

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063379.D
 Acq On : 16 Sep 2020 21:05
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:09:58 PM

Quant Time: Sep 17 04:43:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	284761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	507997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	469355	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	225259	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	215821	44.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.04%	
35) Dibromofluoromethane	7.55	113	152536	43.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.74%	
50) Toluene-d8	10.06	98	584303	44.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.38%	
62) 4-Bromofluorobenzene	12.38	95	224894	46.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	151983	47.111	ug/l	99
3) Chloromethane	2.04	50	197761	46.338	ug/l	99
4) Vinyl Chloride	2.16	62	185643	49.097	ug/l	99
5) Bromomethane	2.53	94	111113	49.493	ug/l	97
6) Chloroethane	2.67	64	107251	46.208	ug/l	99
7) Trichlorofluoromethane	2.99	101	271345	48.099	ug/l	100
8) Diethyl Ether	3.38	74	106527	48.439	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	149143	47.009	ug/l	99
10) Methyl Iodide	3.91	142	198139	47.969	ug/l	99
11) Tert butyl alcohol	4.73	59	147324	219.384	ug/l	99
12) 1,1-Dichloroethene	3.70	96	151599	47.176	ug/l	98
13) Acrolein	3.57	56	103883	417.434	ug/l	99
14) Allyl chloride	4.28	41	302402	47.574	ug/l	98
15) Acrylonitrile	4.93	53	405468	237.371	ug/l	100
16) Acetone	3.77	43	355432	228.153	ug/l	99
17) Carbon Disulfide	4.01	76	429671	45.968	ug/l	99
18) Methyl Acetate	4.28	43	185270	46.846	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	556794	46.489	ug/l	99
20) Methylene Chloride	4.51	84	180905	45.833	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	164624	46.239	ug/l	98
22) Diisopropyl ether	5.90	45	615277	47.462	ug/l	99
23) Vinyl Acetate	5.84	43	2583462	242.655	ug/l	100
24) 1,1-Dichloroethane	5.80	63	337497	47.685	ug/l	99
25) 2-Butanone	6.78	43	553474	231.002	ug/l	98
26) 2,2-Dichloropropane	6.78	77	263108	42.223	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	192805	47.845	ug/l	100
28) Bromochloromethane	7.15	49	150343	46.006	ug/l	99
29) Tetrahydrofuran	7.16	42	374947	229.130	ug/l	99
30) Chloroform	7.33	83	339623	47.829	ug/l	99
31) Cyclohexane	7.61	56	290116	43.335	ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	297995	47.183	ug/l	99
36) 1,1-Dichloropropene	7.75	75	248036	45.831	ug/l	100
37) Ethyl Acetate	6.88	43	243916	45.921	ug/l	99
38) Carbon Tetrachloride	7.74	117	253506	45.887	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	266833	45.428	ug/l	98
40) Benzene	8.00	78	718046	46.478	ug/l	99
41) Methacrylonitrile	7.14	41	121243m	50.751	ug/l	
42) 1,2-Dichloroethane	8.09	62	287164	46.221	ug/l	99
43) Isopropyl Acetate	8.13	43	427076	44.966	ug/l #	90
44) Trichloroethene	8.80	130	172180	45.950	ug/l	99
45) 1,2-Dichloropropane	9.08	63	201462	47.879	ug/l	99
46) Dibromomethane	9.17	93	127956	46.268	ug/l	98
47) Bromodichloromethane	9.37	83	274340	47.750	ug/l	100
48) Methyl methacrylate	9.17	41	212771	45.597	ug/l	98
49) 1,4-Dioxane	9.16	88	59391	886.905	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	1239720	233.154	ug/l	100
52) Toluene	10.13	92	452308	48.695	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	300883	46.910	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	317863	46.983	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	175029	47.440	ug/l	98
56) Ethyl methacrylate	10.40	69	277700	48.214	ug/l	99
57) 1,3-Dichloropropane	10.68	76	312460	46.963	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	720234	238.375	ug/l	99
59) 2-Hexanone	10.72	43	906245	235.257	ug/l	100
60) Dibromochloromethane	10.87	129	200071	48.000	ug/l	100
61) 1,2-Dibromoethane	10.98	107	183209	47.797	ug/l	97
64) Tetrachloroethene	10.60	164	148634	46.507	ug/l	96
65) Chlorobenzene	11.41	112	468236	46.997	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	175798	48.136	ug/l	99
67) Ethyl Benzene	11.48	91	893266	47.609	ug/l	100
68) m/p-Xylenes	11.59	106	643044	95.058	ug/l	98
69) o-Xylene	11.92	106	312758	48.533	ug/l	100
70) Styrene	11.94	104	539579	49.930	ug/l	99
71) Bromoform	12.10	173	133358	49.016	ug/l #	99
73) Isopropylbenzene	12.23	105	849313	47.051	ug/l	100
74) N-amyl acetate	12.05	43	401228	46.956	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	258880	46.318	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	260491m	46.721	ug/l	
77) Bromobenzene	12.50	156	197228	48.573	ug/l	97
78) n-propylbenzene	12.57	91	994245	47.290	ug/l	99
79) 2-Chlorotoluene	12.65	91	591668	46.947	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	721533	47.935	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	90453	44.478	ug/l	98
82) 4-Chlorotoluene	12.75	91	626354	47.037	ug/l	99
83) tert-Butylbenzene	12.97	119	594111	47.823	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	721021	47.423	ug/l	99
85) sec-Butylbenzene	13.15	105	789168	47.457	ug/l	99
86) p-Isopropyltoluene	13.26	119	697751	47.572	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	352202	46.799	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	355447	46.454	ug/l	100
89) n-Butylbenzene	13.59	91	629765	46.582	ug/l	99
90) Hexachloroethane	13.85	117	131286	47.008	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	348014	47.100	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	59102	44.407	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	195110	44.792	ug/l	99
94) Hexachlorobutadiene	14.98	225	78948	43.779	ug/l	98
95) Naphthalene	15.10	128	646130	44.898	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	183479	43.594	ug/l	99

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

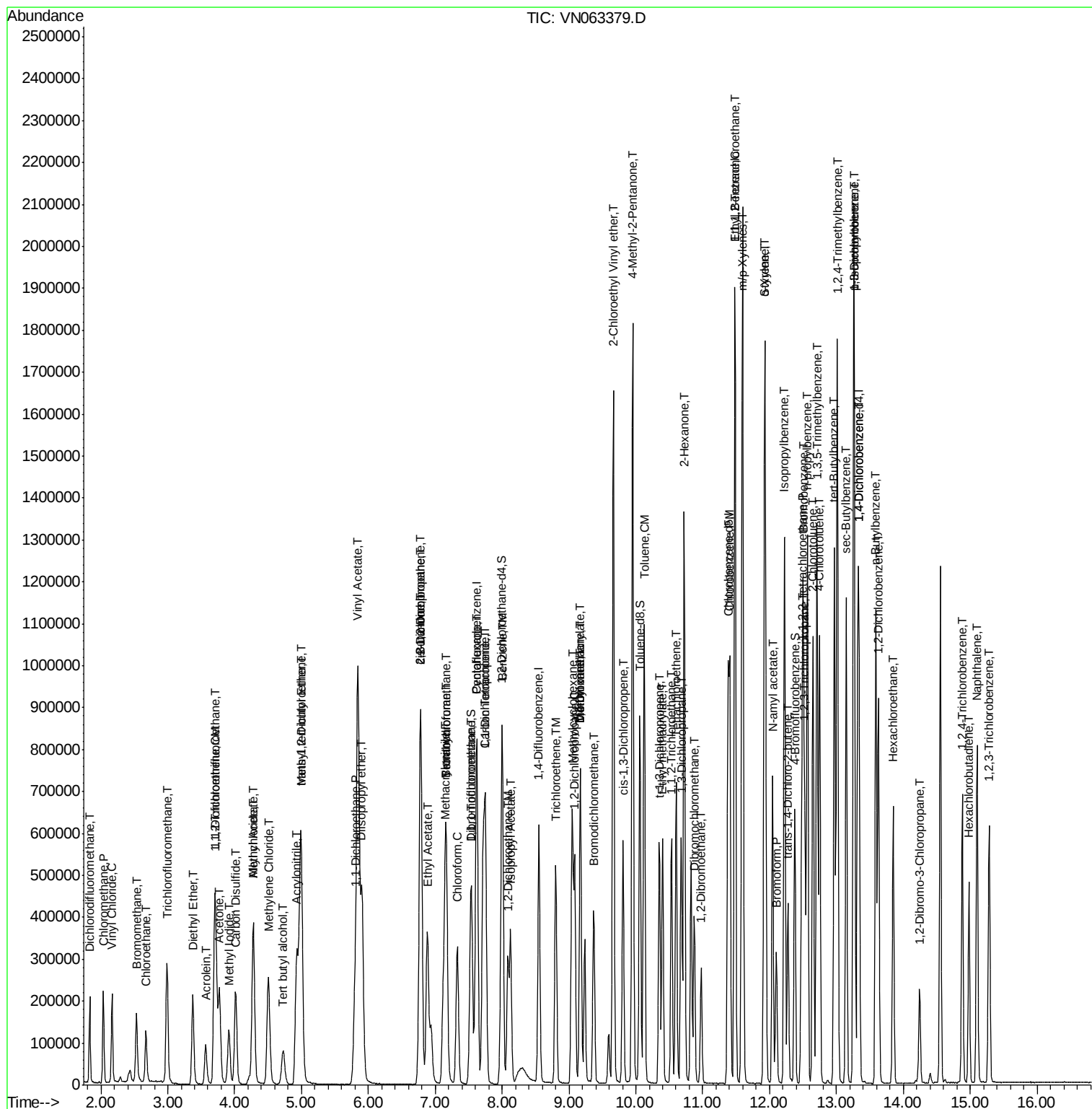
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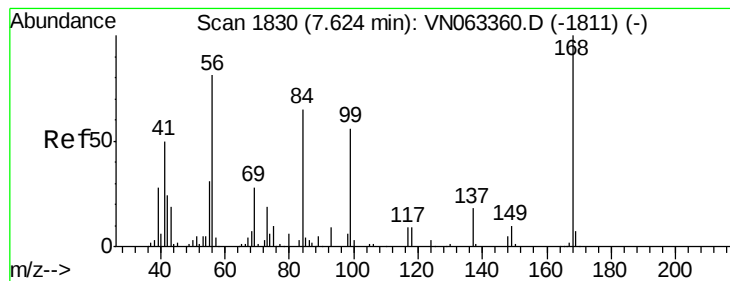
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 284761

Ion Ratio Lower Upper

168 100

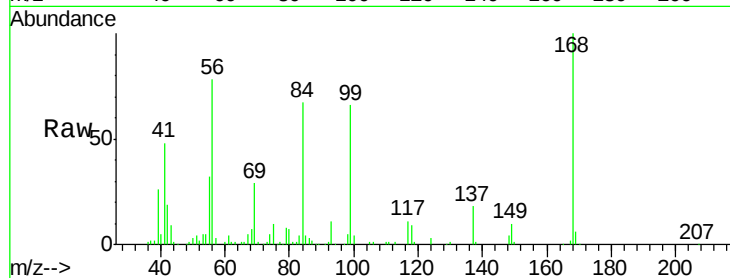
99 65.2 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

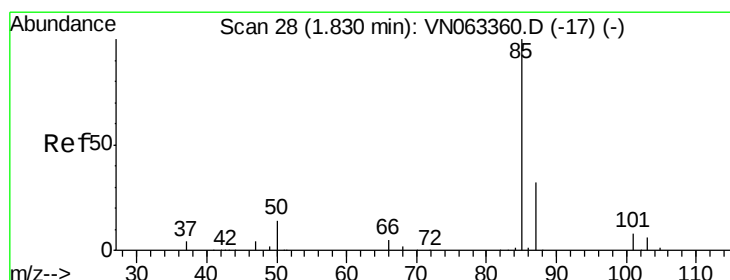
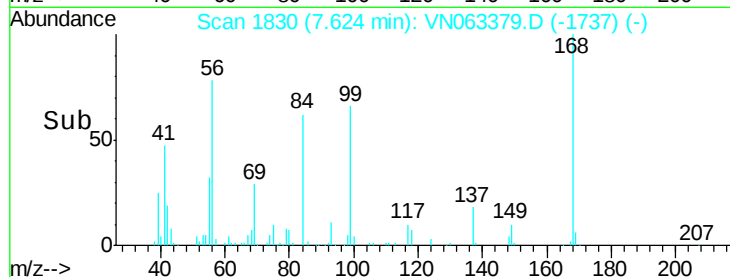
7.62

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.111 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063379.D

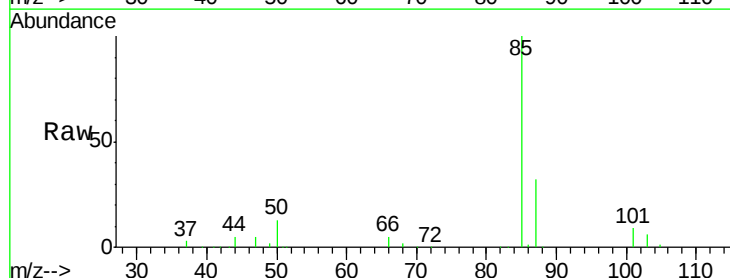
Acq: 16 Sep 2020 21:05

Tgt Ion: 85 Resp: 151983

Ion Ratio Lower Upper

85 100

87 32.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

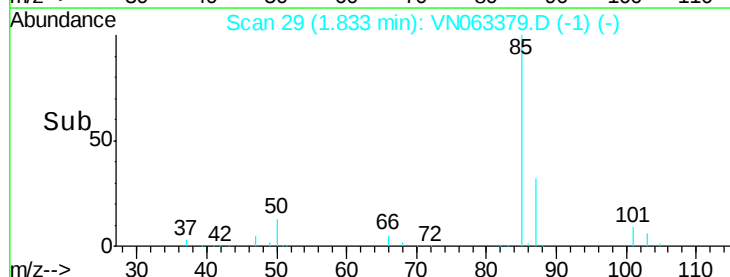
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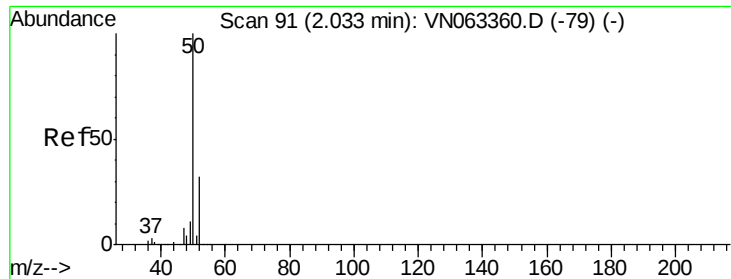
40000

20000

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Time-->





#3

Chloromethane

Concen: 46.338 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 197761

Ion Ratio Lower Upper

50 100

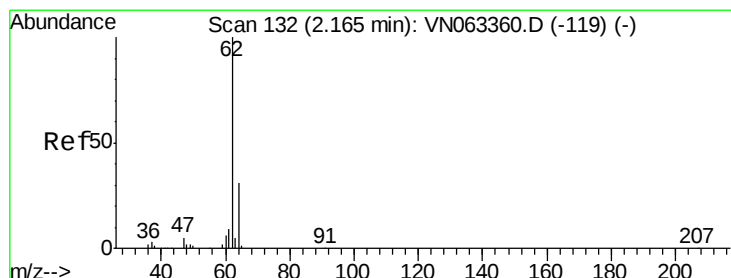
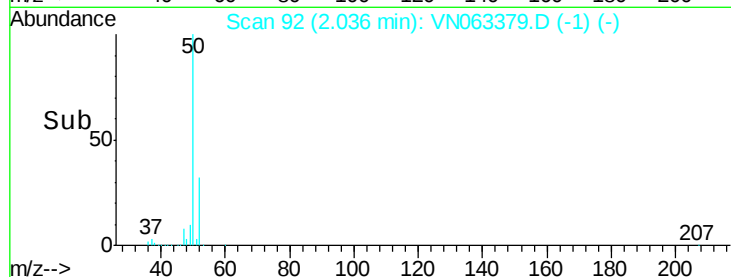
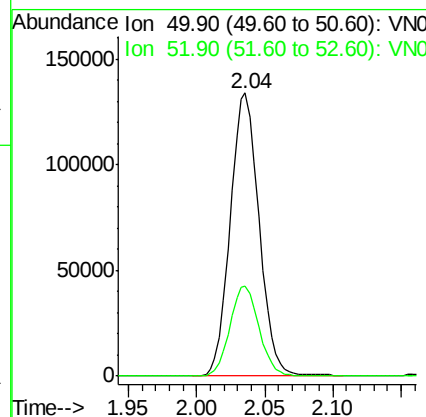
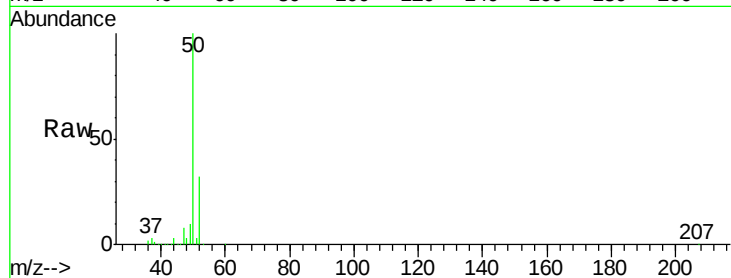
52 31.9 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.097 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063379.D

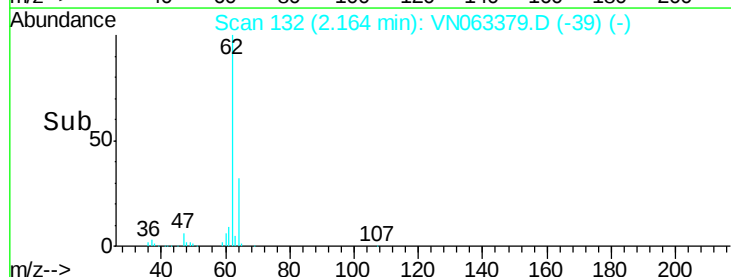
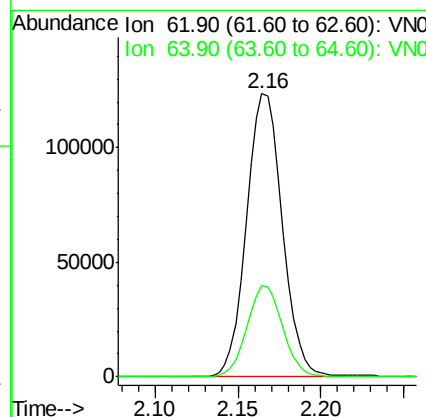
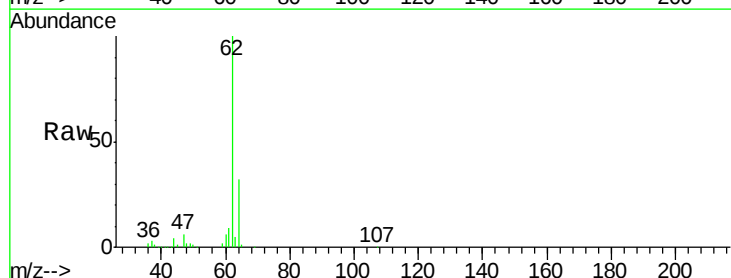
Acq: 16 Sep 2020 21:05

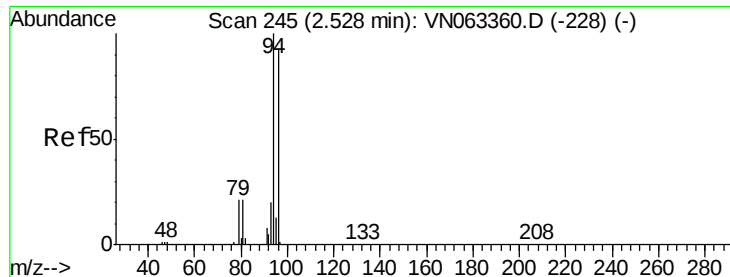
Tgt Ion: 62 Resp: 185643

Ion Ratio Lower Upper

62 100

64 32.2 25.1 37.7





#5

Bromomethane

Concen: 49.493 ug/l

RT: 2.53 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 111113

Ion Ratio Lower Upper

94 100

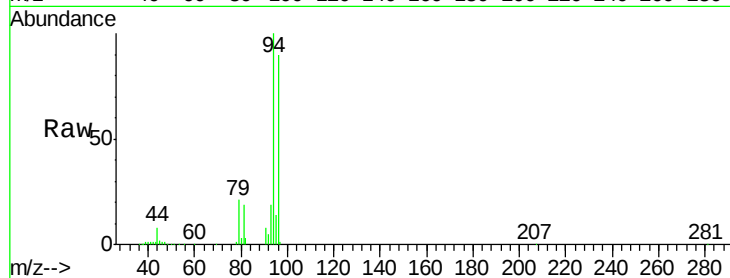
96 90.0 74.5 111.7

Manual Integrations

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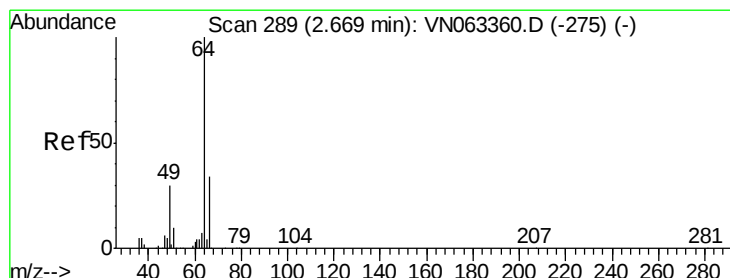
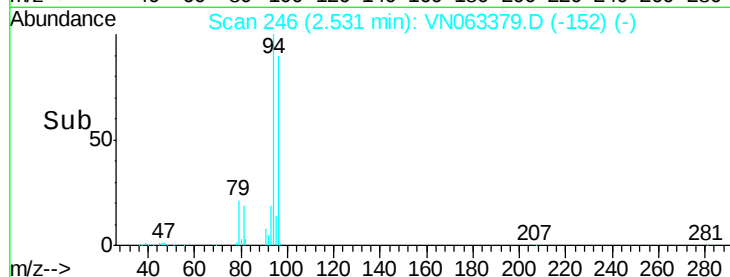
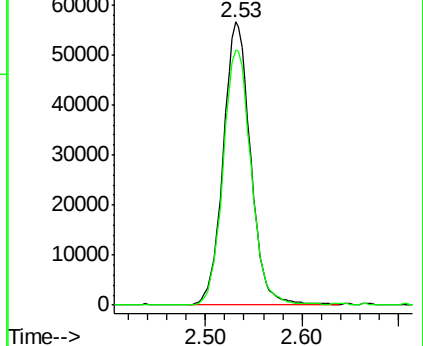
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Abundance Ion 93.90 (93.60 to 94.60): VN063379.D

Ion 95.90 (95.60 to 96.60): VN063379.D



#6

Chloroethane

Concen: 46.208 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063379.D

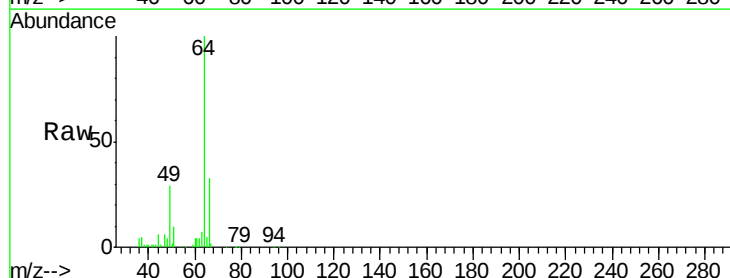
Acq: 16 Sep 2020 21:05

Tgt Ion: 64 Resp: 107251

Ion Ratio Lower Upper

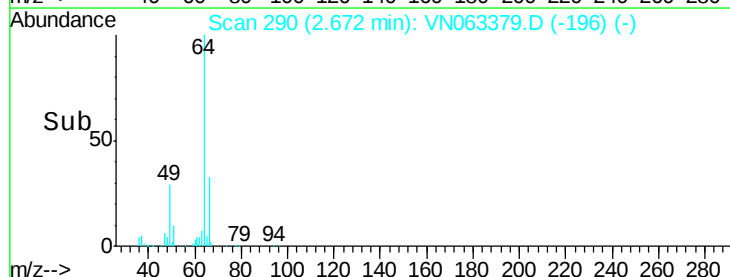
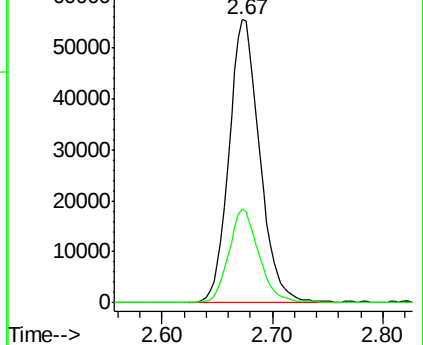
64 100

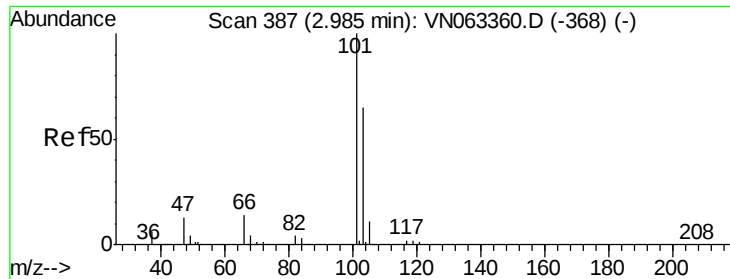
66 33.0 26.9 40.3



Abundance Ion 63.90 (63.60 to 64.60): VN063379.D

Ion 65.90 (65.60 to 66.60): VN063379.D





#7

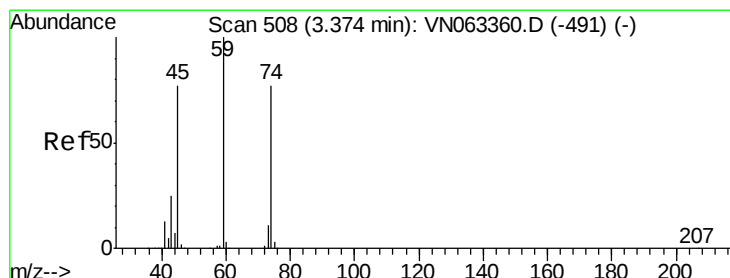
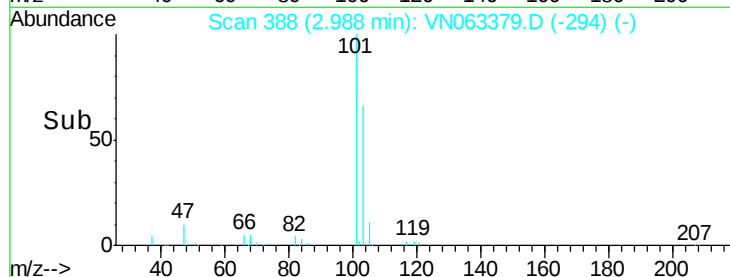
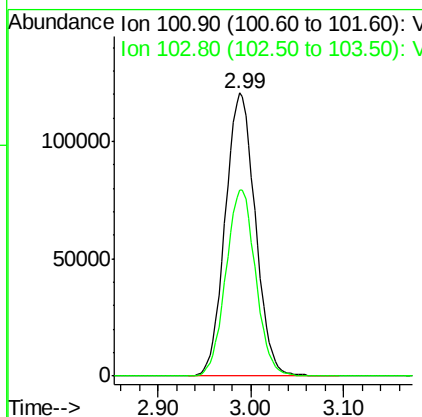
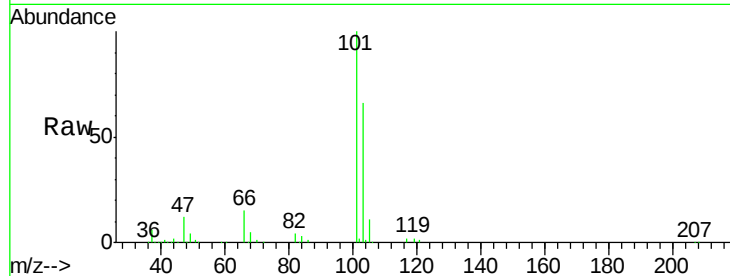
Trichlorofluoromethane
 Concen: 48.099 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	52.3	78.5

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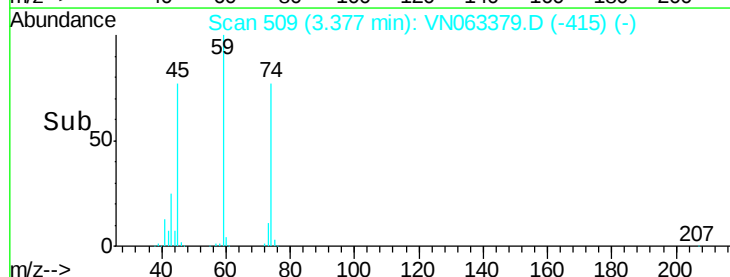
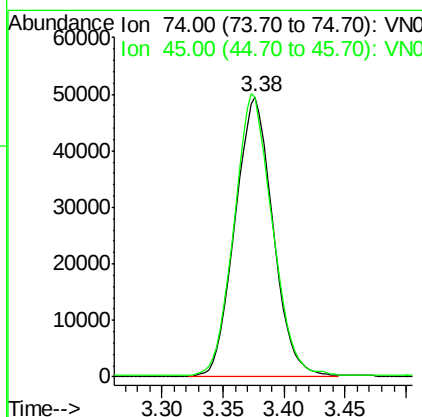
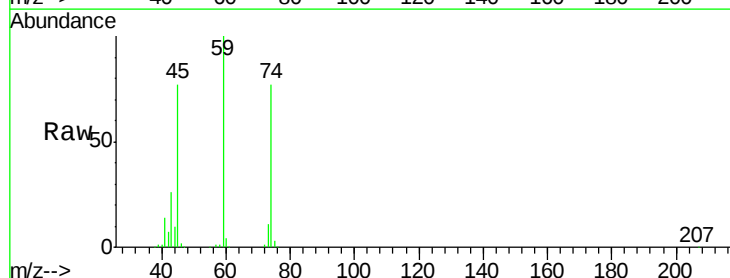
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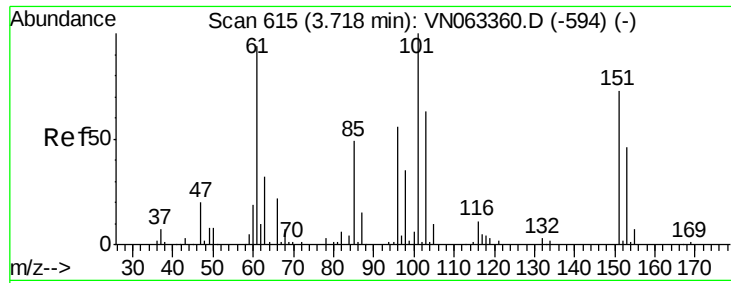


#8

Diethyl Ether
 Concen: 48.439 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN063379.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	52.1	156.4





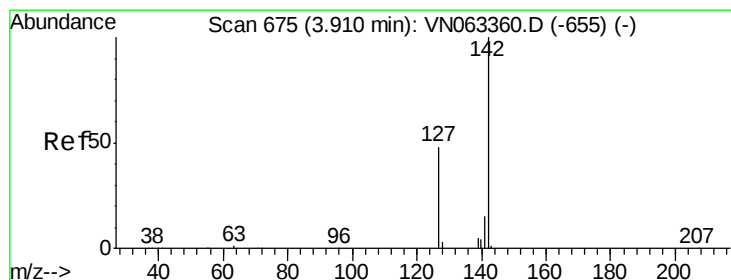
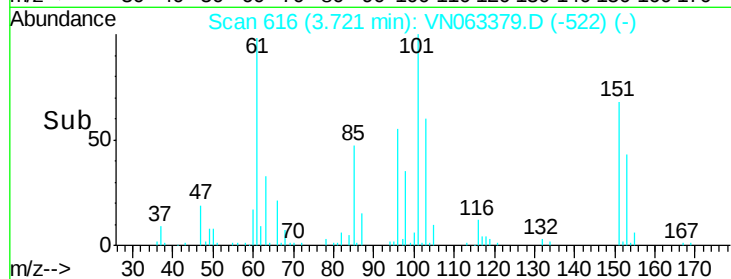
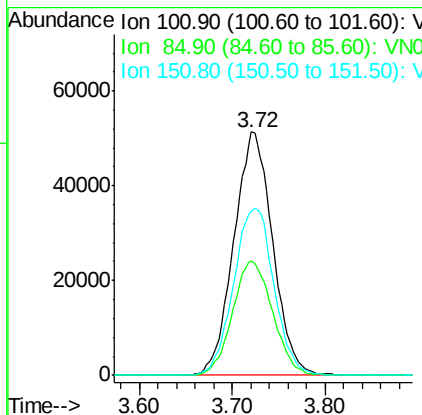
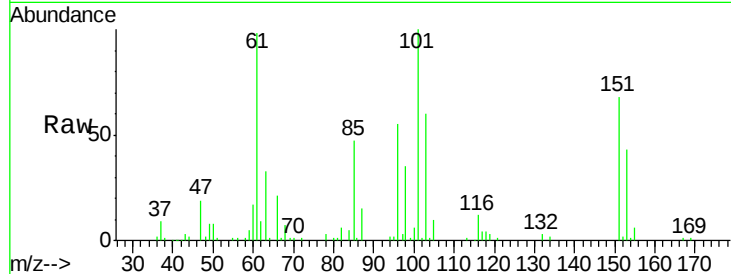
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.009 ug/l
RT: 3.72 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	149143		
85	48.4	37.7	56.5	
151	71.4	57.7	86.5	

