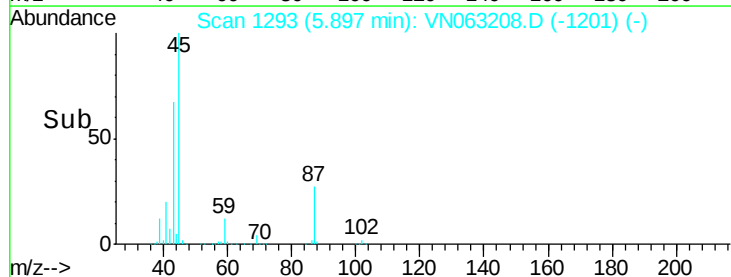
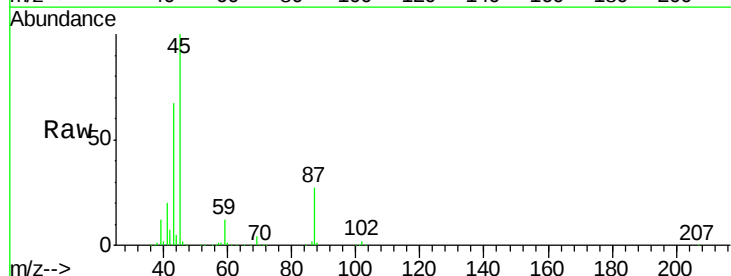
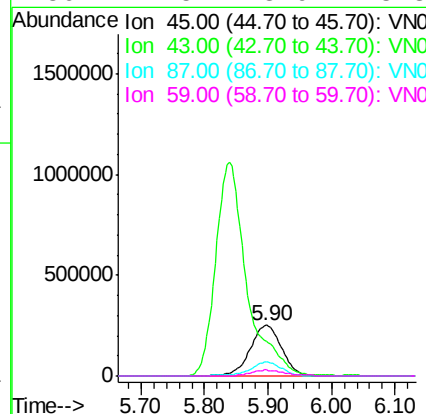
RT: 5.90 min Scan# 1293

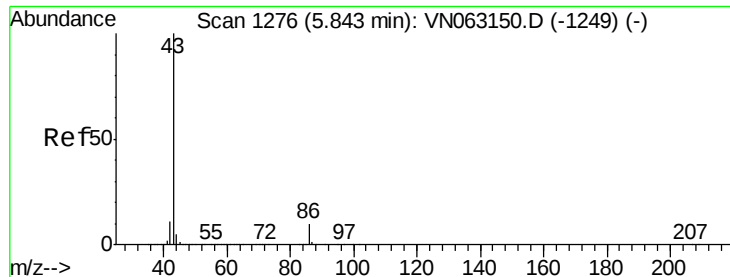
Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Tgt Ion:	45	Resp:	861628
Ion	Ratio	Lower	Upper
45	100		
43	66.0	56.8	85.2
87	27.1	21.1	31.7
59	11.5	8.9	13.3





#23

Vinyl Acetate

Concen: 247.492 ug/l

RT: 5.84 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3601918

Ion Ratio Lower Upper

43 100

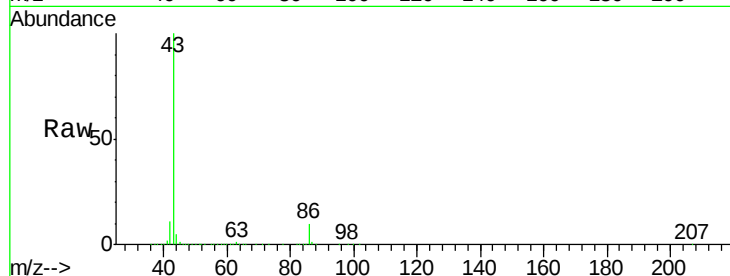
86 10.4 8.3 12.5

Manual Integrations

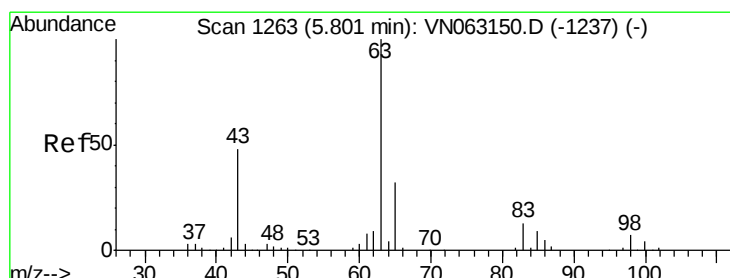
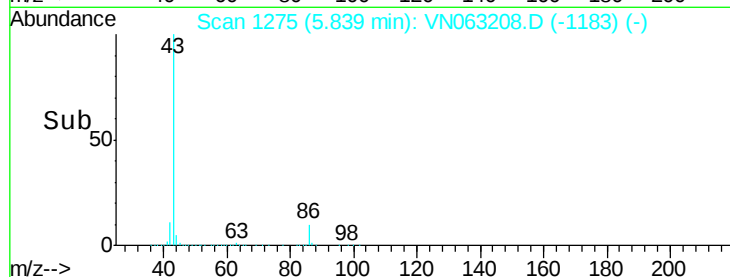
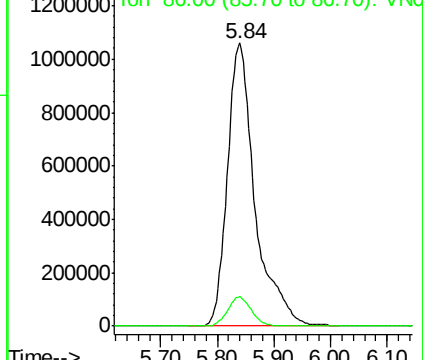
APPROVED

MMDadoda

9/4/2020 11:14:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-1249) (-)



#24

1,1-Dichloroethane

Concen: 46.971 ug/l

RT: 5.79 min Scan# 1261

Delta R.T. -0.01 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

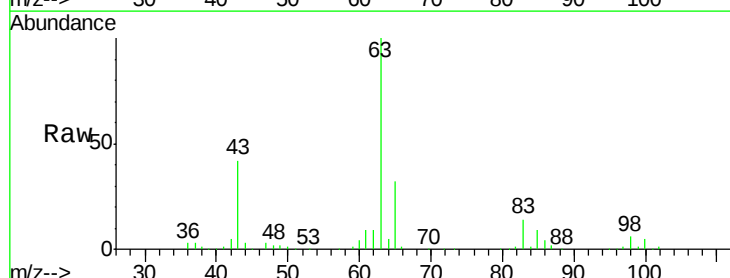
Tgt Ion: 63 Resp: 472302

Ion Ratio Lower Upper

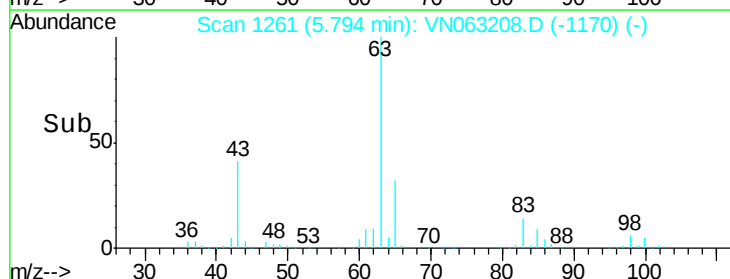
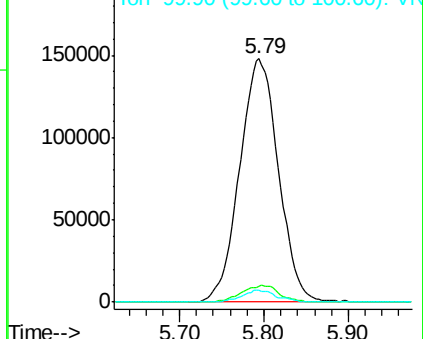
63 100

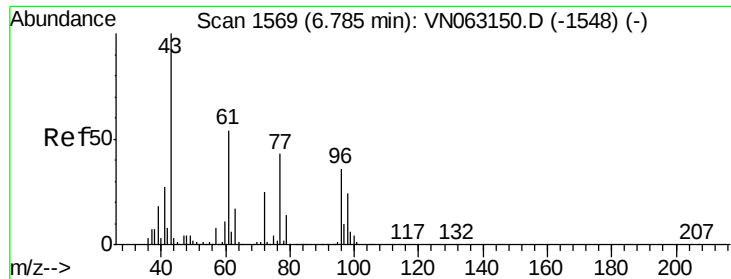
98 6.5 3.4 10.1

100 4.9 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VN063150.D (-1237) (-)





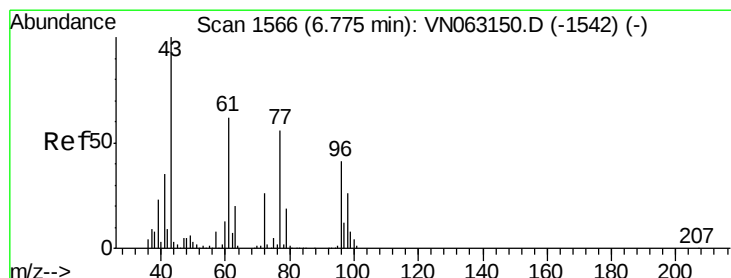
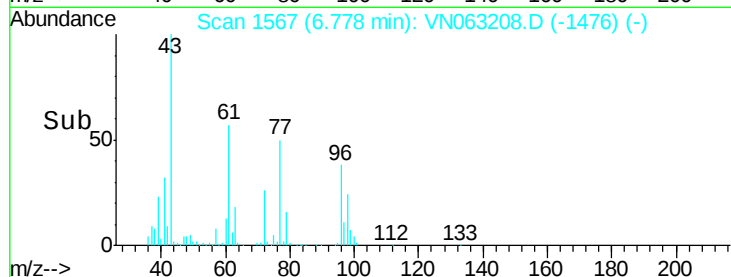
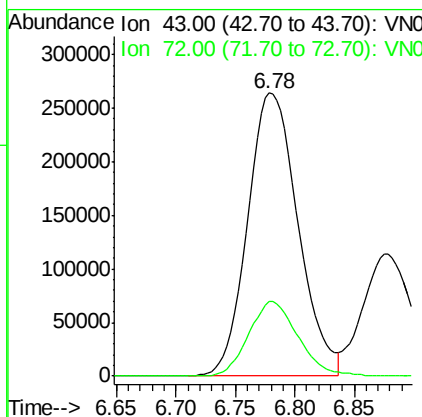
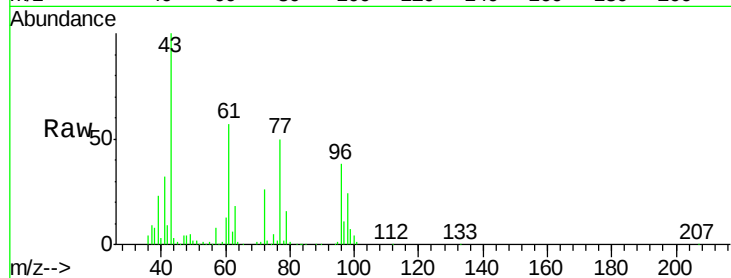
#25
2-Butanone
Concen: 256.802 ug/l
RT: 6.78 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 771848
Ion Ratio Lower Upper
43 100
72 26.5 20.2 30.4

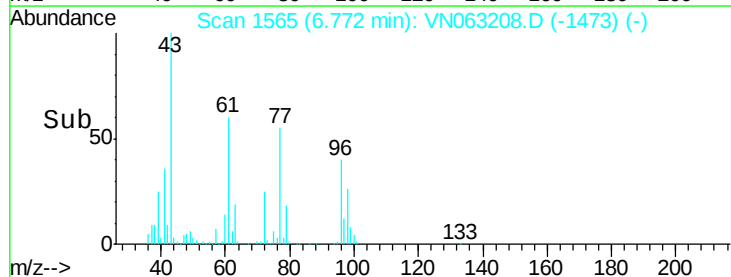
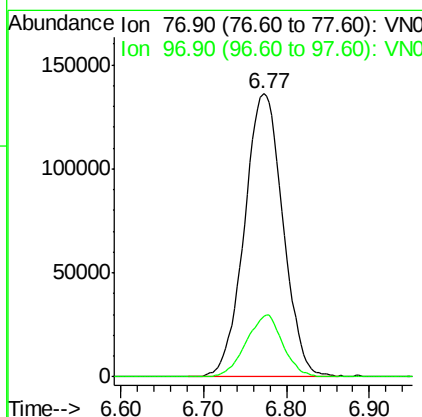
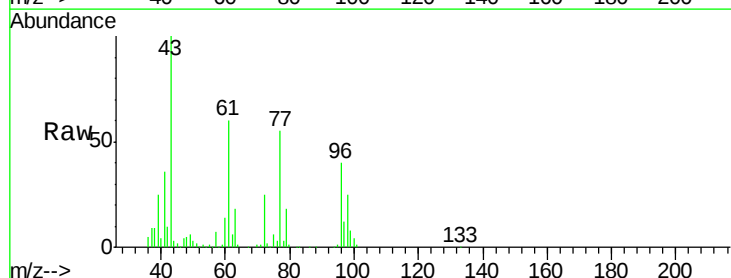
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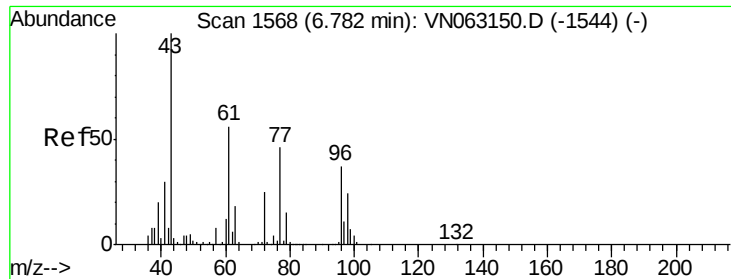
MMDadoda
9/4/2020 11:14:40 AM



#26
2,2-Dichloropropane
Concen: 48.237 ug/l
RT: 6.77 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion: 77 Resp: 439447
Ion Ratio Lower Upper
77 100
97 20.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 47.856 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

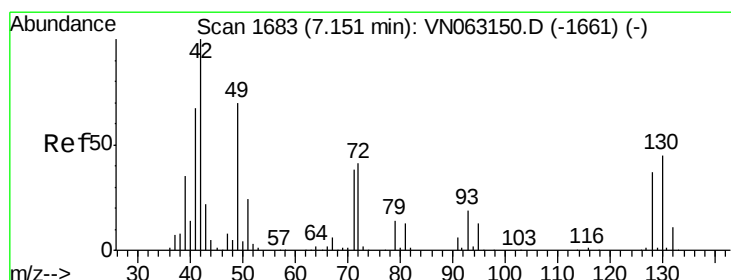
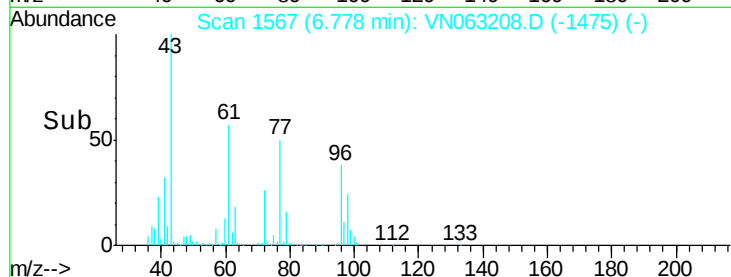
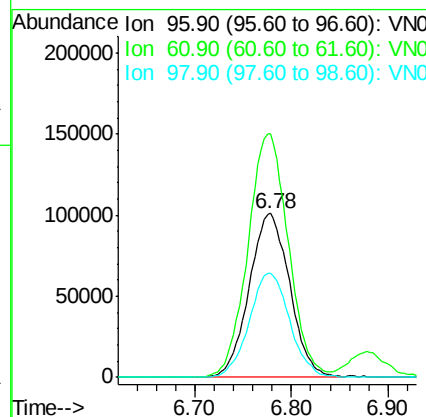
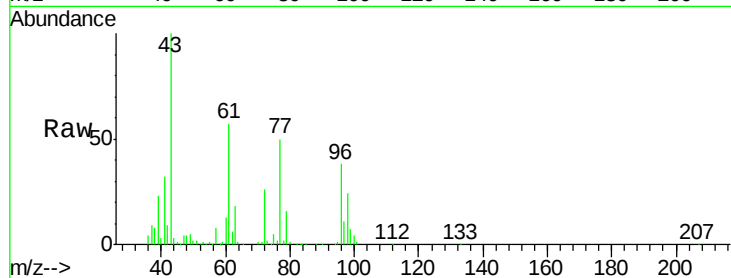
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	294522
Ion	Ratio	Lower	Upper
96	100		
61	147.9	0.0	303.2
98	63.4	0.0	129.0

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9/4/2020 11:14:40 AM



#28

Bromochloromethane

Concen: 45.260 ug/l

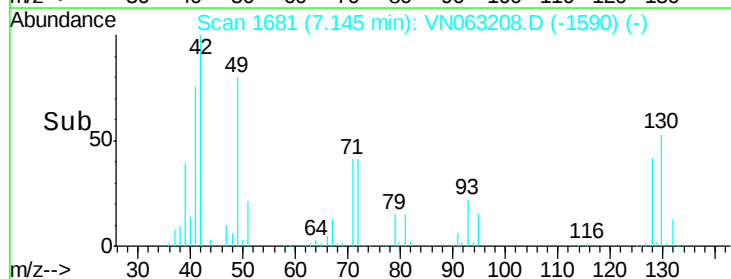
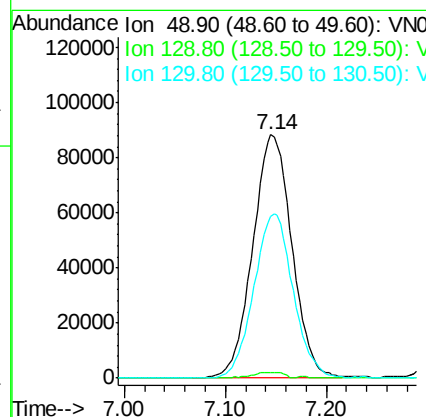
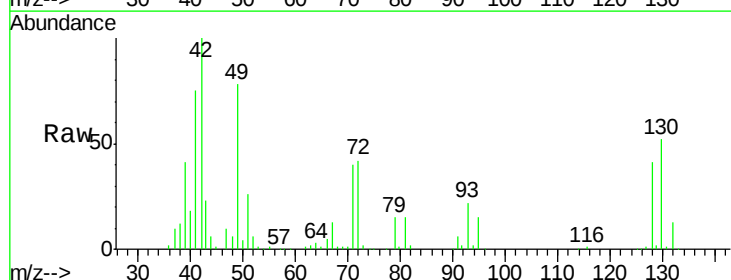
RT: 7.14 min Scan# 1681

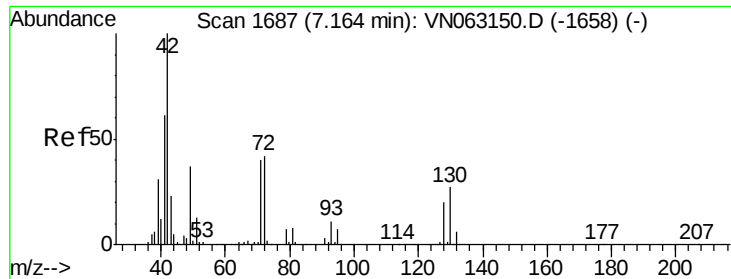
Delta R.T. -0.01 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Tgt Ion:	49	Resp:	237765
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.0
130	67.6	54.4	81.6





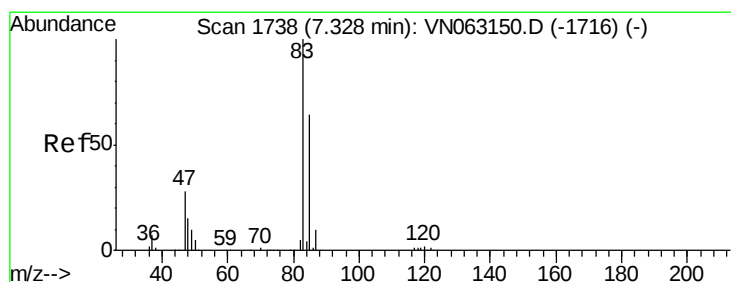
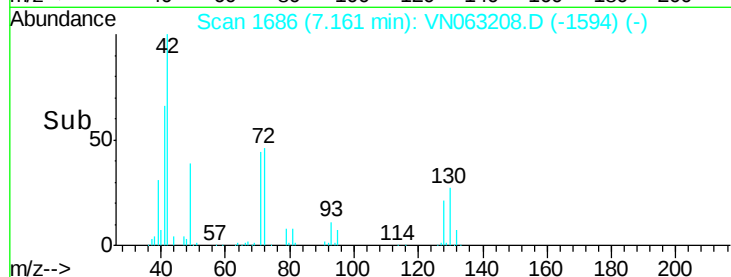
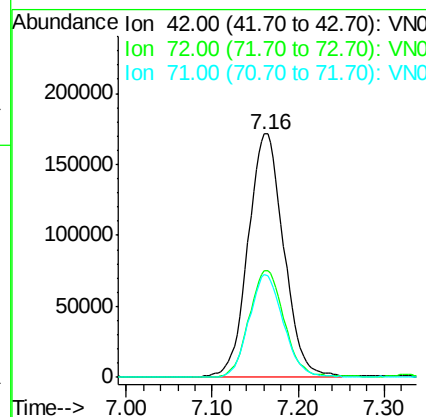
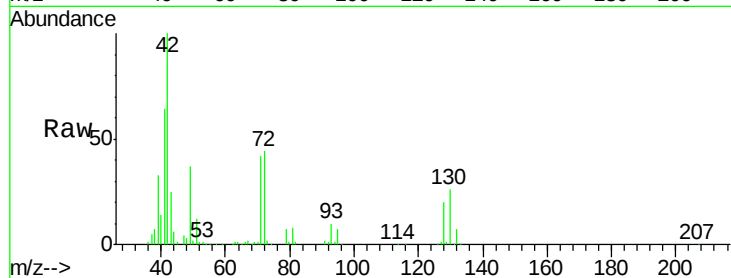
#29
Tetrahydrofuran
Concen: 236.776 ug/l
RT: 7.16 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	33.9	50.9
71	41.0	31.9	47.9

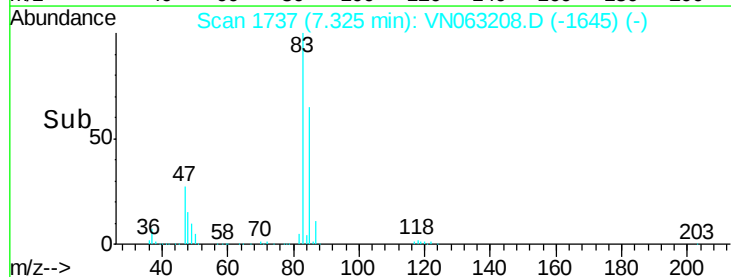
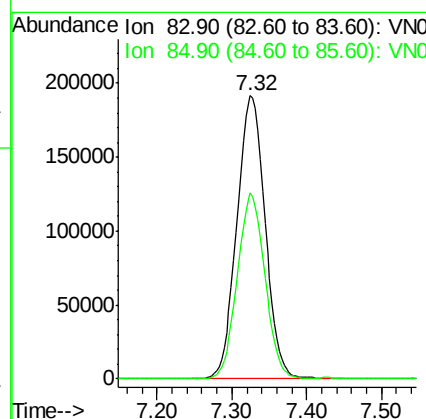
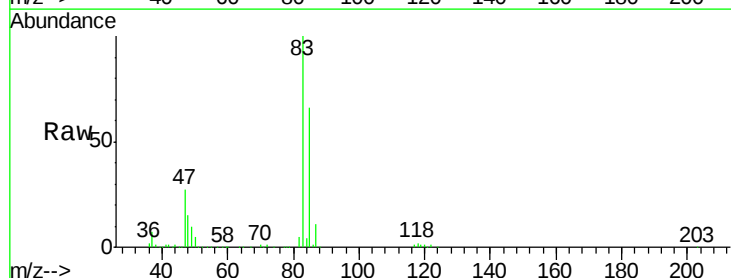
Manual Integrations
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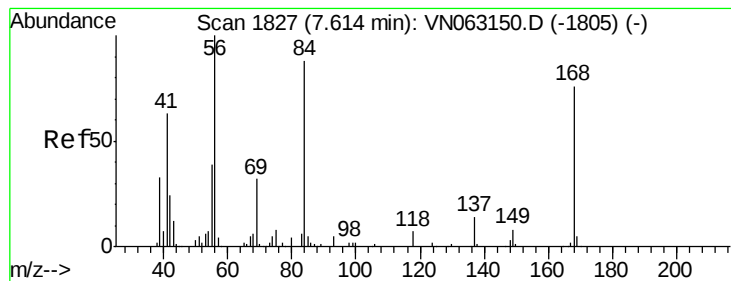
MMDadoda
9/4/2020 11:14:40 AM



#30
Chloroform
Concen: 47.952 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.0	76.6





