

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063524.D
 Acq On : 22 Sep 2020 7:41
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/22/2020 2:08:46 PM

Quant Time: Sep 22 08:01:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	245672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	448903	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	418230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198871	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	209572	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
35) Dibromofluoromethane	7.55	113	148747	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	
50) Toluene-d8	10.06	98	556296	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
62) 4-Bromofluorobenzene	12.38	95	215775	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	130938	47.045	ug/l	99
3) Chloromethane	2.04	50	164666	44.723	ug/l	99
4) Vinyl Chloride	2.16	62	164543	50.440	ug/l	99
5) Bromomethane	2.52	94	103310	53.339	ug/l	98
6) Chloroethane	2.67	64	99162	49.521	ug/l	99
7) Trichlorofluoromethane	2.98	101	253575	52.100	ug/l	98
8) Diethyl Ether	3.37	74	95725	50.453	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	131862	48.175	ug/l	99
10) Methyl Iodide	3.91	142	184102	51.662	ug/l	98
11) Tert butyl alcohol	4.73	59	147983	255.428	ug/l #	85
12) 1,1-Dichloroethene	3.69	96	136985	49.411	ug/l	97
13) Acrolein	3.57	56	88170	410.666	ug/l	95
14) Allyl chloride	4.28	41	254578	46.423	ug/l	99
15) Acrylonitrile	4.93	53	391239	265.484	ug/l	99
16) Acetone	3.77	43	360074	267.908	ug/l	100
17) Carbon Disulfide	4.01	76	367070	45.519	ug/l	98
18) Methyl Acetate	4.28	43	185510	54.370	ug/l	98
19) Methyl tert-butyl Ether	4.99	73	507810	49.146	ug/l	98
20) Methylene Chloride	4.50	84	163852	48.118	ug/l	98
21) trans-1,2-Dichloroethene	4.99	96	145502	47.370	ug/l	98
22) Diisopropyl ether	5.90	45	549966	49.174	ug/l	99
23) Vinyl Acetate	5.84	43	2319801	252.559	ug/l	99
24) 1,1-Dichloroethane	5.80	63	297329	48.694	ug/l	99
25) 2-Butanone	6.78	43	551430	266.768	ug/l	98
26) 2,2-Dichloropropane	6.78	77	182084	33.870	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	175072	50.357	ug/l	96
28) Bromochloromethane	7.15	49	145533	51.620	ug/l	96
29) Tetrahydrofuran	7.16	42	364838	258.427	ug/l	99
30) Chloroform	7.33	83	307527	50.199	ug/l	100
31) Cyclohexane	7.61	56	247974	42.933	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	273303	50.159	ug/l	99
36) 1,1-Dichloropropene	7.75	75	223182	46.667	ug/l	100
37) Ethyl Acetate	6.88	43	227338	48.434	ug/l	98
38) Carbon Tetrachloride	7.73	117	231854	47.492	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	213247	41.084	ug/l	99
40) Benzene	8.00	78	648341	47.491	ug/l	97
41) Methacrylonitrile	7.13	41	106451	50.425	ug/l #	100
42) 1,2-Dichloroethane	8.08	62	263736	48.038	ug/l	99
43) Isopropyl Acetate	8.13	43	395994	47.182	ug/l	98
44) Trichloroethene	8.80	130	165017	49.835	ug/l	96
45) 1,2-Dichloropropane	9.08	63	178130	47.907	ug/l	100
46) Dibromomethane	9.17	93	121354	49.657	ug/l	99
47) Bromodichloromethane	9.37	83	246965	48.644	ug/l	99
48) Methyl methacrylate	9.16	41	195912	47.511	ug/l	97
49) 1,4-Dioxane	9.16	88	57282	968.018	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	1213980	258.368	ug/l	100
52) Toluene	10.12	92	406116	49.478	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	254098	44.831	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	268106	44.845	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	164086	50.329	ug/l	98
56) Ethyl methacrylate	10.40	69	255973	50.292	ug/l	97
57) 1,3-Dichloropropane	10.68	76	280035	47.630	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	642127	240.501	ug/l	98
59) 2-Hexanone	10.72	43	896177	263.269	ug/l	99
60) Dibromochloromethane	10.87	129	183446	49.805	ug/l	98
61) 1,2-Dibromoethane	10.98	107	168253	49.673	ug/l	97
64) Tetrachloroethene	10.60	164	144069	50.589	ug/l	98
65) Chlorobenzene	11.41	112	419979	47.306	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	160370	49.280	ug/l	98
67) Ethyl Benzene	11.48	91	797097	47.677	ug/l	100
68) m/p-Xylenes	11.59	106	583762	96.843	ug/l	98
69) o-Xylene	11.92	106	282276	49.158	ug/l	99
70) Styrene	11.94	104	487299	50.604	ug/l	99
71) Bromoform	12.10	173	121137	49.967	ug/l #	99
73) Isopropylbenzene	12.22	105	753625	47.290	ug/l	100
74) N-amyl acetate	12.05	43	359399	47.642	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	237821	48.196	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	217367m	44.159	ug/l	
77) Bromobenzene	12.50	156	177202	49.432	ug/l	97
78) n-propylbenzene	12.57	91	873743	47.073	ug/l	100
79) 2-Chlorotoluene	12.65	91	535011	48.084	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	632135	47.569	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	74850	41.690	ug/l	98
82) 4-Chlorotoluene	12.75	91	557369	47.411	ug/l	99
83) tert-Butylbenzene	12.97	119	519476	47.363	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	645635	48.099	ug/l	100
85) sec-Butylbenzene	13.14	105	674473	45.941	ug/l	99
86) p-Isopropyltoluene	13.26	119	598310	46.205	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	317529	47.790	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	322363	47.720	ug/l	100
89) n-Butylbenzene	13.59	91	528034	44.240	ug/l	98
90) Hexachloroethane	13.85	117	112229	45.516	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	315226	48.324	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	56362	47.967	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	170603	44.362	ug/l	99
94) Hexachlorobutadiene	14.98	225	76368	47.968	ug/l	99
95) Naphthalene	15.10	128	600029	47.227	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	170202	45.806	ug/l	99

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

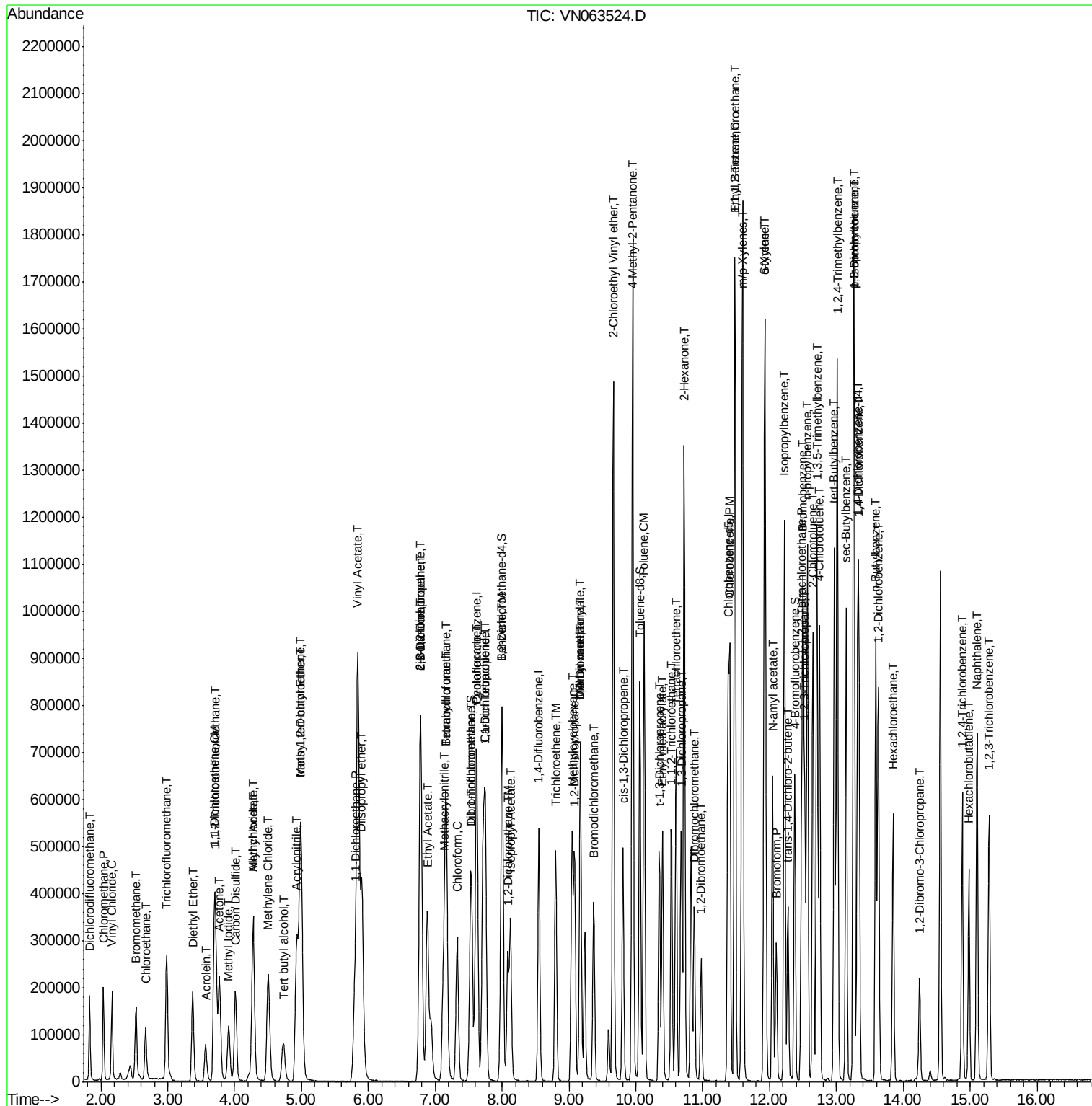
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Data File : VN063524.D
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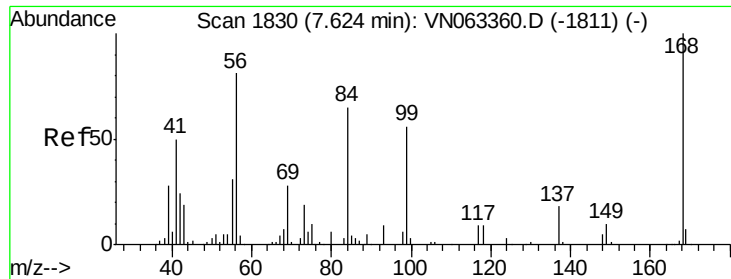
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 245672

Ion Ratio Lower Upper

168 100

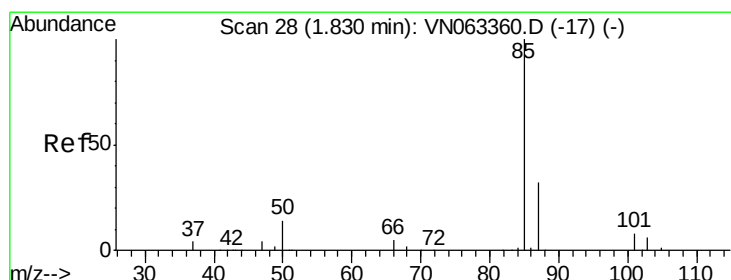
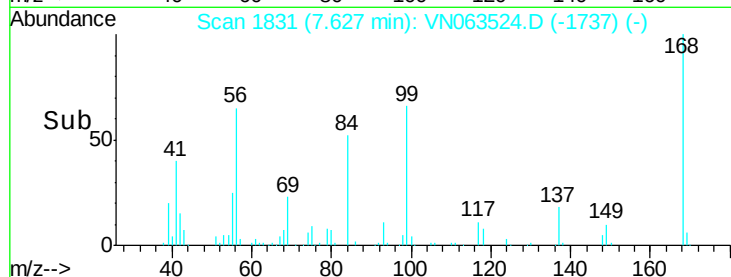
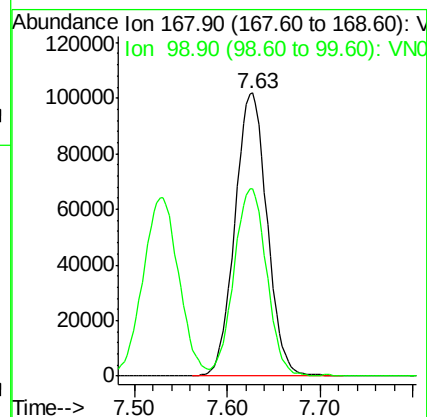
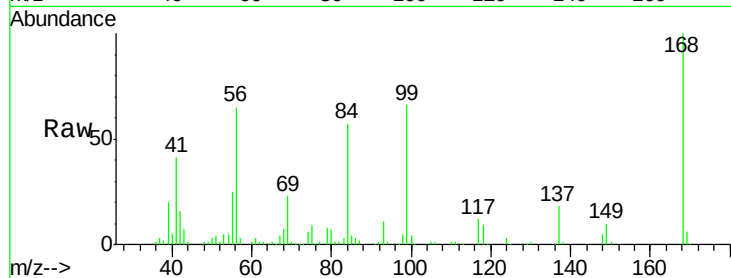
99 65.8 53.0 79.6

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 47.045 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063524.D

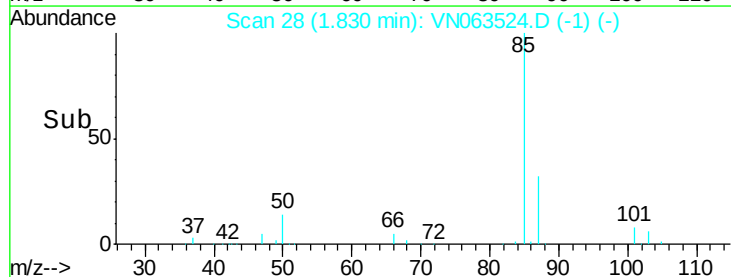
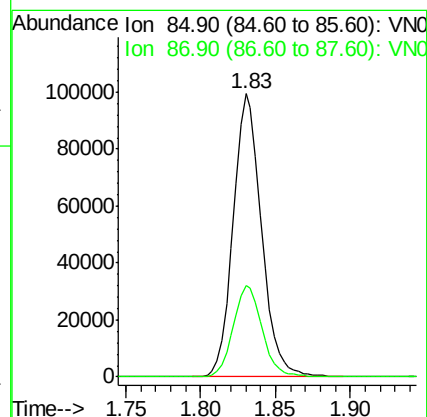
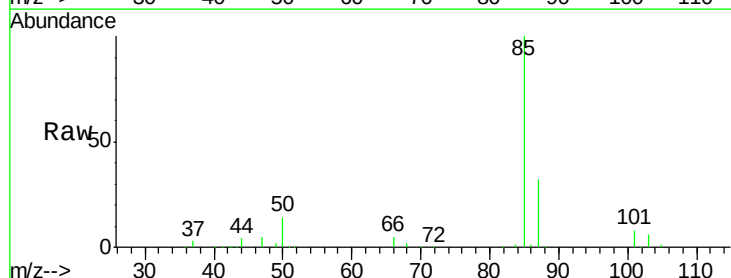
Acq: 22 Sep 2020 7:41

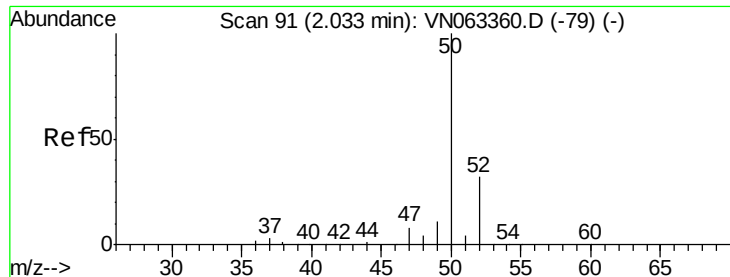
Tgt Ion: 85 Resp: 130938

Ion Ratio Lower Upper

85 100

87 32.3 15.9 47.6





#3

Chloromethane

Concen: 44.723 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 50 Resp: 164666

Ion Ratio Lower Upper

50 100

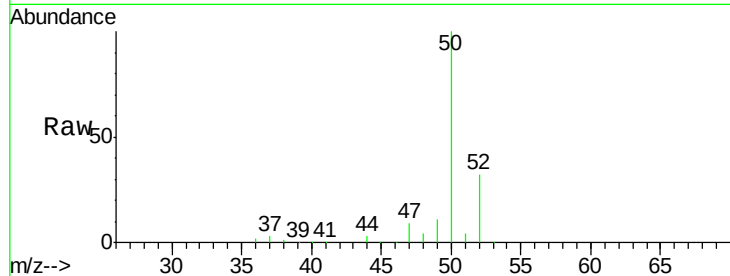
52 32.0 25.9 38.9

Manual Integrations

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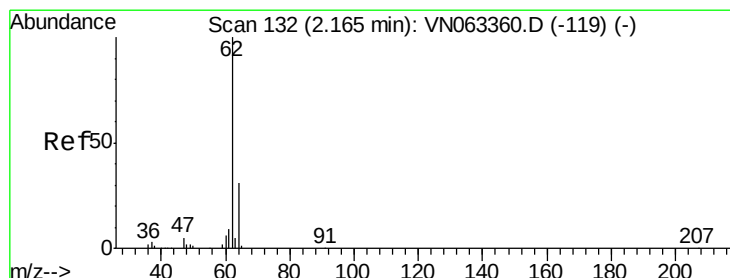
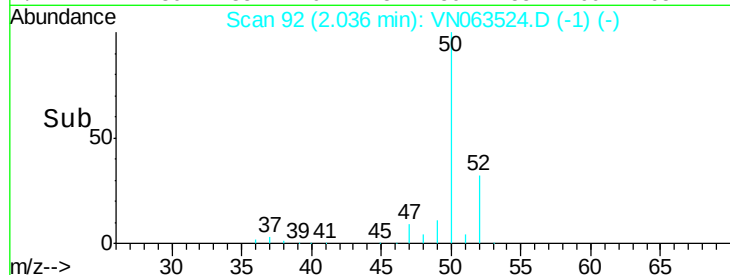
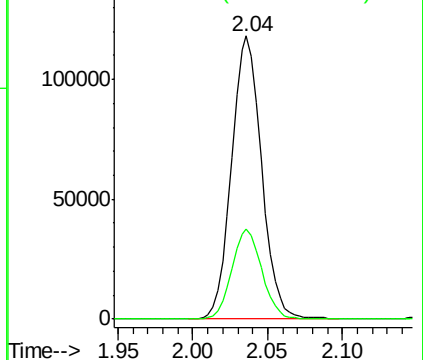
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 50.440 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063524.D

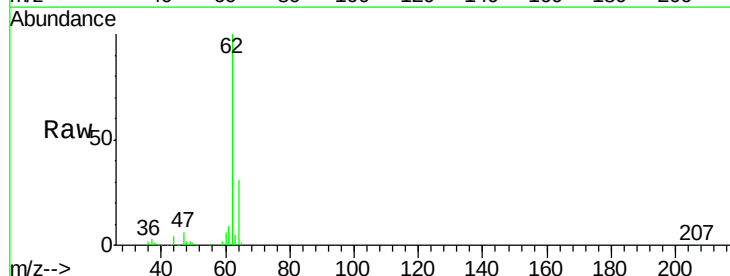
Acq: 22 Sep 2020 7:41

Tgt Ion: 62 Resp: 164543

Ion Ratio Lower Upper

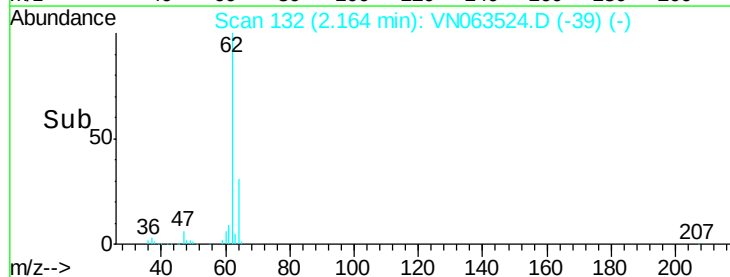
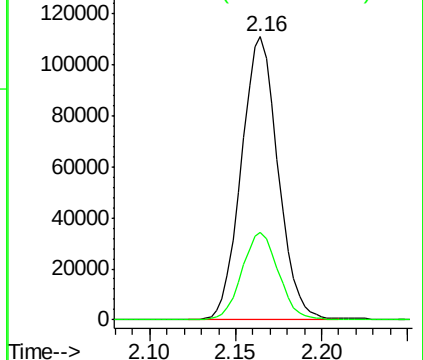
62 100

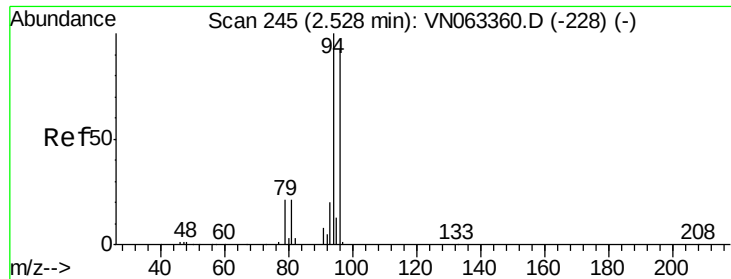
64 30.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 53.339 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 103310

Ion Ratio Lower Upper

94 100

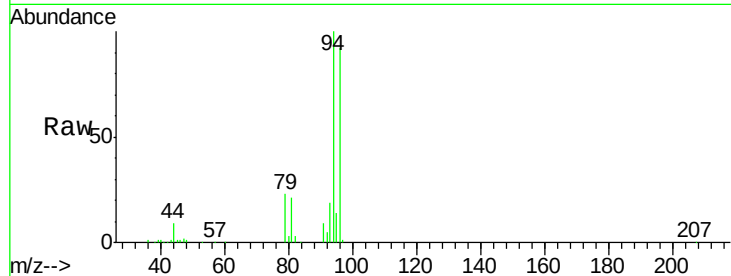
96 91.6 74.5 111.7

Manual Integrations

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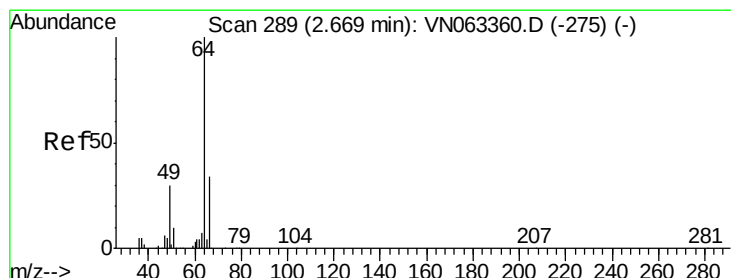
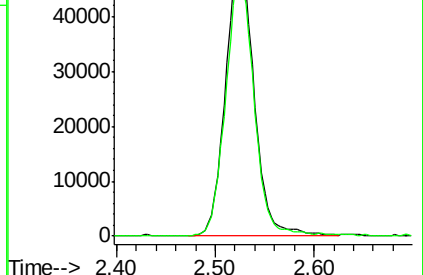
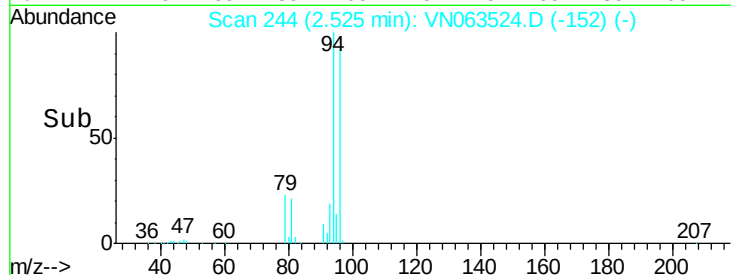


Abundance Ion 93.90 (93.60 to 94.60): VN063360.D (-228) (-)

Ion 95.90 (95.60 to 96.60): VN063360.D (-228) (-)

2.52

Time-->



#6

Chloroethane

Concen: 49.521 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063524.D

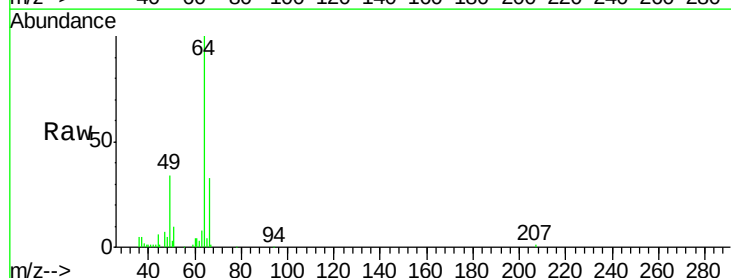
Acq: 22 Sep 2020 7:41

Tgt Ion: 64 Resp: 99162

Ion Ratio Lower Upper

64 100

66 33.0 26.9 40.3

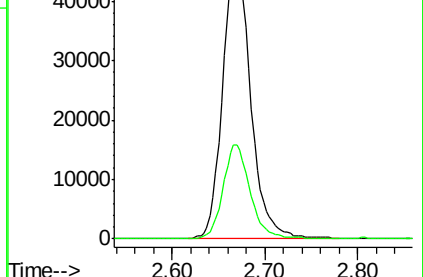
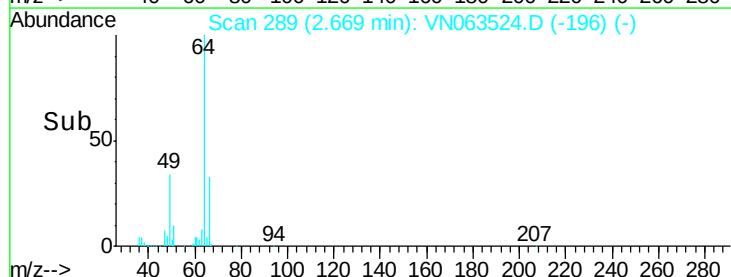


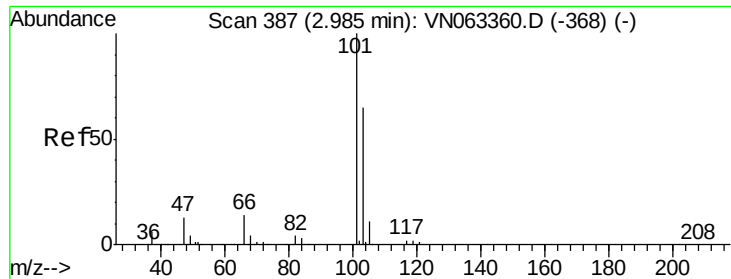
Abundance Ion 63.90 (63.60 to 64.60): VN063360.D (-275) (-)

Ion 65.90 (65.60 to 66.60): VN063360.D (-275) (-)

2.67

Time-->





#7

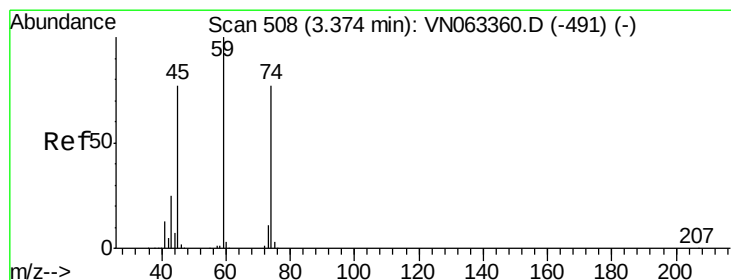
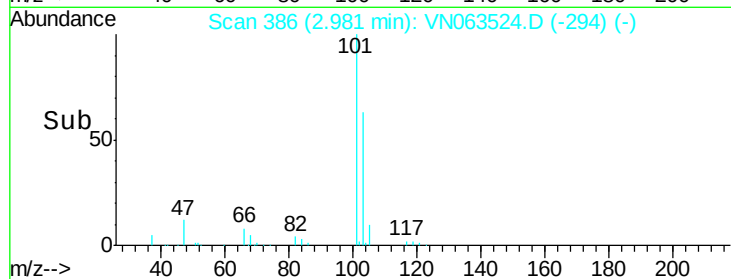
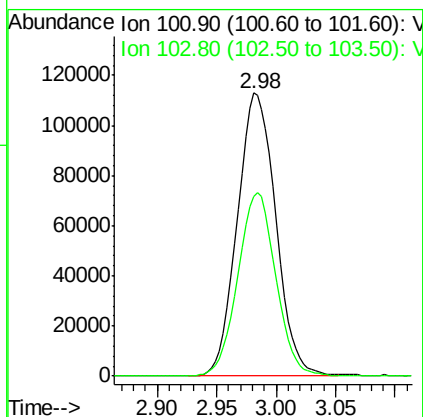
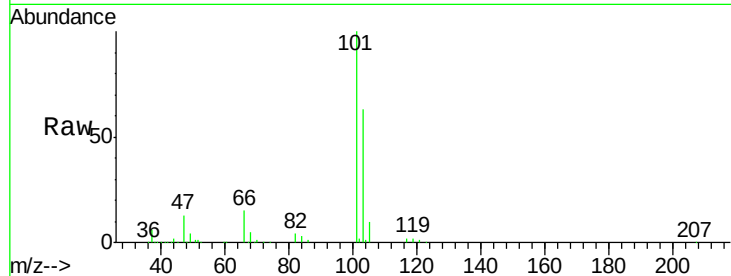
Trichlorofluoromethane
 Concen: 52.100 ug/l
 RT: 2.98 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	52.3	78.5

Manual Integrations
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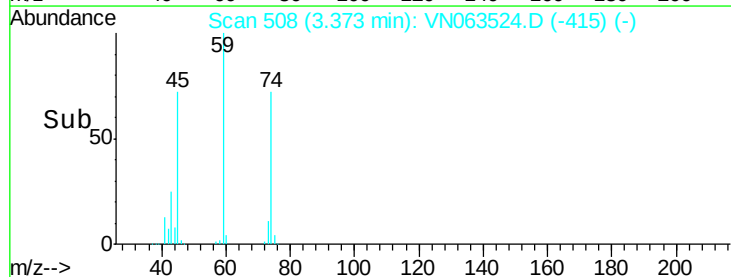
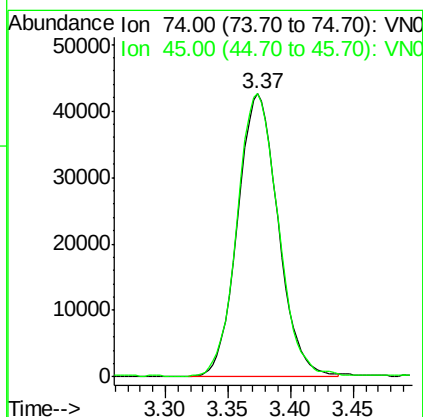
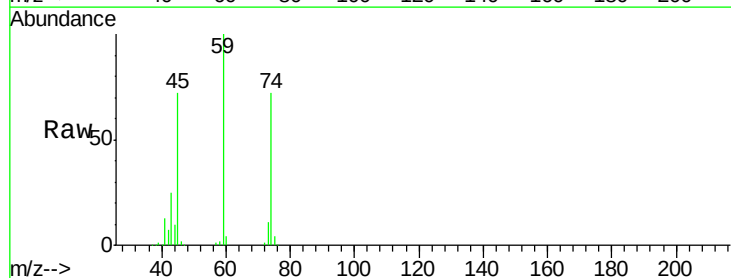
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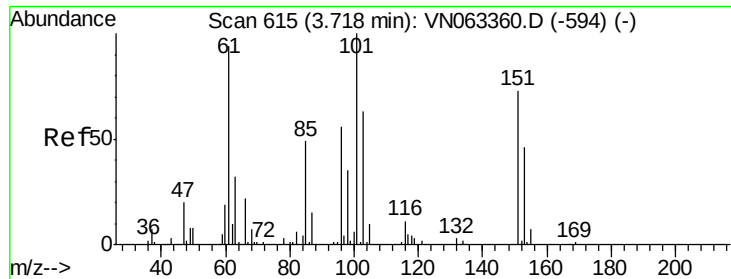


#8

Diethyl Ether
 Concen: 50.453 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.7	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.175 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