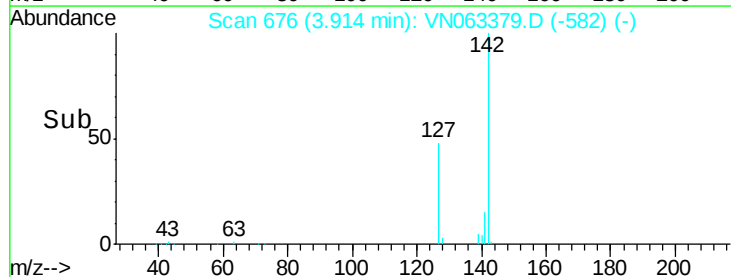
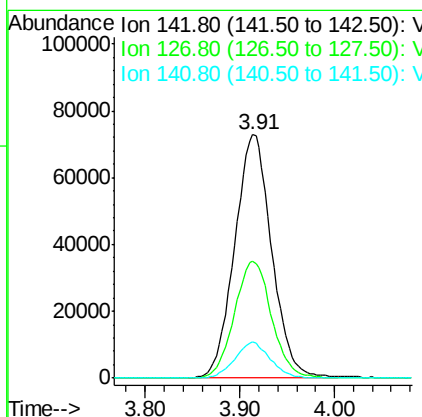
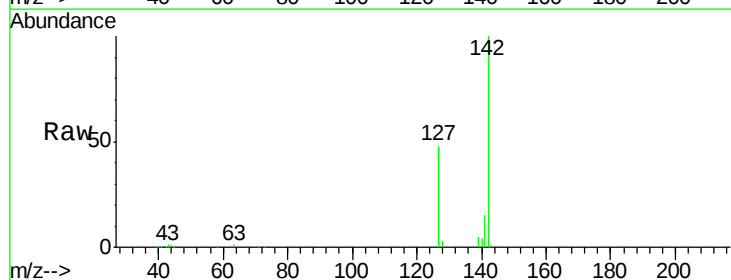
Manual Integrations
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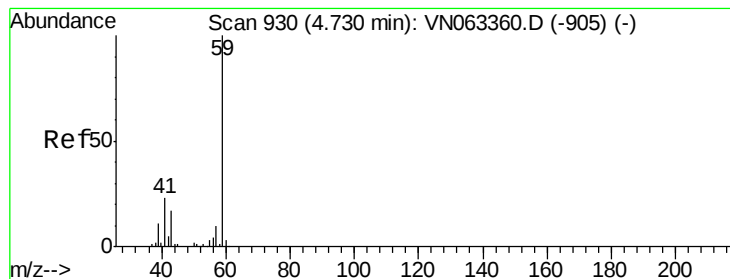
MMDadoda
9/17/2020 1:09:58 PM



#10
Methyl Iodide
Concen: 47.969 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	198139		
127	48.3	39.0	58.6	
141	14.3	11.6	17.4	





#11

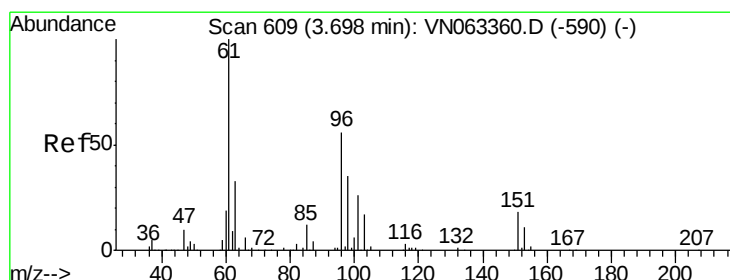
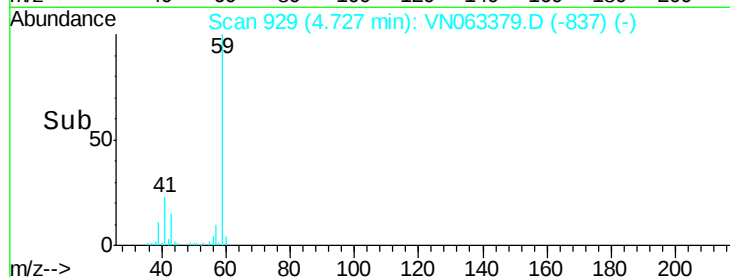
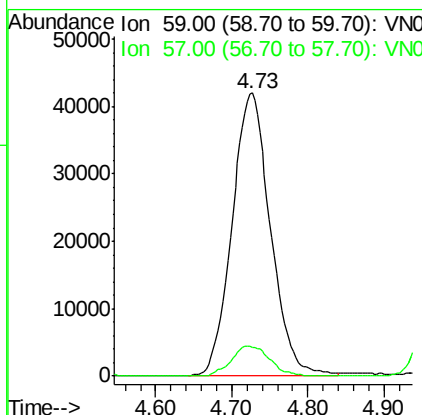
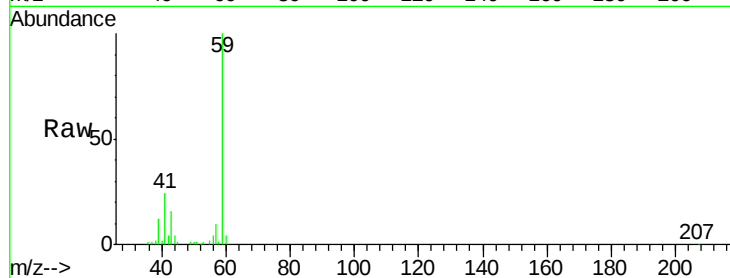
Tert butyl alcohol
 Concen: 219.384 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.4	12.6

Manual Integrations
 APPROVED

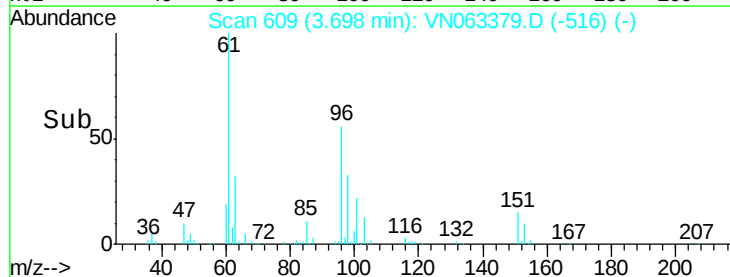
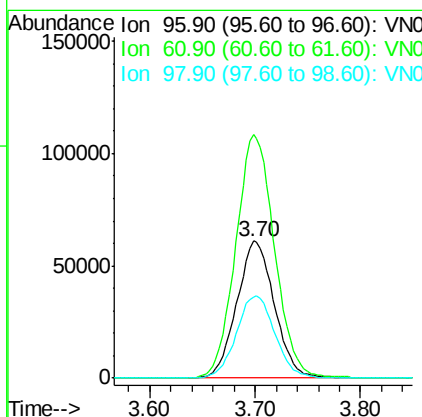
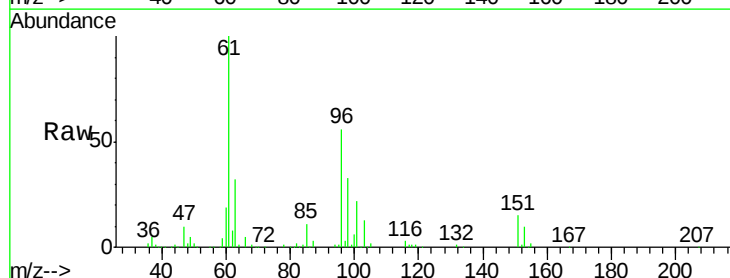
MMDadoda
 9/17/2020 1:09:58 PM

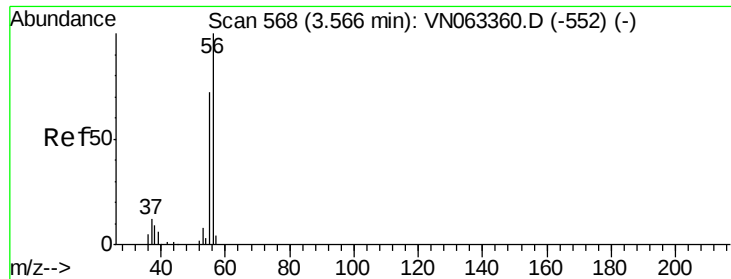


#12

1,1-Dichloroethene
 Concen: 47.176 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.5	143.4	215.2
98	59.1	50.6	76.0





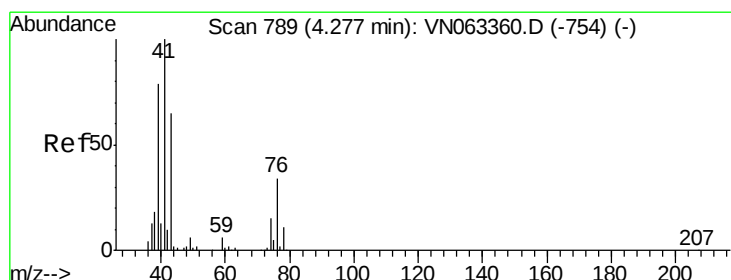
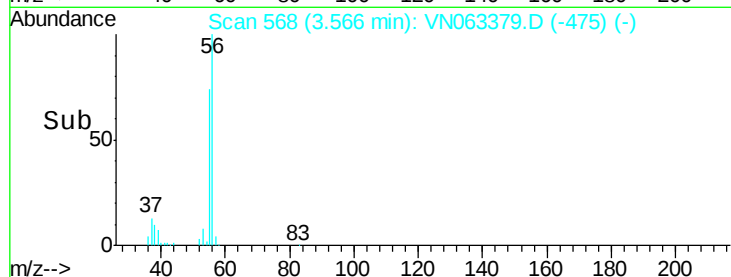
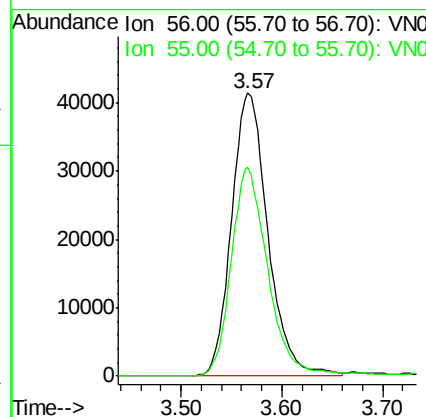
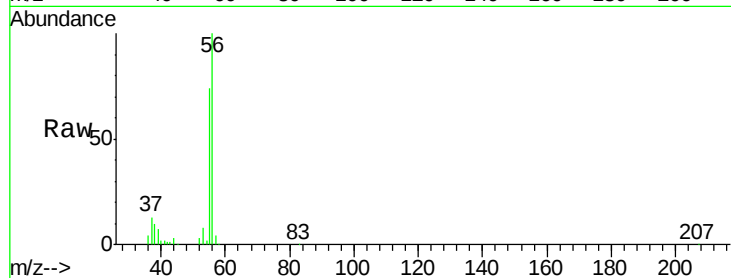
#13
Acrolein
Concen: 417.434 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 103883
Ion Ratio Lower Upper
56 100
55 73.7 58.2 87.2

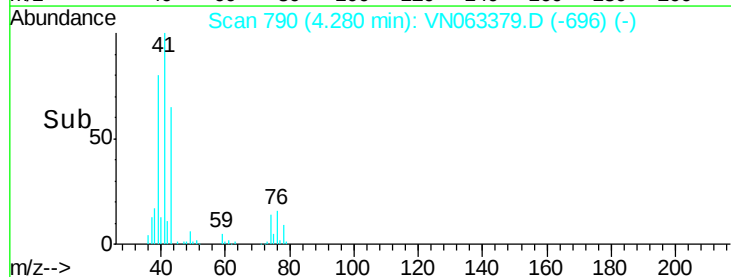
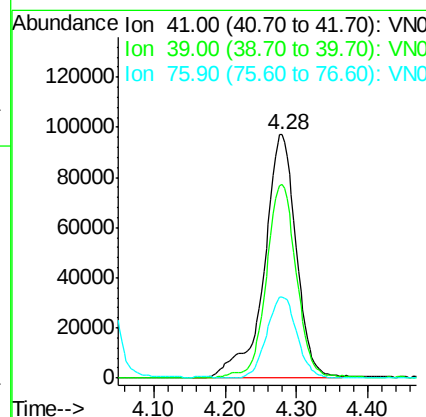
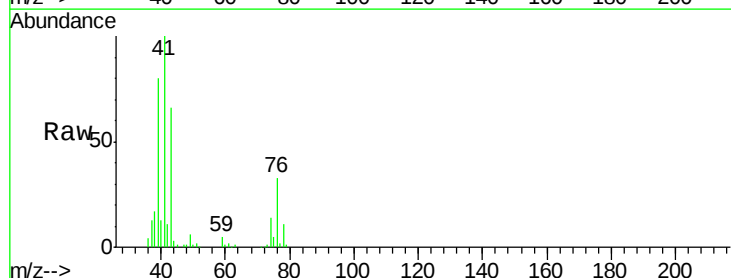
Manual Integrations
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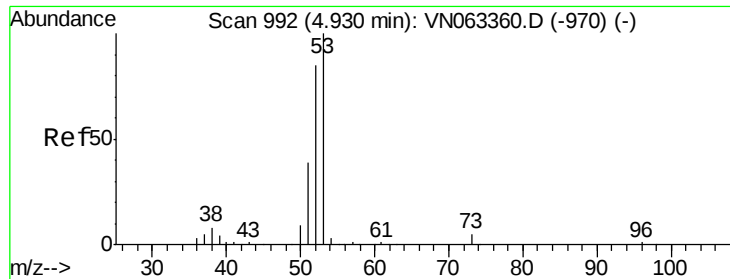
MMDadoda
9/17/2020 1:09:58 PM



#14
Allyl chloride
Concen: 47.574 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion: 41 Resp: 302402
Ion Ratio Lower Upper
41 100
39 71.8 59.3 88.9
76 30.7 25.3 37.9





#15

Acrylonitrile

Concen: 237.371 ug/l

RT: 4.93 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

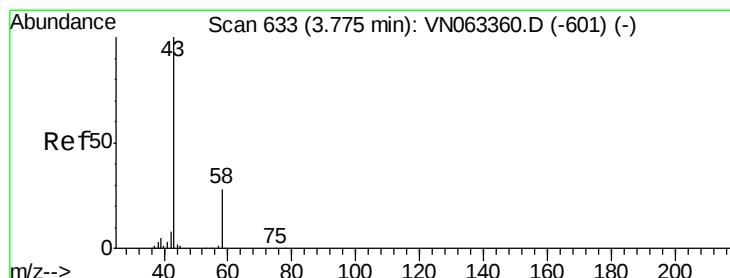
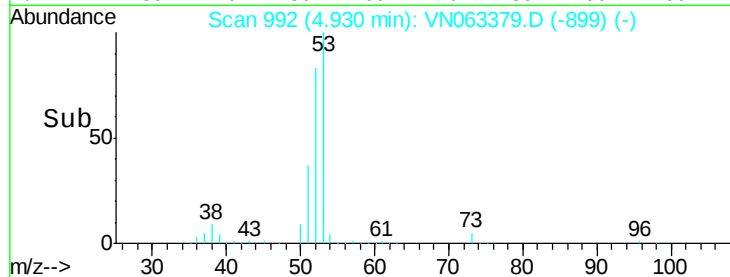
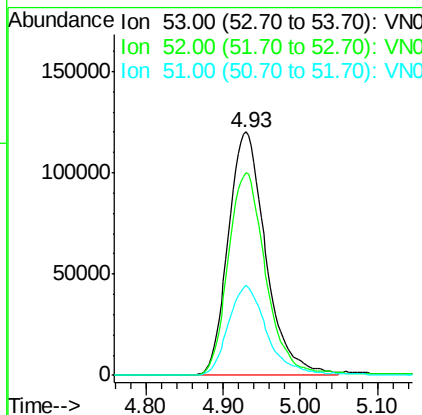
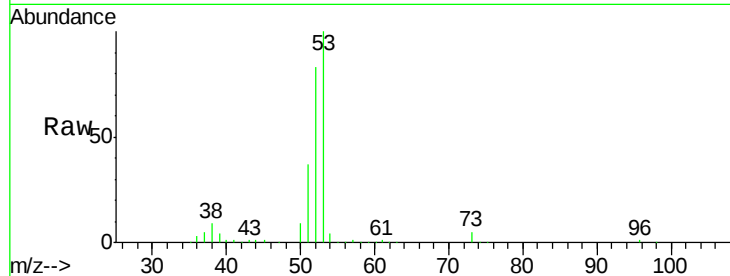
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	405468
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	37.7	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 228.153 ug/l

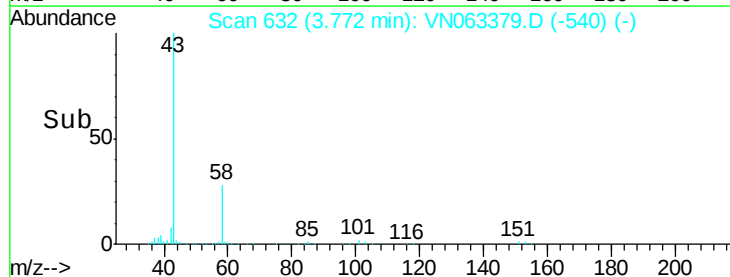
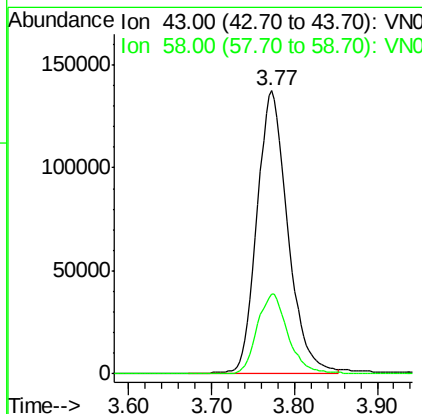
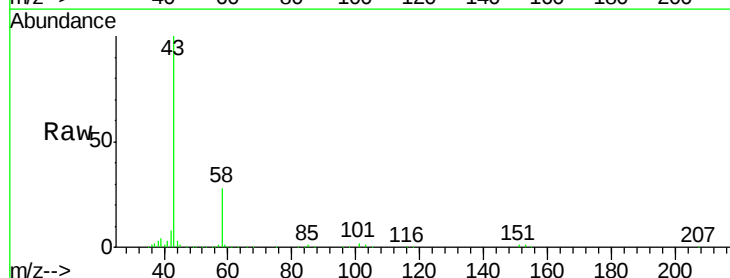
RT: 3.77 min Scan# 632

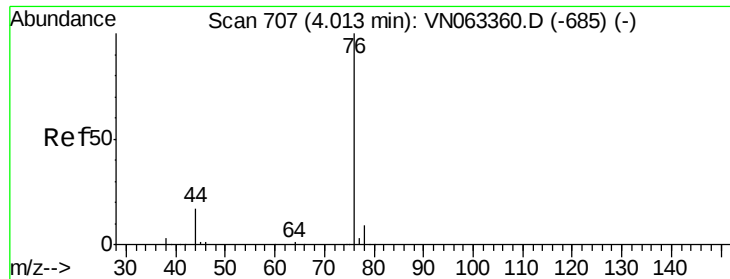
Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Tgt Ion:	43	Resp:	355432
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.3	33.5





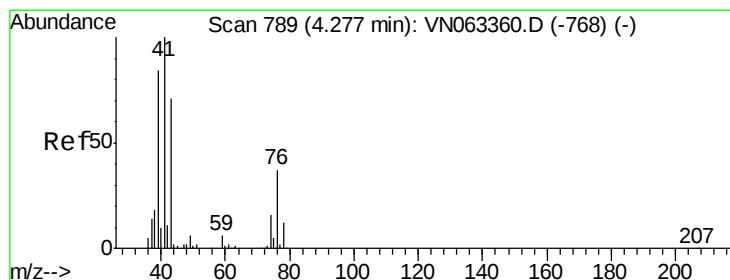
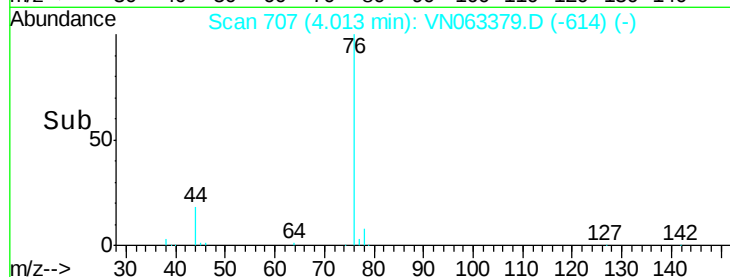
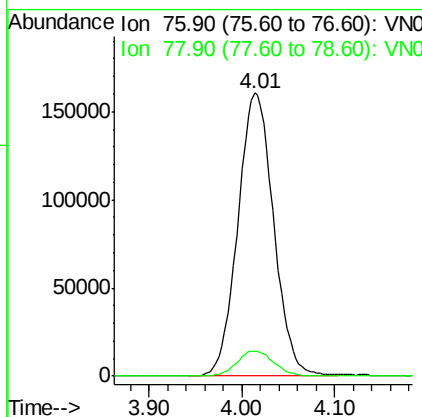
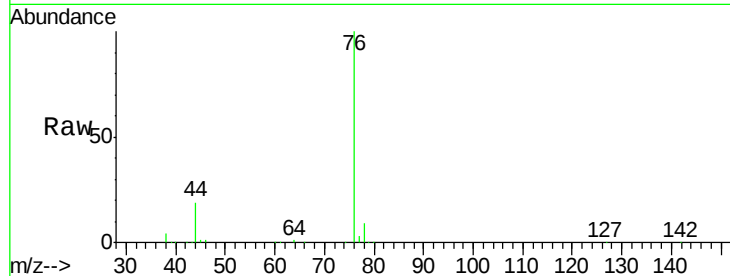
#17
Carbon Disulfide
Concen: 45.968 ug/l
RT: 4.01 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

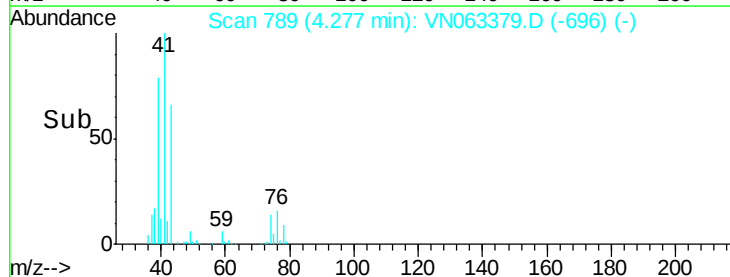
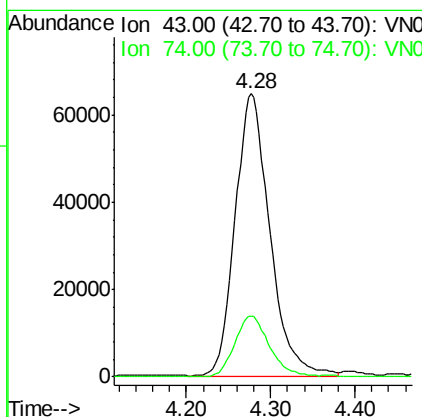
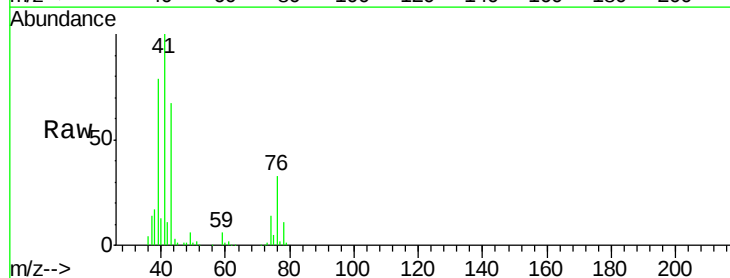
Manual Integrations
APPROVED

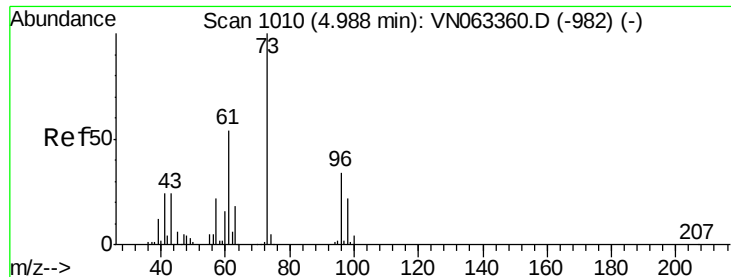
MMDadoda
9/17/2020 1:09:58 PM



#18
Methyl Acetate
Concen: 46.846 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2





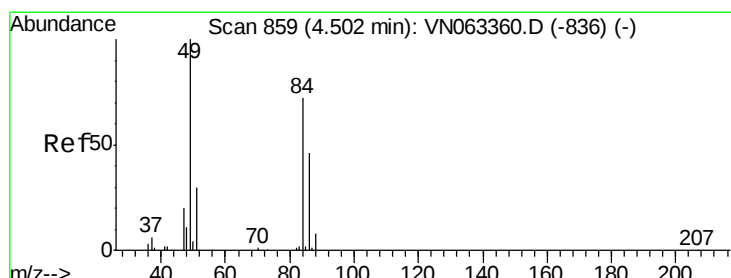
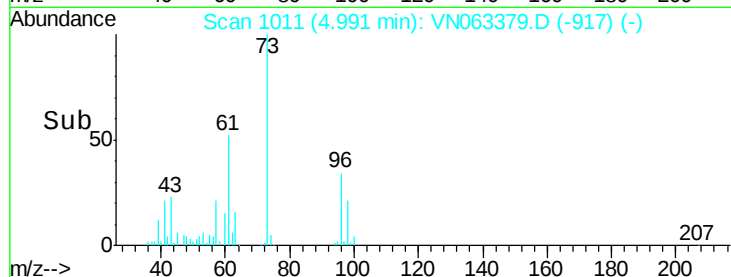
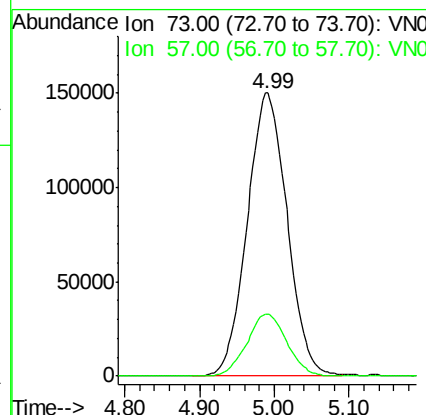
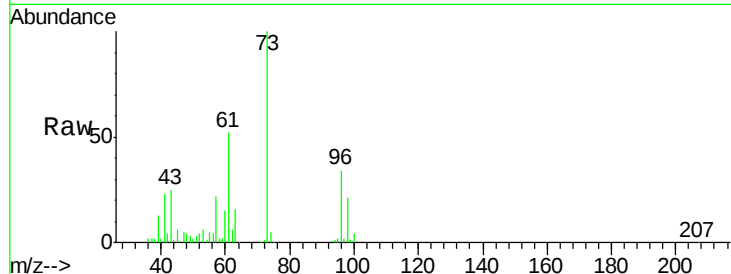
#19
Methvl tert-butvl Ether
Concen: 46.489 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 556794
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9

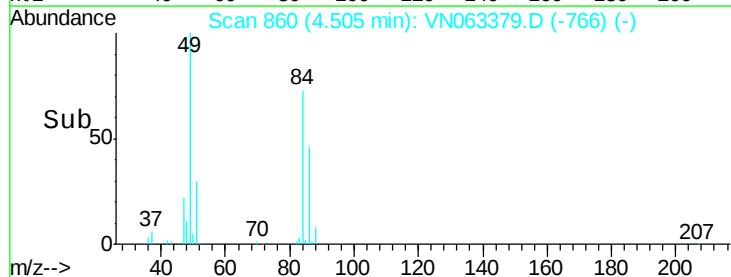
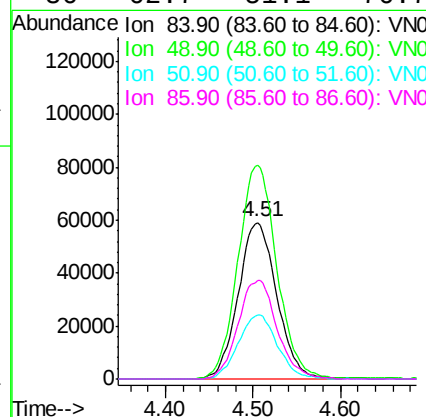
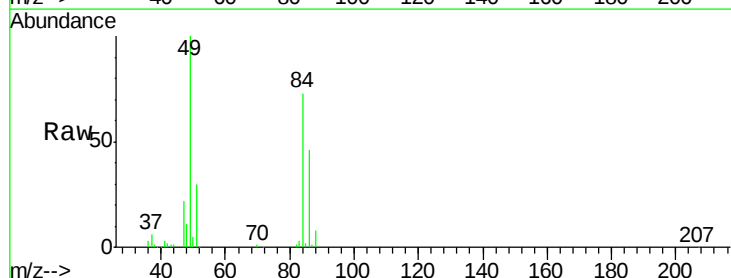
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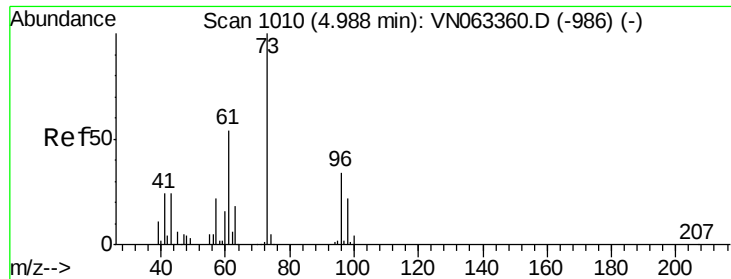
MMDadoda
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#20
Methylene Chloride
Concen: 45.833 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion: 84 Resp: 180905
Ion Ratio Lower Upper
84 100
49 136.3 110.7 166.1
51 41.0 32.9 49.3
86 62.7 51.1 76.7





#21

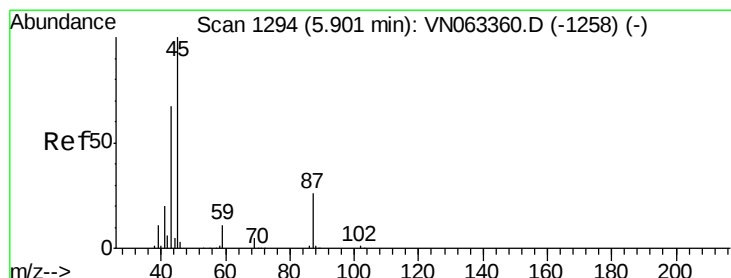
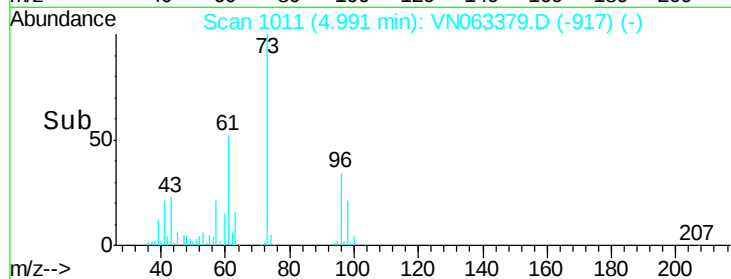
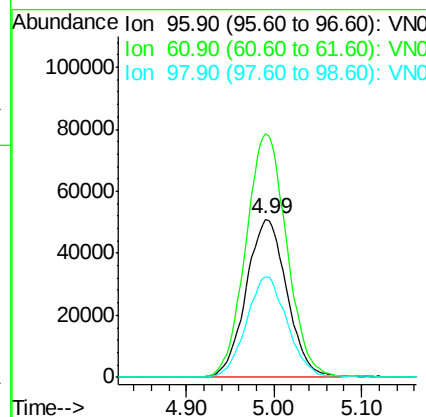
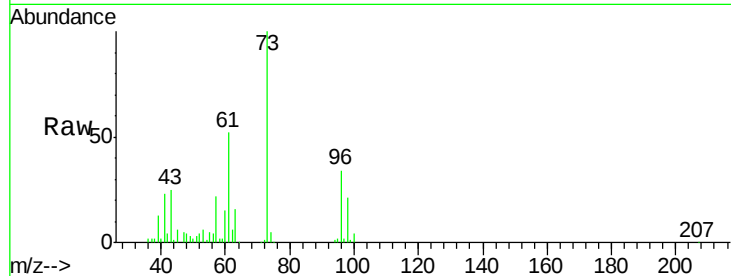
trans-1,2-Dichloroethene
Concen: 46.239 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.8	126.2	189.4
98	63.2	51.0	76.4