#31

Cvclohexane

Concen: 45.876 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 407788

Ion Ratio Lower Upper

56 100

69 32.8 25.4 38.0

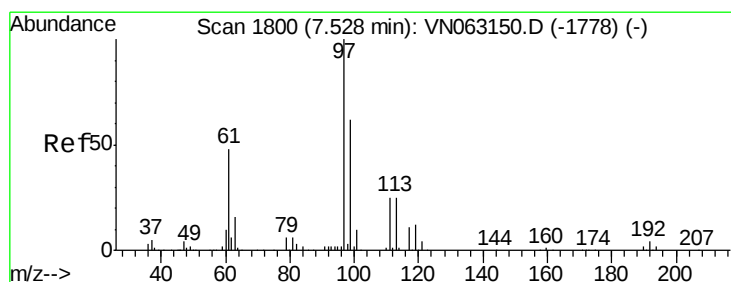
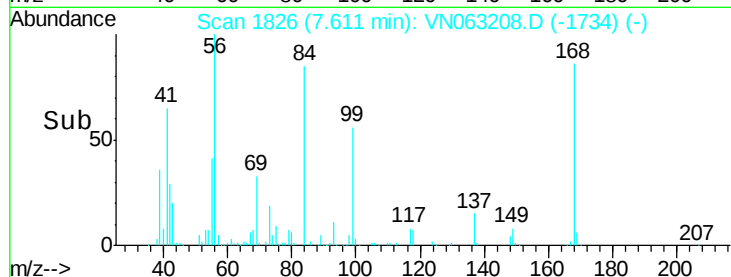
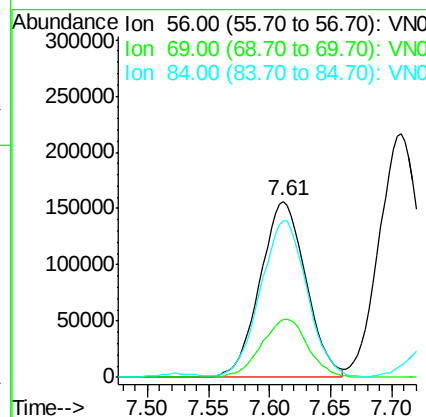
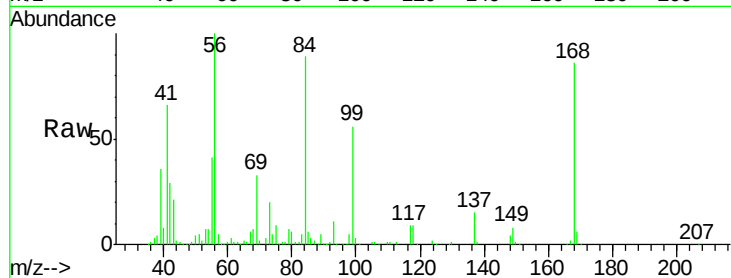
84 87.5 70.2 105.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 49.154 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

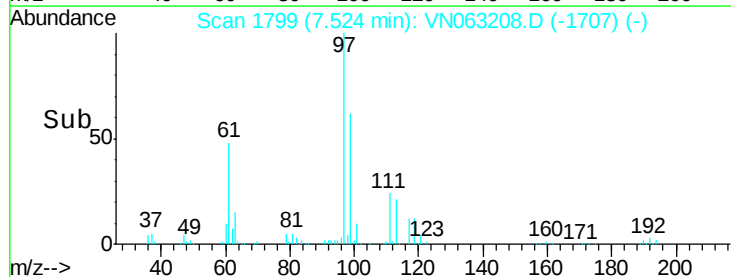
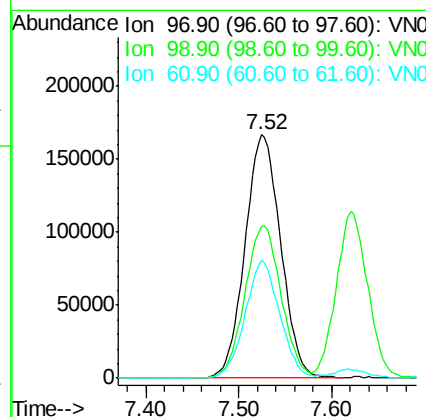
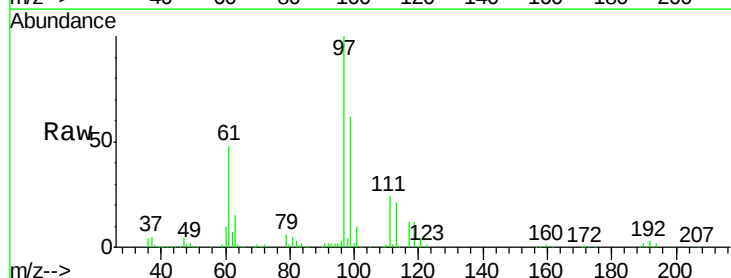
Tgt Ion: 97 Resp: 445587

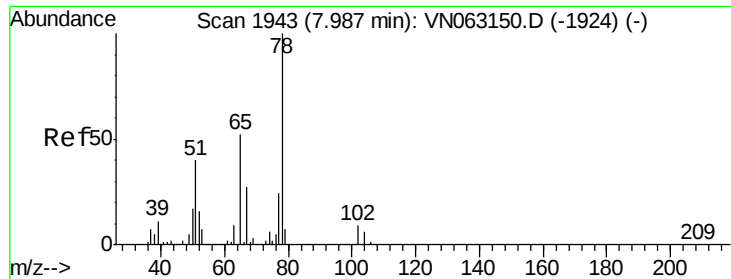
Ion Ratio Lower Upper

97 100

99 63.5 50.8 76.2

61 46.8 37.4 56.2





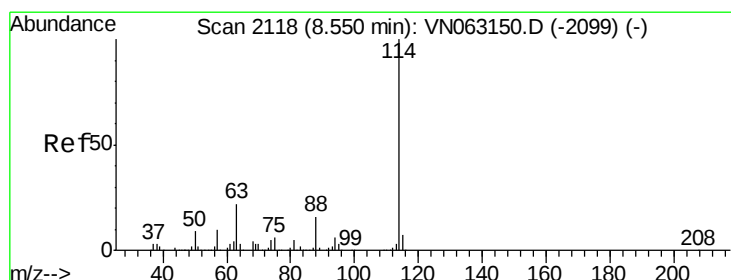
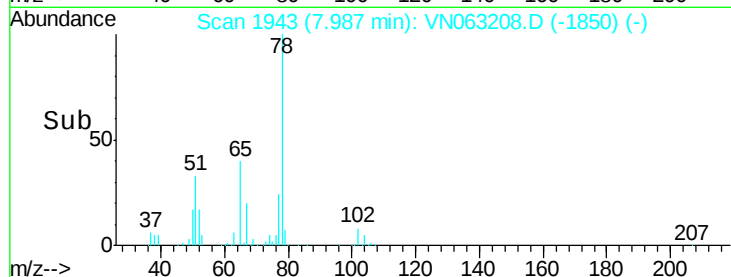
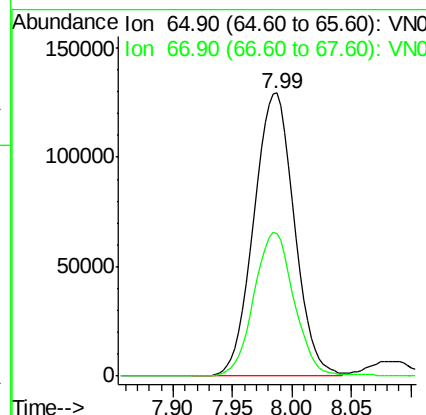
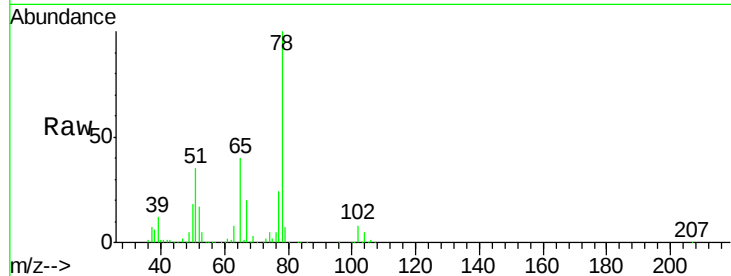
#33
 1,2-Dichloroethane-d4
 Concen: 44.708 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	305284		
67	50.1	0.0	104.4	

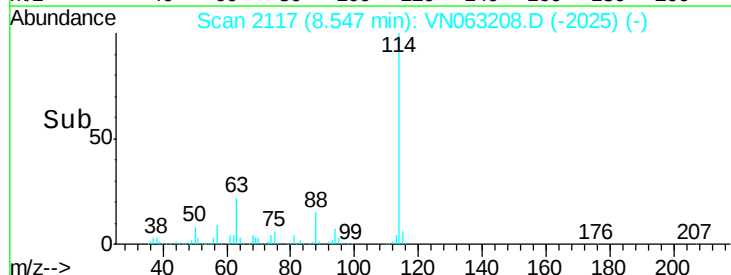
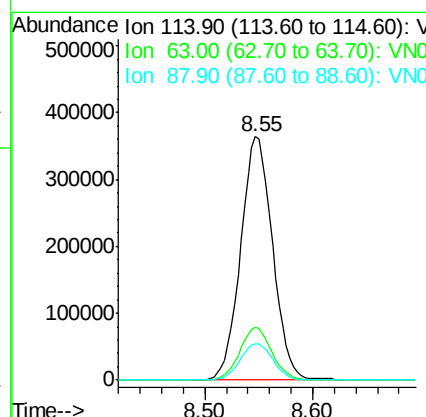
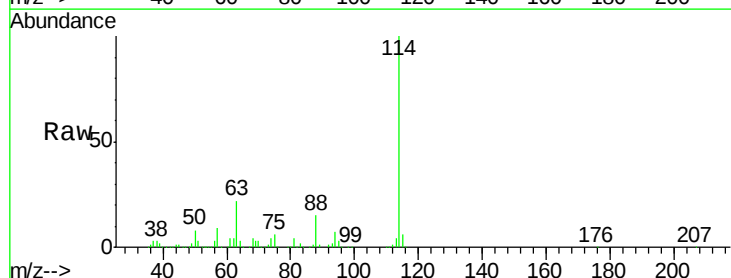
Manual Integrations
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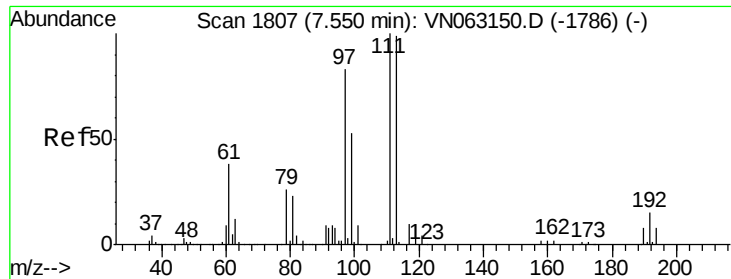
MMDadoda
 9/4/2020 11:14:40 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	750618		
63	21.5	0.0	43.0	
88	14.8	0.0	31.6	





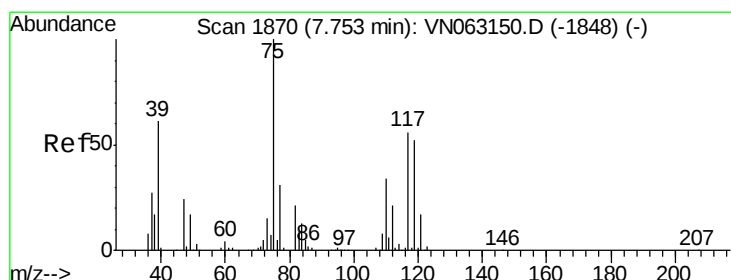
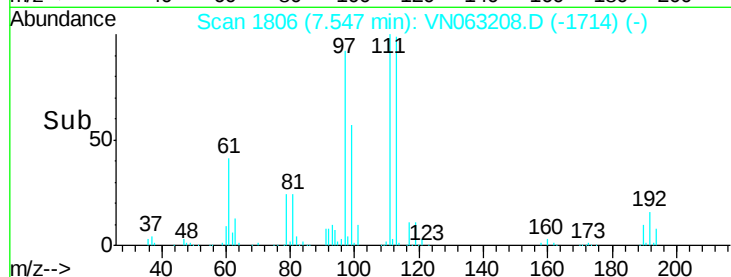
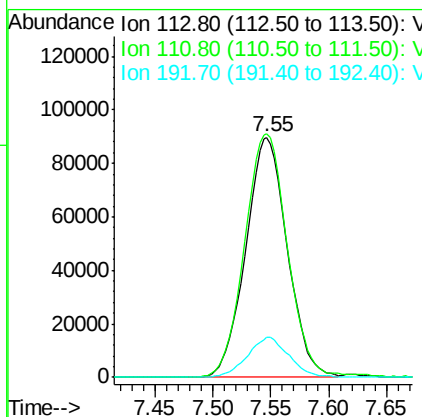
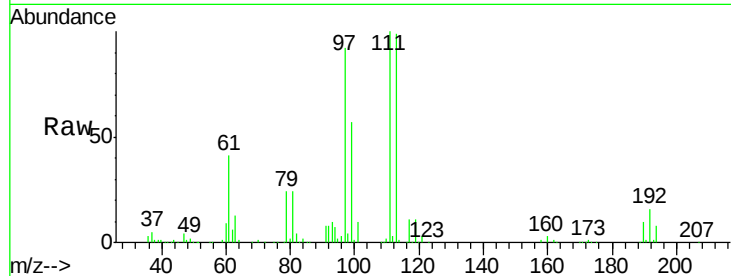
#35
 Dibromofluoromethane
 Concen: 46.332 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	223118		
111	104.3	80.7	121.1	
192	16.6	12.6	19.0	

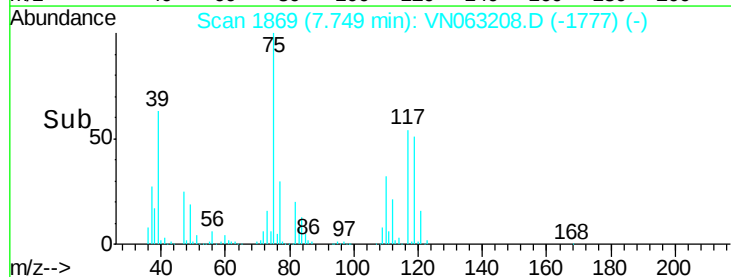
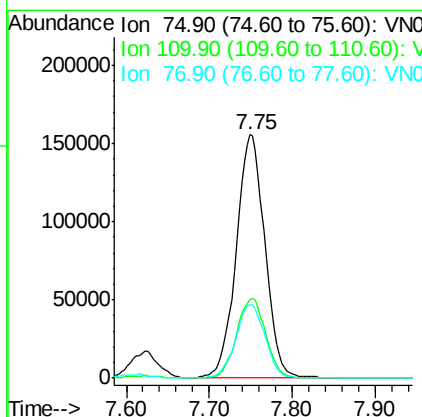
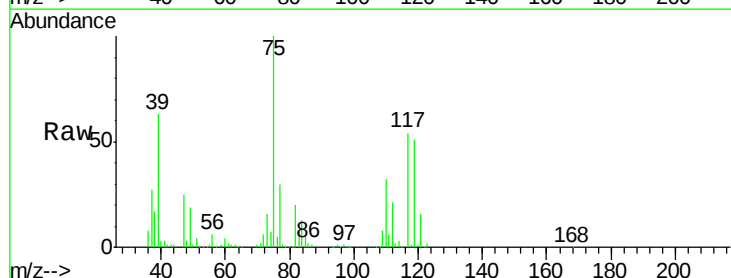
Manual Integrations
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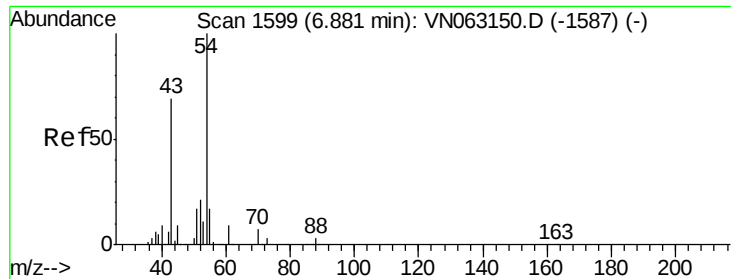
MMDadoda
 9/4/2020 11:14:40 AM



#36
 1,1-Dichloropropene
 Concen: 51.456 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	371307		
110	33.6	16.6	49.8	
77	31.5	25.4	38.2	





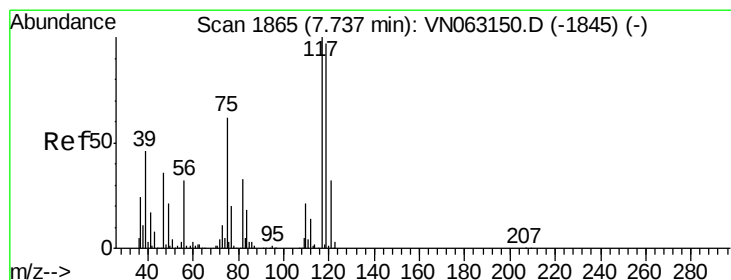
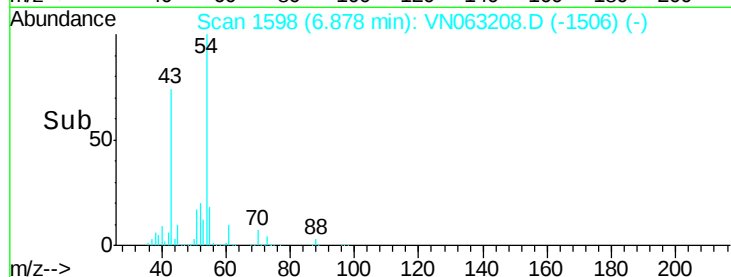
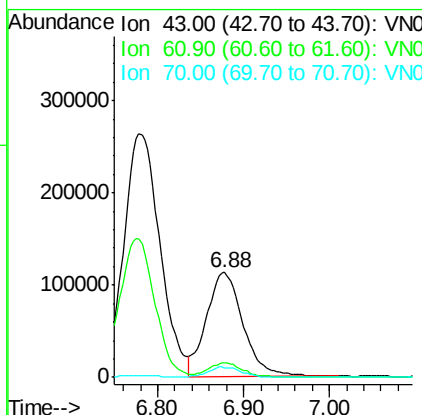
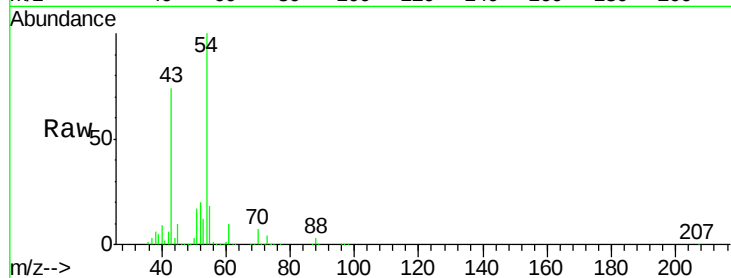
#37
Ethyl Acetate
Concen: 49.031 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.4
70	8.8	3.0	4.6

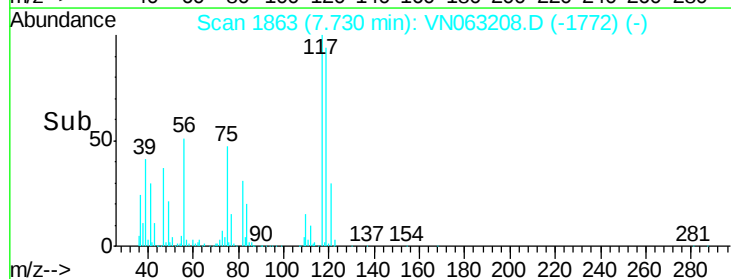
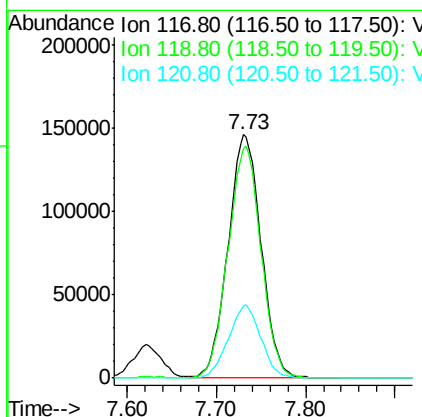
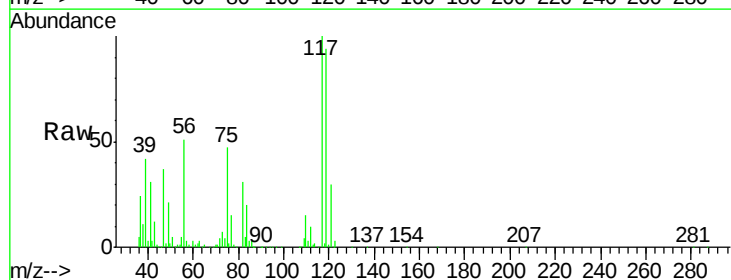
Manual Integrations
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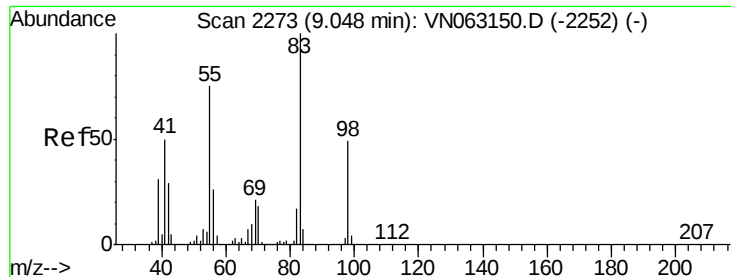
MMDadoda
9/4/2020 11:14:40 AM



#38
Carbon Tetrachloride
Concen: 51.062 ug/l
RT: 7.73 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.2	115.8
121	29.7	25.6	38.4





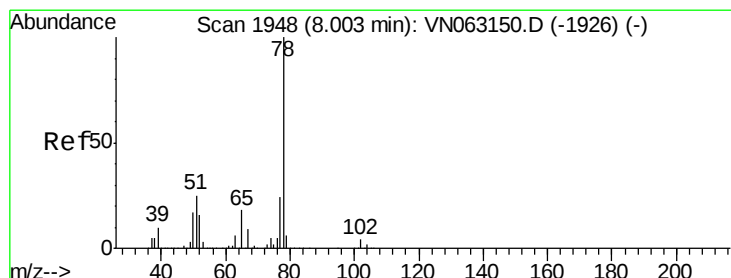
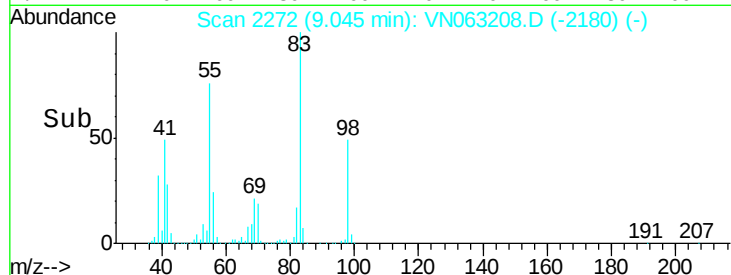
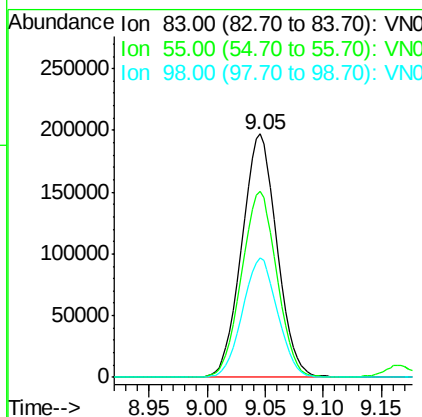
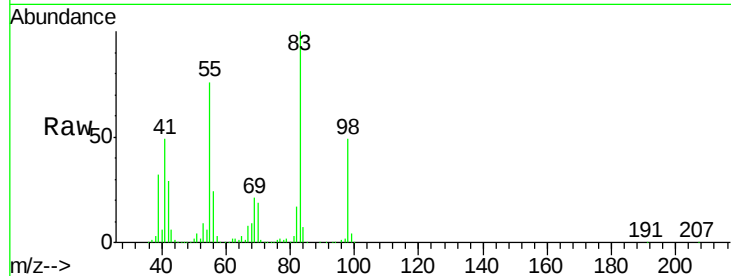
#39
Methvlcvclohexane
Concen: 51.249 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	60.3	90.5
98	49.0	38.9	58.3

