

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063696.D
 Acq On : 25 Sep 2020 22:18
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/29/2020 10:41:17 AM

Quant Time: Sep 28 03:28:26 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	218599	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	388002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	359357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	174693	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	211166	56.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.50%	
35) Dibromofluoromethane	7.55	113	142473	53.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.08%	
50) Toluene-d8	10.06	98	492563	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.38	95	188047	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	102540	41.405	ug/l	100
3) Chloromethane	2.04	50	140486	42.881	ug/l	97
4) Vinyl Chloride	2.16	62	136484	47.021	ug/l	98
5) Bromomethane	2.53	94	89164	51.737	ug/l	99
6) Chloroethane	2.67	64	91573	51.395	ug/l	98
7) Trichlorofluoromethane	2.98	101	209919	48.472	ug/l	98
8) Diethyl Ether	3.38	74	86400	51.178	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.72	101	109941	45.141	ug/l	98
10) Methyl Iodide	3.91	142	152274	48.023	ug/l	96
11) Tert butyl alcohol	4.73	59	123341	239.261	ug/l	99
12) 1,1-Dichloroethene	3.70	96	111185	45.071	ug/l	96
13) Acrolein	3.56	56	32324	169.200	ug/l	97
14) Allyl chloride	4.28	41	223923	45.890	ug/l	95
15) Acrylonitrile	4.93	53	355432	271.057	ug/l	99
16) Acetone	3.78	43	326360	272.897	ug/l	98
17) Carbon Disulfide	4.02	76	282334	39.347	ug/l	100
18) Methyl Acetate	4.28	43	175992	57.969	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	473624	51.514	ug/l	97
20) Methylene Chloride	4.51	84	150624	49.711	ug/l	97
21) trans-1,2-Dichloroethene	4.99	96	126305	46.213	ug/l	97
22) Diisopropyl ether	5.90	45	512185	51.467	ug/l	99
23) Vinyl Acetate	5.85	43	2161561	264.476	ug/l	100
24) 1,1-Dichloroethane	5.80	63	271767	50.020	ug/l	100
25) 2-Butanone	6.78	43	501054	272.418	ug/l	100
26) 2,2-Dichloropropane	6.78	77	194040	40.564	ug/l	97
27) cis-1,2-Dichloroethene	6.78	96	155795	50.362	ug/l	98
28) Bromochloromethane	7.15	49	143088	57.038	ug/l	97
29) Tetrahydrofuran	7.17	42	329663	262.431	ug/l	98
30) Chloroform	7.33	83	289768	53.158	ug/l	97
31) Cyclohexane	7.62	56	189962	36.963	ug/l	99
32) 1,1,1-Trichloroethane	7.53	97	235427	48.559	ug/l	100
36) 1,1-Dichloropropene	7.76	75	179635	43.457	ug/l	99
37) Ethyl Acetate	6.88	43	214639	52.906	ug/l	98
38) Carbon Tetrachloride	7.74	117	198469	47.035	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	169238	37.723	ug/l	98
40) Benzene	8.00	78	572688	48.533	ug/l	99
41) Methacrylonitrile	7.13	41	111837m	61.292	ug/l	
42) 1,2-Dichloroethane	8.09	62	254717	53.677	ug/l	98
43) Isopropyl Acetate	8.13	43	366149	50.474	ug/l	98
44) Trichloroethene	8.80	130	136142	47.568	ug/l	96
45) 1,2-Dichloropropane	9.09	63	162352	50.517	ug/l	98
46) Dibromomethane	9.18	93	113481	53.724	ug/l	99
47) Bromodichloromethane	9.37	83	230393	52.503	ug/l	100
48) Methyl methacrylate	9.17	41	179454	50.351	ug/l	95
49) 1,4-Dioxane	9.17	88	49763	972.949	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	1125877	277.228	ug/l	99
52) Toluene	10.13	92	344973	48.625	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	239558	48.900	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	250536	48.484	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	155471	55.171	ug/l	99
56) Ethyl methacrylate	10.40	69	230200	52.328	ug/l	98
57) 1,3-Dichloropropane	10.68	76	264304	52.010	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.67	63	568327	246.271	ug/l	99
59) 2-Hexanone	10.72	43	823470	279.880	ug/l	100
60) Dibromochloromethane	10.87	129	174155	54.704	ug/l	99
61) 1,2-Dibromoethane	10.98	107	156987	53.622	ug/l	99
64) Tetrachloroethene	10.60	164	123415	50.436	ug/l	97
65) Chlorobenzene	11.41	112	361797	47.429	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	145949	52.196	ug/l	99
67) Ethyl Benzene	11.49	91	662877	46.145	ug/l	99
68) m/p-Xylenes	11.59	106	485094	93.658	ug/l	99
69) o-Xylene	11.92	106	234997	47.629	ug/l	100
70) Styrene	11.94	104	414438	50.089	ug/l	99
71) Bromoform	12.10	173	112847	54.173	ug/l #	98
73) Isopropylbenzene	12.23	105	618529	44.184	ug/l	99
74) N-amyl acetate	12.05	43	326554	49.279	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	221649	51.136	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	211907m	49.008	ug/l	
77) Bromobenzene	12.50	156	154138	48.949	ug/l	99
78) n-propylbenzene	12.57	91	722313	44.301	ug/l	100
79) 2-Chlorotoluene	12.65	91	445590	45.590	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	535854	45.904	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	73181	46.401	ug/l	95
82) 4-Chlorotoluene	12.75	91	469851	45.498	ug/l	100
83) tert-Butylbenzene	12.97	119	426093	44.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	541458	45.921	ug/l	99
85) sec-Butylbenzene	13.15	105	562483	43.616	ug/l	100
86) p-Isopropyltoluene	13.26	119	508419	44.697	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	279028	47.807	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	275433	46.416	ug/l	99
89) n-Butylbenzene	13.59	91	445009	42.444	ug/l	98
90) Hexachloroethane	13.85	117	92959	42.919	ug/l	98
91) 1,2-Dichlorobenzene	13.63	146	283913	49.547	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	52167	50.542	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	145690	43.128	ug/l	100
94) Hexachlorobutadiene	14.98	225	67448	48.229	ug/l	100
95) Naphthalene	15.10	128	491418	44.031	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	140961	43.187	ug/l	97

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

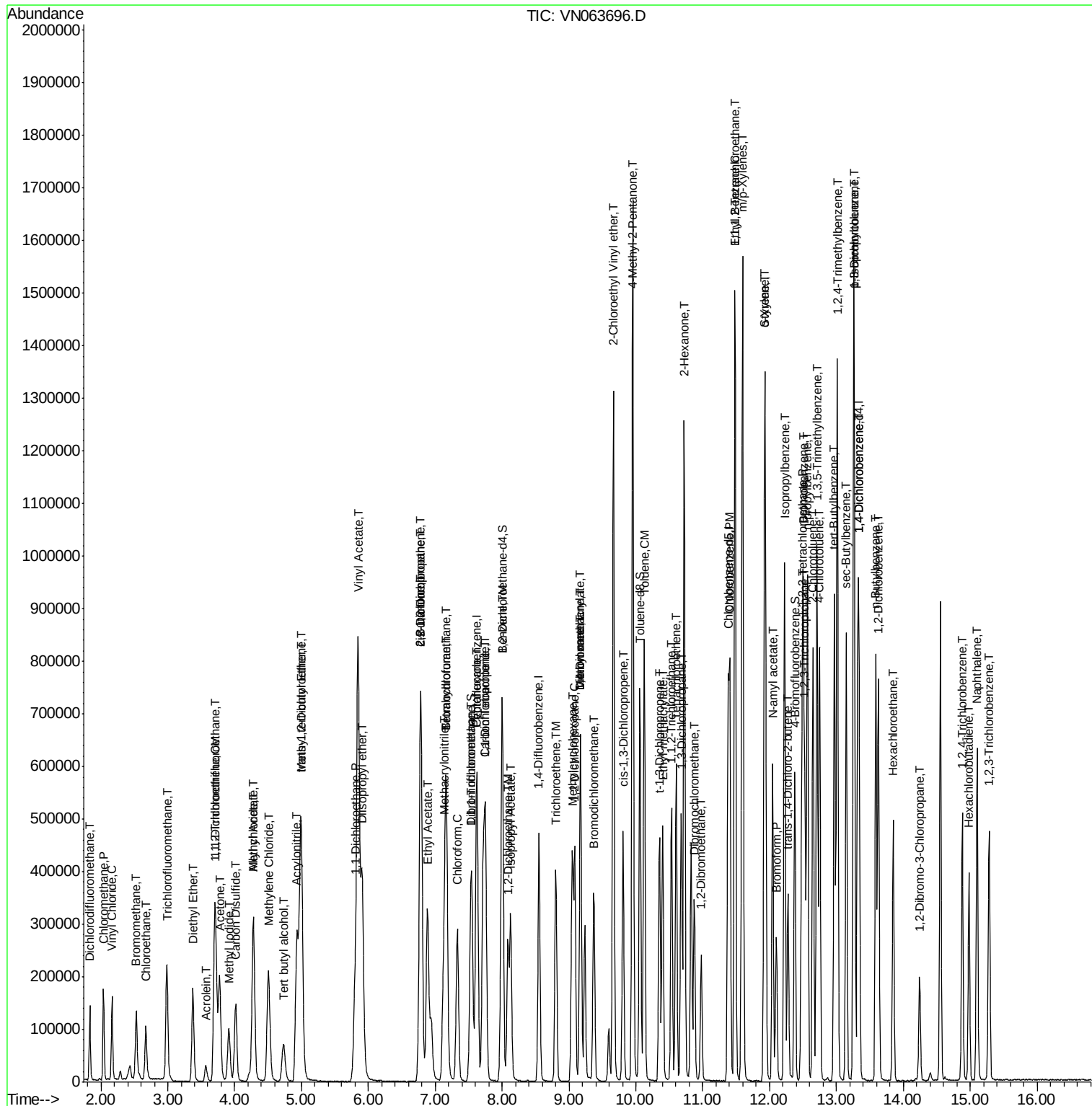
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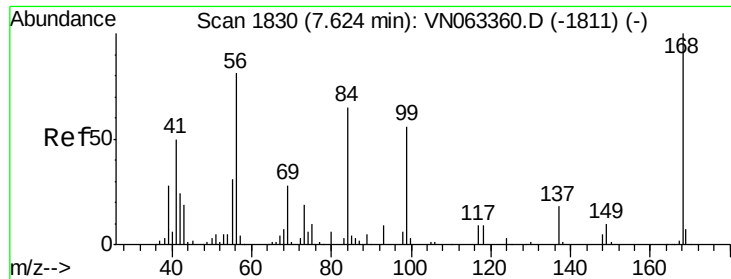
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 218599

Ion Ratio Lower Upper

168 100

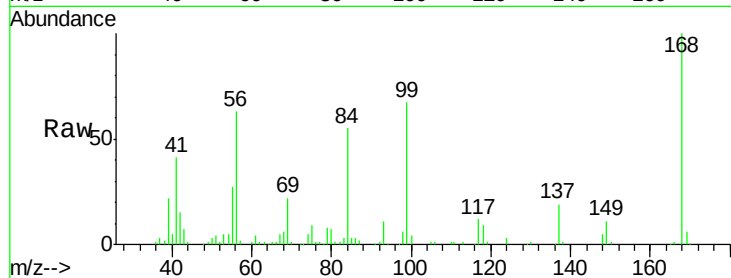
99 66.3 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

60000

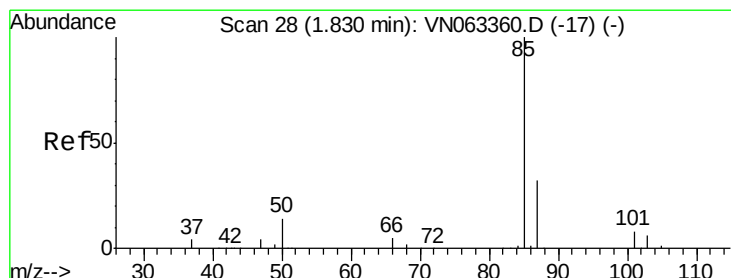
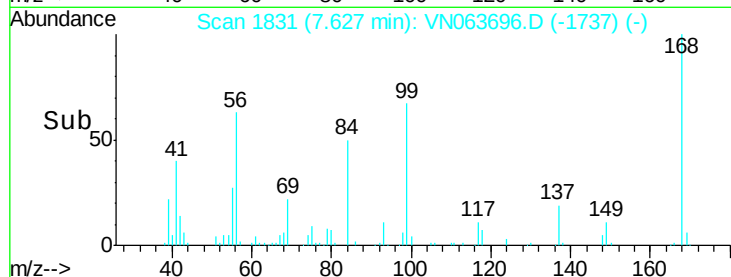
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 41.405 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063696.D

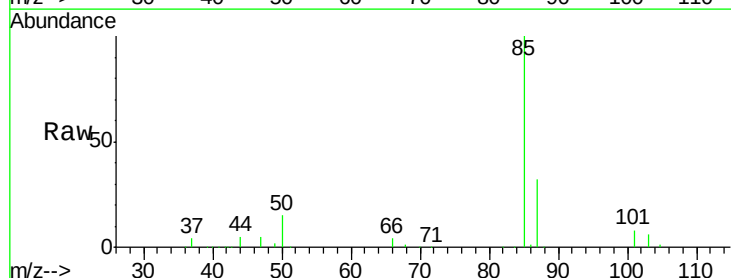
Acq: 25 Sep 2020 22:18

Tgt Ion: 85 Resp: 102540

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

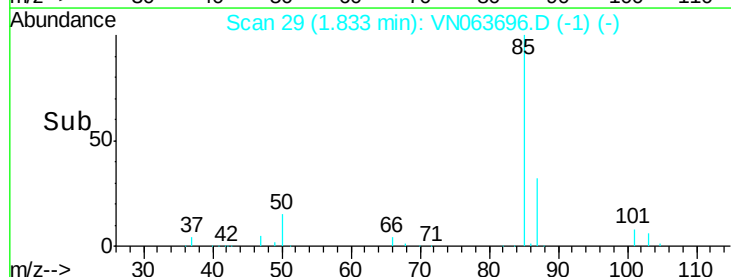
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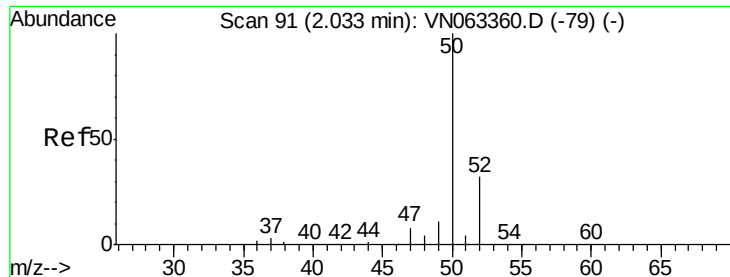
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 42.881 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 140486

Ion Ratio Lower Upper

50 100

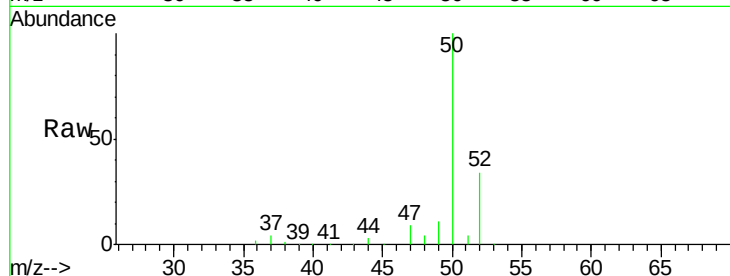
52 33.9 25.9 38.9

Manual Integrations

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9/29/2020 10:41:17 AM



Abundance Ion 49.90 (49.60 to 50.60): VN063360.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VN063360.D (-79) (-)

2.04

120000

100000

80000

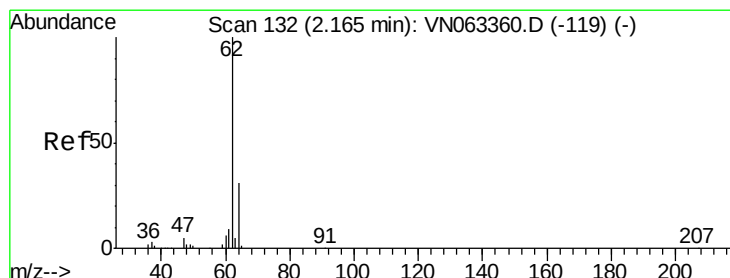
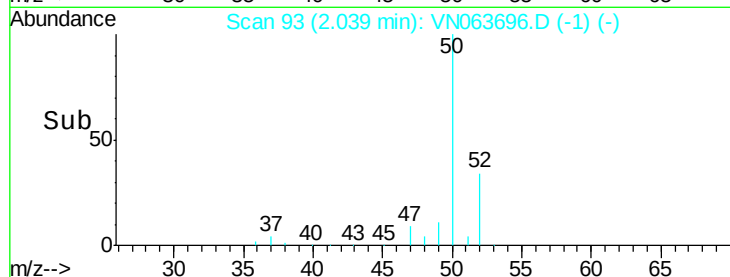
60000

40000

20000

0

Time--> 1.95 2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 47.021 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN063696.D

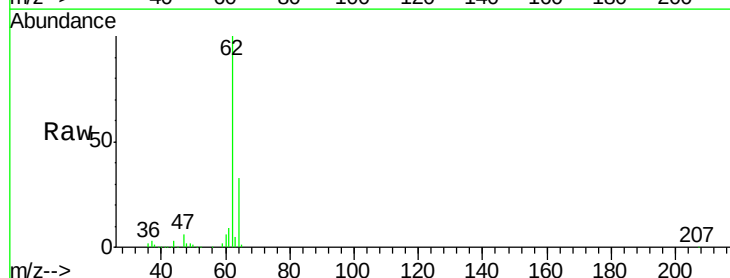
Acq: 25 Sep 2020 22:18

Tgt Ion: 62 Resp: 136484

Ion Ratio Lower Upper

62 100

64 32.6 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VN063360.D (-119) (-)

Ion 63.90 (63.60 to 64.60): VN063360.D (-119) (-)

2.16

100000

80000

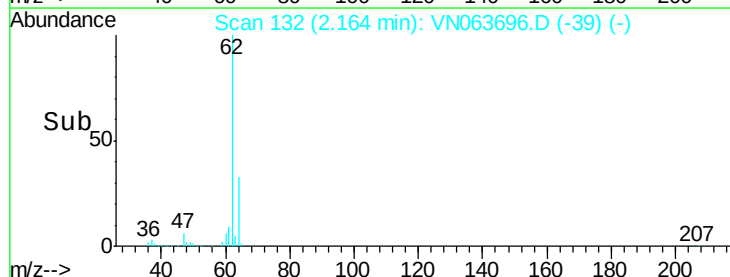
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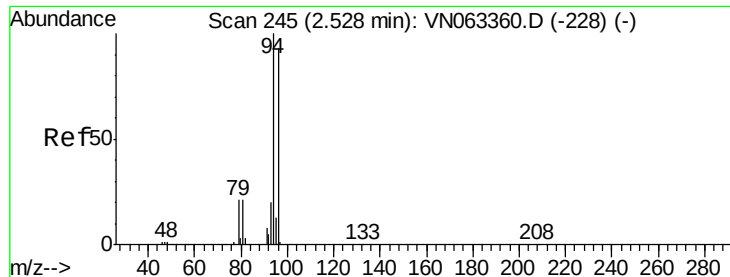
40000

20000

0

Time--> 2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 51.737 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 89164

Ion Ratio Lower Upper

94 100

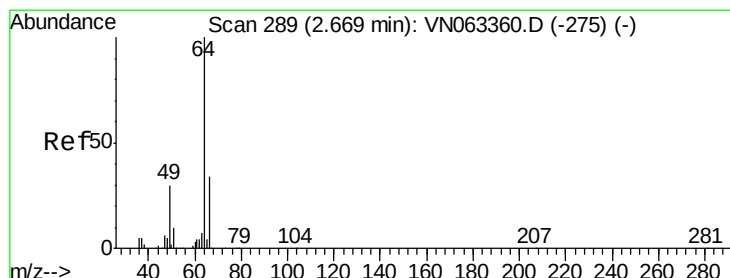
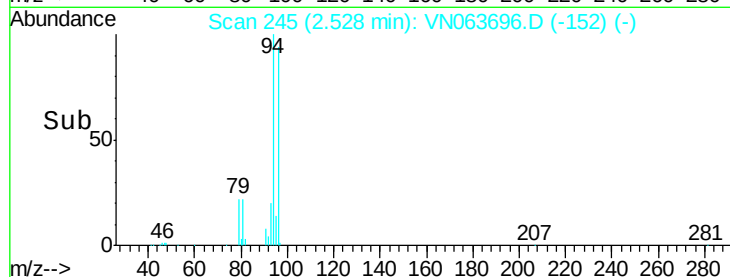
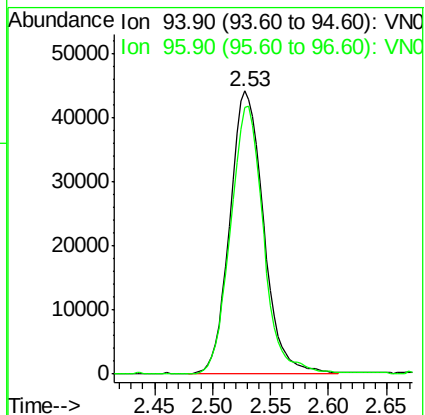
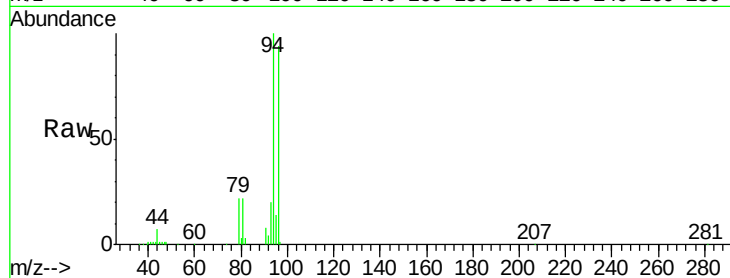
96 94.4 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 51.395 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN063696.D

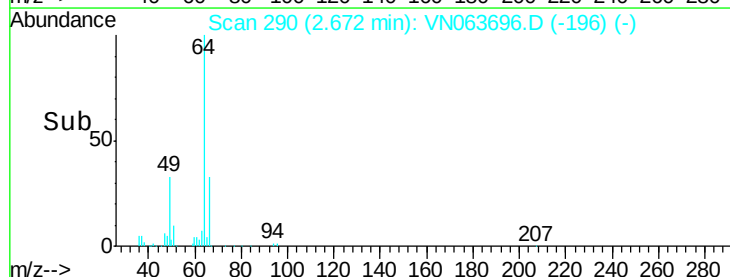
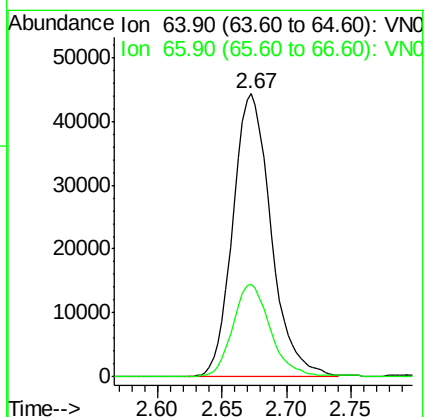
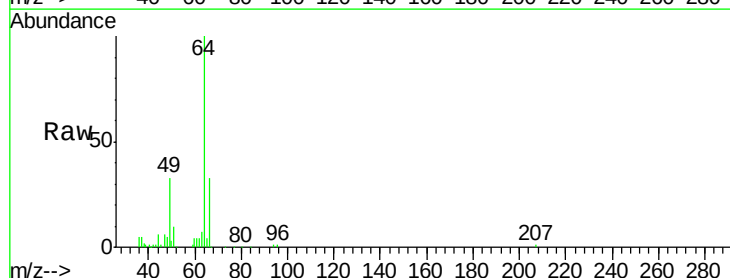
Acq: 25 Sep 2020 22:18

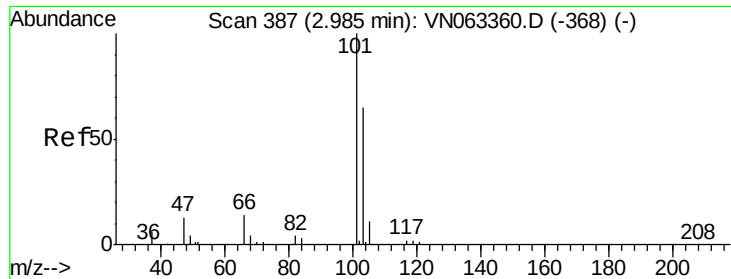
Tgt Ion: 64 Resp: 91573

Ion Ratio Lower Upper

64 100

66 32.6 26.9 40.3





#7

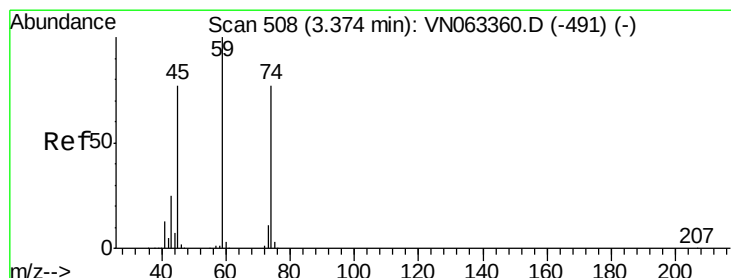
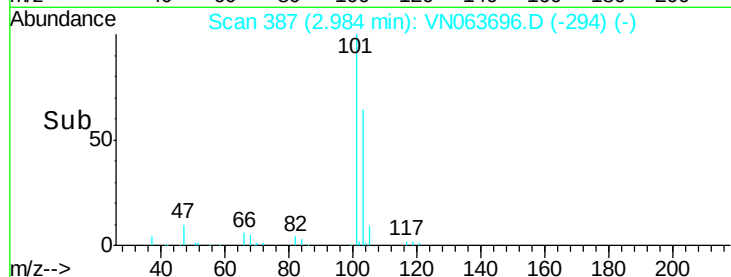
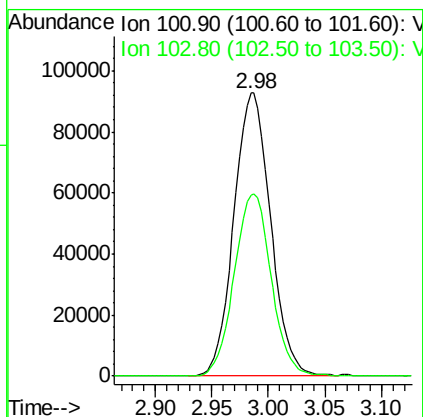
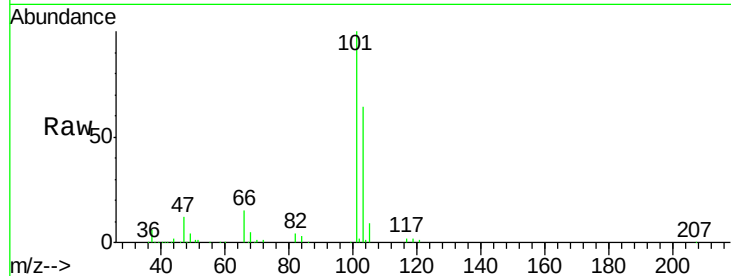
Trichlorofluoromethane
Concen: 48.472 ug/l
RT: 2.98 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN063696.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		209919		
103	64.0	52.3	78.5		

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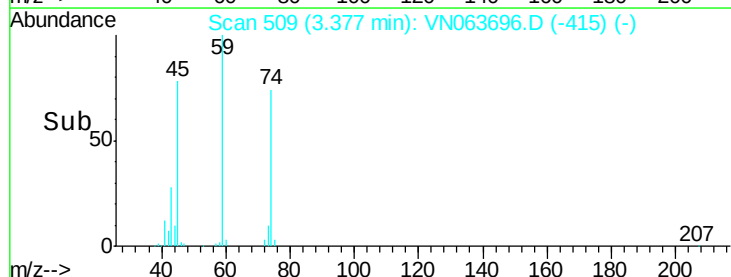
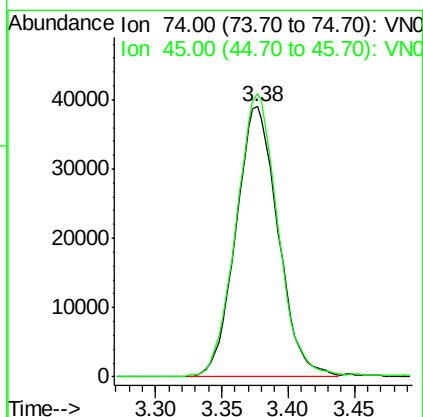
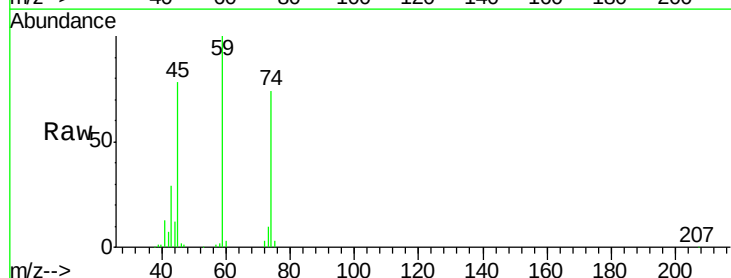
MMDadoda
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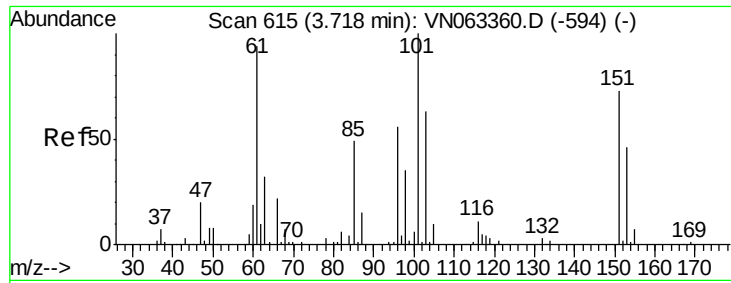


#8

Diethyl Ether
Concen: 51.178 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		86400		
45	103.8	52.1	156.4		





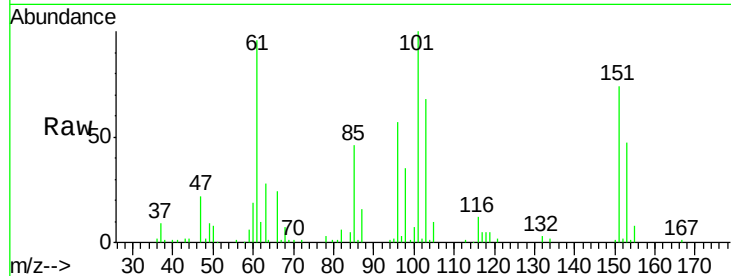
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.141 ug/l
RT: 3.72 min Scan# 616
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	109941		
85	47.9		37.7	56.5
151	70.7		57.7	86.5

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9/29/2020 10:41:17 AM

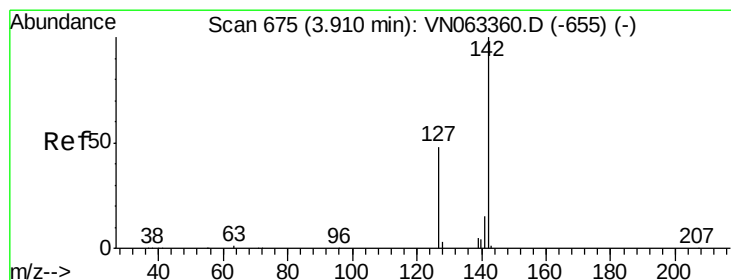
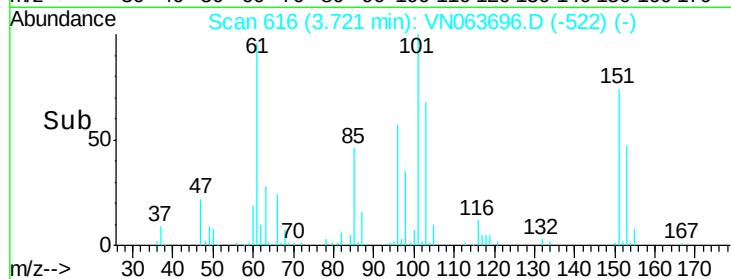
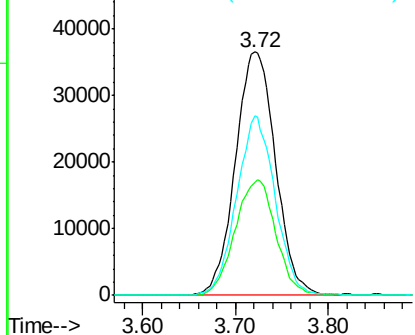


