

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111620\
 Data File : VL035941.D
 Acq On : 16 Nov 2020 12:43
 Operator : SY/AP
 Sample : VL1116ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1116ABS01

Manual Integrations
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 11/18/2020 9:06:26 AM

Quant Time: Nov 17 09:50:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 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	5.67	49	1259944	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4567298	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4640313m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3442217	10.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1899610	8.008	ppbv	100
3) Chlorodifluoromethane	2.98	51	1372701	9.098	ppbv	100
4) Chloromethane	3.13	50	689728	9.410	ppbv	99
5) Vinyl Chloride	3.25	62	844441	9.038	ppbv	99
6) Bromomethane	3.47	94	682762	9.086	ppbv	98
7) Chloroethane	3.55	64	311251	9.465	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2452286	9.033	ppbv	95
9) Propene	3.01	41	511084	9.255	ppbv	99
10) Heptane	8.13	43	1523450	9.988	ppbv	98
11) Trichlorofluoromethane	3.95	101	2863058	9.612	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	2115410	9.539	ppbv	98
13) Ethanol	3.60	45	93902	7.838	ppbv	96
14) Bromoethene	3.74	108	891934	8.739	ppbv	99
15) Acetone	3.85	43	1205159	8.947	ppbv	99
16) 1,3-Butadiene	3.32	39	534509	9.217	ppbv	100
17) tert-Butyl alcohol	4.29	59	1628919	9.125	ppbv	99
18) 1,1-Dichloroethene	4.29	96	950745	9.337	ppbv	95
19) Isopropyl Alcohol	3.97	45	743118	8.977	ppbv #	96
20) Methylene Chloride	4.34	84	769619	8.116	ppbv	99
21) Allyl Chloride	4.41	41	705770	9.689	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	969762	9.395	ppbv	98
23) Vinyl Acetate	5.08	43	1618779	8.573	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1670634	9.287	ppbv	99
25) Ethyl Acetate	5.68	43	2534064	9.550	ppbv	99
26) Hexane	5.69	57	1324785	9.053	ppbv	97
27) Carbon Disulfide	4.55	76	2095415	9.556	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	2242121	8.532	ppbv	100
29) Chloroform	5.75	83	2602946	9.049	ppbv	97
30) Cyclohexane	7.13	84	1379914	8.657	ppbv	96
31) cis-1,2-Dichloroethene	5.55	61	1374762	9.132	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	2519501	8.394	ppbv	99
34) 2-Butanone	5.25	43	1614775	10.894	ppbv	97
35) Carbon Tetrachloride	7.02	117	2508760	10.281	ppbv	97
36) Benzene	6.90	78	3242598	9.550	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1644401	10.690	ppbv	98
38) Trichloroethene	7.84	130	1519540	9.162	ppbv	98
39) 1,2-Dichloropropane	7.62	63	1153333	10.089	ppbv	99
40) 1,4-Dioxane	7.83	88	518969	9.579	ppbv	87
41) Tetrahydrofuran	6.05	42	931456	11.061	ppbv	97
42) Bromodichloromethane	7.80	83	2668951	10.283	ppbv	99
43) Methyl Methacrylate	8.02	69	1353445	10.450	ppbv	95

