

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092920\
 Data File : VN063735.D
 Acq On : 29 Sep 2020 18:39
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:20:47 PM

Quant Time: Sep 30 01:51:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	257264	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	434388	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	399464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201774	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	215628	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
35) Dibromofluoromethane	7.55	113	148969	49.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.08%	
50) Toluene-d8	10.06	98	563471	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
62) 4-Bromofluorobenzene	12.38	95	220787	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	115587	39.658	ug/l	99
3) Chloromethane	2.04	50	138845	36.011	ug/l	100
4) Vinyl Chloride	2.16	62	140845	41.230	ug/l	98
5) Bromomethane	2.52	94	86189	42.494	ug/l	98
6) Chloroethane	2.67	64	92207	43.973	ug/l	97
7) Trichlorofluoromethane	2.98	101	241401	47.364	ug/l	100
8) Diethyl Ether	3.38	74	90373	45.486	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	134097	46.784	ug/l	99
10) Methyl Iodide	3.91	142	151440	40.582	ug/l	99
11) Tert butyl alcohol	4.73	59	134988	222.499	ug/l	100
12) 1,1-Dichloroethene	3.70	96	122919	42.339	ug/l	96
13) Acrolein	3.57	56	35558	158.155	ug/l	98
14) Allyl chloride	4.28	41	239726	41.745	ug/l	96
15) Acrylonitrile	4.93	53	358339	232.202	ug/l	99
16) Acetone	3.77	43	333689	237.090	ug/l	98
17) Carbon Disulfide	4.01	76	308053	36.479	ug/l	100
18) Methyl Acetate	4.28	43	186991	52.335	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	490221	45.306	ug/l	99
20) Methylene Chloride	4.50	84	153435	43.028	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	137664	42.799	ug/l	95
22) Diisopropyl ether	5.90	45	522466	44.610	ug/l	97
23) Vinyl Acetate	5.84	43	2181581	226.809	ug/l	99
24) 1,1-Dichloroethane	5.80	63	282147	44.126	ug/l	99
25) 2-Butanone	6.78	43	512084	236.571	ug/l	98
26) 2,2-Dichloropropane	6.78	77	235327	41.801	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	164907	45.296	ug/l	99
28) Bromochloromethane	7.15	49	135037	45.739	ug/l	94
29) Tetrahydrofuran	7.17	42	336518	227.626	ug/l	98
30) Chloroform	7.33	83	302844	47.207	ug/l	100
31) Cyclohexane	7.62	56	224684	37.148	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	266362	46.682	ug/l	98
36) 1,1-Dichloropropene	7.75	75	211404	45.681	ug/l	99
37) Ethyl Acetate	6.88	43	219176	48.256	ug/l	99
38) Carbon Tetrachloride	7.74	117	229603	48.603	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	208788	41.569	ug/l	98
40) Benzene	8.00	78	613292	46.424	ug/l	99
41) Methacrylonitrile	7.14	41	104769m	51.287	ug/l	
42) 1,2-Dichloroethane	8.09	62	259863	48.914	ug/l	99
43) Isopropyl Acetate	8.13	43	377621	46.496	ug/l #	90
44) Trichloroethene	8.80	130	155047	48.389	ug/l	96
45) 1,2-Dichloropropane	9.08	63	172156	47.848	ug/l	97
46) Dibromomethane	9.18	93	115637	48.899	ug/l	96
47) Bromodichloromethane	9.37	83	242779	49.417	ug/l	99
48) Methyl methacrylate	9.17	41	193344	48.455	ug/l	98
49) 1,4-Dioxane	9.17	88	54262	947.623	ug/l	95
51) 4-Methyl-2-Pentanone	9.95	43	1152520	253.484	ug/l	100
52) Toluene	10.13	92	393429	49.533	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	265421	48.394	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	272178	47.047	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	156766	49.690	ug/l	96
56) Ethyl methacrylate	10.40	69	243445	49.429	ug/l	98
57) 1,3-Dichloropropane	10.68	76	276410	48.584	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	618875	239.538	ug/l	96
59) 2-Hexanone	10.72	43	848990	257.741	ug/l	100
60) Dibromochloromethane	10.87	129	186245	52.255	ug/l	98
61) 1,2-Dibromoethane	10.98	107	167662	51.153	ug/l	99
64) Tetrachloroethene	10.60	164	144164	53.000	ug/l	98
65) Chlorobenzene	11.41	112	414945	48.935	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.48	131	163468	52.591	ug/l	99
67) Ethyl Benzene	11.49	91	777881	48.713	ug/l	100
68) m/p-Xylenes	11.59	106	566455	98.386	ug/l	99
69) o-Xylene	11.92	106	278516	50.782	ug/l	99
70) Styrene	11.94	104	476815	51.842	ug/l	99
71) Bromoform	12.10	173	125992	54.411	ug/l #	98
73) Isopropylbenzene	12.23	105	749531	46.356	ug/l	100
74) N-amyl acetate	12.05	43	347680	45.425	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	234515	46.843	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	222763m	44.604	ug/l	
77) Bromobenzene	12.50	156	181176	49.813	ug/l	92
78) n-propylbenzene	12.57	91	865891	45.979	ug/l	98
79) 2-Chlorotoluene	12.65	91	528767	46.839	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	640113	47.476	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.28	75	79443	43.611	ug/l	97
82) 4-Chlorotoluene	12.75	91	549976	46.109	ug/l	100
83) tert-Butylbenzene	12.97	119	519755	46.707	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	641785	47.125	ug/l	99
85) sec-Butylbenzene	13.15	105	689300	46.276	ug/l	99
86) p-Isopropyltoluene	13.26	119	619713	47.169	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	331132	49.120	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	329381	48.058	ug/l	99
89) n-Butylbenzene	13.59	91	544124	44.932	ug/l	99
90) Hexachloroethane	13.85	117	115116	46.015	ug/l	96
91) 1,2-Dichlorobenzene	13.63	146	327565	49.493	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	55913	46.900	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	174567	44.740	ug/l	98
94) Hexachlorobutadiene	14.98	225	86470	53.532	ug/l	97
95) Naphthalene	15.10	128	546967	42.431	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	167875	44.529	ug/l	97

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

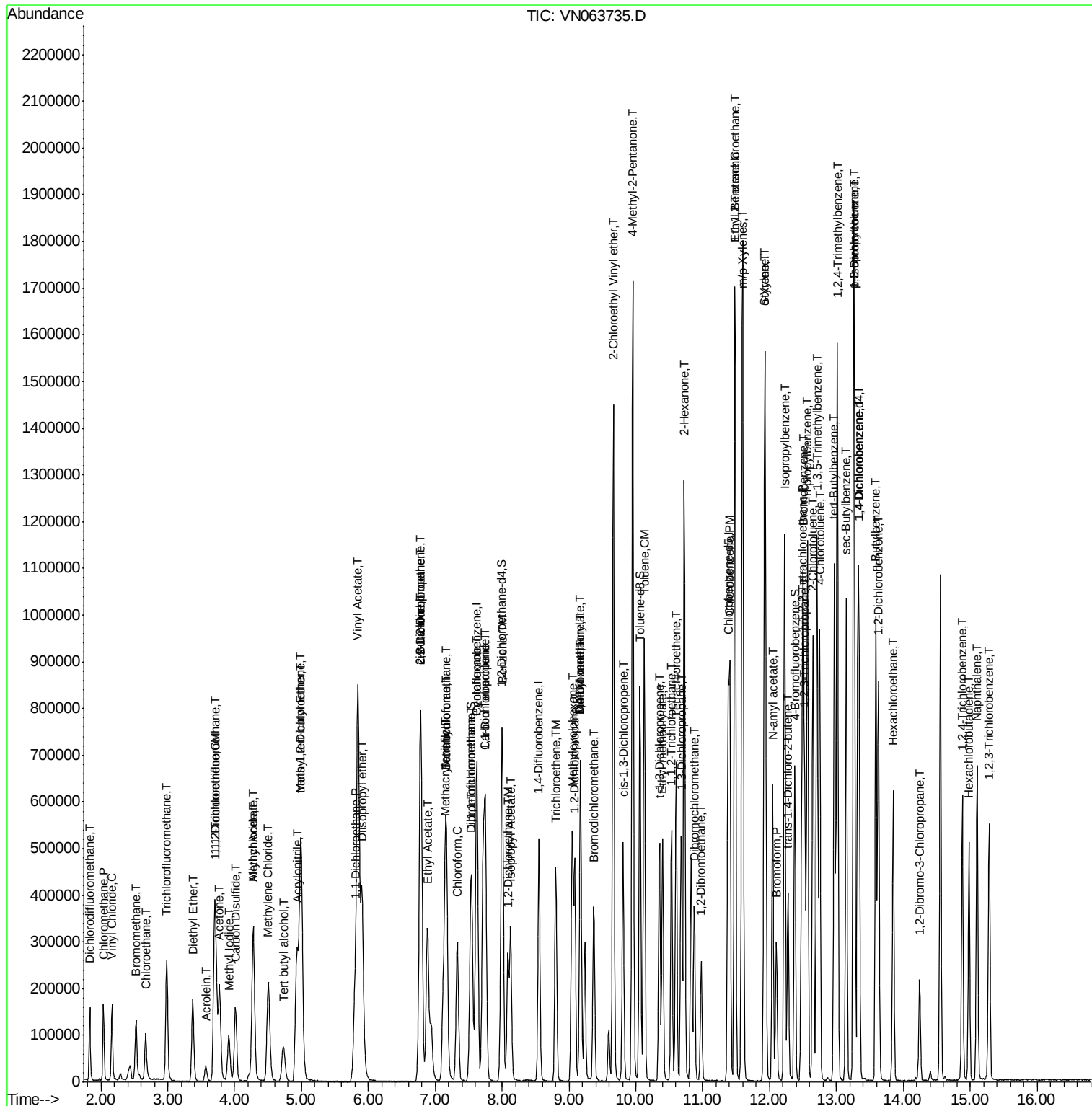
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 Acd On : 29 Sep 2020 18:39
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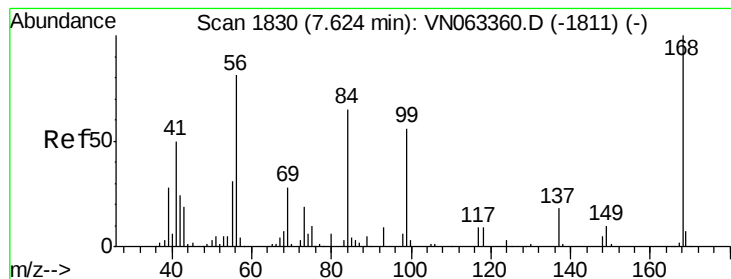
Instrument :
 MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 257264

Ion Ratio Lower Upper

168 100

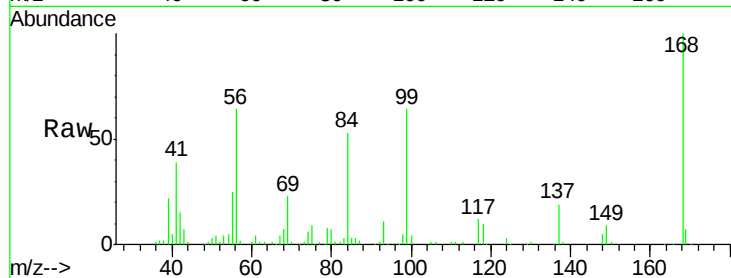
99 63.4 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

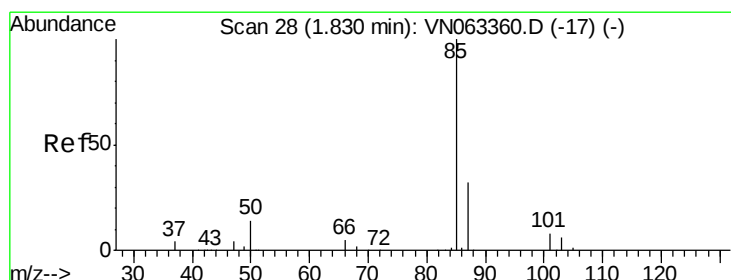
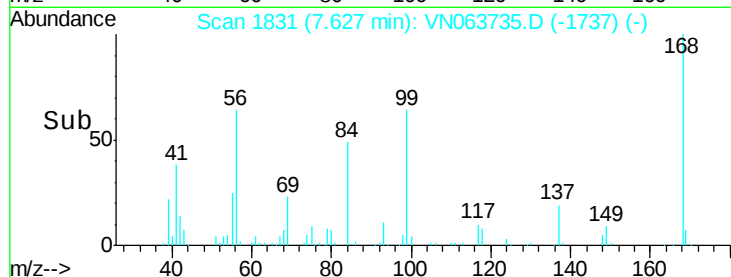
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 39.658 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063735.D

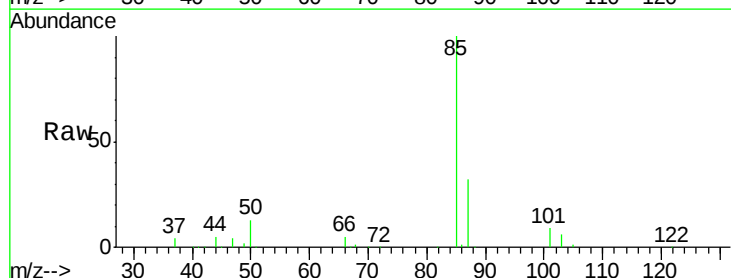
Acq: 29 Sep 2020 18:39

Tgt Ion: 85 Resp: 115587

Ion Ratio Lower Upper

85 100

87 32.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

100000

80000

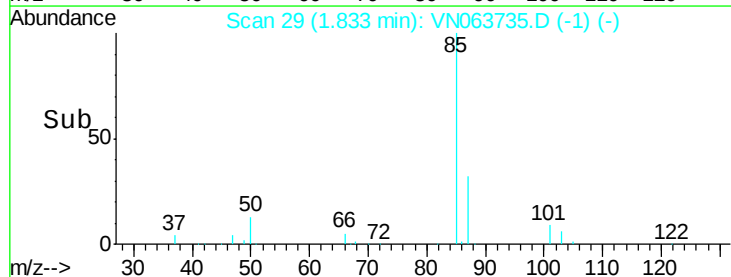
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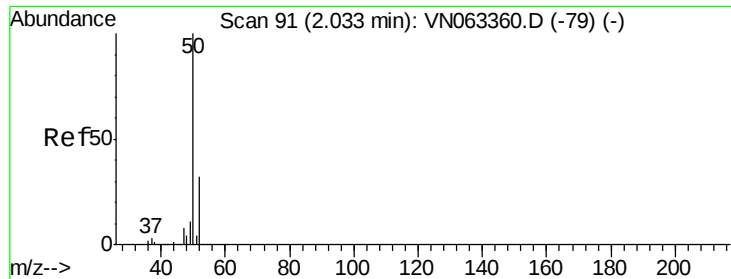
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20000

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Time-->





#3

Chloromethane

Concen: 36.011 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 138845

Ion Ratio Lower Upper

50 100

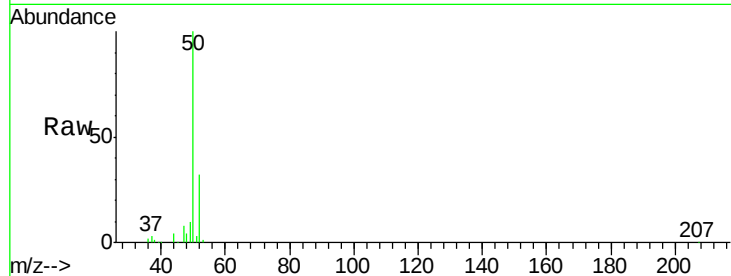
52 32.4 25.9 38.9

Manual Integrations

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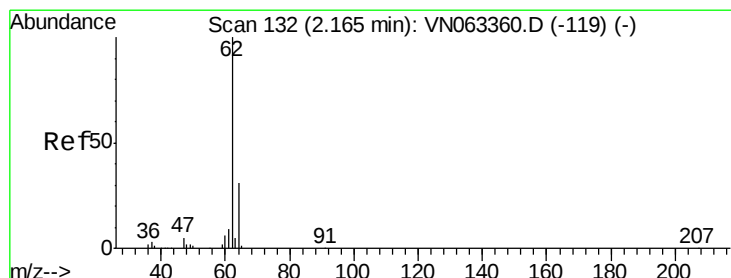
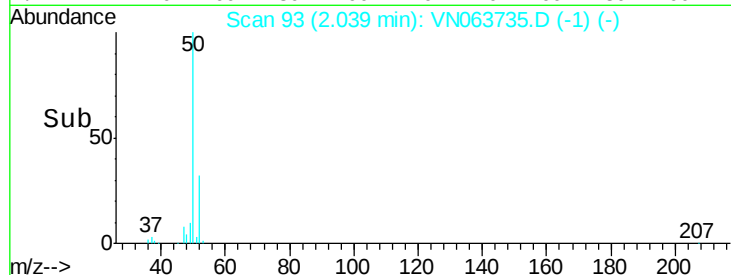
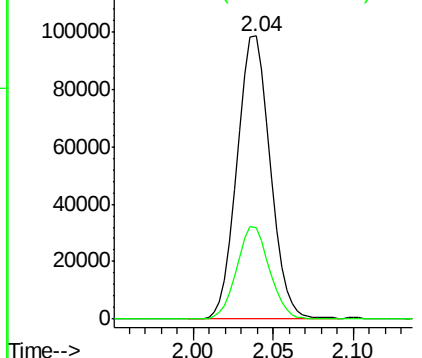
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 41.230 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063735.D

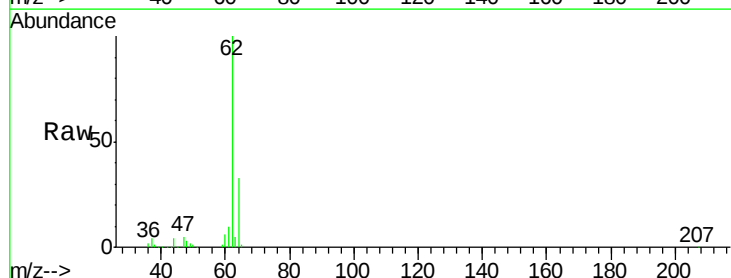
Acq: 29 Sep 2020 18:39

Tgt Ion: 62 Resp: 140845

Ion Ratio Lower Upper

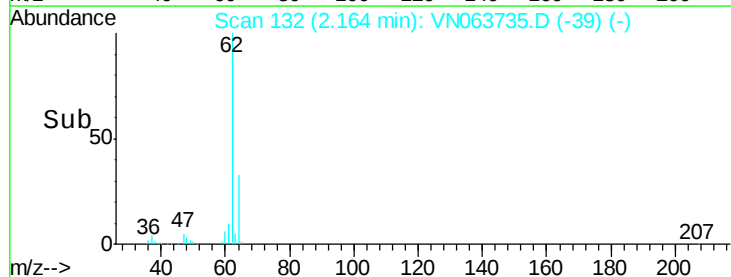
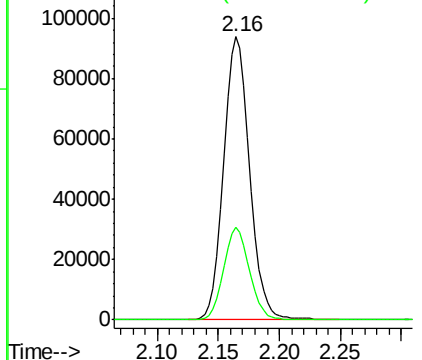
62 100

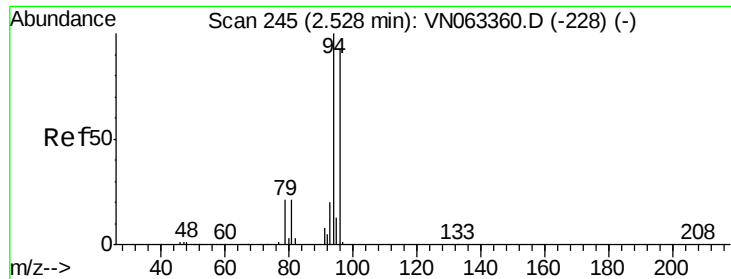
64 32.7 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 42.494 ug/l

RT: 2.52 min Scan# 244

Delta R.T. -0.00 min

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Tot Ion: 94 Resp: 86189

Ion Ratio Lower Upper

94 100

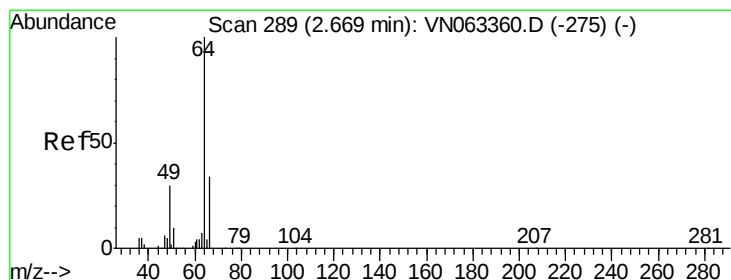
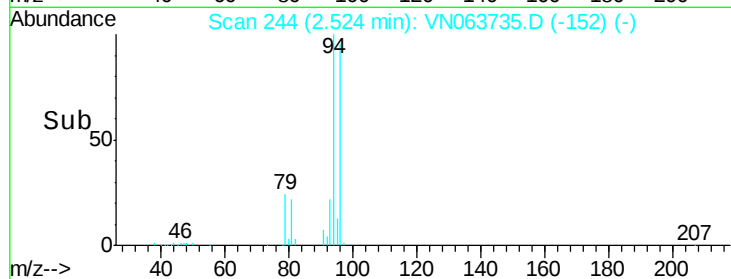
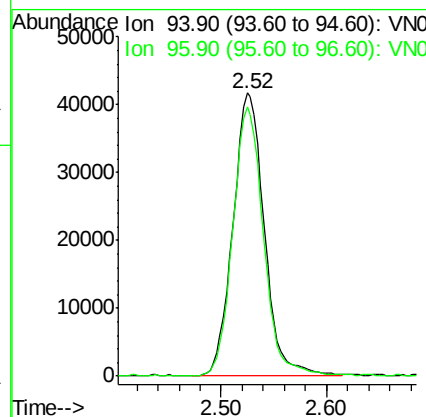
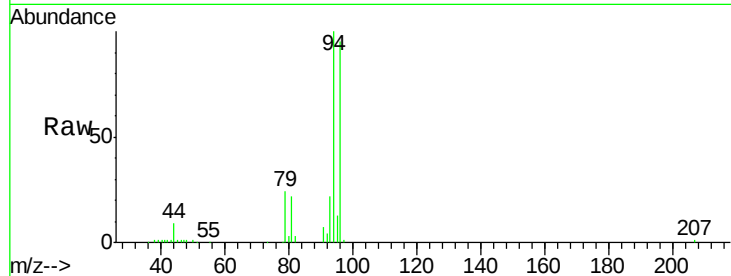
96 95.1 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 43.973 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

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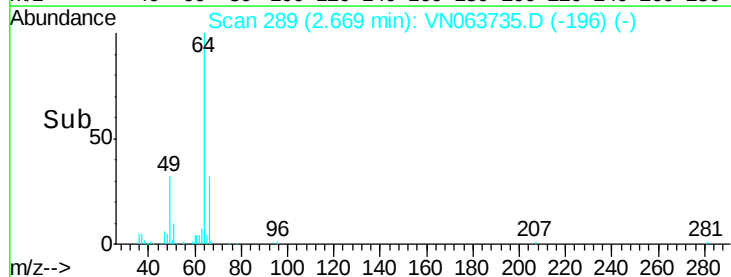
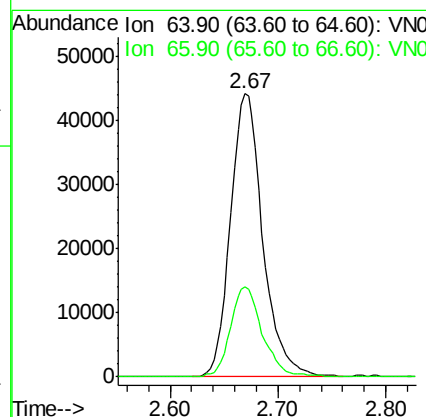
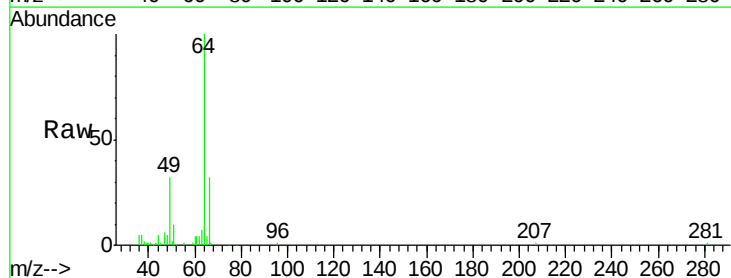
Acq: 29 Sep 2020 18:39

Tgt Ion: 64 Resp: 92207

Ion Ratio Lower Upper

64 100

66 31.6 26.9 40.3





#7

Trichlorofluoromethane

Concen: 47.364 ug/l

RT: 2.98 min Scan# 387

Delta R.T. -0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion:101 Resp: 241401

Ion Ratio Lower Upper

101 100

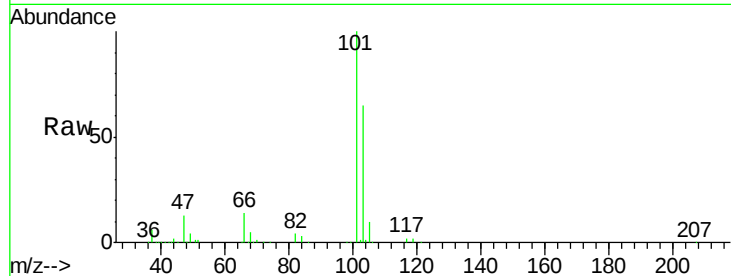
103 65.3 52.3 78.5

Manual Integrations

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9/30/2020 1:20:47 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

2.98

120000

100000

80000

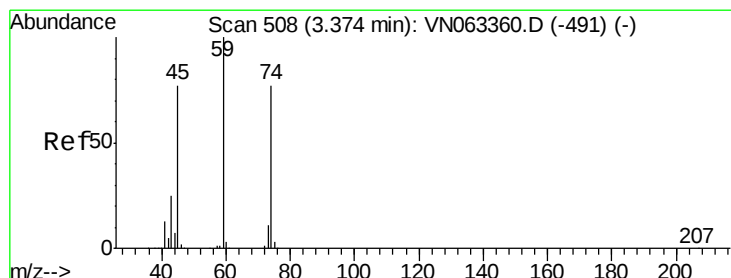
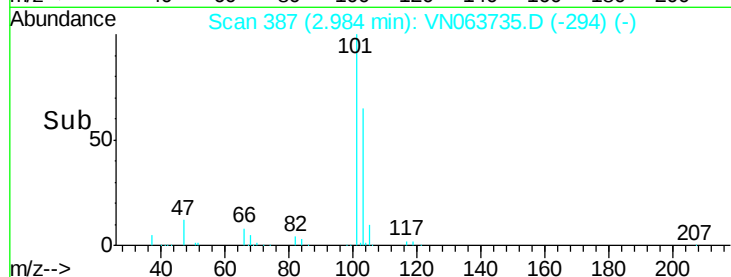
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20000

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Time-->



#8

Diethyl Ether

Concen: 45.486 ug/l

RT: 3.38 min Scan# 509

Delta R.T. 0.00 min

Lab File: VN063735.D

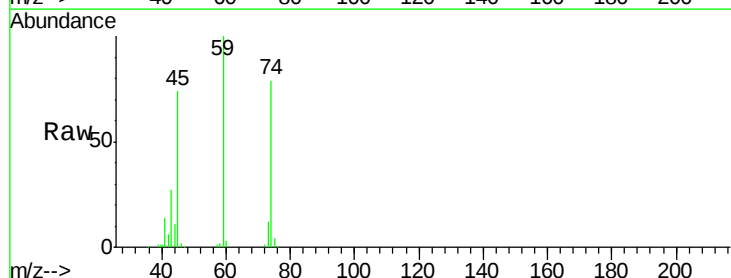
Acq: 29 Sep 2020 18:39

Tgt Ion: 74 Resp: 90373

Ion Ratio Lower Upper

74 100

45 98.8 52.1 156.4



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.38

40000

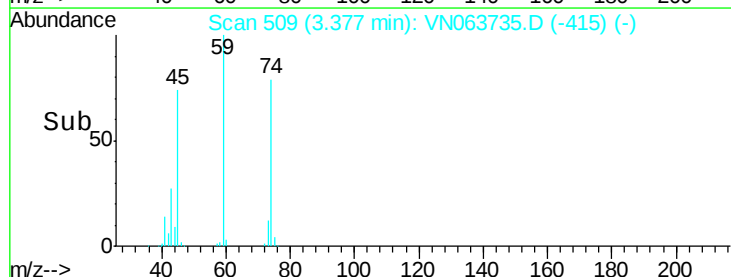
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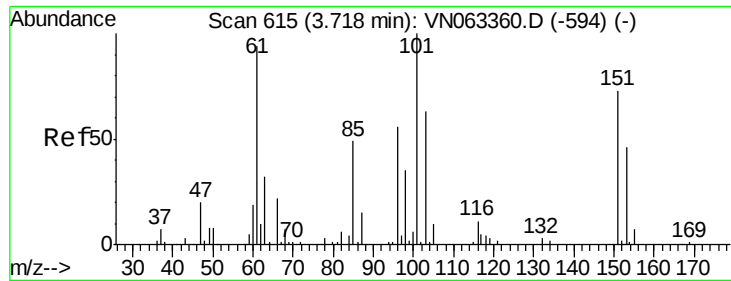
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10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.784 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

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MSVOA_N

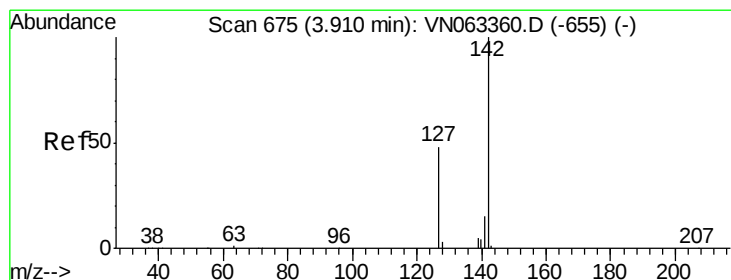
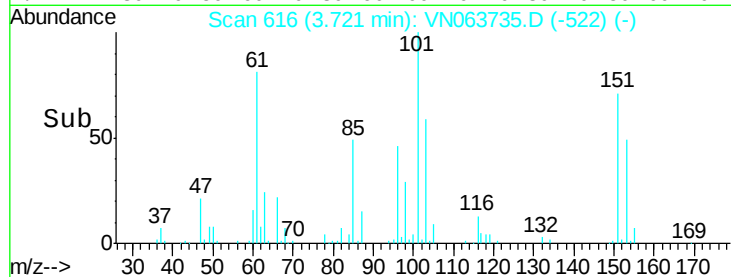
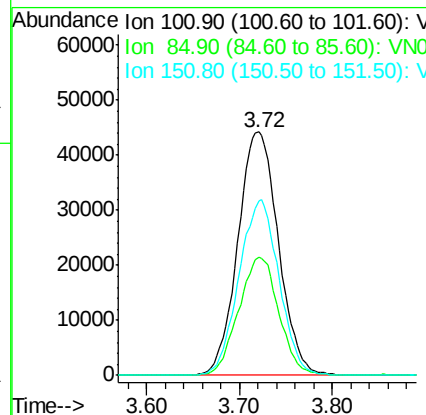
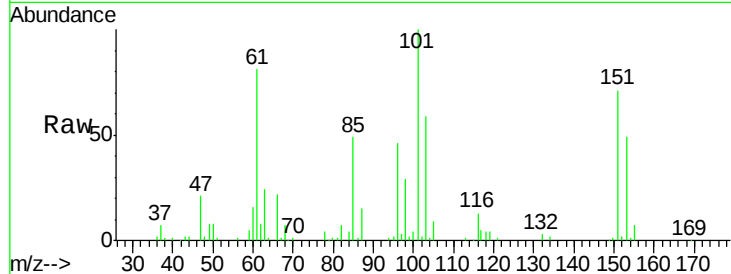
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	134097
Ion Ratio	Lower	Upper	
101	100		
85	48.1	37.7	56.5
151	71.2	57.7	86.5