Abundance

Ion 100.90 (100.60 to 101.60): V

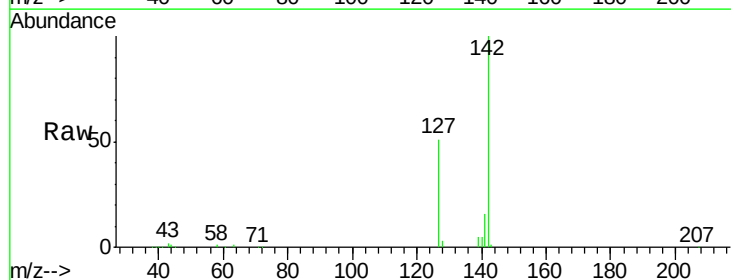
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10
Methyl Iodide
Concen: 48.023 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	152274		
127	52.2		39.0	58.6
141	15.1		11.6	17.4

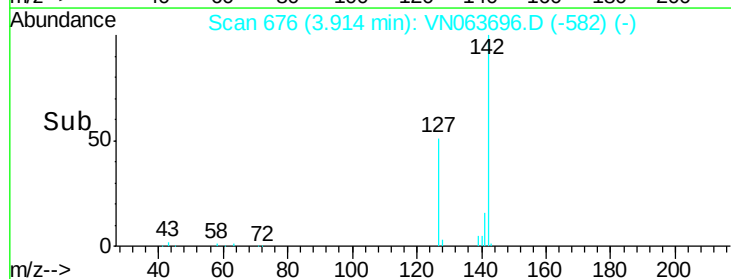
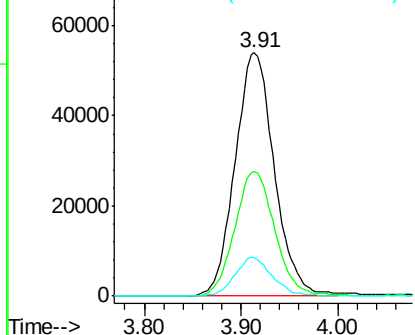


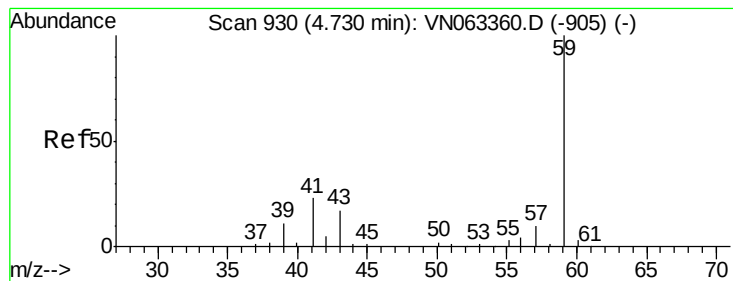
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

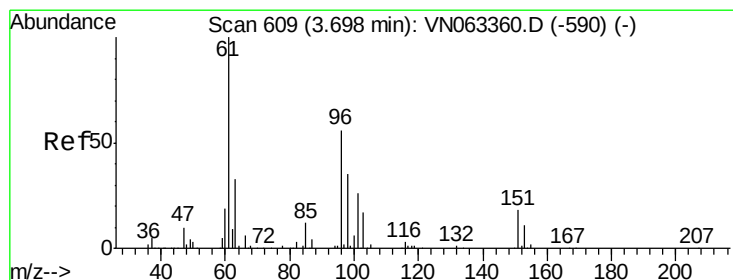
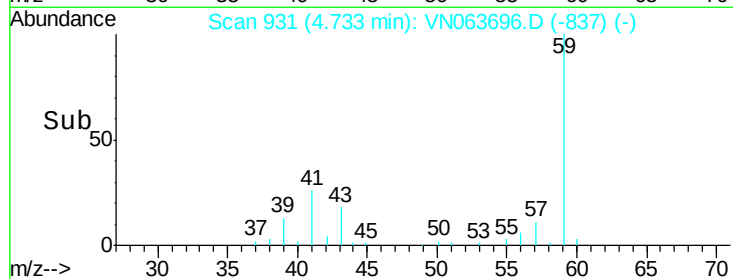
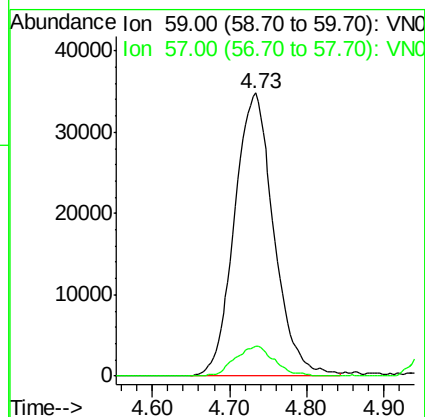
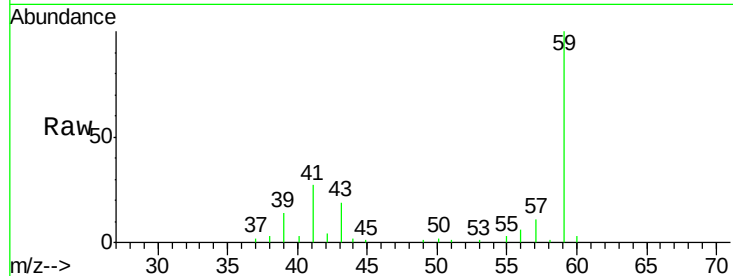
Tert butyl alcohol
 Concen: 239.261 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	123341		
57	10.2		8.4	12.6

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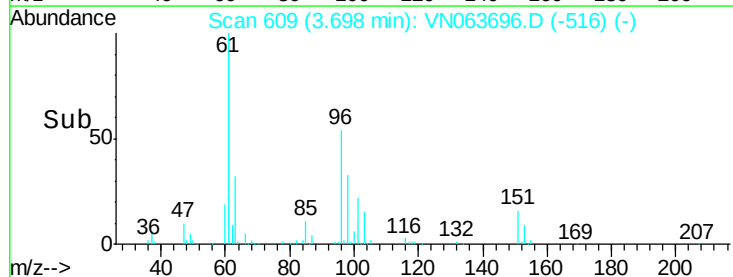
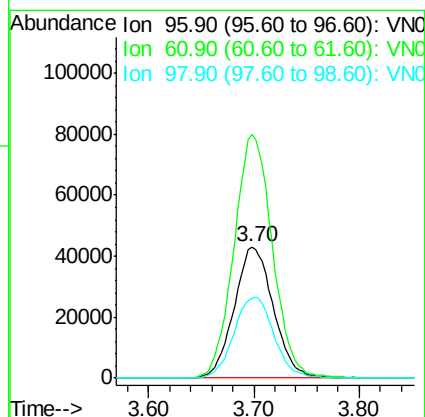
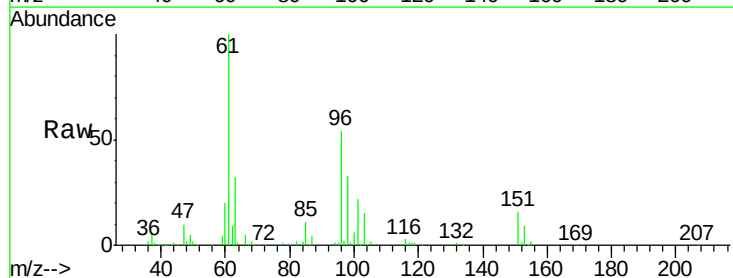
MMDadoda
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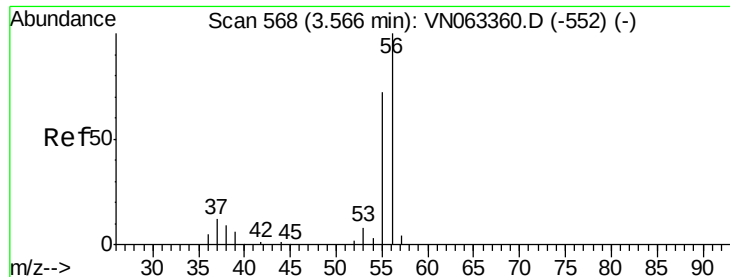


#12

1,1-Dichloroethene
 Concen: 45.071 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	111185		
61	185.6		143.4	215.2
98	60.7		50.6	76.0





#13

Acrolein

Concen: 169.200 ug/l

RT: 3.56 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 32324

Ion Ratio Lower Upper

56 100

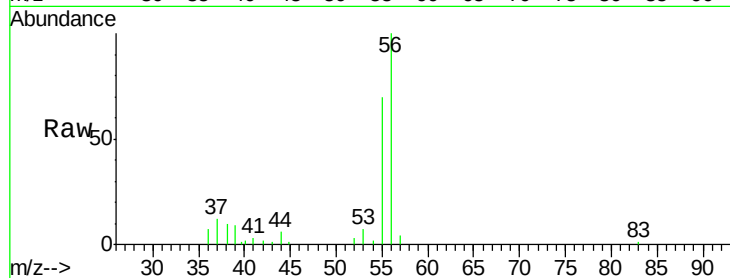
55 75.2 58.2 87.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN063360.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN063360.D (-552) (-)

15000

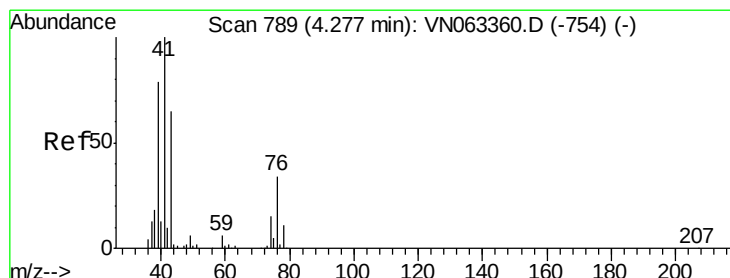
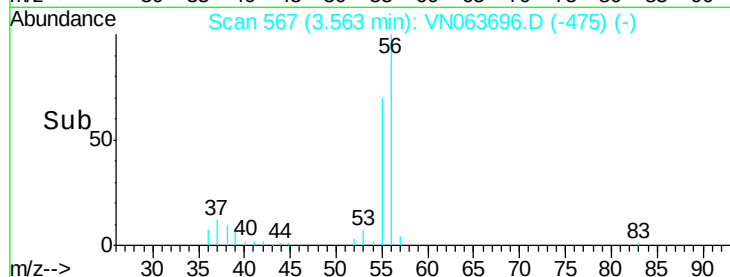
10000

5000

0

3.50 3.55 3.60 3.65

Time-->



#14

Allyl chloride

Concen: 45.890 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

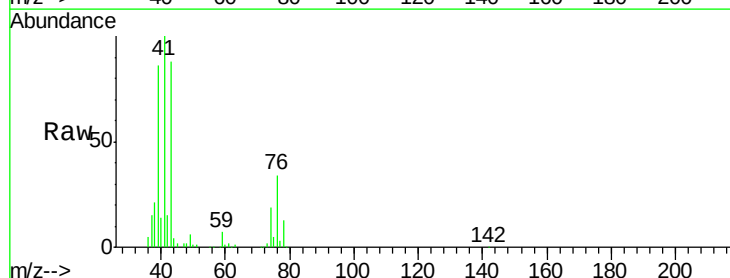
Tgt Ion: 41 Resp: 223923

Ion Ratio Lower Upper

41 100

39 79.9 59.3 88.9

76 31.1 25.3 37.9



Abundance Ion 41.00 (40.70 to 41.70): VN063360.D (-754) (-)

Ion 39.00 (38.70 to 39.70): VN063360.D (-754) (-)

Ion 75.90 (75.60 to 76.60): VN063360.D (-754) (-)

80000

60000

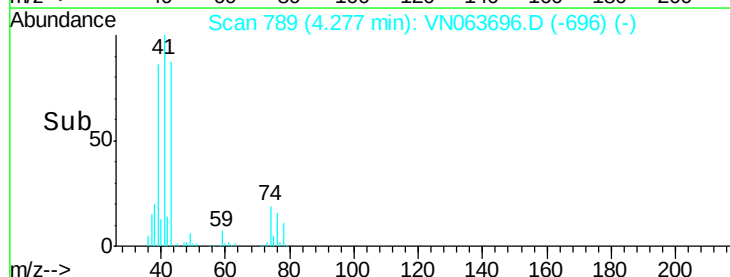
40000

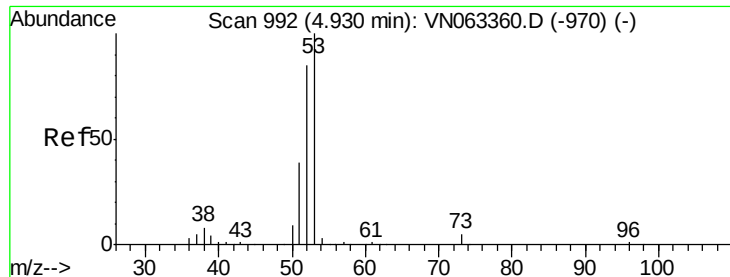
20000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 271.057 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

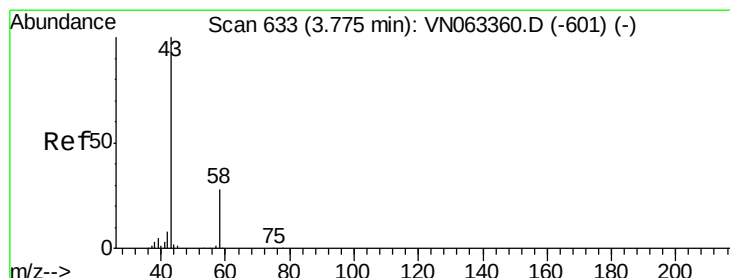
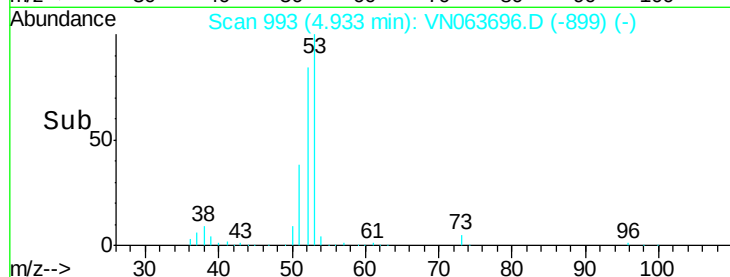
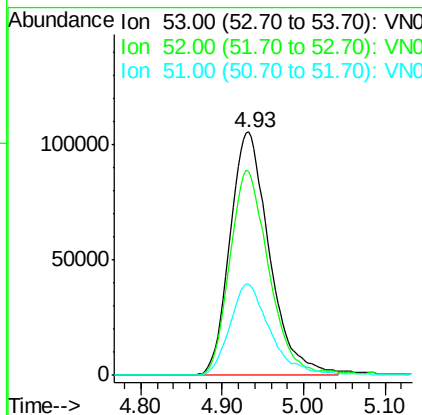
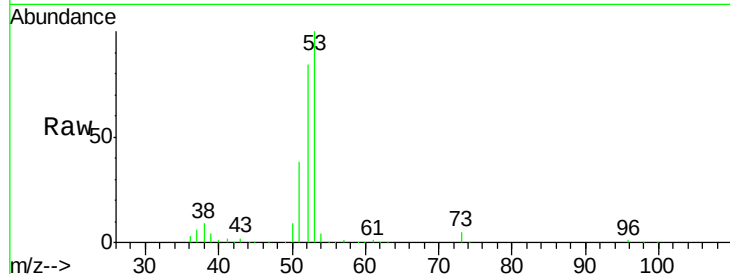
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	355432
Ion Ratio	Lower	Upper	
53	100		
52	83.6	66.4	99.6
51	38.5	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 272.897 ug/l

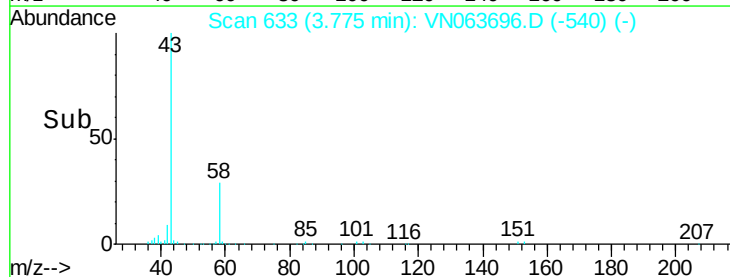
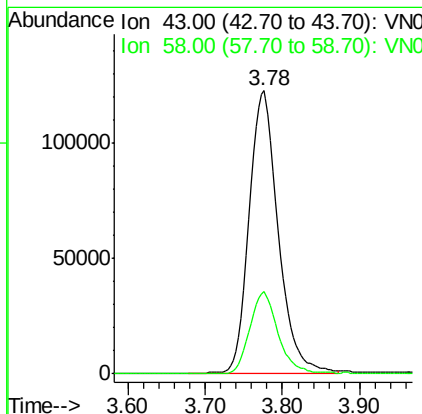
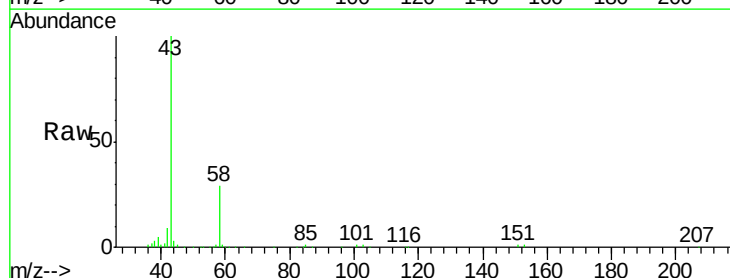
RT: 3.78 min Scan# 633

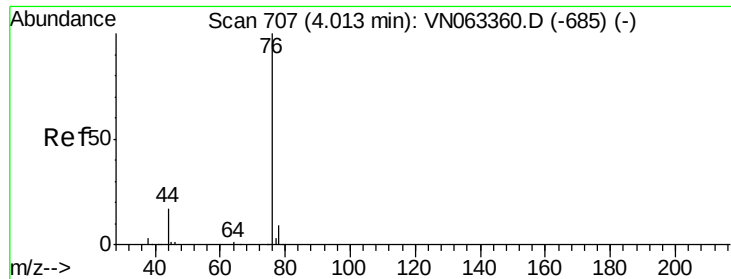
Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Tgt Ion:	43	Resp:	326360
Ion Ratio	Lower	Upper	
43	100		
58	29.2	22.3	33.5





#17

Carbon Disulfide

Concen: 39.347 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 282334

Ion Ratio Lower Upper

76 100

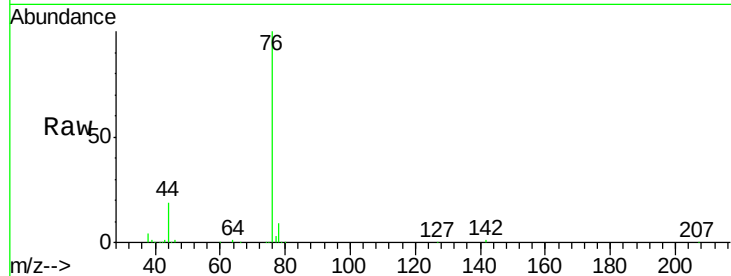
78 9.1 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

120000

100000

80000

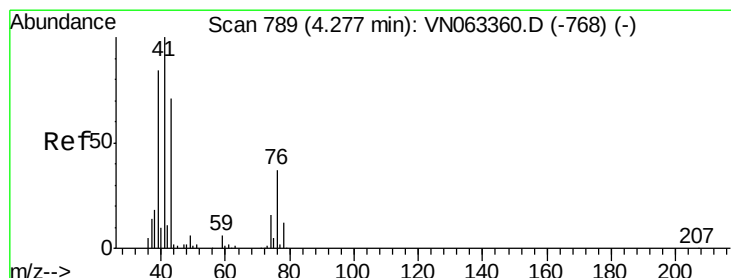
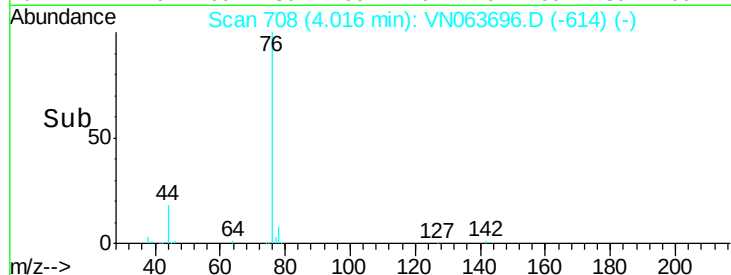
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 57.969 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063696.D

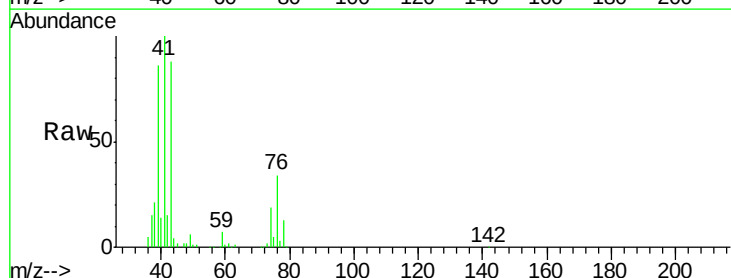
Acq: 25 Sep 2020 22:18

Tgt Ion: 43 Resp: 175992

Ion Ratio Lower Upper

43 100

74 22.2 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.28

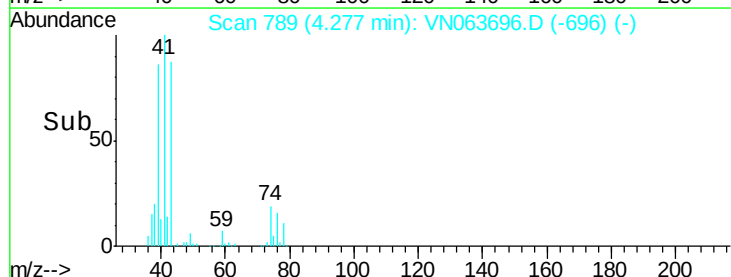
60000

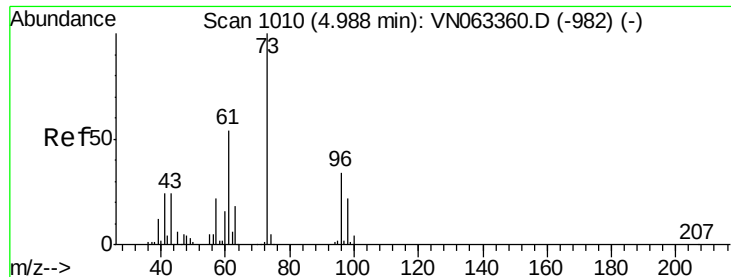
40000

20000

0

Time-->





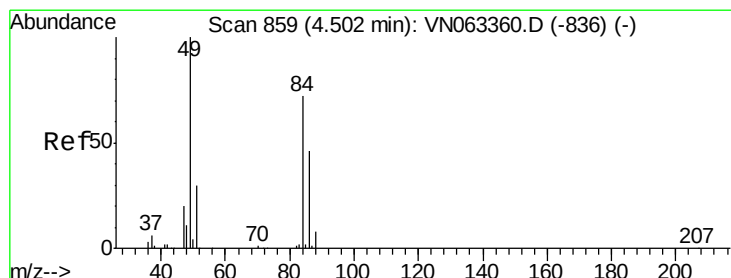
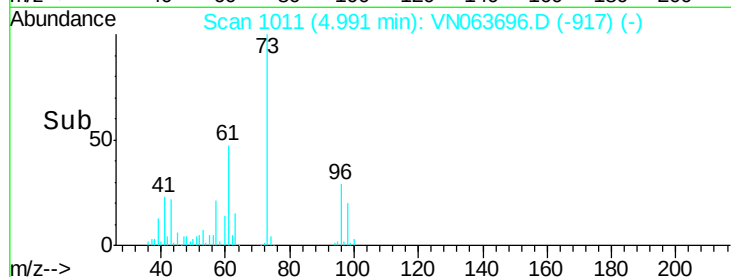
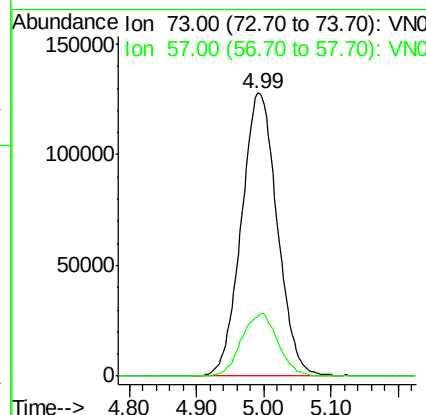
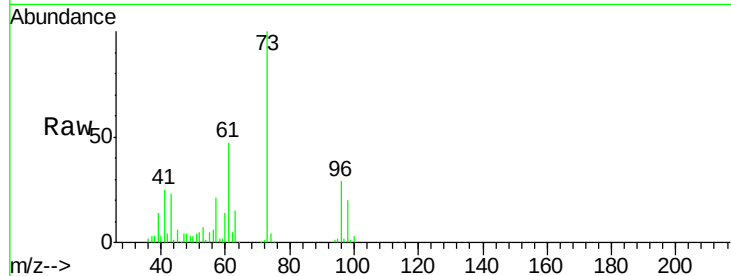
#19
Methyl tert-butyl Ether
Concen: 51.514 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.9	26.9

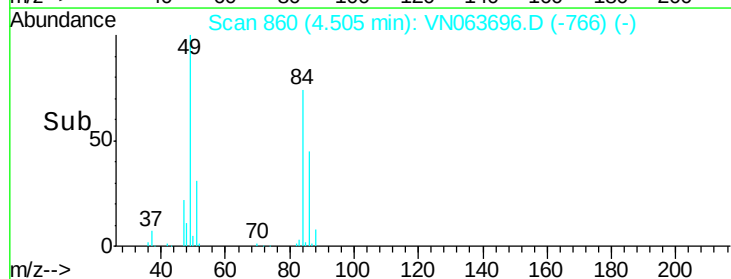
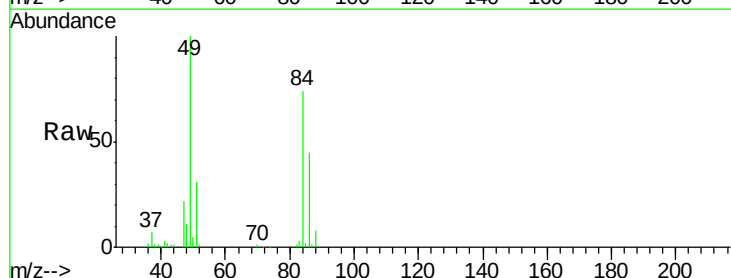
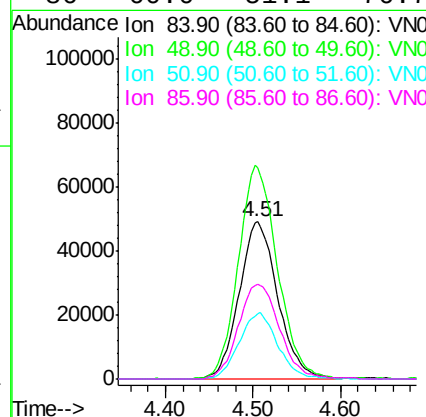
Manual Integrations
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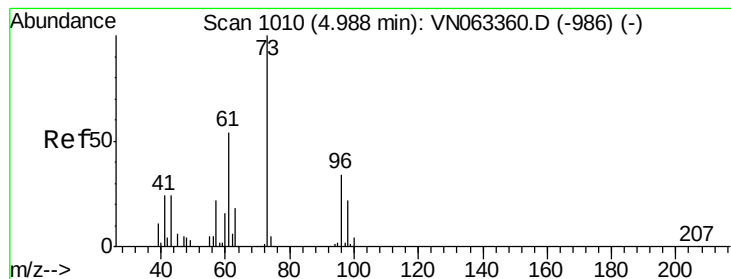
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#20
Methylene Chloride
Concen: 49.711 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	134.2	110.7	166.1
51	41.6	32.9	49.3
86	60.0	51.1	76.7





#21

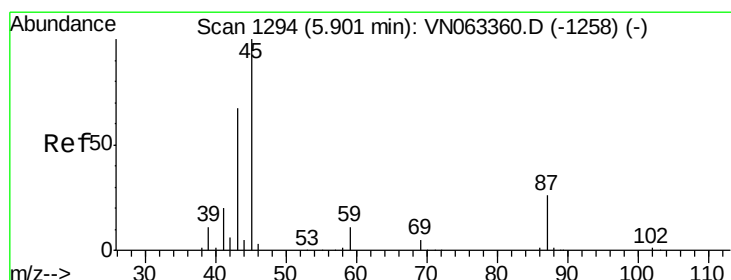
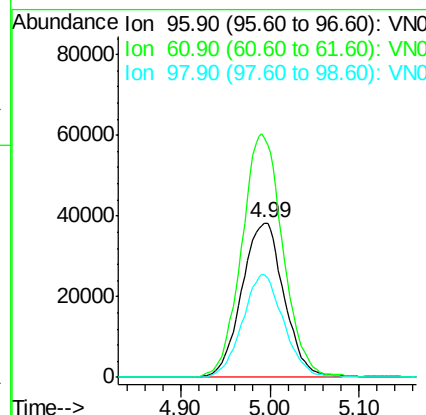
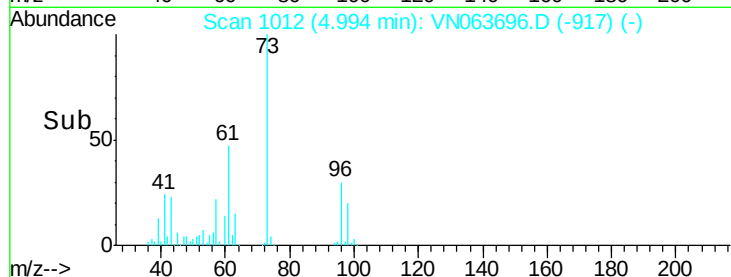
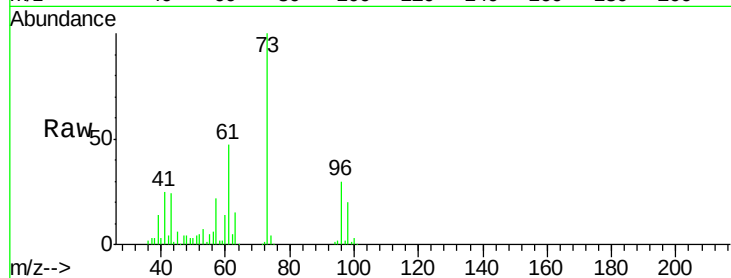
trans-1,2-Dichloroethene
Concen: 46.213 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.8	126.2	189.4
98	66.1	51.0	76.4

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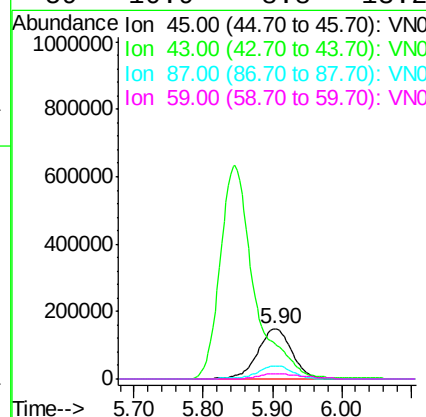
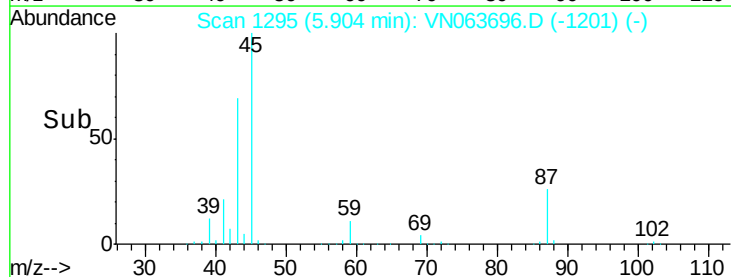
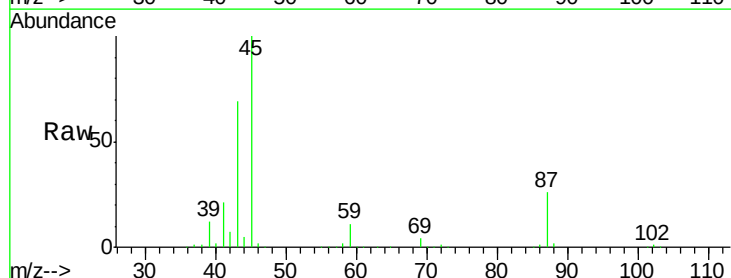
MMDadoda
9/29/2020 10:41:17 AM

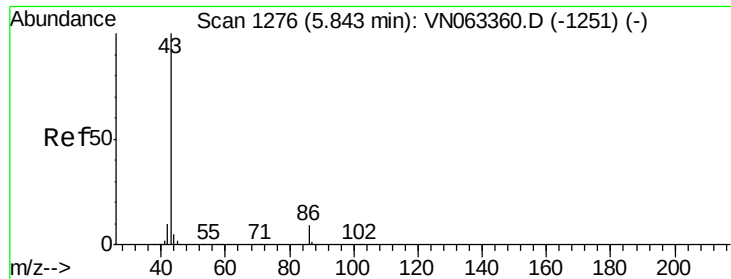


#22

Diisopropyl ether
Concen: 51.467 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	68.2	53.5	80.3
87	26.2	21.2	31.8
59	10.9	8.8	13.2