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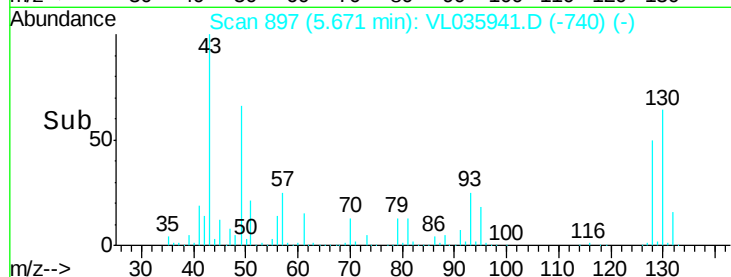
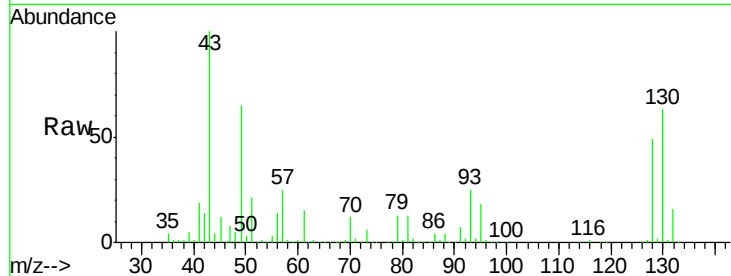
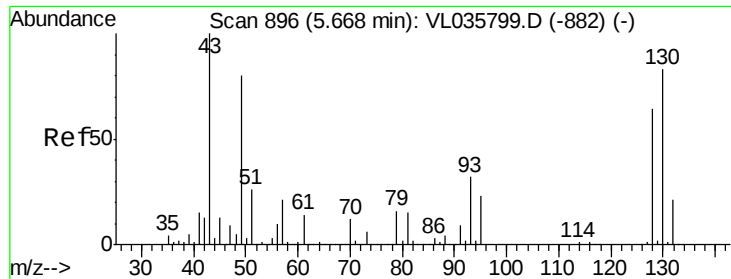
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Quant Time: Nov 17 09:50:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4563543	10.156	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	1444992	10.525	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1786517	10.275	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	1523964	9.784	ppbv	97
48) Dibromochloromethane	10.31	129	2479266	10.418	ppbv	99
49) Bromoform	13.05	173	2124569	10.580	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2555358	11.274	ppbv	98
51) 2-Hexanone	10.14	43	2119293	11.640	ppbv #	97
52) Tetrachloroethene	11.23	164	1380196	8.580	ppbv	98
53) Toluene	9.82	91	3950072	9.641	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2304706	9.729	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.14	131	1951730	9.371	ppbv	99
57) Chlorobenzene	12.16	112	3273692	8.873	ppbv	99
58) Ethyl Benzene	12.72	91	5205080	9.210	ppbv	98
59) m/p-Xylene	13.01	91	8966711m	18.753	ppbv	
60) o-Xylene	13.71	91	4435901	9.537	ppbv	99
61) Styrene	13.54	104	3276726	9.614	ppbv	98
62) Isopropylbenzene	14.68	105	6539338	8.945	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.69	83	3292672	9.136	ppbv	99
64) n-propylbenzene	15.57	120	1955356	9.253	ppbv	96
65) tert-Butylbenzene	16.76	119	6044873	9.084	ppbv	98
66) Benzyl Chloride	17.00	91	2294018	10.429	ppbv	98
67) sec-Butylbenzene	17.31	105	8188558	9.131	ppbv	99
69) p-Isopropyltoluene	17.67	119	6873743	9.288	ppbv	99
70) n-Butylbenzene	18.56	91	7085461	9.942	ppbv	99
71) 2-Chlorotoluene	15.46	91	5071076	9.483	ppbv	98
72) 4-Ethyltoluene	15.85	105	5313308	9.418	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	4983432	9.653	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	5281069	9.547	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3289449	9.339	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	3248545	9.561	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3198163	9.314	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1846814	11.528	ppbv	100
79) Naphthalene	22.21	128	4593739	11.912	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	847559	13.487	ppbv	97
81) 1,2,4-Trichlorobenzene	21.94	180	2341352	10.867	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Tot Ion: 49 Resp: 1259944

Ion Ratio Lower Upper

49 100

128 78.1 41.5 124.6

130 100.5 53.7 161.1

Instrument :

MSVOA_L

ClientSampleId :

