

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036070.D
 Acq On : 7 Dec 2020 16:17
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:24 AM

Quant Time: Dec 07 16:53:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 2020
 QLast Update : Mon Dec 07 13:39:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1232343	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2876604	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2864618	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2214030	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1703883	7.942	ppbv	100
3) Chlorodifluoromethane	3.00	51	2037453	14.014	ppbv	99
4) Chloromethane	3.15	50	1006357	14.143	ppbv	98
5) Vinyl Chloride	3.27	62	1055355	11.680	ppbv	98
6) Bromomethane	3.48	94	569592	8.013	ppbv	87
7) Chloroethane	3.57	64	376750	11.605	ppbv	92
8) Dichlorotetrafluoroethane	3.20	85	2182940	8.629	ppbv	100
9) Propene	3.02	41	997500	19.648	ppbv	96
10) Heptane	8.15	43	2546105	18.379	ppbv	99
11) Trichlorofluoromethane	3.96	101	2450672	8.429	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1658538	7.582	ppbv	99
13) Ethanol	3.62	45	146007	14.220	ppbv	89
14) Bromoethene	3.75	108	724533m	8.173	ppbv	
15) Acetone	3.86	43	1969308	15.381	ppbv	99
16) 1,3-Butadiene	3.34	39	1079178	19.179	ppbv	100
17) tert-Butyl alcohol	4.31	59	1795011	12.791	ppbv	100
18) 1,1-Dichloroethene	4.30	96	739575	7.621	ppbv	98
19) Isopropyl Alcohol	3.98	45	1137605	16.563	ppbv #	100
20) Methylene Chloride	4.36	84	669138	6.041	ppbv	96
21) Allyl Chloride	4.43	41	1372144	20.109	ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	728457	7.564	ppbv	99
23) Vinyl Acetate	5.09	43	2898846	19.173	ppbv #	98
24) 1,1-Dichloroethane	5.03	63	2000746	11.585	ppbv	98
25) Ethyl Acetate	5.70	43	4163406	16.169	ppbv	99
26) Hexane	5.71	57	1740803	12.734	ppbv	98
27) Carbon Disulfide	4.56	76	2033451	10.212	ppbv	99
28) Methyl tert-Butyl Ether	5.05	73	2714354	13.320	ppbv	100
29) Chloroform	5.78	83	2534119	9.809	ppbv	99
30) Cyclohexane	7.15	84	1378016	10.677	ppbv	97
31) cis-1,2-Dichloroethene	5.57	61	1804193	14.417	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2585531	10.917	ppbv	99
34) 2-Butanone	5.26	43	2604322	26.413	ppbv	100
35) Carbon Tetrachloride	7.04	117	2505644	16.660	ppbv	98
36) Benzene	6.92	78	3444432	17.507	ppbv	98
37) 1,2-Dichloroethane	6.33	62	2115509	20.727	ppbv	99
38) Trichloroethene	7.86	130	1130495	12.842	ppbv	98
39) 1,2-Dichloropropane	7.64	63	1407528	18.673	ppbv	99
40) 1,4-Dioxane	7.85	88	390522	15.537	ppbv #	1
41) Tetrahydrofuran	6.07	42	1640820m	31.877	ppbv	
42) Bromodichloromethane	7.82	83	2794372	17.310	ppbv	97
43) Methyl Methacrylate	8.04	69	1547119	21.586	ppbv	99

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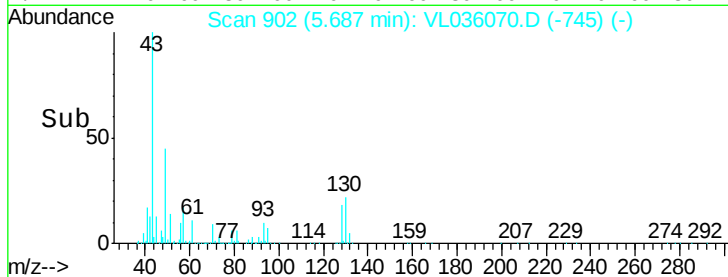
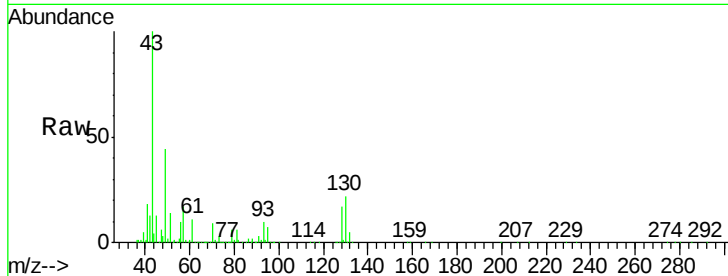
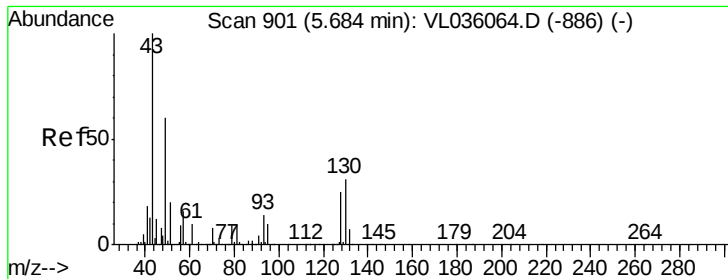
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 QLast Update : Mon Dec 07 13:39:30 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	5973879	20.483	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	1740328	25.690	ppbv	100
46) cis-1,3-Dichloropropene	8.73	75	2026303	22.314	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	1337264	14.153	ppbv	98
48) Dibromochloromethane	10.34	129	2183722	16.423	ppbv	99
49) Bromoform	13.07	173	1788277	18.128	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	4067437	27.140	ppbv	99
51) 2-Hexanone	10.16	43	3309588	30.519	ppbv #	98
52) Tetrachloroethene	11.26	164	1133239	14.857	ppbv	98
53) Toluene	9.83	91	3905334m	18.230	ppbv	
54) 1,2-Dibromoethane	10.64	107	2000998	14.930	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1619018	13.839	ppbv	97
57) Chlorobenzene	12.18	112	2605712	12.330	ppbv	99
58) Ethyl Benzene	12.74	91	5118197	18.064	ppbv	94
59) m/p-Xylene	13.03	91	8451846m	32.717	ppbv	
60) o-Xylene	13.72	91	3944010	15.129	ppbv	100
61) Styrene	13.56	104	2772765	18.778	ppbv	99
62) Isopropylbenzene	14.70	105	5781294	14.940	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.71	83	2566047	11.743	ppbv	100
64) n-propylbenzene	15.60	120	1465853	14.389	ppbv	96
65) tert-Butylbenzene	16.78	119	4730990	14.583	ppbv	100
66) Benzyl Chloride	17.02	91	1549299	19.828	ppbv	99
67) sec-Butylbenzene	17.33	105	6567282	14.821	ppbv	100
69) p-Isopropyltoluene	17.69	119	5355817	16.008	ppbv	99
70) n-Butylbenzene	18.58	91	5436662	16.412	ppbv	100
71) 2-Chlorotoluene	15.49	91	4442182	16.687	ppbv	100
72) 4-Ethyltoluene	15.87	105	4486117	16.714	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	4127926	16.413	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	4071969	14.512	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	2135458	12.589	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	2134113	13.311	ppbv	98
77) 1,2-Dichlorobenzene	17.85	146	2026276	13.023	ppbv	98
78) Hexachloro-1,3-Butadiene	23.41	225	1602445	18.734	ppbv	99
79) Naphthalene	22.24	128	2742284	20.954	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	1139841	42.986	ppbv	97
81) 1,2,4-Trichlorobenzene	21.97	180	1624461	18.068	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

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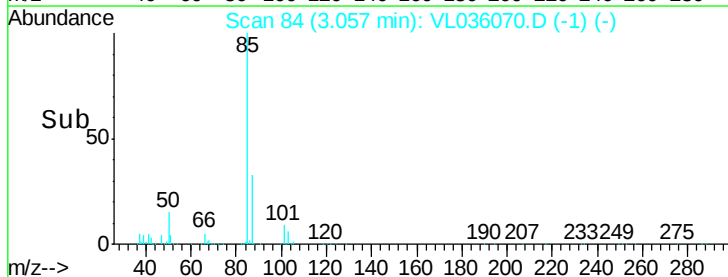
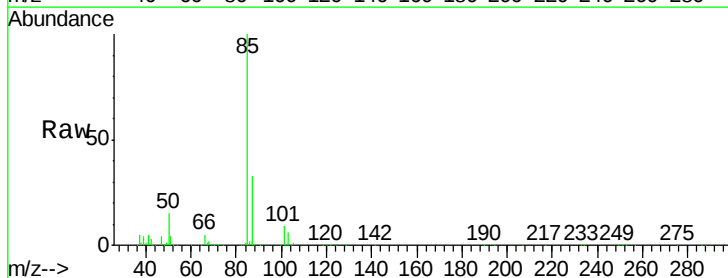
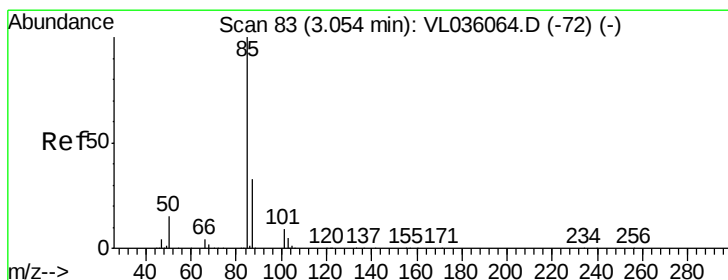
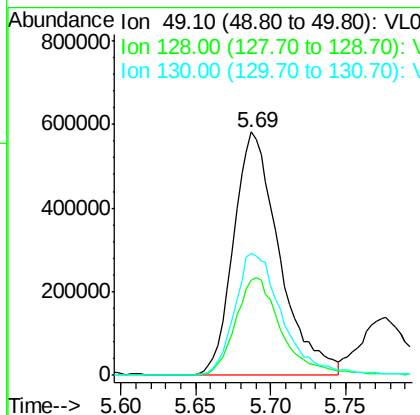
Acq: 7 Dec 2020 16:17

Tot Ion:	49	Resp:	1232343
Ion	Ratio	Lower	Upper
49	100		
128	41.6	21.1	63.1
130	53.2	27.1	81.3

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#2

Dichlorodifluoromethane

Concen: 7.942 ppbv

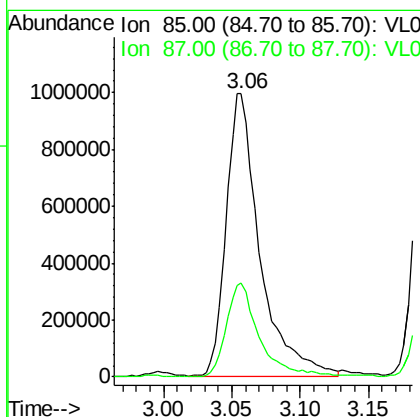
RT: 3.06 min Scan# 84

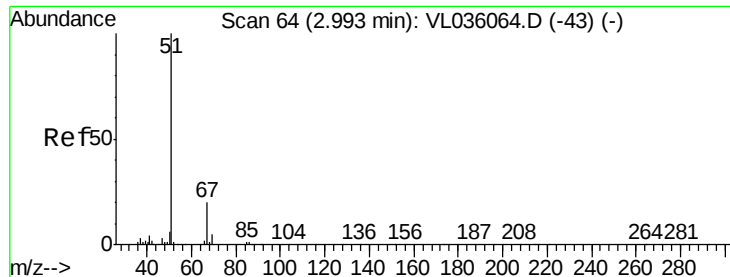
Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Tgt Ion:	85	Resp:	1703883
Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.5	39.7





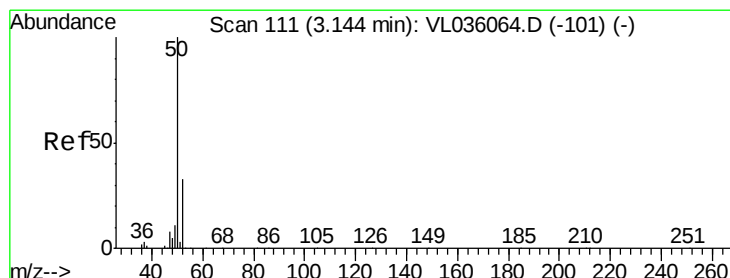
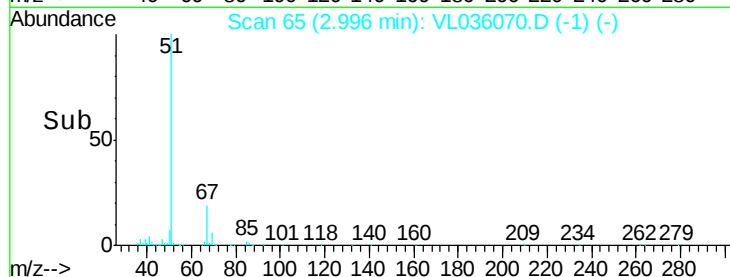
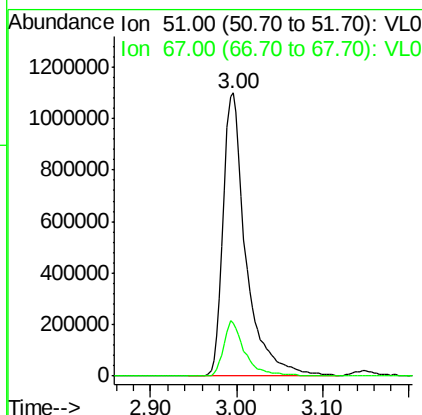
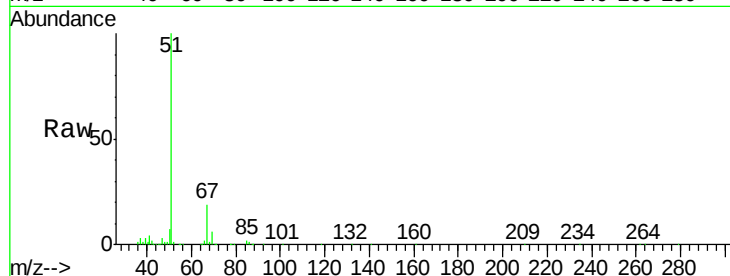
#3
Chlorodifluoromethane
Concen: 14.014 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 51 Resp: 2037453
Ion Ratio Lower Upper
51 100
67 18.3 14.3 21.5

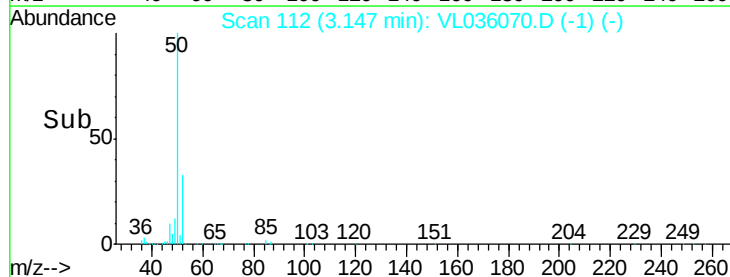
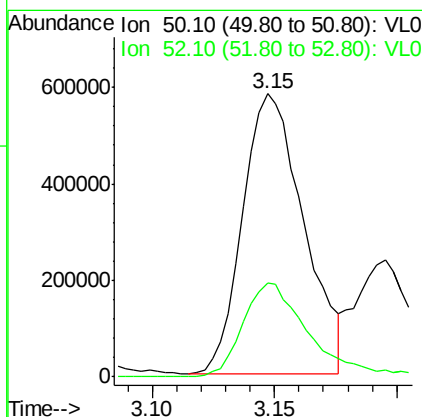
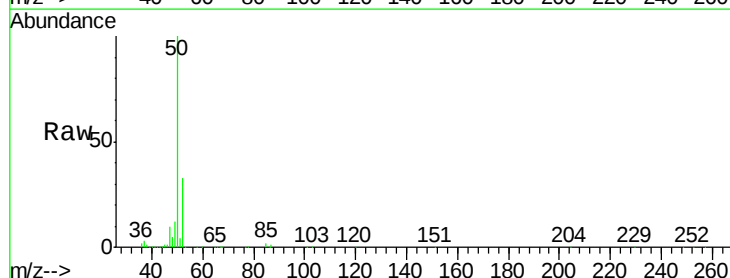
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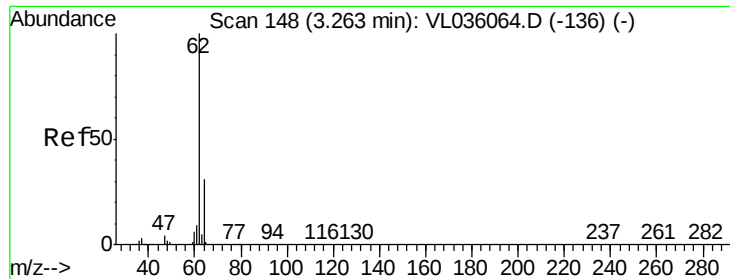
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#4
Chloromethane
Concen: 14.143 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 50 Resp: 1006357
Ion Ratio Lower Upper
50 100
52 33.5 26.1 39.1





#5

Vinyl Chloride

Concen: 11.680 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1055355

Ion Ratio Lower Upper

62 100

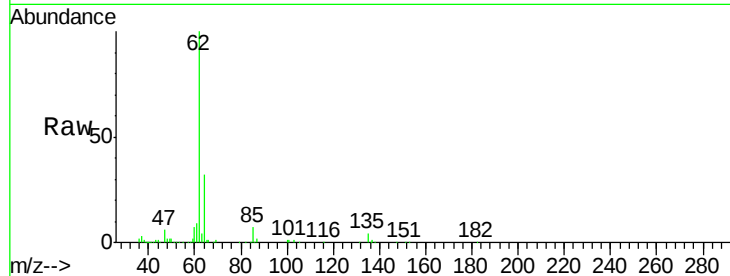
64 31.6 24.5 36.7

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

600000

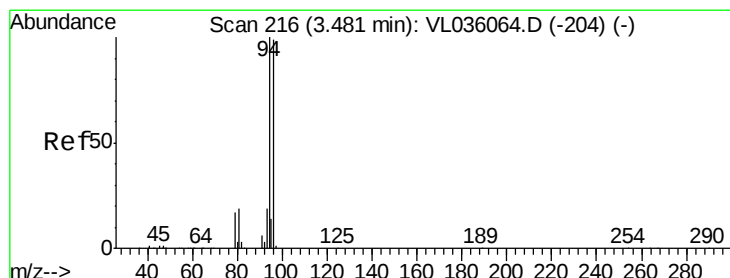
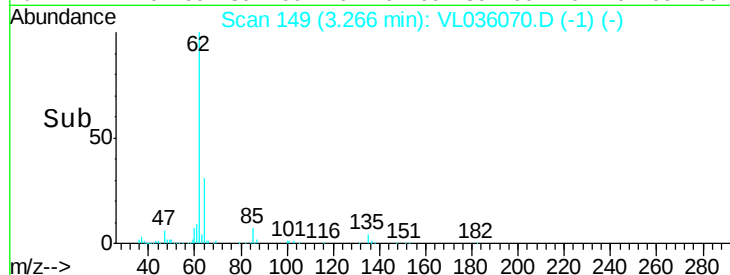
400000

200000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 8.013 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL036070.D

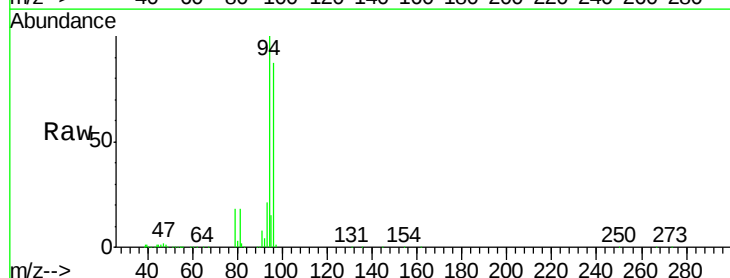
Acq: 7 Dec 2020 16:17

Tgt Ion: 94 Resp: 569592

Ion Ratio Lower Upper

94 100

96 86.7 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

300000

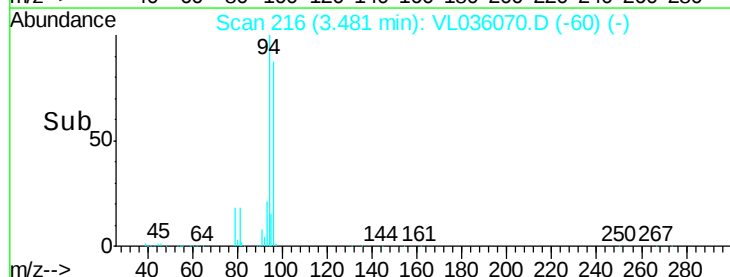
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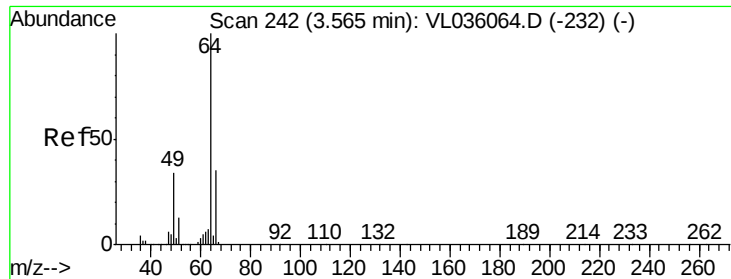
100000

0

3.40 3.45 3.50 3.55 3.60

Time-->





#7

Chloroethane

Concen: 11.605 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 64 Resp: 376750

Ion Ratio Lower Upper

64 100

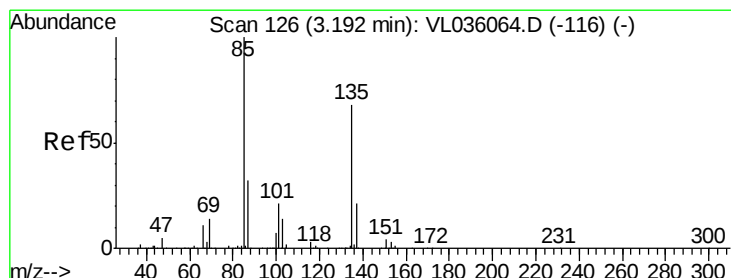
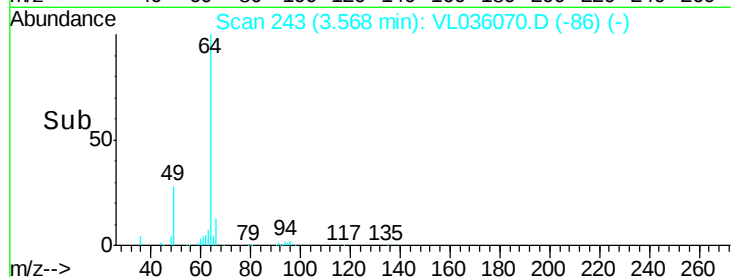
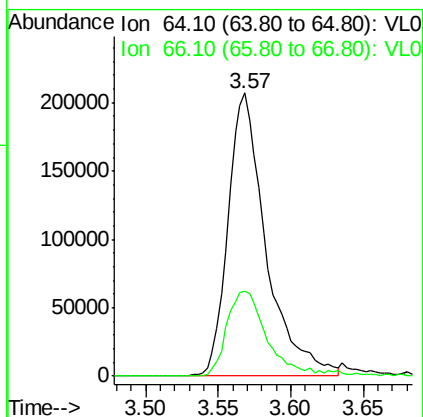
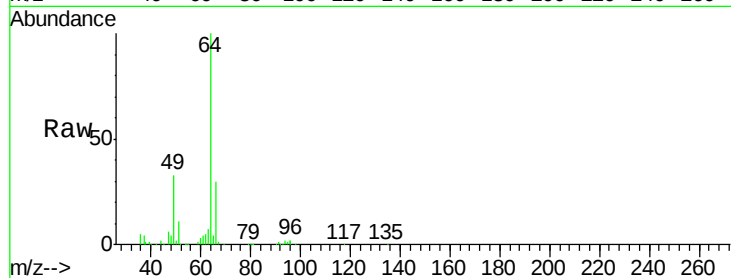
66 29.9 27.7 41.5

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#8

Dichlorotetrafluoroethane

Concen: 8.629 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL036070.D

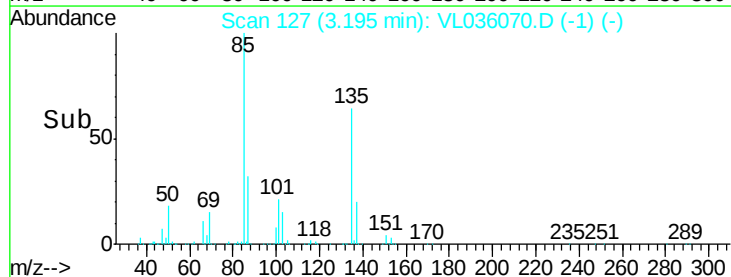
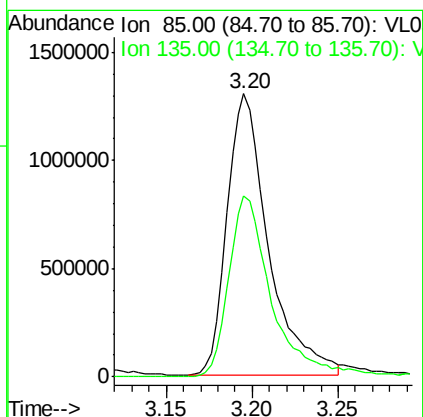
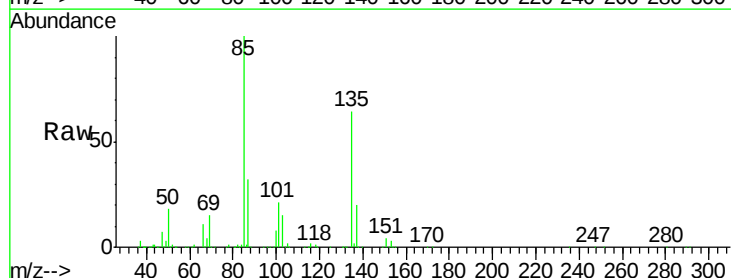
Acq: 7 Dec 2020 16:17

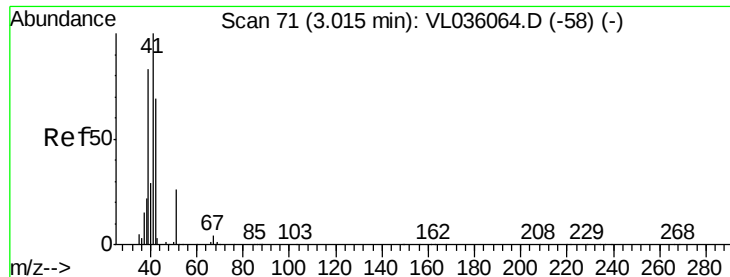
Tgt Ion: 85 Resp: 2182940

Ion Ratio Lower Upper

85 100

135 67.7 53.8 80.8





#9

Propene

Concen: 19.648 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Instrument :

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ClientSampleId :