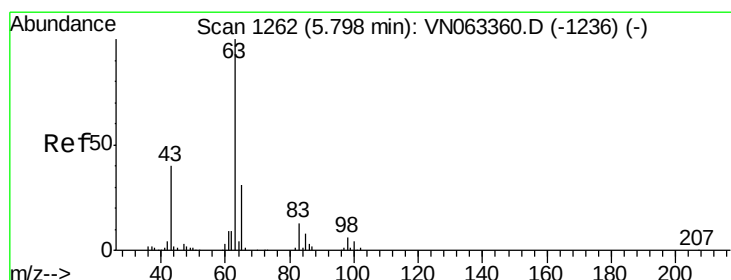
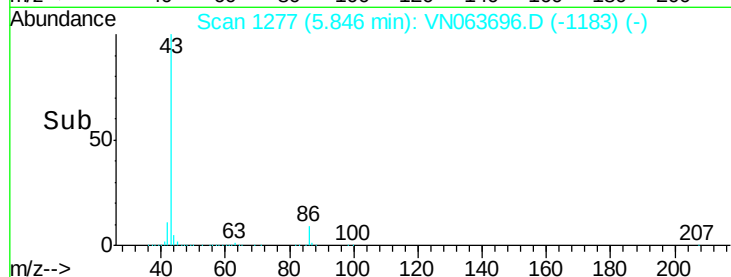
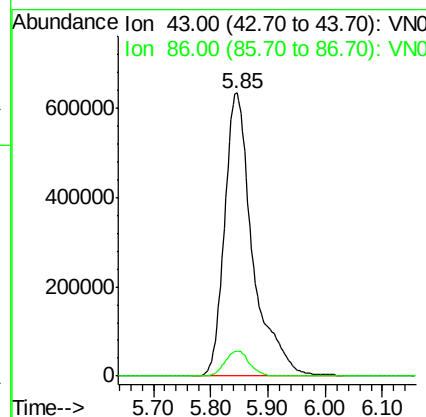
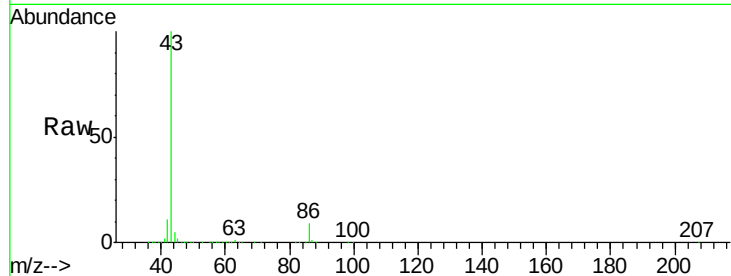
#23
 Vinyl Acetate
 Concen: 264.476 ug/l
 RT: 5.85 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 2161561
 Ion Ratio Lower Upper
 43 100
 86 8.8 7.1 10.7

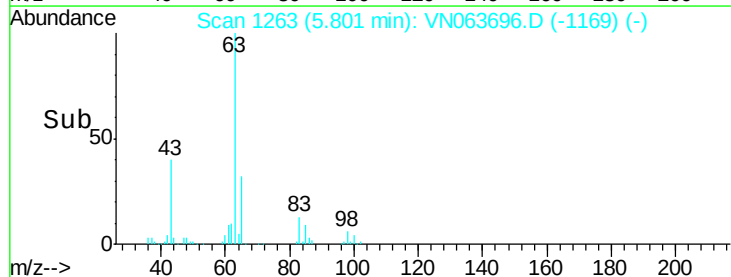
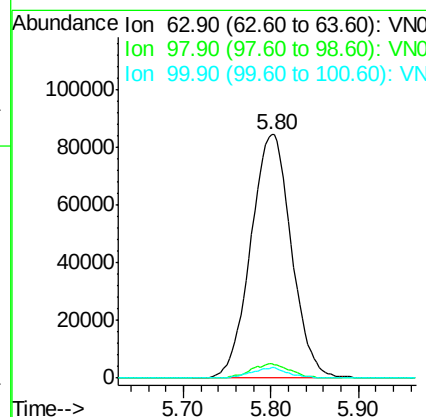
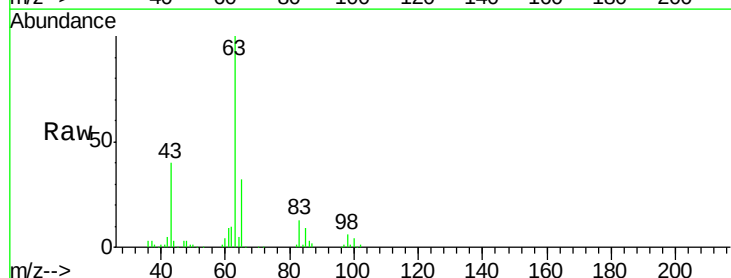
Manual Integrations
 APPROVED

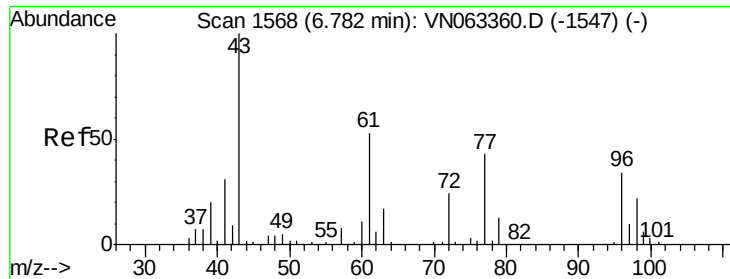
MMDadoda
 9/29/2020 10:41:17 AM



#24
 1,1-Dichloroethane
 Concen: 50.020 ug/l
 RT: 5.80 min Scan# 1263
 Delta R.T. 0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Tgt Ion: 63 Resp: 271767
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.8
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 272.418 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 501054

Ion Ratio Lower Upper

43 100

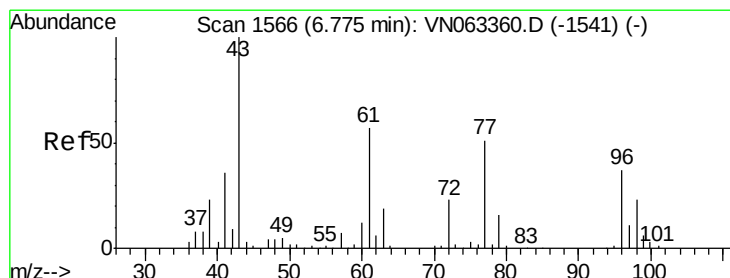
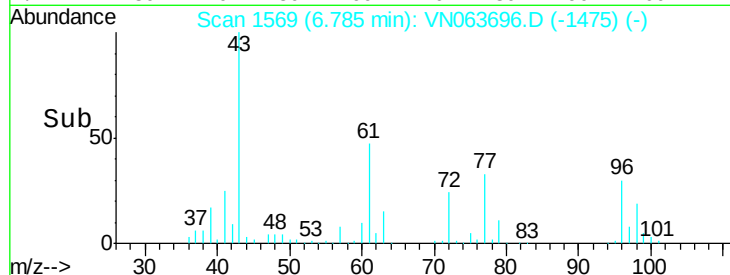
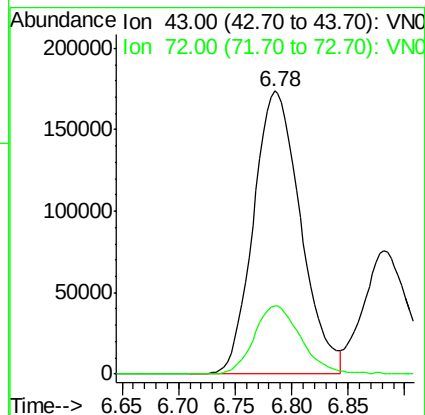
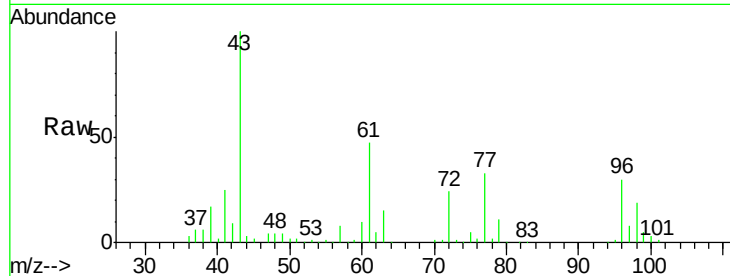
72 24.1 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

9/29/2020 10:41:17 AM



#26

2,2-Dichloropropane

Concen: 40.564 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063696.D

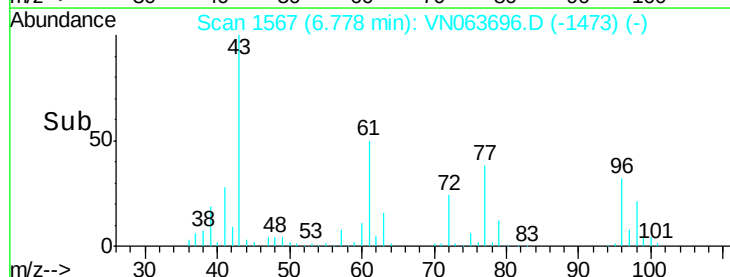
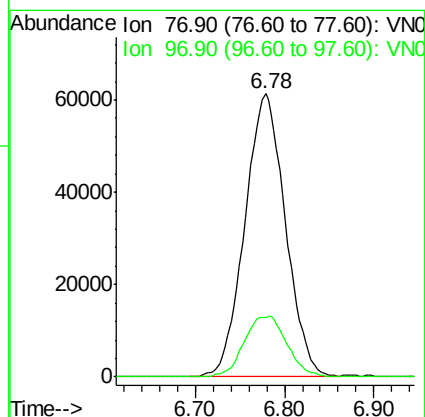
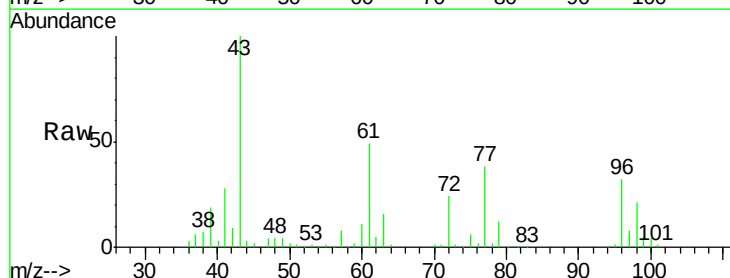
Acq: 25 Sep 2020 22:18

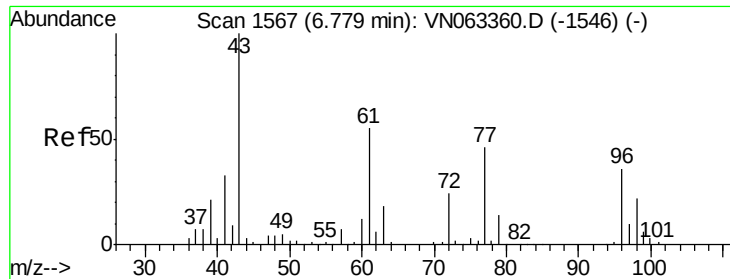
Tgt Ion: 77 Resp: 194040

Ion Ratio Lower Upper

77 100

97 22.5 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 50.362 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

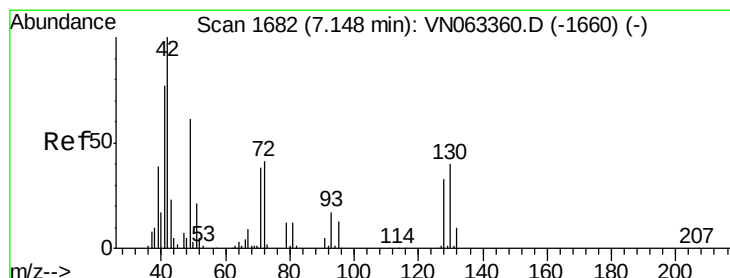
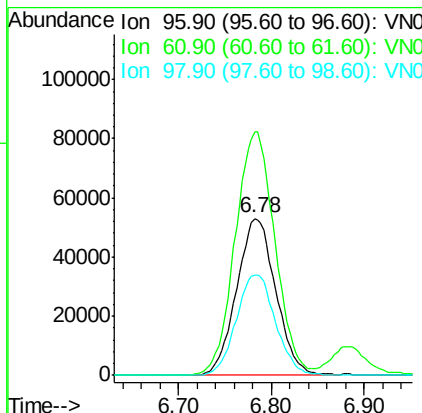
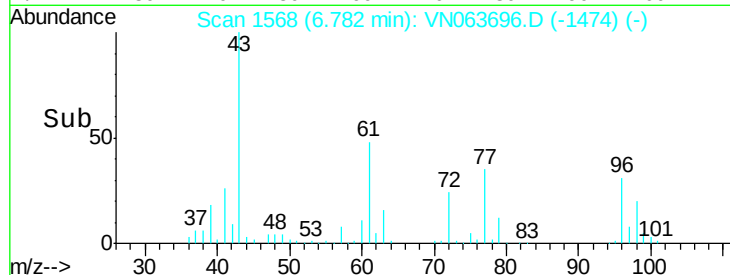
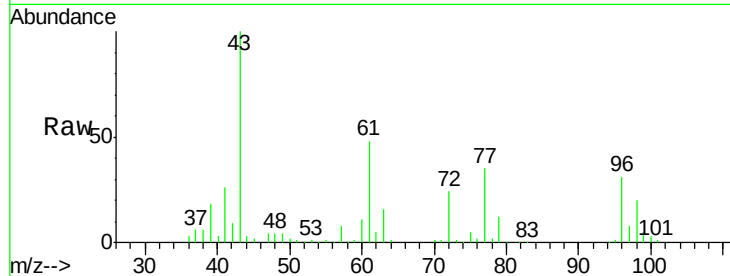
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	155795
Ion Ratio	Lower	Upper	
96	100		
61	157.2	0.0	319.6
98	64.1	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 57.038 ug/l

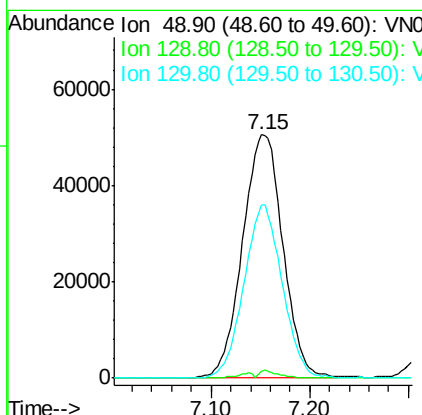
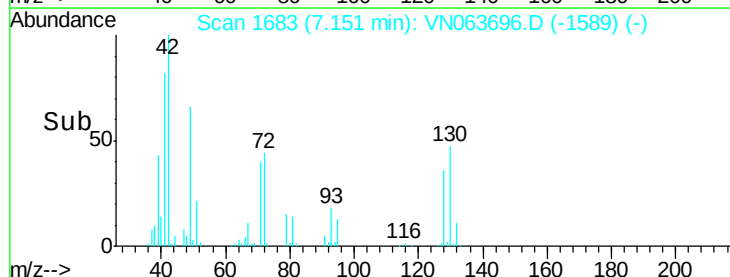
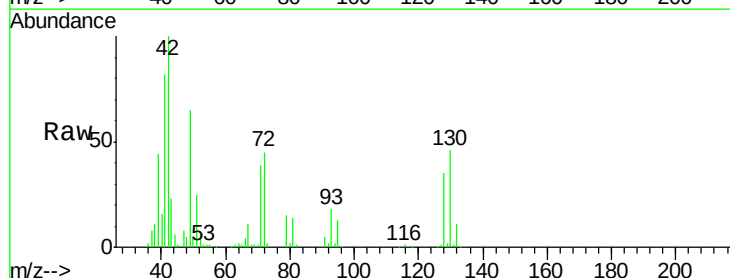
RT: 7.15 min Scan# 1683

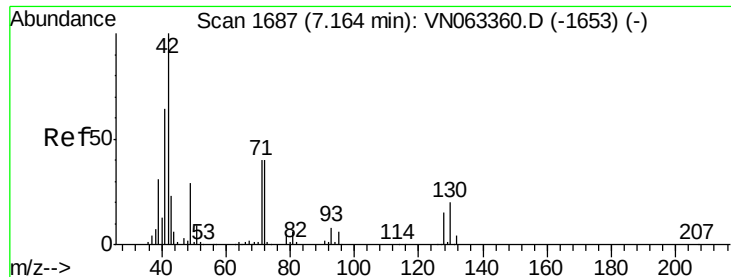
Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Tgt Ion:	49	Resp:	143088
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	3.8
130	67.3	52.2	78.2





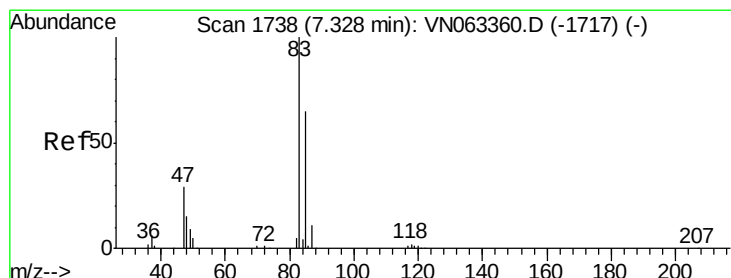
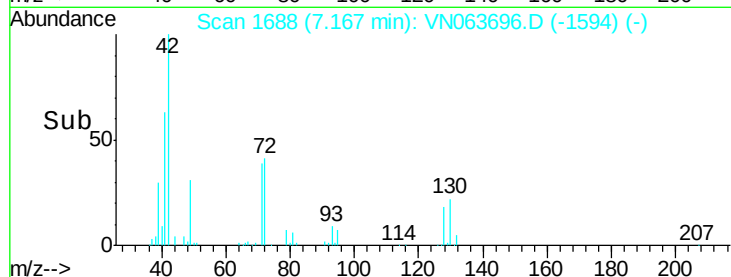
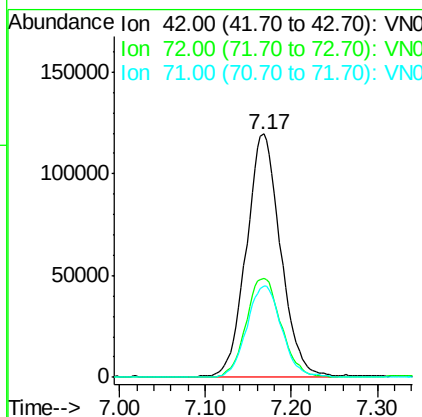
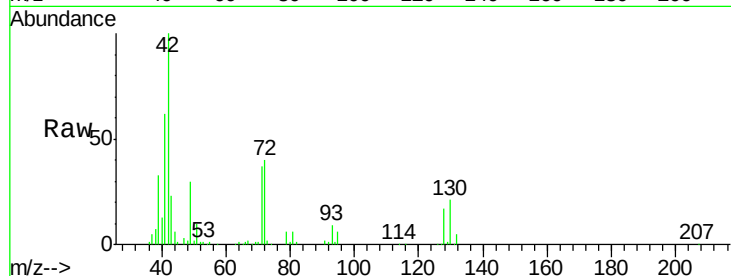
#29
Tetrahydrofuran
Concen: 262.431 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	32.1	48.1
71	38.5	31.2	46.8

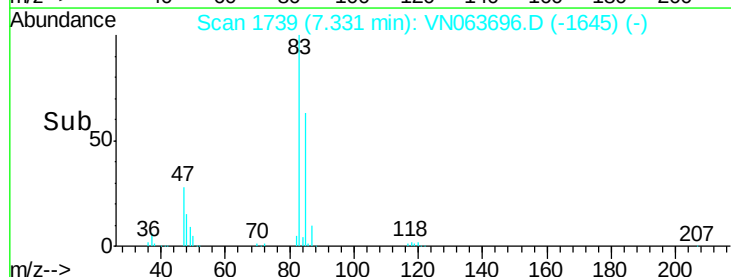
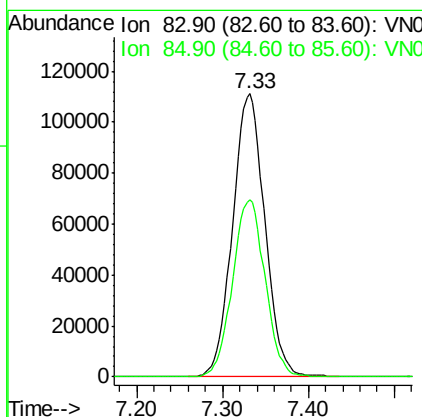
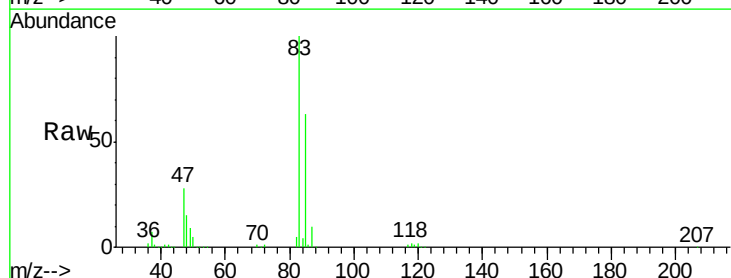
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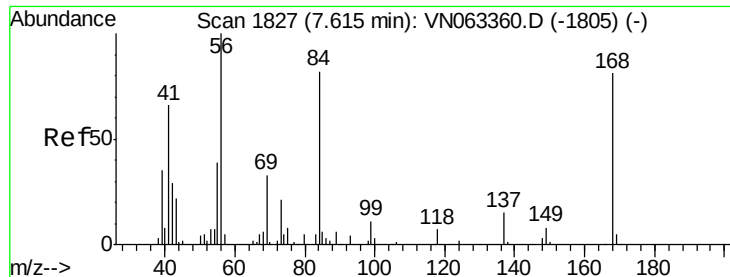
MMDadoda
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#30
Chloroform
Concen: 53.158 ug/l
RT: 7.33 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.1	78.1





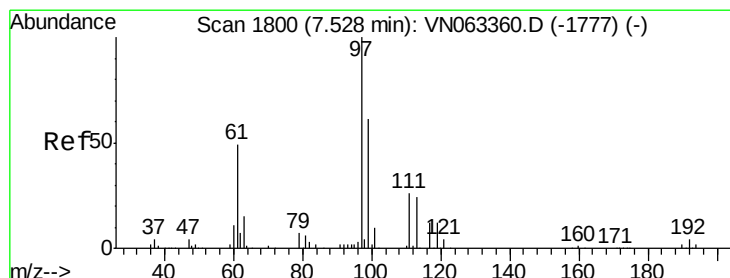
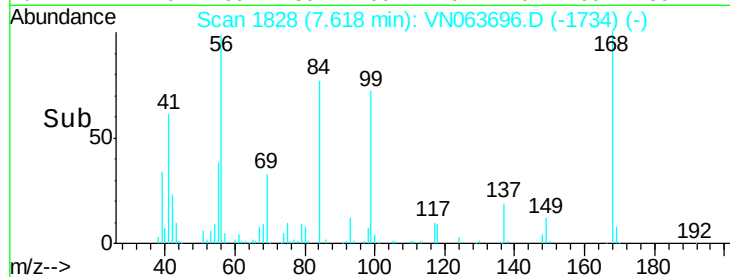
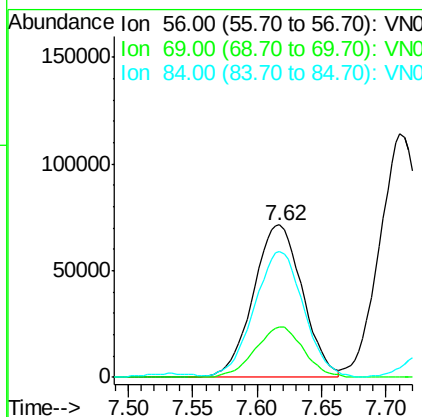
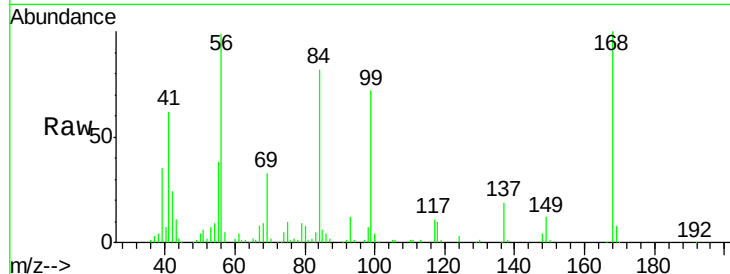
#31
Cyclohexane
Concen: 36.963 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	26.1	39.1
84	81.1	65.4	98.2

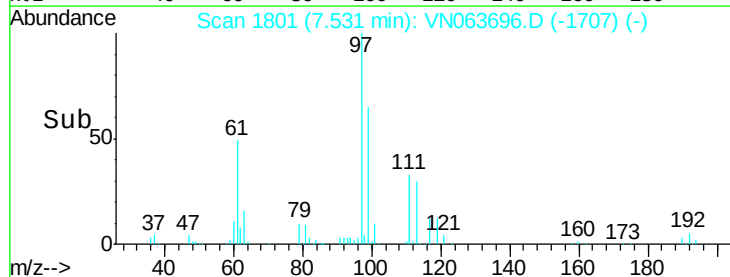
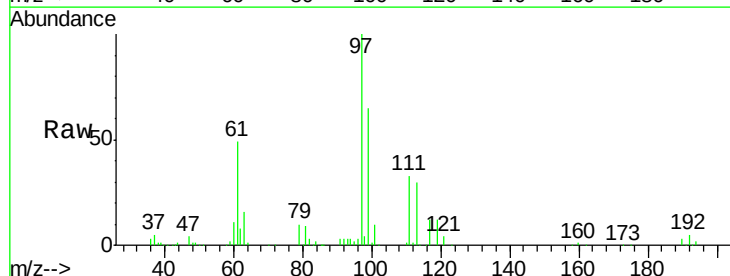
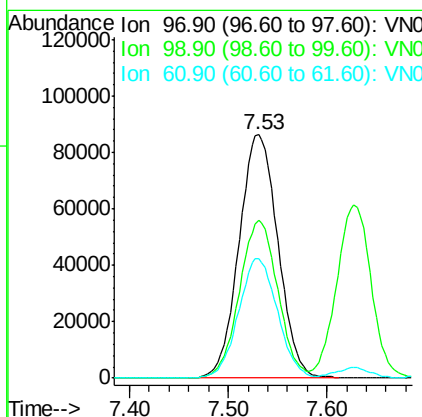
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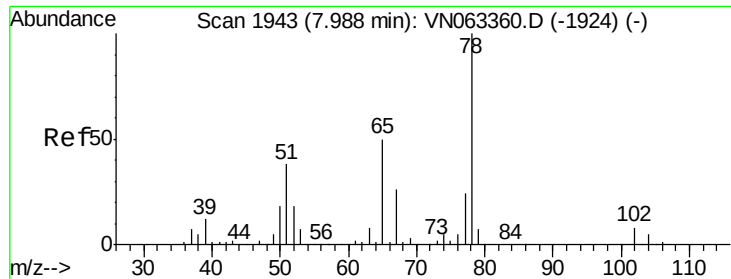
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.559 ug/l
RT: 7.53 min Scan# 1801
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.6	76.0
61	49.2	39.2	58.8





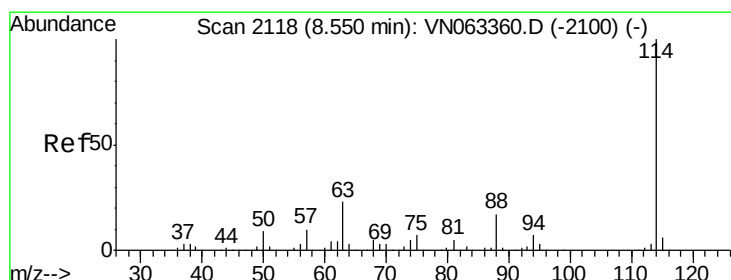
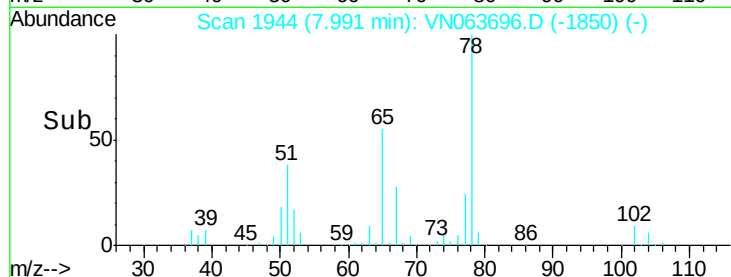
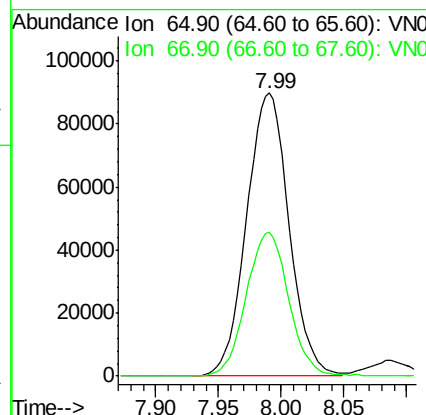
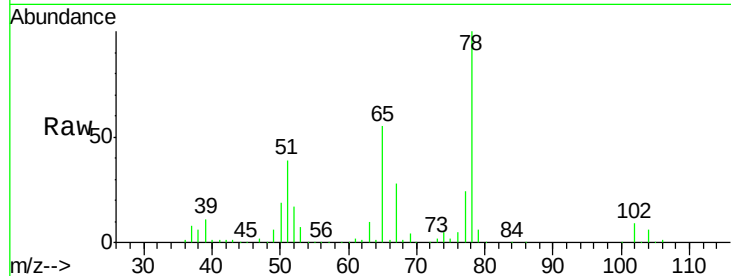
#33
 1,2-Dichloroethane-d4
 Concen: 56.748 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.8	0.0	104.2	

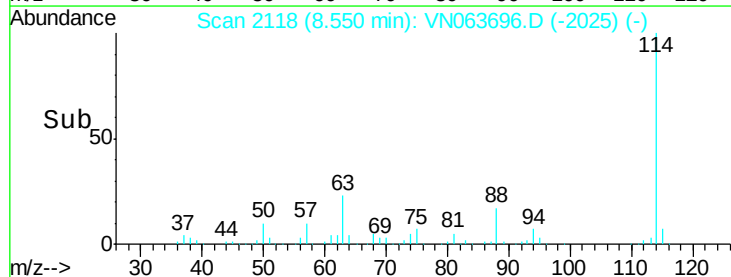
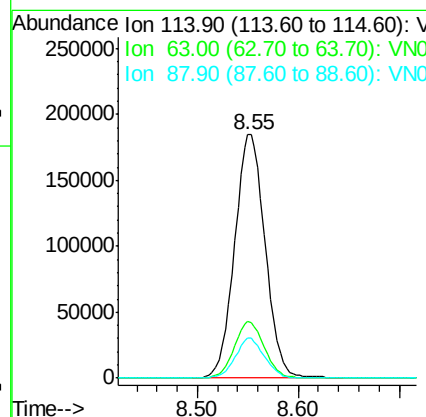
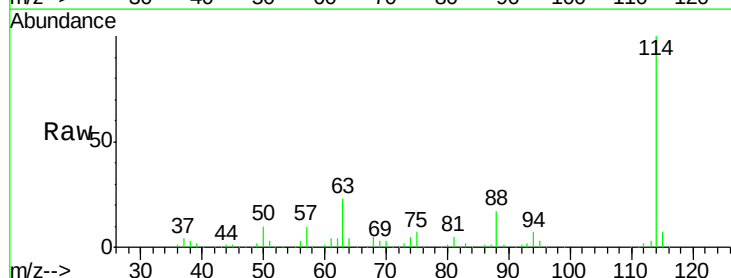
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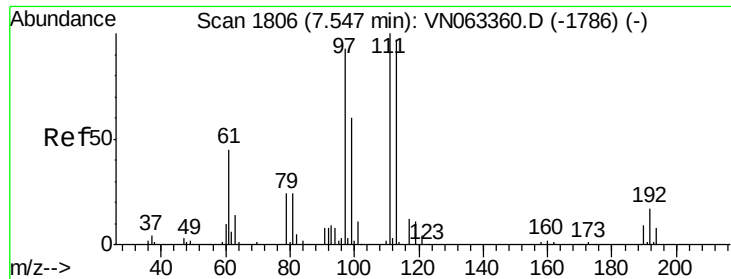
MMDadoda
 9/29/2020 10:41:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.3	0.0	46.4	
88	16.6	0.0	33.2	