Manual Integrations
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#10

Methyl Iodide

Concen: 40.582 ug/l

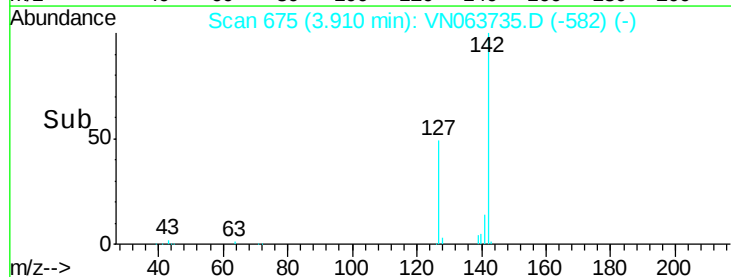
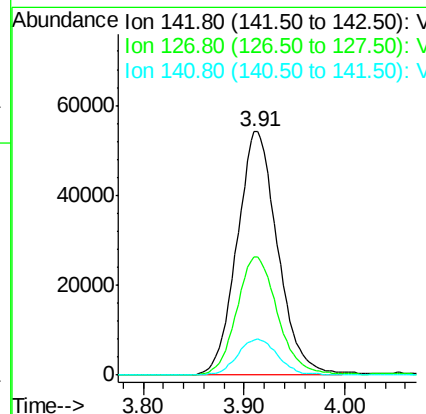
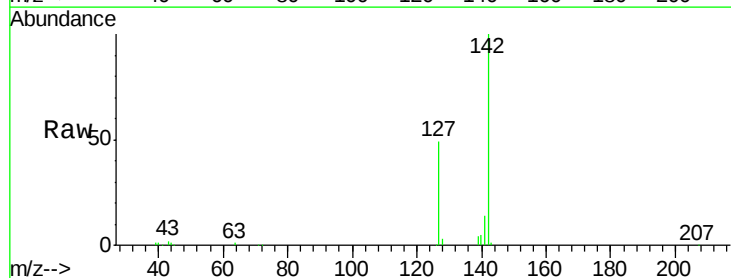
RT: 3.91 min Scan# 675

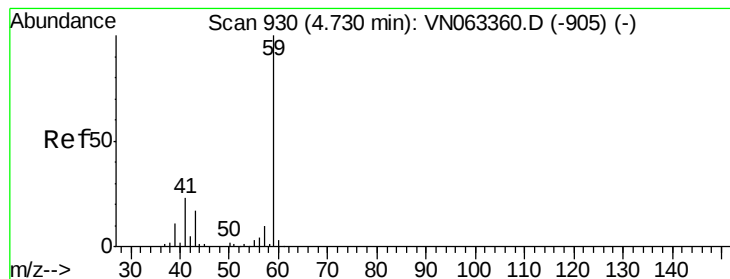
Delta R.T. -0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Tgt Ion:	142	Resp:	151440
Ion Ratio	Lower	Upper	
142	100		
127	49.3	39.0	58.6
141	14.8	11.6	17.4





#11

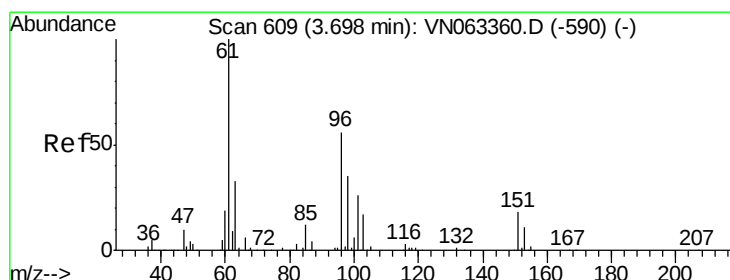
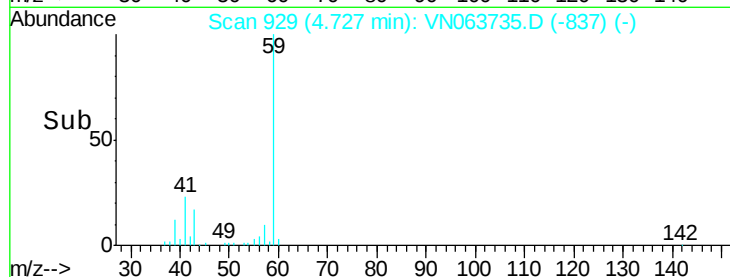
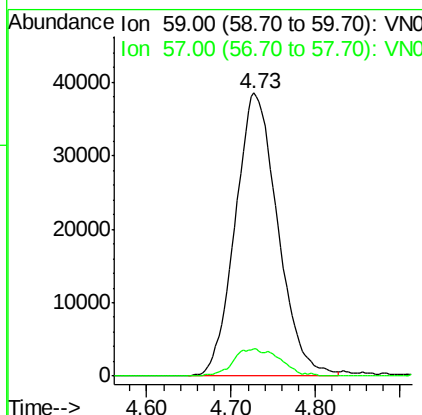
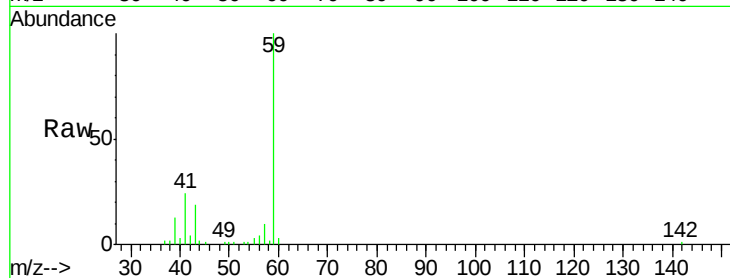
Tert butyl alcohol
 Concen: 222.499 ug/l
 RT: 4.73 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	134988
Ion Ratio	100	Lower	Upper
57	10.7	8.4	12.6

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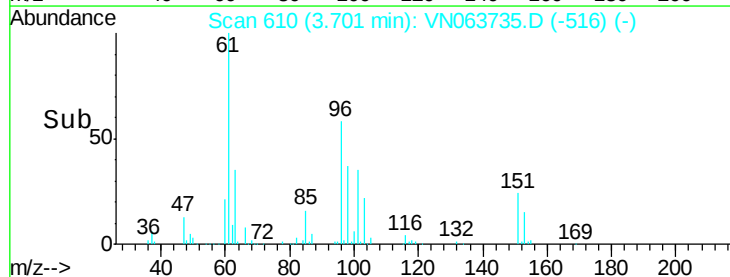
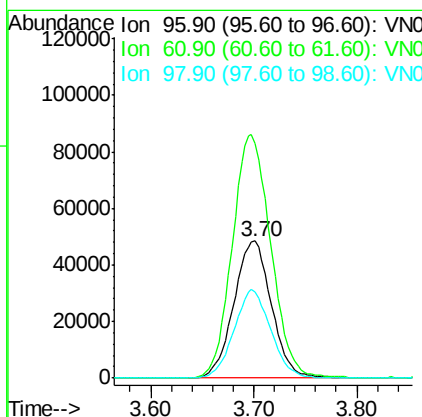
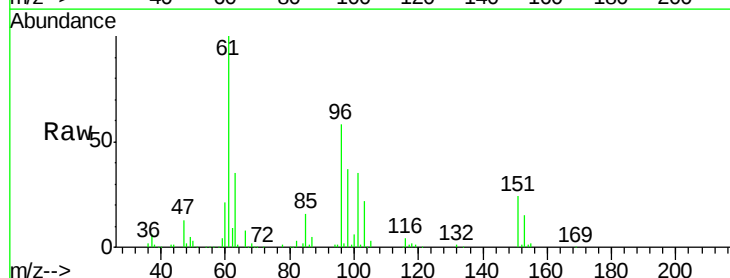
MMDadoda
 9/30/2020 1:20:47 PM

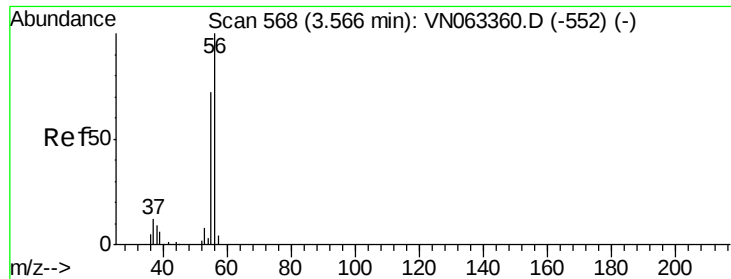


#12

1,1-Dichloroethene
 Concen: 42.339 ug/l
 RT: 3.70 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Tgt Ion	96	Resp	122919
Ion Ratio	100	Lower	Upper
61	171.4	143.4	215.2
98	62.9	50.6	76.0





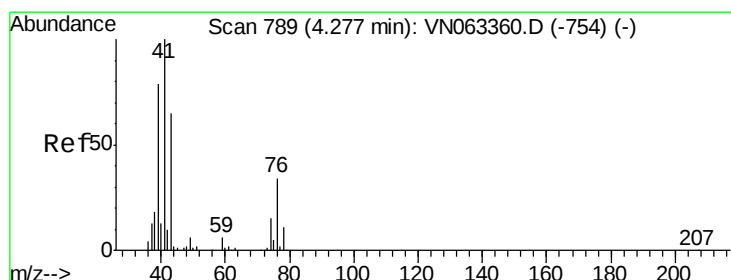
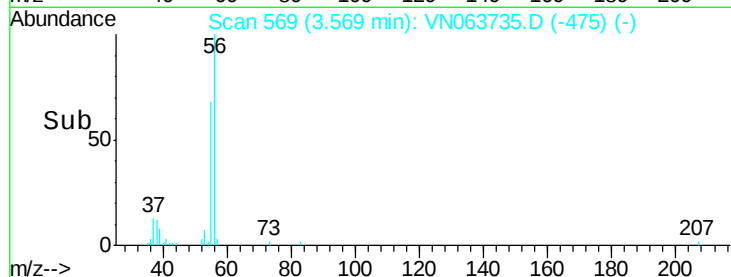
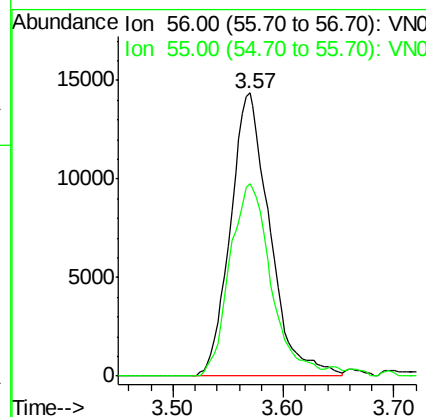
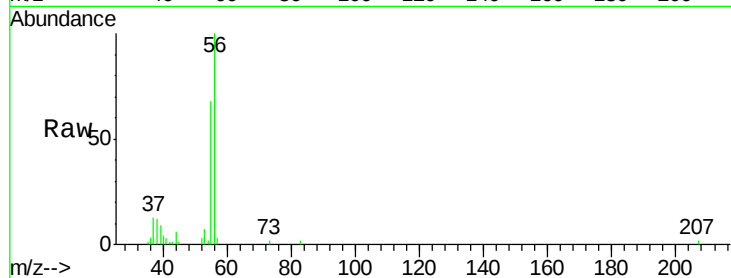
#13
Acrolein
Concen: 158.155 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	70.9	58.2	87.2

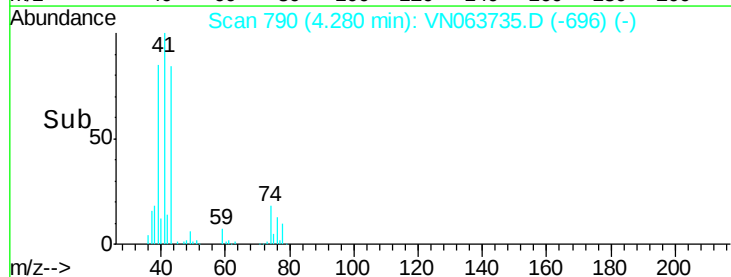
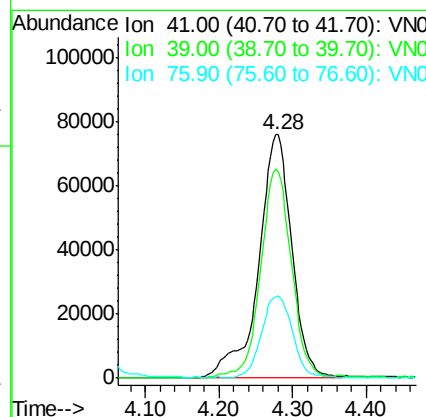
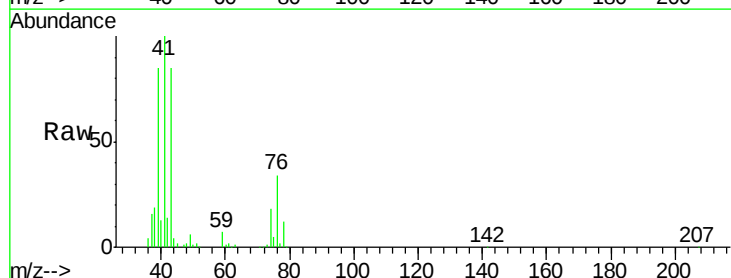
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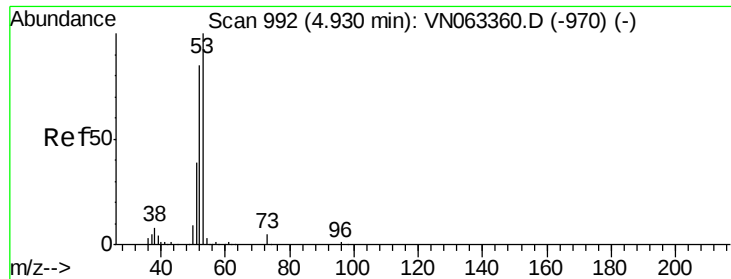
MMDadoda
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#14
Allyl chloride
Concen: 41.745 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	79.4	59.3	88.9
76	76	31.6	25.3	37.9





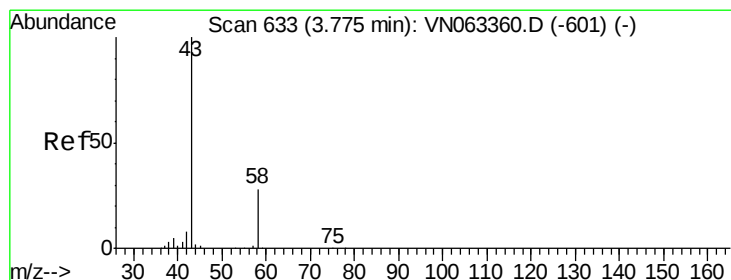
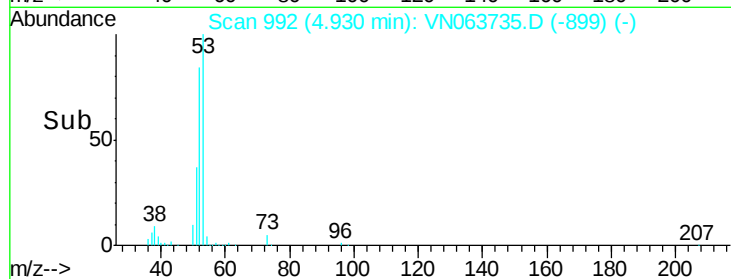
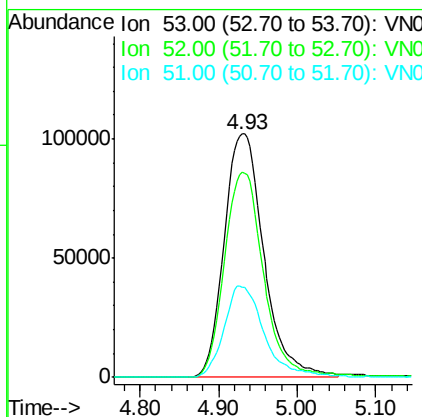
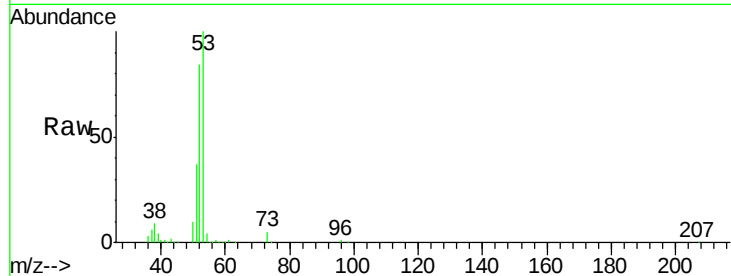
#15
 Acrylonitrile
 Concen: 232.202 ug/l
 RT: 4.93 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	53	Resp:	358339
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.4	99.6
51	37.8	30.2	45.4

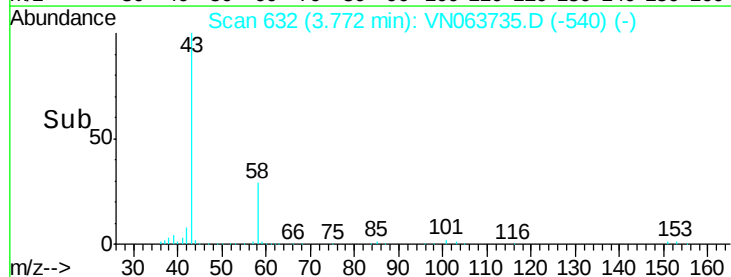
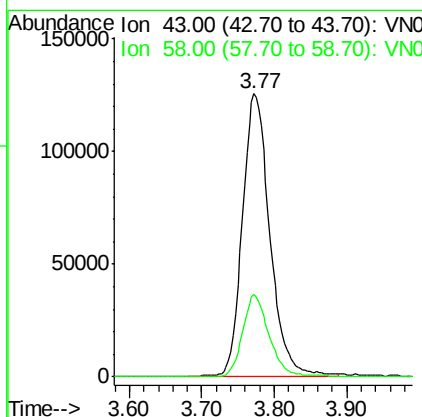
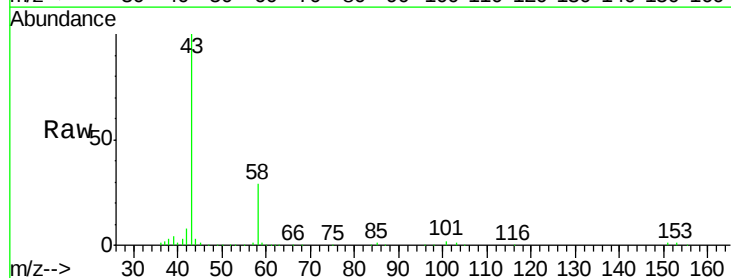
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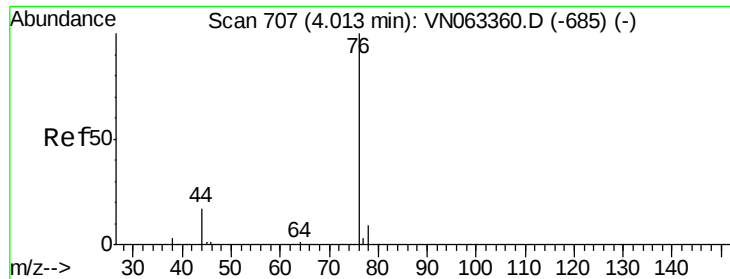
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#16
 Acetone
 Concen: 237.090 ug/l
 RT: 3.77 min Scan# 632
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Tgt Ion:	43	Resp:	333689
Ion	Ratio	Lower	Upper
43	100		
58	29.0	22.3	33.5





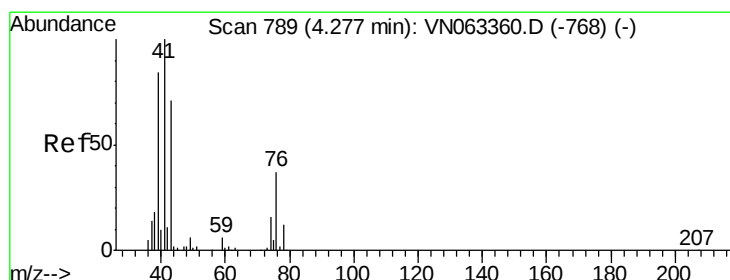
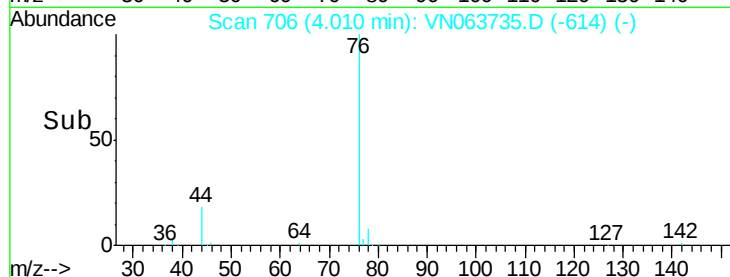
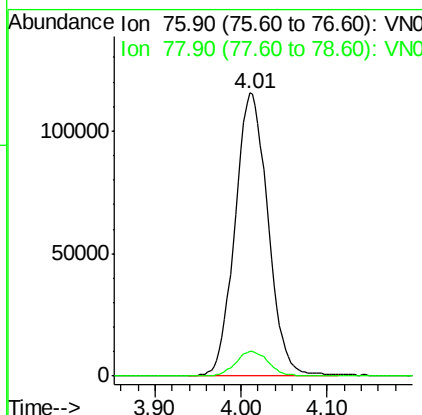
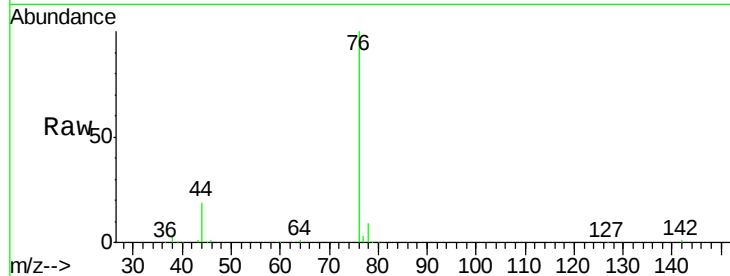
#17
Carbon Disulfide
Concen: 36.479 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

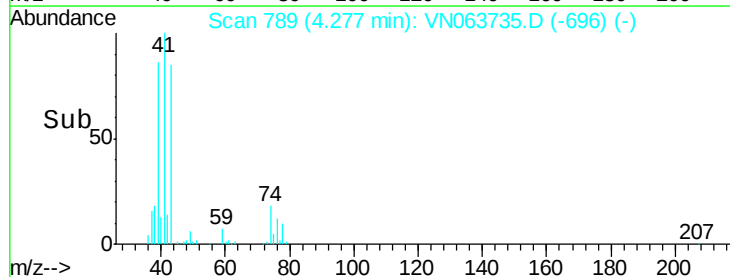
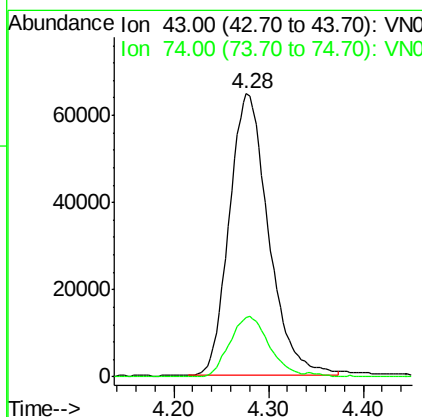
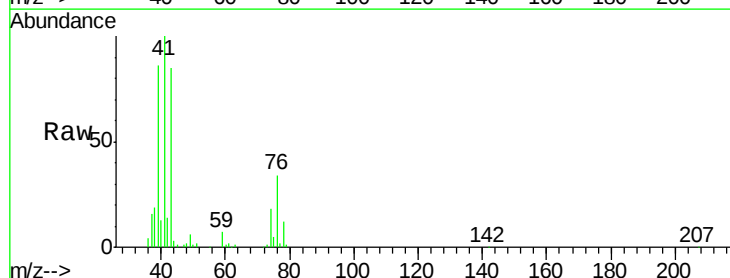
Manual Integrations
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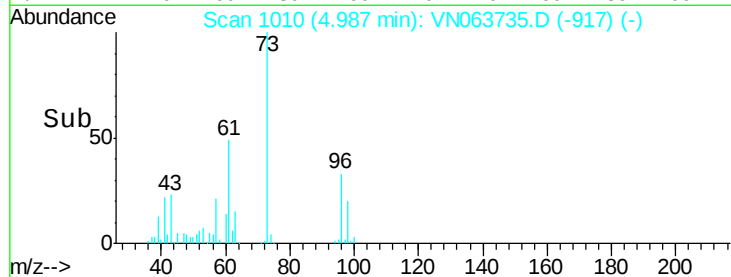
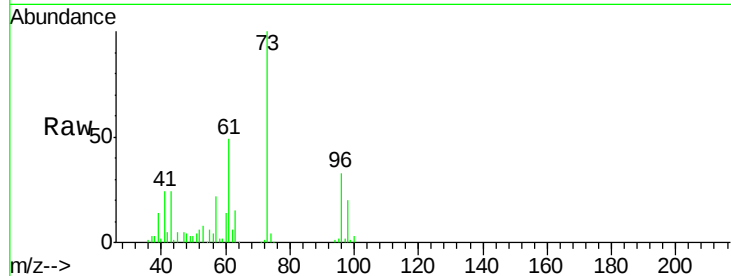
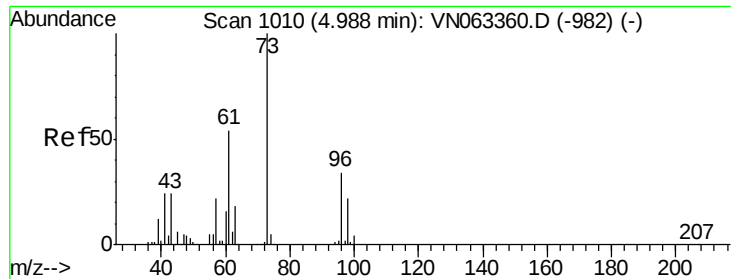
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#18
Methyl Acetate
Concen: 52.335 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.4	26.2





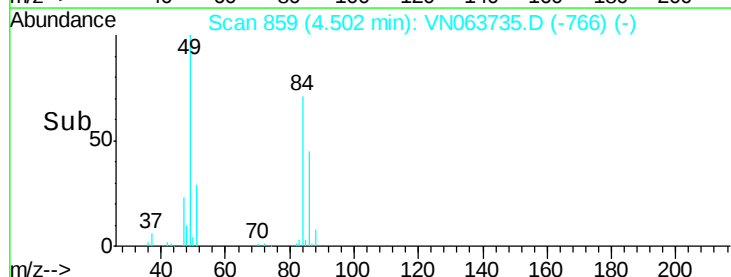
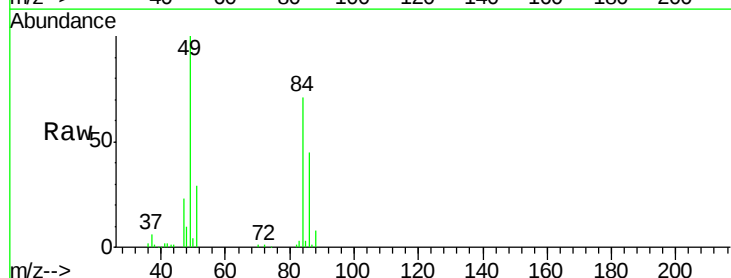
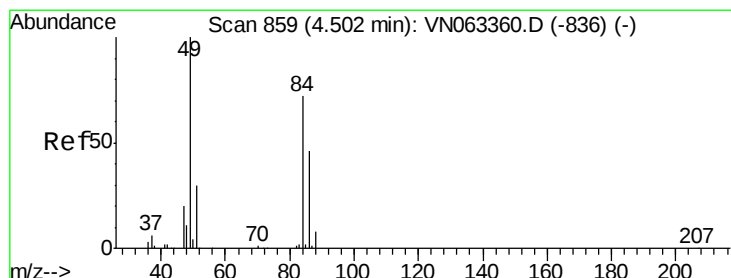
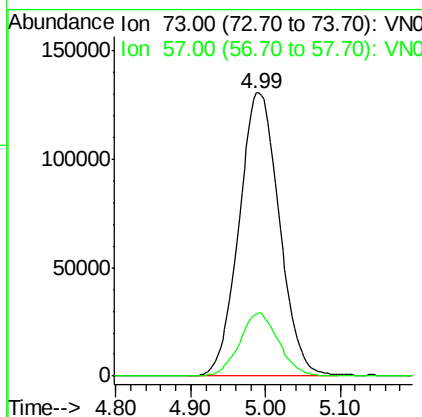
#19
Methvl tert-butvl Ether
Concen: 45.306 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tot Ion	73	Resp	490221
Ion Ratio	100	Lower	Upper
73	100		
57	22.0	17.9	26.9

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

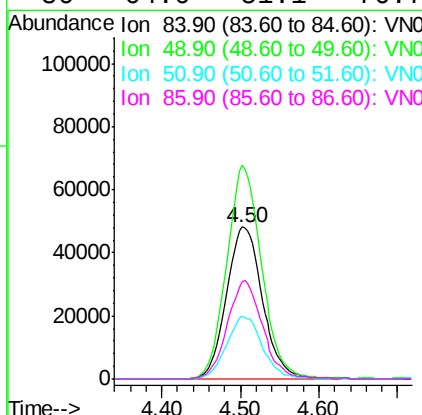
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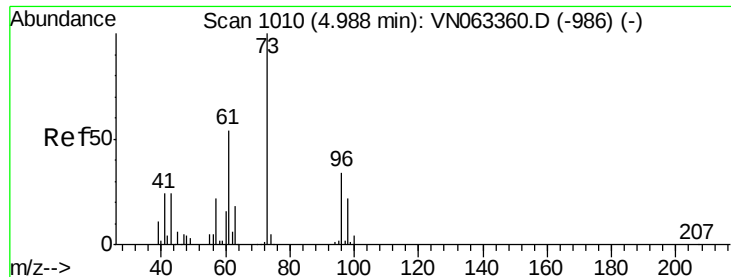
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#20
Methylene Chloride
Concen: 43.028 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	84	Resp	153435
Ion Ratio	100	Lower	Upper
84	100		
49	140.7	110.7	166.1
51	41.0	32.9	49.3
86	64.0	51.1	76.7





#21

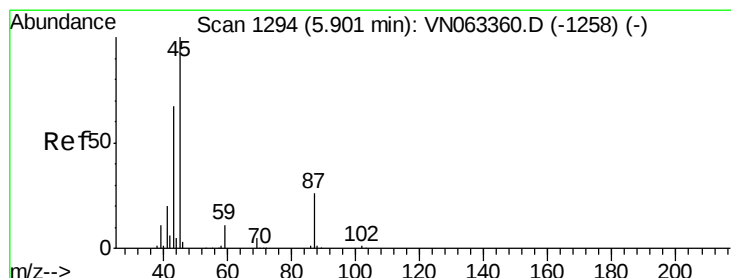
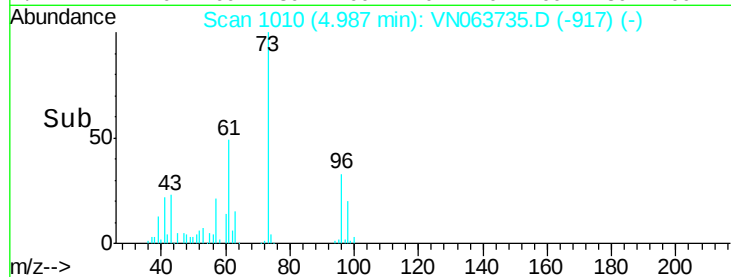
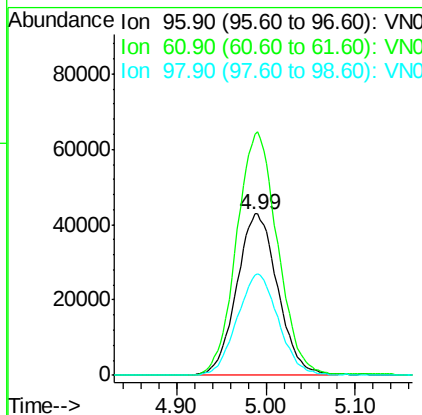
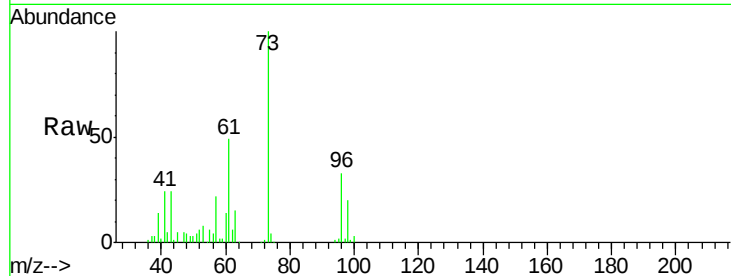
trans-1,2-Dichloroethene
Concen: 42.799 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	149.2	126.2	189.4	
98	62.4	51.0	76.4	