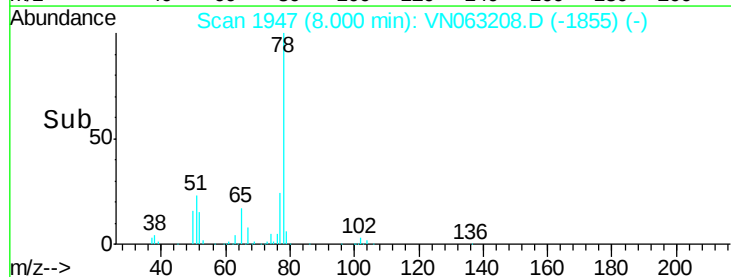
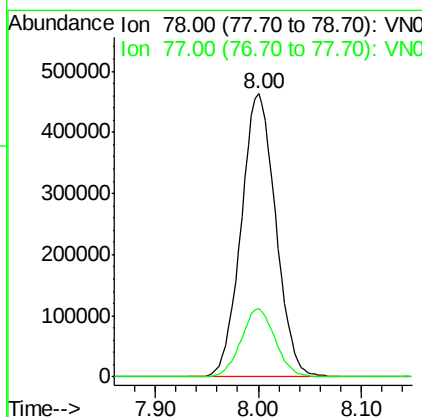
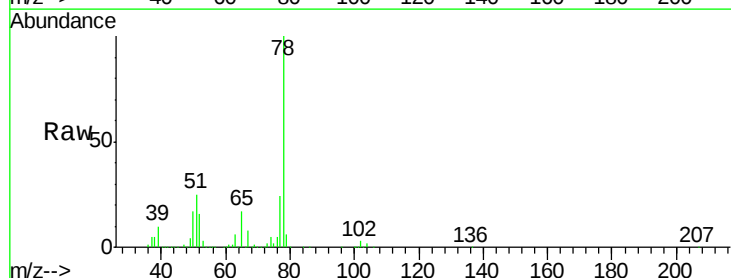
Manual Integrations
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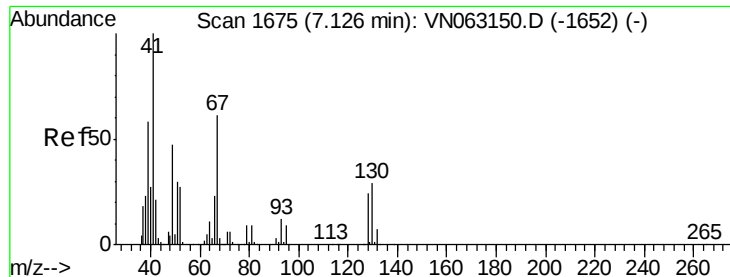
MMDadoda
9/4/2020 11:14:40 AM



#40
Benzene
Concen: 50.880 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.3	28.9





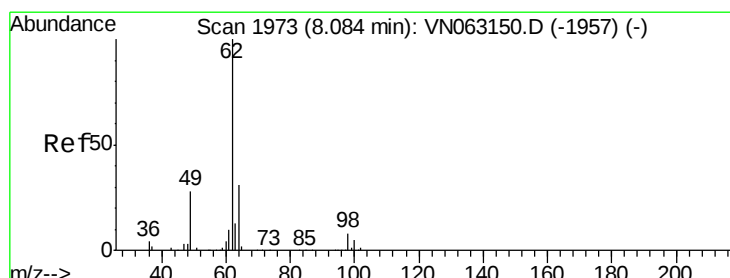
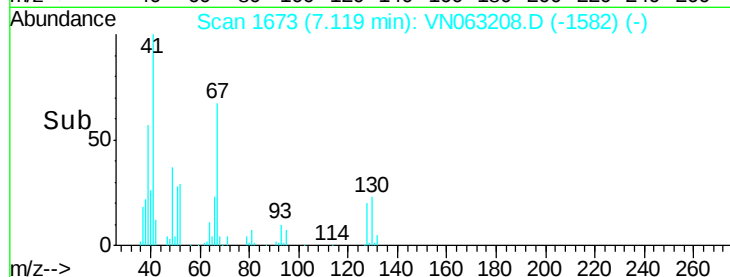
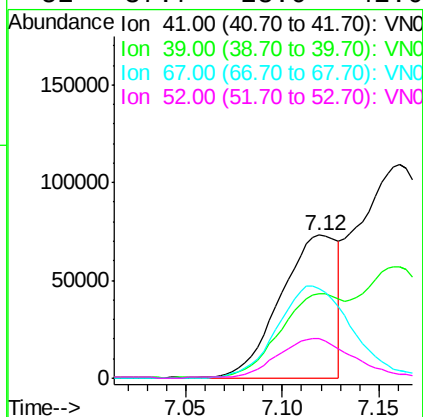
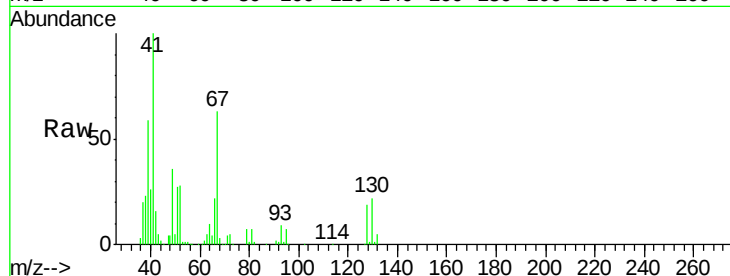
#41
Methacrylonitrile
Concen: 49.164 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	149457
Ion Ratio	Lower	Upper	
41	100		
39	63.5	46.6	70.0
67	85.7	62.6	94.0
52	37.7	28.0	42.0

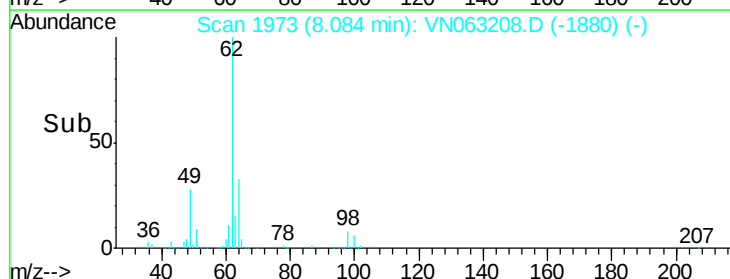
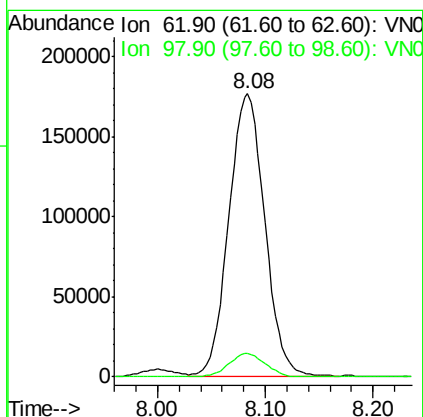
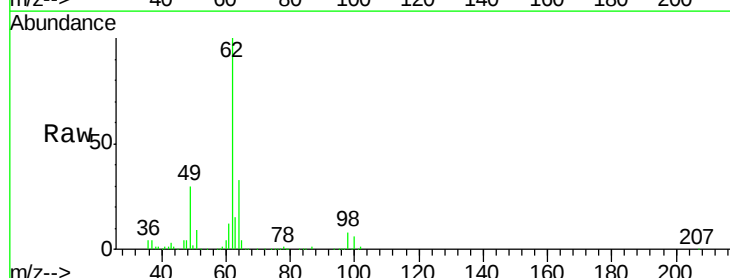
Manual Integrations
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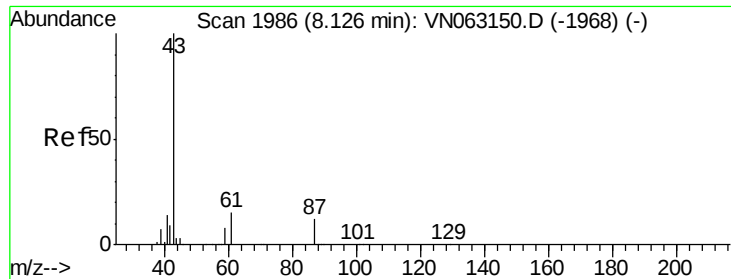
MMDadoda
9/4/2020 11:14:40 AM



#42
1,2-Dichloroethane
Concen: 51.641 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion	62	Resp	409056
Ion Ratio	Lower	Upper	
62	100		
98	8.4	0.0	17.2





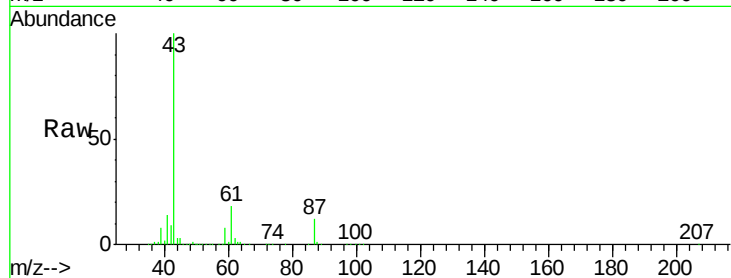
#43
Isopropyl Acetate
Concen: 51.103 ug/l
RT: 8.12 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

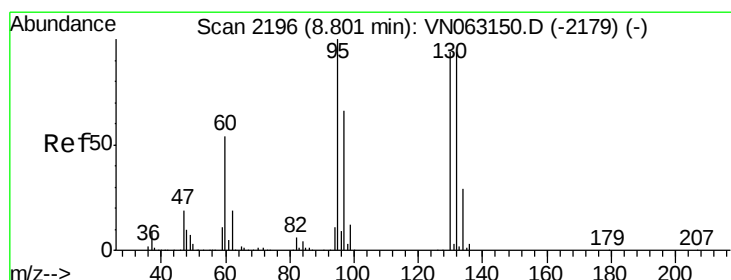
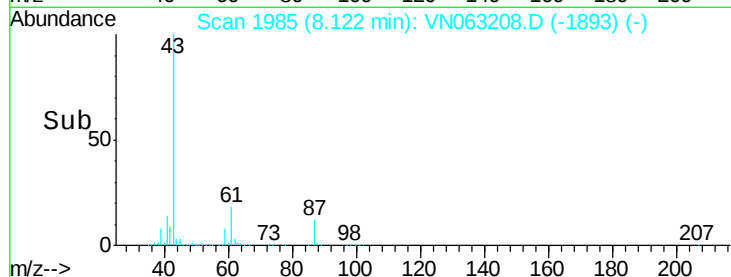
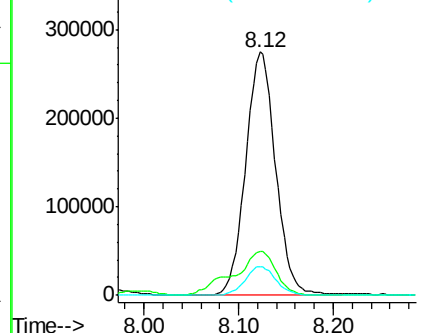
Tot Ion	Ratio	Lower	Upper
43	100		
61	25.6	20.2	30.4
87	12.2	9.8	14.6

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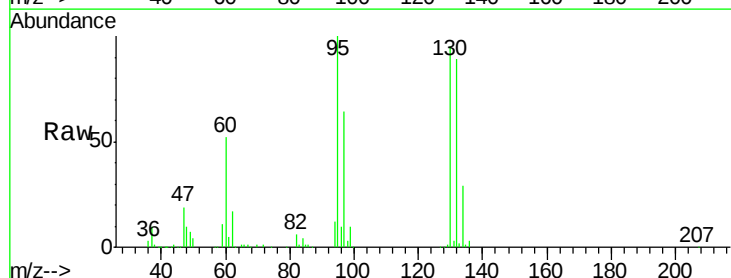


Abundance Ion 43.00 (42.70 to 43.70): VN063150.D (-1968) (-)

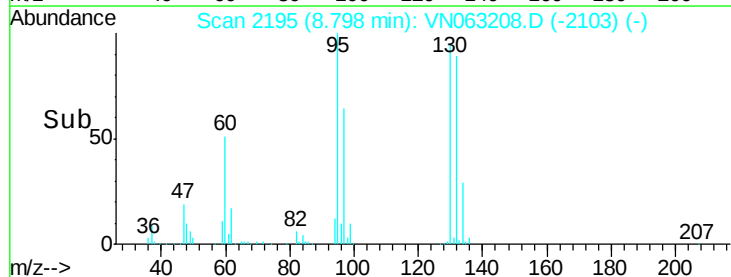
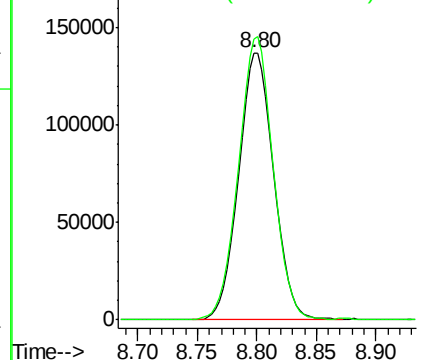


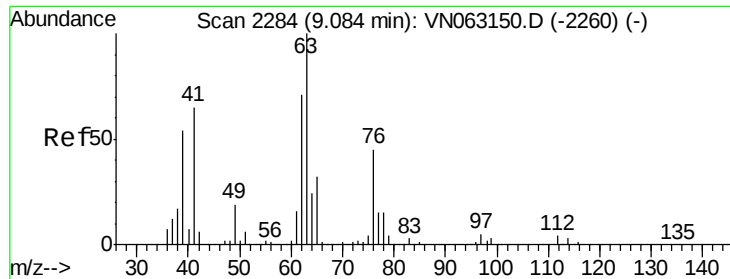
#44
Trichloroethene
Concen: 54.375 ug/l
RT: 8.80 min Scan# 2195
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.2	0.0	212.0



Abundance Ion 129.80 (129.50 to 130.50): VN063150.D (-2179) (-)





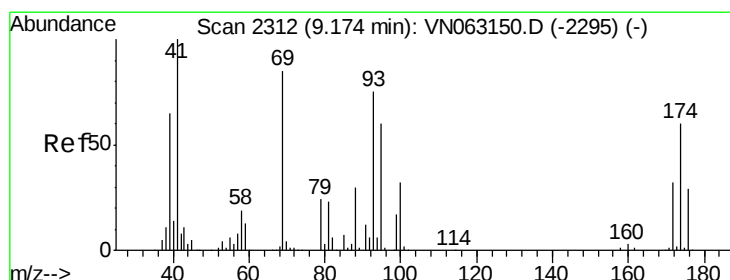
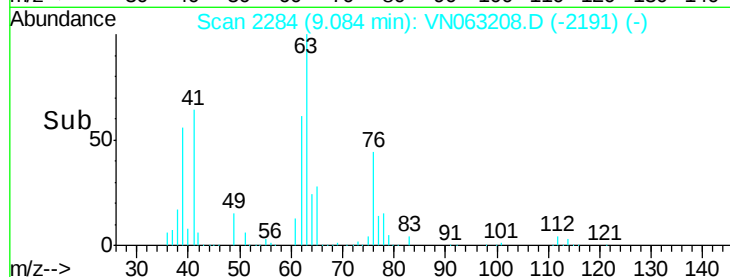
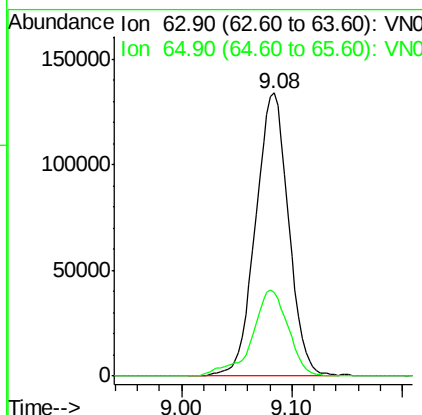
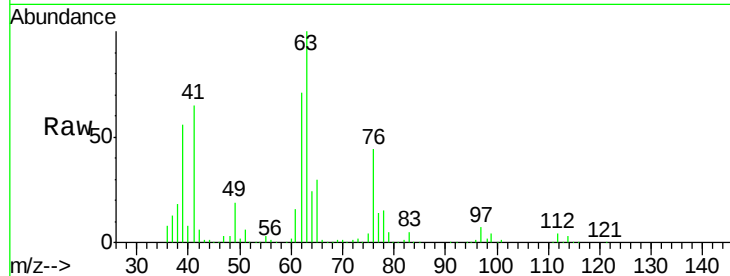
#45
 1,2-Dichloropropane
 Concen: 49.646 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 278737
 Ion Ratio Lower Upper
 63 100
 65 29.5 25.4 38.0

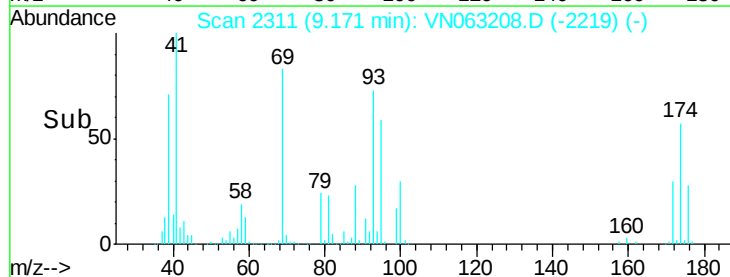
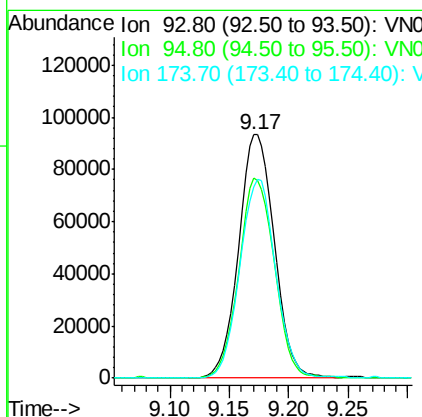
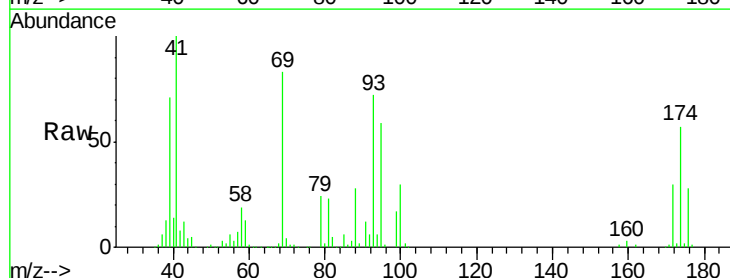
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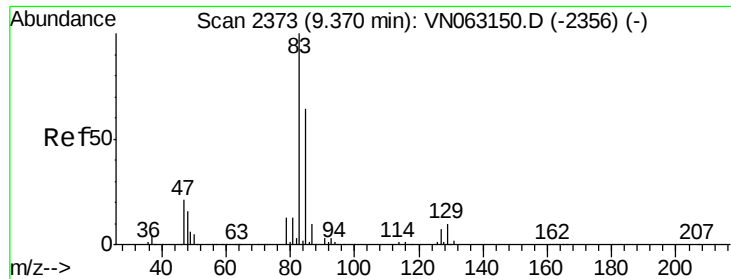
MMDadoda
 9/4/2020 11:14:40 AM



#46
 Dibromomethane
 Concen: 52.252 ug/l
 RT: 9.17 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion: 93 Resp: 194414
 Ion Ratio Lower Upper
 93 100
 95 81.9 65.2 97.8
 174 81.8 64.6 97.0





#47

Bromodichloromethane

Concen: 51.743 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

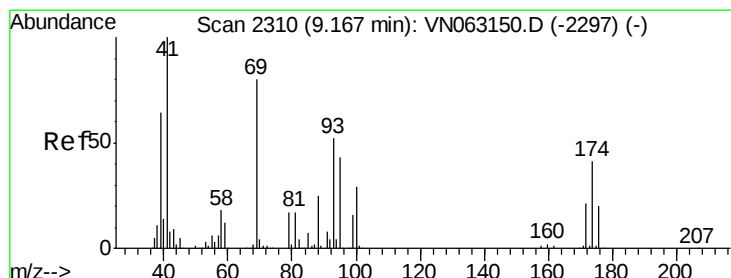
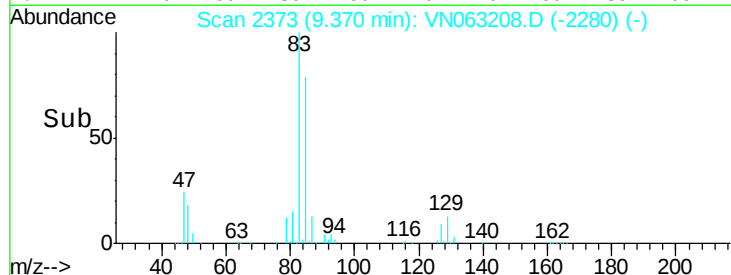
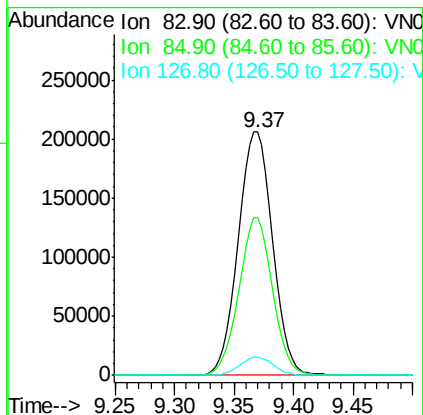
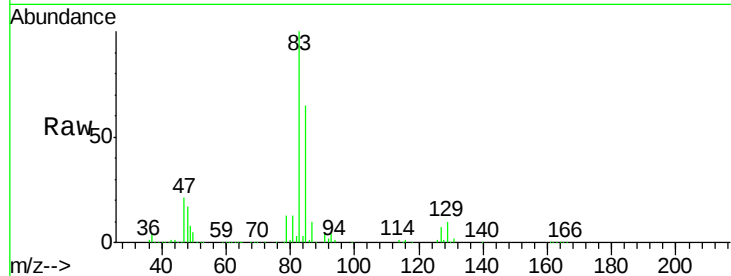
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	412657
Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.0	76.6
127	7.4	5.7	8.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.553 ug/l

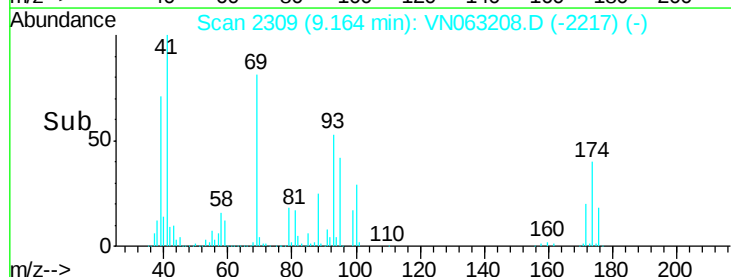
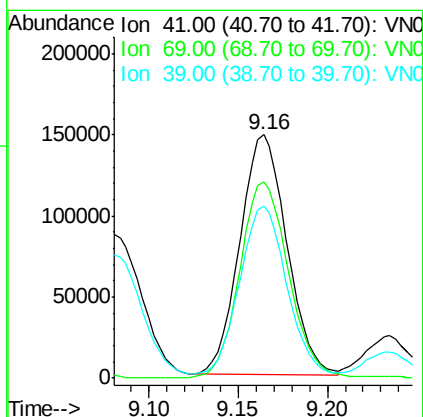
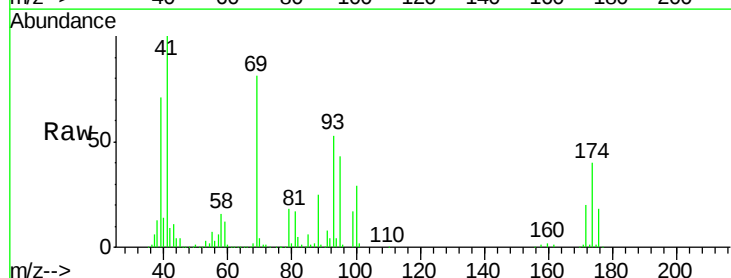
RT: 9.16 min Scan# 2309

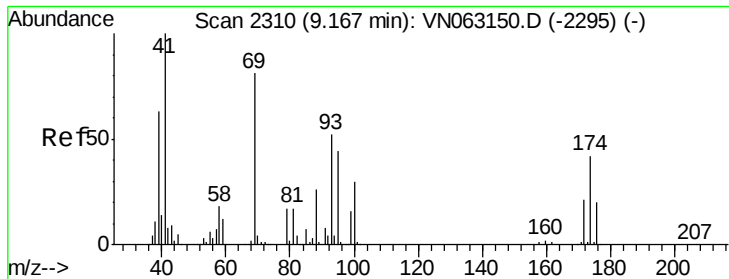
Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Tgt Ion:	41	Resp:	273500
Ion	Ratio	Lower	Upper
41	100		
69	84.6	65.9	98.9
39	72.3	52.0	78.0