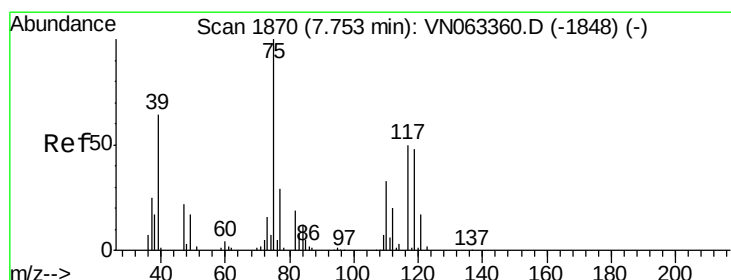
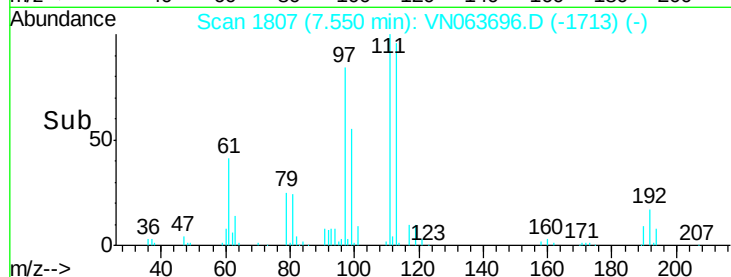
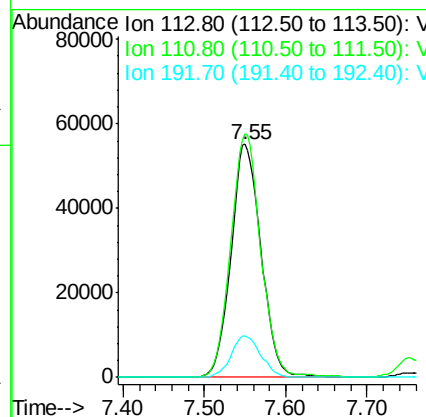
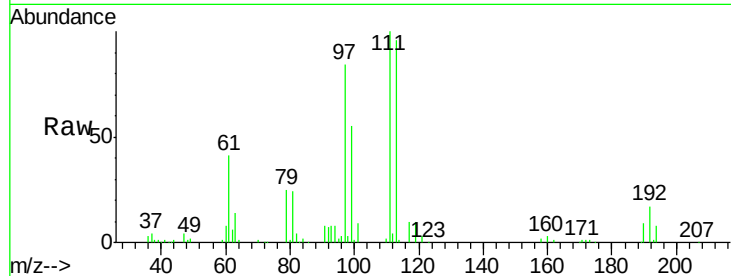
#35
 Dibromofluoromethane
 Concen: 53.042 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	142473		
111	103.7	82.9	124.3	
192	17.4	13.9	20.9	

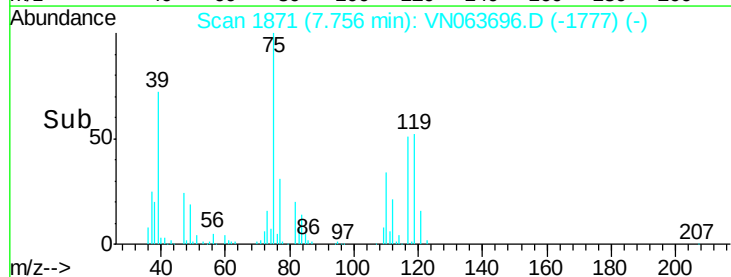
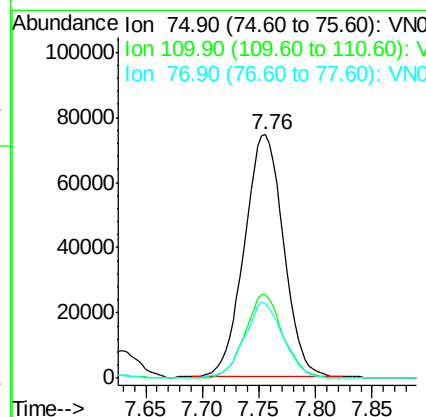
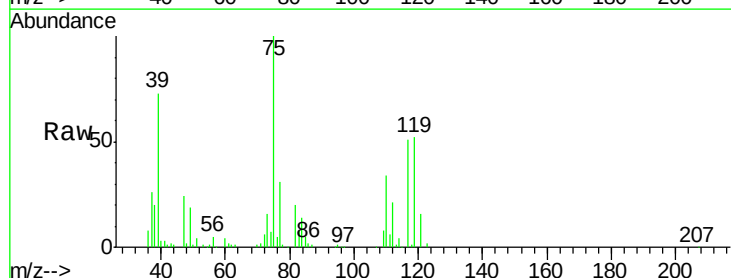
Manual Integrations
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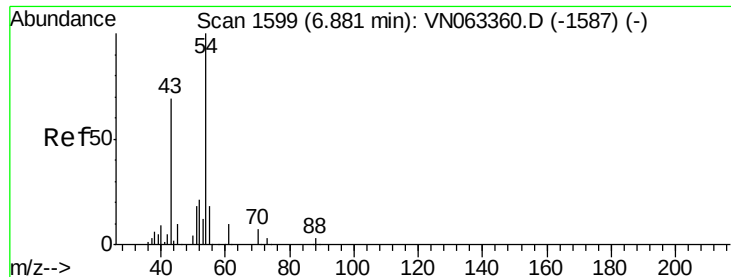
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 43.457 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	179635		
110	33.5	16.5	49.5	
77	31.1	24.6	36.8	





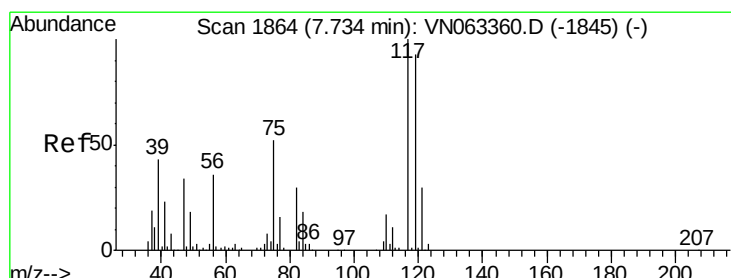
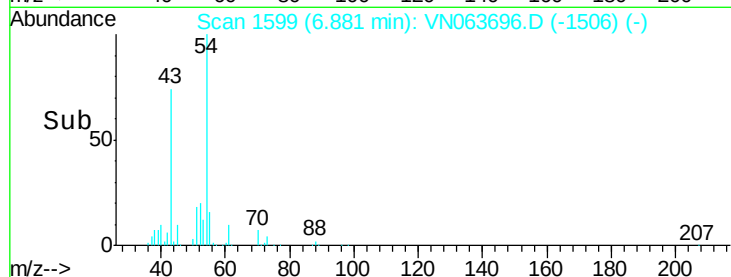
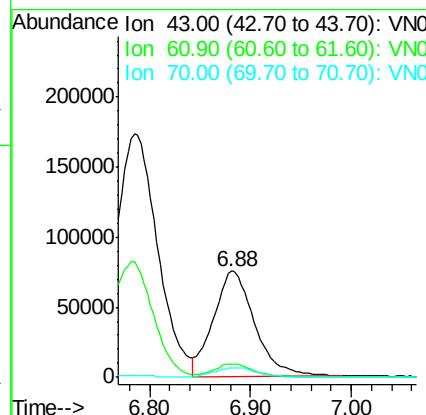
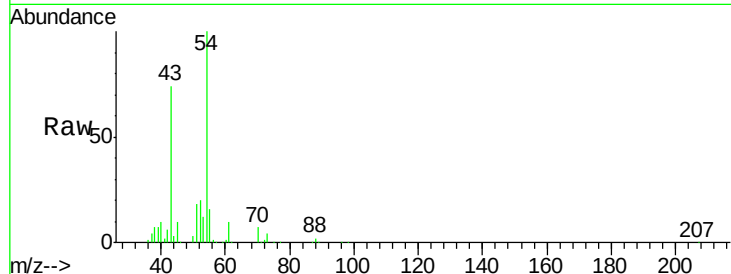
#37
Ethyl Acetate
Concen: 52.906 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.6	15.8
70	9.5	7.2	10.8

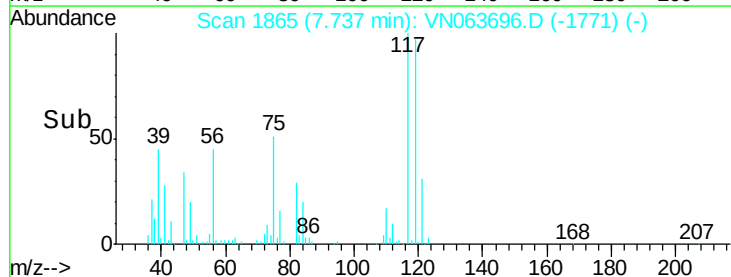
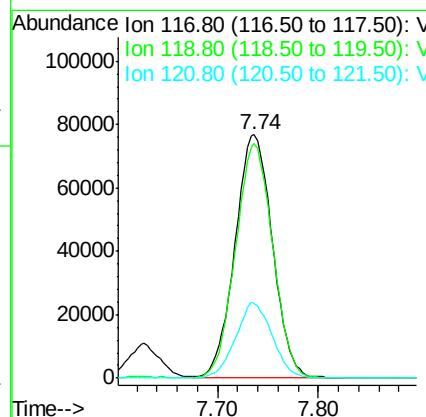
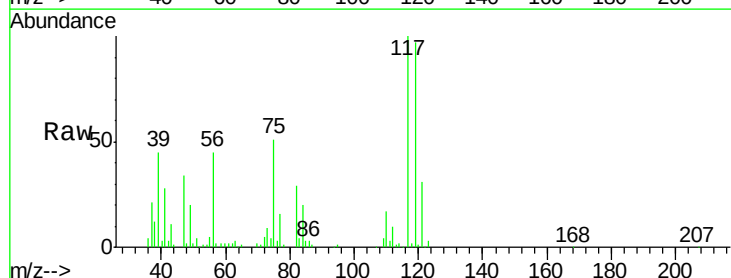
Manual Integrations
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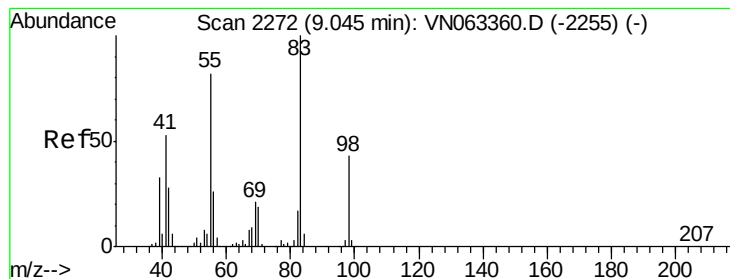
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#38
Carbon Tetrachloride
Concen: 47.035 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.5	111.7
121	30.9	24.1	36.1





#39

Methylvlcyclohexane

Concen: 37.723 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

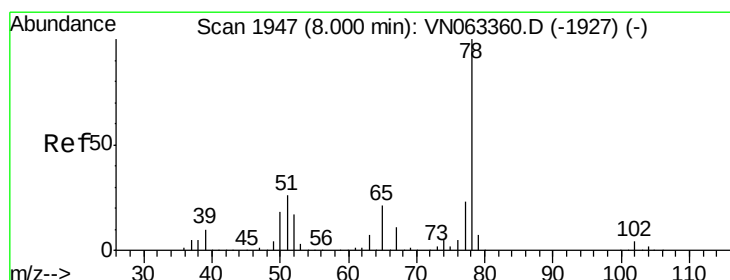
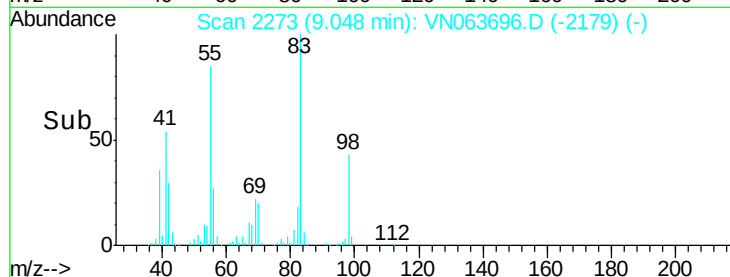
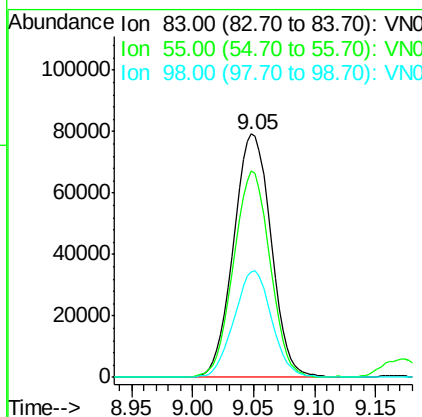
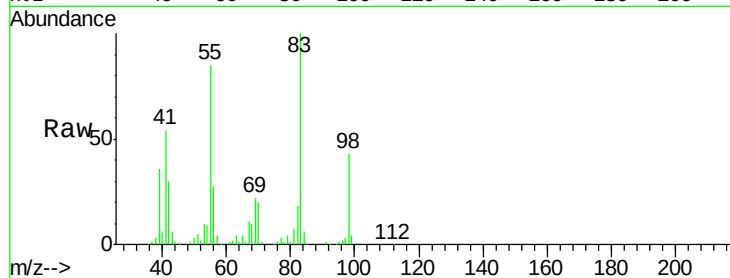
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	169238
Ion	Ratio	Lower	Upper
83	100		
55	84.8	65.5	98.3
98	43.4	34.2	51.4

Manual Integrations
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#40

Benzene

Concen: 48.533 ug/l

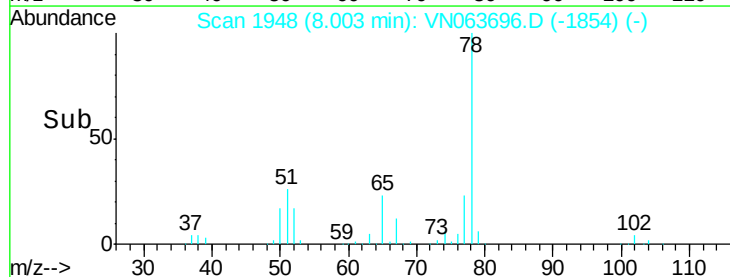
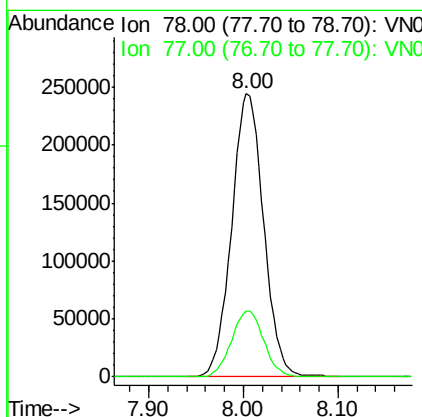
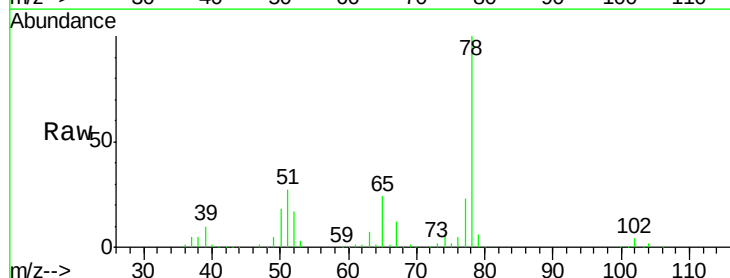
RT: 8.00 min Scan# 1948

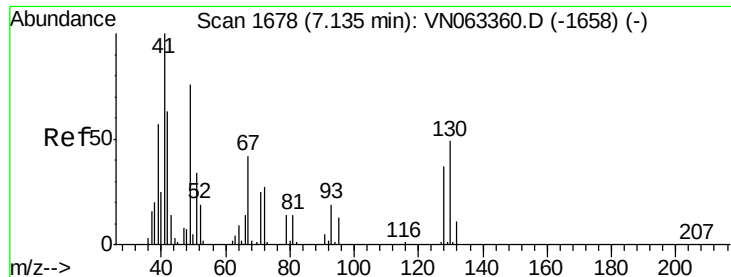
Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Tgt Ion:	78	Resp:	572688
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





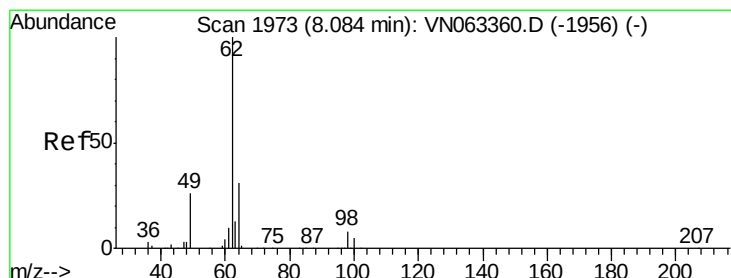
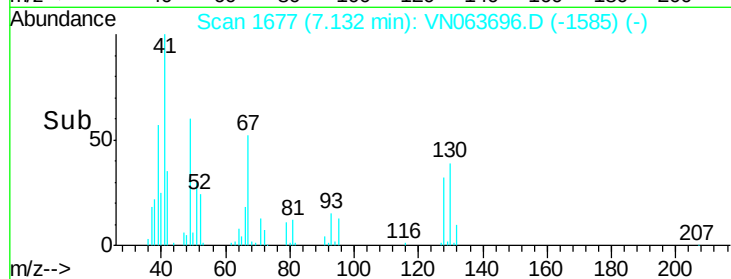
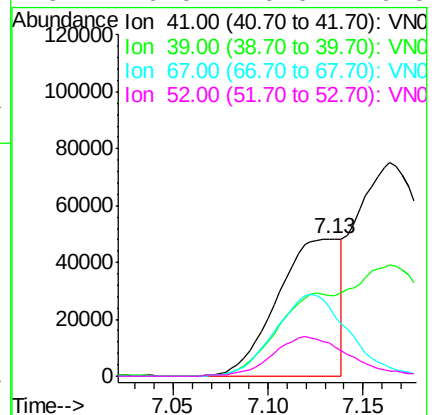
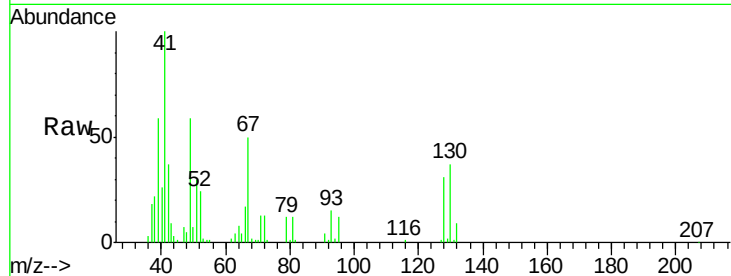
#41
Methacrylonitrile
Concen: 61.292 ug/l m
RT: 7.13 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

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

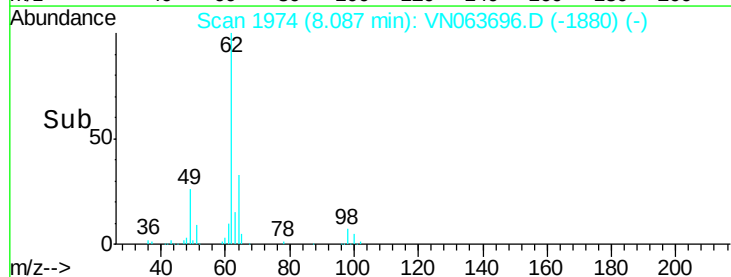
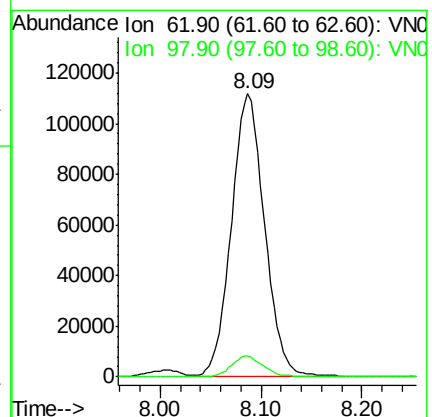
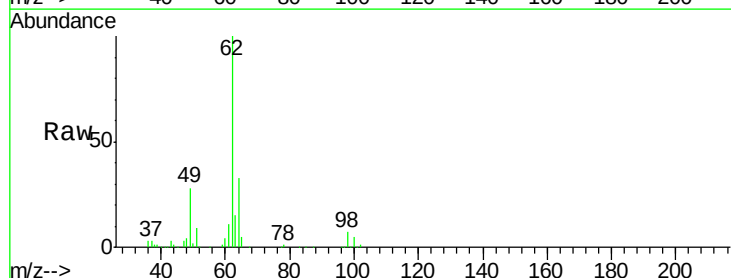
Manual Integrations
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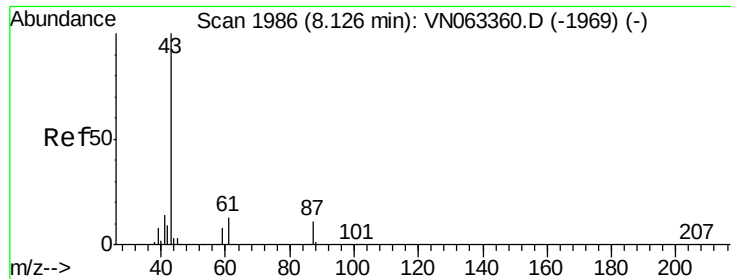
MMDadoda
9/29/2020 10:41:17 AM



#42
1,2-Dichloroethane
Concen: 53.677 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	15.6





#43

Isopropyl Acetate

Concen: 50.474 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

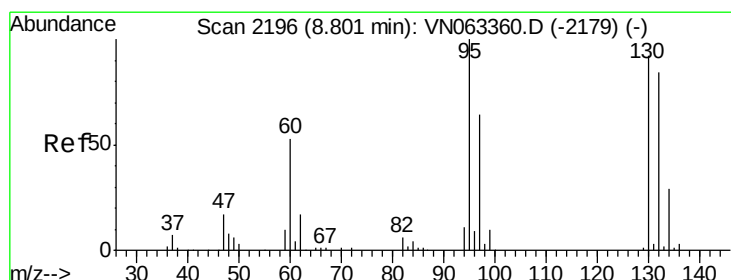
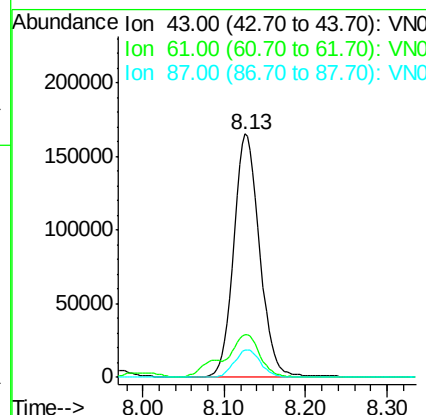
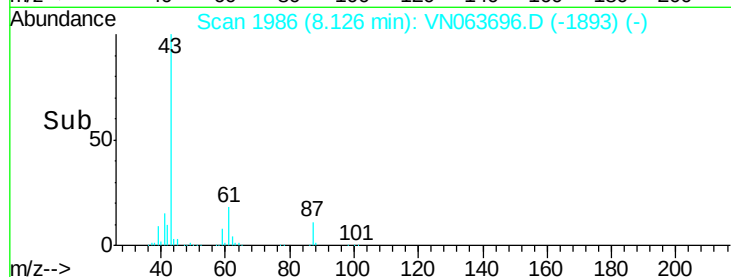
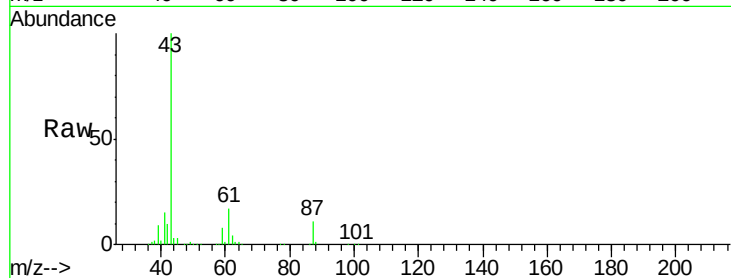
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	366149
Ion	Ratio	Lower	Upper
43	100		
61	18.7	14.2	21.2
87	11.5	9.0	13.6

Manual Integrations
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#44

Trichloroethene

Concen: 47.568 ug/l

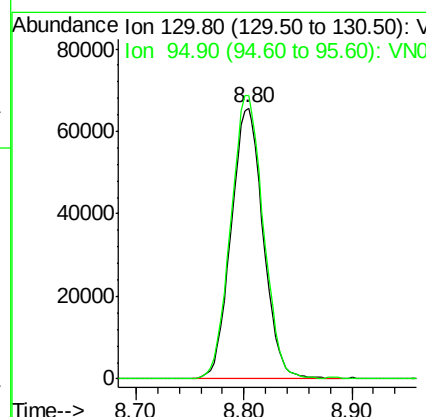
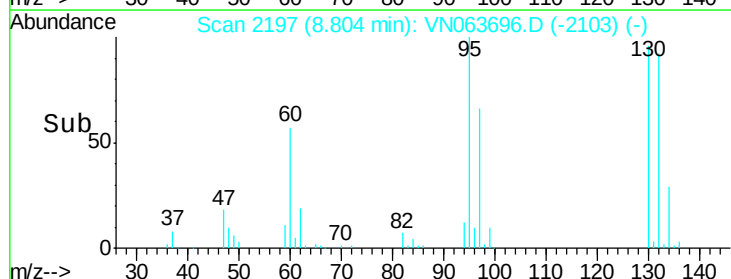
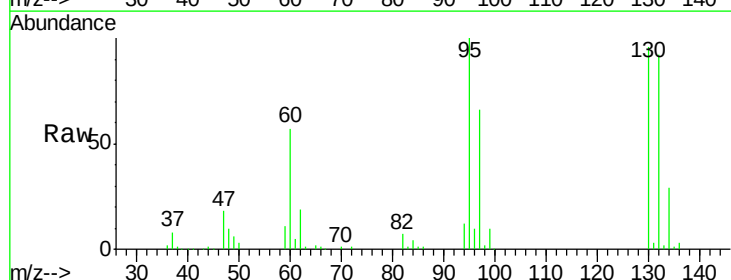
RT: 8.80 min Scan# 2197

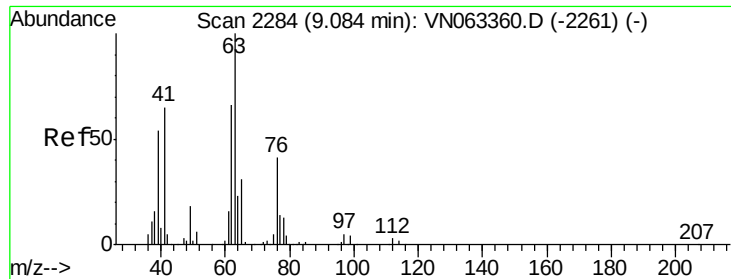
Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Tgt Ion:	130	Resp:	136142
Ion	Ratio	Lower	Upper
130	100		
95	104.5	0.0	217.4





#45

1,2-Dichloropropane

Concen: 50.517 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 162352

Ion Ratio Lower Upper

63 100

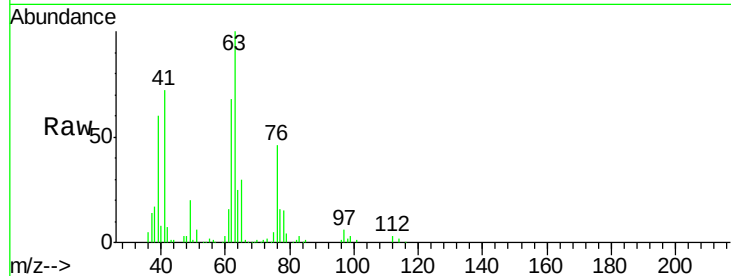
65 30.4 25.0 37.6

Manual Integrations

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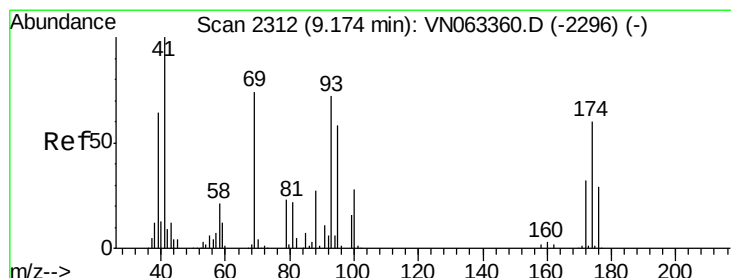
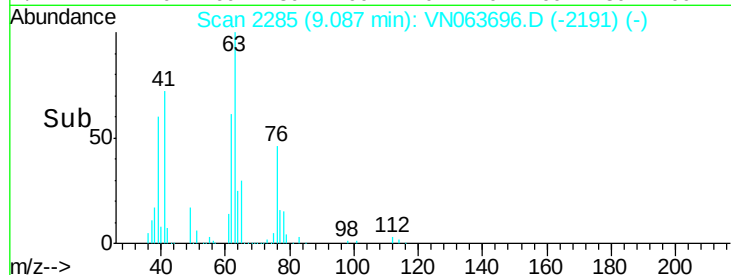
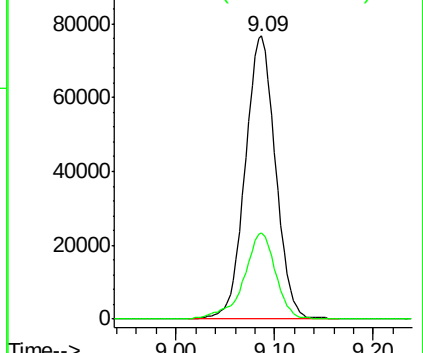
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 53.724 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

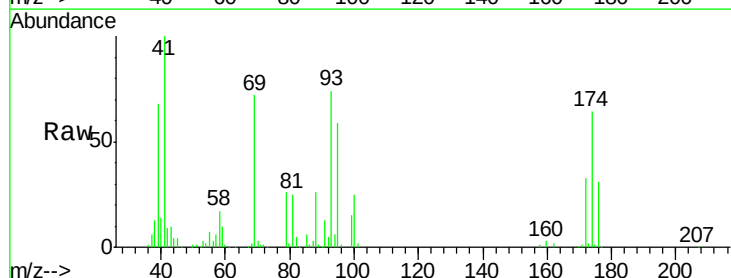
Tgt Ion: 93 Resp: 113481

Ion Ratio Lower Upper

93 100

95 80.2 65.6 98.4

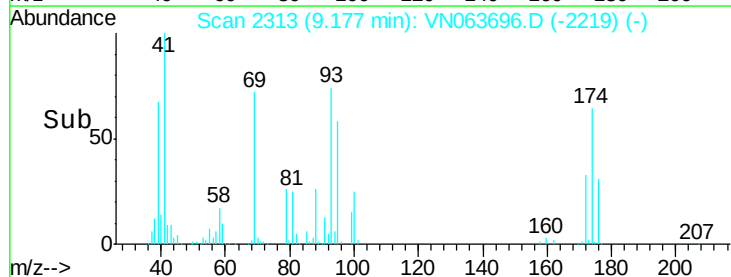
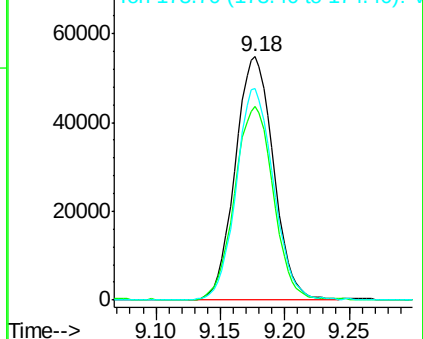
174 84.7 68.1 102.1