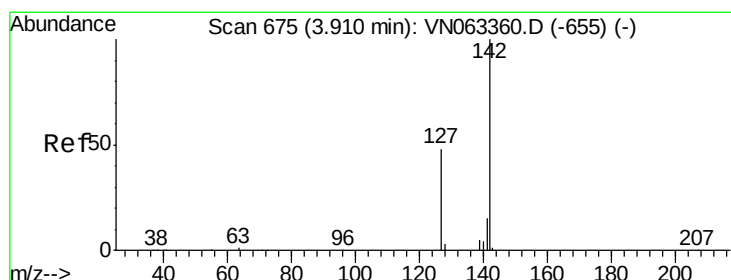
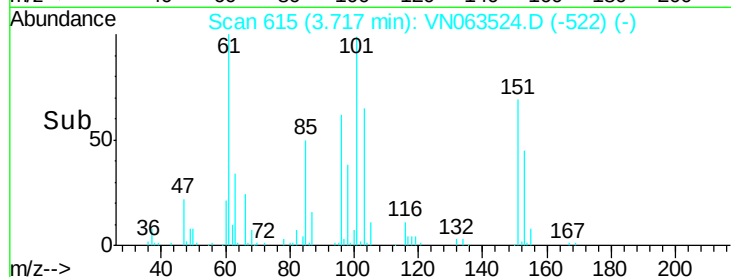
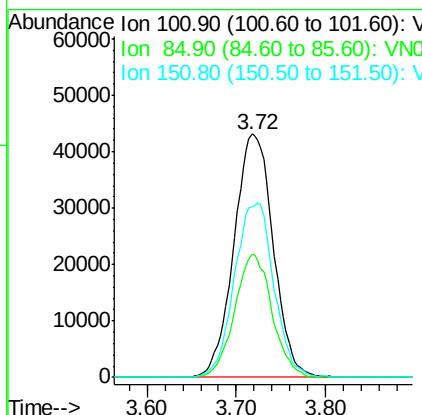
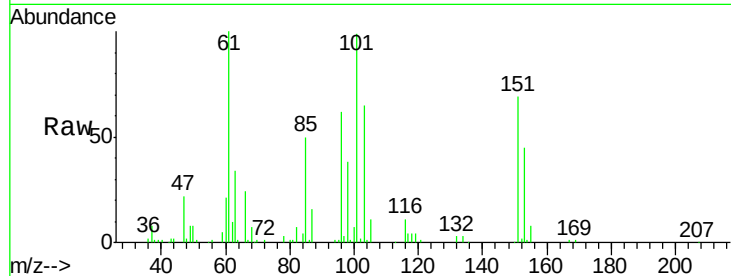
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	131862
Ion Ratio	Lower	Upper	
101	100		
85	48.1	37.7	56.5
151	71.8	57.7	86.5

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#10

Methyl Iodide

Concen: 51.662 ug/l

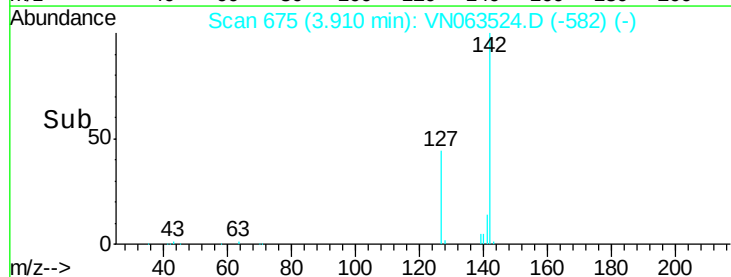
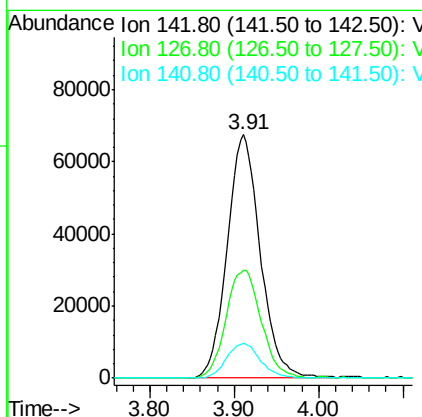
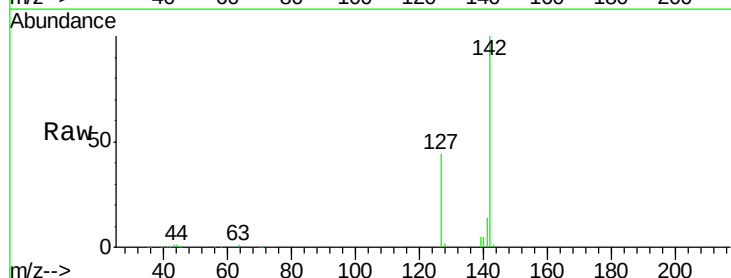
RT: 3.91 min Scan# 675

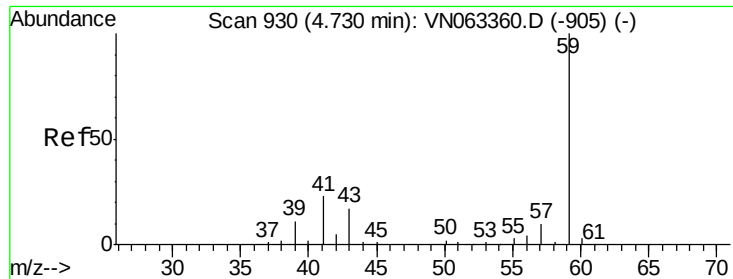
Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Tgt Ion:	142	Resp:	184102
Ion Ratio	Lower	Upper	
142	100		
127	47.1	39.0	58.6
141	14.6	11.6	17.4





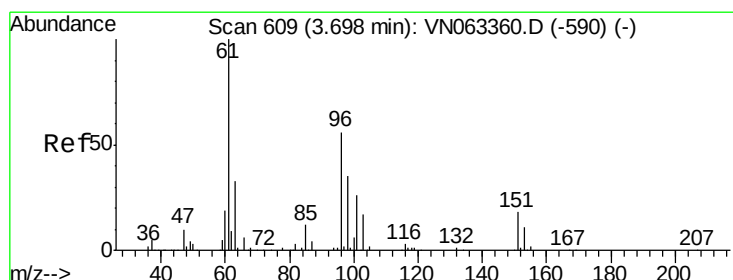
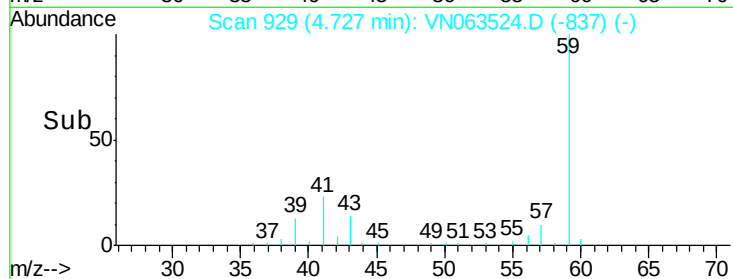
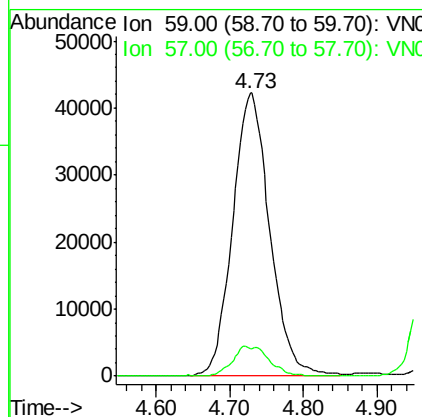
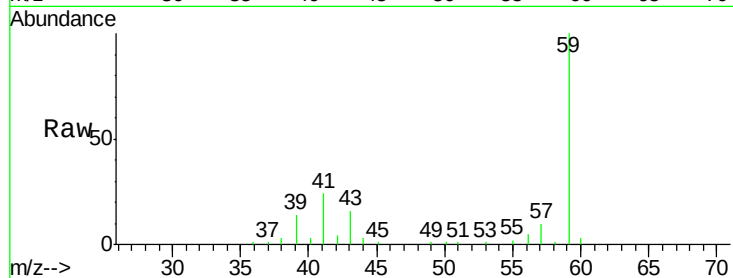
#11
Tert butyl alcohol
Concen: 255.428 ug/l
RT: 4.73 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 147983
Ion Ratio Lower Upper
59 100
57 5.0 8.4 12.6#

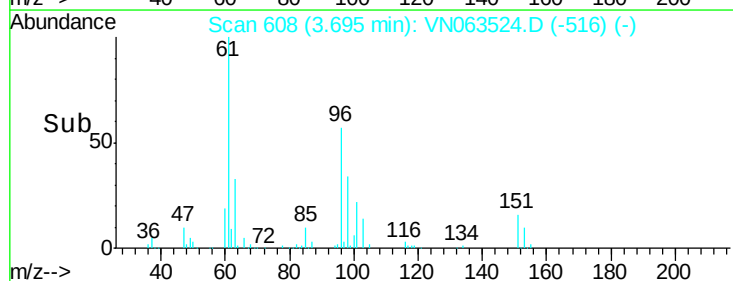
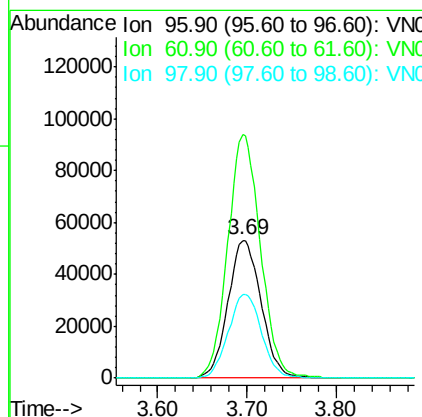
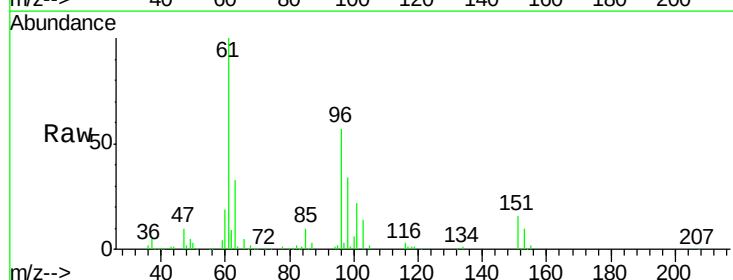
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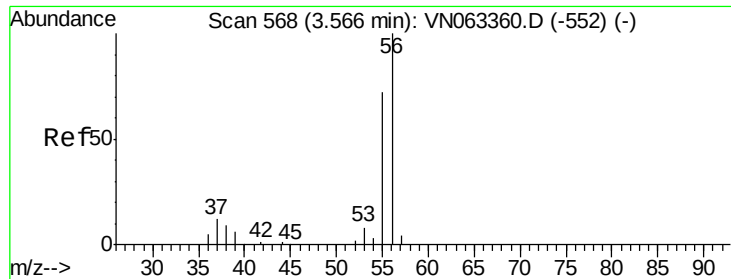
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#12
1,1-Dichloroethene
Concen: 49.411 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion: 96 Resp: 136985
Ion Ratio Lower Upper
96 100
61 176.4 143.4 215.2
98 60.3 50.6 76.0





#13

Acrolein

Concen: 410.666 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 88170

Ion Ratio Lower Upper

56 100

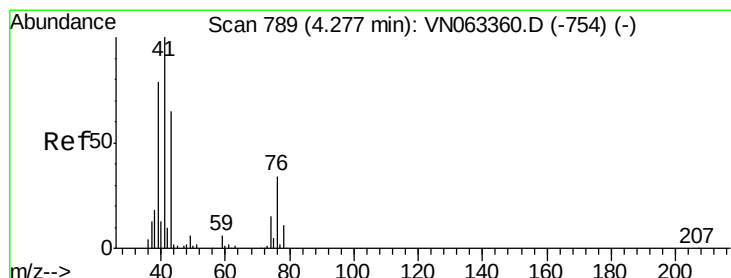
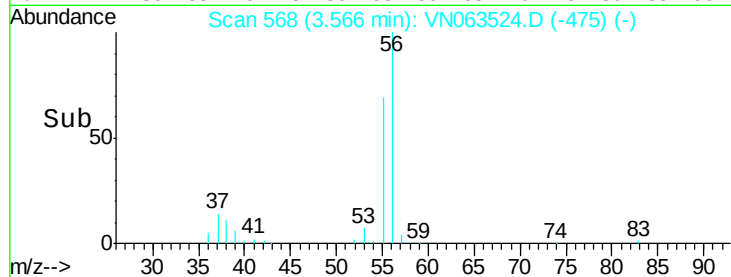
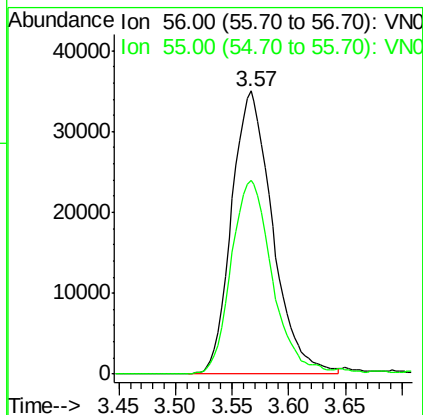
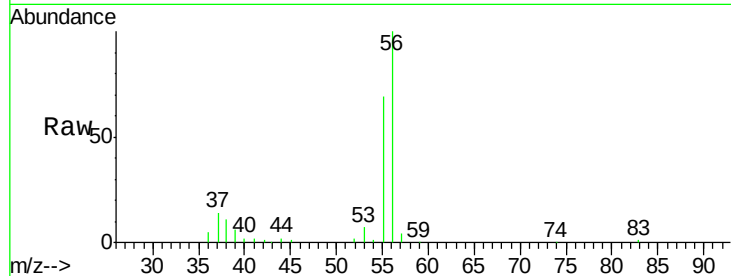
55 68.5 58.2 87.2

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#14

Allyl chloride

Concen: 46.423 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

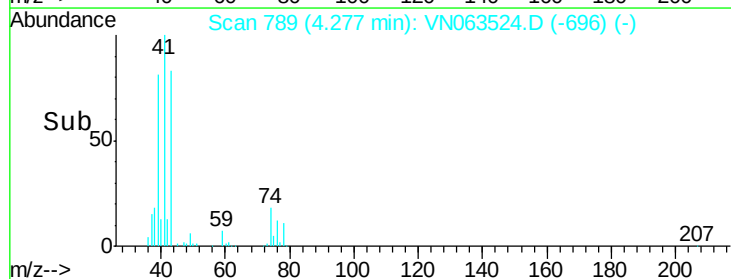
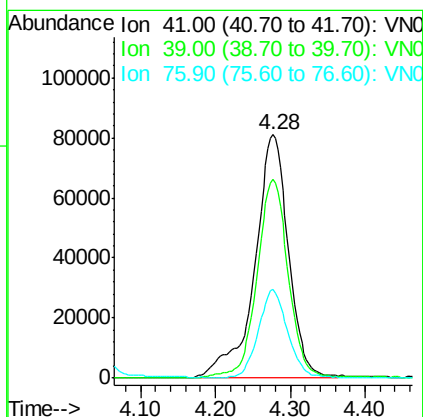
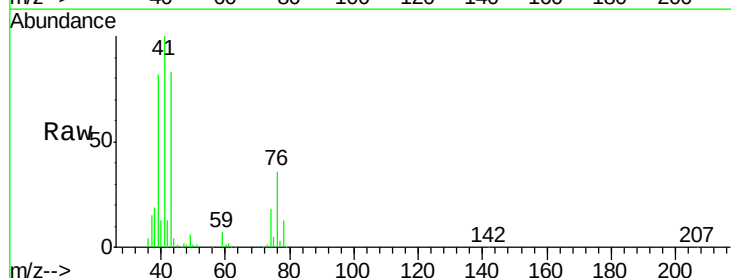
Tgt Ion: 41 Resp: 254578

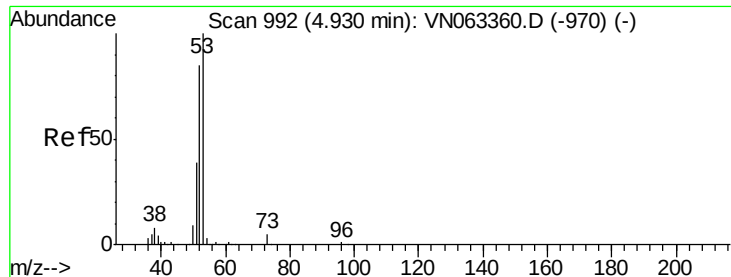
Ion Ratio Lower Upper

41 100

39 75.2 59.3 88.9

76 31.7 25.3 37.9





#15

Acrylonitrile

Concen: 265.484 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

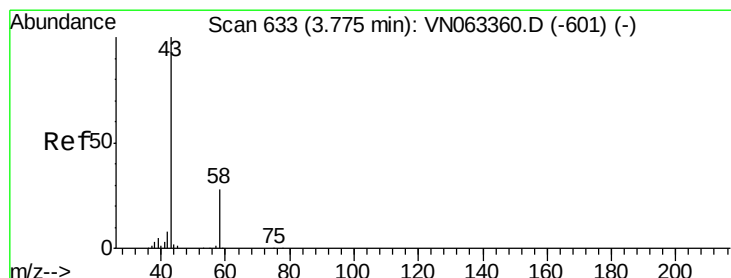
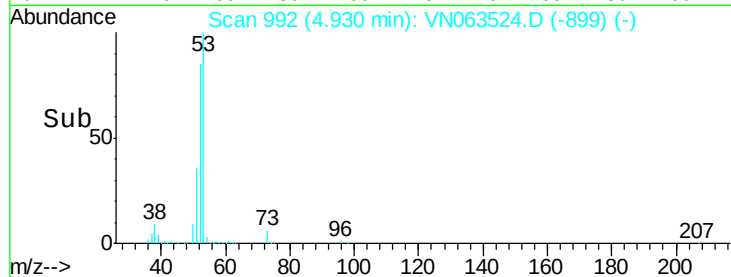
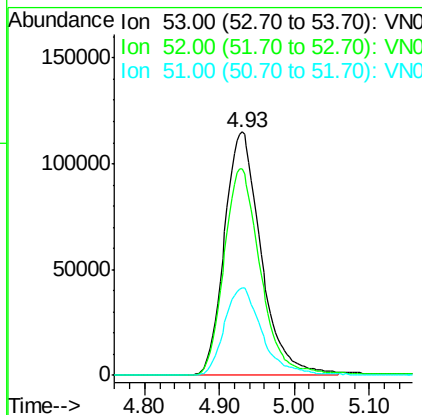
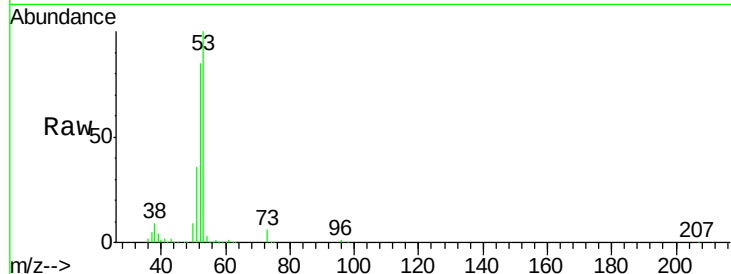
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	391239
Ion Ratio		Lower	Upper
53	100		
52	84.1	66.4	99.6
51	37.2	30.2	45.4

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#16

Acetone

Concen: 267.908 ug/l

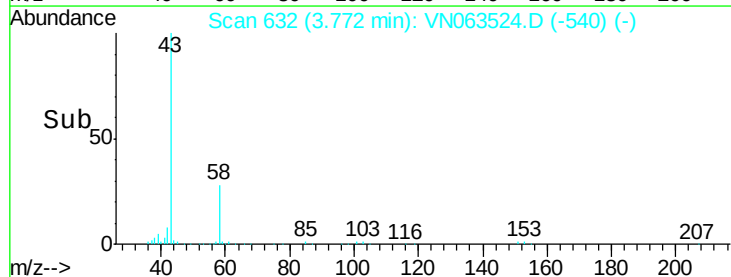
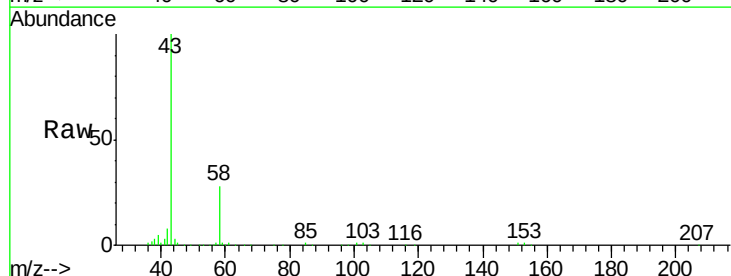
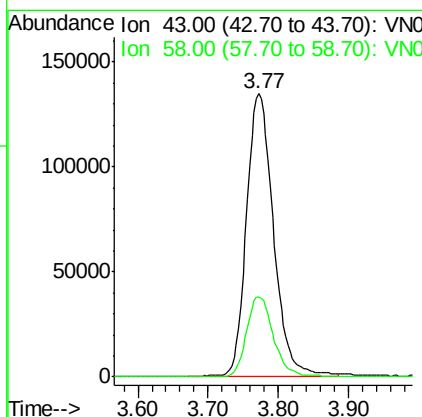
RT: 3.77 min Scan# 632

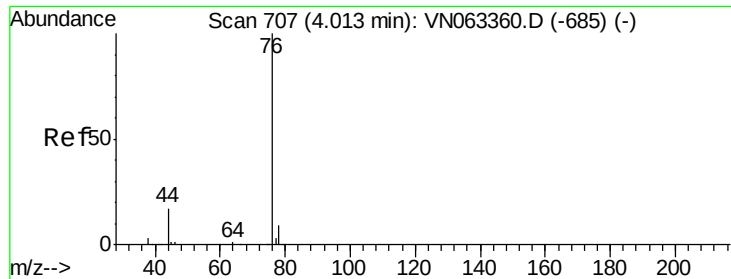
Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Tgt Ion:	43	Resp:	360074
Ion Ratio		Lower	Upper
43	100		
58	28.0	22.3	33.5





#17

Carbon Disulfide

Concen: 45.519 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 367070

Ion Ratio Lower Upper

76 100

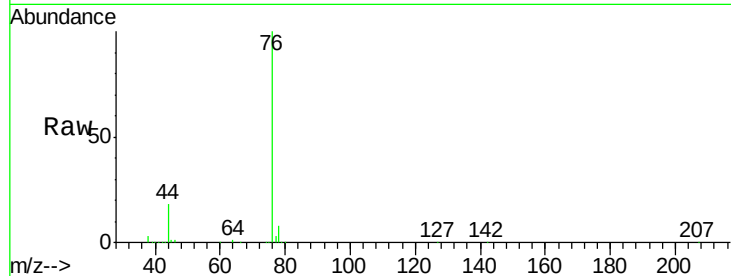
78 8.2 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

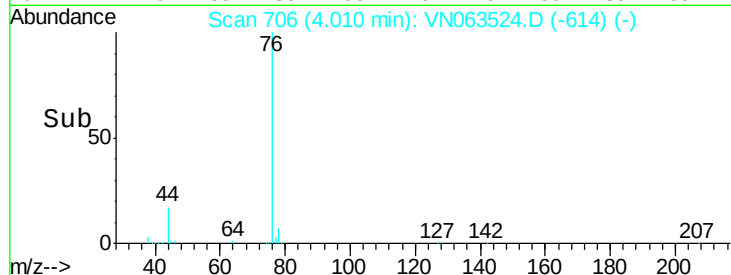
150000

100000

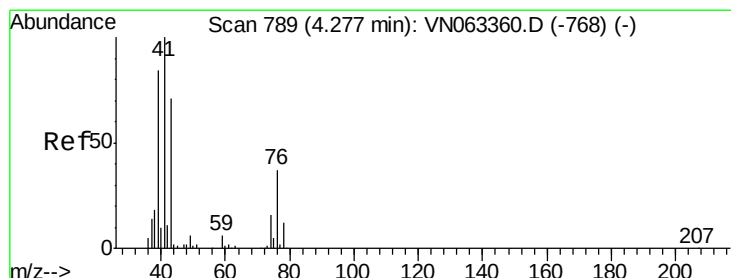
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 54.370 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063524.D

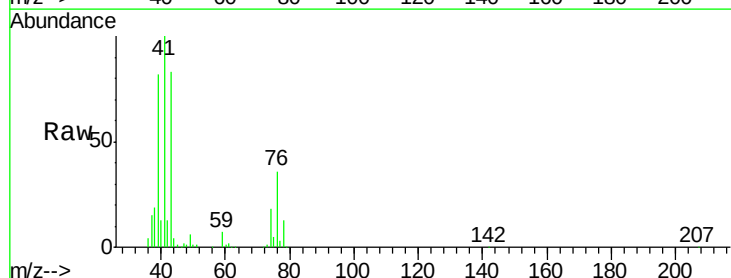
Acq: 22 Sep 2020 7:41

Tgt Ion: 43 Resp: 185510

Ion Ratio Lower Upper

43 100

74 22.9 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

80000

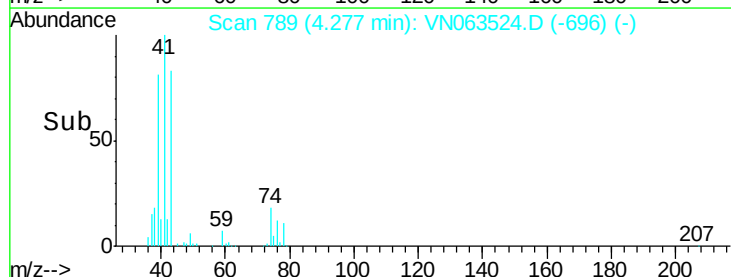
60000

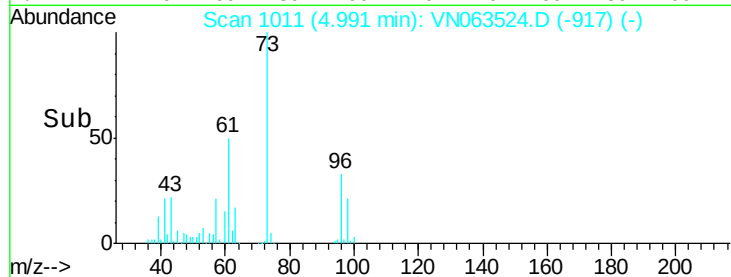
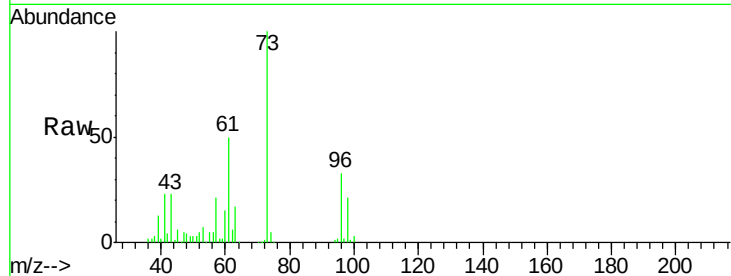
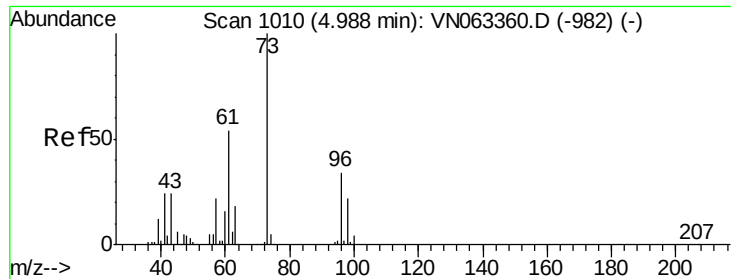
40000

20000

0

Time-->





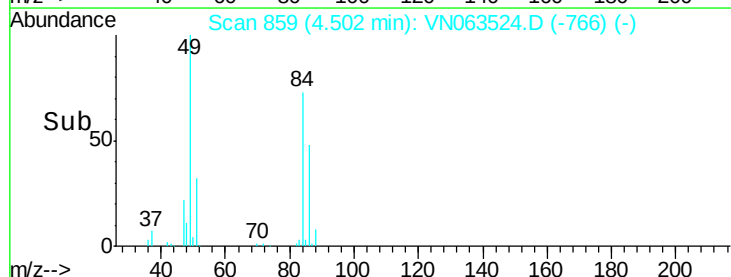
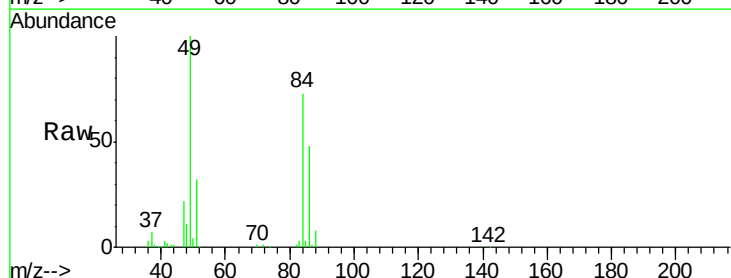
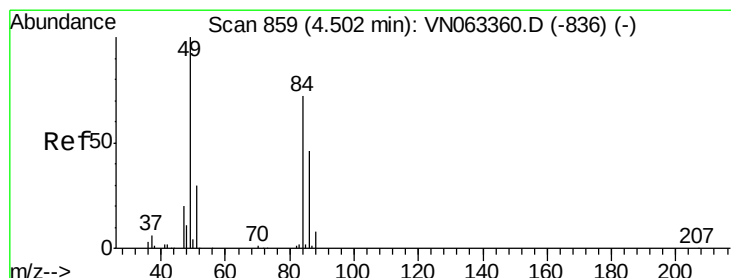
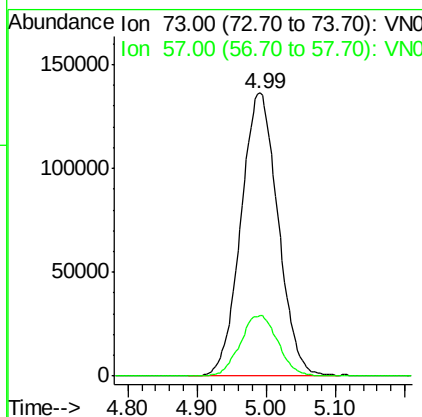
#19
Methyl tert-butyl Ether
Concen: 49.146 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tot Ion: 73 Resp: 507810
Ion Ratio Lower Upper
73 100
57 21.3 17.9 26.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

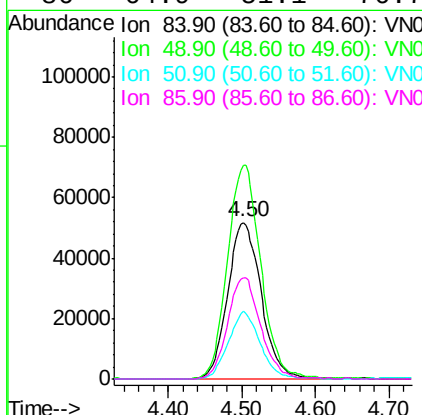
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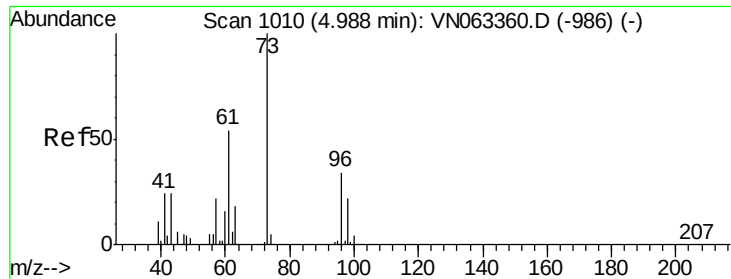
MMDadoda
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#20
Methylene Chloride
Concen: 48.118 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion: 84 Resp: 163852
Ion Ratio Lower Upper
84 100
49 136.4 110.7 166.1
51 43.0 32.9 49.3
86 64.9 51.1 76.7





#21

trans-1,2-Dichloroethene

Concen: 47.370 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

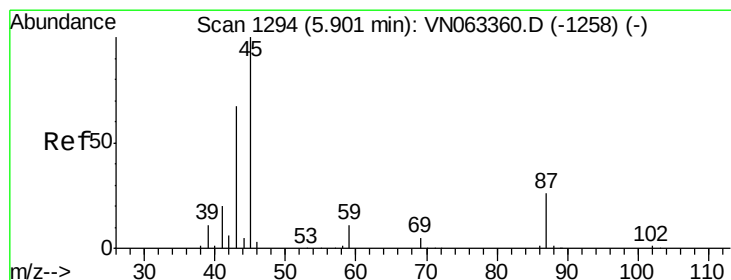
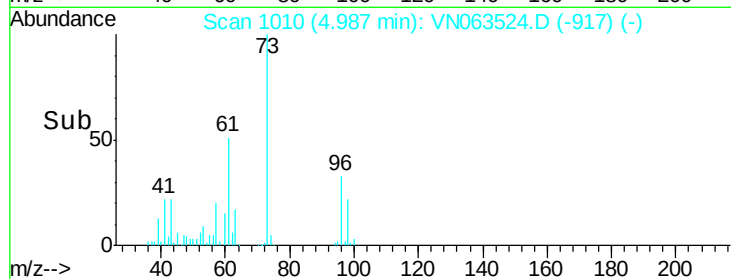
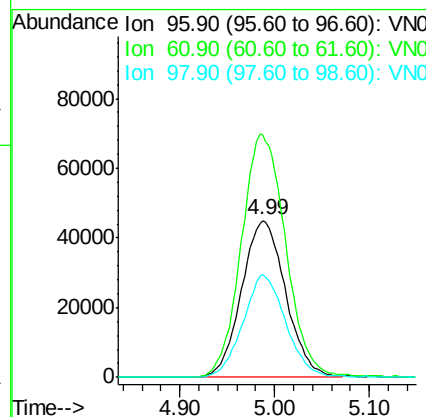
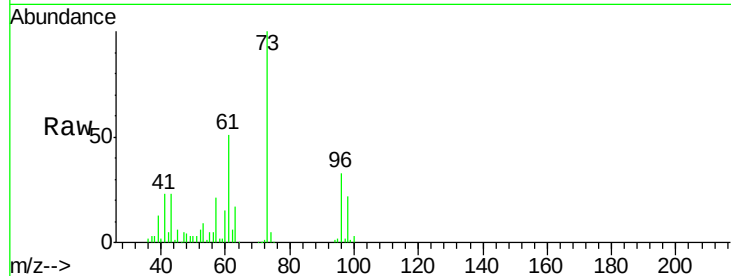
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	145502
Ion	Ratio	Lower	Upper
96	100		
61	154.8	126.2	189.4
98	65.5	51.0	76.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.174 ug/l