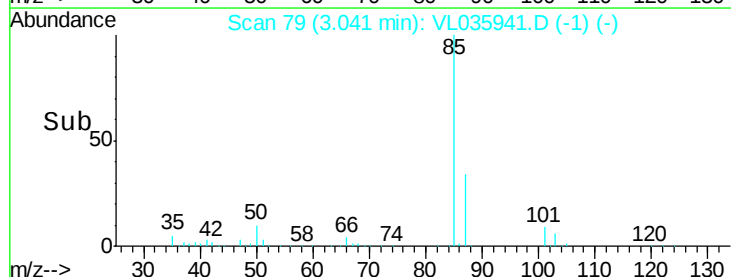
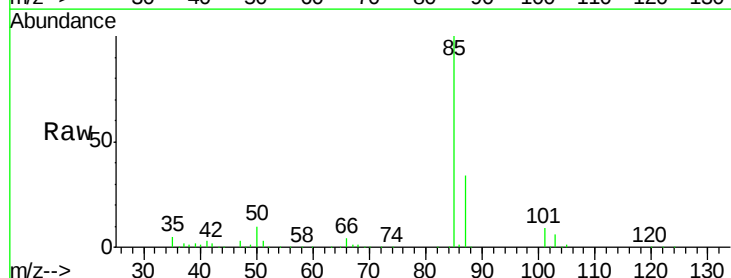
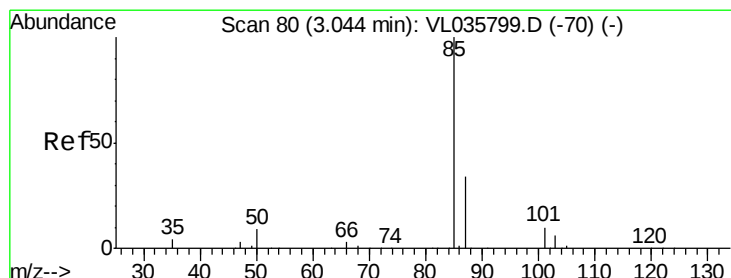
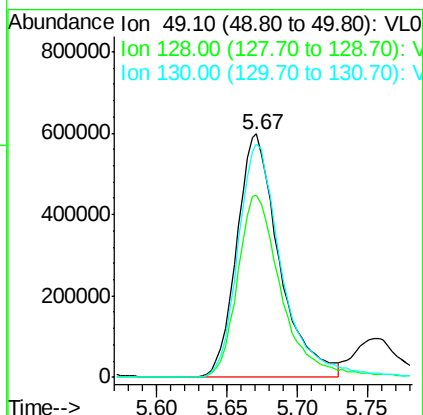
VL1116ABS01