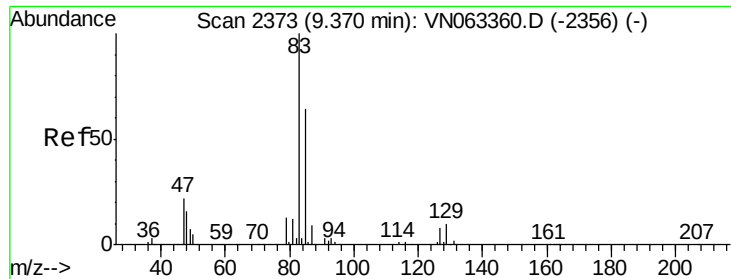


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





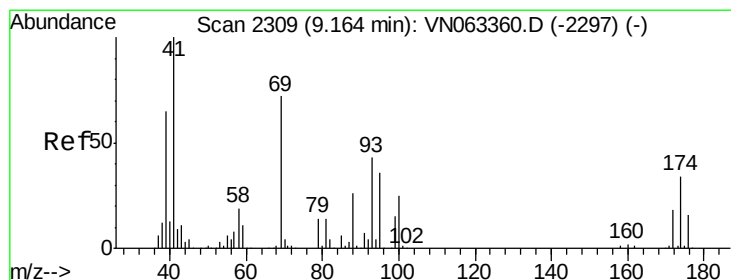
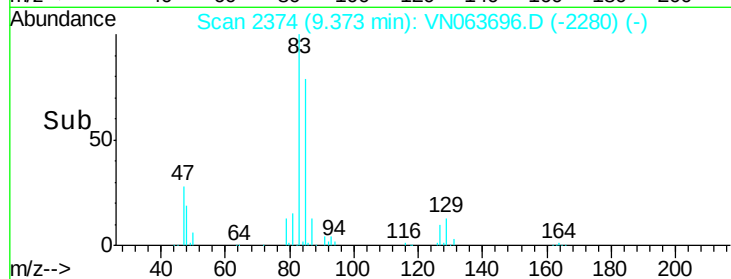
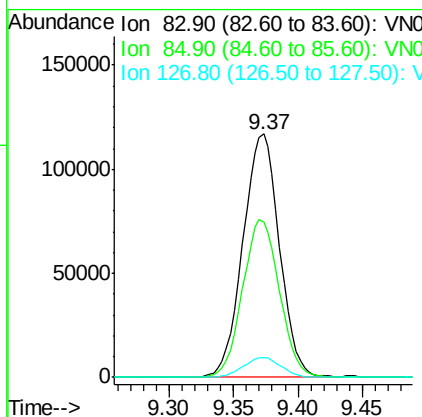
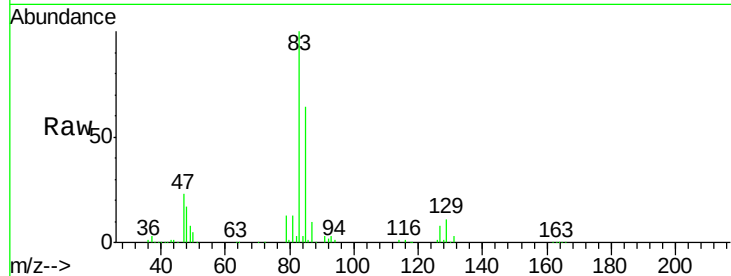
#47
Bromodichloromethane
Concen: 52.503 ug/l
RT: 9.37 min Scan# 2374
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	230393
Ion Ratio	100		
85	63.9	51.0	76.6
127	8.3	6.3	9.5

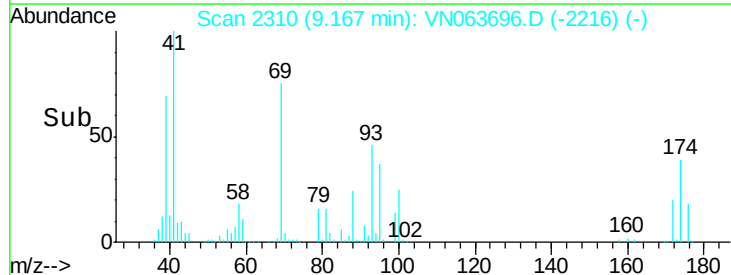
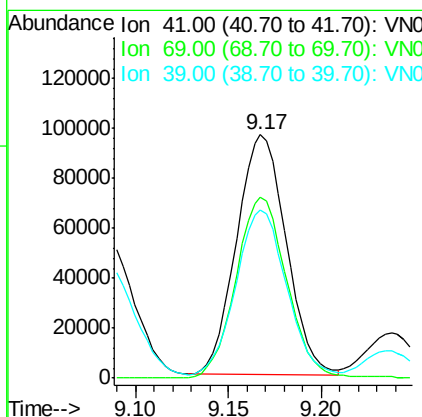
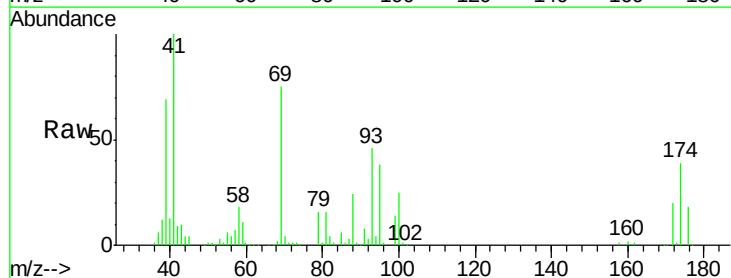
Manual Integrations
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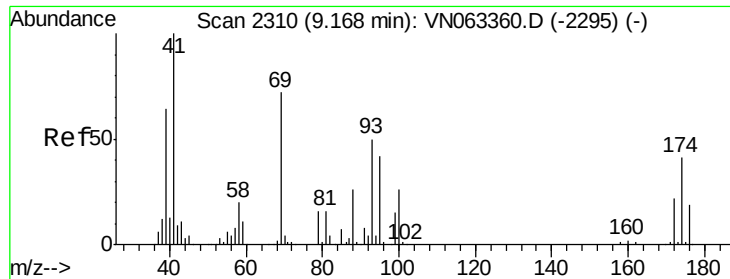
MMDadoda
9/29/2020 10:41:17 AM



#48
Methyl methacrylate
Concen: 50.351 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion	41	Resp	179454
Ion Ratio	100		
69	76.7	59.3	88.9
39	71.6	52.9	79.3





#49

1,4-Dioxane

Concen: 972.949 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

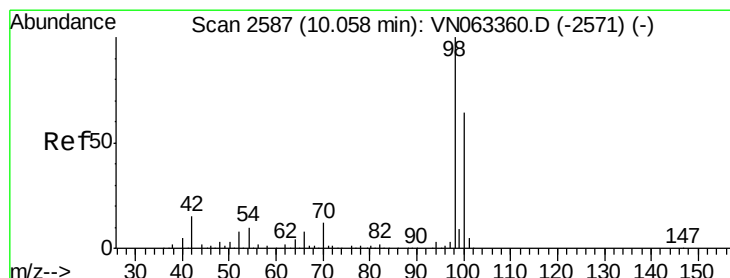
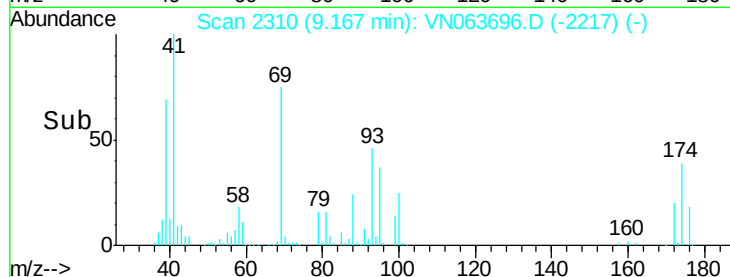
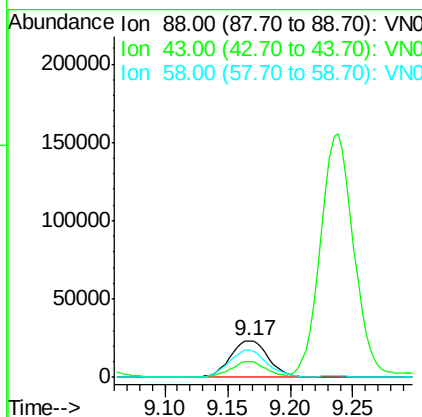
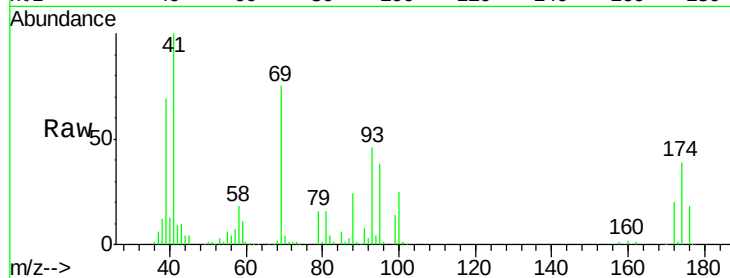
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	49763
Ion	Ratio	Lower	Upper
88	100		
43	38.2	32.6	49.0
58	73.9	60.0	90.0

Manual Integrations
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#50

Toluene-d8

Concen: 48.768 ug/l

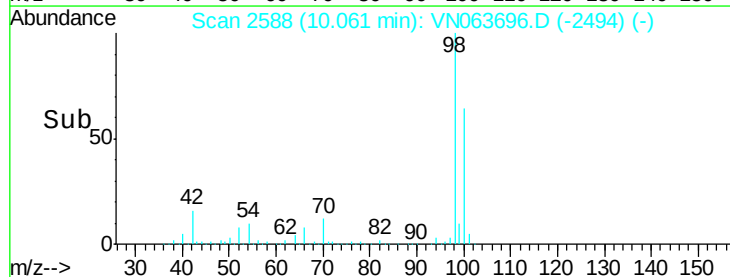
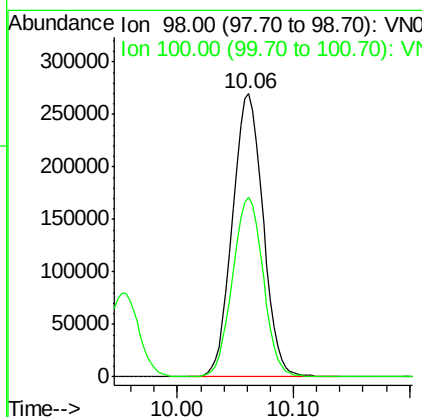
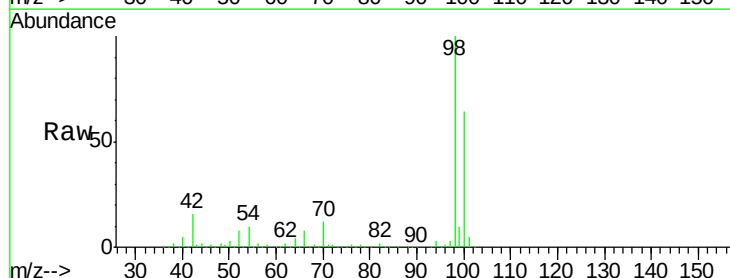
RT: 10.06 min Scan# 2588

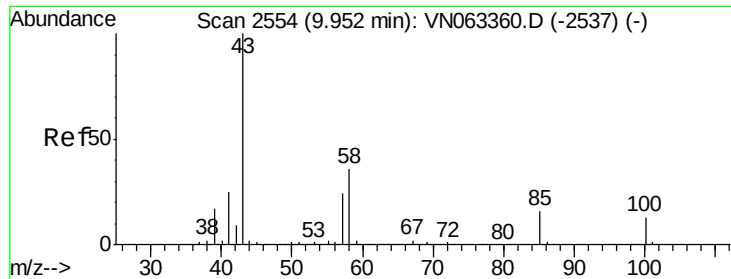
Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Tgt Ion:	98	Resp:	492563
Ion	Ratio	Lower	Upper
98	100		
100	63.1	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 277.228 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 1125877

Ion Ratio Lower Upper

43 100

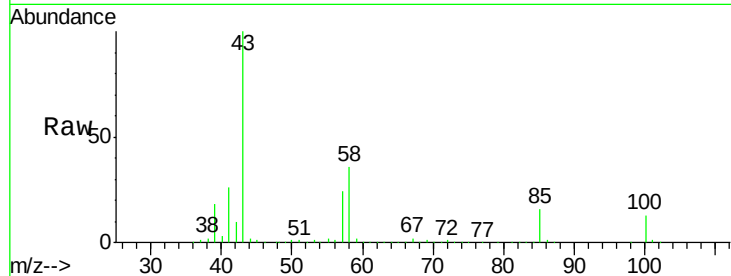
58 35.4 29.0 43.6

Manual Integrations

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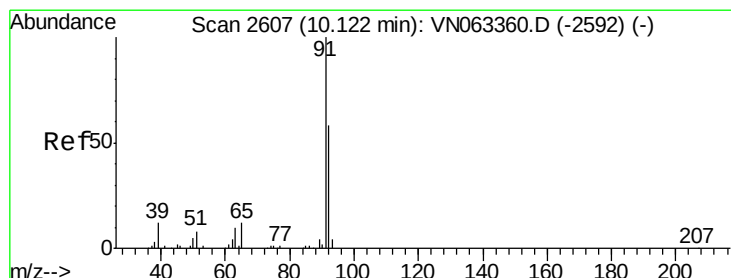
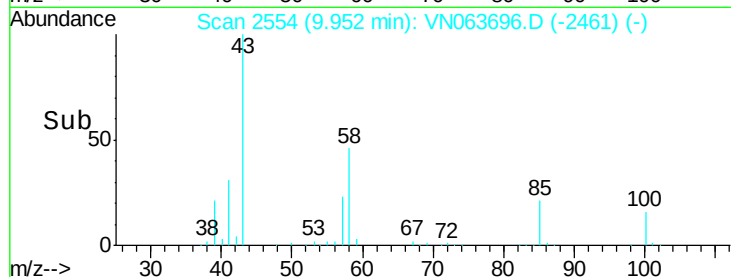
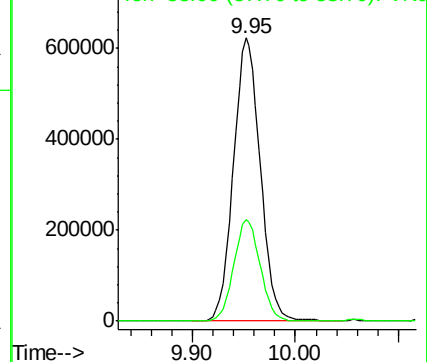
MMDadoda

9/29/2020 10:41:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.625 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063696.D

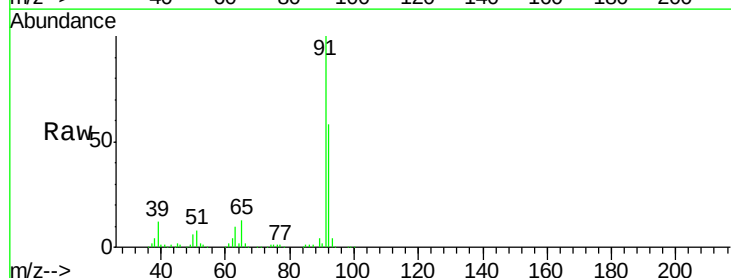
Acq: 25 Sep 2020 22:18

Tgt Ion: 92 Resp: 344973

Ion Ratio Lower Upper

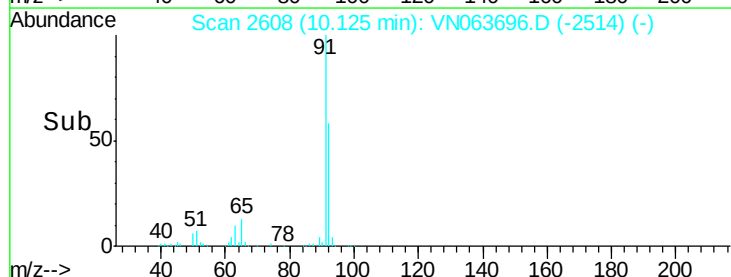
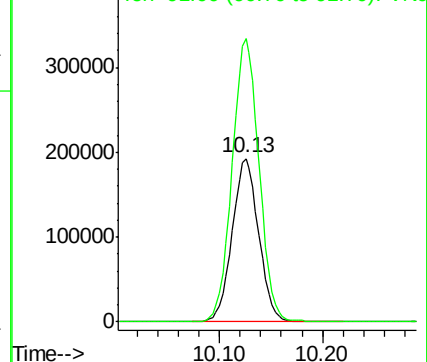
92 100

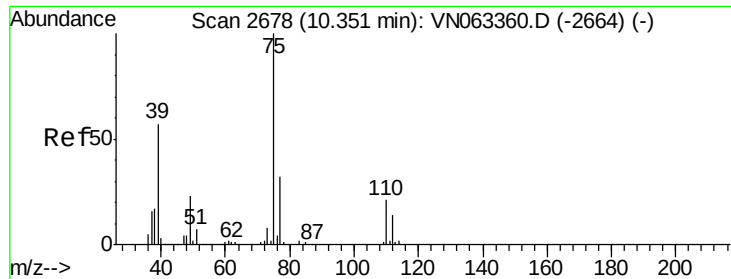
91 175.8 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 48.900 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 239558

Ion Ratio Lower Upper

75 100

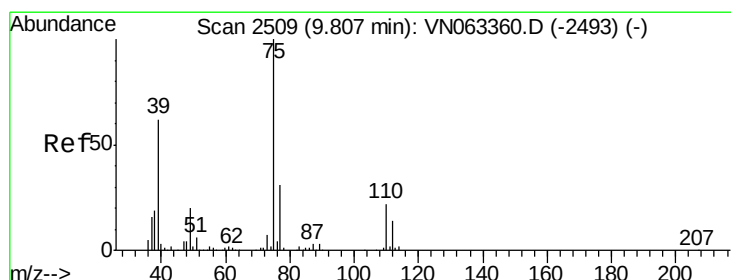
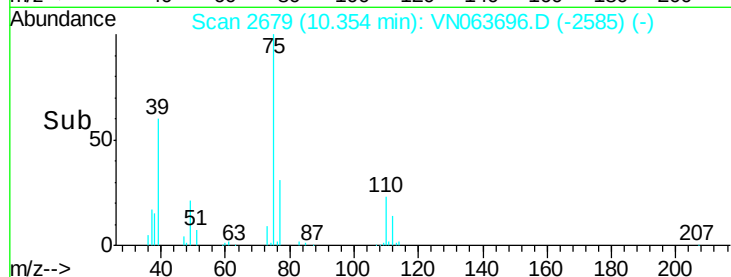
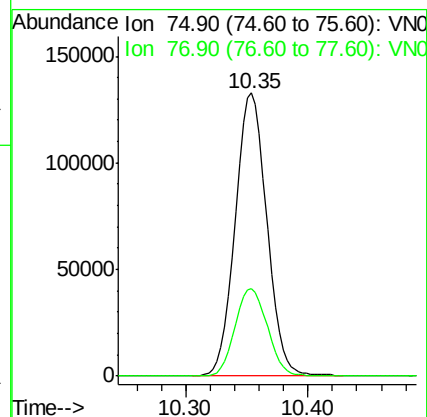
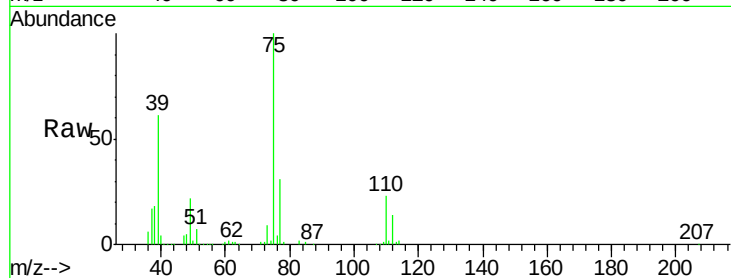
77 30.8 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 48.484 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

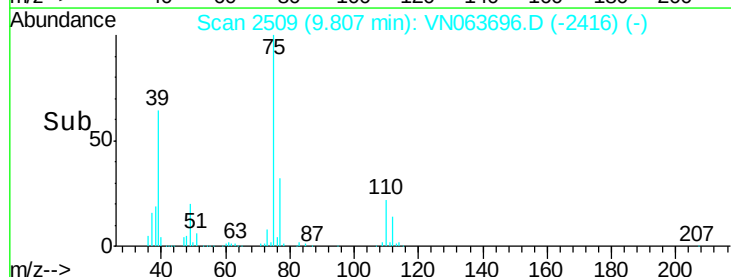
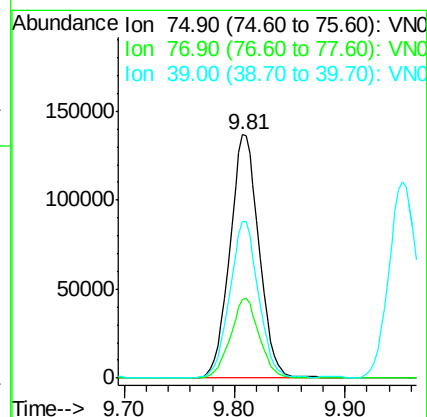
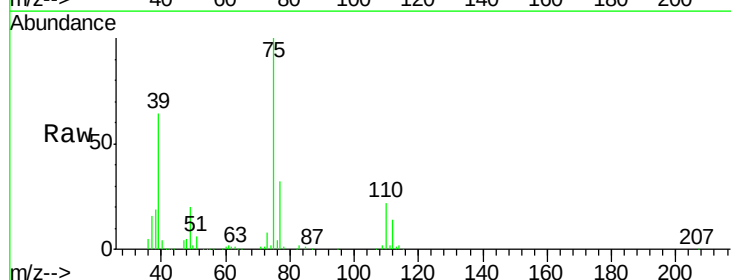
Tgt Ion: 75 Resp: 250536

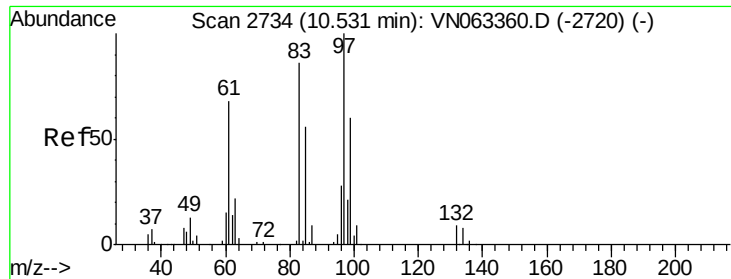
Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0

39 64.0 49.8 74.8





#55

1,1,2-Trichloroethane

Concen: 55.171 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

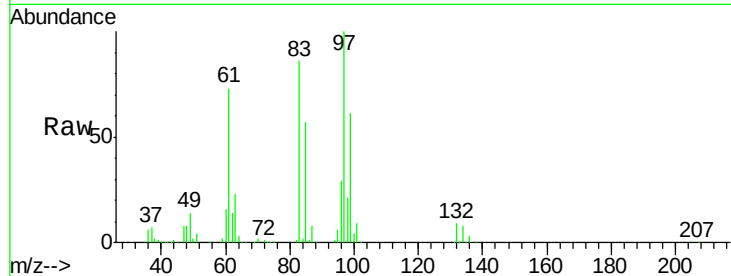
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	155471
Ion	Ratio	Lower	Upper
97	100		
83	86.4	68.9	103.3
85	57.2	44.8	67.2
99	61.2	47.8	71.8

Manual Integrations
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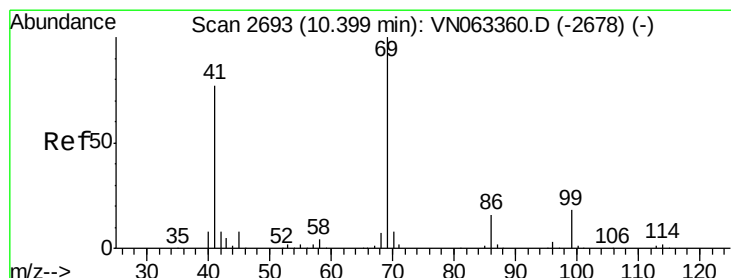
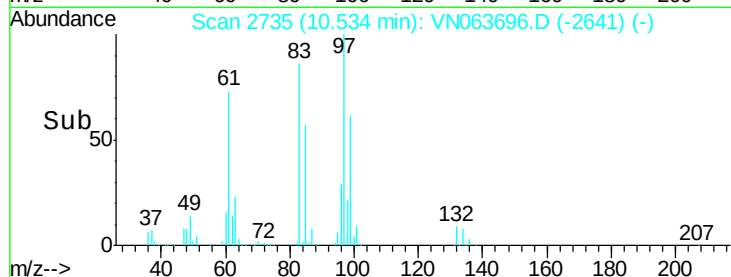
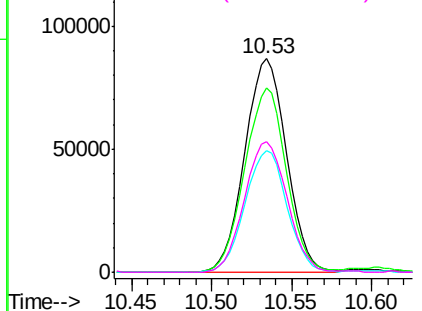


Abundance Ion 96.90 (96.60 to 97.60): VN063360.D (-2720) (-)

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

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

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



#56

Ethyl methacrylate

Concen: 52.328 ug/l

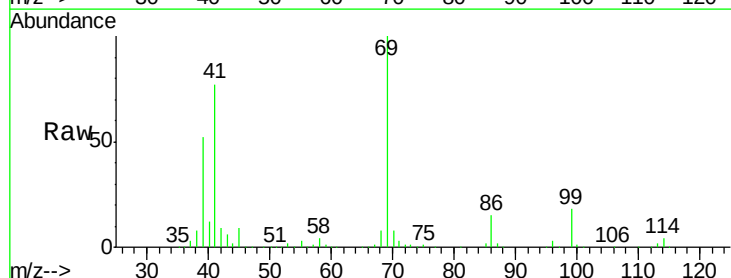
RT: 10.40 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

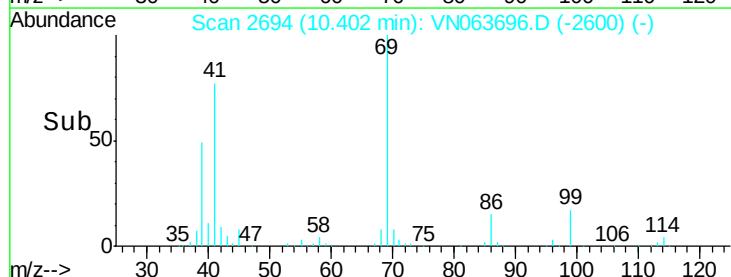
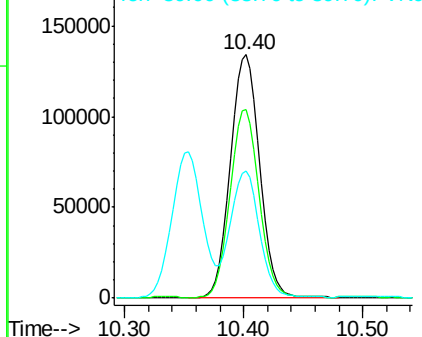
Tgt Ion:	69	Resp:	230200
Ion	Ratio	Lower	Upper
69	100		
41	76.0	61.0	91.6
39	51.4	39.2	58.8

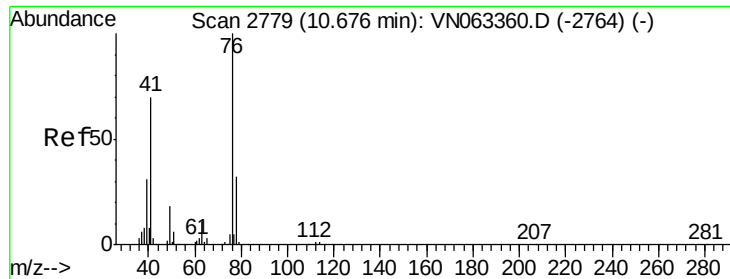


Abundance Ion 69.00 (68.70 to 69.70): VN063360.D (-2678) (-)

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

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





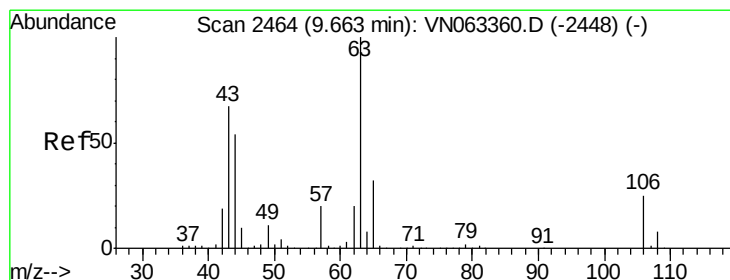
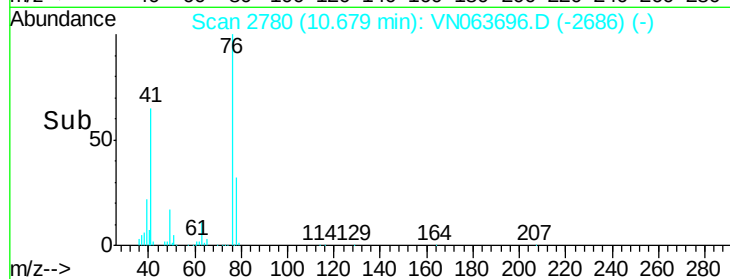
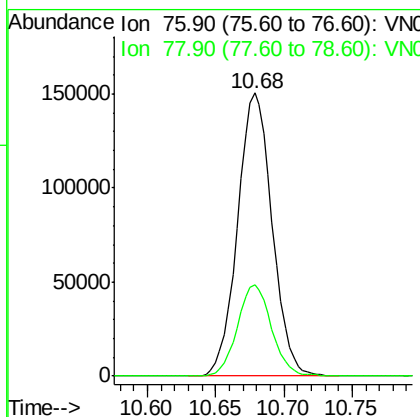
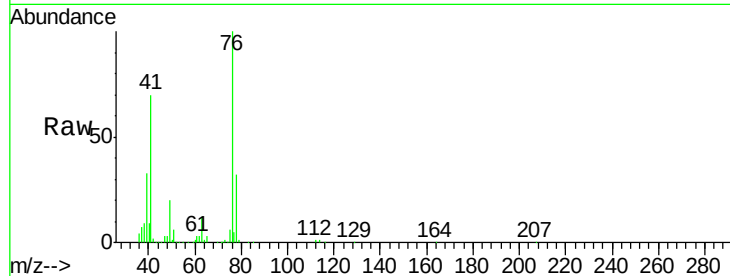
#57
 1,3-Dichloropropane
 Concen: 52.010 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.8	38.8

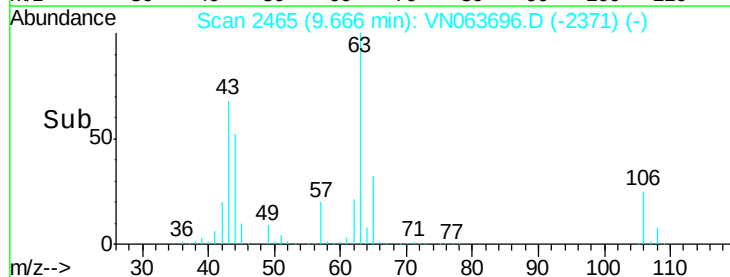
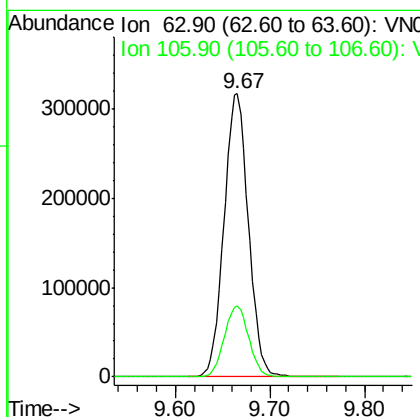
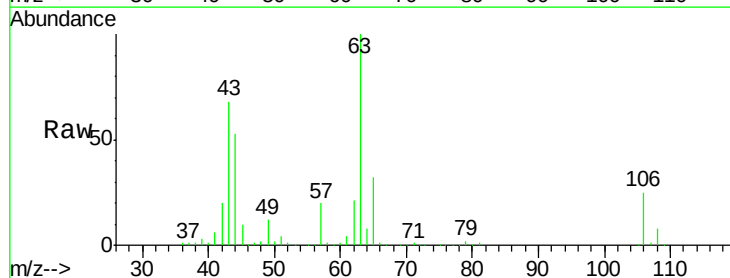
Manual Integrations
 APPROVED

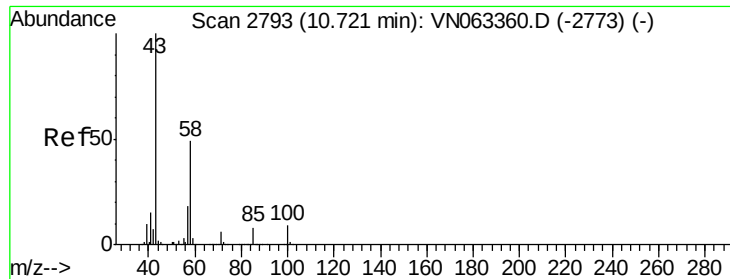
MMDadoda
 9/29/2020 10:41:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 246.271 ug/l
 RT: 9.67 min Scan# 2465
 Delta R.T. 0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.1	19.5	29.3