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Tot Ion: 41 Resp: 997500

Ion Ratio Lower Upper

41 100

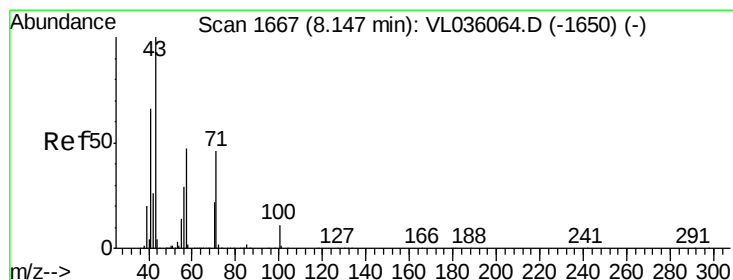
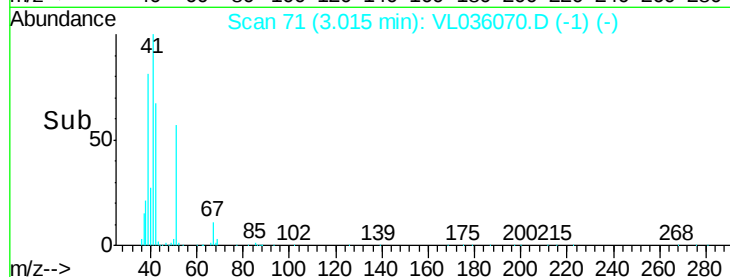
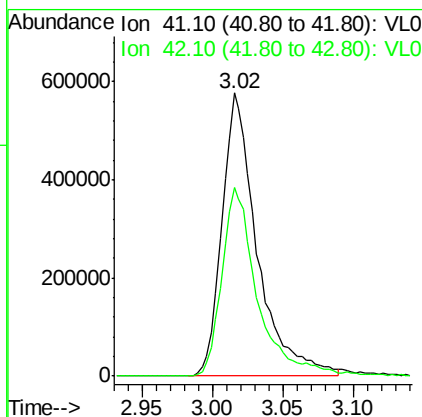
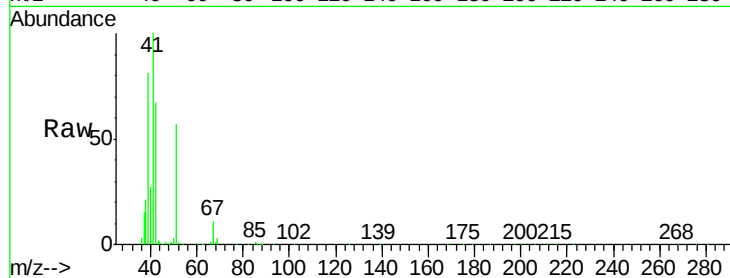
42 68.3 57.0 85.6

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#10

Heptane

Concen: 18.379 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VL036070.D

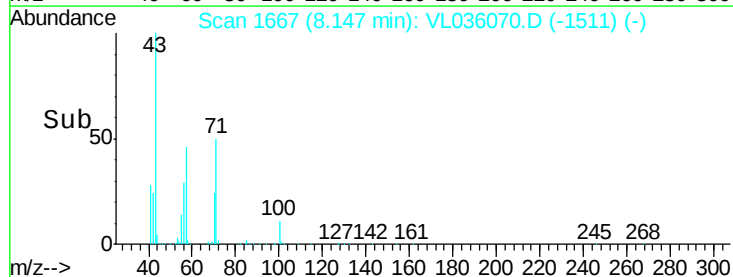
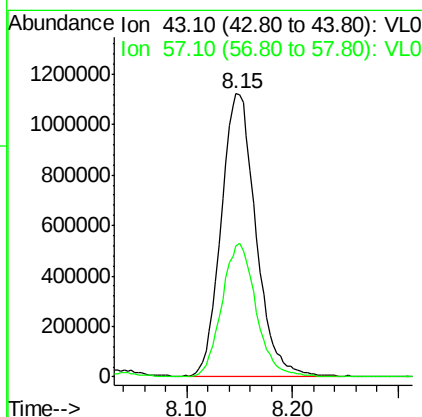
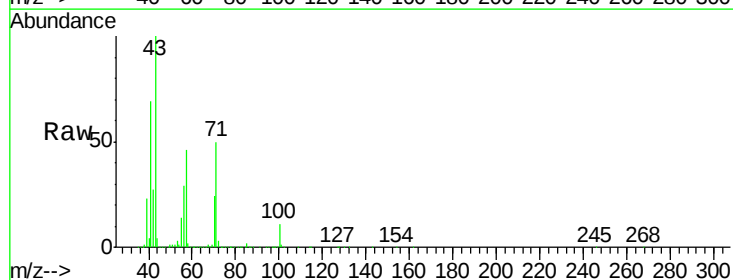
Acq: 7 Dec 2020 16:17

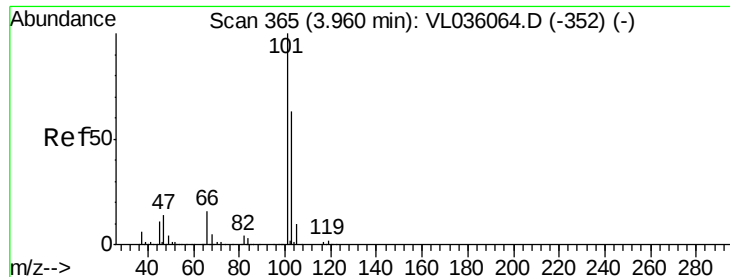
Tgt Ion: 43 Resp: 2546105

Ion Ratio Lower Upper

43 100

57 46.8 37.9 56.9





#11

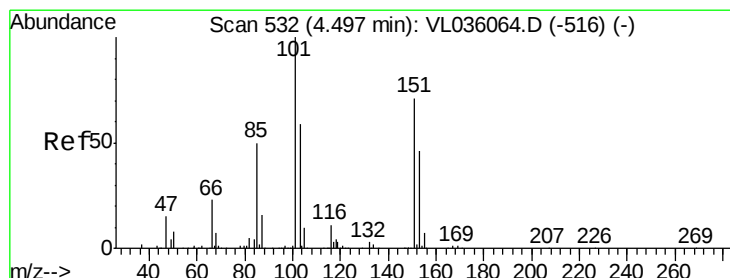
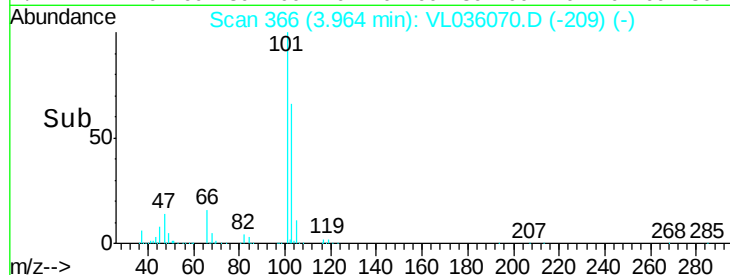
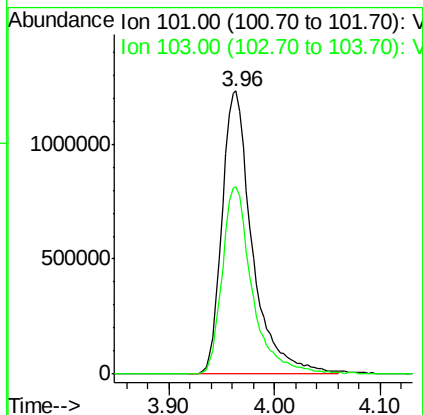
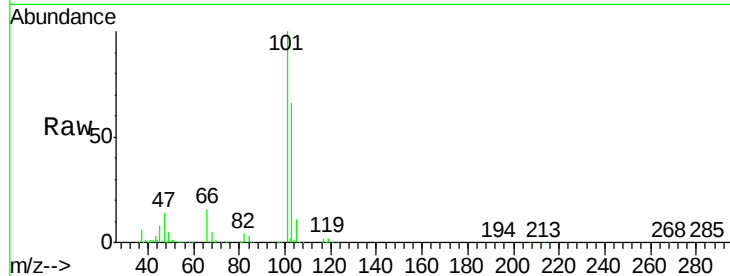
Trichlorofluoromethane
Concen: 8.429 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:101 Resp: 2450672
Ion Ratio Lower Upper
101 100
103 66.3 50.3 75.5

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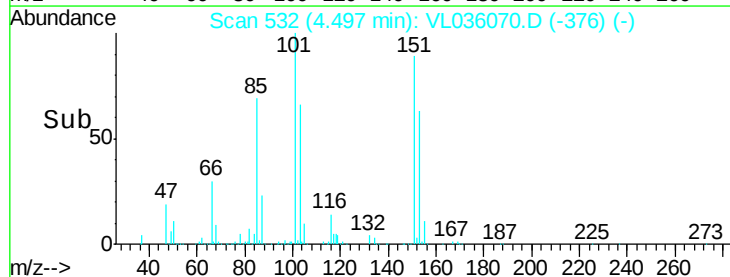
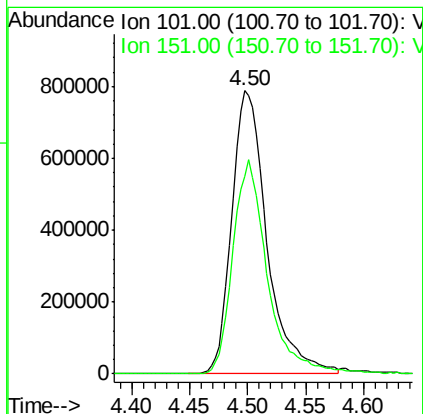
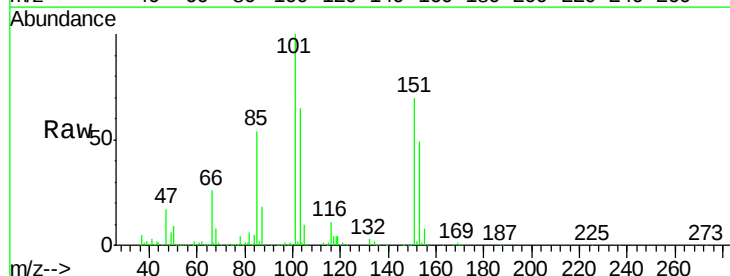
MMDadoda
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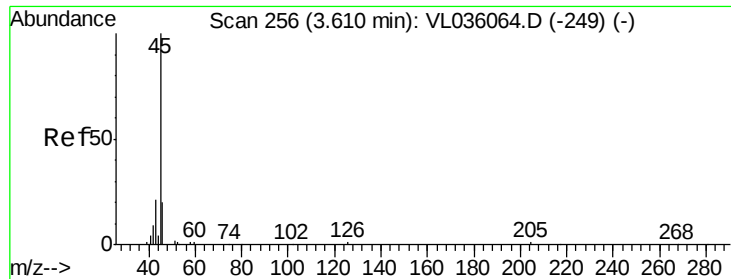


#12

1,1,2-Trichlorotrifluoroethane
Concen: 7.582 ppbv
RT: 4.50 min Scan# 532
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion:101 Resp: 1658538
Ion Ratio Lower Upper
101 100
151 74.5 59.3 88.9





#13

Ethanol

Concen: 14.220 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 45 Resp: 146007

Ion Ratio Lower Upper

45 100

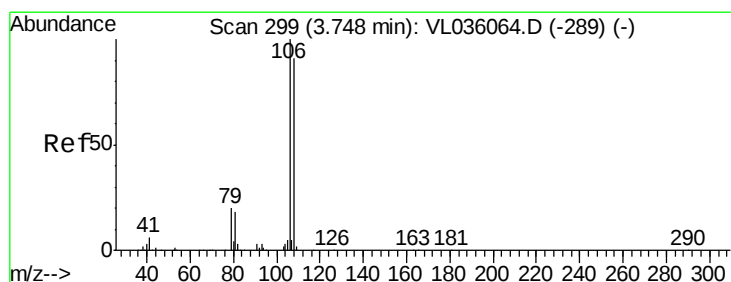
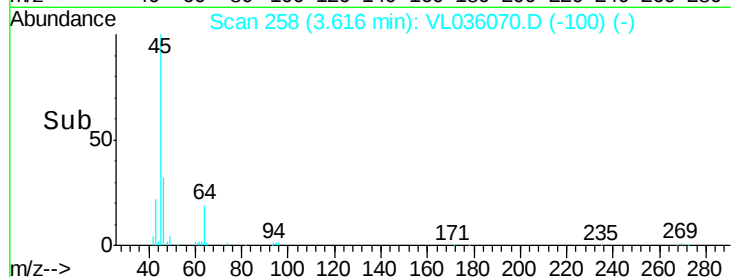
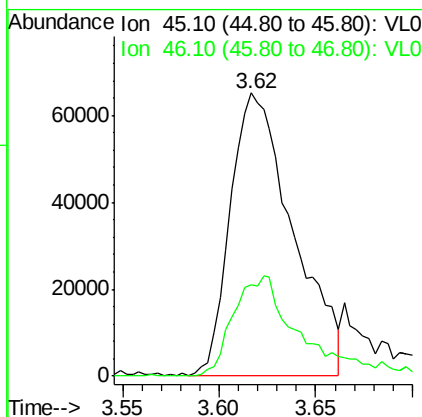
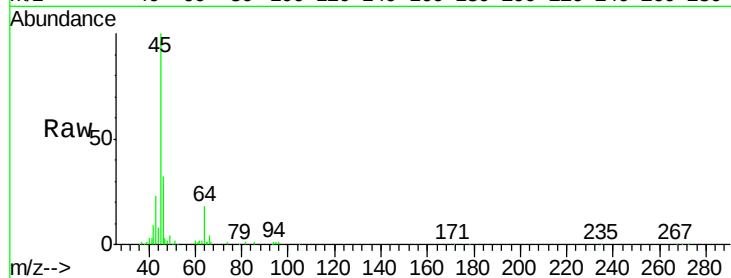
46 39.7 19.0 75.8

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#14

Bromoethene

Concen: 8.173 ppbv m

RT: 3.75 min Scan# 299

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

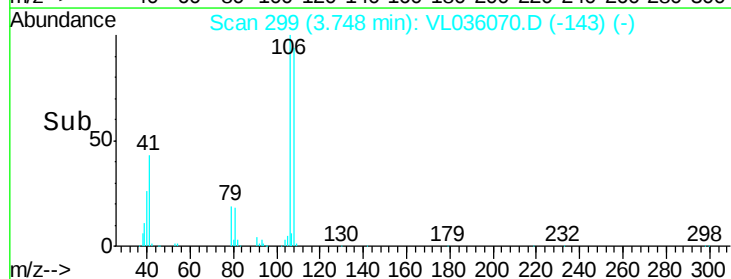
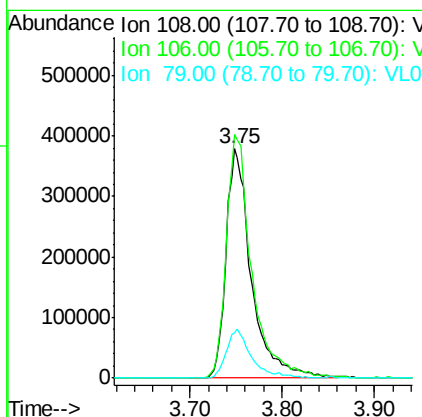
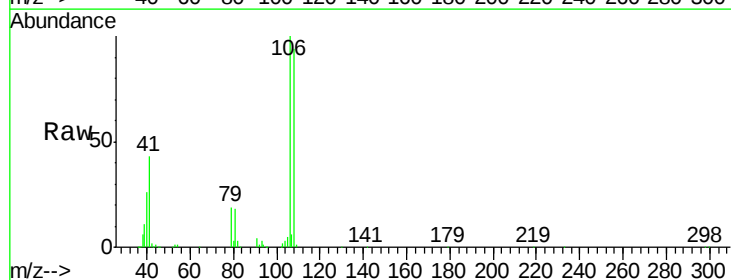
Tgt Ion: 108 Resp: 724533

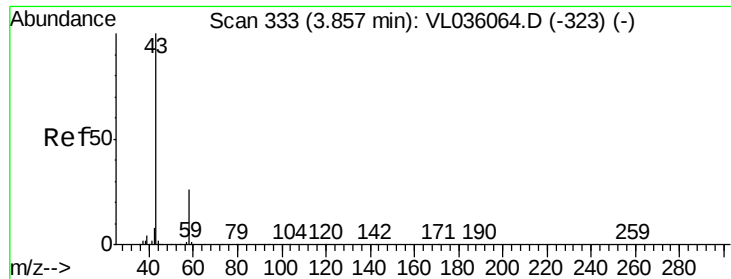
Ion Ratio Lower Upper

108 100

106 107.7 91.0 136.4

79 21.4 19.3 28.9





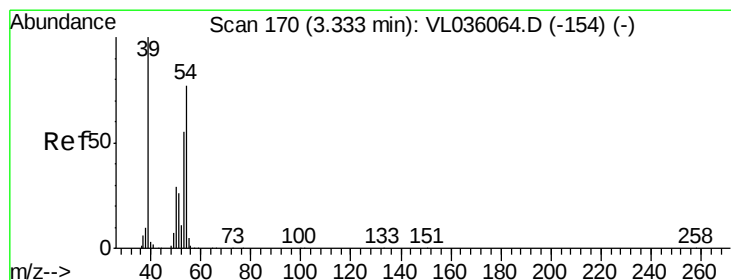
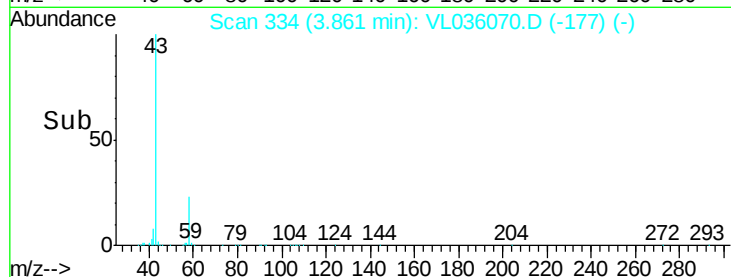
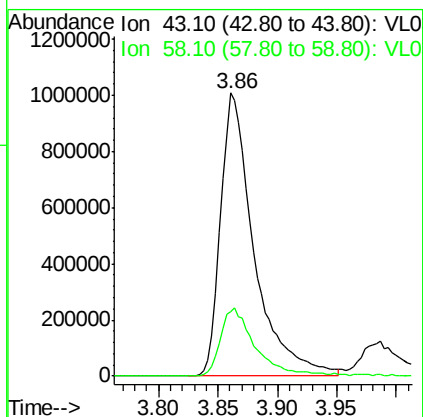
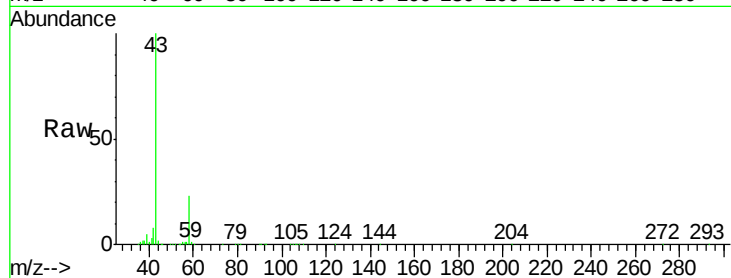
#15
Acetone
Concen: 15.381 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 1969308
Ion Ratio Lower Upper
43 100
58 25.4 20.9 31.3

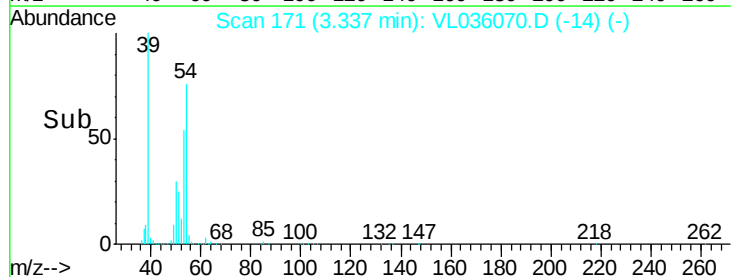
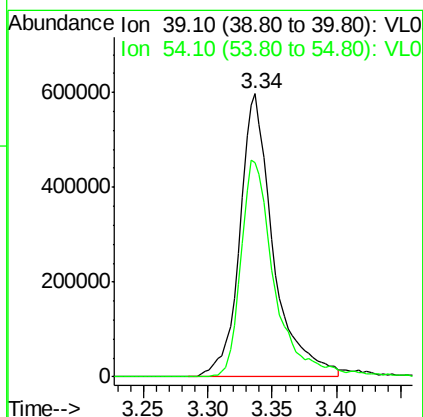
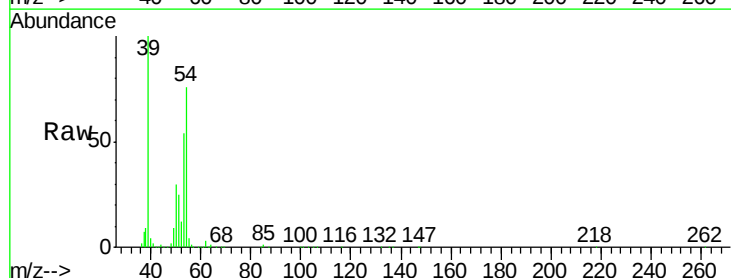
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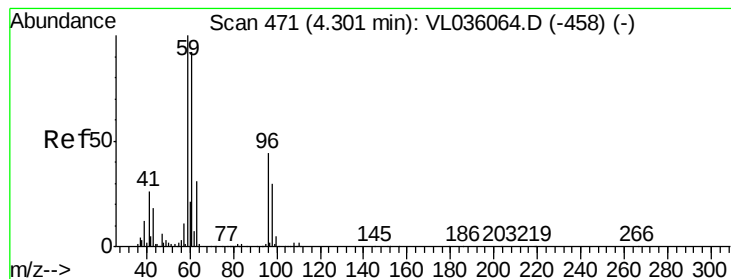
MMDadoda
12/10/2020 9:53:24 AM



#16
1,3-Butadiene
Concen: 19.179 ppbv
RT: 3.34 min Scan# 171
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 39 Resp: 1079178
Ion Ratio Lower Upper
39 100
54 78.0 62.1 93.1





#17

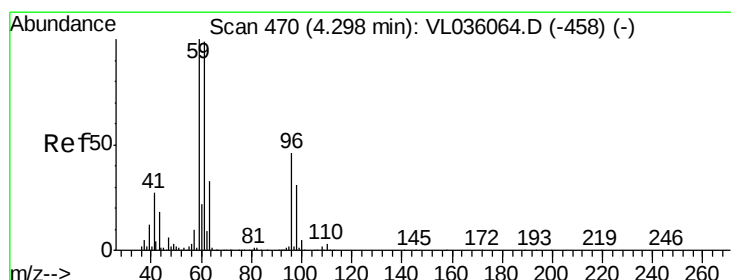
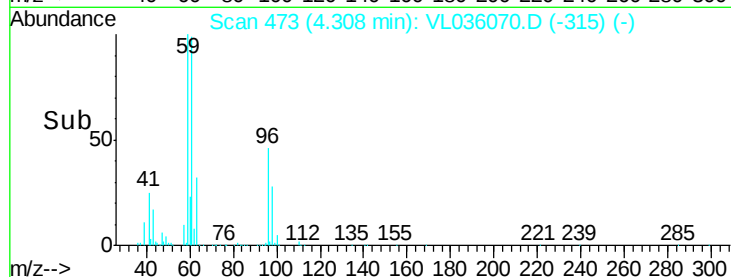
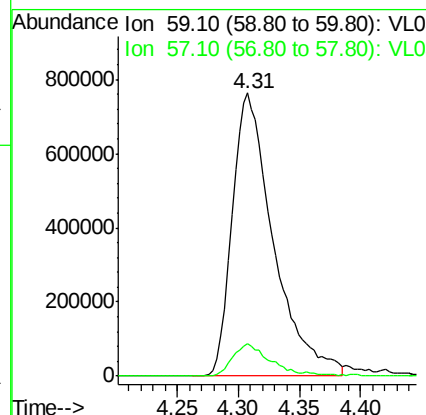
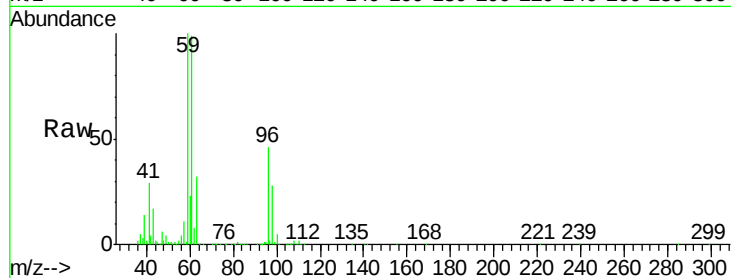
tert-Butyl alcohol
Concen: 12.791 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 59 Resp: 1795011
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

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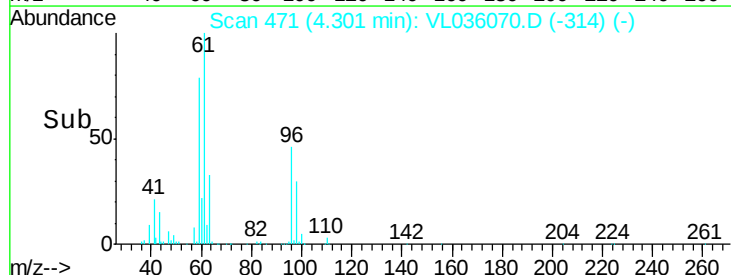
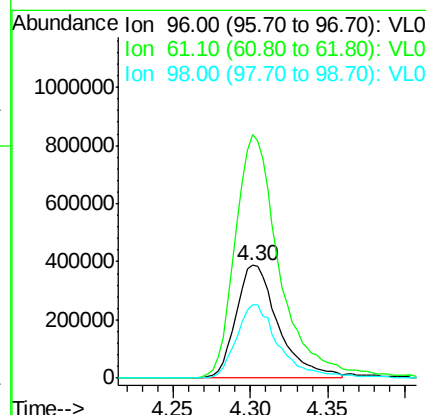
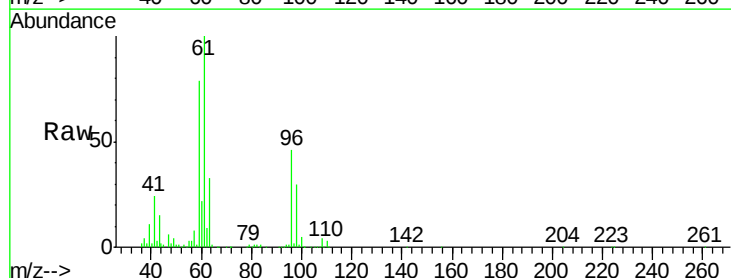
MMDadoda
12/10/2020 9:53:24 AM

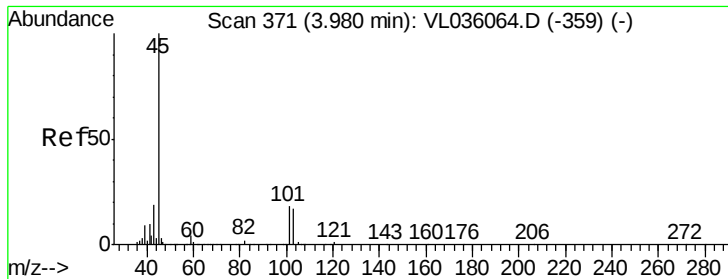


#18

1,1-Dichloroethene
Concen: 7.621 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 96 Resp: 739575
Ion Ratio Lower Upper
96 100
61 216.0 171.4 257.2
98 65.2 54.2 81.2





#19

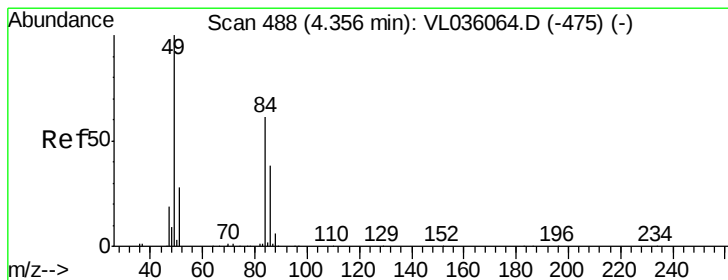
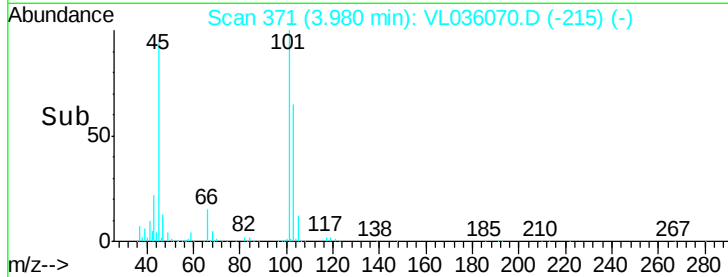
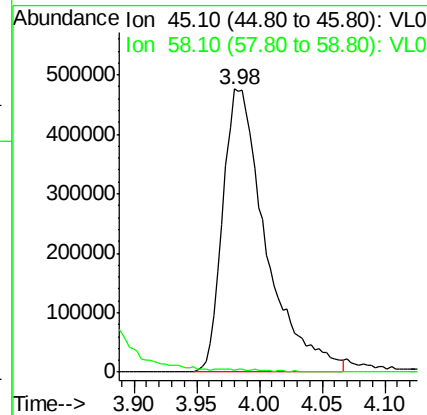
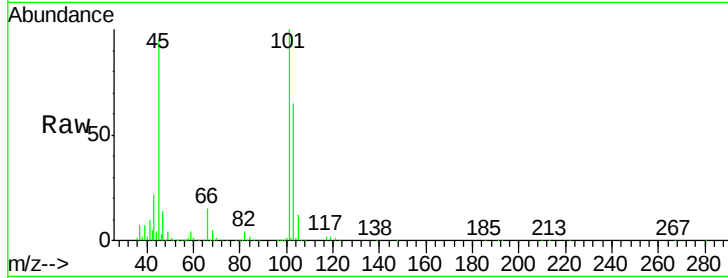
Isopropyl Alcohol
 Concen: 16.563 ppbv
 RT: 3.98 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 45 Resp: 1137605
 Ion Ratio Lower Upper
 45 100
 58 44.6 0.0 0.0#