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#2

Dichlorodifluoromethane

Concen: 8.008 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL035941.D

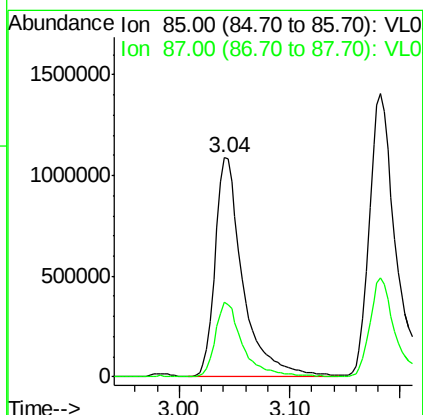
Acq: 16 Nov 2020 12:43

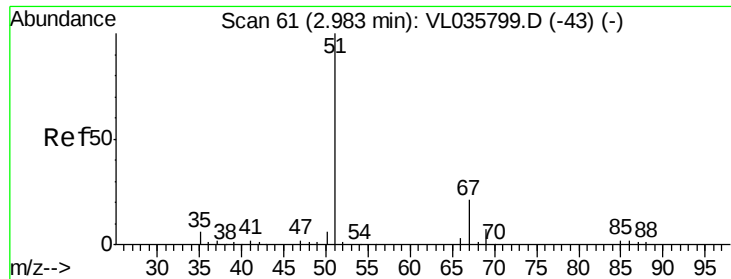
Tgt Ion: 85 Resp: 1899610

Ion Ratio Lower Upper

85 100

87 34.1 27.1 40.7





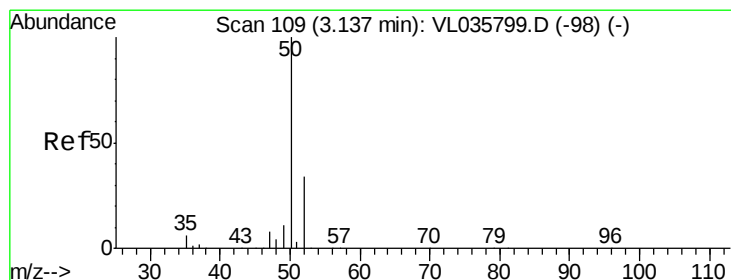
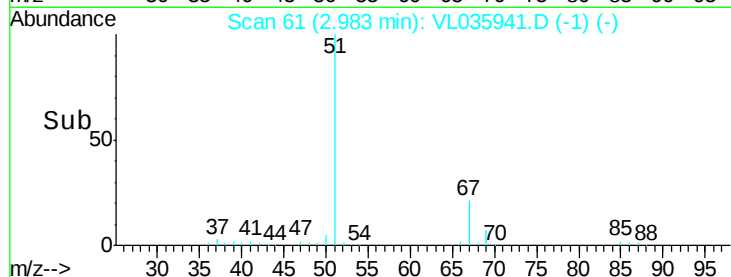
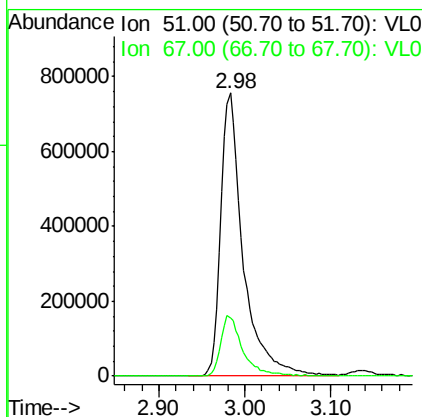
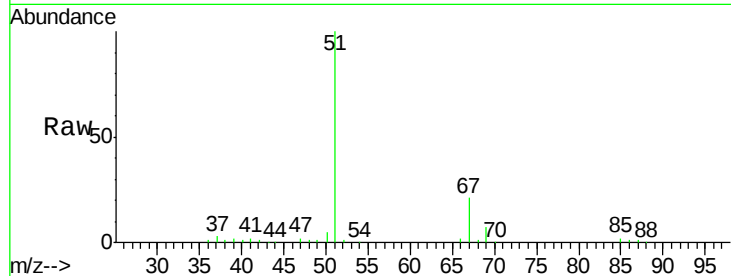
#3
Chlorodifluoromethane
Concen: 9.098 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

