

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036025.D
 Acq On : 25 Nov 2020 11:09
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 11/27/2020 1:17:23 PM

Quant Time: Nov 26 01:53:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1273253	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4928784	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4891517m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3638838	10.47	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1863687	7.775 ppbv	99
3) Chlorodifluoromethane	2.97	51	1373736	9.010 ppbv	99
4) Chloromethane	3.12	50	698435	9.429 ppbv	99
5) Vinyl Chloride	3.23	62	883714	9.359 ppbv	98
6) Bromomethane	3.45	94	726280	9.564 ppbv	99
7) Chloroethane	3.54	64	328795	9.894 ppbv	96
8) Dichlorotetrafluoroethane	3.17	85	2487383	9.067 ppbv	96
9) Propene	2.99	41	509758	9.134 ppbv	98
10) Heptane	8.10	43	1508586	9.787 ppbv	99
11) Trichlorofluoromethane	3.93	101	2742261	9.110 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2084786	9.303 ppbv	94
13) Ethanol	3.58	45	101465	8.381 ppbv	96
14) Bromoethene	3.72	108	945153	9.164 ppbv	99
15) Acetone	3.83	43	1191458	8.753 ppbv	97
16) 1,3-Butadiene	3.30	39	543950	9.281 ppbv	98
17) tert-Butyl alcohol	4.27	59	1586871	8.796 ppbv	99
18) 1,1-Dichloroethene	4.27	96	978357	9.508 ppbv	94
19) Isopropyl Alcohol	3.95	45	740050	8.847 ppbv	99
20) Methylene Chloride	4.32	84	802172	8.371 ppbv	98
21) Allyl Chloride	4.39	41	729606	9.911 ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	991940	9.509 ppbv	98
23) Vinyl Acetate	5.05	43	1712072	8.973 ppbv	99
24) 1,1-Dichloroethane	4.99	63	1680808	9.246 ppbv	100
25) Ethyl Acetate	5.66	43	2542930	9.483 ppbv	99
26) Hexane	5.67	57	1367904	9.249 ppbv	99
27) Carbon Disulfide	4.53	76	2153349	9.717 ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	2320757	8.738 ppbv	100
29) Chloroform	5.74	83	2652359	9.125 ppbv	97
30) Cyclohexane	7.11	84	1434936	8.909 ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1389943	9.136 ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2544489	8.389 ppbv	99
34) 2-Butanone	5.22	43	1612762	10.082 ppbv	100
35) Carbon Tetrachloride	7.00	117	2495519	9.476 ppbv	99
36) Benzene	6.87	78	3398059	9.274 ppbv	99
37) 1,2-Dichloroethane	6.29	62	1649233	9.935 ppbv	100
38) Trichloroethene	7.82	130	1544018	8.627 ppbv	95
39) 1,2-Dichloropropane	7.60	63	1171039	9.493 ppbv	99
40) 1,4-Dioxane	7.81	88	516840	8.840 ppbv	# 1
41) Tetrahydrofuran	6.03	42	940898	10.353 ppbv	99
42) Bromodichloromethane	7.77	83	2732490	9.755 ppbv	100
43) Methyl Methacrylate	7.99	69	1418387	10.148 ppbv	100

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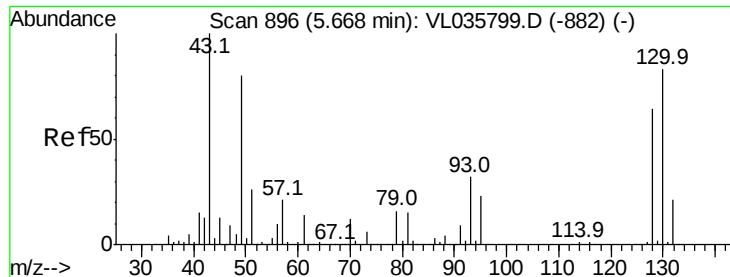
Manual Integrations
 APPROVED

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 11/27/2020 1:17:23 PM

Quant Time: Nov 26 01:53:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4620933	9.530	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1518287	10.247	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1870281	9.967	ppbv	100
47) 1,1,2-Trichloroethane	9.46	97	1603903	9.542	ppbv	98
48) Dibromochloromethane	10.29	129	2541064	9.895	ppbv	99
49) Bromoform	13.02	173	2125874	9.810	ppbv	100
50) 4-Methyl-2-Pentanone	8.72	43	2533284	10.357	ppbv	99
51) 2-Hexanone	10.11	43	2080834	10.590	ppbv	100
52) Tetrachloroethene	11.20	164	1439118	8.290	ppbv	98
53) Toluene	9.79	91	4167290	9.425	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2426630	9.492	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1969586	8.971	ppbv	100
57) Chlorobenzene	12.13	112	3360225	8.640	ppbv	99
58) Ethyl Benzene	12.69	91	5374189	9.021	ppbv	99
59) m/p-Xylene	12.98	91	8959875m	17.776	ppbv	
60) o-Xylene	13.68	91	4470815	9.118	ppbv	100
61) Styrene	13.51	104	3405280	9.479	ppbv	99
62) Isopropylbenzene	14.65	105	6679376	8.667	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	3272957	8.615	ppbv	99
64) n-propylbenzene	15.55	120	2007009	9.010	ppbv	99
65) tert-Butylbenzene	16.73	119	6019480	8.581	ppbv	99
66) Benzyl Chloride	16.98	91	2289143	9.873	ppbv	99
67) sec-Butylbenzene	17.28	105	8152447	8.624	ppbv	99
69) p-Isopropyltoluene	17.64	119	6772133	8.681	ppbv	100
70) n-Butylbenzene	18.54	91	6797847	9.049	ppbv	99
71) 2-Chlorotoluene	15.44	91	5117629	9.079	ppbv	99
72) 4-Ethyltoluene	15.82	105	5370935	9.032	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4982248	9.155	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	5167140	8.861	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	3220225	8.673	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3190043	8.906	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3112098	8.598	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1465818	8.680	ppbv	100
79) Naphthalene	22.18	128	4024332	9.900	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	924531	13.956	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1970773	8.677	ppbv	97

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1273253

Ion Ratio Lower Upper

49 100

128 81.5 41.5 124.6

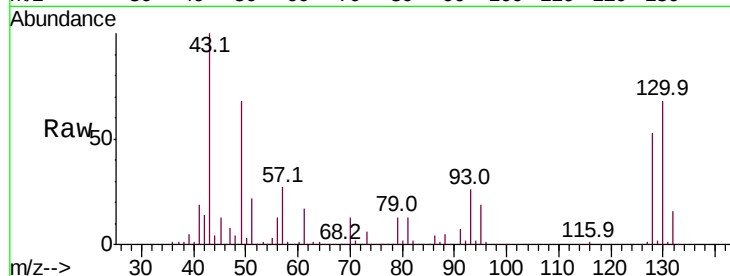
130 104.1 53.7 161.1

Manual Integrations

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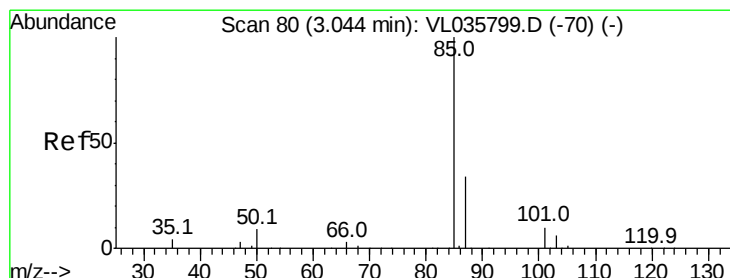
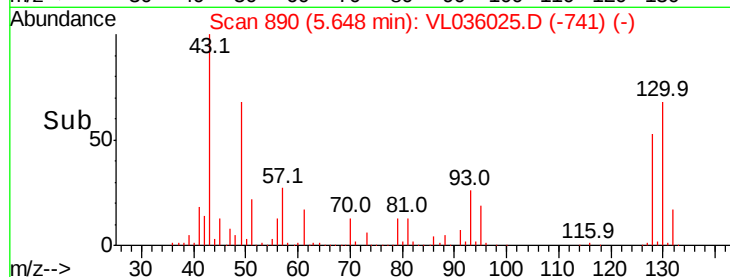
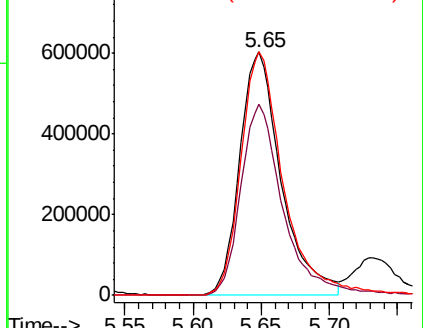
11/27/2020 1:17:23 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.775 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL036025.D

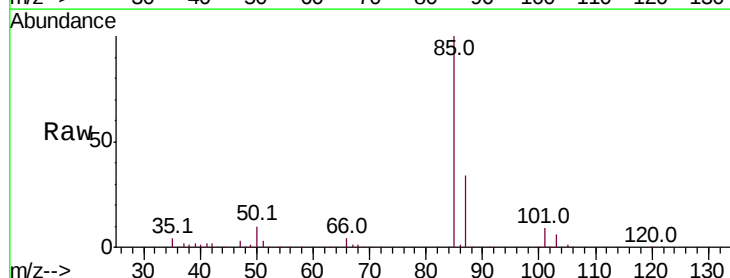
Acq: 25 Nov 2020 11:09

Tgt Ion: 85 Resp: 1863687

Ion Ratio Lower Upper

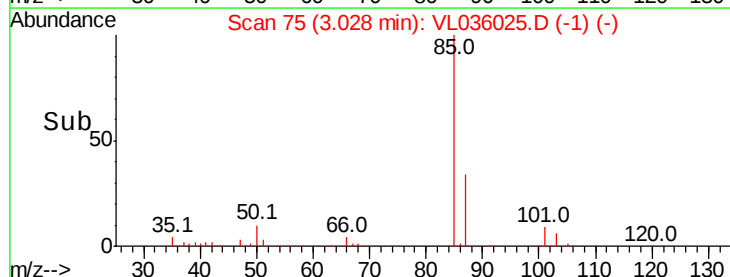
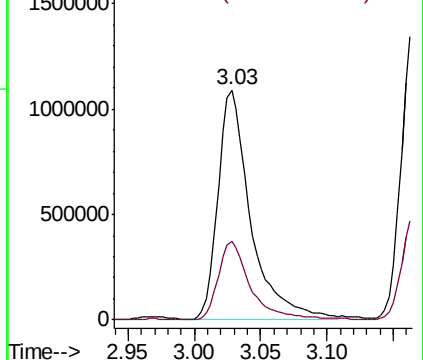
85 100

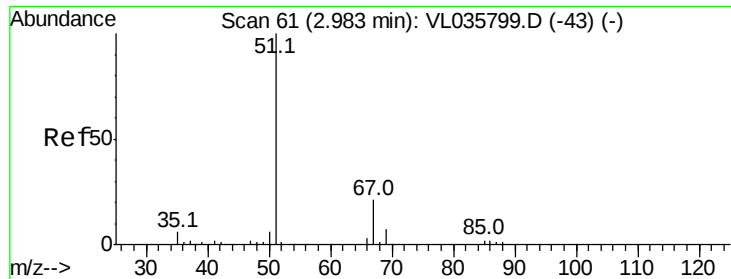
87 34.3 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.010 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1373736

Ion Ratio Lower Upper

51 100

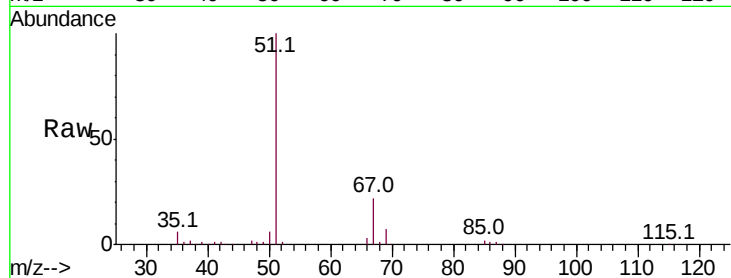
67 21.5 17.0 25.4

Manual Integrations

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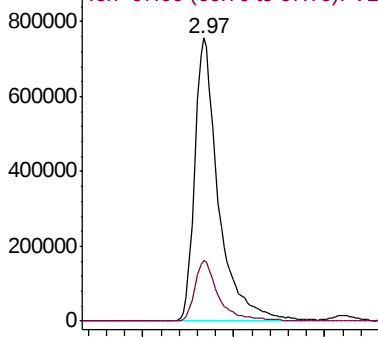
MMDadoda

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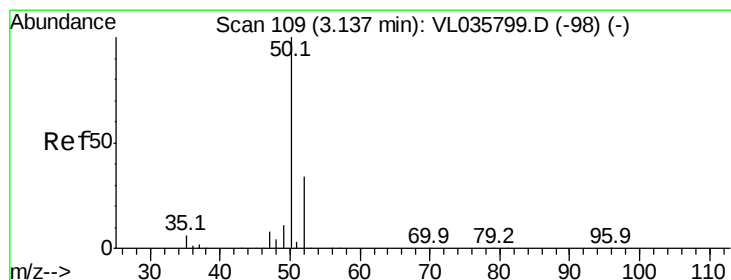
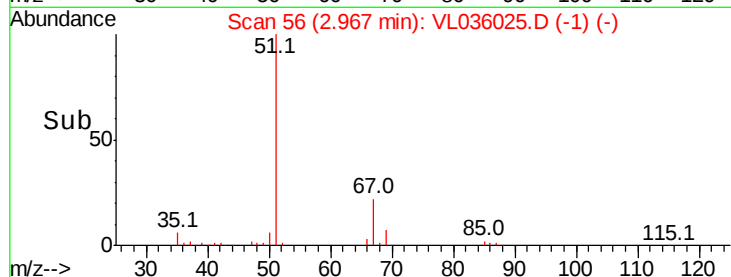


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#4

Chloromethane

Concen: 9.429 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL036025.D

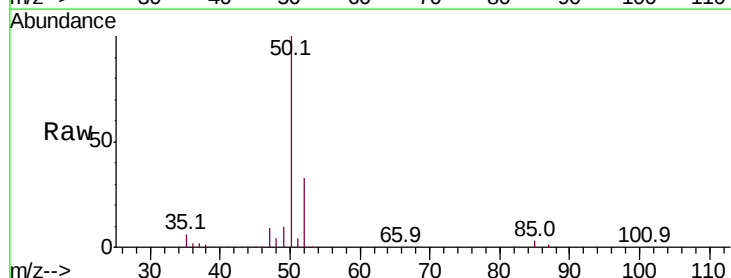
Acq: 25 Nov 2020 11:09

Tgt Ion: 50 Resp: 698435

Ion Ratio Lower Upper

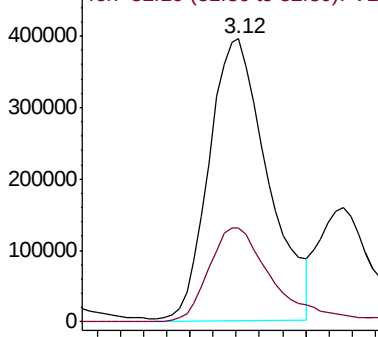
50 100

52 33.6 27.1 40.7

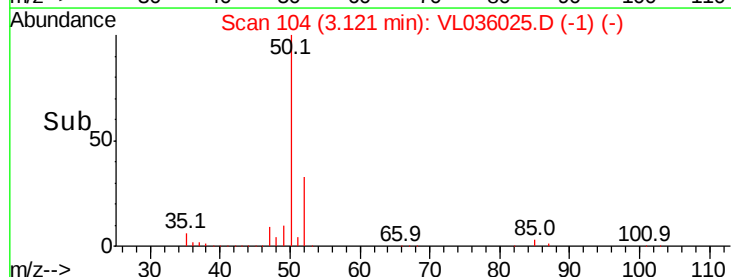


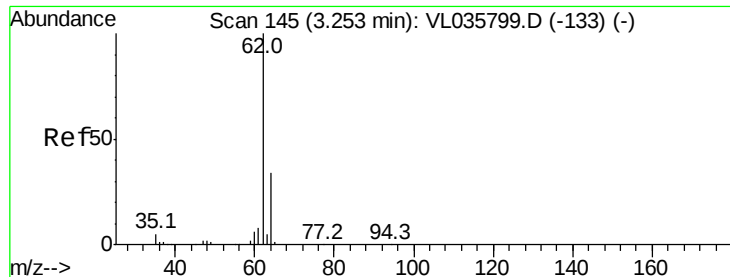
Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



Time-->





#5

Vinyl Chloride

Concen: 9.359 ppbv

RT: 3.23 min Scan# 139

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 62 Resp: 883714

Ion Ratio Lower Upper

62 100

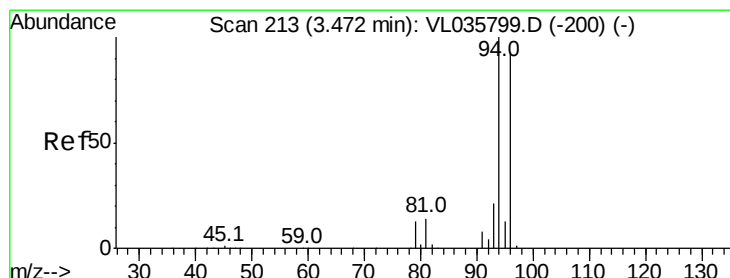
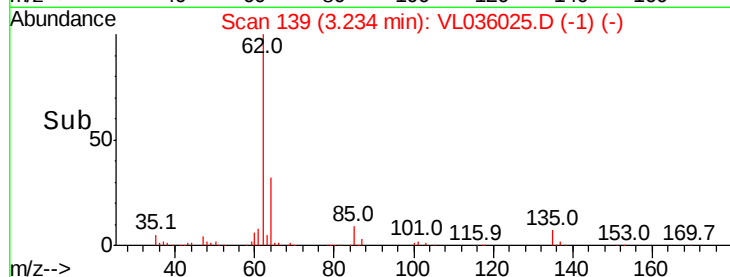
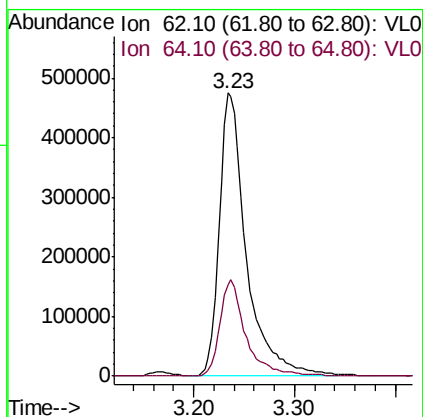
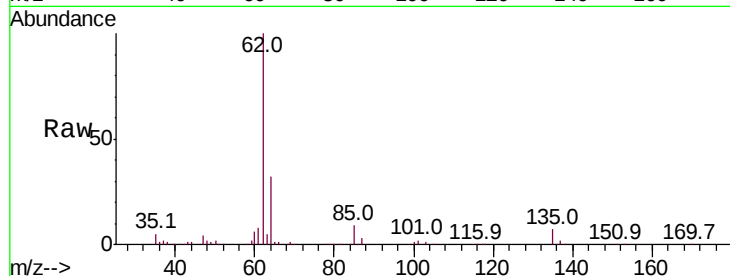
64 32.3 26.9 40.3

Manual Integrations

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#6

Bromomethane

Concen: 9.564 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.02 min

Lab File: VL036025.D

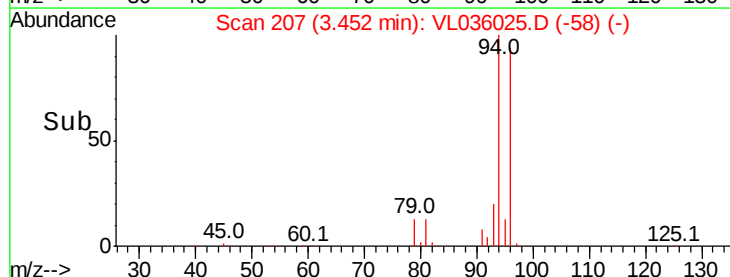
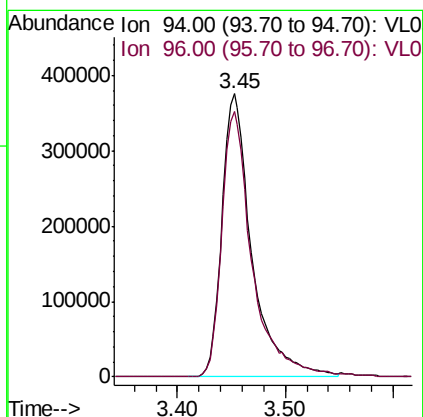
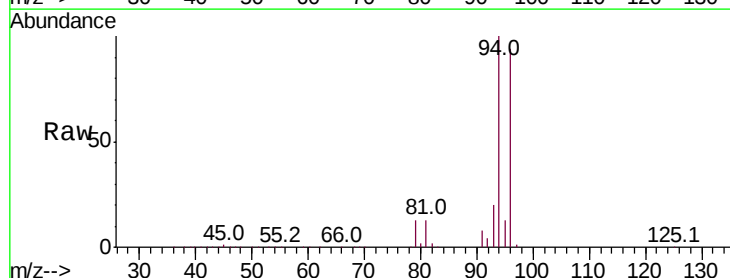
Acq: 25 Nov 2020 11:09

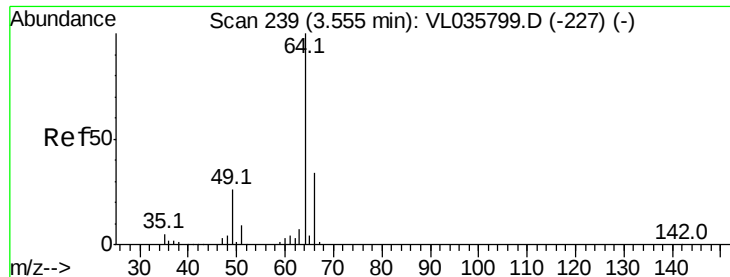
Tgt Ion: 94 Resp: 726280

Ion Ratio Lower Upper

94 100

96 94.0 74.6 111.8





#7

Chloroethane

Concen: 9.894 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 328795

Ion Ratio Lower Upper

64 100

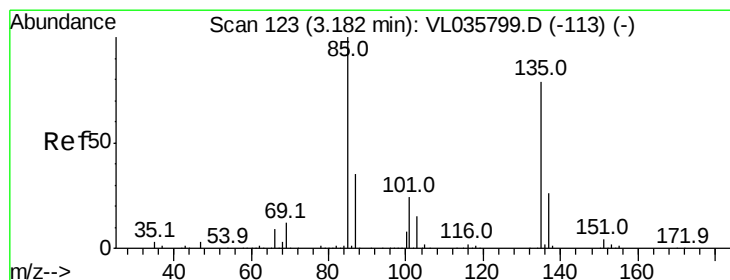
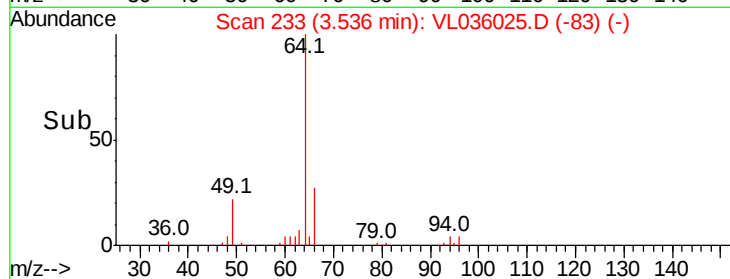
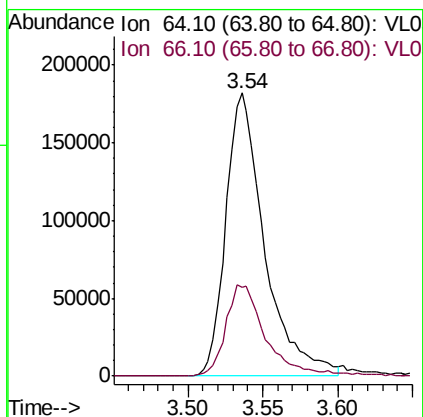
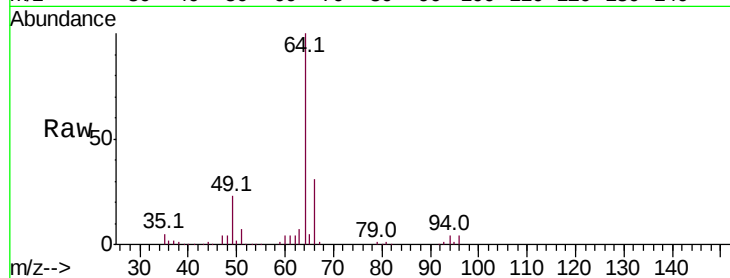
66 31.4 27.0 40.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.067 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL036025.D

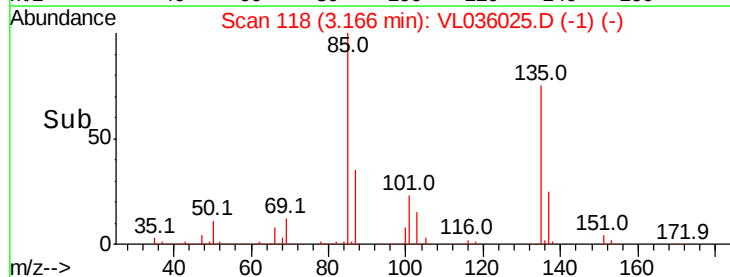
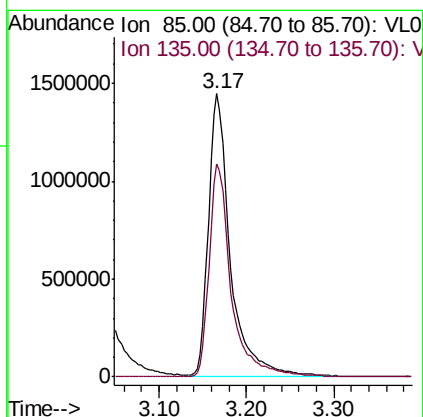
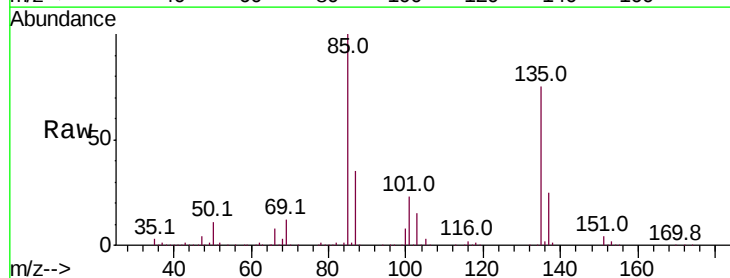
Acq: 25 Nov 2020 11:09