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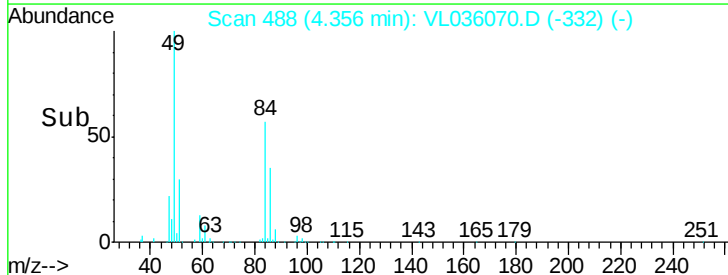
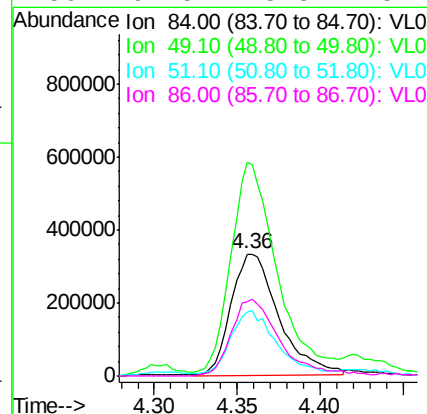
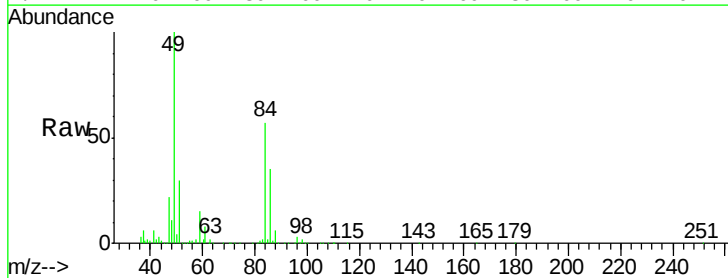
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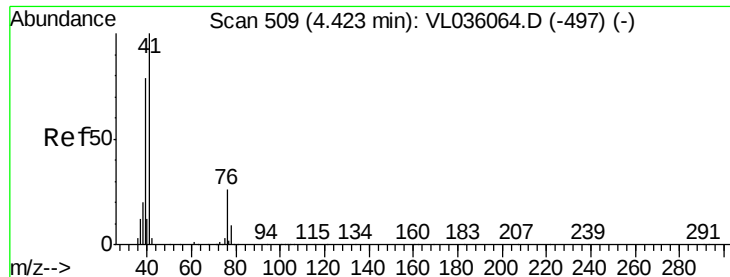


#20

Methylene Chloride
 Concen: 6.041 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Tgt Ion: 84 Resp: 669138
 Ion Ratio Lower Upper
 84 100
 49 173.2 133.0 199.4
 51 51.0 38.9 58.3
 86 61.5 48.8 73.2





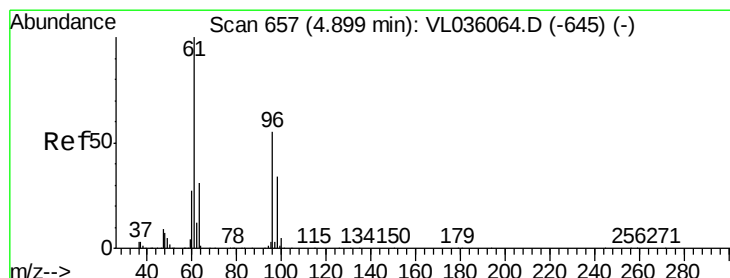
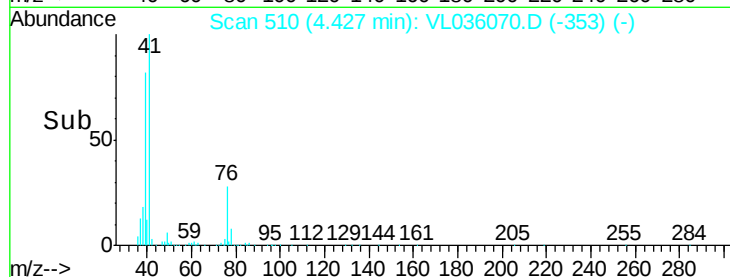
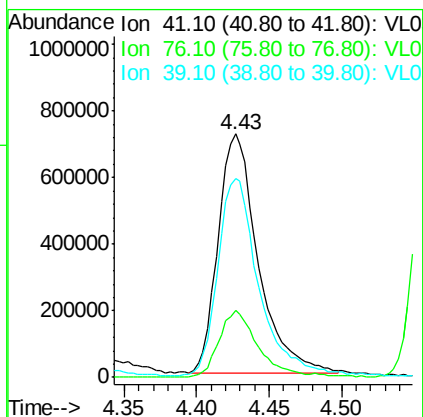
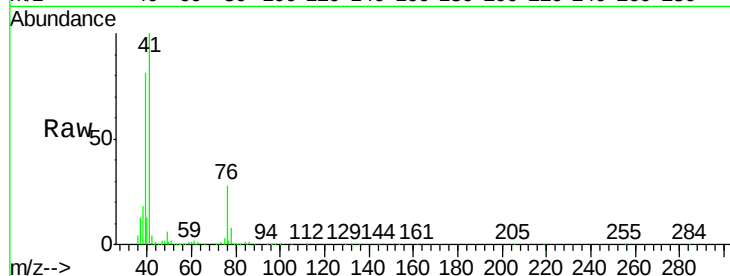
#21
Allvl Chloride
Concen: 20.109 ppbv
RT: 4.43 min Scan# 510
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.1	21.0	31.4
39	86.2	66.0	99.0

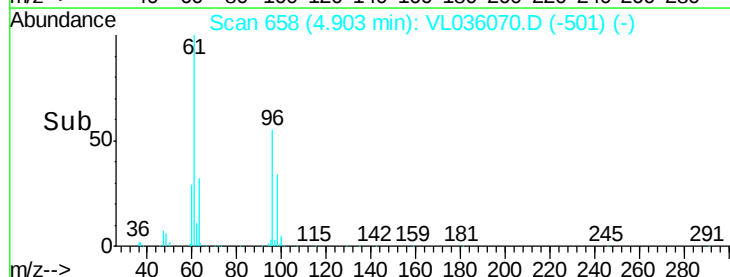
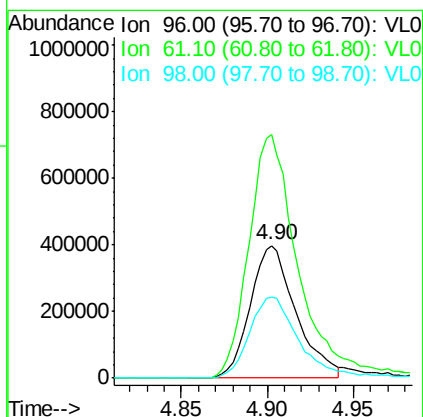
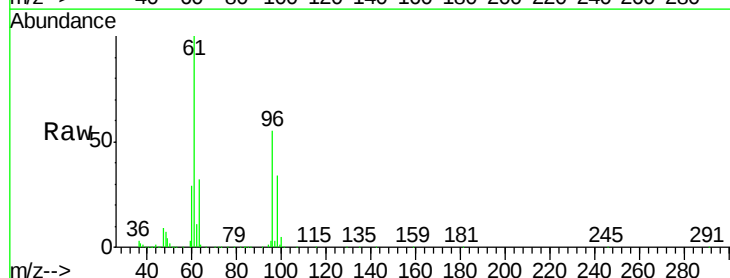
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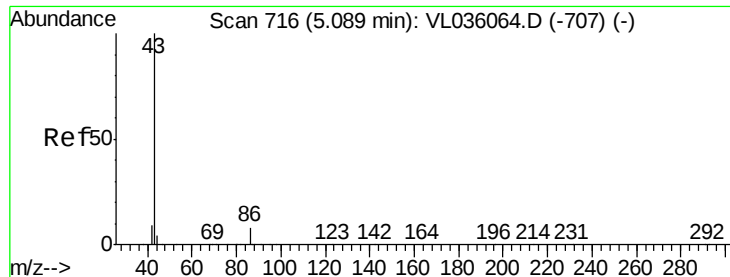
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#22
trans-1,2-Dichloroethene
Concen: 7.564 ppbv
RT: 4.90 min Scan# 658
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.4	145.7	218.5
98	61.5	49.2	73.8





#23

Vinyl Acetate

Concen: 19.173 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 2898846

Ion Ratio Lower Upper

43 100

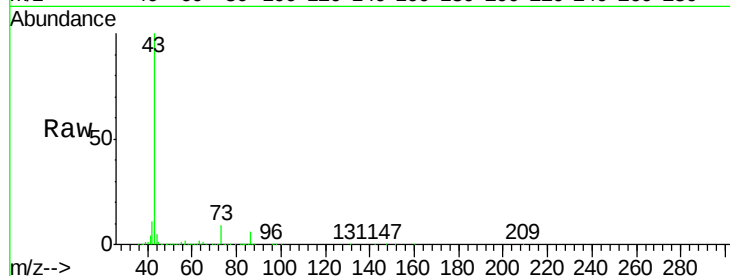
86 6.2 5.0 7.4

42 10.7 7.8 11.6

44 4.9 3.2 4.8#

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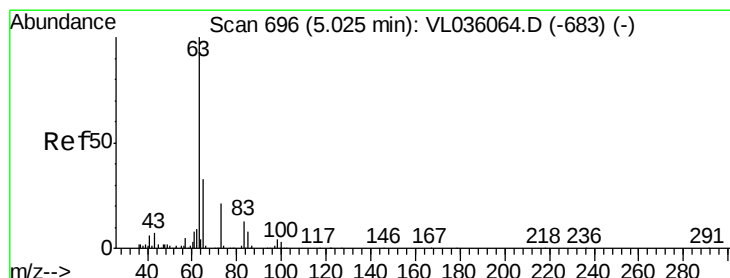
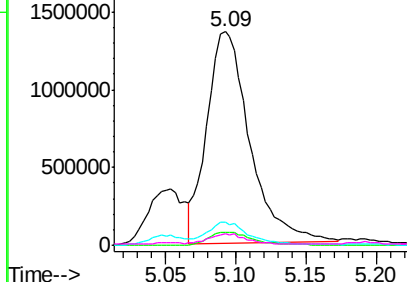
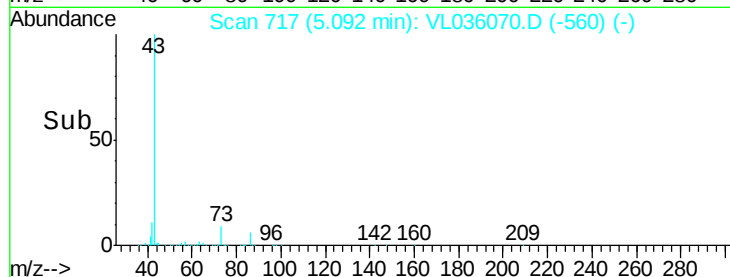


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 11.585 ppbv

RT: 5.03 min Scan# 698

Delta R.T. 0.01 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

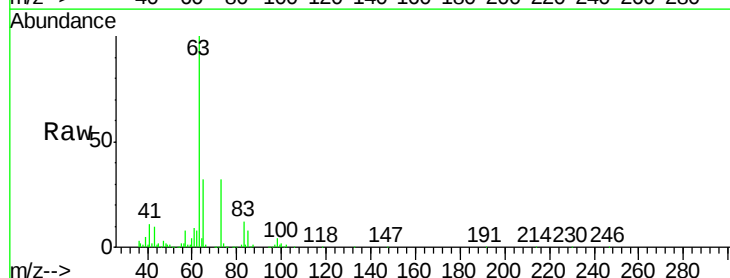
Tgt Ion: 63 Resp: 2000746

Ion Ratio Lower Upper

63 100

98 3.9 2.2 6.6

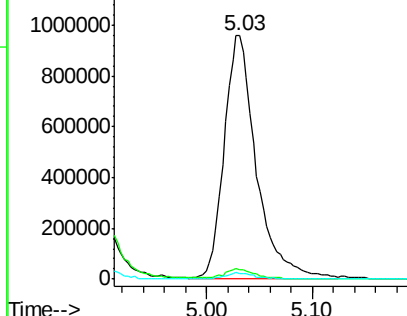
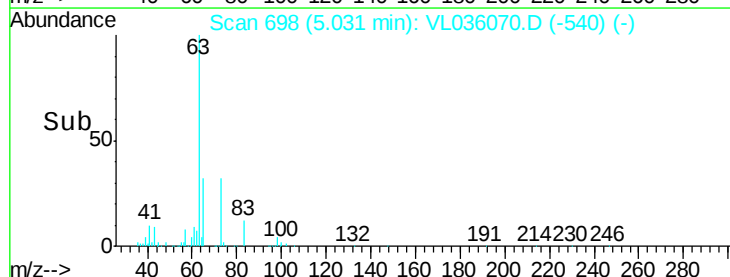
100 2.3 1.5 4.4

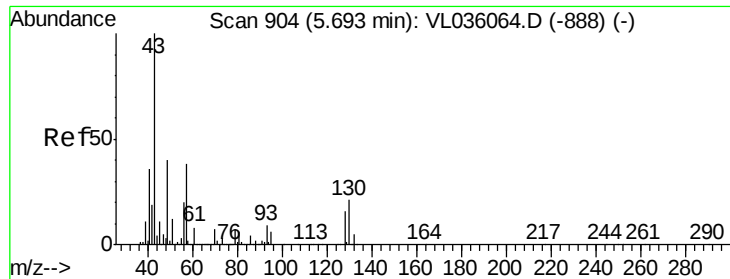


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





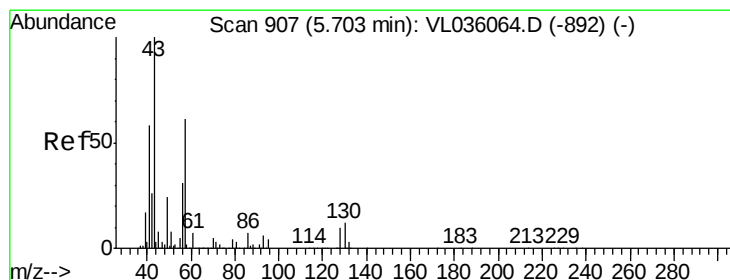
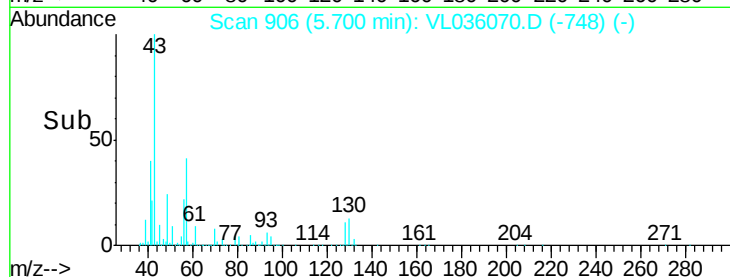
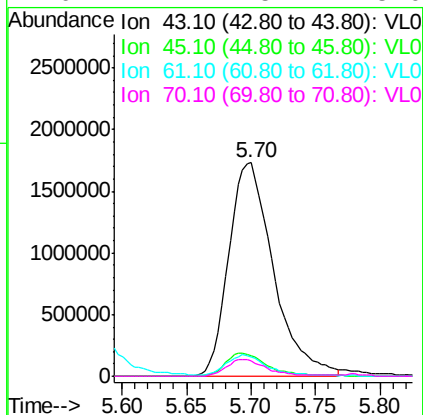
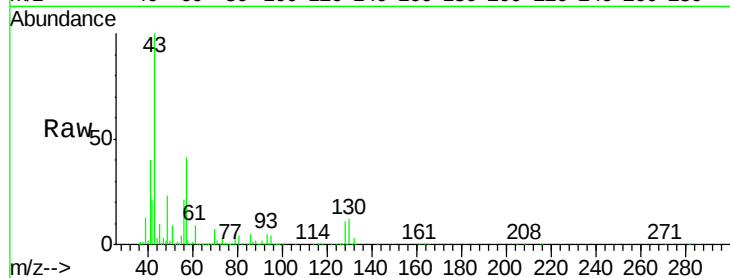
#25
Ethyl Acetate
Concen: 16.169 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:	43	Resp:	4163406
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	9.6	7.4	11.2
70	7.1	5.4	8.0

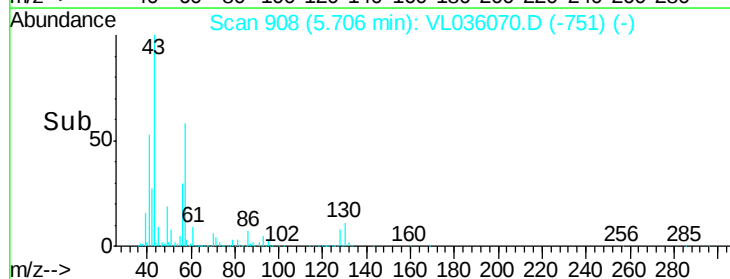
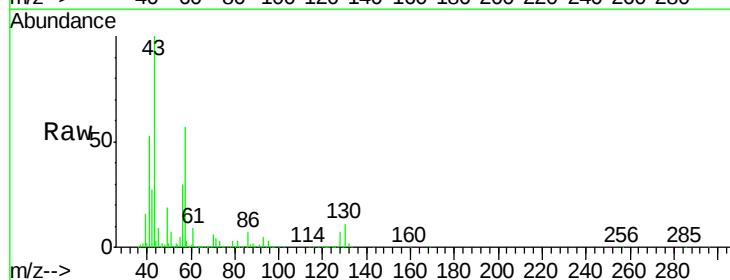
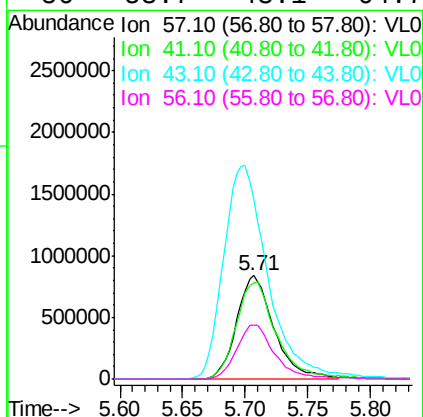
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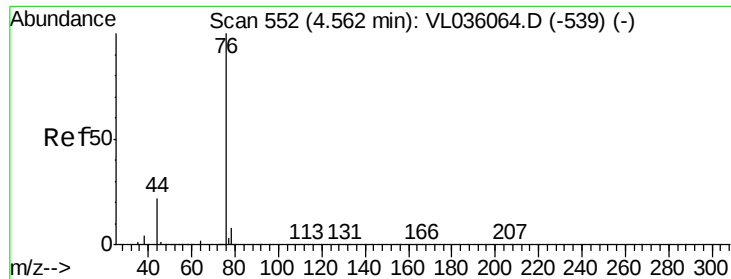
MMDadoda
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#26
Hexane
Concen: 12.734 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion:	57	Resp:	1740803
Ion	Ratio	Lower	Upper
57	100		
41	101.8	82.9	124.3
43	246.0	199.9	299.9
56	53.7	43.1	64.7





#27

Carbon Disulfide

Concen: 10.212 ppbv

RT: 4.56 min Scan# 552

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2033451

Ion Ratio Lower Upper

76 100

44 21.8 17.9 26.9

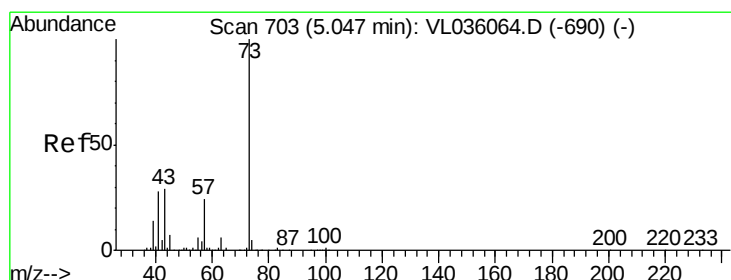
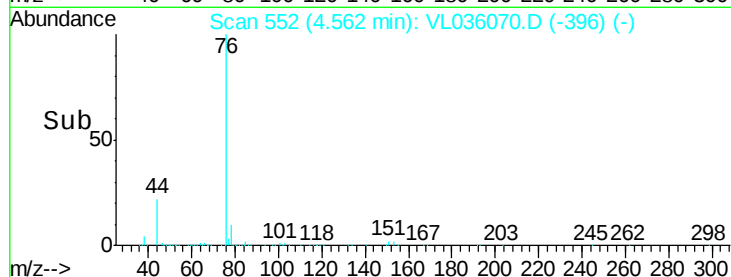
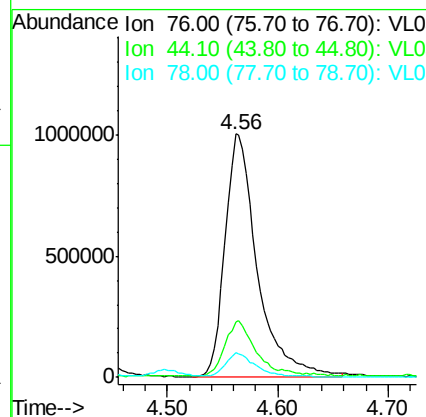
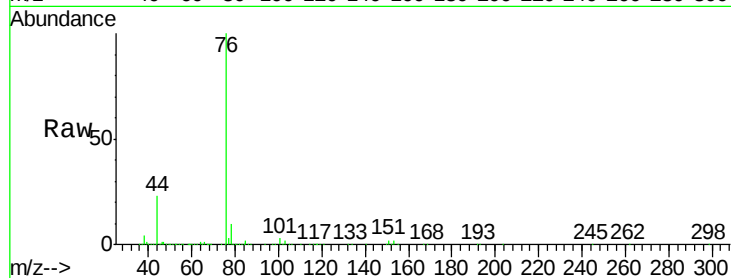
78 9.8 7.8 11.8

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#28

Methyl tert-Butyl Ether

Concen: 13.320 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.00 min

Lab File: VL036070.D

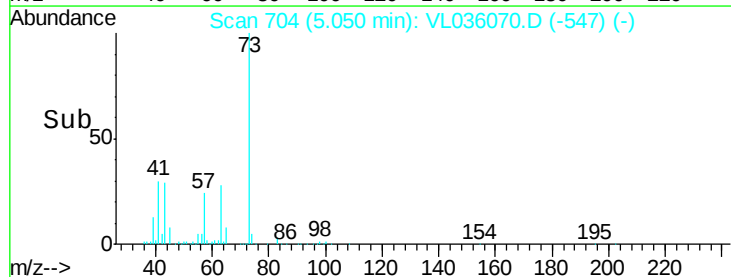
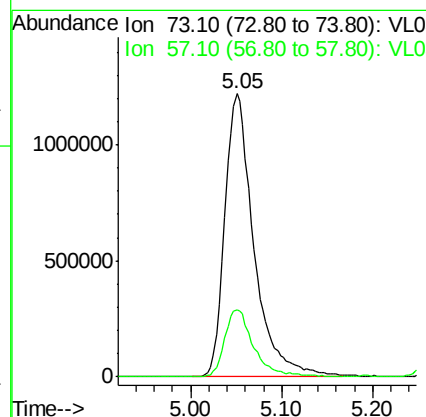
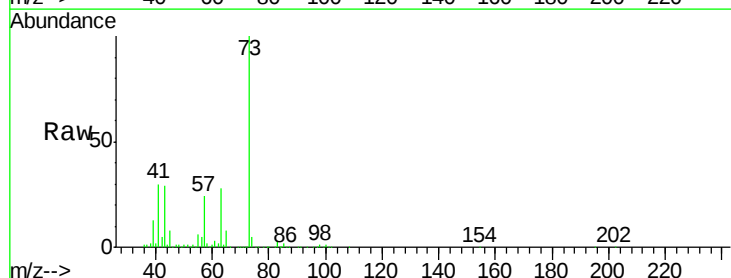
Acq: 7 Dec 2020 16:17

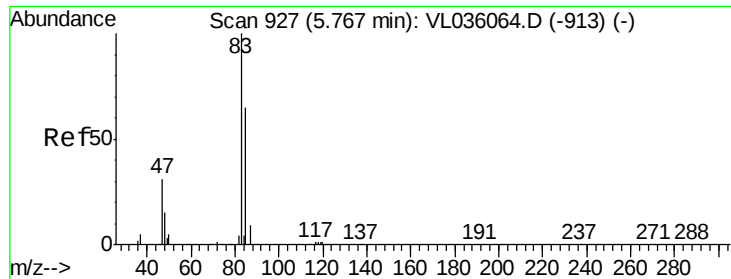
Tgt Ion: 73 Resp: 2714354

Ion Ratio Lower Upper

73 100

57 23.9 19.2 28.8





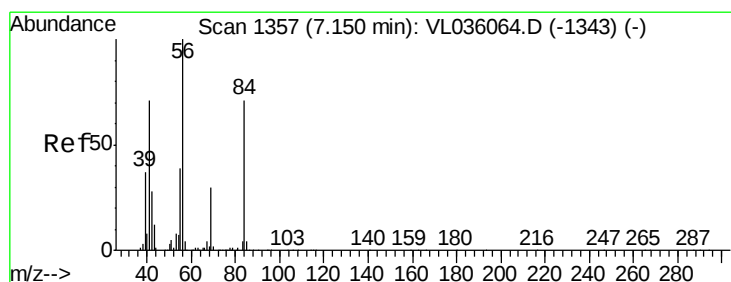
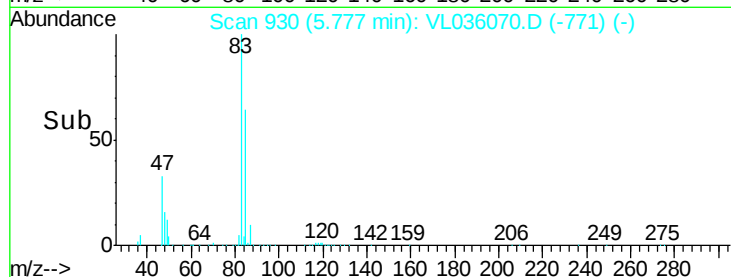
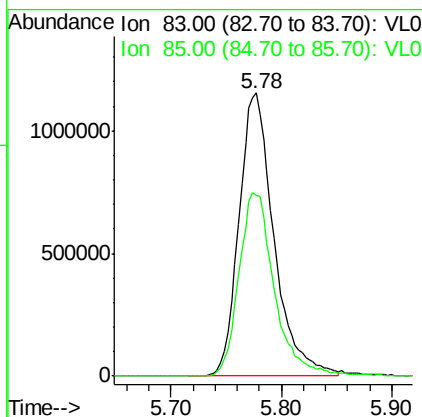
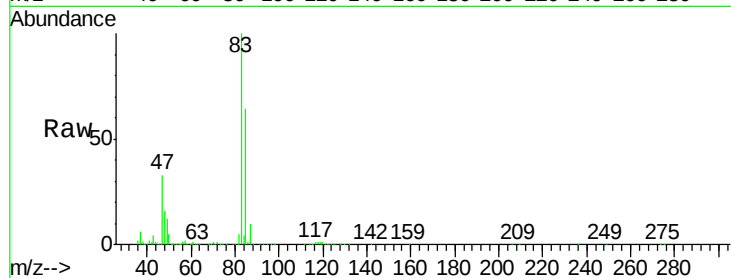
#29
Chloroform
Concen: 9.809 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.01 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 83 Resp: 2534119
Ion Ratio Lower Upper
83 100
85 63.7 51.8 77.6