Manual Integrations
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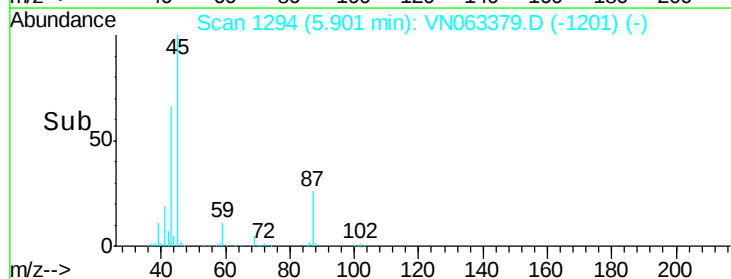
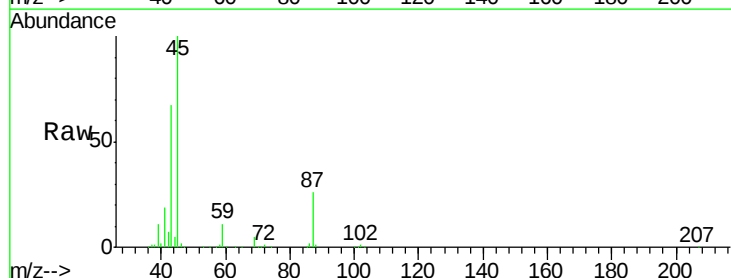
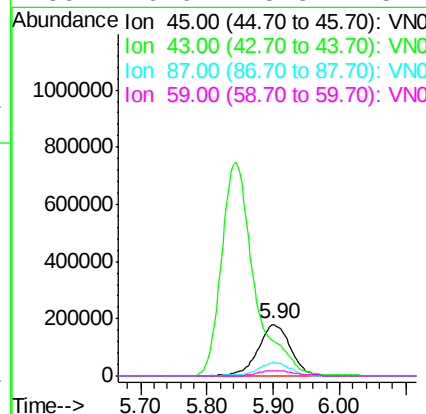
MMDadoda
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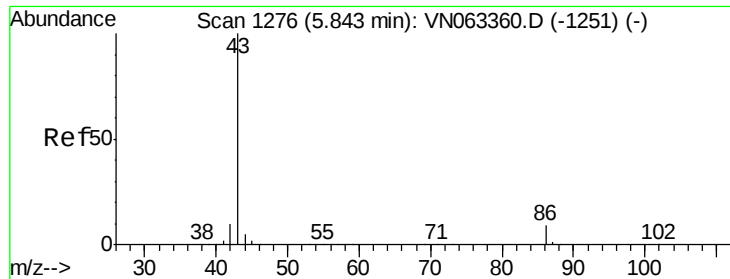


#22

Diisopropyl ether
Concen: 47.462 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.0	53.5	80.3
87	26.2	21.2	31.8
59	10.6	8.8	13.2





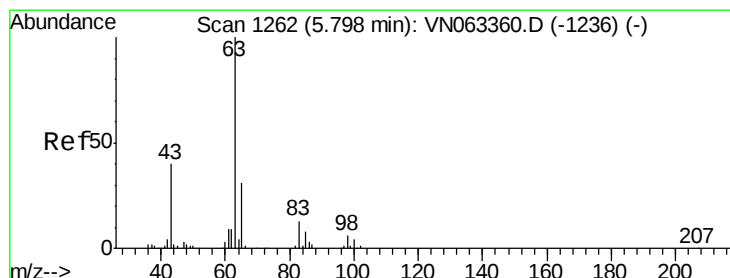
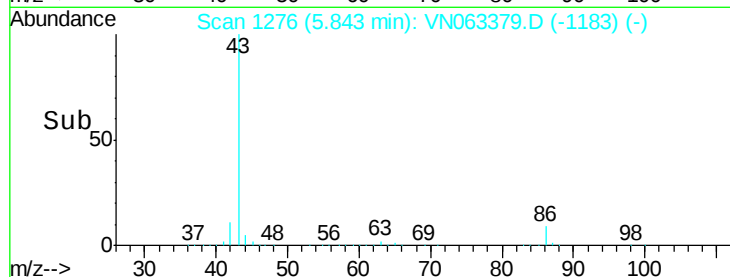
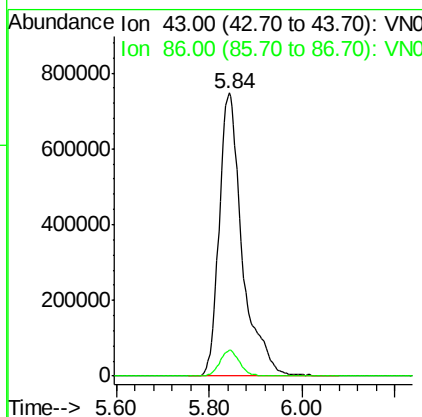
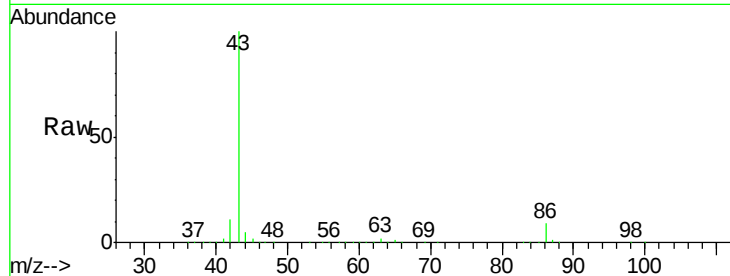
#23
 Vinyl Acetate
 Concen: 242.655 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2583462
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.1 10.7

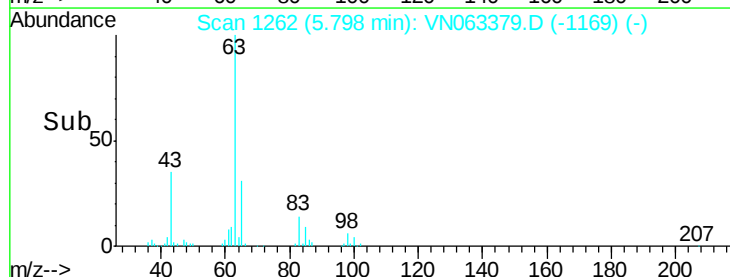
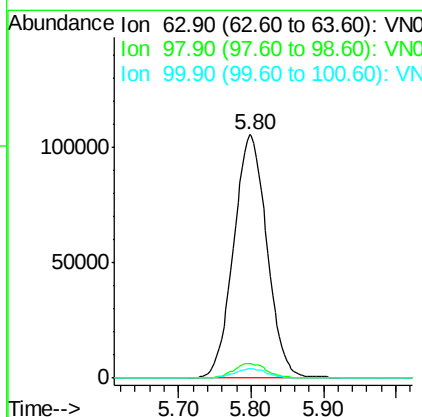
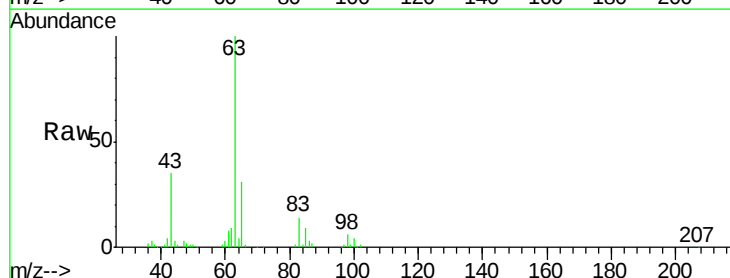
Manual Integrations
 APPROVED

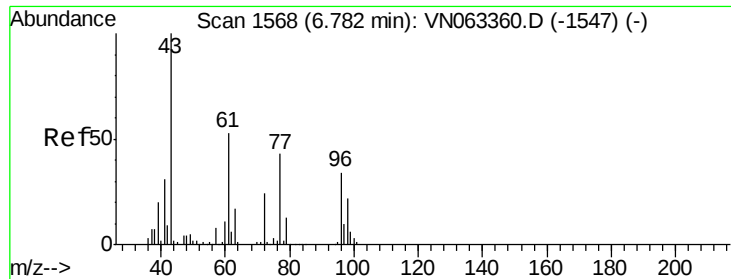
MMDadoda
 9/17/2020 1:09:58 PM



#24
 1,1-Dichloroethane
 Concen: 47.685 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion: 63 Resp: 337497
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.8
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 231.002 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 553474

Ion Ratio Lower Upper

43 100

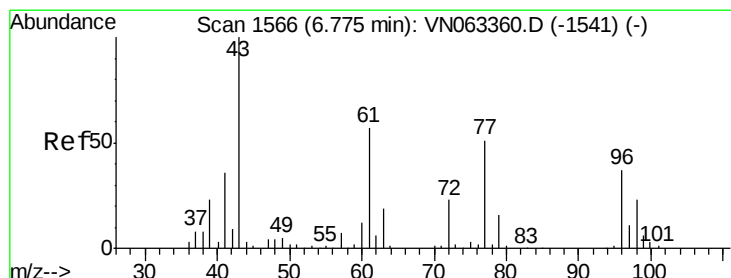
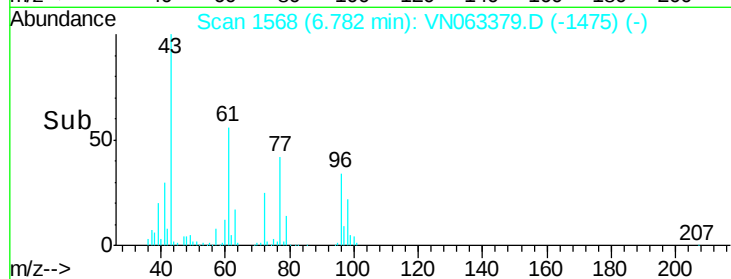
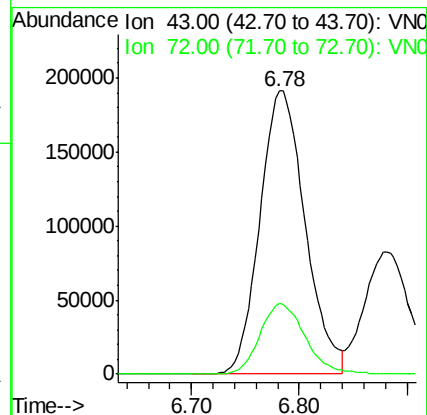
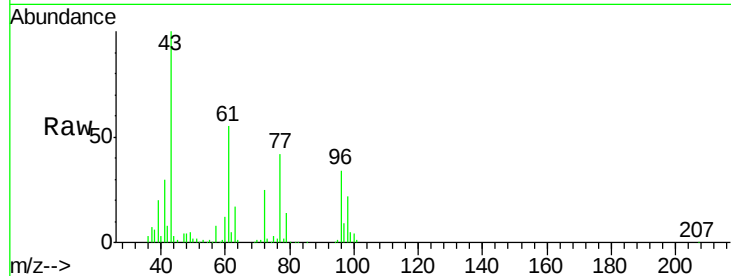
72 25.2 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.223 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063379.D

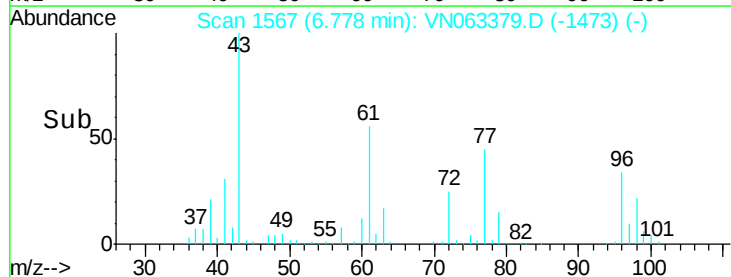
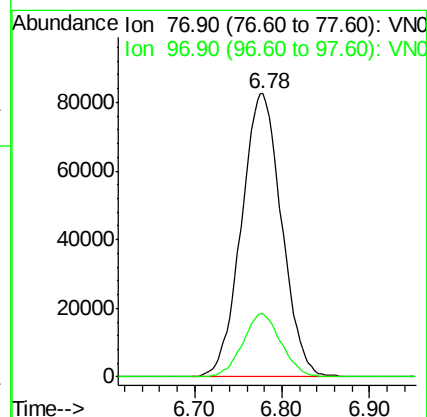
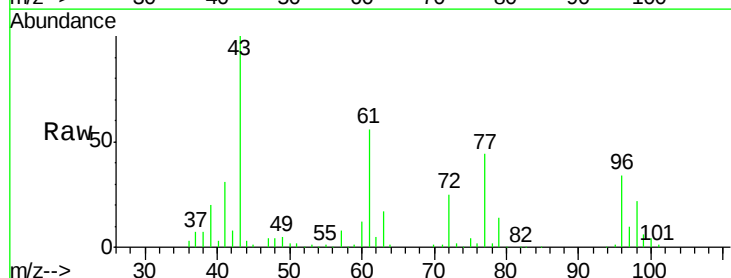
Acq: 16 Sep 2020 21:05

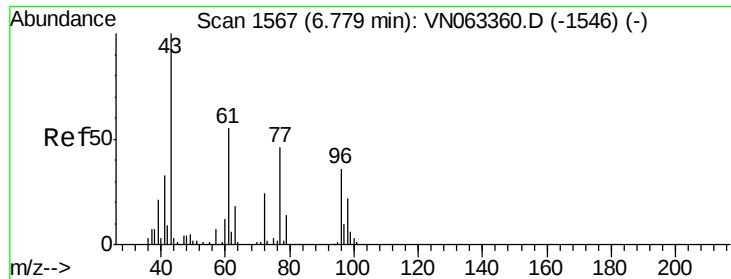
Tgt Ion: 77 Resp: 263108

Ion Ratio Lower Upper

77 100

97 21.3 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 47.845 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063379.D

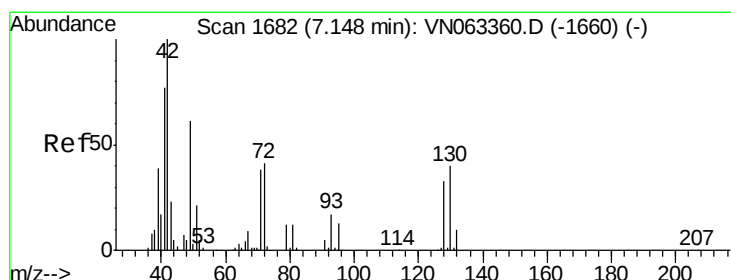
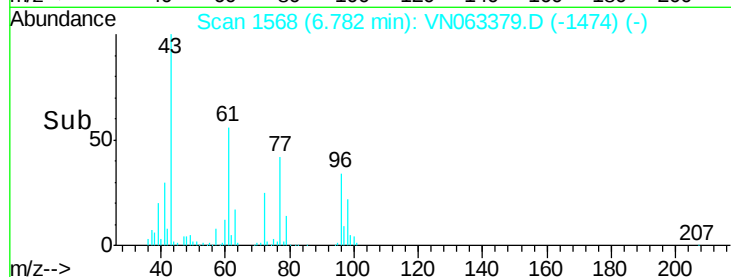
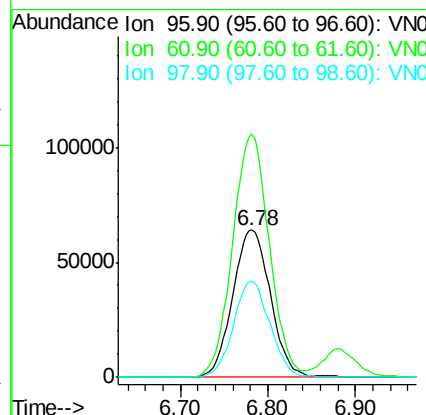
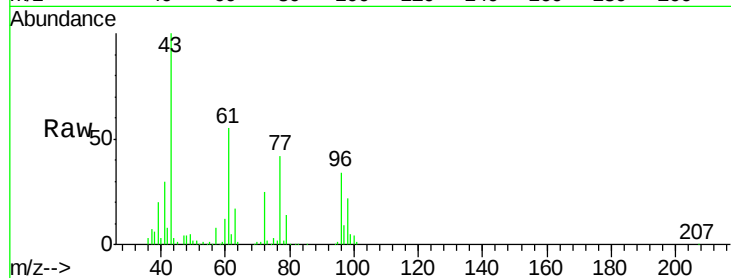
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	159.6	0.0	319.6	
98	63.3	0.0	127.8	

Manual Integrations
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#28

Bromochloromethane

Concen: 46.006 ug/l

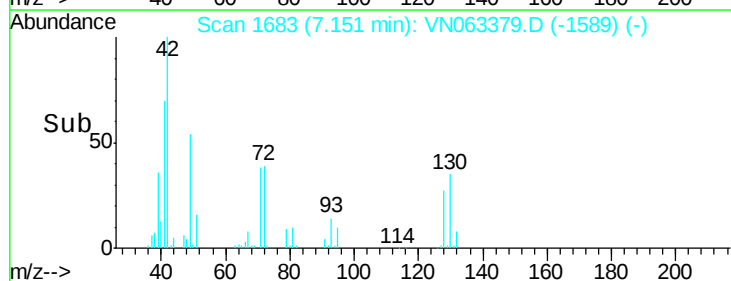
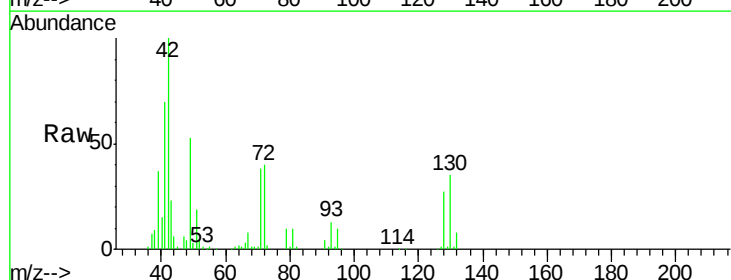
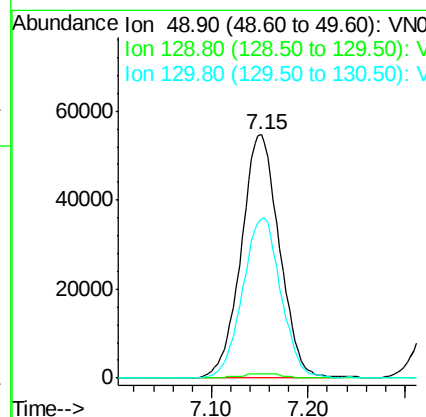
RT: 7.15 min Scan# 1683

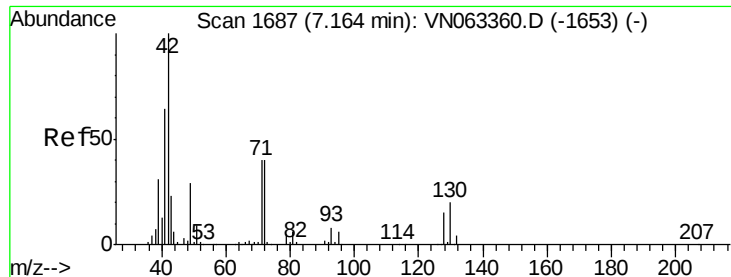
Delta R.T. 0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	65.8	52.2	78.2	





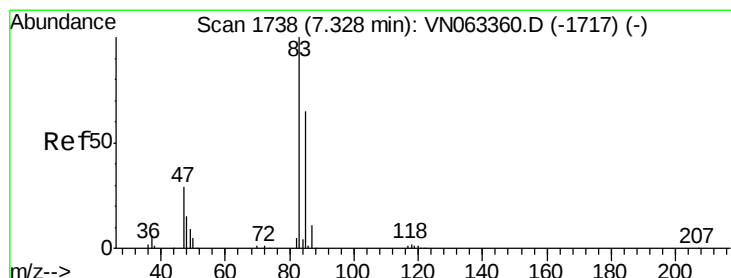
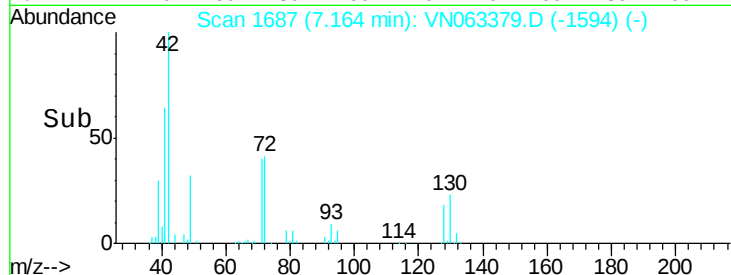
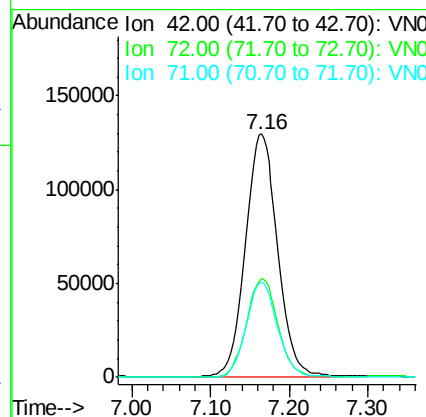
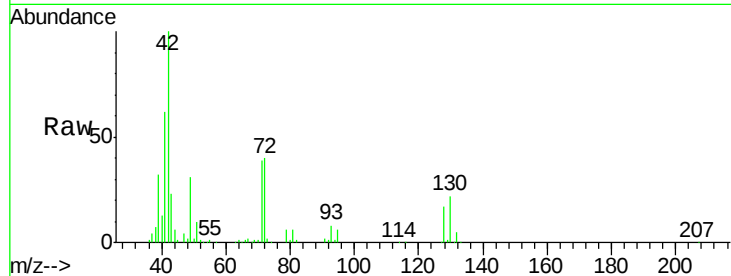
#29
Tetrahydrofuran
Concen: 229.130 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	32.1	48.1
71	37.9	31.2	46.8

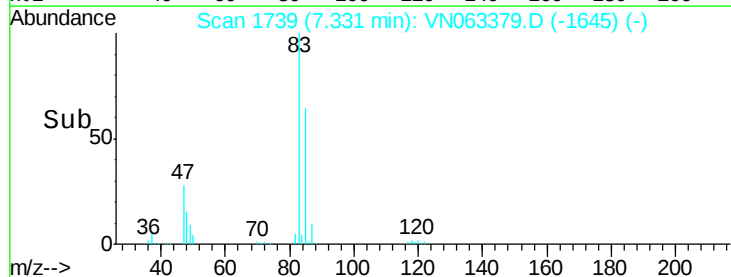
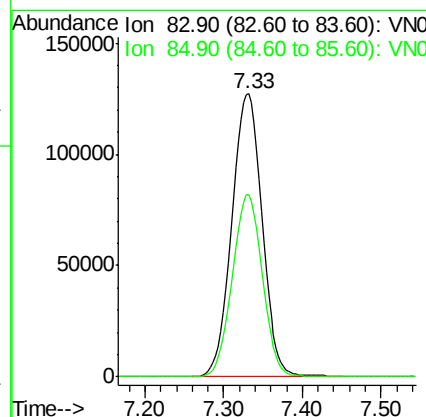
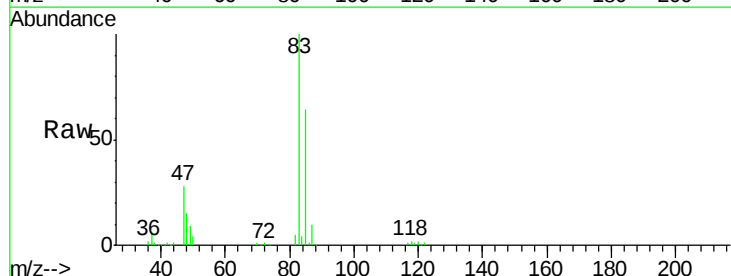
Manual Integrations
APPROVED

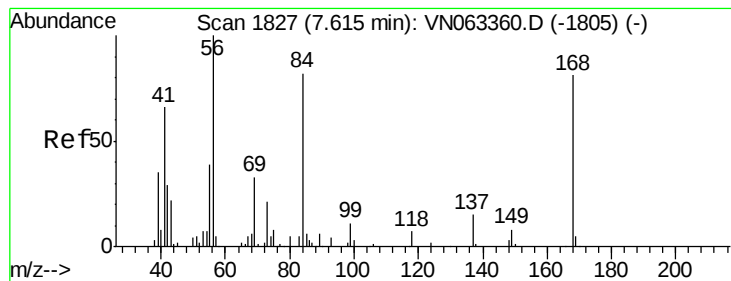
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#30
Chloroform
Concen: 47.829 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.1	78.1





#31

Cyclohexane

Concen: 43.335 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

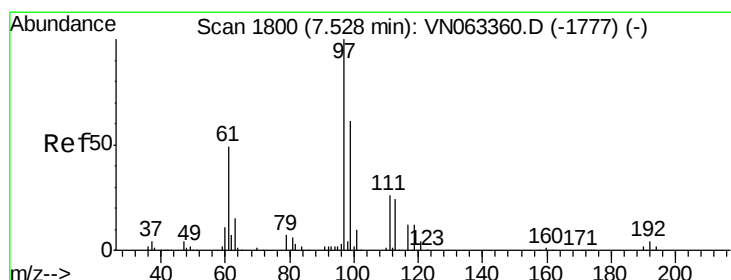
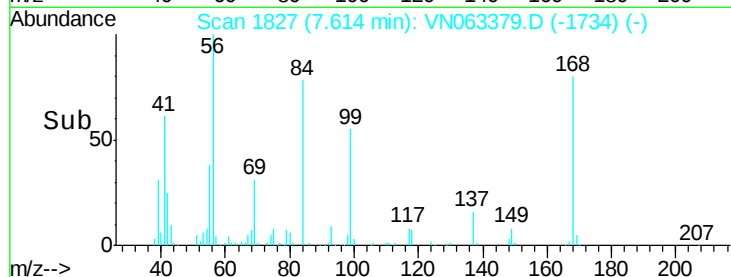
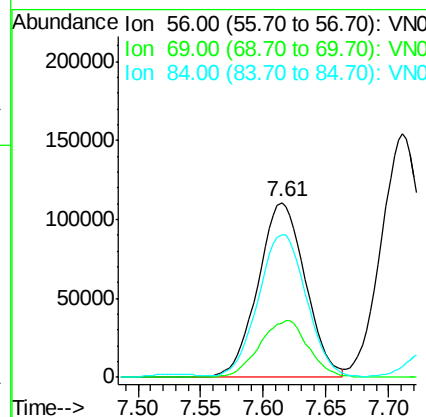
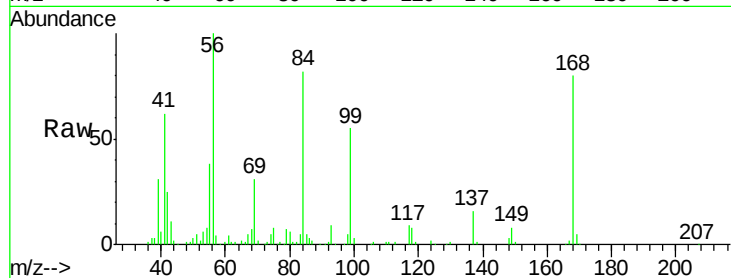
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		290116		
69	31.4	26.1	39.1		
84	80.4	65.4	98.2		

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 47.183 ug/l

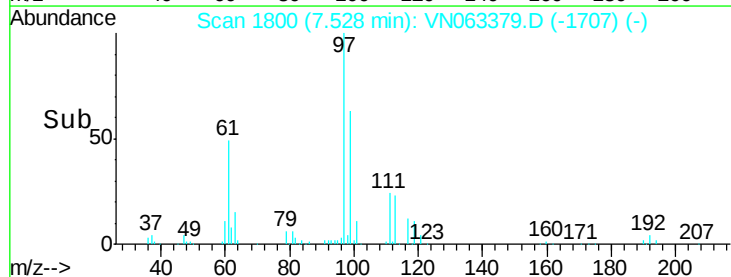
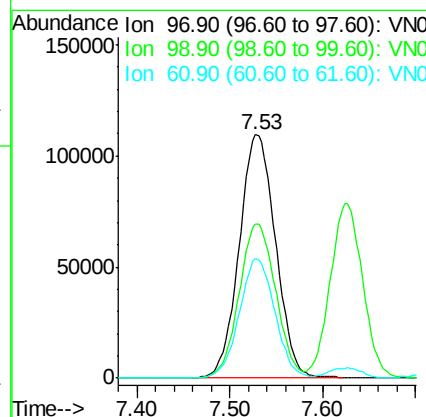
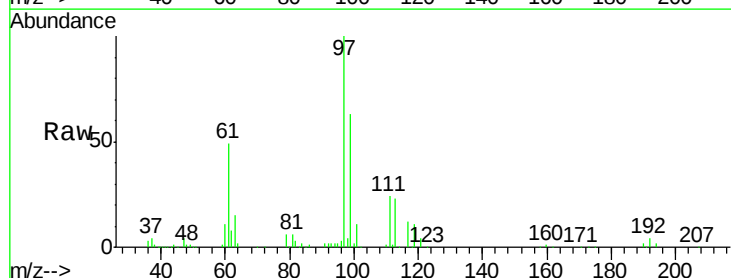
RT: 7.53 min Scan# 1800

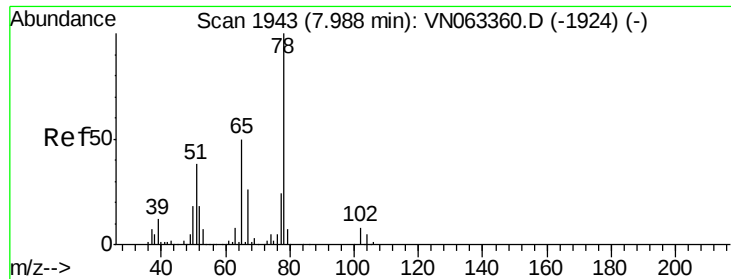
Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		297995		
99	63.5	50.6	76.0		
61	48.2	39.2	58.8		





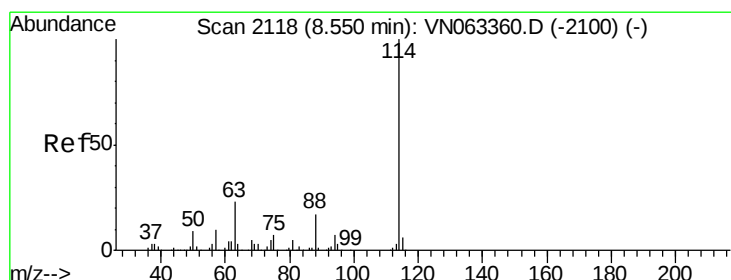
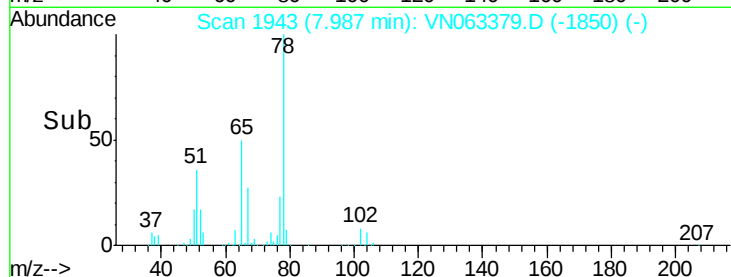
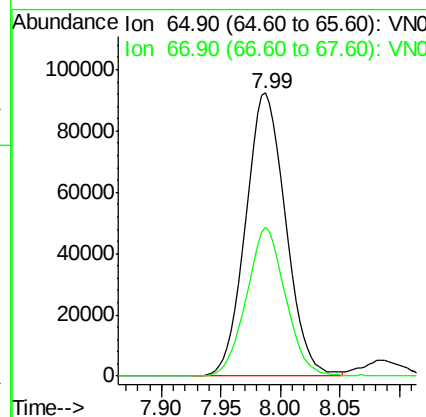
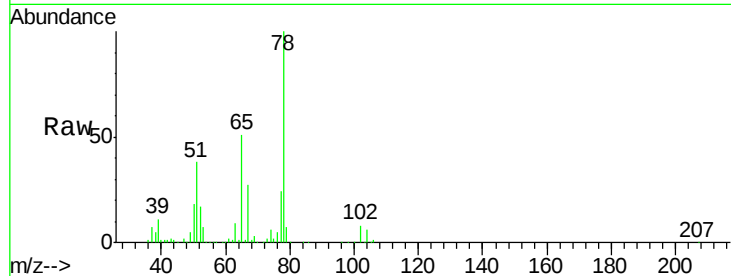
#33
 1,2-Dichloroethane-d4
 Concen: 44.523 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215821		
67	51.1	0.0	104.2	