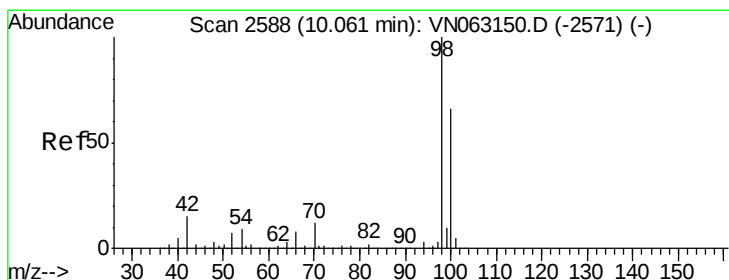
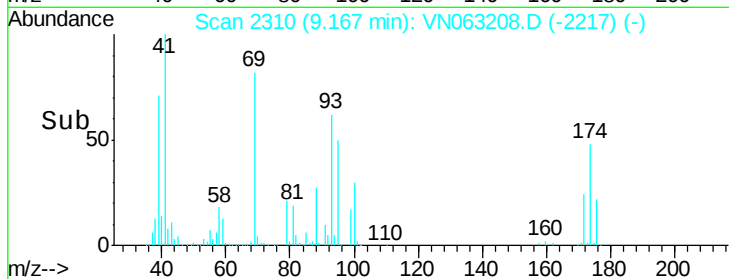
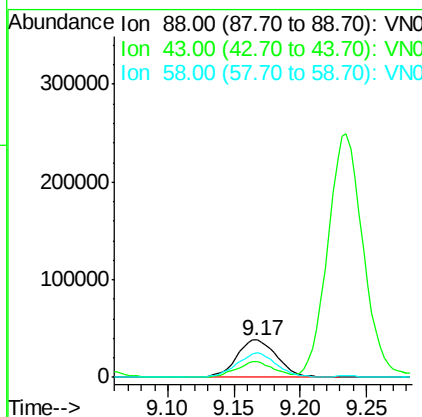
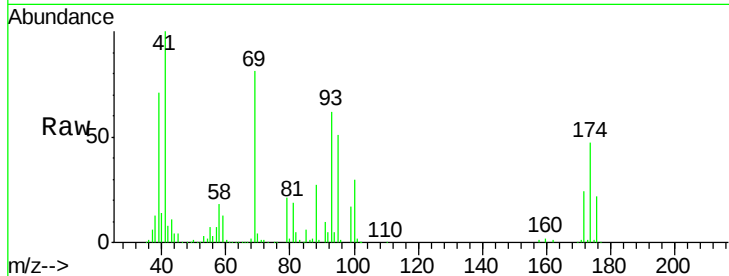
#49
1,4-Dioxane
Concen: 990.158 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.4	28.6	42.8
58	64.6	53.2	79.8

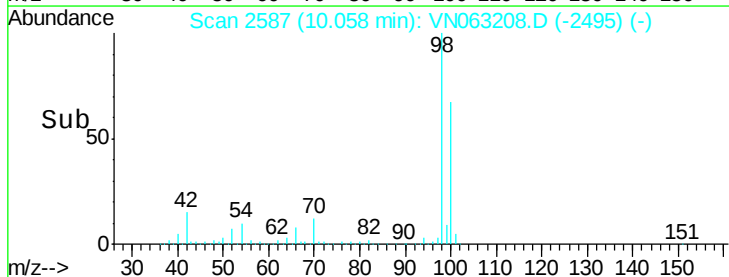
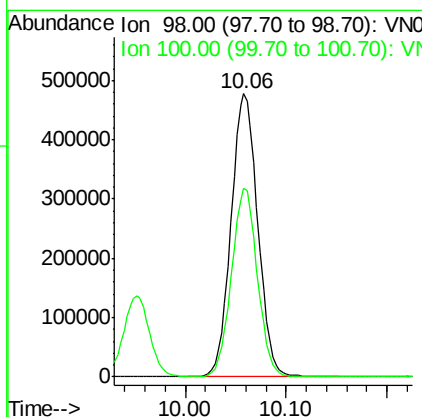
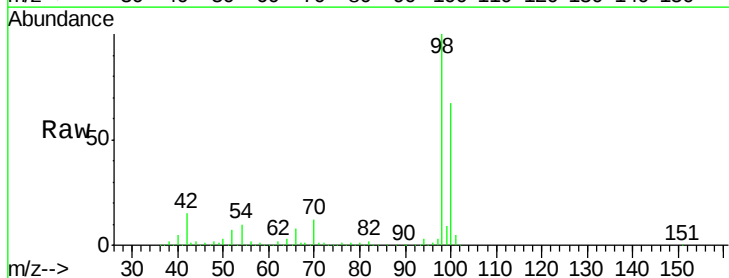
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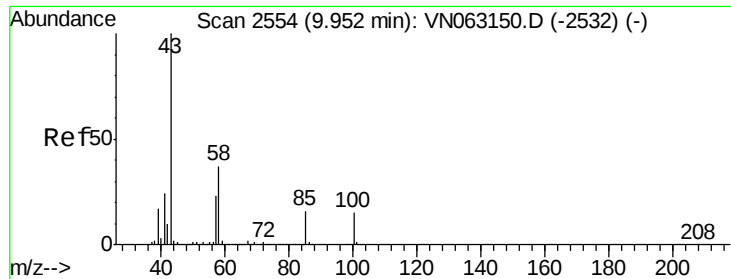
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#50
Toluene-d8
Concen: 47.410 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 267.295 ug/l

RT: 9.95 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 1709351

Ion Ratio Lower Upper

43 100

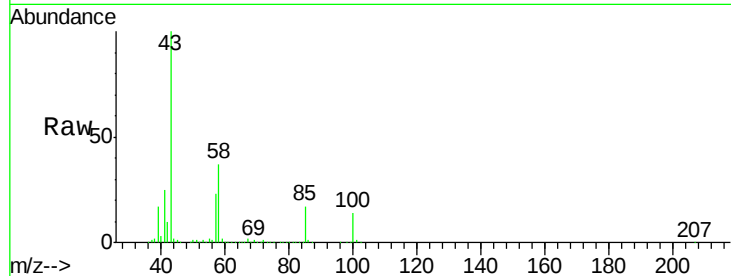
58 37.1 29.2 43.8

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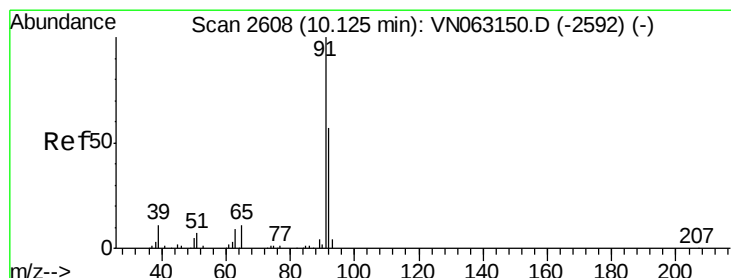
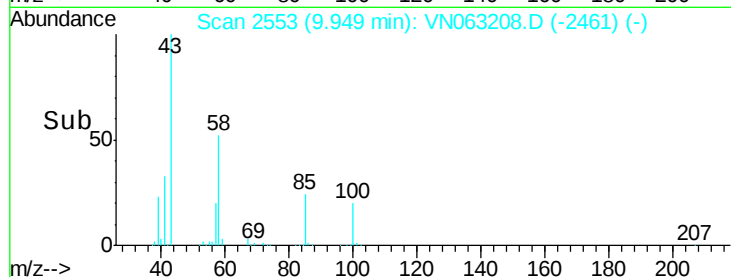
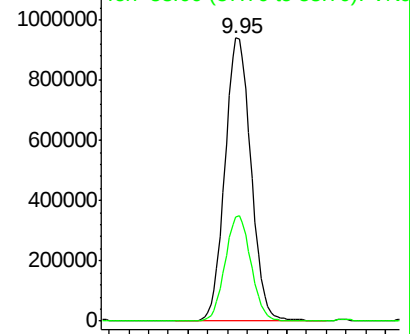
MMDadoda

9/4/2020 11:14:40 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 52.633 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063208.D

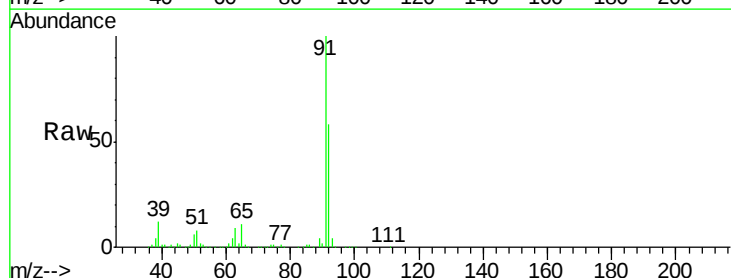
Acq: 3 Sep 2020 10:00

Tgt Ion: 92 Resp: 695256

Ion Ratio Lower Upper

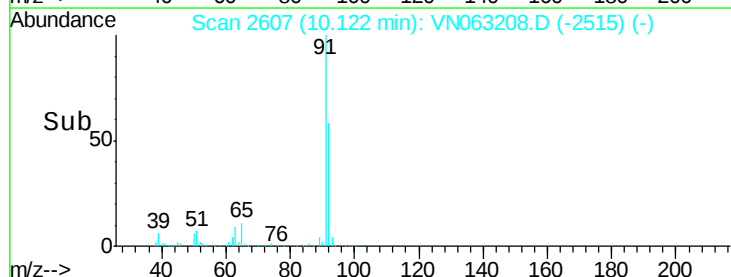
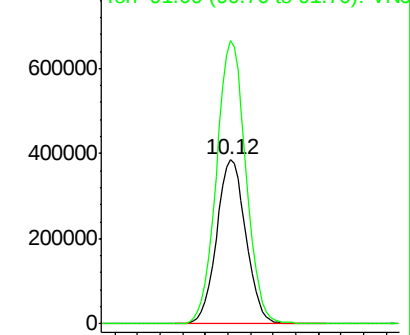
92 100

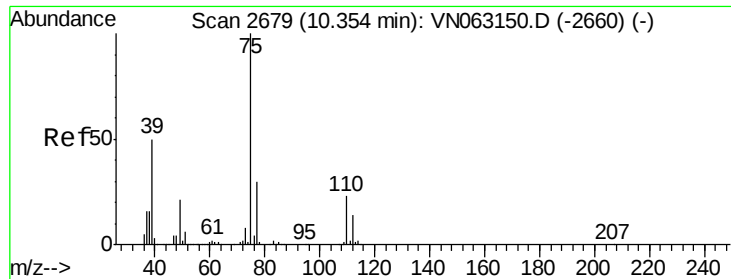
91 173.3 141.2 211.8



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





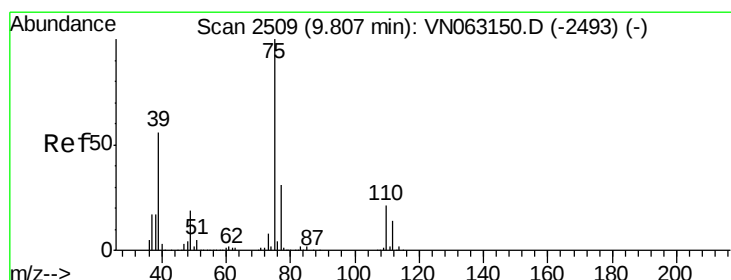
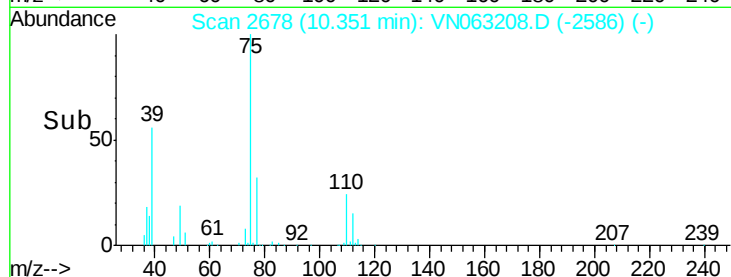
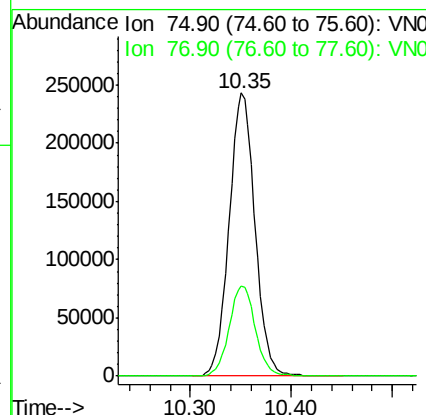
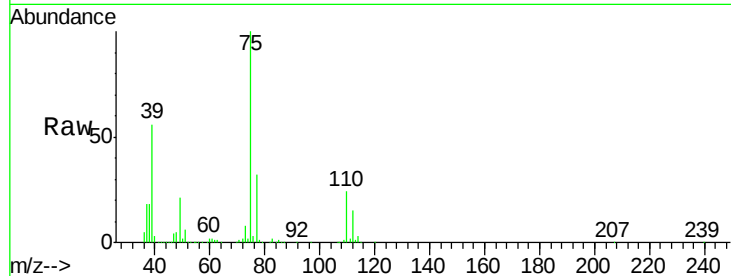
#53
t-1,3-Dichloropropene
Concen: 49.928 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 435552
Ion Ratio Lower Upper
75 100
77 31.6 24.2 36.2

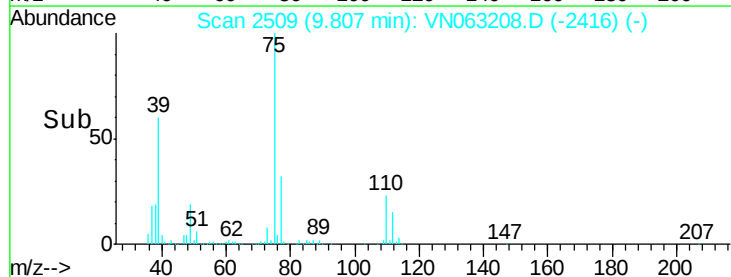
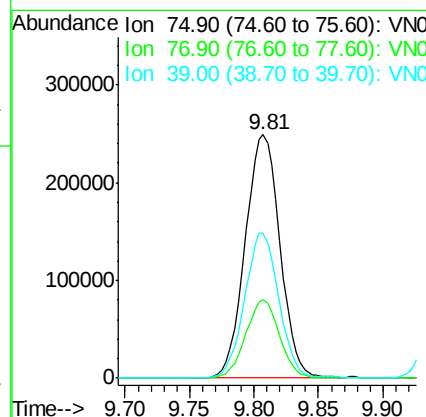
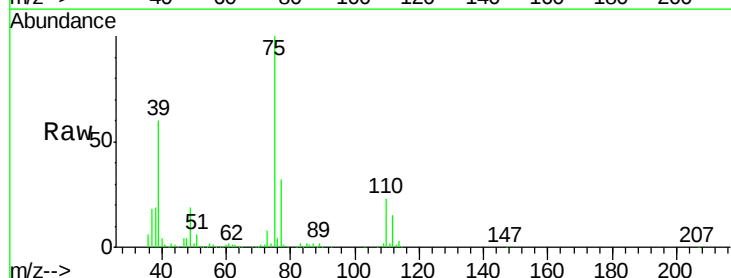
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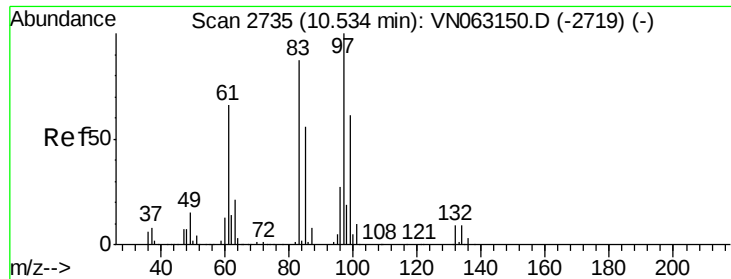
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.226 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion: 75 Resp: 469082
Ion Ratio Lower Upper
75 100
77 32.1 24.8 37.2
39 59.6 45.0 67.6





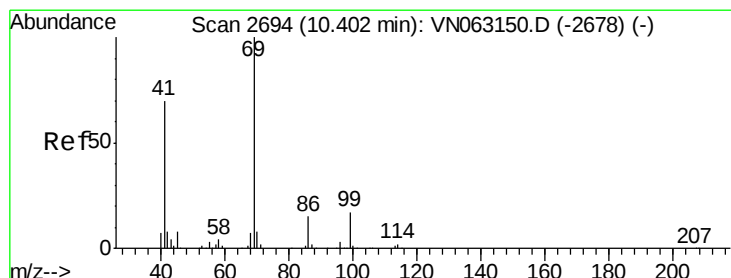
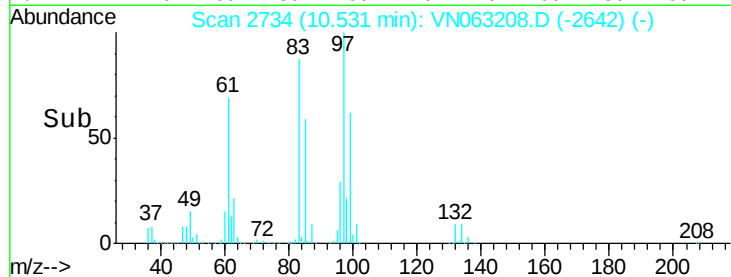
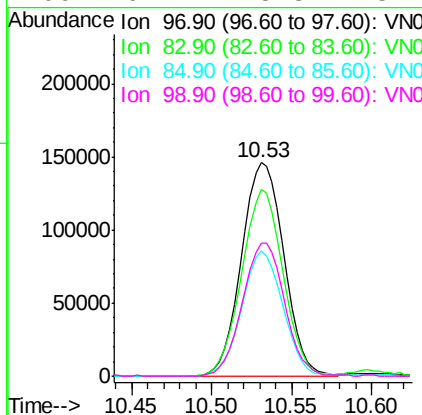
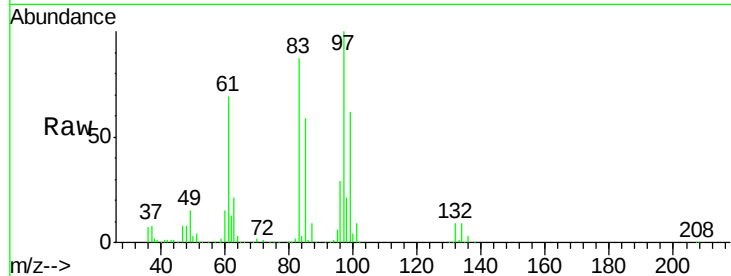
#55
 1,1,2-Trichloroethane
 Concen: 52.262 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	264388
Ion	Ratio	Lower	Upper
97	100		
83	87.5	69.8	104.8
85	58.6	44.9	67.3
99	62.2	48.8	73.2

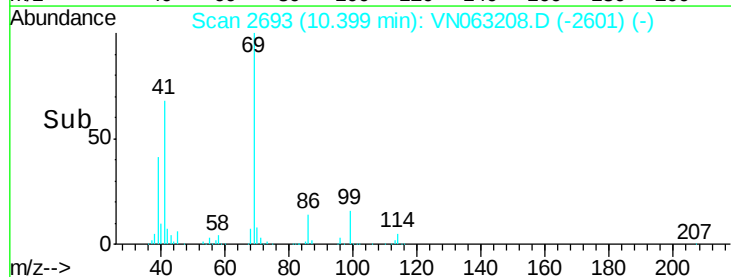
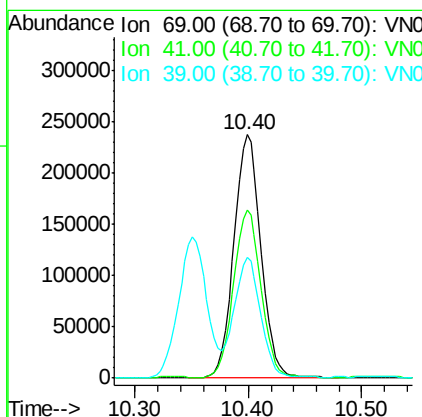
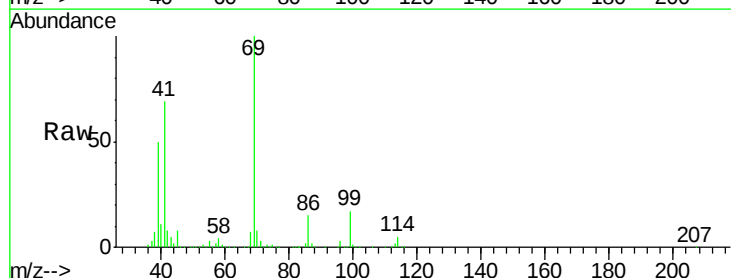
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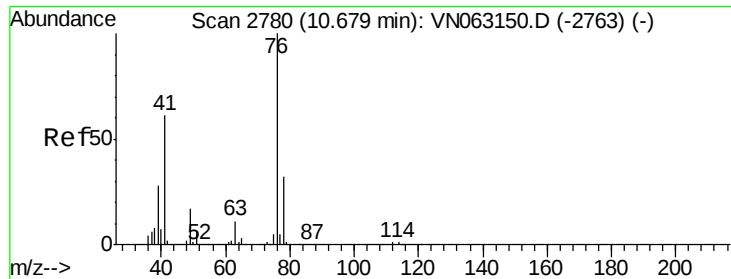
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 9/4/2020 11:14:40 AM



#56
 Ethyl methacrylate
 Concen: 51.503 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion:	69	Resp:	396515
Ion	Ratio	Lower	Upper
69	100		
41	69.6	55.5	83.3
39	47.9	38.2	57.2





#57

1,3-Dichloropropane

Concen: 51.051 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 76 Resp: 460085

Ion Ratio Lower Upper

76 100

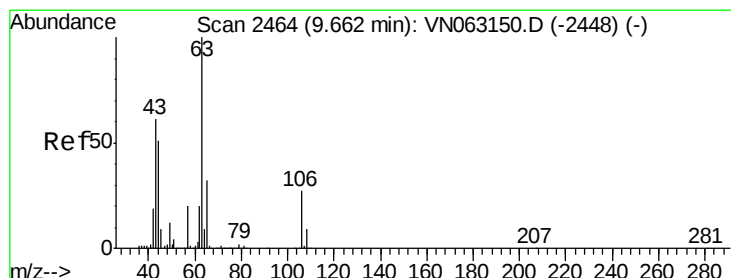
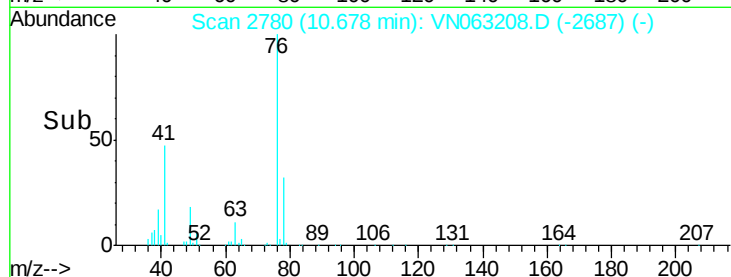
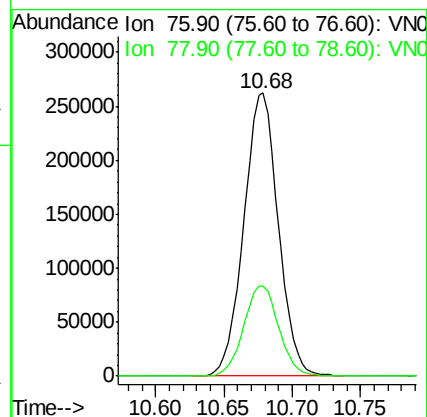
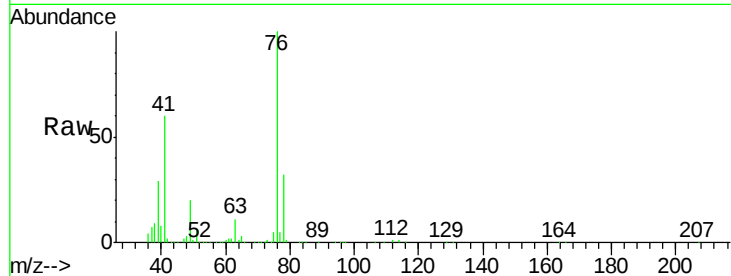
78 32.7 25.5 38.3

Manual Integrations

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9/4/2020 11:14:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 246.048 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063208.D

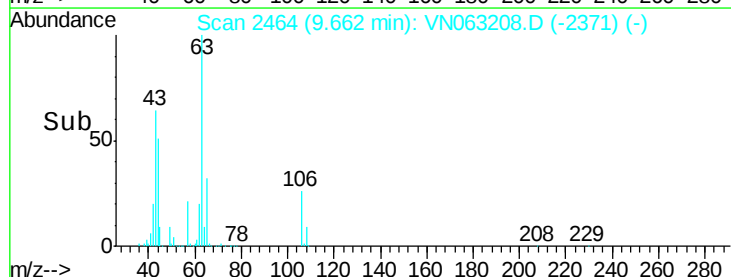
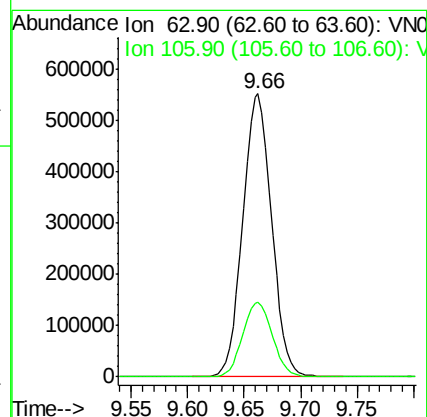
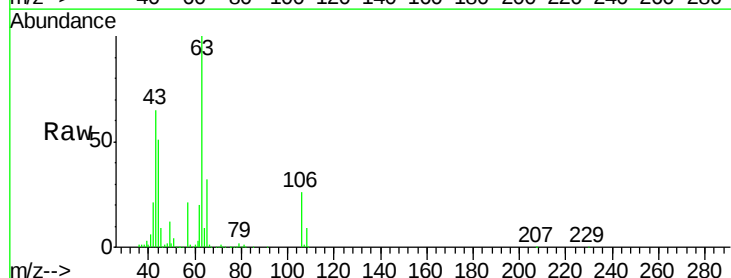
Acq: 3 Sep 2020 10:00