Tot Ion: 51 Resp: 1372701
Ion Ratio Lower Upper
51 100
67 21.4 17.0 25.4

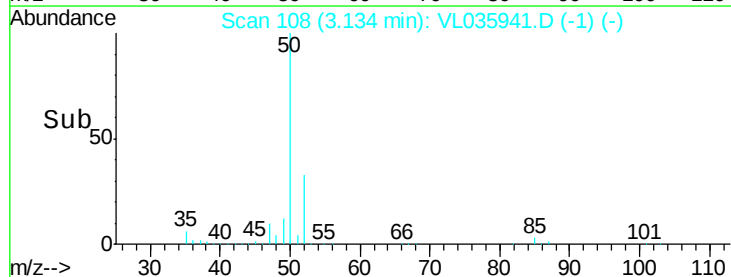
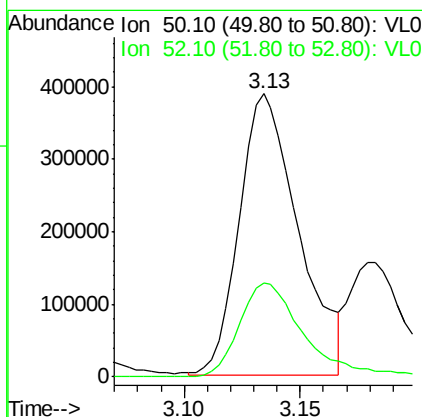
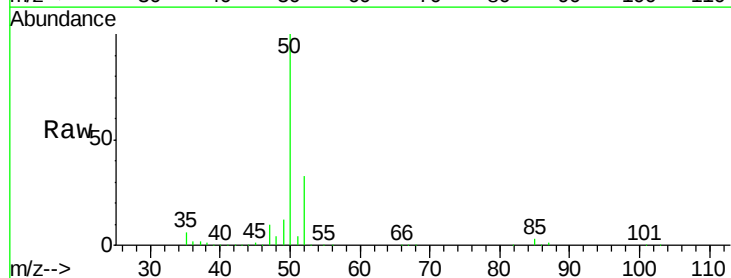
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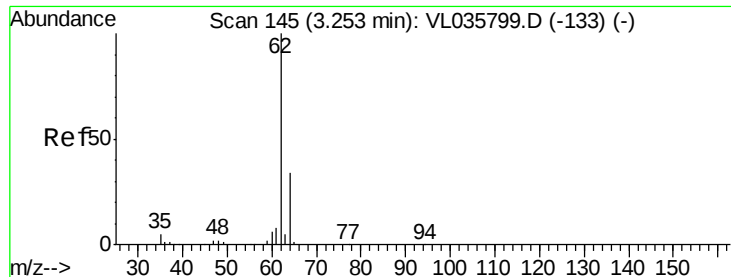
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#4
Chloromethane
Concen: 9.410 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion: 50 Resp: 689728
Ion Ratio Lower Upper
50 100
52 33.4 27.1 40.7