Manual Integrations
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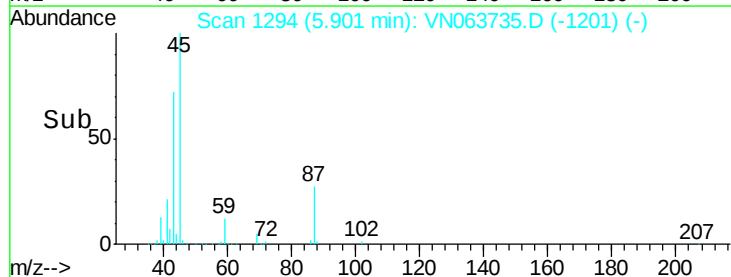
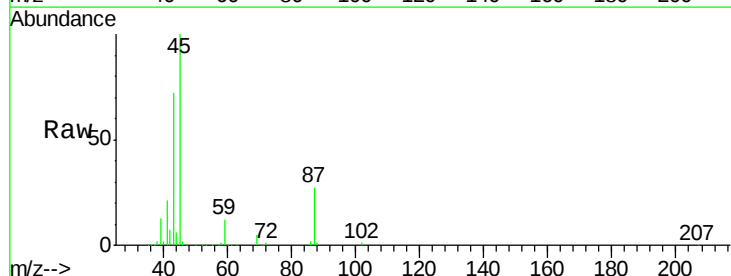
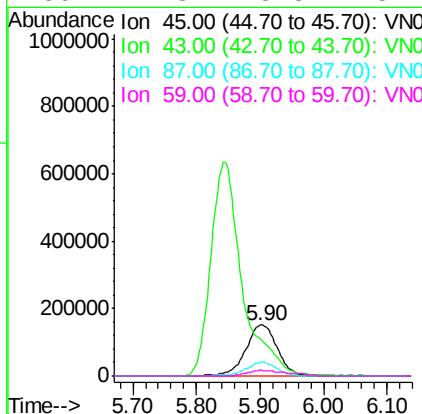
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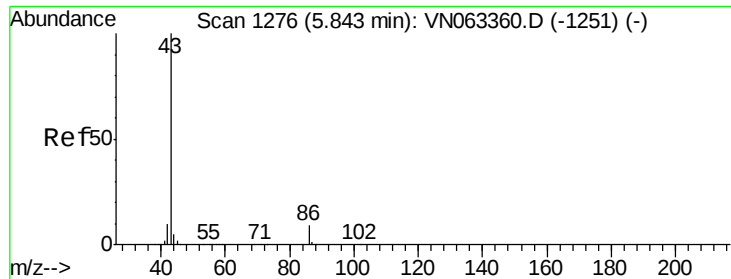


#22

Diisopropyl ether
Concen: 44.610 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	70.4	53.5	80.3	
87	26.5	21.2	31.8	
59	11.3	8.8	13.2	





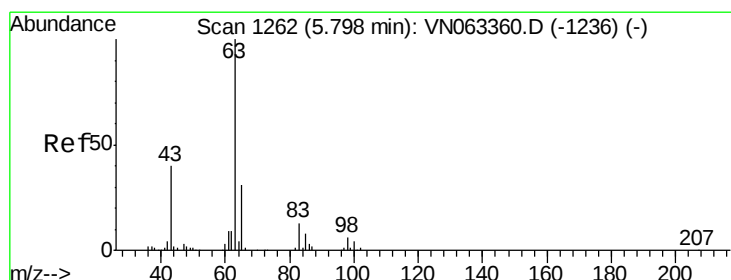
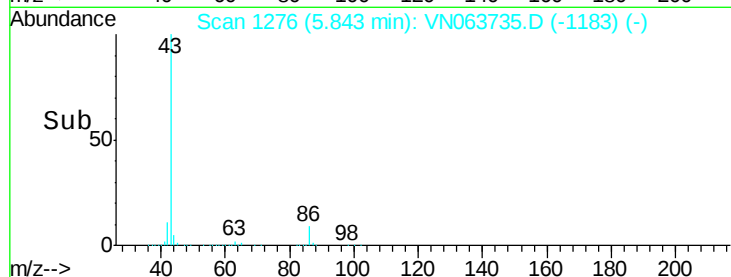
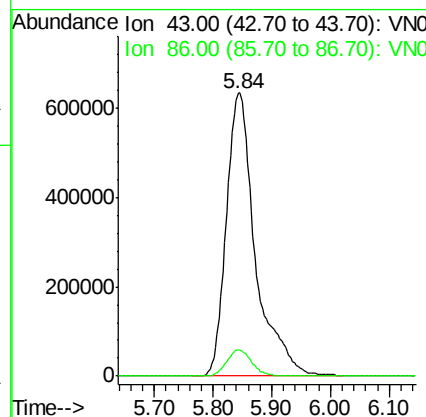
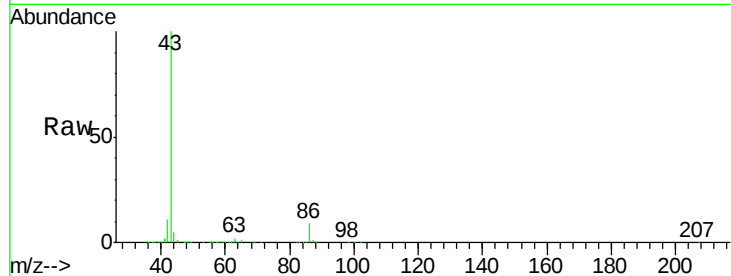
#23
 Vinyl Acetate
 Concen: 226.809 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2181581
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.1 10.7

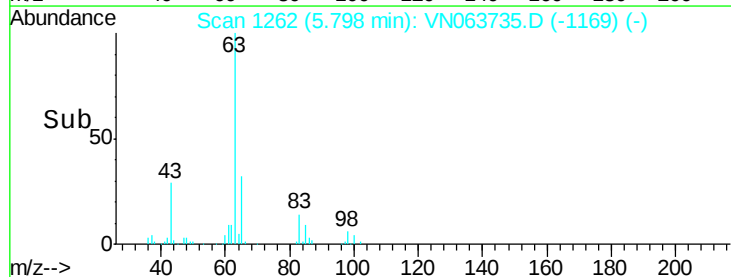
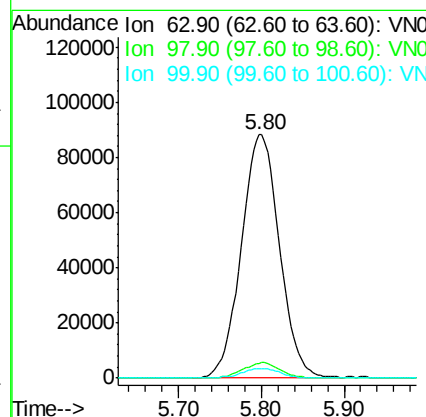
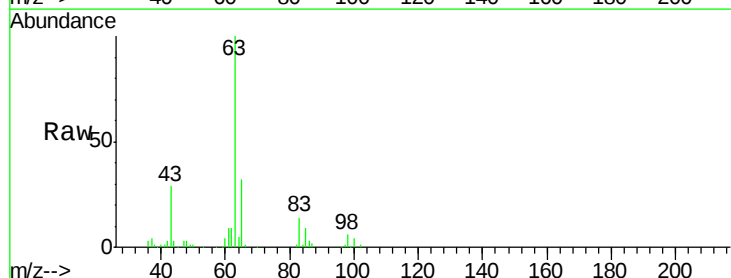
Manual Integrations
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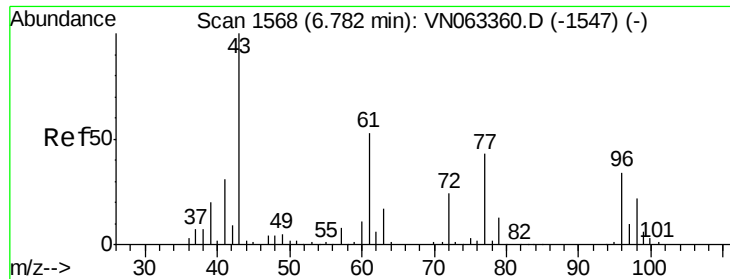
MMDadoda
 9/30/2020 1:20:47 PM



#24
 1,1-Dichloroethane
 Concen: 44.126 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Tgt Ion: 63 Resp: 282147
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.8
 100 3.9 2.1 6.3





#25

2-Butanone

Concen: 236.571 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 512084

Ion Ratio Lower Upper

43 100

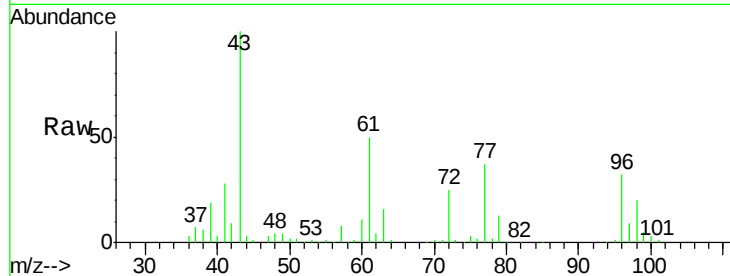
72 25.0 19.2 28.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1547) (-)

Ion 72.00 (71.70 to 72.70): VN063360.D (-1547) (-)

6.78

150000

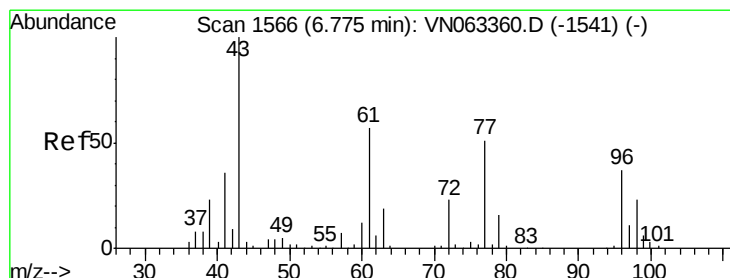
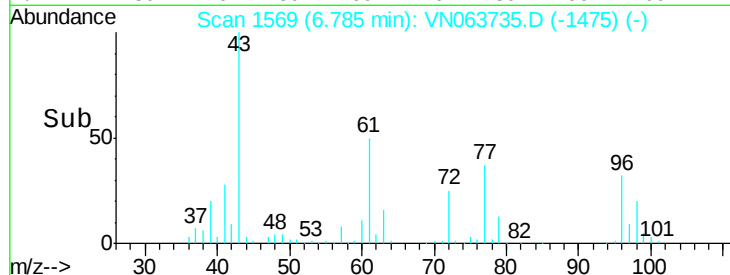
100000

50000

0

6.70 6.80

Time-->



#26

2,2-Dichloropropane

Concen: 41.801 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN063735.D

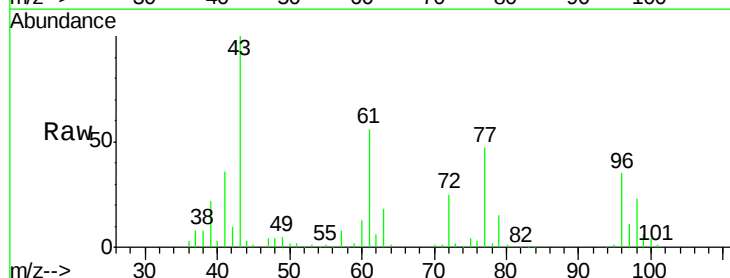
Acq: 29 Sep 2020 18:39

Tgt Ion: 77 Resp: 235327

Ion Ratio Lower Upper

77 100

97 22.3 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN063360.D (-1541) (-)

Ion 96.90 (96.60 to 97.60): VN063360.D (-1541) (-)

6.78

80000

60000

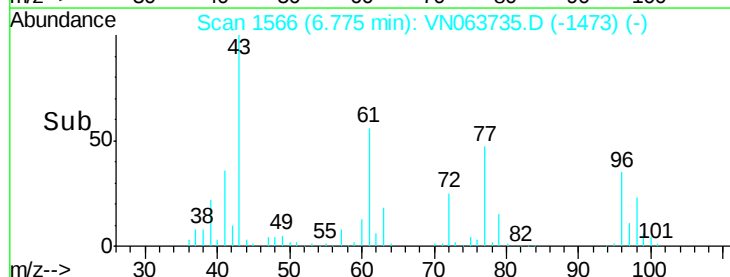
40000

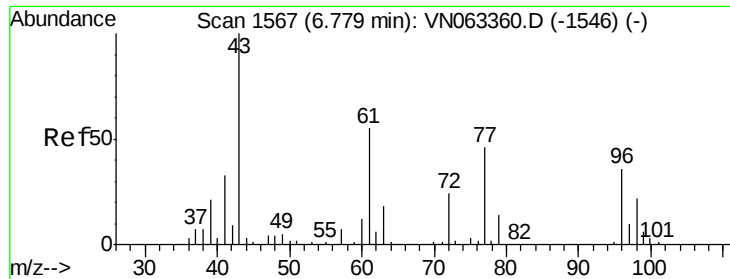
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 45.296 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

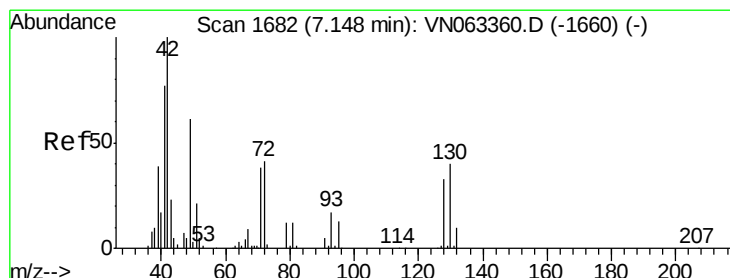
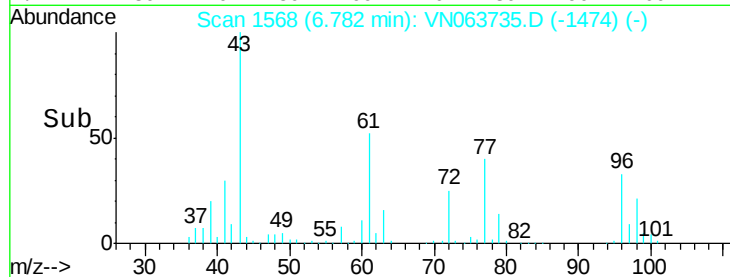
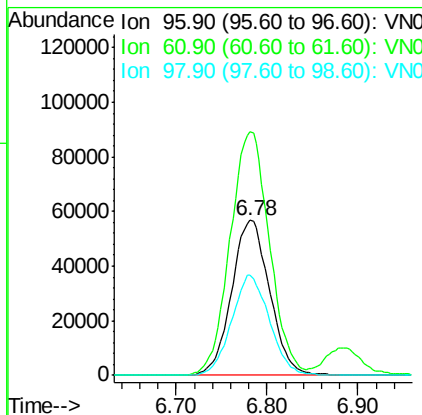
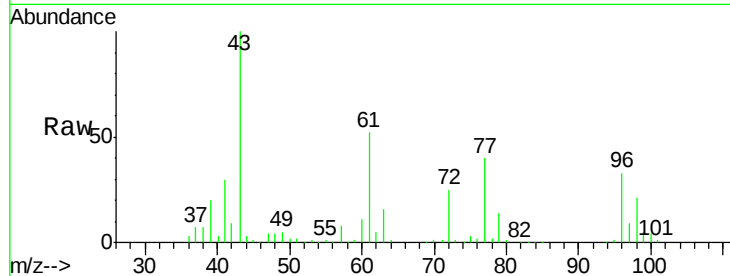
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	164907
Ion Ratio	Lower	Upper	
96	100		
61	161.8	0.0	319.6
98	64.3	0.0	127.8

Manual Integrations
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9/30/2020 1:20:47 PM



#28

Bromochloromethane

Concen: 45.739 ug/l

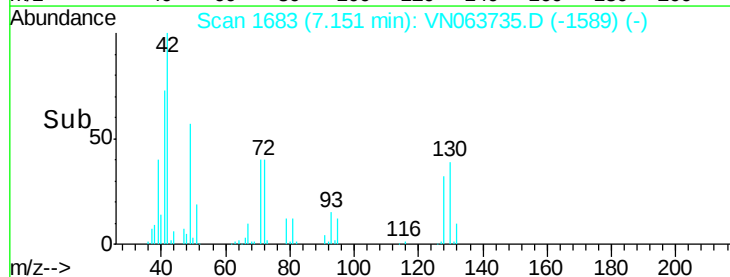
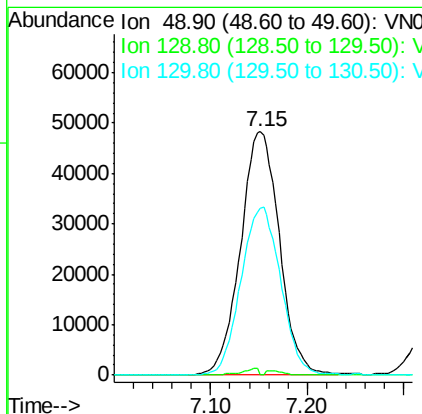
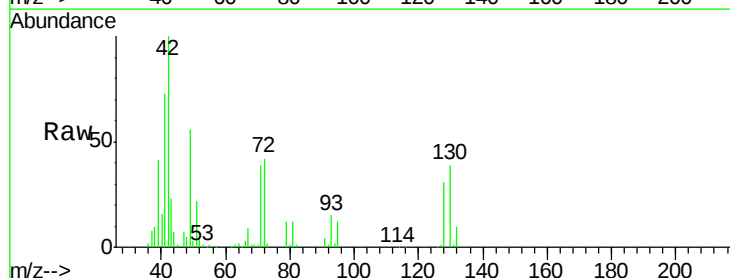
RT: 7.15 min Scan# 1683

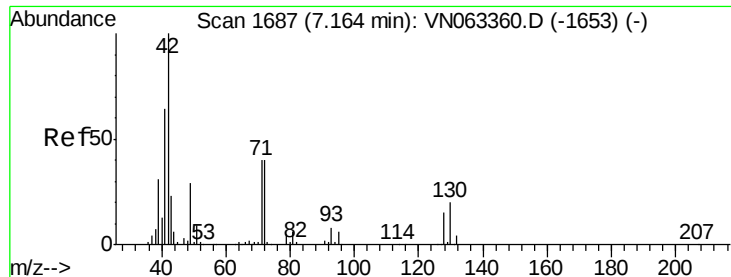
Delta R.T. 0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Tgt Ion:	49	Resp:	135037
Ion Ratio	Lower	Upper	
49	100		
129	0.8	0.0	3.8
130	70.2	52.2	78.2





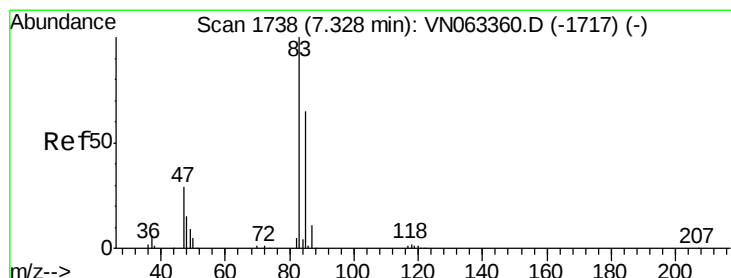
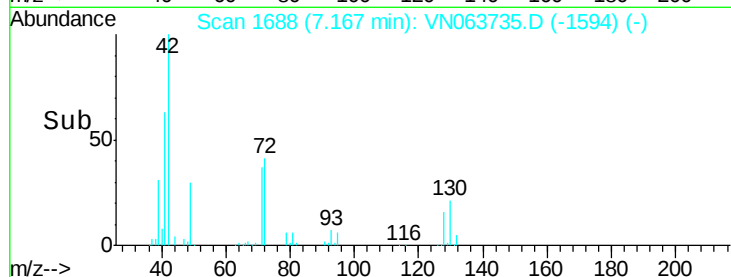
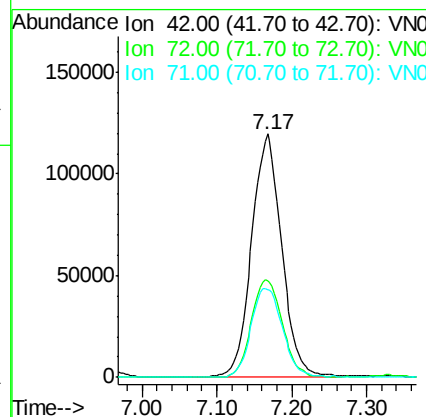
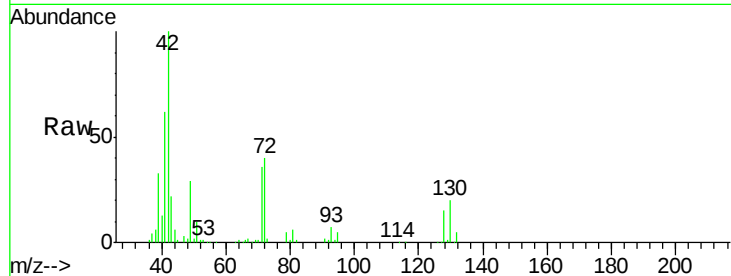
#29
Tetrahydrofuran
Concen: 227.626 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	32.1	48.1
71	38.2	31.2	46.8

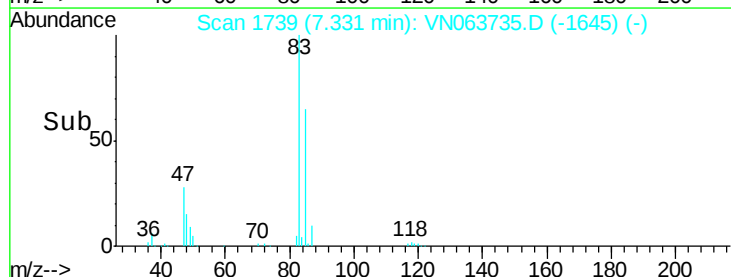
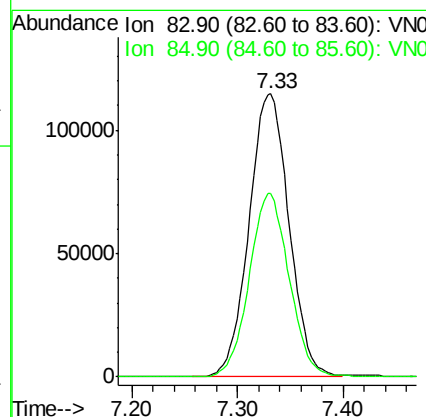
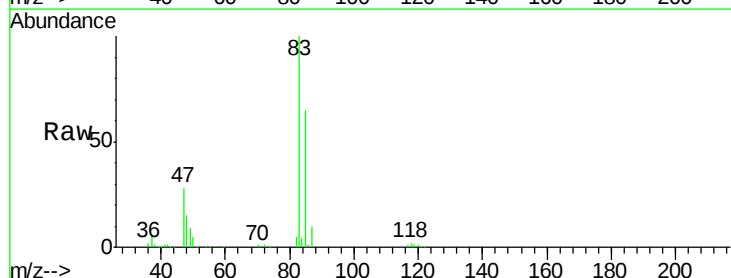
Manual Integrations
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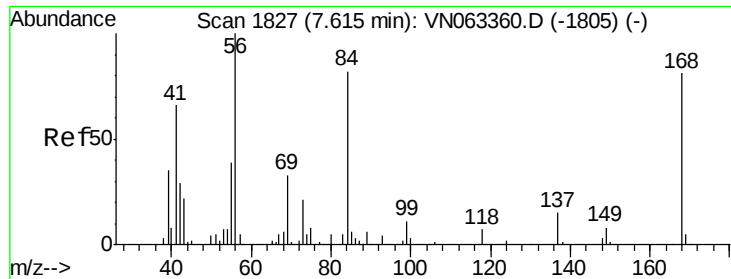
MMDadoda
9/30/2020 1:20:47 PM



#30
Chloroform
Concen: 47.207 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.1	78.1





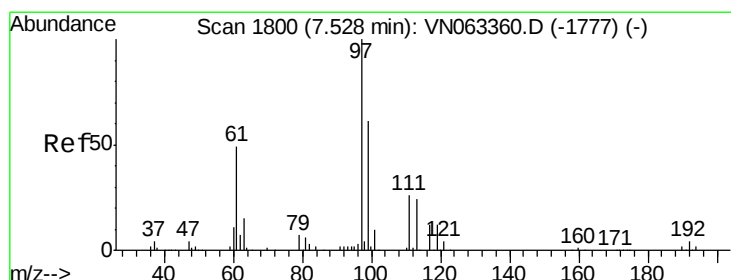
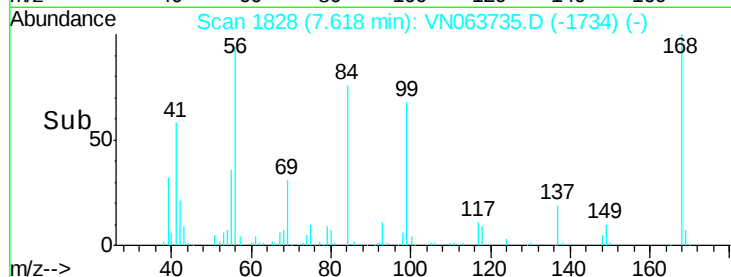
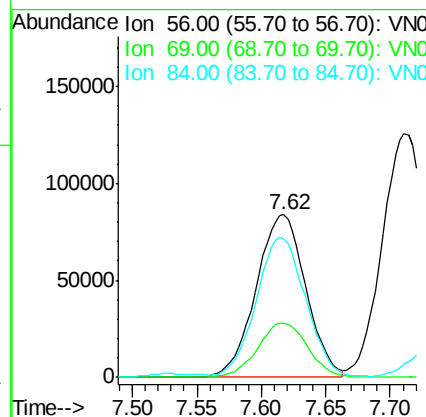
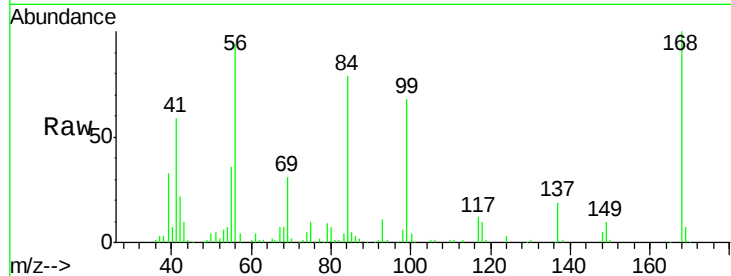
#31
Cyclohexane
Concen: 37.148 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.1	39.1
84	83.4	65.4	98.2

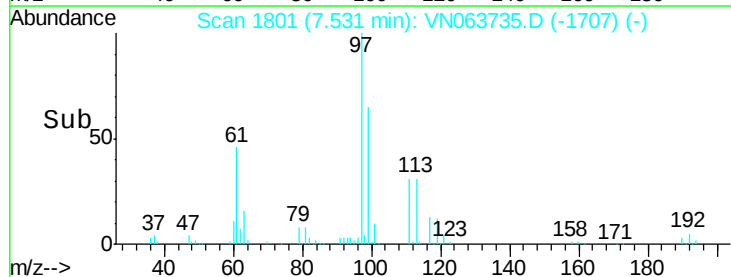
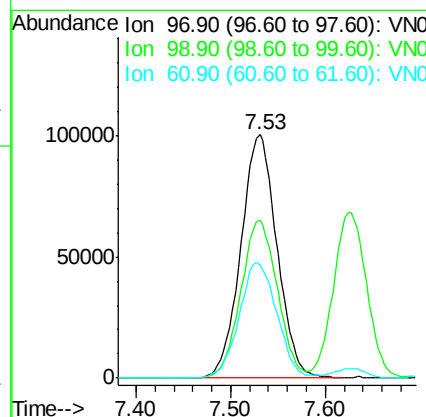
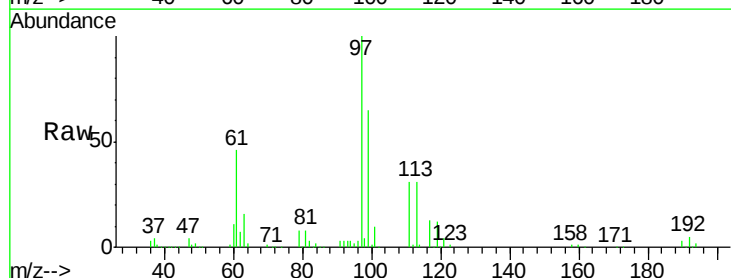
Manual Integrations
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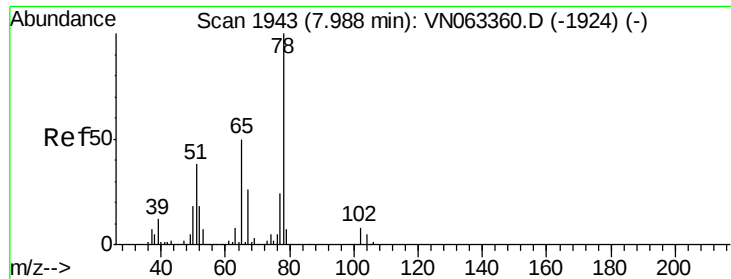
MMDadoda
9/30/2020 1:20:47 PM



#32
1,1,1-Trichloroethane
Concen: 46.682 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	50.6	76.0
61	49.4	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 49.238 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 215628

Ion Ratio Lower Upper

65 100

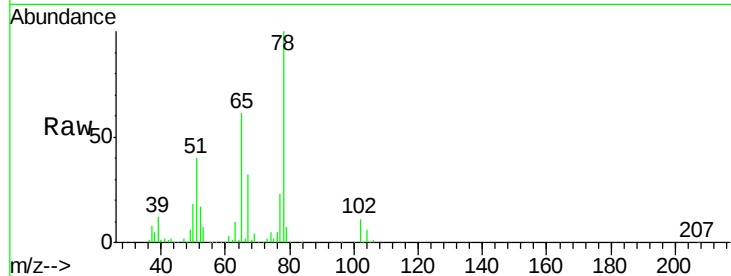
67 49.6 0.0 104.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)

7.99

100000

80000

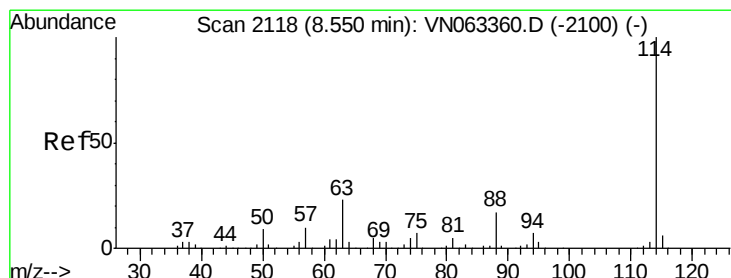
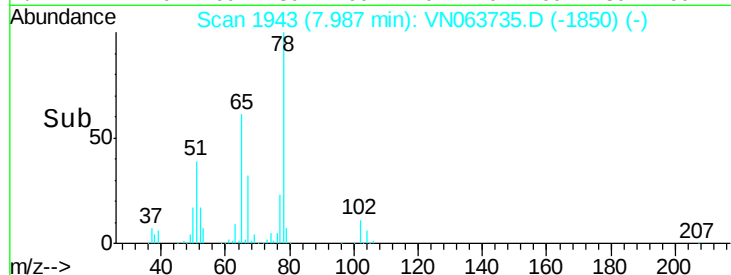
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