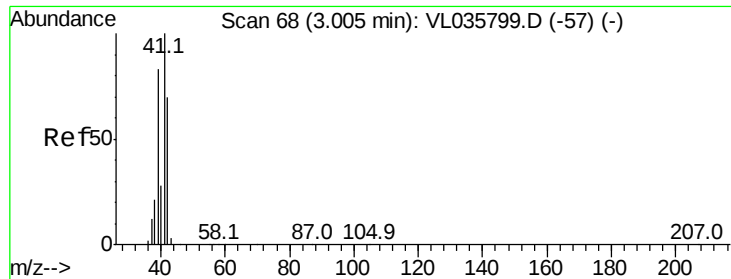
Tgt Ion: 85 Resp: 2487383

Ion Ratio Lower Upper

85 100

135 76.9 64.6 96.8





#9

Propene

Concen: 9.134 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 509758

Ion Ratio Lower Upper

41 100

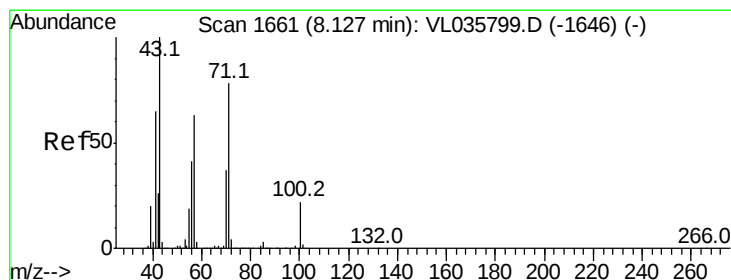
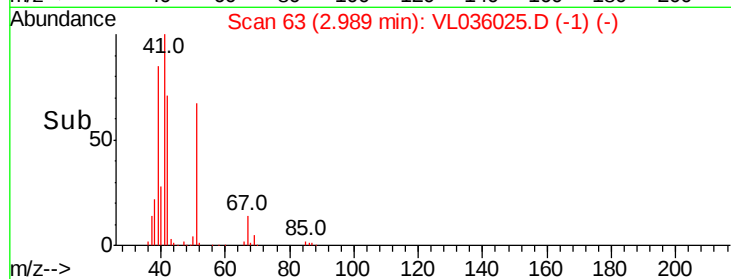
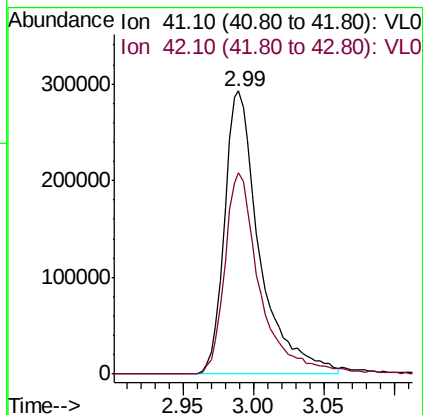
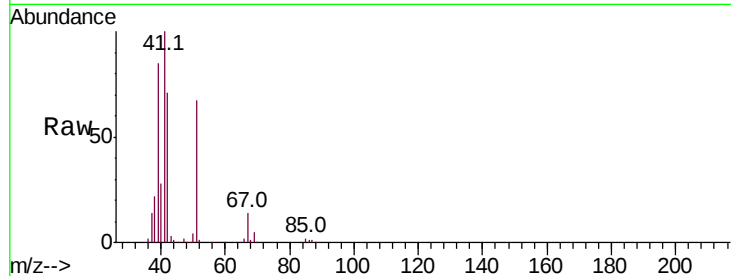
42 72.1 56.2 84.4

Manual Integrations

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#10

Heptane

Concen: 9.787 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL036025.D

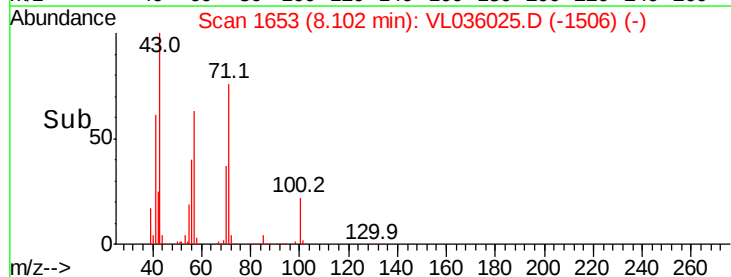
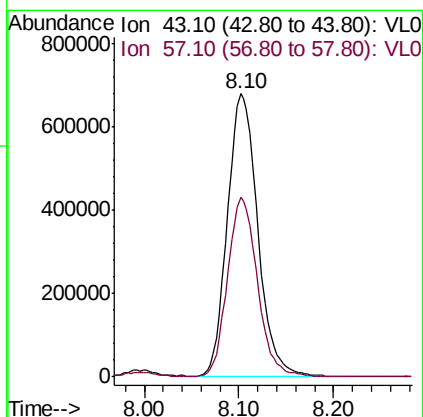
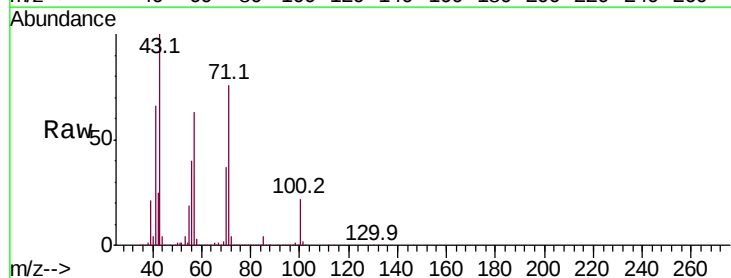
Acq: 25 Nov 2020 11:09

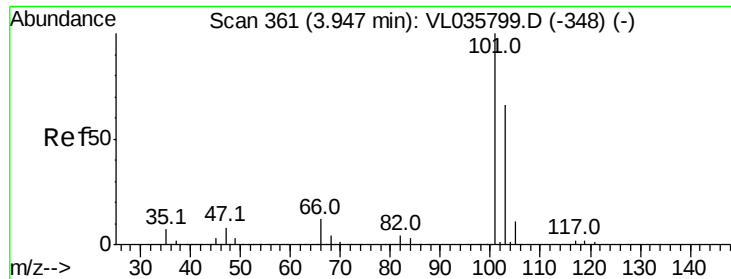
Tgt Ion: 43 Resp: 1508586

Ion Ratio Lower Upper

43 100

57 63.2 50.0 75.0





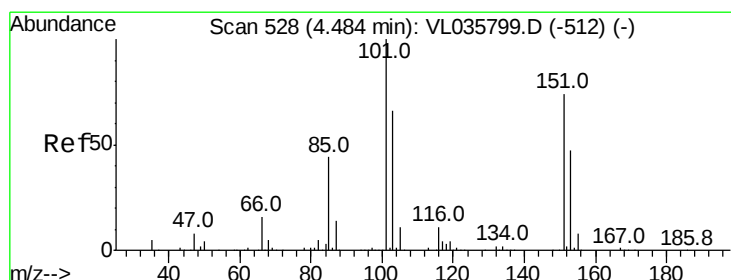
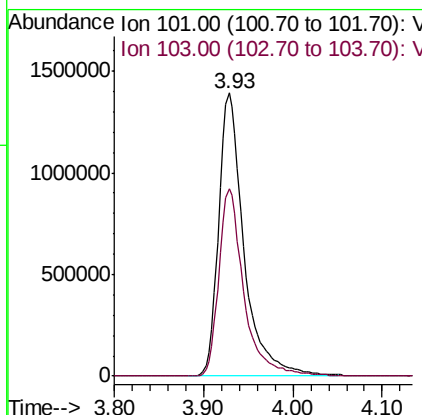
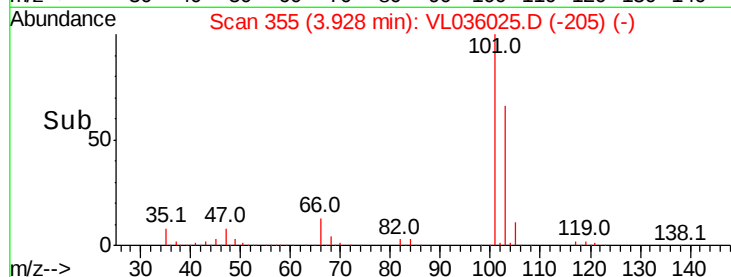
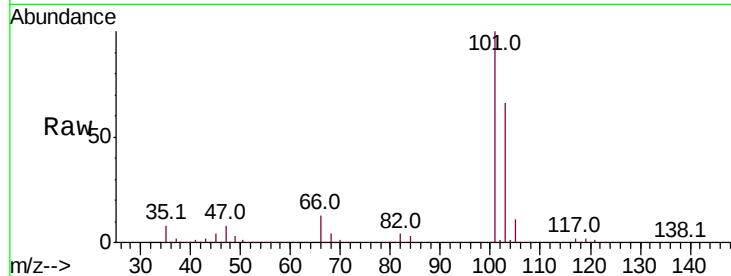
#11
 Trichlorofluoromethane
 Concen: 9.110 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2742261
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.4

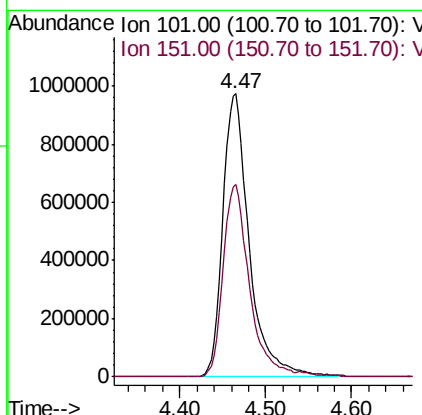
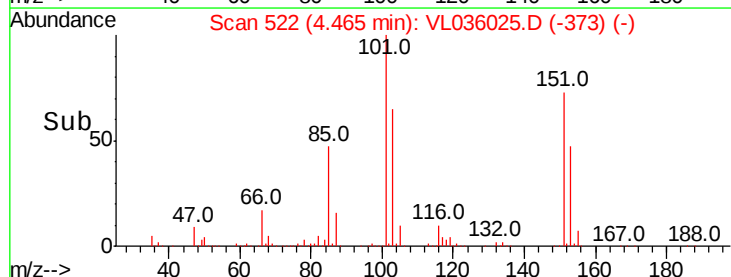
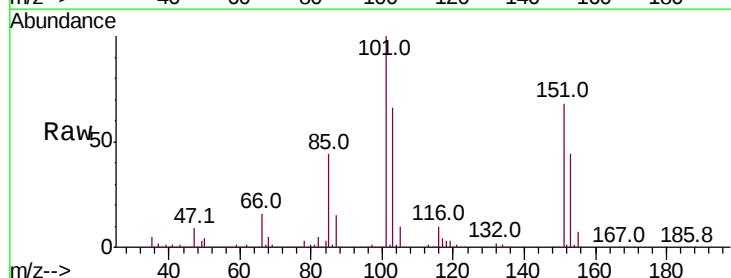
Manual Integrations
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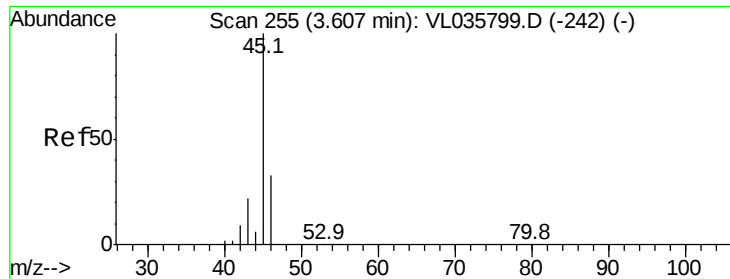
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.303 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion:101 Resp: 2084786
 Ion Ratio Lower Upper
 101 100
 151 68.7 58.9 88.3





#13

Ethanol

Concen: 8.381 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 101465

Ion Ratio Lower Upper

45 100

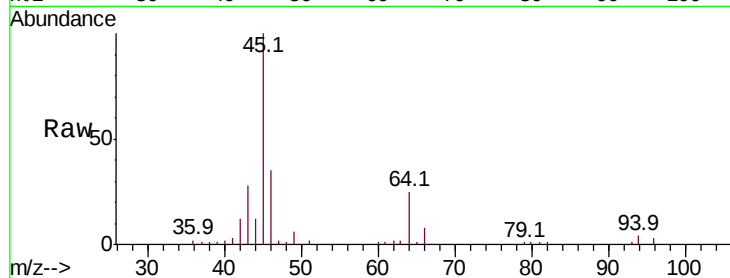
46 37.9 16.1 64.5

Manual Integrations

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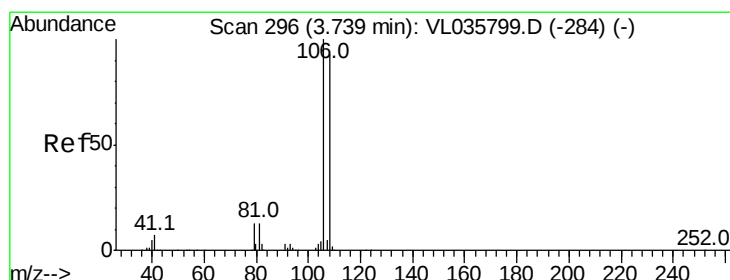
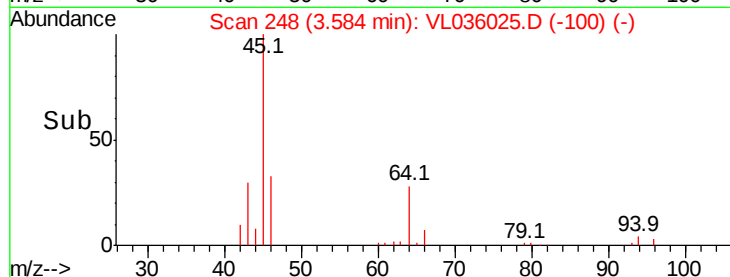
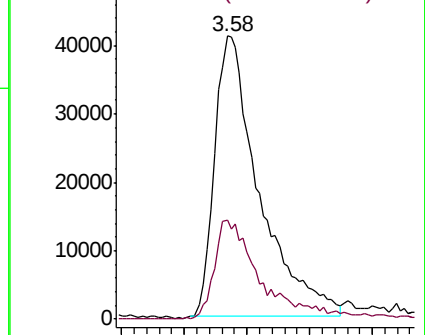
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.164 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

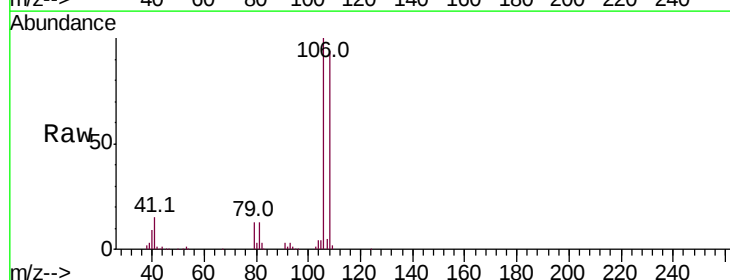
Tgt Ion: 108 Resp: 945153

Ion Ratio Lower Upper

108 100

106 105.9 85.3 127.9

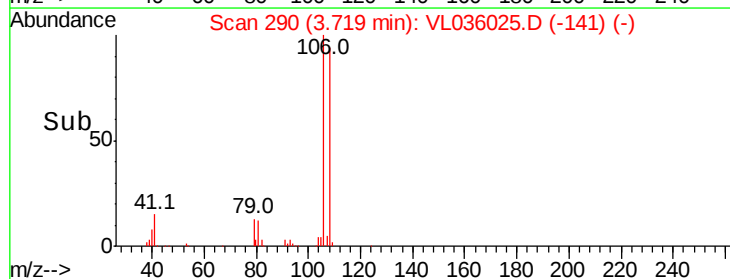
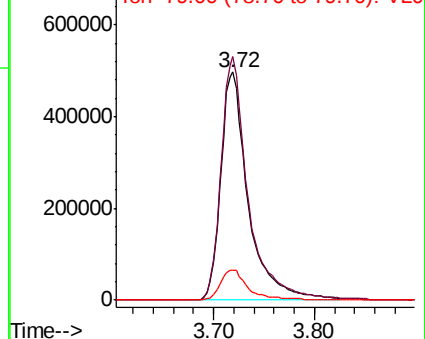
79 13.8 11.6 17.4

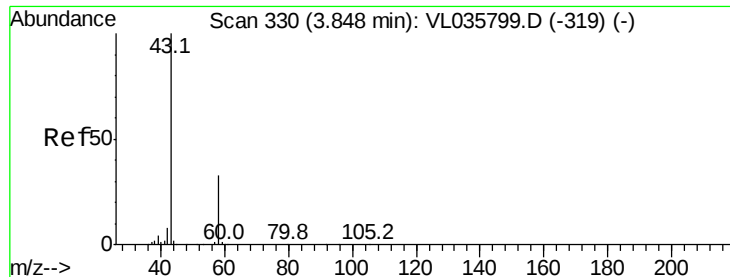


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 8.753 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1191458

Ion Ratio Lower Upper

43 100

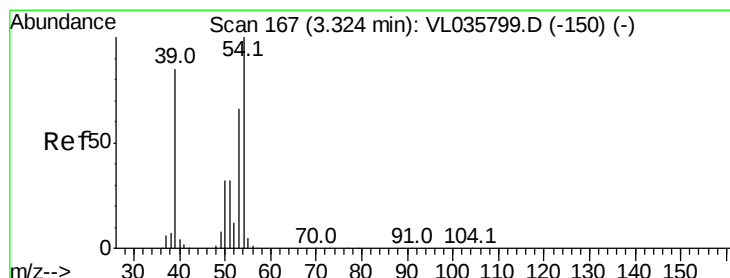
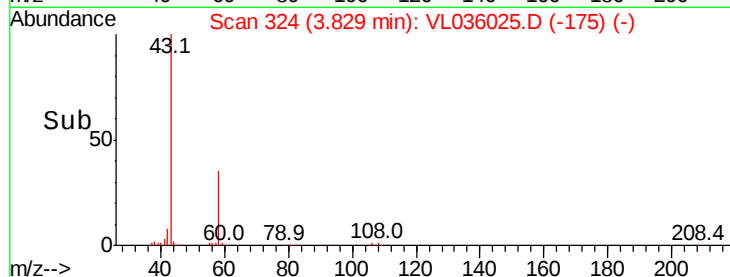
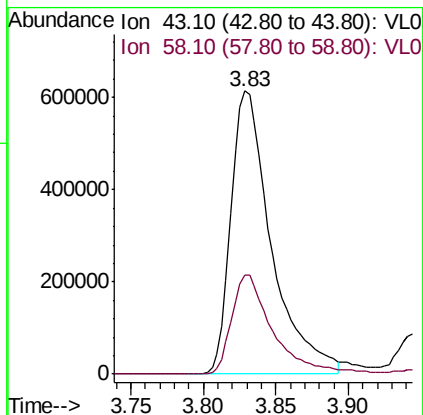
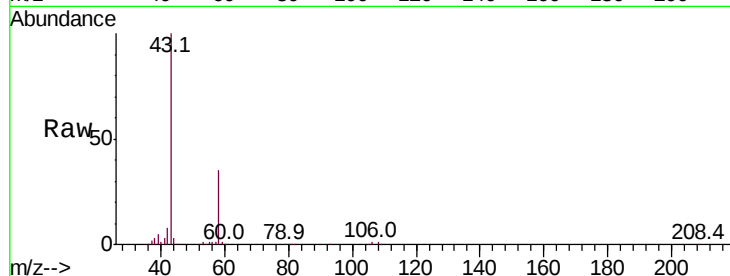
58 36.0 27.5 41.3

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#16

1,3-Butadiene

Concen: 9.281 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL036025.D

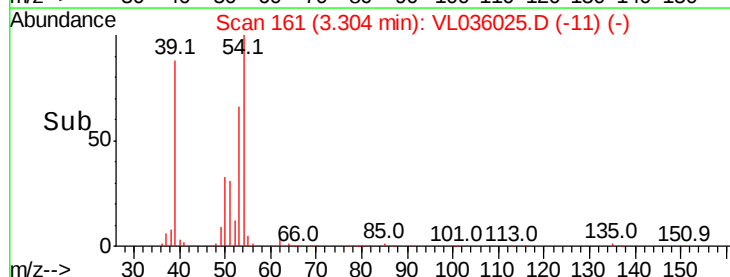
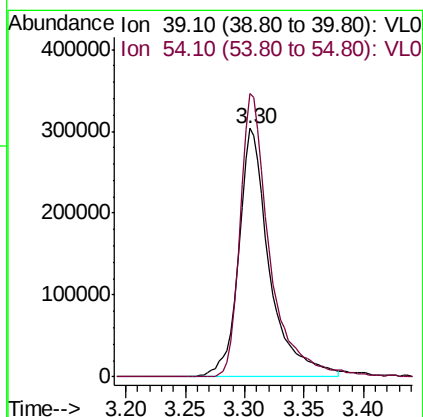
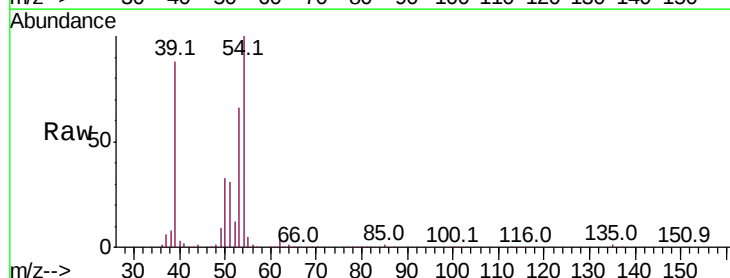
Acq: 25 Nov 2020 11:09

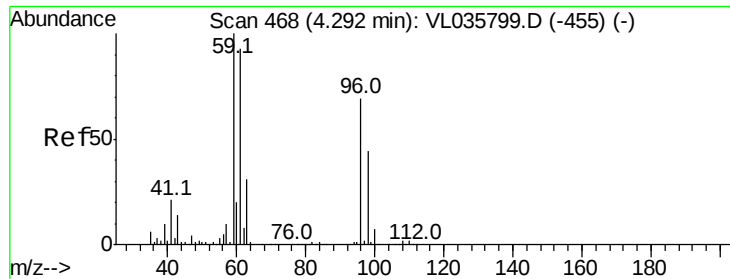
Tgt Ion: 39 Resp: 543950

Ion Ratio Lower Upper

39 100

54 111.3 87.1 130.7





#17

tert-Butyl alcohol

Concen: 8.796 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 59 Resp: 1586871

Ion Ratio Lower Upper

59 100

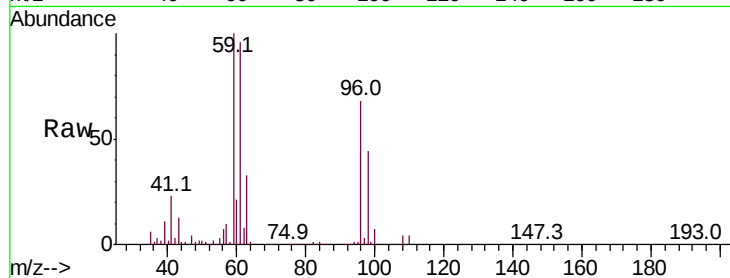
57 10.5 8.2 12.4

Manual Integrations

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

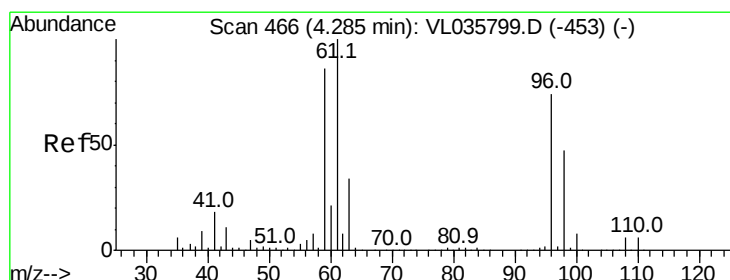
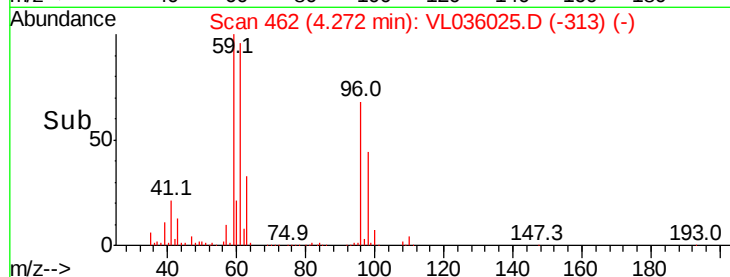
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.508 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

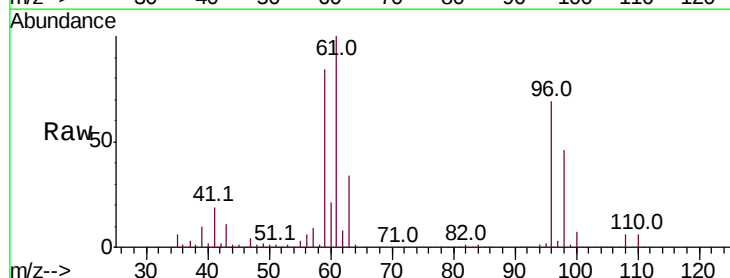
Tgt Ion: 96 Resp: 978357

Ion Ratio Lower Upper

96 100

61 144.3 108.5 162.7

98 65.8 50.7 76.1



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

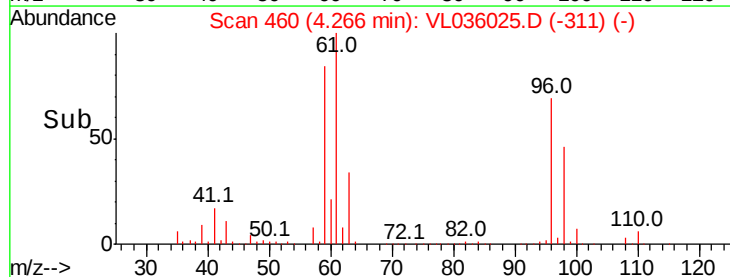
600000

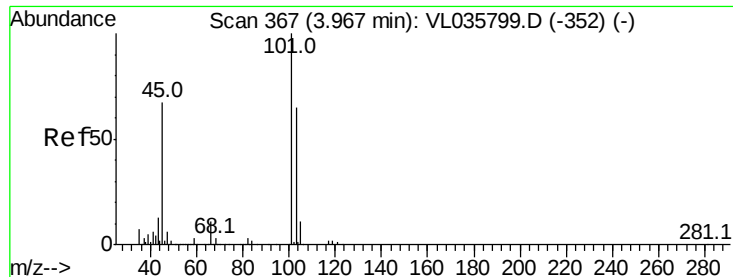
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 8.847 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 740050

Ion Ratio Lower Upper

45 100

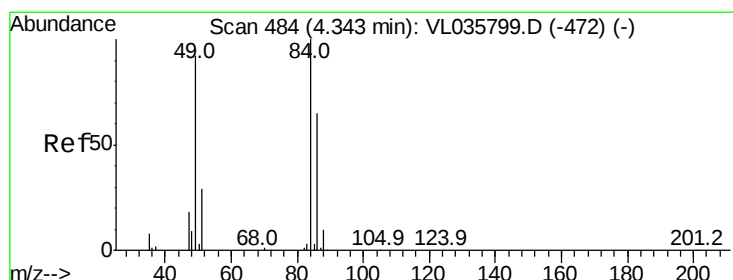
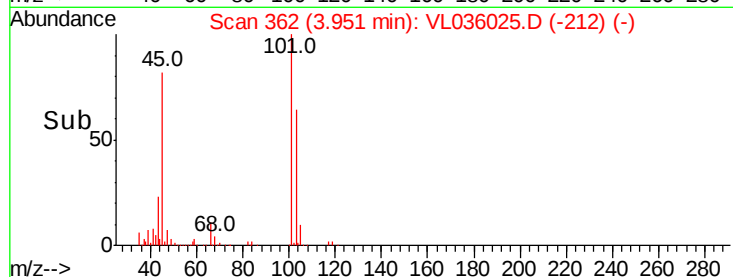
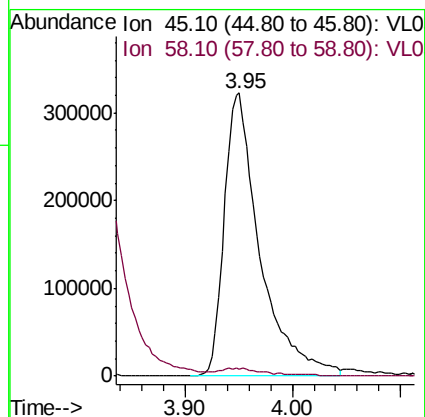
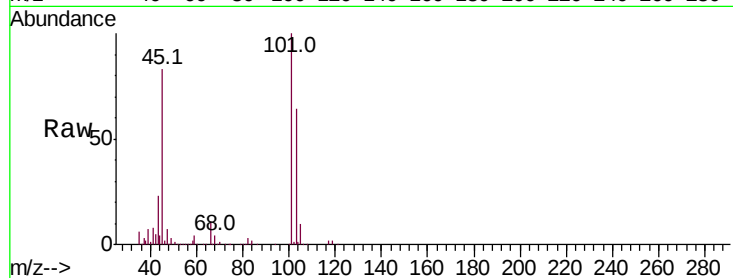
58 3.5 2.6 3.8