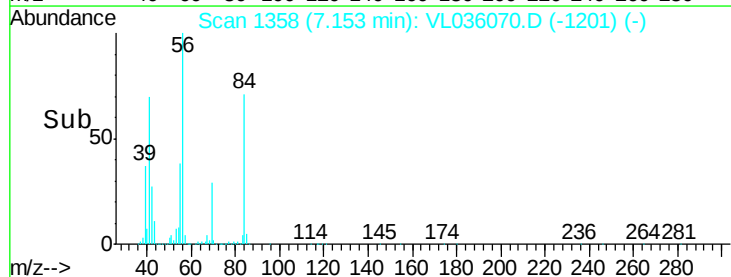
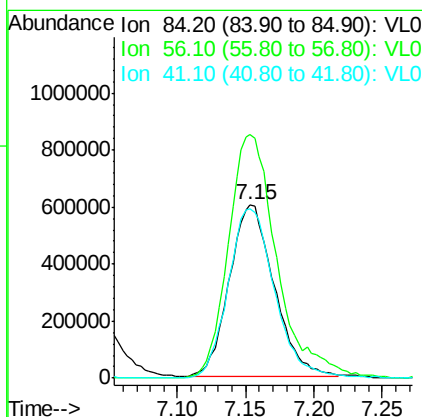
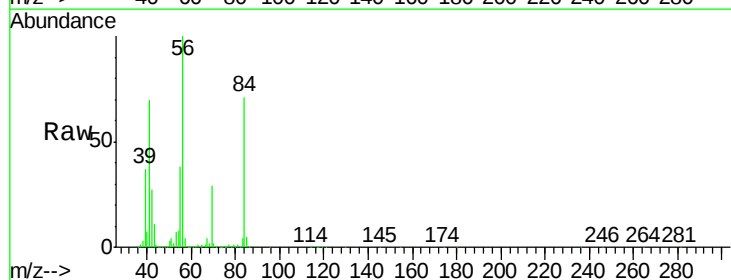
Manual Integrations
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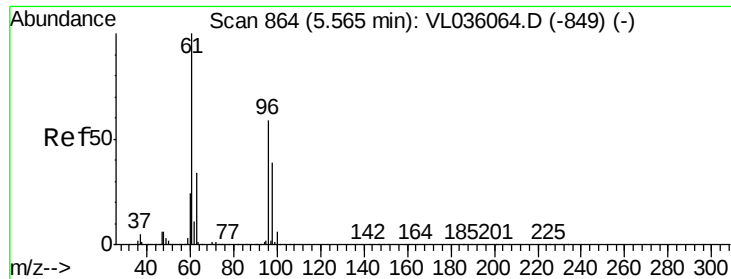
MMDadoda
12/10/2020 9:53:24 AM



#30
Cyclohexane
Concen: 10.677 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 84 Resp: 1378016
Ion Ratio Lower Upper
84 100
56 154.3 128.0 192.0
41 102.3 81.3 121.9





#31

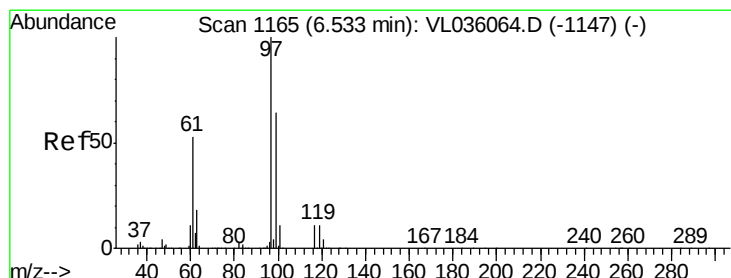
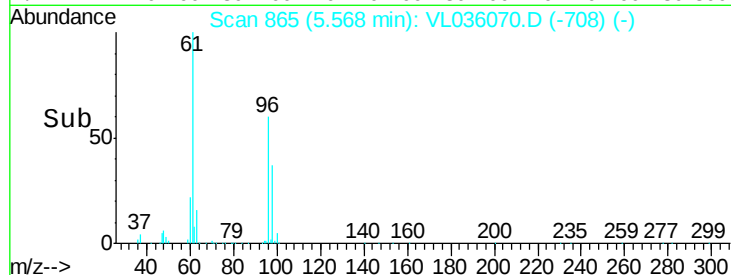
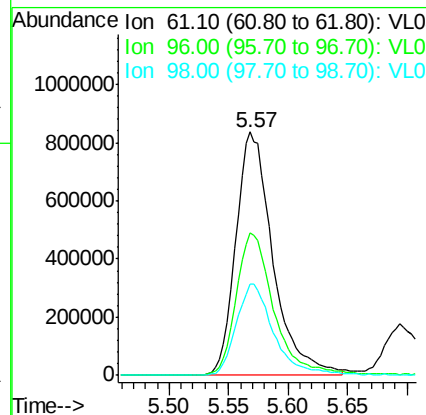
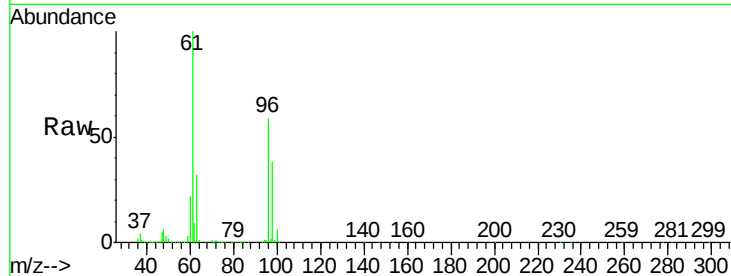
cis-1,2-Dichloroethene
Concen: 14.417 ppbv
RT: 5.57 min Scan# 865
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 61 Resp: 1804193
Ion Ratio Lower Upper
61 100
96 58.6 47.3 70.9
98 37.6 31.4 47.0

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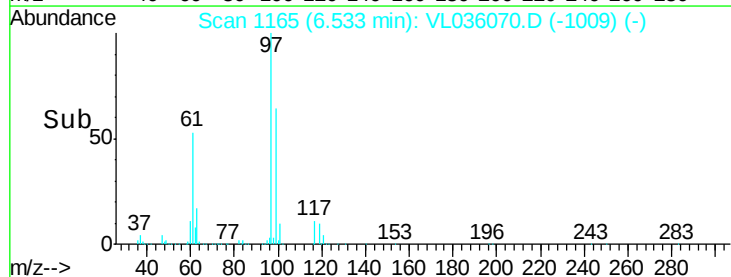
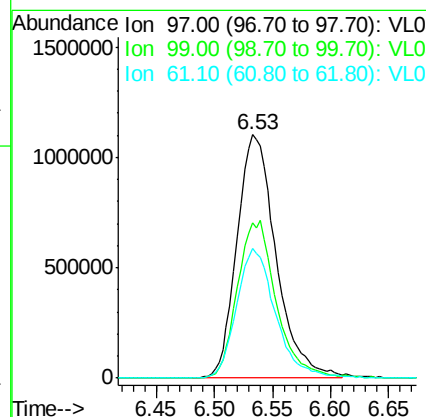
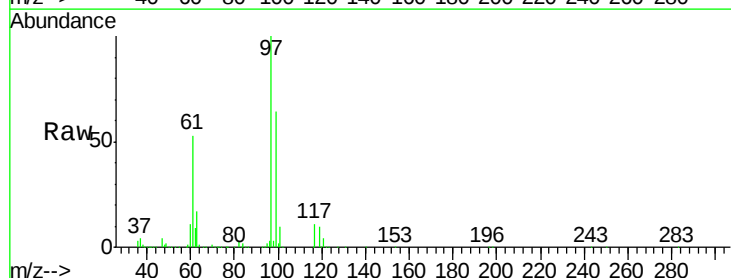
MMDadoda
12/10/2020 9:53:24 AM

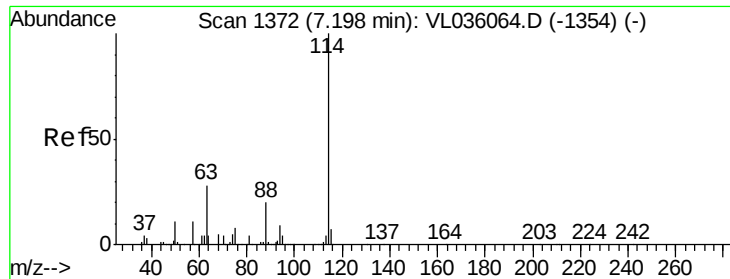


#32

1,1,1-Trichloroethane
Concen: 10.917 ppbv
RT: 6.53 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 97 Resp: 2585531
Ion Ratio Lower Upper
97 100
99 64.5 52.4 78.6
61 53.3 43.4 65.0





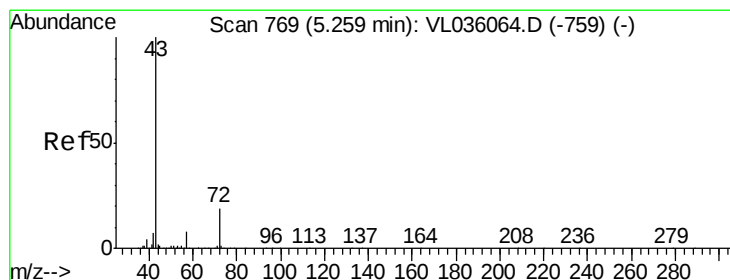
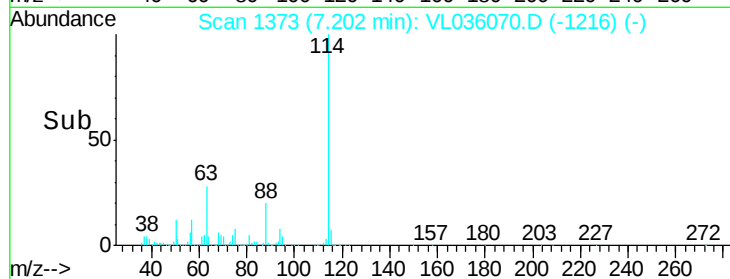
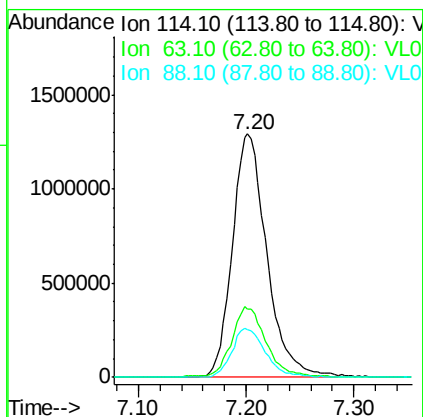
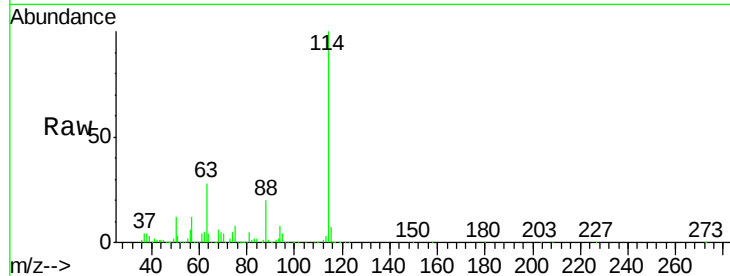
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.5	23.6	35.4
88	20.0	15.8	23.6

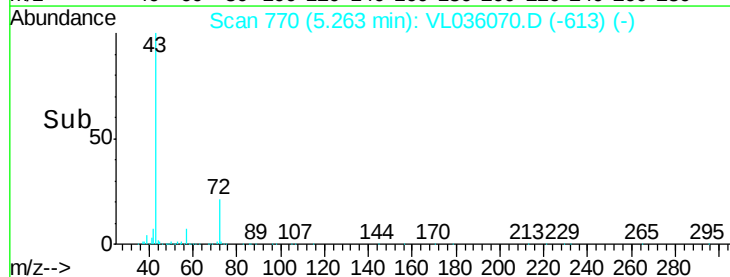
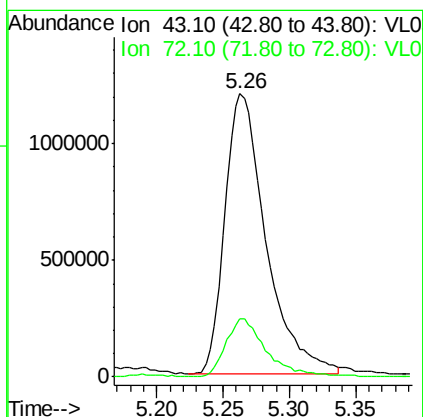
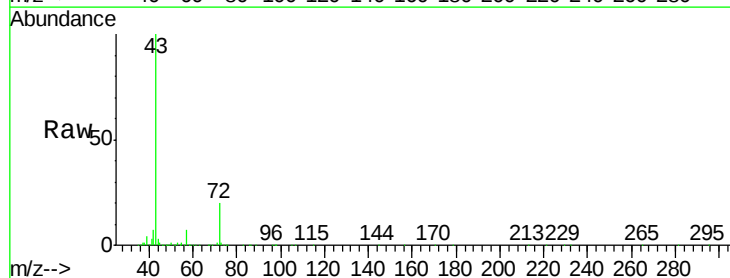
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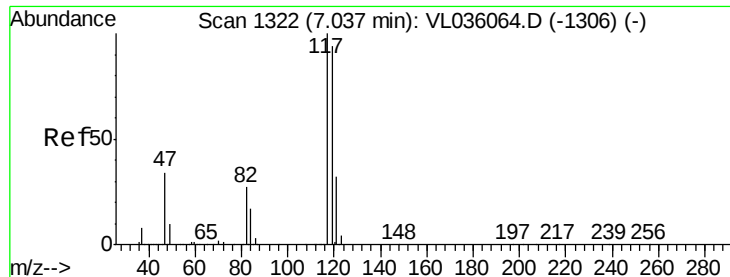
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#34
 2-Butanone
 Concen: 26.413 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.8	16.5	24.7





#35

Carbon Tetrachloride

Concen: 16.660 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:117 Resp: 2505644

Ion Ratio Lower Upper

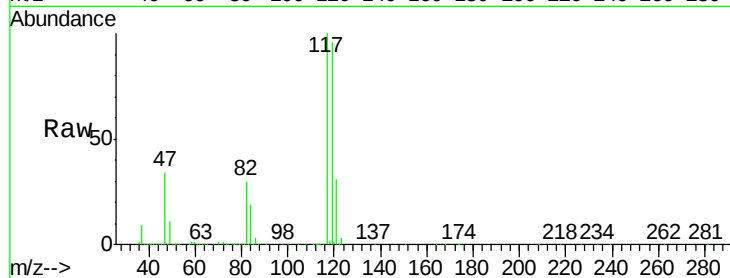
117 100

119 95.8 75.1 112.7

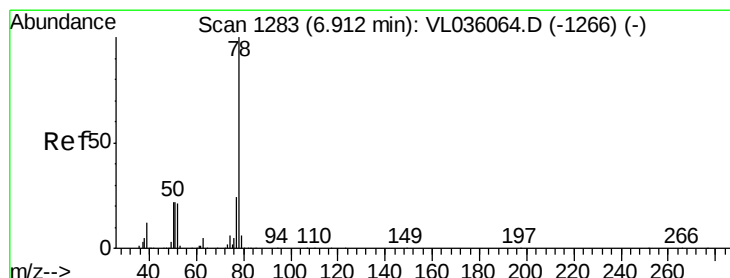
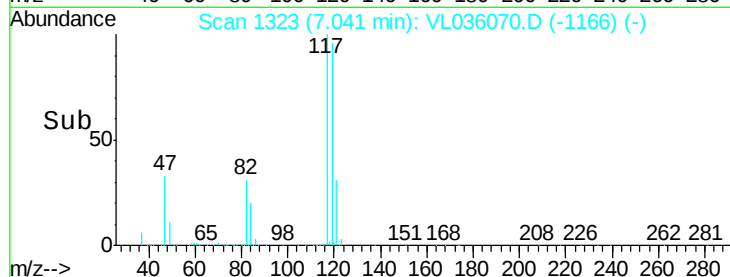
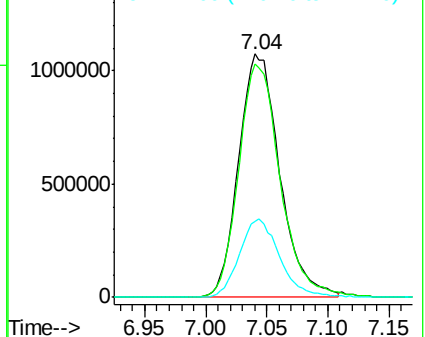
121 31.4 25.6 38.4

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 17.507 ppbv

RT: 6.92 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

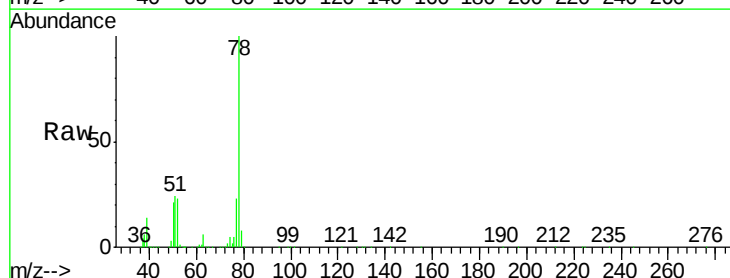
Tgt Ion: 78 Resp: 3444432

Ion Ratio Lower Upper

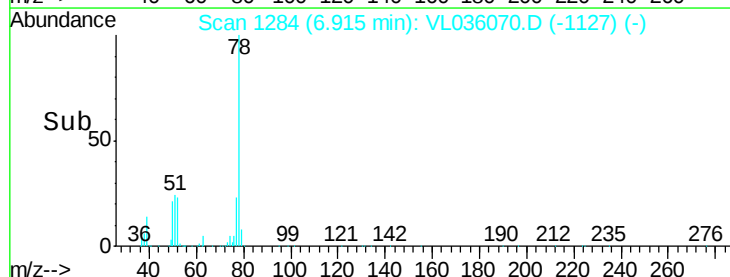
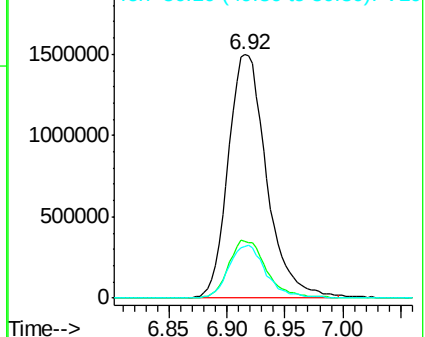
78 100

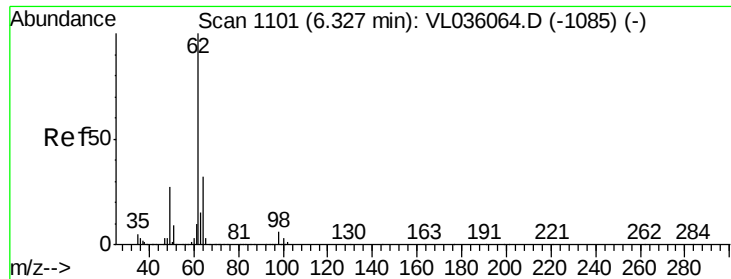
77 23.1 19.4 29.2

50 21.3 17.8 26.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





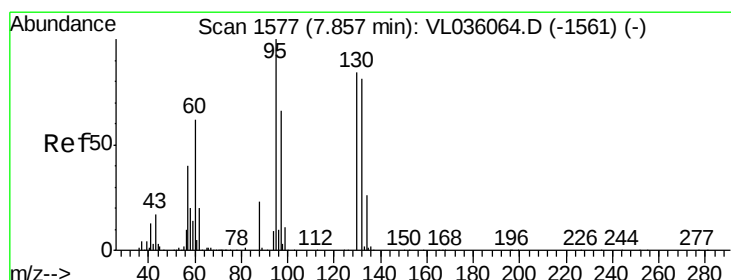
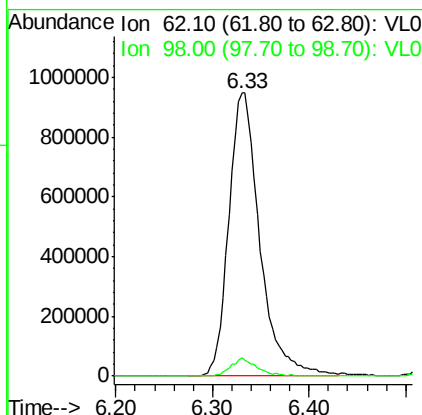
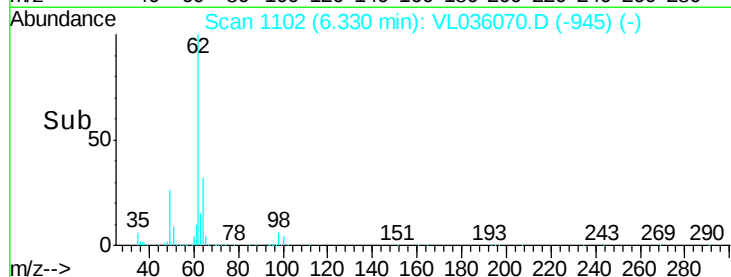
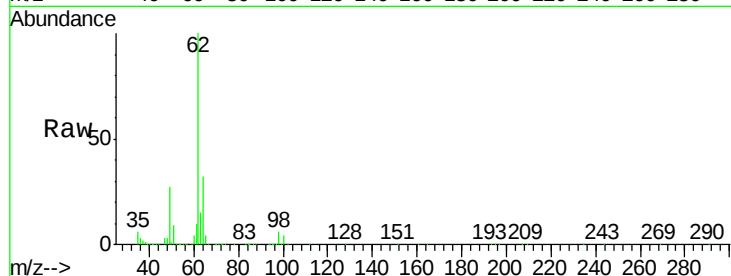
#37
1,2-Dichloroethane
Concen: 20.727 ppbv
RT: 6.33 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 62 Resp: 2115509
Ion Ratio Lower Upper
62 100
98 5.6 4.6 7.0

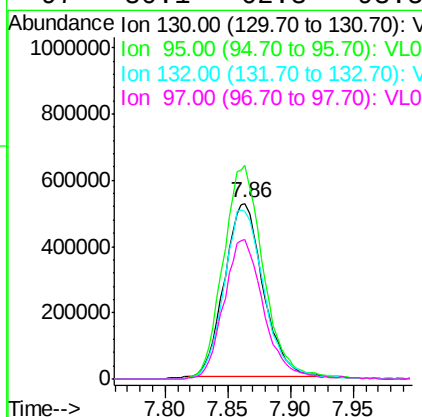
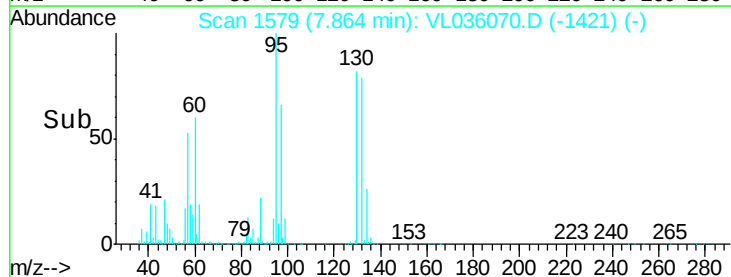
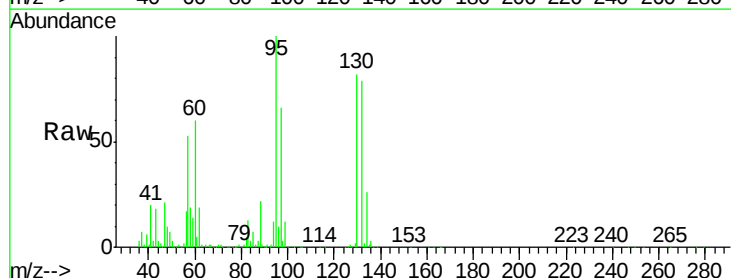
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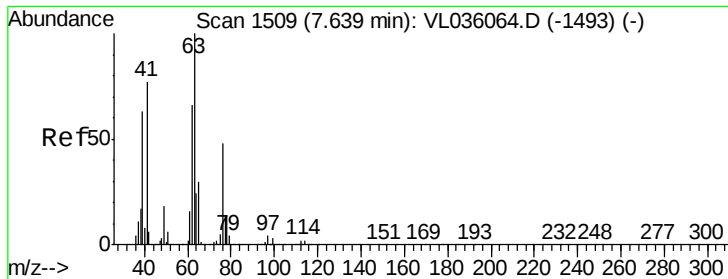
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12/10/2020 9:53:24 AM



#38
Trichloroethene
Concen: 12.842 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 130 Resp: 1130495
Ion Ratio Lower Upper
130 100
95 122.0 95.2 142.8
132 95.9 76.9 115.3
97 80.1 62.3 93.5





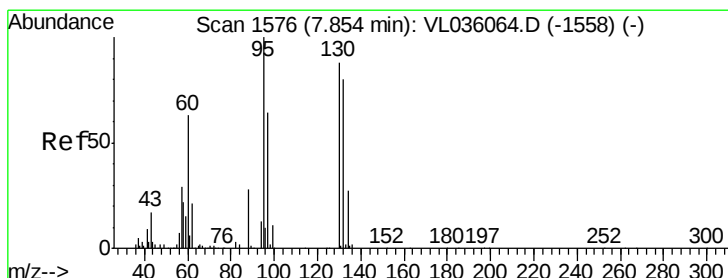
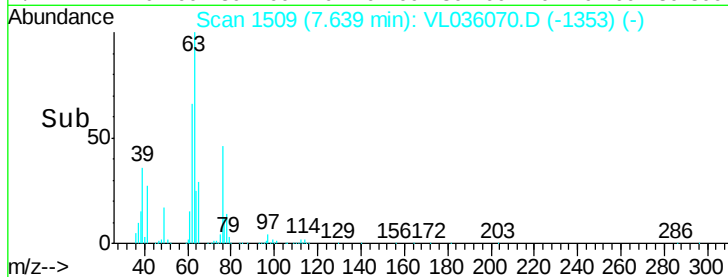
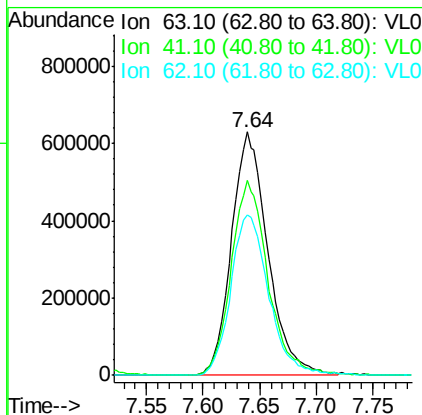
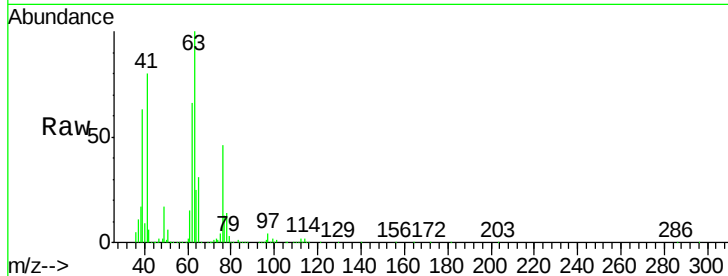
#39
 1,2-Dichloropropane
 Concen: 18.673 ppbv
 RT: 7.64 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
63	100		
41	79.6	61.9	92.9
62	65.6	52.5	78.7