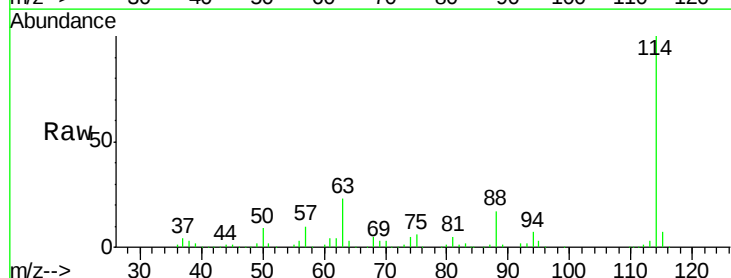
Tgt Ion: 114 Resp: 434388

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.4

88 16.6 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

8.55

250000

200000

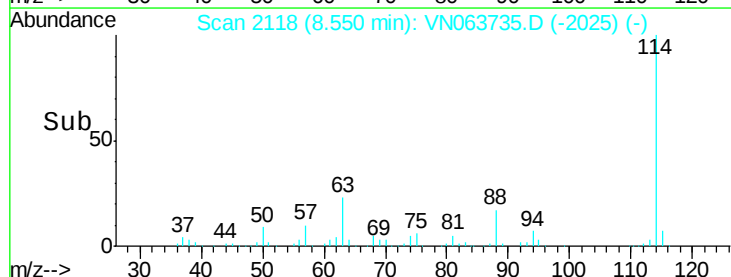
150000

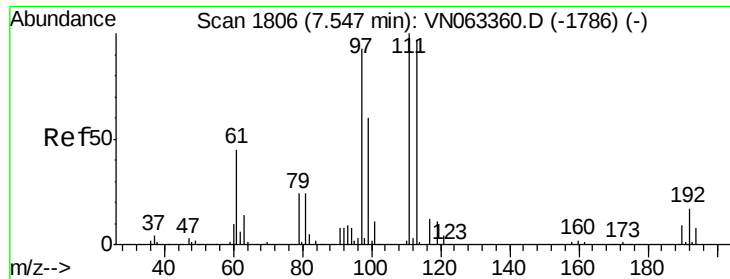
100000

50000

0

Time-->





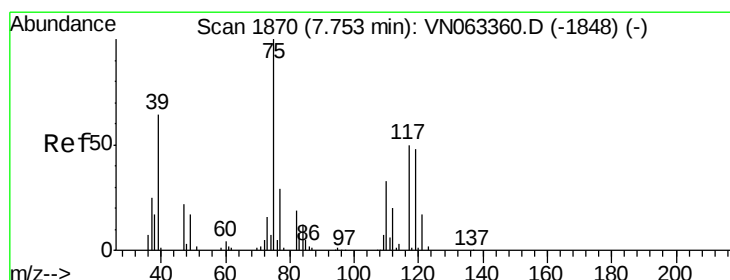
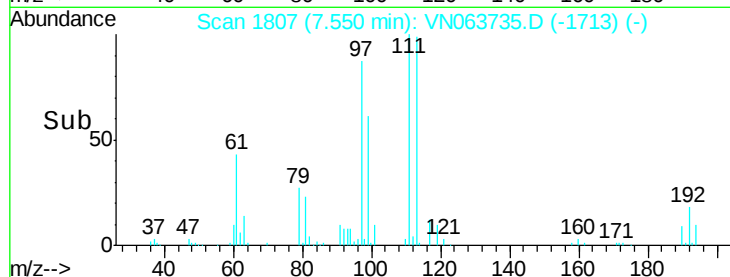
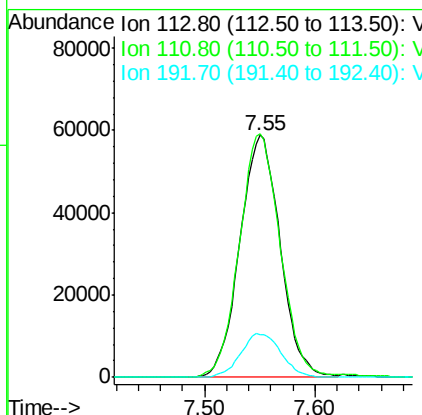
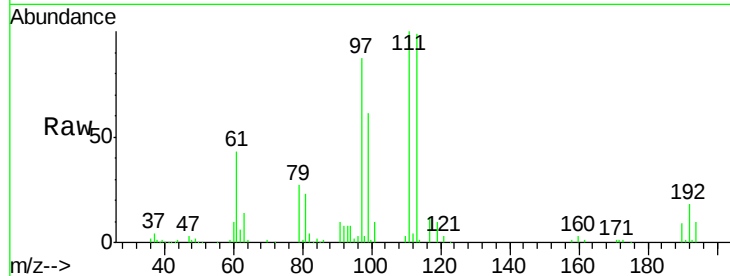
#35
Dibromofluoromethane
Concen: 49.538 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148969		
111	101.6	82.9	124.3	
192	18.1	13.9	20.9	

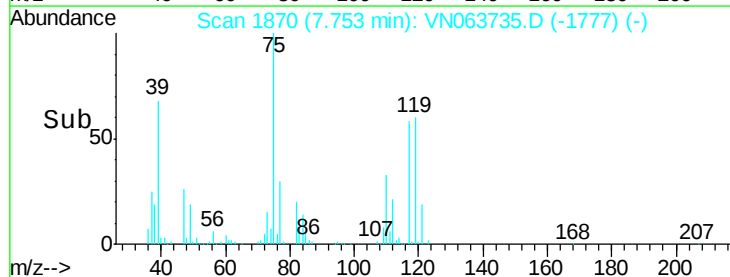
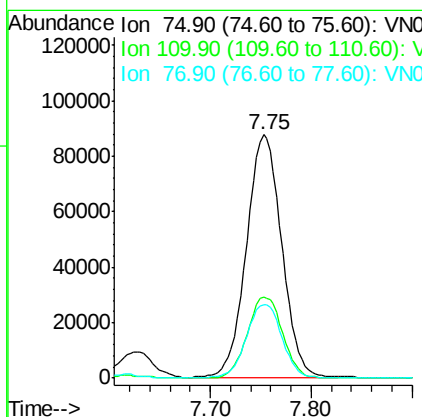
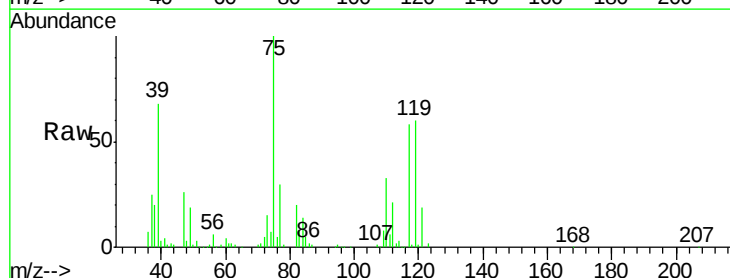
Manual Integrations
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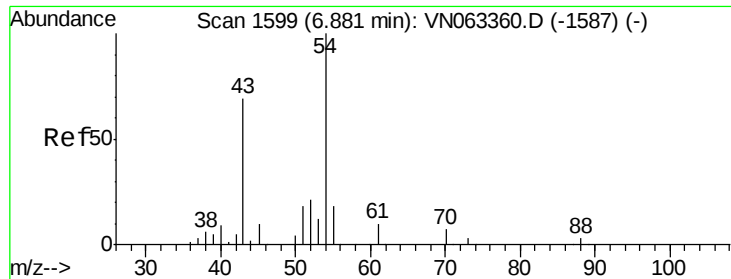
MMDadoda
9/30/2020 1:20:47 PM



#36
1,1-Dichloropropene
Concen: 45.681 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	211404		
110	33.5	16.5	49.5	
77	30.6	24.6	36.8	





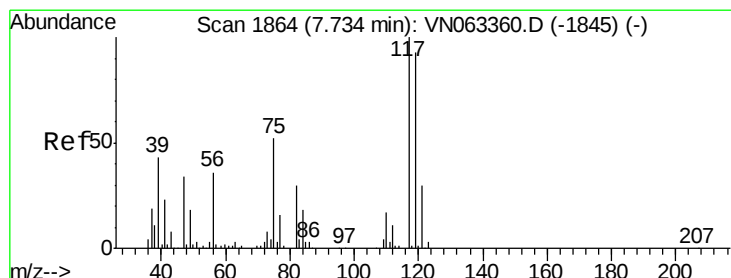
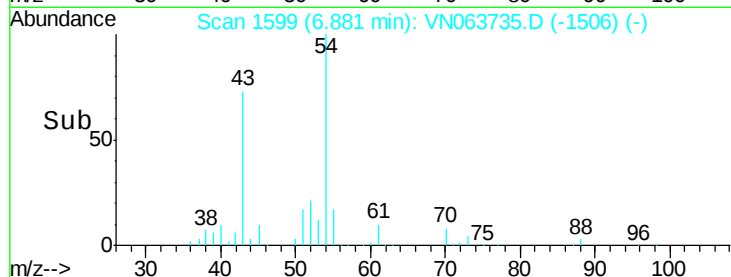
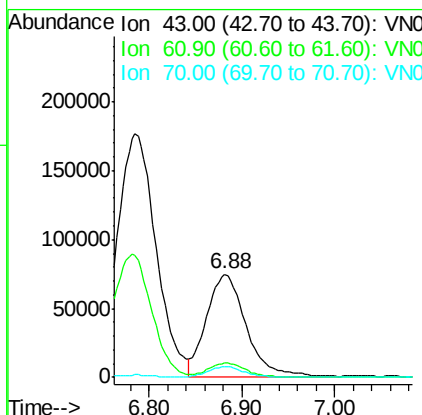
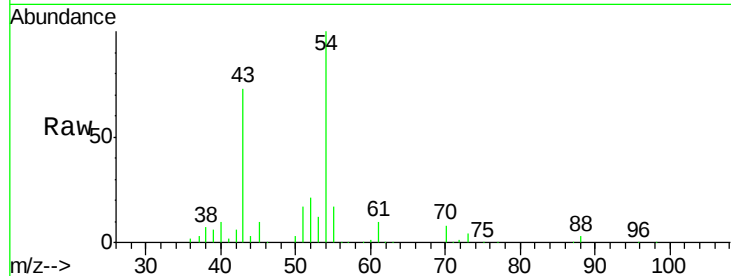
#37
Ethyl Acetate
Concen: 48.256 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	10.6	15.8
70	9.6	7.2	10.8

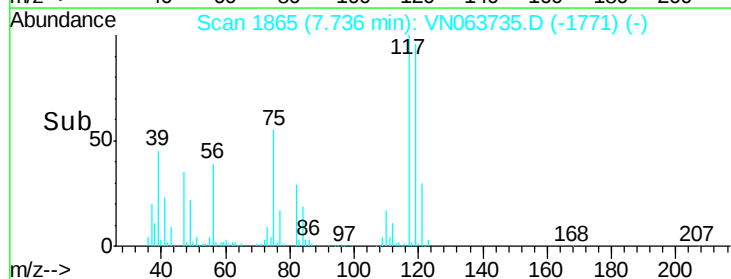
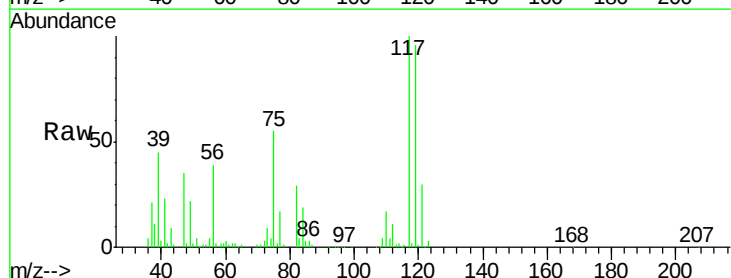
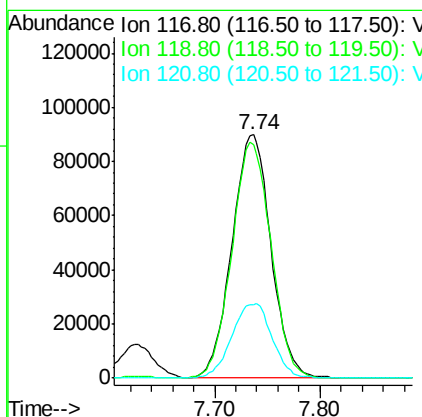
Manual Integrations
APPROVED

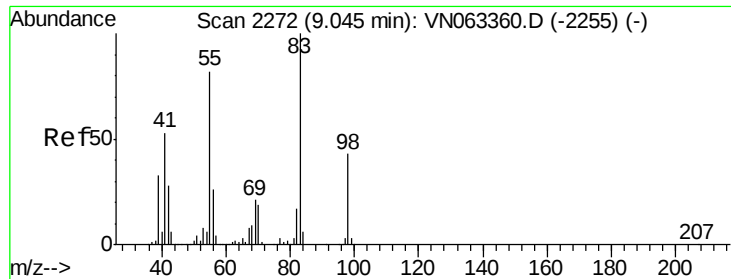
MMDadoda
9/30/2020 1:20:47 PM



#38
Carbon Tetrachloride
Concen: 48.603 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	74.5	111.7
121	30.4	24.1	36.1





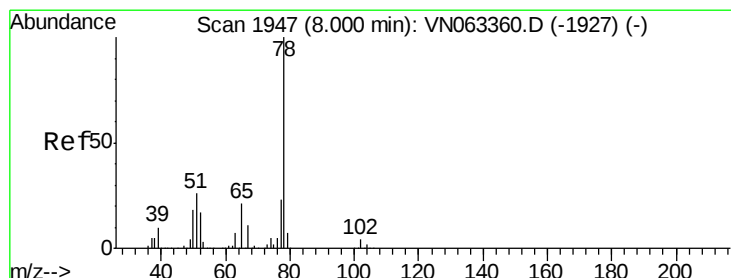
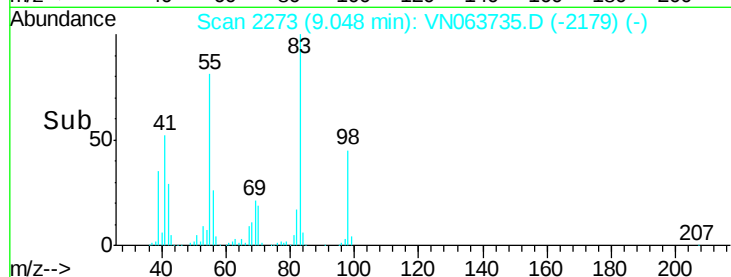
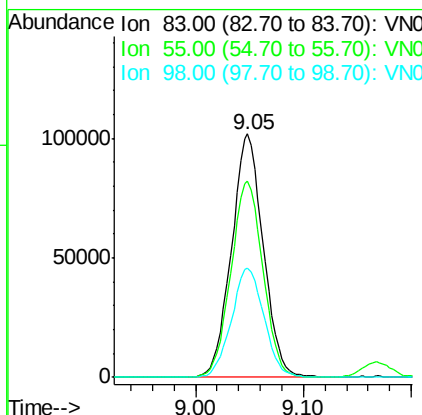
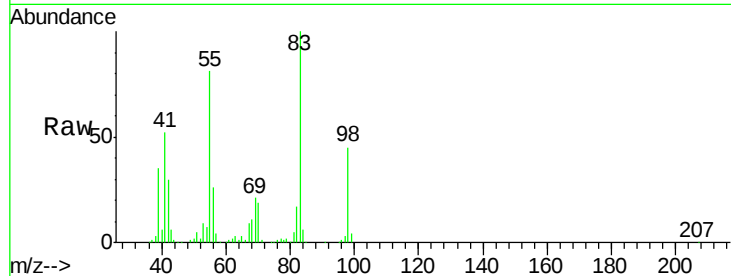
#39
Methvlcvclohexane
Concen: 41.569 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	208788
Ion Ratio	Lower	Upper	
83	100		
55	80.4	65.5	98.3
98	44.9	34.2	51.4

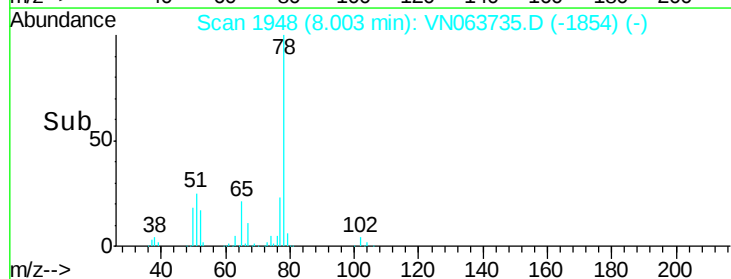
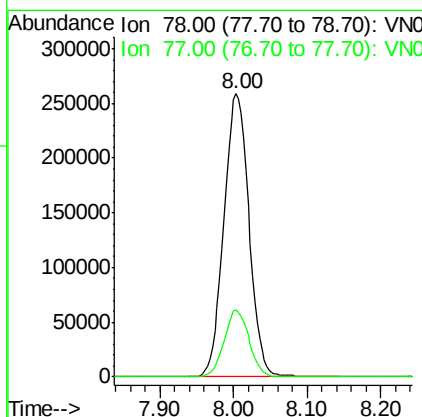
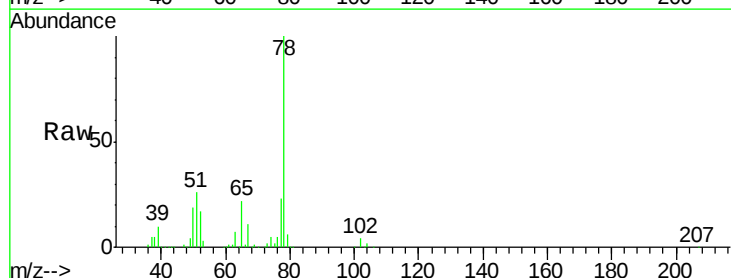
Manual Integrations
APPROVED

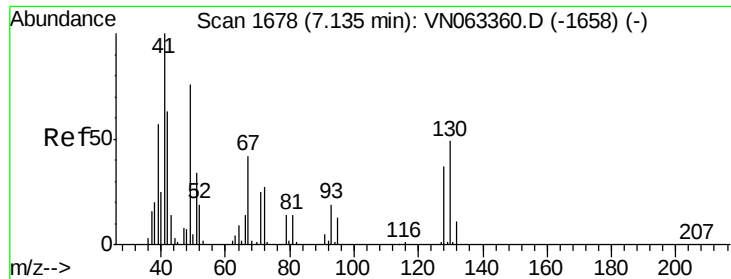
MMDadoda
9/30/2020 1:20:47 PM



#40
Benzene
Concen: 46.424 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	78	Resp	613292
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.3	27.5





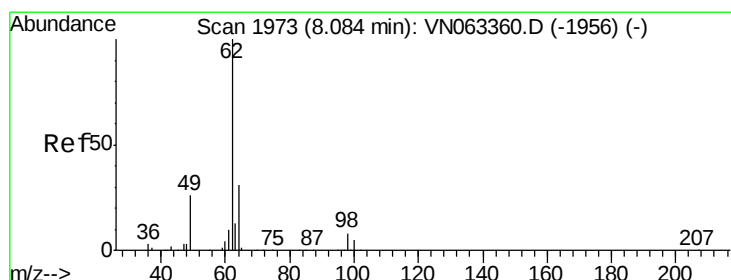
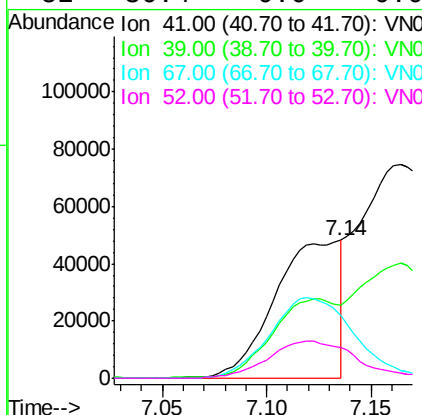
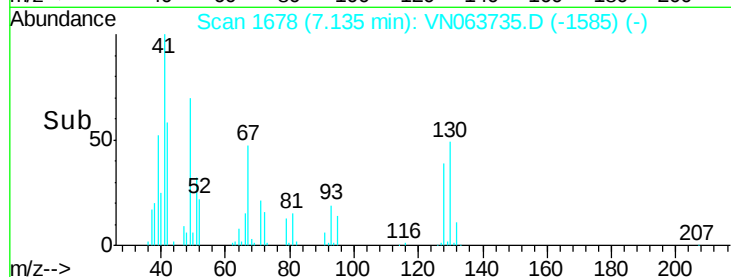
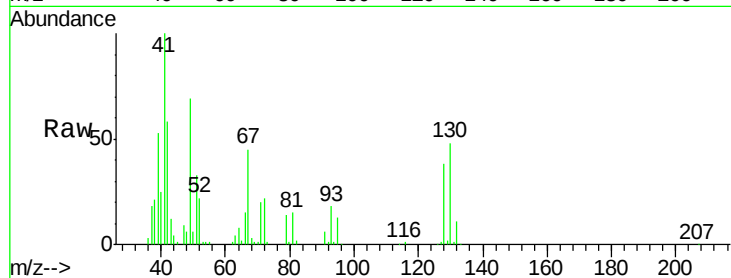
#41
Methacrylonitrile
Concen: 51.287 ug/l m
RT: 7.14 min Scan# 1678
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	104769
Ion Ratio	Lower	Upper	
41	100		
39	57.5	0.0	0.0#
67	76.6	0.0	0.0#
52	36.4	0.0	0.0#

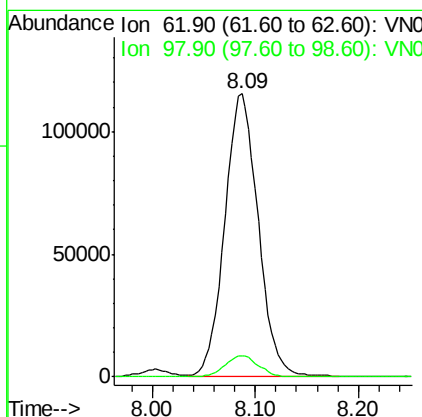
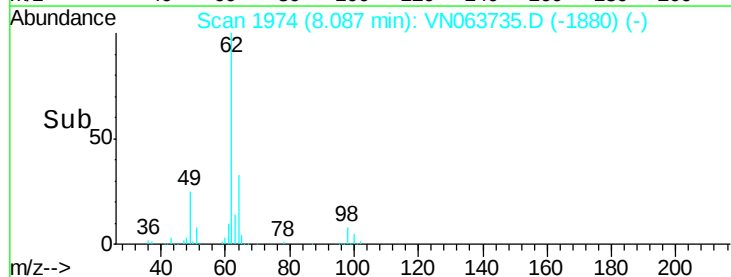
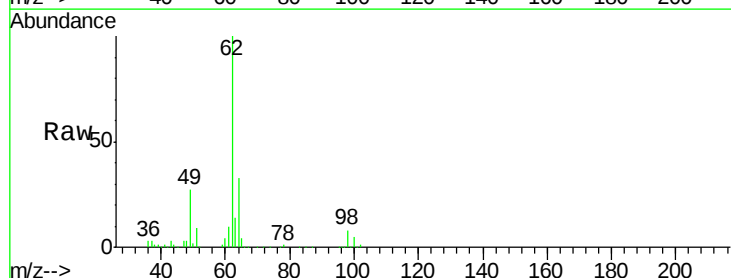
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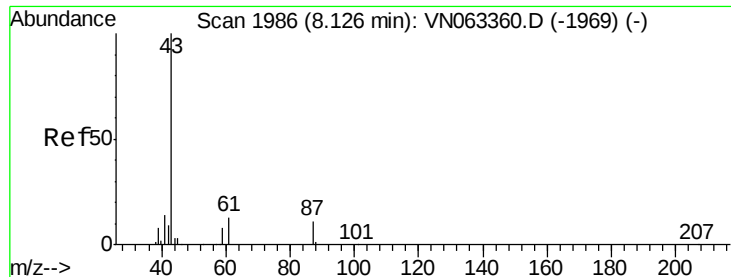
MMDadoda
9/30/2020 1:20:47 PM



#42
1,2-Dichloroethane
Concen: 48.914 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	62	Resp	259863
Ion Ratio	Lower	Upper	
62	100		
98	7.5	0.0	15.6





#43

Isopropyl Acetate

Concen: 46.496 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

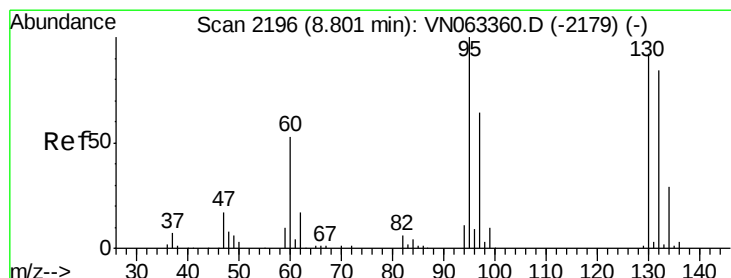
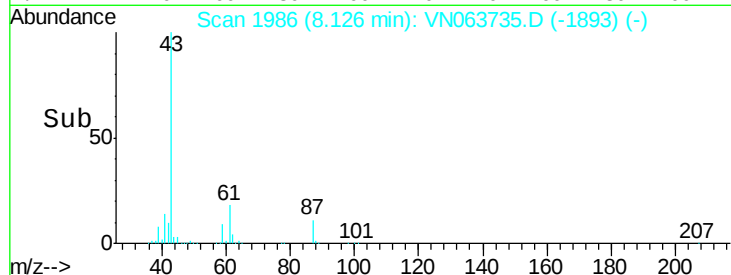
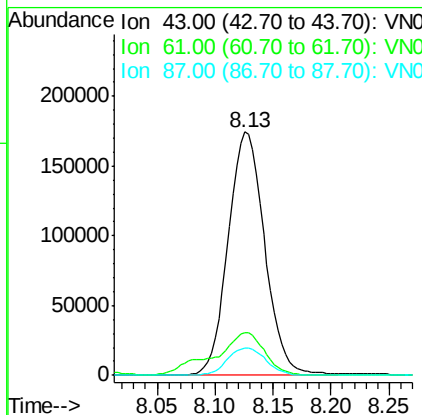
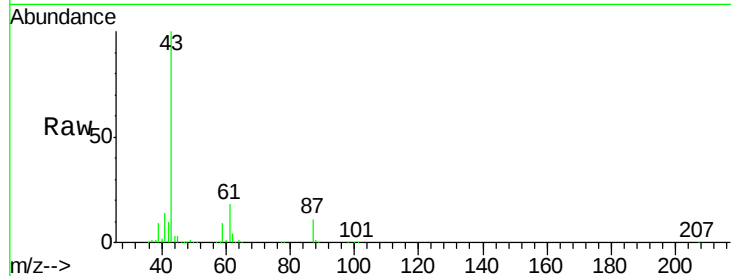
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	377621
Ion Ratio	Lower	Upper	
43	100		
61	24.5	14.2	21.2#
87	11.9	9.0	13.6

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9/30/2020 1:20:47 PM



#44

Trichloroethene

Concen: 48.389 ug/l

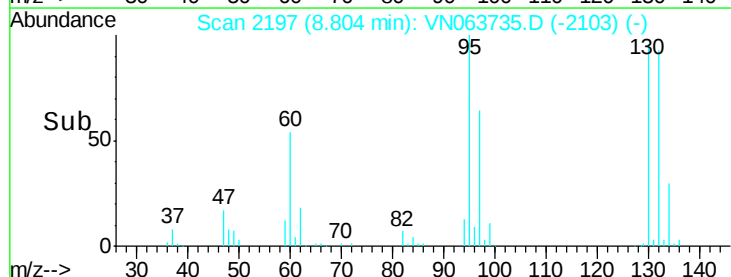
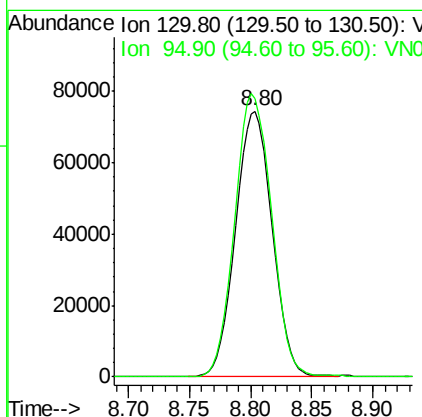
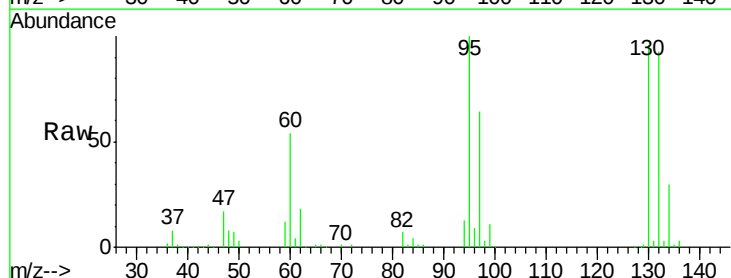
RT: 8.80 min Scan# 2197

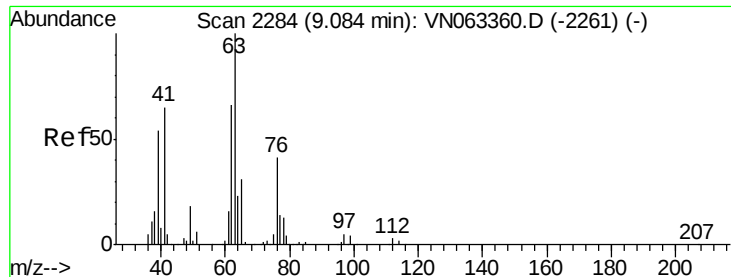
Delta R.T. 0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Tgt Ion:	130	Resp:	155047
Ion Ratio	Lower	Upper	
130	100		
95	104.5	0.0	217.4





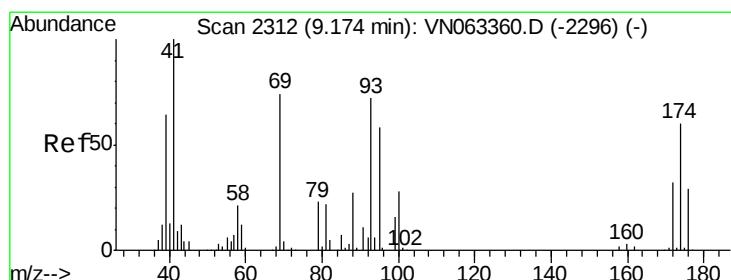
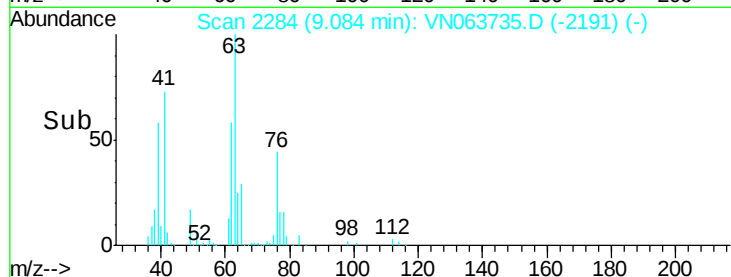
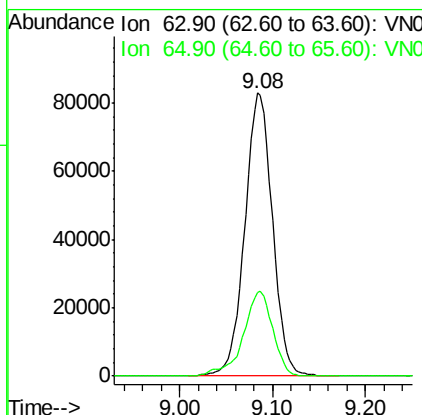
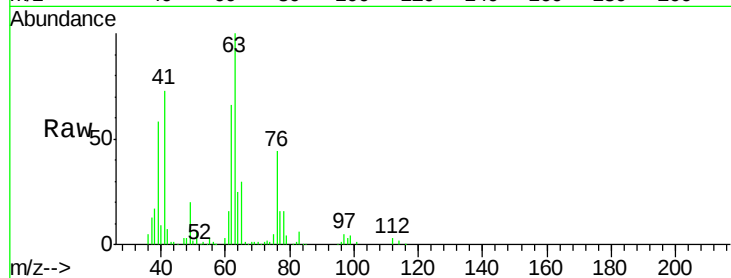
#45
 1,2-Dichloropropane
 Concen: 47.848 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	25.0	37.6

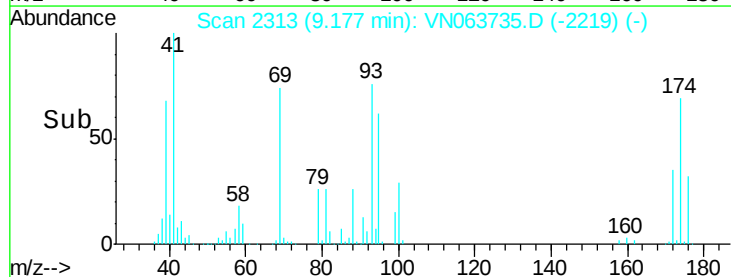
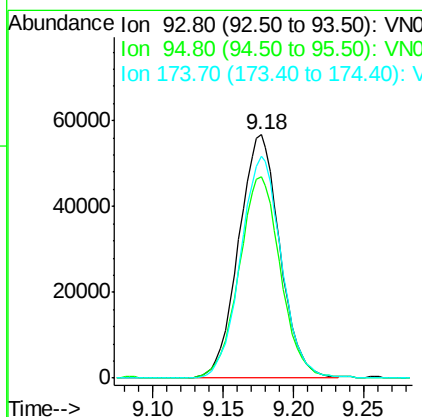
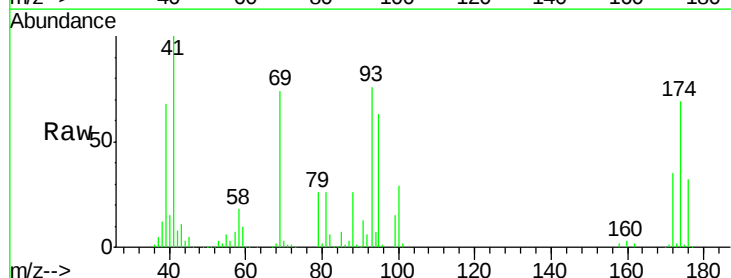
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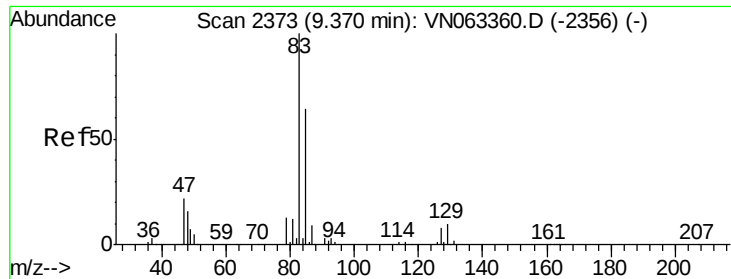
MMDadoda
 9/30/2020 1:20:47 PM