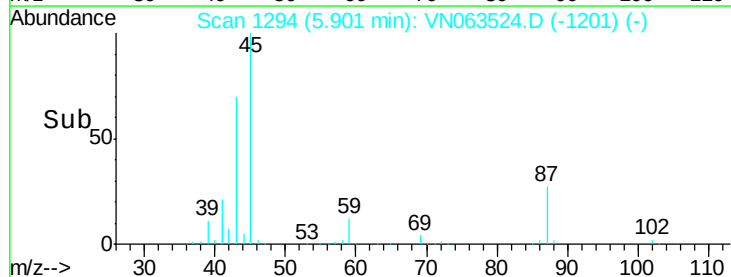
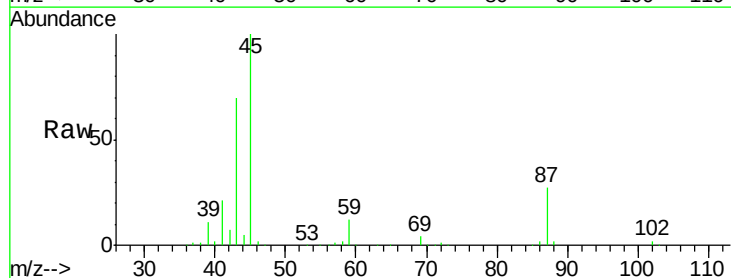
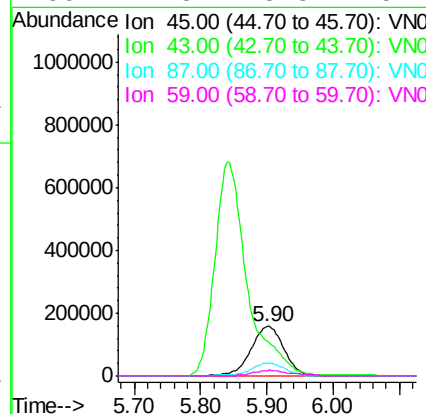
RT: 5.90 min Scan# 1294

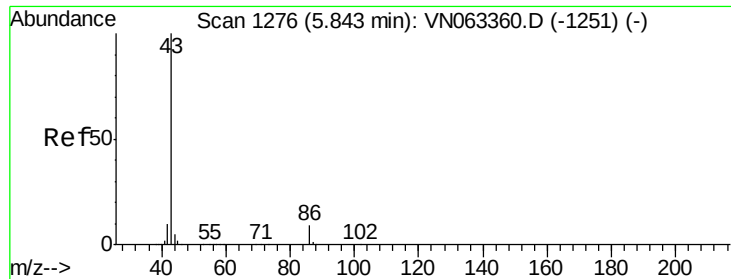
Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Tgt Ion:	45	Resp:	549966
Ion	Ratio	Lower	Upper
45	100		
43	68.1	53.5	80.3
87	26.9	21.2	31.8
59	11.3	8.8	13.2





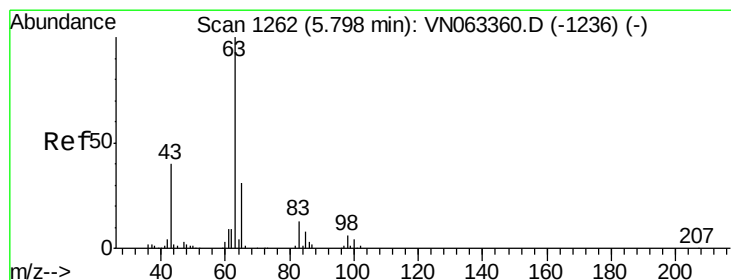
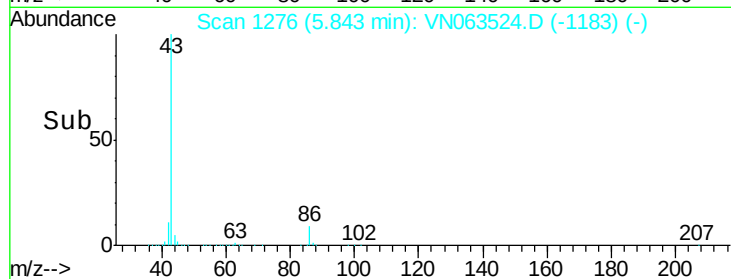
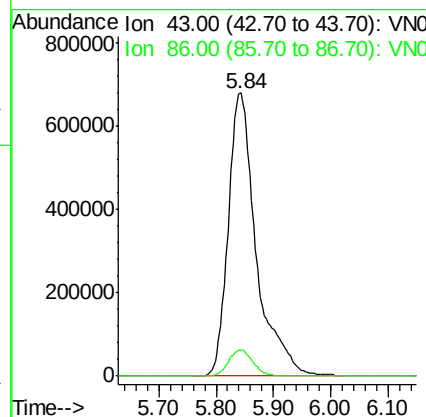
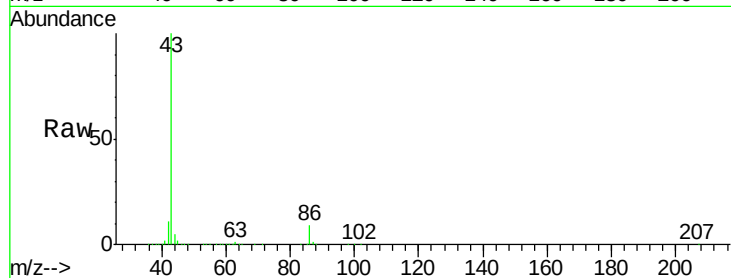
#23
 Vinyl Acetate
 Concen: 252.559 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.3	7.1	10.7

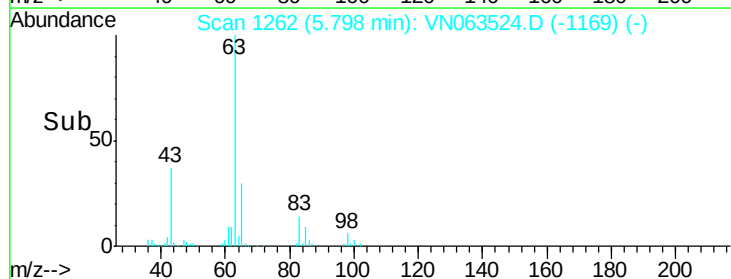
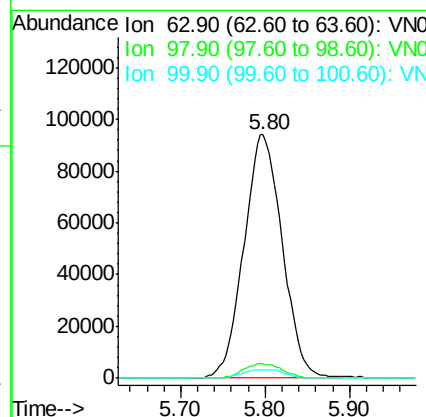
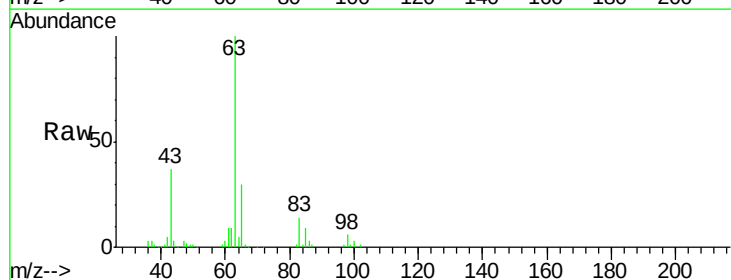
Manual Integrations
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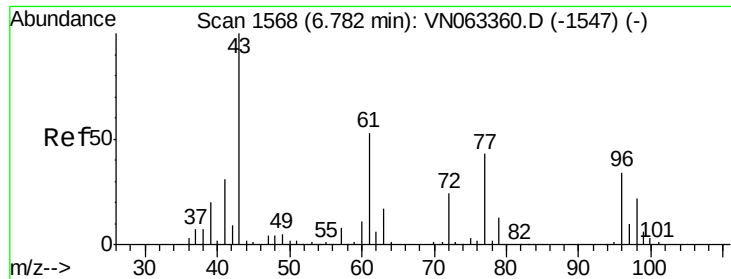
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#24
 1,1-Dichloroethane
 Concen: 48.694 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.9	8.8
100	3.4	2.1	6.3





#25

2-Butanone

Concen: 266.768 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 551430

Ion Ratio Lower Upper

43 100

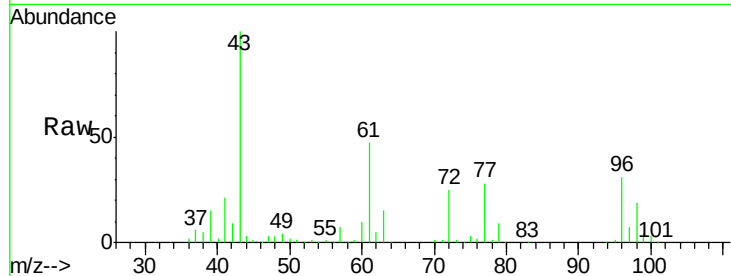
72 25.1 19.2 28.8

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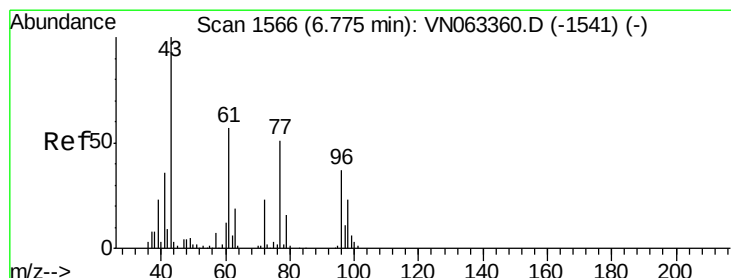
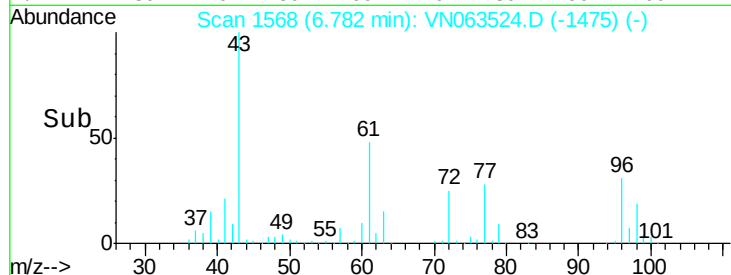
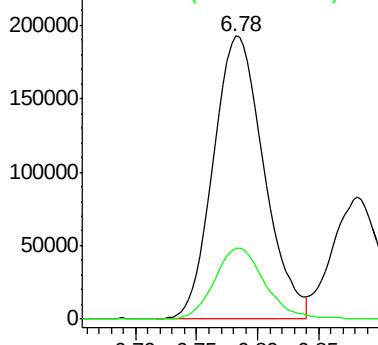
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 33.870 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063524.D

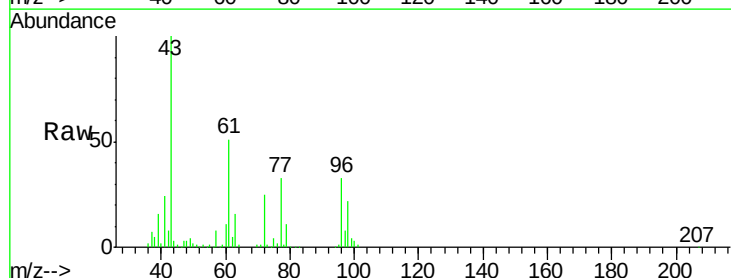
Acq: 22 Sep 2020 7:41

Tgt Ion: 77 Resp: 182084

Ion Ratio Lower Upper

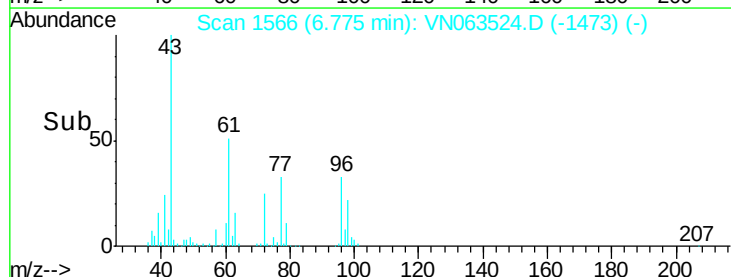
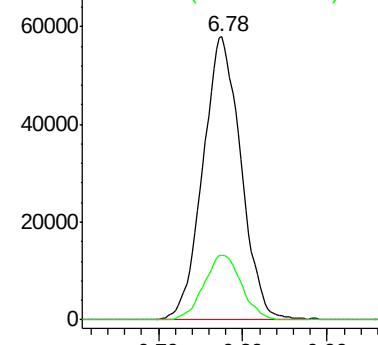
77 100

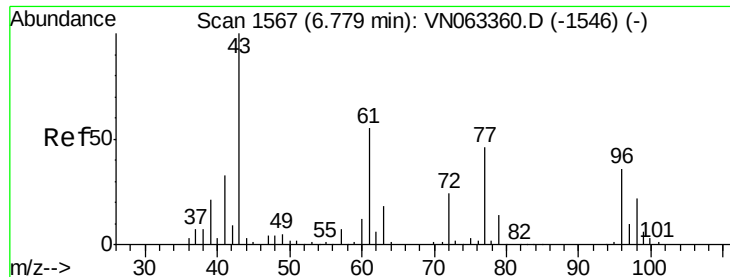
97 22.5 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 50.357 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

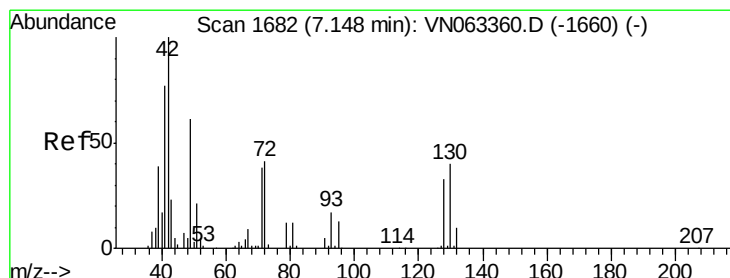
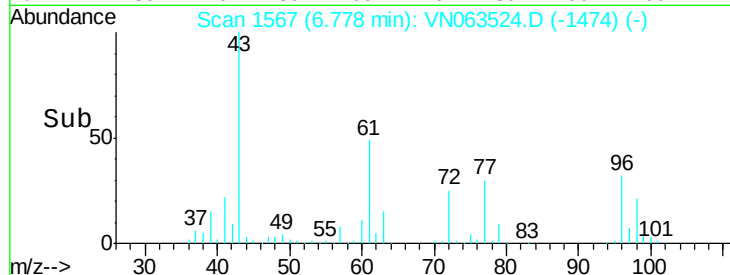
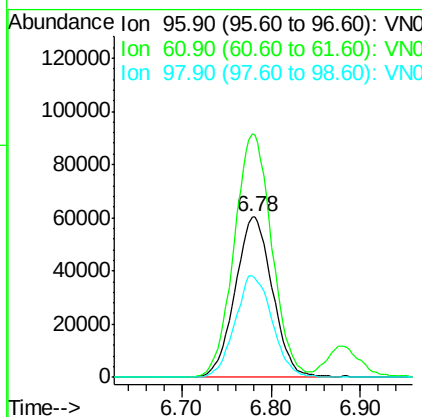
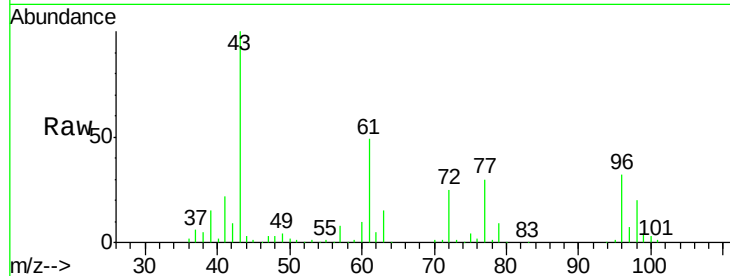
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	175072
Ion Ratio	Lower	Upper	
96	100		
61	152.7	0.0	319.6
98	63.0	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 51.620 ug/l

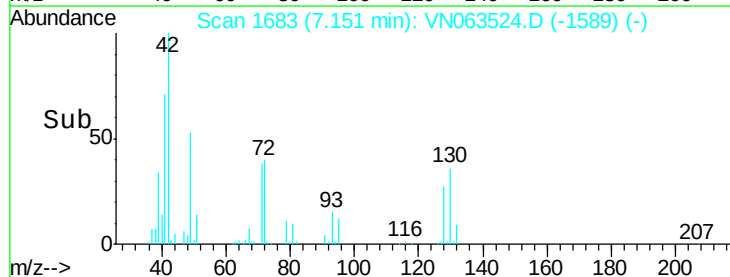
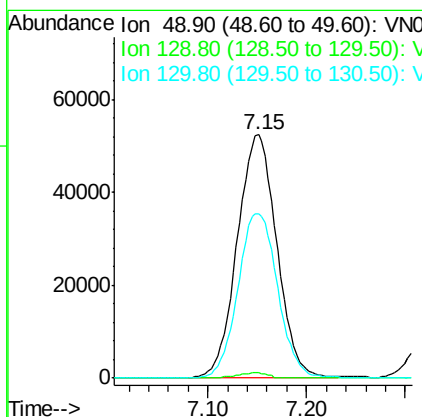
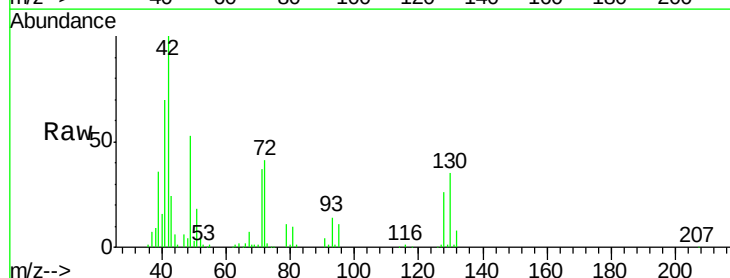
RT: 7.15 min Scan# 1683

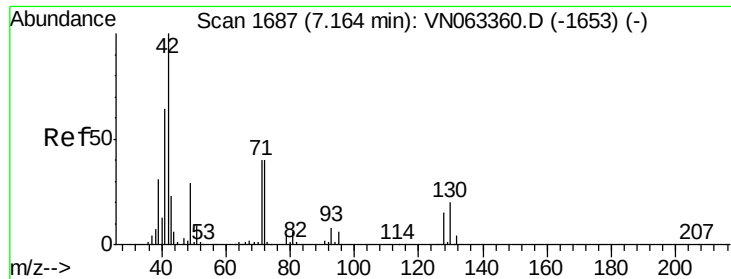
Delta R.T. 0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Tgt Ion:	49	Resp:	145533
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.8
130	68.2	52.2	78.2





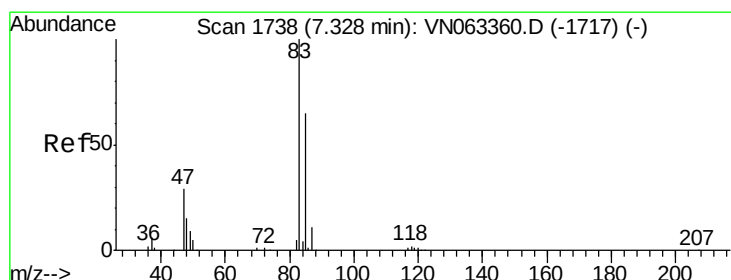
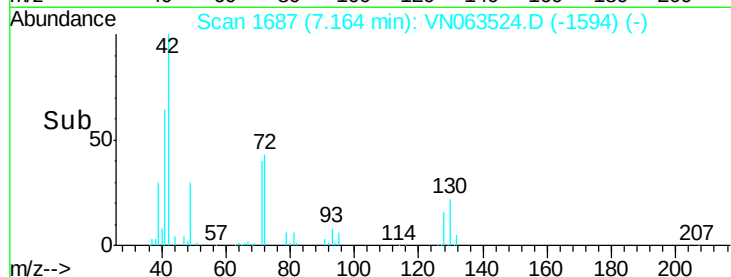
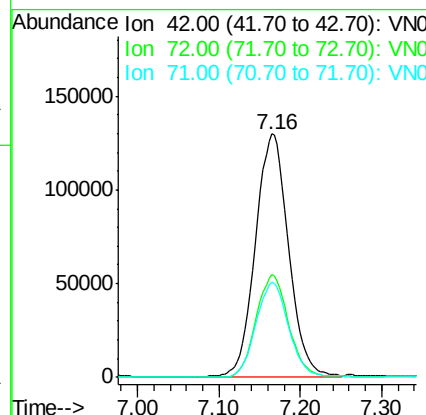
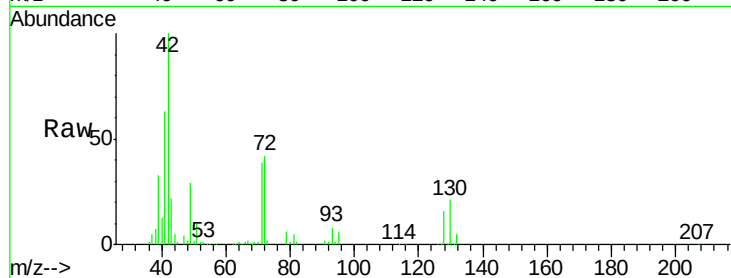
#29
Tetrahydrofuran
Concen: 258.427 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	32.1	48.1
71	38.6	31.2	46.8

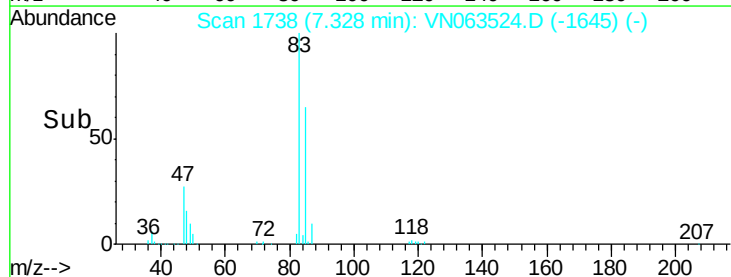
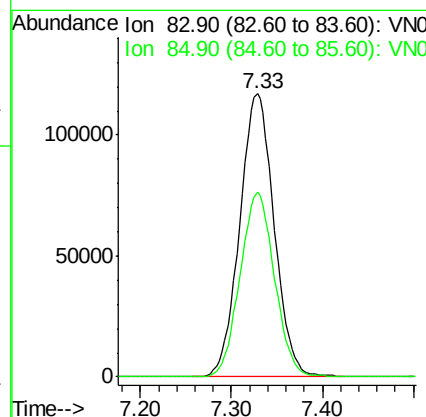
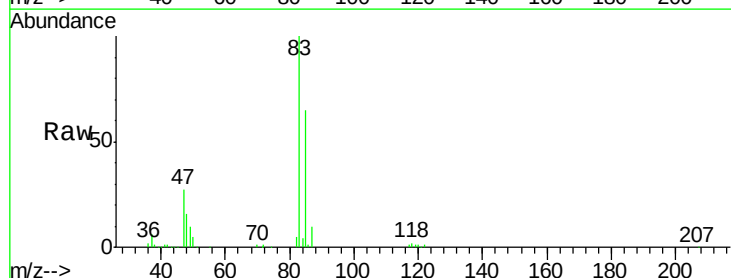
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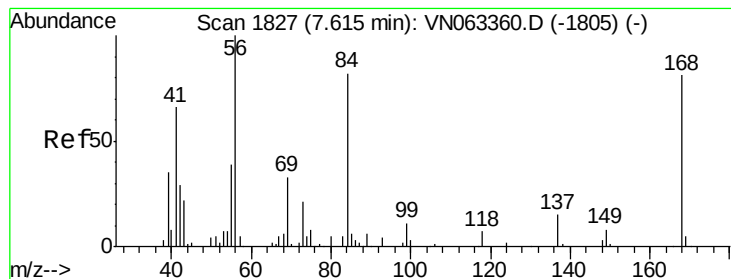
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#30
Chloroform
Concen: 50.199 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





#31

Cyclohexane

Concen: 42.933 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

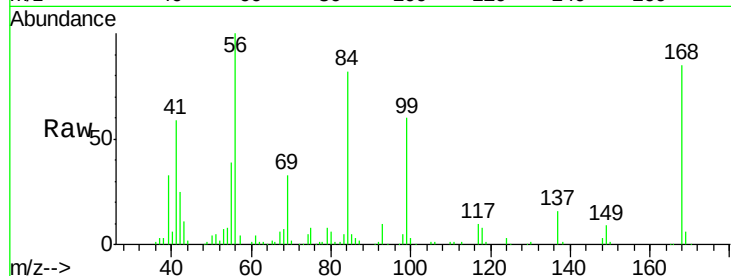
ClientSampled :

VSTDCCC050EC

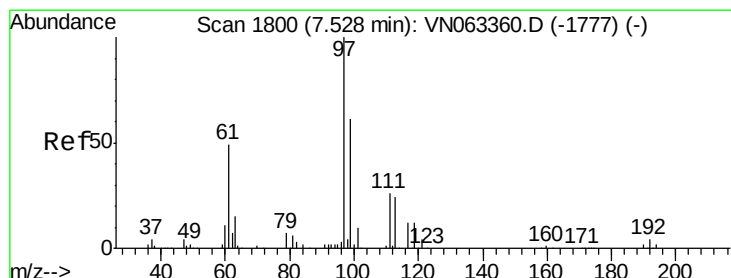
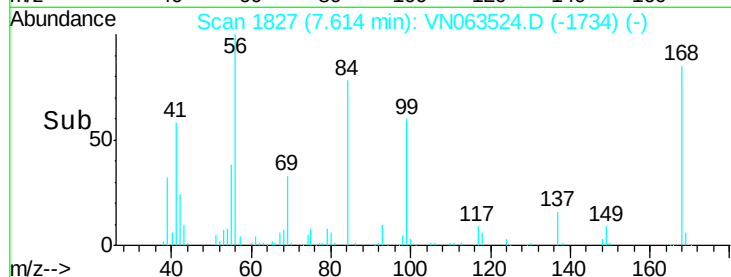
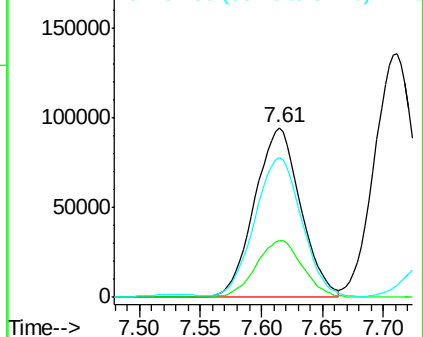
Tot Ion:	56	Resp:	247974
Ion Ratio	Lower	Upper	
56	100		
69	33.5	26.1	39.1
84	80.8	65.4	98.2

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 50.159 ug/l

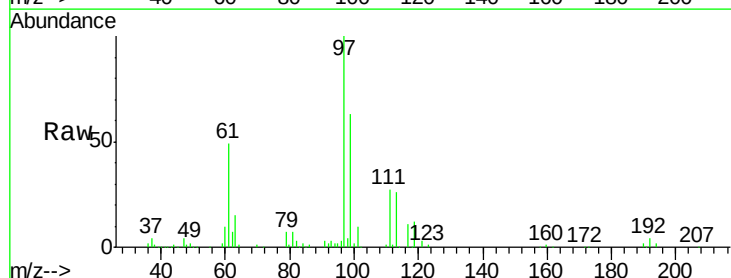
RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

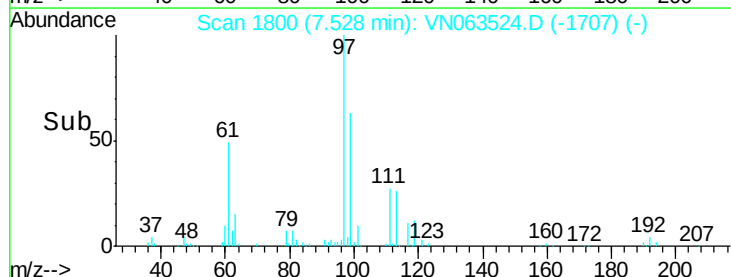
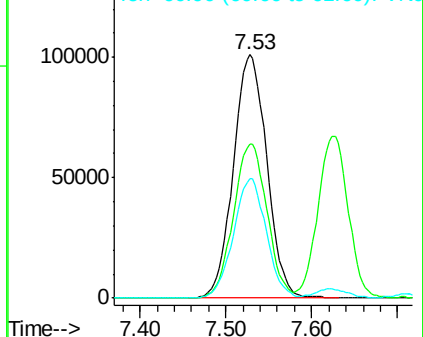
Lab File: VN063524.D

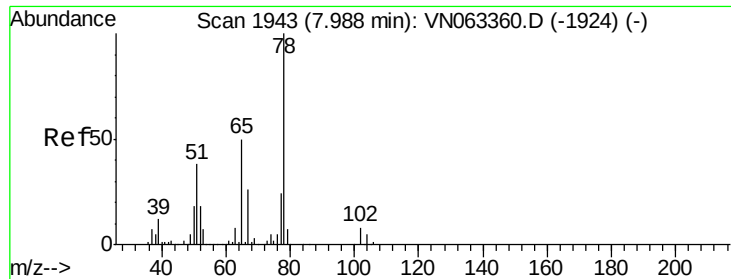
Acq: 22 Sep 2020 7:41

Tgt Ion:	97	Resp:	273303
Ion Ratio	Lower	Upper	
97	100		
99	63.4	50.6	76.0
61	48.3	39.2	58.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





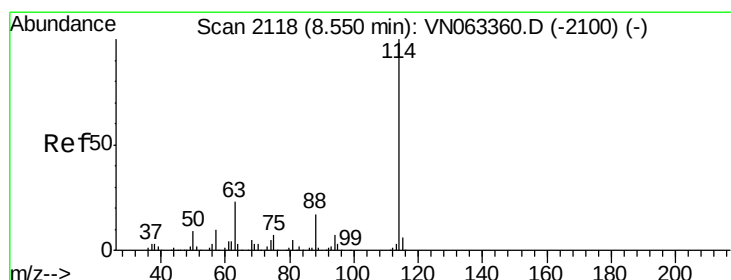
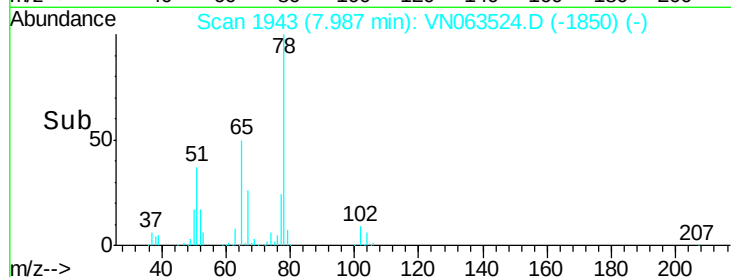
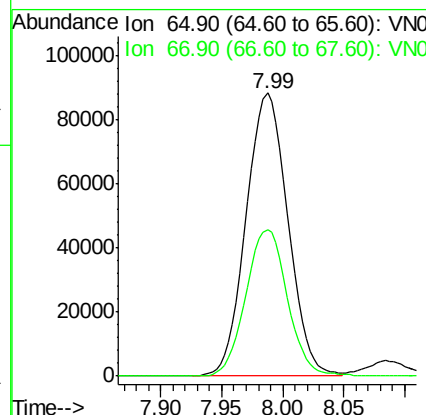
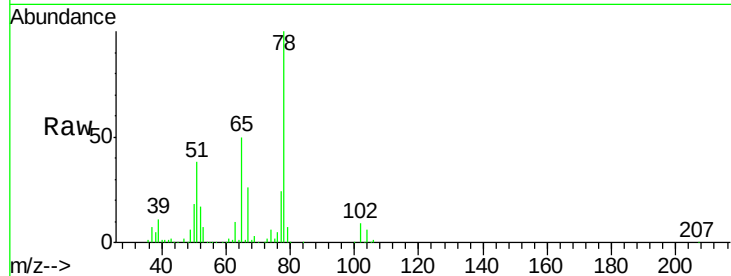
#33
 1,2-Dichloroethane-d4
 Concen: 50.113 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209572		
67	51.4	0.0	104.2	