#5

Vinyl Chloride

Concen: 9.038 ppbv

RT: 3.25 min Scan# 145

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion: 62 Resp: 844441

Ion Ratio Lower Upper

62 100

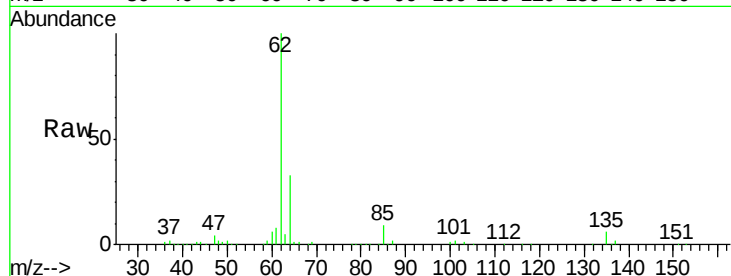
64 32.8 26.9 40.3

Manual Integrations

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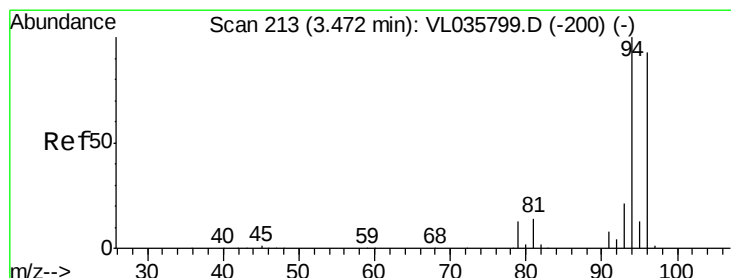
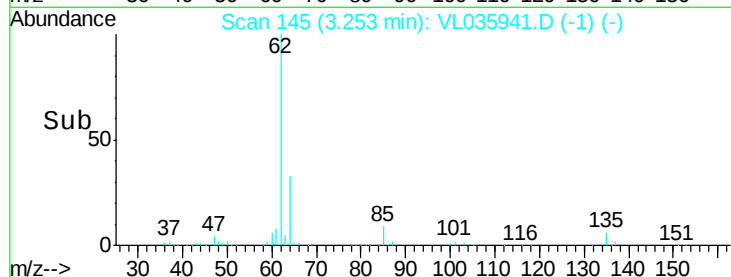
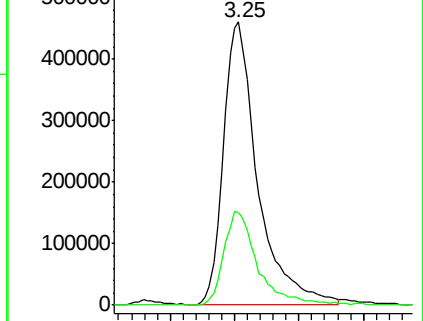
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.086 ppbv

RT: 3.47 min Scan# 212

Delta R.T. -0.00 min

Lab File: VL035941.D

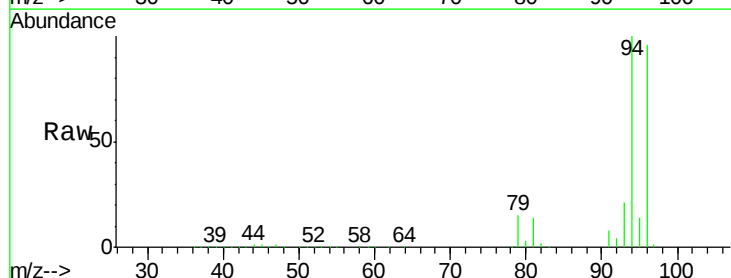
Acq: 16 Nov 2020 12:43

Tgt Ion: 94 Resp: 682762

Ion Ratio Lower Upper

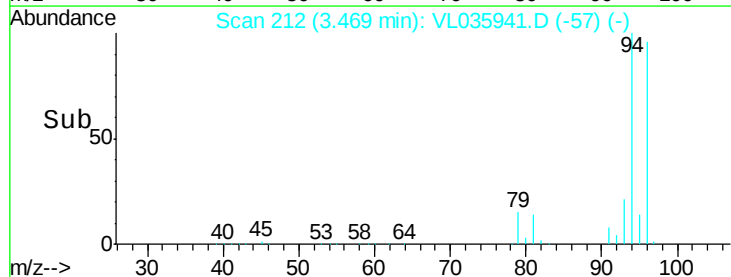
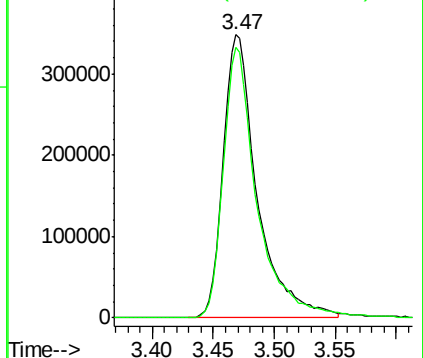
94 100

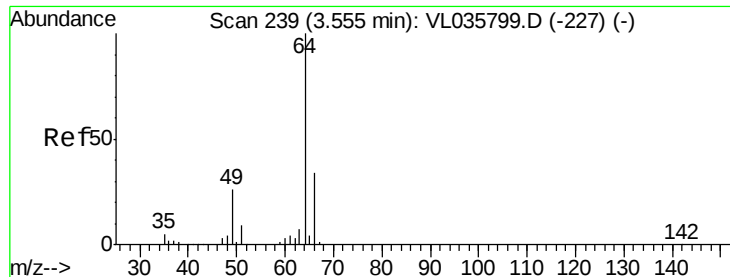
96 95.6 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.465 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion: 64 Resp: 311251