#46
 Dibromomethane
 Concen: 48.899 ug/l
 RT: 9.18 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.6	98.4
174	90.3	68.1	102.1





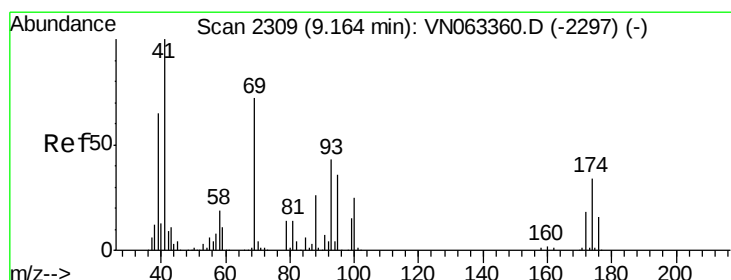
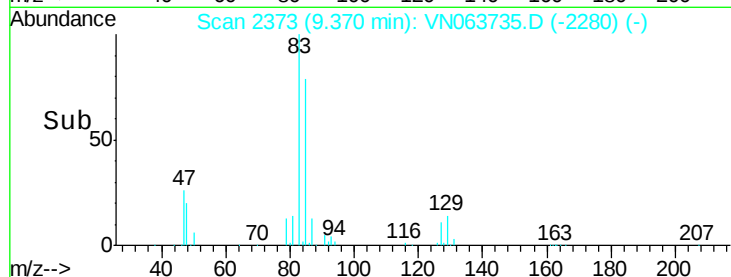
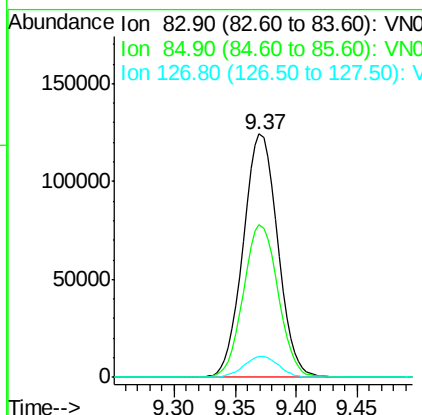
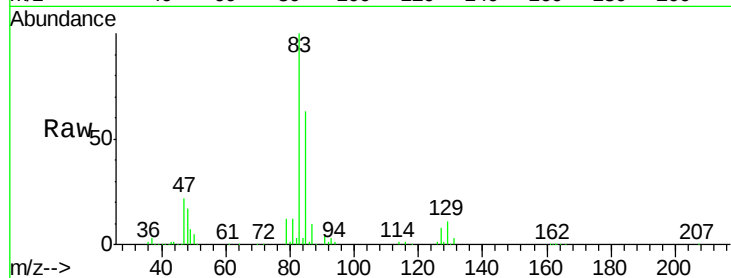
#47
Bromodichloromethane
Concen: 49.417 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.0	76.6
127	8.4	6.3	9.5

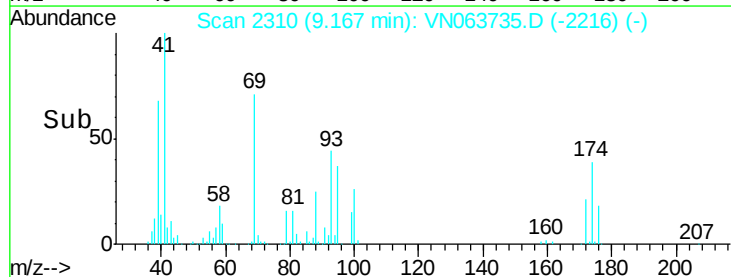
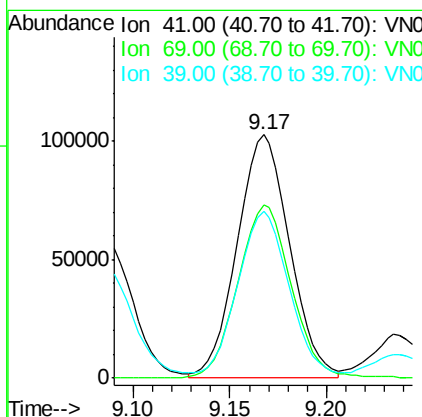
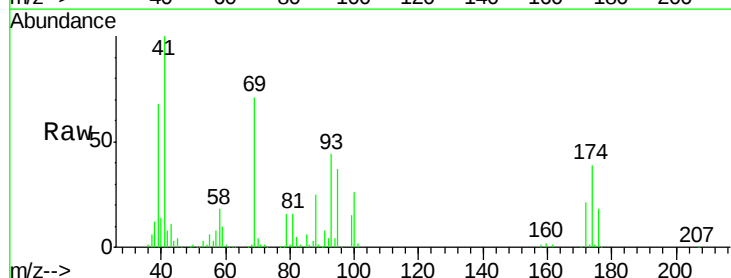
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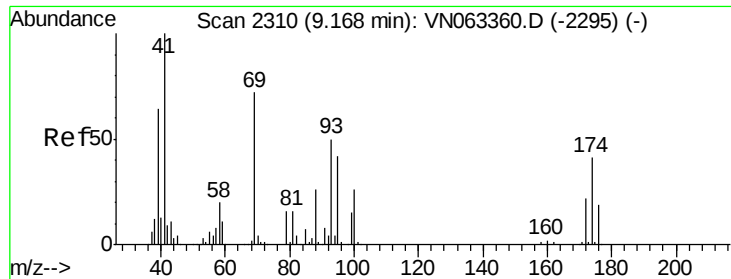
MMDadoda
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#48
Methyl methacrylate
Concen: 48.455 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.8	59.3	88.9
39	67.8	52.9	79.3





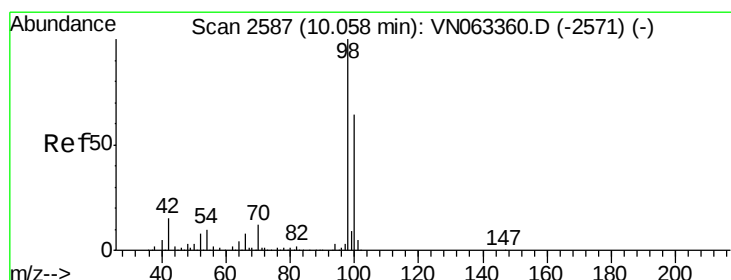
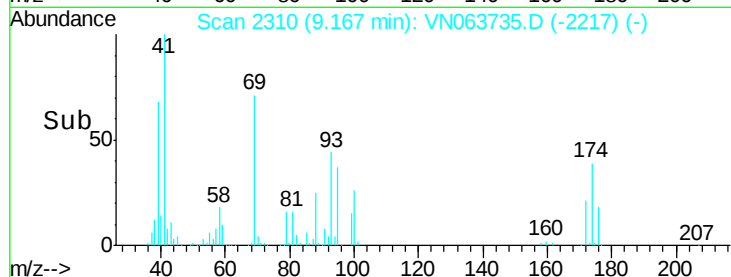
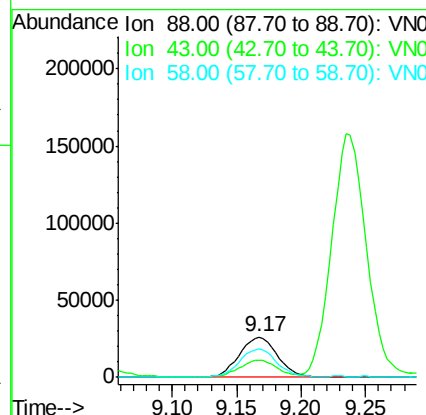
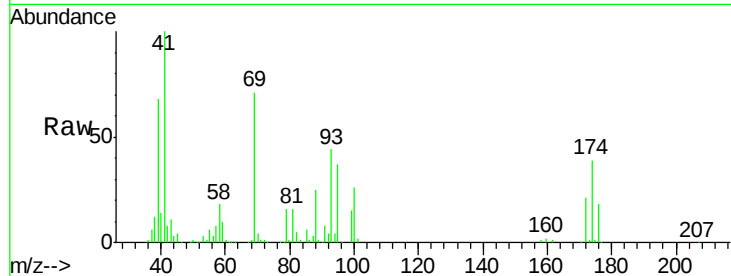
#49
1,4-Dioxane
Concen: 947.623 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	54262
Ion	Ratio	Lower	Upper
88	100		
43	39.2	32.6	49.0
58	69.1	60.0	90.0

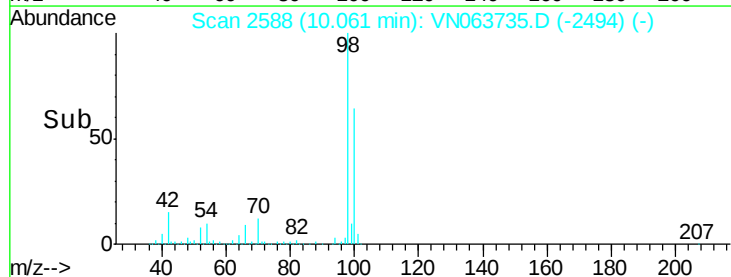
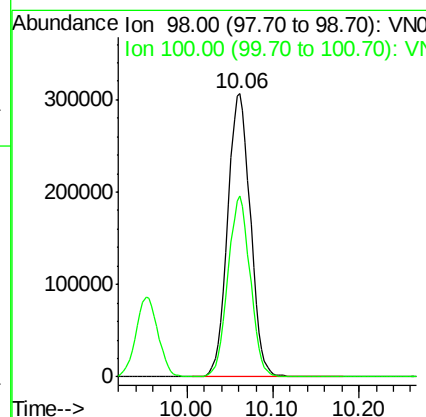
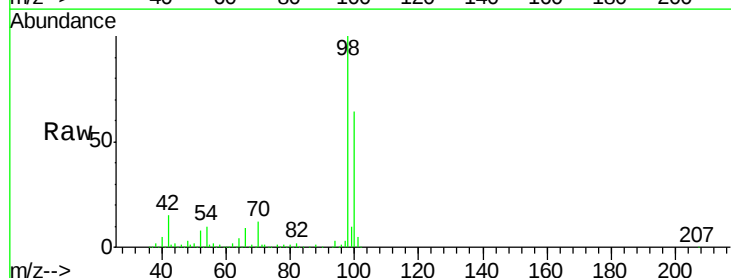
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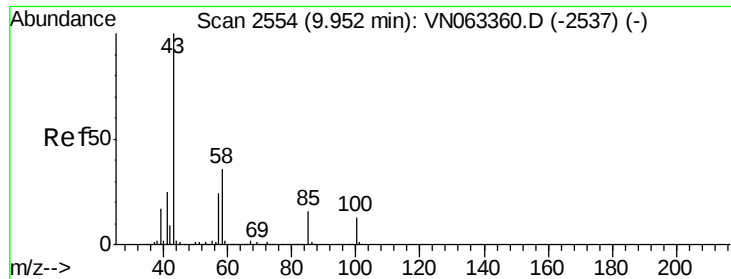
MMDadoda
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#50
Toluene-d8
Concen: 49.831 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	98	Resp	563471
Ion	Ratio	Lower	Upper
98	100		
100	62.5	50.7	76.1





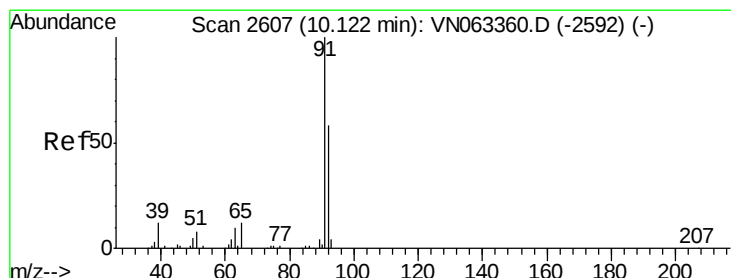
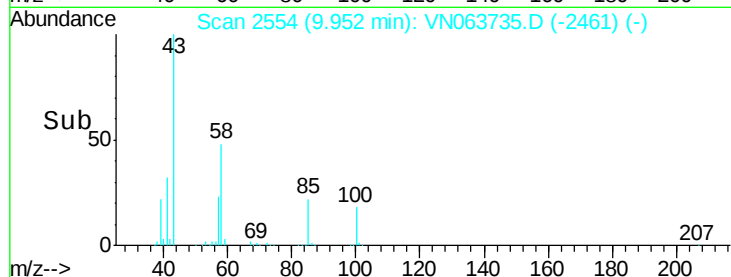
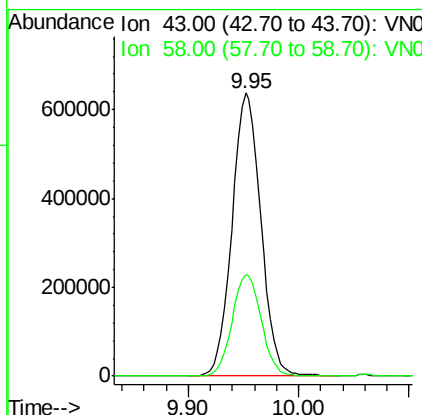
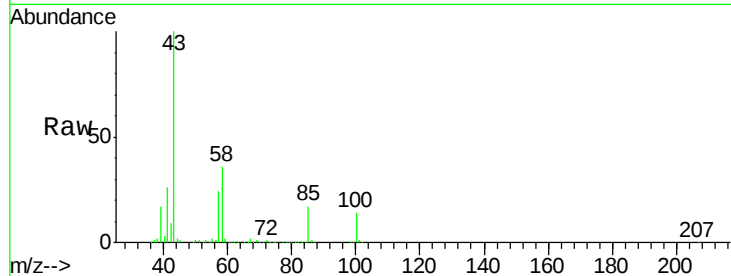
#51
 4-Methyl-2-Pentanone
 Concen: 253.484 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1152520
 Ion Ratio Lower Upper
 43 100
 58 36.3 29.0 43.6

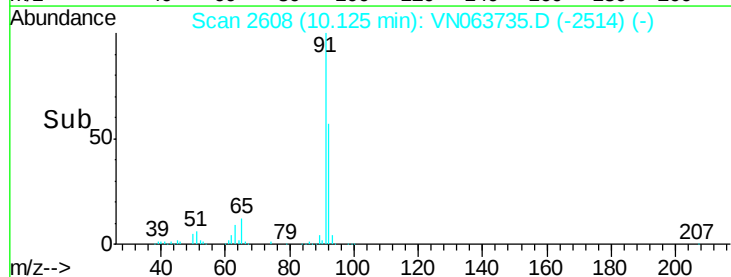
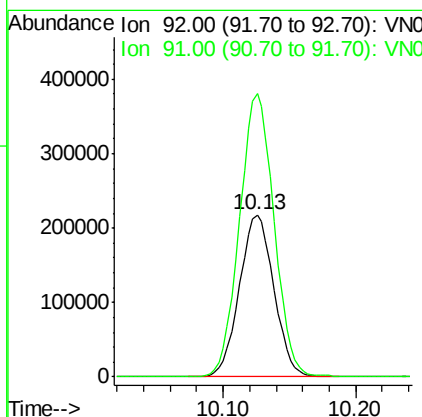
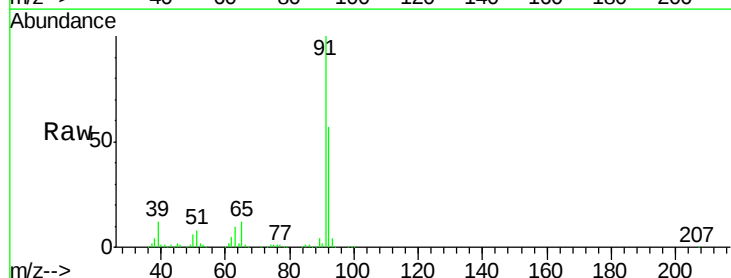
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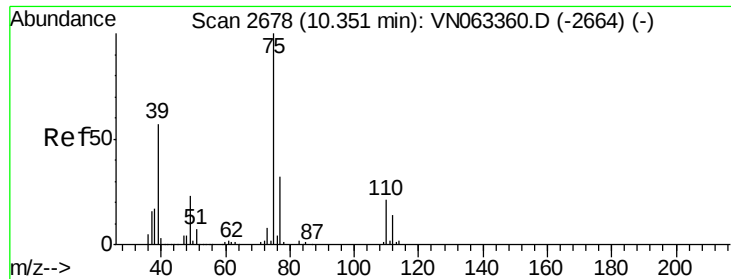
MMDadoda
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#52
 Toluene
 Concen: 49.533 ug/l
 RT: 10.13 min Scan# 2608
 Delta R.T. 0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Tgt Ion: 92 Resp: 393429
 Ion Ratio Lower Upper
 92 100
 91 175.1 139.7 209.5





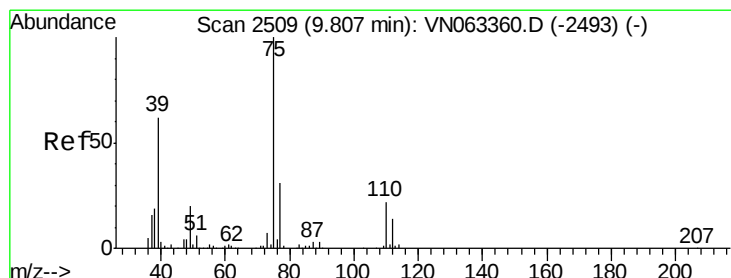
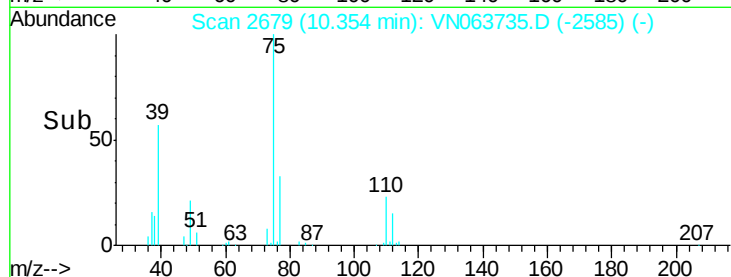
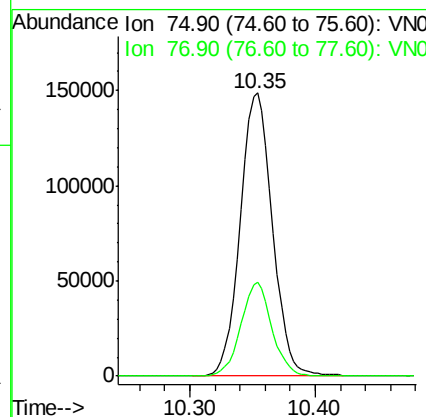
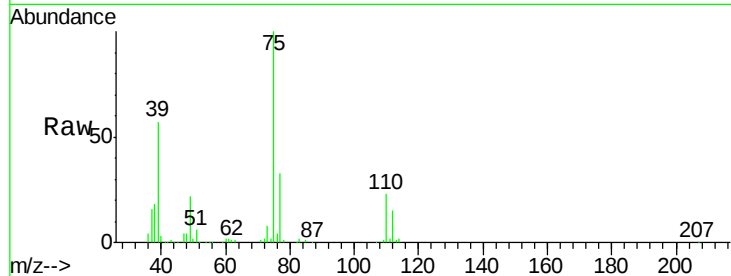
#53
t-1,3-Dichloropropene
Concen: 48.394 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 265421
Ion Ratio Lower Upper
75 100
77 33.3 25.4 38.2

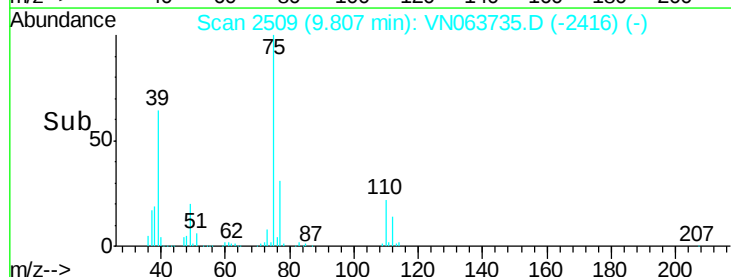
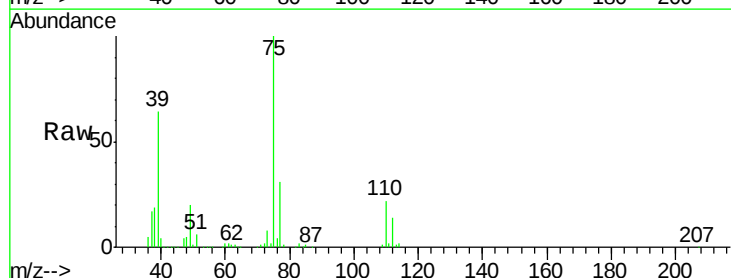
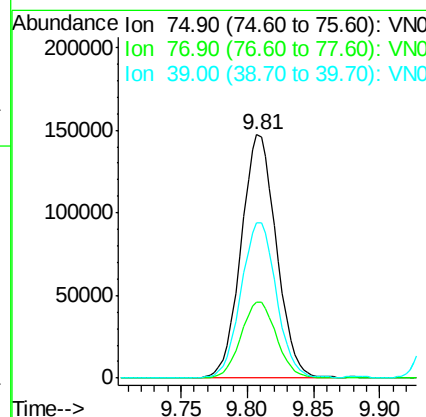
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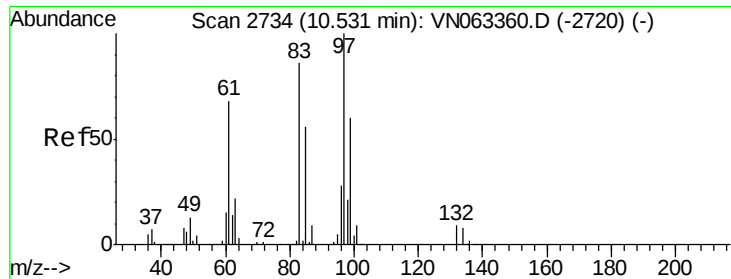
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 47.047 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion: 75 Resp: 272178
Ion Ratio Lower Upper
75 100
77 31.3 24.6 37.0
39 63.5 49.8 74.8





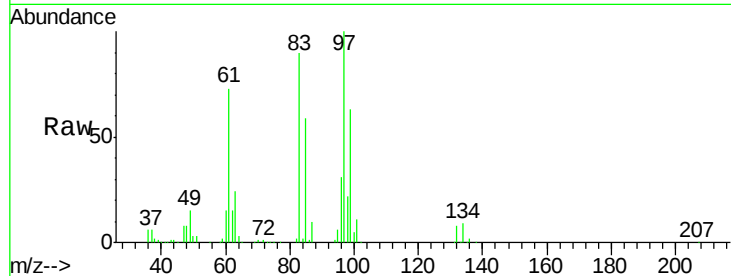
#55
 1,1,2-Trichloroethane
 Concen: 49.690 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	156766
Ion	Ratio	Lower	Upper
97	100		
83	89.7	68.9	103.3
85	59.2	44.8	67.2
99	63.4	47.8	71.8

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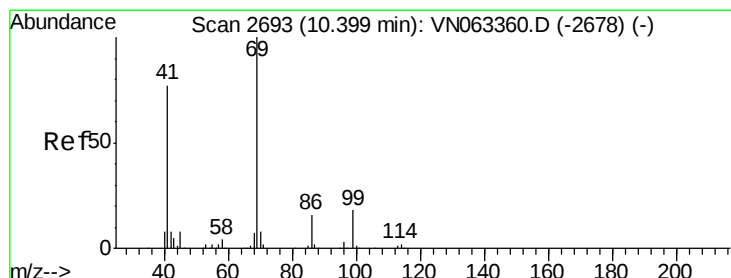
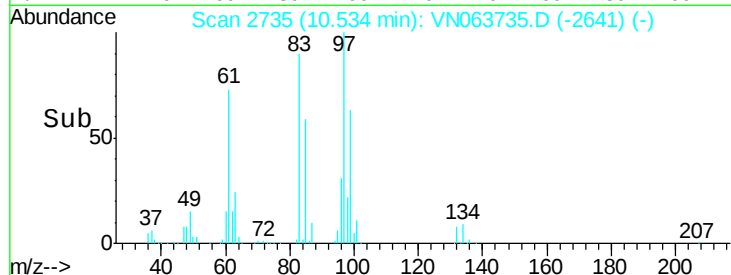
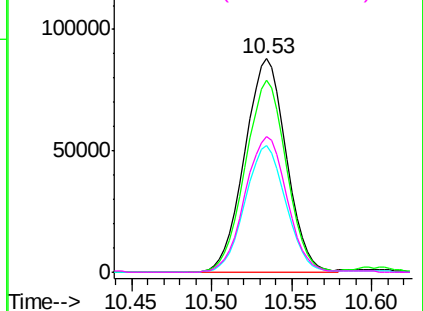


Abundance Ion 96.90 (96.60 to 97.60): VN063735.D (-2641) (-)

Ion 82.90 (82.60 to 83.60): VN063735.D (-2641) (-)

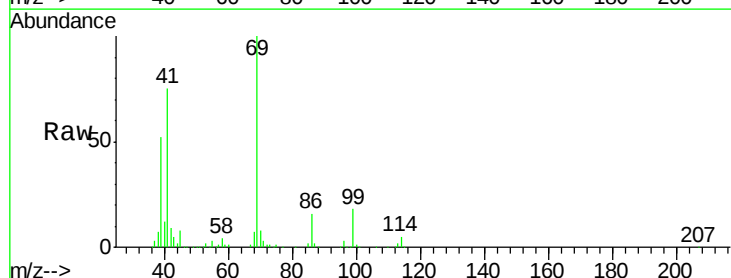
Ion 84.90 (84.60 to 85.60): VN063735.D (-2641) (-)

Ion 98.90 (98.60 to 99.60): VN063735.D (-2641) (-)



#56
 Ethyl methacrylate
 Concen: 49.429 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

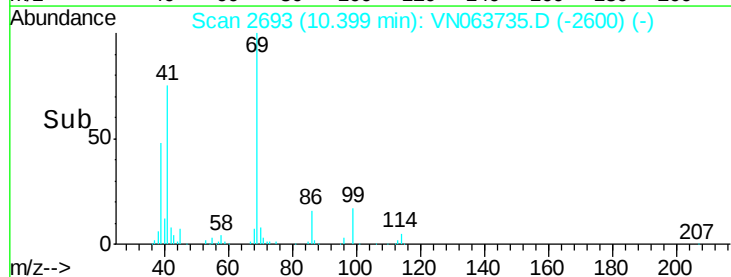
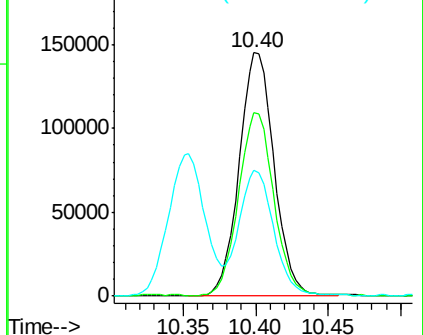
Tgt Ion:	69	Resp:	243445
Ion	Ratio	Lower	Upper
69	100		
41	75.2	61.0	91.6
39	51.1	39.2	58.8



Abundance Ion 69.00 (68.70 to 69.70): VN063735.D (-2600) (-)

Ion 41.00 (40.70 to 41.70): VN063735.D (-2600) (-)

Ion 39.00 (38.70 to 39.70): VN063735.D (-2600) (-)





#57

1,3-Dichloropropane

Concen: 48.584 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 76 Resp: 276410

Ion Ratio Lower Upper

76 100

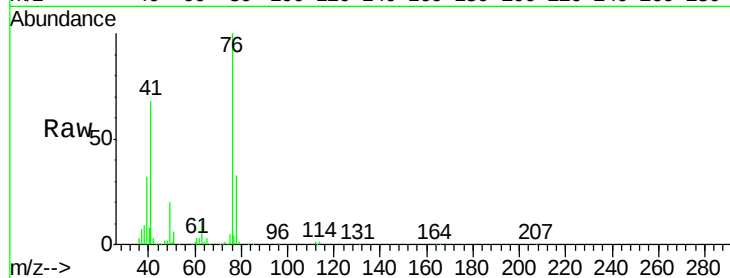
78 32.4 25.8 38.8

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

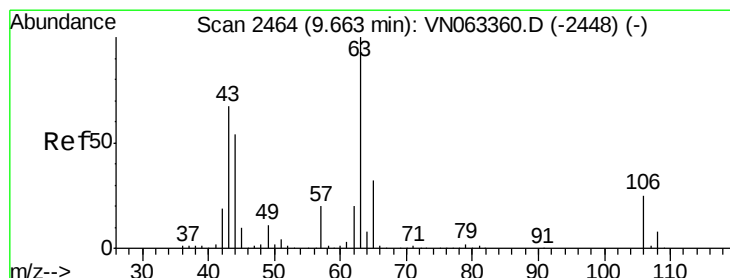
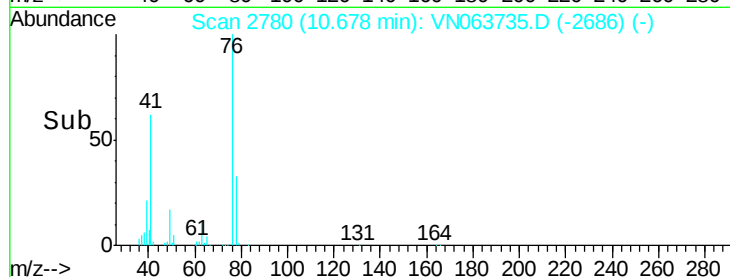
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 239.538 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN063735.D

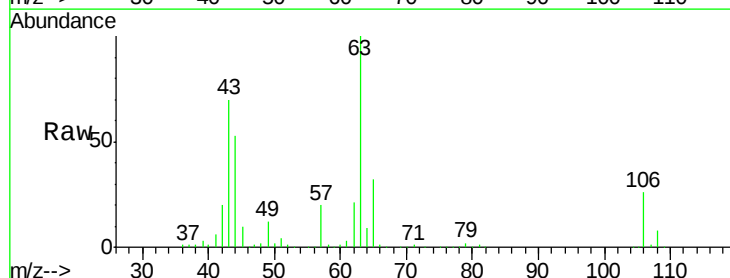
Acq: 29 Sep 2020 18:39

Tgt Ion: 63 Resp: 618875

Ion Ratio Lower Upper

63 100

106 26.1 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

400000

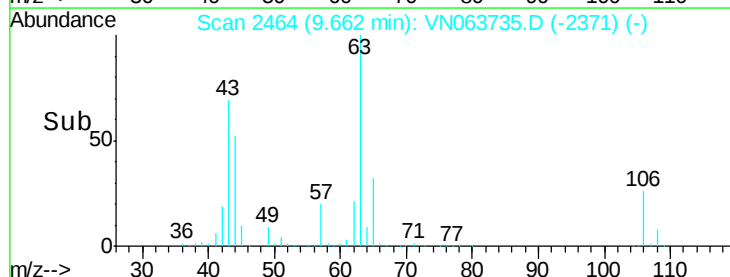
300000

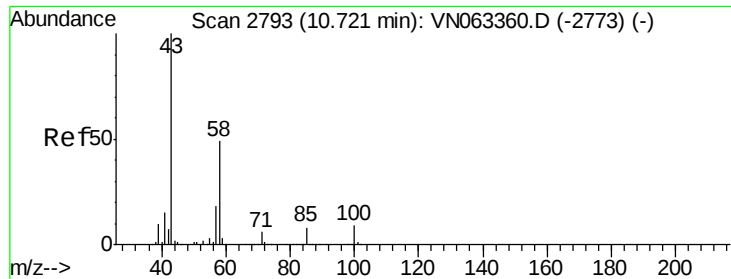
200000

100000

0

Time-->





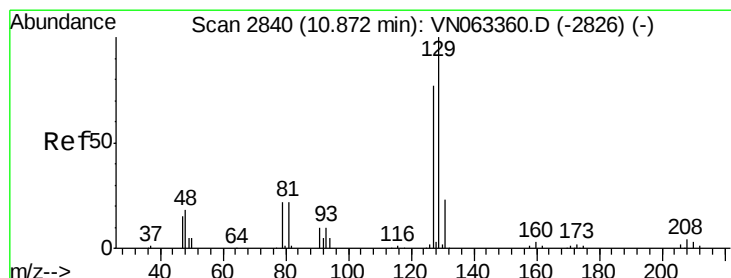
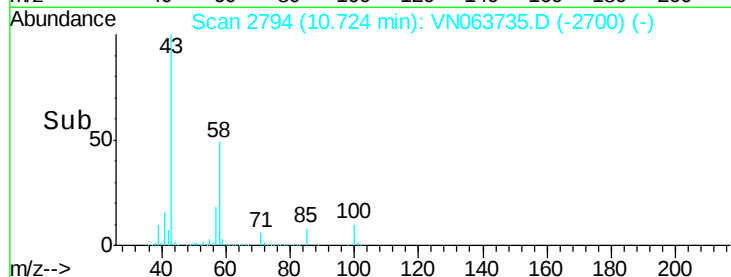
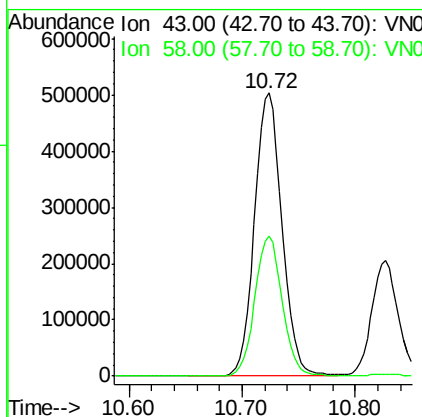
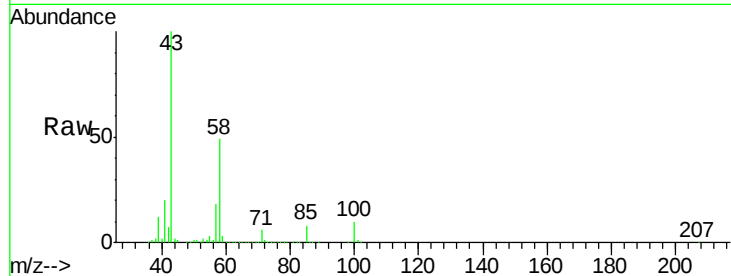
#59
2-Hexanone
Concen: 257.741 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 848990
Ion Ratio Lower Upper
43 100
58 49.3 24.7 74.1