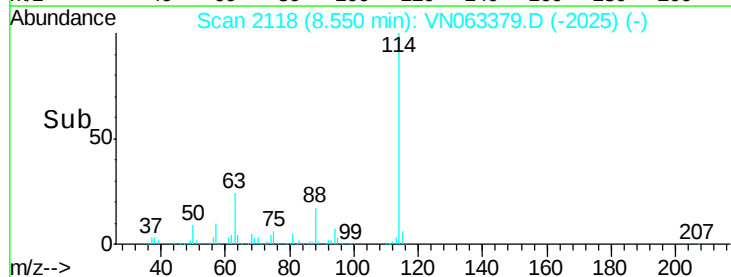
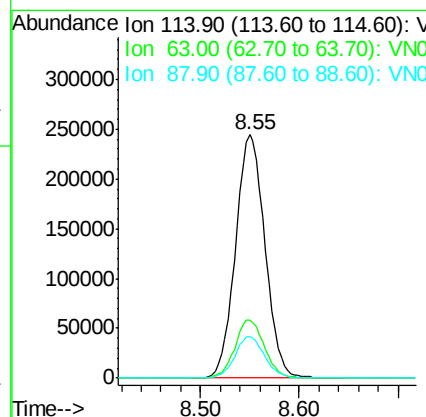
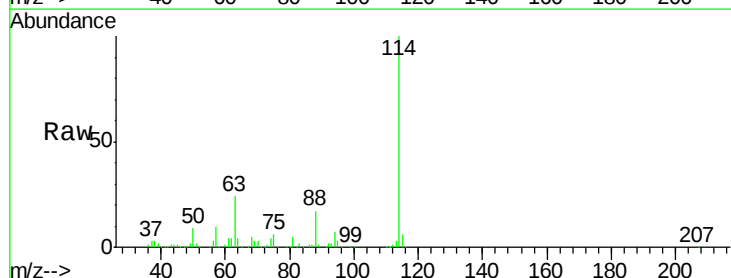
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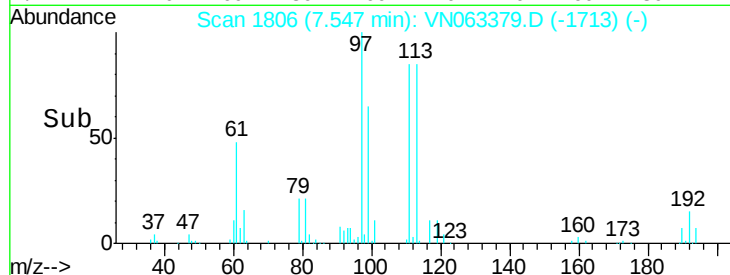
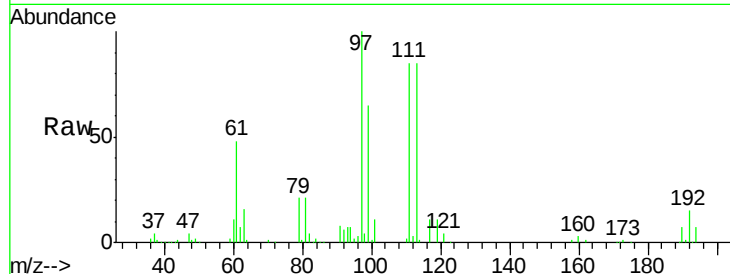
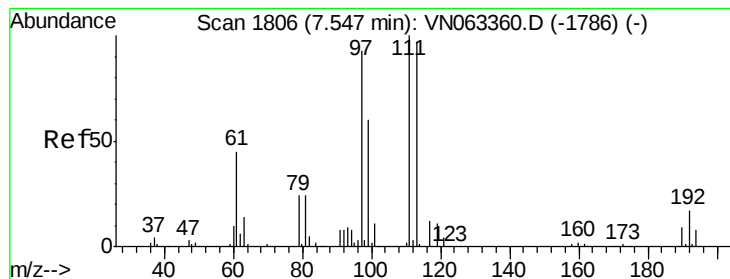
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	507997		
63	23.9	0.0	46.4	
88	17.0	0.0	33.2	





#35

Dibromofluoromethane

Concen: 43.374 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152536		
111	101.6	82.9	124.3	
192	17.0	13.9	20.9	

Instrument :

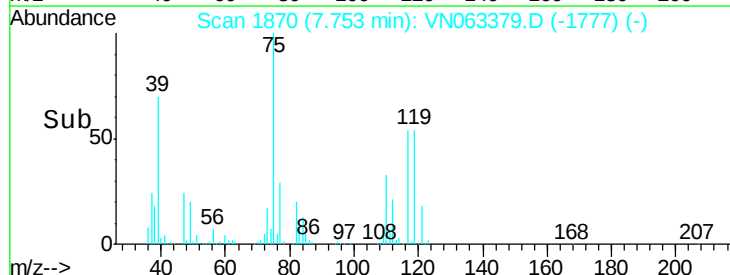
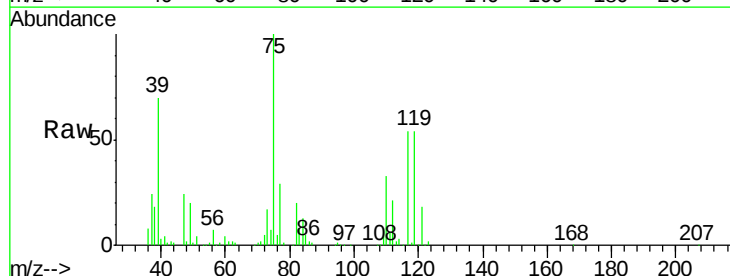
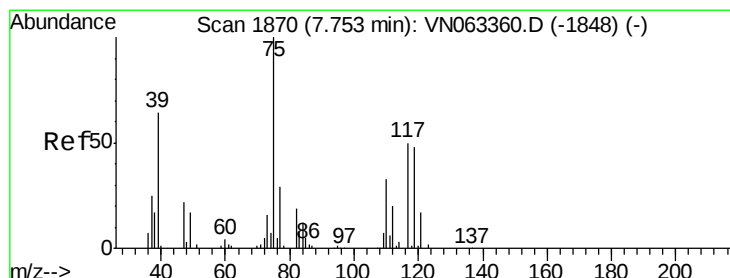
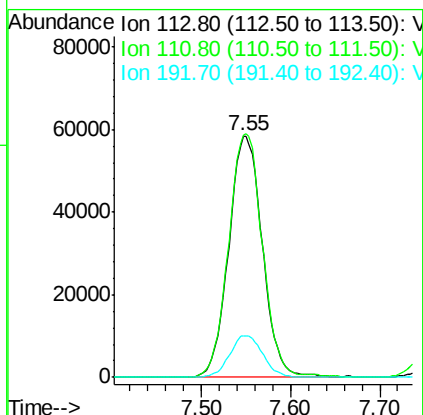
MSVOA_N

ClientSampleId :

VSTDCCC050EC

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#36

1,1-Dichloropropene

Concen: 45.831 ug/l

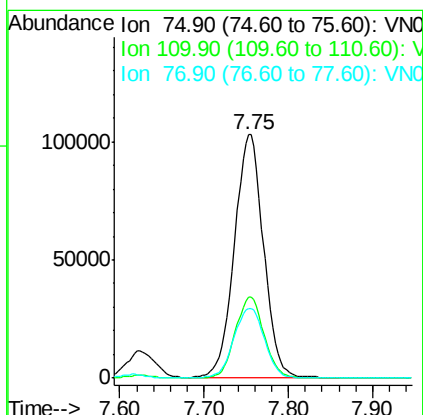
RT: 7.75 min Scan# 1870

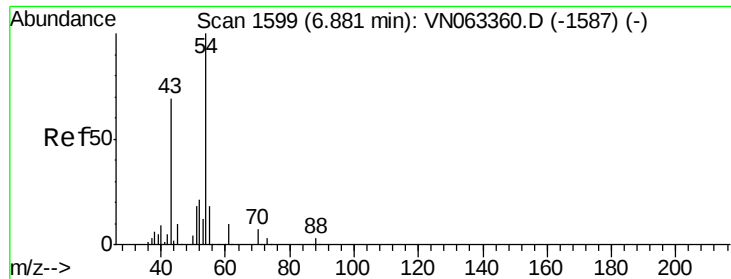
Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	248036		
110	32.9	16.5	49.5	
77	30.3	24.6	36.8	





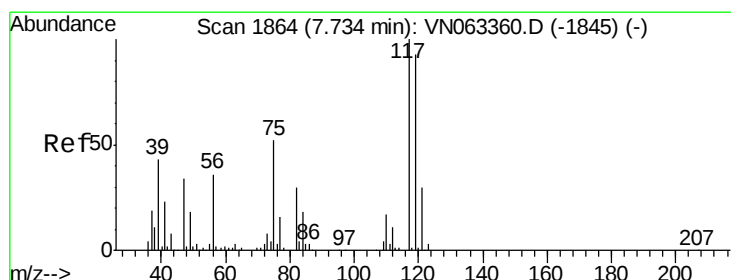
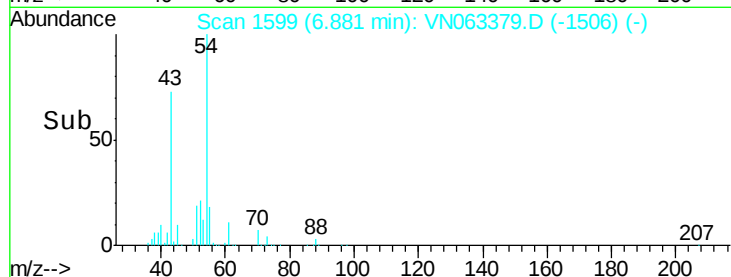
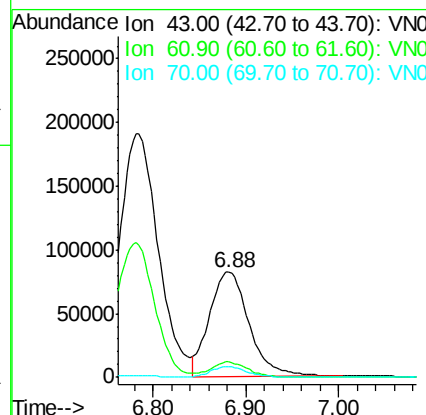
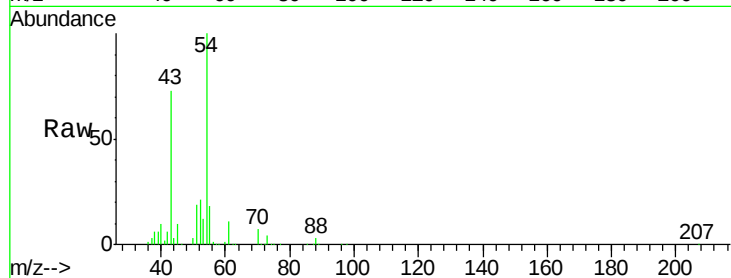
#37
Ethyl Acetate
Concen: 45.921 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	9.6	7.2	10.8

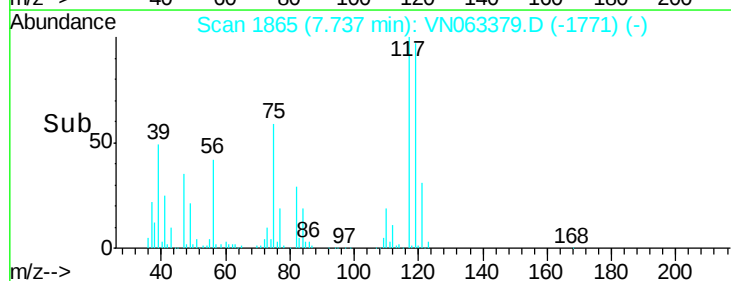
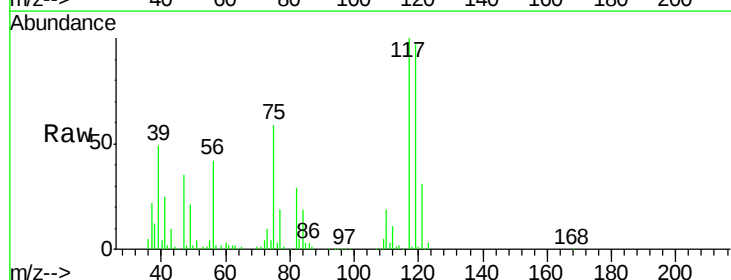
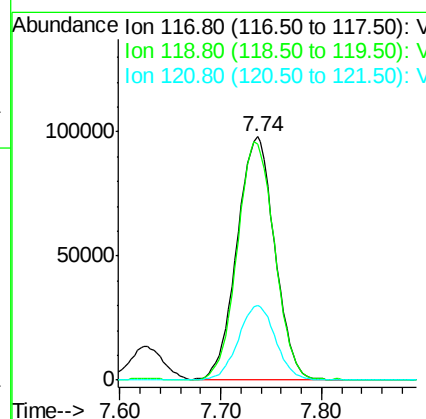
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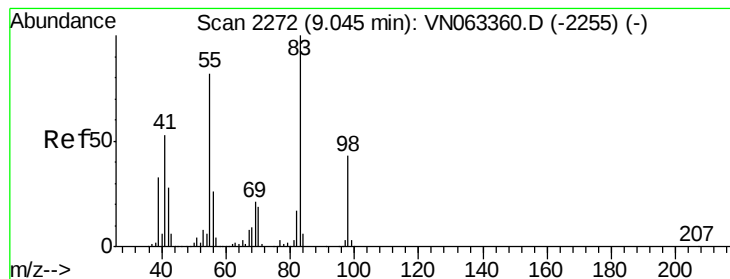
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#38
Carbon Tetrachloride
Concen: 45.887 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	74.5	111.7
121	30.8	24.1	36.1





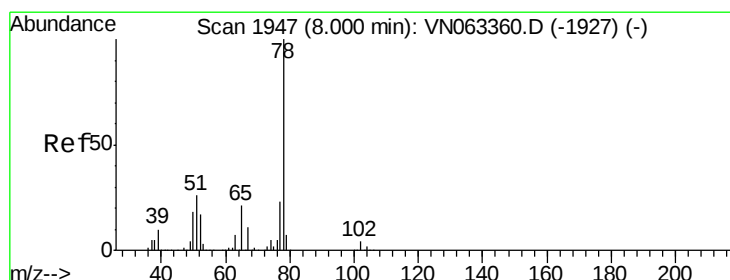
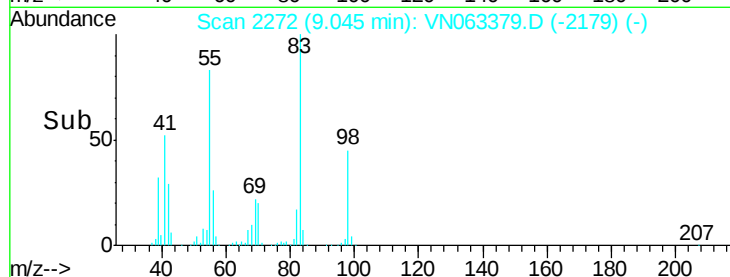
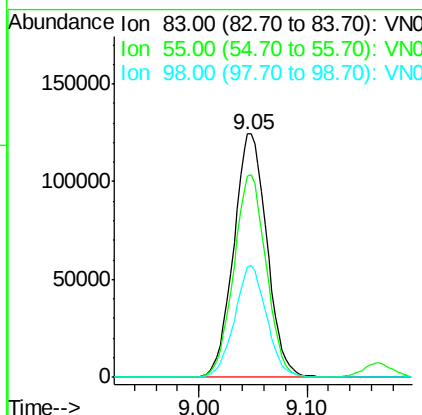
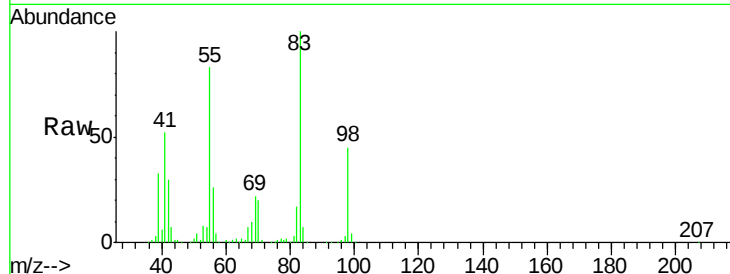
#39
Methvlcvclohexane
Concen: 45.428 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	65.5	98.3
98	45.3	34.2	51.4

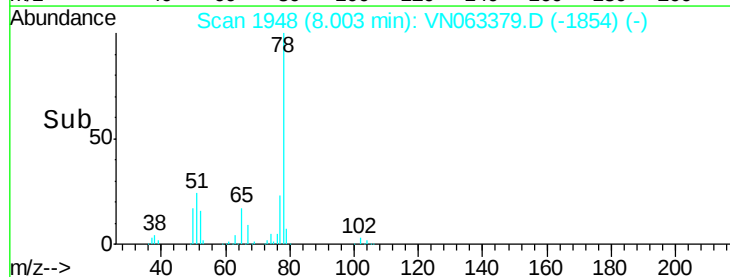
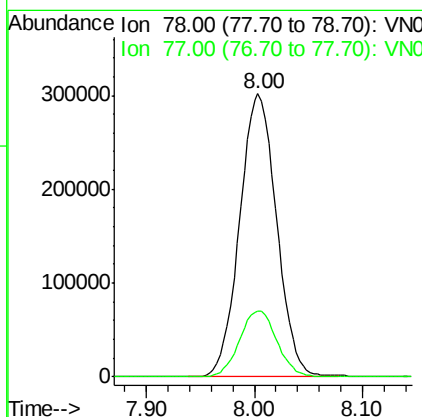
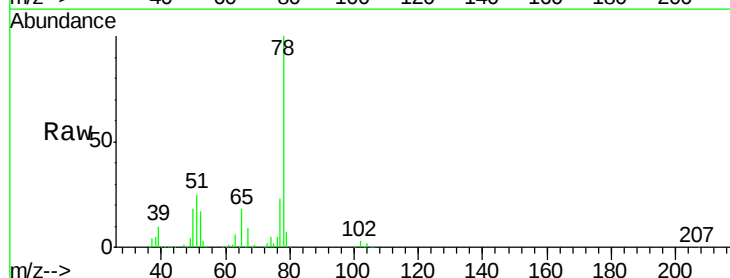
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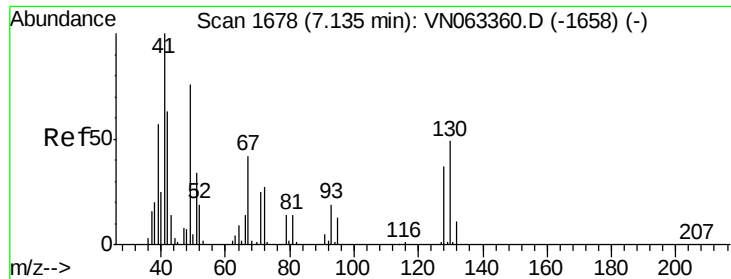
MMDadoda
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#40
Benzene
Concen: 46.478 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5





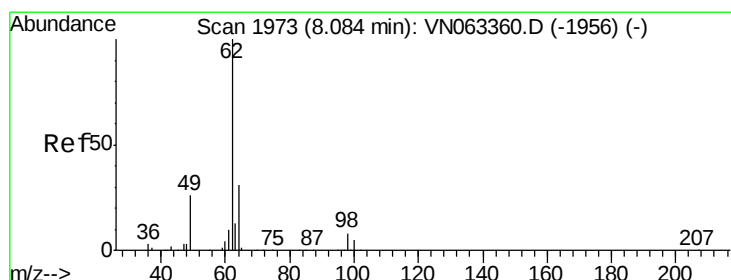
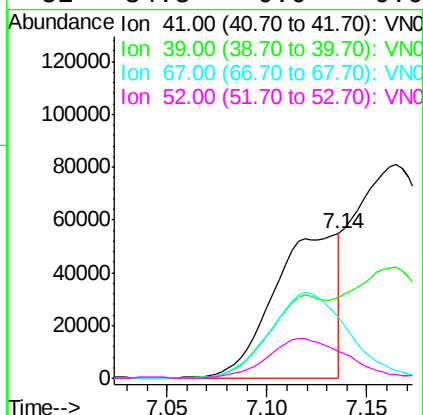
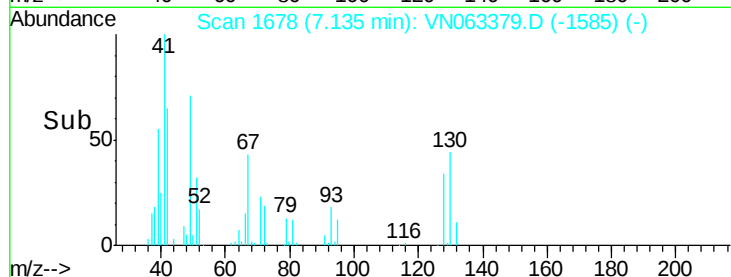
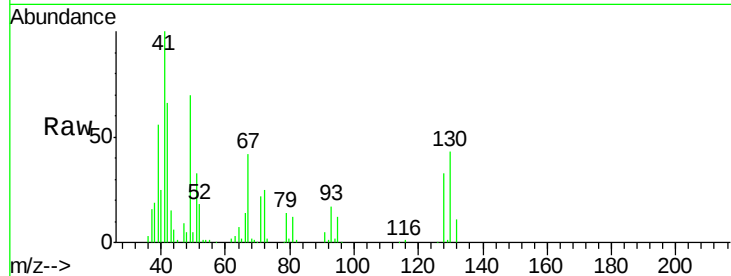
#41
Methacrylonitrile
Concen: 50.751 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	48.7	0.0	0.0#		
67	73.8	0.0	0.0#		
52	34.8	0.0	0.0#		

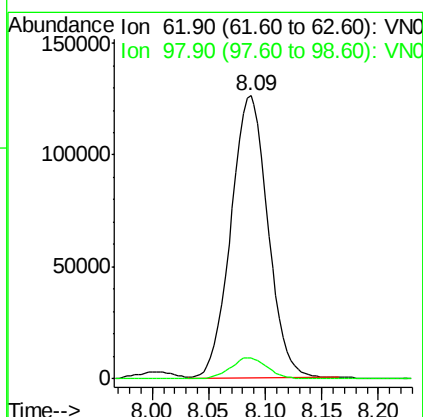
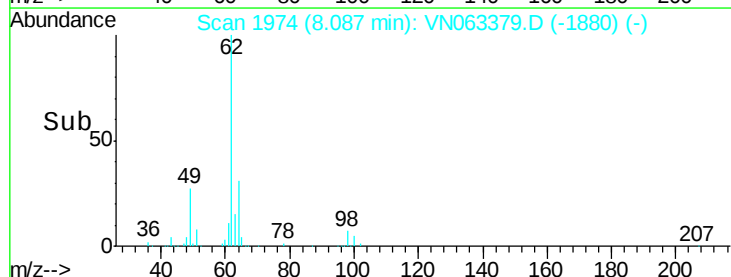
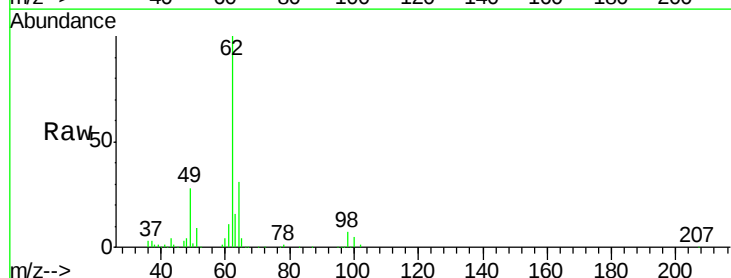
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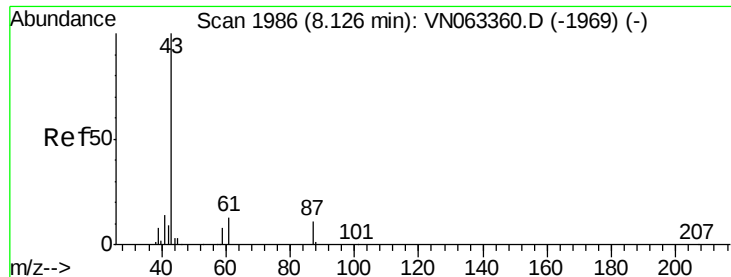
MMDadoda
9/17/2020 1:09:58 PM



#42
1,2-Dichloroethane
Concen: 46.221 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

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





#43

Isopropyl Acetate

Concen: 44.966 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

ClientSampleId :

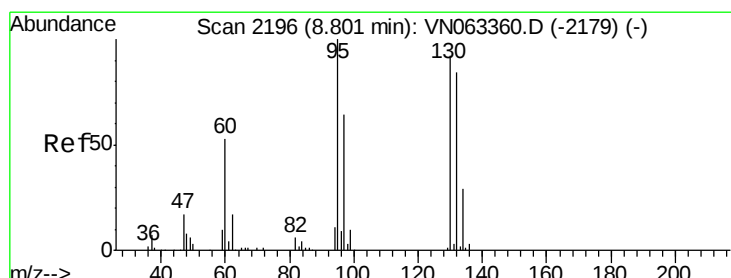
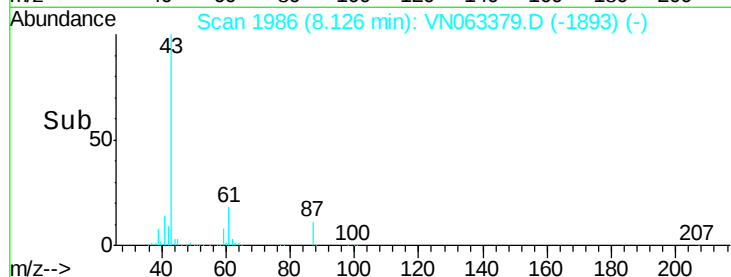
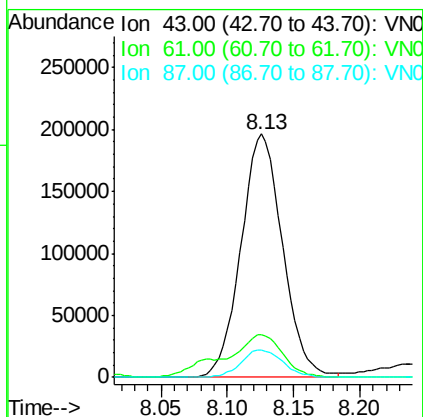
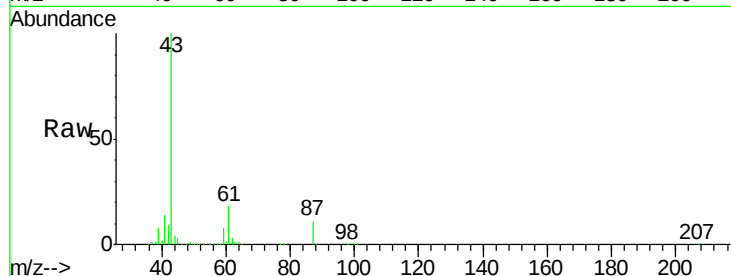
VSTDCCC050EC

Tot Ion: 43 Resp: 427076

Ion	Ratio	Lower	Upper
43	100		
61	24.7	14.2	21.2#
87	11.4	9.0	13.6

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#44

Trichloroethene

Concen: 45.950 ug/l

RT: 8.80 min Scan# 2196

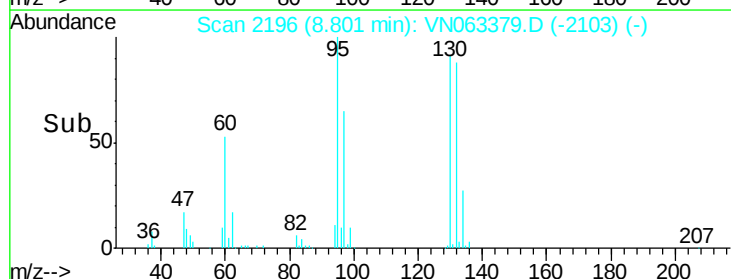
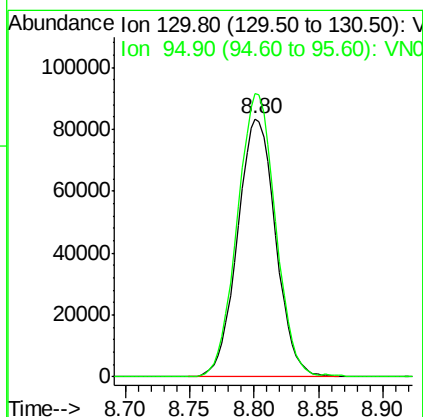
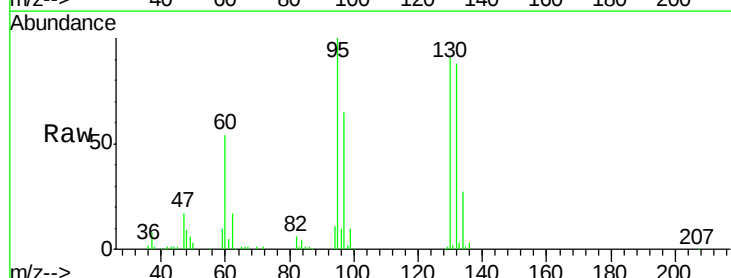
Delta R.T. -0.00 min

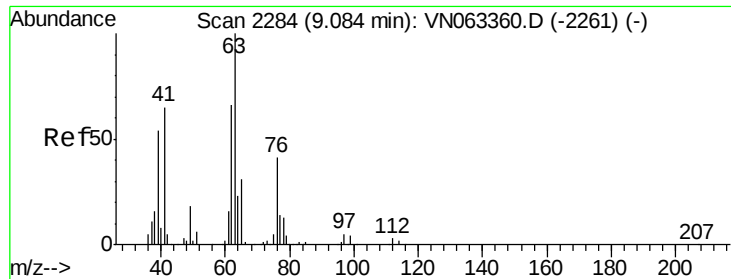
Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Tgt Ion: 130 Resp: 172180

Ion	Ratio	Lower	Upper
130	100		
95	109.7	0.0	217.4





#45

1,2-Dichloropropane

Concen: 47.879 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 201462

Ion Ratio Lower Upper

63 100

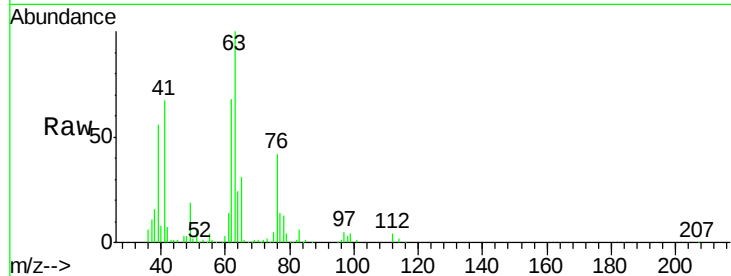
65 31.0 25.0 37.6

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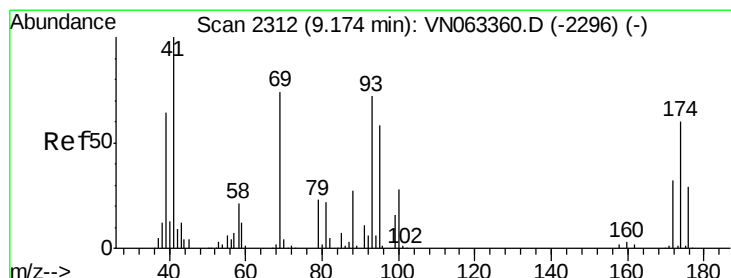
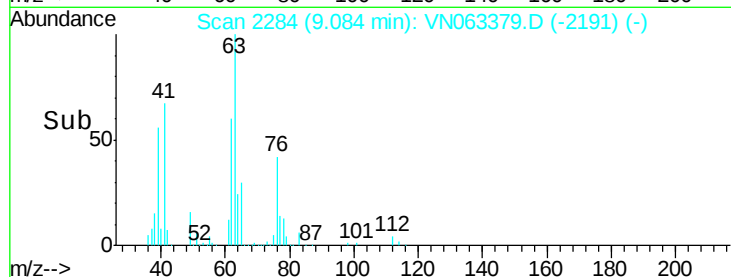
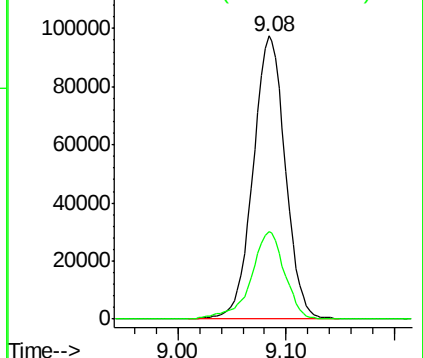
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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 46.268 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