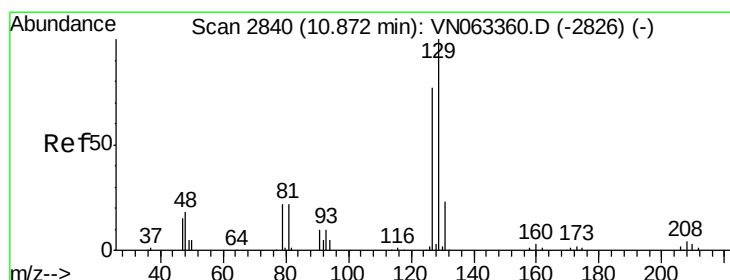
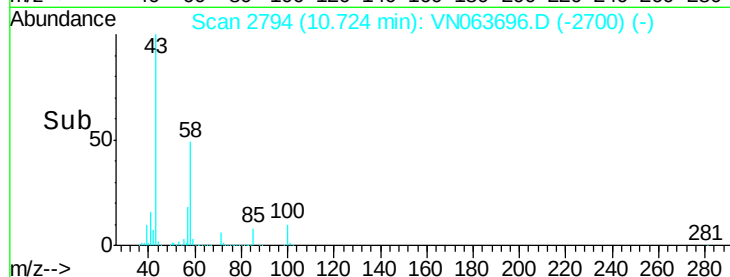
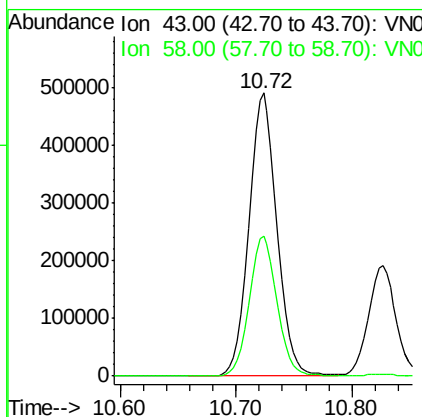
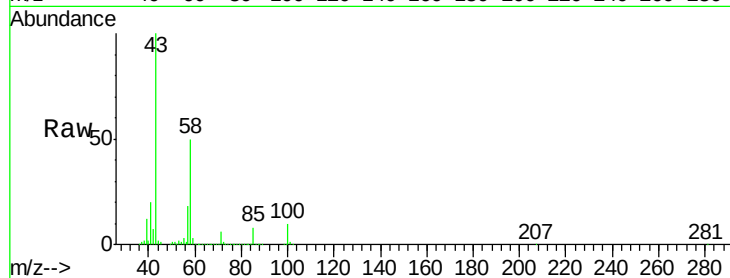
#59
2-Hexanone
Concen: 279.880 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 823470
Ion Ratio Lower Upper
43 100
58 49.2 24.7 74.1

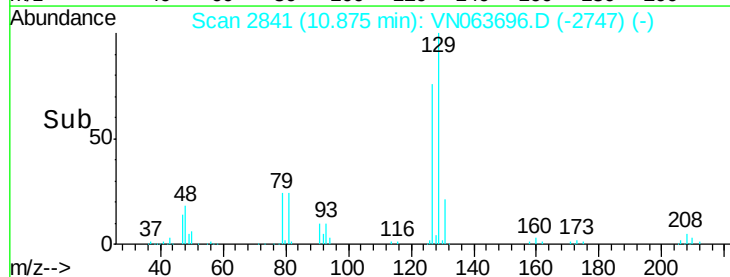
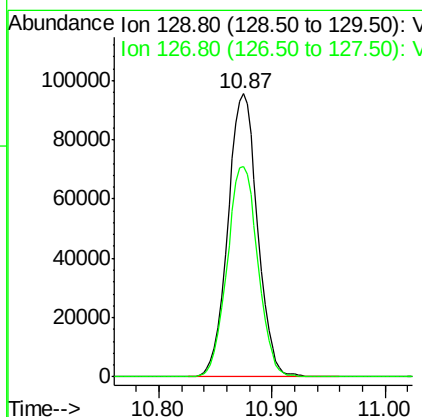
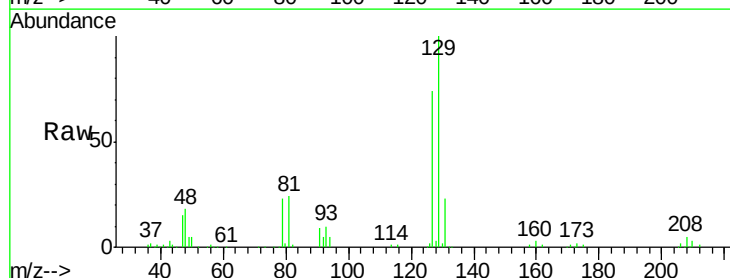
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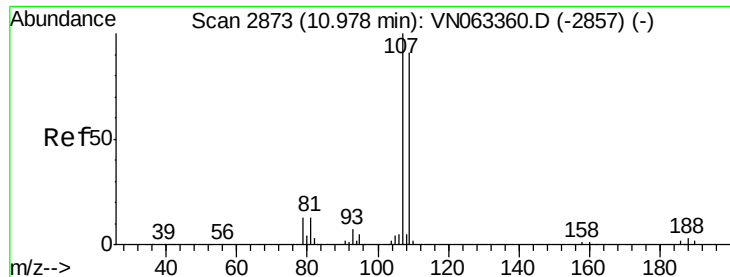
MMDadoda
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#60
Dibromochloromethane
Concen: 54.704 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion: 129 Resp: 174155
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.3





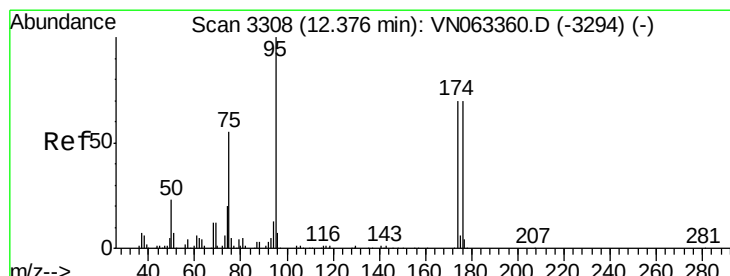
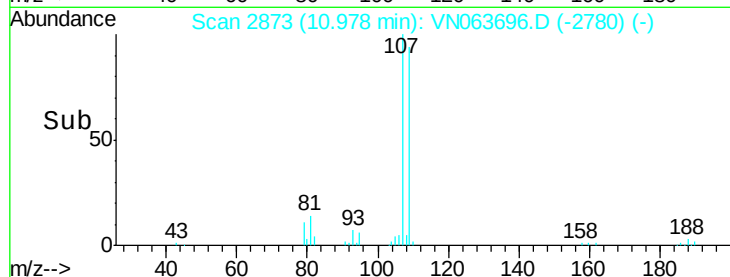
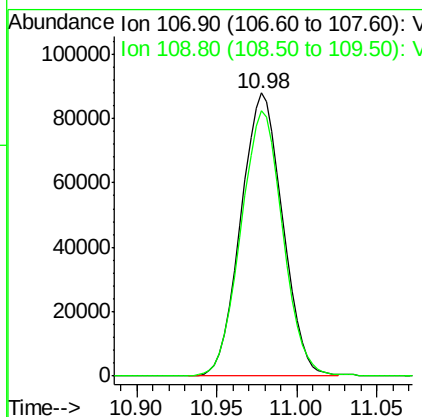
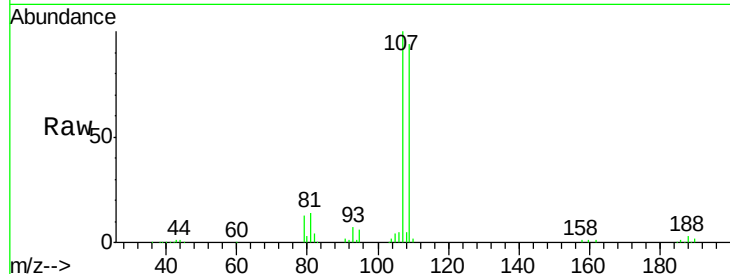
#61
 1,2-Dibromoethane
 Concen: 53.622 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.6	111.8

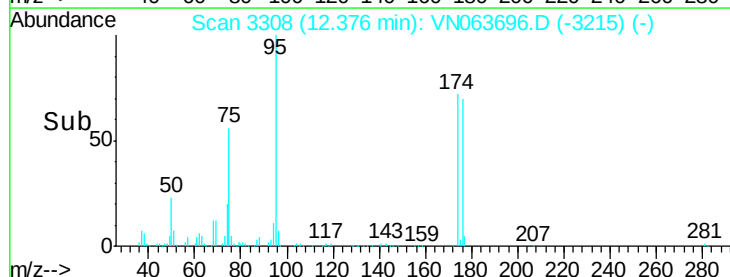
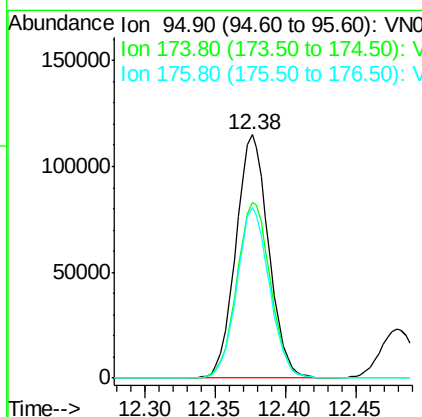
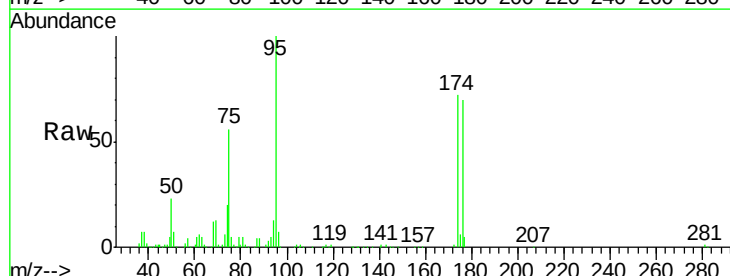
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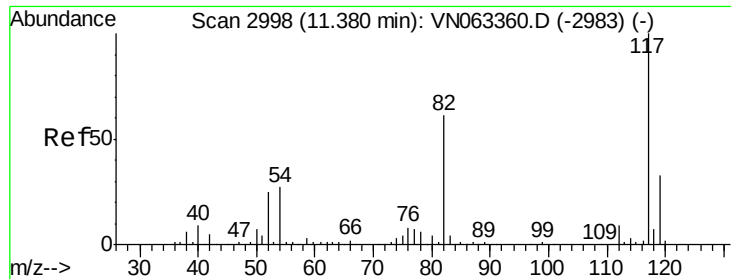
MMDadoda
 9/29/2020 10:41:17 AM



#62
 4-Bromofluorobenzene
 Concen: 50.789 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	140.8
176	69.6	0.0	137.6





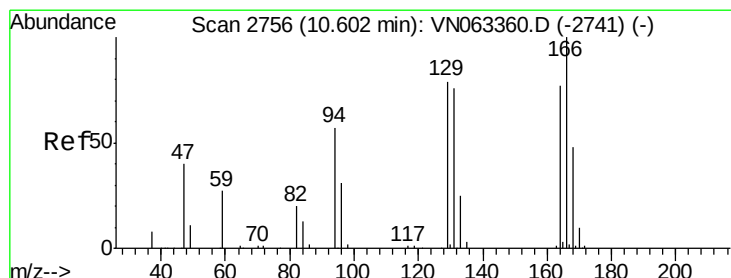
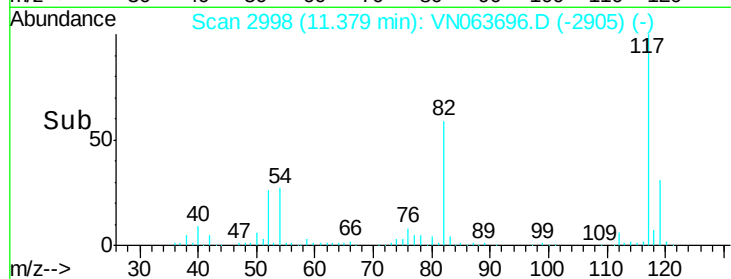
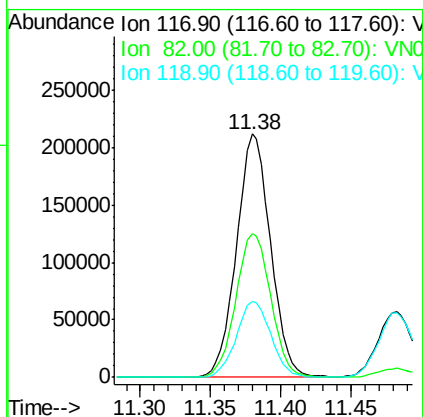
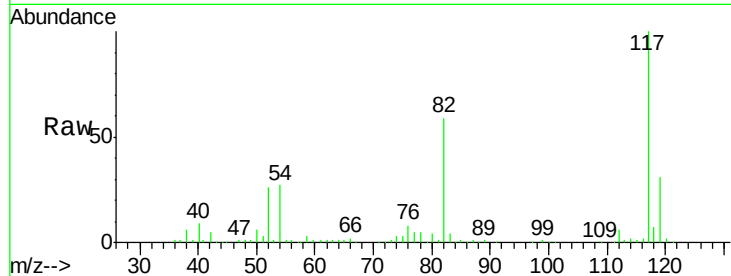
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.3	49.2	73.8
119	31.4	26.2	39.4

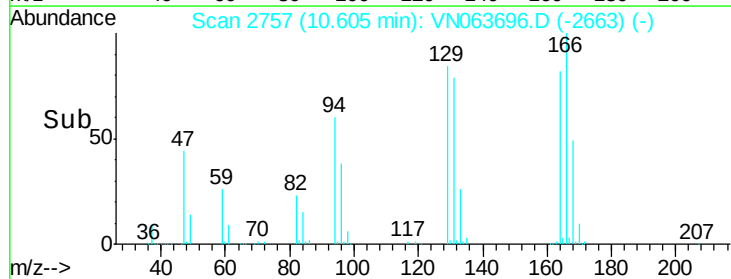
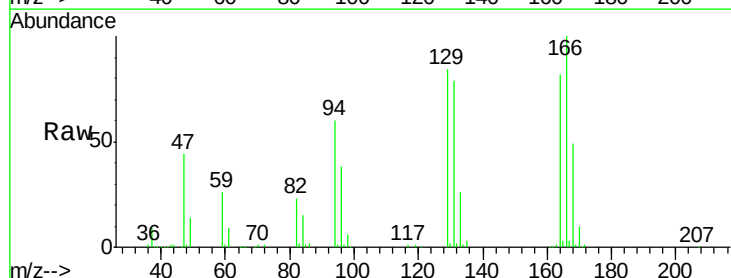
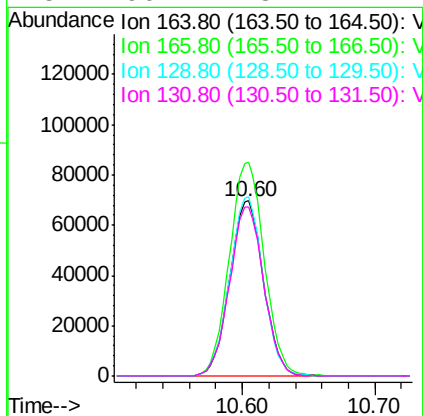
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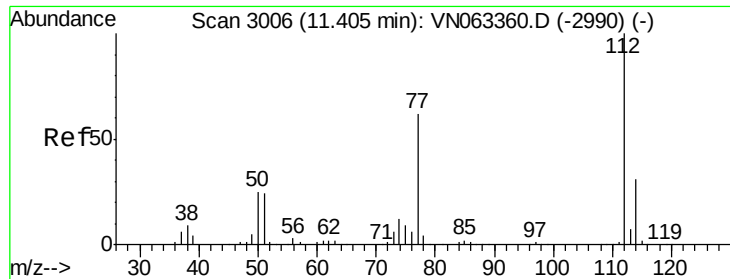
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#64
Tetrachloroethene
Concen: 50.436 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	103.4	155.0
129	102.0	81.8	122.6
131	96.7	78.2	117.4





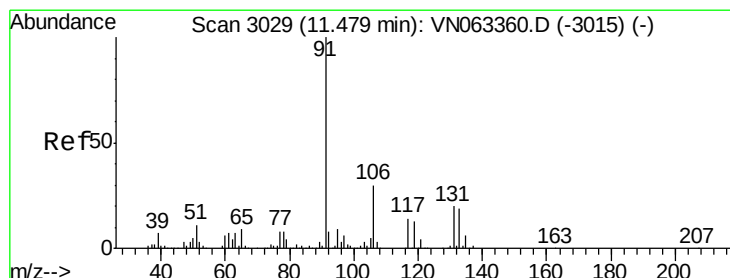
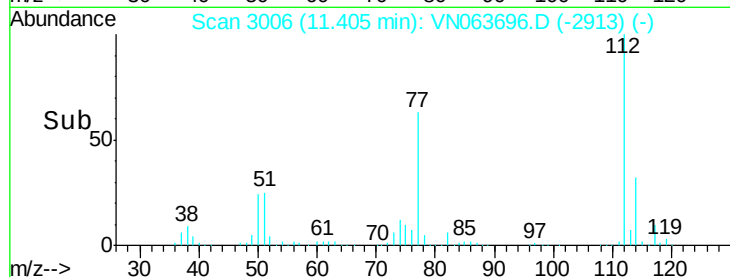
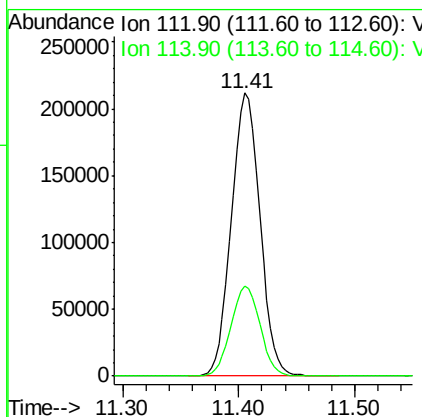
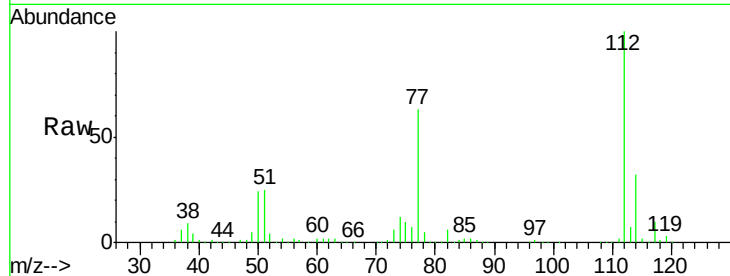
#65
Chlorobenzene
Concen: 47.429 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 361797
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.6

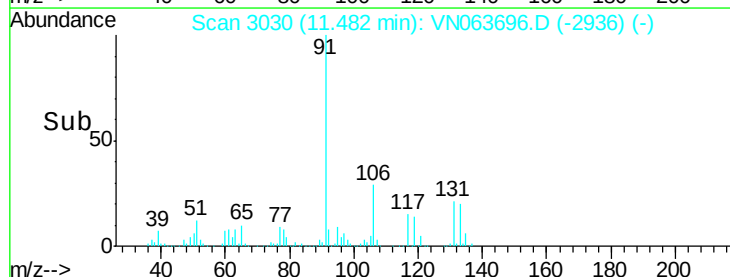
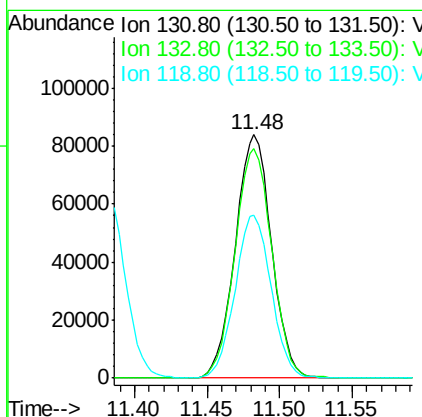
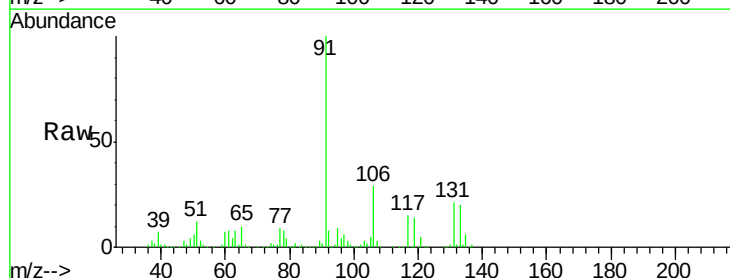
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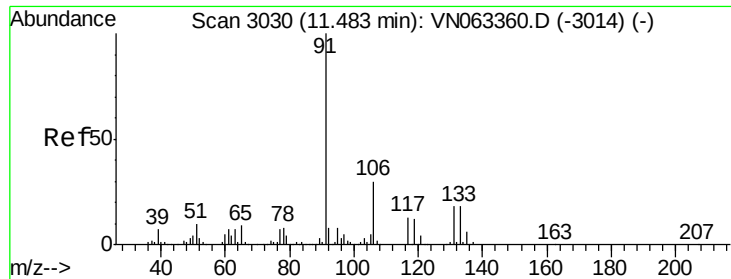
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.196 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion:131 Resp: 145949
Ion Ratio Lower Upper
131 100
133 95.8 47.3 141.9
119 66.6 33.6 100.8





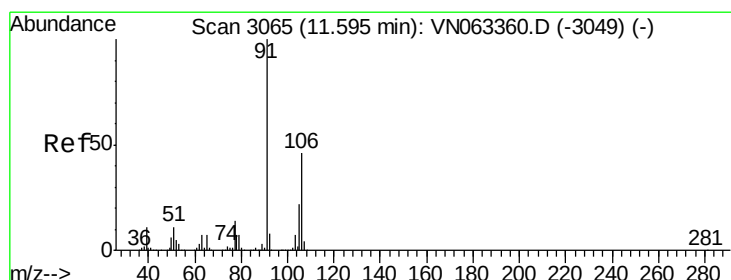
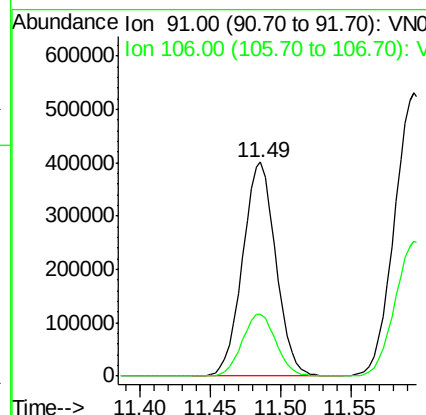
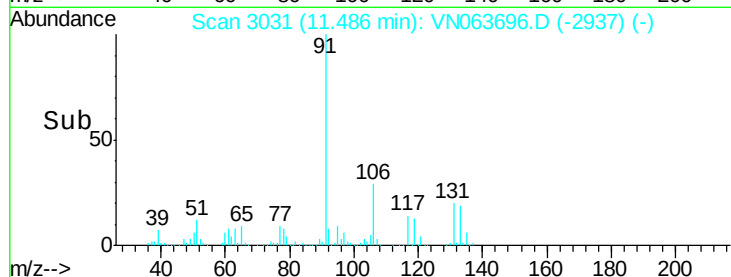
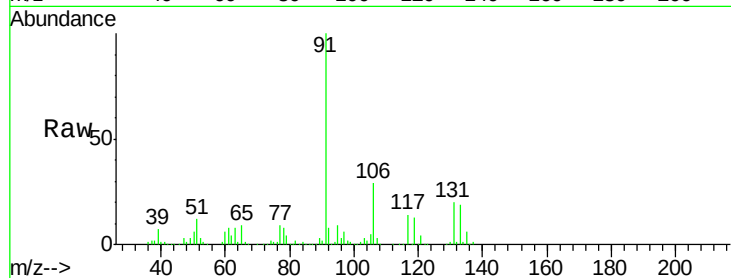
#67
Ethyl Benzene
Concen: 46.145 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 662877
Ion Ratio Lower Upper
91 100
106 29.3 23.8 35.6

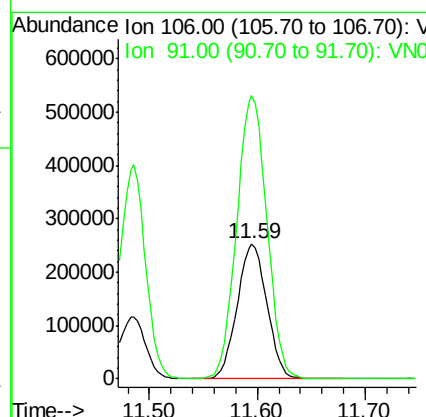
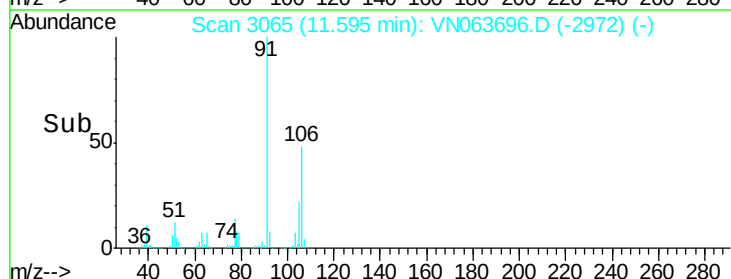
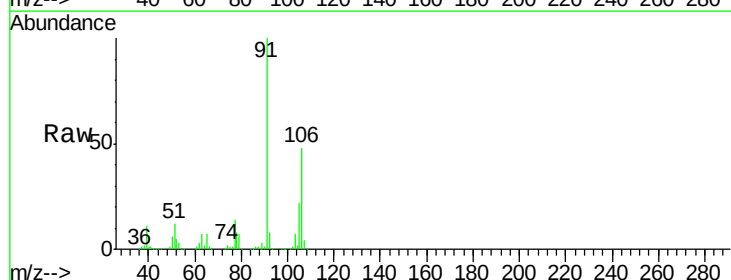
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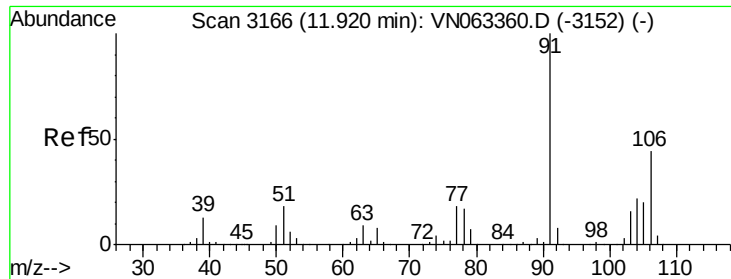
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9/29/2020 10:41:17 AM



#68
m/p-Xylenes
Concen: 93.658 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion: 106 Resp: 485094
Ion Ratio Lower Upper
106 100
91 212.9 171.2 256.8





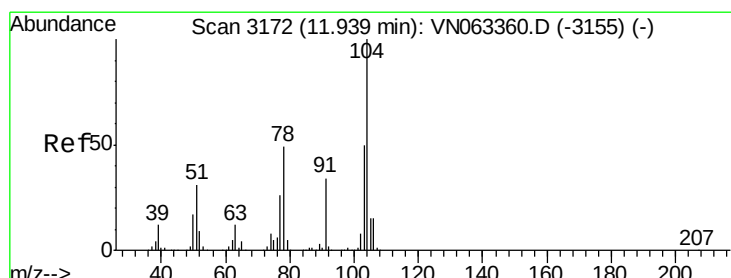
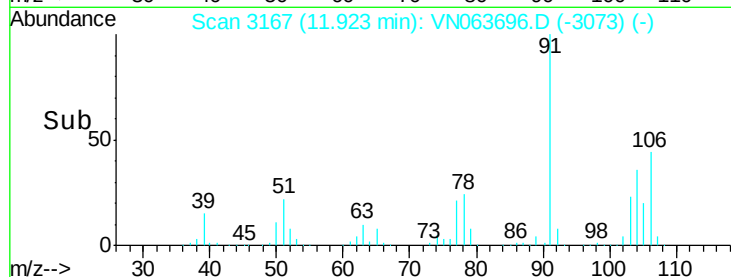
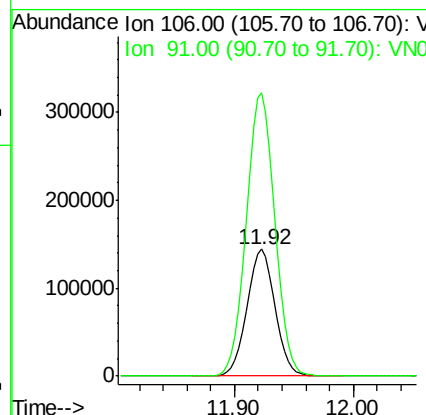
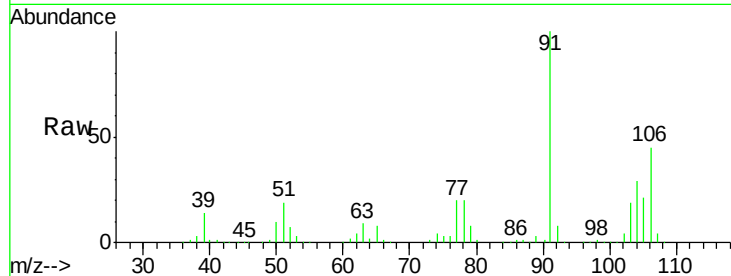
#69
o-Xylene
Concen: 47.629 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 234997
Ion Ratio Lower Upper
106 100
91 227.3 113.6 340.8

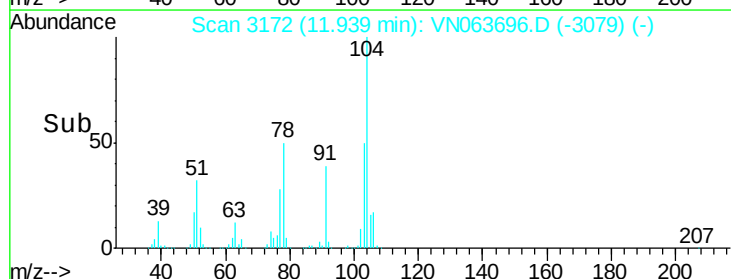
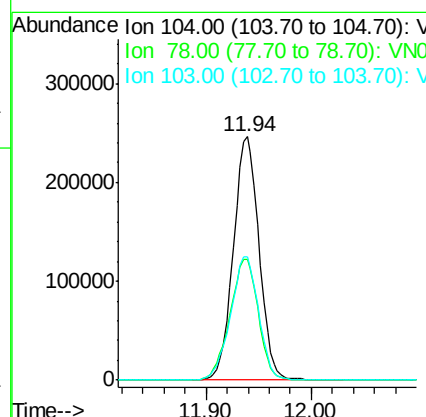
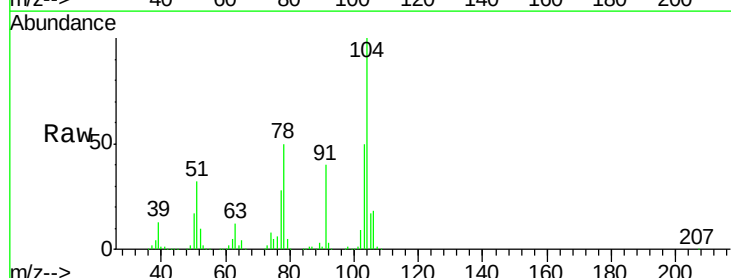
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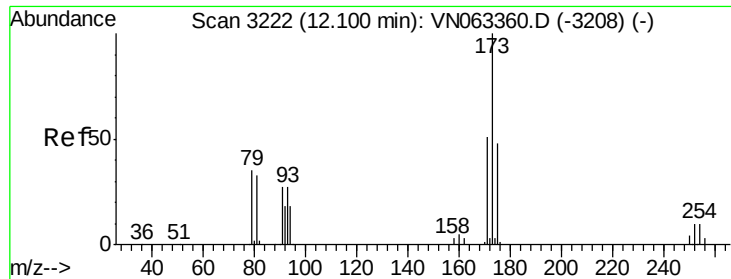
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#70
Styrene
Concen: 50.089 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion:104 Resp: 414438
Ion Ratio Lower Upper
104 100
78 55.2 44.4 66.6
103 55.4 43.7 65.5





#71

Bromoform

Concen: 54.173 ug/l

RT: 12.10 min Scan# 3223

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

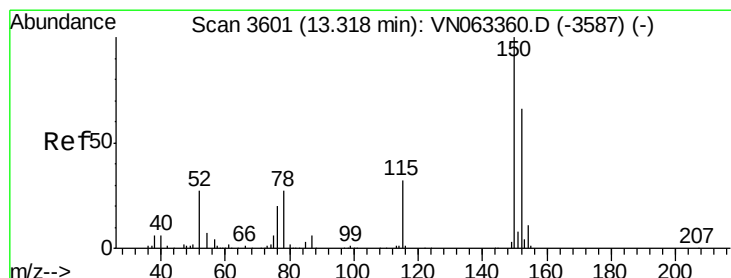
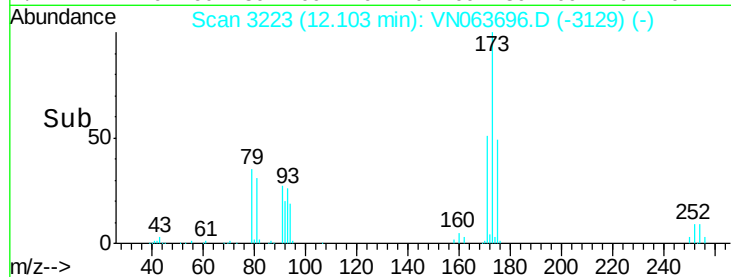
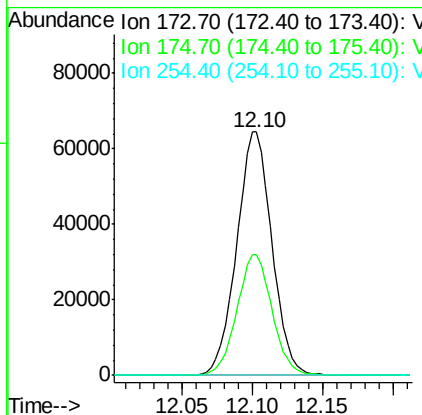
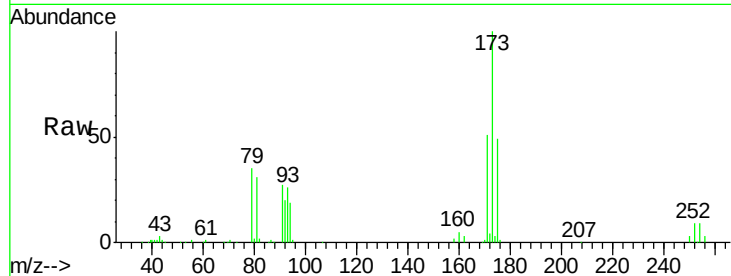
ClientSampleId :