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#20

Methylene Chloride

Concen: 8.371 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion: 84 Resp: 802172

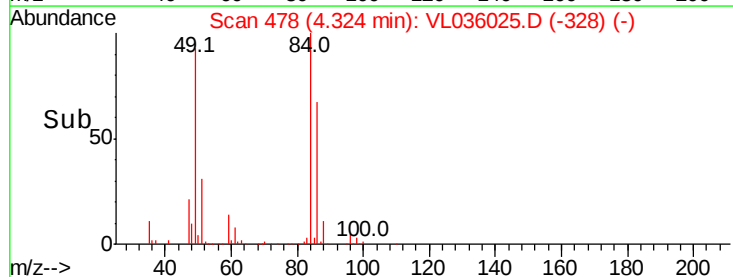
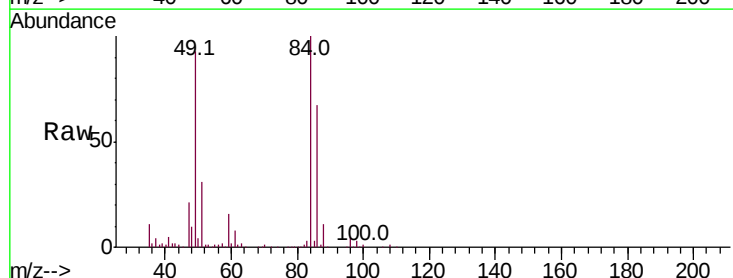
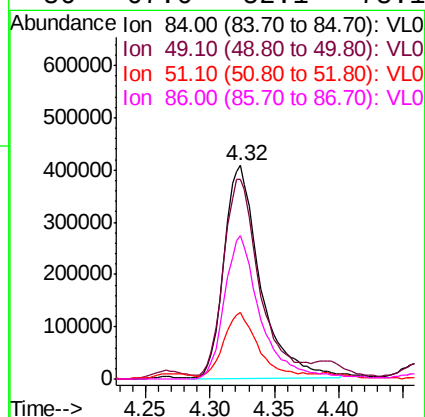
Ion Ratio Lower Upper

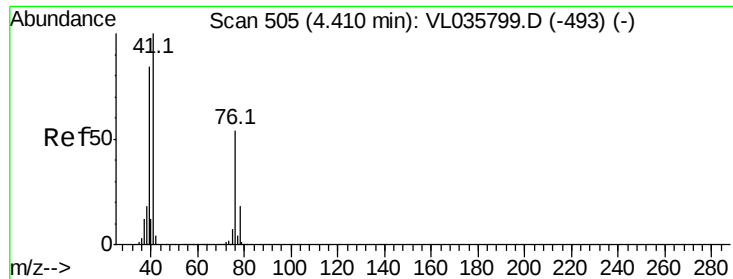
84 100

49 91.8 73.8 110.8

51 29.6 23.0 34.4

86 67.6 52.1 78.1





#21

Allvl Chloride

Concen: 9.911 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

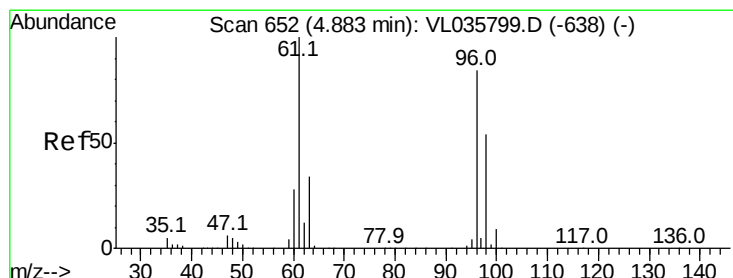
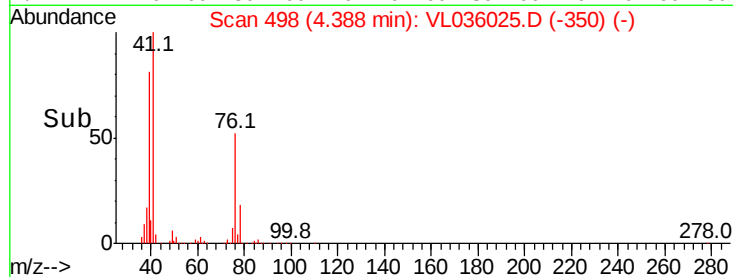
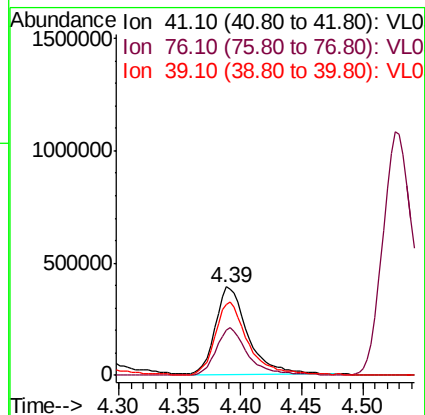
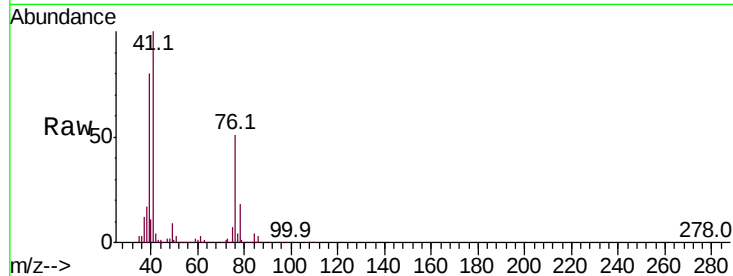
ClientSampleId :

VSTDCCC010EC

Tot Ion:	41	Resp:	729606
Ion	Ratio	Lower	Upper
41	100		
76	53.7	42.6	63.8
39	84.2	67.0	100.4

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#22

trans-1,2-Dichloroethene

Concen: 9.509 ppbv

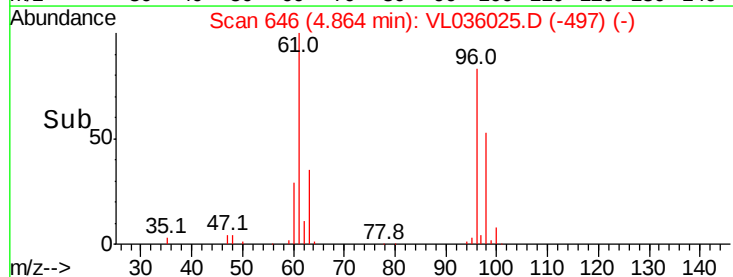
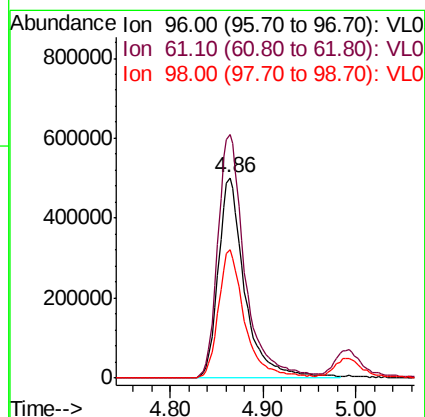
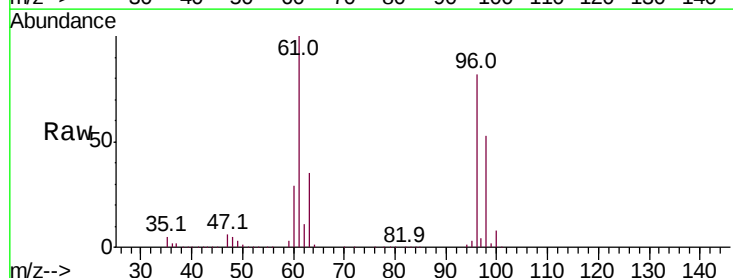
RT: 4.86 min Scan# 646

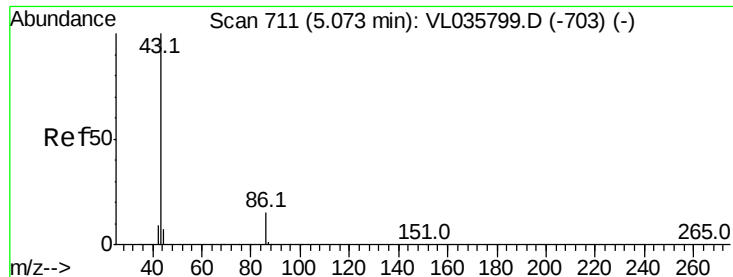
Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion:	96	Resp:	991940
Ion	Ratio	Lower	Upper
96	100		
61	121.7	95.4	143.0
98	63.9	51.8	77.6





#23

Vinyl Acetate

Concen: 8.973 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1712072

Ion Ratio Lower Upper

43 100

86 12.1 9.8 14.6

42 9.5 8.1 12.1

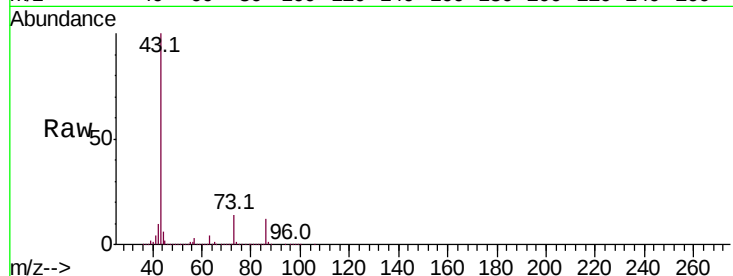
44 5.2 4.2 6.4

Manual Integrations

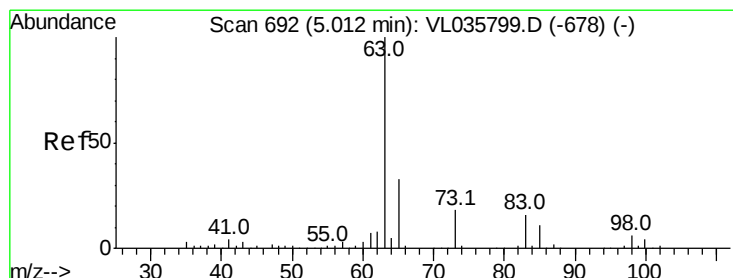
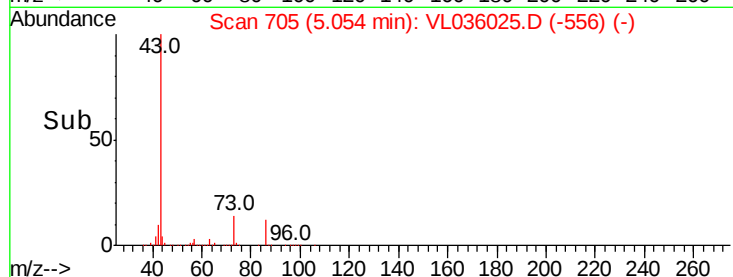
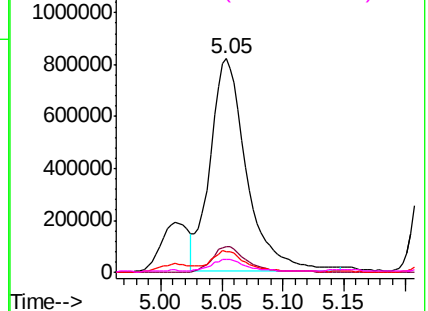
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.246 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

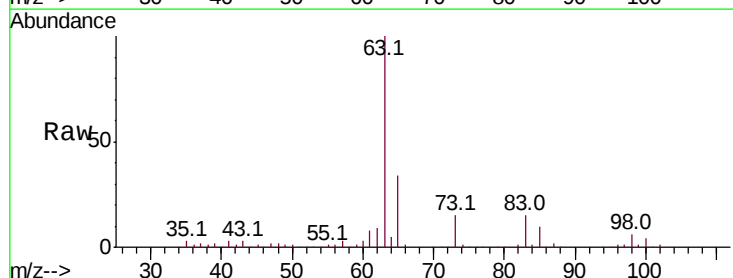
Tgt Ion: 63 Resp: 1680808

Ion Ratio Lower Upper

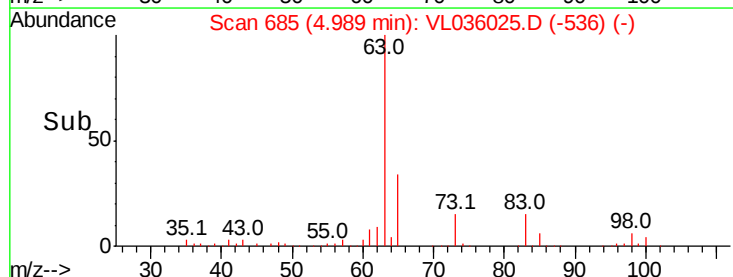
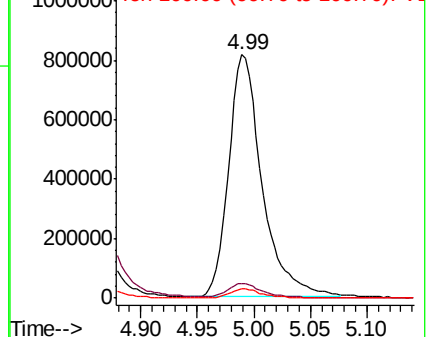
63 100

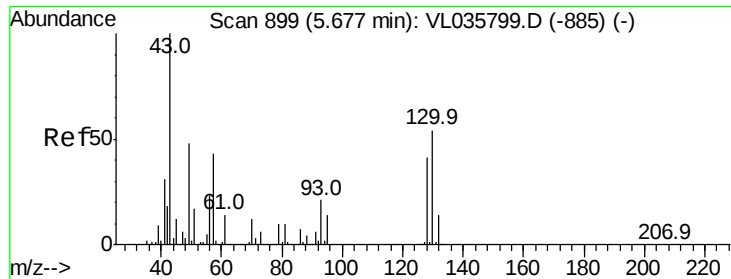
98 6.0 3.0 9.2

100 3.6 1.8 5.4



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





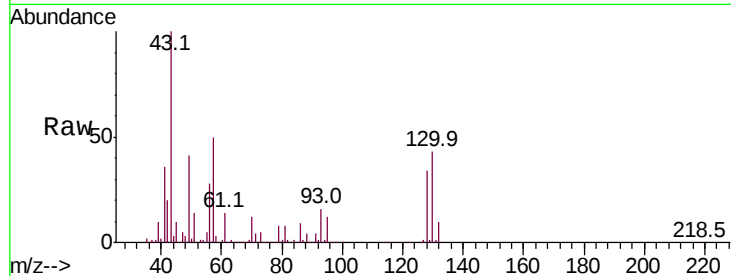
#25
Ethyl Acetate
Concen: 9.483 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.5	12.7
61	13.8	10.7	16.1
70	10.5	8.6	12.8

Manual Integrations
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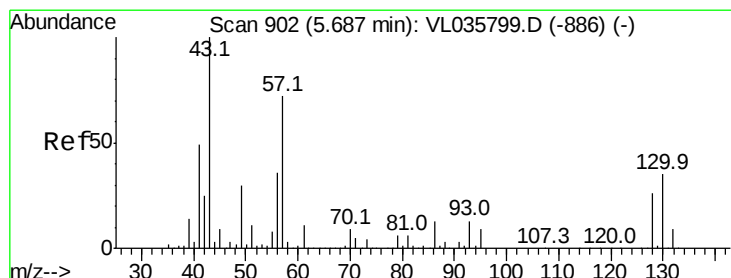
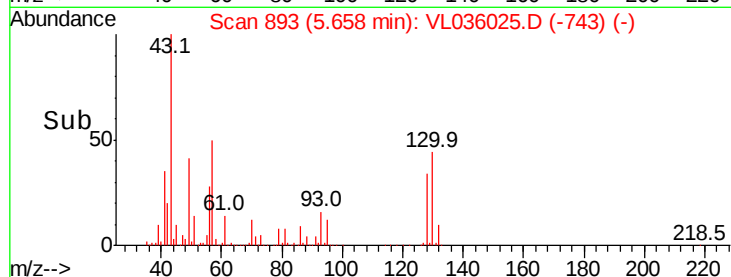
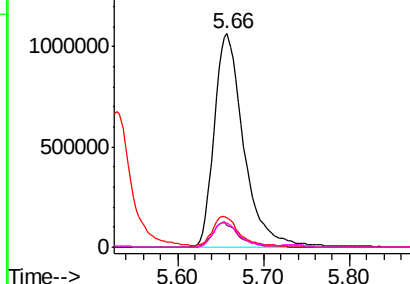
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.249 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion	Ratio	Lower	Upper
57	100		
41	73.1	58.9	88.3
43	186.8	150.2	225.2
56	52.9	42.4	63.6

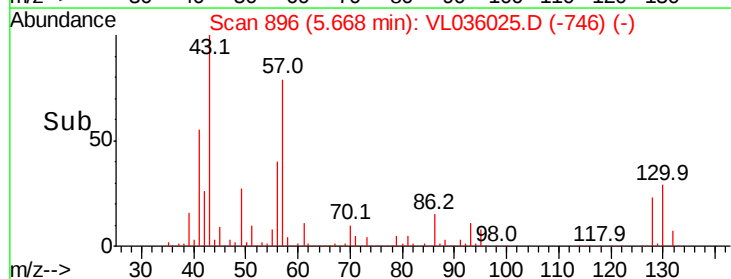
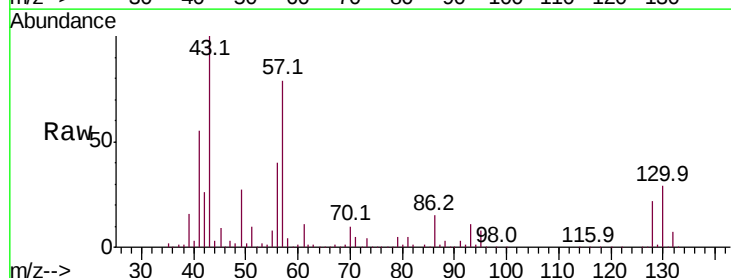
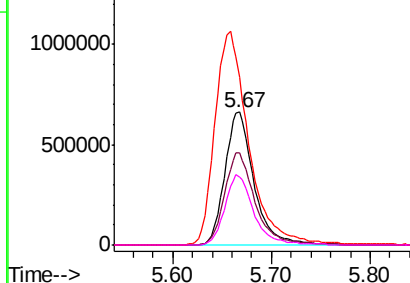
Abundance

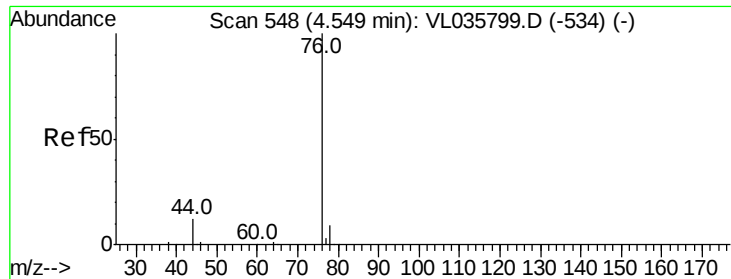
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.717 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 2153349

Ion Ratio Lower Upper

76 100

44 11.7 9.9 14.9

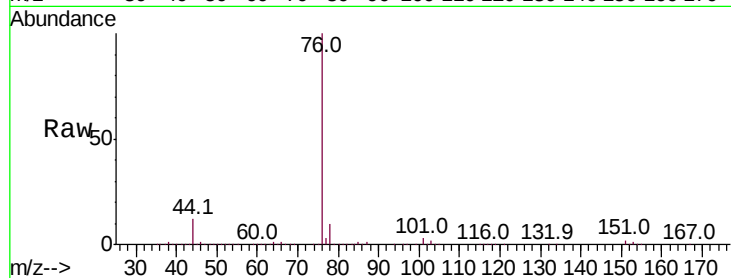
78 10.0 8.1 12.1

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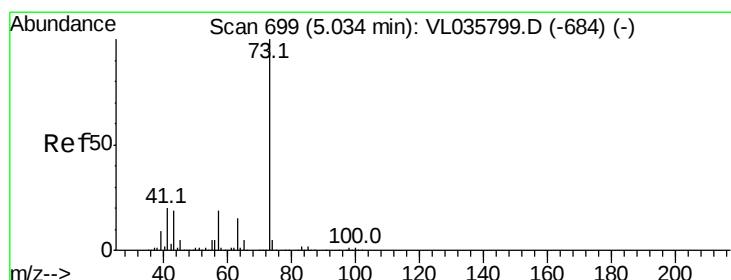
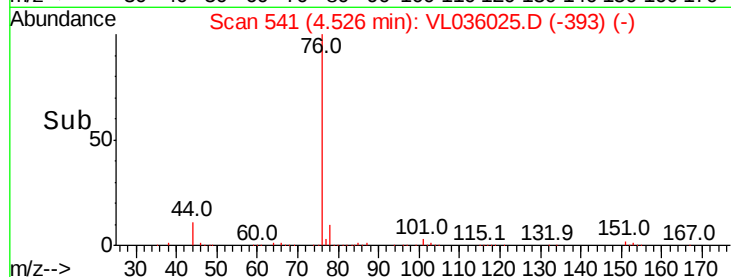
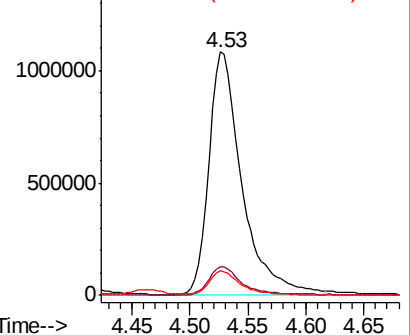
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.738 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.02 min

Lab File: VL036025.D

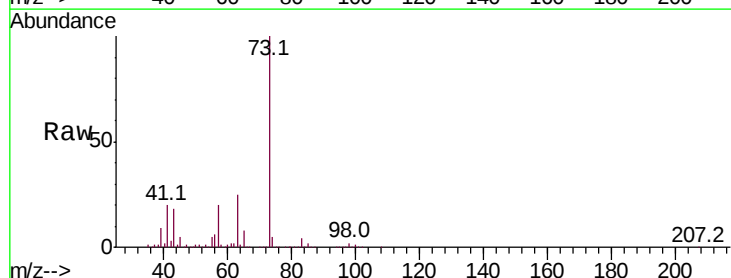
Acq: 25 Nov 2020 11:09

Tgt Ion: 73 Resp: 2320757

Ion Ratio Lower Upper

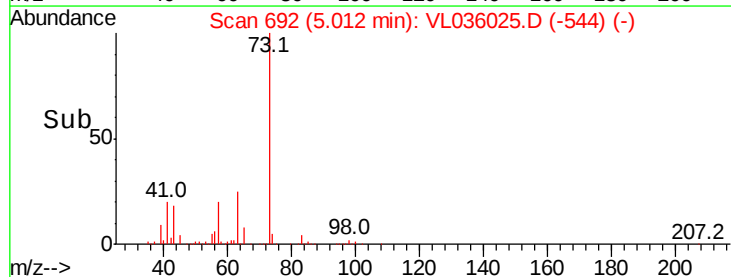
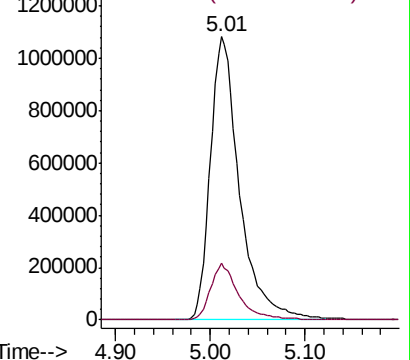
73 100

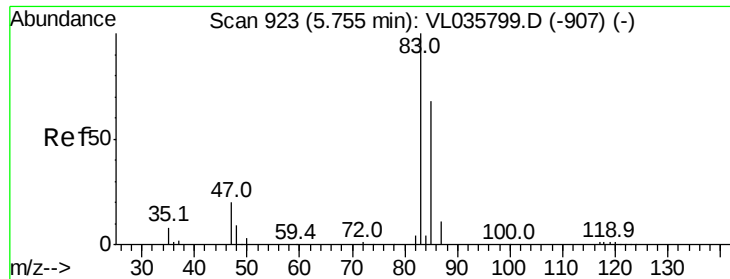
57 19.3 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





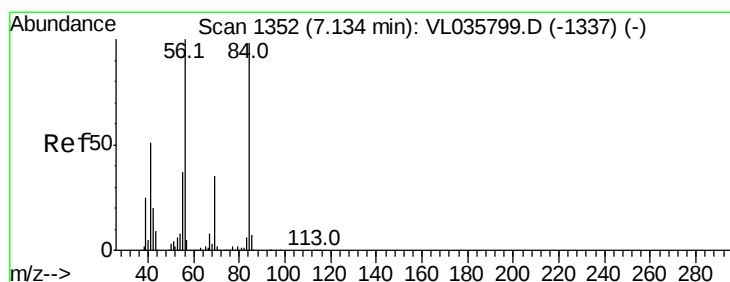
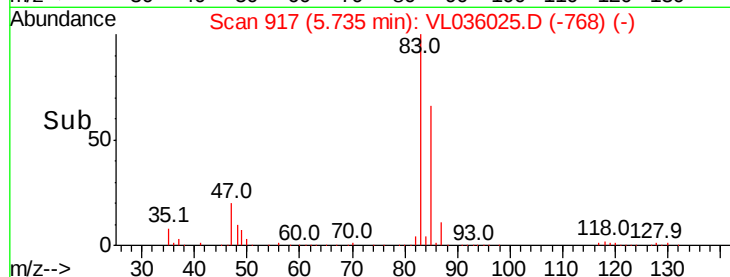
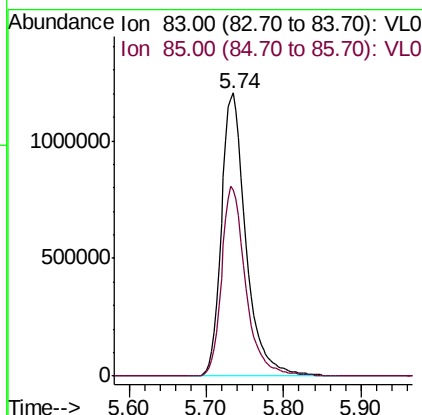
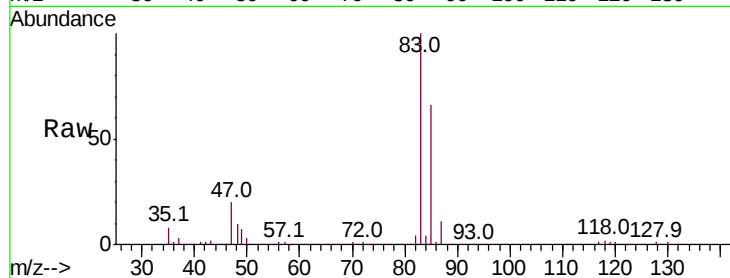
#29
Chloroform
Concen: 9.125 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2652359
Ion Ratio Lower Upper
83 100
85 65.6 54.6 81.8