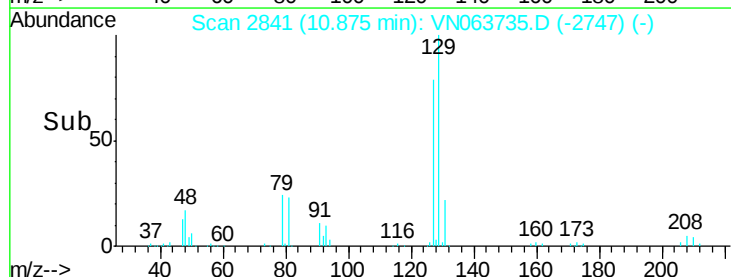
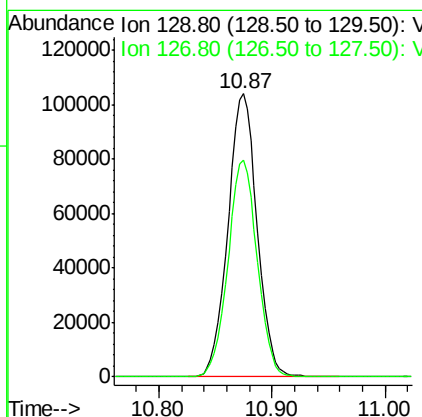
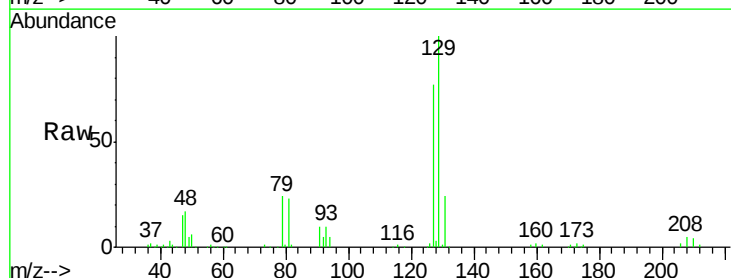
Manual Integrations
APPROVED

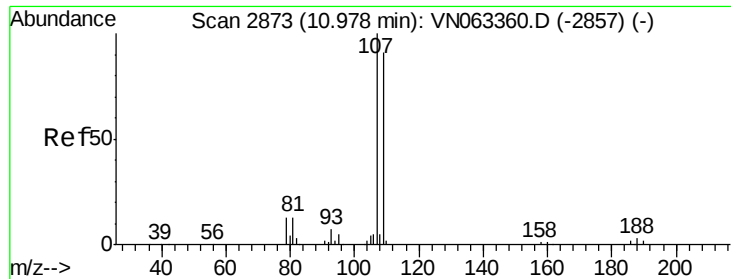
MMDadoda
9/30/2020 1:20:47 PM



#60
Dibromochloromethane
Concen: 52.255 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion: 129 Resp: 186245
Ion Ratio Lower Upper
129 100
127 76.6 39.1 117.3





#61

1,2-Dibromoethane

Concen: 51.153 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 167662

Ion Ratio Lower Upper

107 100

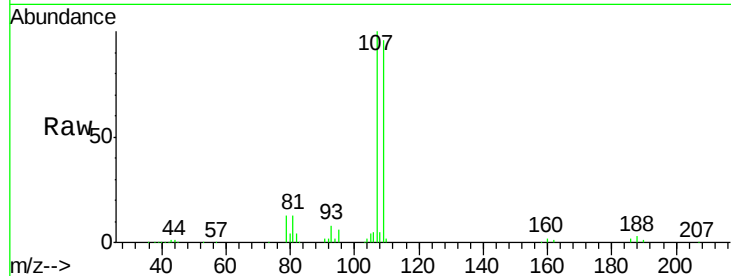
109 94.5 74.6 111.8

Manual Integrations

APPROVED

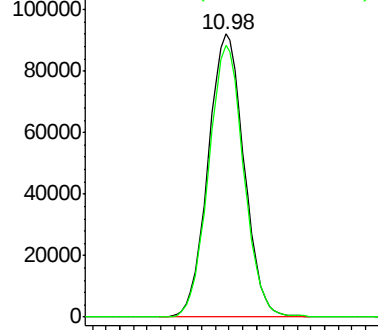
MMDadoda

9/30/2020 1:20:47 PM

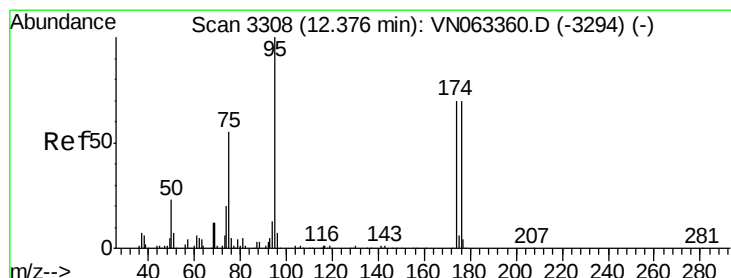
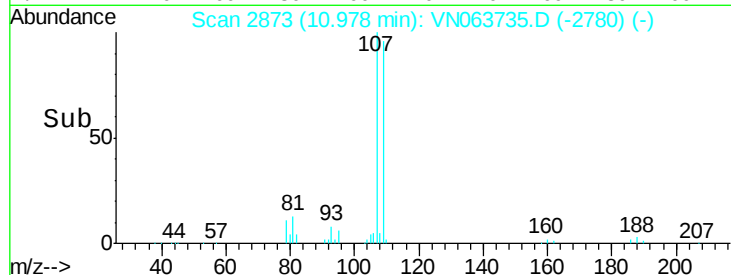


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 53.264 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

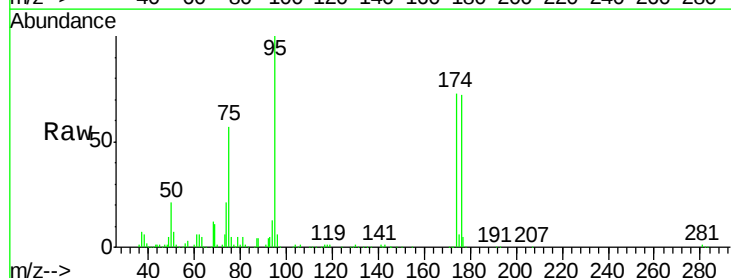
Tgt Ion: 95 Resp: 220787

Ion Ratio Lower Upper

95 100

174 73.1 0.0 140.8

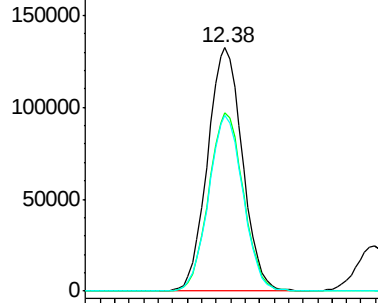
176 71.5 0.0 137.6



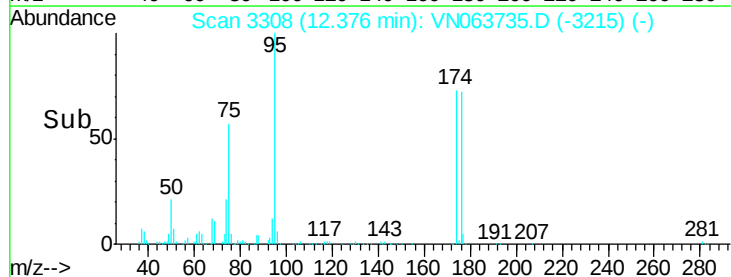
Abundance Ion 94.90 (94.60 to 95.60): V

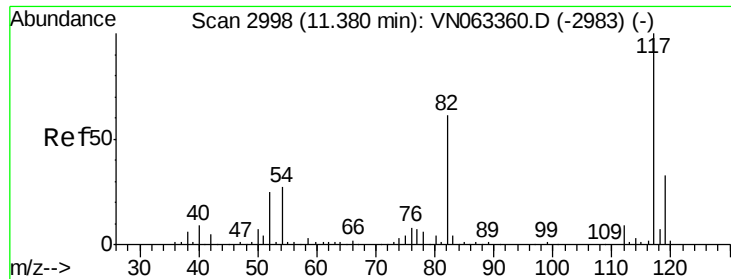
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





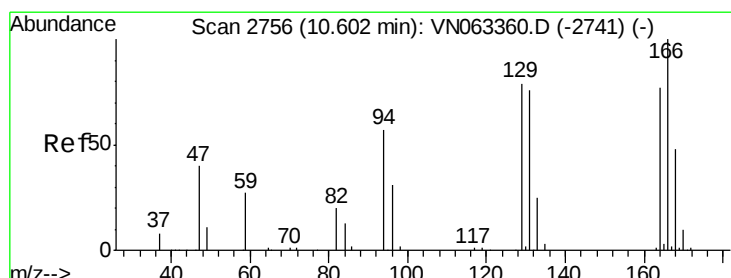
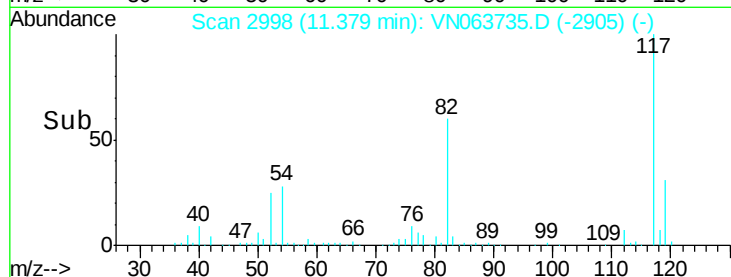
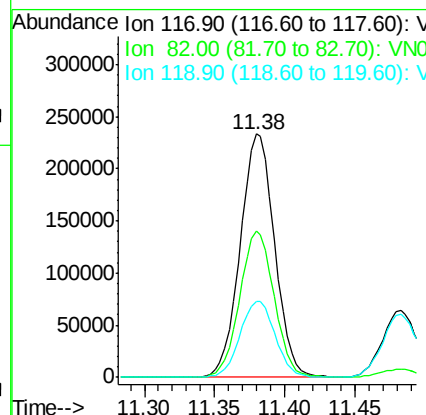
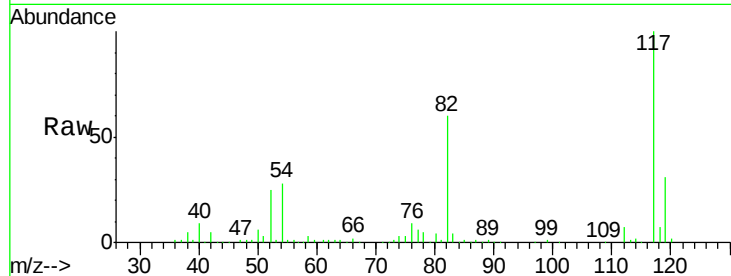
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.1	49.2	73.8
119	31.3	26.2	39.4

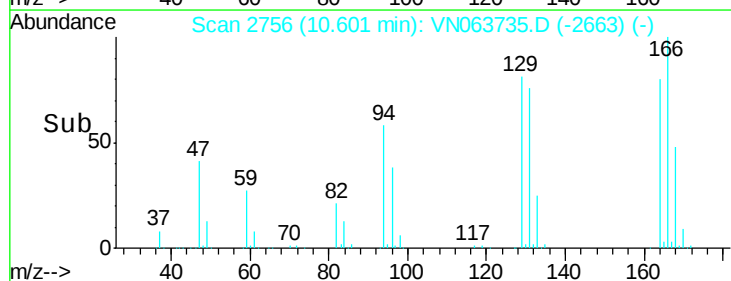
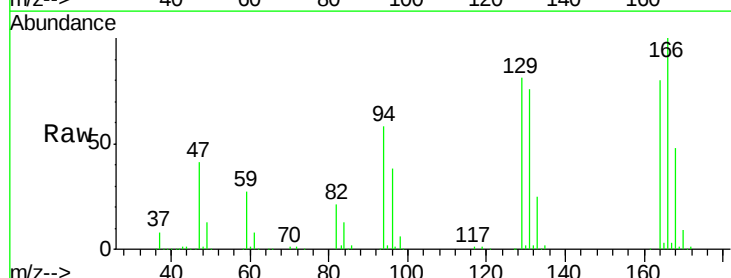
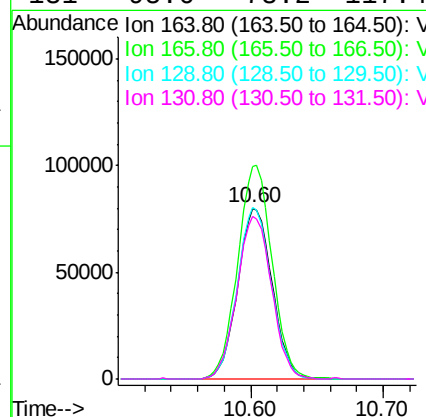
Manual Integrations
APPROVED

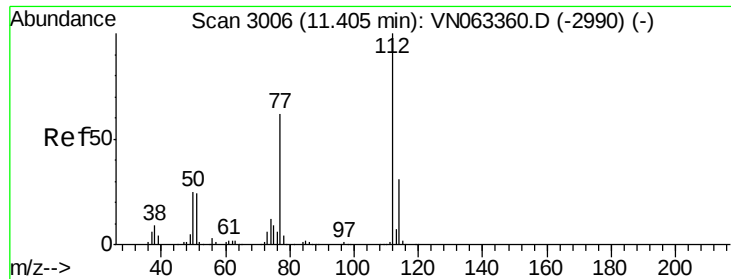
MMDadoda
9/30/2020 1:20:47 PM



#64
Tetrachloroethene
Concen: 53.000 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	103.4	155.0
129	100.9	81.8	122.6
131	95.6	78.2	117.4





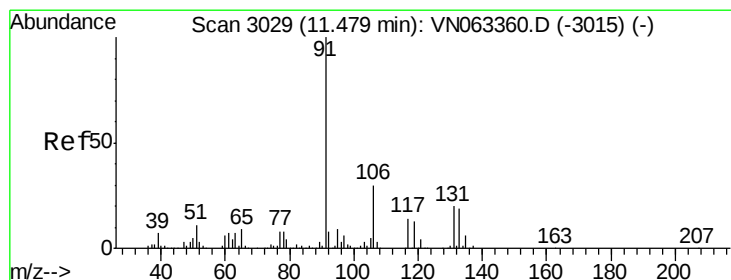
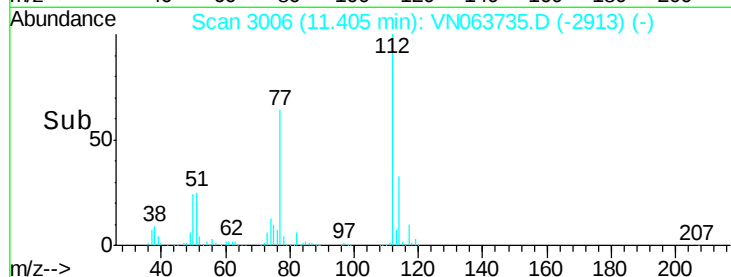
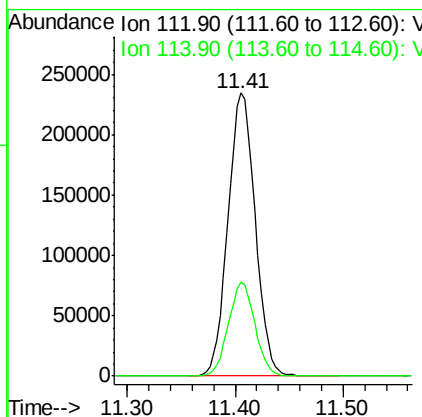
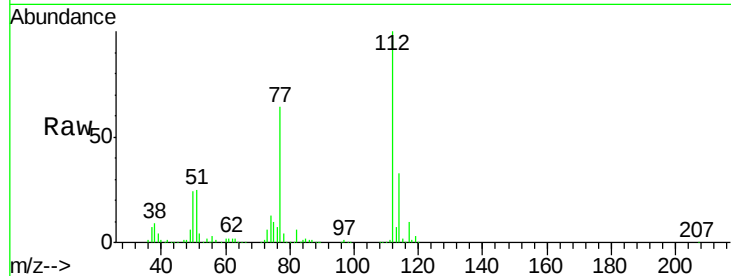
#65
Chlorobenzene
Concen: 48.935 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 414945
Ion Ratio Lower Upper
112 100
114 33.1 25.0 37.6

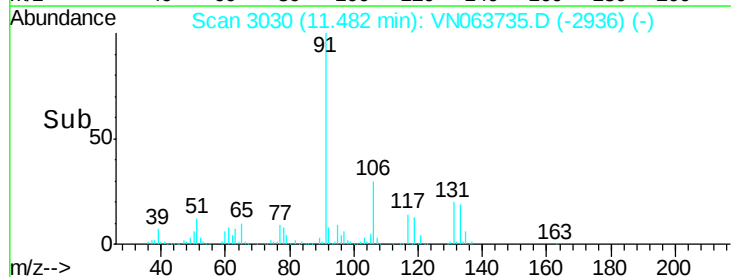
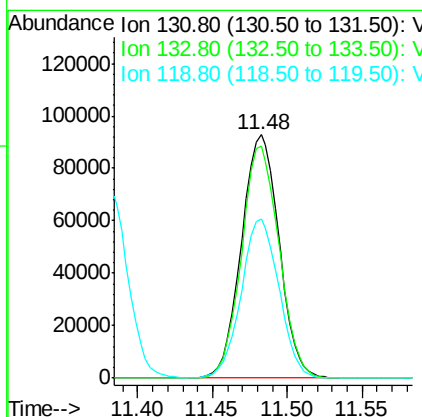
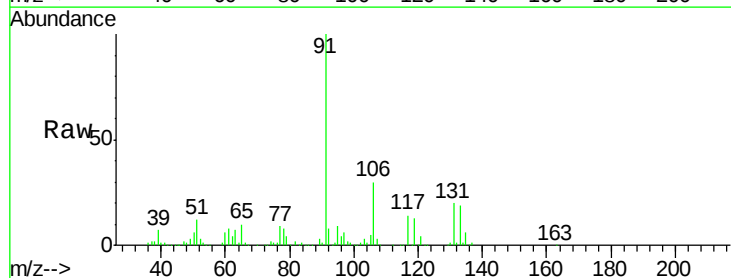
Manual Integrations
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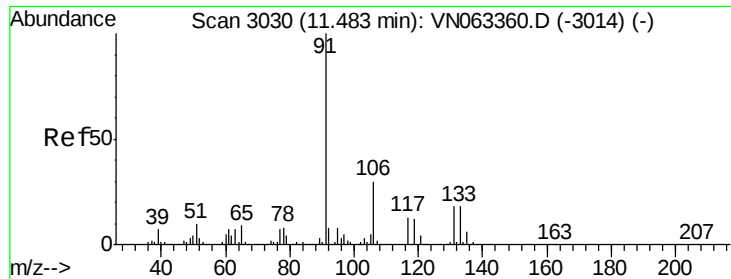
MMDadoda
9/30/2020 1:20:47 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.591 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion:131 Resp: 163468
Ion Ratio Lower Upper
131 100
133 94.9 47.3 141.9
119 65.5 33.6 100.8





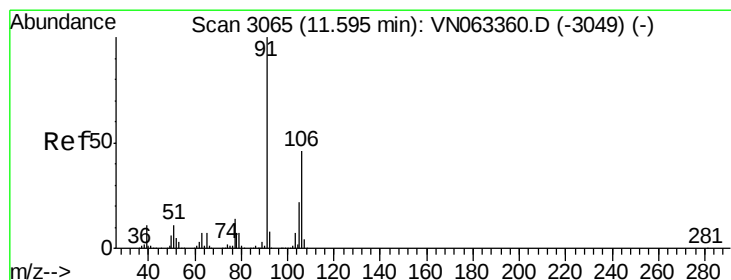
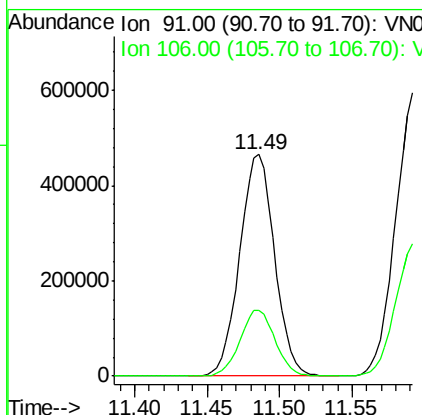
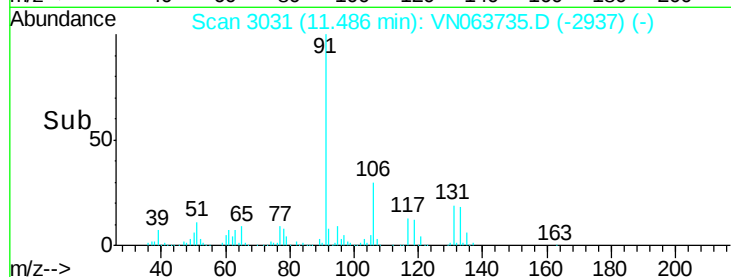
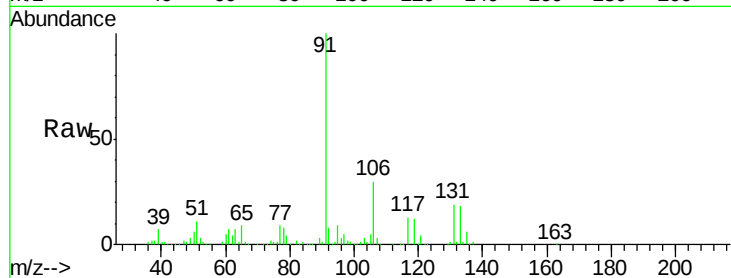
#67
Ethyl Benzene
Concen: 48.713 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 777881
Ion Ratio Lower Upper
91 100
106 30.0 23.8 35.6

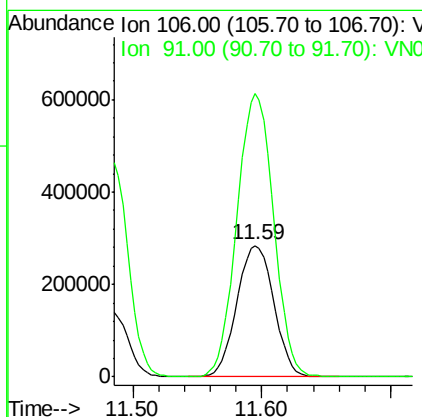
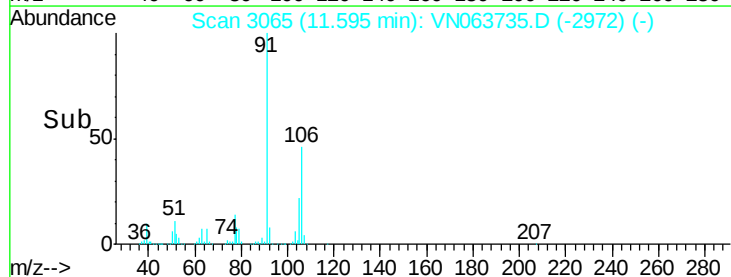
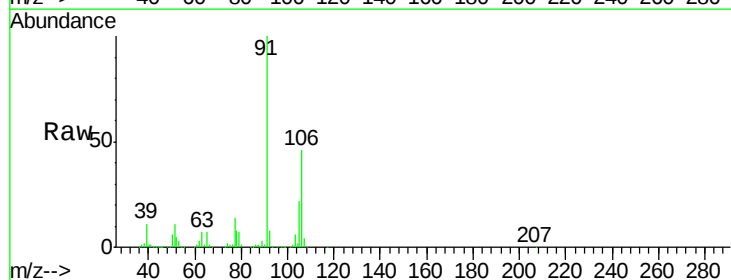
Manual Integrations
APPROVED

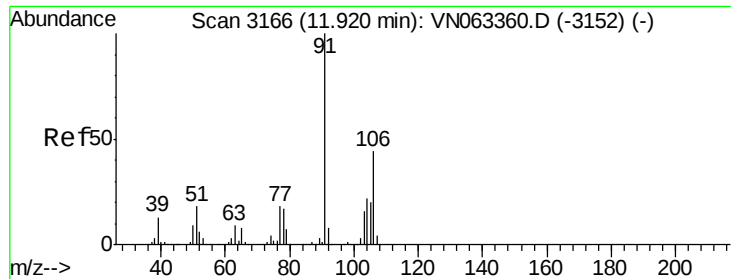
MMDadoda
9/30/2020 1:20:47 PM



#68
m/p-Xylenes
Concen: 98.386 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion: 106 Resp: 566455
Ion Ratio Lower Upper
106 100
91 213.2 171.2 256.8





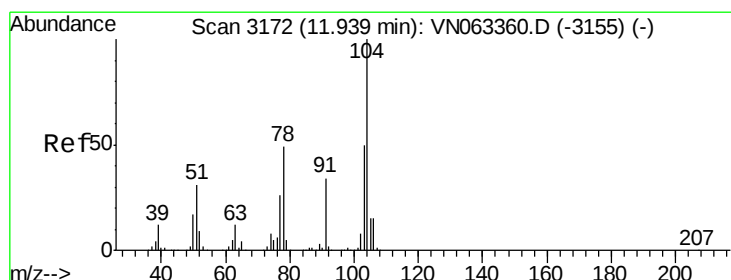
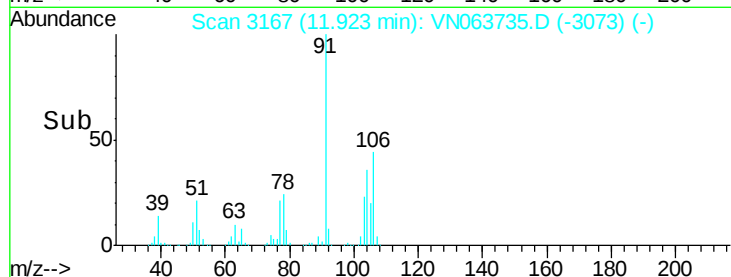
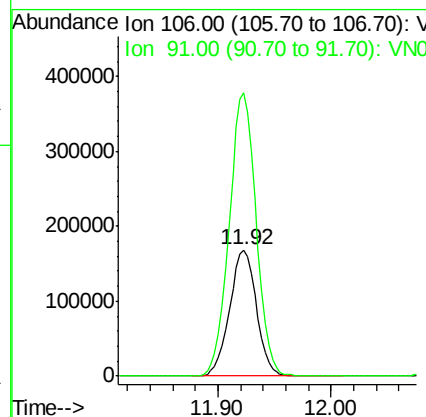
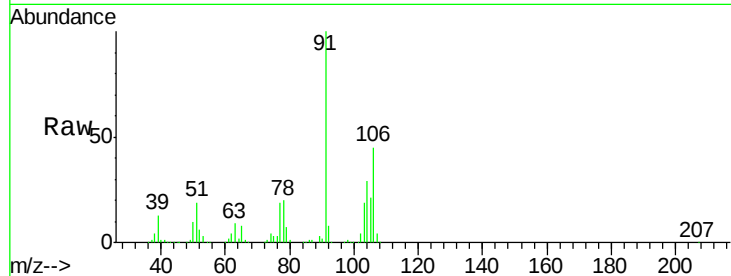
#69
o-Xylene
Concen: 50.782 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		278516		
91	224.8	113.6	340.8		

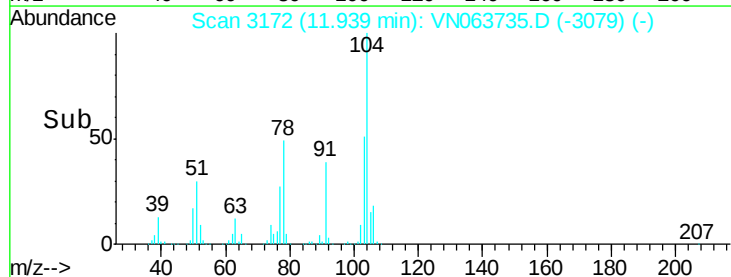
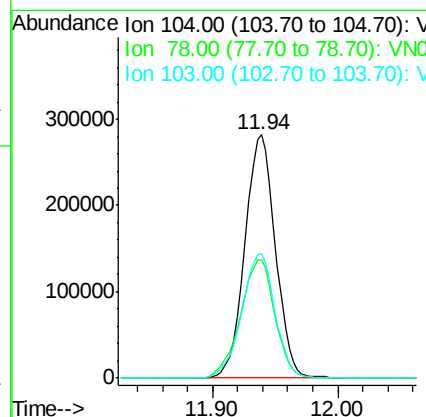
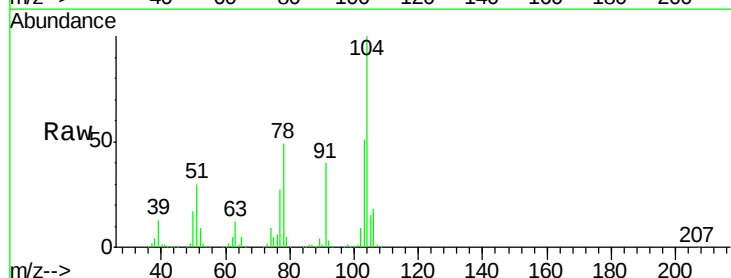
Manual Integrations
APPROVED

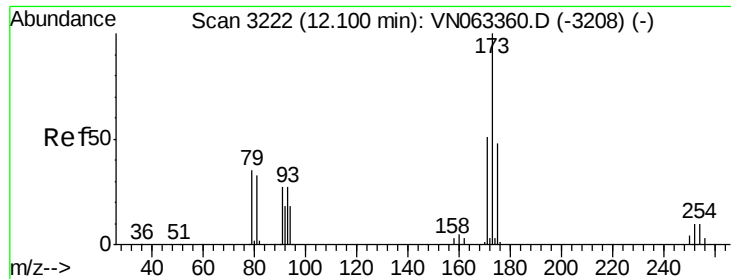
MMDadoda
9/30/2020 1:20:47 PM



#70
Styrene
Concen: 51.842 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		476815		
78	54.7	44.4	66.6		
103	55.7	43.7	65.5		