Ion Ratio Lower Upper

64 100

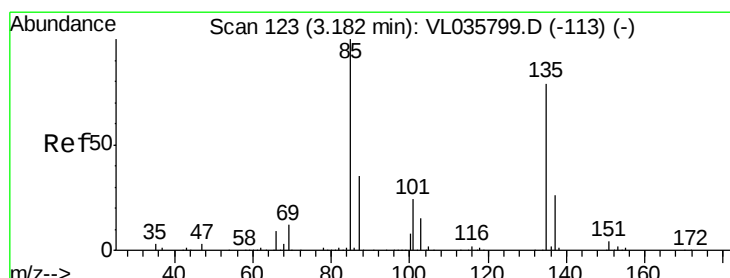
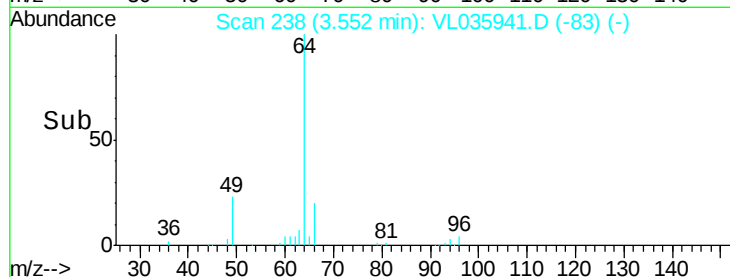
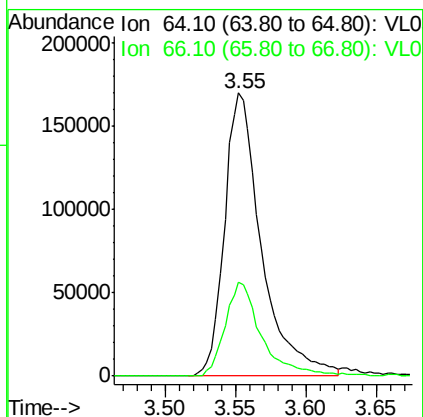
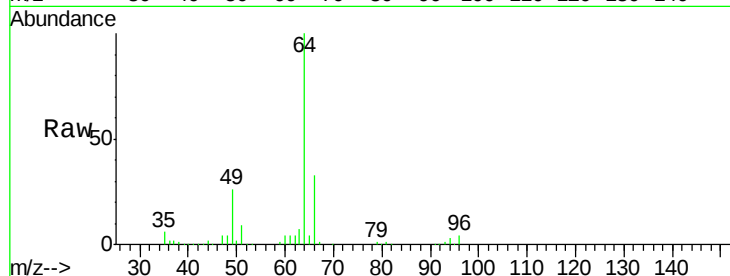
66 33.0 27.0 40.6