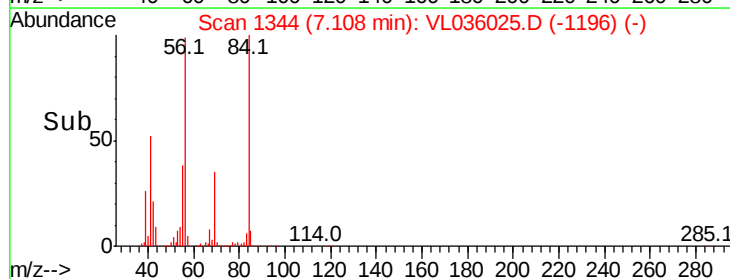
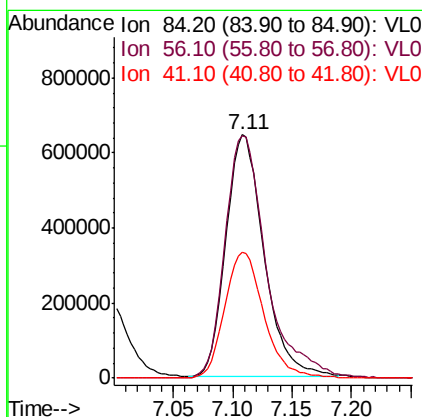
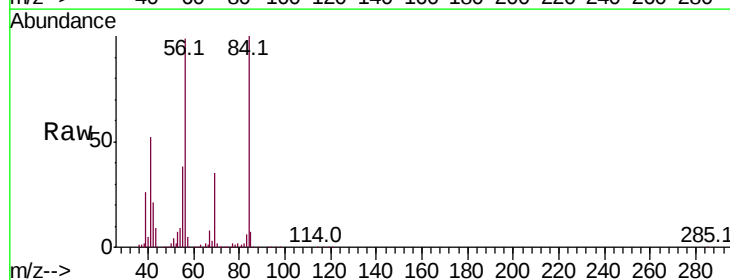
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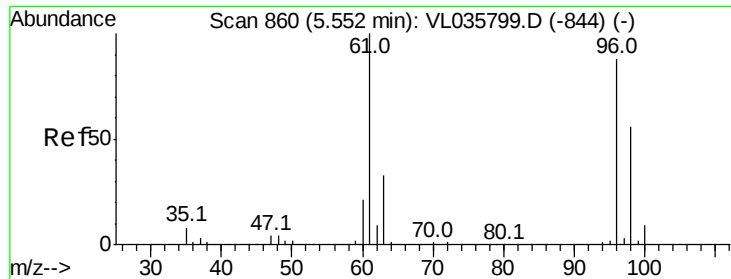
MMDadoda
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#30
Cyclohexane
Concen: 8.909 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 84 Resp: 1434936
Ion Ratio Lower Upper
84 100
56 109.1 86.4 129.6
41 53.7 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.136 ppbv

RT: 5.53 min Scan# 853

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 61 Resp: 1389943

Ion Ratio Lower Upper

61 100

96 87.3 70.3 105.5

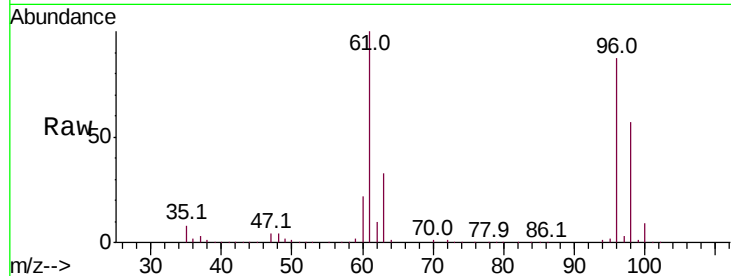
98 56.6 45.0 67.6

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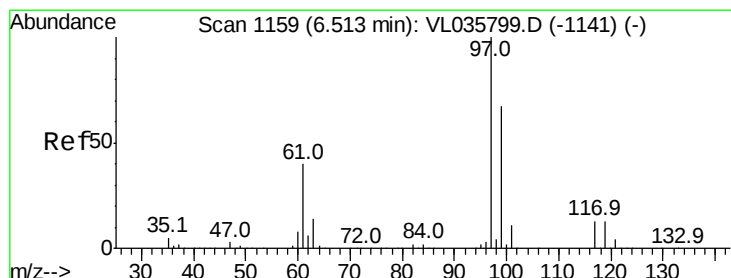
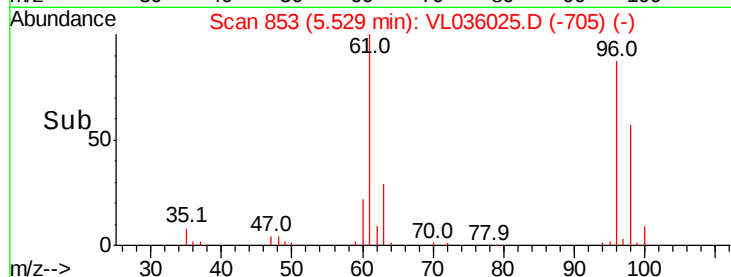
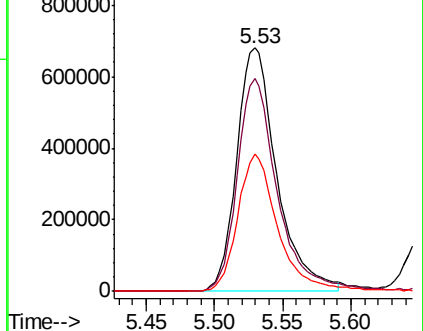
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Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.389 ppbv

RT: 6.49 min Scan# 1152

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

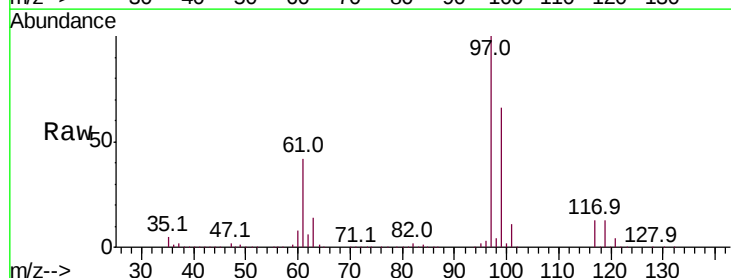
Tgt Ion: 97 Resp: 2544489

Ion Ratio Lower Upper

97 100

99 65.4 52.3 78.5

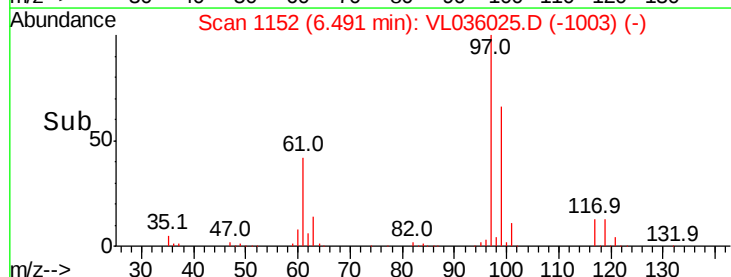
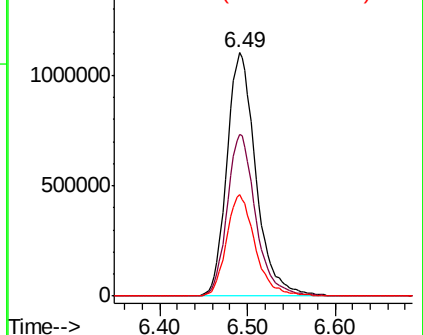
61 41.6 32.0 48.0

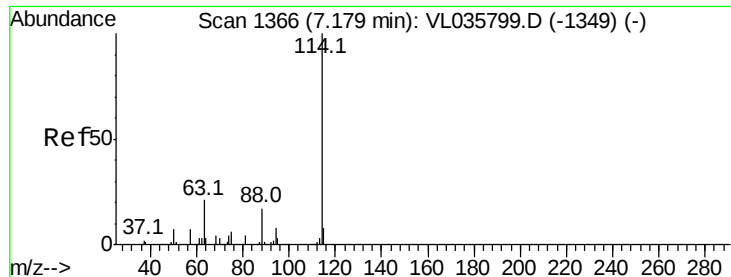


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

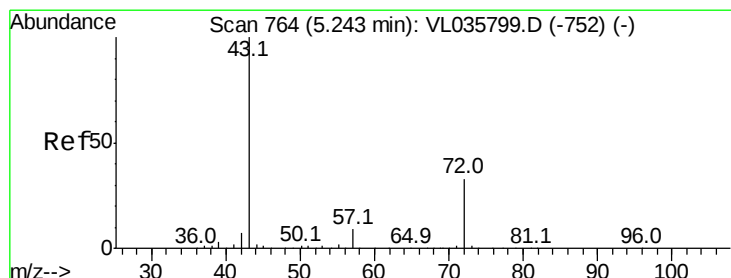
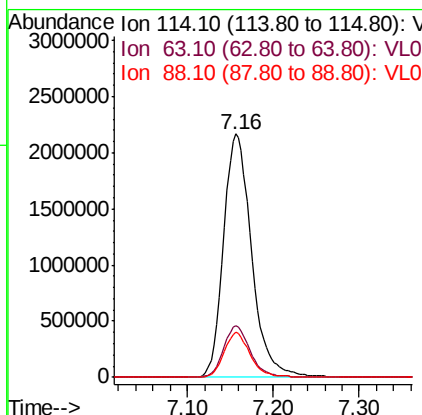
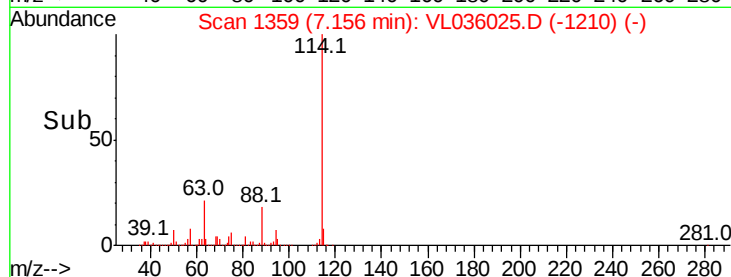
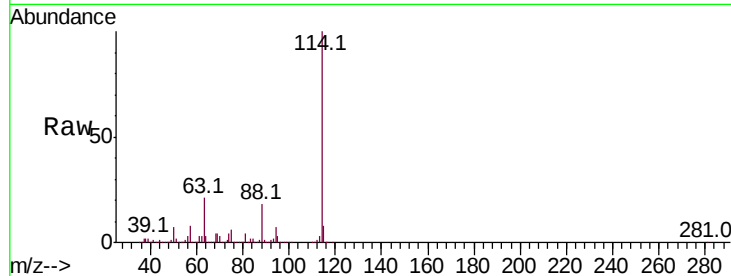
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:114 Resp: 4928784

Ion	Ratio	Lower	Upper
114	100		
63	20.4	16.1	24.1
88	17.3	13.7	20.5

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#34

2-Butanone

Concen: 10.082 ppbv

RT: 5.22 min Scan# 758

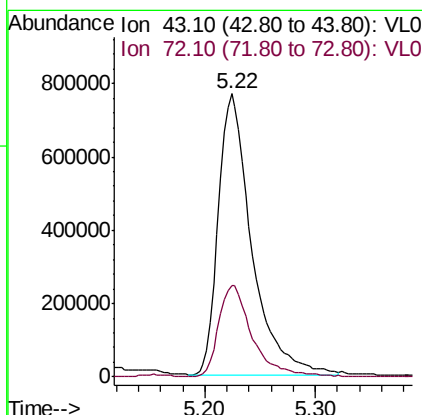
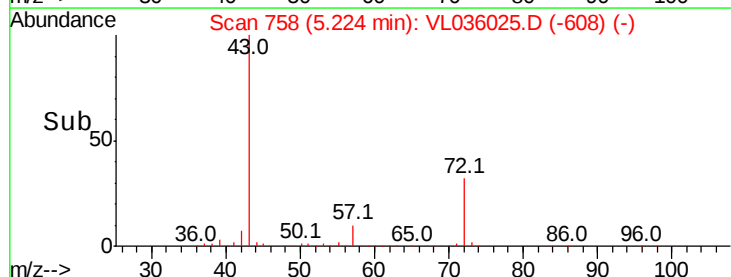
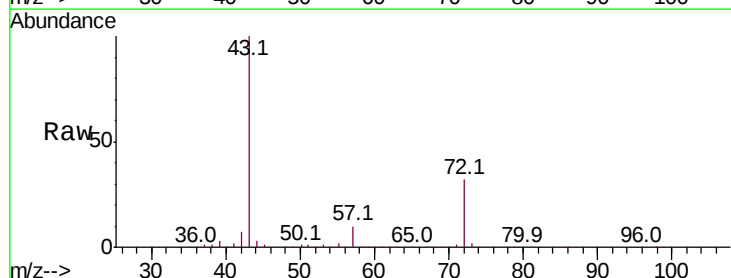
Delta R.T. -0.02 min

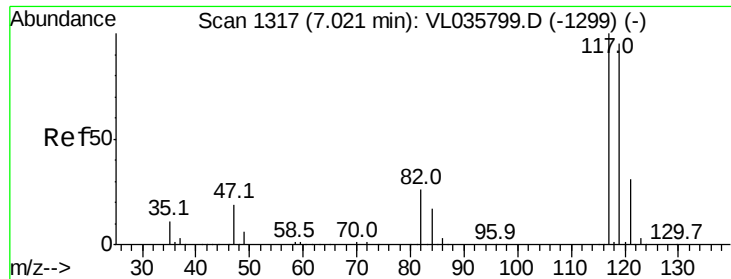
Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion: 43 Resp: 1612762

Ion	Ratio	Lower	Upper
43	100		
72	33.3	26.5	39.7





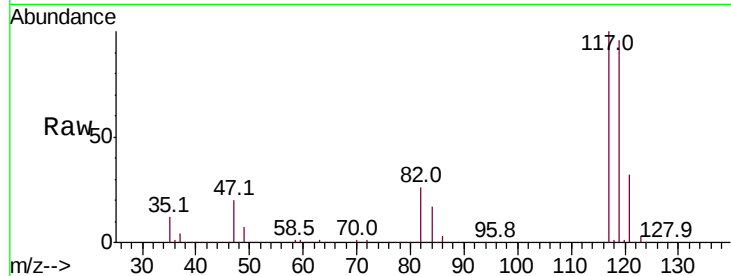
#35
Carbon Tetrachloride
Concen: 9.476 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.0	75.6	113.4
121	32.0	25.1	37.7

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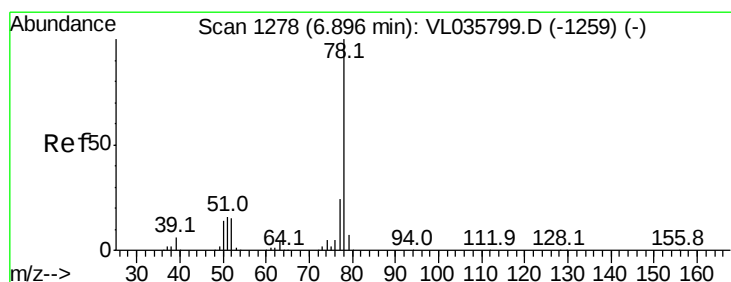
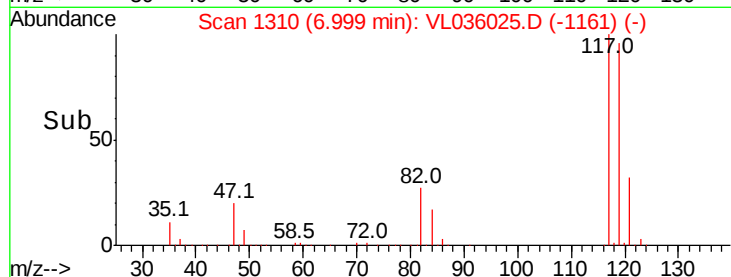
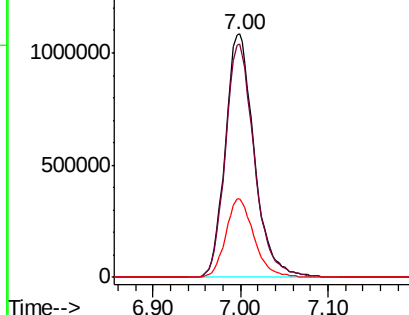


Abundance

Ion 117.00 (116.70 to 117.70): V

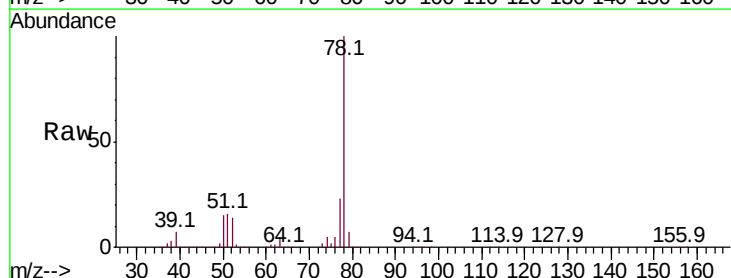
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36
Benzene
Concen: 9.274 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.3	28.9
50	14.6	11.4	17.2

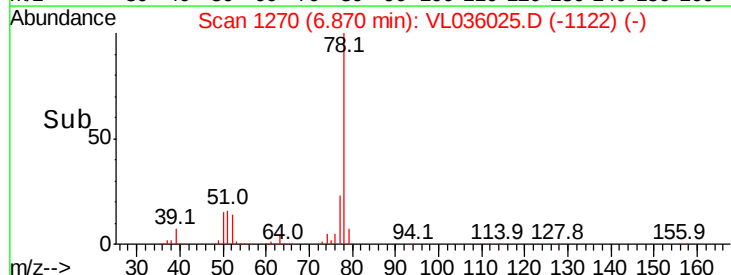
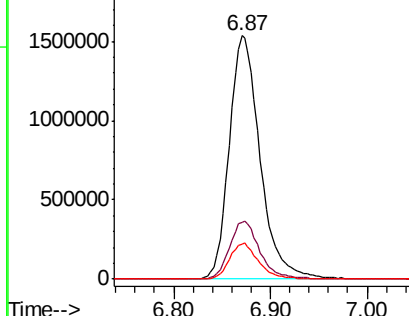


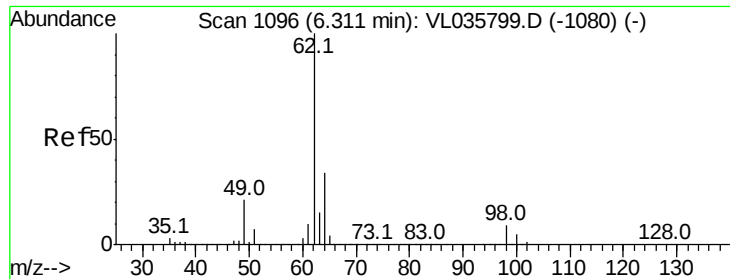
Abundance

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





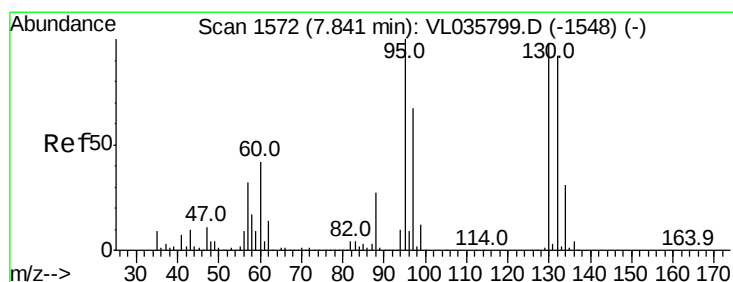
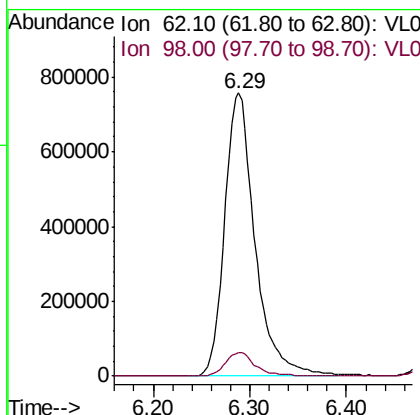
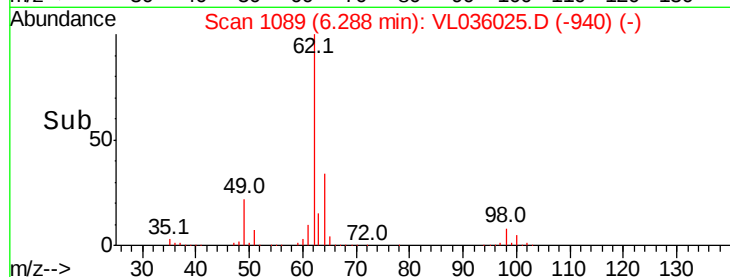
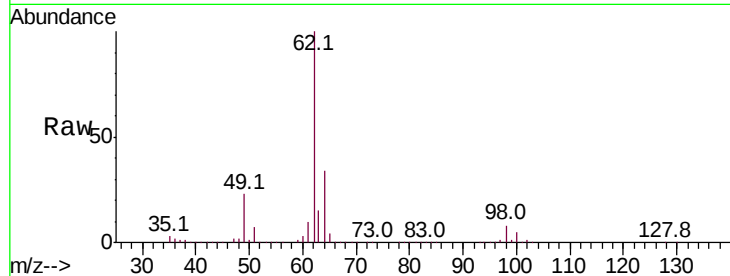
#37
 1,2-Dichloroethane
 Concen: 9.935 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1649233
 Ion Ratio Lower Upper
 62 100
 98 8.4 6.9 10.3

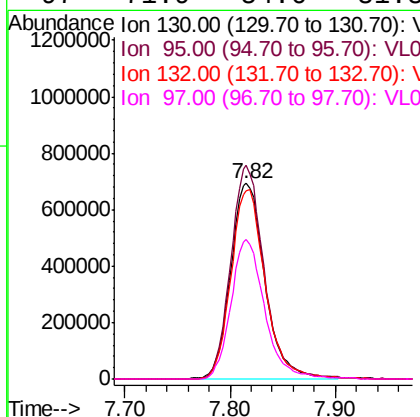
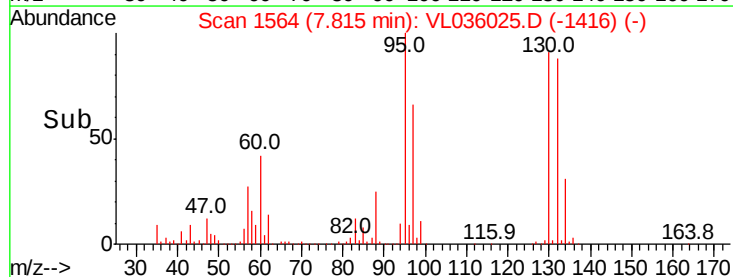
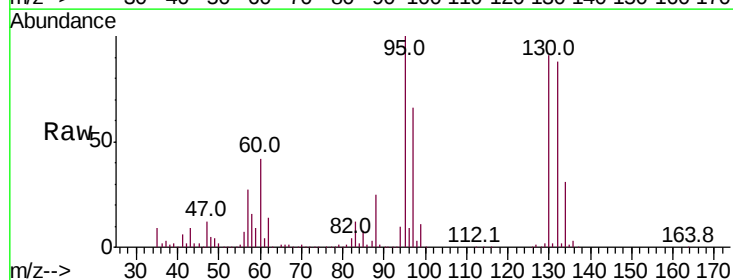
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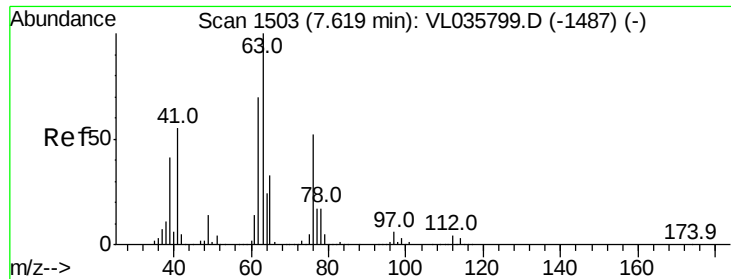
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 11/27/2020 1:17:23 PM



#38
 Trichloroethene
 Concen: 8.627 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion: 130 Resp: 1544018
 Ion Ratio Lower Upper
 130 100
 95 109.7 81.6 122.4
 132 96.3 75.1 112.7
 97 71.9 54.6 81.8





#39

1,2-Dichloropropane

Concen: 9.493 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. -0.02 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1171039

Ion Ratio Lower Upper

63 100

41 53.6 43.8 65.6

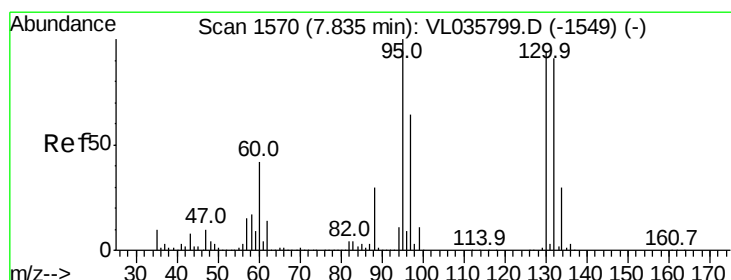
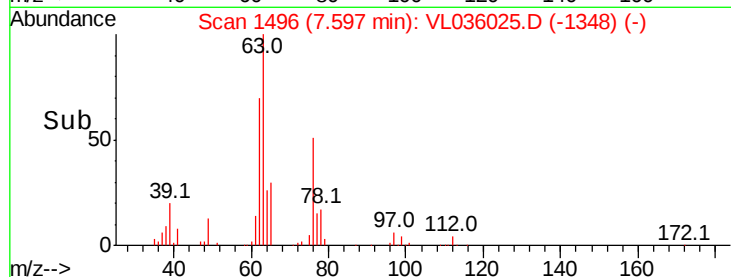
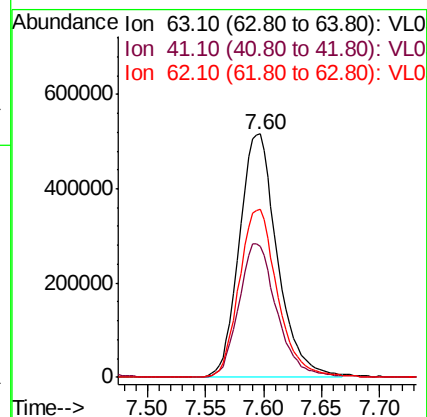
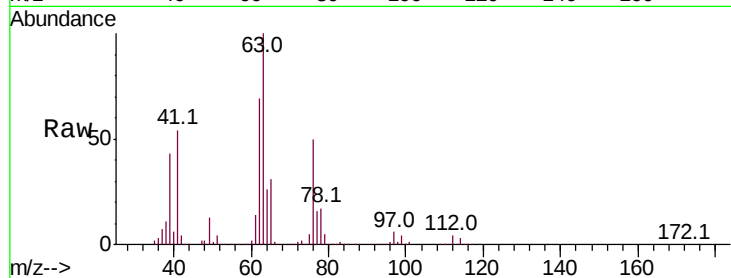
62 69.1 56.2 84.2

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#40

1,4-Dioxane

Concen: 8.840 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion: 88 Resp: 516840