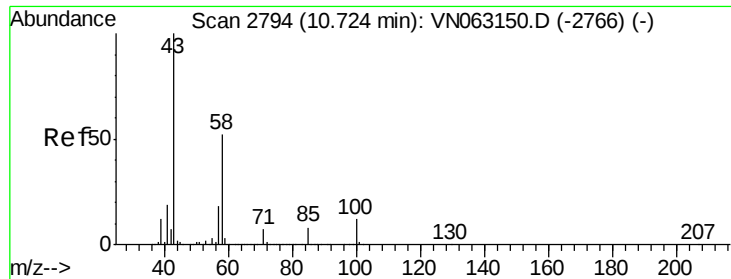
Tgt Ion: 63 Resp: 980928

Ion Ratio Lower Upper

63 100

106 27.1 21.8 32.6





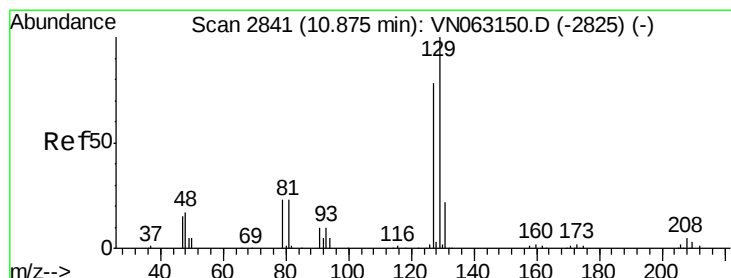
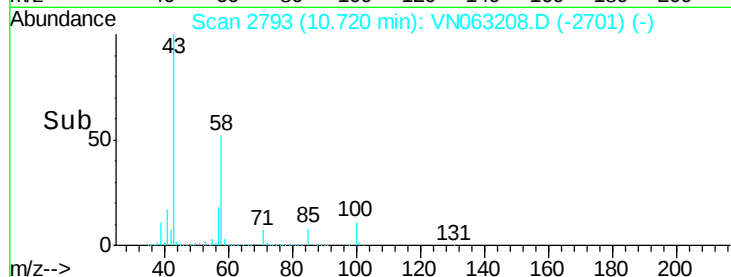
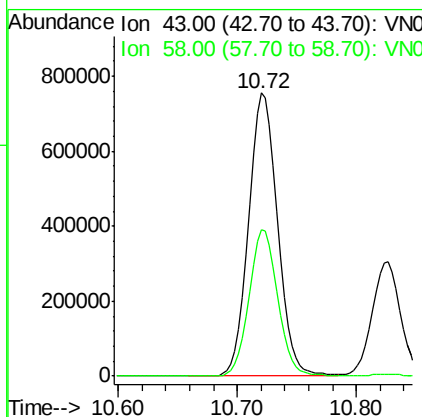
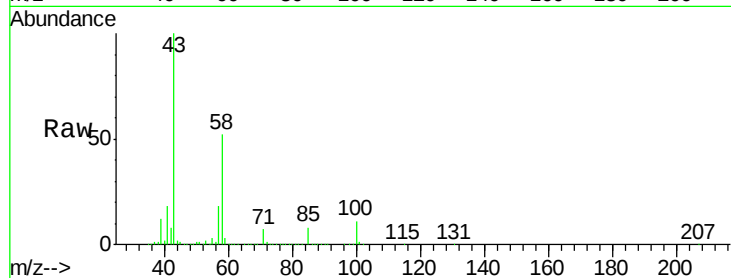
#59
2-Hexanone
Concen: 283.008 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1271926
Ion Ratio Lower Upper
43 100
58 51.3 25.9 77.8

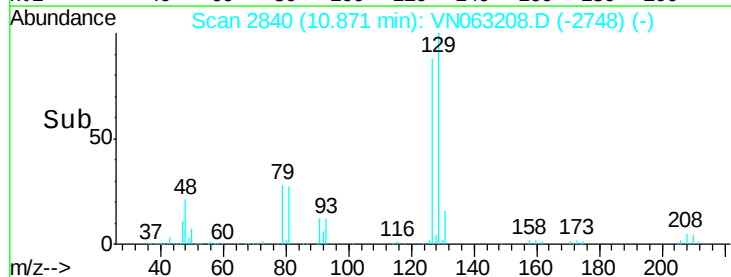
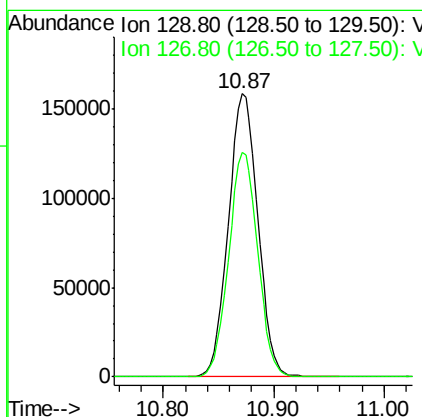
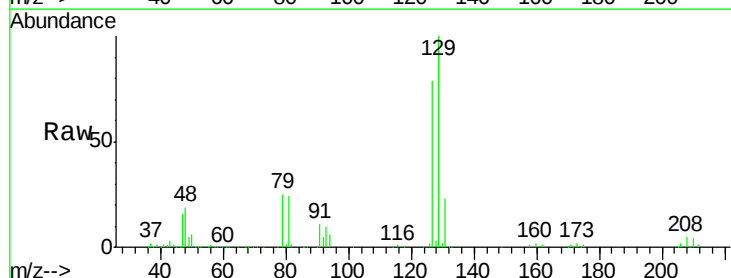
Manual Integrations
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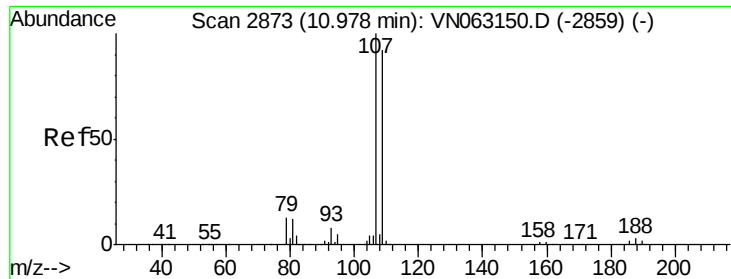
MMDadoda
9/4/2020 11:14:40 AM



#60
Dibromochloromethane
Concen: 52.501 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion: 129 Resp: 293634
Ion Ratio Lower Upper
129 100
127 78.2 39.0 117.0





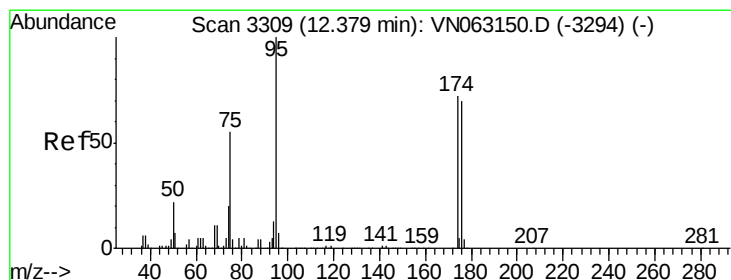
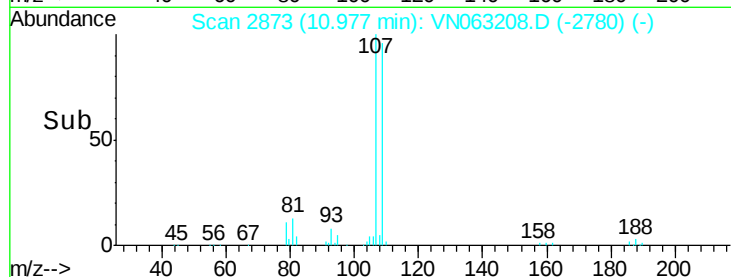
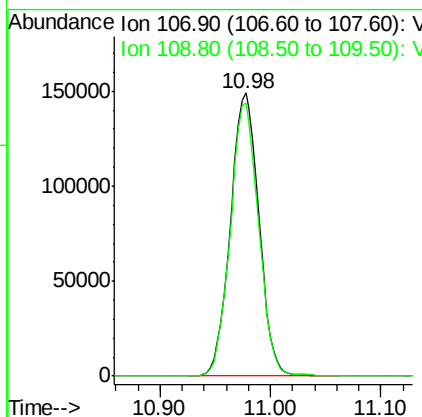
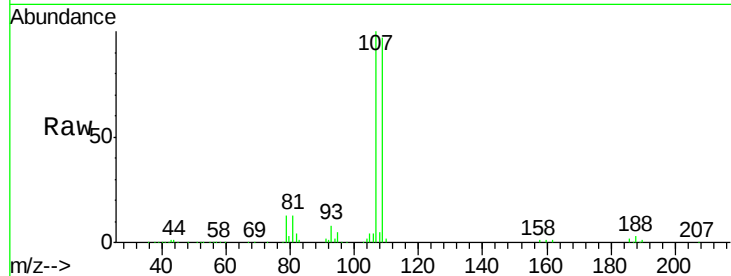
#61
 1,2-Dibromoethane
 Concen: 50.887 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	73.4	110.0

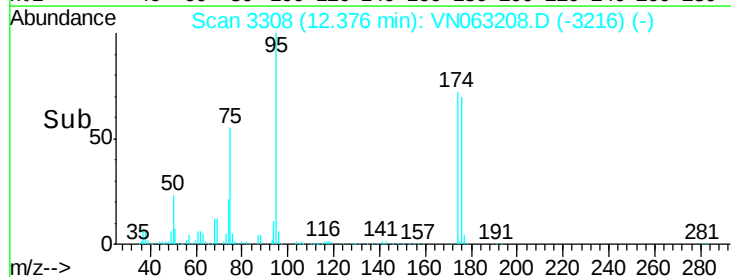
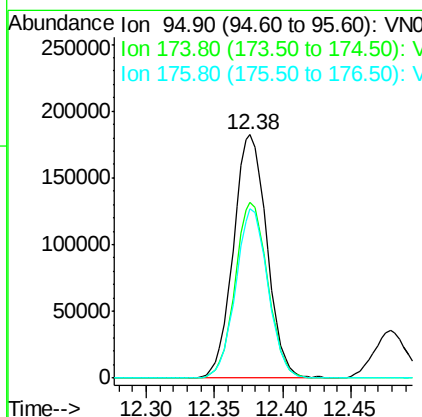
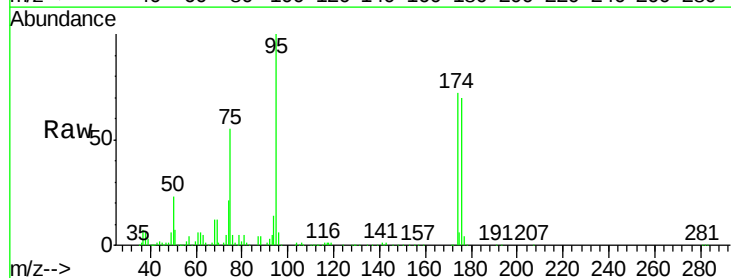
Manual Integrations
 APPROVED

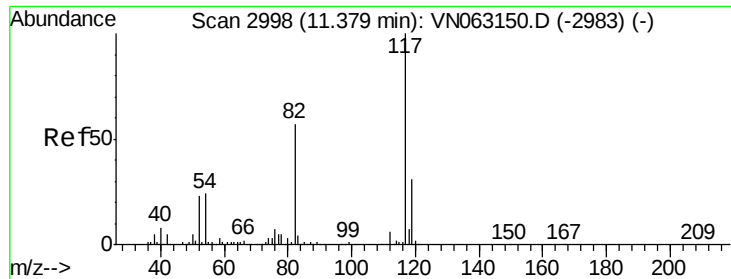
MMDadoda
 9/4/2020 11:14:40 AM



#62
 4-Bromofluorobenzene
 Concen: 47.899 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	143.8
176	66.9	0.0	138.4





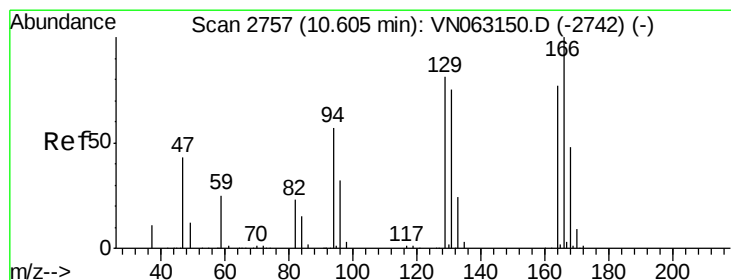
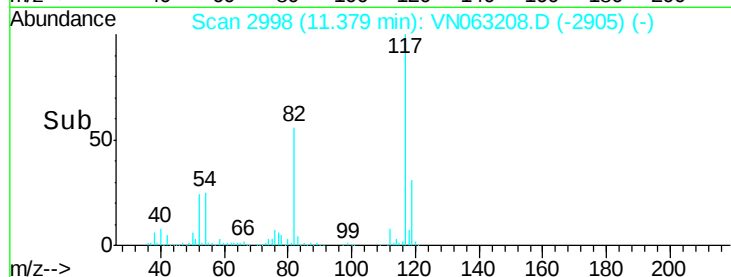
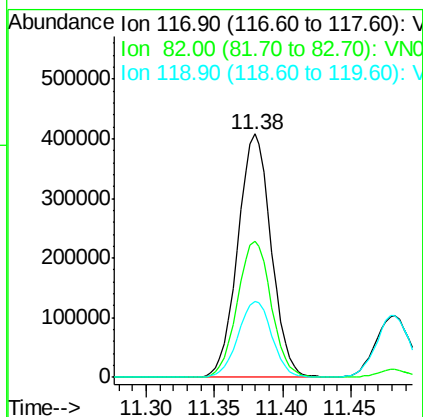
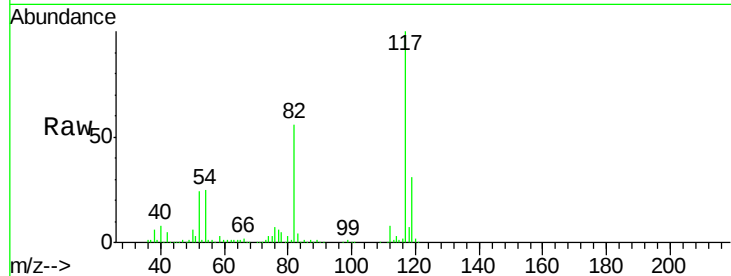
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.4	68.0
119	31.4	24.6	37.0

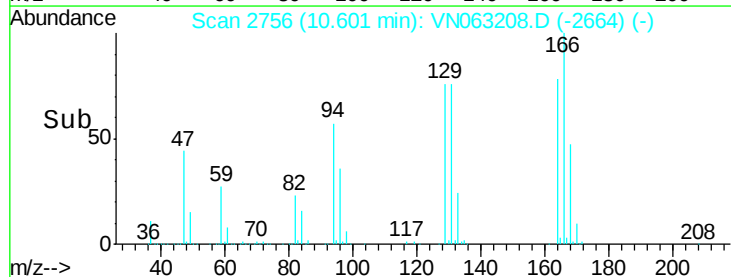
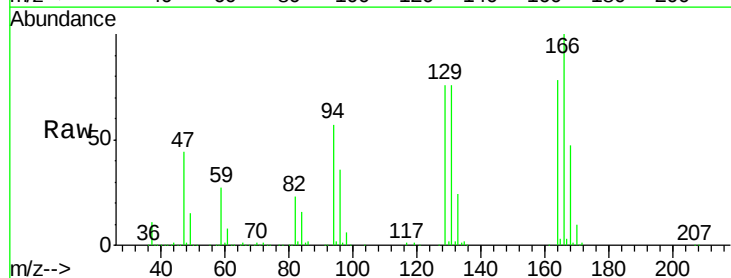
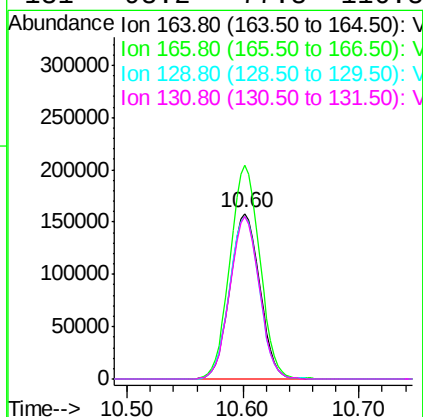
Manual Integrations
APPROVED

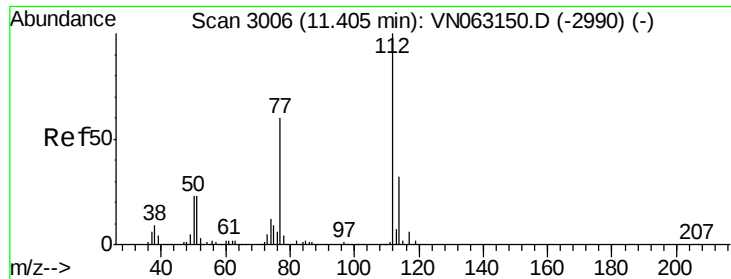
MMDadoda
9/4/2020 11:14:40 AM



#64
Tetrachloroethene
Concen: 56.324 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.4	155.2
129	98.4	83.4	125.0
131	98.2	77.8	116.8





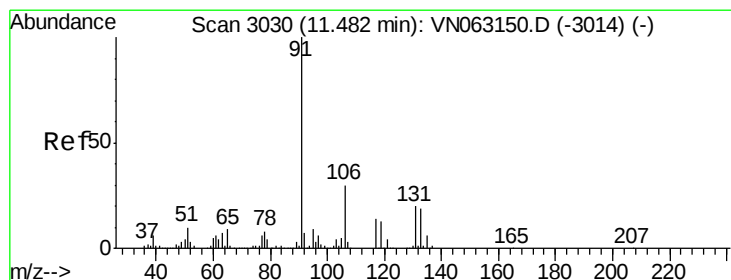
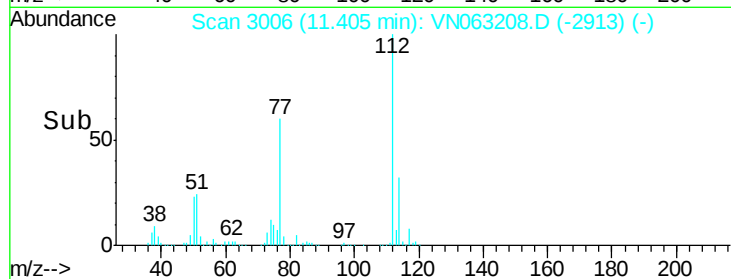
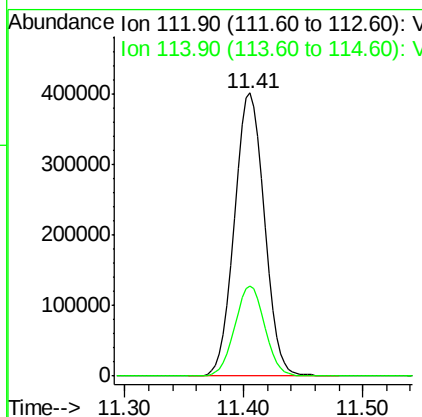
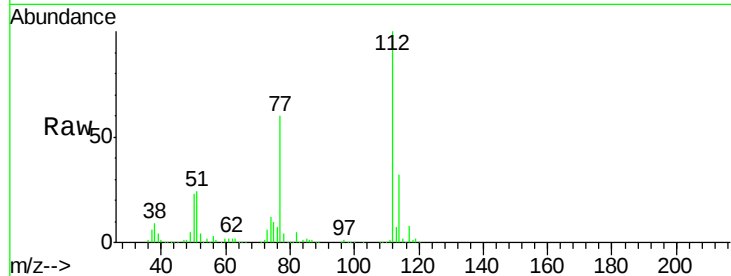
#65
Chlorobenzene
Concen: 50.265 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

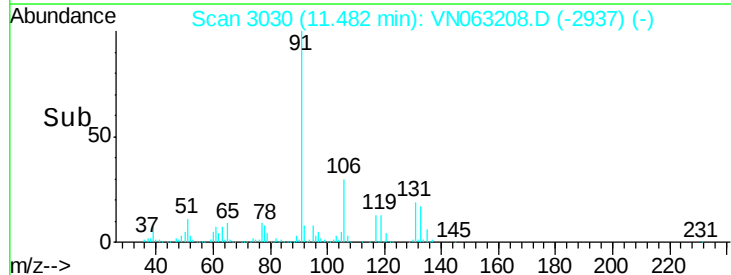
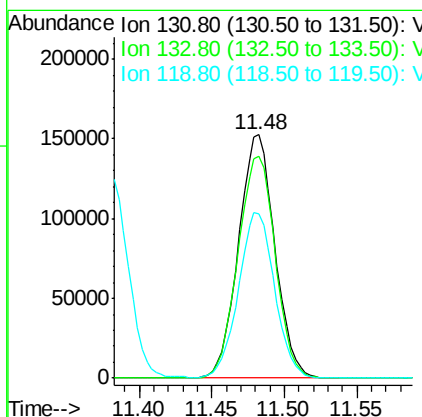
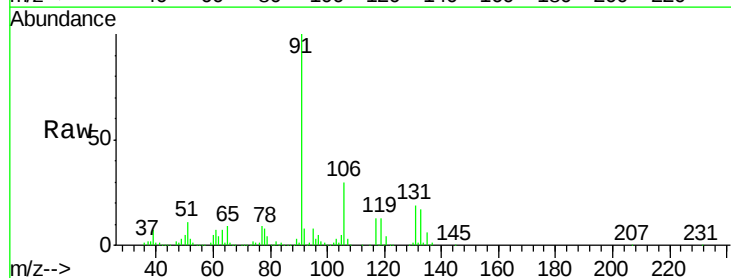
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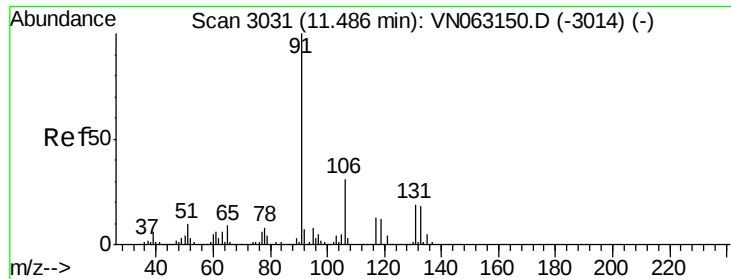
MMDadoda
9/4/2020 11:14:40 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.149 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.4	47.3	142.0
119	67.9	32.4	97.0





#67

Ethyl Benzene

Concen: 52.455 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 91 Resp: 1338759

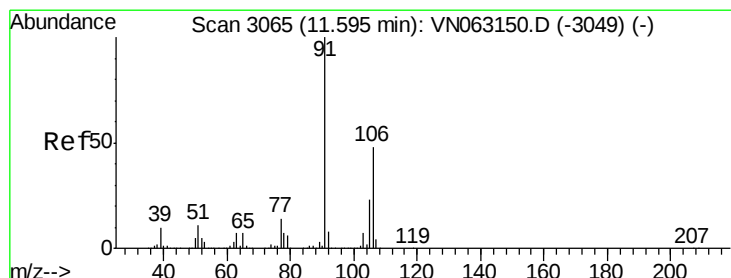
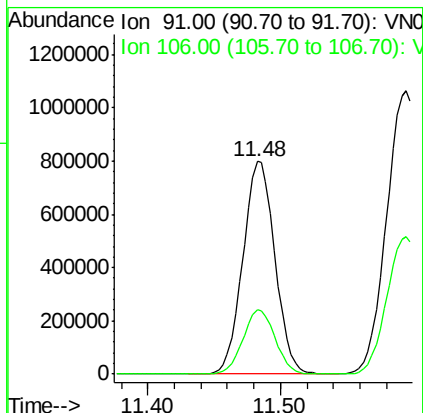
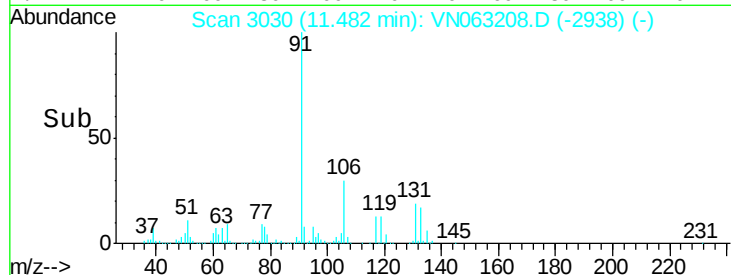
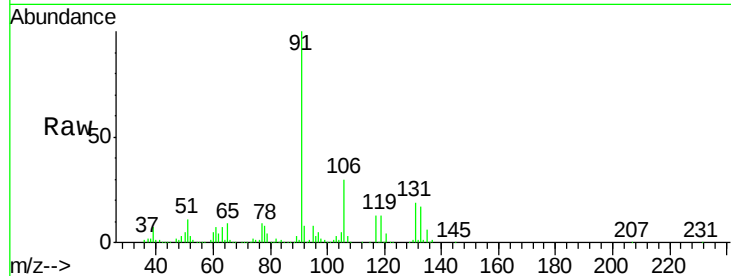
Ion Ratio Lower Upper