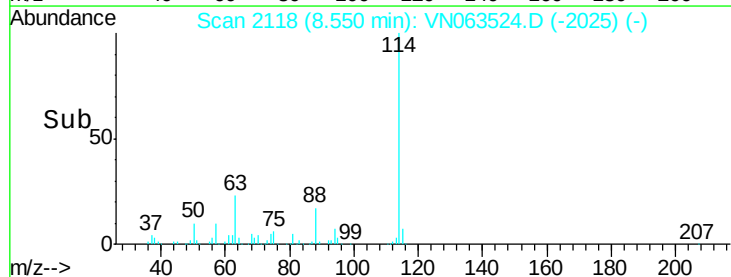
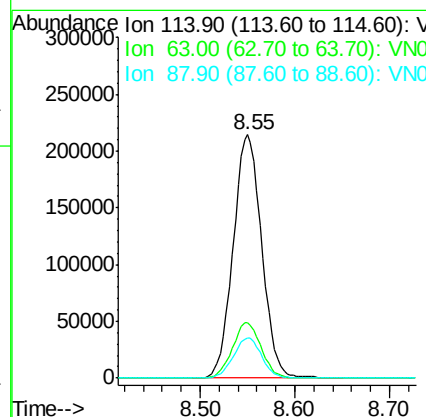
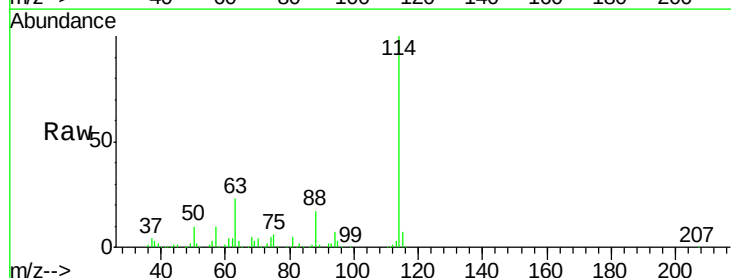
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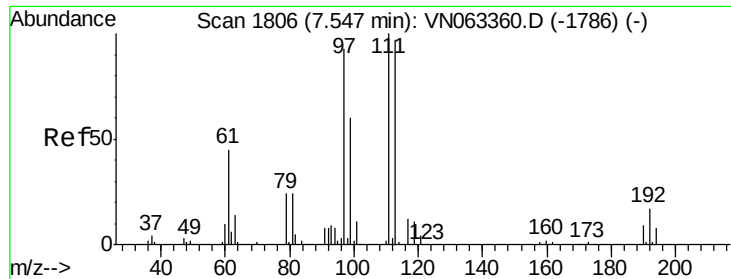
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	448903		
63	22.8	0.0	46.4	
88	16.5	0.0	33.2	





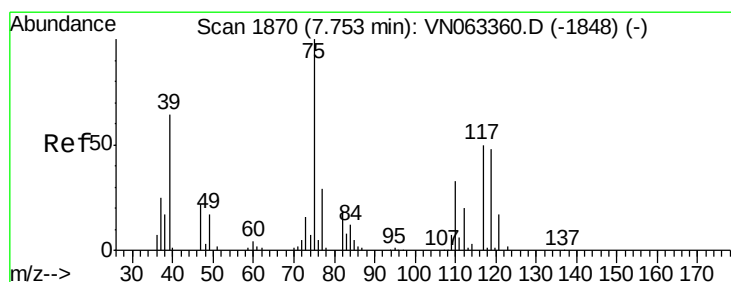
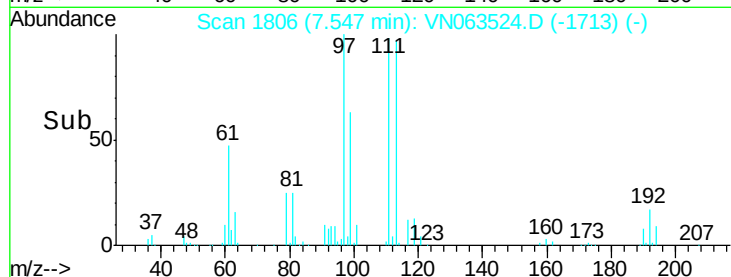
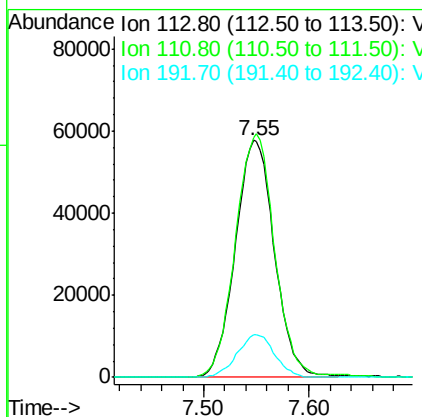
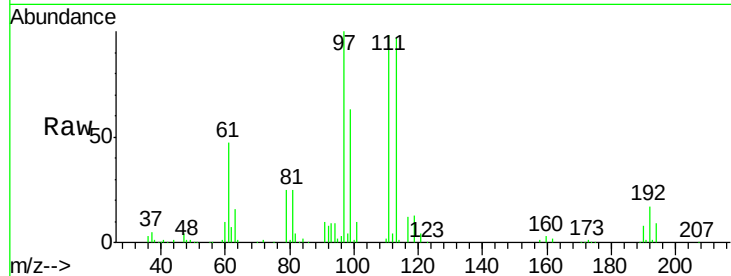
#35
 Dibromofluoromethane
 Concen: 47.865 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148747		
111	103.3	82.9	124.3	
192	17.2	13.9	20.9	

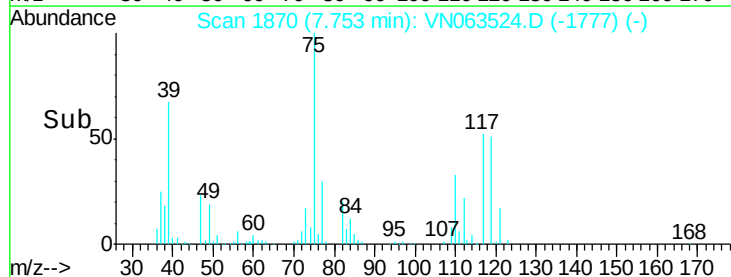
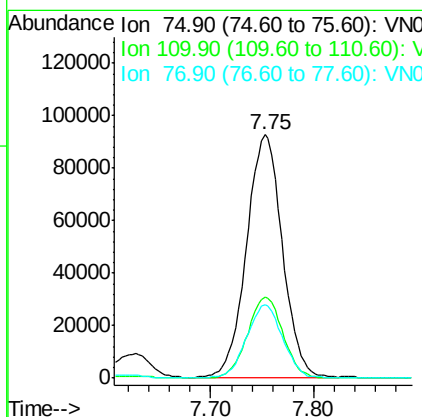
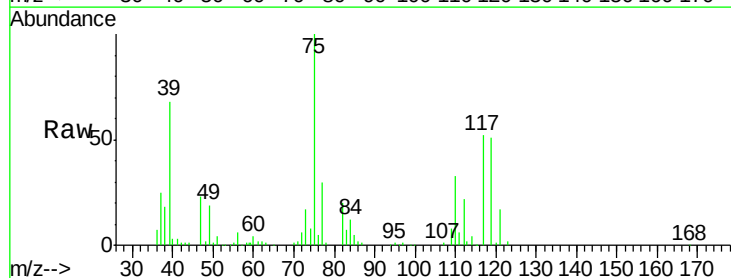
Manual Integrations
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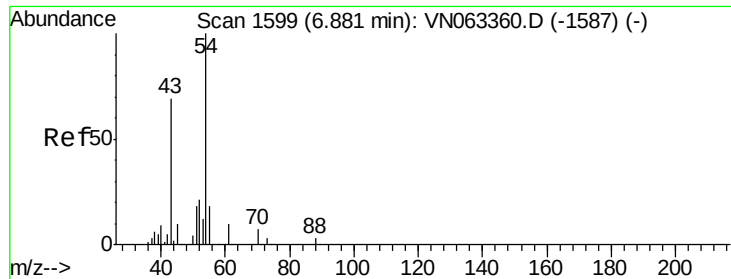
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 46.667 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	223182		
110	33.1	16.5	49.5	
77	30.5	24.6	36.8	





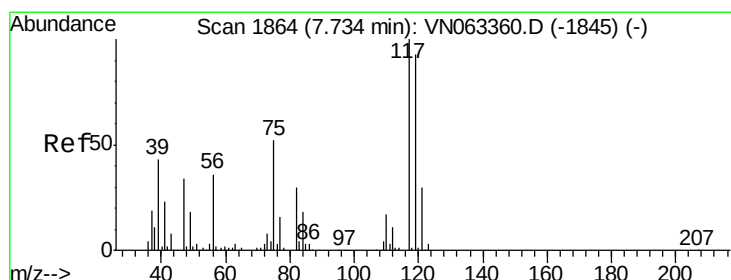
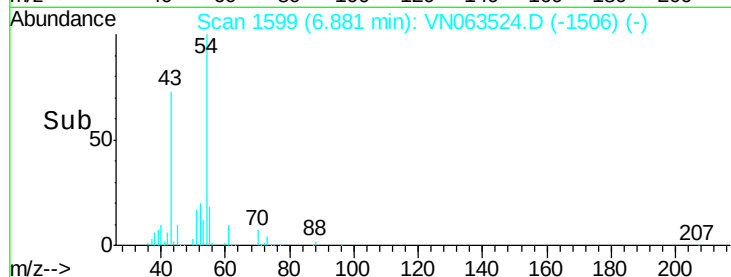
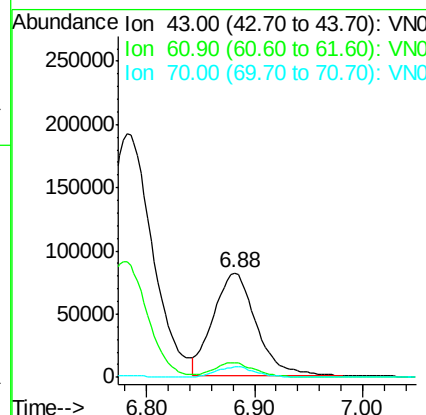
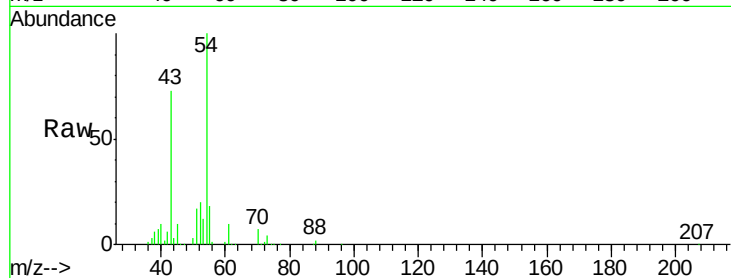
#37
Ethyl Acetate
Concen: 48.434 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.6	15.8
70	9.7	7.2	10.8

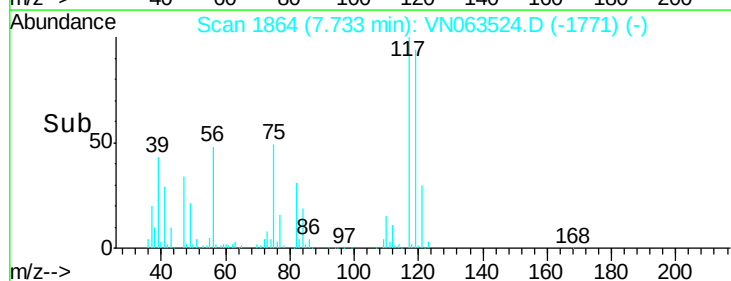
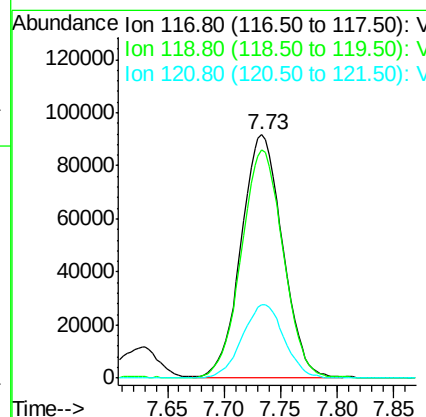
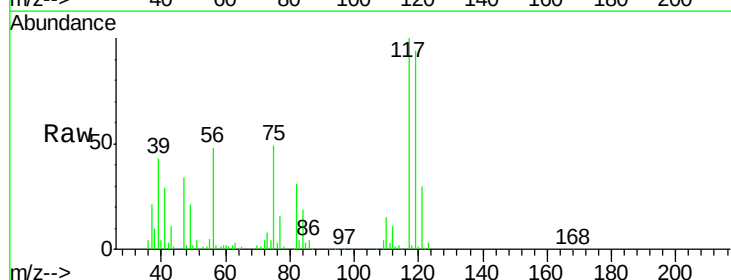
Manual Integrations
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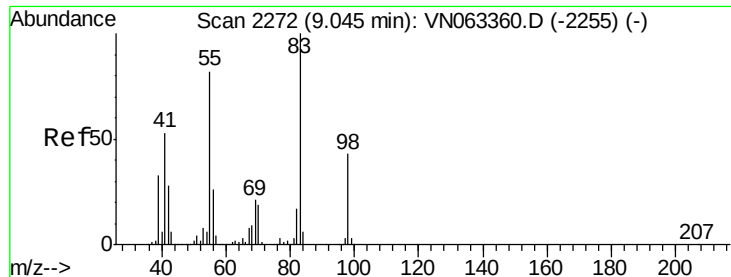
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#38
Carbon Tetrachloride
Concen: 47.492 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	74.5	111.7
121	30.2	24.1	36.1





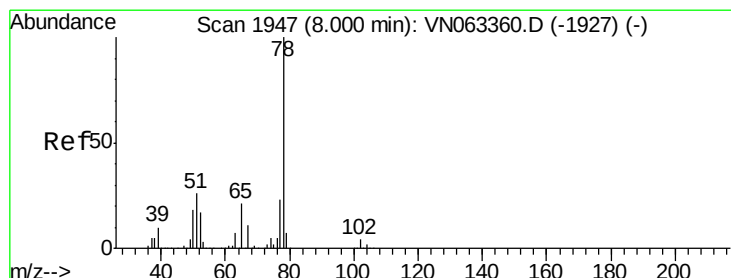
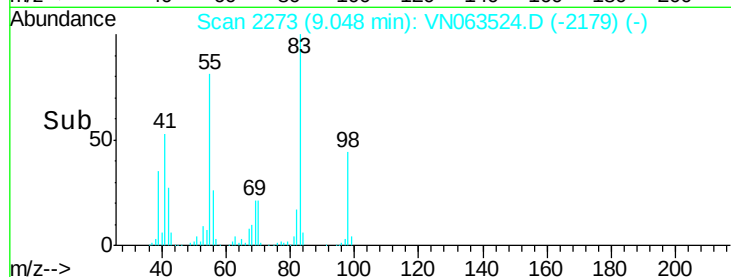
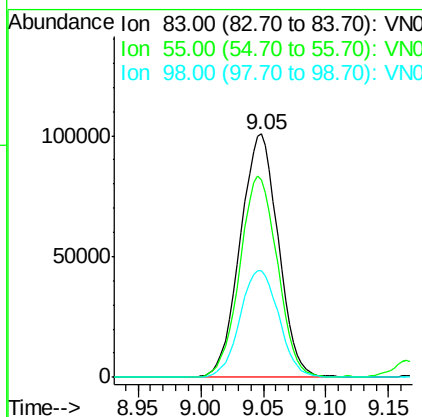
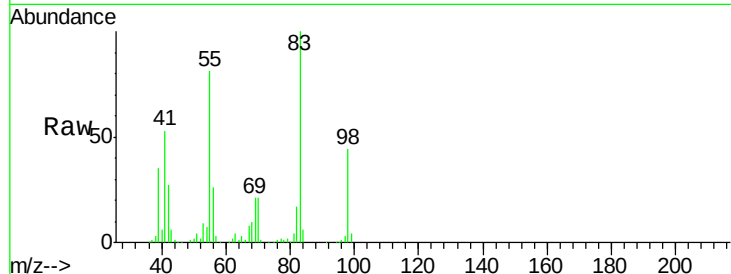
#39
Methylvlcyclohexane
Concen: 41.084 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	80.9	65.5	98.3	
98	43.9	34.2	51.4	

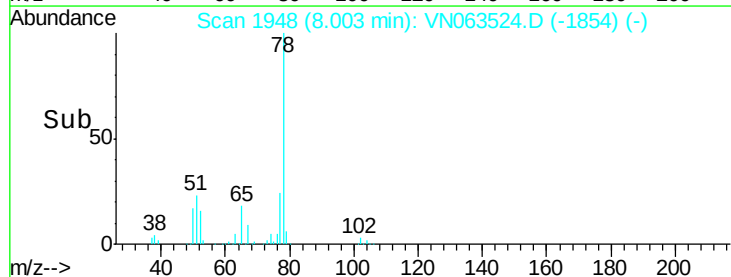
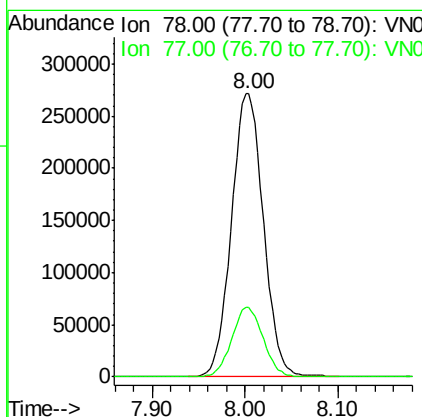
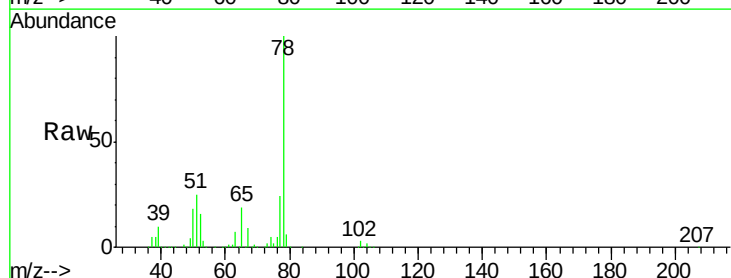
Manual Integrations
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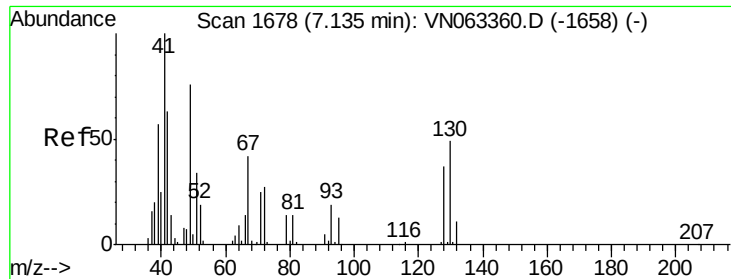
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#40
Benzene
Concen: 47.491 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.4	18.3	27.5	





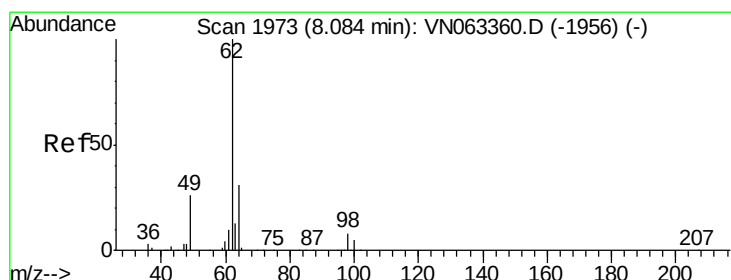
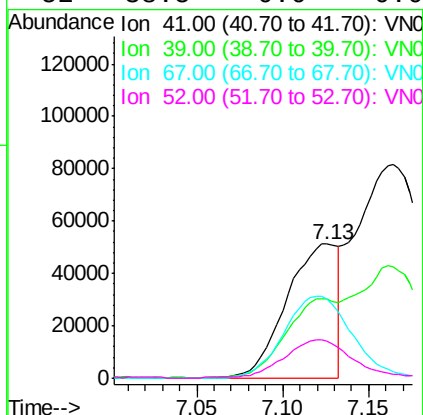
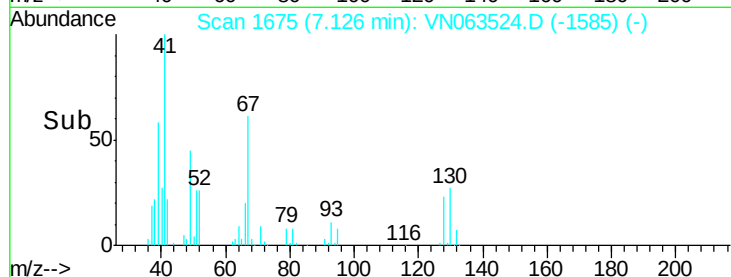
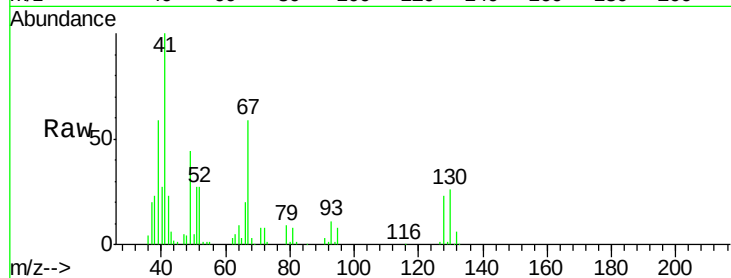
#41
Methacrylonitrile
Concen: 50.425 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	58.7	0.0	0.0	#
67	81.4	0.0	0.0	#
52	38.5	0.0	0.0	#

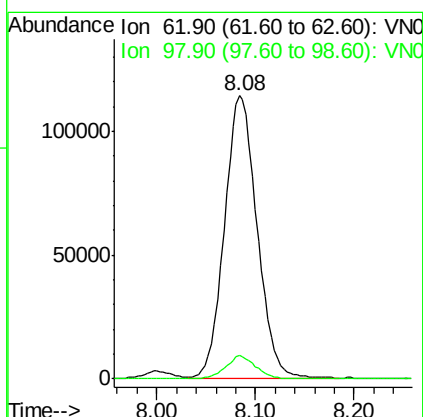
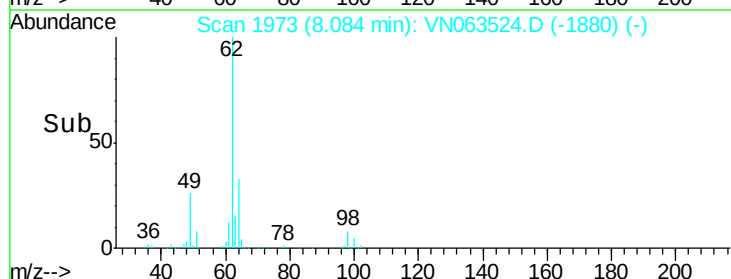
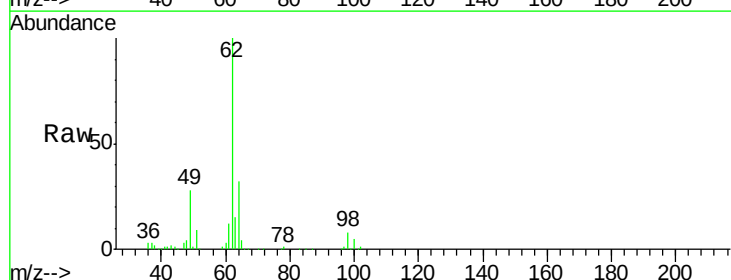
Manual Integrations
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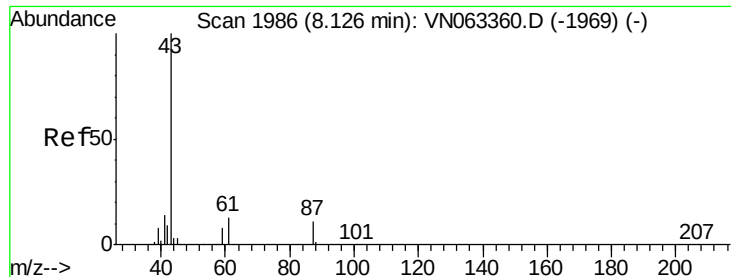
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#42
1,2-Dichloroethane
Concen: 48.038 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	7.5	0.0	15.6	





#43

Isopropyl Acetate

Concen: 47.182 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

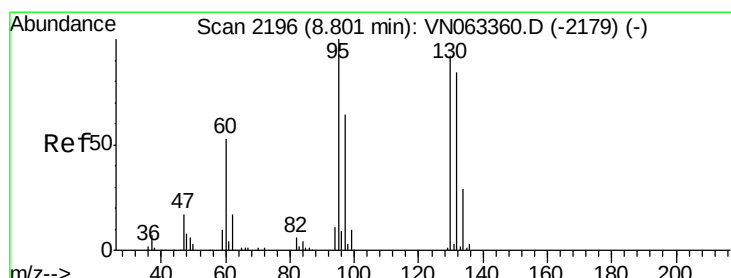
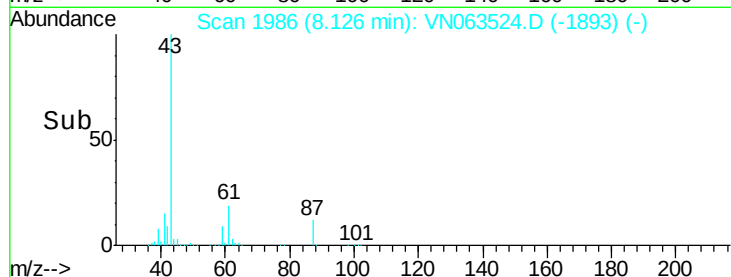
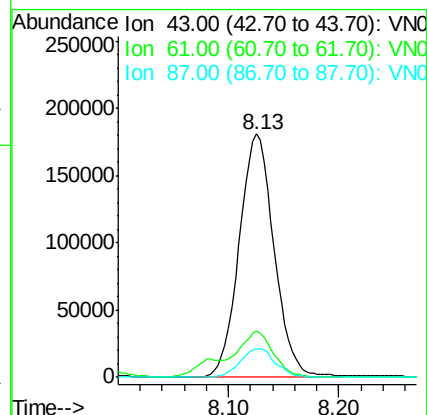
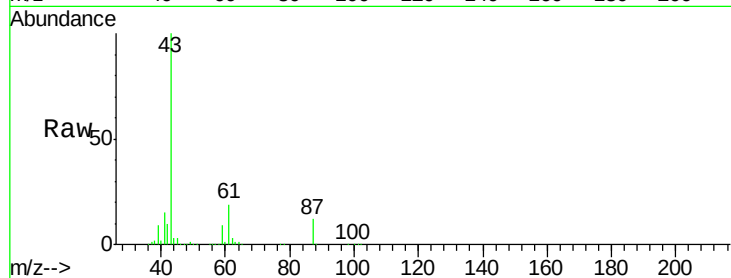
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	395994
Ion	Ratio	Lower	Upper
43	100		
61	18.5	14.2	21.2
87	12.0	9.0	13.6

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#44

Trichloroethene

Concen: 49.835 ug/l

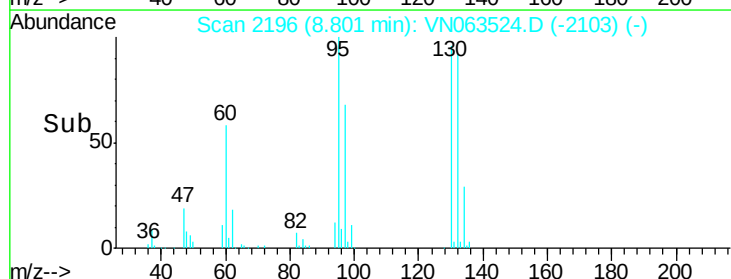
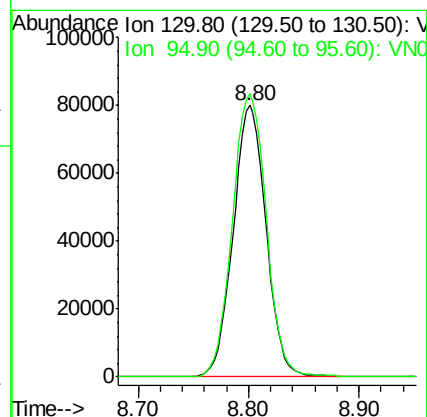
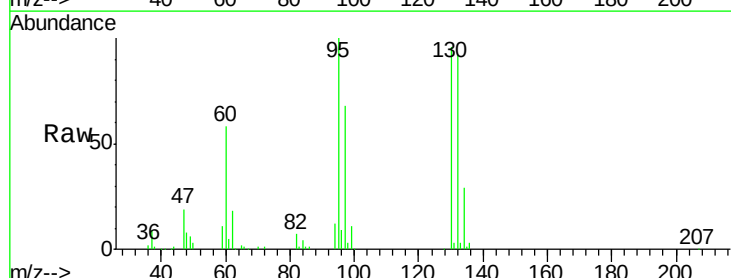
RT: 8.80 min Scan# 2196

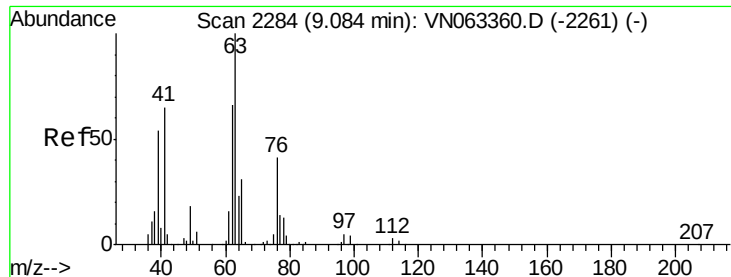
Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Tgt Ion:	130	Resp:	165017
Ion	Ratio	Lower	Upper
130	100		
95	104.2	0.0	217.4





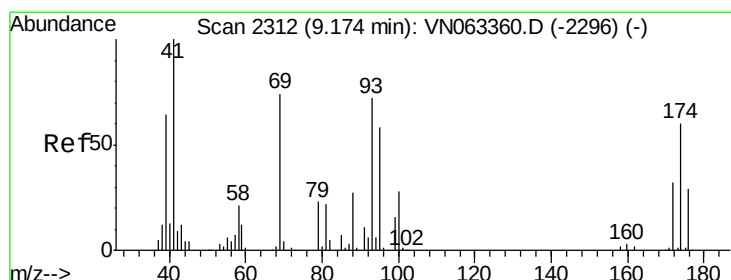
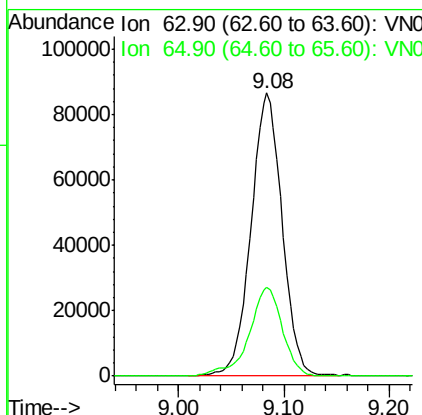
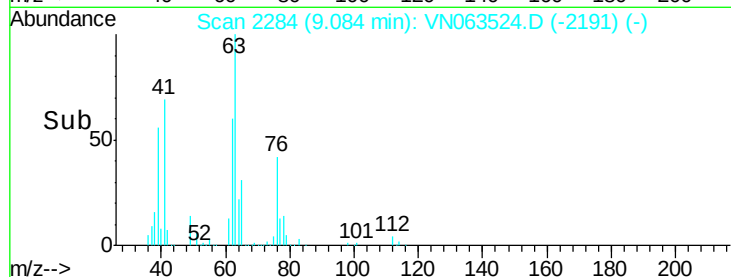
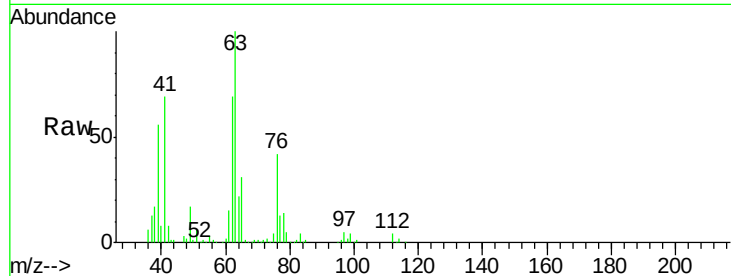
#45
 1,2-Dichloropropane
 Concen: 47.907 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	25.0	37.6

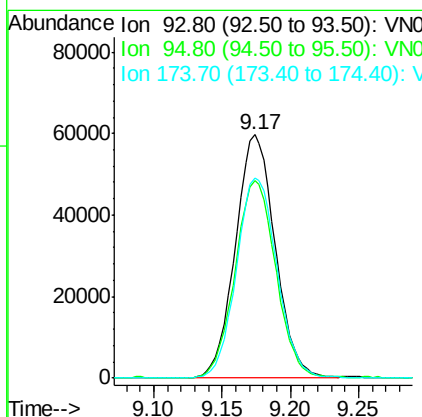
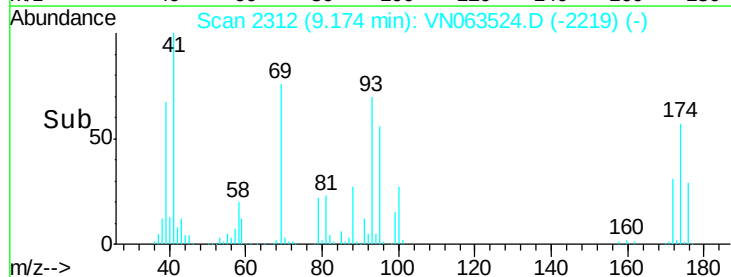
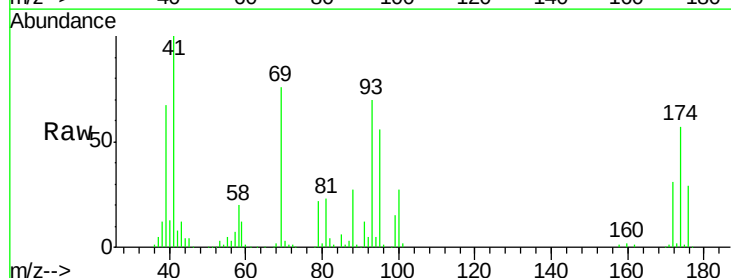
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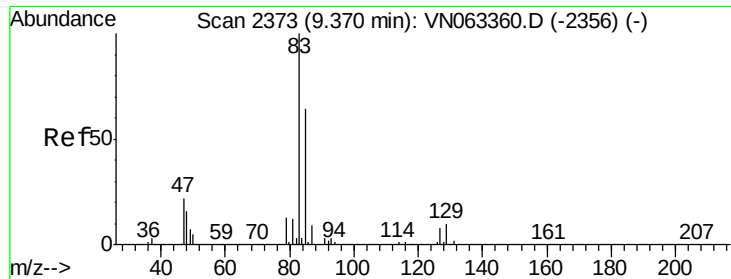
MMDadoda
 9/22/2020 2:08:46 PM