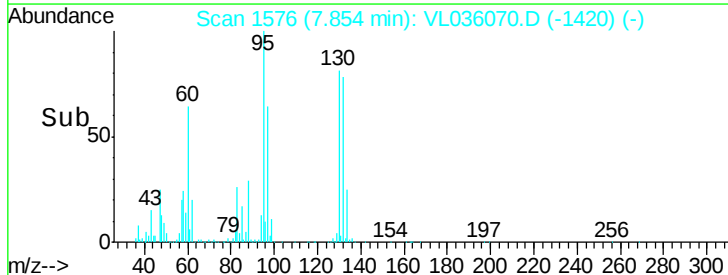
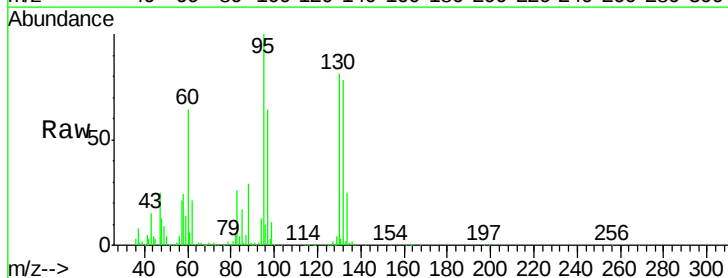
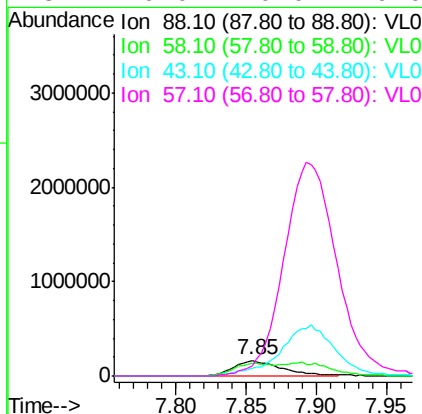
Manual Integrations
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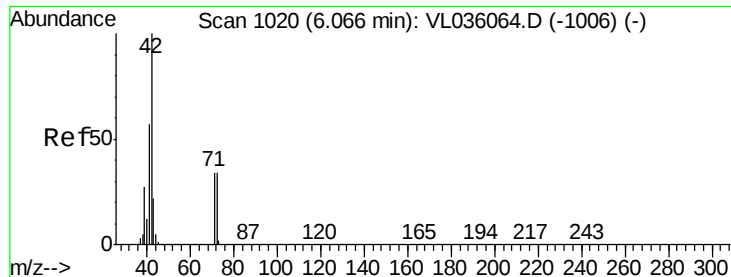
MMDadoda
 12/10/2020 9:53:24 AM



#40
 1,4-Dioxane
 Concen: 15.537 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





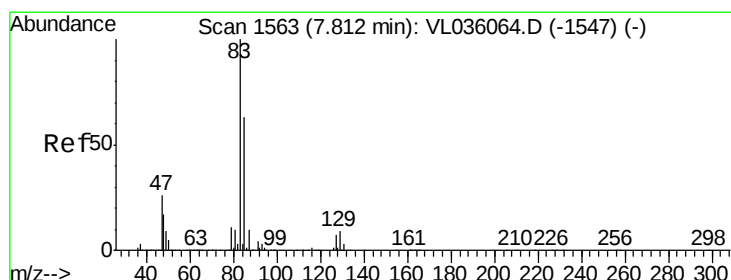
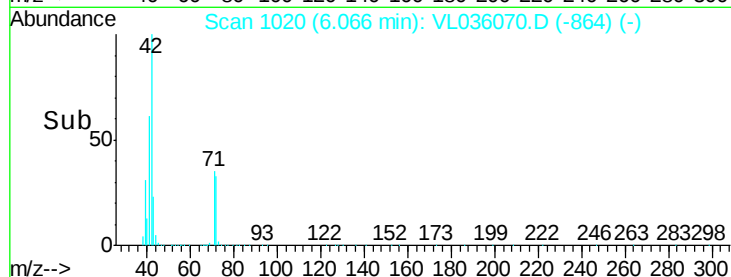
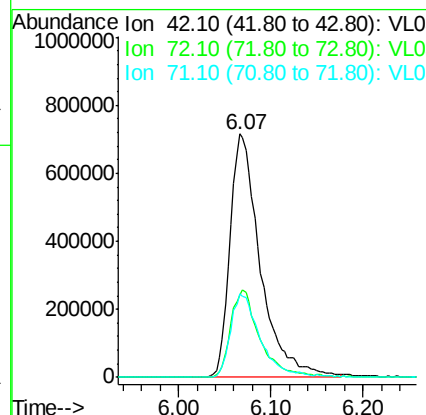
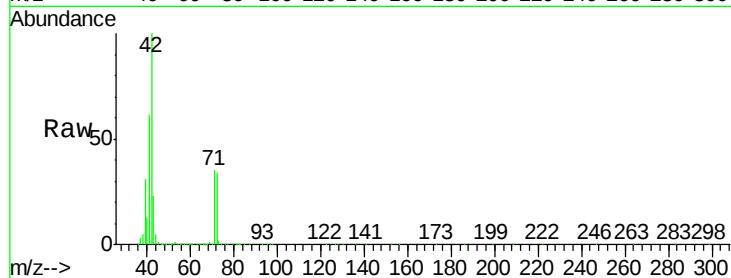
#41
Tetrahydrofuran
Concen: 31.877 ppbv m
RT: 6.07 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	28.3	42.5
71	34.1	27.3	40.9

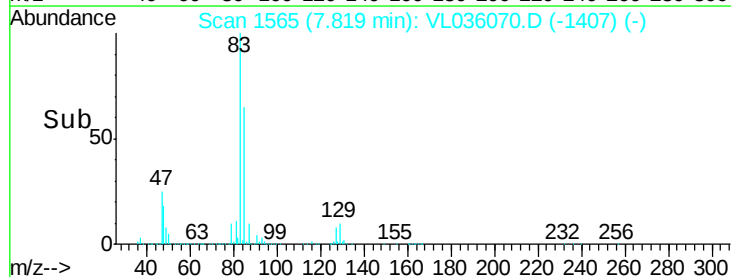
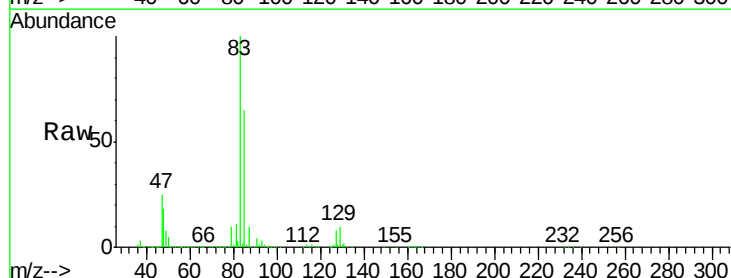
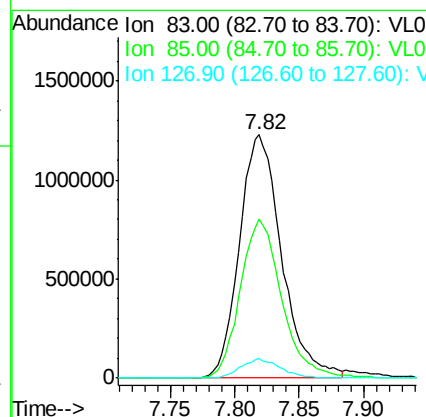
Manual Integrations
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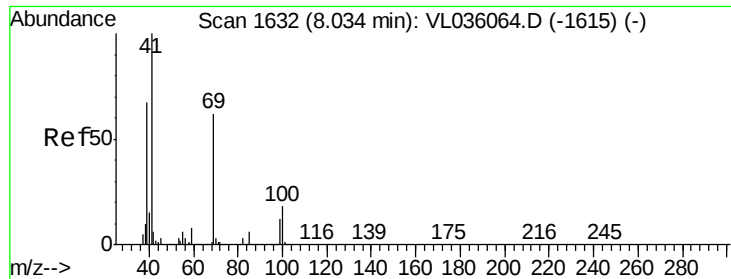
MMDadoda
12/10/2020 9:53:24 AM



#42
Bromodichloromethane
Concen: 17.310 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.2	75.2
127	7.9	5.5	8.3





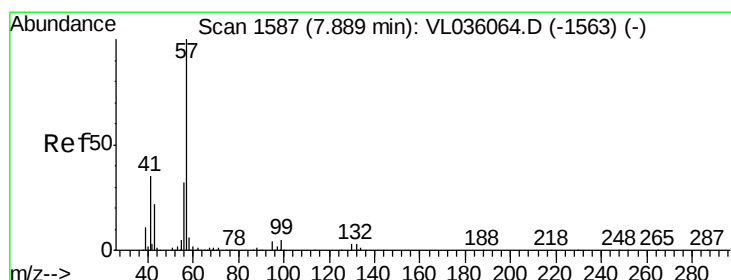
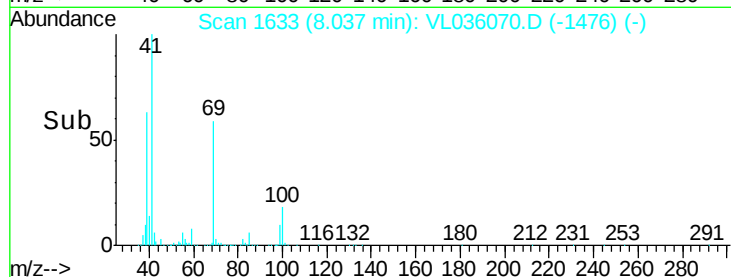
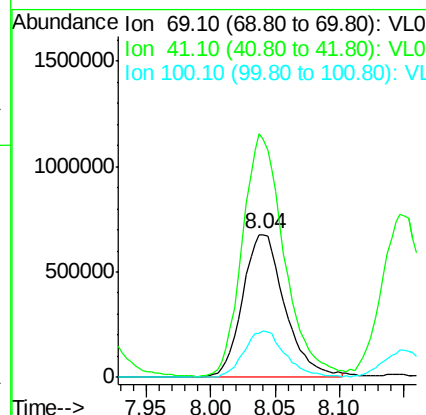
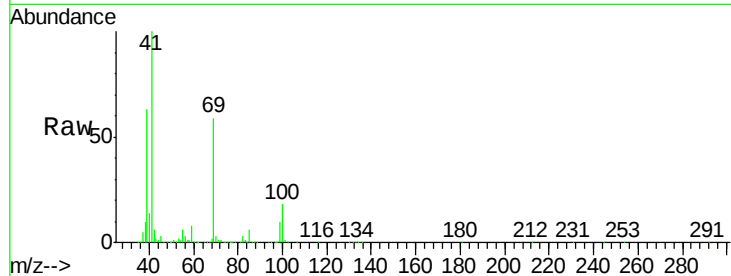
#43
Methvl Methacrilate
Concen: 21.586 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 69 Resp: 1547119
Ion Ratio Lower Upper
69 100
41 168.1 133.0 199.6
100 32.0 25.4 38.0

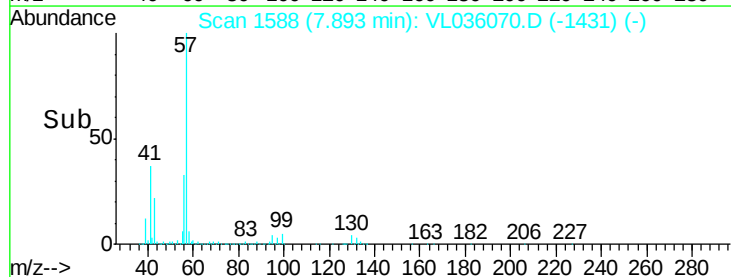
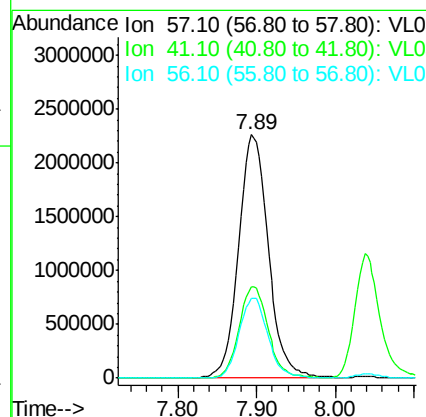
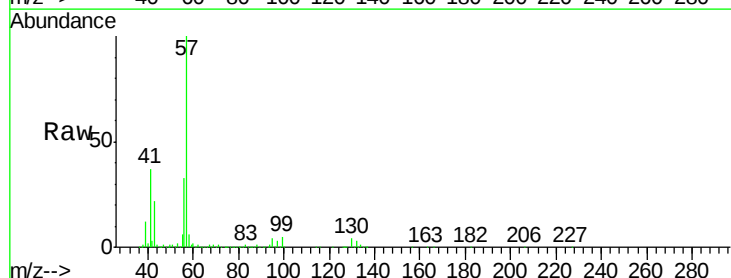
Manual Integrations
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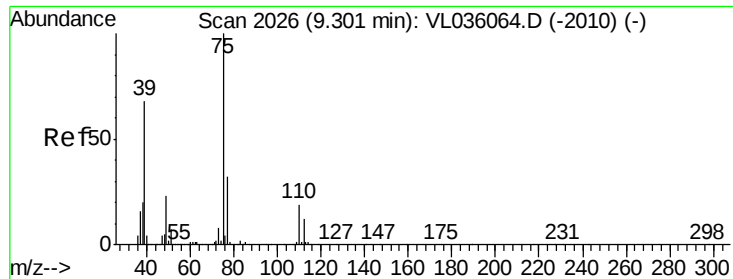
MMDadoda
12/10/2020 9:53:24 AM



#44
2,2,4-Trimethylpentane
Concen: 20.483 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 57 Resp: 5973879
Ion Ratio Lower Upper
57 100
41 36.9 28.9 43.3
56 31.9 25.3 37.9





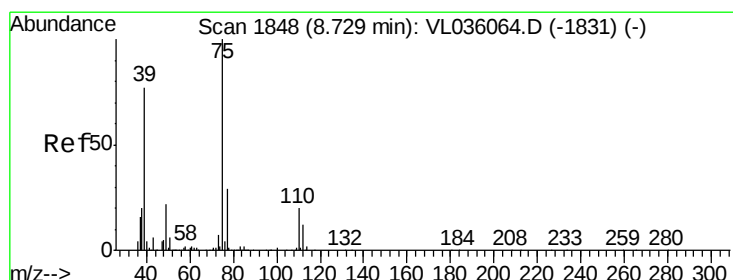
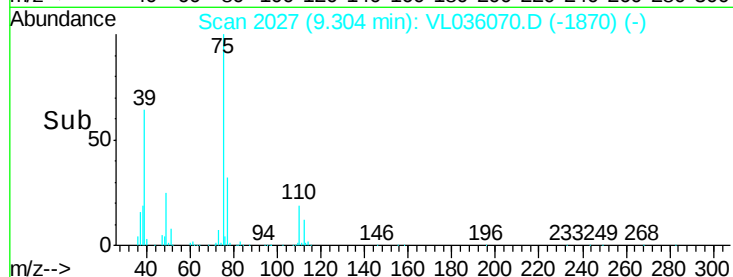
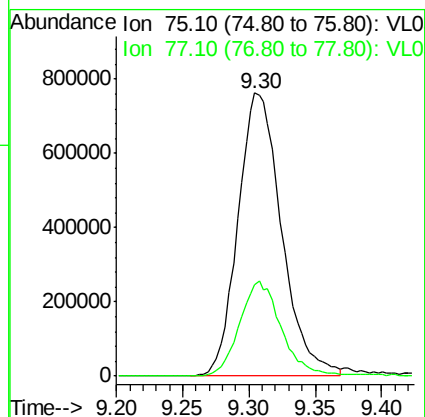
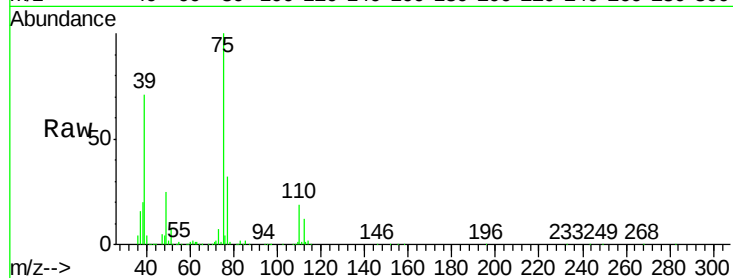
#45
t-1,3-Dichloropropene
Concen: 25.690 ppbv
RT: 9.30 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 75 Resp: 1740328
Ion Ratio Lower Upper
75 100
77 32.3 26.0 39.0

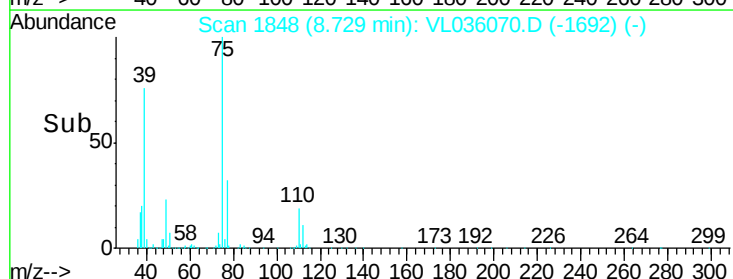
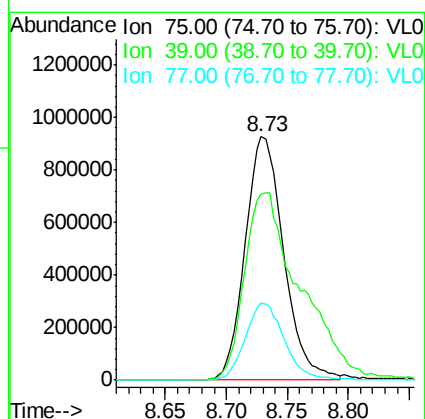
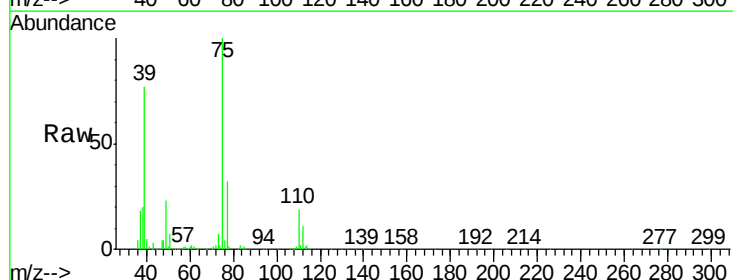
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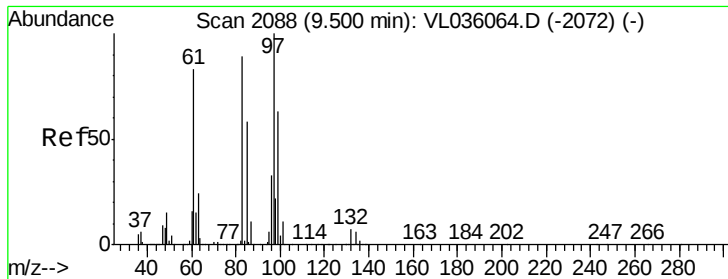
MMDadoda
12/10/2020 9:53:24 AM



#46
cis-1,3-Dichloropropene
Concen: 22.314 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 75 Resp: 2026303
Ion Ratio Lower Upper
75 100
39 76.4 61.6 92.4
77 31.6 23.0 34.6





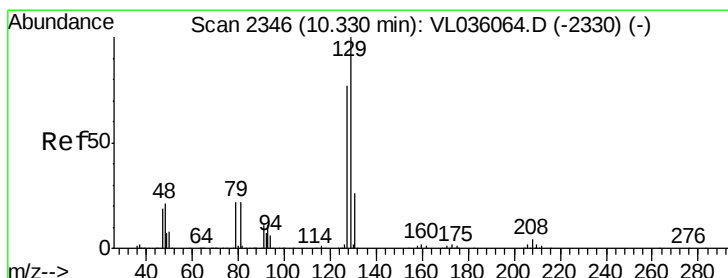
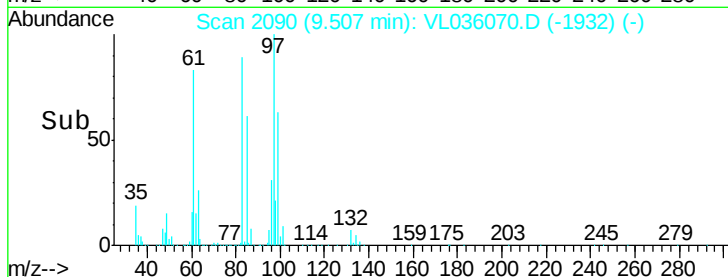
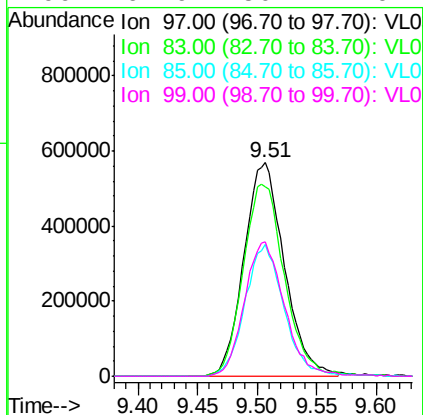
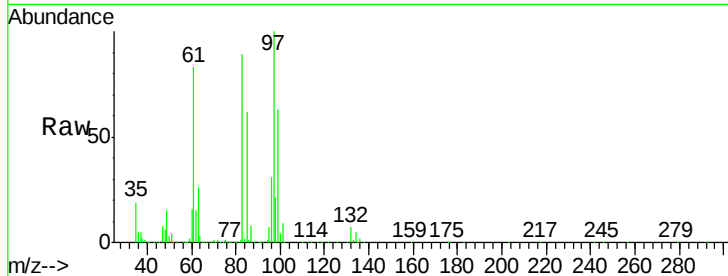
#47
 1,1,2-Trichloroethane
 Concen: 14.153 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.01 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.4	107.2
85	61.5	46.6	70.0
99	62.9	50.7	76.1

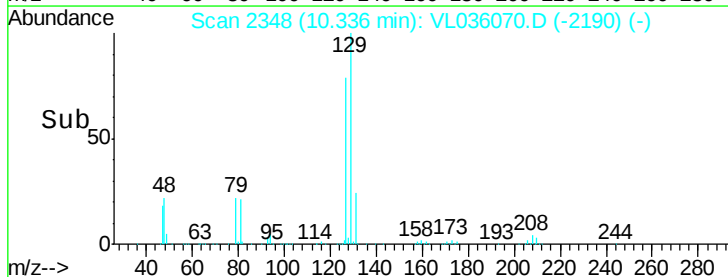
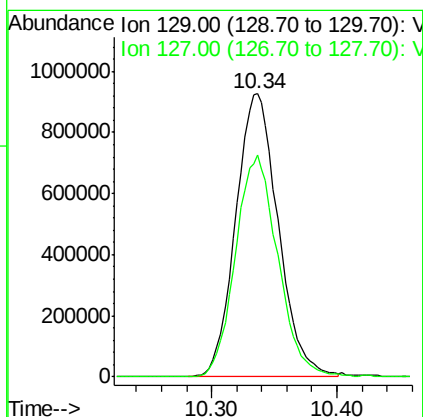
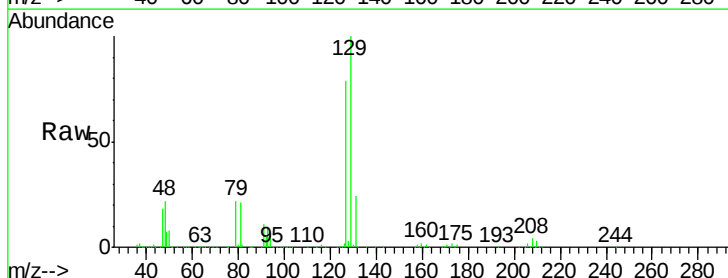
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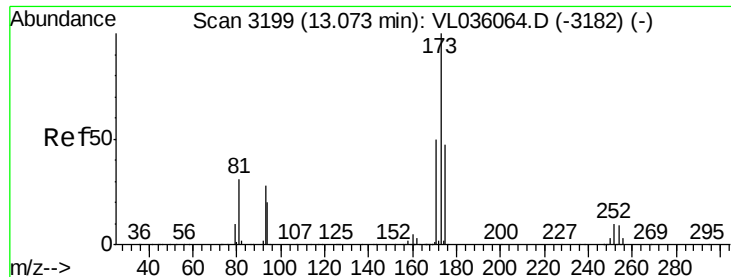
MMDadoda
 12/10/2020 9:53:24 AM



#48
 Dibromochloromethane
 Concen: 16.423 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.01 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.0	117.0





#49

Bromoform

Concen: 18.128 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 1788277

Ion Ratio Lower Upper

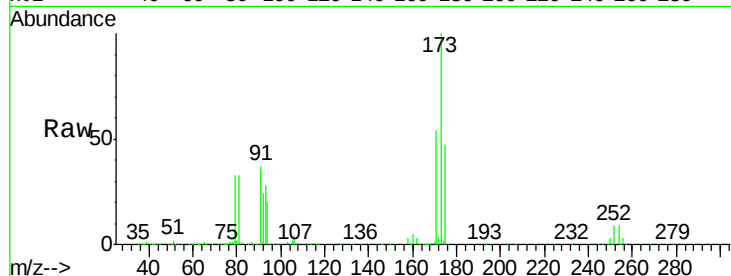
173 100

175 49.5 39.8 59.6

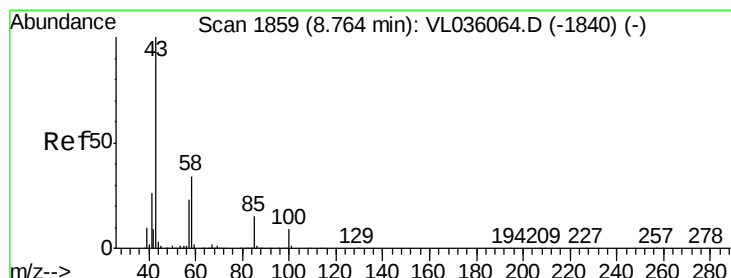
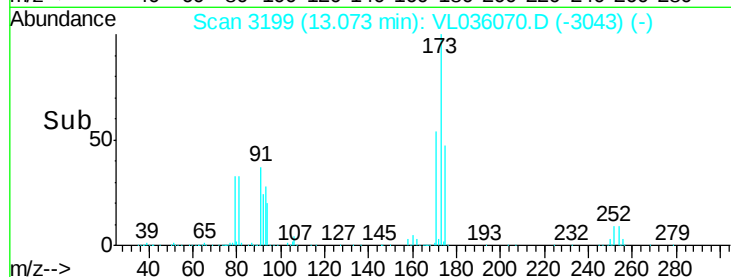
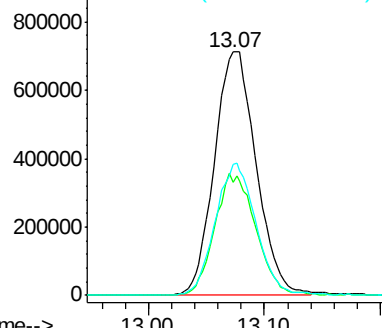
171 53.2 42.5 63.7

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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 27.140 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VL036070.D

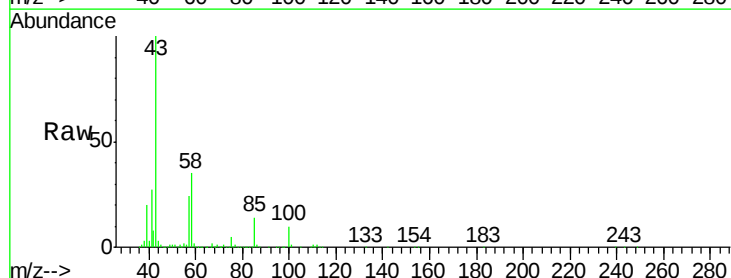
Acq: 7 Dec 2020 16:17

Tgt Ion: 43 Resp: 4067437

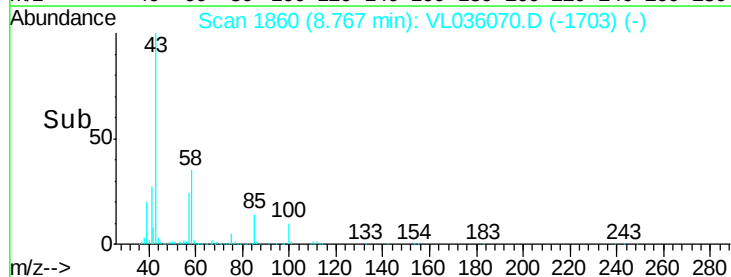
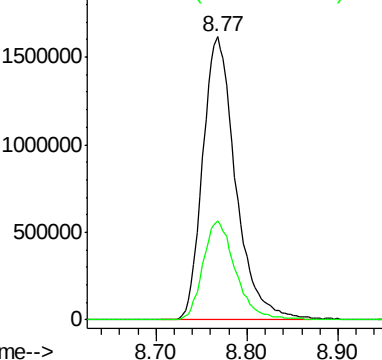
Ion Ratio Lower Upper