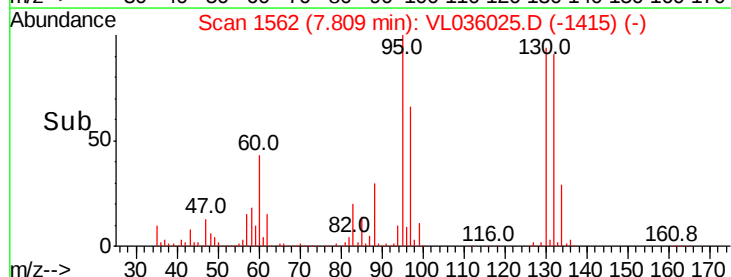
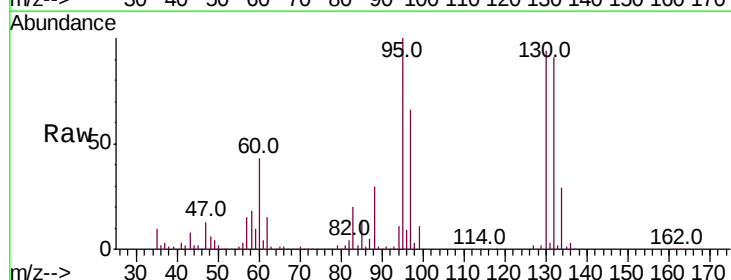
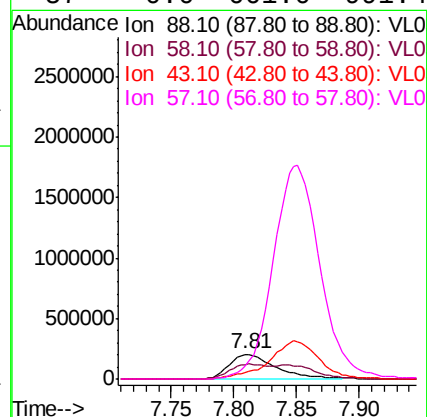
Ion Ratio Lower Upper

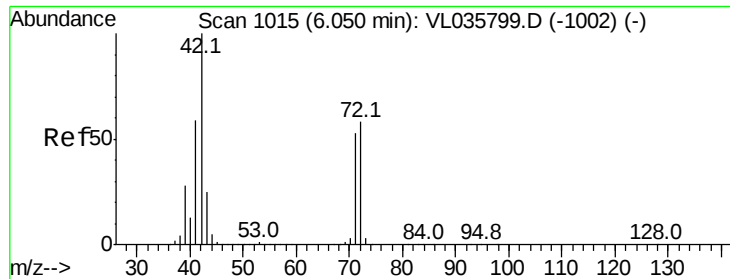
88 100

58 101.7 76.2 114.2

43 0.0 123.1 184.7#

57 0.0 661.0 991.4#





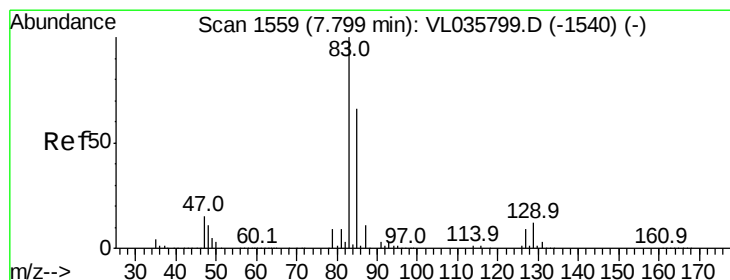
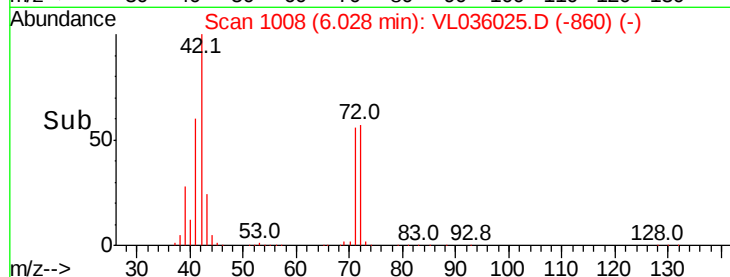
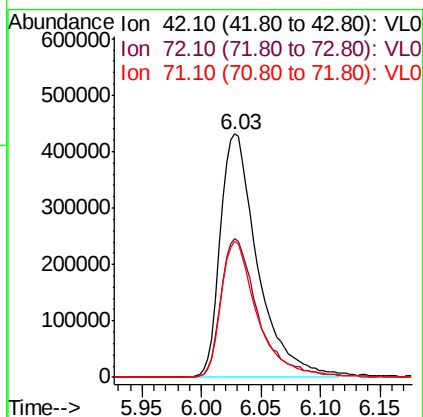
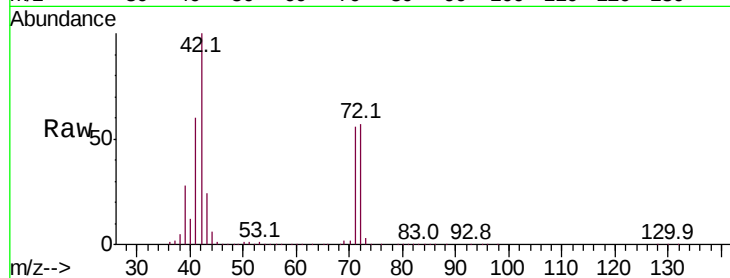
#41
Tetrahydrofuran
Concen: 10.353 ppbv
RT: 6.03 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.1	45.4	68.0
71	54.9	43.4	65.2

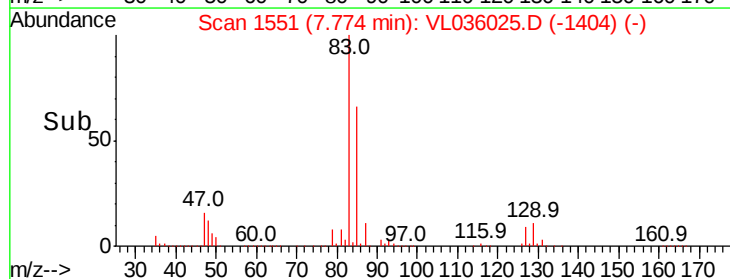
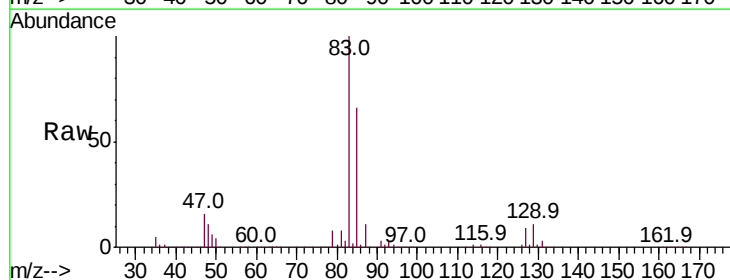
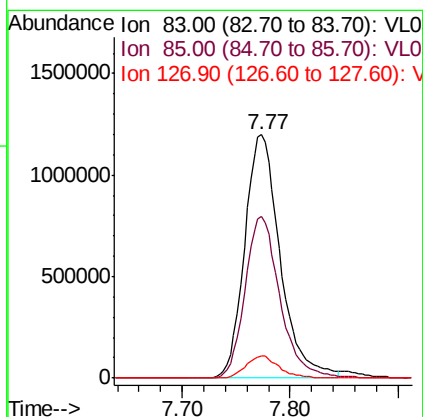
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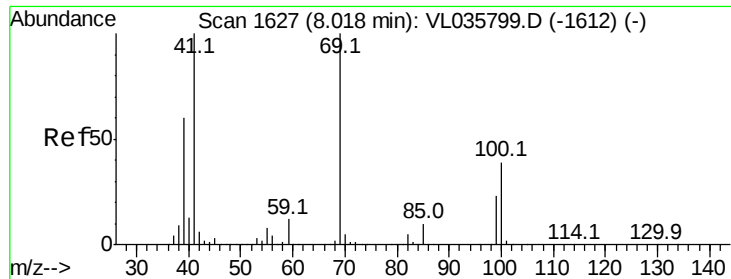
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#42
Bromodichloromethane
Concen: 9.755 ppbv
RT: 7.77 min Scan# 1551
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.1	79.7
127	8.9	7.3	10.9





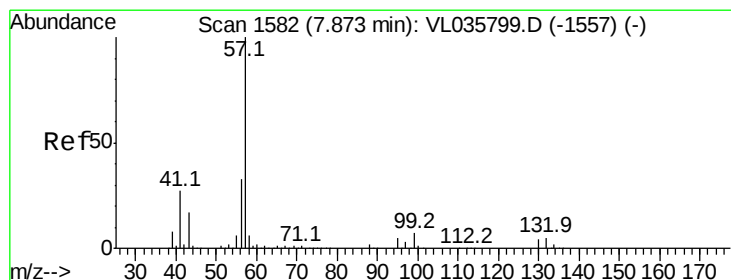
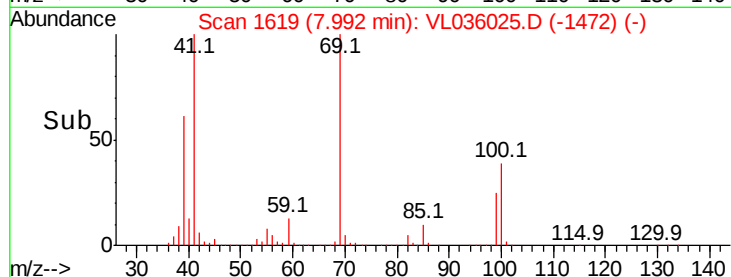
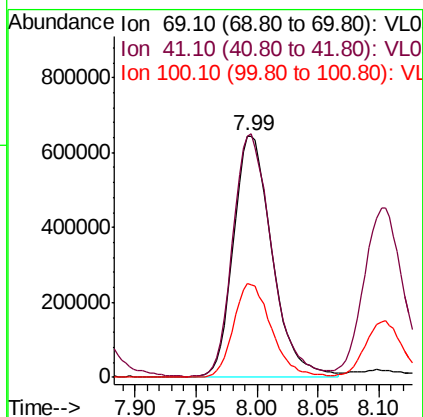
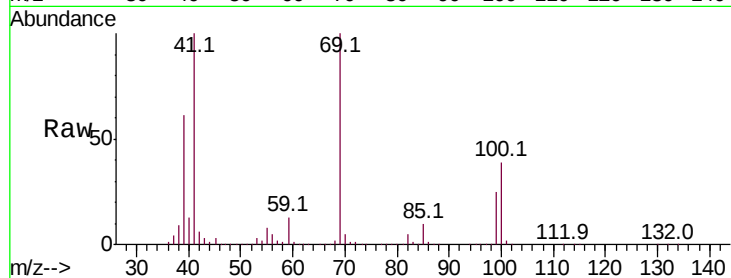
#43
Methyl Methacrylate
Concen: 10.148 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1418387
Ion Ratio Lower Upper
69 100
41 101.0 81.1 121.7
100 38.3 31.0 46.4

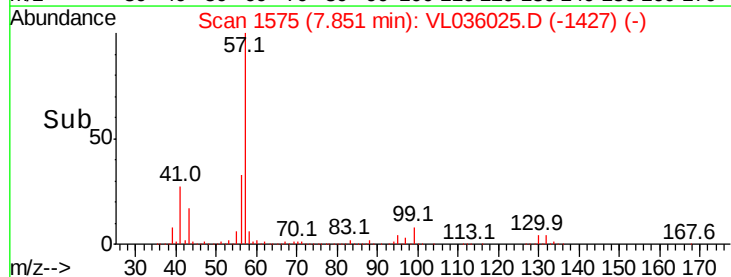
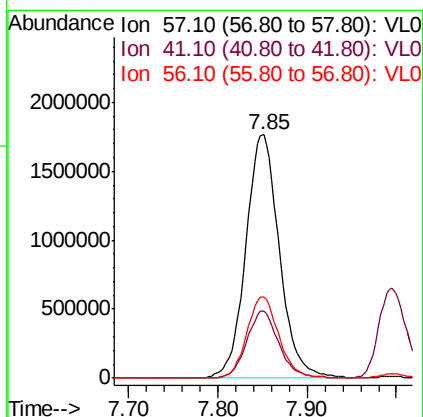
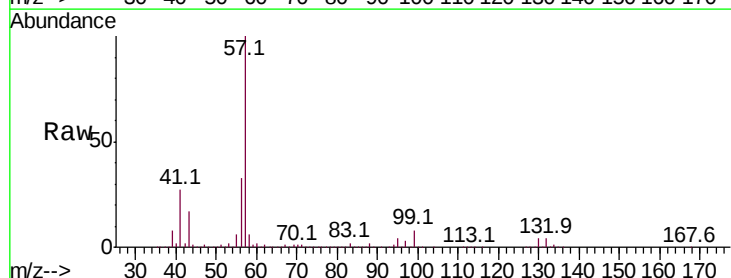
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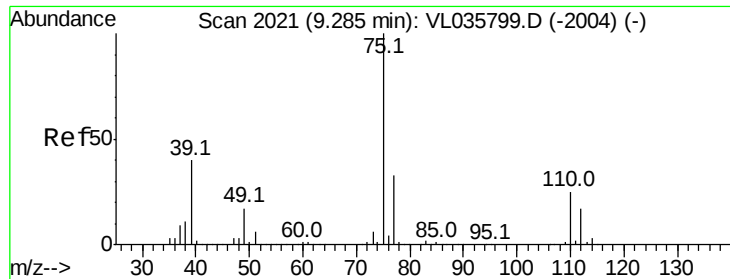
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#44
2,2,4-Trimethylpentane
Concen: 9.530 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 57 Resp: 4620933
Ion Ratio Lower Upper
57 100
41 26.3 21.0 31.4
56 32.1 25.4 38.0





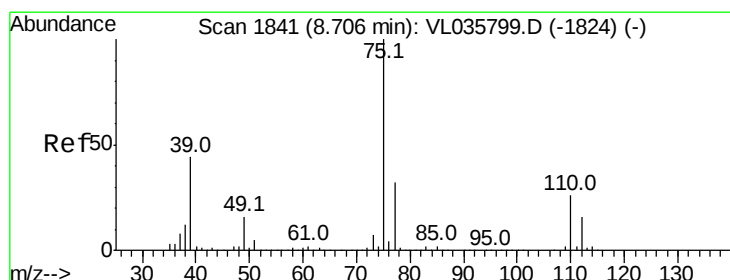
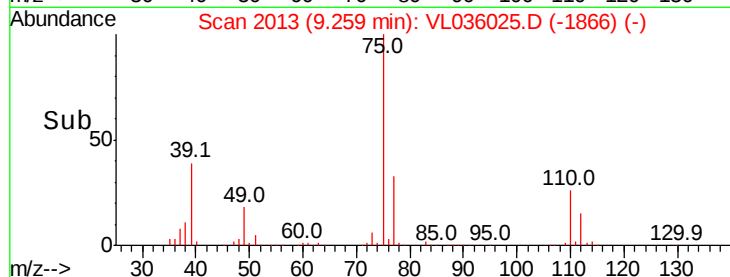
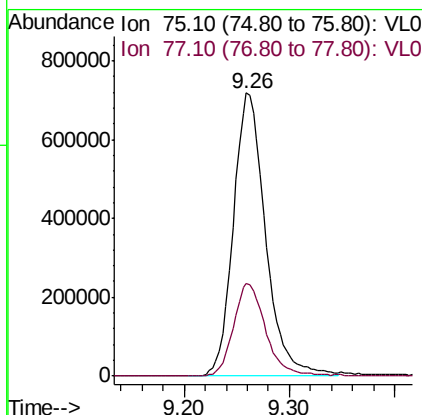
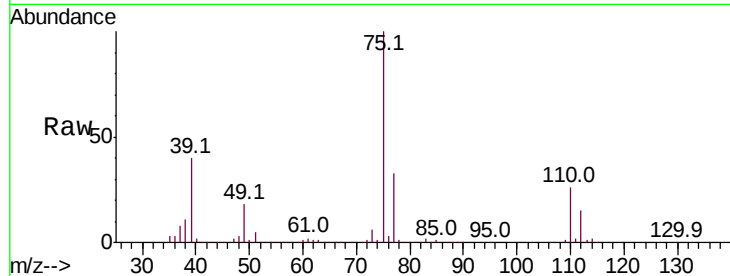
#45
 t-1,3-Dichloropropene
 Concen: 10.247 ppbv
 RT: 9.26 min Scan# 2013
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 75 Resp: 1518287
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.4 39.6

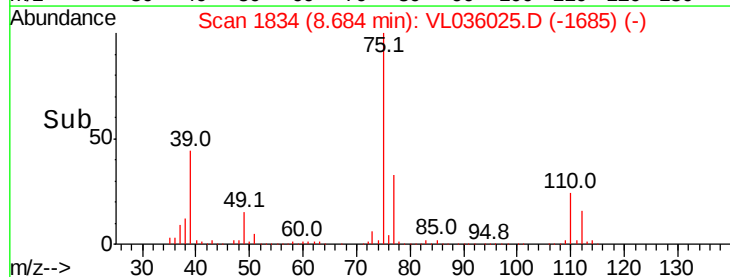
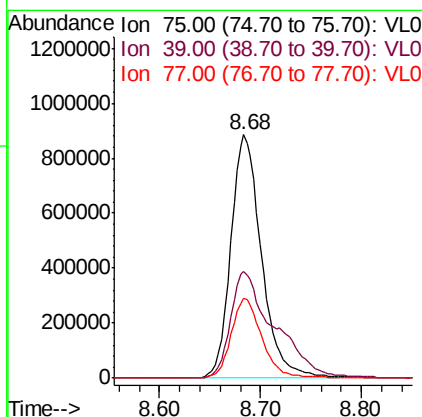
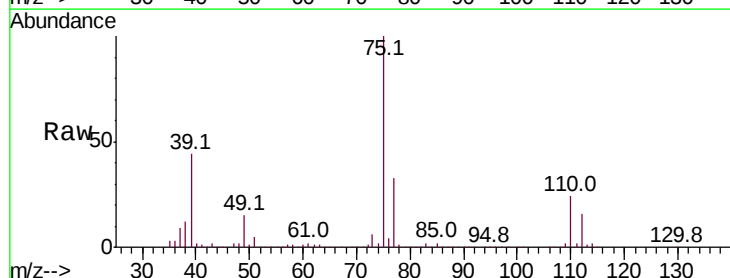
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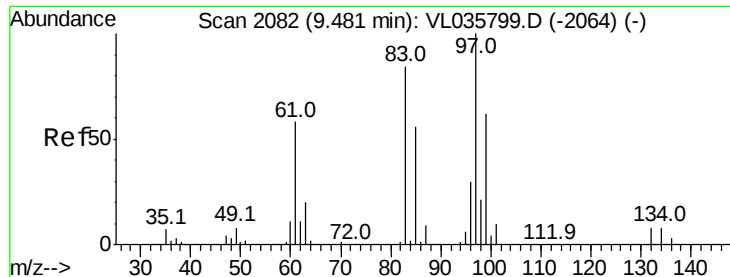
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#46
 cis-1,3-Dichloropropene
 Concen: 9.967 ppbv
 RT: 8.68 min Scan# 1834
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion: 75 Resp: 1870281
 Ion Ratio Lower Upper
 75 100
 39 43.9 35.1 52.7
 77 32.7 25.7 38.5





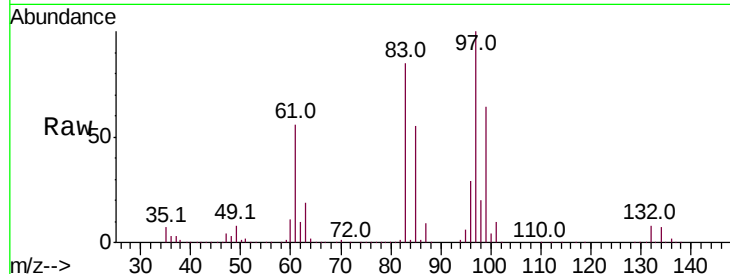
#47
 1,1,2-Trichloroethane
 Concen: 9.542 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

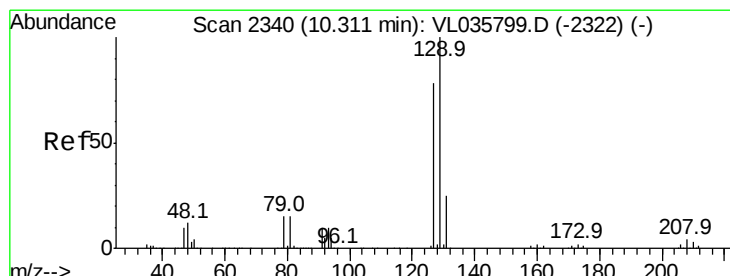
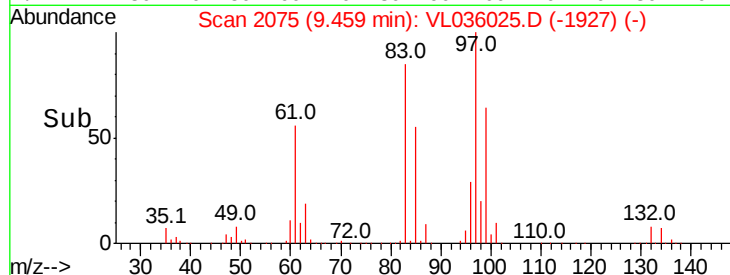
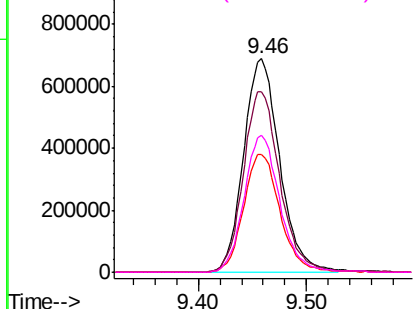
Tot Ion: 97 Resp: 1603903
 Ion Ratio Lower Upper
 97 100
 83 84.6 67.1 100.7
 85 55.0 44.7 67.1
 99 64.2 49.7 74.5

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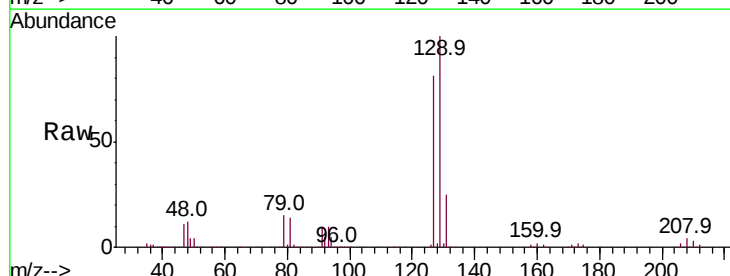


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

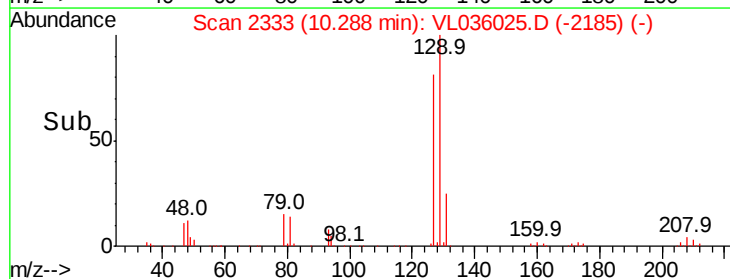
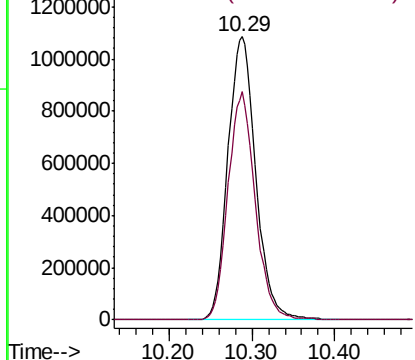


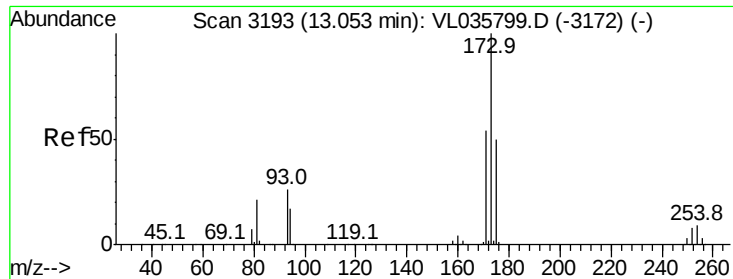
#48
 Dibromochloromethane
 Concen: 9.895 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.02 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion: 129 Resp: 2541064
 Ion Ratio Lower Upper
 129 100
 127 78.9 39.2 117.6



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.810 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2125874

Ion Ratio Lower Upper

173 100

175 50.0 40.1 60.1

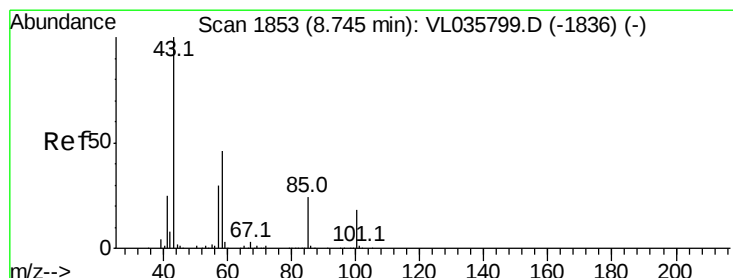
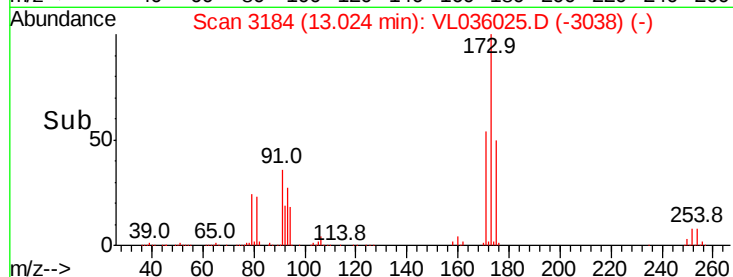
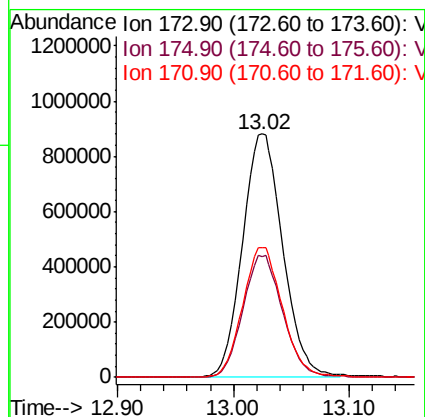
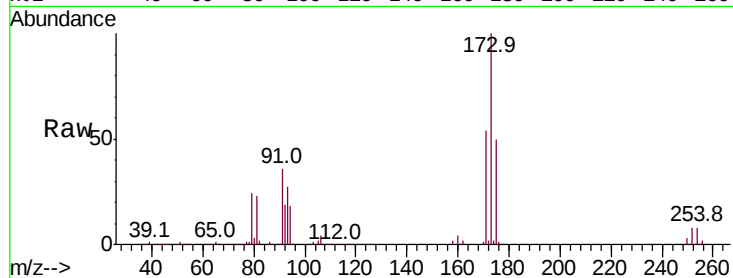
171 53.2 42.6 63.8