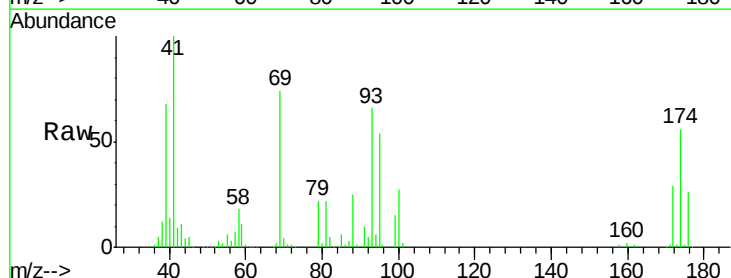
Tgt Ion: 93 Resp: 127956

Ion Ratio Lower Upper

93 100

95 84.1 65.6 98.4

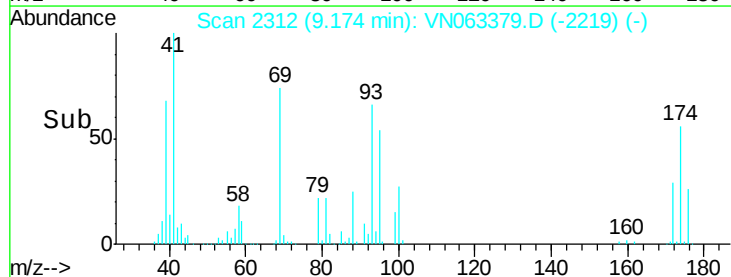
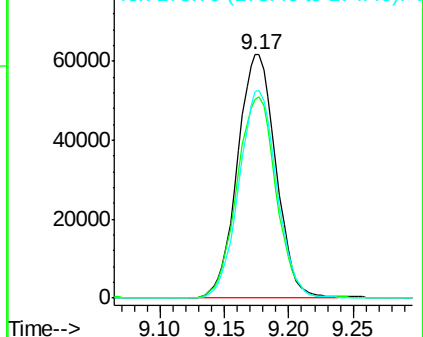
174 84.2 68.1 102.1

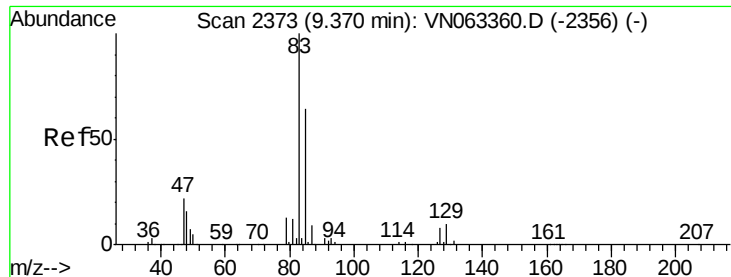


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 47.750 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

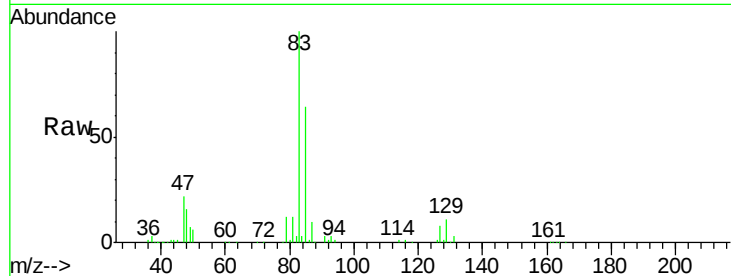
ClientSampleId :

VSTDCCC050EC

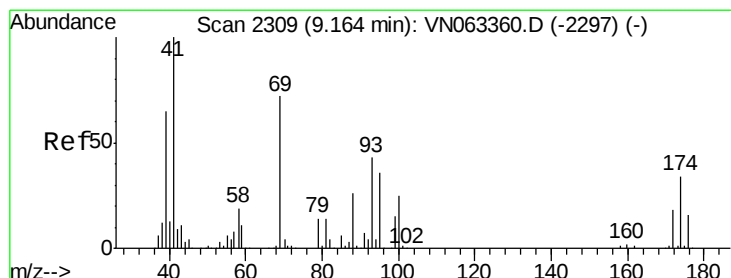
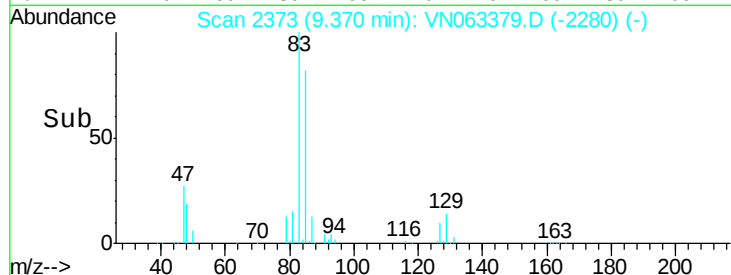
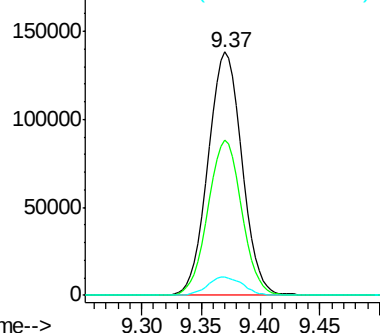
Tot Ion:	83	Resp:	274340
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.6
127	7.7	6.3	9.5

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Abundance Ion 82.90 (82.60 to 83.60): VN063379.D (-2280) (-)



#48

Methyl methacrylate

Concen: 45.597 ug/l

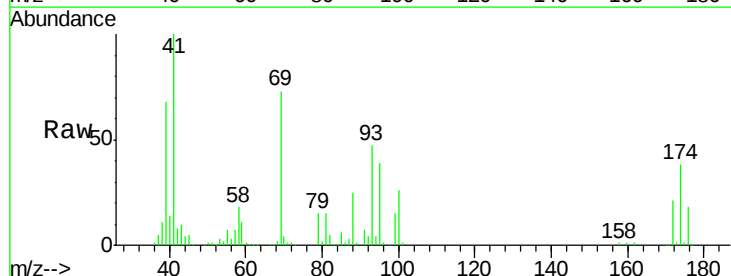
RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

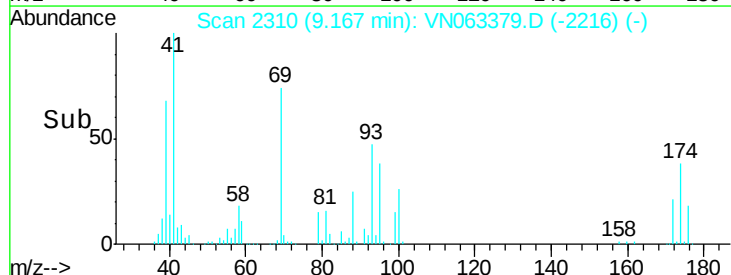
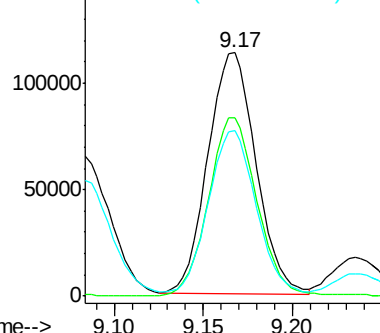
Lab File: VN063379.D

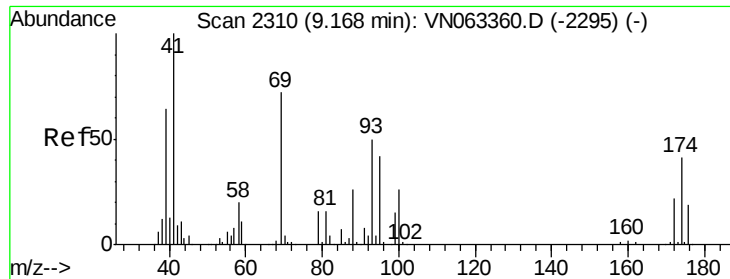
Acq: 16 Sep 2020 21:05

Tgt Ion:	41	Resp:	212771
Ion	Ratio	Lower	Upper
41	100		
69	74.8	59.3	88.9
39	69.0	52.9	79.3



Abundance Ion 41.00 (40.70 to 41.70): VN063379.D (-2216) (-)





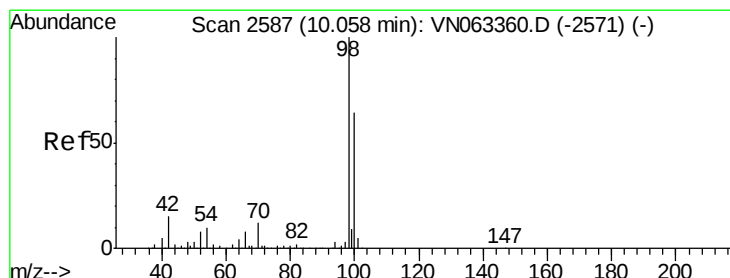
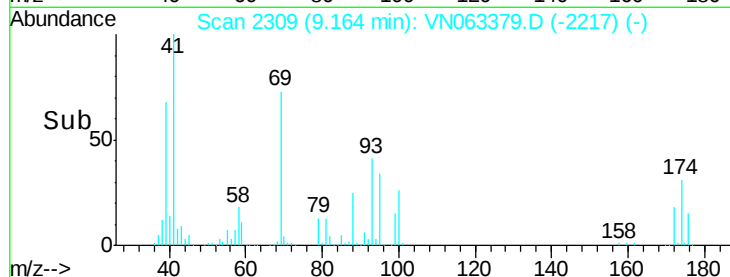
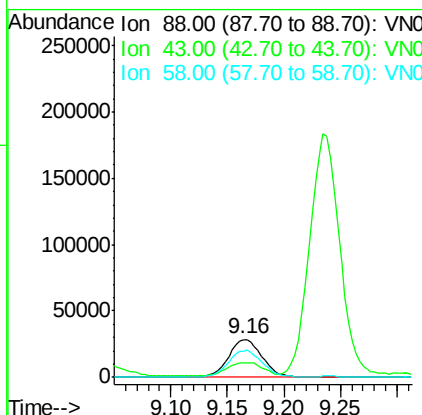
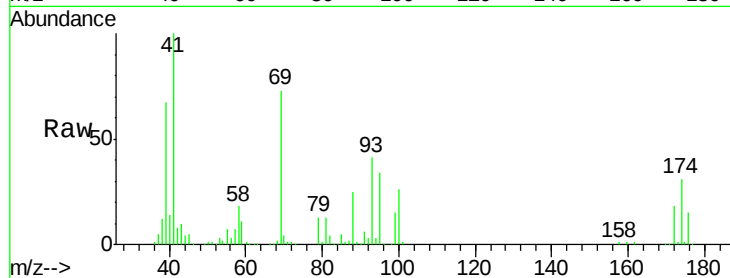
#49
 1,4-Dioxane
 Concen: 886.905 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	32.6	49.0
58	72.9	60.0	90.0

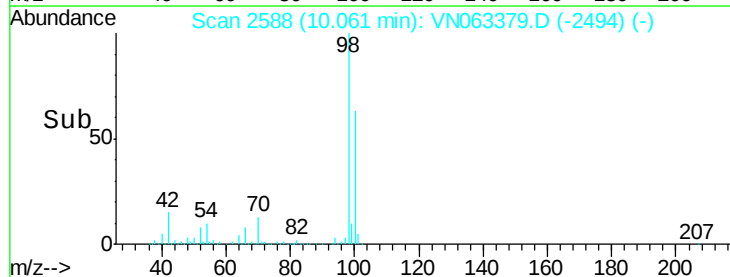
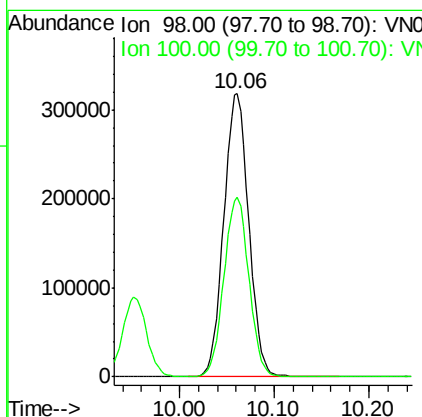
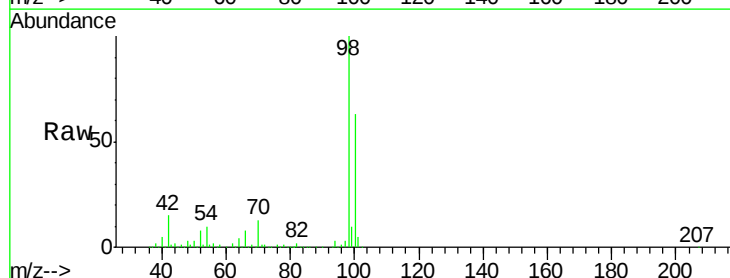
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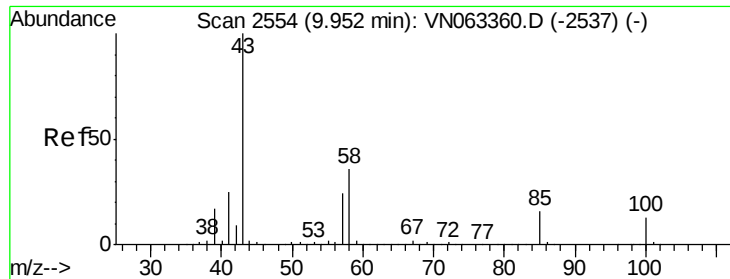
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#50
 Toluene-d8
 Concen: 44.186 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. 0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 233.154 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1239720

Ion Ratio Lower Upper

43 100

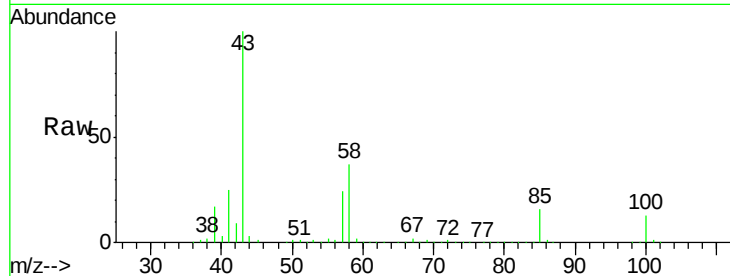
58 36.5 29.0 43.6

Manual Integrations

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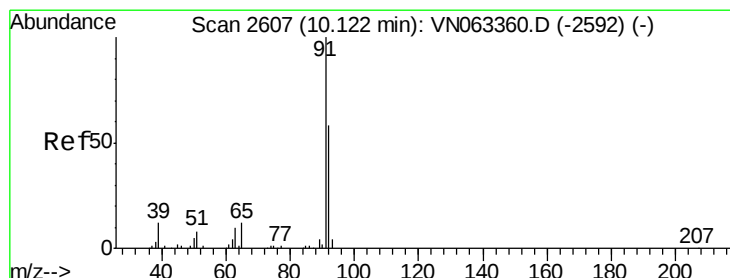
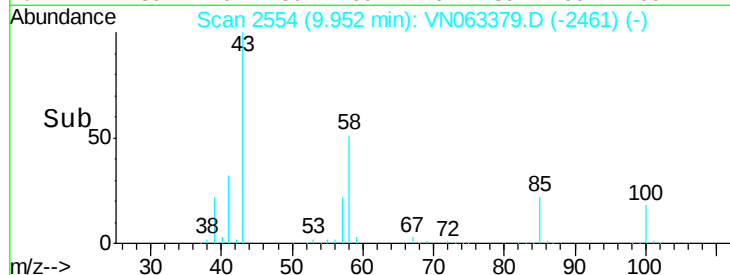
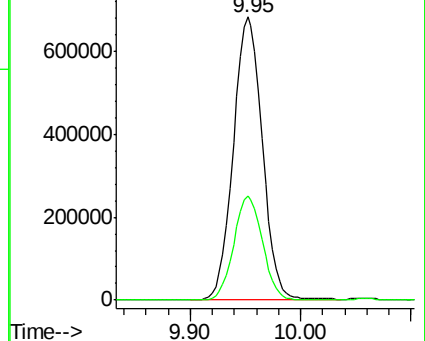
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.695 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063379.D

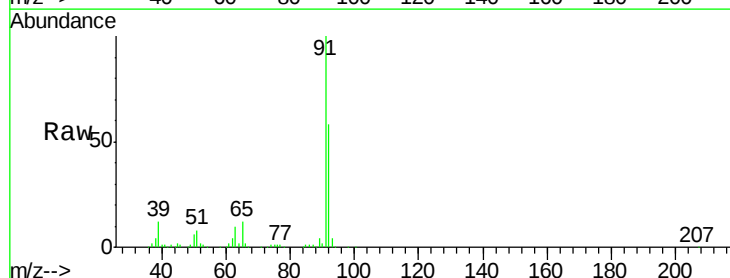
Acq: 16 Sep 2020 21:05

Tgt Ion: 92 Resp: 452308

Ion Ratio Lower Upper

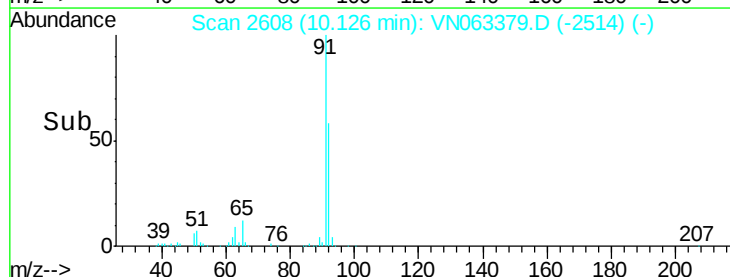
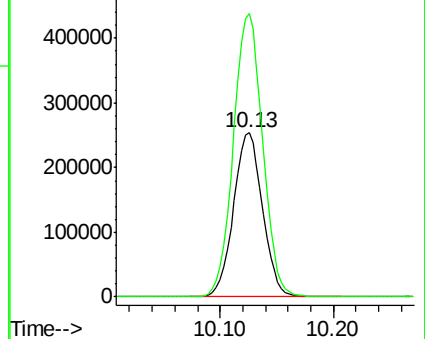
92 100

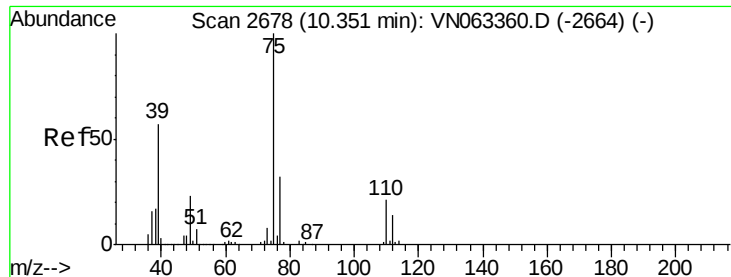
91 174.7 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





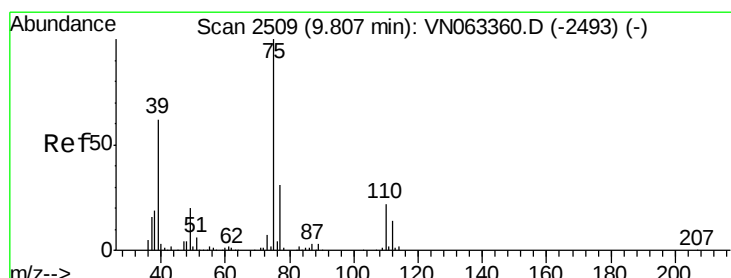
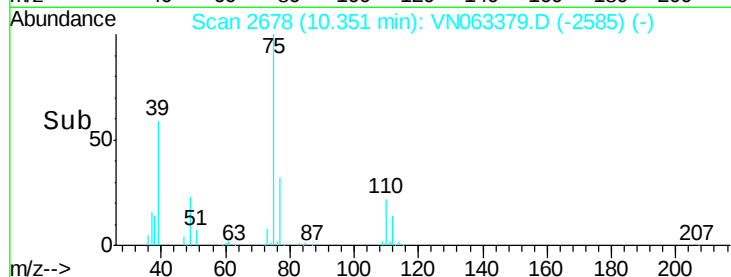
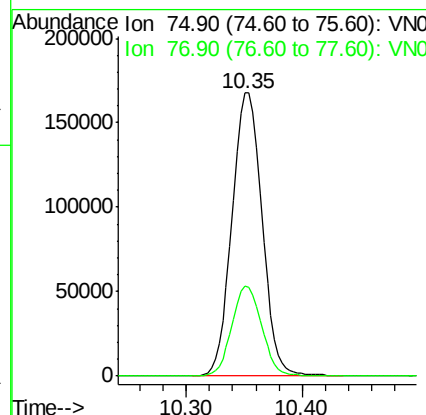
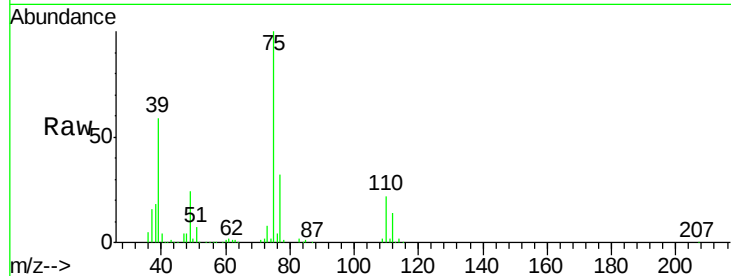
#53
t-1,3-Dichloropropene
Concen: 46.910 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 300883
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

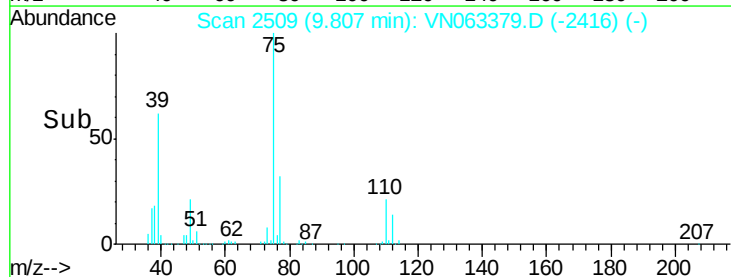
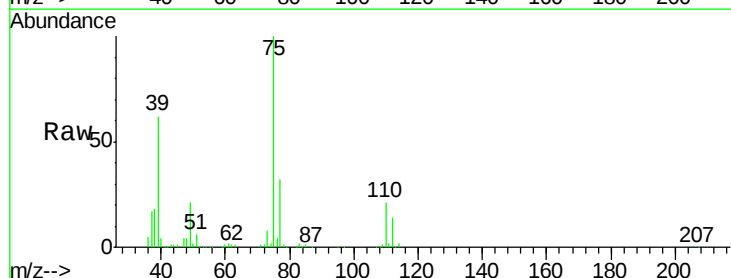
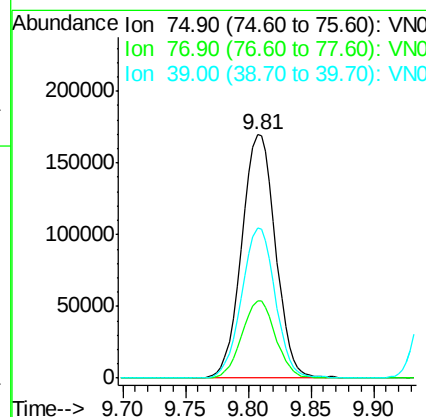
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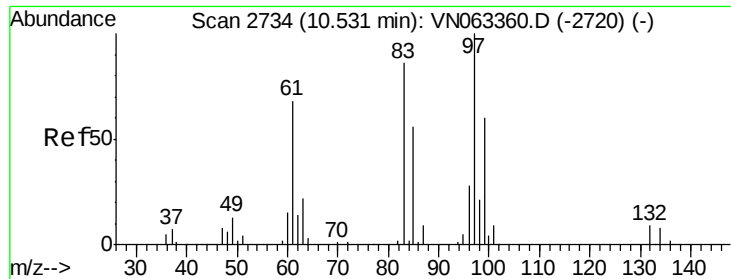
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#54
cis-1,3-Dichloropropene
Concen: 46.983 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion: 75 Resp: 317863
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0
39 61.4 49.8 74.8





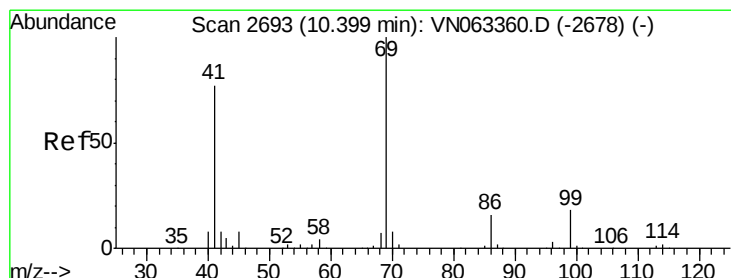
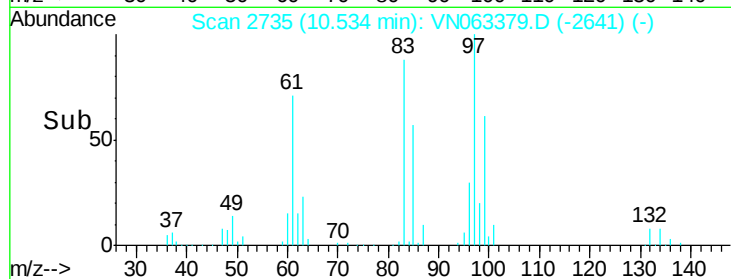
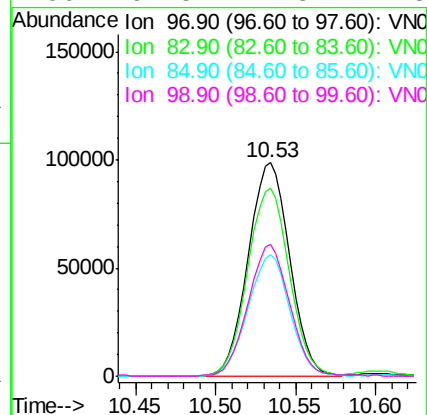
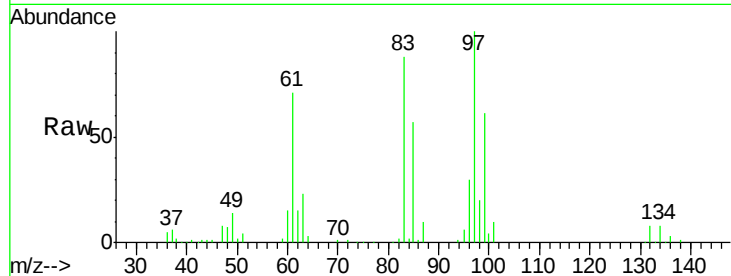
#55
 1,1,2-Trichloroethane
 Concen: 47.440 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	175029
Ion	Ratio	Lower	Upper
97	100		
83	88.3	68.9	103.3
85	57.0	44.8	67.2
99	61.5	47.8	71.8

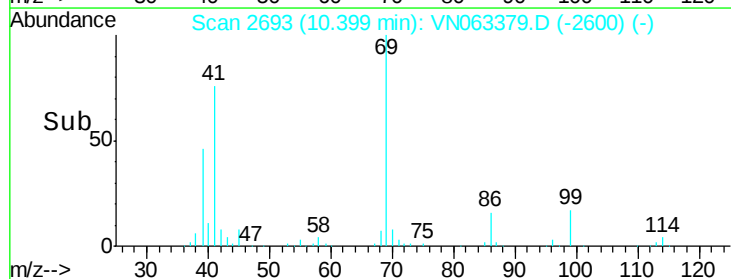
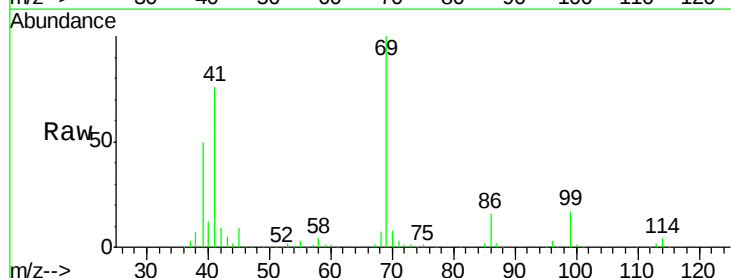
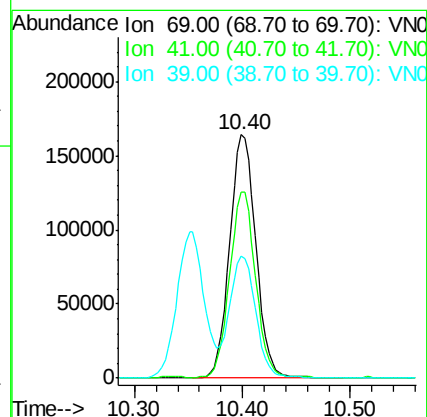
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#56
 Ethyl methacrylate
 Concen: 48.214 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion:	69	Resp:	277700
Ion	Ratio	Lower	Upper
69	100		
41	75.4	61.0	91.6
39	49.9	39.2	58.8





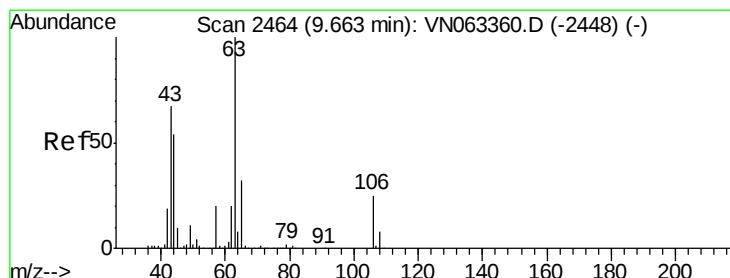
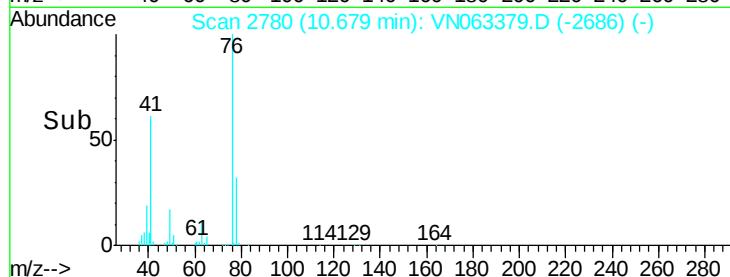
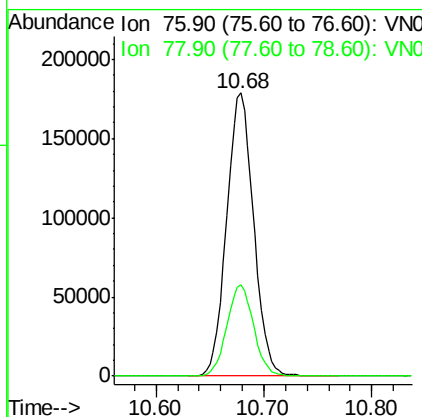
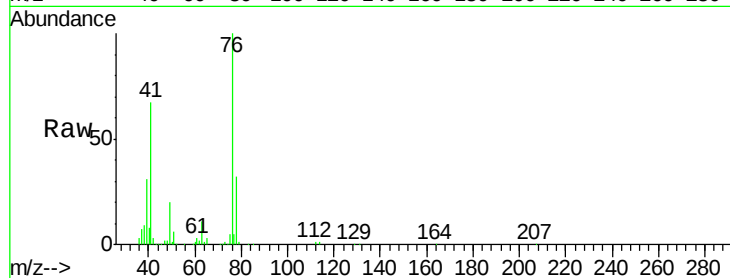
#57
 1,3-Dichloropropane
 Concen: 46.963 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 312460
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.8 38.8

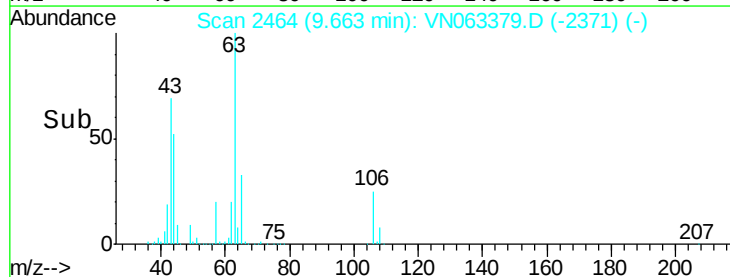
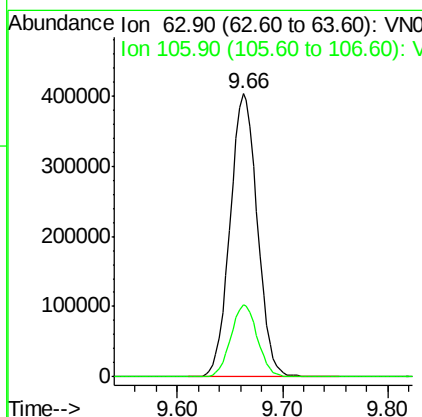
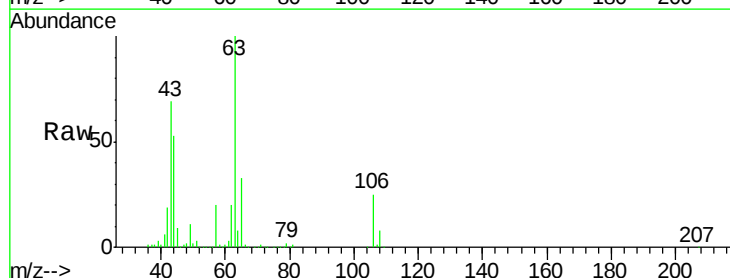
Manual Integrations
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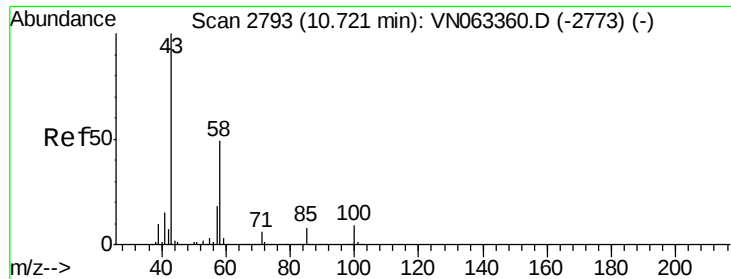
MMDadoda
 9/17/2020 1:09:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 238.375 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion: 63 Resp: 720234
 Ion Ratio Lower Upper
 63 100
 106 24.9 19.5 29.3