#46
 Dibromomethane
 Concen: 49.657 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.6	98.4
174	83.7	68.1	102.1





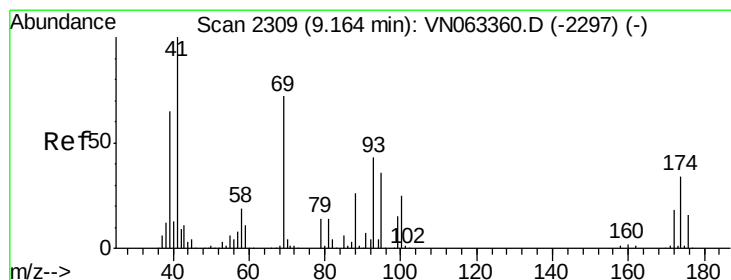
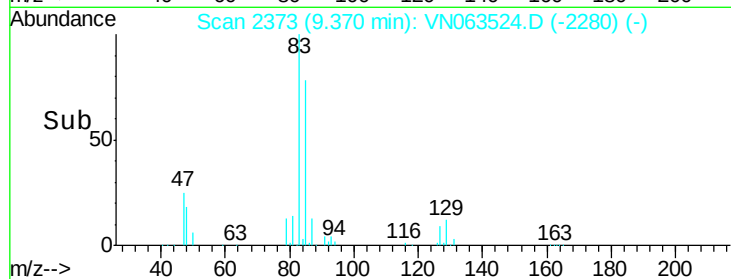
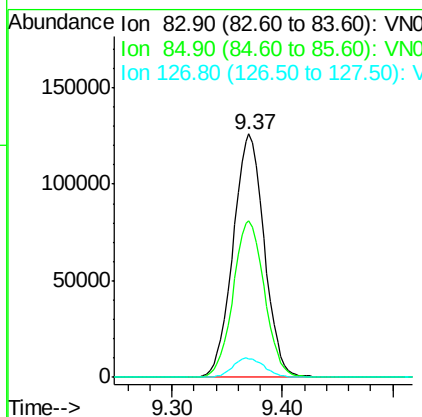
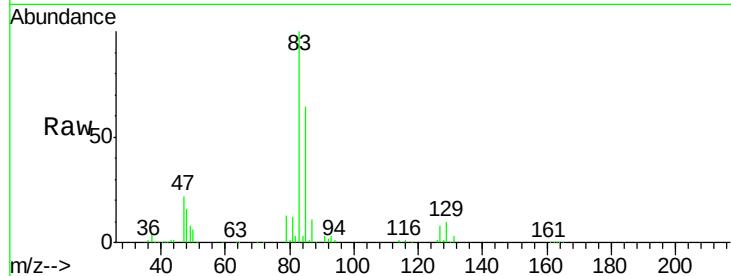
#47
Bromodichloromethane
Concen: 48.644 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	246965		
85	64.3		51.0	76.6
127	7.7		6.3	9.5

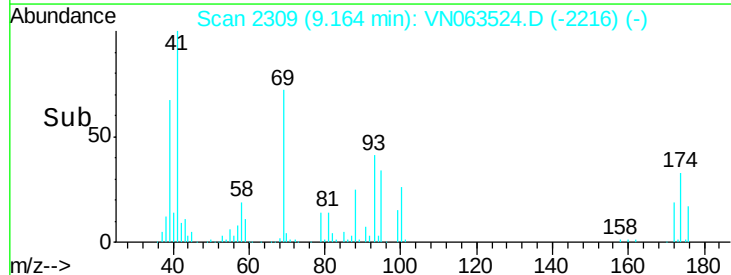
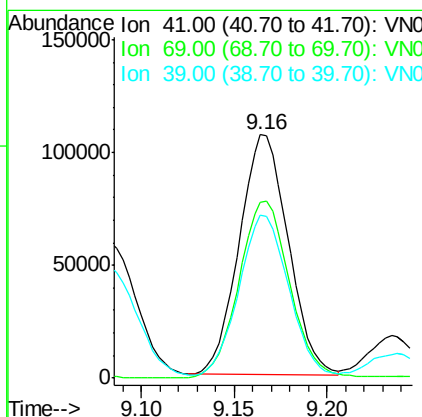
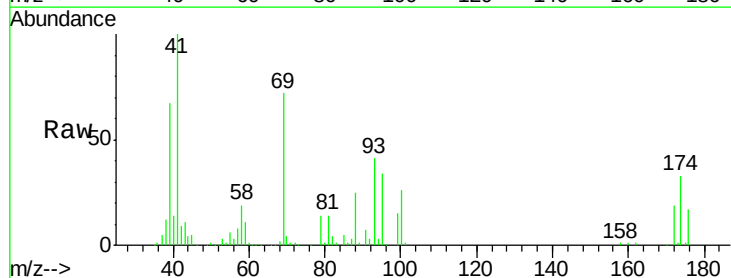
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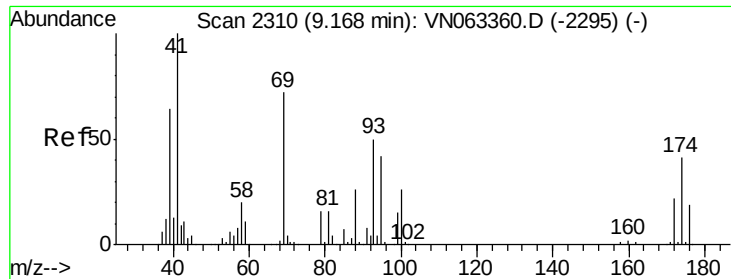
MMDadoda
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#48
Methyl methacrylate
Concen: 47.511 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	195912		
69	76.4		59.3	88.9
39	69.0		52.9	79.3





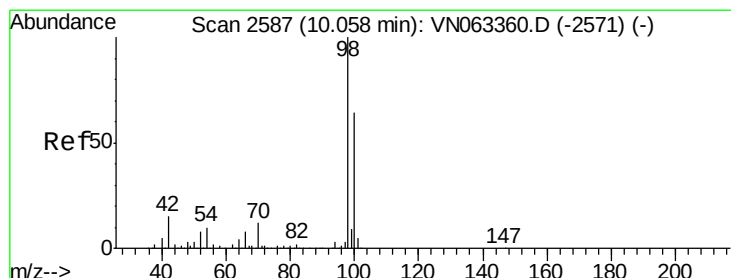
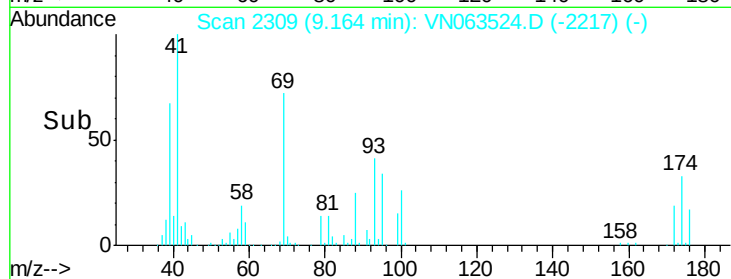
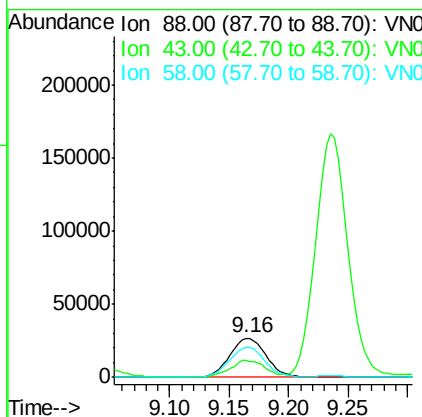
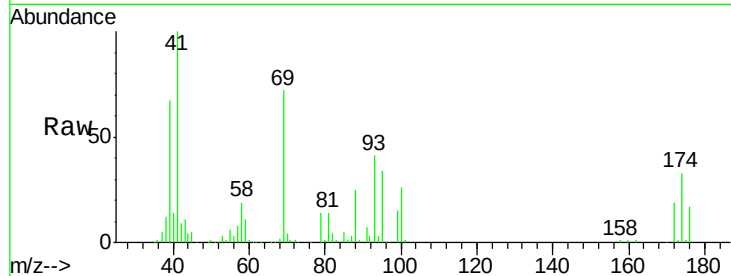
#49
1,4-Dioxane
Concen: 968.018 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	57282
Ion	Ratio	Lower	Upper
88	100		
43	39.8	32.6	49.0
58	74.1	60.0	90.0

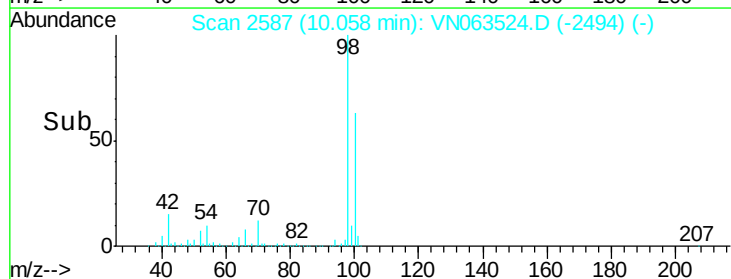
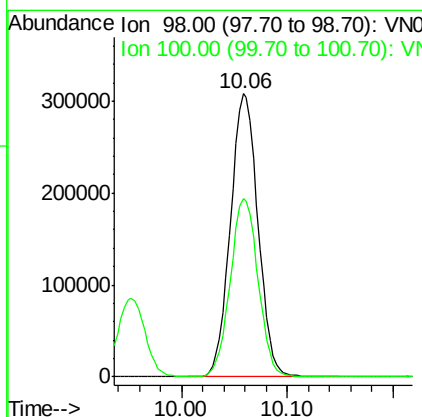
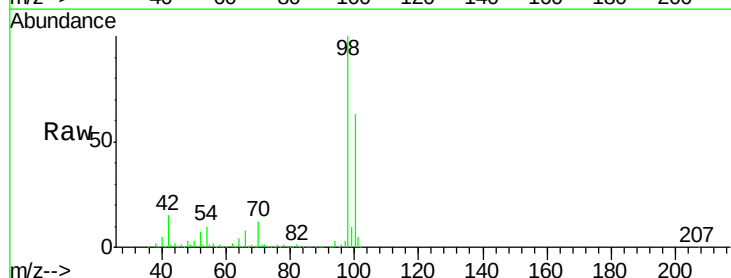
Manual Integrations
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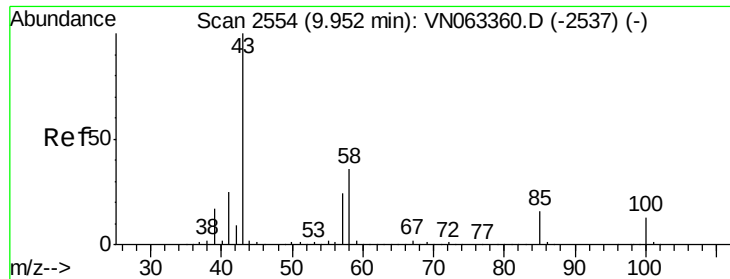
MMDadoda
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#50
Toluene-d8
Concen: 47.606 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	98	Resp	556296
Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 258.368 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1213980

Ion Ratio Lower Upper

43 100

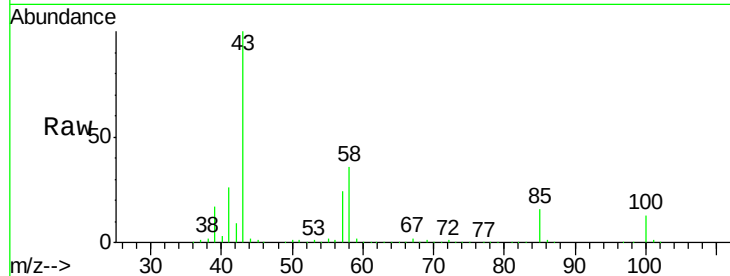
58 36.5 29.0 43.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.95

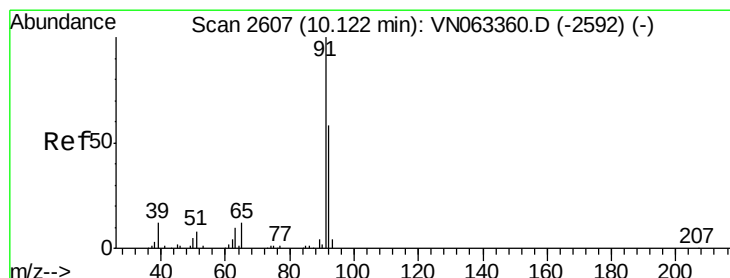
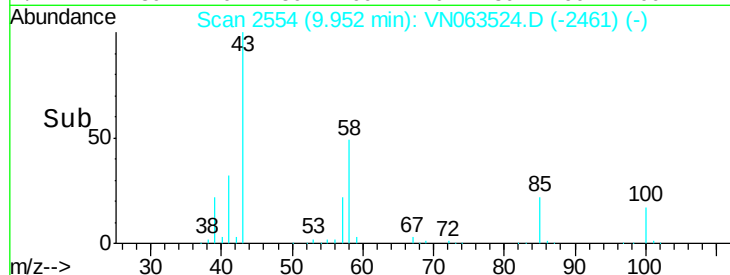
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.478 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN063524.D

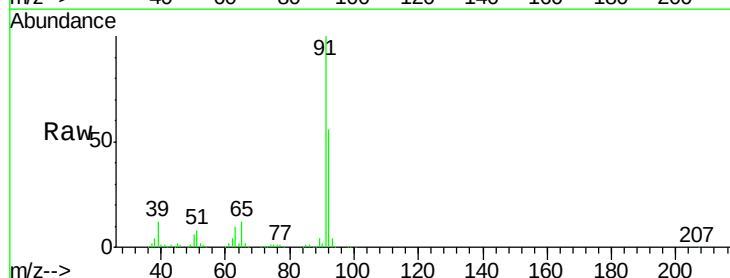
Acq: 22 Sep 2020 7:41

Tgt Ion: 92 Resp: 406116

Ion Ratio Lower Upper

92 100

91 175.4 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.12

400000

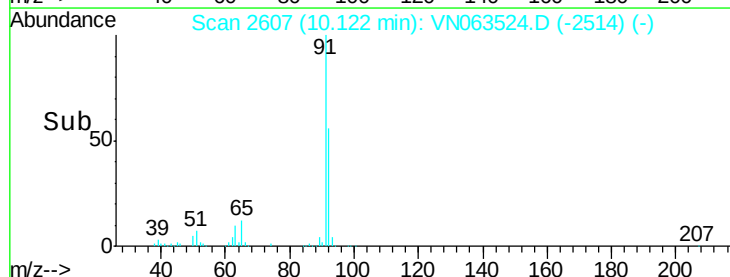
300000

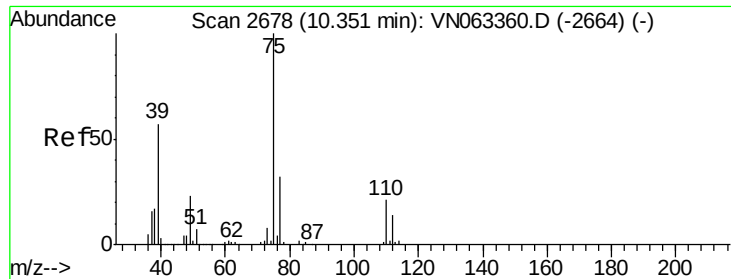
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 44.831 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 254098

Ion Ratio Lower Upper

75 100

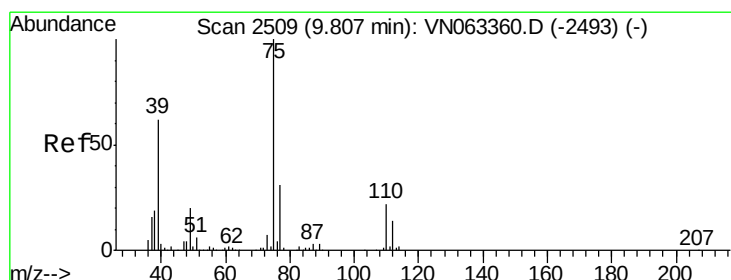
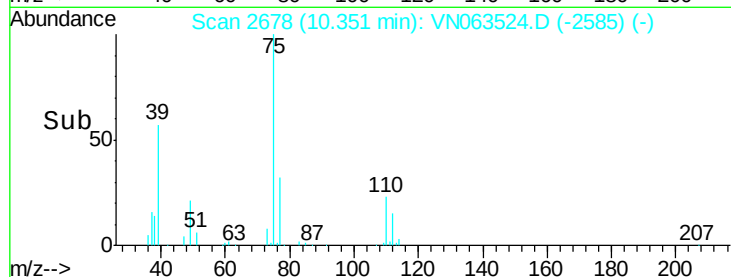
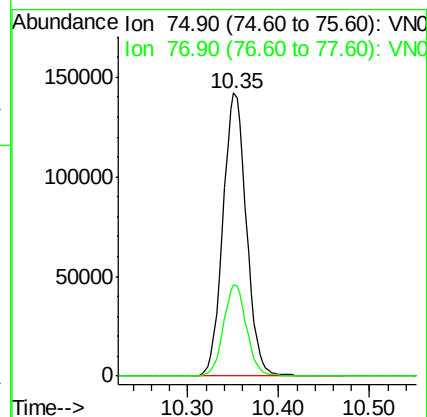
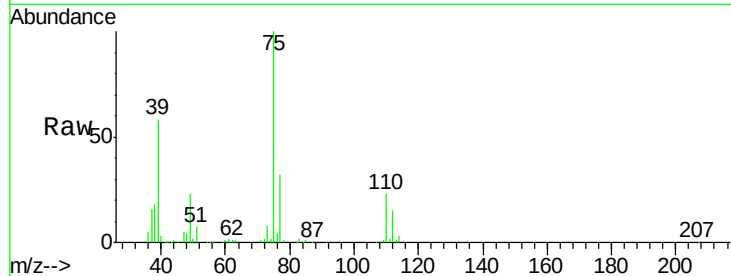
77 32.1 25.4 38.2

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 44.845 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

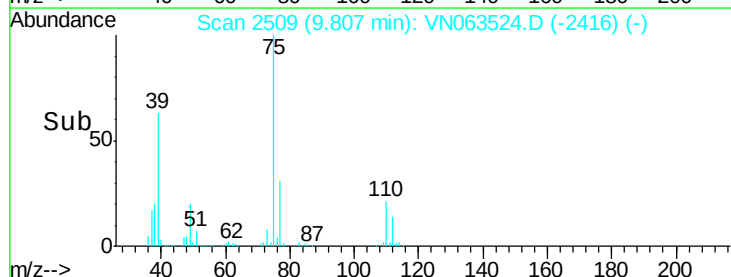
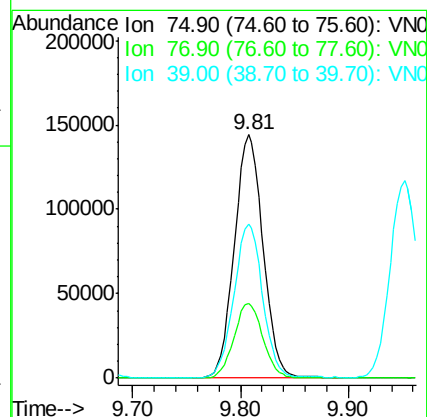
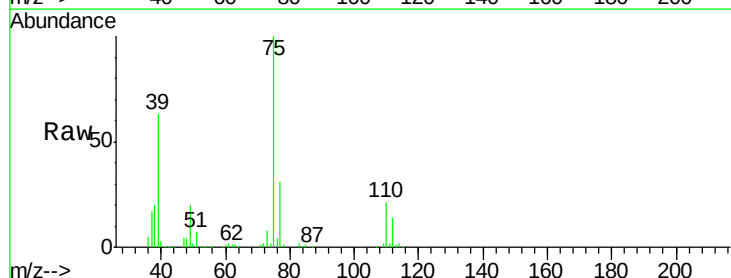
Tgt Ion: 75 Resp: 268106

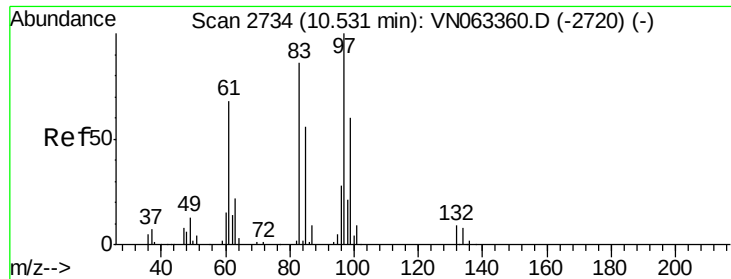
Ion Ratio Lower Upper

75 100

77 30.9 24.6 37.0

39 63.2 49.8 74.8





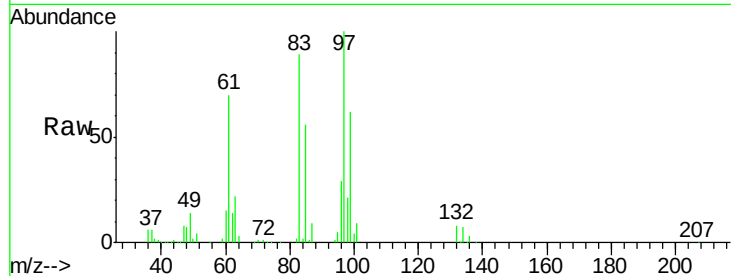
#55
 1,1,2-Trichloroethane
 Concen: 50.329 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	164086
Ion	Ratio	Lower	Upper
97	100		
83	88.6	68.9	103.3
85	56.4	44.8	67.2
99	62.0	47.8	71.8

Manual Integrations
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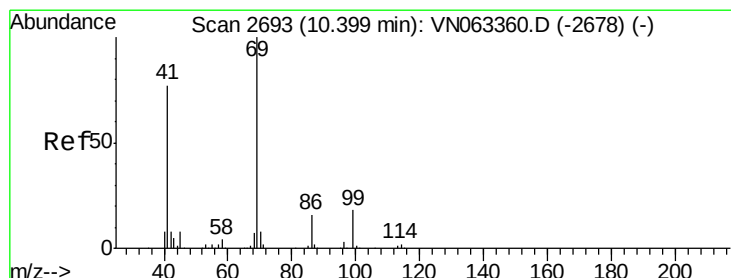
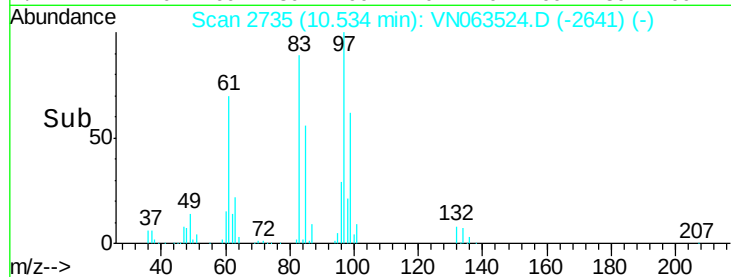
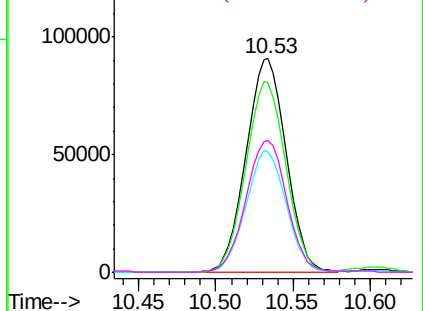


Abundance Ion 96.90 (96.60 to 97.60): VN063360.D (-2720) (-)

Ion 82.90 (82.60 to 83.60): VN063360.D (-2720) (-)

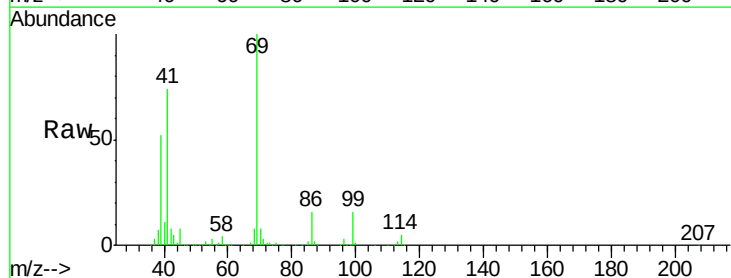
Ion 84.90 (84.60 to 85.60): VN063360.D (-2720) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-2720) (-)



#56
 Ethyl methacrylate
 Concen: 50.292 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

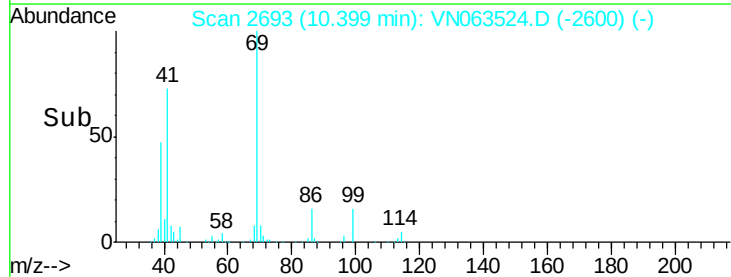
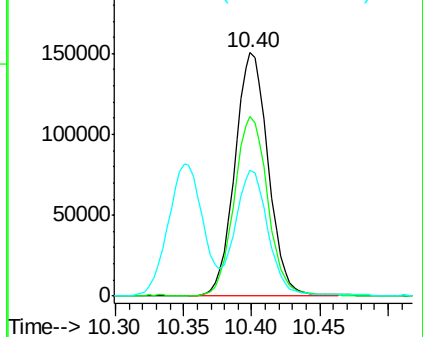
Tgt Ion:	69	Resp:	255973
Ion	Ratio	Lower	Upper
69	100		
41	73.2	61.0	91.6
39	49.6	39.2	58.8

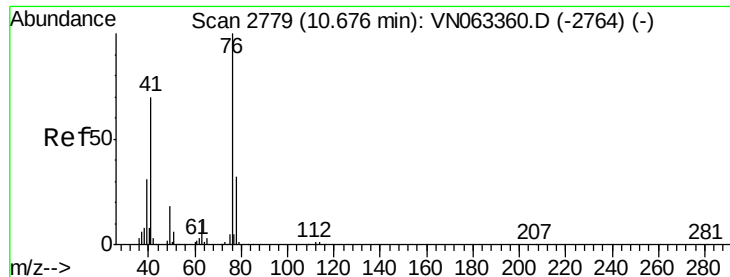


Abundance Ion 69.00 (68.70 to 69.70): VN063360.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN063360.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-2678) (-)





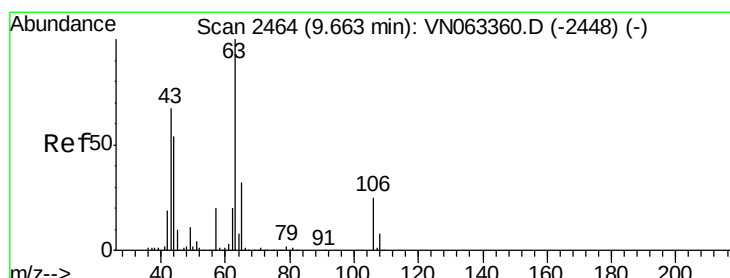
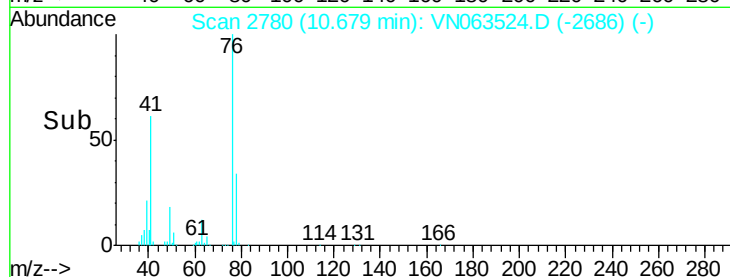
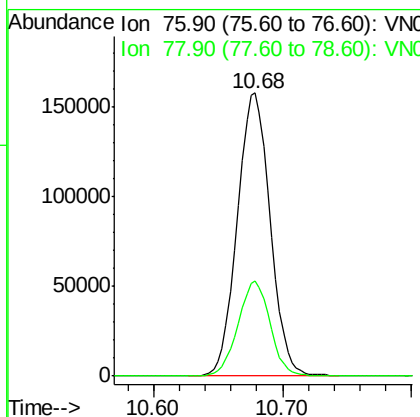
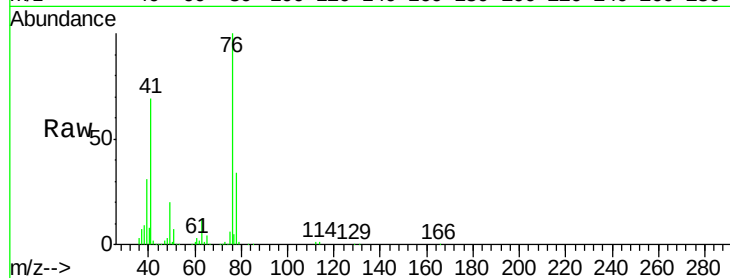
#57
 1,3-Dichloropropane
 Concen: 47.630 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.8	38.8

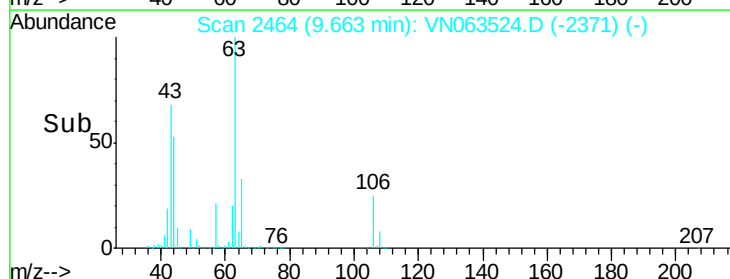
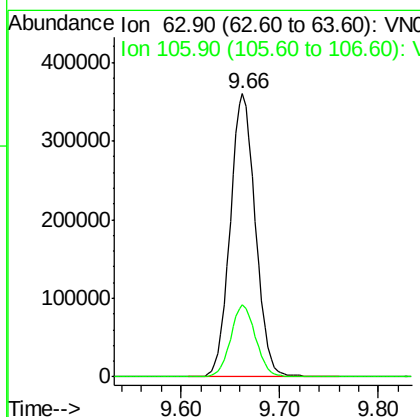
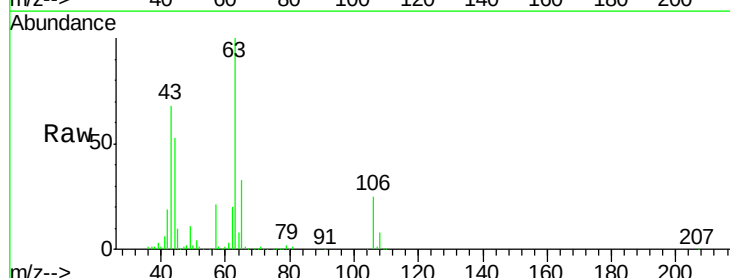
Manual Integrations
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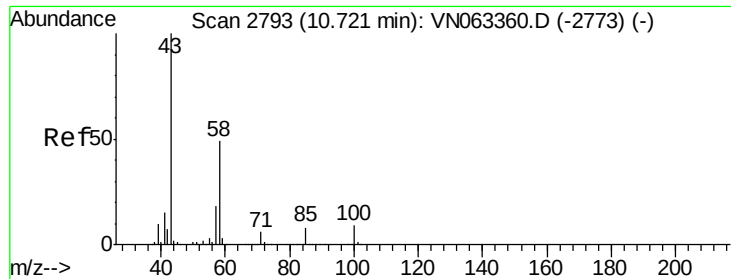
MMDadoda
 9/22/2020 2:08:46 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.501 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.3	19.5	29.3