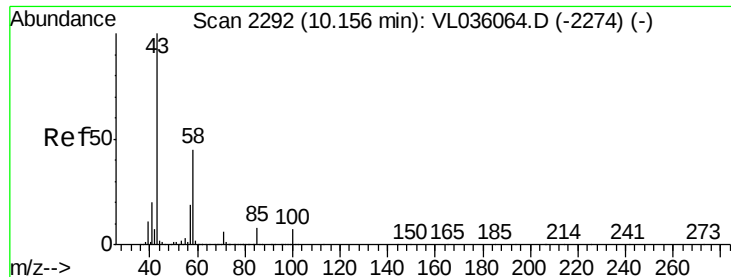
43 100

58 34.7 27.4 41.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





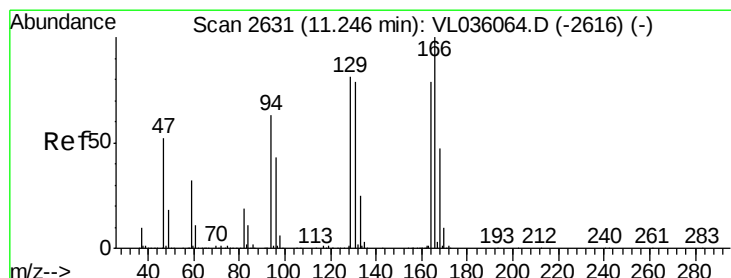
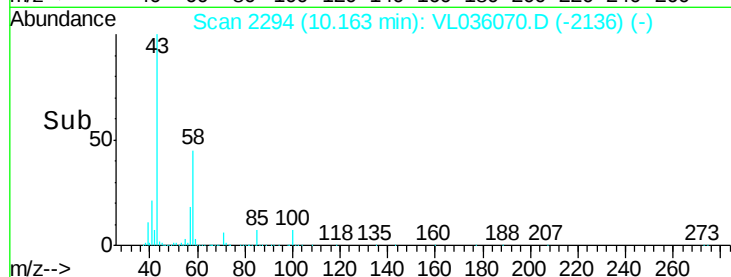
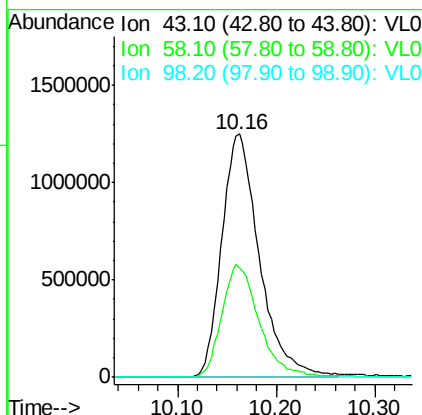
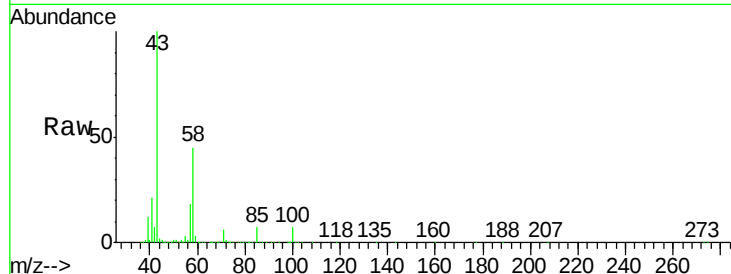
#51
2-Hexanone
Concen: 30.519 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 3309588
Ion Ratio Lower Upper
43 100
58 46.8 38.7 58.1
98 0.0 0.1 0.1#

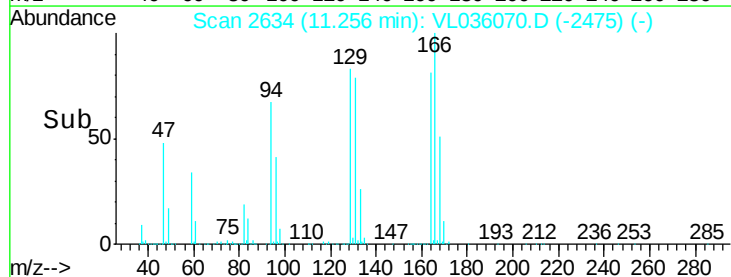
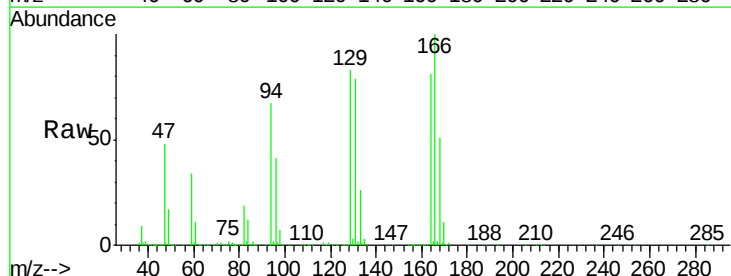
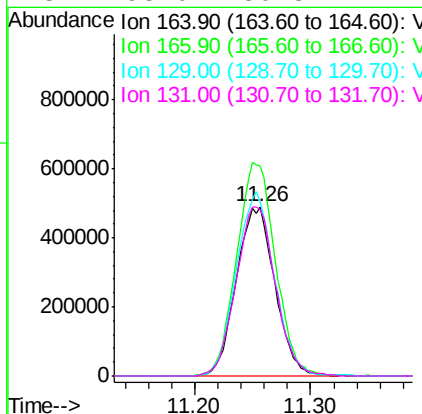
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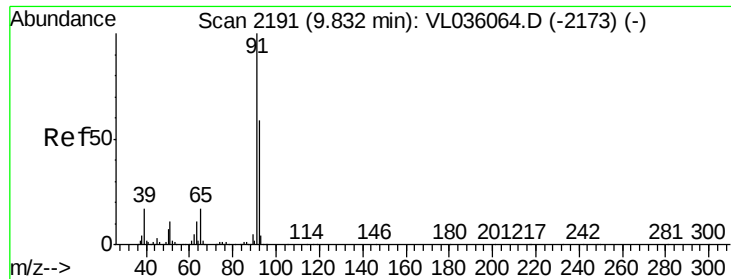
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#52
Tetrachloroethene
Concen: 14.857 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.01 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 164 Resp: 1133239
Ion Ratio Lower Upper
164 100
166 123.7 101.9 152.9
129 102.3 82.1 123.1
131 98.0 80.8 121.2





#53

Toluene

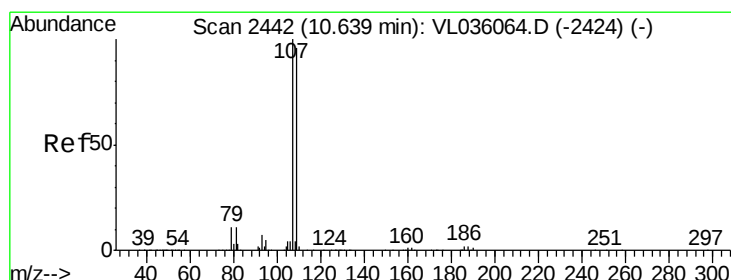
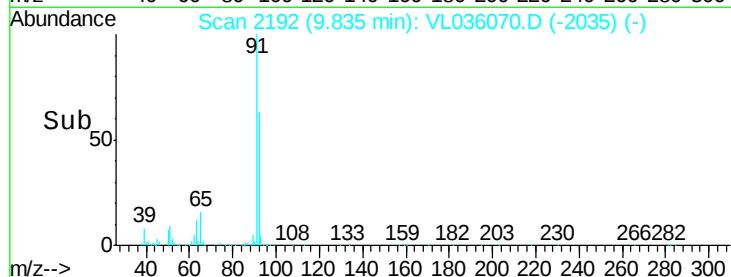
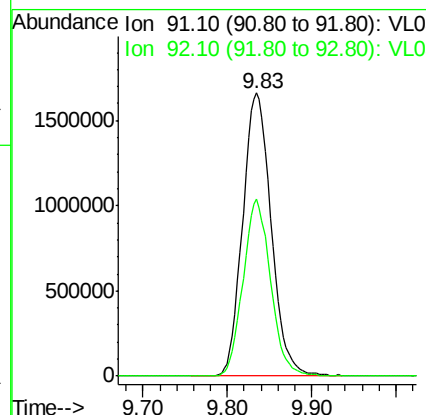
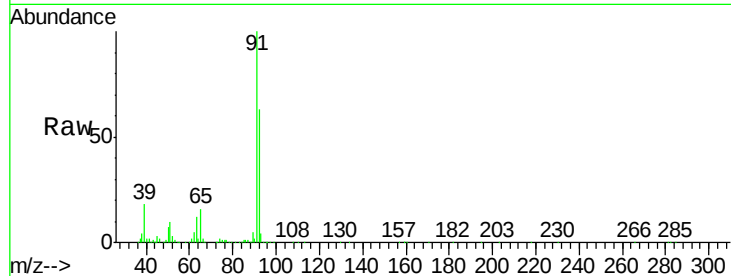
Concen: 18.230 ppbv m
RT: 9.83 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 3905334
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.2#

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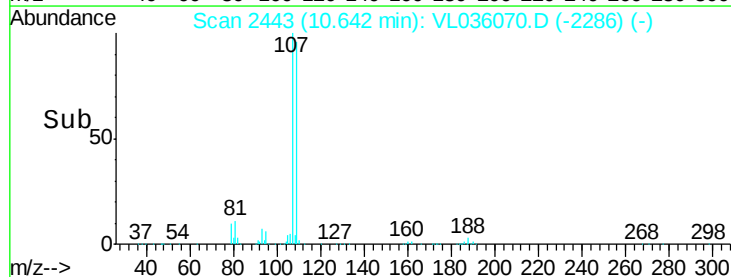
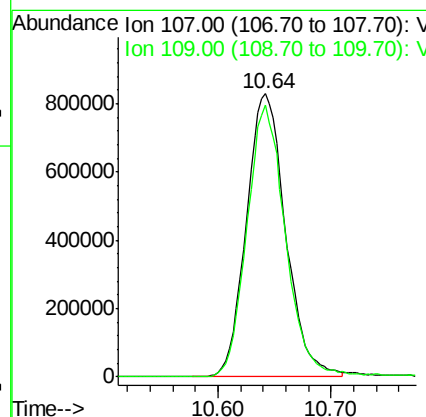
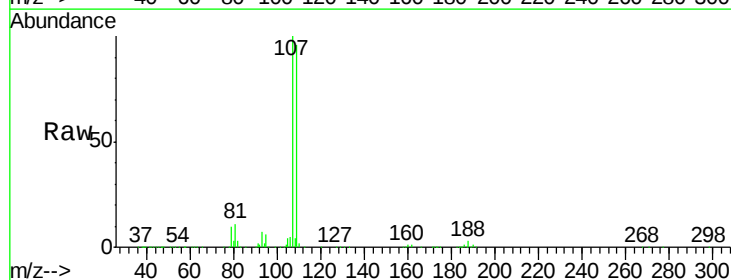


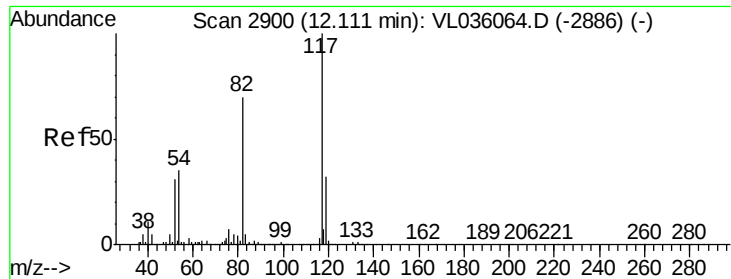
#54

1,2-Dibromoethane

Concen: 14.930 ppbv
RT: 10.64 min Scan# 2443
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 107 Resp: 2000998
Ion Ratio Lower Upper
107 100
109 95.8 76.6 115.0





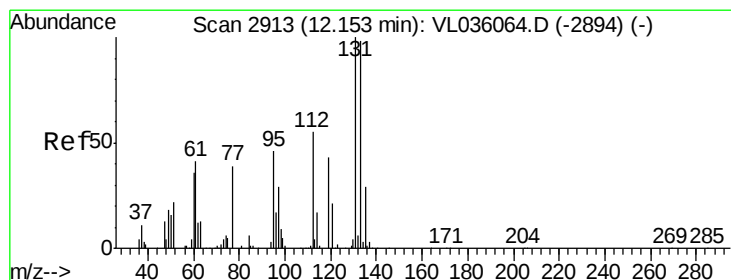
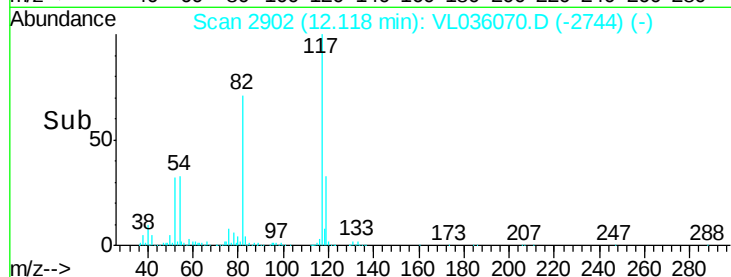
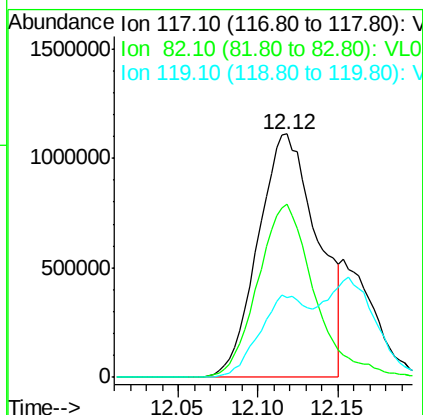
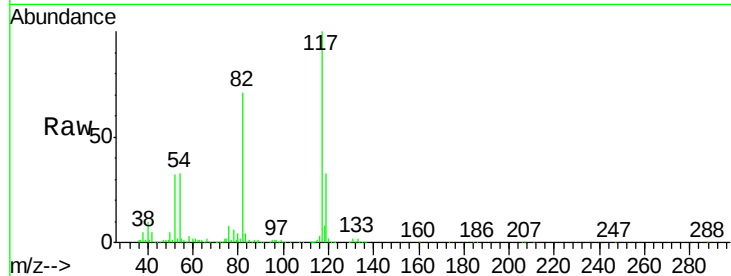
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.3	0.0	0.0#
119	0.0	0.0	0.0

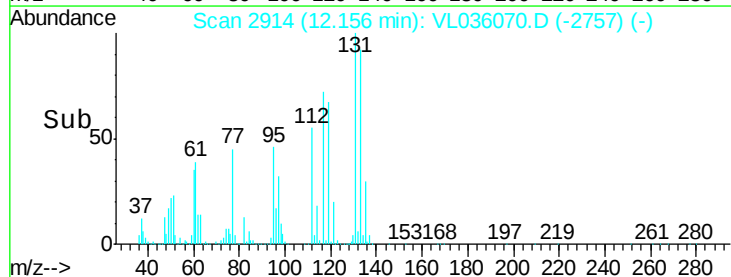
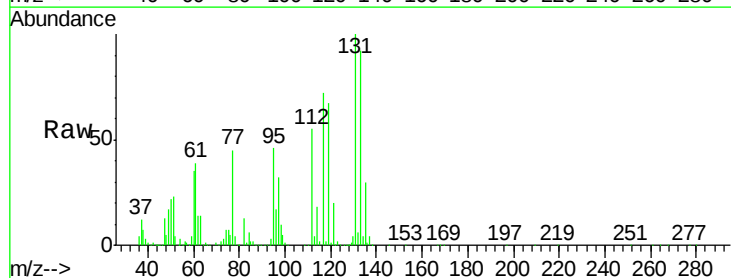
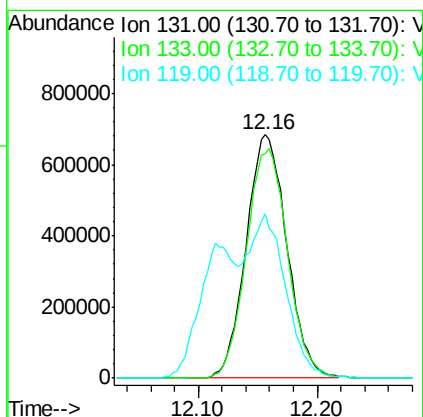
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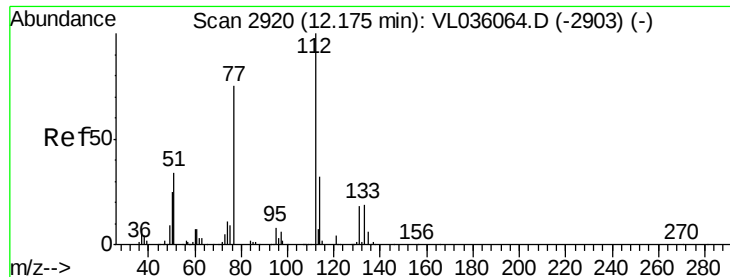
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#56
1,1,1,2-Tetrachloroethane
Concen: 13.839 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	77.7	116.5
119	68.4	51.6	77.4





#57

Chlorobenzene

Concen: 12.330 ppbv

RT: 12.18 min Scan# 2921

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:112 Resp: 2605712

Ion Ratio Lower Upper

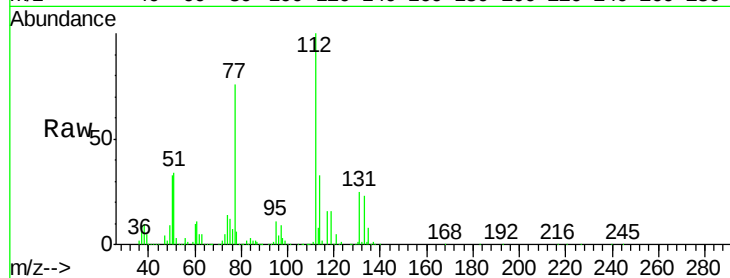
112 100

77 75.0 60.5 90.7

114 32.6 29.2 35.6

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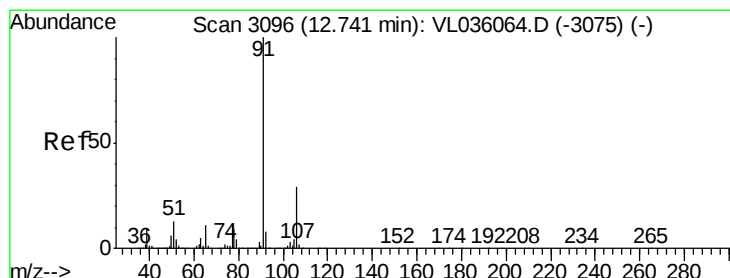
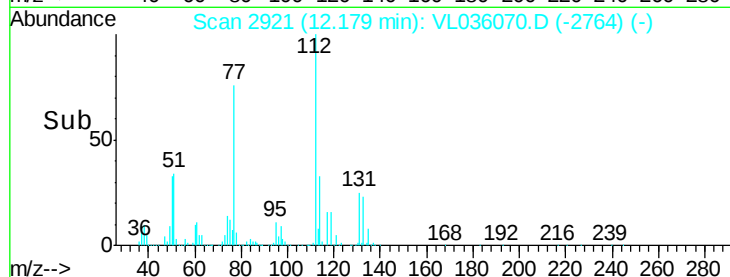
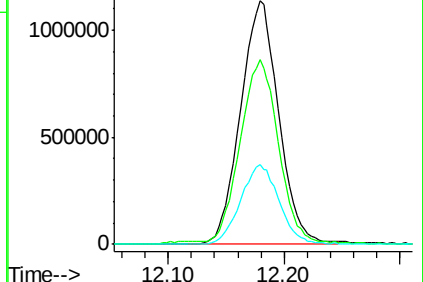
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 18.064 ppbv

RT: 12.74 min Scan# 3096

Delta R.T. 0.00 min

Lab File: VL036070.D

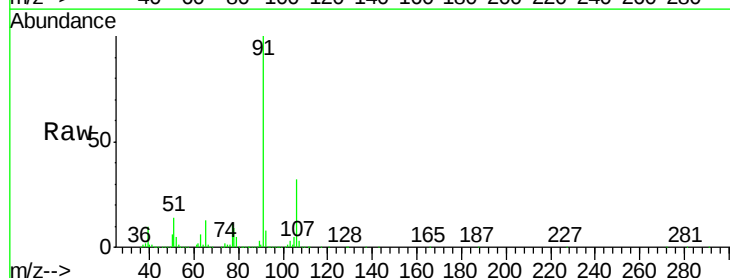
Acq: 7 Dec 2020 16:17

Tgt Ion: 91 Resp: 5118197

Ion Ratio Lower Upper

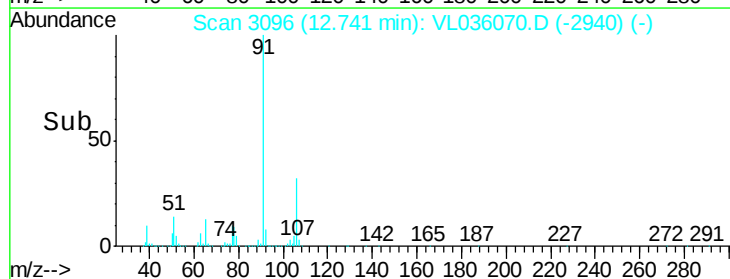
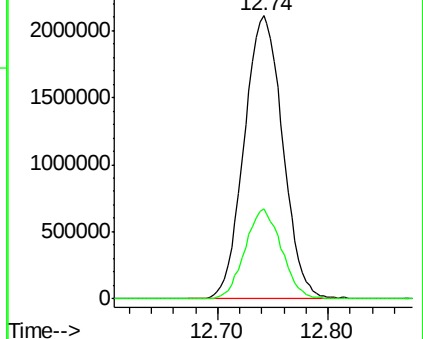
91 100

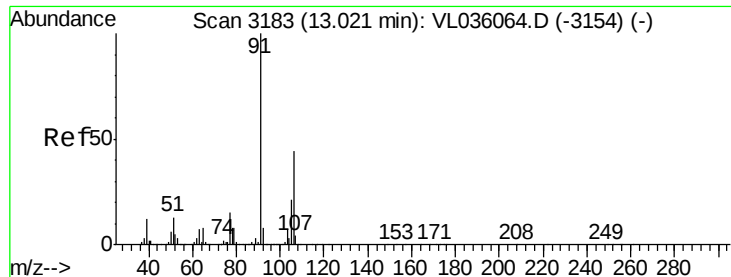
106 31.8 23.0 34.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 32.717 ppbv m

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 91 Resp: 8451846

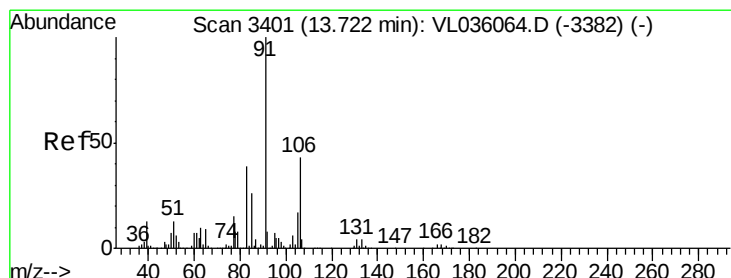
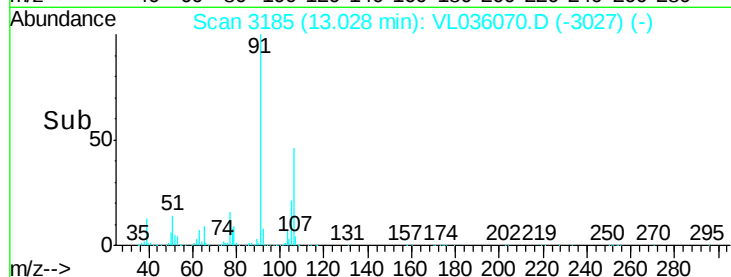
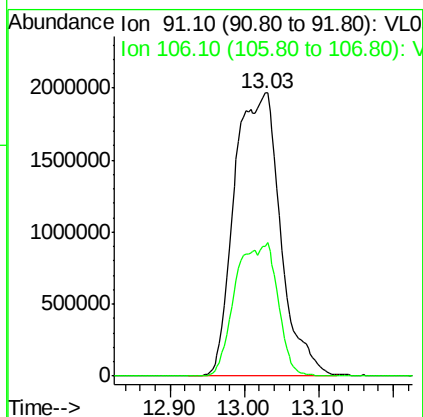
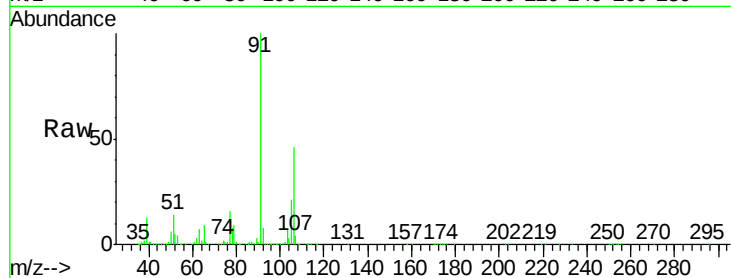
Ion Ratio Lower Upper

91 100

106 43.1 33.6 50.4

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#60

o-Xylene

Concen: 15.129 ppbv

RT: 13.72 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VL036070.D

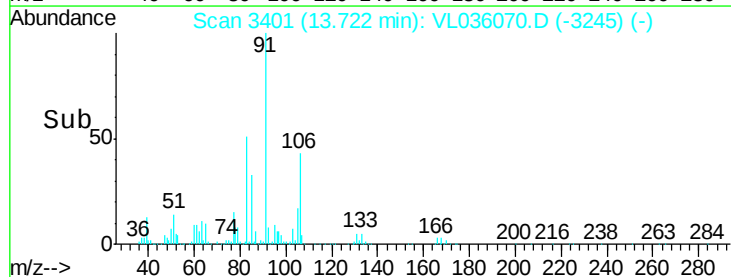
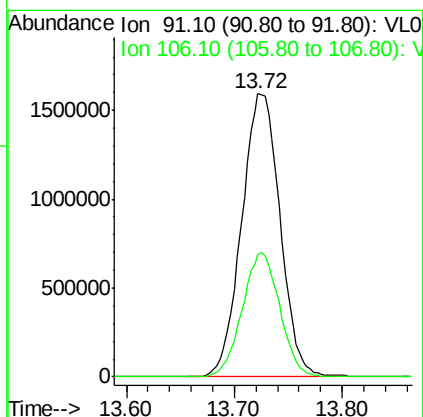
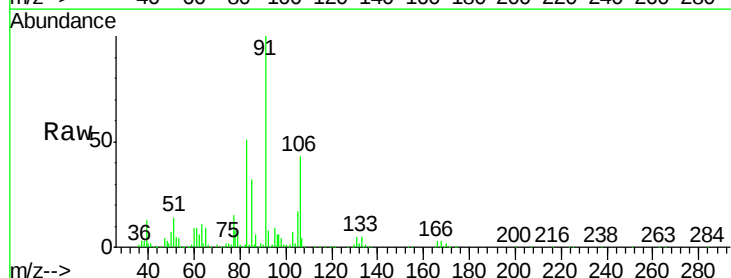
Acq: 7 Dec 2020 16:17