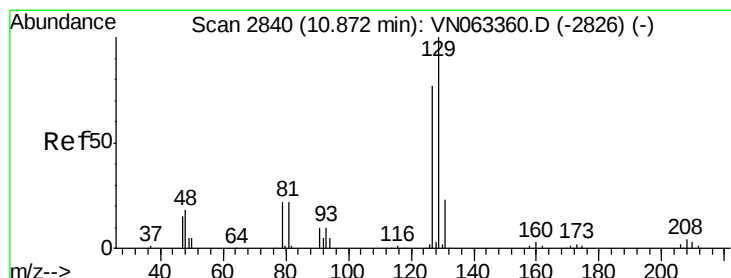
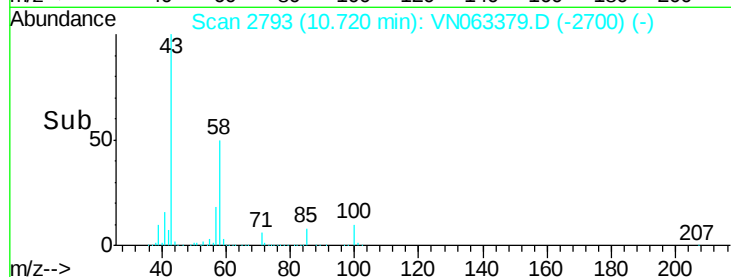
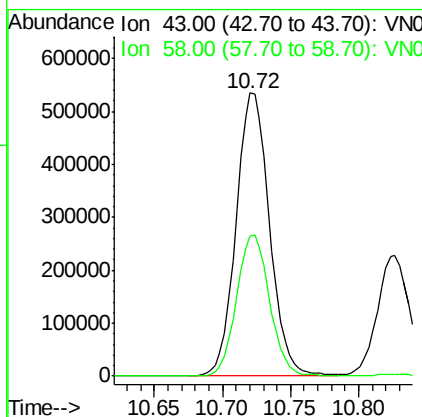
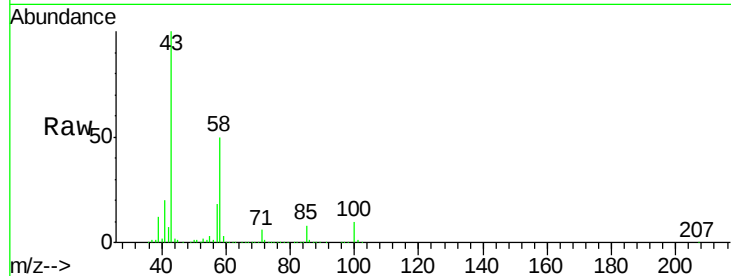
#59
2-Hexanone
Concen: 235.257 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 906245
Ion Ratio Lower Upper
43 100
58 49.7 24.7 74.1

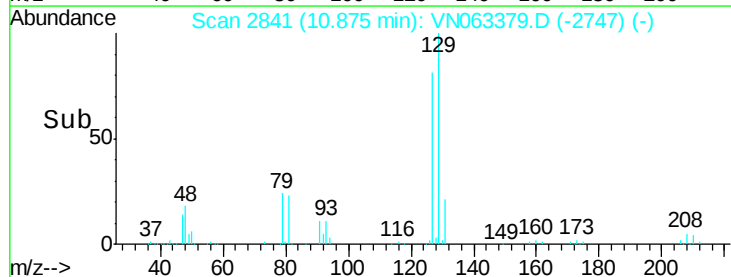
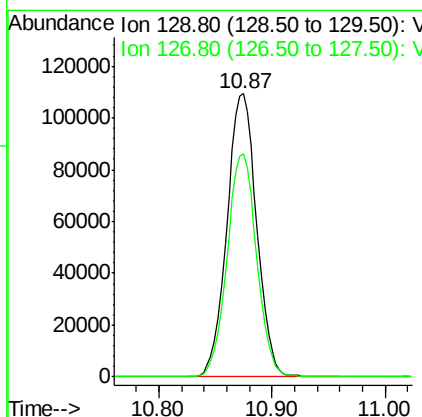
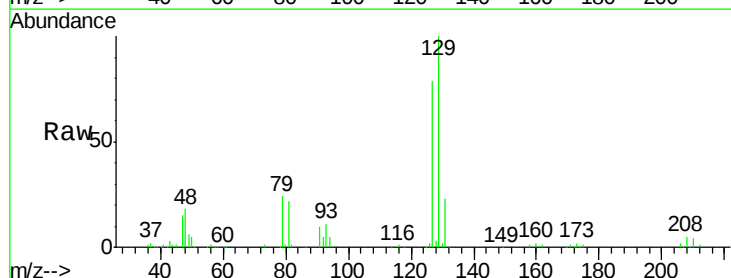
Manual Integrations
APPROVED

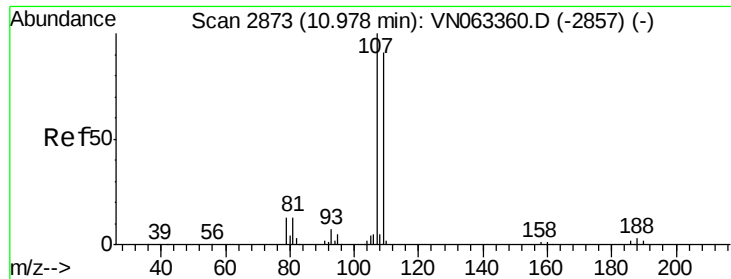
MMDadoda
9/17/2020 1:09:58 PM



#60
Dibromochloromethane
Concen: 48.000 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion: 129 Resp: 200071
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.3





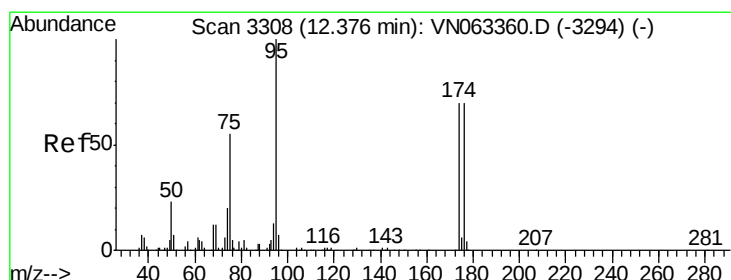
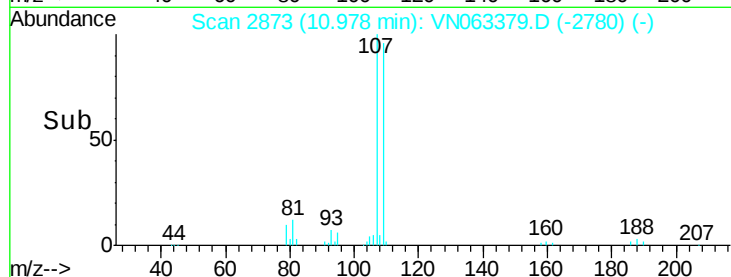
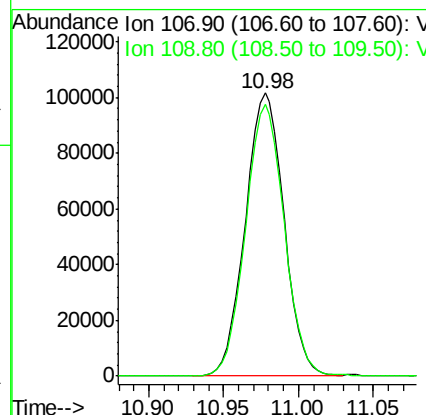
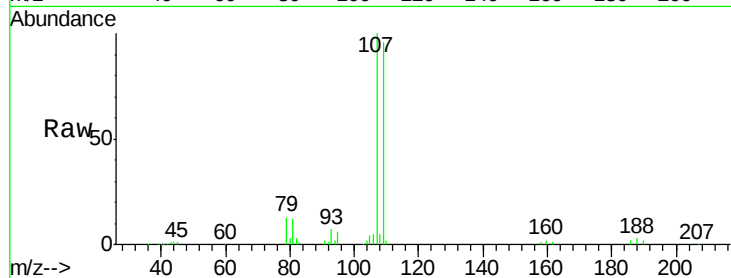
#61
 1,2-Dibromoethane
 Concen: 47.797 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	74.6	111.8

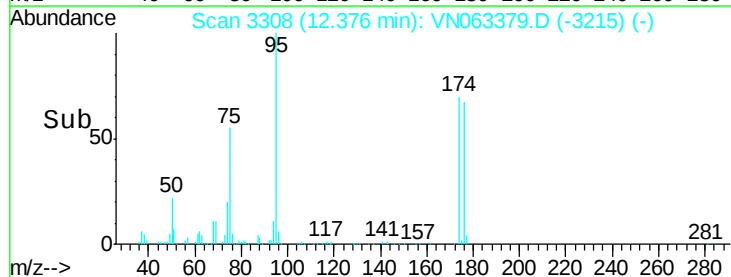
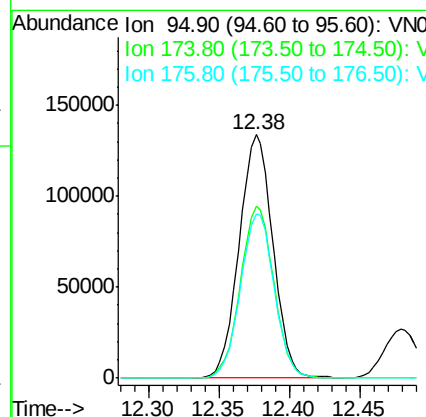
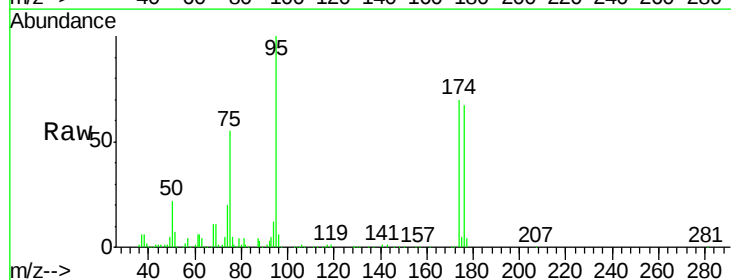
Manual Integrations
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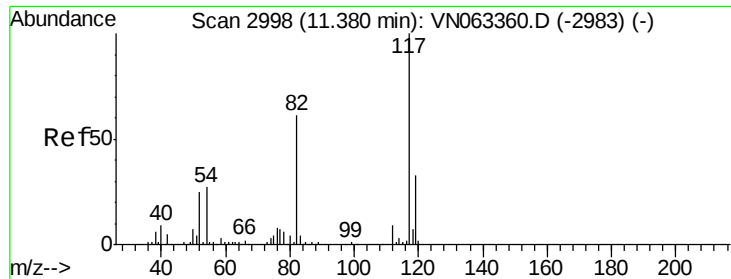
MMDadoda
 9/17/2020 1:09:58 PM



#62
 4-Bromofluorobenzene
 Concen: 46.393 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	140.8
176	67.4	0.0	137.6





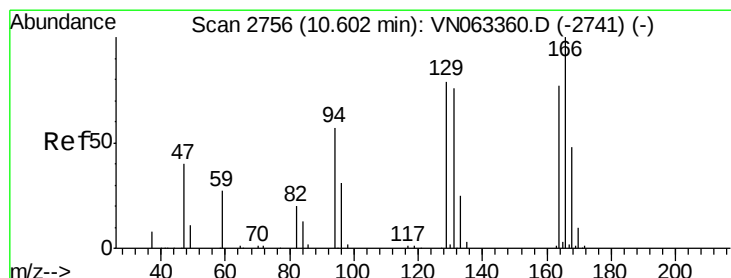
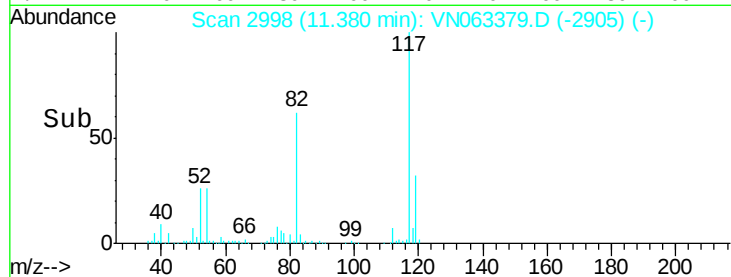
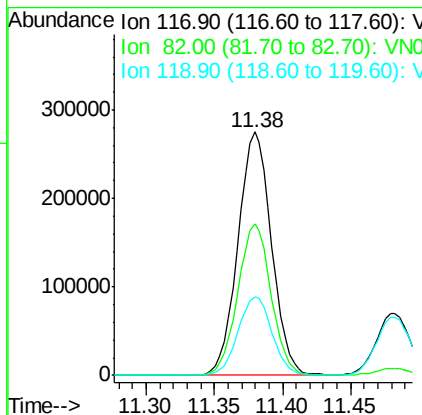
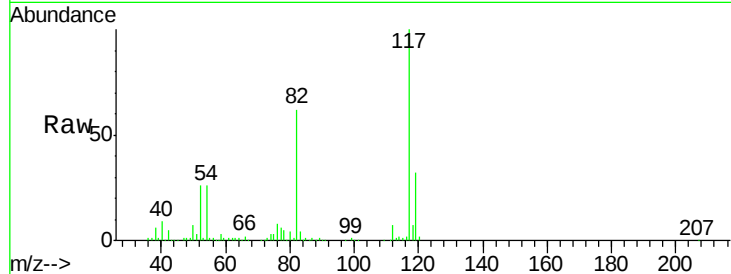
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	469355		
82	62.0	49.2	73.8	
119	32.2	26.2	39.4	

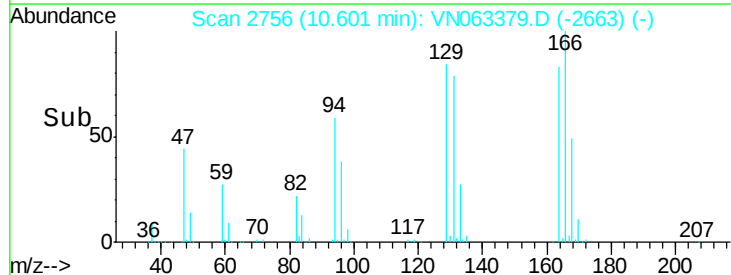
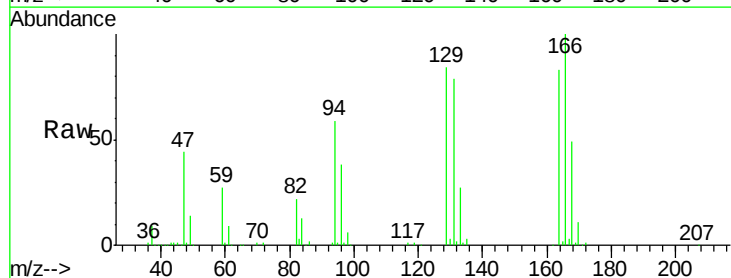
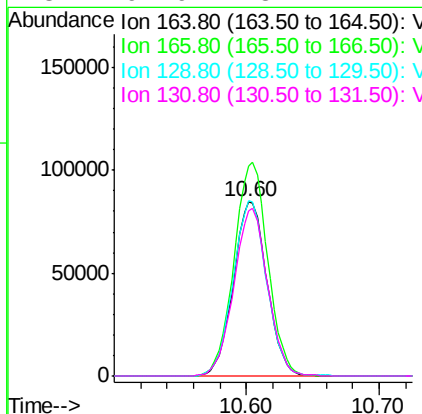
Manual Integrations
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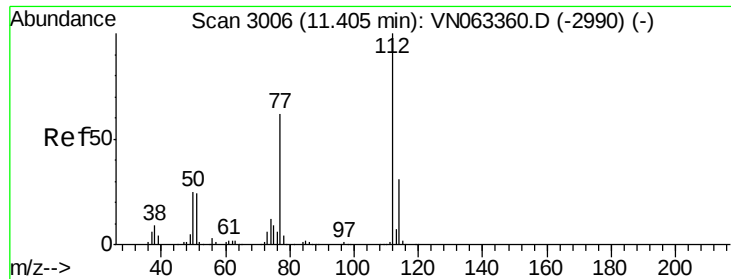
MMDadoda
9/17/2020 1:09:58 PM



#64
Tetrachloroethene
Concen: 46.507 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	148634		
166	120.3	103.4	155.0	
129	100.7	81.8	122.6	
131	94.9	78.2	117.4	





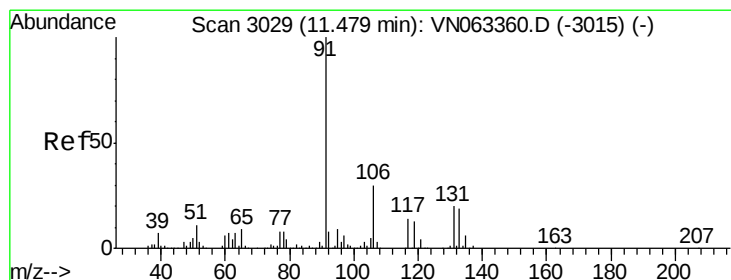
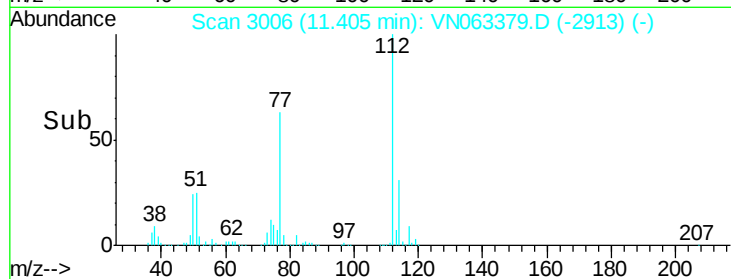
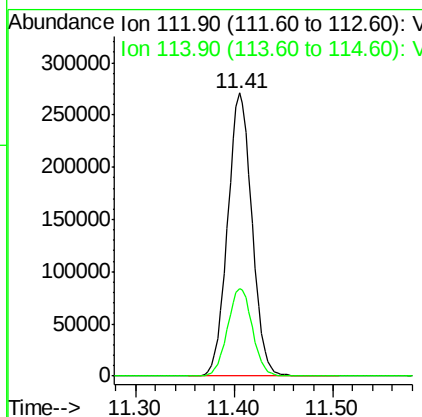
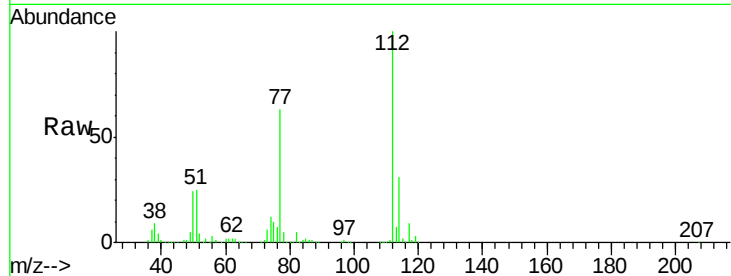
#65
Chlorobenzene
Concen: 46.997 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.0	37.6

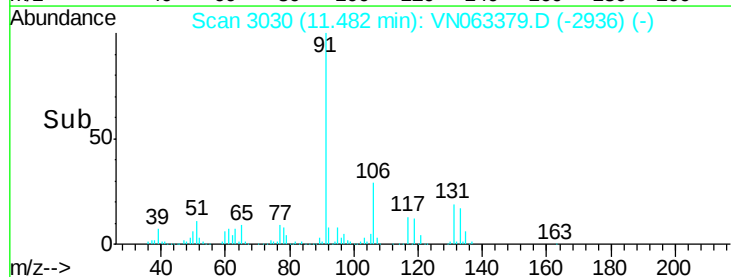
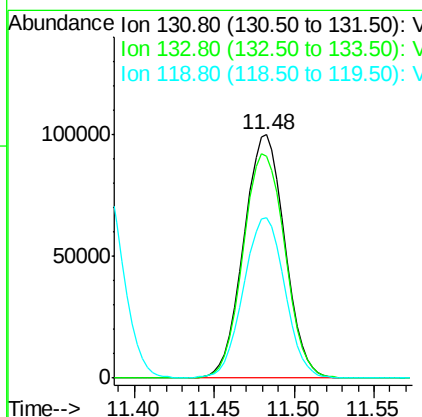
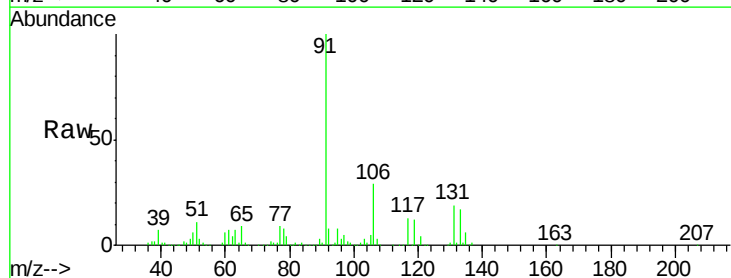
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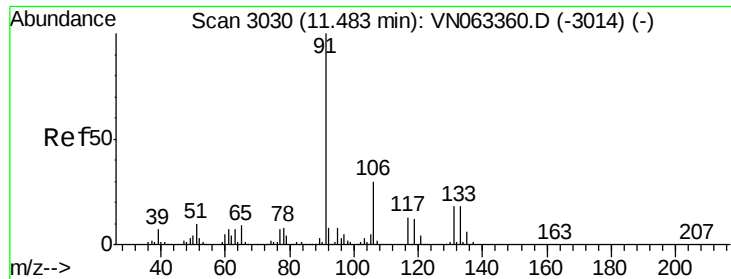
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.136 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	47.3	141.9
119	66.5	33.6	100.8





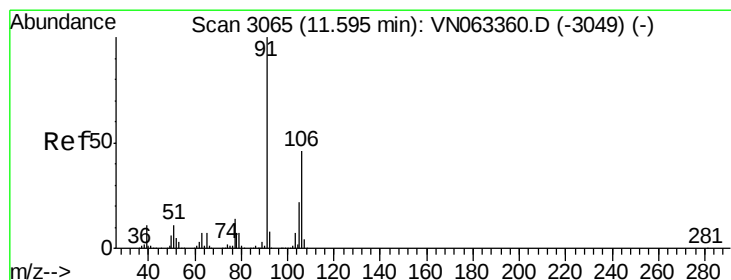
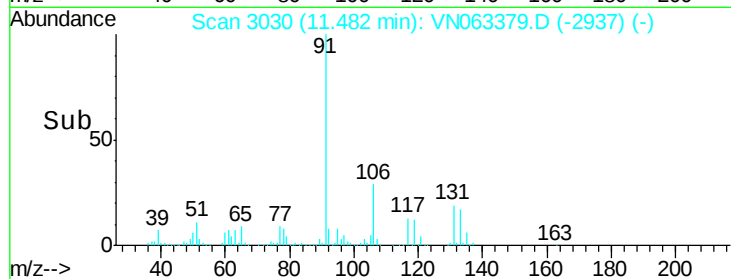
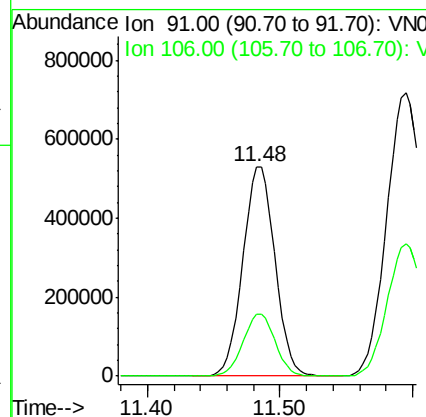
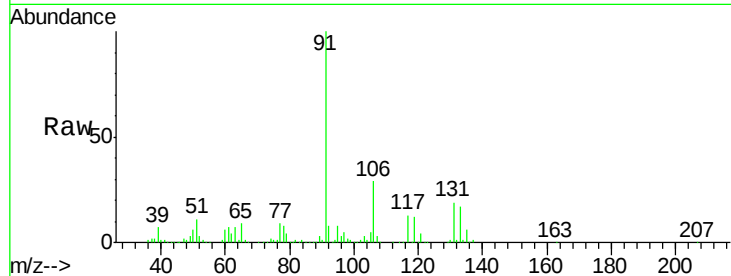
#67
Ethyl Benzene
Concen: 47.609 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	29.5	23.8	35.6	

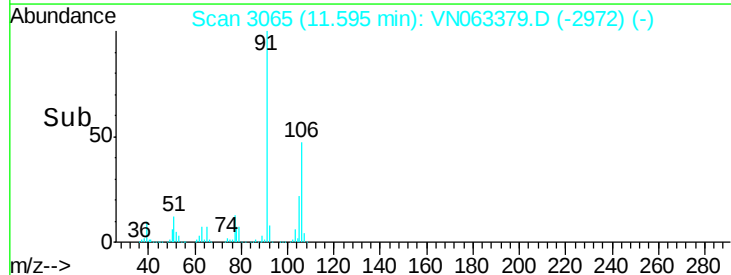
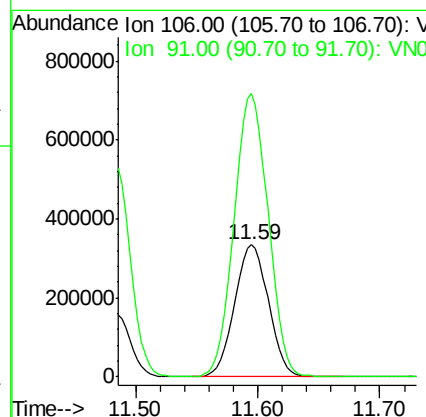
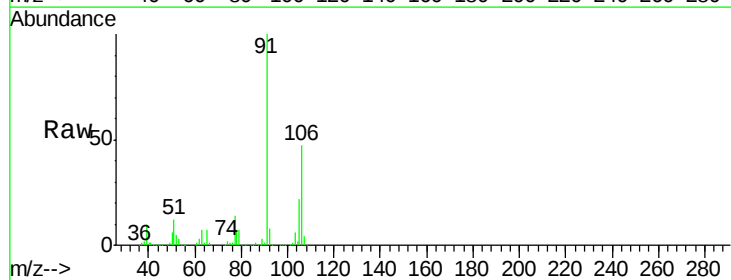
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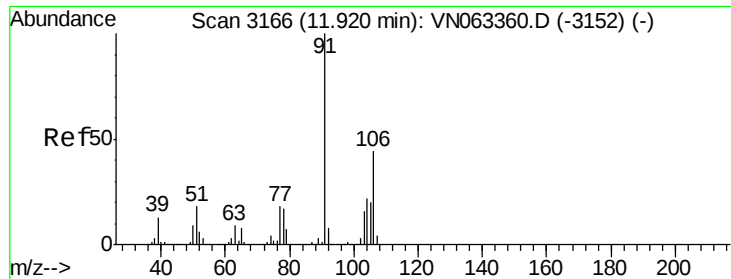
MMDadoda
9/17/2020 1:09:58 PM



#68
m/p-Xylenes
Concen: 95.058 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.5	171.2	256.8	





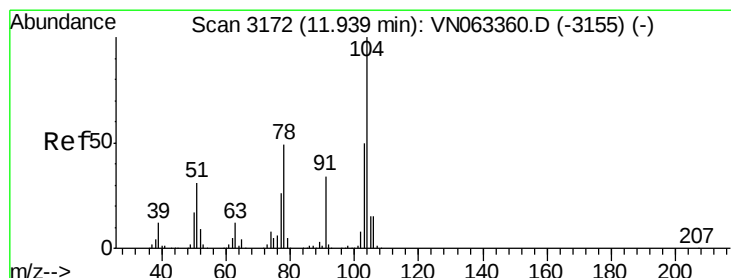
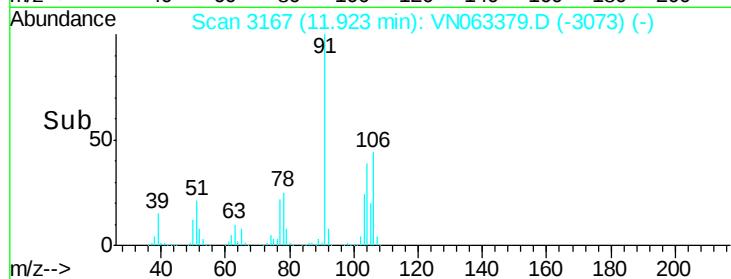
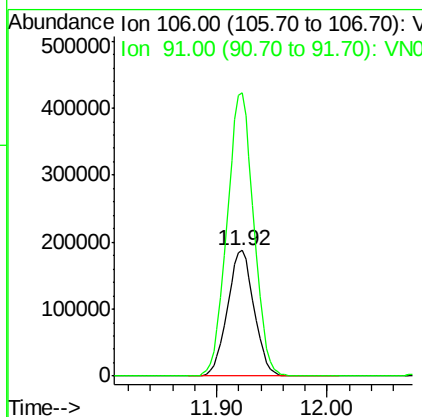
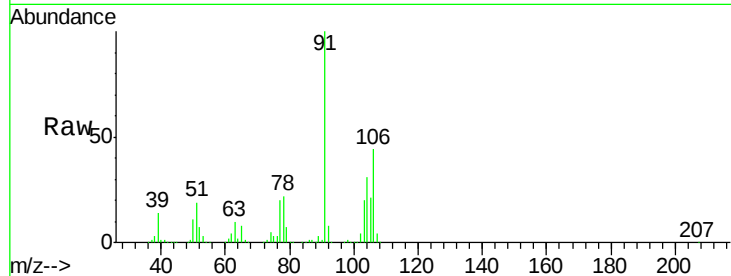
#69
o-Xylene
Concen: 48.533 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	226.5	113.6	312758	340.8	

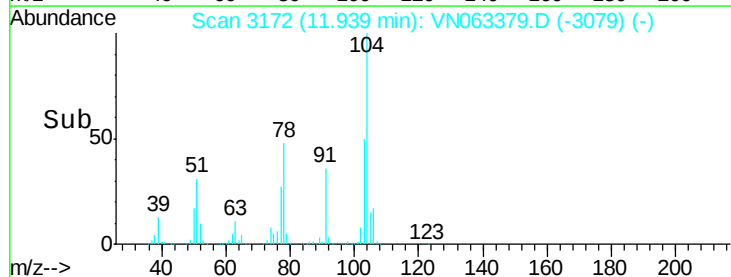
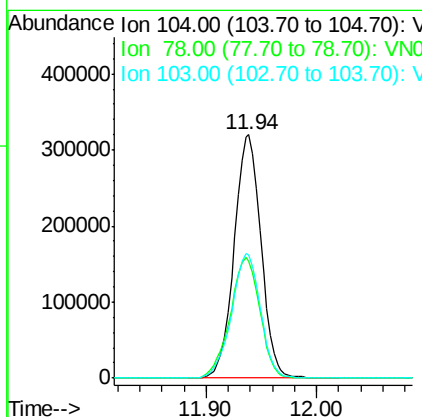
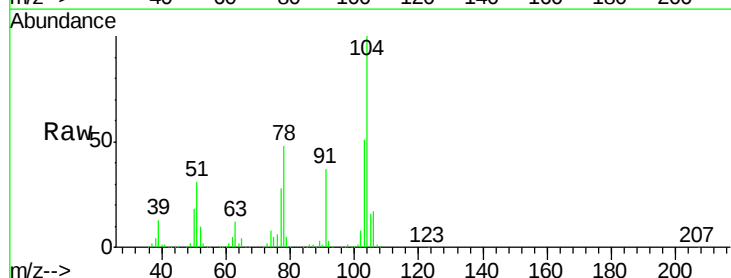
Manual Integrations
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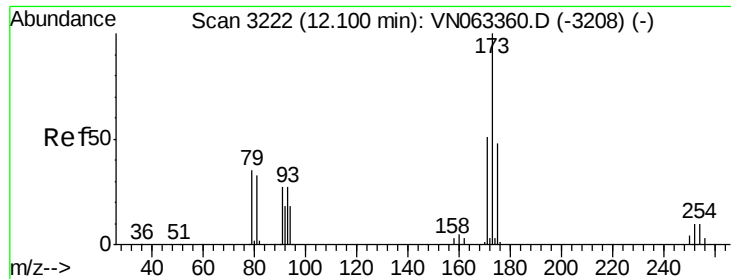
MMDadoda
9/17/2020 1:09:58 PM