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#50

4-Methyl-2-Pentanone

Concen: 10.357 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.02 min

Lab File: VL036025.D

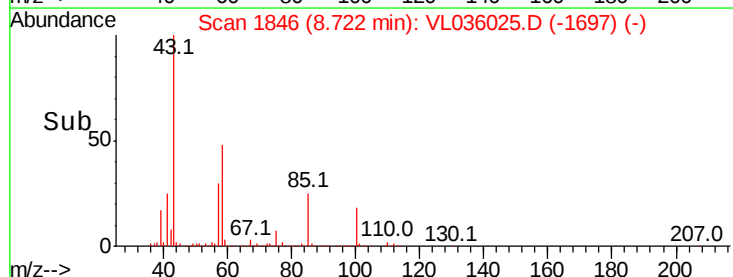
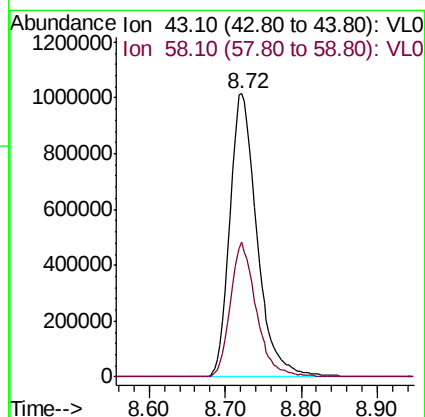
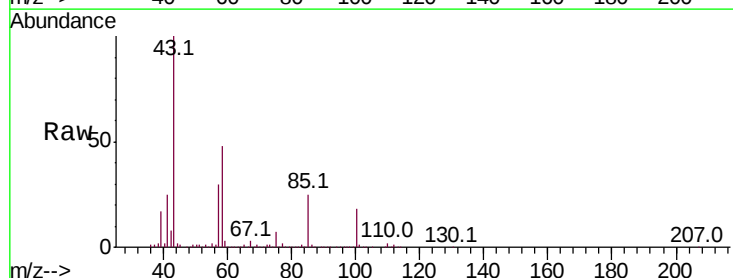
Acq: 25 Nov 2020 11:09

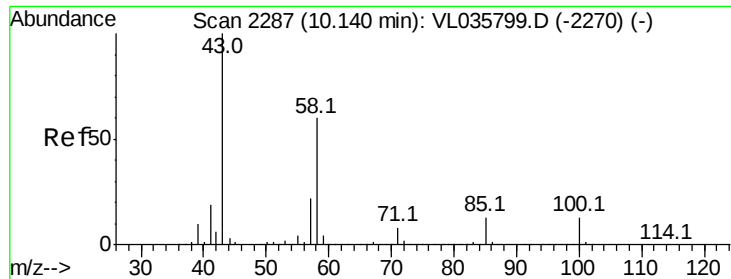
Tgt Ion: 43 Resp: 2533284

Ion Ratio Lower Upper

43 100

58 45.4 36.0 54.0





#51

2-Hexanone

Concen: 10.590 ppbv

RT: 10.11 min Scan# 2279

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2080834

Ion Ratio Lower Upper

43 100

58 60.4 48.3 72.5

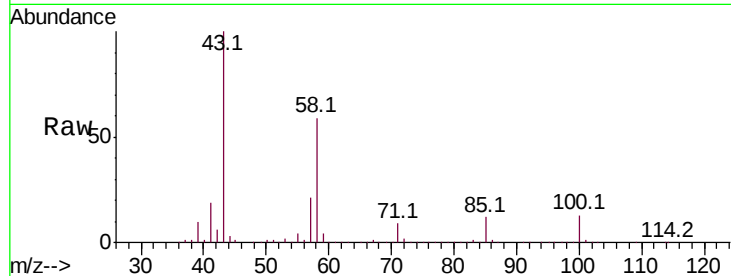
98 0.8 0.6 0.8

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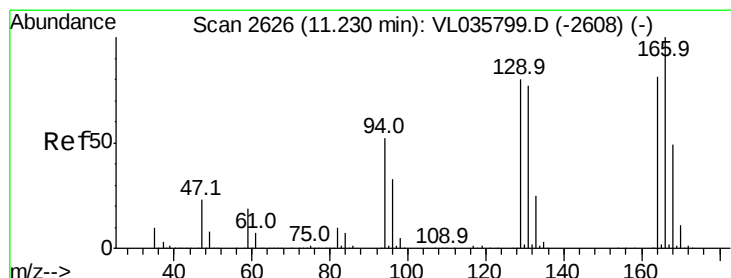
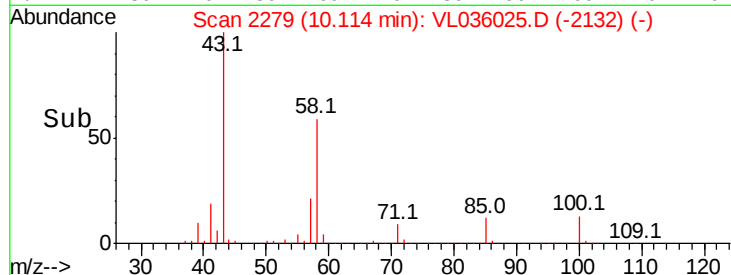
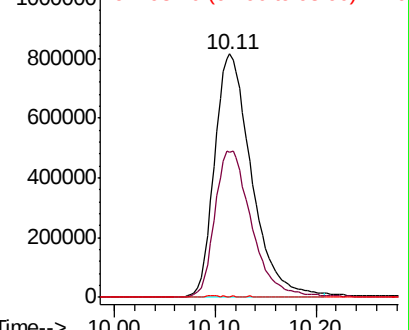


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.290 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion:164 Resp: 1439118

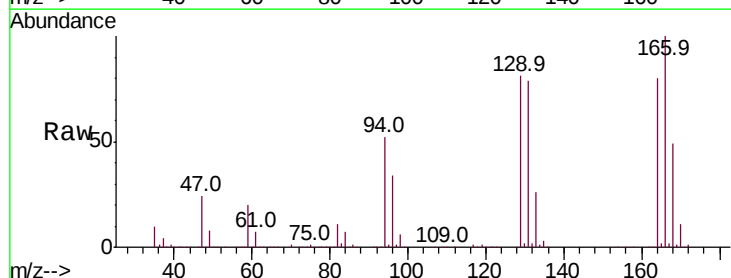
Ion Ratio Lower Upper

164 100

166 124.6 99.3 148.9

129 101.1 79.3 118.9

131 98.4 76.5 114.7



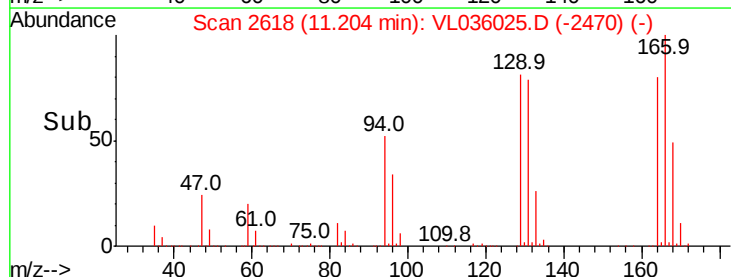
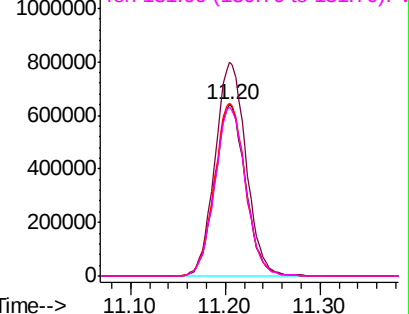
Abundance

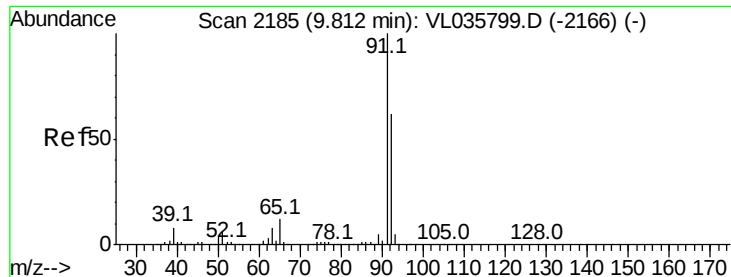
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.425 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4167290

Ion Ratio Lower Upper

91 100

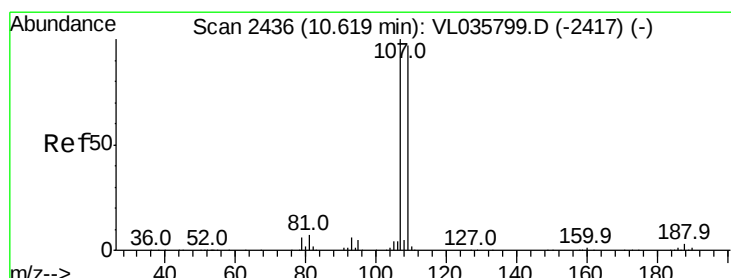
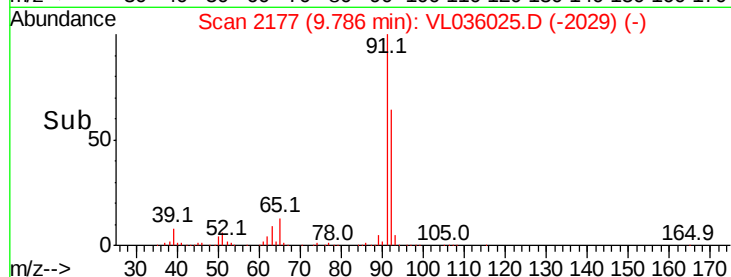
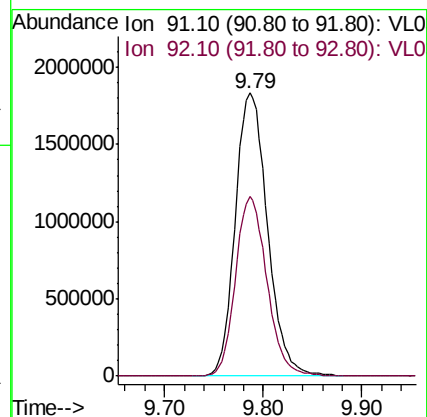
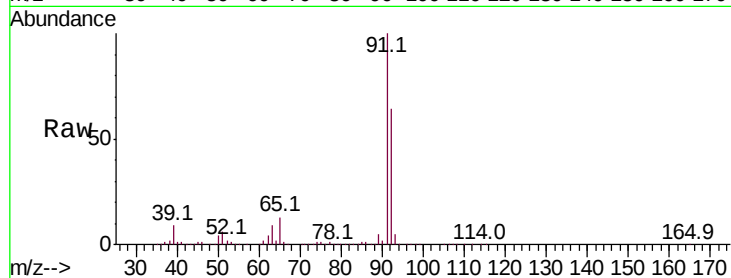
92 62.0 49.8 74.6

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#54

1,2-Dibromoethane

Concen: 9.492 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.03 min

Lab File: VL036025.D

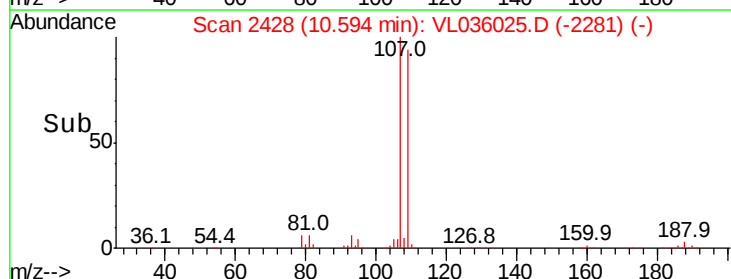
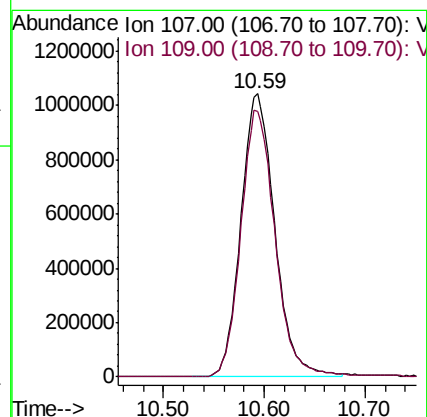
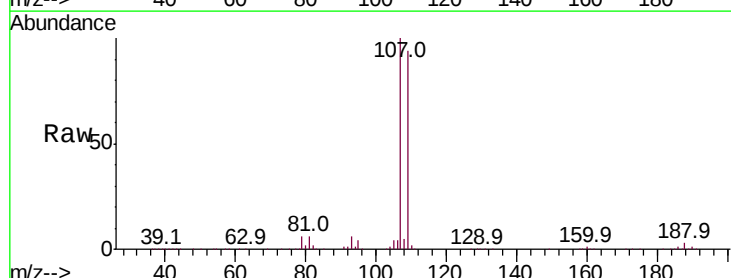
Acq: 25 Nov 2020 11:09

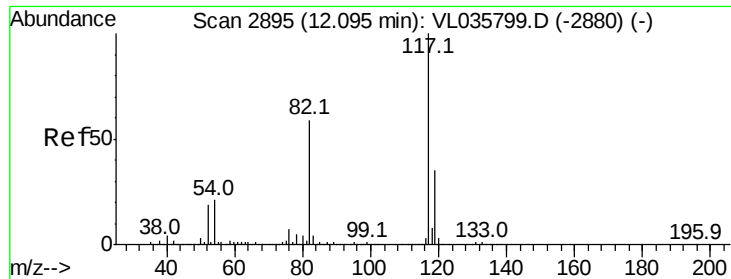
Tgt Ion: 107 Resp: 2426630

Ion Ratio Lower Upper

107 100

109 93.6 77.2 115.8





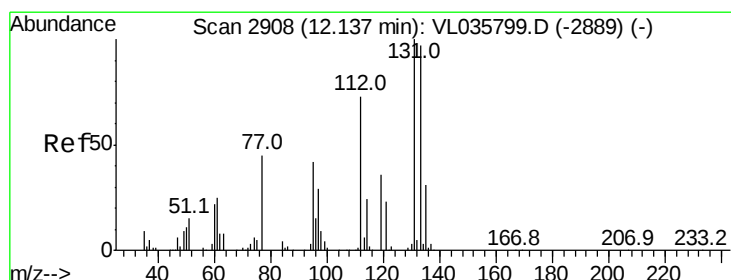
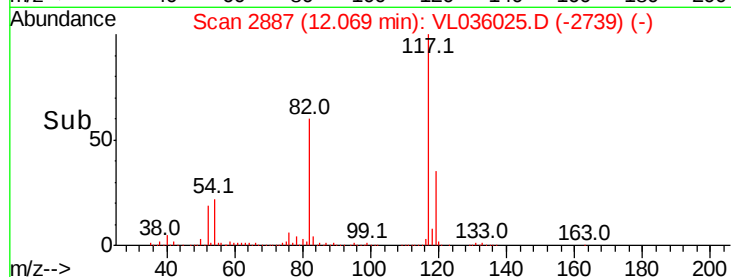
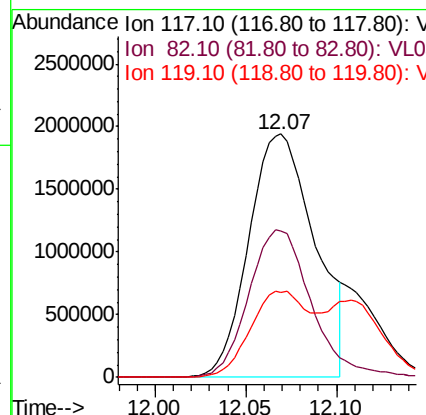
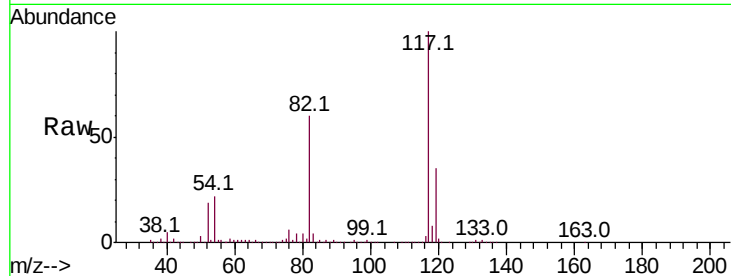
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2887
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4891517
Ion Ratio Lower Upper
117 100
82 58.5 50.6 76.0
119 31.5 52.6 78.8#

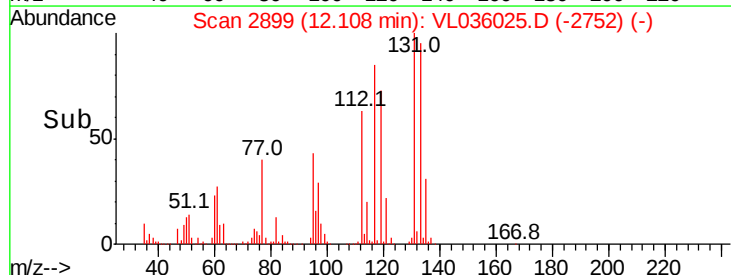
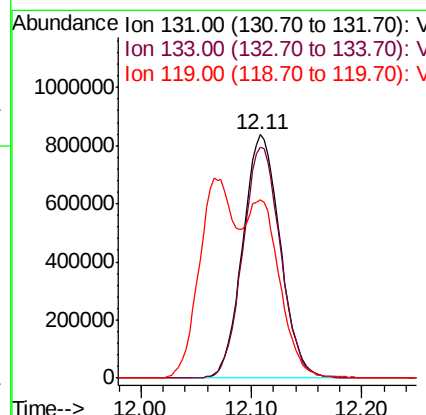
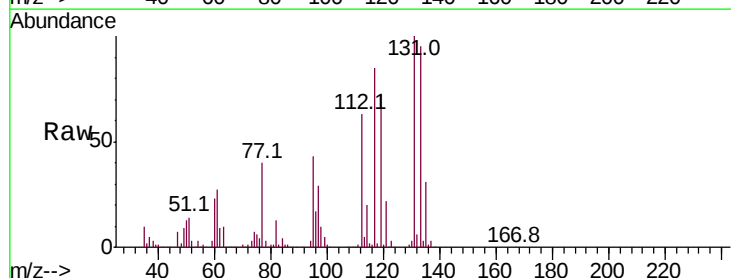
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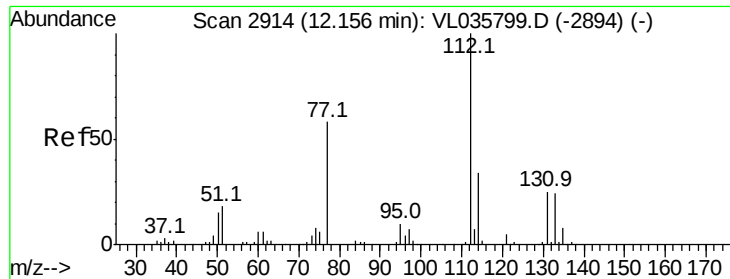
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.971 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion:131 Resp: 1969586
Ion Ratio Lower Upper
131 100
133 96.0 76.8 115.2
119 59.7 47.4 71.0





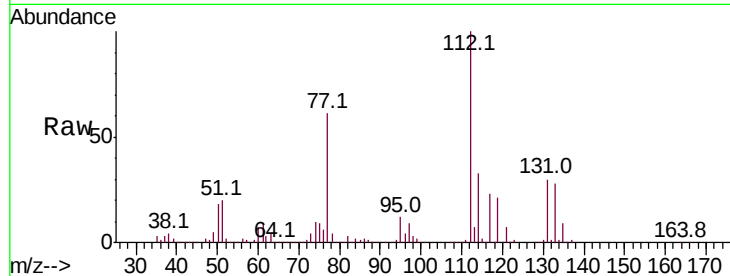
#57
Chlorobenzene
Concen: 8.640 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

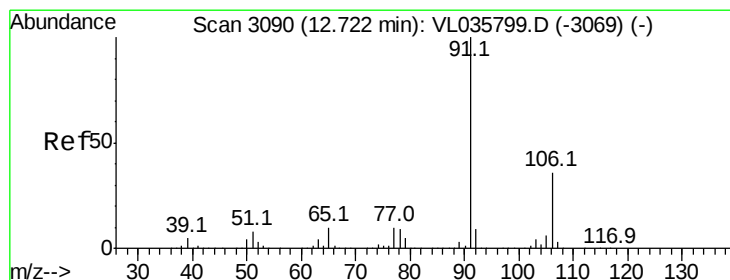
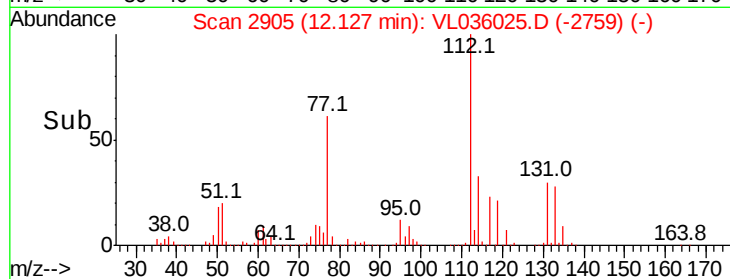
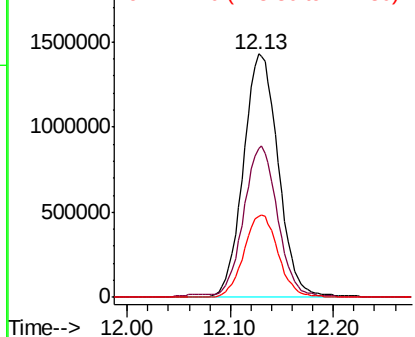
Tot Ion:112 Resp: 3360225
Ion Ratio Lower Upper
112 100
77 60.8 47.5 71.3
114 33.5 30.3 37.1

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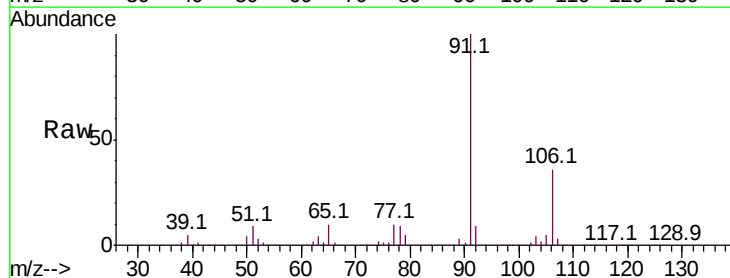


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

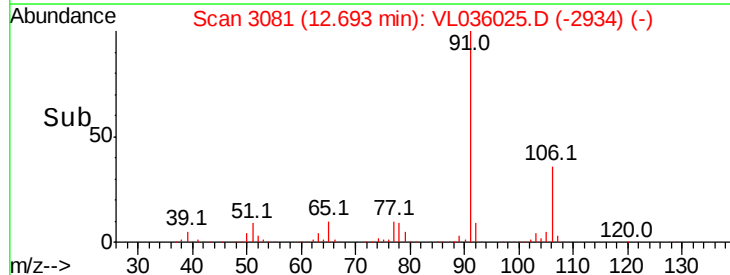
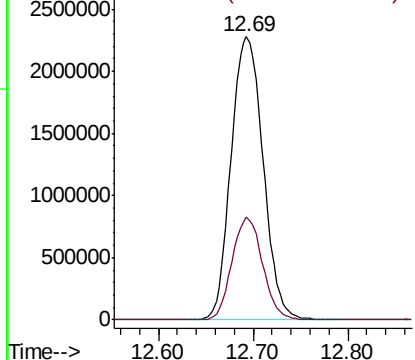


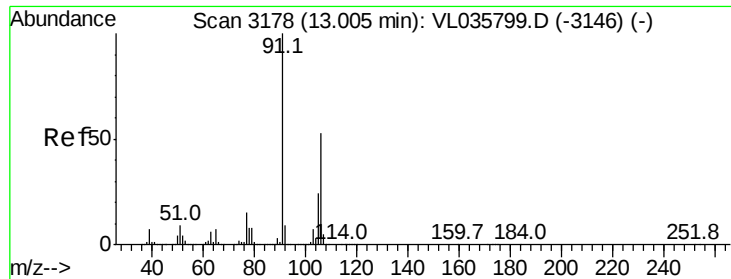
#58
Ethyl Benzene
Concen: 9.021 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 91 Resp: 5374189
Ion Ratio Lower Upper
91 100
106 36.2 28.6 43.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





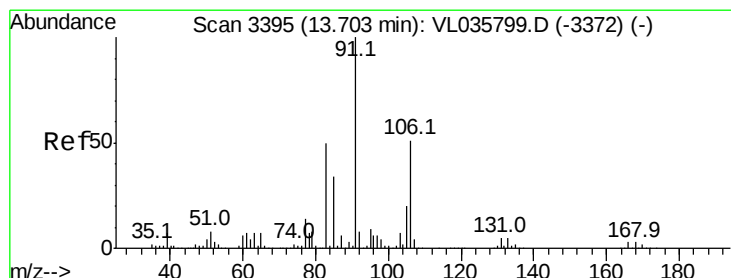
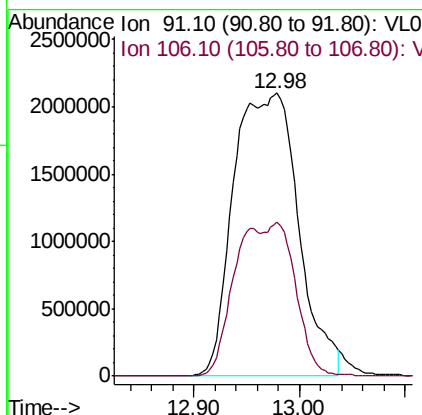
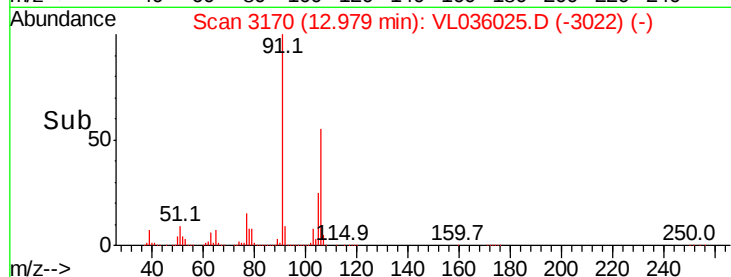
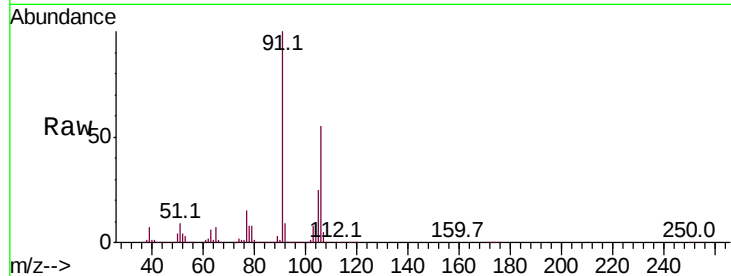
#59
m/p-Xylene
Concen: 17.776 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8959875
Ion Ratio Lower Upper
91 100
106 50.6 39.5 59.3

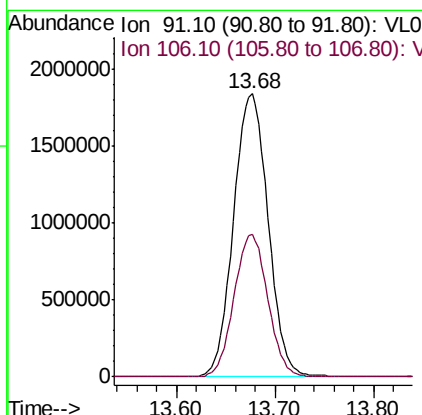
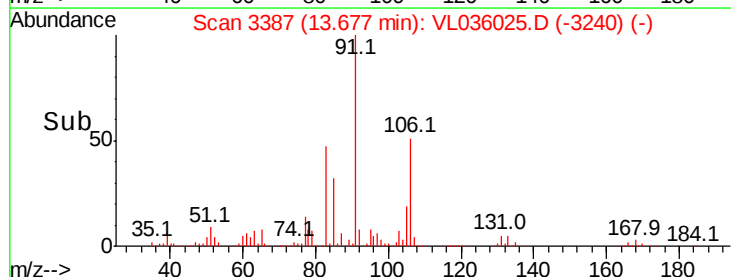
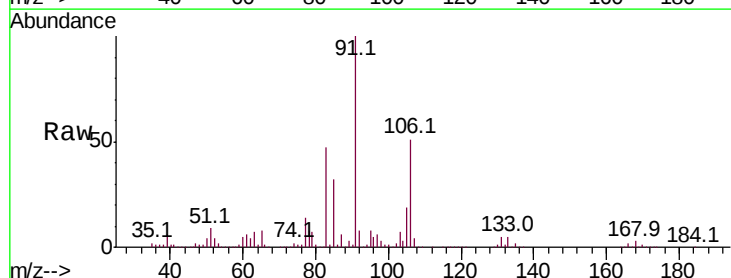
Manual Integrations
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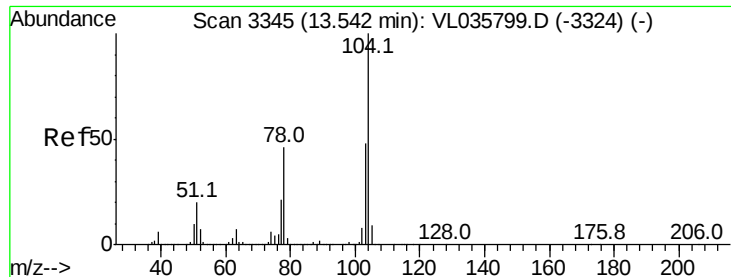
MMDadoda
11/27/2020 1:17:23 PM