91 100

106 30.2 24.4 36.6

Manual Integrations
APPROVED

MMDadoda
9/4/2020 11:14:40 AM



#68

m/p-Xylenes

Concen: 105.606 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063208.D

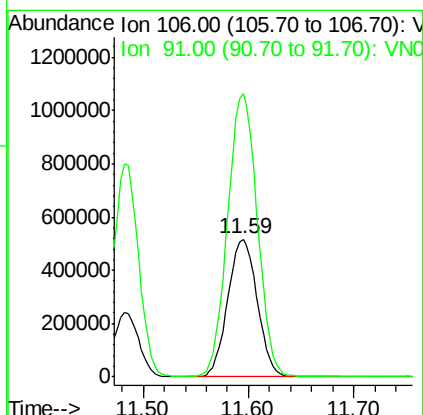
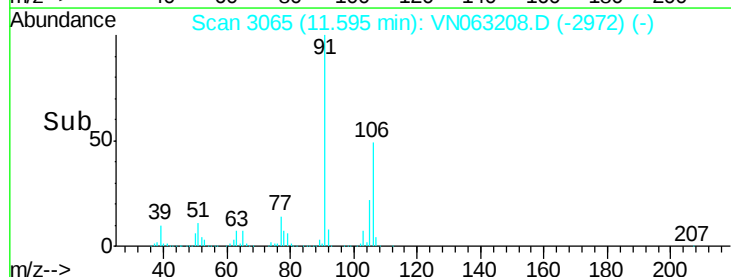
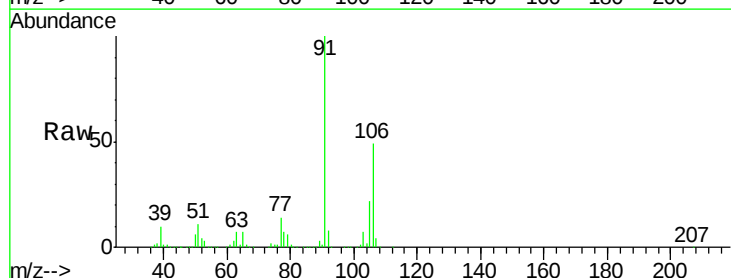
Acq: 3 Sep 2020 10:00

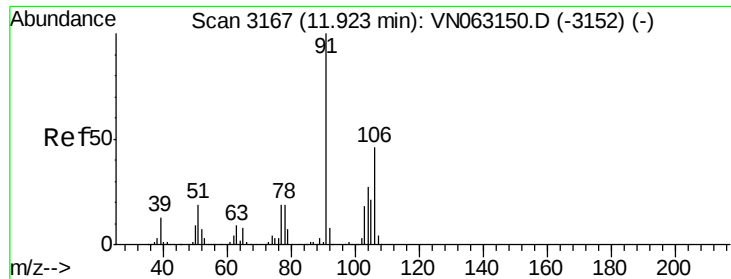
Tgt Ion: 106 Resp: 998240

Ion Ratio Lower Upper

106 100

91 207.4 166.7 250.1





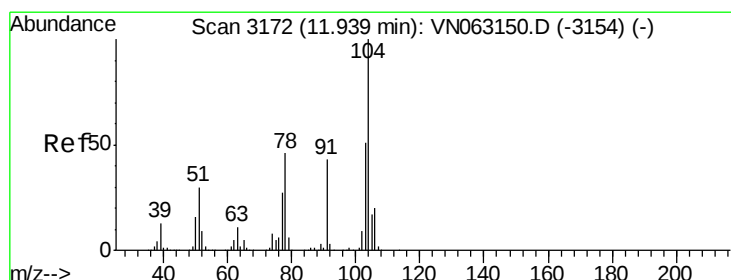
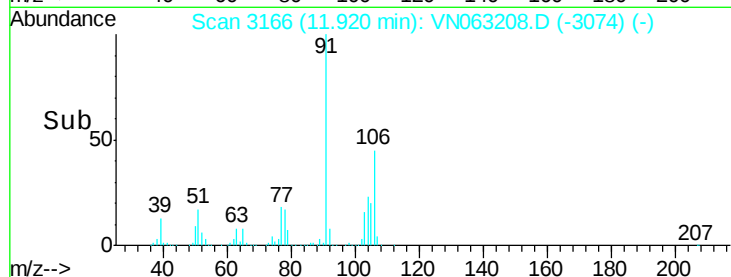
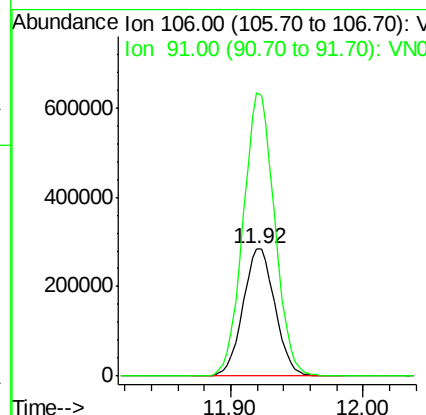
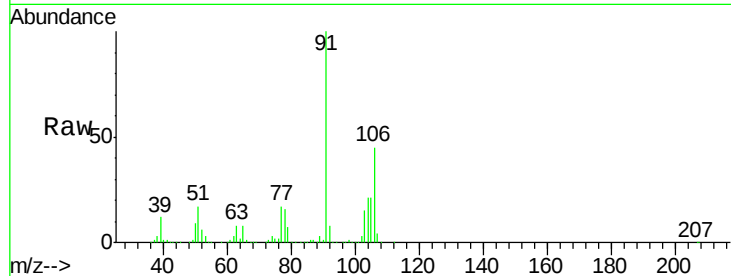
#69
o-Xylene
Concen: 52.208 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		476738		
91	218.6	108.6	325.6		

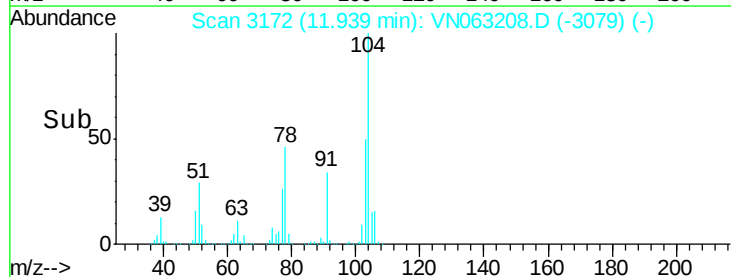
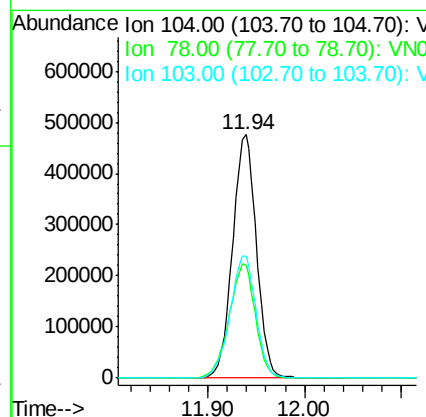
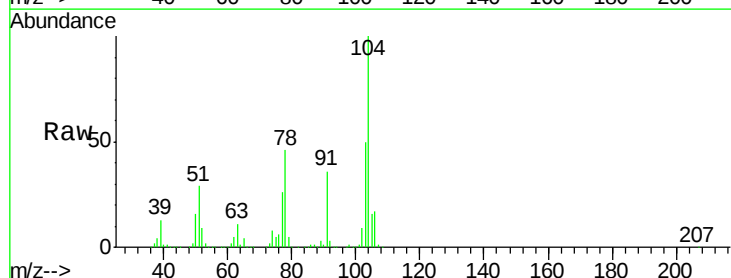
Manual Integrations
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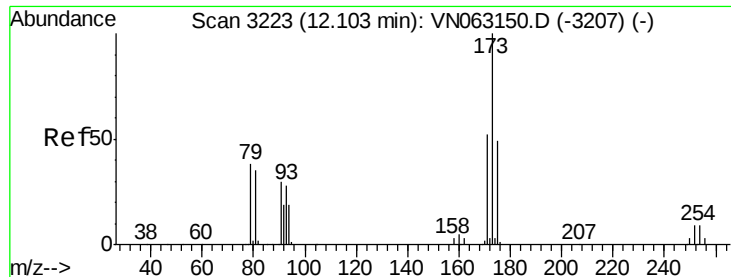
MMDadoda
9/4/2020 11:14:40 AM



#70
Styrene
Concen: 52.124 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		818001		
78	51.5	41.0	61.6		
103	54.5	43.8	65.8		





#71

Bromoform

Concen: 50.797 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

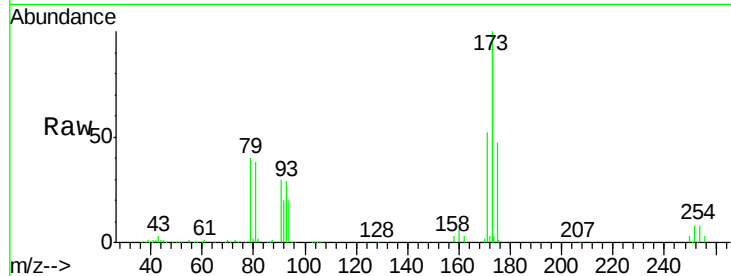
ClientSampleId :

VSTDCCC050

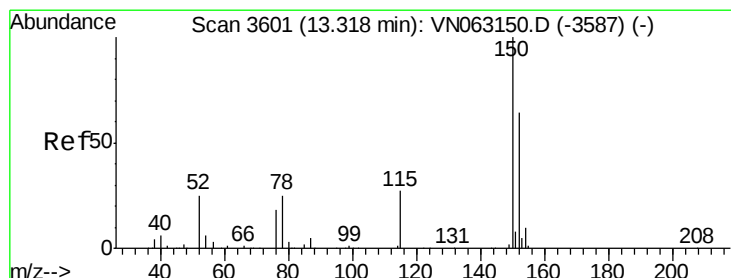
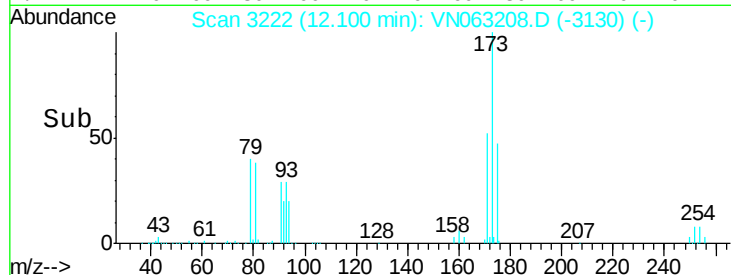
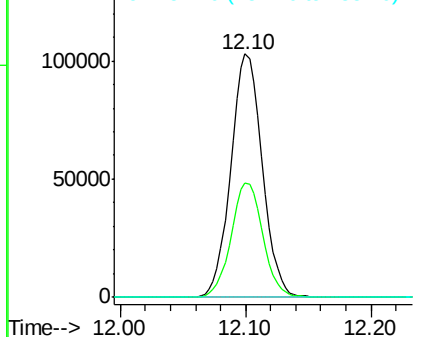
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.6	73.8
254	0.0	0.0	0.0

Manual Integrations
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9/4/2020 11:14:40 AM



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

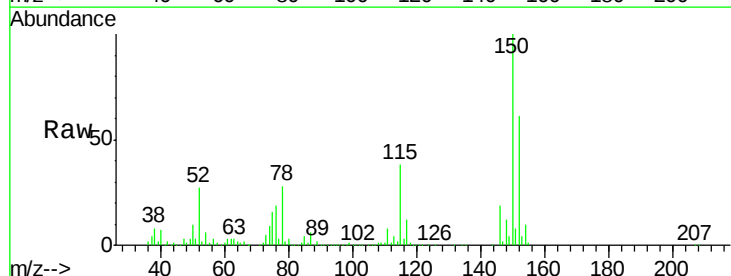
RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

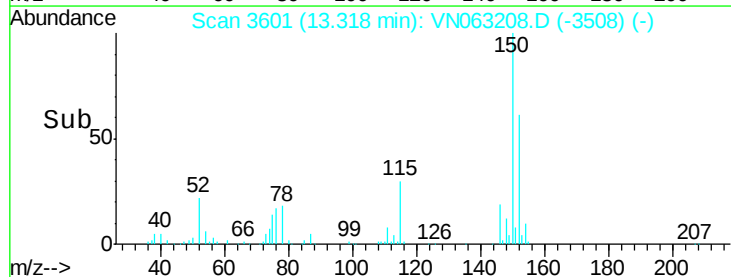
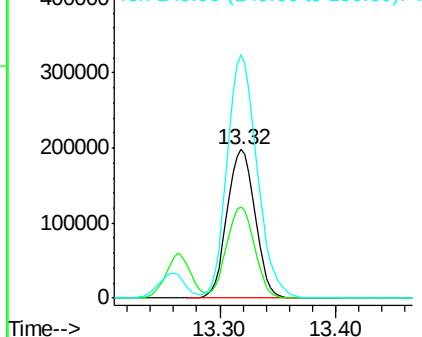
Lab File: VN063208.D

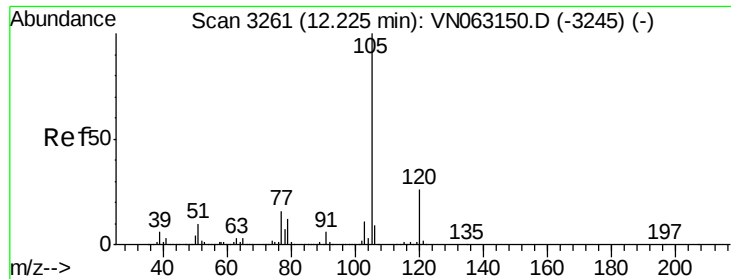
Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.8	32.0	96.2
150	175.0	0.0	353.0



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: 50.899 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1287420

Ion Ratio Lower Upper

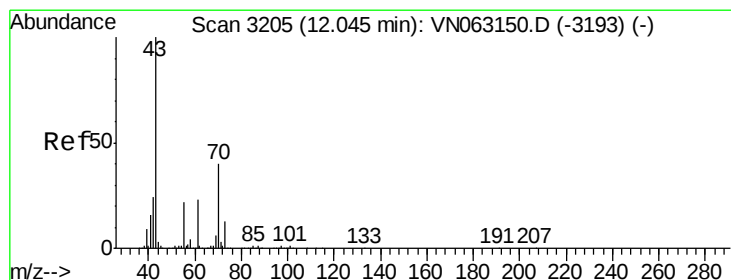
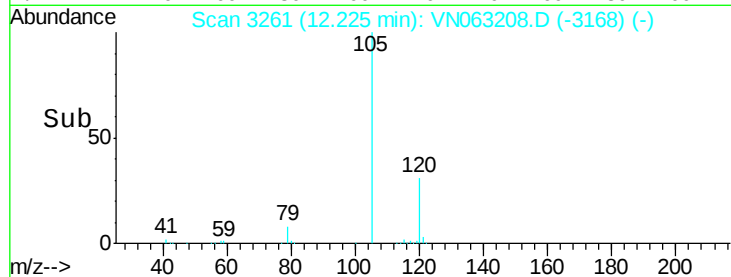
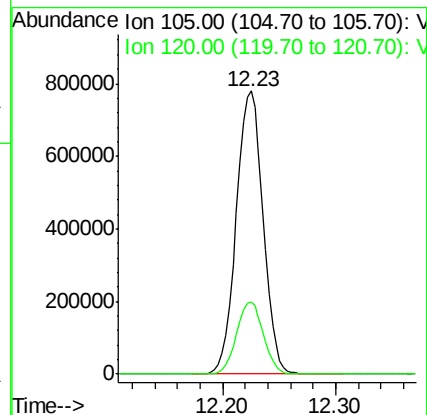
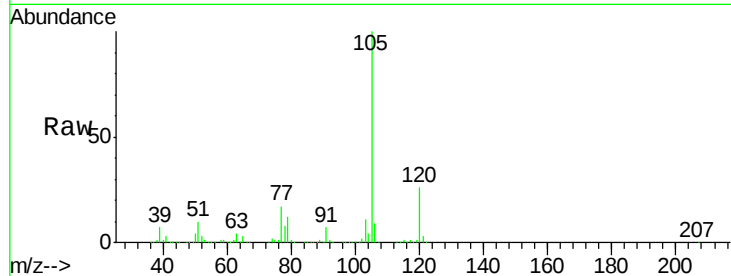
105 100

120 25.5 12.9 38.6

Manual Integrations
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MMDadoda

9/4/2020 11:14:40 AM



#74

N-ethyl acetate

Concen: 50.974 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Tgt Ion: 43 Resp: 534060

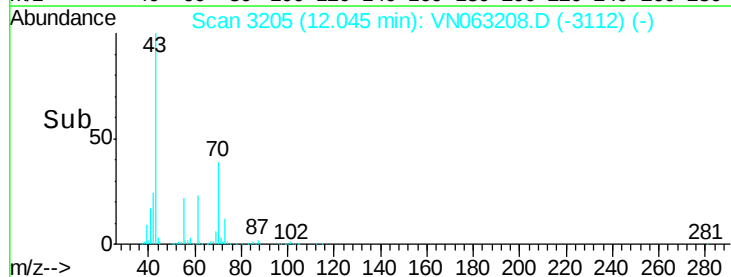
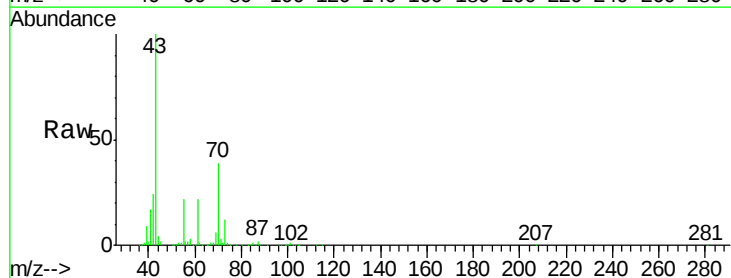
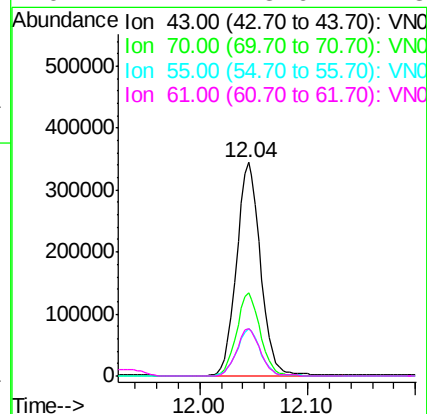
Ion Ratio Lower Upper

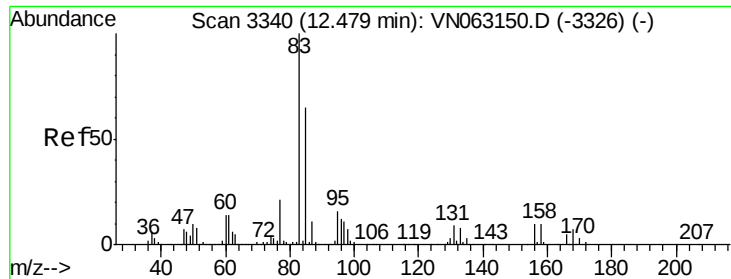
43 100

70 38.5 32.1 48.1

55 22.0 17.4 26.0

61 22.2 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: 47.223 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

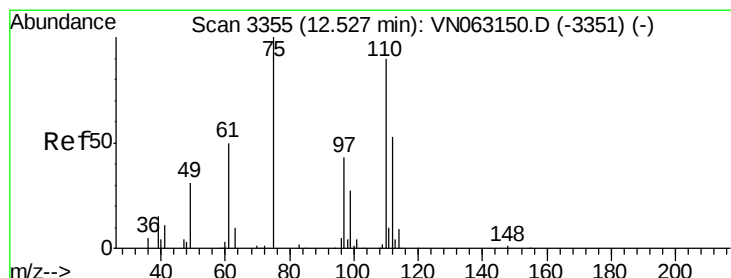
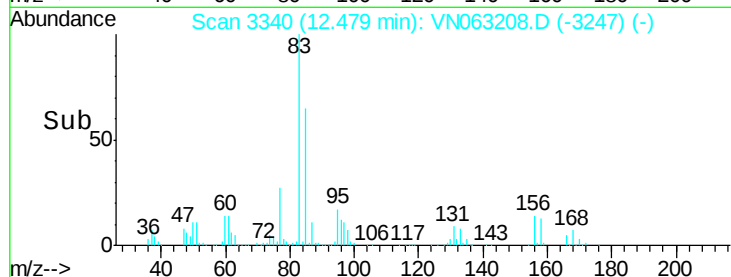
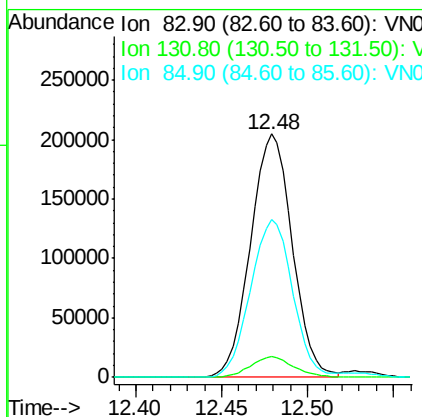
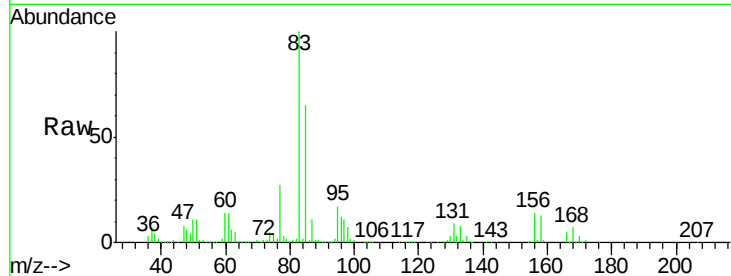
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	344366
Ion Ratio	Lower	Upper	
83	100		
131	8.9	4.7	14.0
85	65.6	32.7	98.1

Manual Integrations
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9/4/2020 11:14:40 AM



#76

1,2,3-Trichloropropane

Concen: 50.365 ug/l m

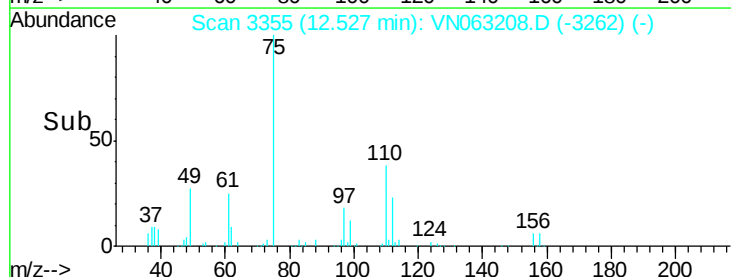
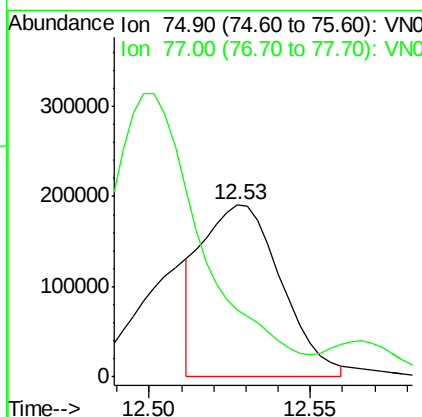
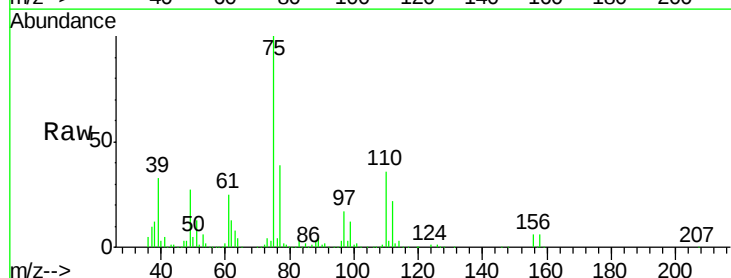
RT: 12.53 min Scan# 3355

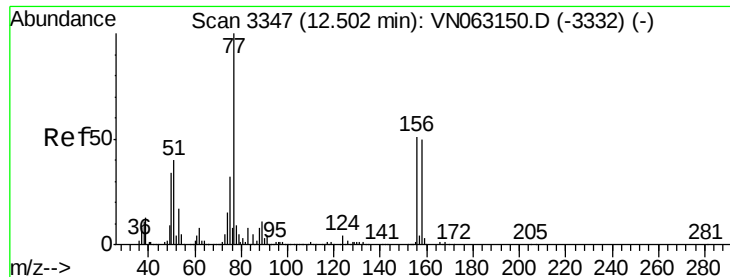
Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Tgt Ion:	75	Resp:	326343
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.198 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 287153