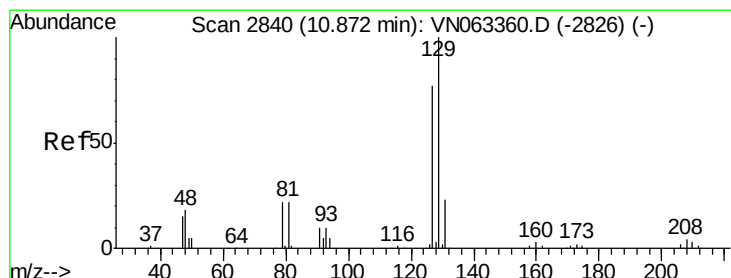
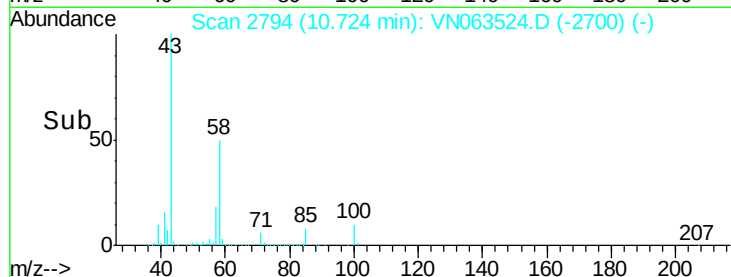
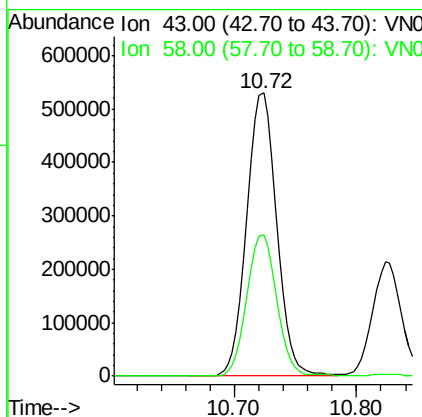
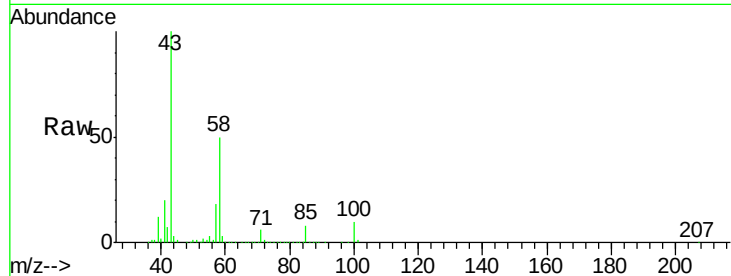
#59
2-Hexanone
Concen: 263.269 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 896177
Ion Ratio Lower Upper
43 100
58 50.0 24.7 74.1

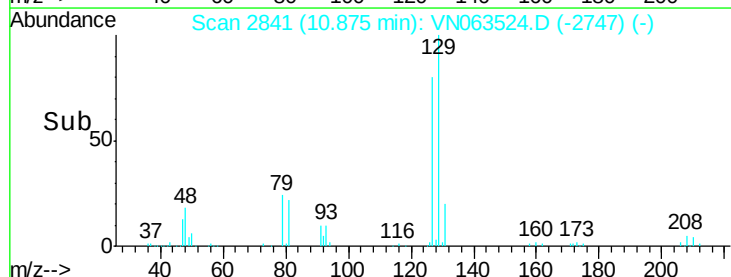
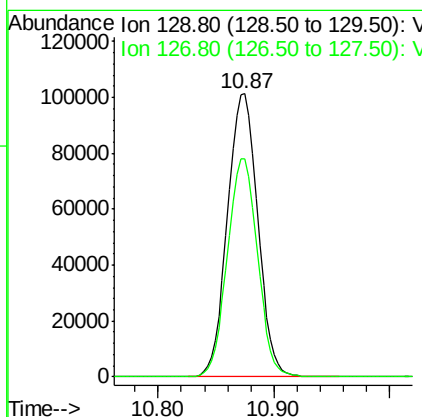
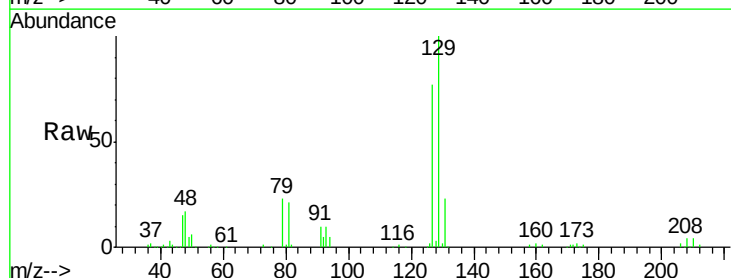
Manual Integrations
APPROVED

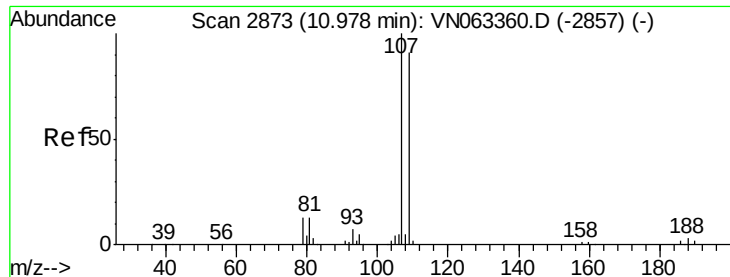
MMDadoda
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#60
Dibromochloromethane
Concen: 49.805 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion: 129 Resp: 183446
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.3





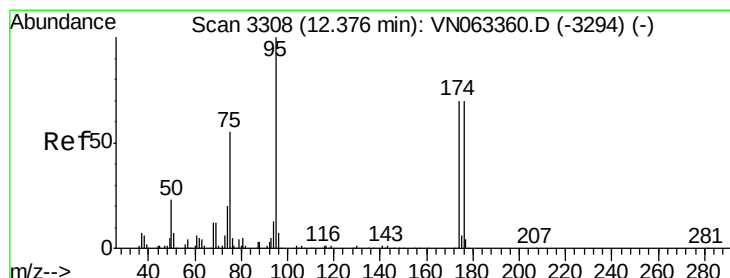
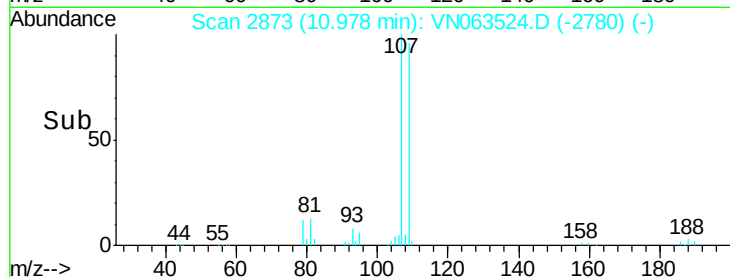
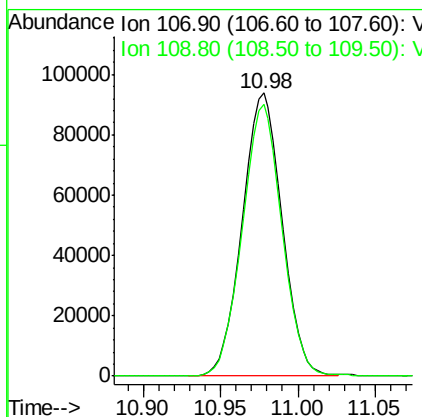
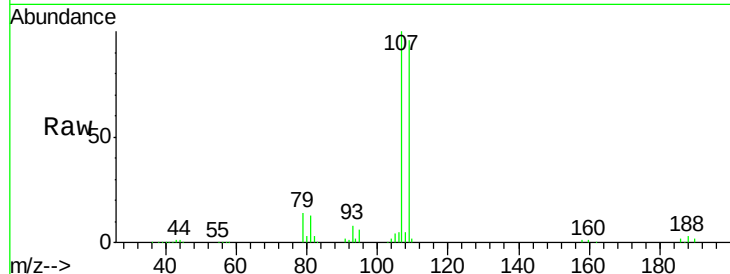
#61
 1,2-Dibromoethane
 Concen: 49.673 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
107	100	168253		
109	96.0	74.6	111.8	

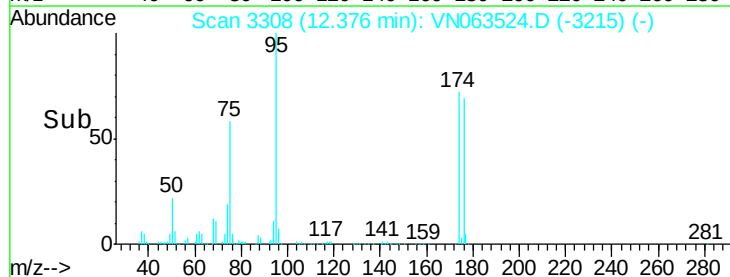
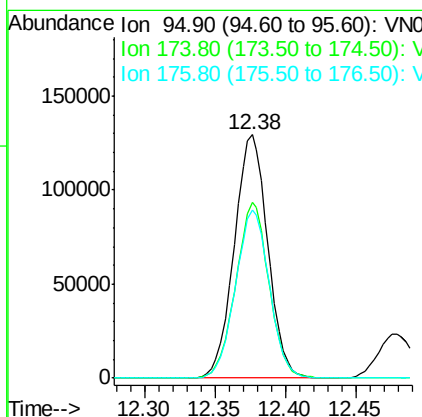
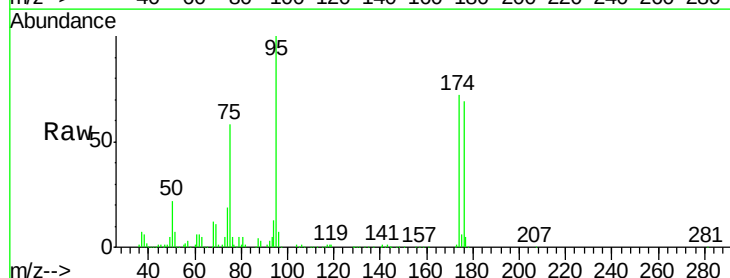
Manual Integrations
 APPROVED

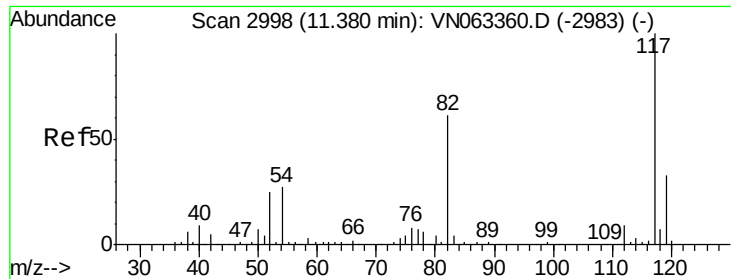
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.372 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	215775		
174	71.5	0.0	140.8	
176	69.9	0.0	137.6	





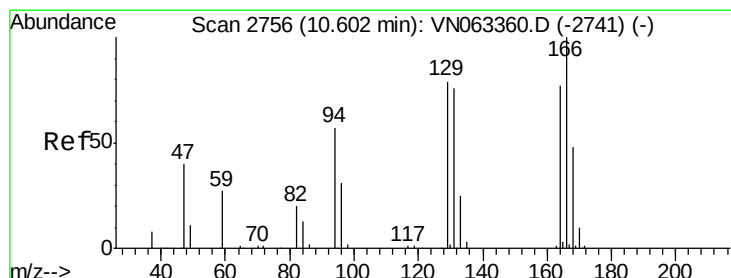
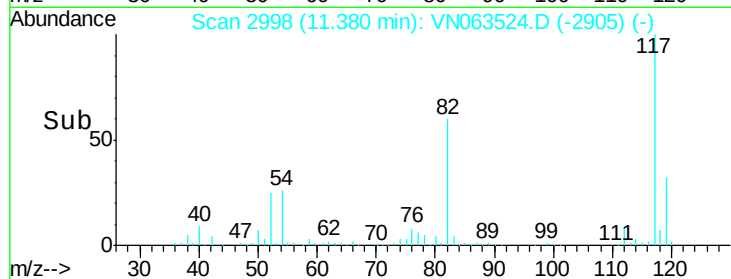
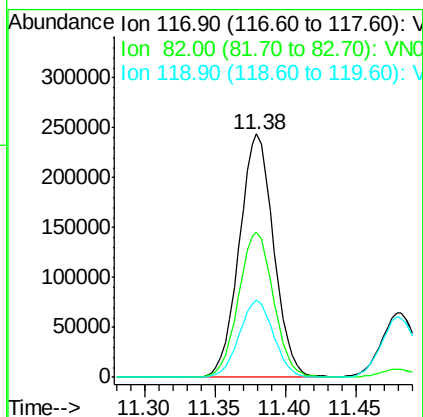
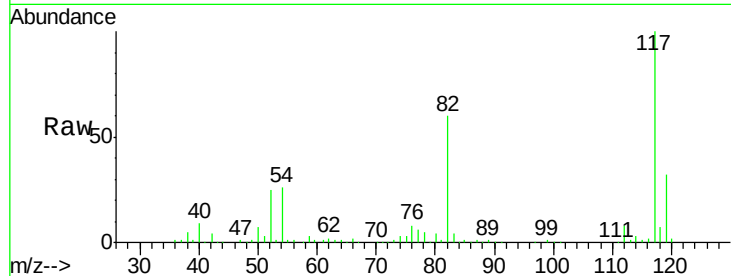
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	49.2	73.8
119	31.6	26.2	39.4

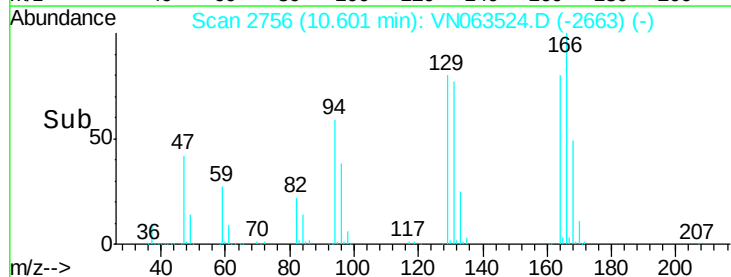
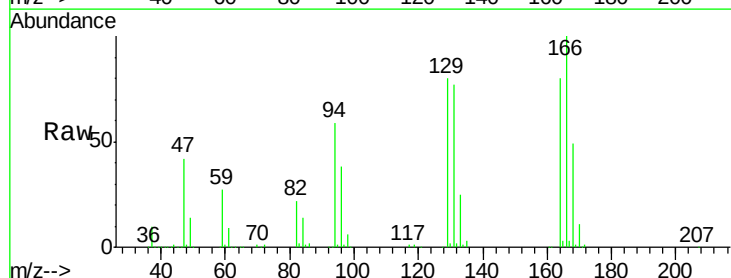
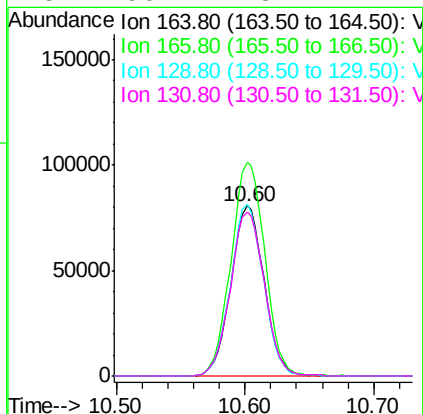
Manual Integrations
APPROVED

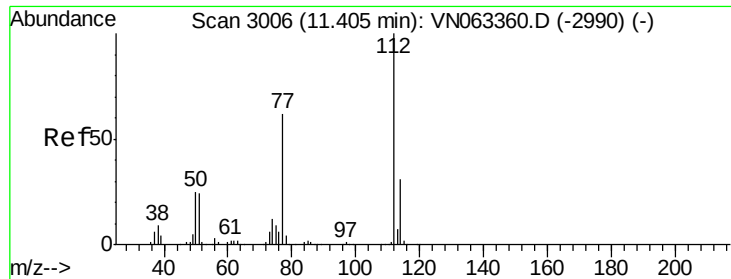
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#64
Tetrachloroethene
Concen: 50.589 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	103.4	155.0
129	100.7	81.8	122.6
131	96.4	78.2	117.4





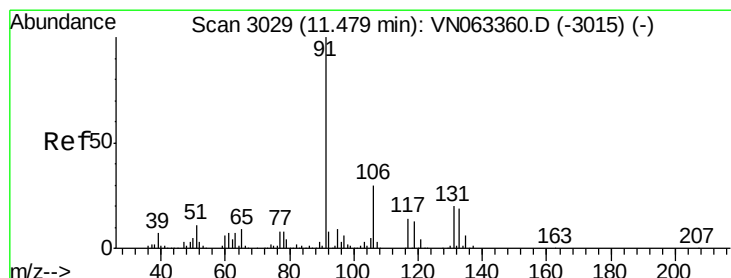
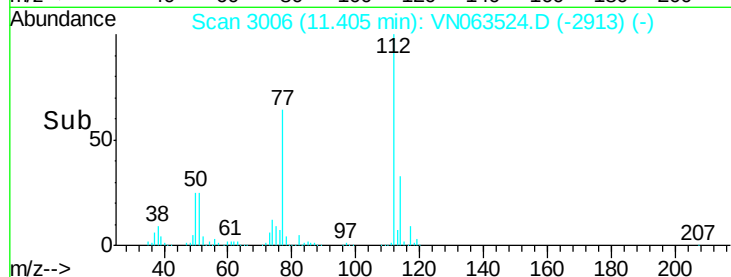
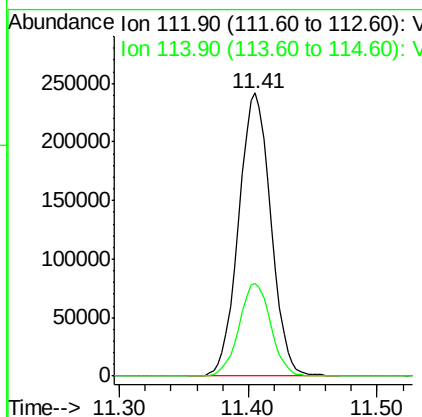
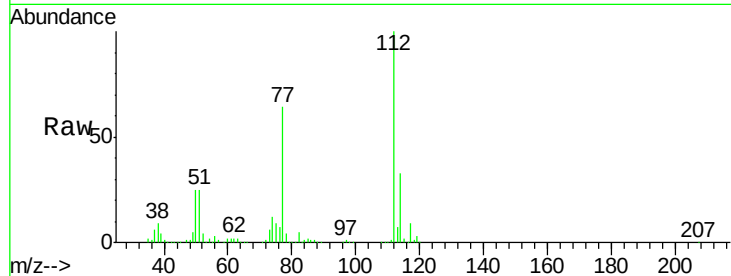
#65
Chlorobenzene
Concen: 47.306 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 419979
Ion Ratio Lower Upper
112 100
114 33.0 25.0 37.6

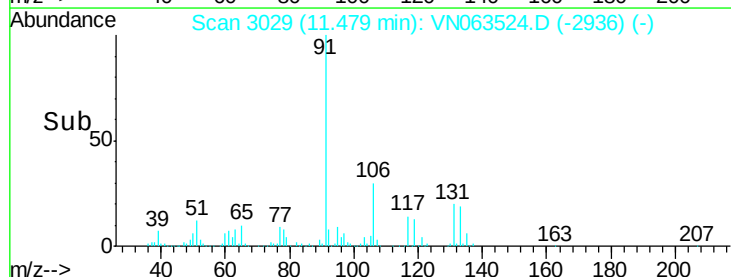
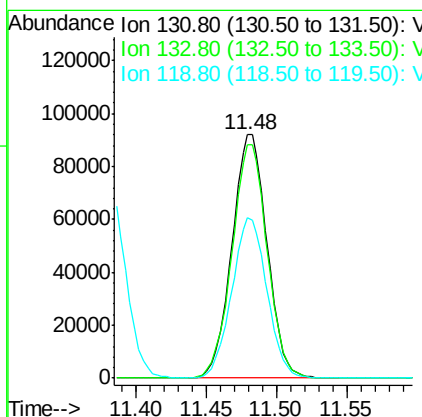
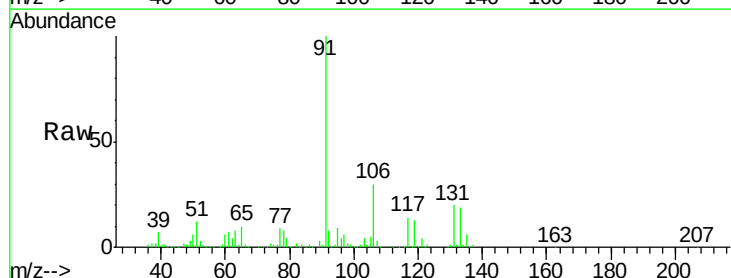
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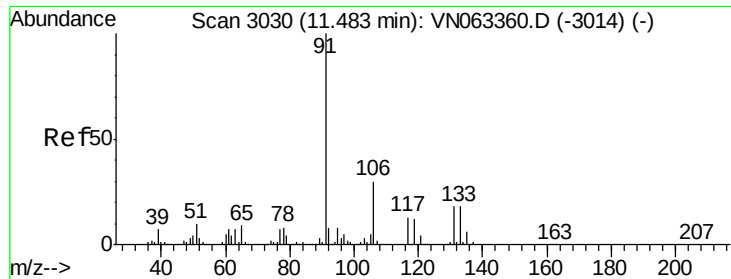
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.280 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion:131 Resp: 160370
Ion Ratio Lower Upper
131 100
133 96.3 47.3 141.9
119 66.1 33.6 100.8





#67

Ethyl Benzene

Concen: 47.677 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 797097

Ion Ratio Lower Upper

91 100

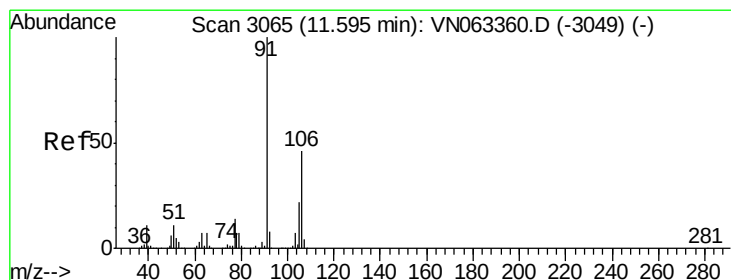
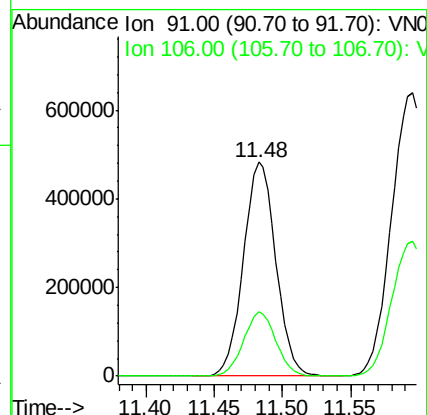
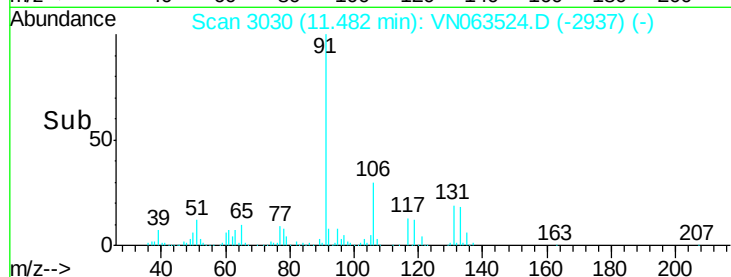
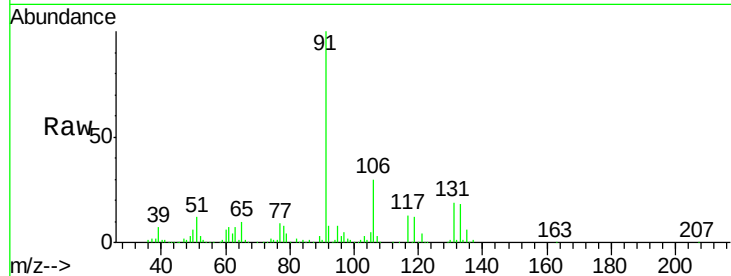
106 30.0 23.8 35.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 96.843 ug/l

RT: 11.59 min Scan# 3065

Delta R.T. -0.00 min

Lab File: VN063524.D

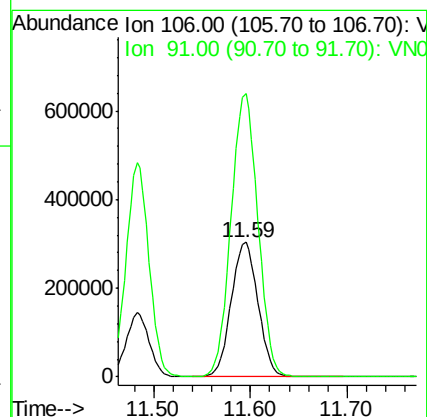
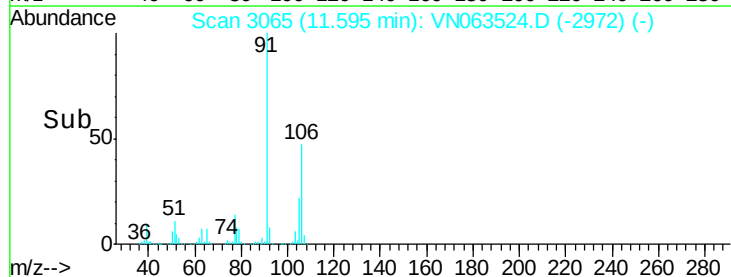
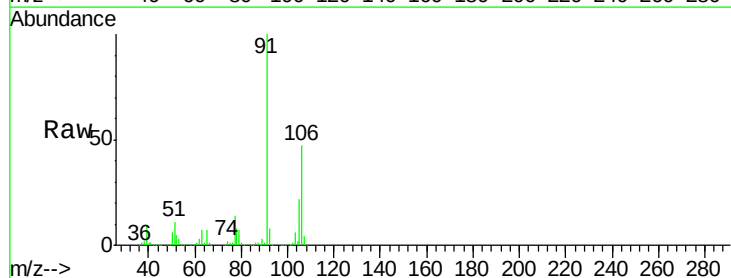
Acq: 22 Sep 2020 7:41

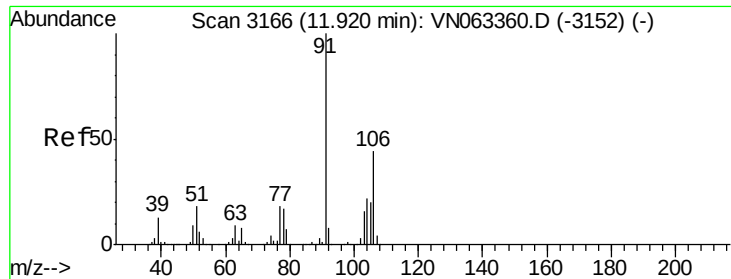
Tgt Ion: 106 Resp: 583762

Ion Ratio Lower Upper

106 100

91 211.2 171.2 256.8





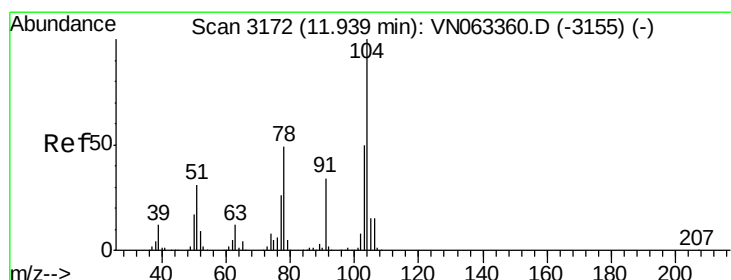
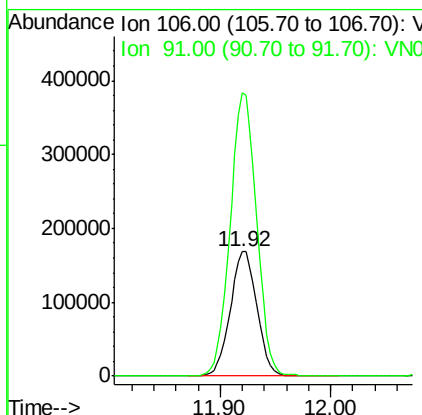
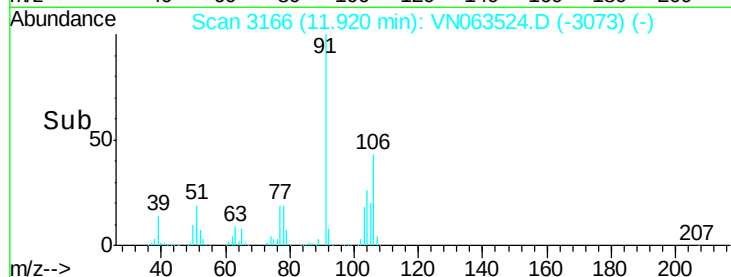
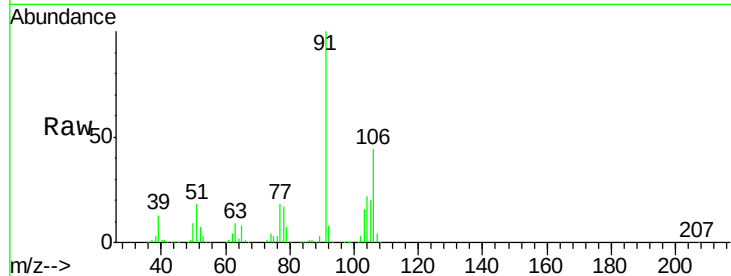
#69
o-Xylene
Concen: 49.158 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		282276		
91	225.6	113.6	340.8		

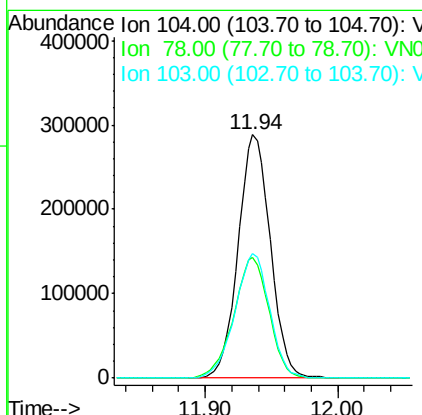
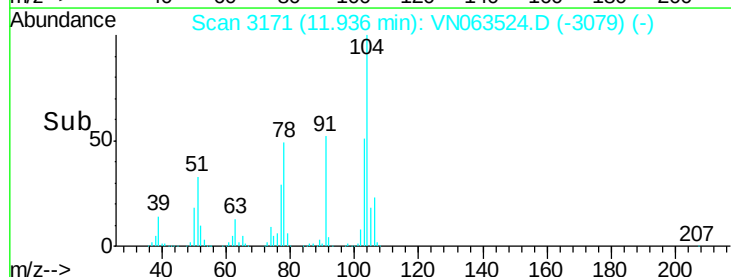
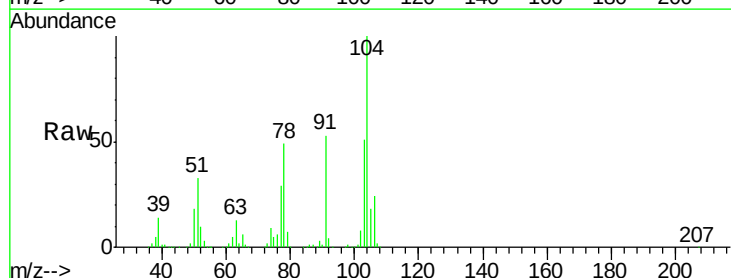
Manual Integrations
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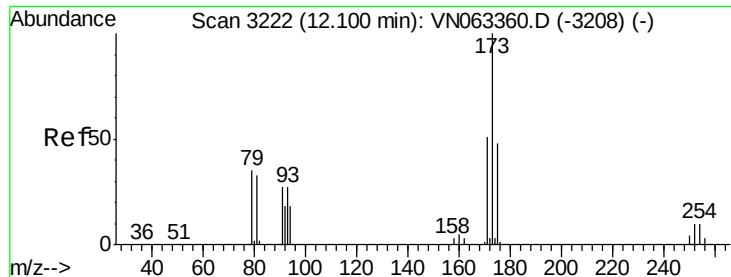
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#70
Styrene
Concen: 50.604 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		487299		
78	54.3	44.4	66.6		
103	54.9	43.7	65.5		





#71

Bromoform

Concen: 49.967 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

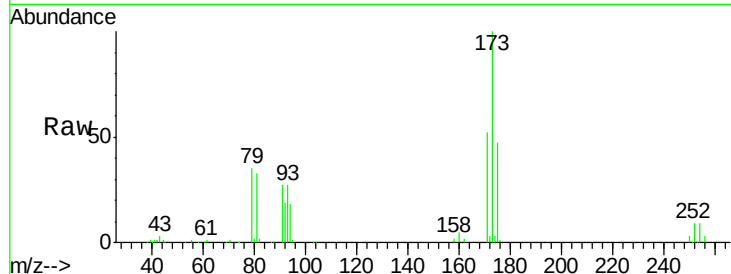
ClientSampleId :