#60
o-Xylene
Concen: 9.118 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 91 Resp: 4470815
Ion Ratio Lower Upper
91 100
106 49.3 24.8 74.4





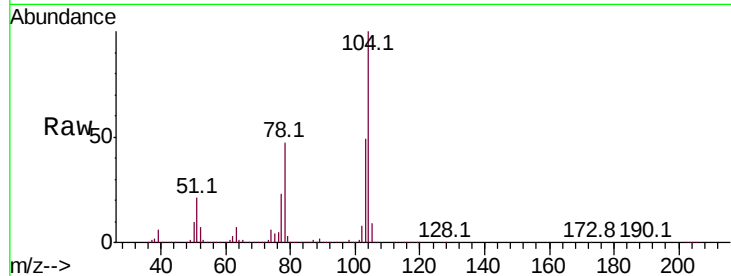
#61
Stvrene
Concen: 9.479 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

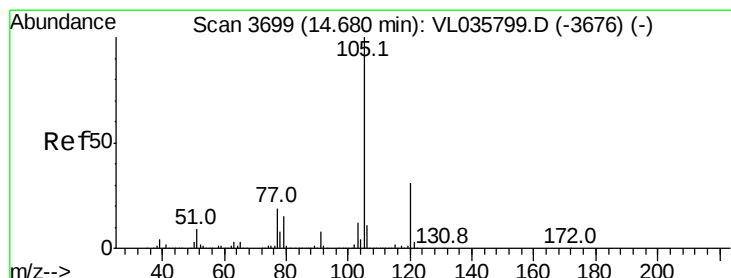
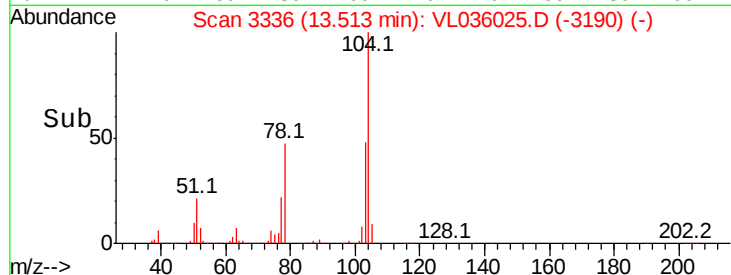
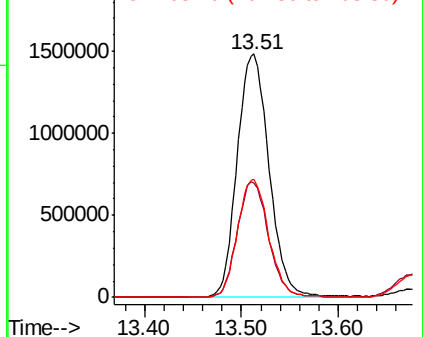
Tot Ion	Ratio	Lower	Upper
104	100		
78	46.7	37.1	55.7
103	47.8	37.9	56.9

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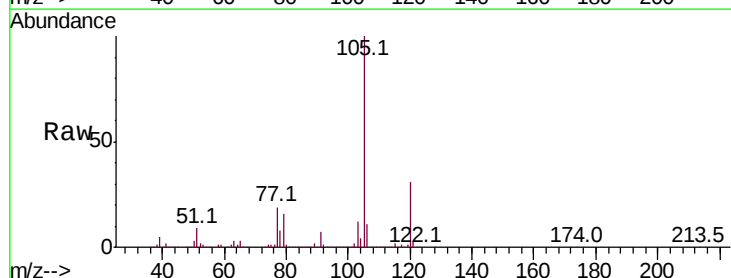


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

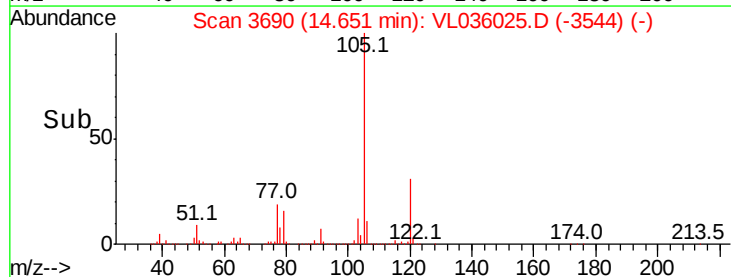
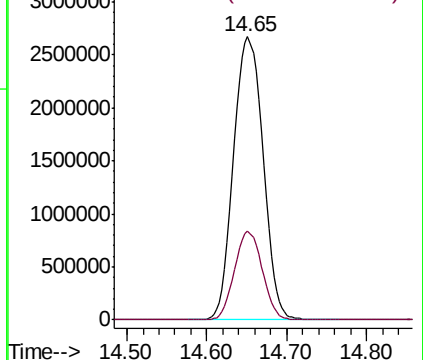


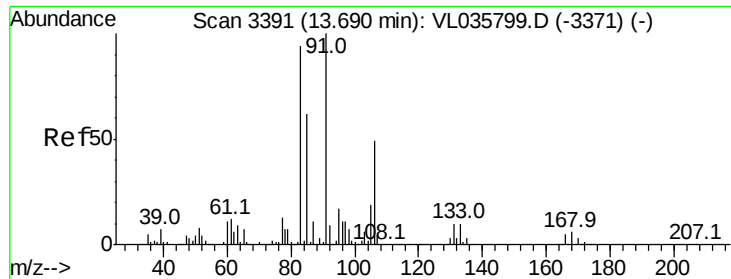
#62
Isopropylbenzene
Concen: 8.667 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.3	23.5	35.3



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





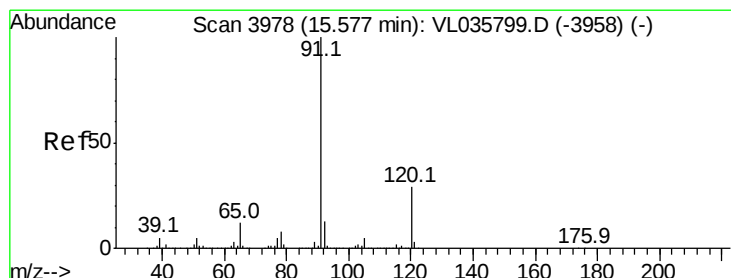
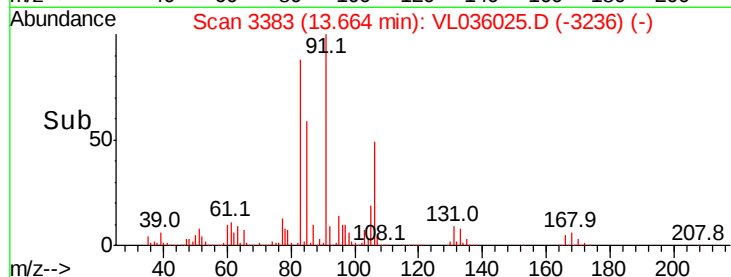
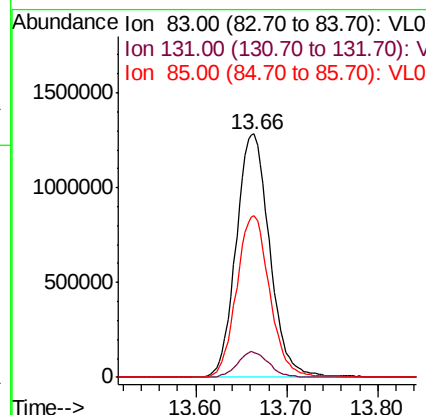
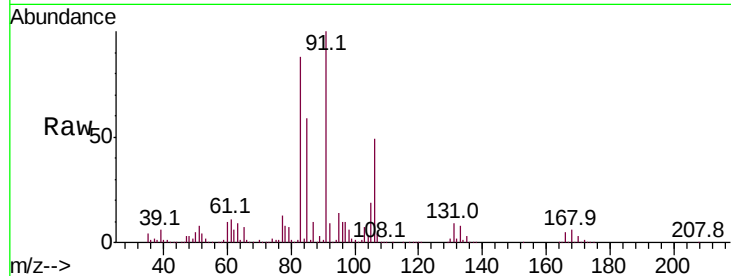
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.615 ppbv
 RT: 13.66 min Scan# 3383
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 3272957
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.3 15.8
 85 66.6 33.5 100.4

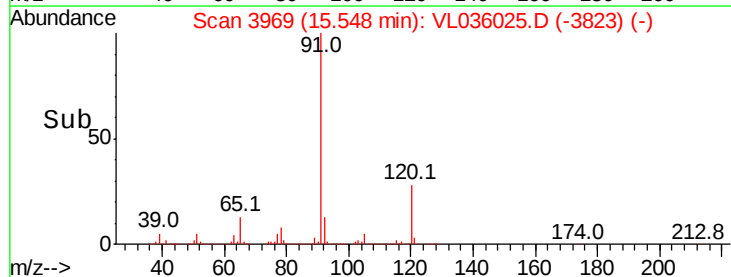
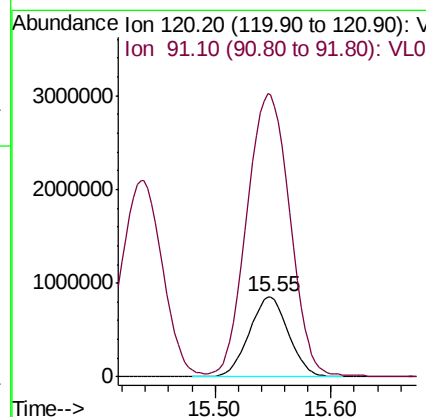
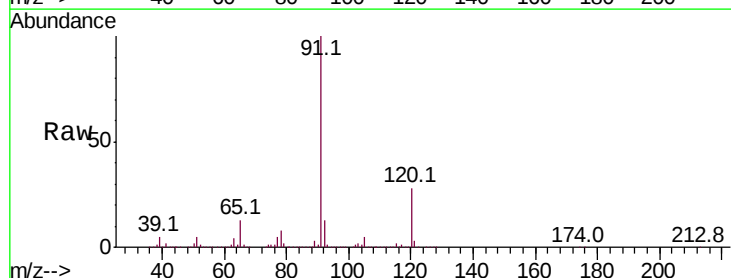
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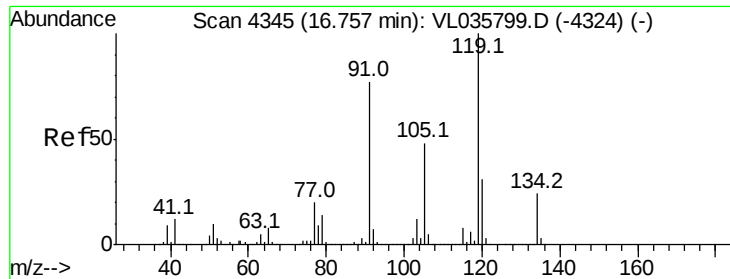
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#64
 n-propylbenzene
 Concen: 9.010 ppbv
 RT: 15.55 min Scan# 3969
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion:120 Resp: 2007009
 Ion Ratio Lower Upper
 120 100
 91 390.4 311.1 466.7





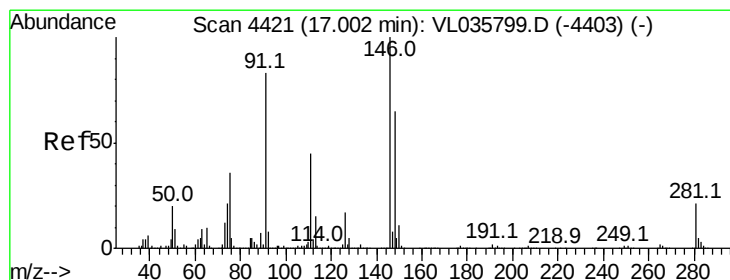
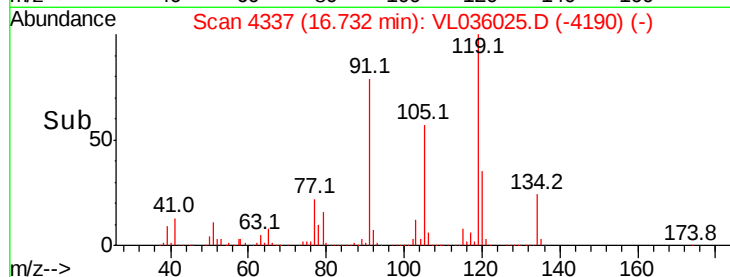
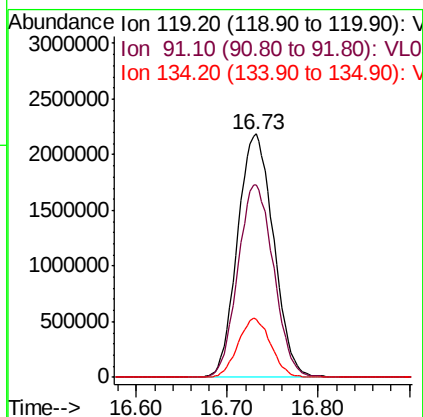
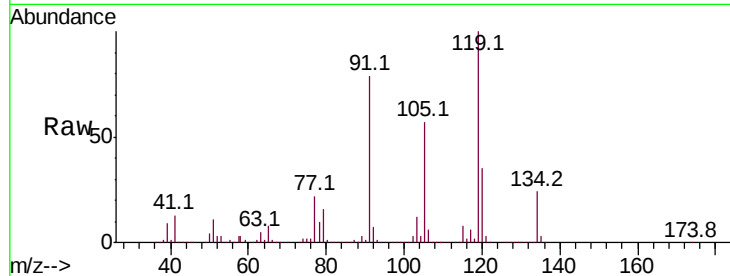
#65
tert-Butylbenzene
Concen: 8.581 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 6019480
Ion Ratio Lower Upper
119 100
91 78.4 62.0 93.0
134 22.0 17.8 26.8

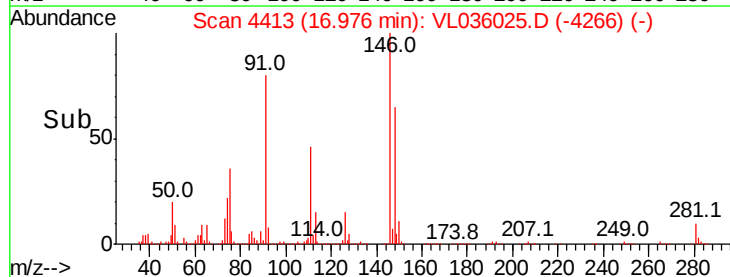
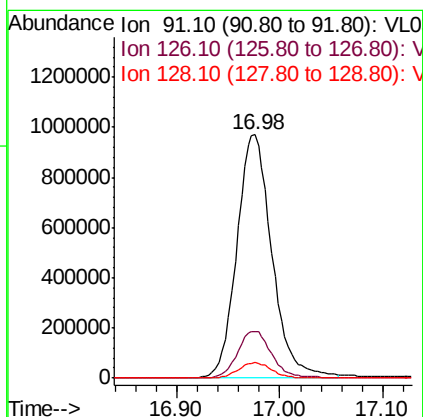
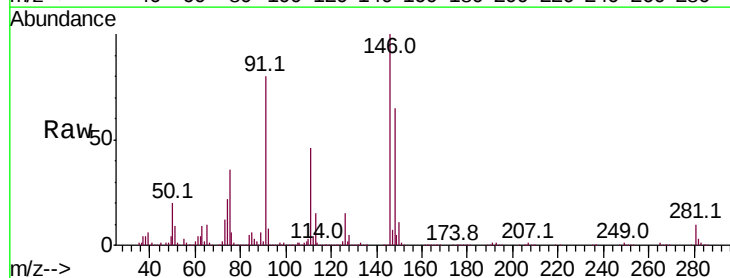
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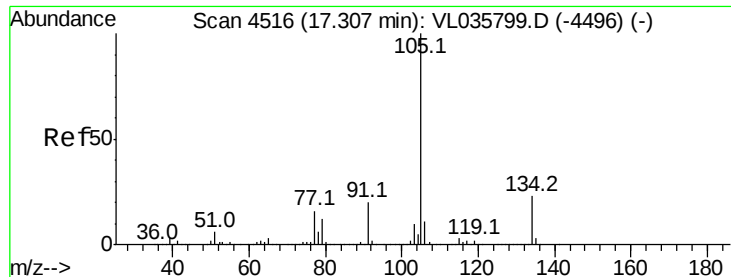
MMDadoda
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#66
Benzyl Chloride
Concen: 9.873 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. -0.03 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion: 91 Resp: 2289143
Ion Ratio Lower Upper
91 100
126 19.1 16.0 24.0
128 6.2 5.0 7.4





#67

sec-Butylbenzene

Concen: 8.624 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 8152447

Ion Ratio Lower Upper

105 100

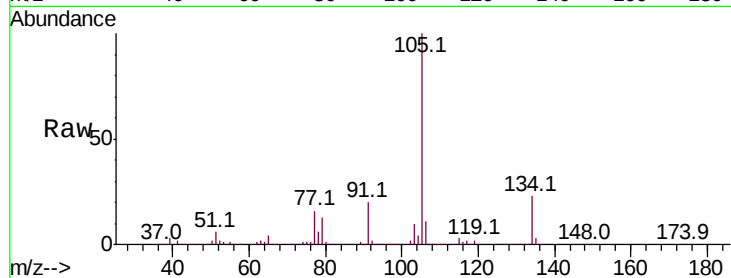
134 21.0 17.0 25.6

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.28

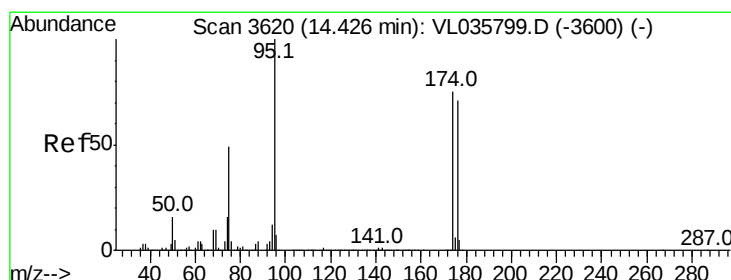
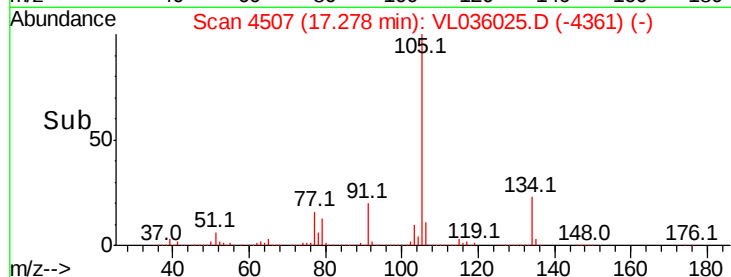
3000000

2000000

1000000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.471 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

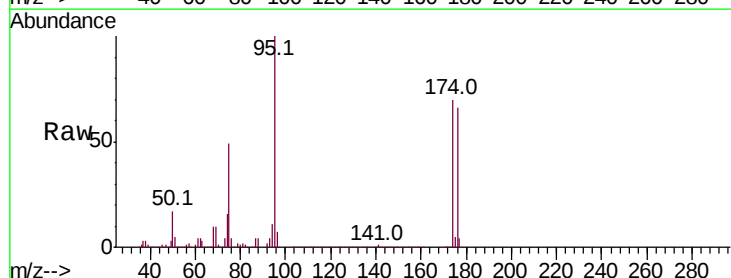
Tgt Ion: 95 Resp: 3638838

Ion Ratio Lower Upper

95 100

174 70.4 59.8 89.6

175 5.0 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

2000000

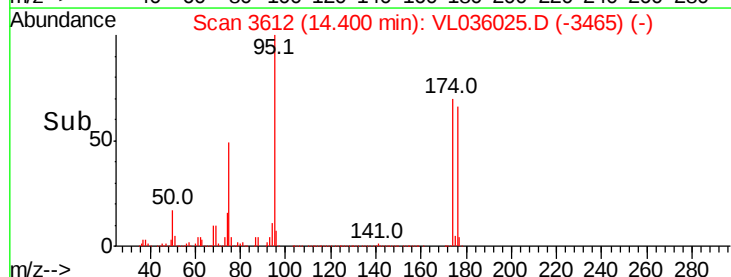
1500000

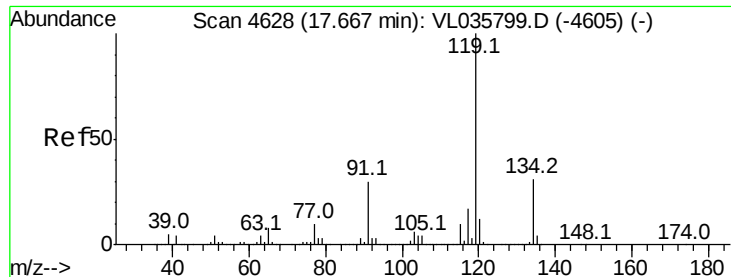
1000000

500000

0

Time-->





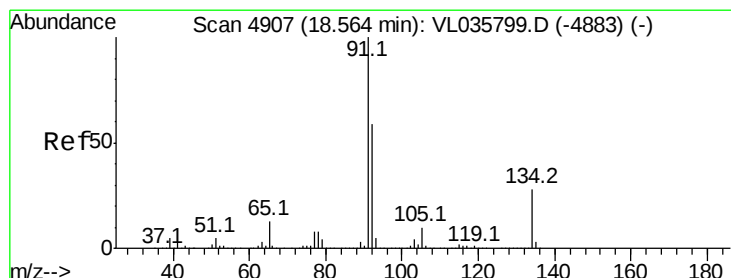
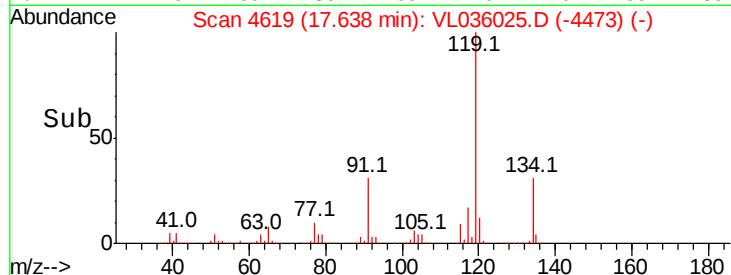
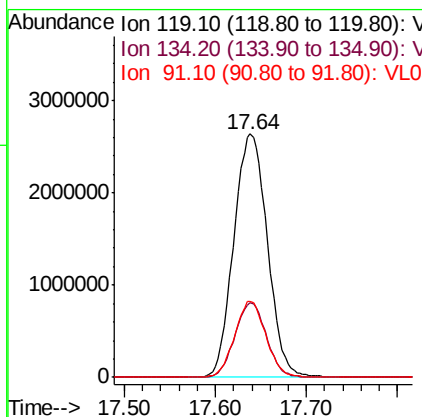
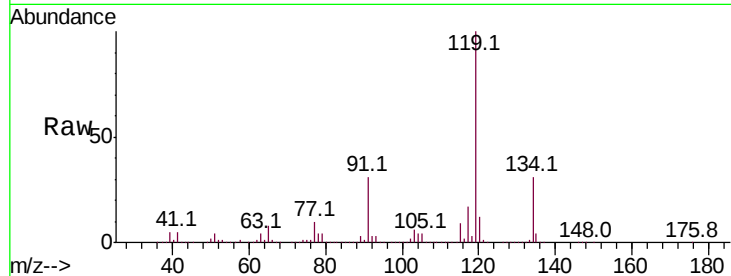
#69
 p-Isopropyltoluene
 Concen: 8.681 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Tot Ion:119 Resp: 6772133
 Ion Ratio Lower Upper
 119 100
 134 28.8 23.0 34.6
 91 28.9 22.8 34.2

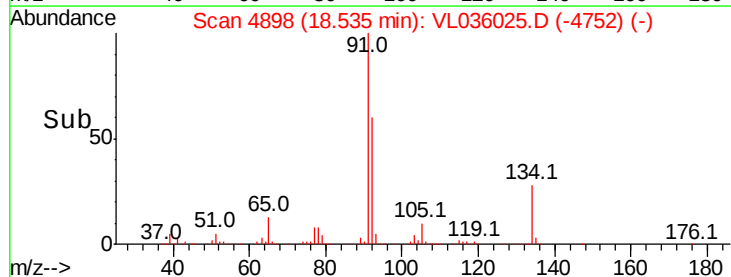
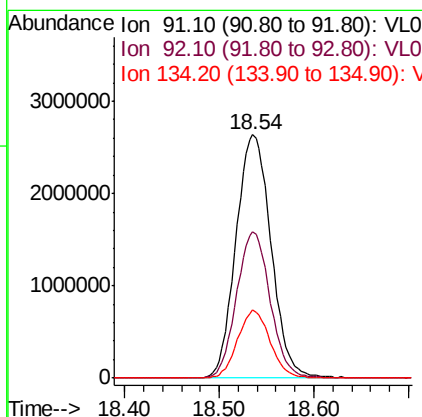
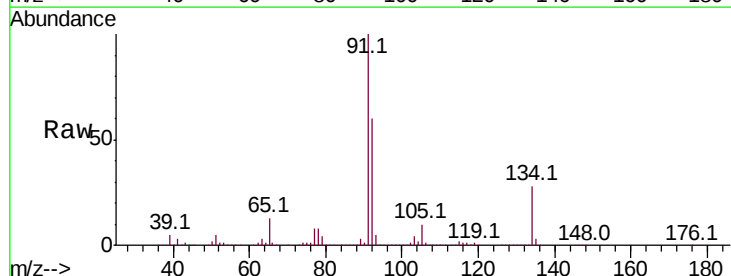
Manual Integrations
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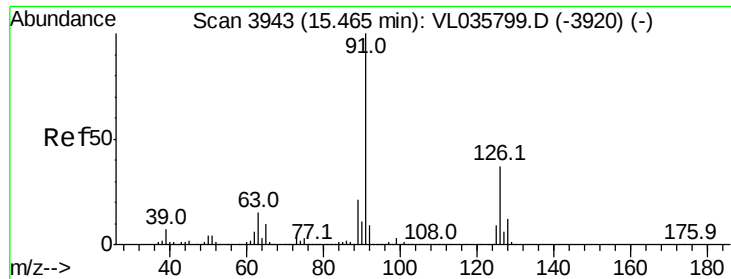
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#70
 n-Butylbenzene
 Concen: 9.049 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion: 91 Resp: 6797847
 Ion Ratio Lower Upper
 91 100
 92 57.9 45.7 68.5
 134 26.0 21.0 31.4