Ion Ratio Lower Upper

156 100

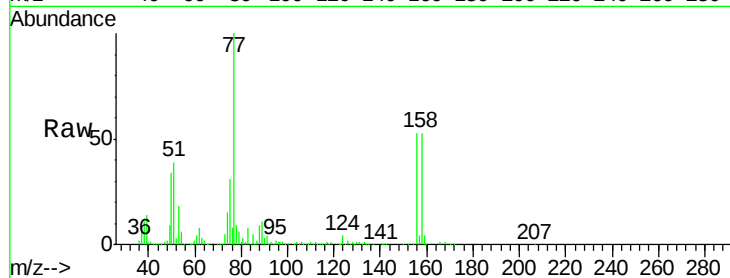
77 223.9 116.1 348.3

158 96.8 48.8 146.4

Manual Integrations
APPROVED

MMDadoda

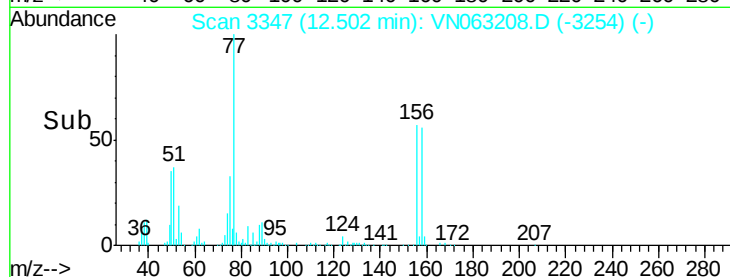
9/4/2020 11:14:40 AM



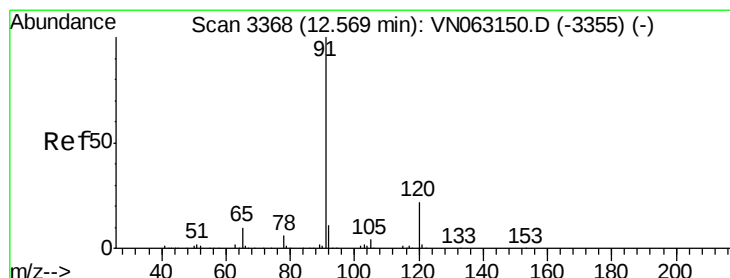
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 52.876 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063208.D

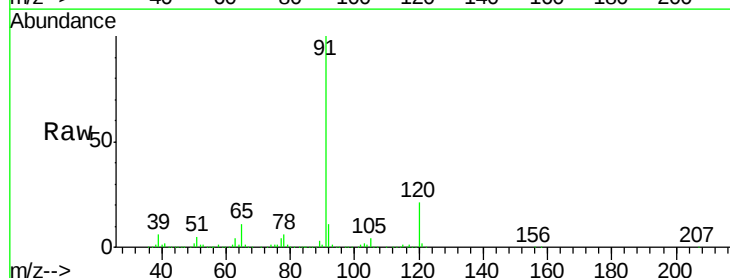
Acq: 3 Sep 2020 10:00

Tgt Ion: 91 Resp: 1547641

Ion Ratio Lower Upper

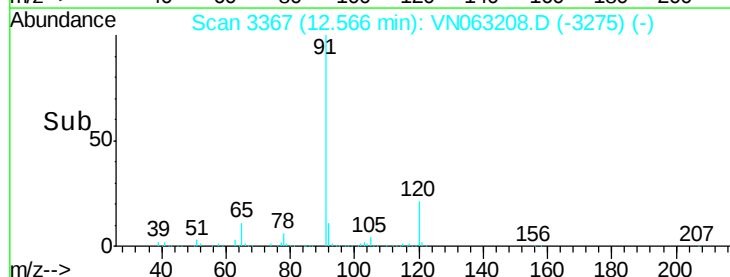
91 100

120 21.5 10.9 32.7

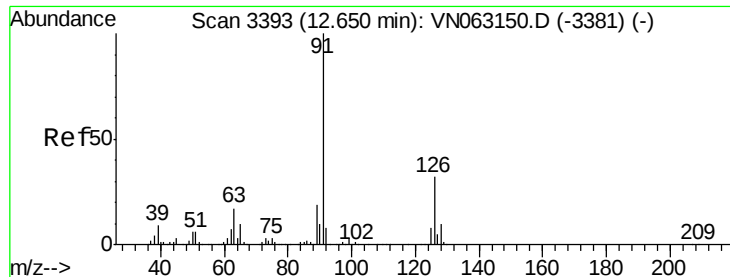


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->



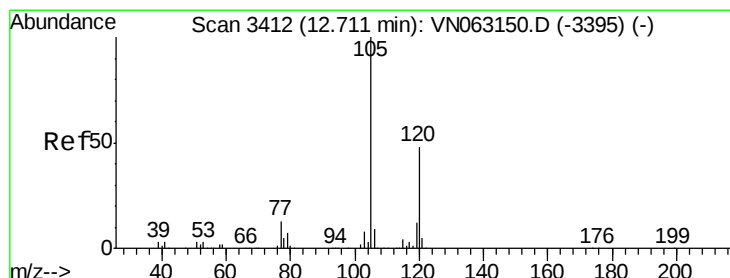
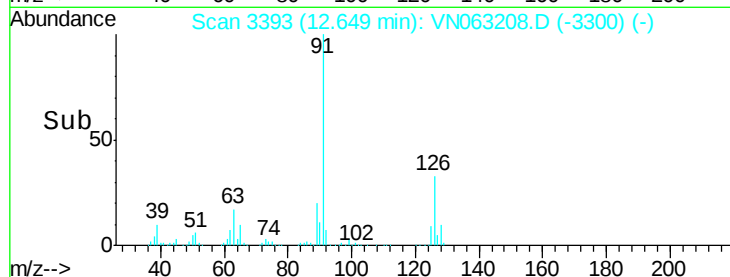
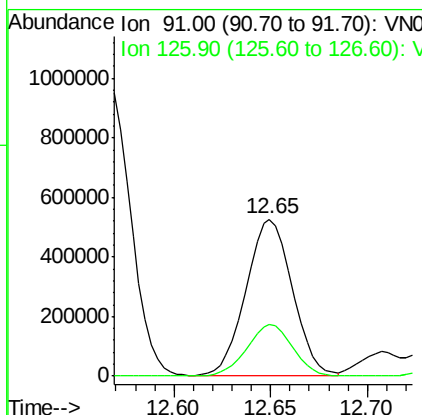
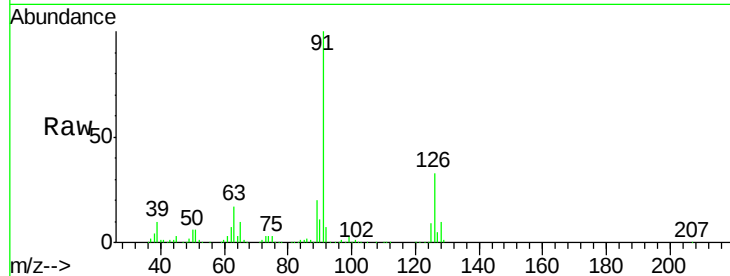
#79
 2-Chlorotoluene
 Concen: 49.979 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion: 91 Resp: 876154
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.1 48.3

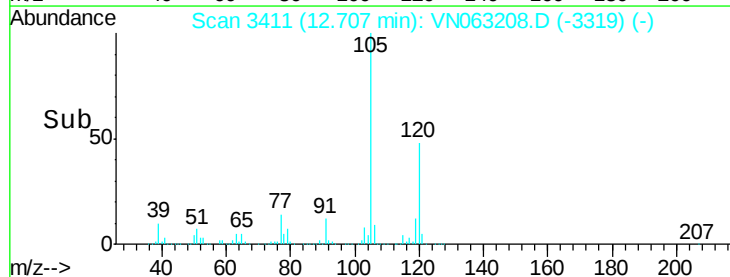
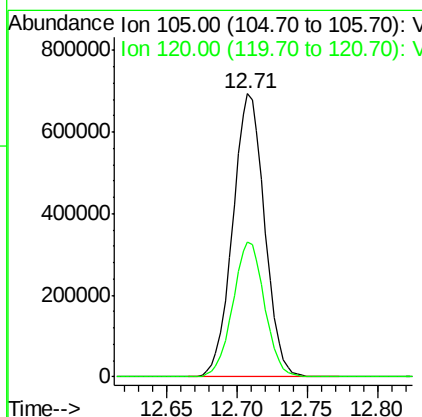
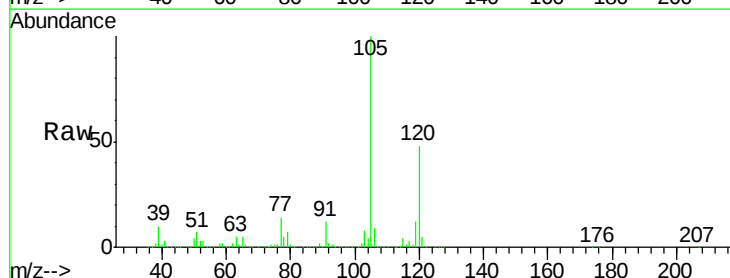
Manual Integrations
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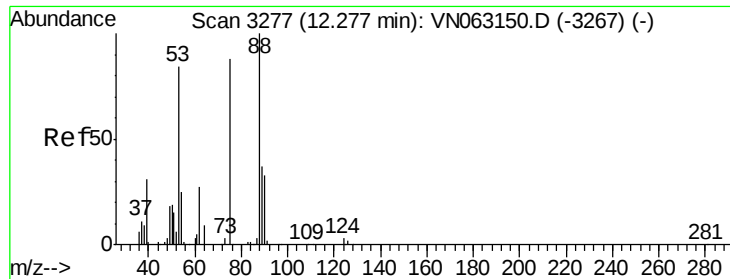
MMDadoda
 9/4/2020 11:14:40 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 51.885 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion: 105 Resp: 1092362
 Ion Ratio Lower Upper
 105 100
 120 47.6 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 47.027 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

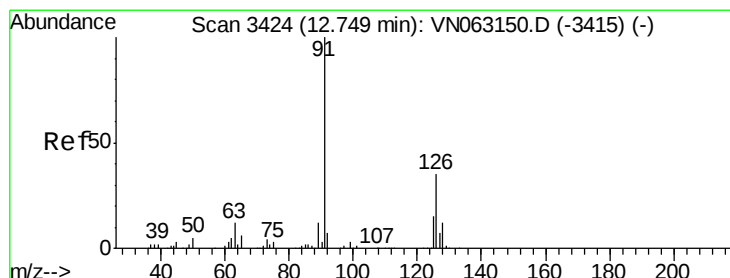
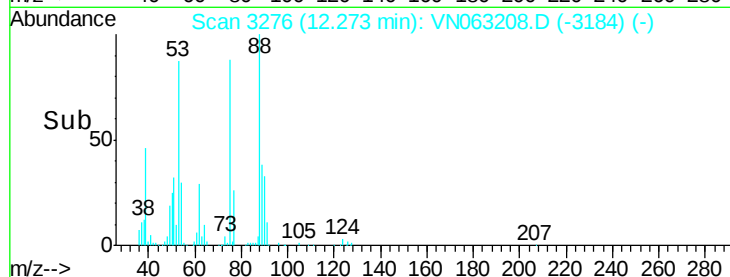
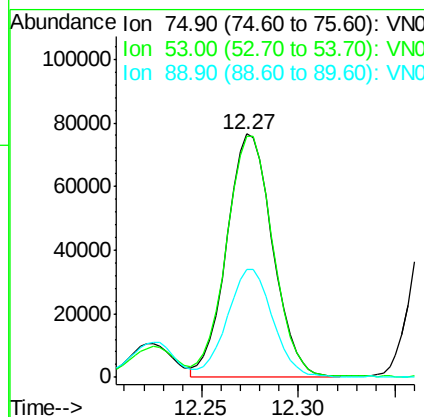
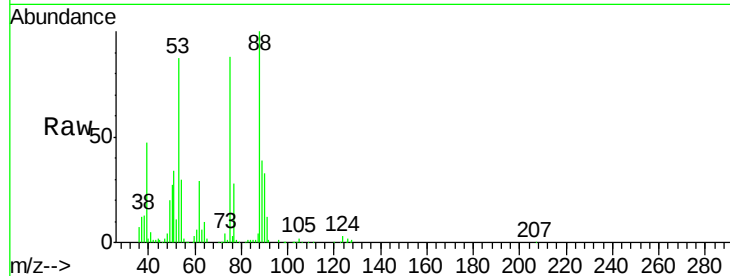
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	126070
Ion	Ratio	Lower	Upper
75	100		
53	100.0	78.7	118.1
89	43.6	35.3	52.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 51.346 ug/l

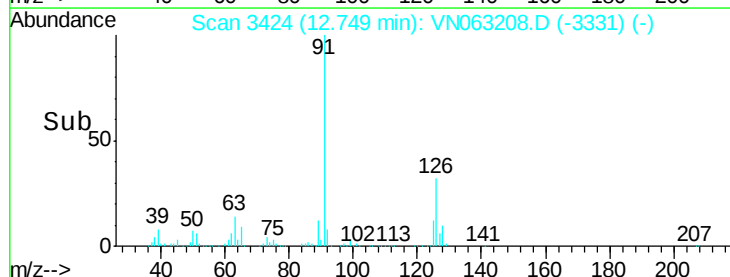
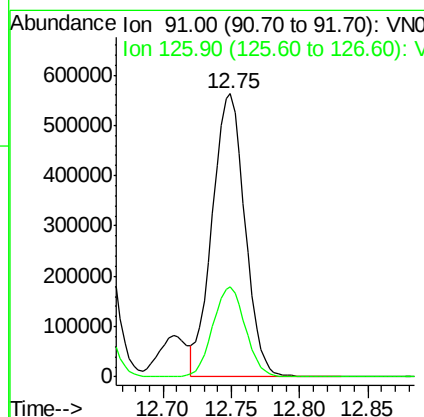
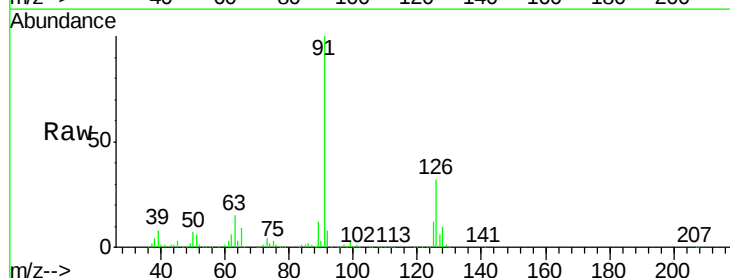
RT: 12.75 min Scan# 3424

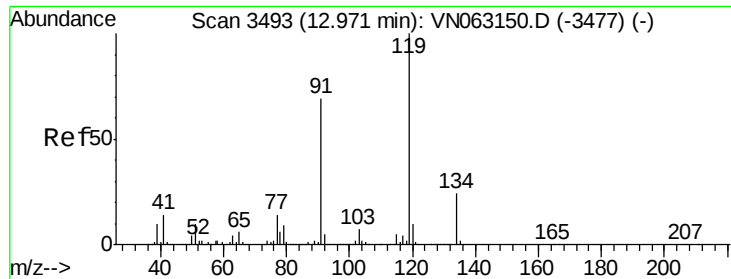
Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Tgt Ion:	91	Resp:	933550
Ion	Ratio	Lower	Upper
91	100		
126	31.6	16.2	48.5





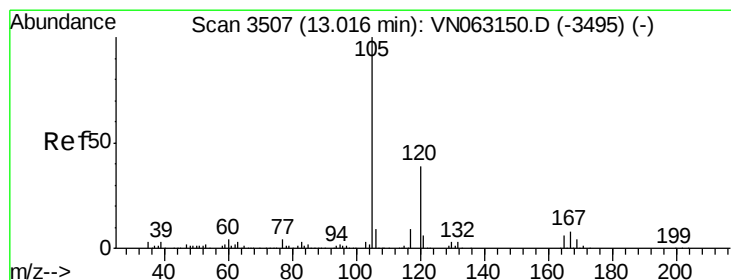
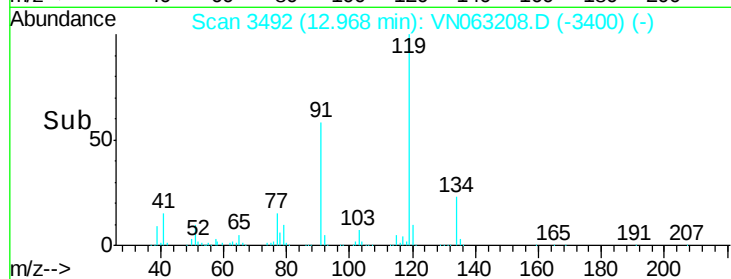
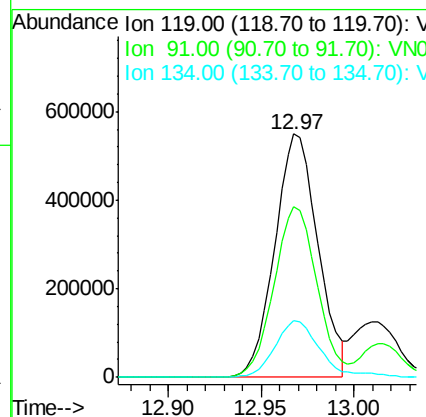
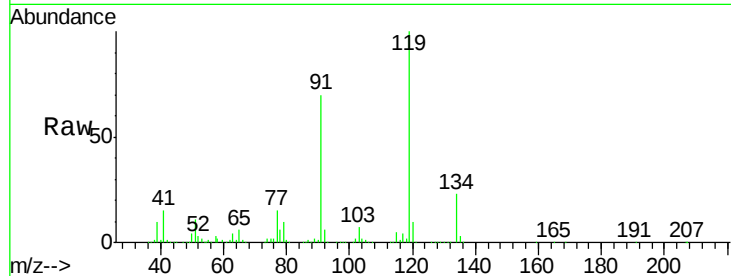
#83
 tert-Butylbenzene
 Concen: 49.446 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.8	33.7	101.0
134	24.7	12.0	36.0

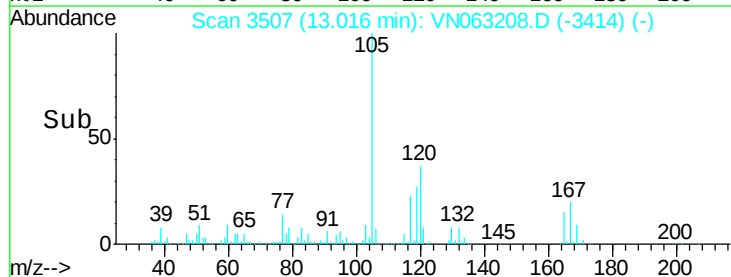
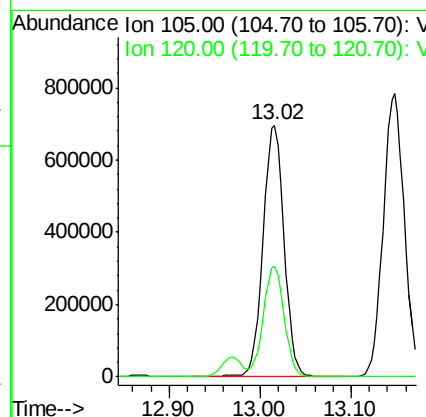
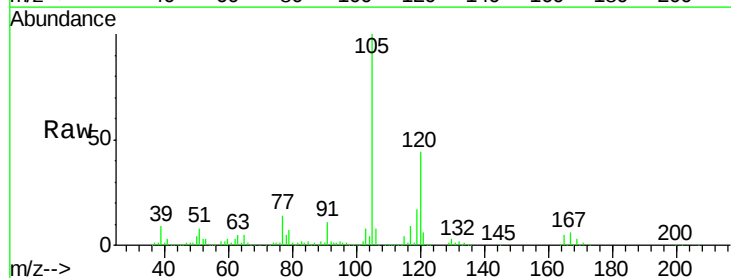
Manual Integrations
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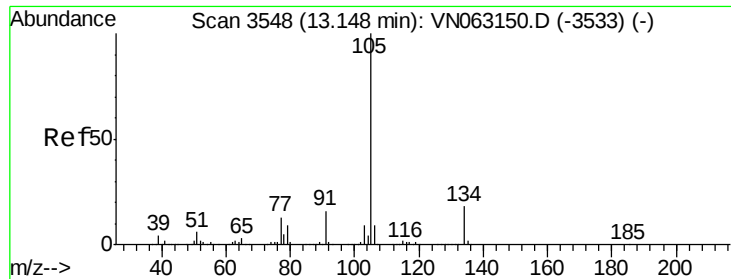
MMDadoda
 9/4/2020 11:14:40 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 52.745 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.3	22.6	67.7





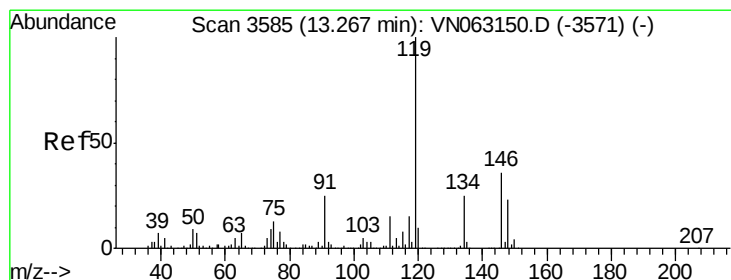
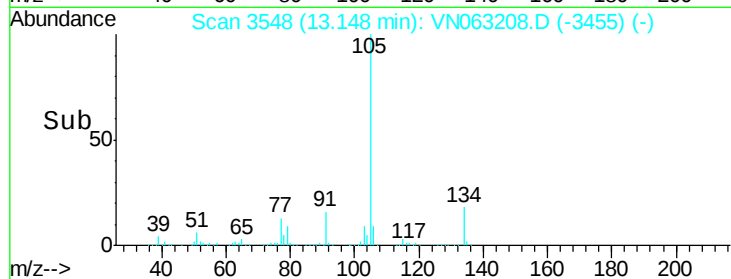
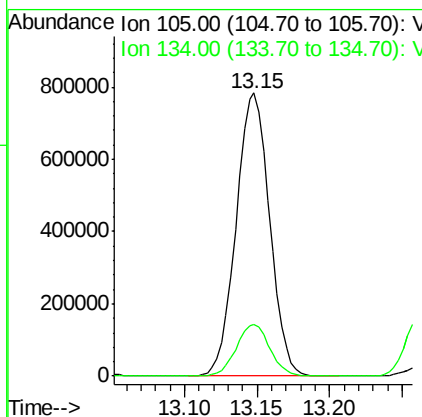
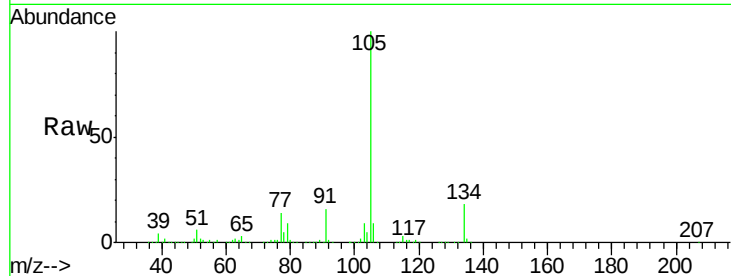
#85
 sec-Butylbenzene
 Concen: 53.222 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1252429
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.4 28.3

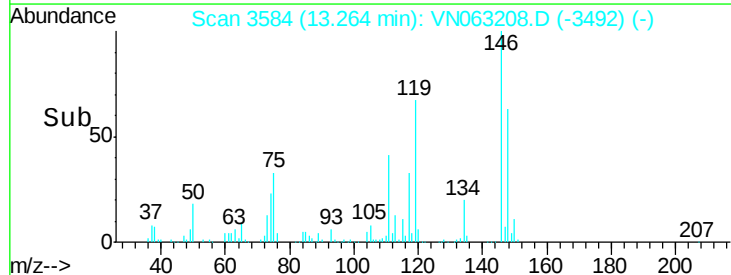
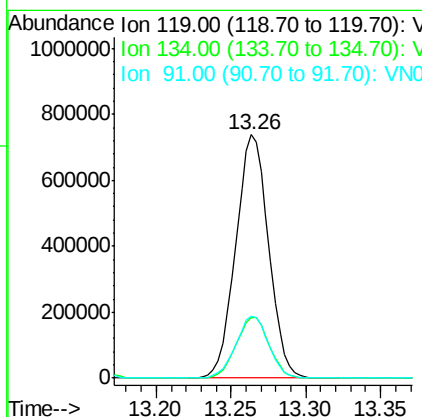
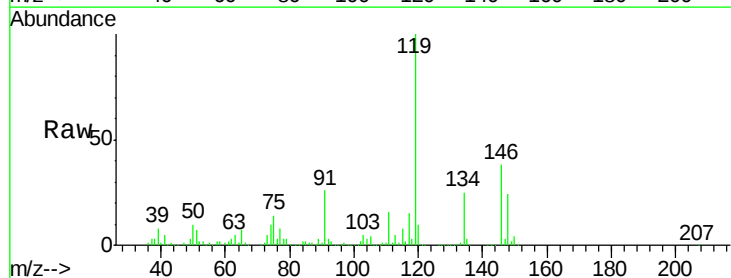
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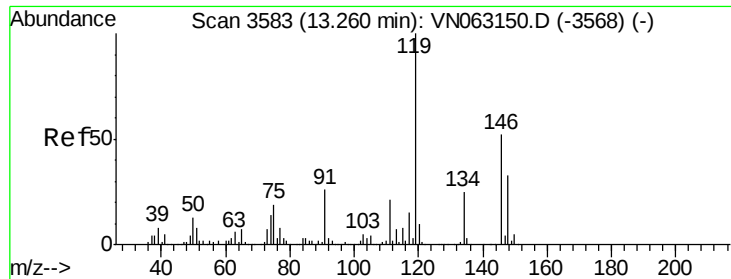
MMDadoda
 9/4/2020 11:14:40 AM