VSTDCCC050EC

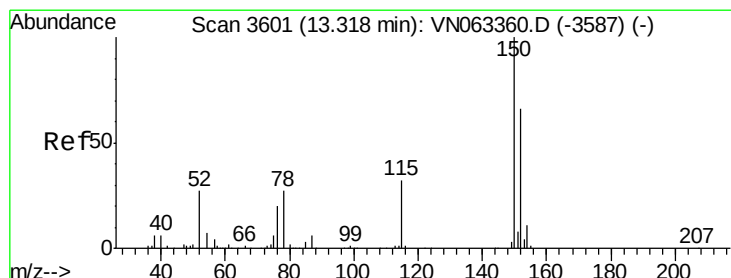
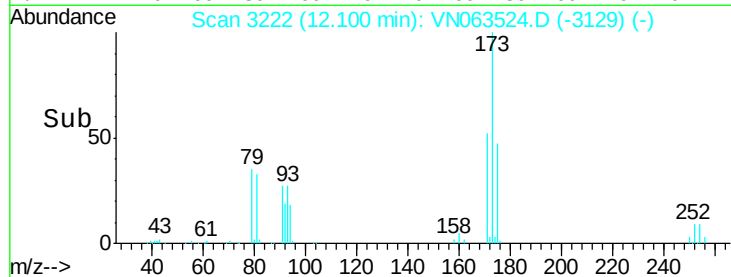
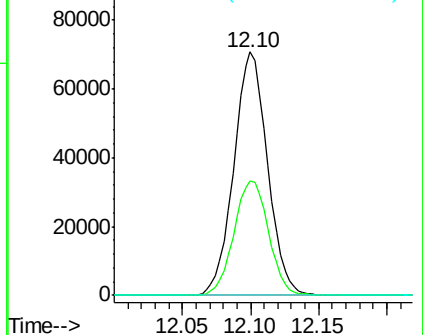
Tot Ion:	173	Resp:	121137
Ion Ratio	Lower	Upper	
173	100		
175	48.5	24.0	72.0
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

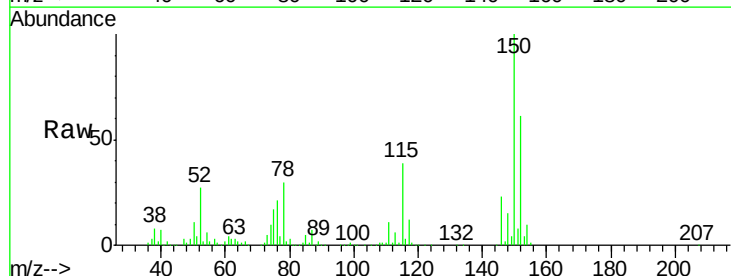
RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

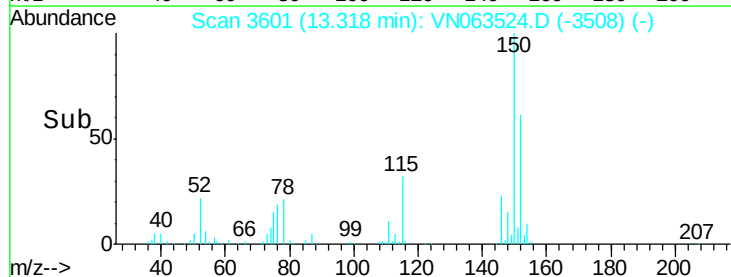
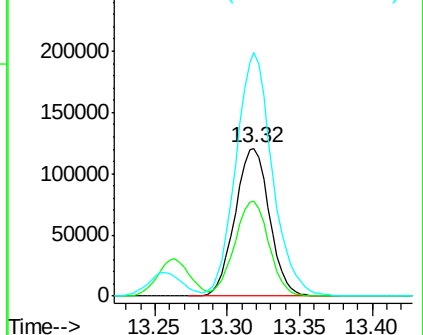
Lab File: VN063524.D

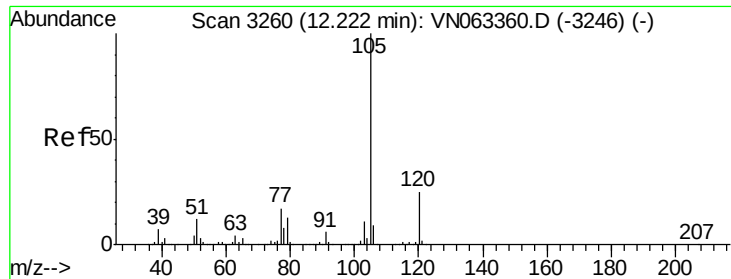
Acq: 22 Sep 2020 7:41

Tgt Ion:	152	Resp:	198871
Ion Ratio	Lower	Upper	
152	100		
115	64.2	32.2	96.6
150	174.9	0.0	343.4



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





#73

Isopropylbenzene

Concen: 47.290 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 753625

Ion Ratio Lower Upper

105 100

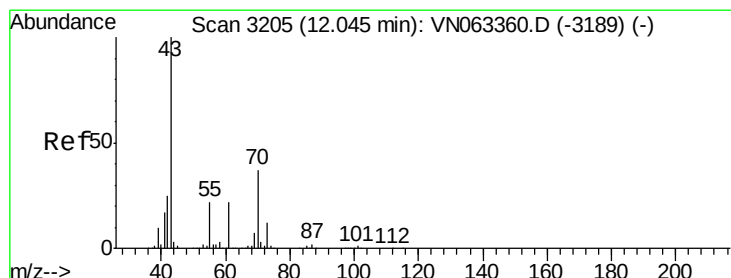
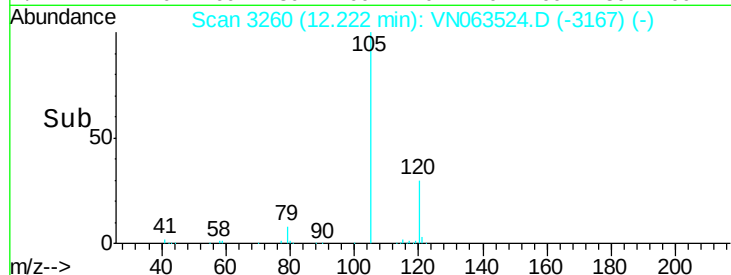
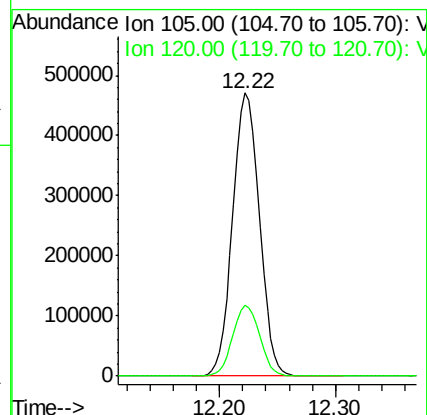
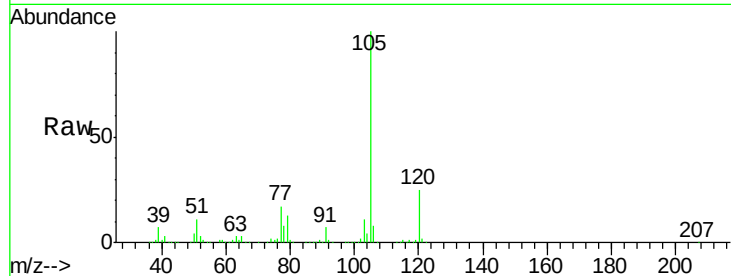
120 25.2 12.7 38.0

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.642 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Tgt Ion: 43 Resp: 359399

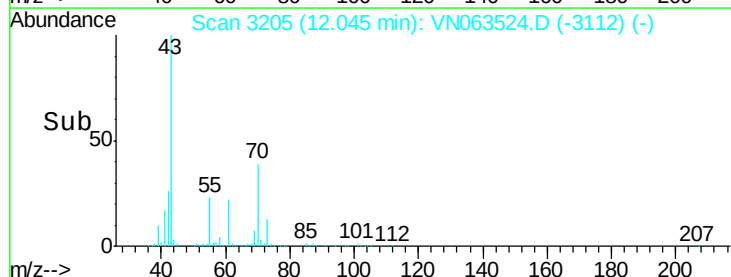
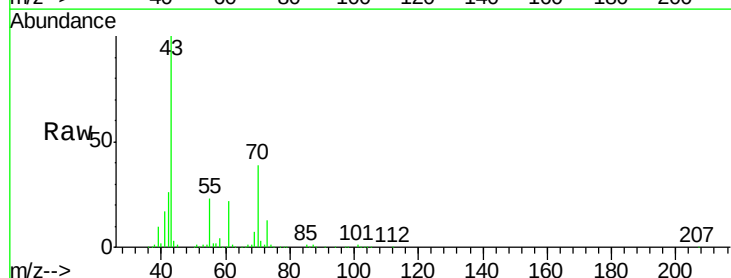
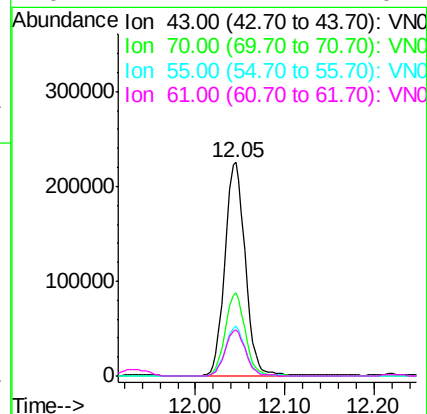
Ion Ratio Lower Upper

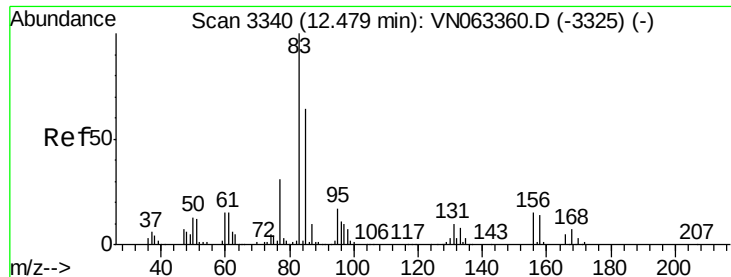
43 100

70 38.0 29.6 44.4

55 23.0 17.7 26.5

61 21.7 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 48.196 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

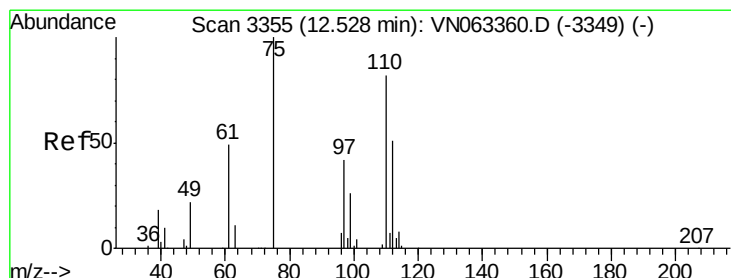
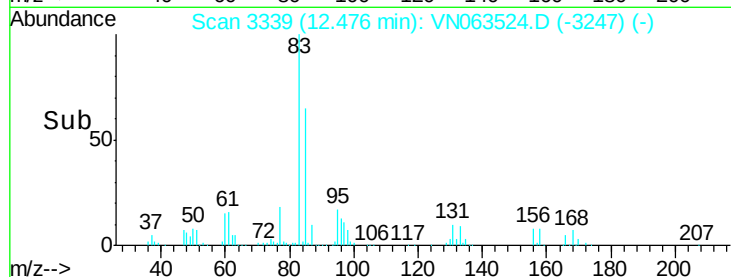
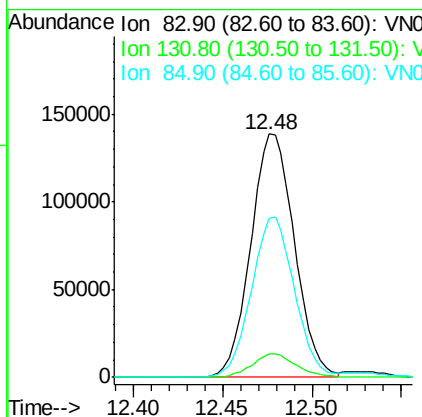
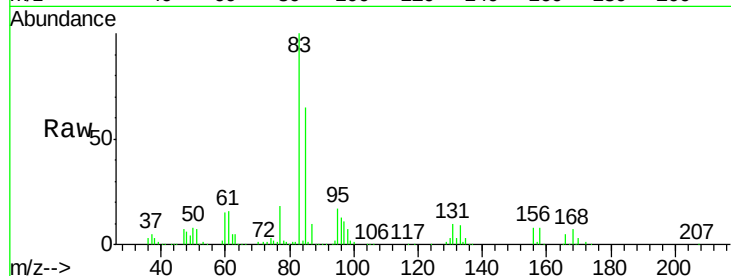
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	237821
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	64.8	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.159 ug/l m

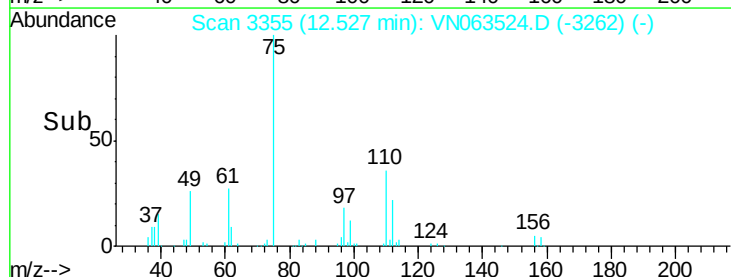
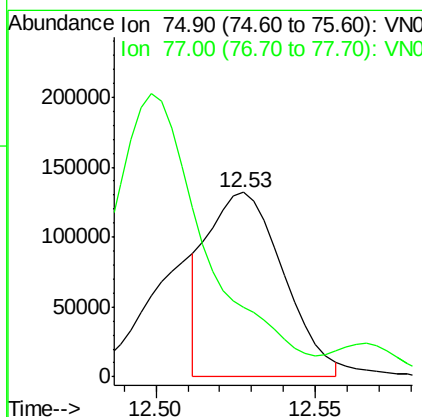
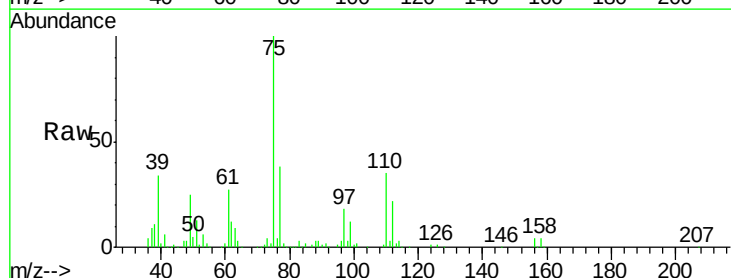
RT: 12.53 min Scan# 3355

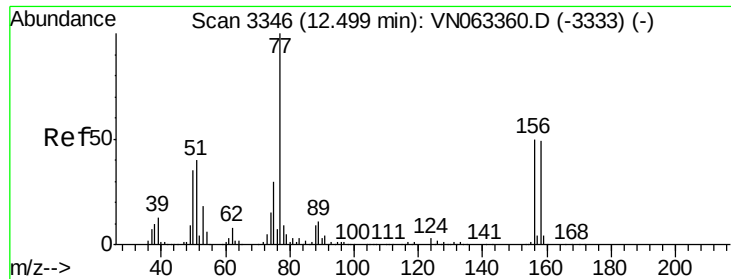
Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Tgt Ion:	75	Resp:	217367
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





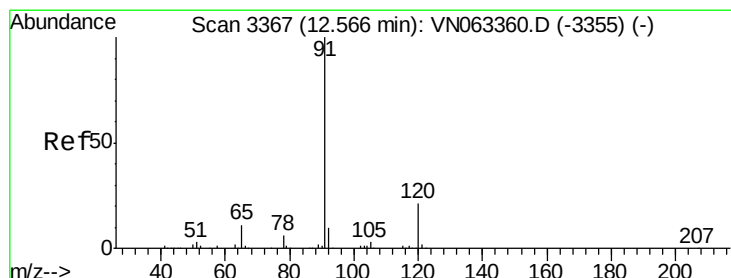
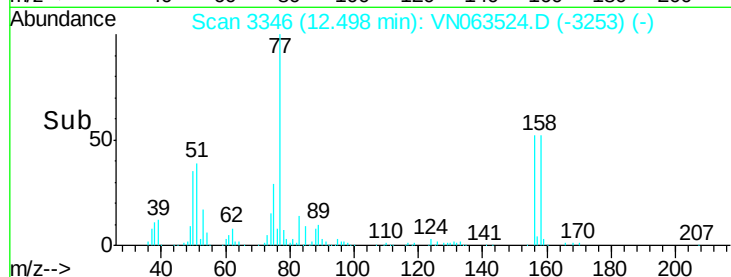
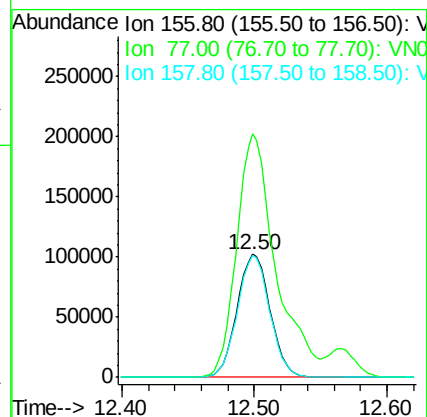
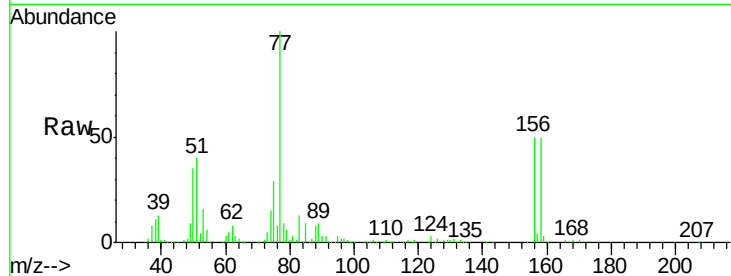
#77
Bromobenzene
Concen: 49.432 ug/l
RT: 12.50 min Scan# 3346
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	233.9	120.2	360.6
158	97.3	48.9	146.6

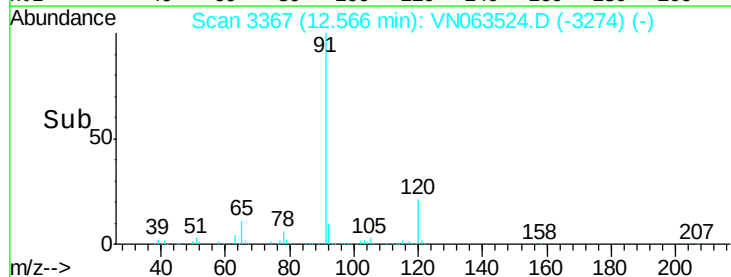
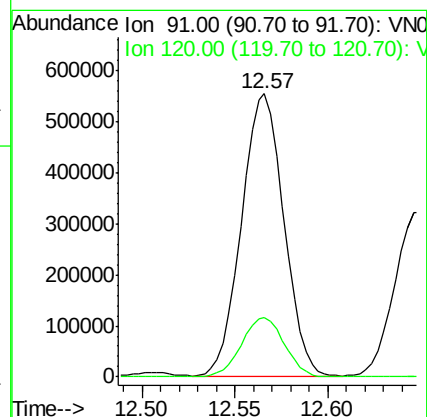
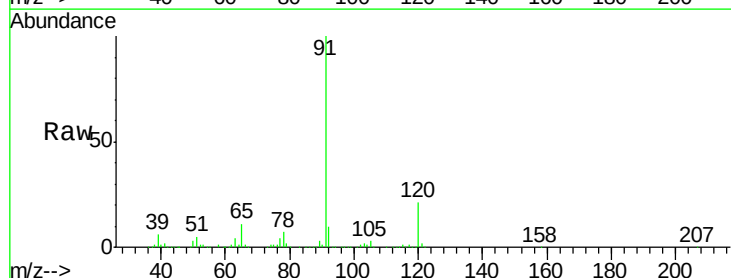
Manual Integrations
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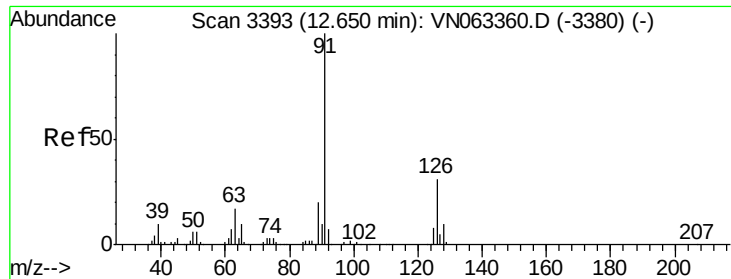
MMDadoda
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#78
n-propylbenzene
Concen: 47.073 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.8	32.3





#79

2-Chlorotoluene

Concen: 48.084 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 535011

Ion Ratio Lower Upper

91 100

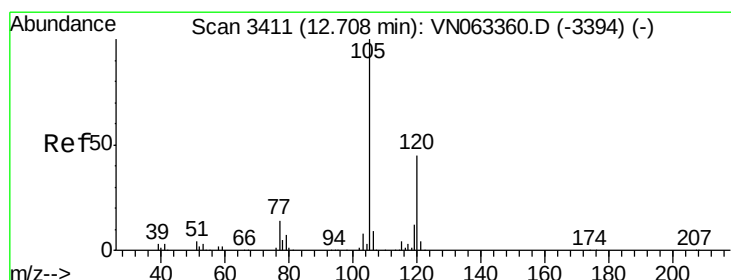
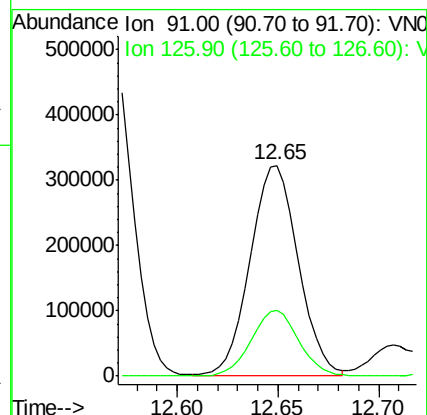
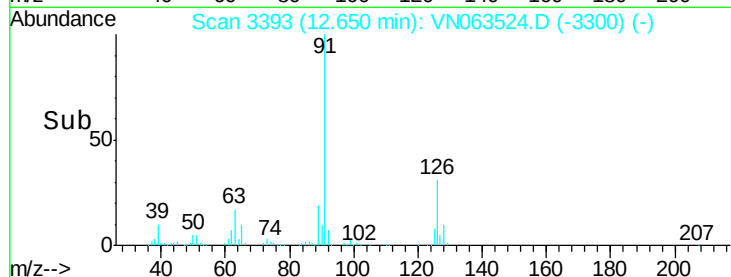
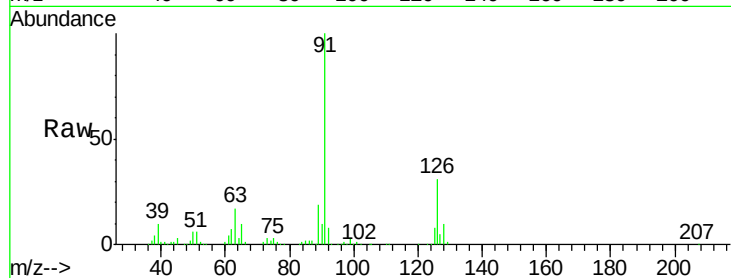
126 31.1 15.8 47.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 47.569 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063524.D

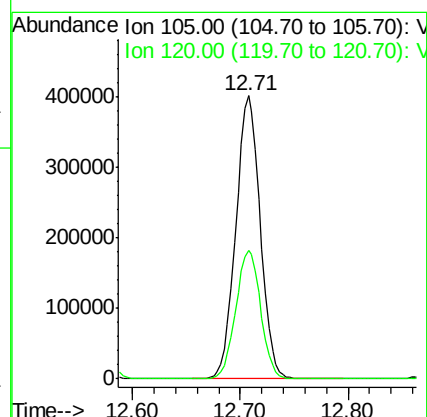
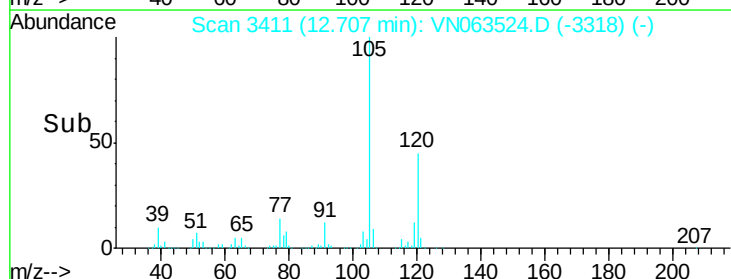
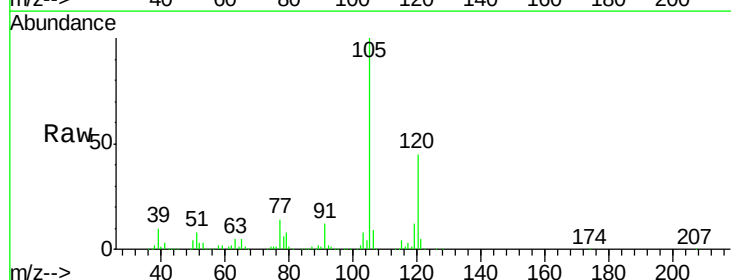
Acq: 22 Sep 2020 7:41

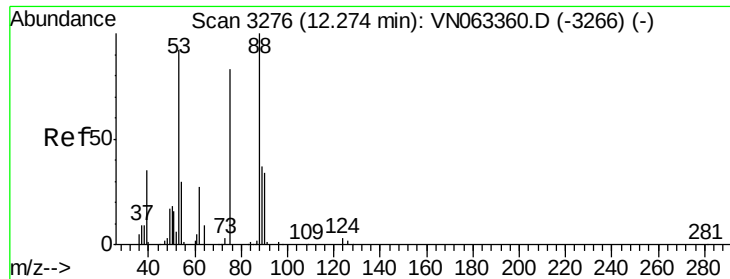
Tgt Ion: 105 Resp: 632135

Ion Ratio Lower Upper

105 100

120 46.2 22.9 68.8





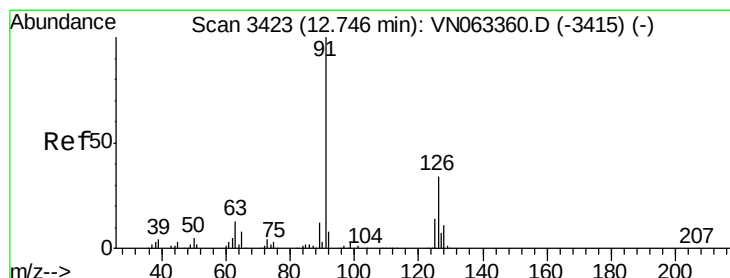
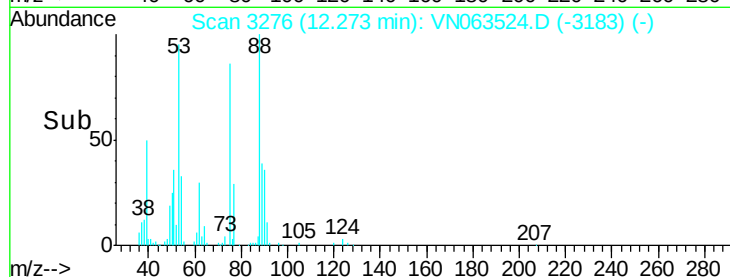
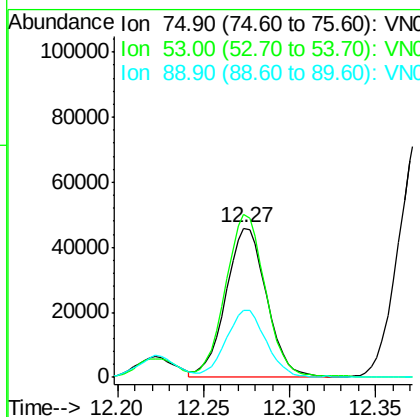
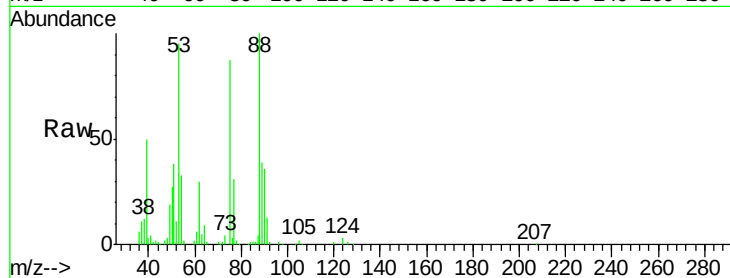
#81
trans-1,4-Dichloro-2-butene
Concen: 41.690 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.5	85.7	128.5
89	45.2	38.0	57.0

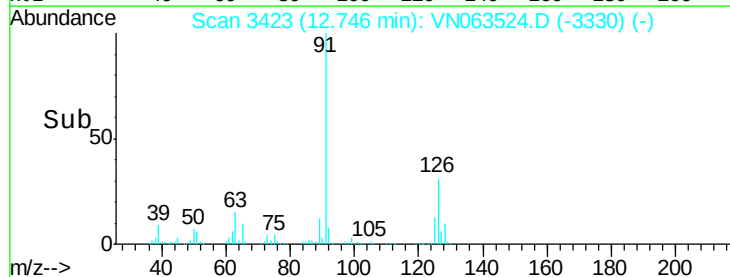
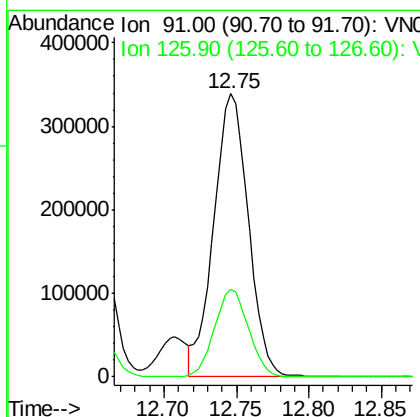
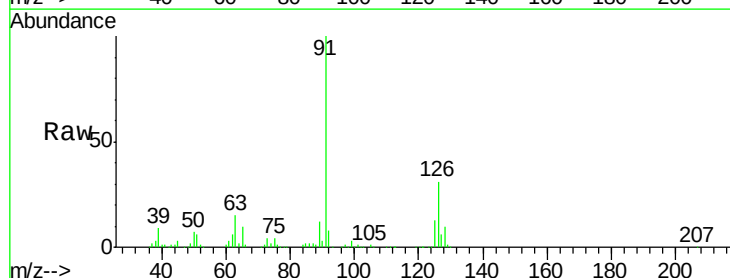
Manual Integrations
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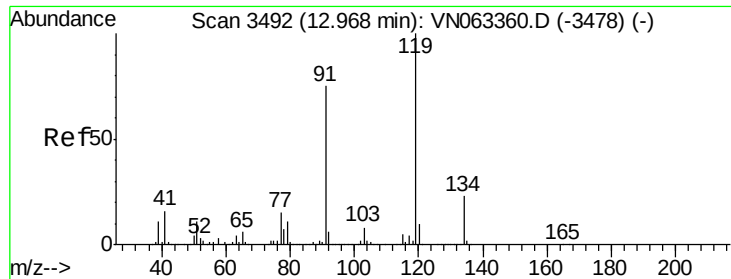
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#82
4-Chlorotoluene
Concen: 47.411 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.5	46.5





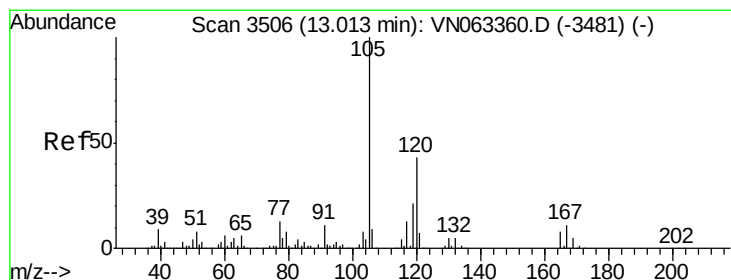
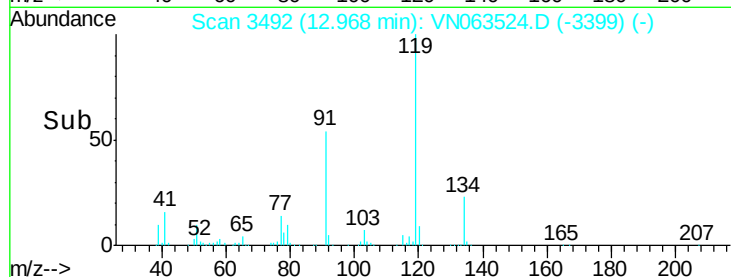
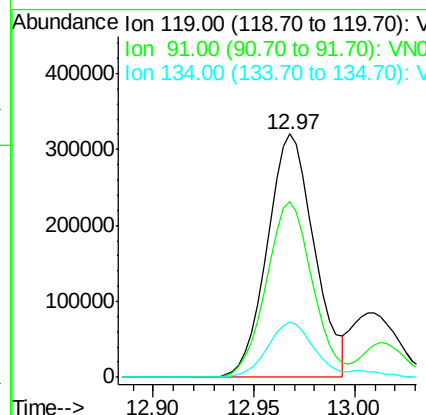
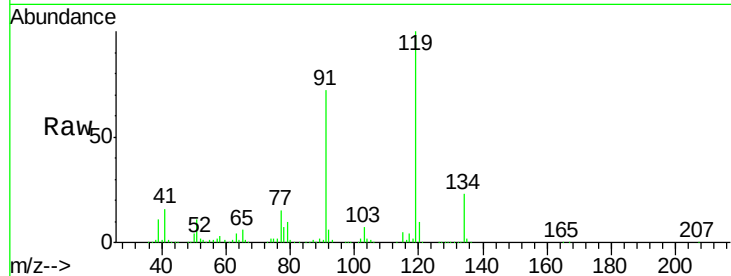
#83
 tert-Butylbenzene
 Concen: 47.363 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	519476		
91	71.0		36.3	108.9
134	22.4		12.3	36.8