VSTDCCC050EC

Tot Ion:173	Resp:	112847
Ion Ratio	Lower	Upper
173 100		
175 49.2	24.0	72.0
254 0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

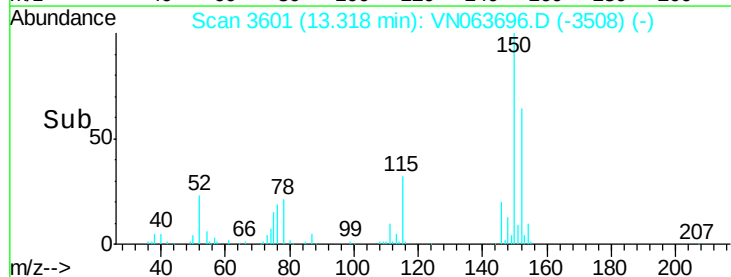
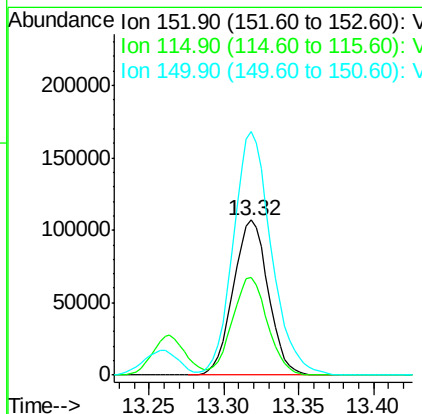
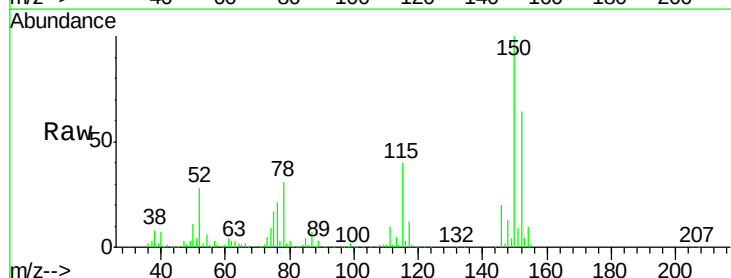
RT: 13.32 min Scan# 3601

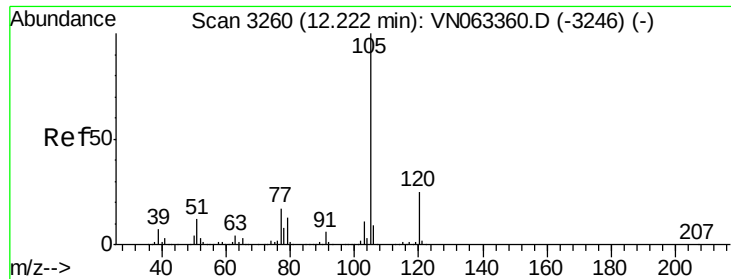
Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Tgt Ion:152	Resp:	174693
Ion Ratio	Lower	Upper
152 100		
115 63.9	32.2	96.6
150 170.2	0.0	343.4





#73

Isopropylbenzene

Concen: 44.184 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 618529

Ion Ratio Lower Upper

105 100

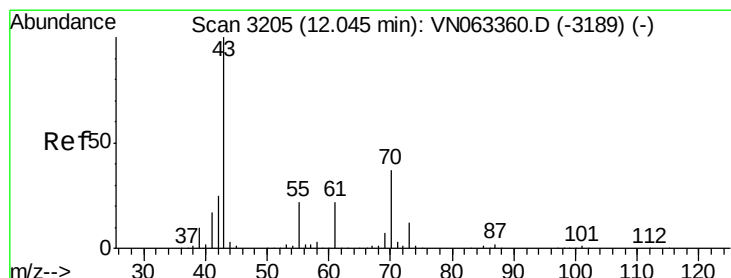
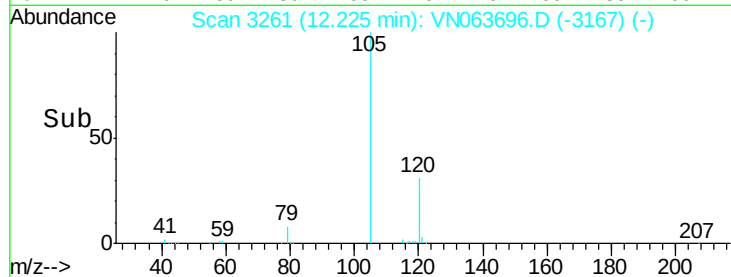
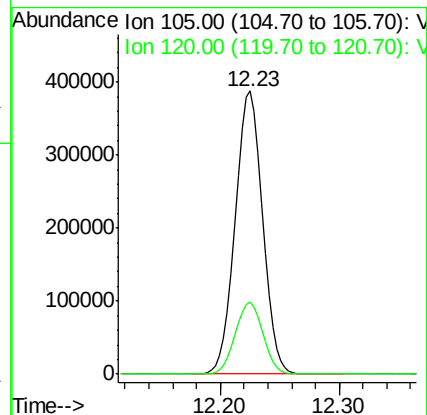
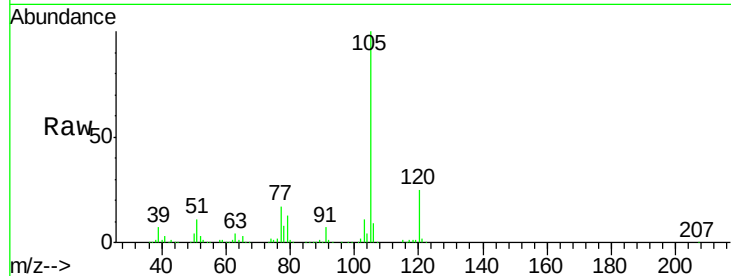
120 25.7 12.7 38.0

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#74

N-ethyl acetate

Concen: 49.279 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Tgt Ion: 43 Resp: 326554

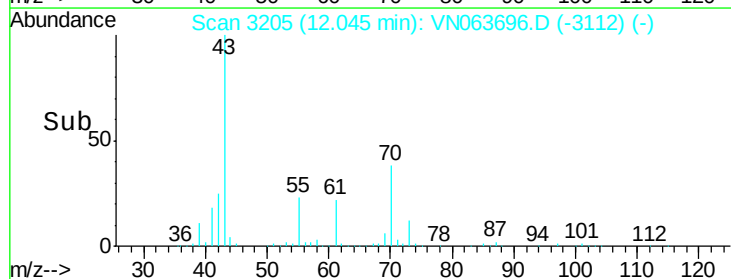
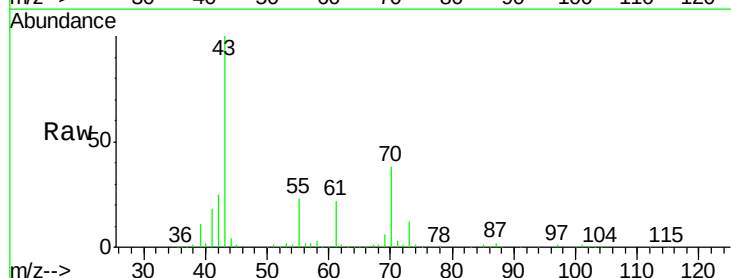
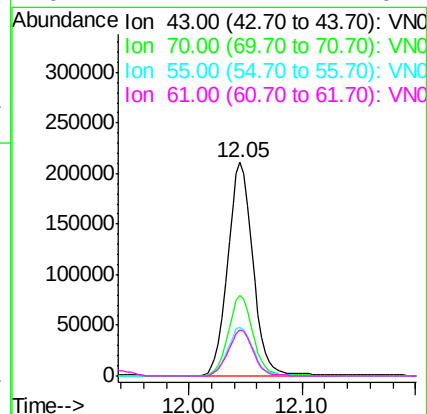
Ion Ratio Lower Upper

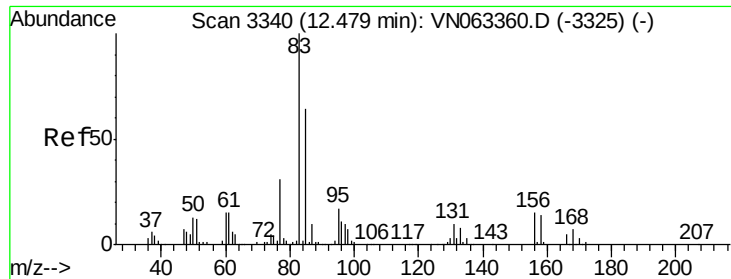
43 100

70 37.2 29.6 44.4

55 23.3 17.7 26.5

61 21.4 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 51.136 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

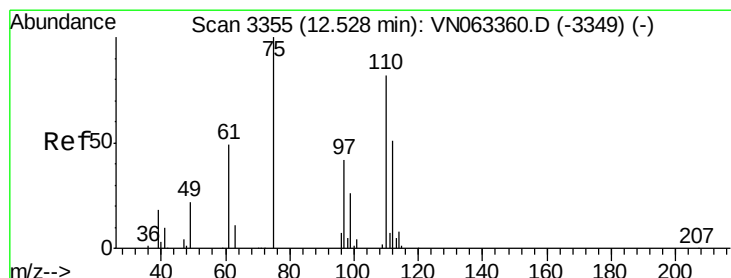
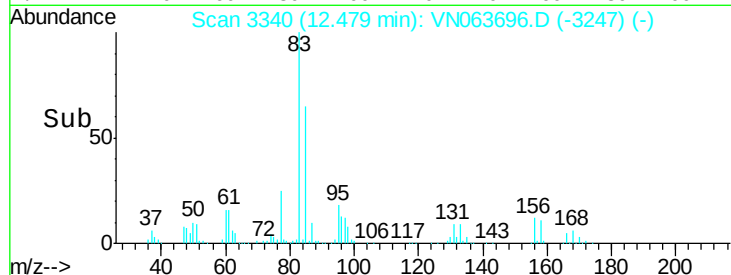
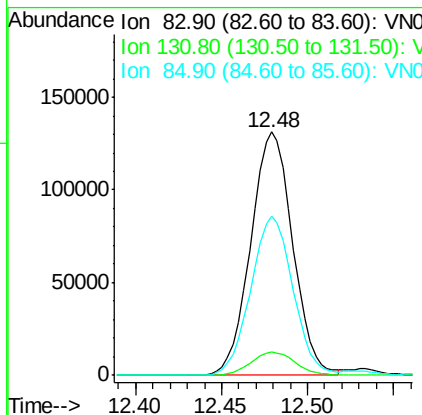
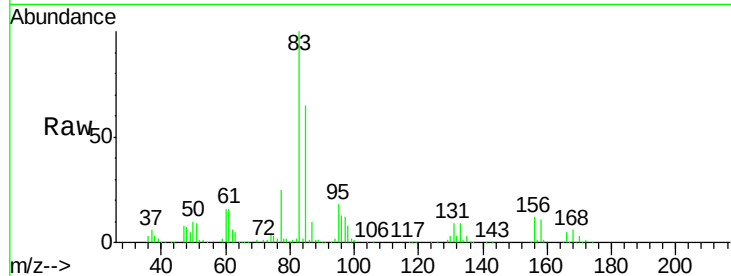
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	221649
Ion Ratio	Lower	Upper	
83	100		
131	10.0	4.9	14.7
85	65.6	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 49.008 ug/l m

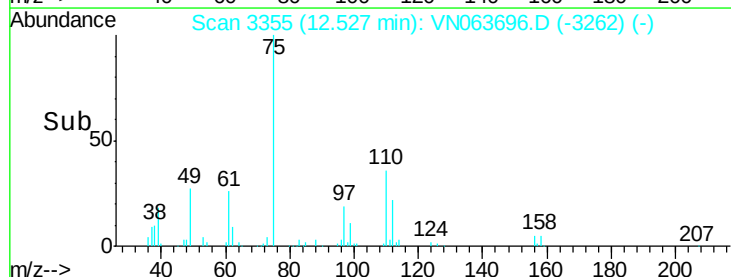
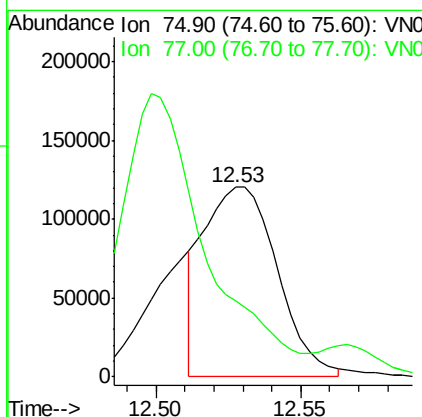
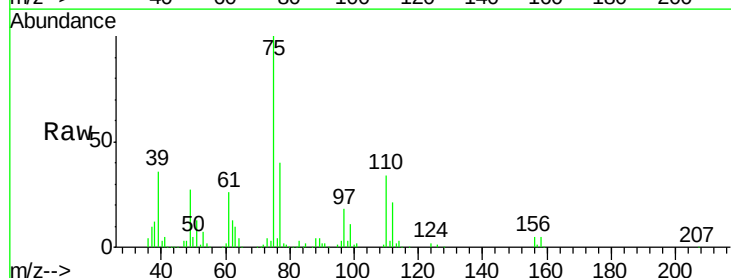
RT: 12.53 min Scan# 3355

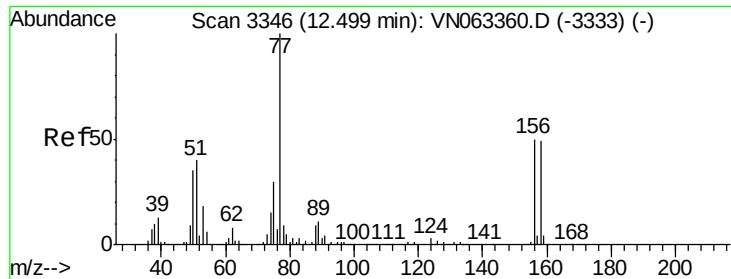
Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Tgt Ion:	75	Resp:	211907
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.949 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 154138

Ion Ratio Lower Upper

156 100

77 242.0 120.2 360.6

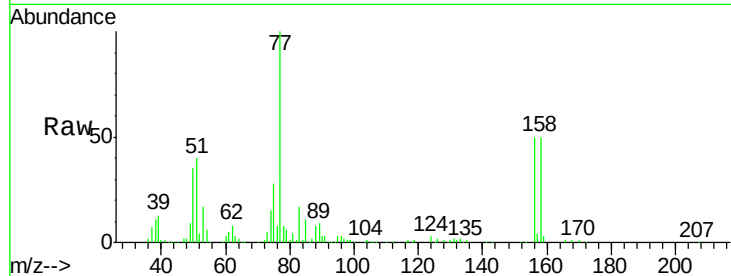
158 98.6 48.9 146.6

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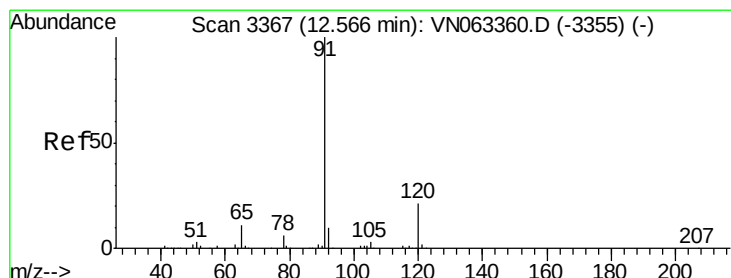
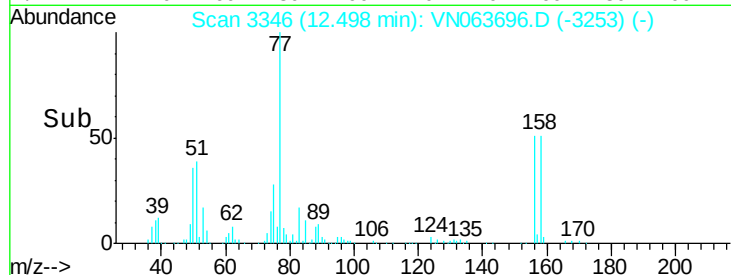
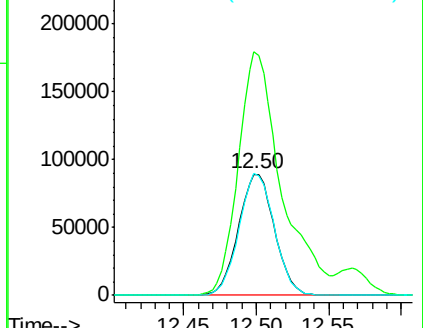
9/29/2020 10:41:17 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 44.301 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063696.D

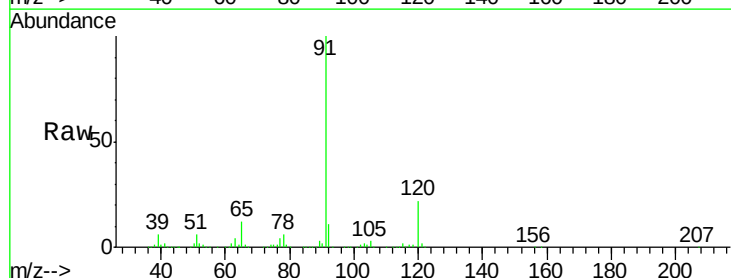
Acq: 25 Sep 2020 22:18

Tgt Ion: 91 Resp: 722313

Ion Ratio Lower Upper

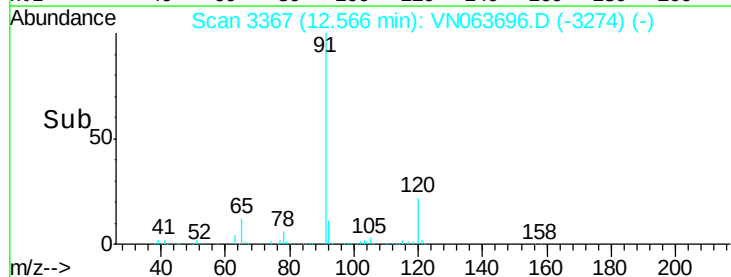
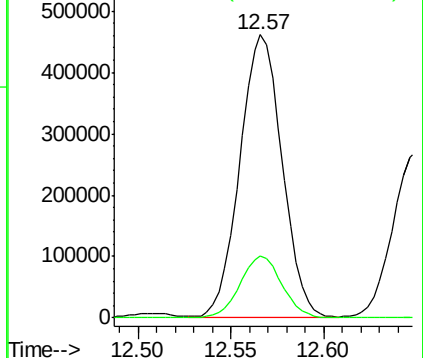
91 100

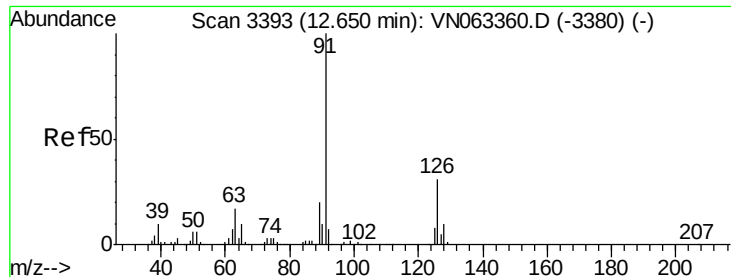
120 21.7 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.590 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 445590

Ion Ratio Lower Upper

91 100

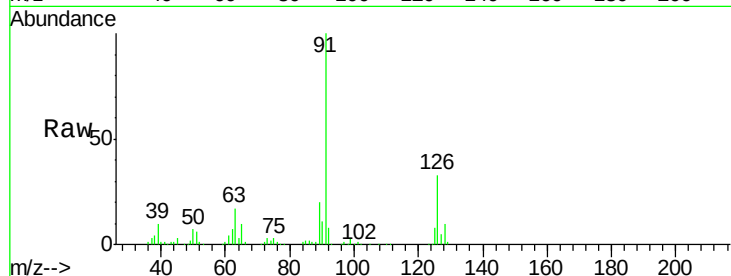
126 32.0 15.8 47.3

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

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

500000

400000

300000

200000

100000

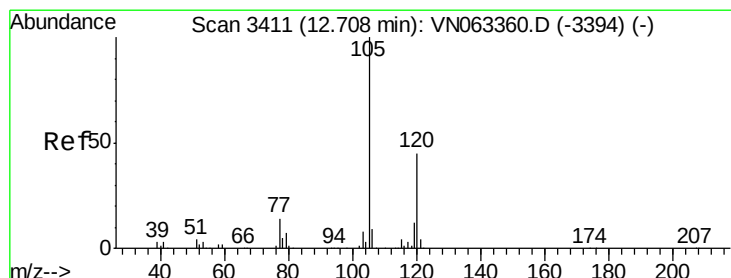
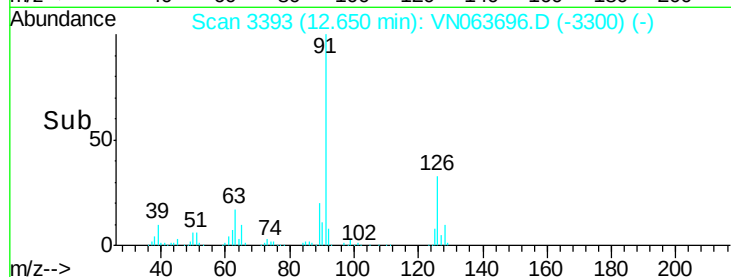
0

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 45.904 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063696.D

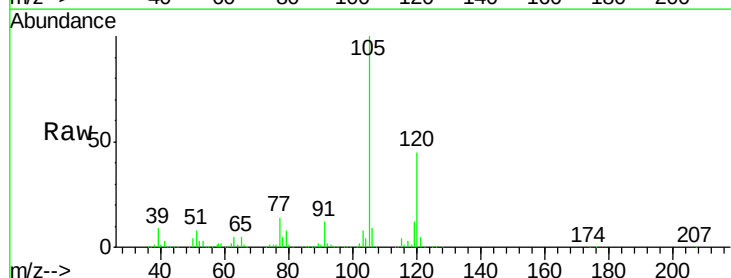
Acq: 25 Sep 2020 22:18

Tgt Ion: 105 Resp: 535854

Ion Ratio Lower Upper

105 100

120 45.7 22.9 68.8



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

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

400000

300000

200000

100000

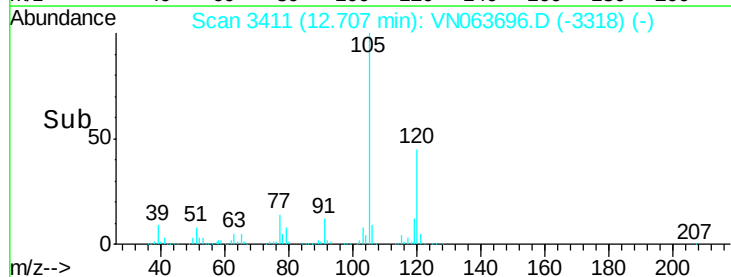
0

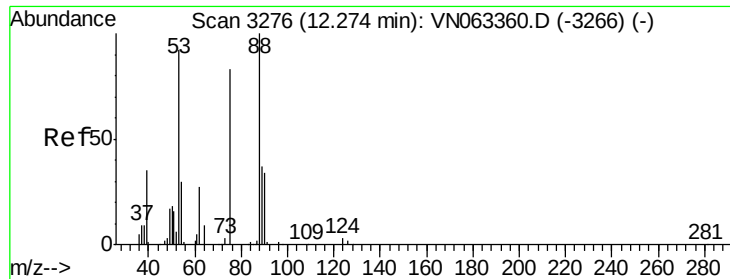
12.70

12.71

12.80

Time-->





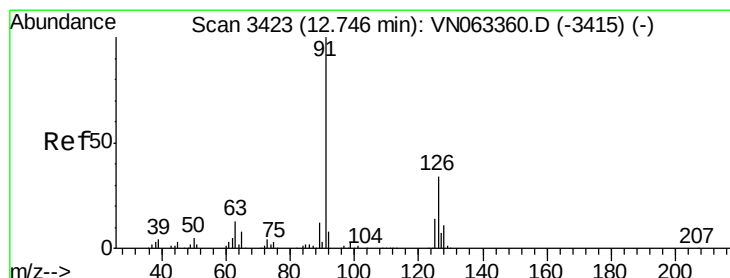
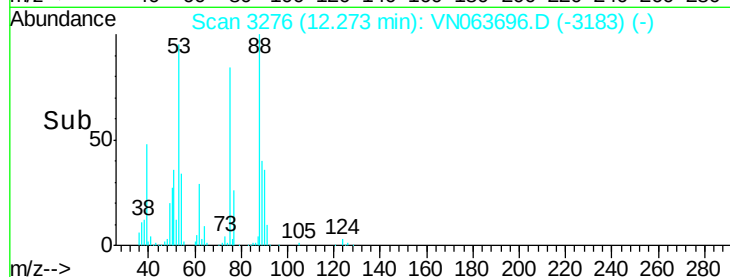
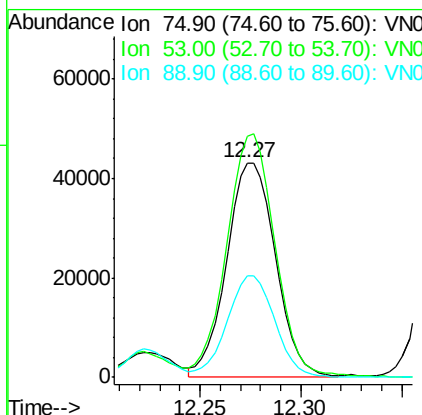
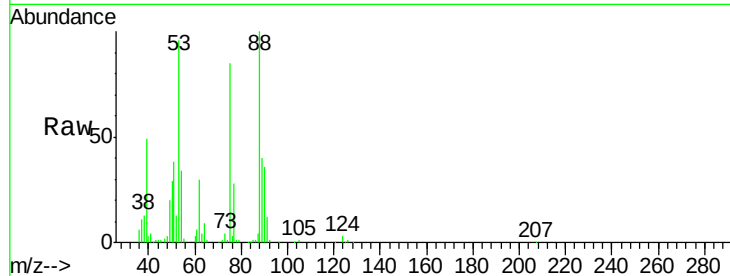
#81
trans-1,4-Dichloro-2-butene
Concen: 46.401 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. -0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.2	85.7	128.5
89	46.5	38.0	57.0

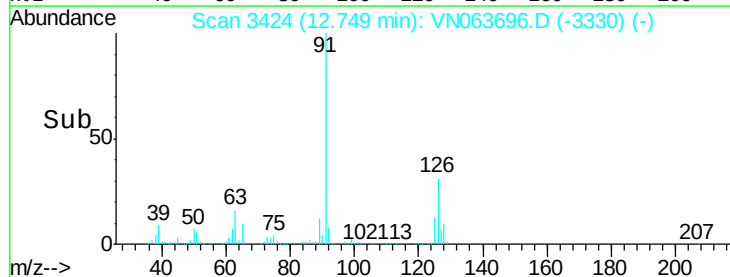
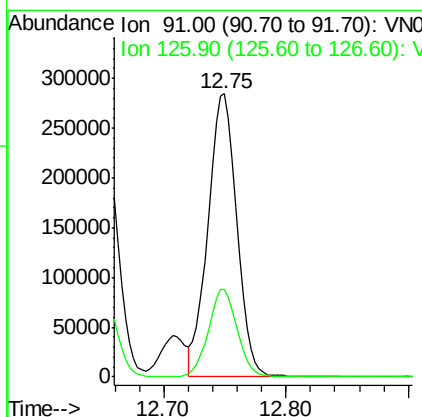
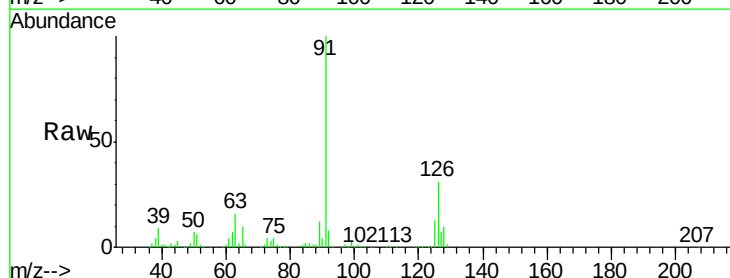
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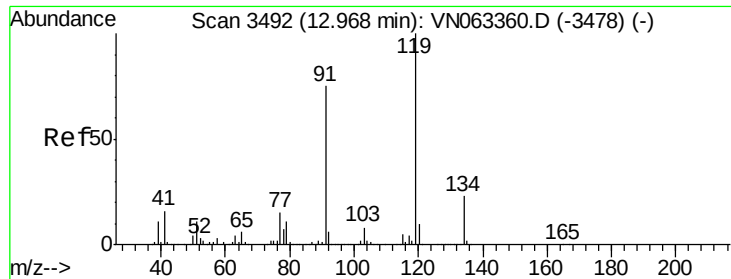
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#82
4-Chlorotoluene
Concen: 45.498 ug/l
RT: 12.75 min Scan# 3424
Delta R.T. 0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.0	15.5	46.5





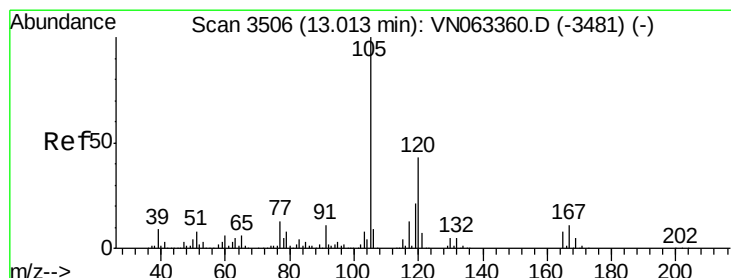
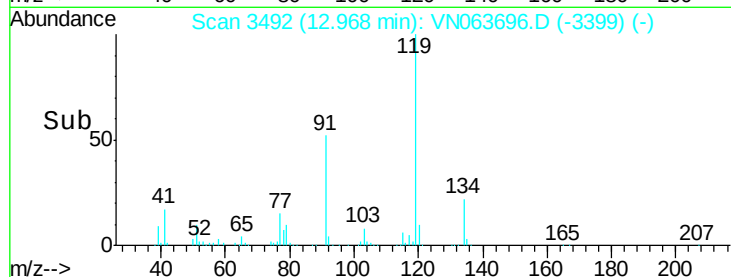
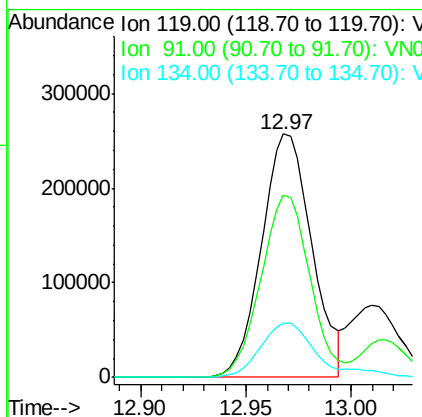
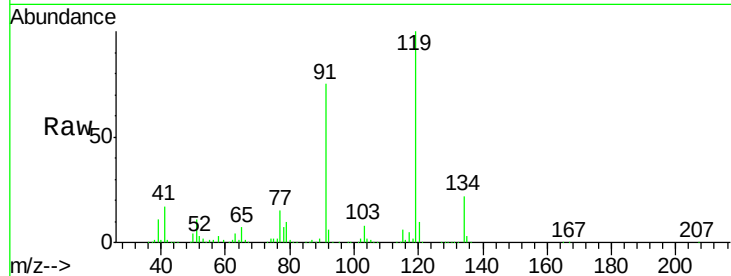
#83
 tert-Butylbenzene
 Concen: 44.226 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.0	36.3	108.9
134	25.2	12.3	36.8