#86
 p-Isopropyltoluene
 Concen: 53.843 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion:119 Resp: 1124902
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.4 37.4
 91 25.4 12.2 36.6





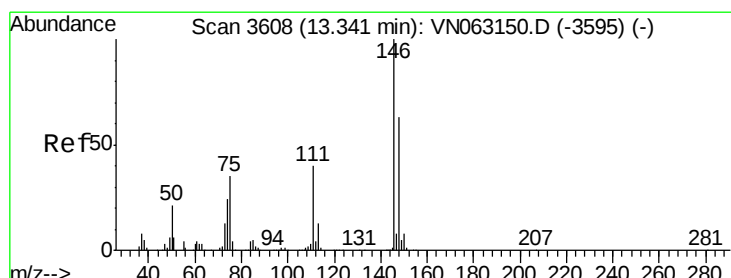
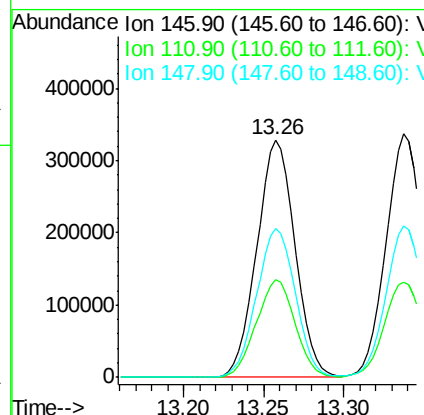
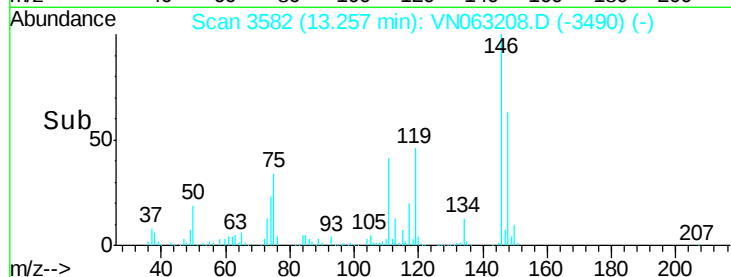
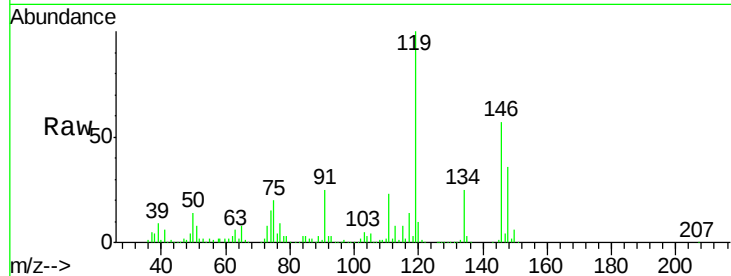
#87
 1,3-Dichlorobenzene
 Concen: 51.343 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.3	63.7
148	63.7	31.9	95.9

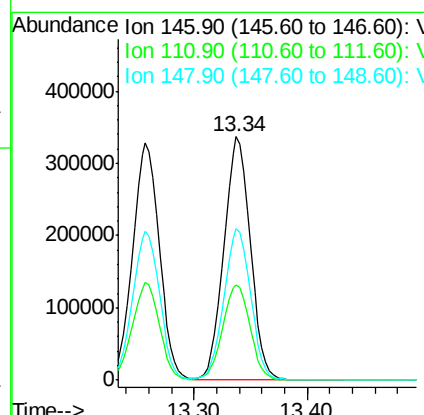
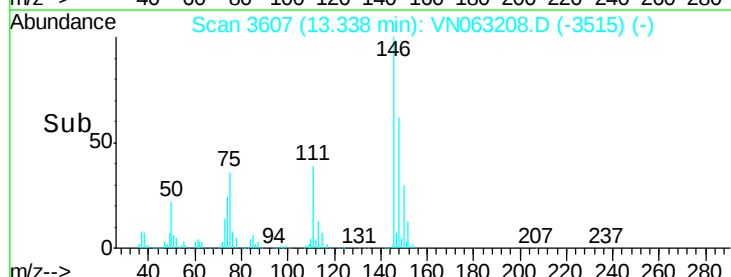
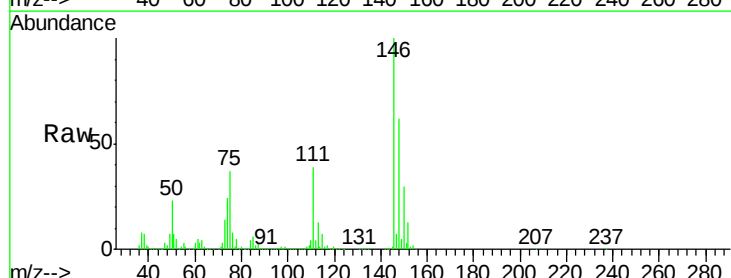
Manual Integrations
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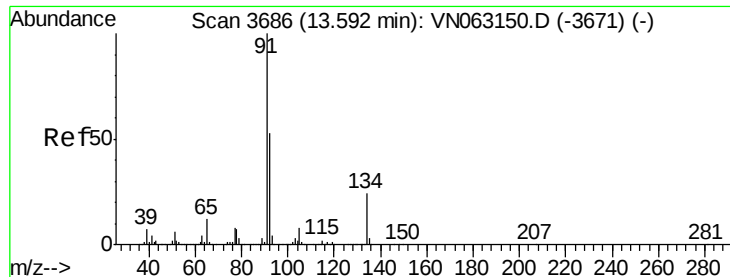
MMDadoda
 9/4/2020 11:14:40 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.374 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.5
148	62.6	31.9	95.7





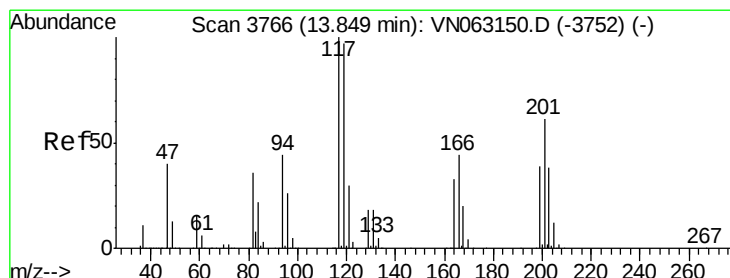
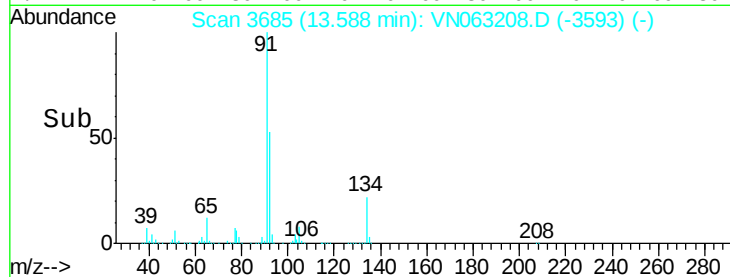
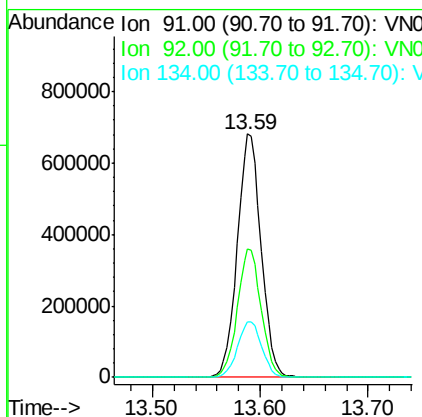
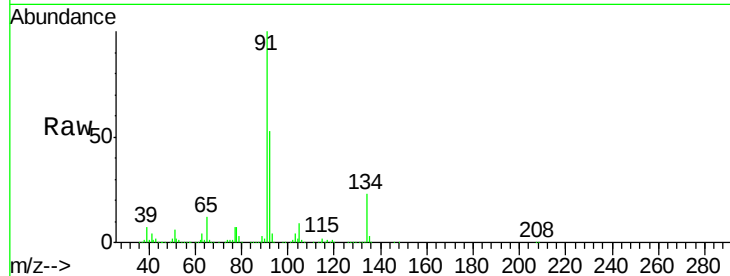
#89
n-Butylbenzene
Concen: 54.313 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.8
134	23.3	12.0	36.0

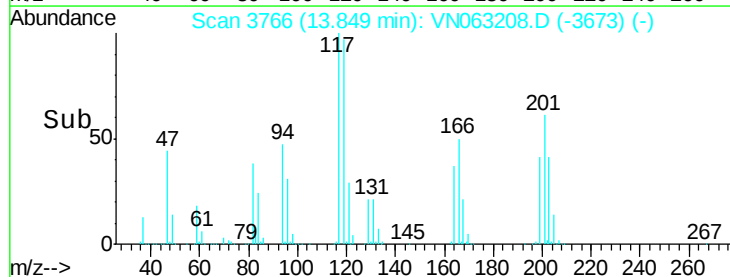
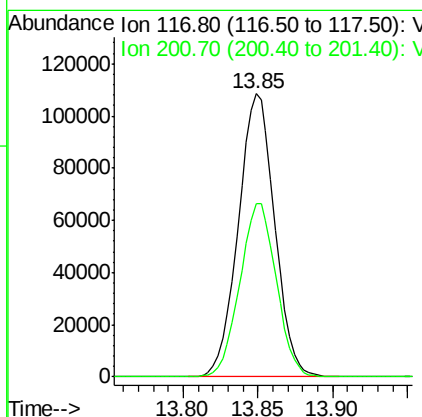
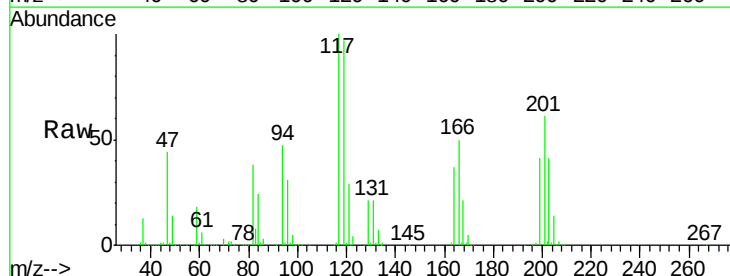
Manual Integrations
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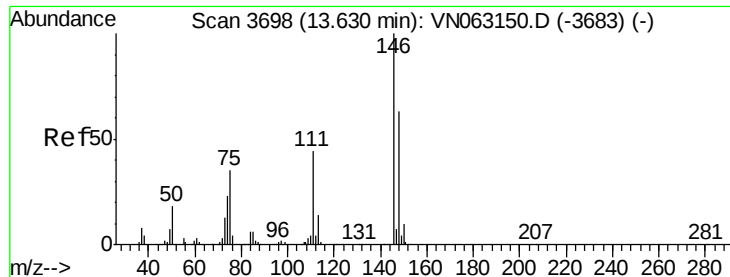
MMDadoda
9/4/2020 11:14:40 AM



#90
Hexachloroethane
Concen: 47.374 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063208.D
Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.4	30.6	92.0





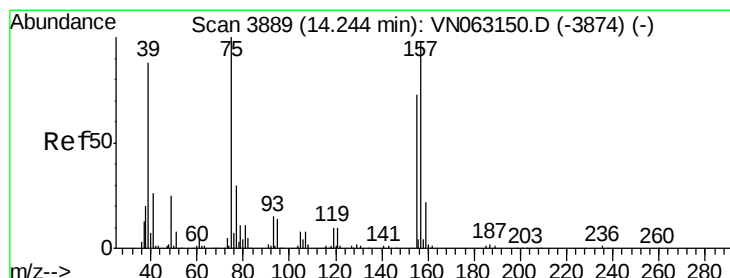
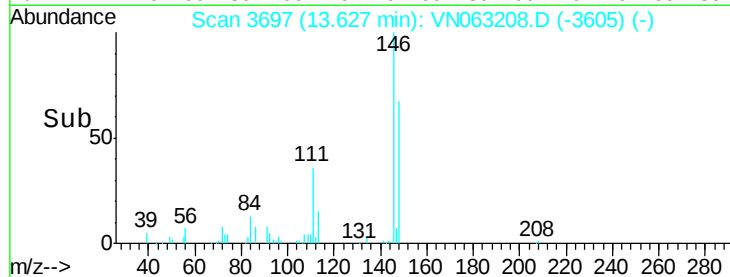
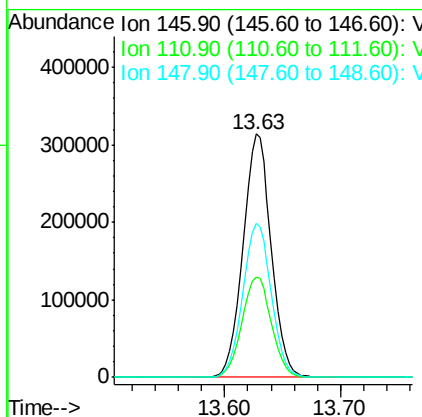
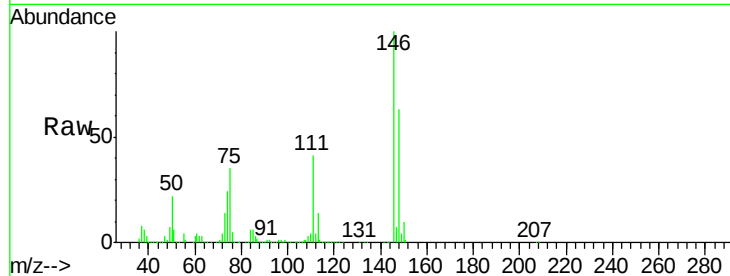
#91
 1,2-Dichlorobenzene
 Concen: 51.915 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	529419		
111	43.0	22.0	66.0	
148	64.0	31.6	95.0	

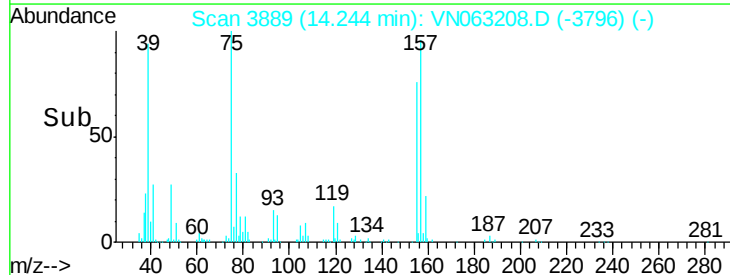
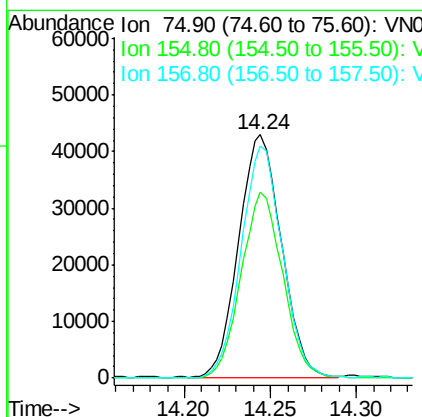
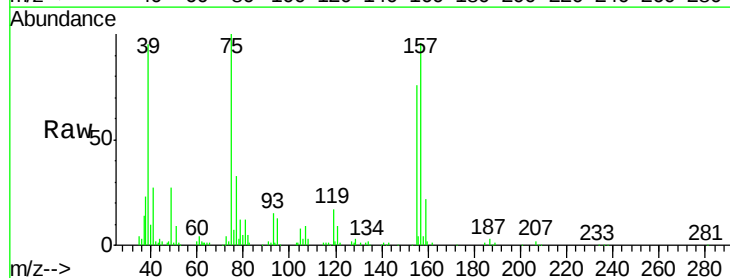
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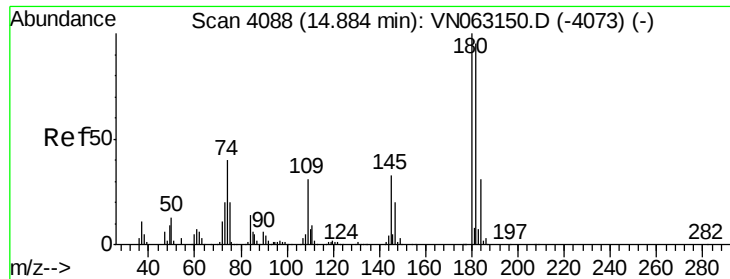
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.848 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	73504		
155	75.0	36.1	108.5	
157	92.9	48.4	145.0	





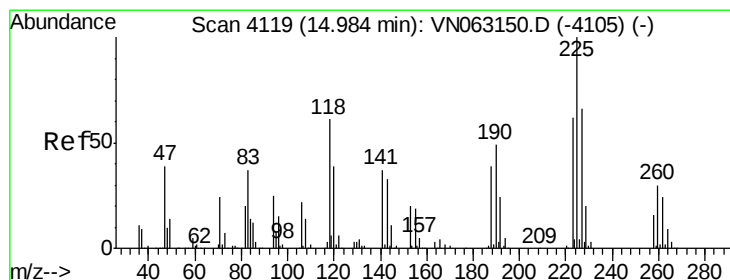
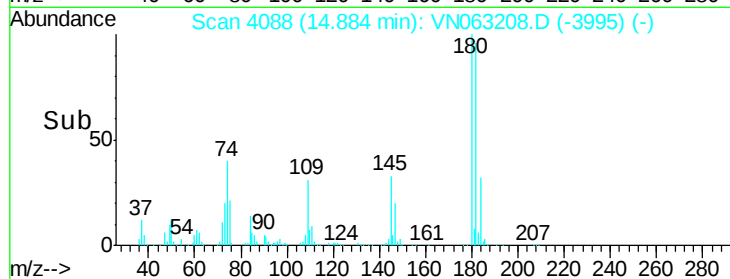
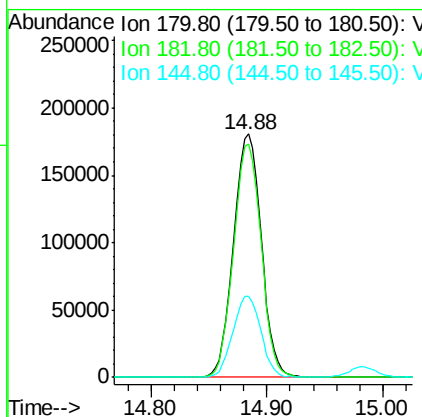
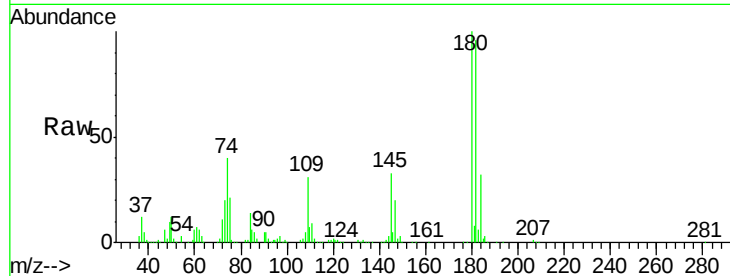
#93
 1,2,4-Trichlorobenzene
 Concen: 52.547 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	299383		
182	94.9	47.5	142.5	
145	33.4	16.6	49.8	

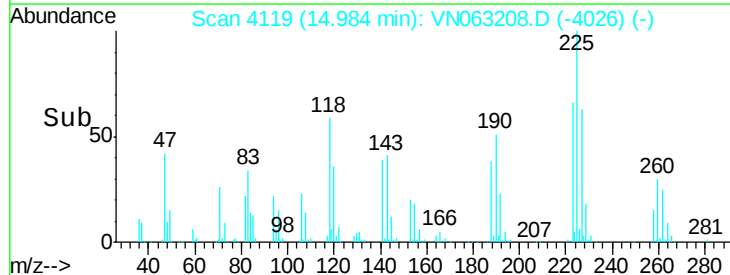
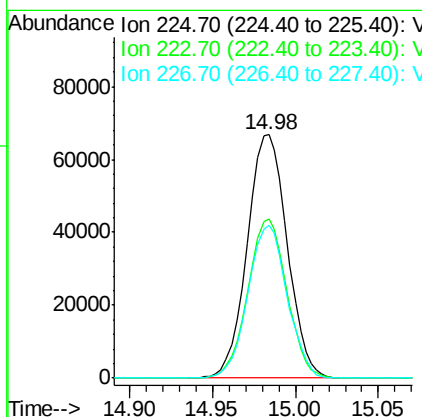
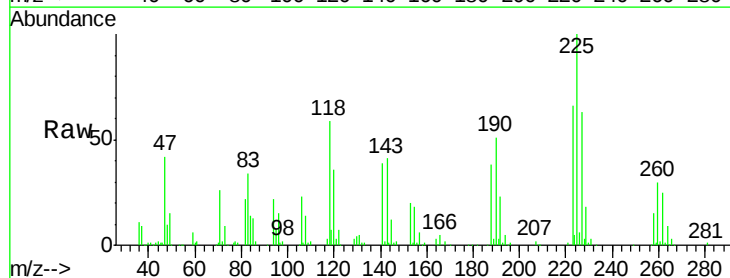
Manual Integrations
 APPROVED

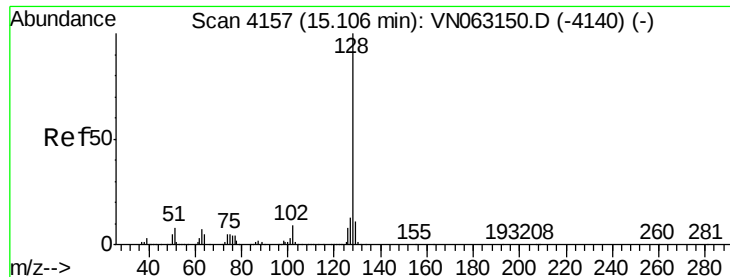
MMDadoda
 9/4/2020 11:14:40 AM



#94
 Hexachlorobutadiene
 Concen: 52.624 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN063208.D
 Acq: 3 Sep 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	112004		
223	63.9	30.9	92.7	
227	61.5	32.9	98.7	





#95

Naphthalene

Concen: 49.343 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Instrument :

MSVOA_N

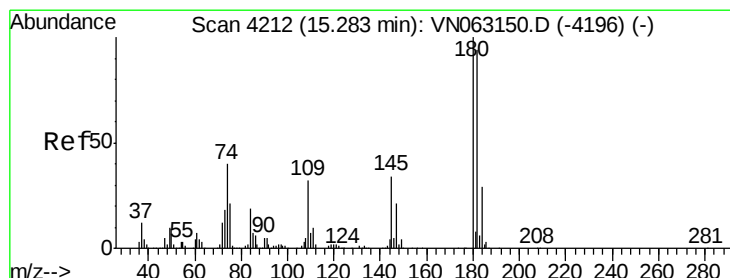
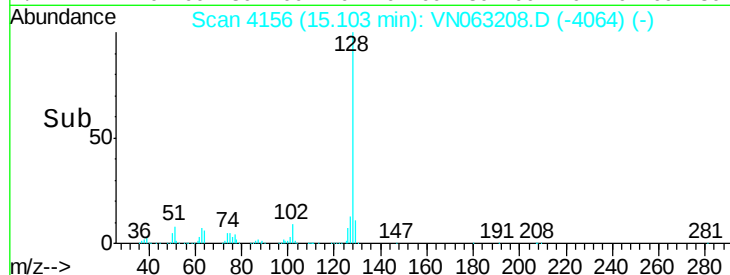
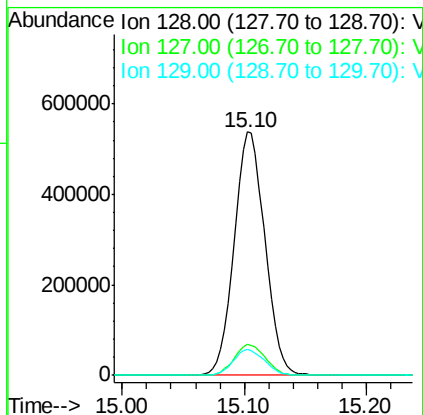
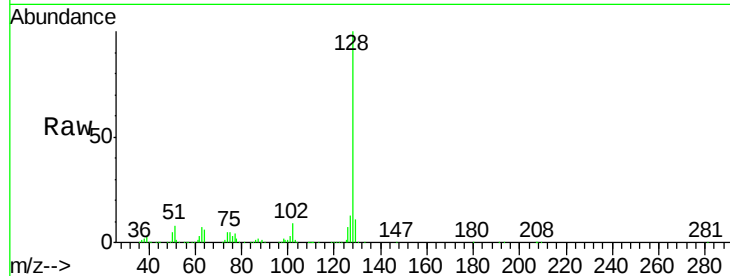
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	937938
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.5	15.7
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
9/4/2020 11:14:40 AM



#96

1,2,3-Trichlorobenzene

Concen: 51.490 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063208.D

Acq: 3 Sep 2020 10:00

Tgt Ion:	180	Resp:	285811
Ion Ratio	Lower	Upper	
180	100		
182	94.4	47.5	142.5
145	33.9	17.3	52.0