#70
Styrene
Concen: 49.930 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	54.9	44.4	539579	66.6	
103	55.3	43.7		65.5	





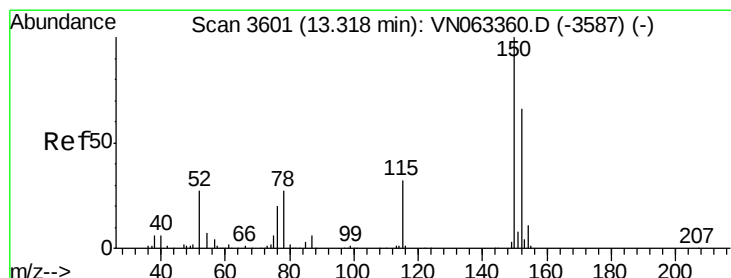
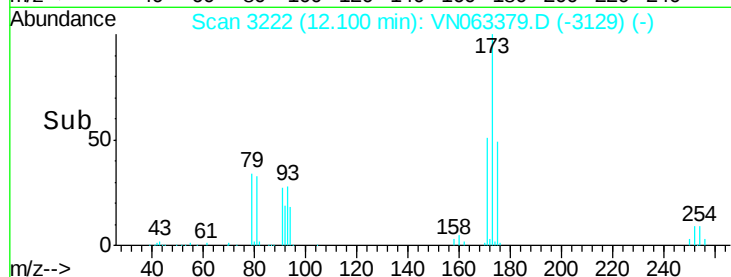
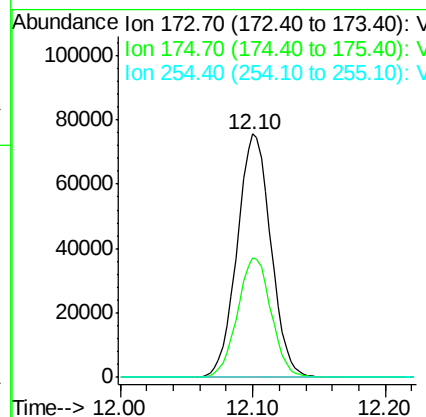
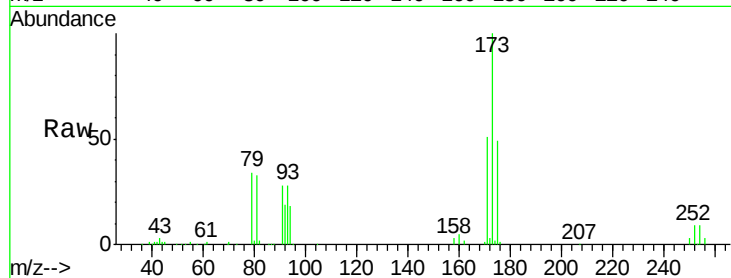
#71
Bromoform
Concen: 49.016 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.0	72.0
254	0.0	0.0	0.0

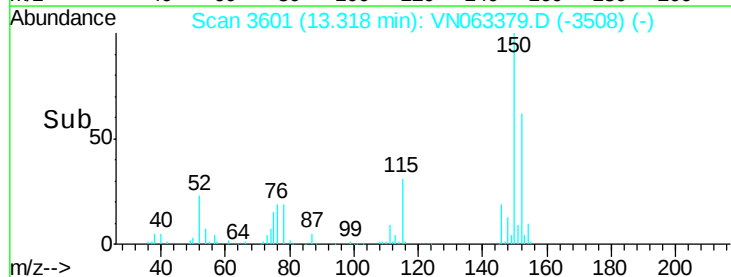
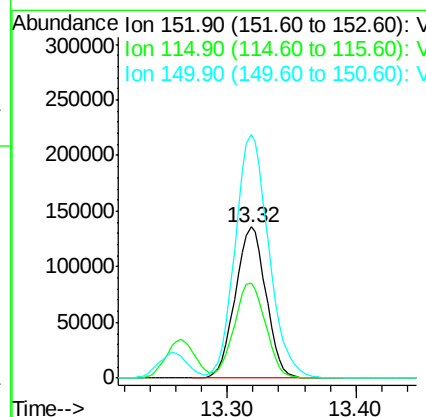
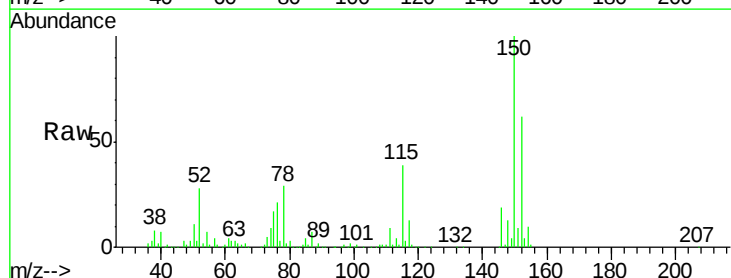
Manual Integrations
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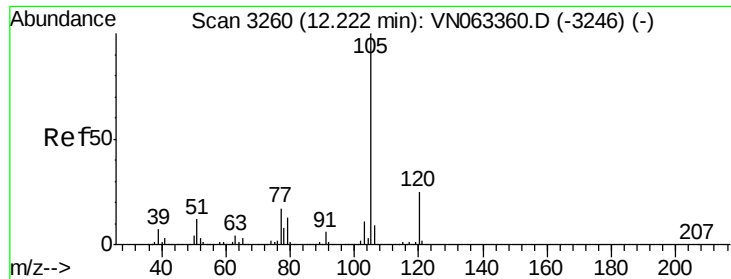
MMDadoda
9/17/2020 1:09:58 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.0	32.2	96.6
150	175.9	0.0	343.4





#73

Isopropylbenzene

Concen: 47.051 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 849313

Ion Ratio Lower Upper

105 100

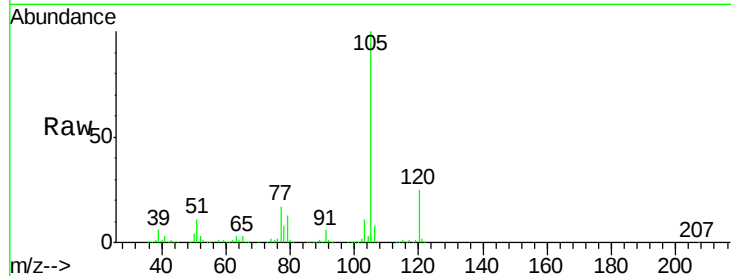
120 25.4 12.7 38.0

Manual Integrations

APPROVED

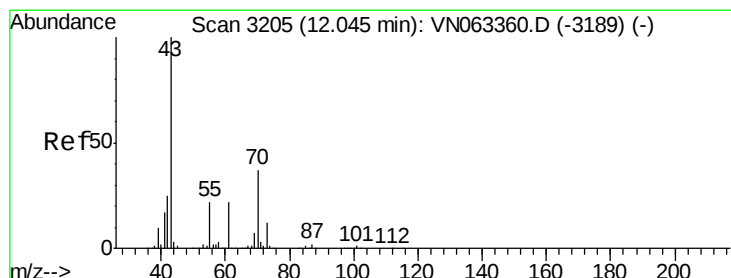
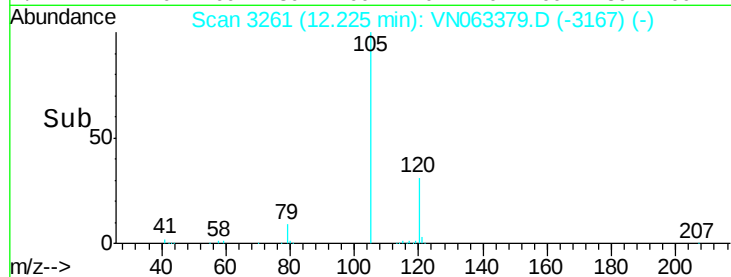
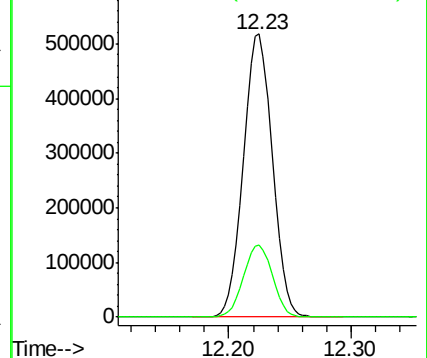
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.956 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Tgt Ion: 43 Resp: 401228

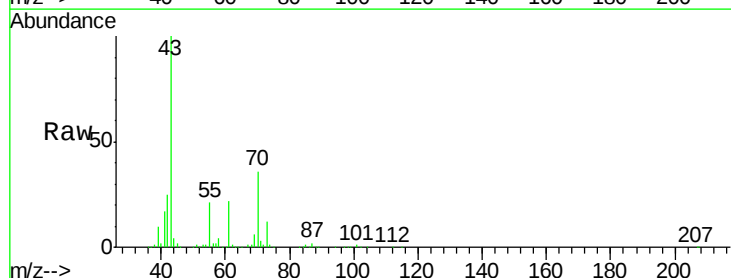
Ion Ratio Lower Upper

43 100

70 36.7 29.6 44.4

55 22.1 17.7 26.5

61 22.2 17.4 26.2

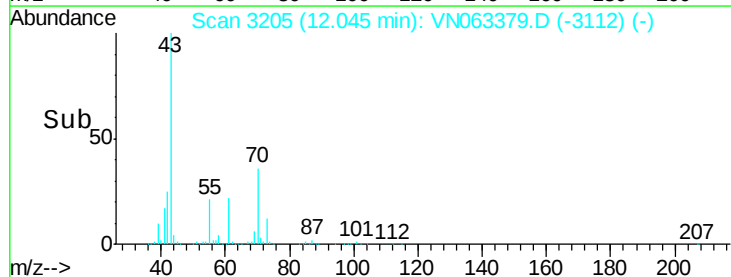
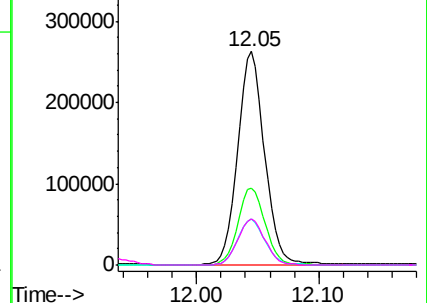


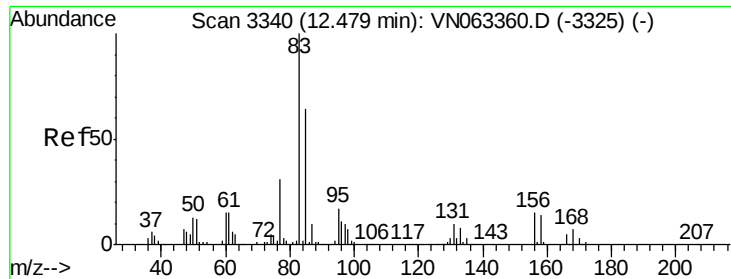
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 46.318 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

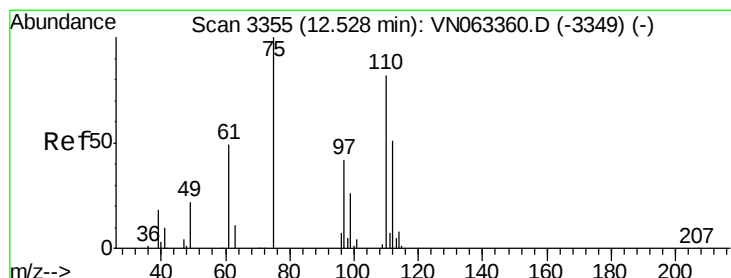
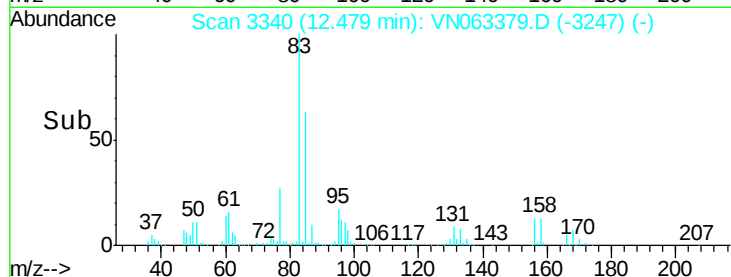
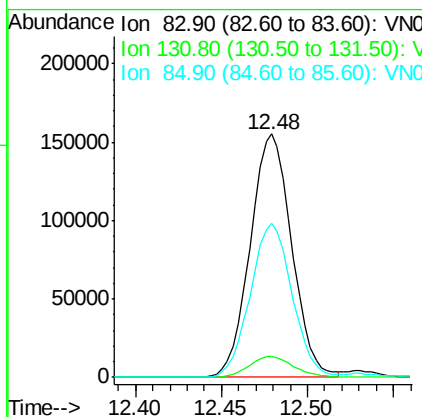
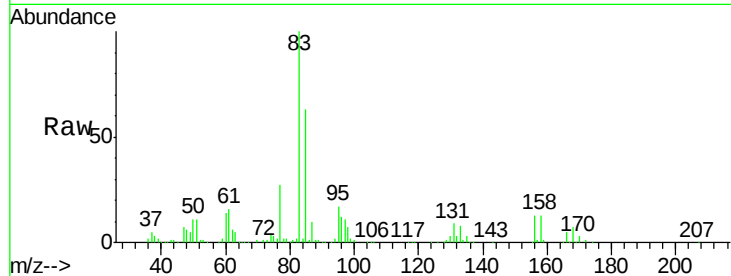
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	258880
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.7
85	63.9	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 46.721 ug/l m

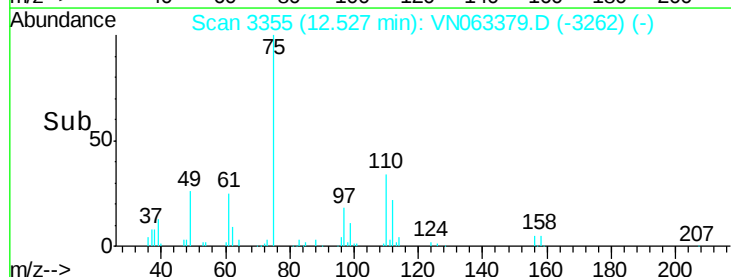
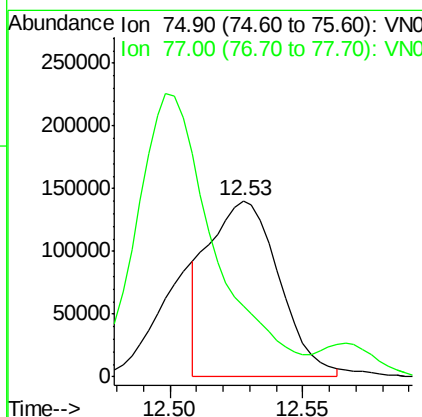
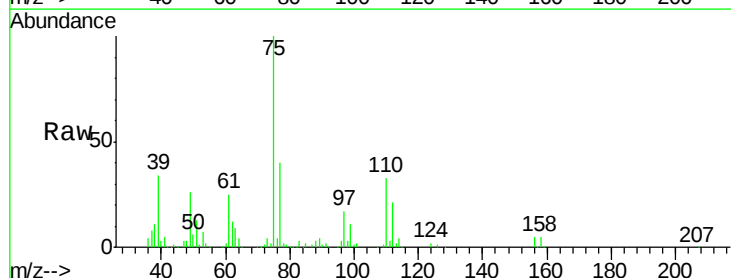
RT: 12.53 min Scan# 3355

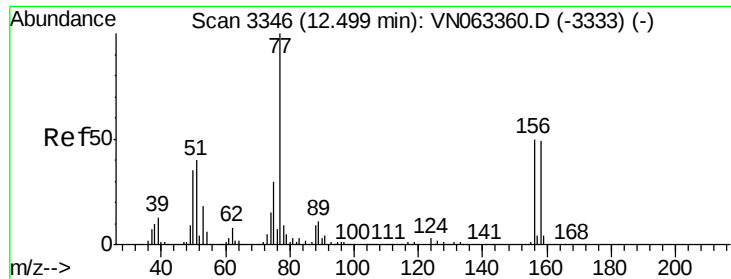
Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Tgt Ion:	75	Resp:	260491
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.573 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

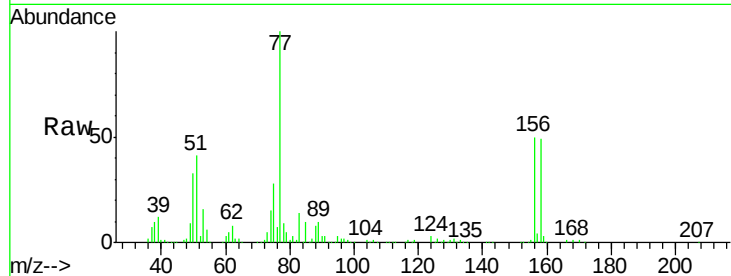
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	197228
Ion Ratio	Lower	Upper	
156	100		
77	233.3	120.2	360.6
158	97.5	48.9	146.6

Manual Integrations
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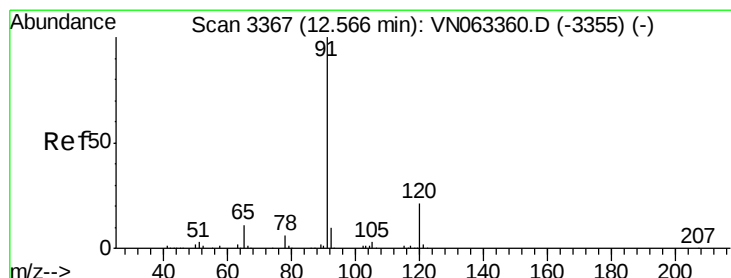
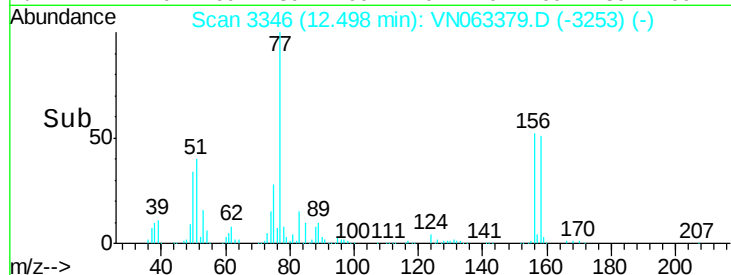
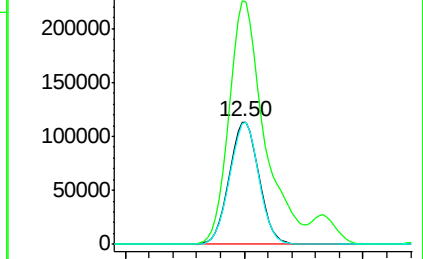
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.290 ug/l

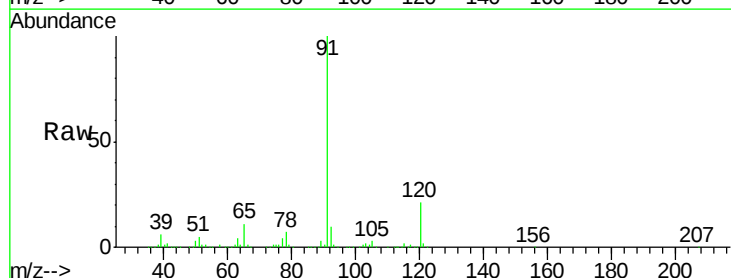
RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063379.D

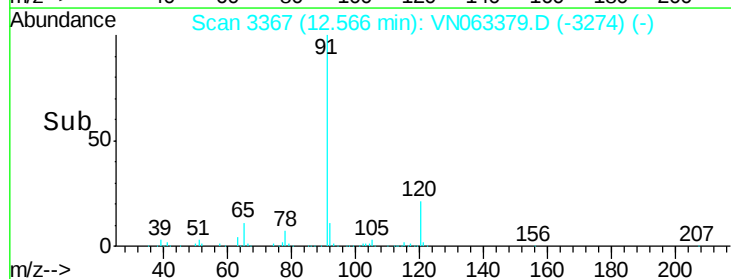
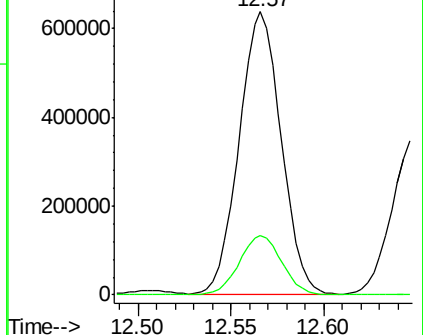
Acq: 16 Sep 2020 21:05

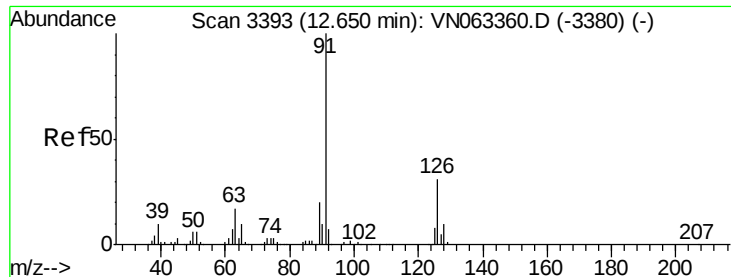
Tgt Ion:	91	Resp:	994245
Ion Ratio	Lower	Upper	
91	100		
120	21.3	10.8	32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.947 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 591668

Ion Ratio Lower Upper

91 100

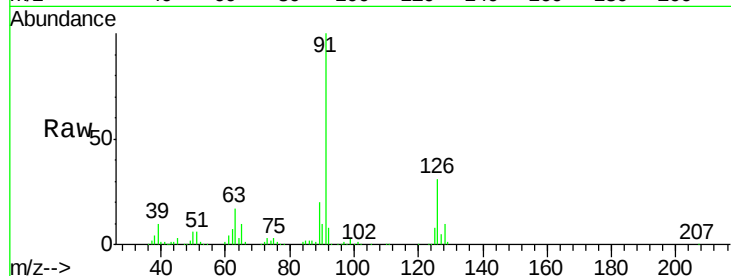
126 31.5 15.8 47.3

Manual Integrations

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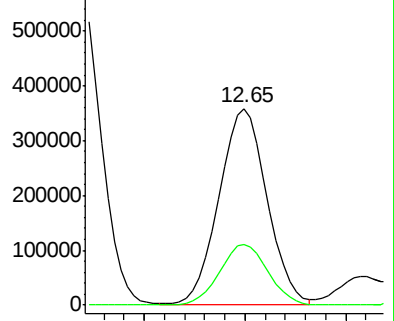
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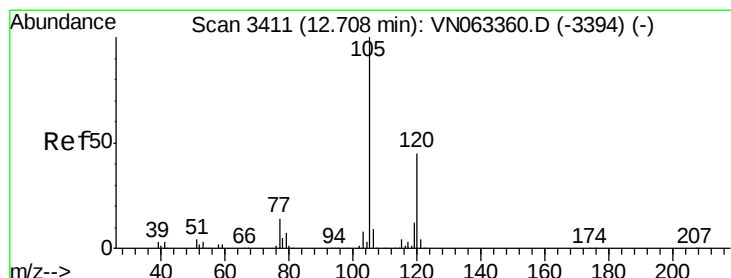
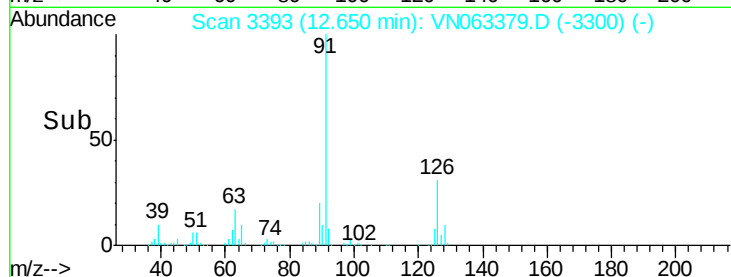


Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 47.935 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063379.D

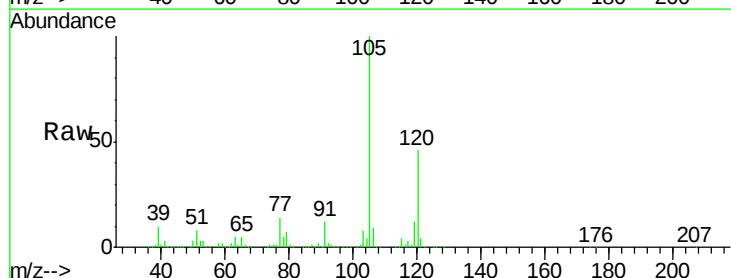
Acq: 16 Sep 2020 21:05

Tgt Ion: 105 Resp: 721533

Ion Ratio Lower Upper

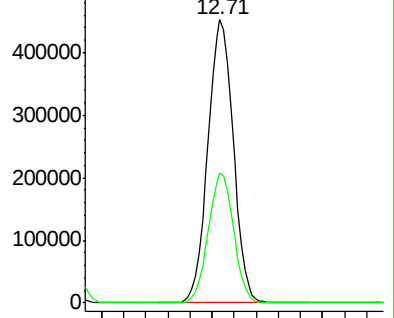
105 100

120 45.9 22.9 68.8

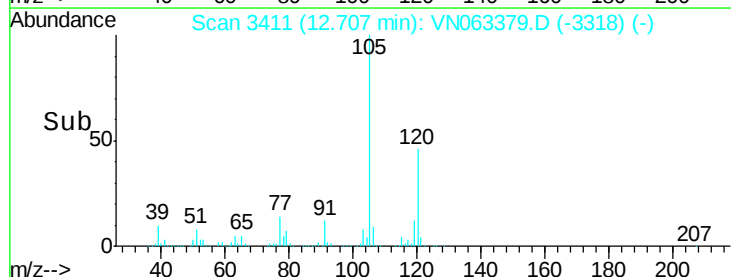


Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 44.478 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

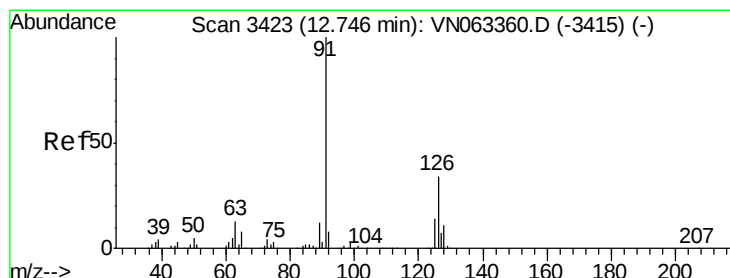
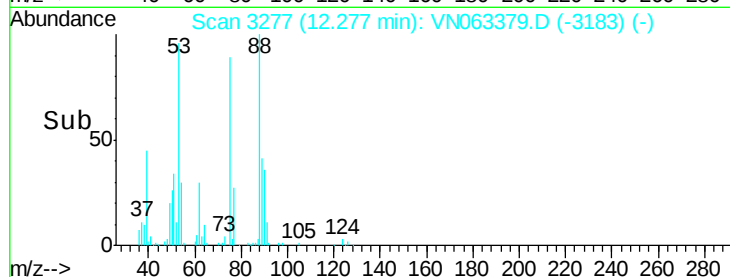
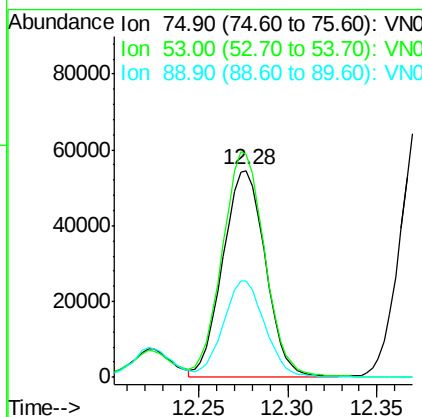
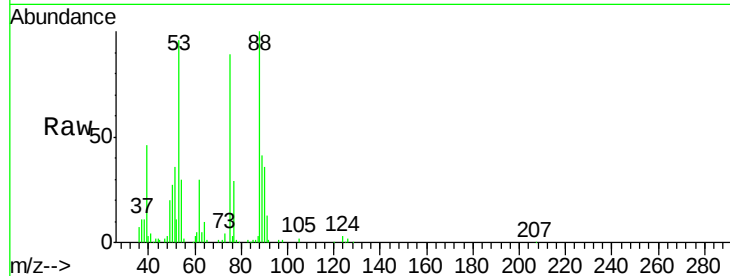
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	90453
Ion	Ratio	Lower	Upper
75	100		
53	109.4	85.7	128.5
89	45.5	38.0	57.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 47.037 ug/l

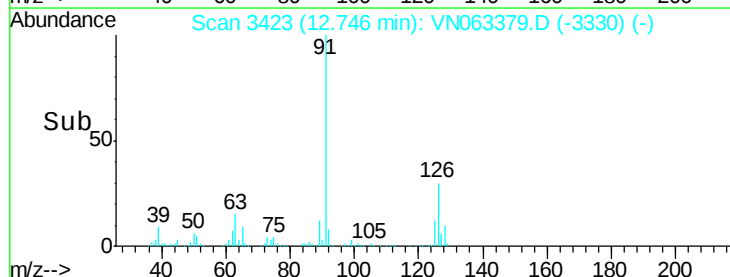
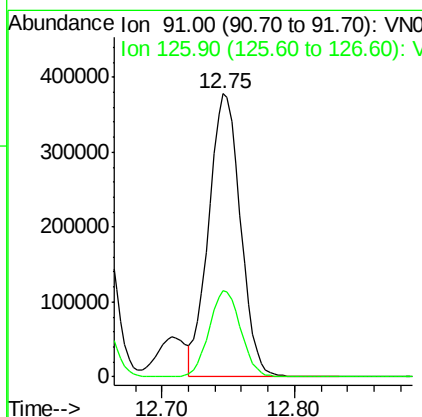
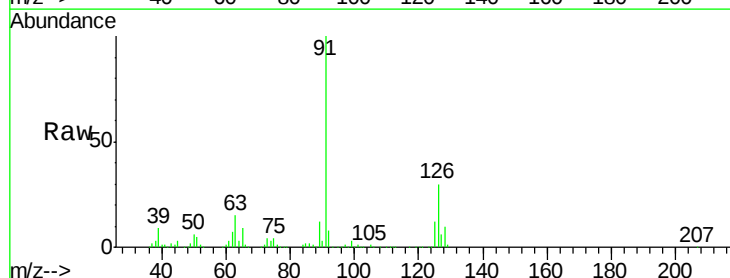
RT: 12.75 min Scan# 3423

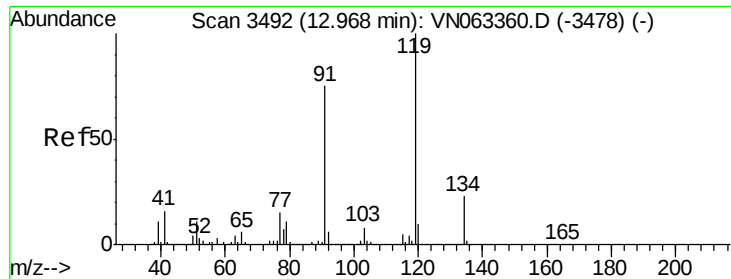
Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Tgt Ion:	91	Resp:	626354
Ion	Ratio	Lower	Upper
91	100		
126	30.2	15.5	46.5





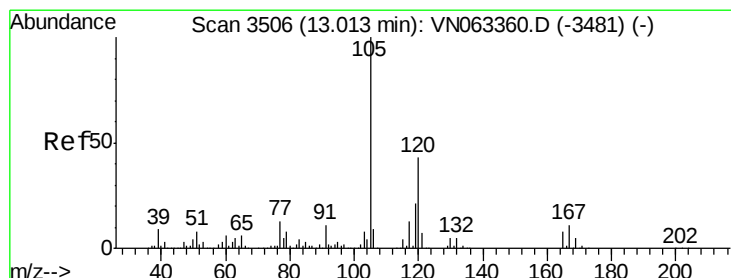
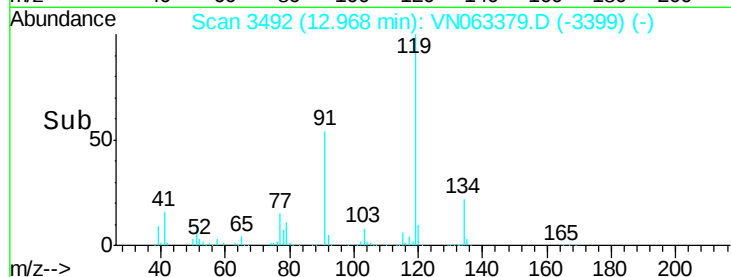
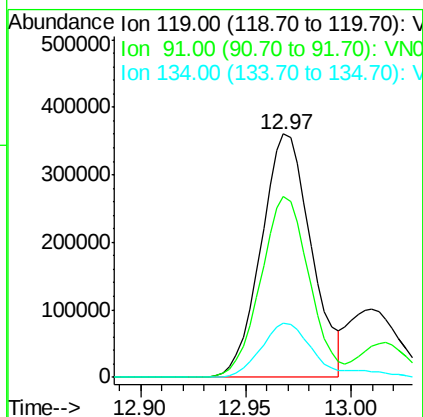
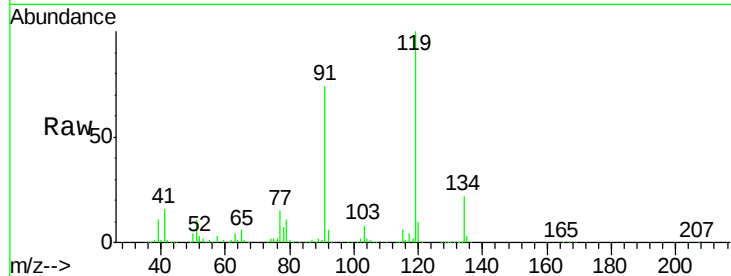
#83
 tert-Butylbenzene
 Concen: 47.823 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	594111		
91	72.2	36.3	108.9	
134	24.2	12.3	36.8	