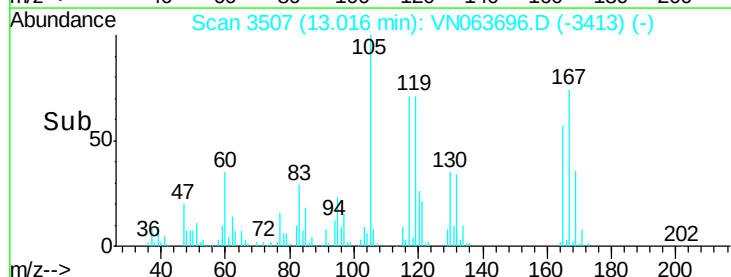
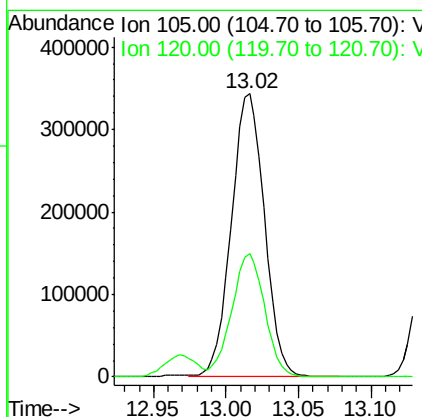
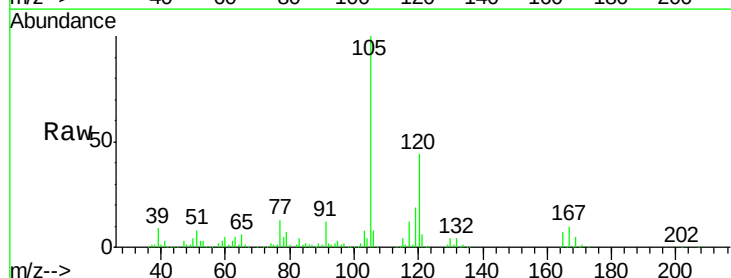
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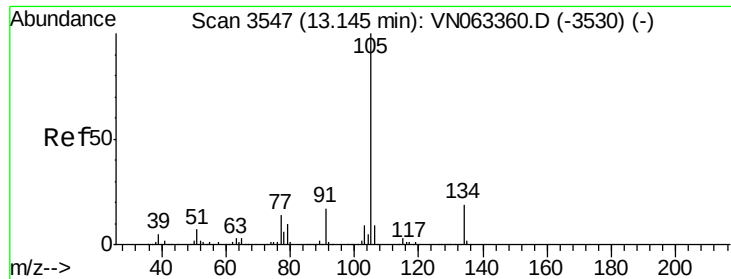
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#84
 1,2,4-Trimethylbenzene
 Concen: 45.921 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.3	63.9





#85

sec-Butylbenzene

Concen: 43.616 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 562483

Ion Ratio Lower Upper

105 100

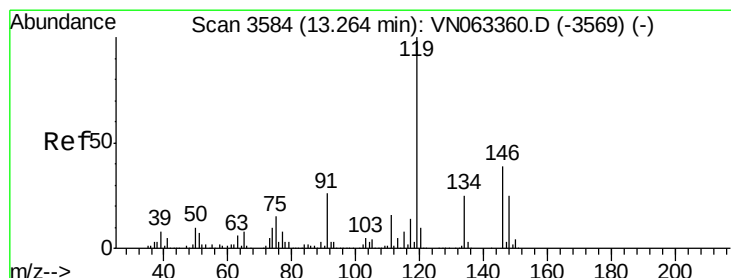
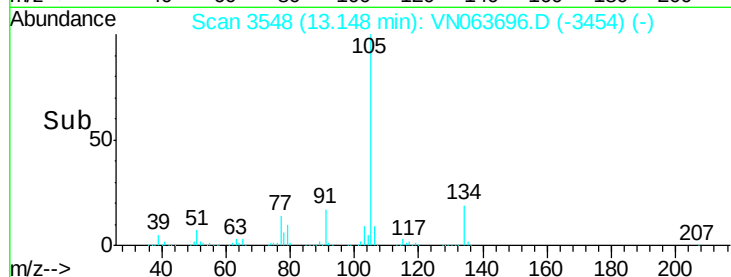
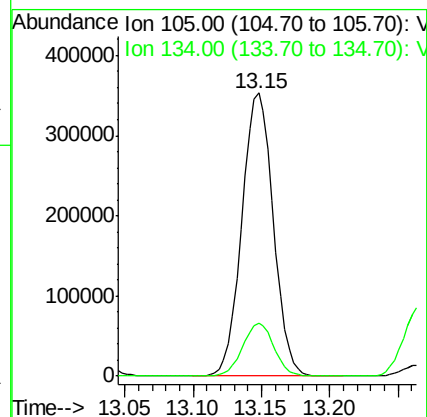
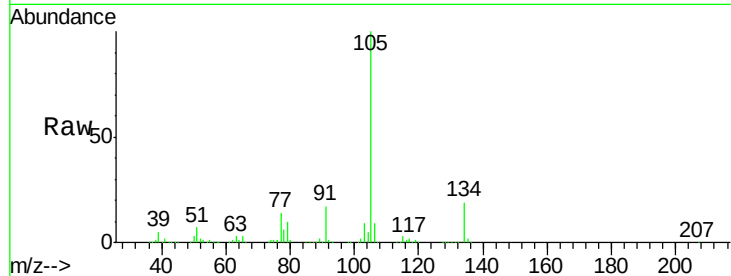
134 18.7 9.3 27.7

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#86

p-Isopropyltoluene

Concen: 44.697 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

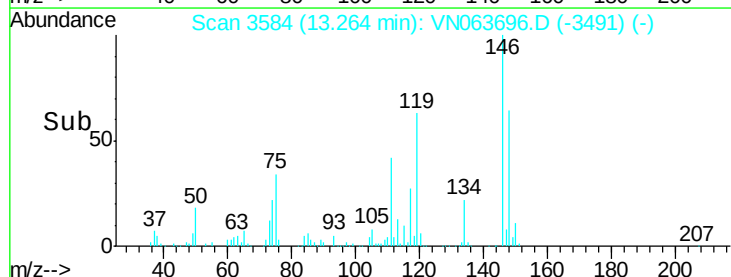
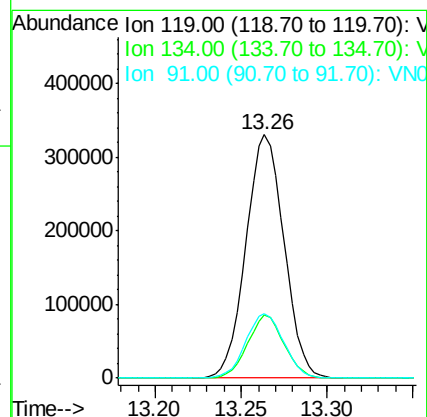
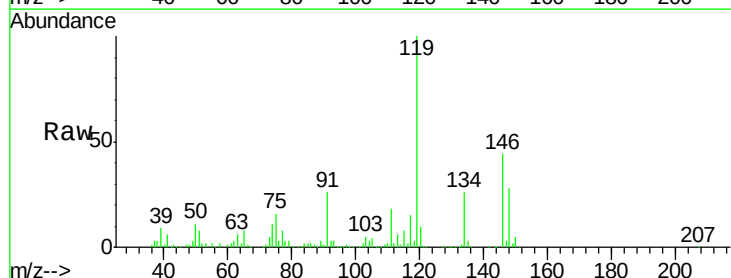
Tgt Ion:119 Resp: 508419

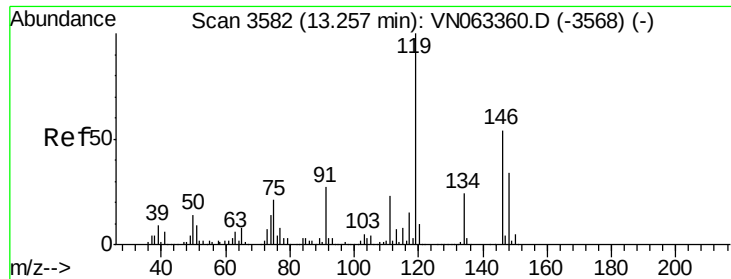
Ion Ratio Lower Upper

119 100

134 24.6 12.5 37.5

91 26.3 13.4 40.1





#87

1,3-Dichlorobenzene

Concen: 47.807 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

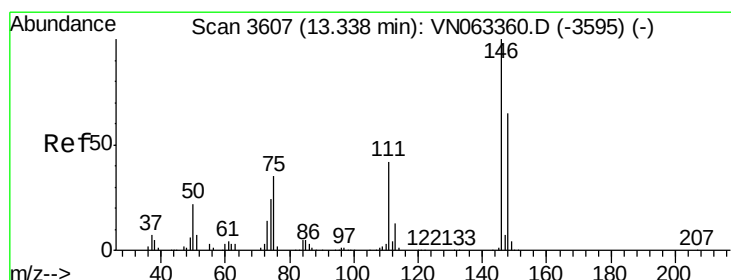
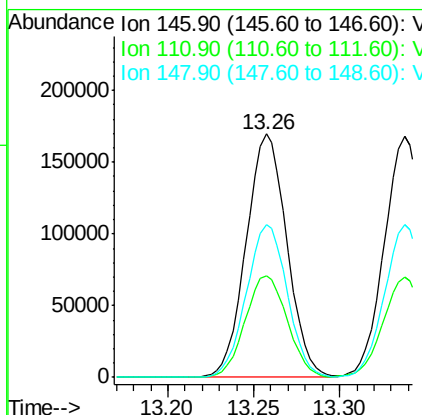
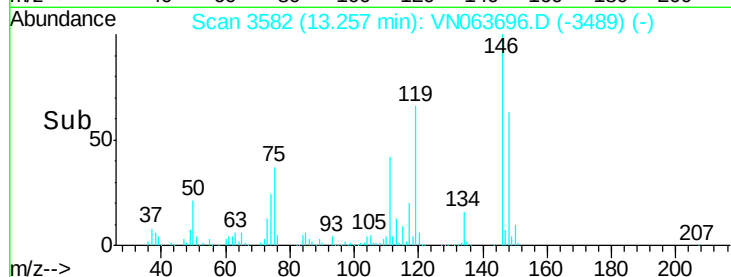
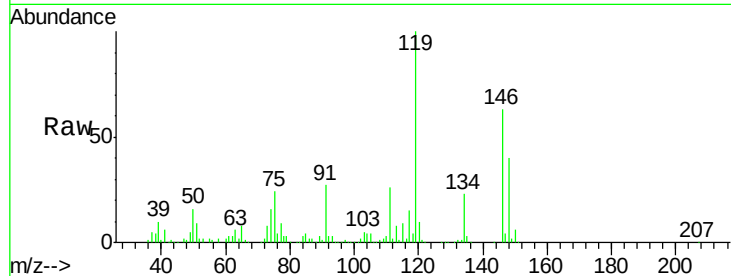
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	279028
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.4	64.3
148	62.9	31.9	95.7

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#88

1,4-Dichlorobenzene

Concen: 46.416 ug/l

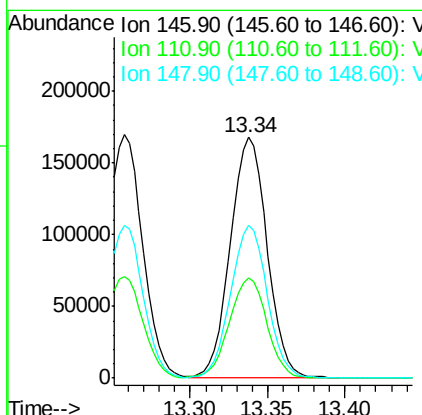
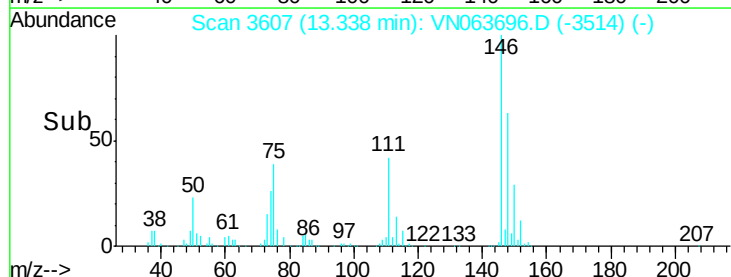
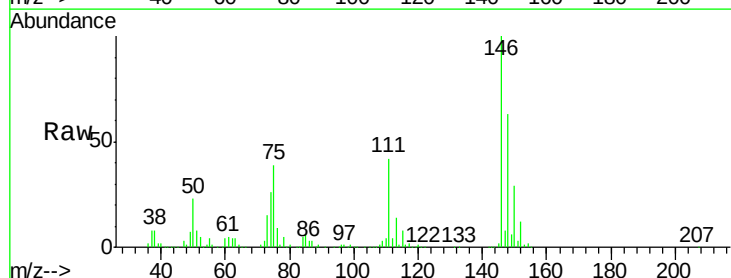
RT: 13.34 min Scan# 3607

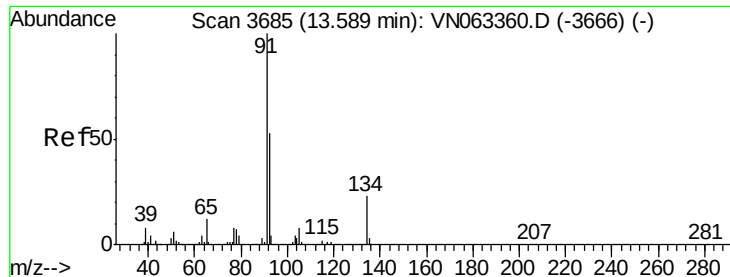
Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Tgt Ion:	146	Resp:	275433
Ion Ratio	Lower	Upper	
146	100		
111	42.5	21.2	63.6
148	63.0	31.9	95.9





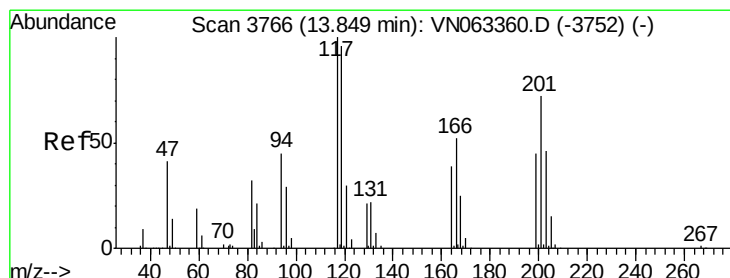
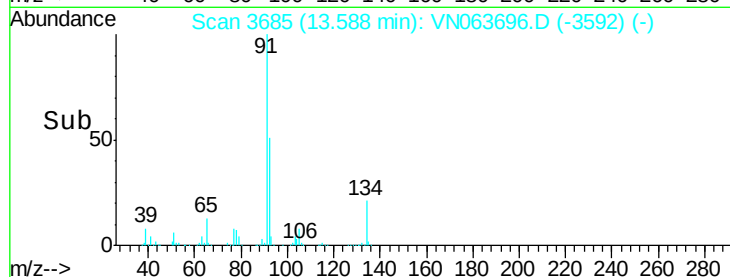
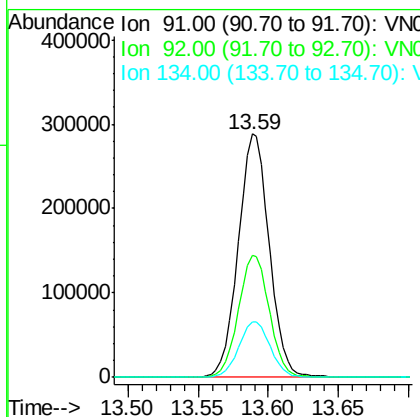
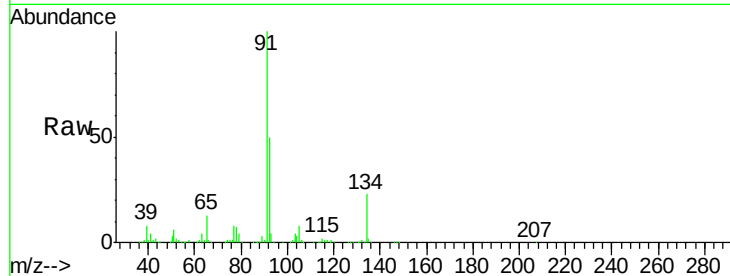
#89
n-Butylbenzene
Concen: 42.444 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:	91	Resp:	445009
Ion	Ratio	Lower	Upper
91	100		
92	50.2	26.0	78.0
134	23.2	11.7	35.0

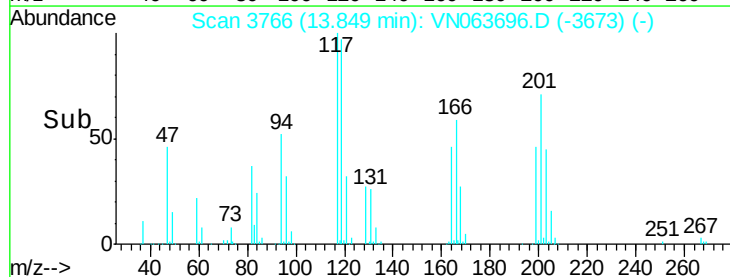
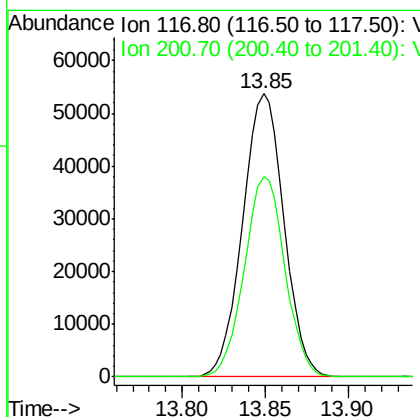
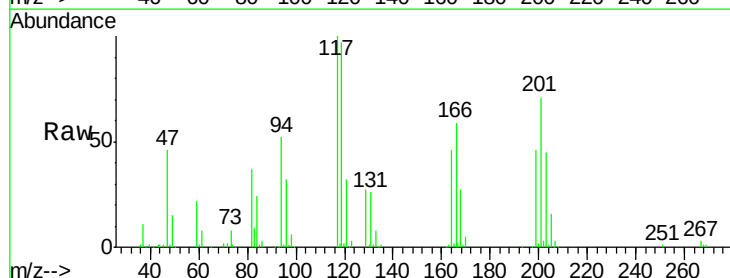
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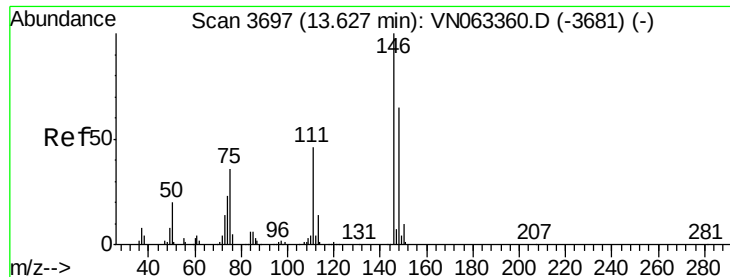
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#90
Hexachloroethane
Concen: 42.919 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN063696.D
Acq: 25 Sep 2020 22:18

Tgt Ion:	117	Resp:	92959
Ion	Ratio	Lower	Upper
117	100		
201	69.4	35.5	106.7





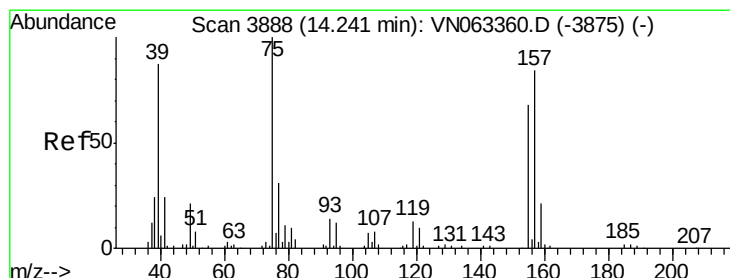
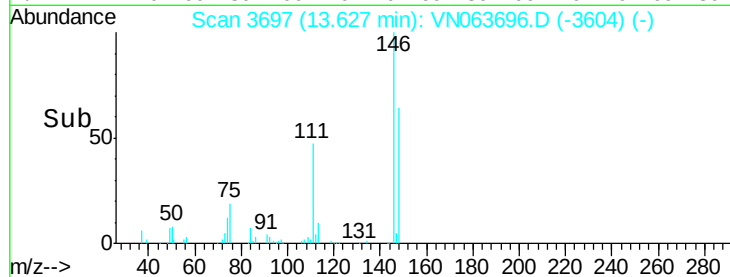
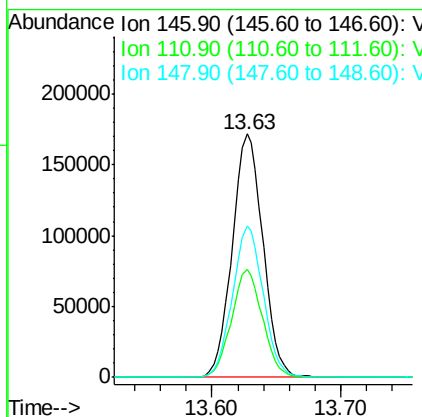
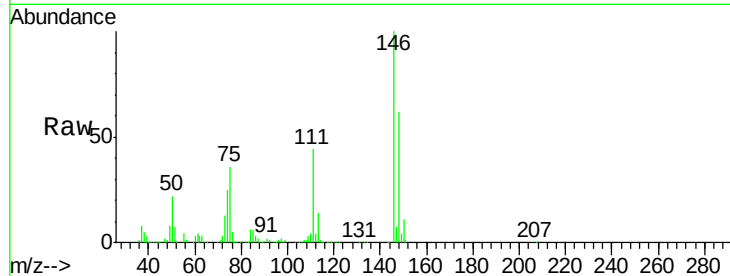
#91
 1,2-Dichlorobenzene
 Concen: 49.547 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	22.4	67.2
148	62.2	32.0	96.0

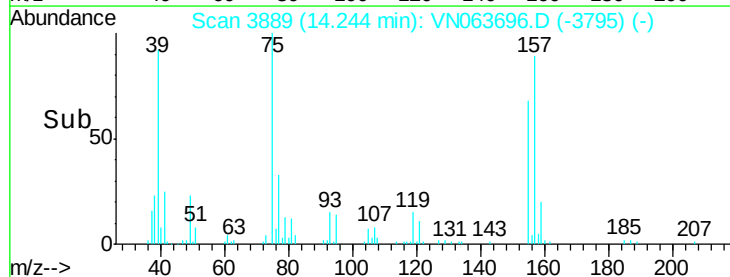
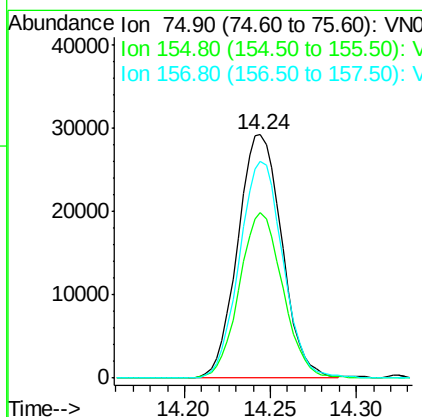
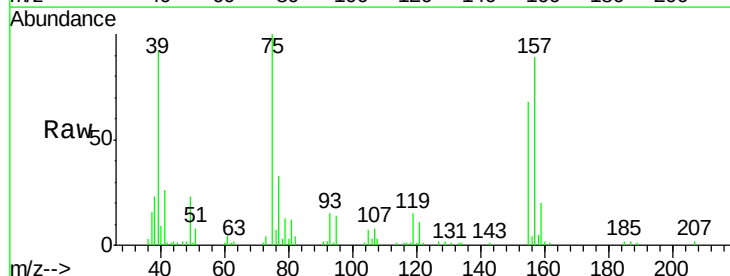
Manual Integrations
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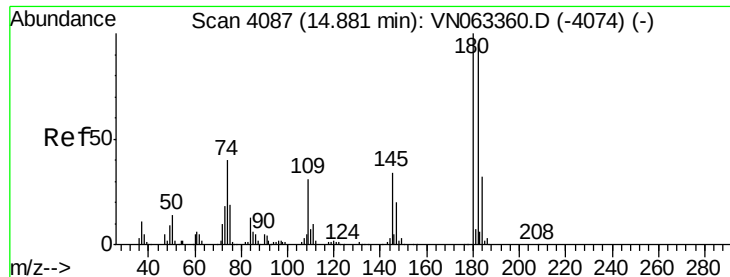
MMDadoda
 9/29/2020 10:41:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.542 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	66.8	34.6	103.9
157	87.8	43.7	131.1





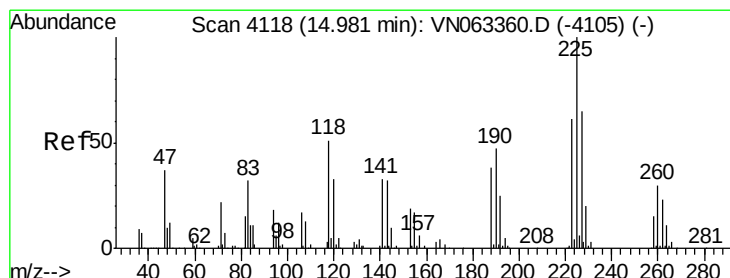
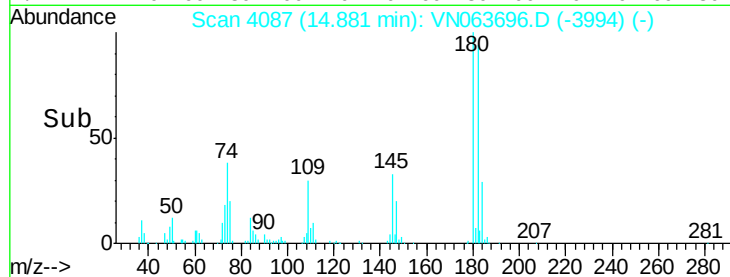
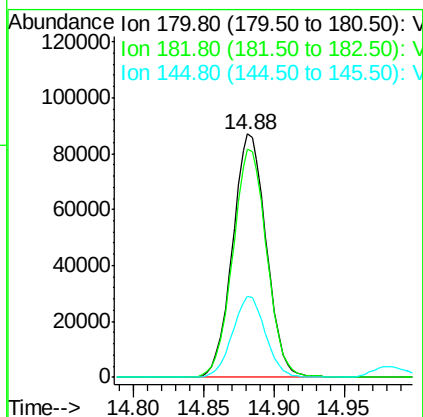
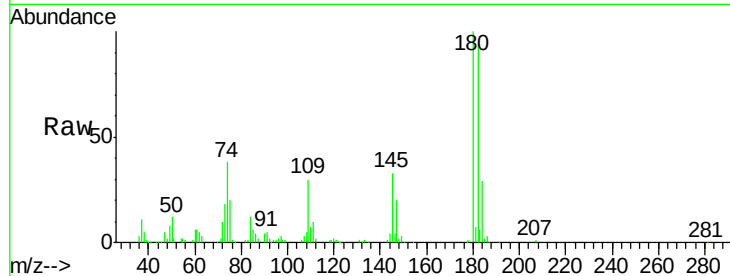
#93
 1,2,4-Trichlorobenzene
 Concen: 43.128 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145690		
182	94.5	47.3	142.0	
145	32.5	16.6	49.7	

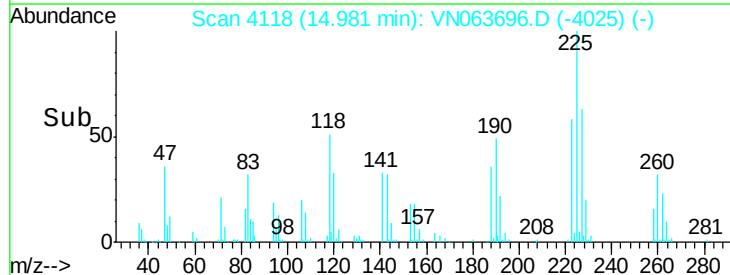
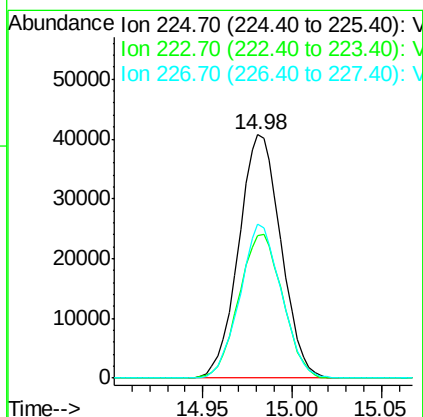
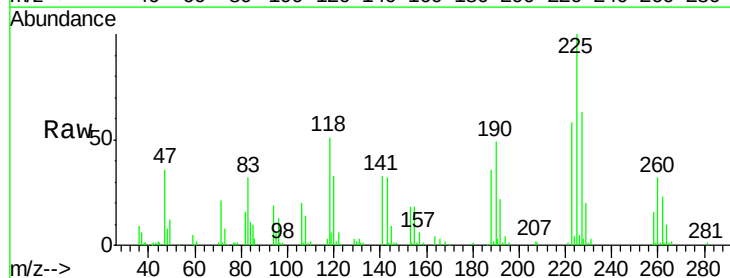
Manual Integrations
 APPROVED

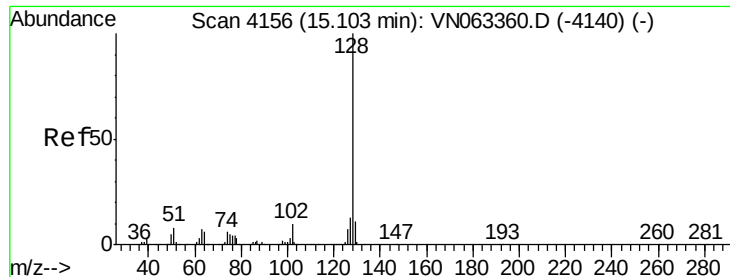
MMDadoda
 9/29/2020 10:41:17 AM



#94
 Hexachlorobutadiene
 Concen: 48.229 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN063696.D
 Acq: 25 Sep 2020 22:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67448		
223	60.9	30.6	91.6	
227	62.0	31.2	93.6	





#95

Naphthalene

Concen: 44.031 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Instrument :

MSVOA_N

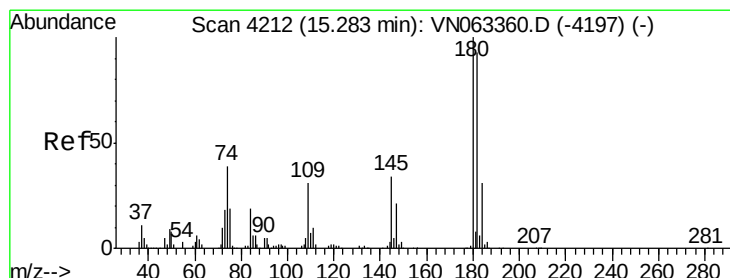
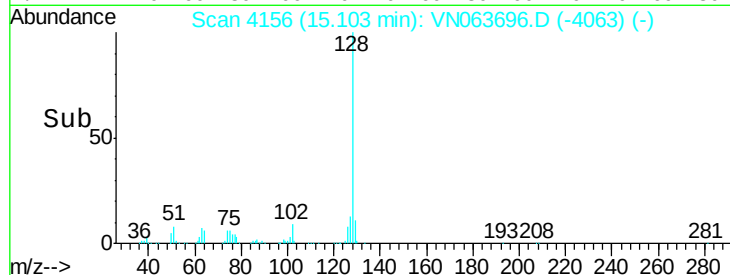
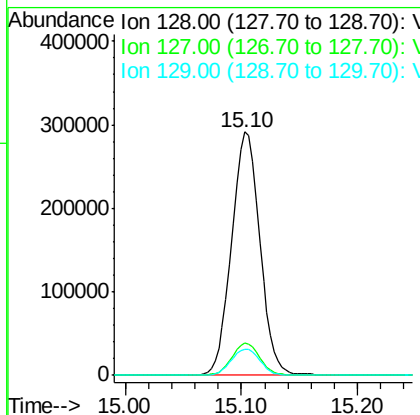
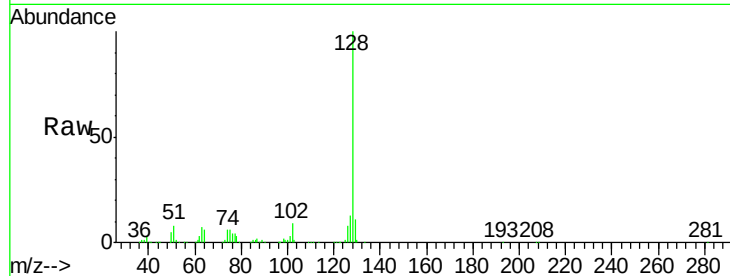
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	491418
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/29/2020 10:41:17 AM



#96

1,2,3-Trichlorobenzene

Concen: 43.187 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN063696.D

Acq: 25 Sep 2020 22:18

Tgt Ion:	180	Resp:	140961
Ion Ratio	Lower	Upper	
180	100		
182	97.1	46.7	140.1
145	33.5	16.8	50.3