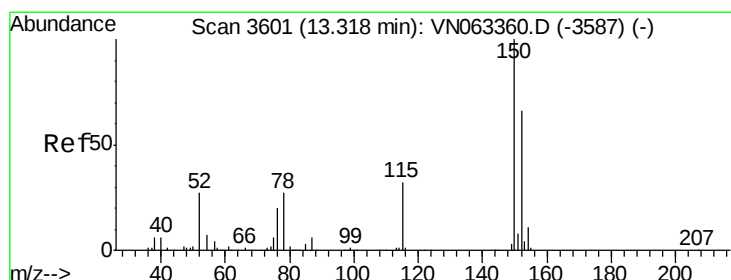
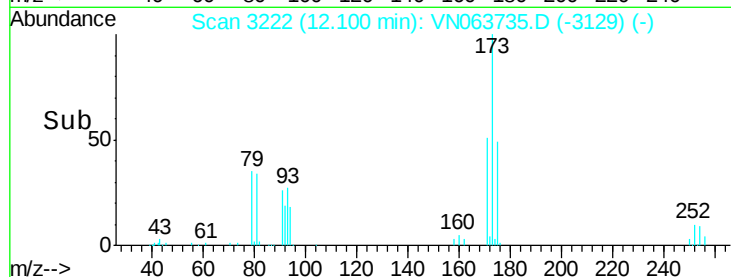
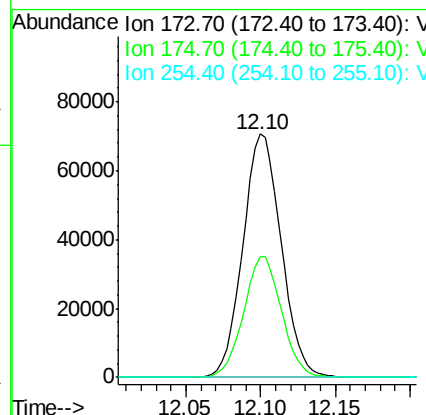
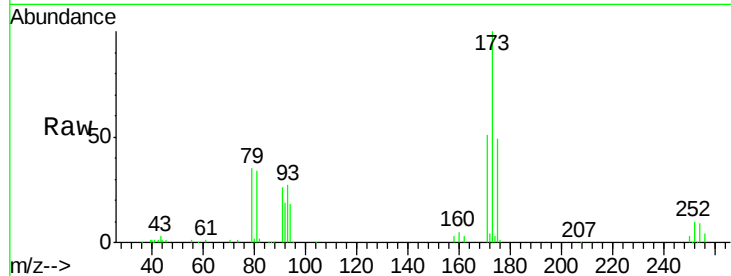
#71
Bromoform
Concen: 54.411 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.0	72.0
254	0.1	0.0	0.0

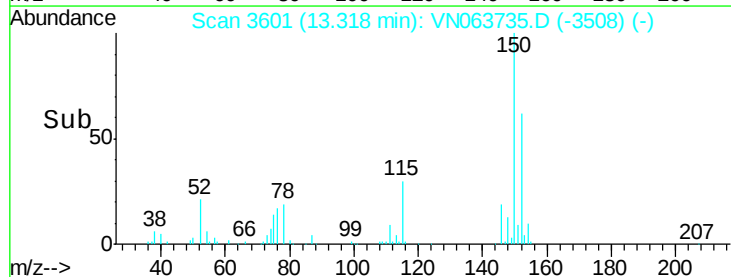
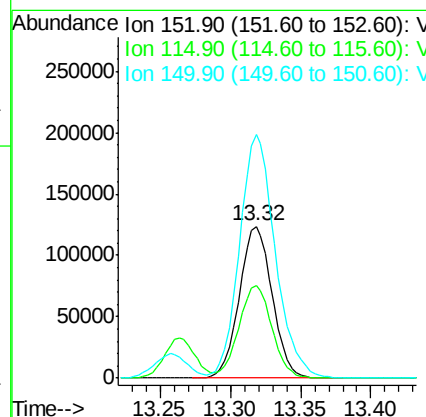
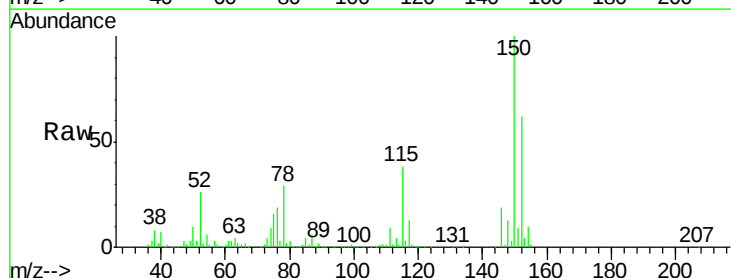
Manual Integrations
APPROVED

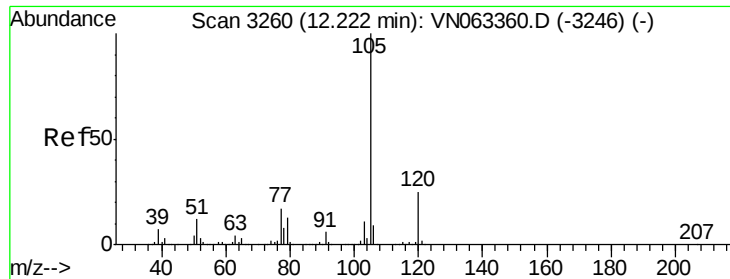
MMDadoda
9/30/2020 1:20:47 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.5	32.2	96.6
150	174.0	0.0	343.4





#73

Isopropylbenzene

Concen: 46.356 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 749531

Ion Ratio Lower Upper

105 100

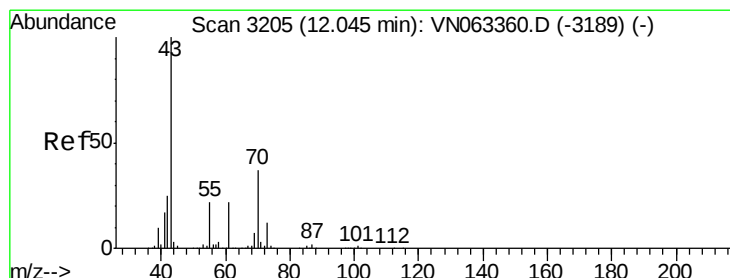
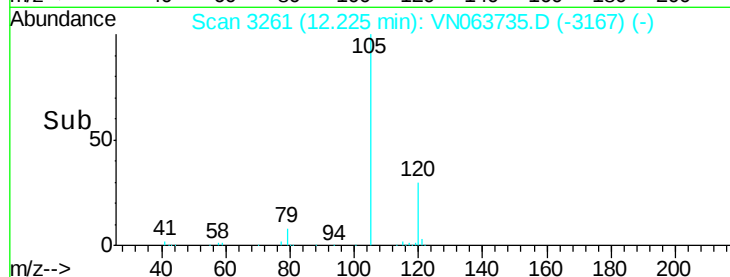
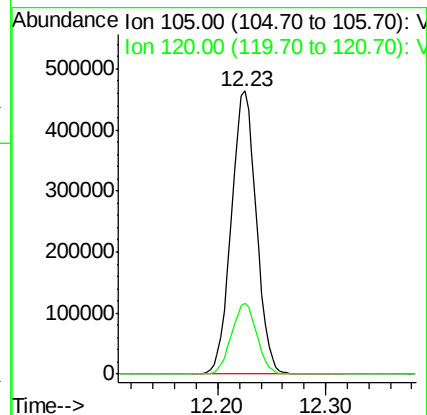
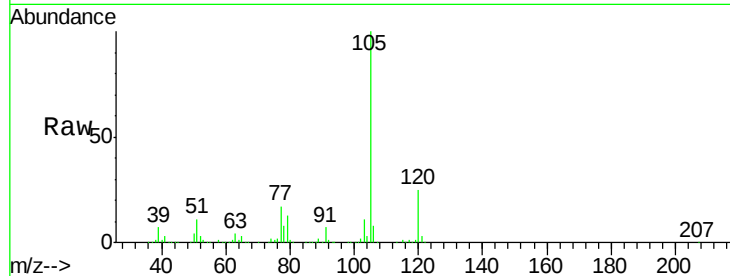
120 25.4 12.7 38.0

Manual Integrations

APPROVED

MMDadoda

9/30/2020 1:20:47 PM



#74

N-ethyl acetate

Concen: 45.425 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Tgt Ion: 43 Resp: 347680

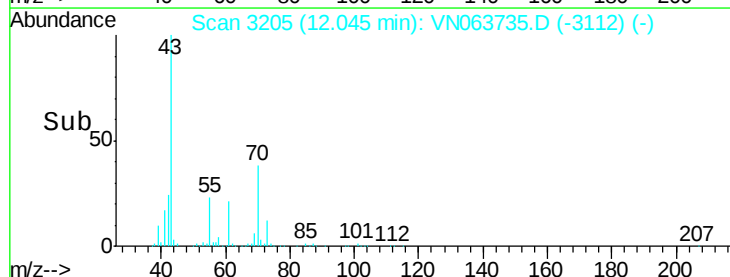
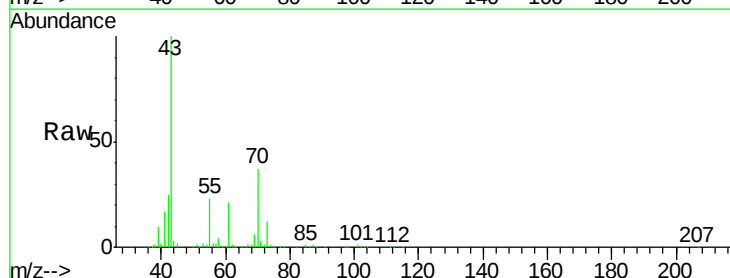
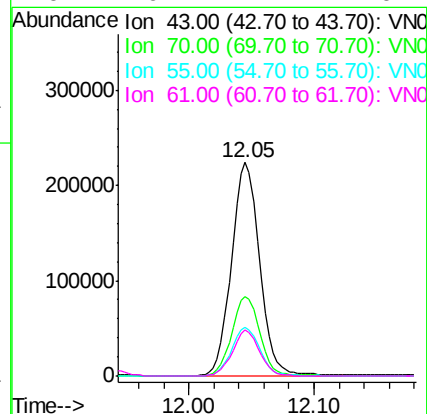
Ion Ratio Lower Upper

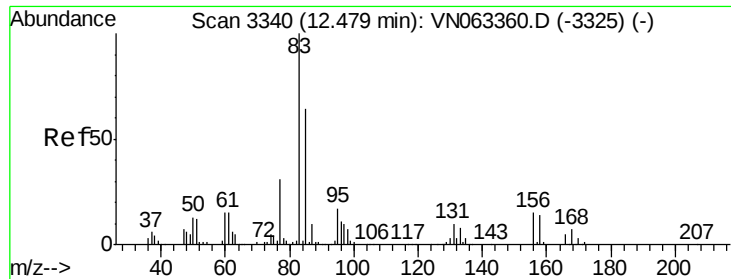
43 100

70 37.3 29.6 44.4

55 23.0 17.7 26.5

61 20.7 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 46.843 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

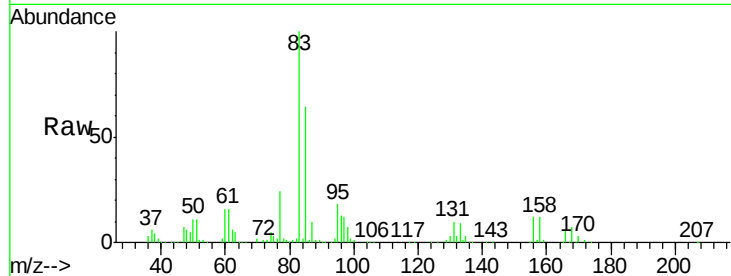
ClientSampleId :

VSTDCCC050EC

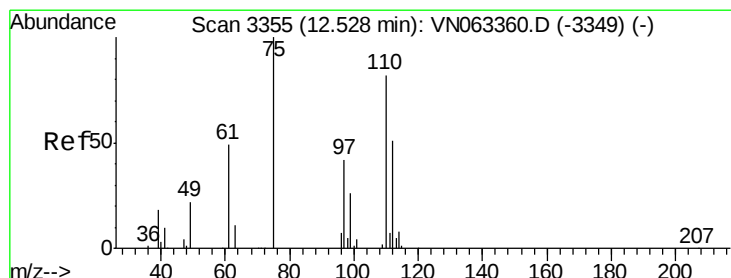
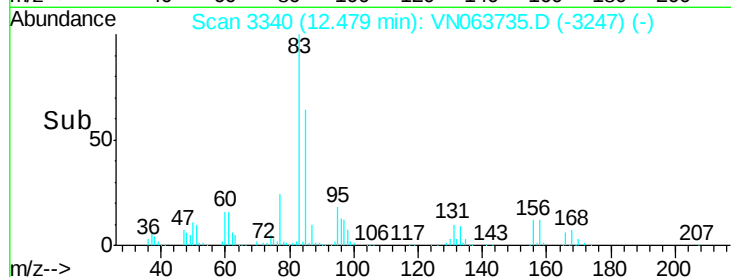
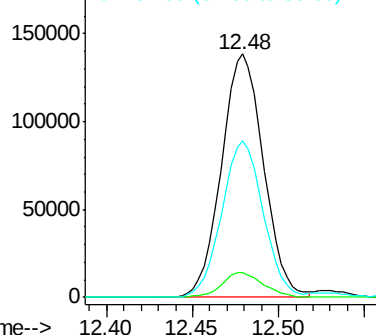
Tot Ion:	83	Resp:	234515
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	63.3	32.0	96.0

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Abundance Ion 82.90 (82.60 to 83.60): VN063735.D (-3247) (-)



#76

1,2,3-Trichloropropane

Concen: 44.604 ug/l m

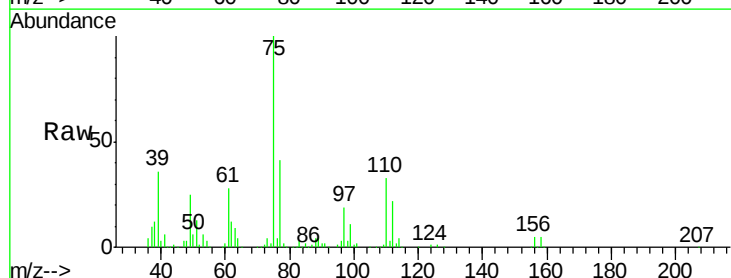
RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

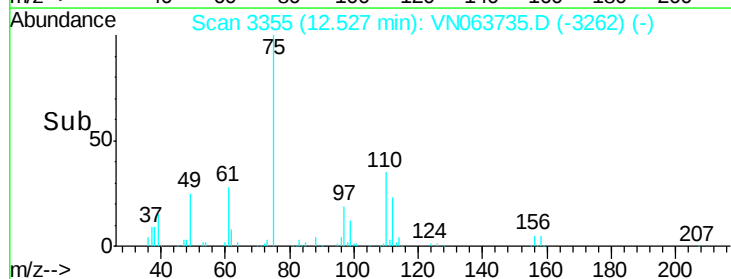
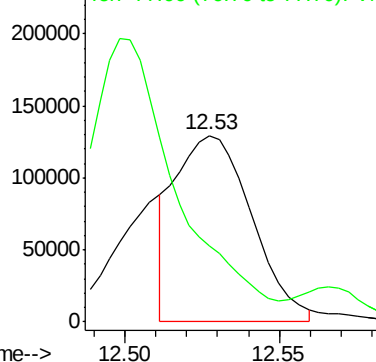
Lab File: VN063735.D

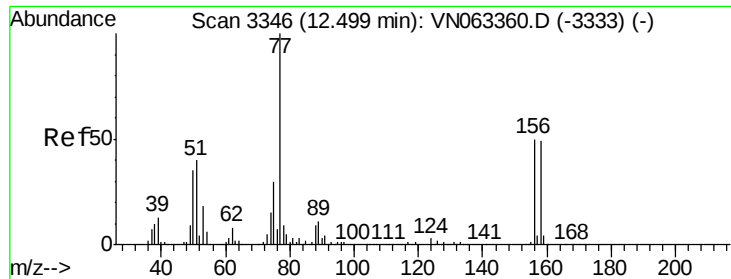
Acq: 29 Sep 2020 18:39

Tgt Ion:	75	Resp:	222763
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN063735.D (-3262) (-)





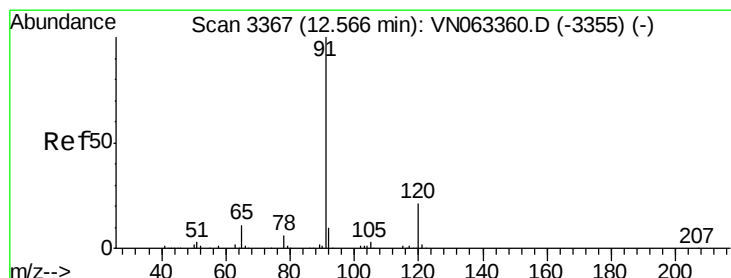
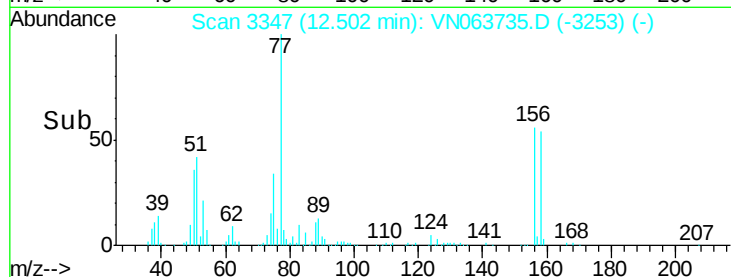
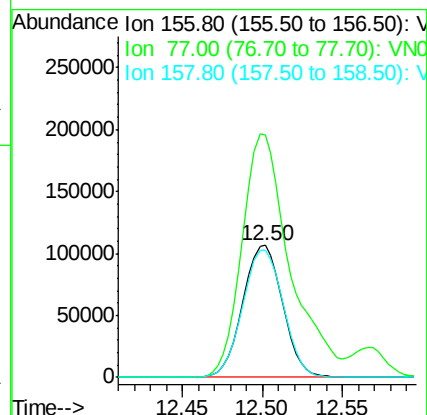
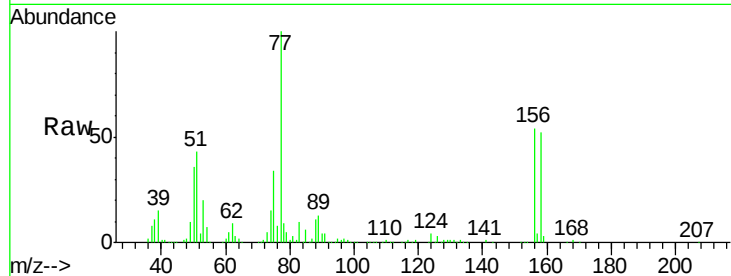
#77
Bromobenzene
Concen: 49.813 ug/l
RT: 12.50 min Scan# 3347
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	222.4	120.2	360.6	
158	98.8	48.9	146.6	

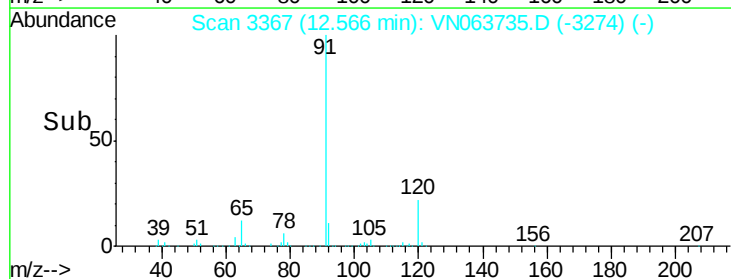
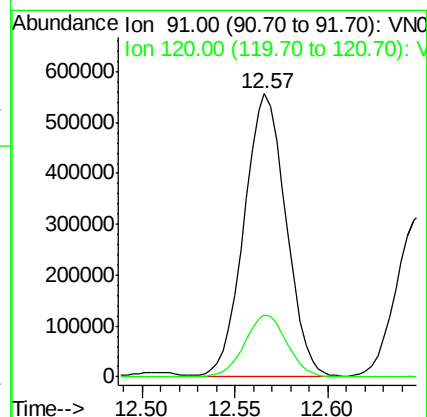
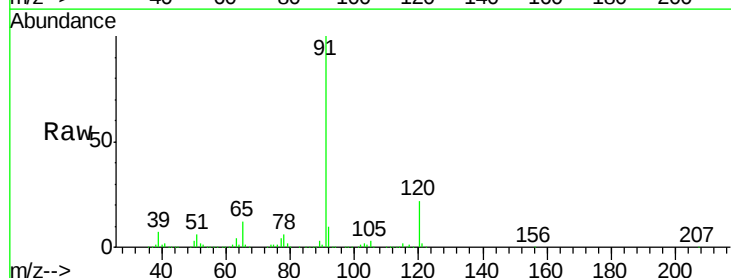
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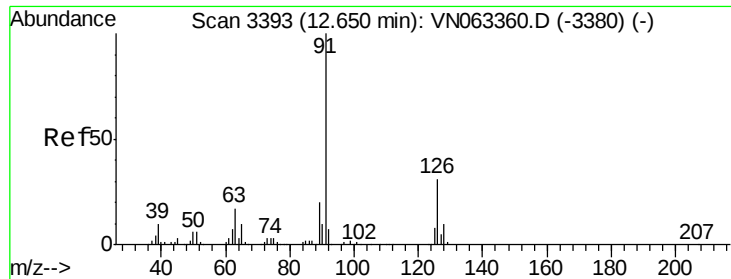
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#78
n-propylbenzene
Concen: 45.979 ug/l
RT: 12.57 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.4	10.8	32.3	





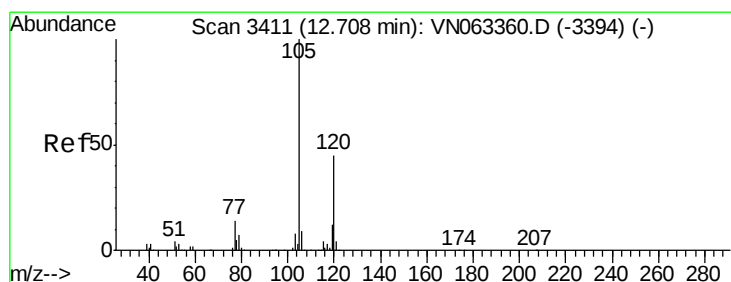
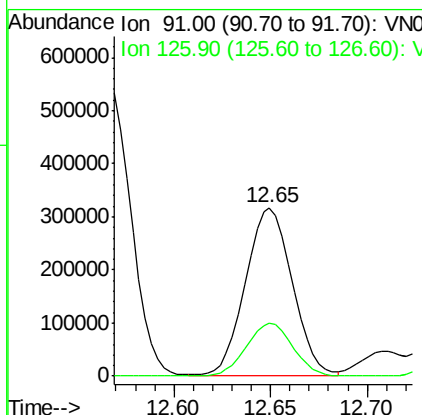
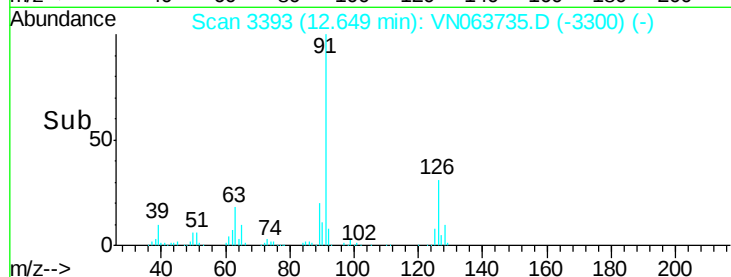
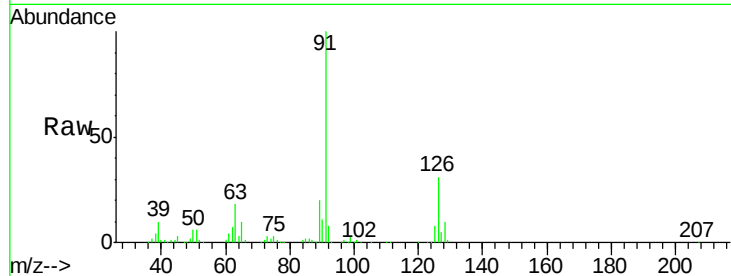
#79
 2-Chlorotoluene
 Concen: 46.839 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 528767
 Ion Ratio Lower Upper
 91 100
 126 31.6 15.8 47.3

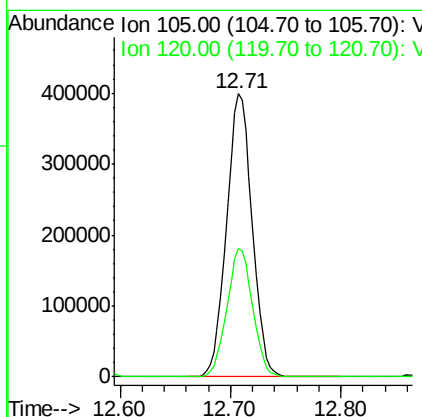
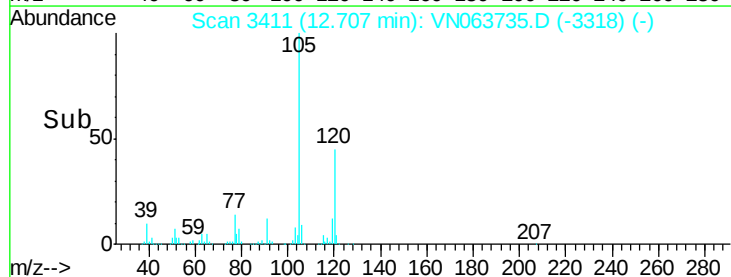
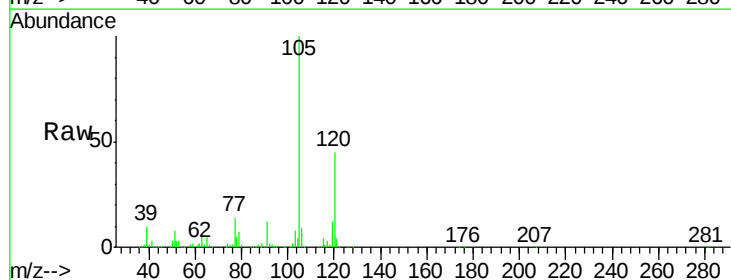
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#80
 1,3,5-Trimethylbenzene
 Concen: 47.476 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Tgt Ion: 105 Resp: 640113
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.8





#81

trans-1,4-Dichloro-2-butene

Concen: 43.611 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 79443

Ion Ratio Lower Upper

75 100

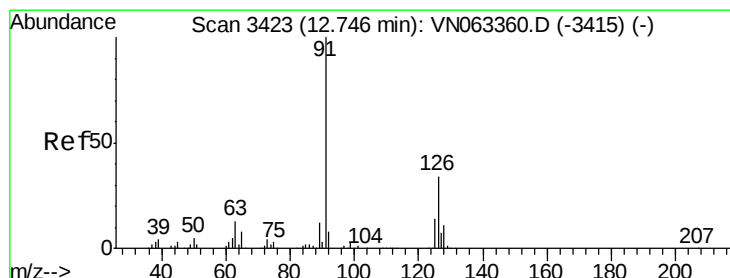
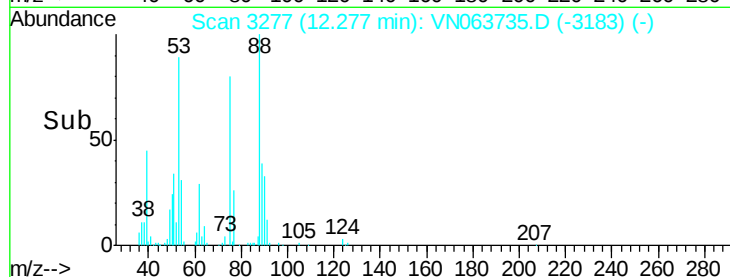
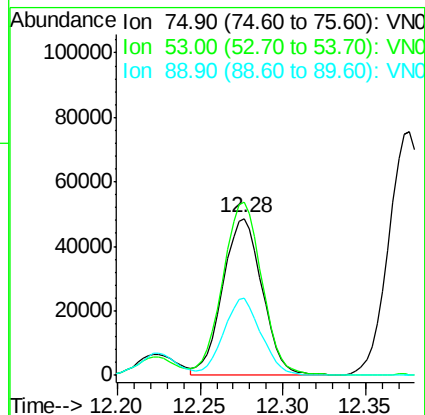
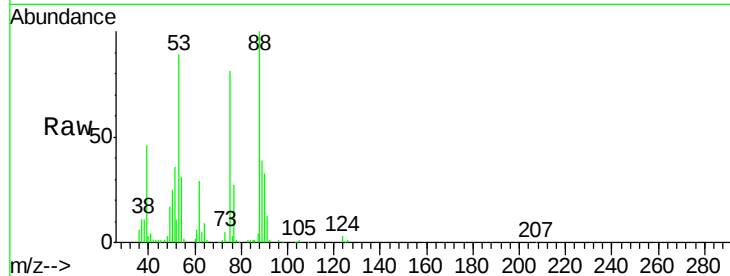
53 111.0 85.7 128.5

89 47.3 38.0 57.0

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#82

4-Chlorotoluene

Concen: 46.109 ug/l

RT: 12.75 min Scan# 3424

Delta R.T. 0.00 min

Lab File: VN063735.D

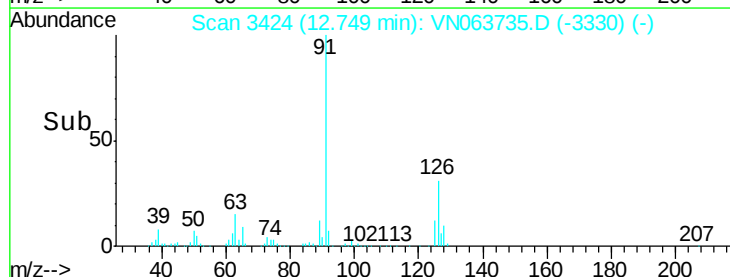
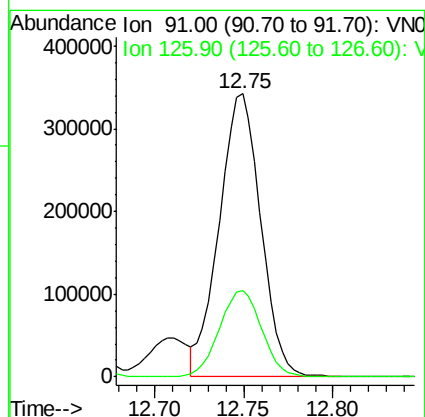
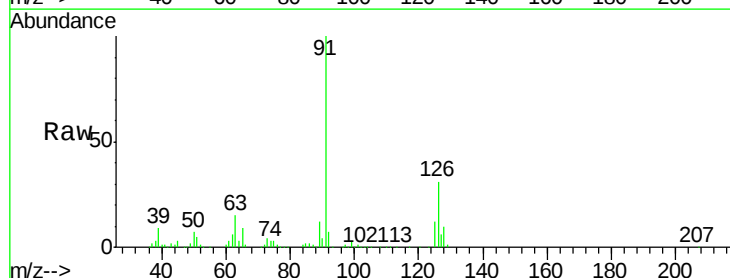
Acq: 29 Sep 2020 18:39

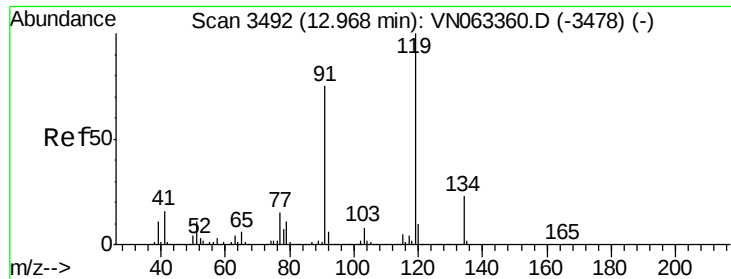
Tgt Ion: 91 Resp: 549976

Ion Ratio Lower Upper

91 100

126 31.2 15.5 46.5





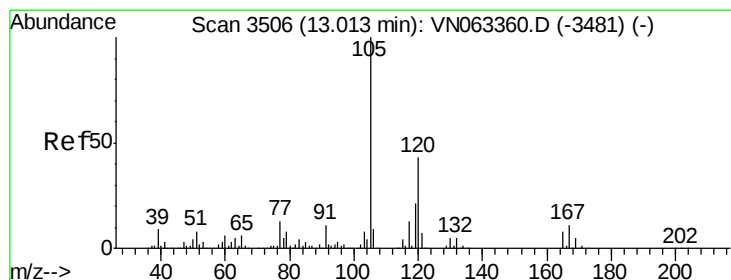
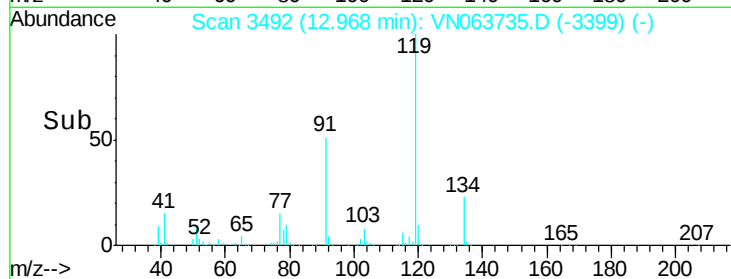
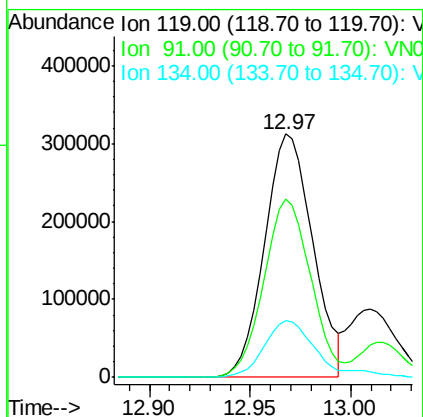
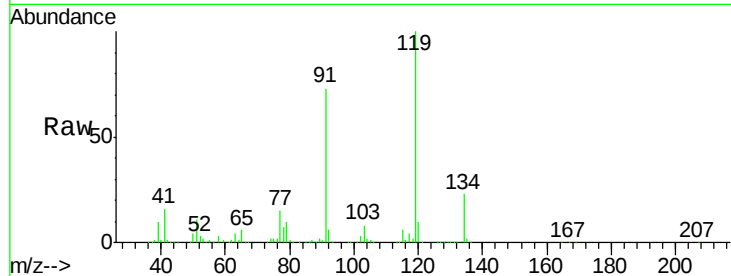
#83
 tert-Butylbenzene
 Concen: 46.707 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	519755		
91	71.1	36.3	108.9	
134	25.4	12.3	36.8	