#71

2-Chlorotoluene

Concen: 9.079 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 5117629

Ion Ratio Lower Upper

91 100

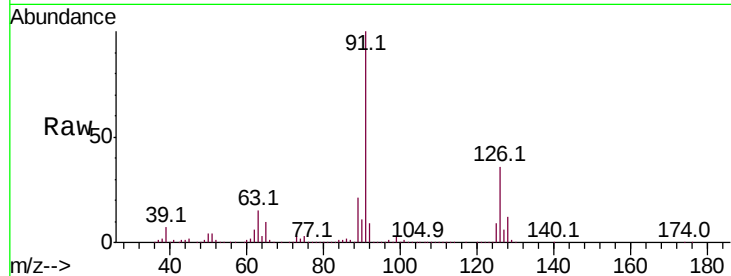
126 35.0 14.3 57.1

Manual Integrations

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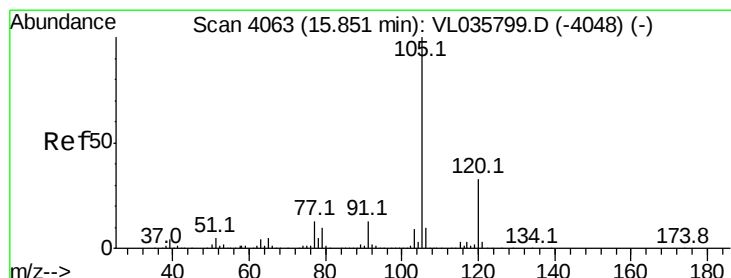
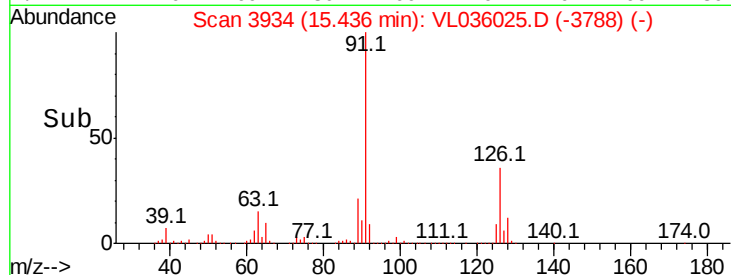
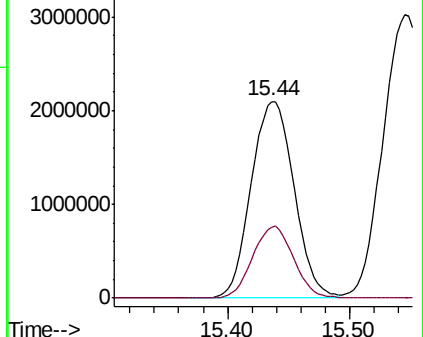
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.032 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion:105 Resp: 5370935

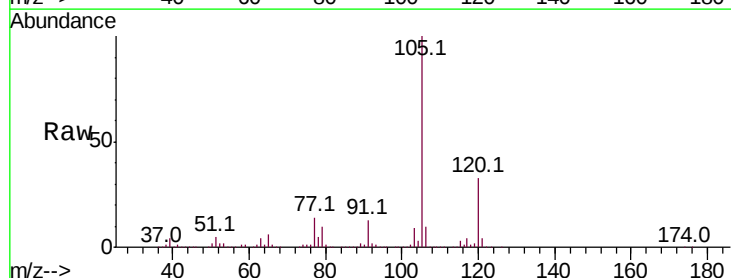
Ion Ratio Lower Upper

105 100

120 33.4 25.9 38.9

91 12.5 9.9 14.9

77 13.0 10.2 15.2

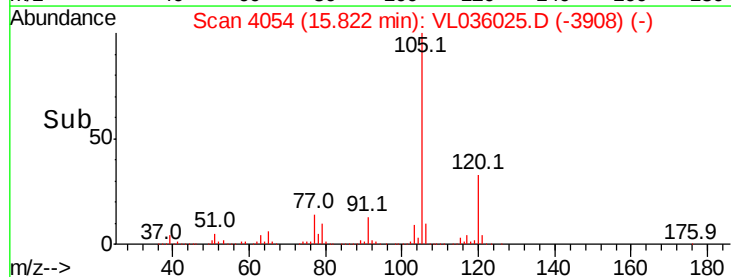
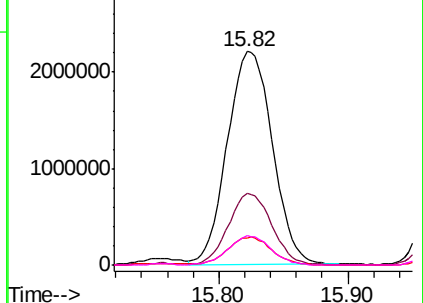


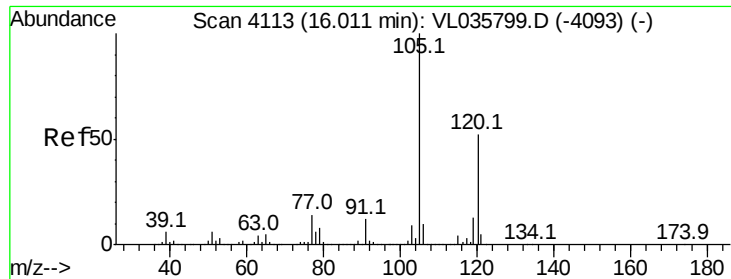
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.155 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4982248

Ion Ratio Lower Upper

105 100

120 51.5

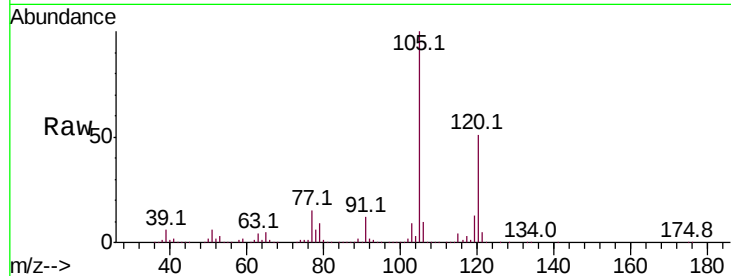
41.4 62.2

Manual Integrations

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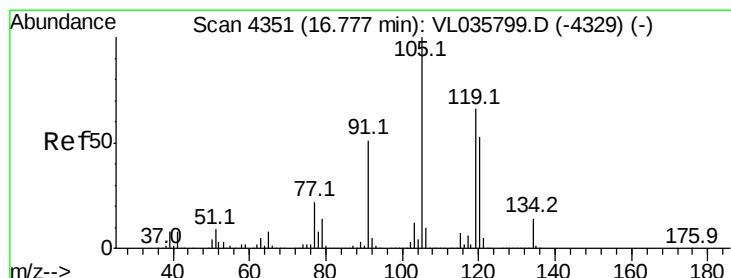
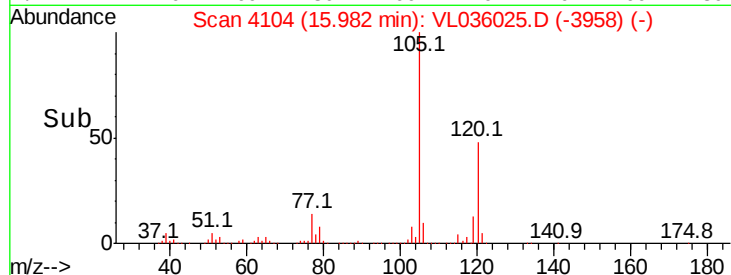
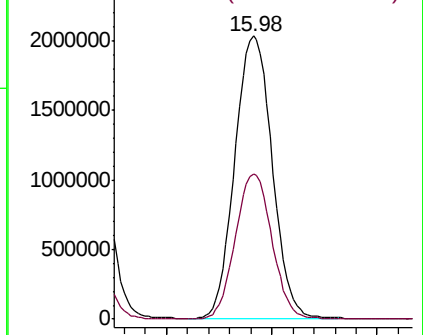
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.861 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Tgt Ion:105 Resp: 5167140

Ion Ratio Lower Upper

105 100

120 51.7

42.0 63.0

91 47.1

41.0 61.6

77 20.3

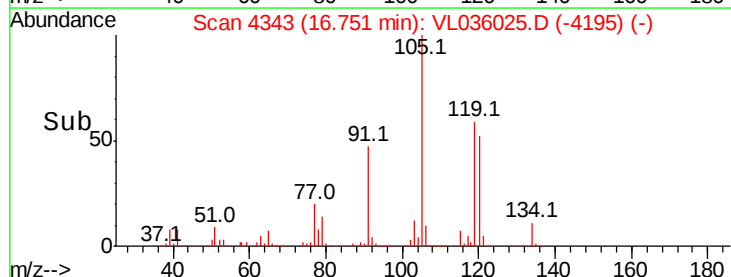
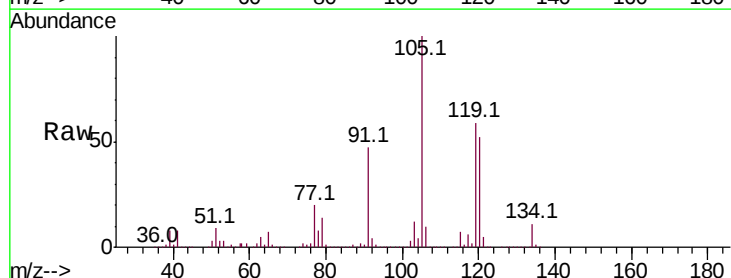
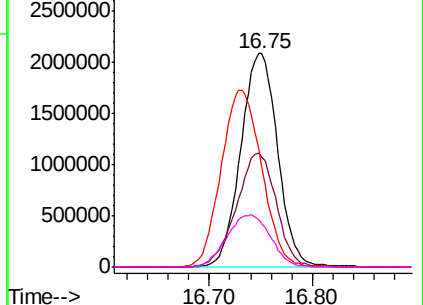
17.3 25.9

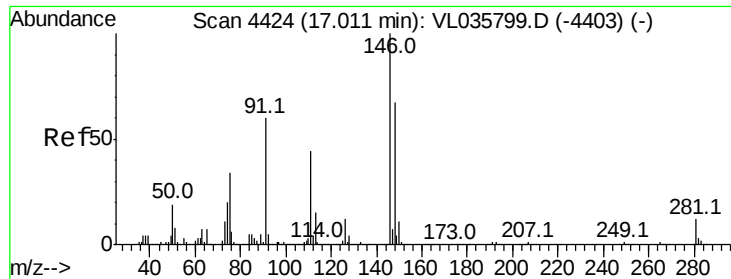
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.673 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3220225

Ion Ratio Lower Upper

146 100

111 44.6 21.8 65.4

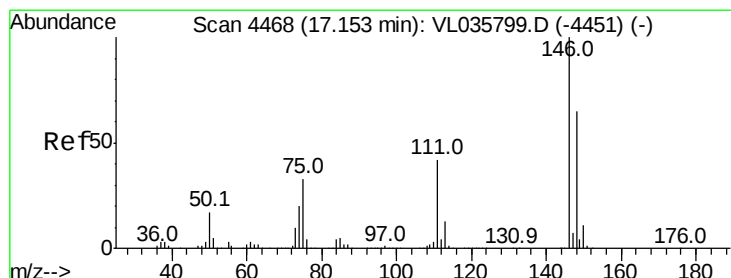
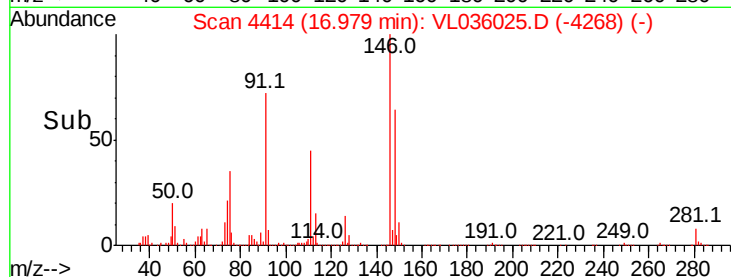
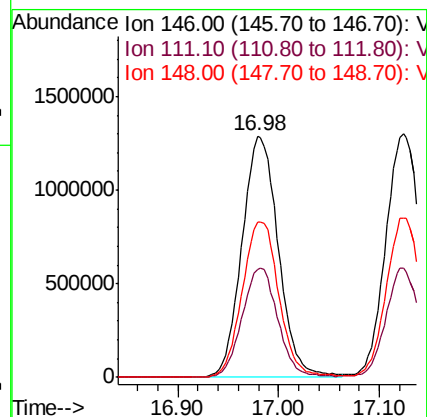
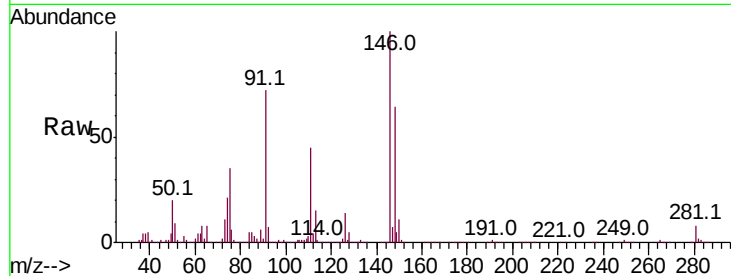
148 65.1 32.5 97.5

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#76

1,4-Dichlorobenzene

Concen: 8.906 ppbv

RT: 17.12 min Scan# 4459

Delta R.T. -0.03 min

Lab File: VL036025.D

Acq: 25 Nov 2020 11:09

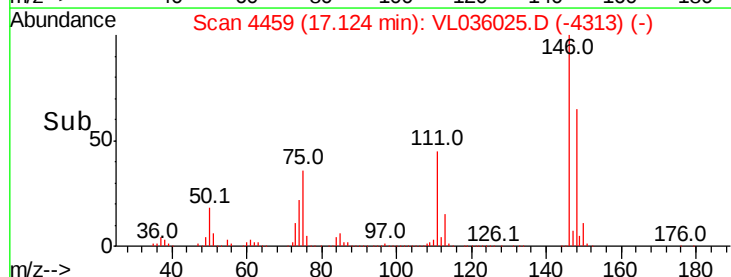
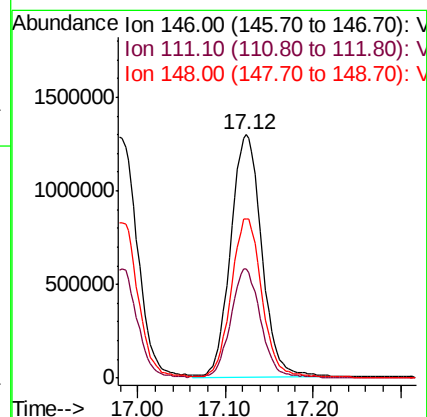
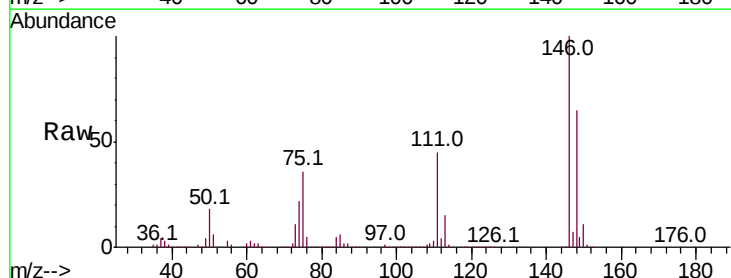
Tgt Ion:146 Resp: 3190043

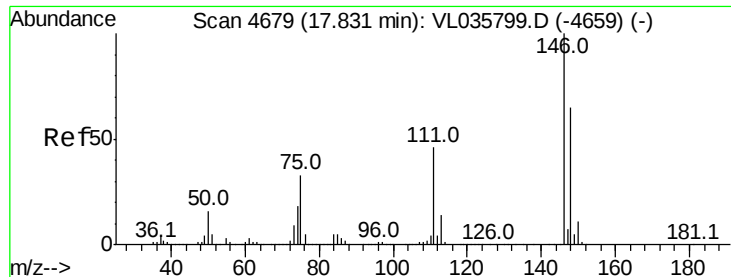
Ion Ratio Lower Upper

146 100

111 43.9 21.3 63.7

148 65.6 33.0 99.0





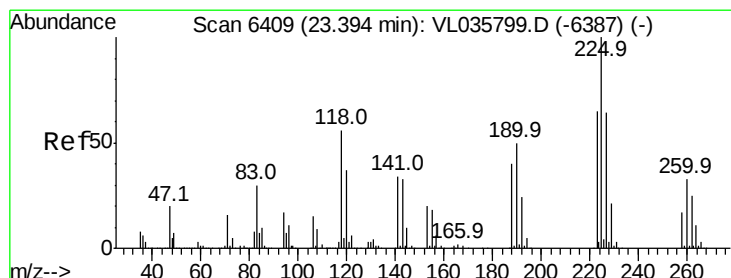
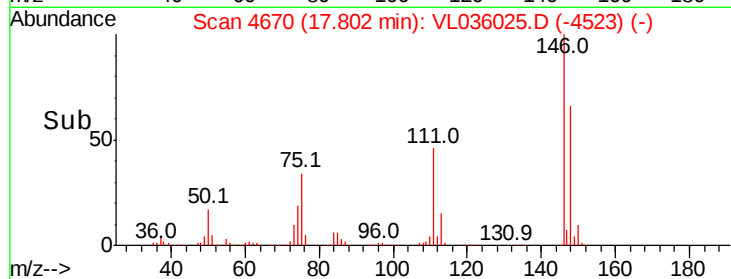
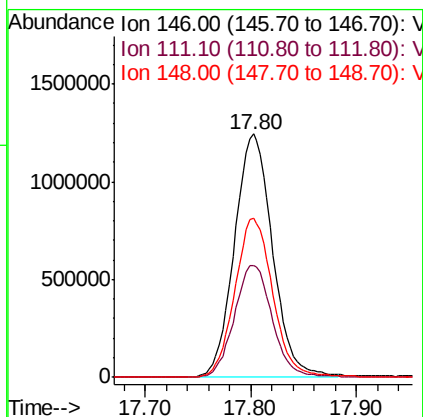
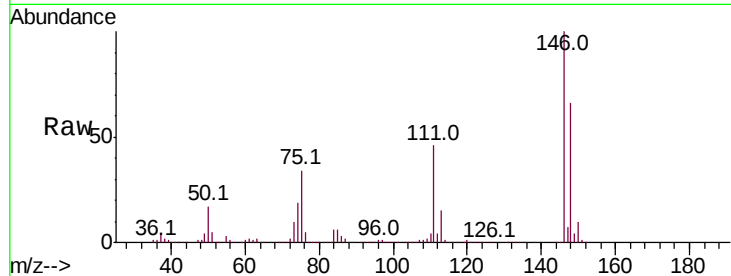
#77
 1,2-Dichlorobenzene
 Concen: 8.598 ppbv
 RT: 17.80 min Scan# 4679
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.4	67.0
148	65.3	32.5	97.5

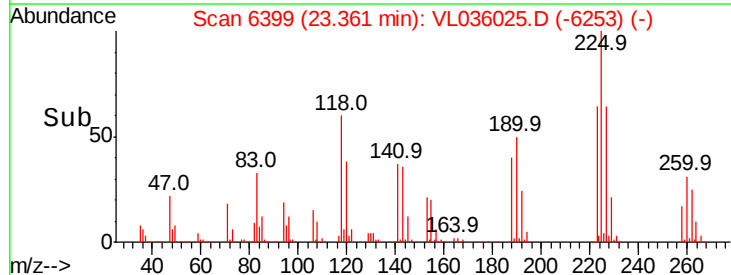
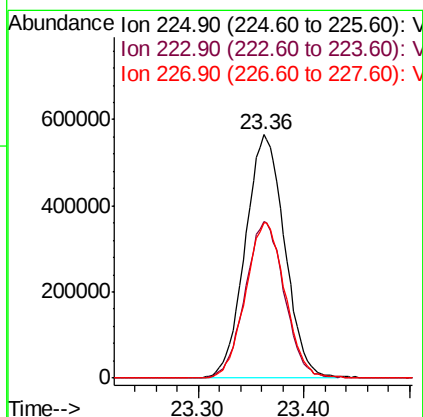
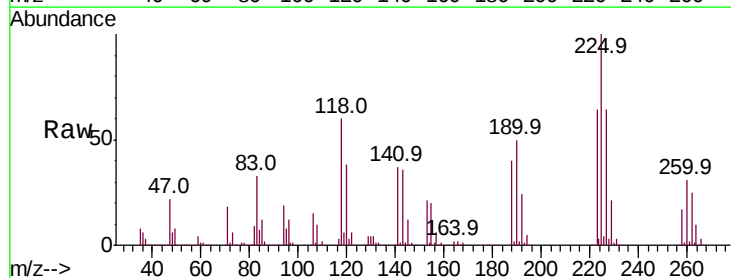
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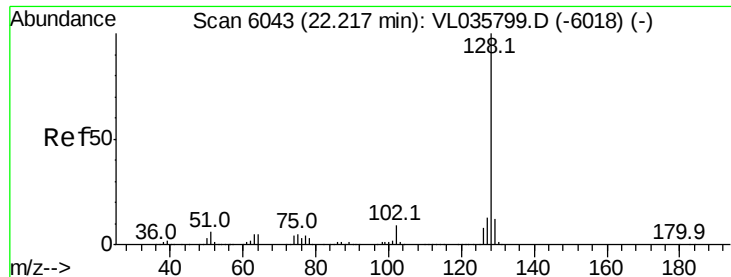
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.680 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. -0.03 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	51.0	76.6
227	64.2	51.2	76.8





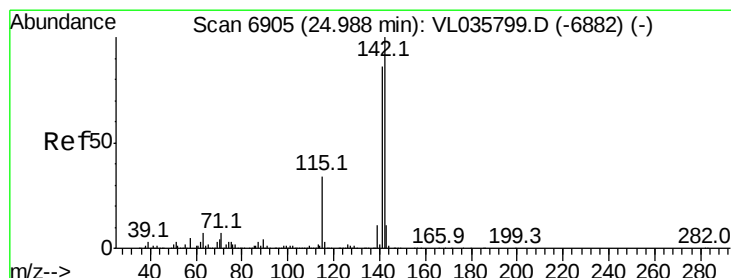
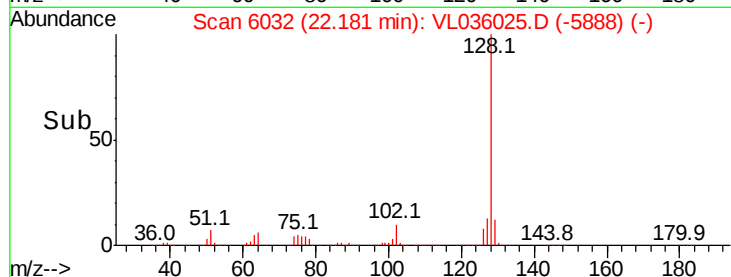
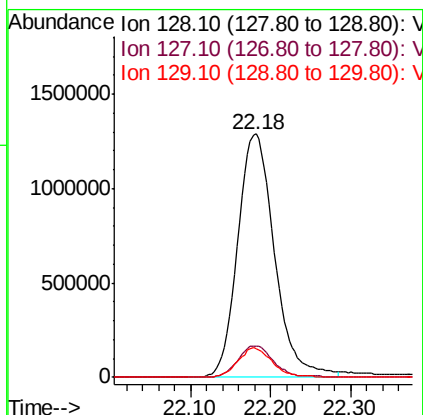
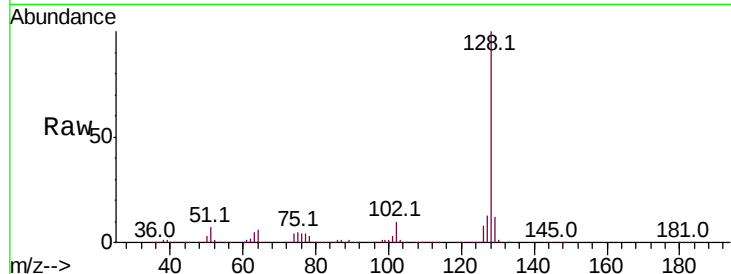
#79
Naphthalene
Concen: 9.900 ppbv
RT: 22.18 min Scan# 6032
Delta R.T. -0.04 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.7	9.2	13.8

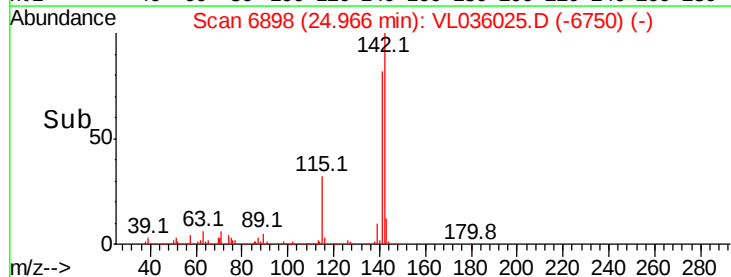
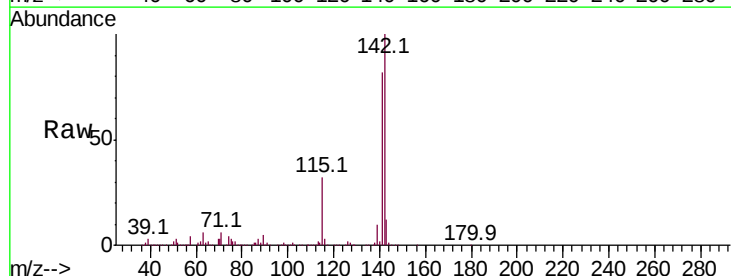
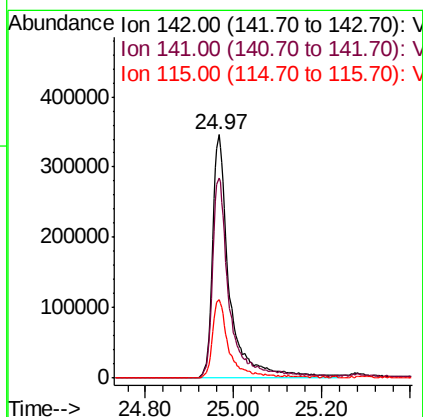
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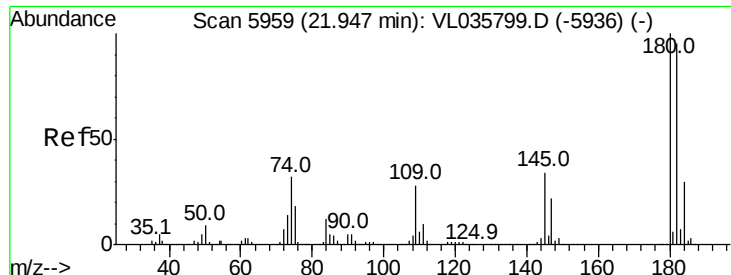
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#80
Naphthalene, 2-methyl-
Concen: 13.956 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.02 min
Lab File: VL036025.D
Acq: 25 Nov 2020 11:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.8	67.8	101.8
115	31.8	28.1	42.1





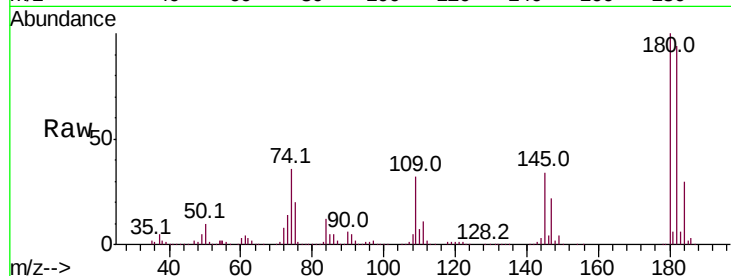
#81
 1,2,4-Trichlorobenzene
 Concen: 8.677 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. -0.04 min
 Lab File: VL036025.D
 Acq: 25 Nov 2020 11:09

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.2	77.2	115.8
184	32.0	24.7	37.1

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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