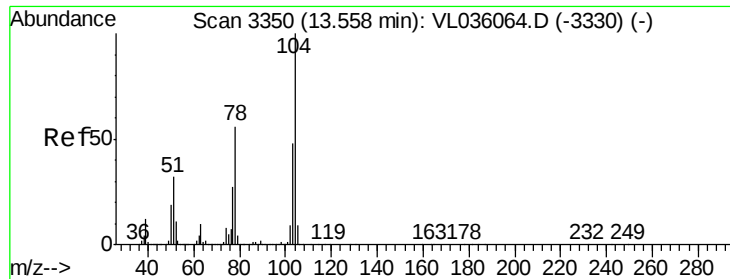
Tgt Ion: 91 Resp: 3944010

Ion Ratio Lower Upper

91 100

106 43.0 21.6 64.6





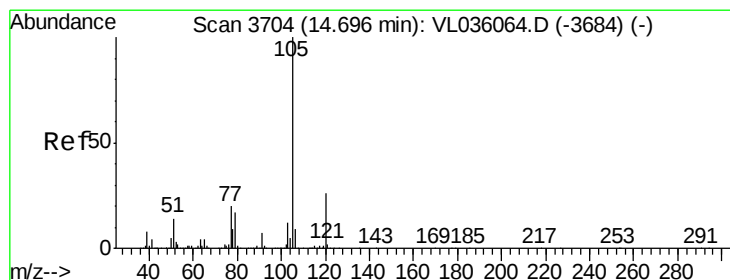
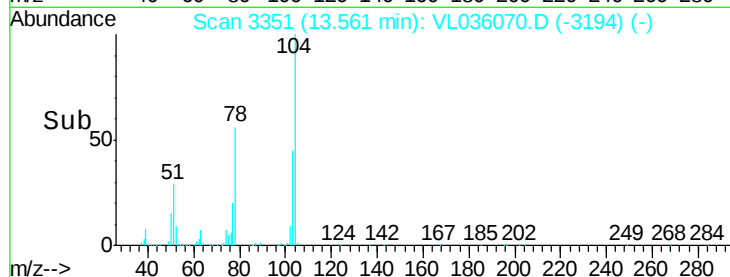
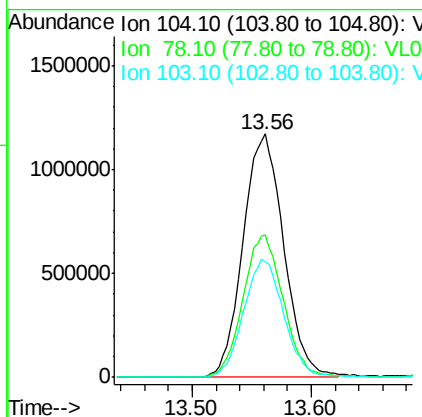
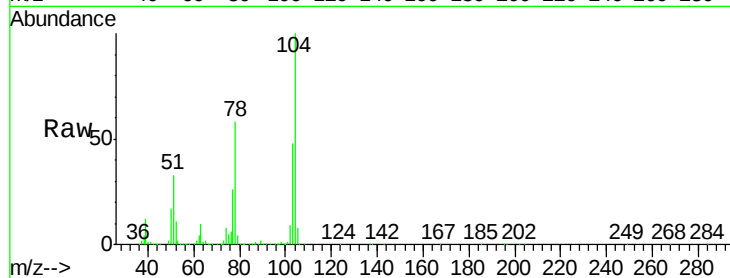
#61
Stvrene
Concen: 18.778 ppbv
RT: 13.56 min Scan# 3351
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion	Ratio	Lower	Upper
104	100		
78	58.1	45.8	68.8
103	47.9	38.6	57.8

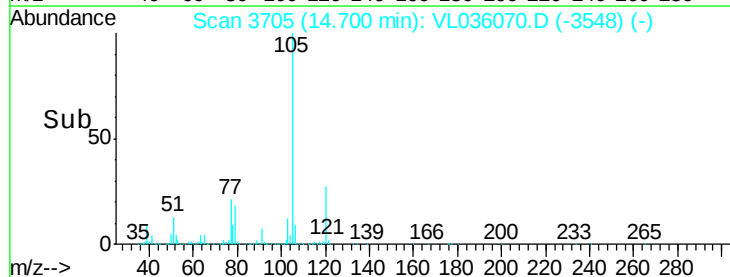
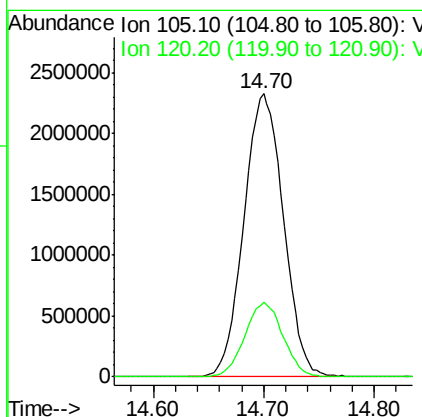
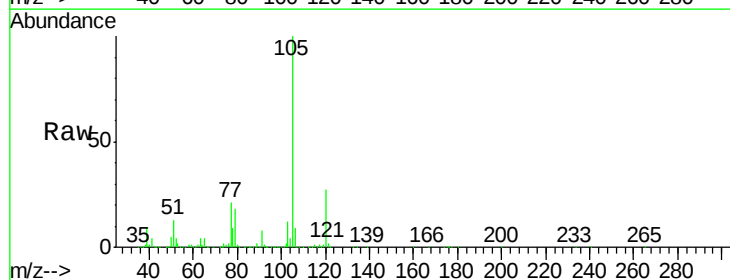
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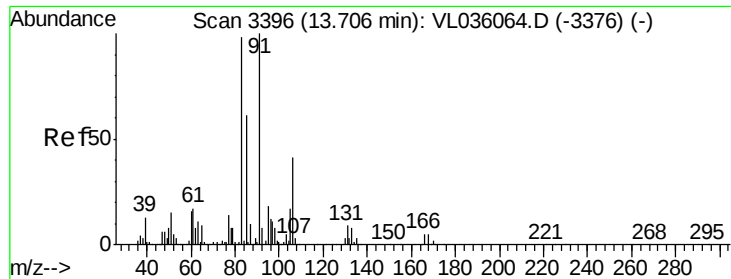
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#62
Isopropylbenzene
Concen: 14.940 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.1	30.1





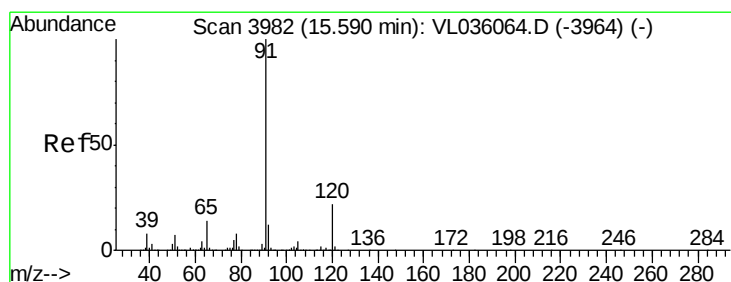
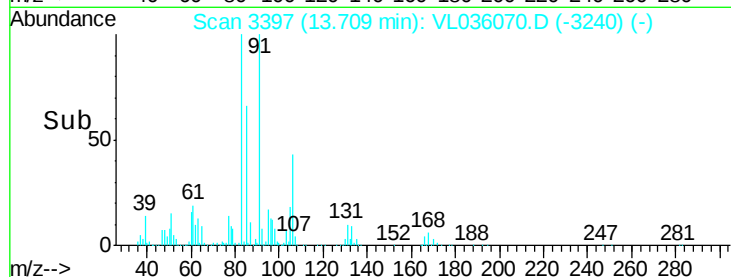
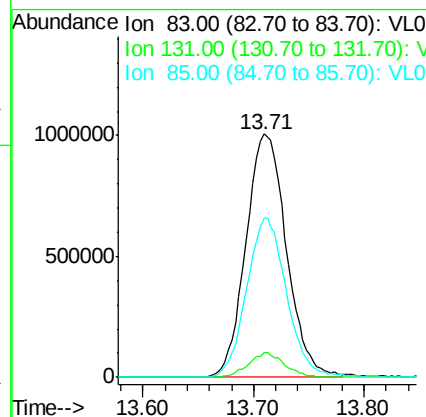
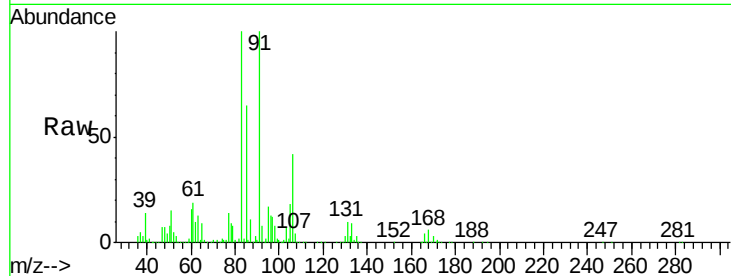
#63
 1,1,2,2-Tetrachloroethane
 Concen: 11.743 ppbv
 RT: 13.71 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion: 83 Resp: 2566047
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.6 13.8
 85 65.1 32.5 97.5

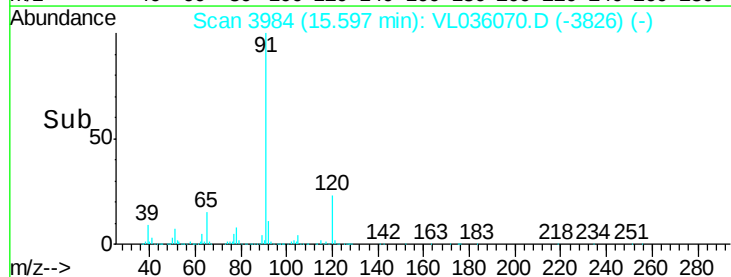
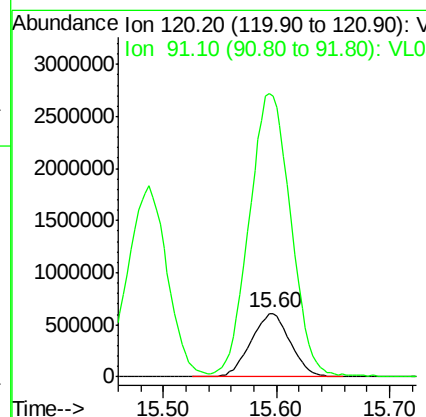
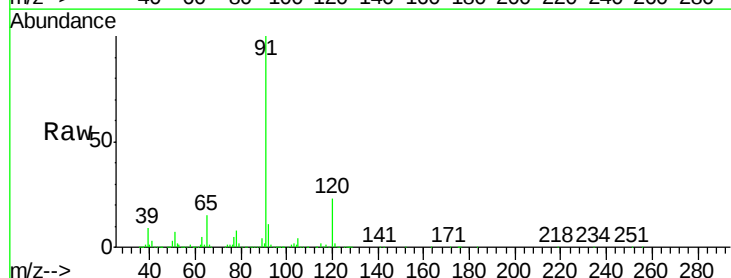
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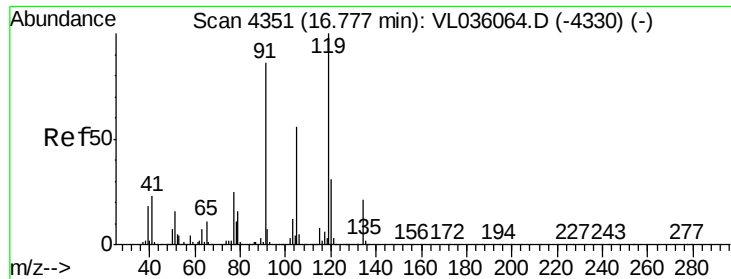
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#64
 n-propylbenzene
 Concen: 14.389 ppbv
 RT: 15.60 min Scan# 3984
 Delta R.T. 0.01 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Tgt Ion:120 Resp: 1465853
 Ion Ratio Lower Upper
 120 100
 91 474.3 388.9 583.3





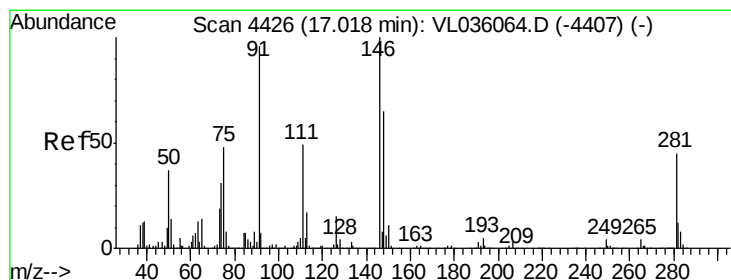
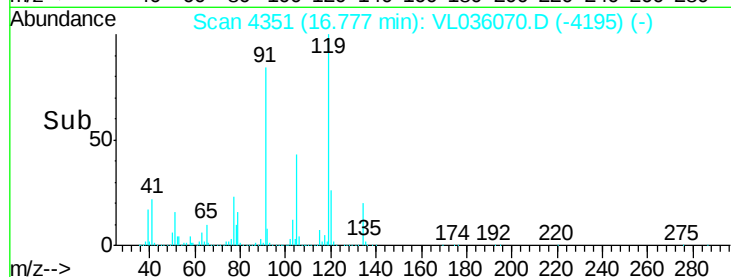
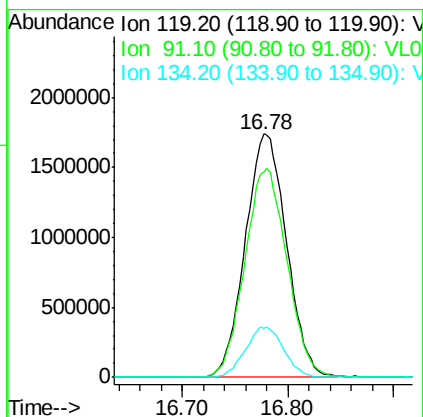
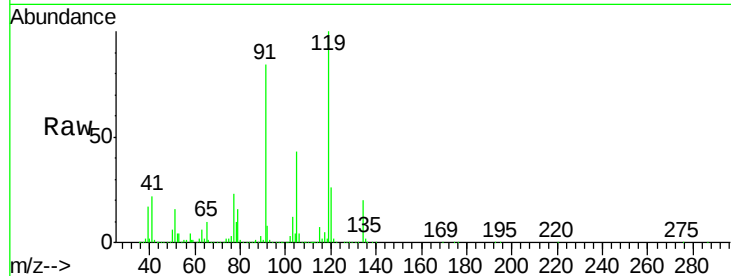
#65
tert-Butylbenzene
Concen: 14.583 ppbv
RT: 16.78 min Scan# 4351
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion:119 Resp: 4730990
Ion Ratio Lower Upper
119 100
91 88.0 70.2 105.2
134 19.3 15.8 23.6

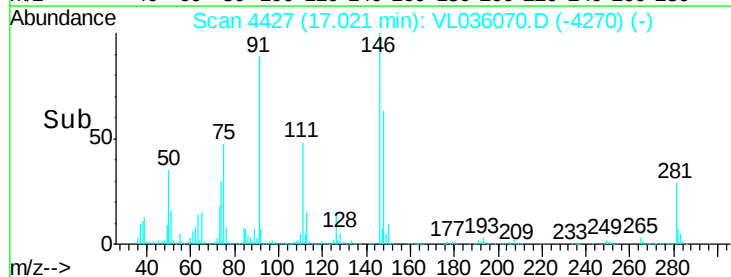
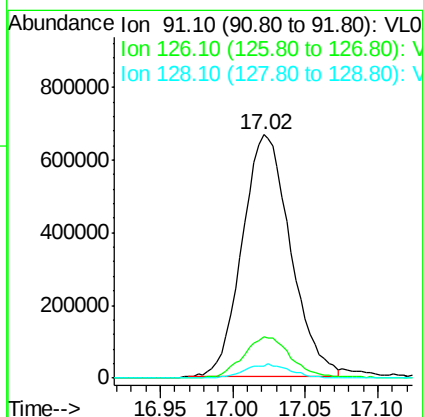
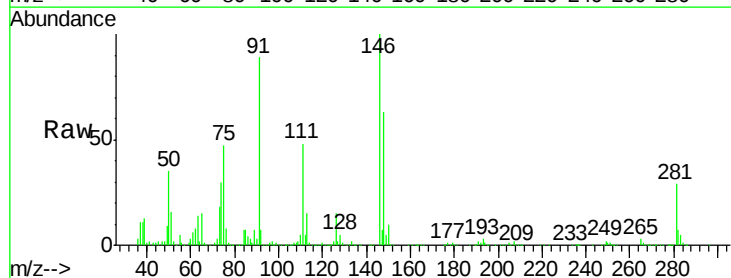
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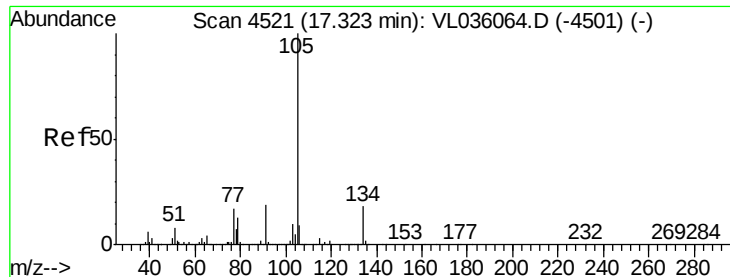
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#66
Benzyl Chloride
Concen: 19.828 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 91 Resp: 1549299
Ion Ratio Lower Upper
91 100
126 17.4 13.5 20.3
128 5.4 4.4 6.6





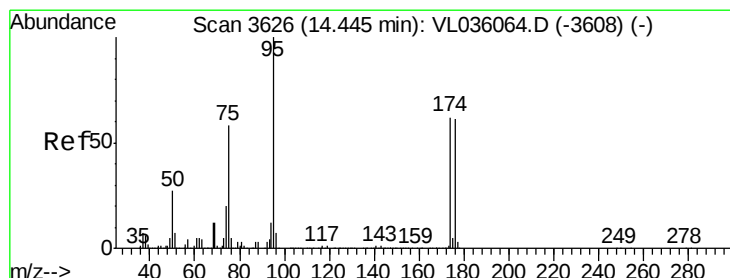
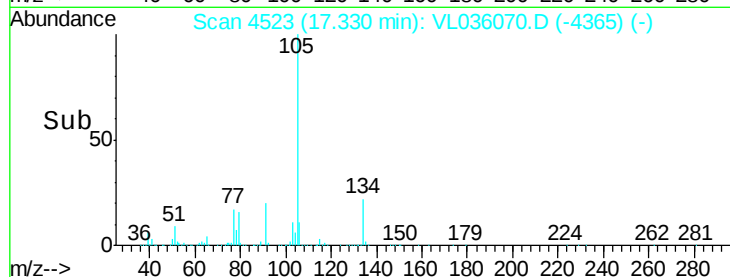
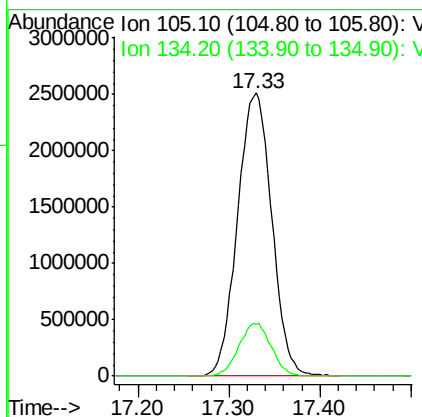
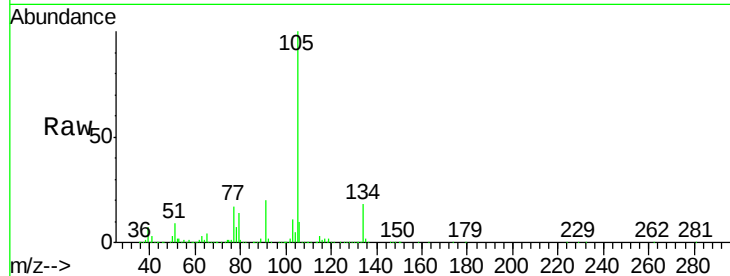
#67
 sec-Butylbenzene
 Concen: 14.821 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. 0.01 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp: 6567282
 Ion Ratio Lower Upper
 105 100
 134 17.8 14.2 21.4

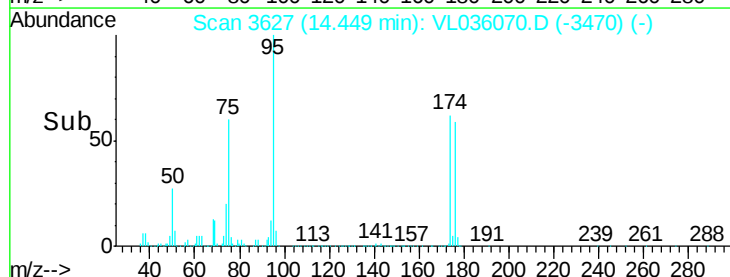
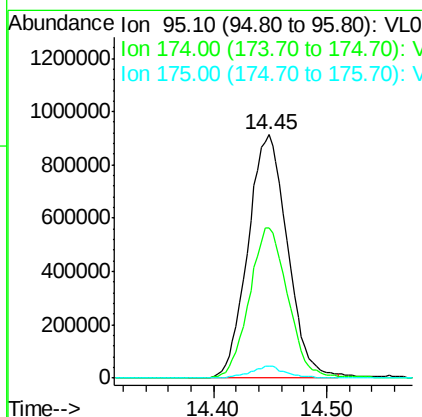
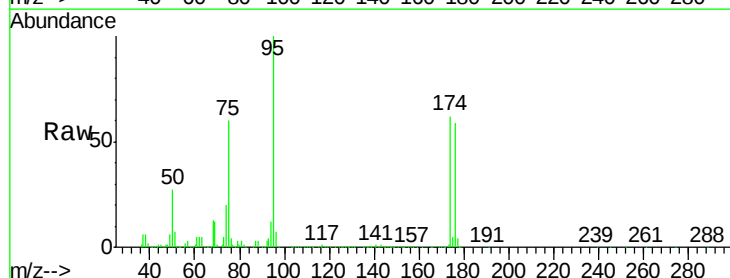
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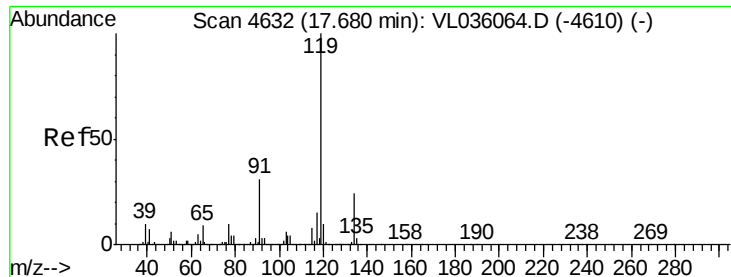
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.115 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Tgt Ion: 95 Resp: 2214030
 Ion Ratio Lower Upper
 95 100
 174 61.1 50.7 76.1
 175 4.5 4.0 6.0





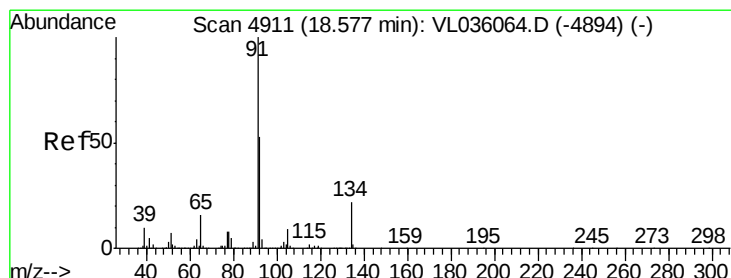
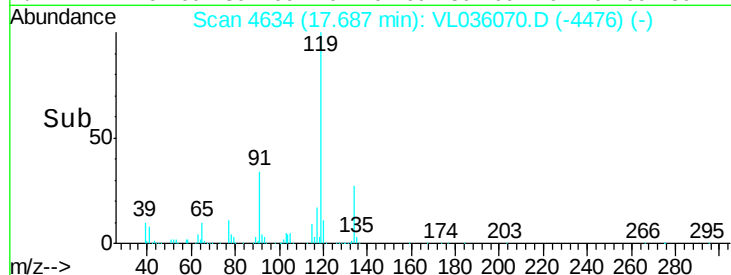
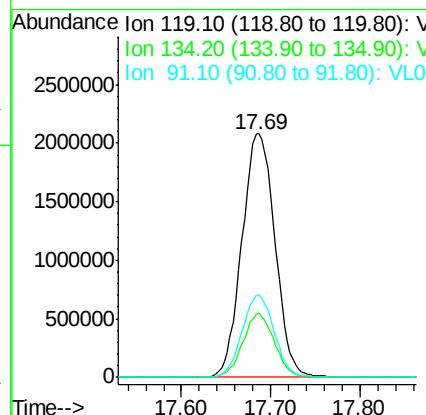
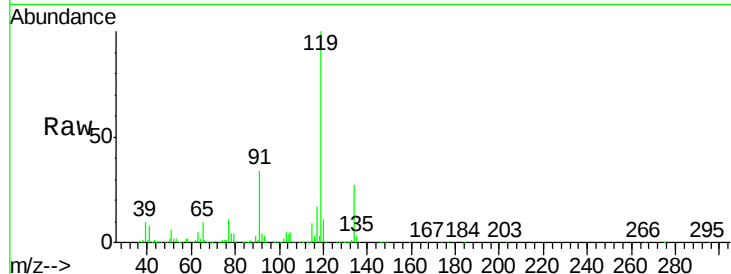
#69
 p-Isopropyltoluene
 Concen: 16.008 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. 0.01 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.9	19.8	29.6
91	32.8	25.8	38.6

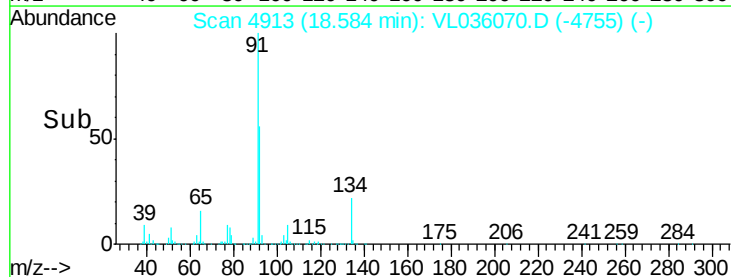
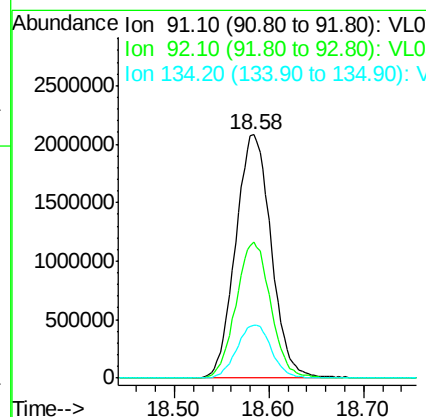
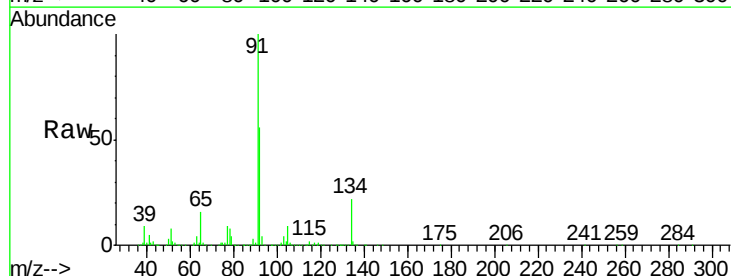
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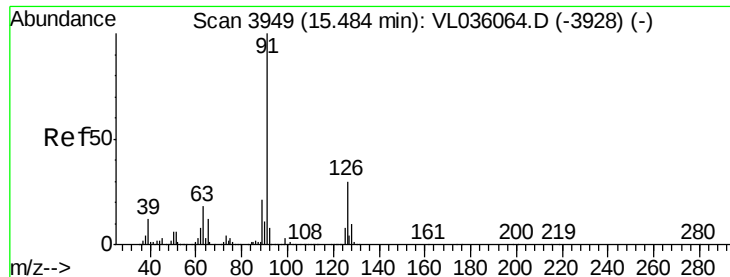
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#70
 n-Butylbenzene
 Concen: 16.412 ppbv
 RT: 18.58 min Scan# 4913
 Delta R.T. 0.01 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.3	64.9
134	21.4	17.1	25.7





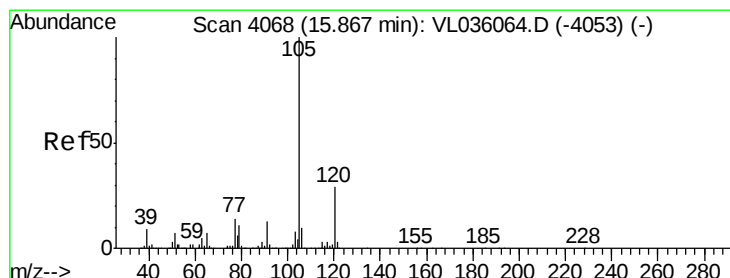
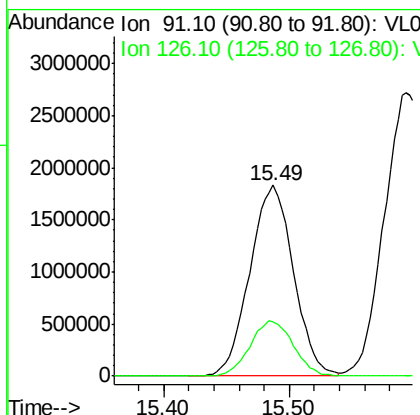
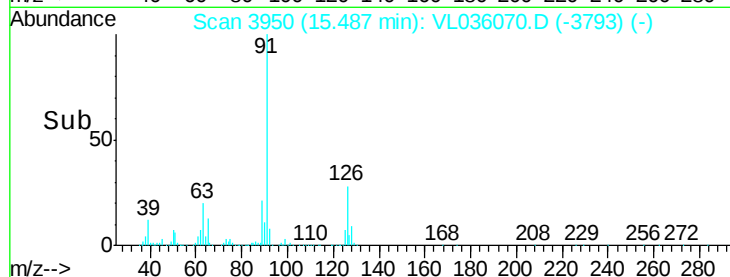
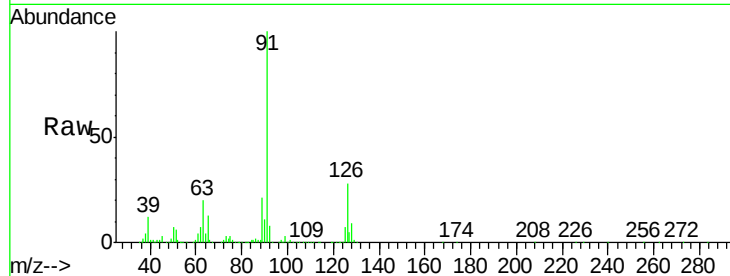
#71
2-Chlorotoluene
Concen: 16.687 ppbv
RT: 15.49 min Scan# 3950
Delta R.T. 0.00 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 91 Resp: 4442182
Ion Ratio Lower Upper
91 100
126 28.9 11.6 46.4