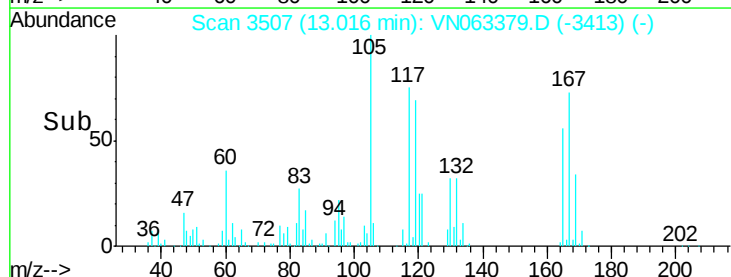
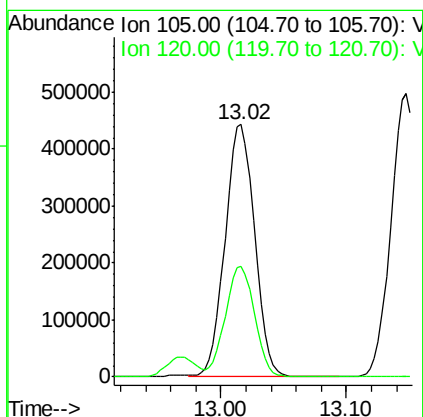
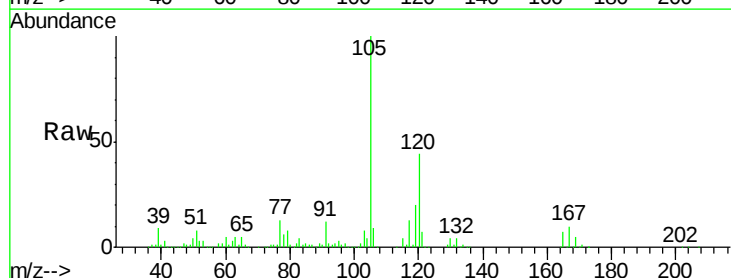
Manual Integrations
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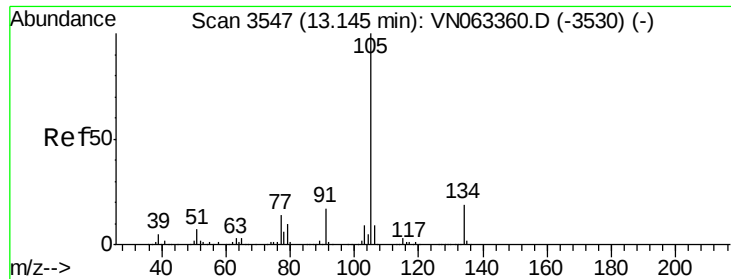
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.423 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	721021		
120	43.5	21.3	63.9	





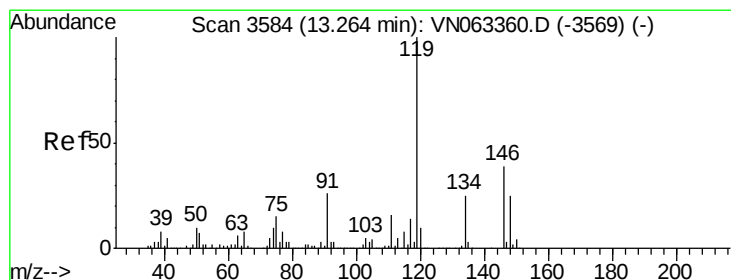
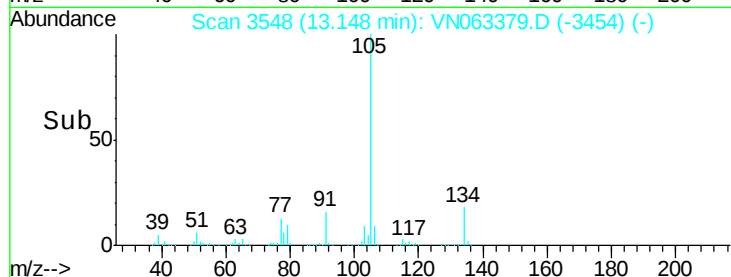
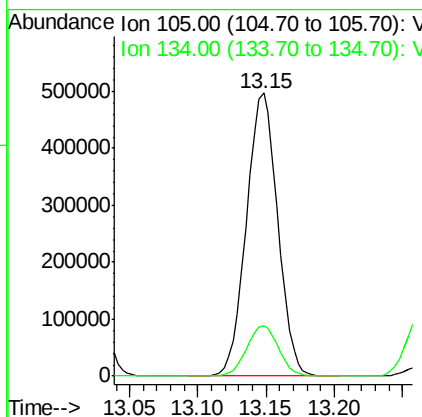
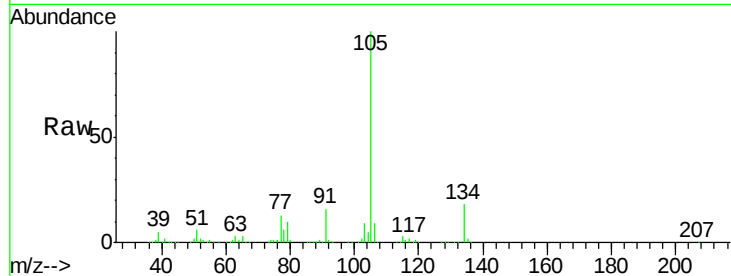
#85
 sec-Butylbenzene
 Concen: 47.457 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	18.2	9.3	27.7

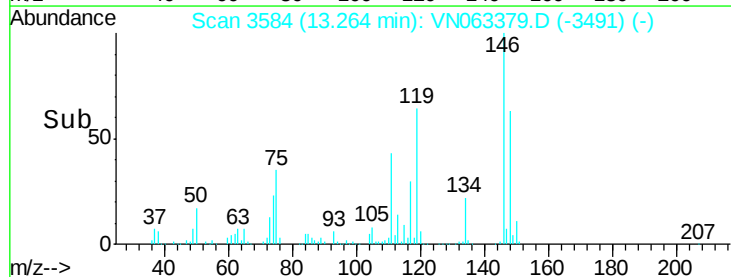
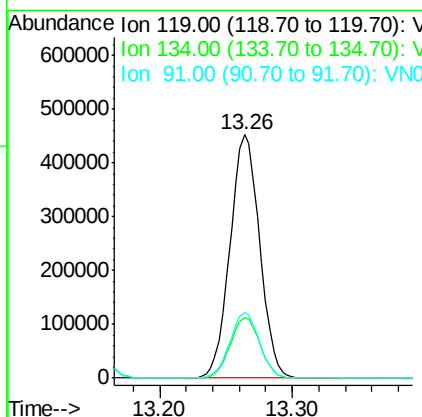
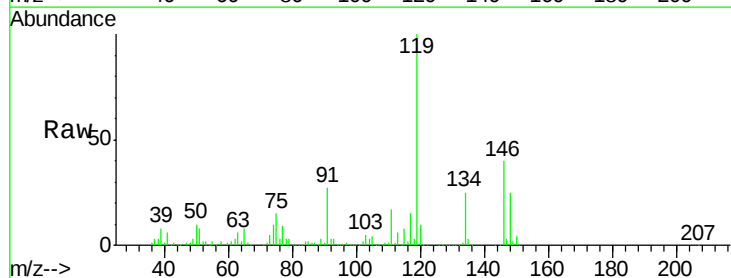
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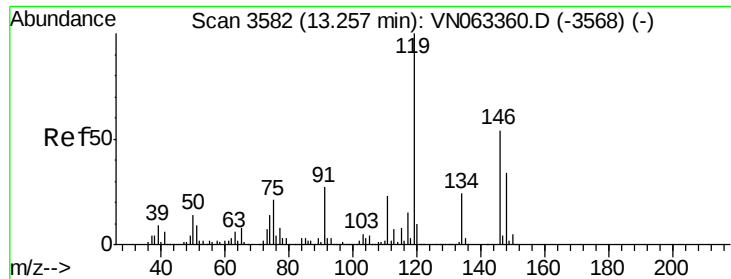
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#86
 p-Isopropyltoluene
 Concen: 47.572 ug/l
 RT: 13.26 min Scan# 3584
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.5	37.5
91	26.8	13.4	40.1





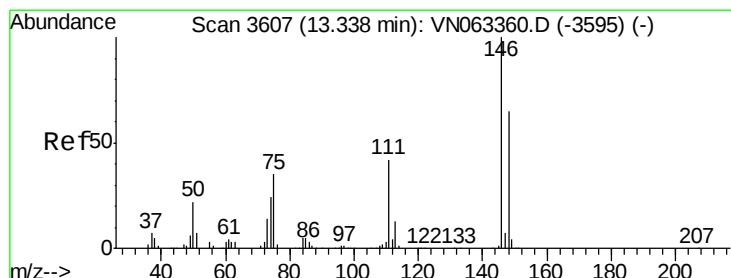
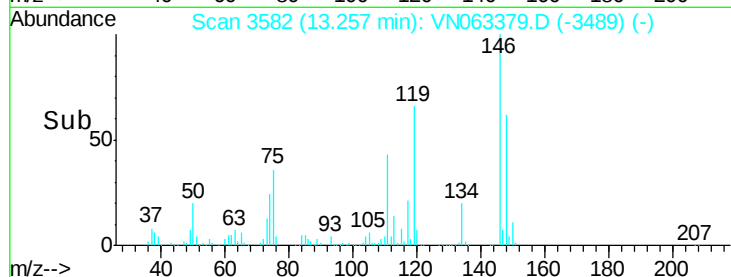
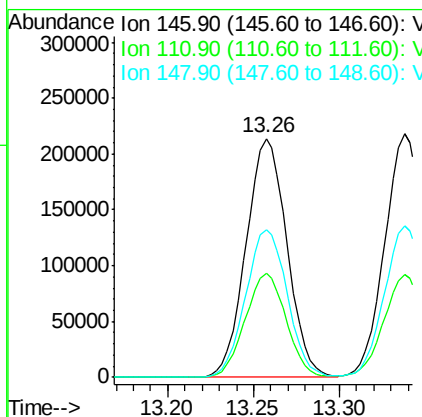
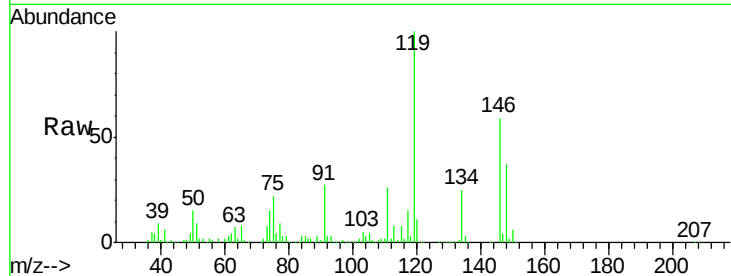
#87
 1,3-Dichlorobenzene
 Concen: 46.799 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.4	64.3
148	63.0	31.9	95.7

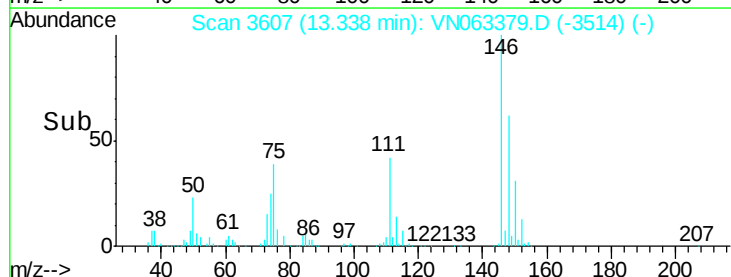
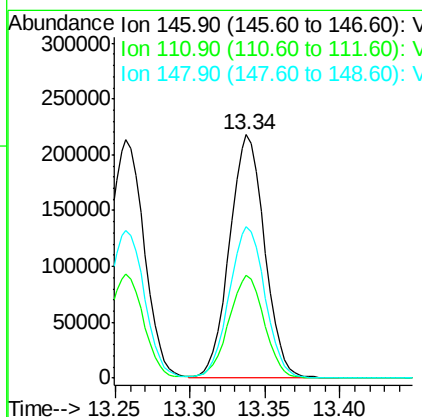
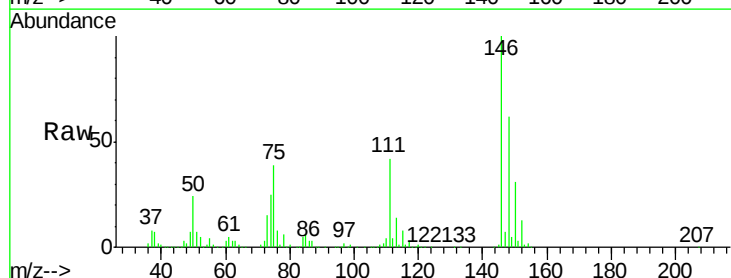
Manual Integrations
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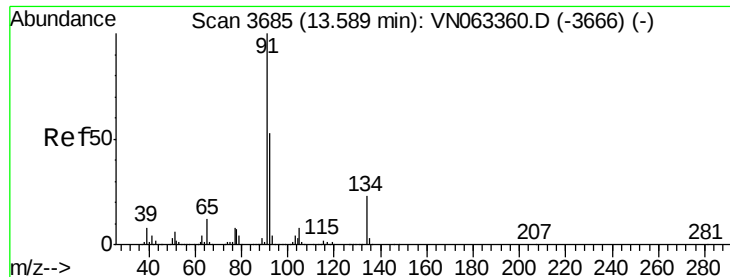
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#88
 1,4-Dichlorobenzene
 Concen: 46.454 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	21.2	63.6
148	63.5	31.9	95.9





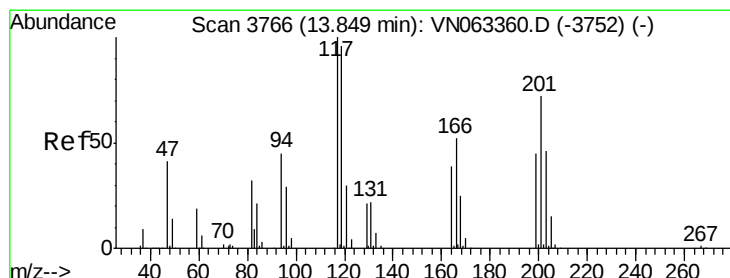
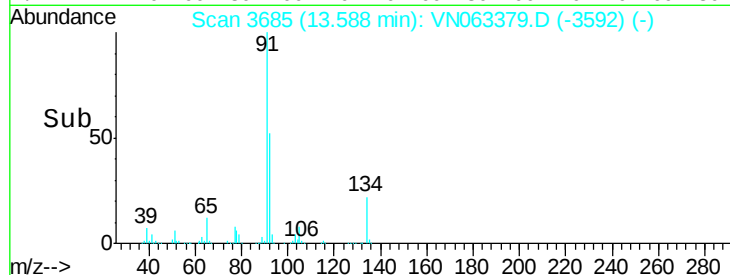
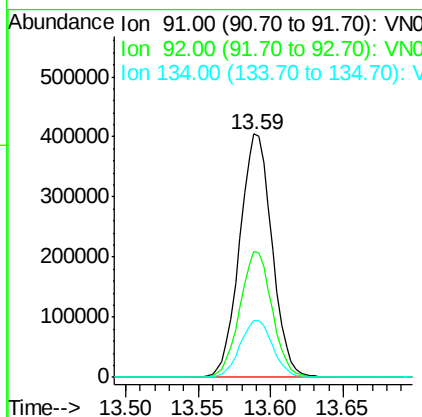
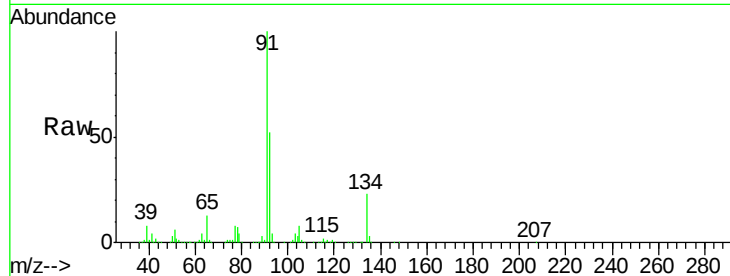
#89
n-Butylbenzene
Concen: 46.582 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	23.5	11.7	35.0

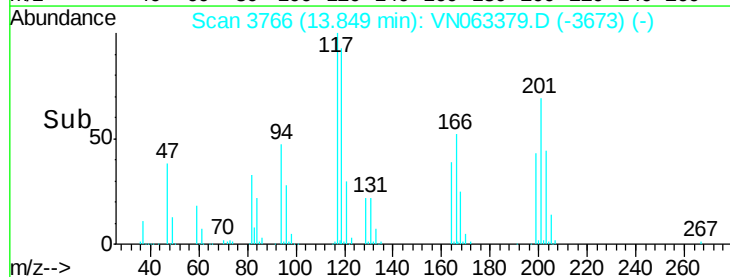
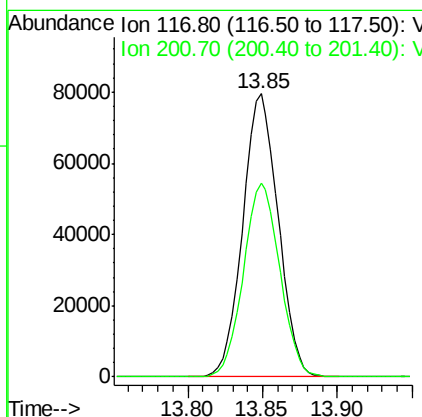
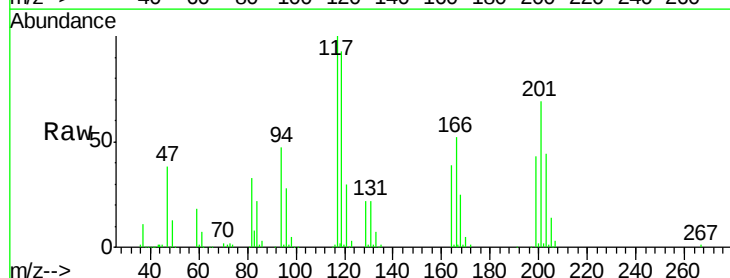
Manual Integrations
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#90
Hexachloroethane
Concen: 47.008 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063379.D
Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.0	35.5	106.7





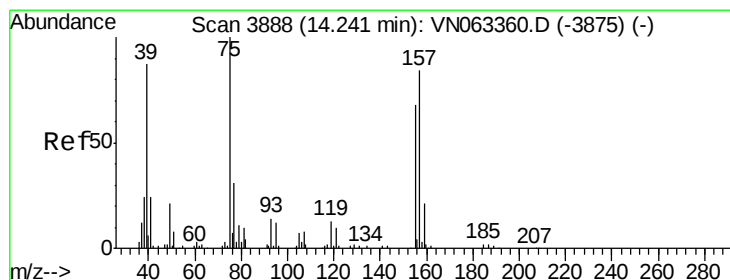
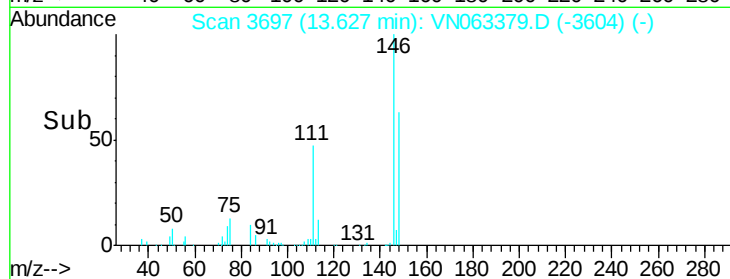
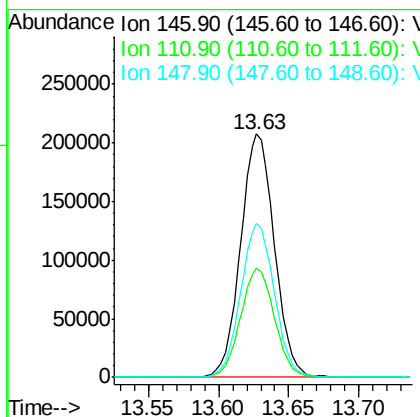
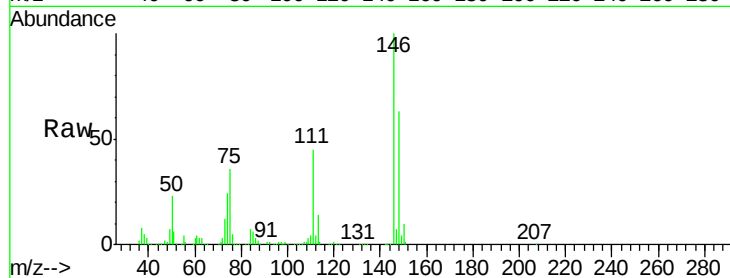
#91
 1,2-Dichlorobenzene
 Concen: 47.100 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	348014		
111	45.0	22.4	67.2	
148	63.5	32.0	96.0	

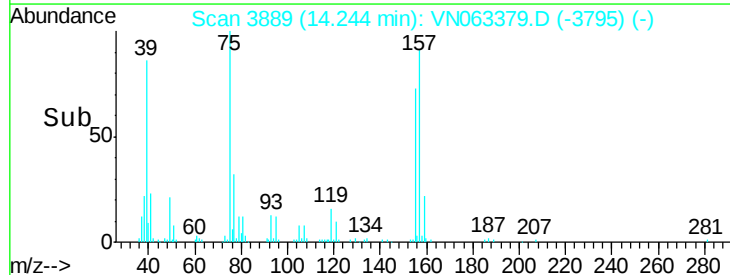
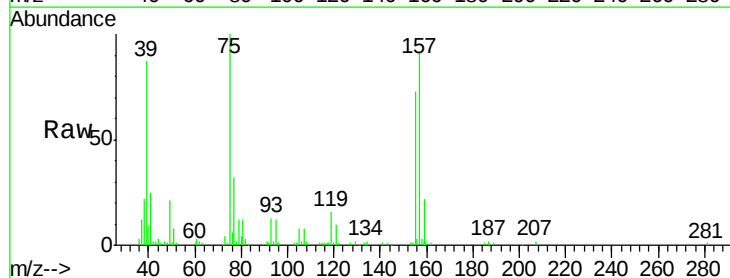
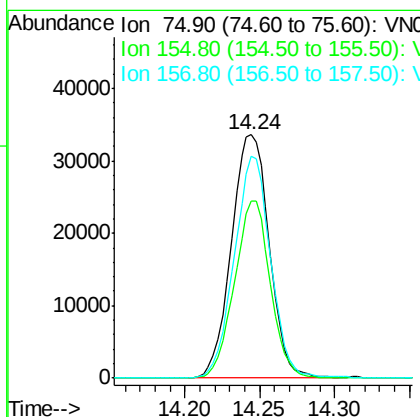
Manual Integrations
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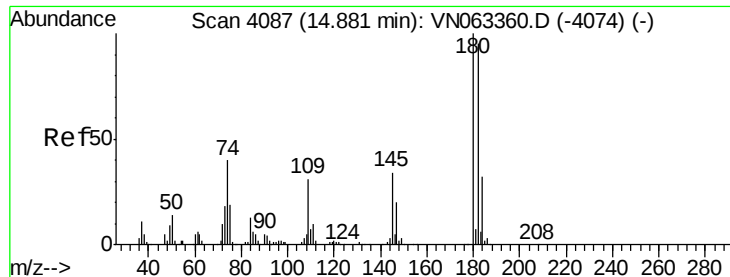
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.407 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	59102		
155	69.0	34.6	103.9	
157	87.4	43.7	131.1	





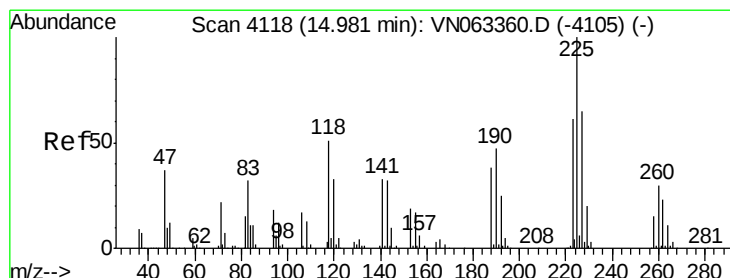
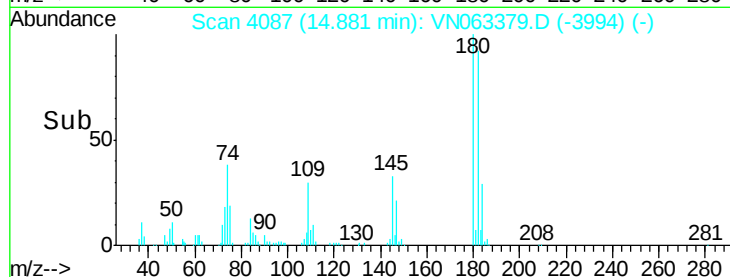
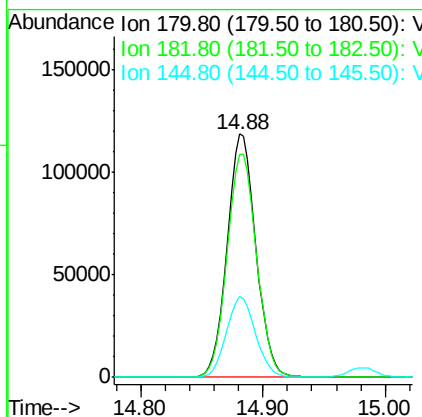
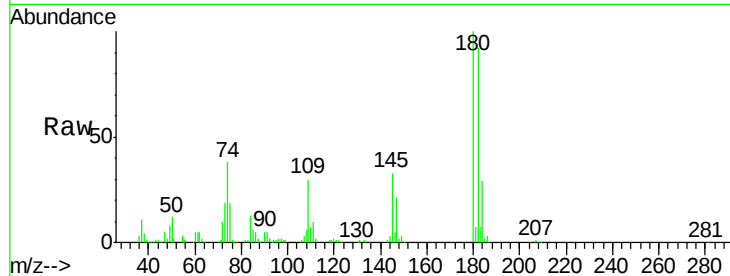
#93
 1,2,4-Trichlorobenzene
 Concen: 44.792 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	180	Resp:	195110
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.3	142.0
145	33.6	16.6	49.7

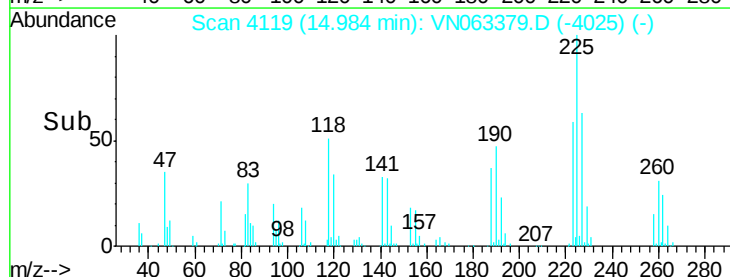
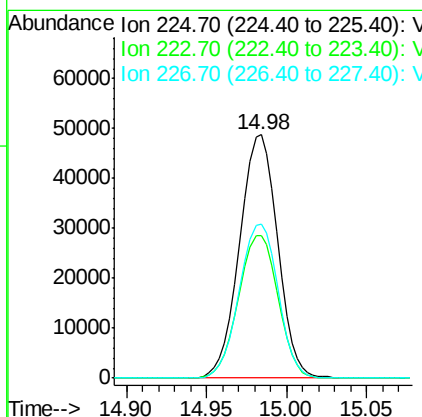
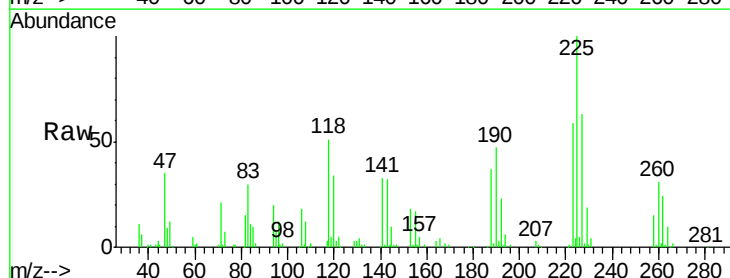
Manual Integrations
 APPROVED

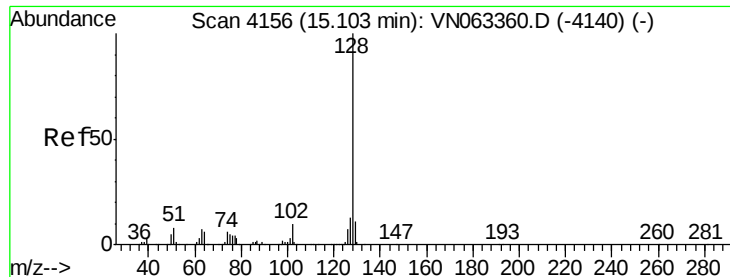
MMDadoda
 9/17/2020 1:09:58 PM



#94
 Hexachlorobutadiene
 Concen: 43.779 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063379.D
 Acq: 16 Sep 2020 21:05

Tgt Ion:	225	Resp:	78948
Ion Ratio	Lower	Upper	
225	100		
223	61.0	30.6	91.6
227	64.7	31.2	93.6





#95

Naphthalene

Concen: 44.898 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Instrument :

MSVOA_N

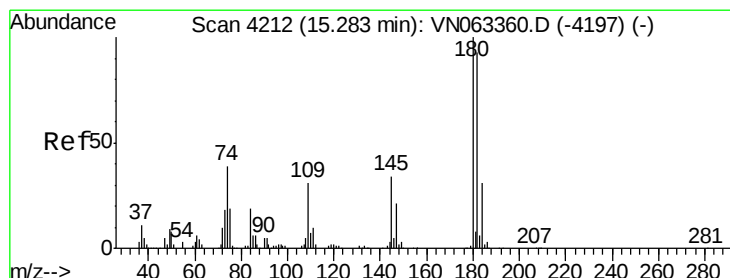
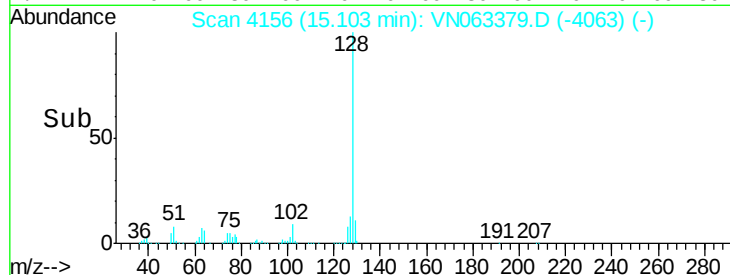
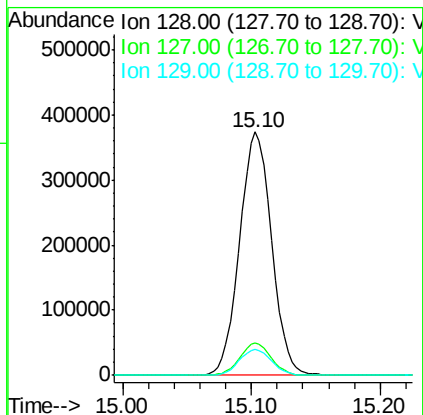
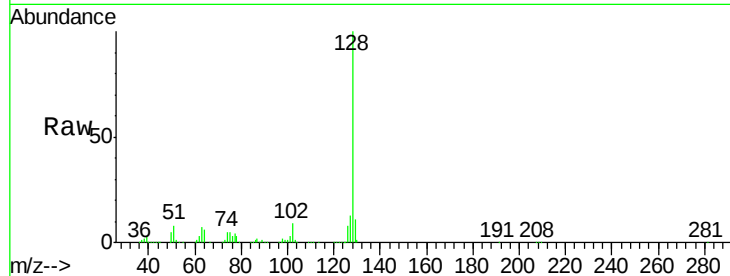
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	646130
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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9/17/2020 1:09:58 PM



#96

1,2,3-Trichlorobenzene

Concen: 43.594 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063379.D

Acq: 16 Sep 2020 21:05

Tgt Ion:	180	Resp:	183479
Ion Ratio	Lower	Upper	
180	100		
182	94.8	46.7	140.1
145	34.1	16.8	50.3