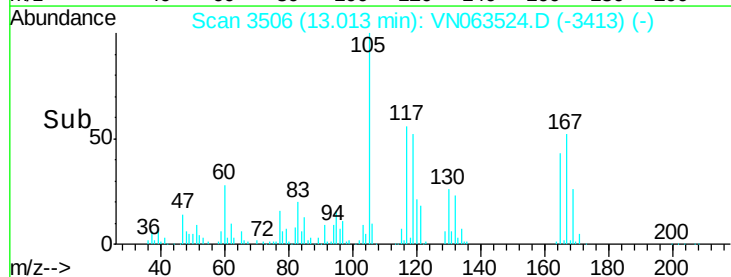
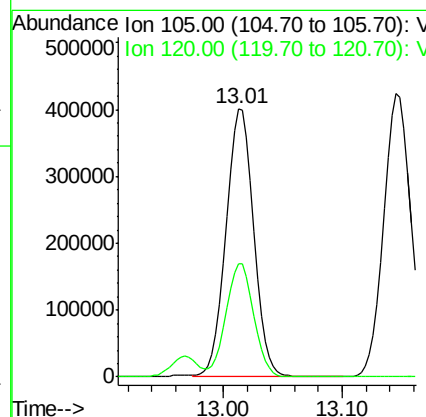
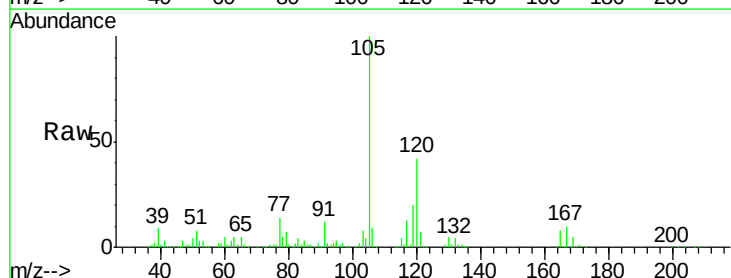
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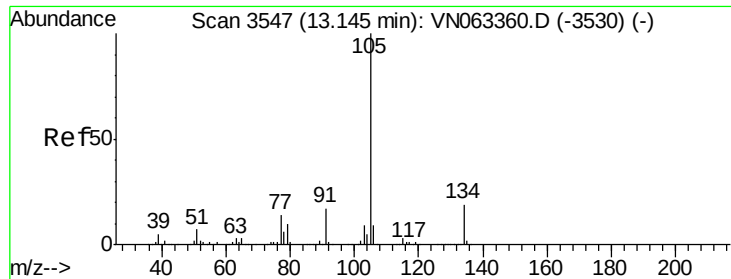
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#84
 1,2,4-Trimethylbenzene
 Concen: 48.099 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	645635		
120	42.7		21.3	63.9





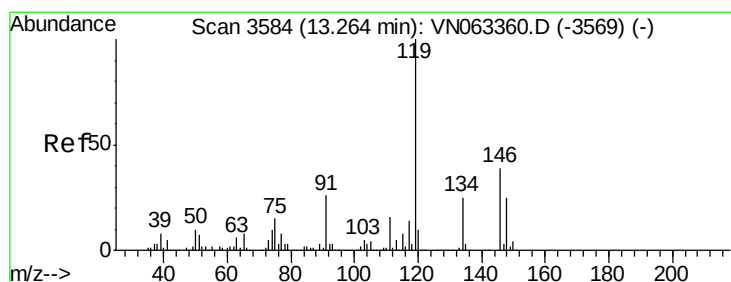
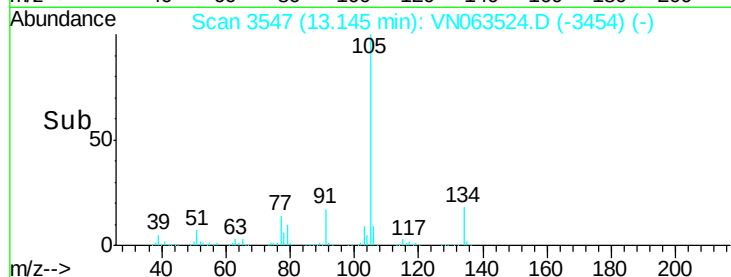
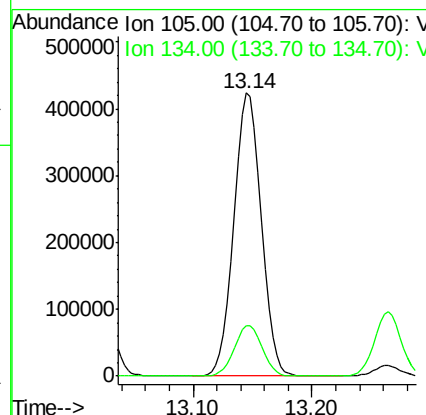
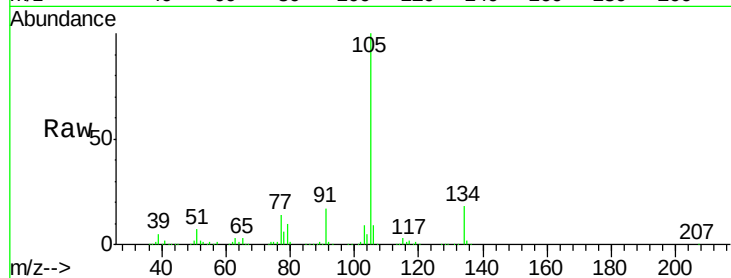
#85
 sec-Butylbenzene
 Concen: 45.941 ug/l
 RT: 13.14 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.3	9.3	27.7

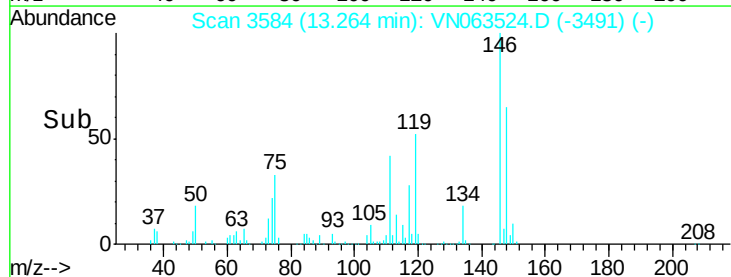
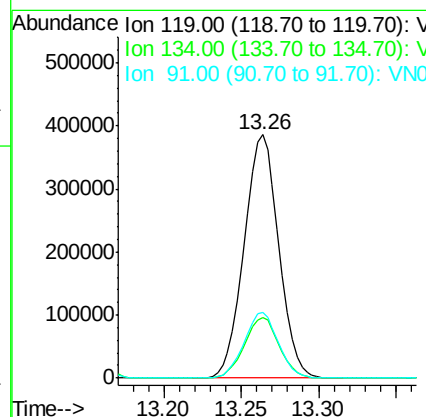
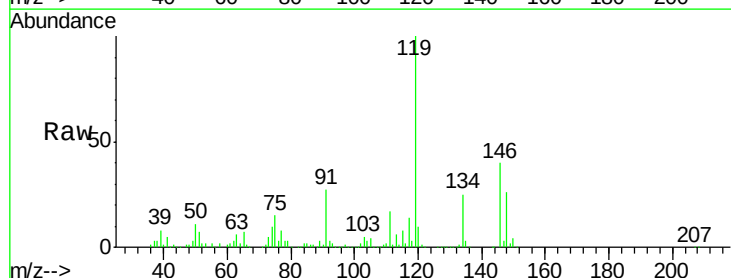
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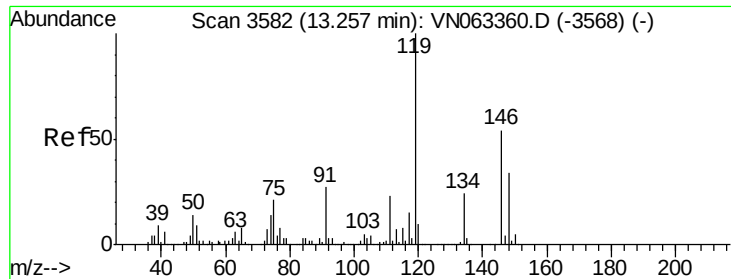
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#86
 p-Isopropyltoluene
 Concen: 46.205 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	26.5	13.4	40.1





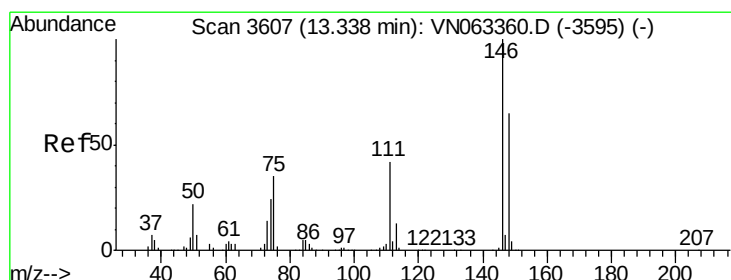
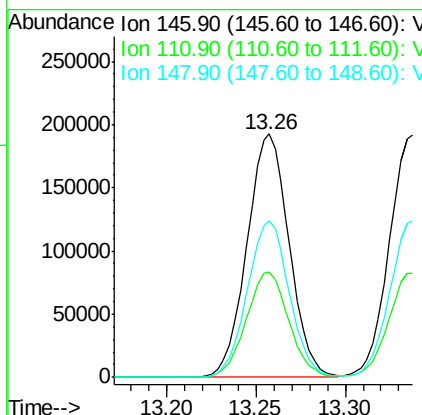
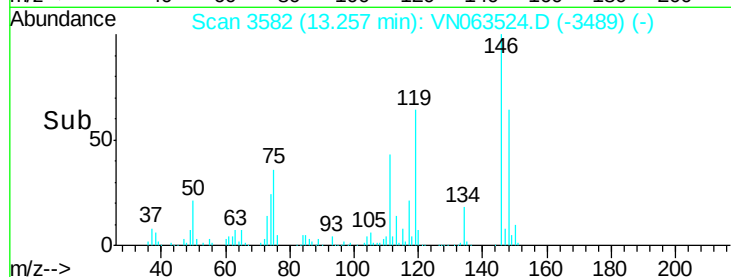
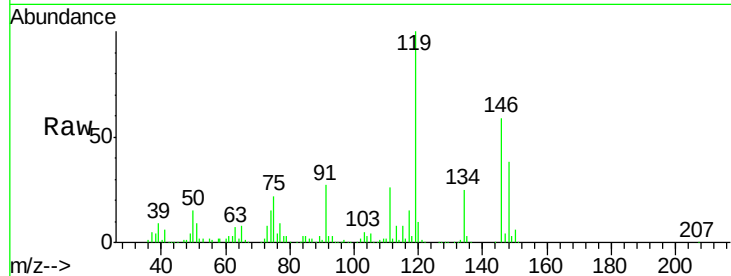
#87
 1,3-Dichlorobenzene
 Concen: 47.790 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	317529		
111	43.6	21.4	64.3	
148	64.3	31.9	95.7	

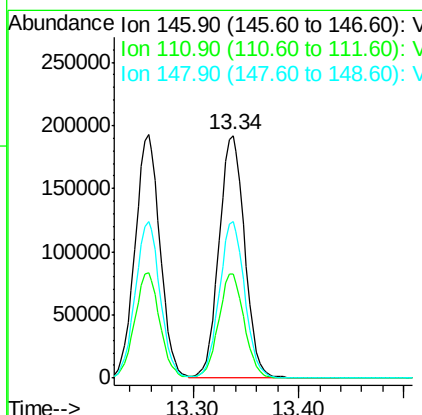
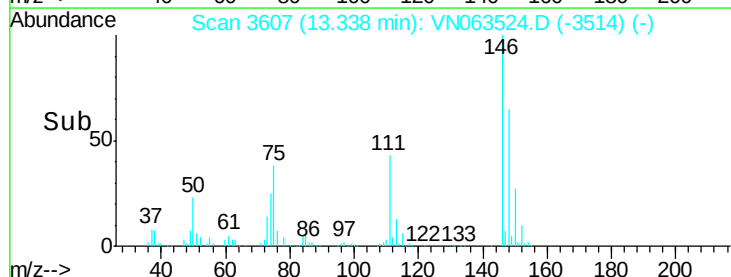
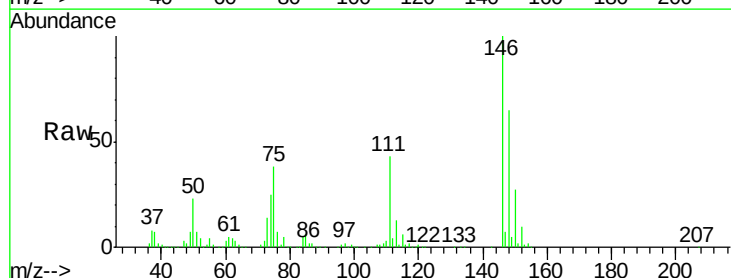
Manual Integrations
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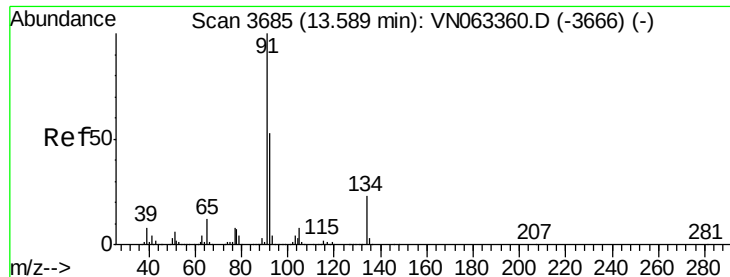
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#88
 1,4-Dichlorobenzene
 Concen: 47.720 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	322363		
111	42.4	21.2	63.6	
148	63.5	31.9	95.9	





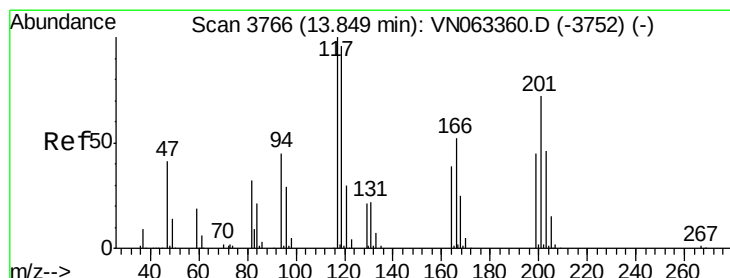
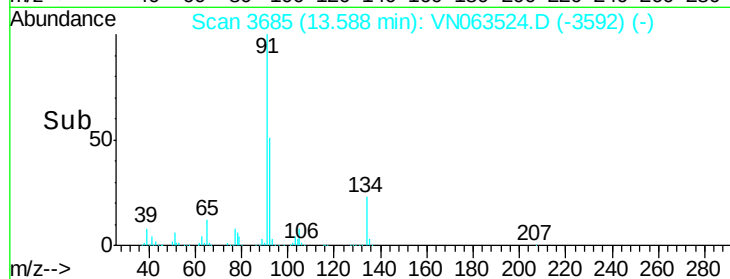
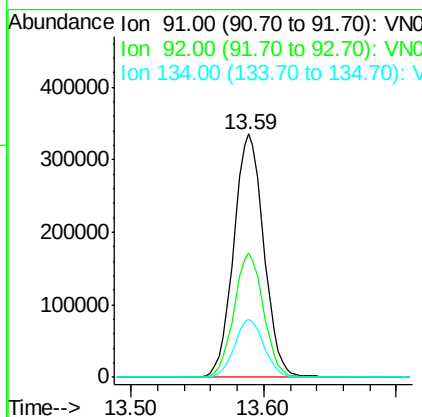
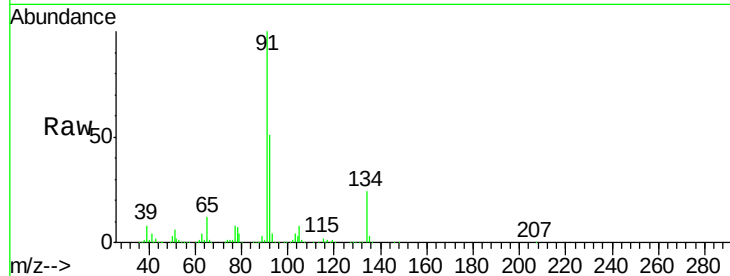
#89
n-Butylbenzene
Concen: 44.240 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	26.0	78.0
134	23.4	11.7	35.0

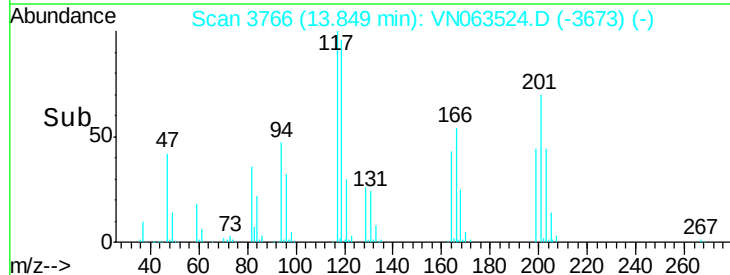
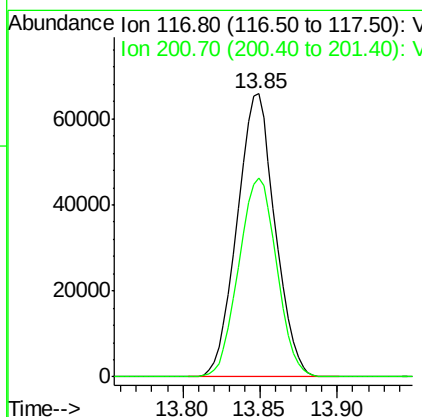
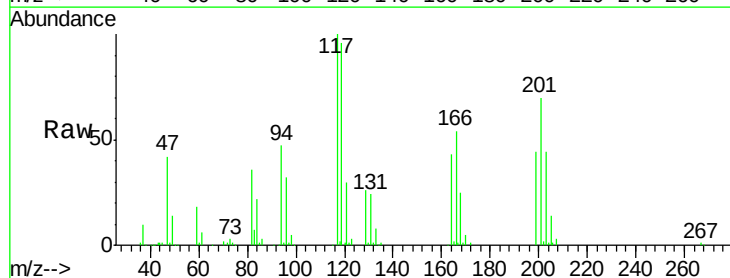
Manual Integrations
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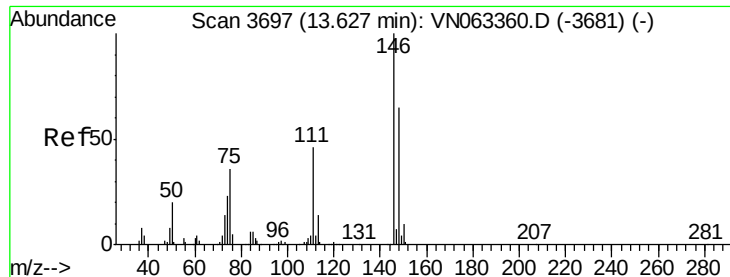
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#90
Hexachloroethane
Concen: 45.516 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.4	35.5	106.7





#91

1,2-Dichlorobenzene

Concen: 48.324 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063524.D

Acq: 22 Sep 2020 7:41

Instrument :

MSVOA_N

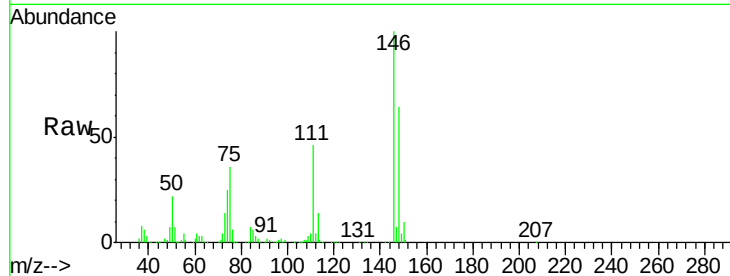
ClientSampleId :

VSTDCCC050EC

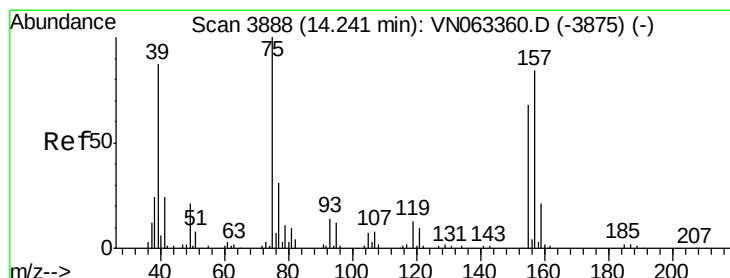
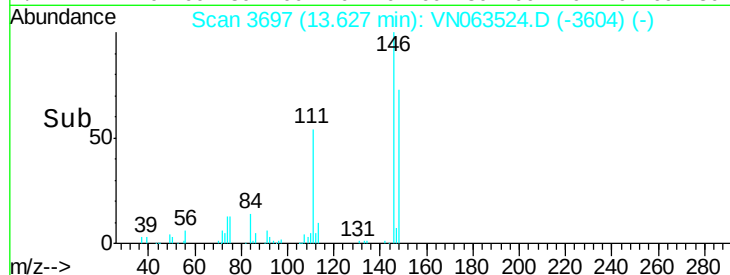
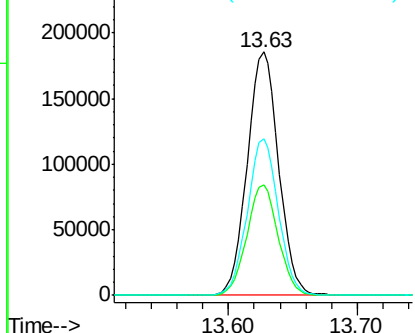
Tot Ion:	146	Resp:	315226
Ion Ratio	Lower	Upper	
146	100		
111	45.4	22.4	67.2
148	63.5	32.0	96.0

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.967 ug/l

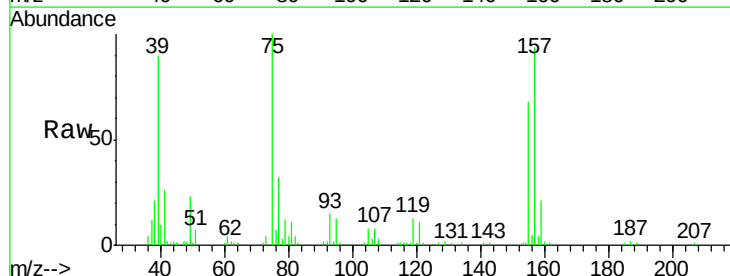
RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

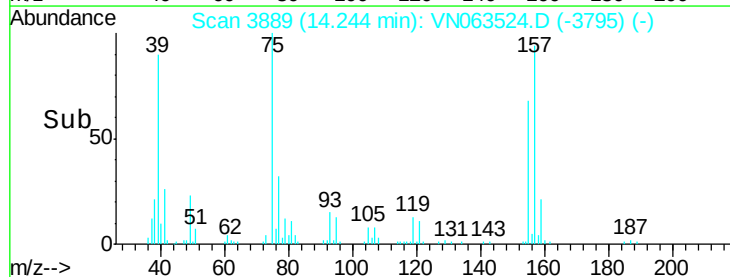
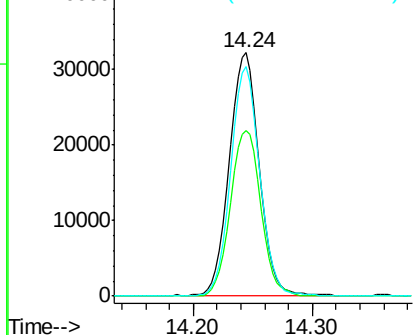
Lab File: VN063524.D

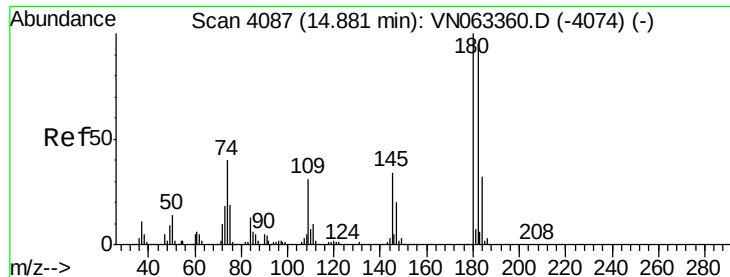
Acq: 22 Sep 2020 7:41

Tgt Ion:	75	Resp:	56362
Ion Ratio	Lower	Upper	
75	100		
155	68.8	34.6	103.9
157	91.0	43.7	131.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





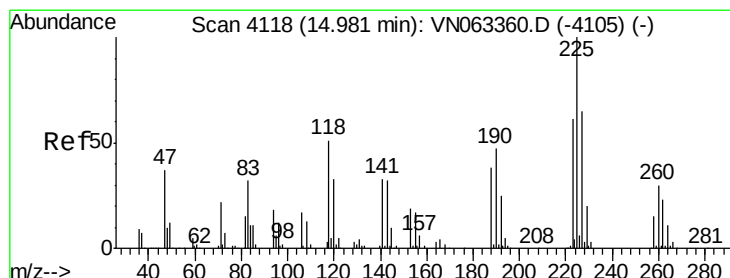
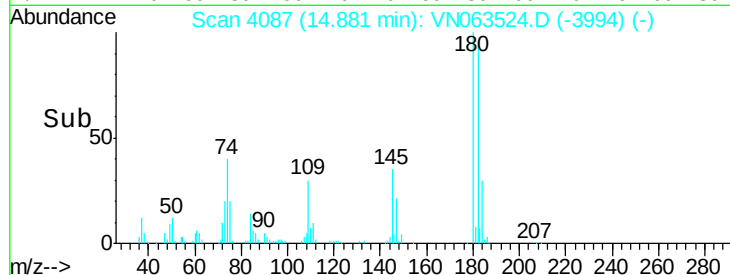
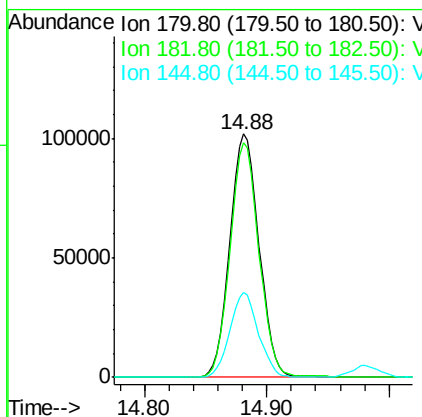
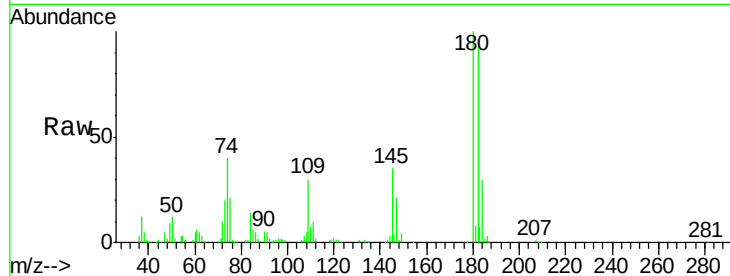
#93
 1,2,4-Trichlorobenzene
 Concen: 44.362 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	170603		
182	94.9	47.3	142.0	
145	34.0	16.6	49.7	

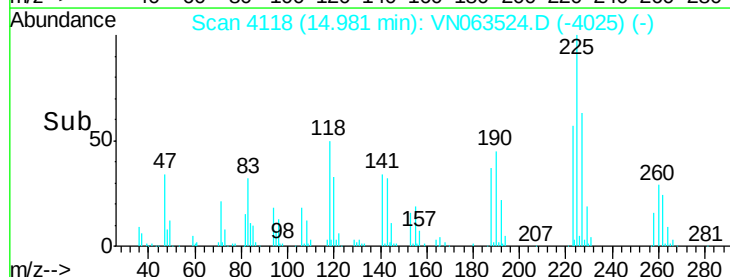
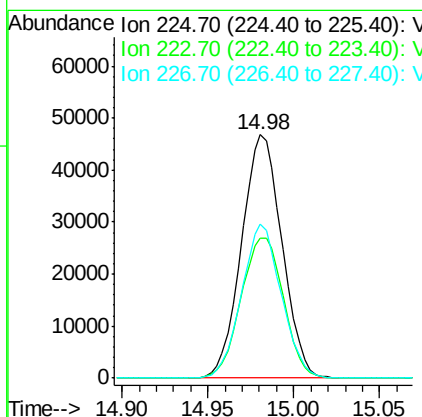
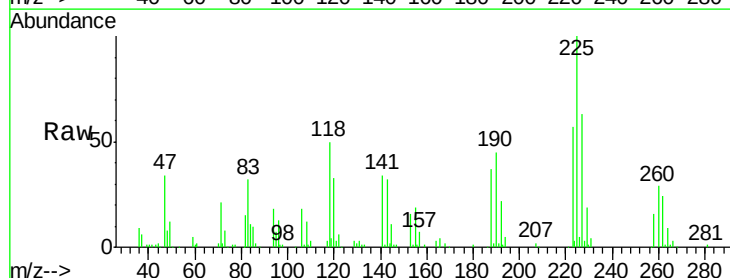
Manual Integrations
 APPROVED

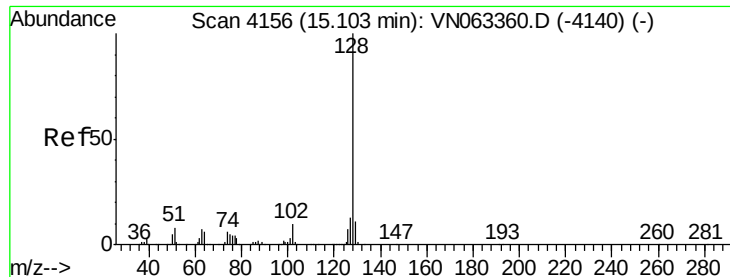
MMDadoda
 9/22/2020 2:08:46 PM



#94
 Hexachlorobutadiene
 Concen: 47.968 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063524.D
 Acq: 22 Sep 2020 7:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76368		
223	60.5	30.6	91.6	
227	62.2	31.2	93.6	





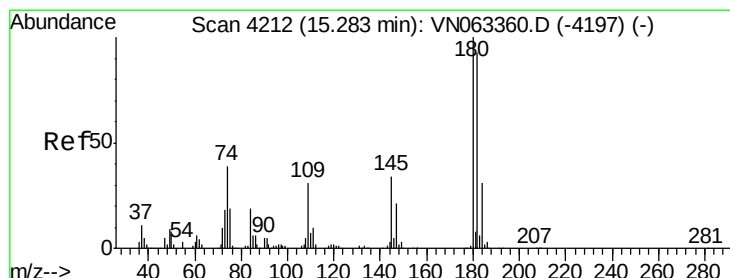
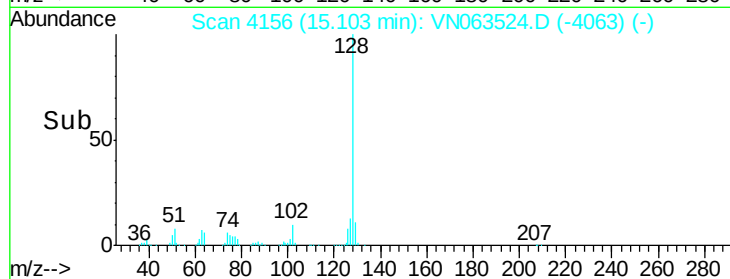
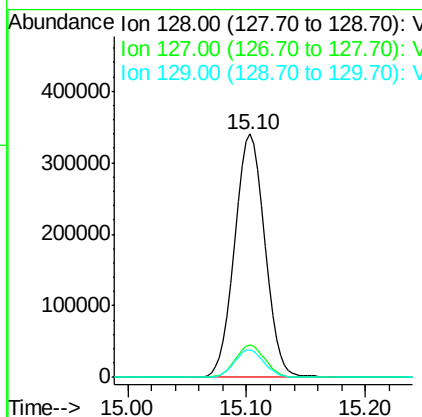
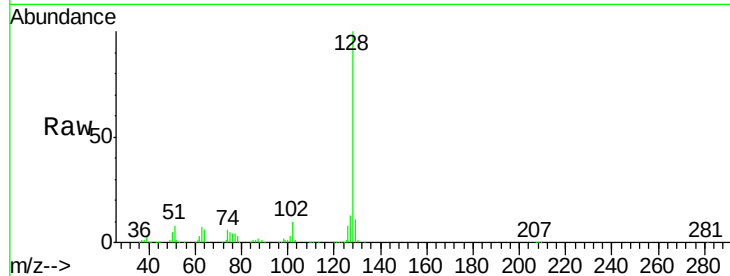
#95
Naphthalene
Concen: 47.227 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		600029		
127	13.0		10.6	15.8	
129	11.0		8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
9/22/2020 2:08:46 PM



#96
1,2,3-Trichlorobenzene
Concen: 45.806 ug/l
RT: 15.28 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN063524.D
Acq: 22 Sep 2020 7:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		170202		
182	94.5		46.7	140.1	
145	33.6		16.8	50.3	