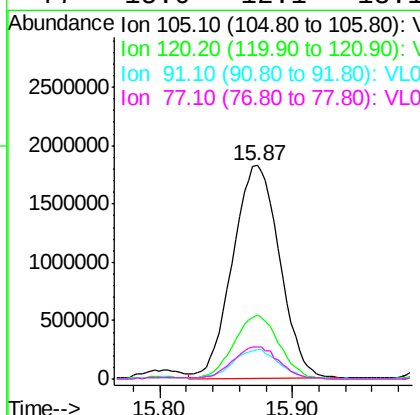
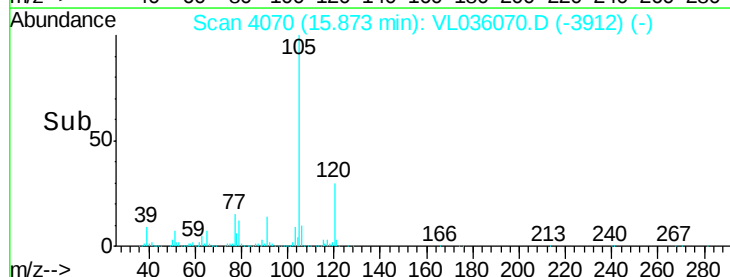
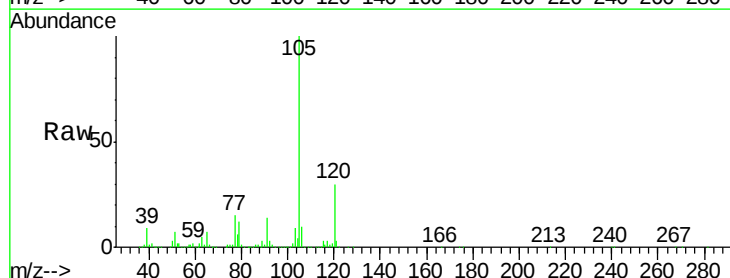
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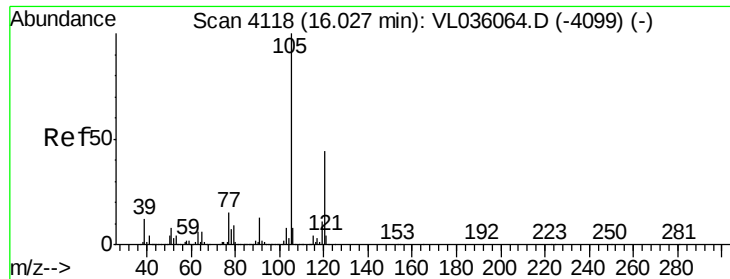
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#72
4-Ethyltoluene
Concen: 16.714 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. 0.01 min
Lab File: VL036070.D
Acq: 7 Dec 2020 16:17

Tgt Ion: 105 Resp: 4486117
Ion Ratio Lower Upper
105 100
120 29.2 23.6 35.4
91 14.0 11.4 17.0
77 15.0 12.1 18.1





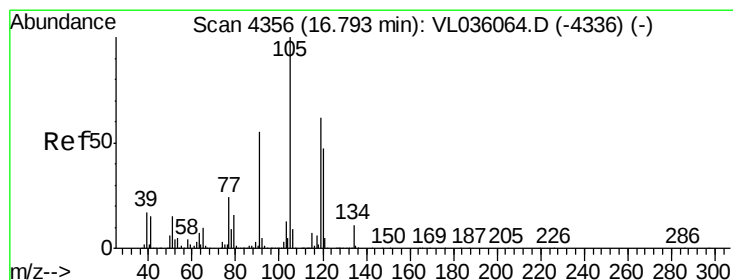
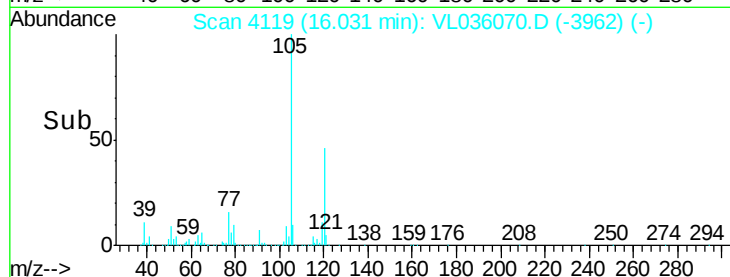
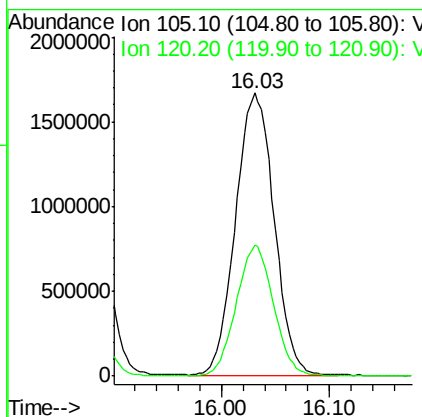
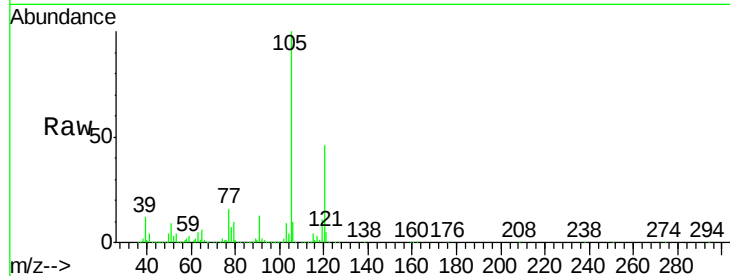
#73
 1,3,5-Trimethylbenzene
 Concen: 16.413 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:105 Resp: 4127926
 Ion Ratio Lower Upper
 105 100
 120 46.4 35.4 53.2

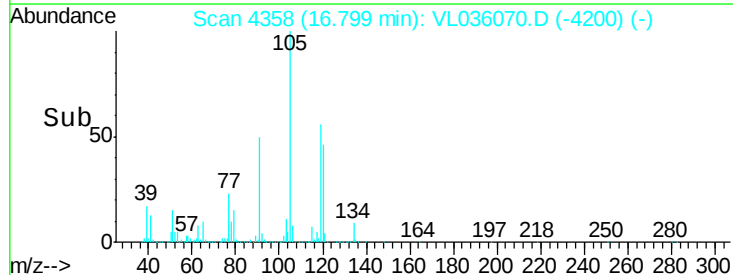
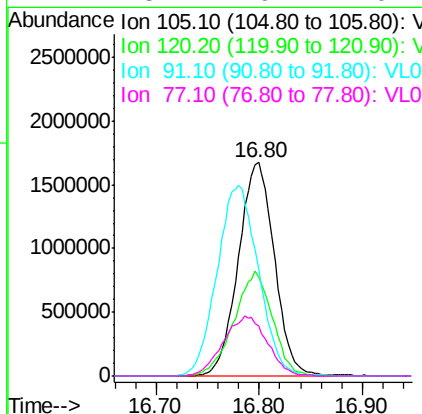
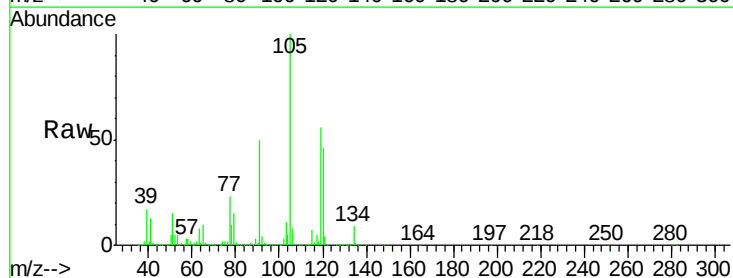
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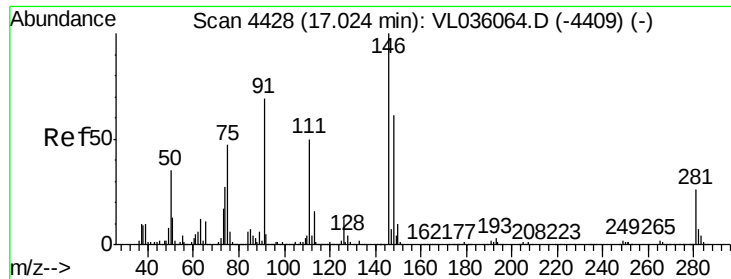
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#74
 1,2,4-Trimethylbenzene
 Concen: 14.512 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. 0.01 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Tgt Ion:105 Resp: 4071969
 Ion Ratio Lower Upper
 105 100
 120 45.9 37.4 56.0
 91 49.7 45.6 68.4
 77 23.1 19.4 29.2





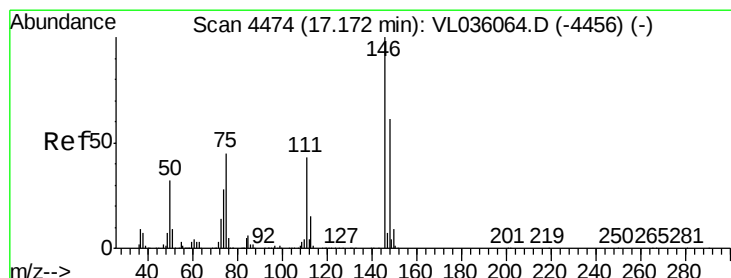
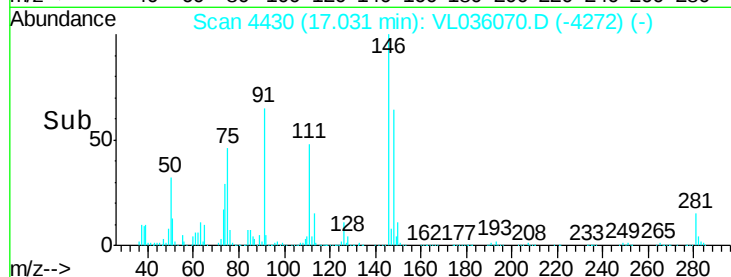
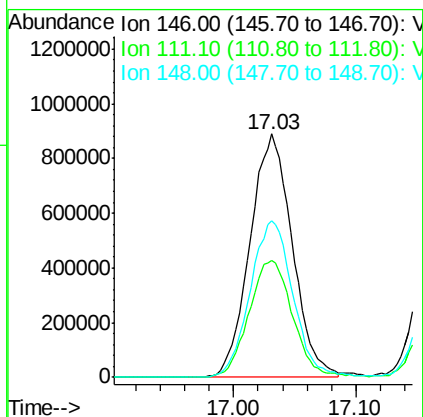
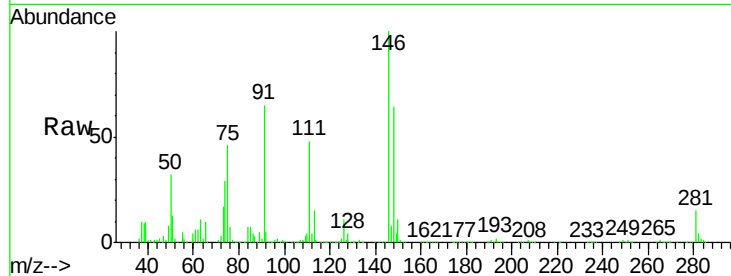
#75
 1,3-Dichlorobenzene
 Concen: 12.589 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. 0.01 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:146 Resp: 2135458
 Ion Ratio Lower Upper
 146 100
 111 49.7 25.1 75.3
 148 65.0 32.9 98.6

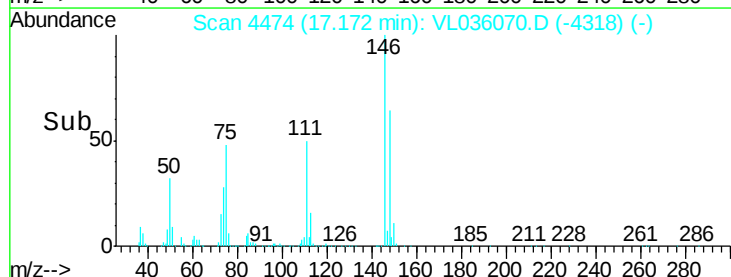
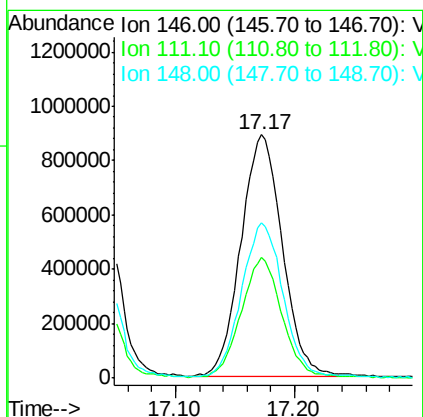
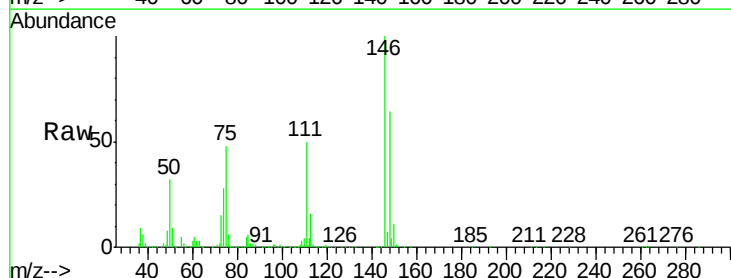
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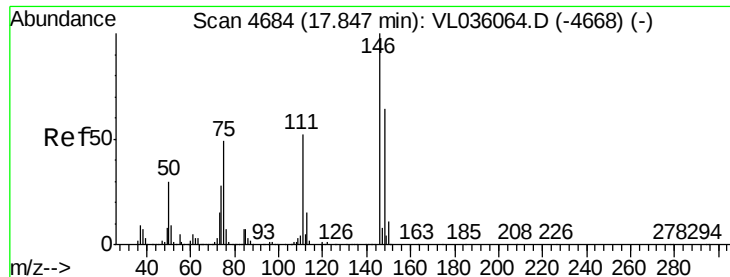
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#76
 1,4-Dichlorobenzene
 Concen: 13.311 ppbv
 RT: 17.17 min Scan# 4474
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Tgt Ion:146 Resp: 2134113
 Ion Ratio Lower Upper
 146 100
 111 50.7 24.3 72.8
 148 64.7 32.8 98.3





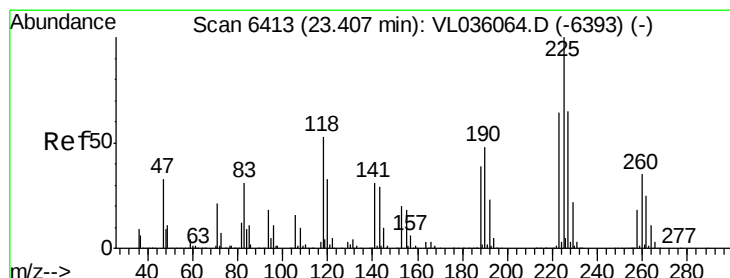
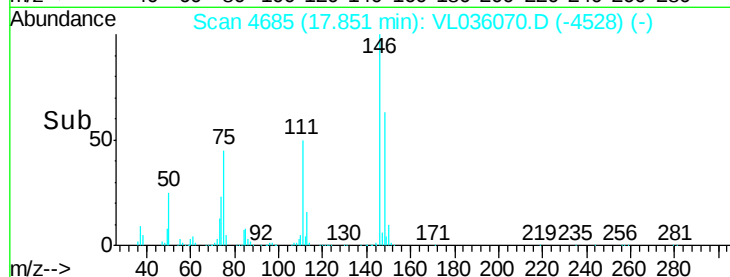
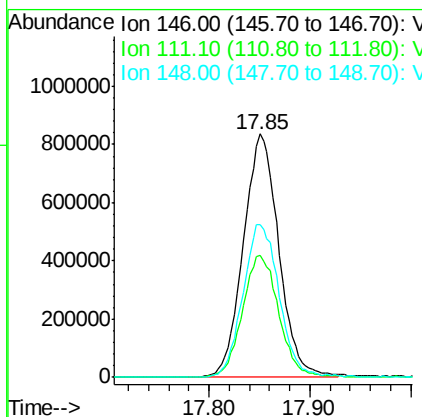
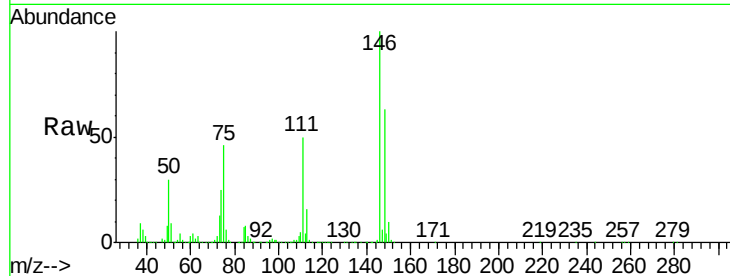
#77
 1,2-Dichlorobenzene
 Concen: 13.023 ppbv
 RT: 17.85 min Scan# 4685
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:146 Resp: 2026276
 Ion Ratio Lower Upper
 146 100
 111 51.2 26.1 78.2
 148 64.6 33.1 99.5

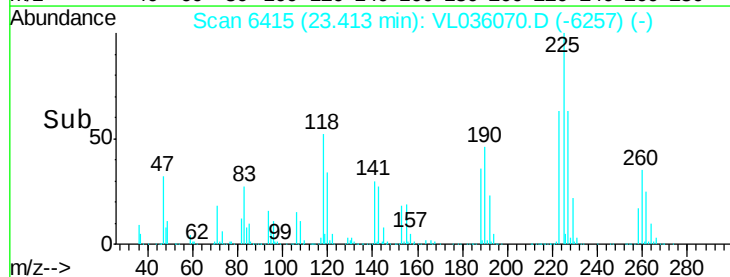
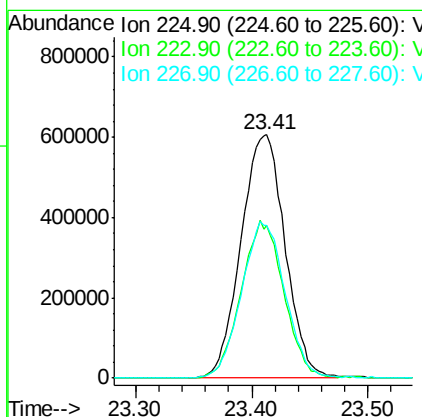
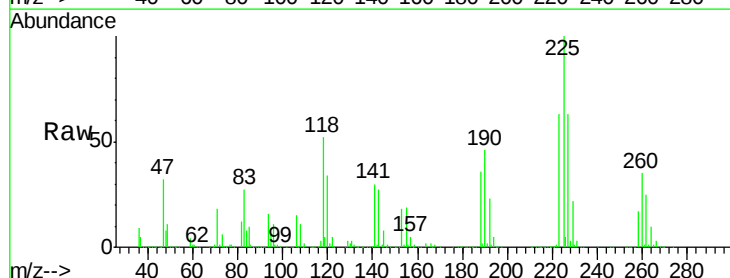
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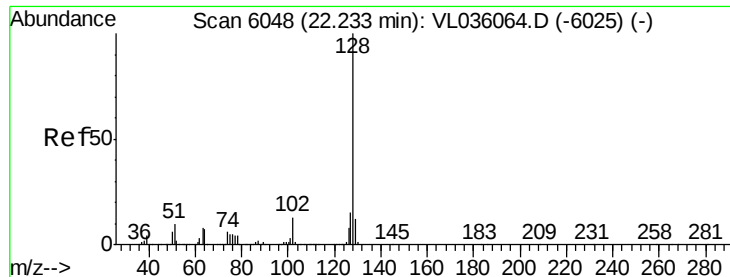
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#78
 Hexachloro-1,3-Butadiene
 Concen: 18.734 ppbv
 RT: 23.41 min Scan# 6415
 Delta R.T. 0.01 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Tgt Ion:225 Resp: 1602445
 Ion Ratio Lower Upper
 225 100
 223 62.9 51.1 76.7
 227 63.7 51.7 77.5





#79

Naphthalene

Concen: 20.954 ppbv

RT: 22.24 min Scan# 6049

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:128 Resp: 2742284

Ion Ratio Lower Upper

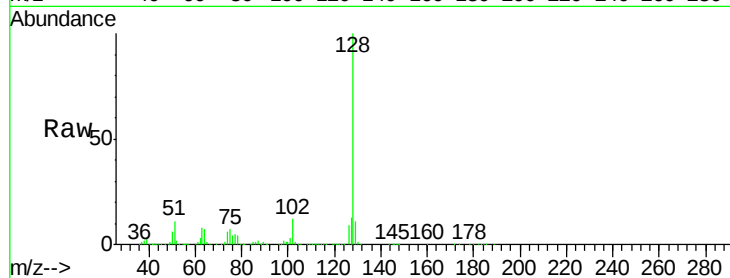
128 100

127 13.3 11.7 17.5

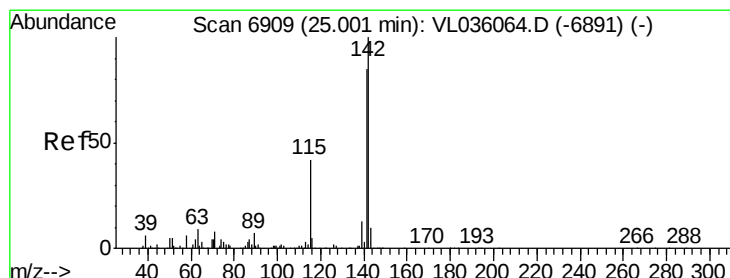
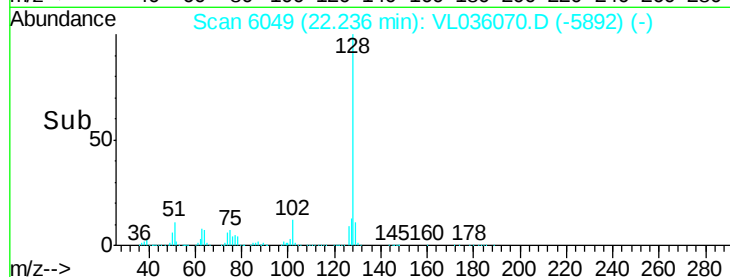
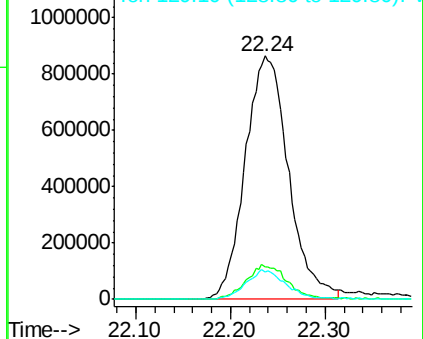
129 11.5 9.3 13.9

Manual Integrations
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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 42.986 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. 0.00 min

Lab File: VL036070.D

Acq: 7 Dec 2020 16:17

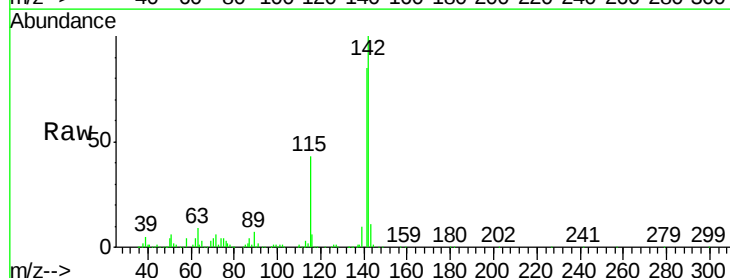
Tgt Ion:142 Resp: 1139841

Ion Ratio Lower Upper

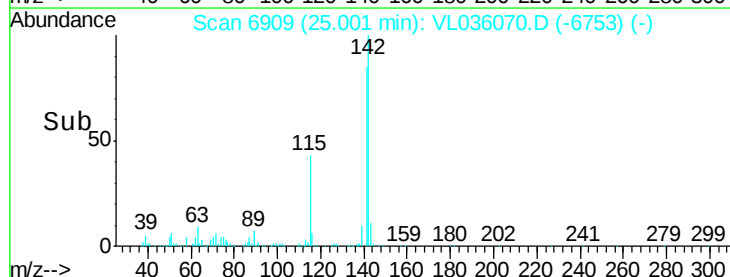
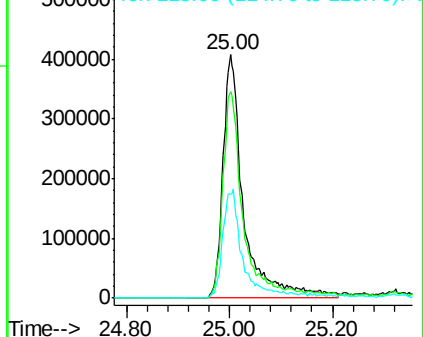
142 100

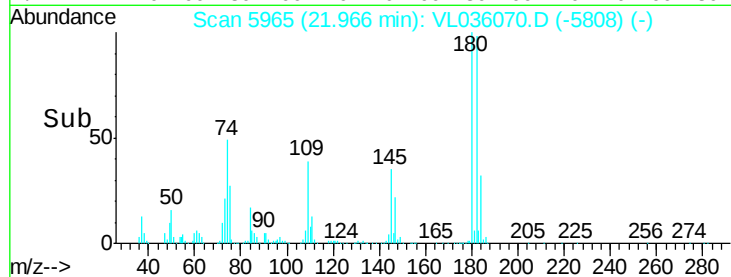
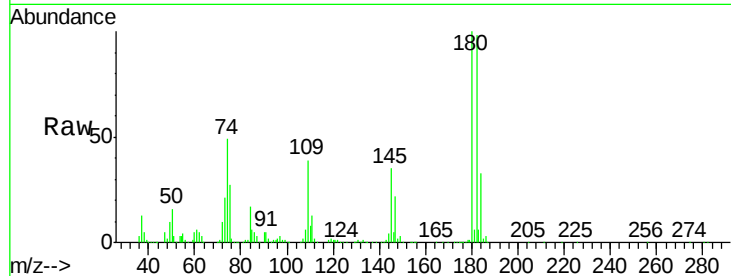
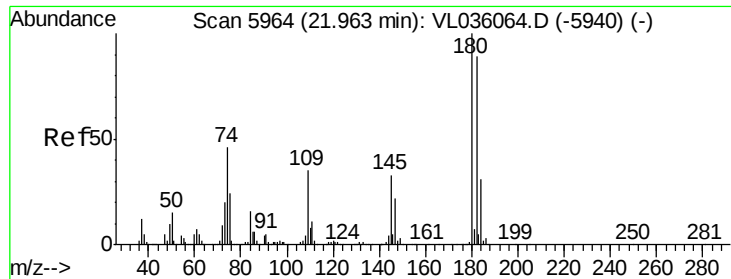
141 84.0 64.3 96.5

115 43.1 33.9 50.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 18.068 ppbv
 RT: 21.97 min Scan# 5965
 Delta R.T. 0.00 min
 Lab File: VL036070.D
 Acq: 7 Dec 2020 16:17

Tot Ion:	180	Resp:	1624461
Ion Ratio	Lower	Upper	
180	100		
182	99.1	0.0	0.0#
184	31.7	0.0	0.0#

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Manual Integrations
 APPROVED

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 12/10/2020 9:53:24 AM