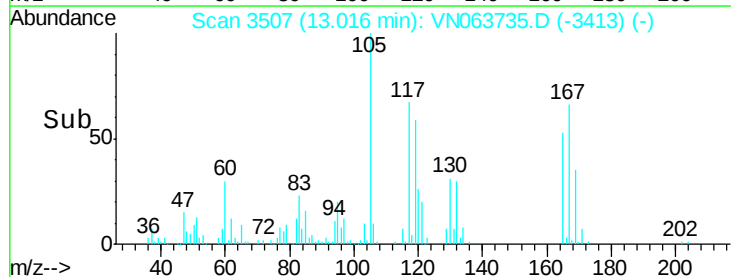
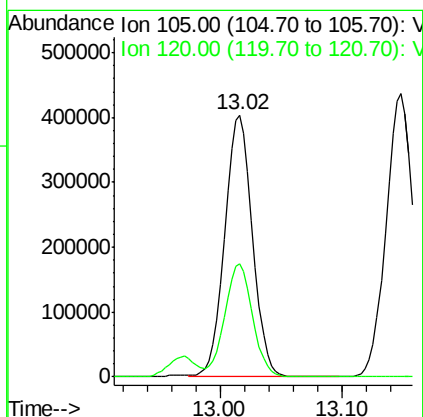
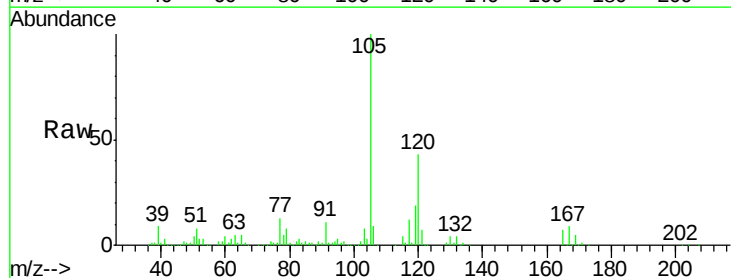
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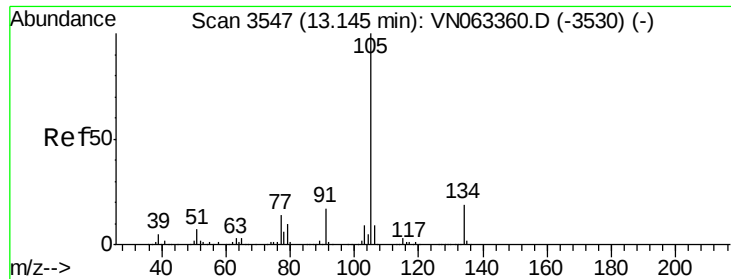
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.125 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	641785		
120	43.2	21.3	63.9	





#85

sec-Butylbenzene

Concen: 46.276 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 689300

Ion Ratio Lower Upper

105 100

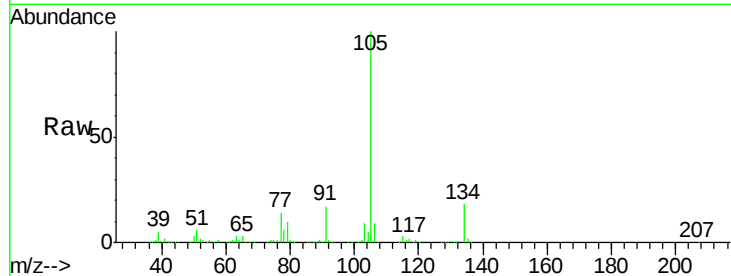
134 18.8 9.3 27.7

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

400000

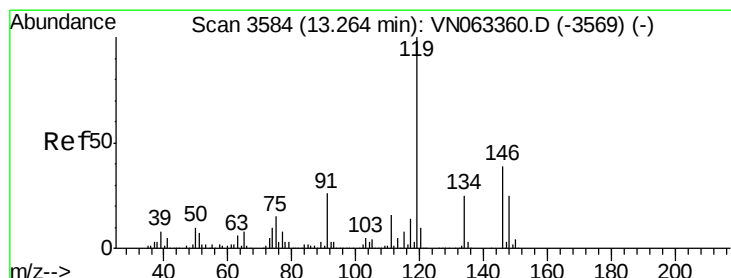
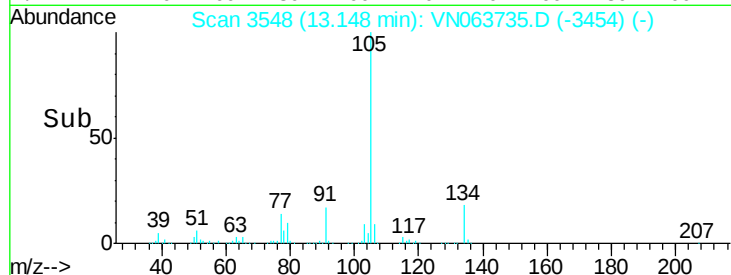
300000

200000

100000

0

Time--> 13.05 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 47.169 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

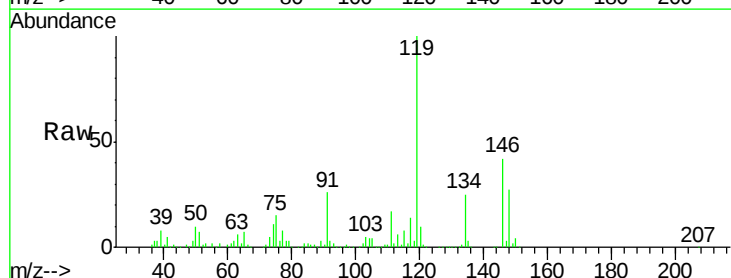
Tgt Ion:119 Resp: 619713

Ion Ratio Lower Upper

119 100

134 25.2 12.5 37.5

91 26.5 13.4 40.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

400000

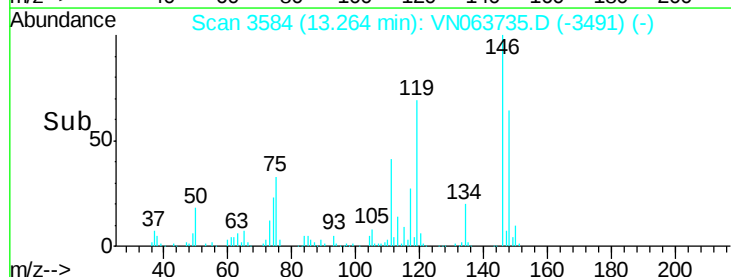
300000

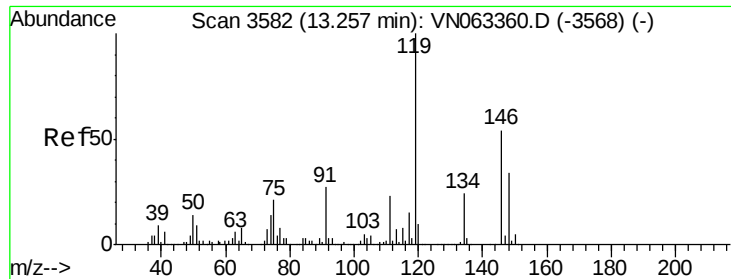
200000

100000

0

Time--> 13.20 13.25 13.30





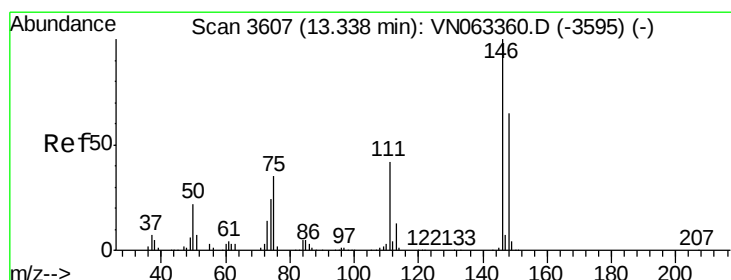
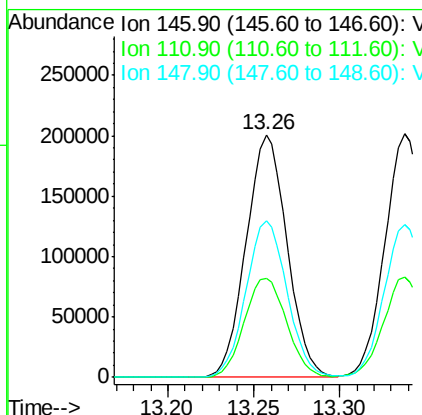
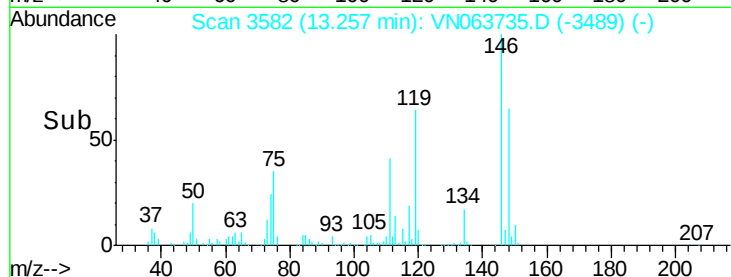
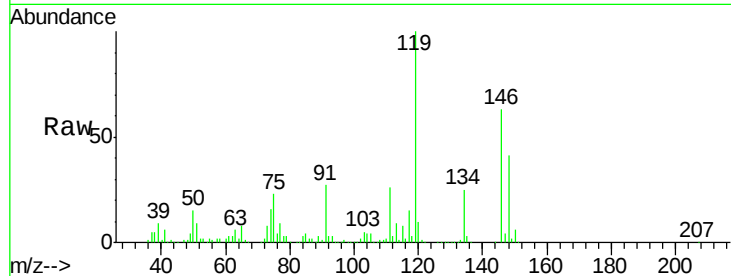
#87
 1,3-Dichlorobenzene
 Concen: 49.120 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	331132		
111	42.3	21.4	64.3	
148	64.6	31.9	95.7	

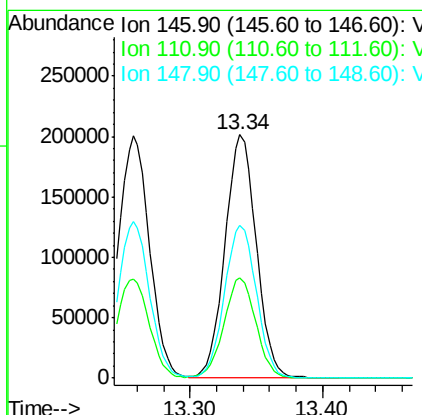
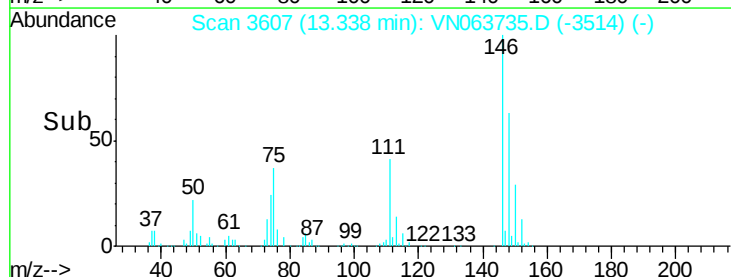
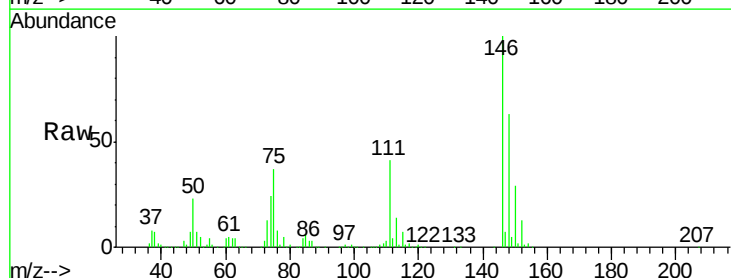
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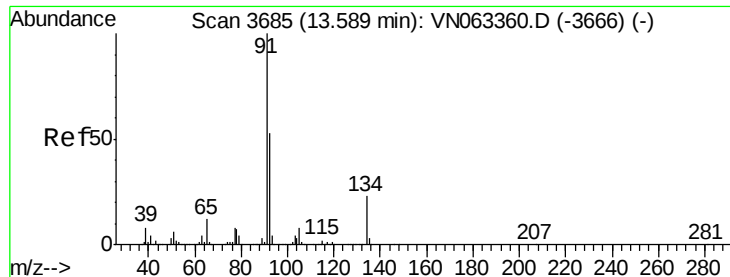
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#88
 1,4-Dichlorobenzene
 Concen: 48.058 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	329381		
111	41.8	21.2	63.6	
148	64.2	31.9	95.9	





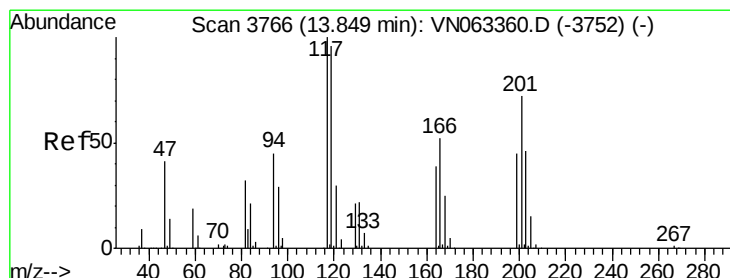
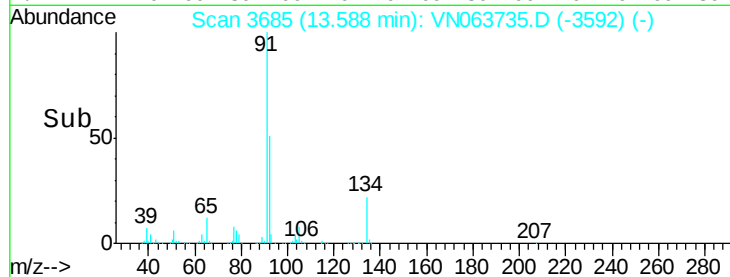
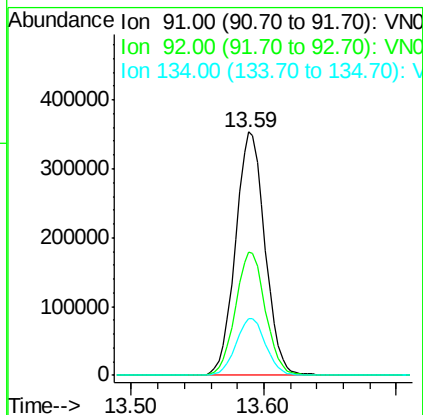
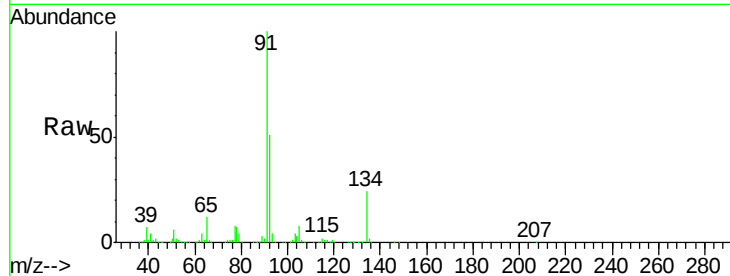
#89
n-Butylbenzene
Concen: 44.932 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	26.0	78.0
134	23.6	11.7	35.0

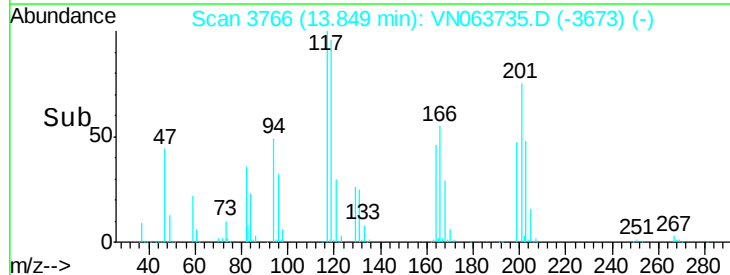
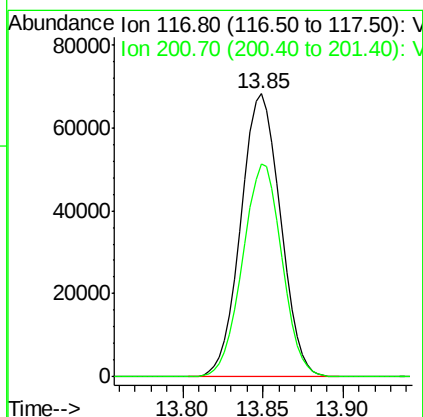
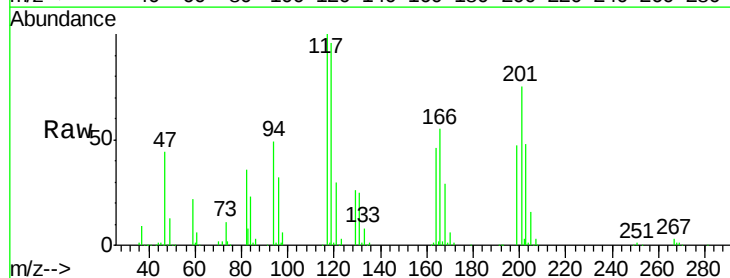
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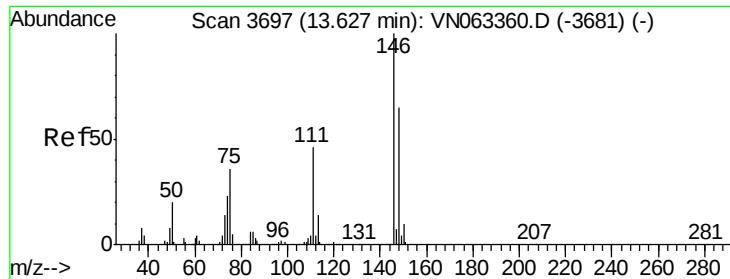
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#90
Hexachloroethane
Concen: 46.015 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	35.5	106.7





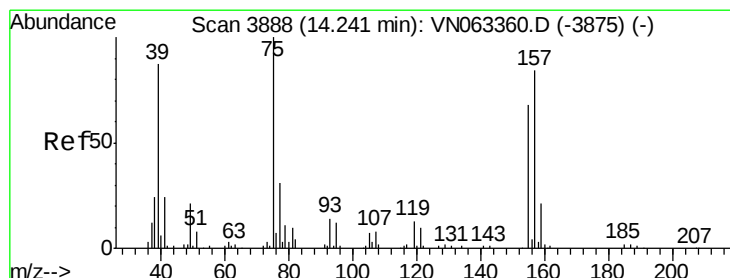
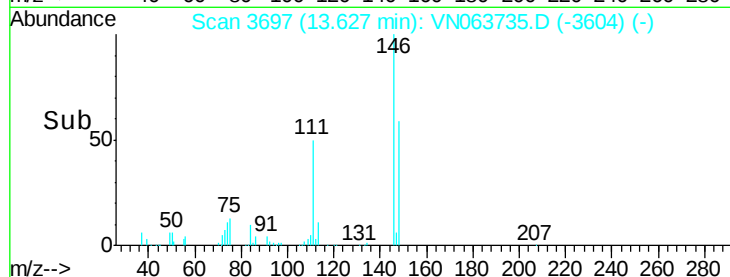
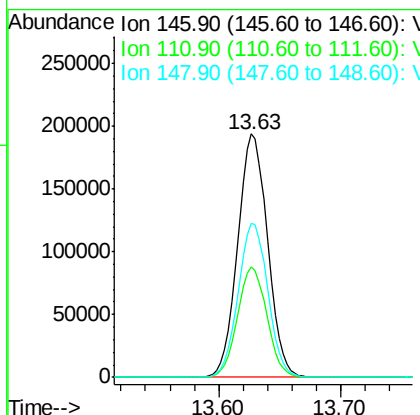
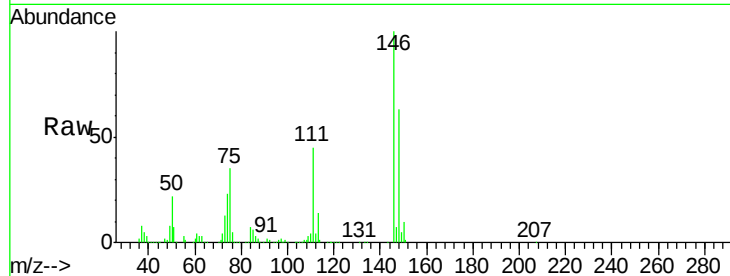
#91
 1,2-Dichlorobenzene
 Concen: 49.493 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.4	67.2
148	62.8	32.0	96.0

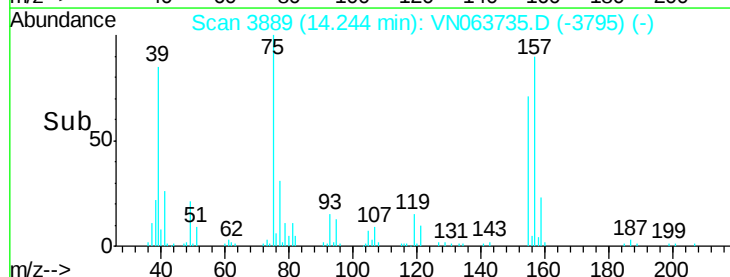
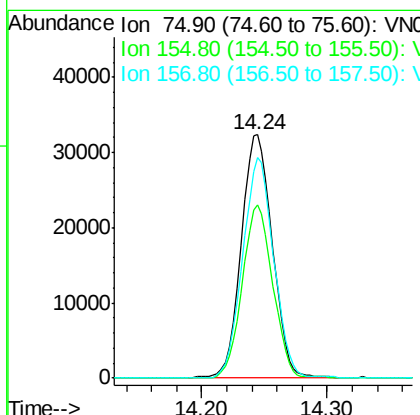
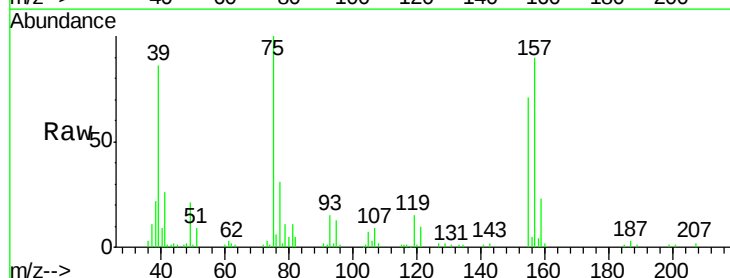
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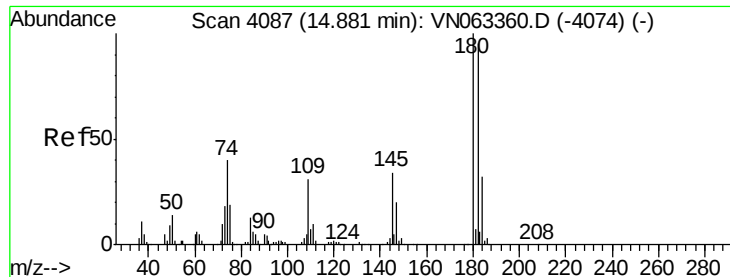
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.900 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063735.D
 Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.4	34.6	103.9
157	90.1	43.7	131.1





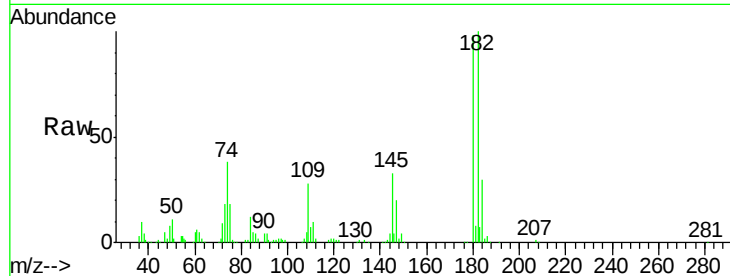
#93
1,2,4-Trichlorobenzene
Concen: 44.740 ug/l
RT: 14.88 min Scan# 4088
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

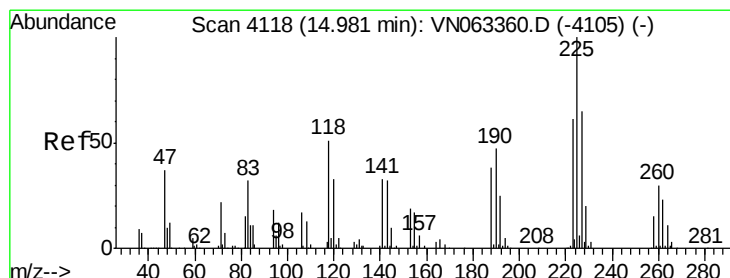
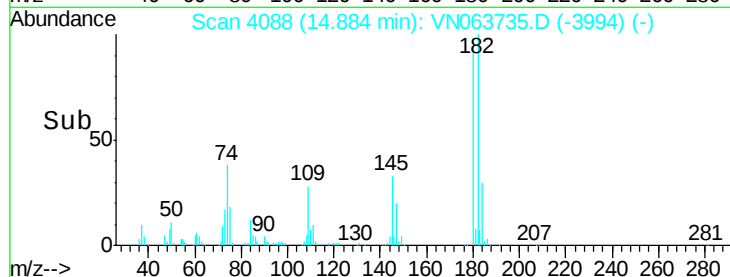
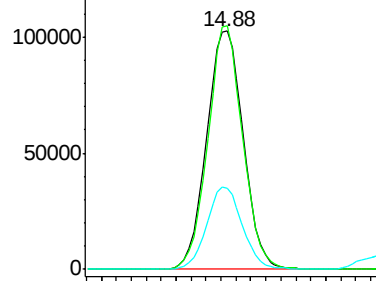
Tot Ion	Ratio	Resp	Lower	Upper
180	100	174567		
182	96.8	47.3	142.0	
145	33.6	16.6	49.7	

Manual Integrations
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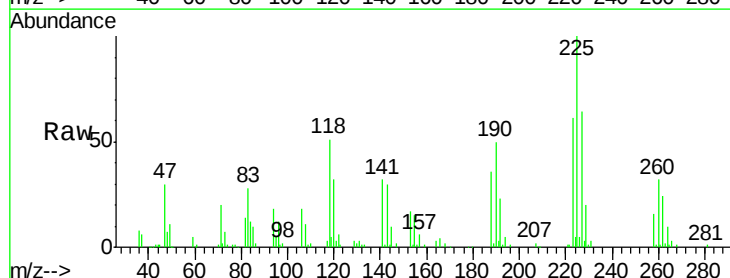


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

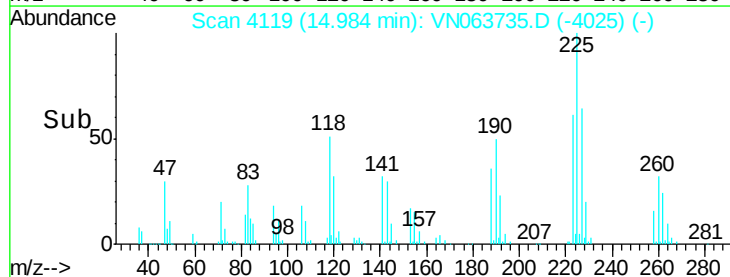
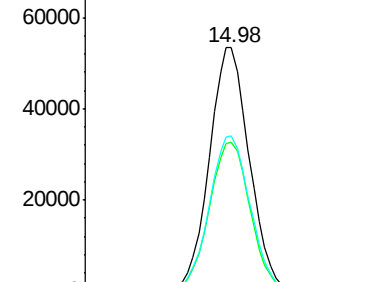


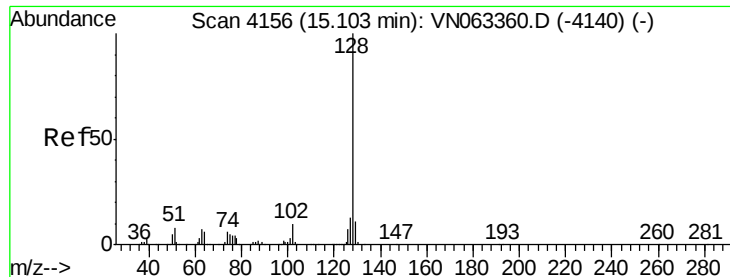
#94
Hexachlorobutadiene
Concen: 53.532 ug/l
RT: 14.98 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN063735.D
Acq: 29 Sep 2020 18:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	86470		
223	62.6	30.6	91.6	
227	65.4	31.2	93.6	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 42.431 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Instrument :

MSVOA_N

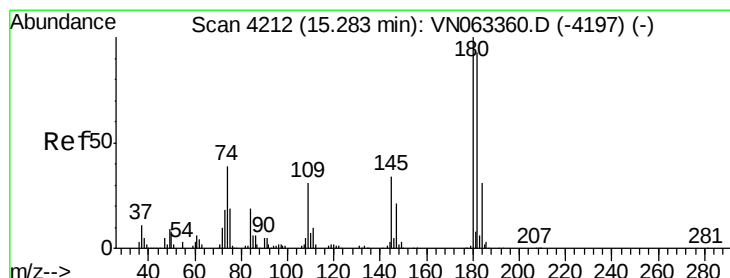
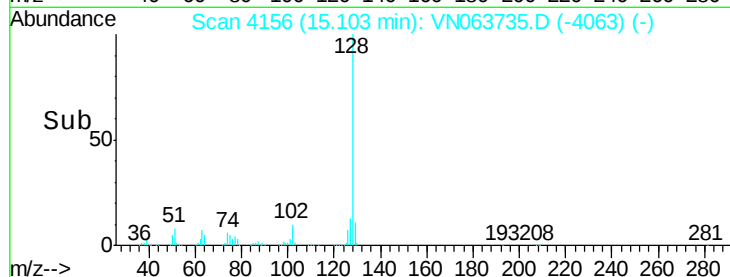
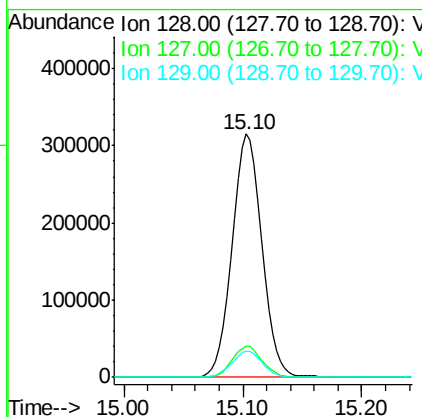
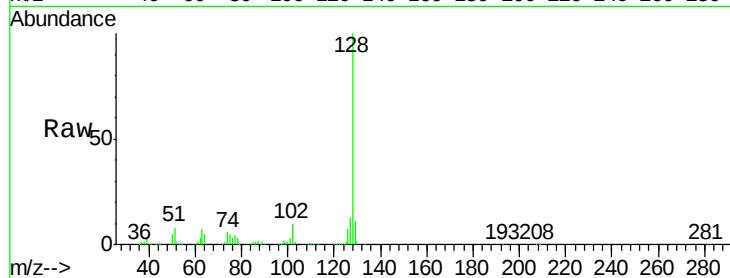
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	546967
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	15.8
129	11.0	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 44.529 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN063735.D

Acq: 29 Sep 2020 18:39

Tgt Ion:	180	Resp:	167875
Ion Ratio	Lower	Upper	
180	100		
182	96.3	46.7	140.1
145	34.6	16.8	50.3