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#8

Dichlorotetrafluoroethane

Concen: 9.033 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035941.D

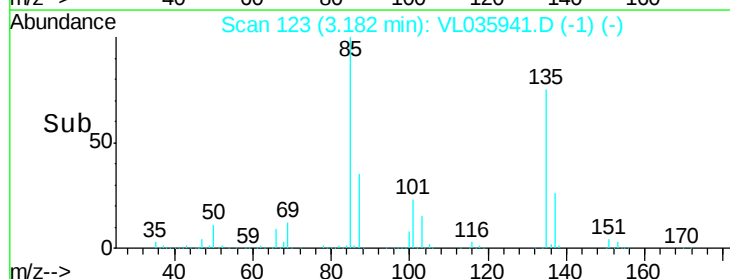
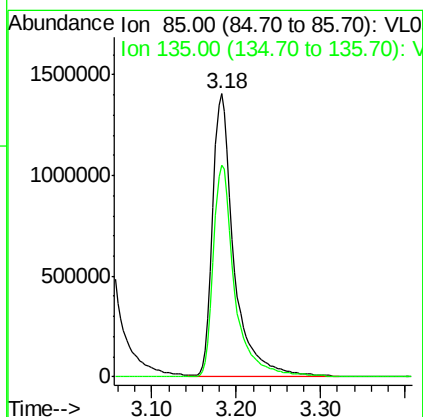
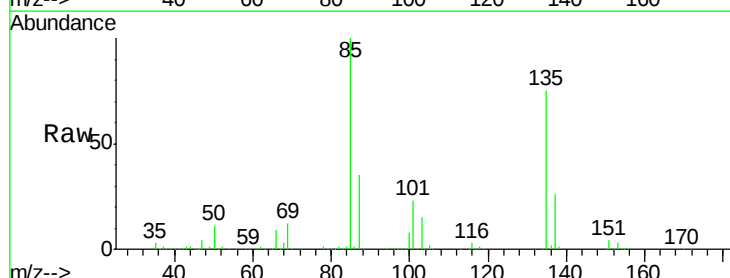
Acq: 16 Nov 2020 12:43

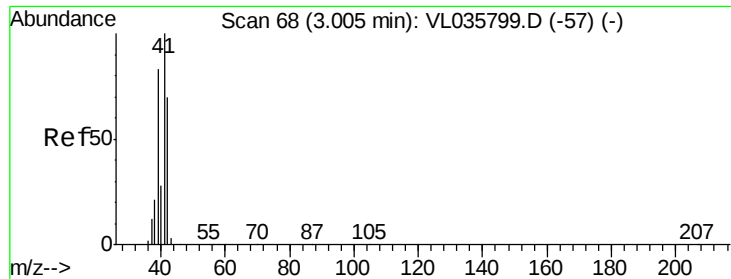
Tgt Ion: 85 Resp: 2452286

Ion Ratio Lower Upper

85 100

135 76.2 64.6 96.8





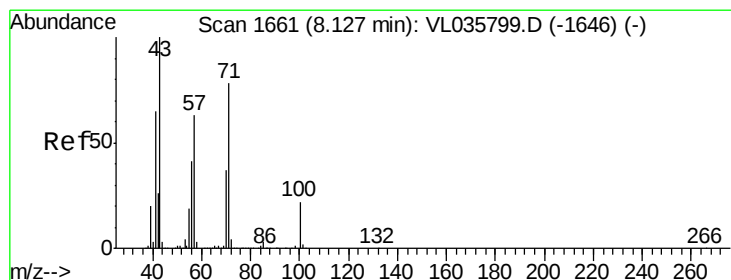
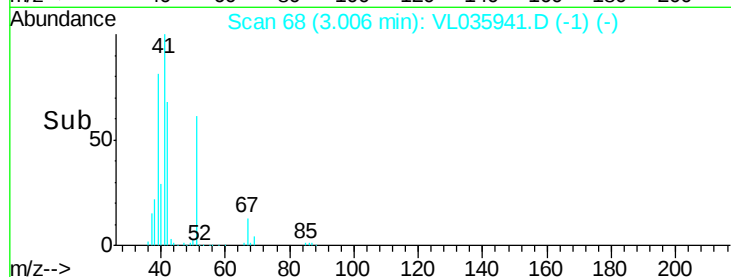
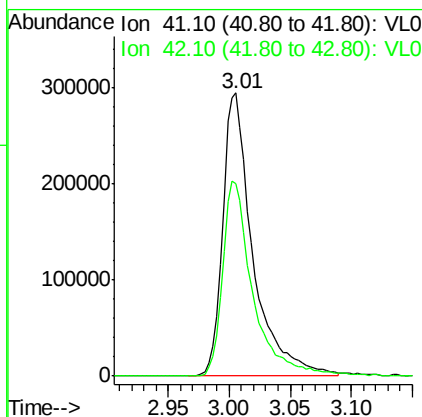
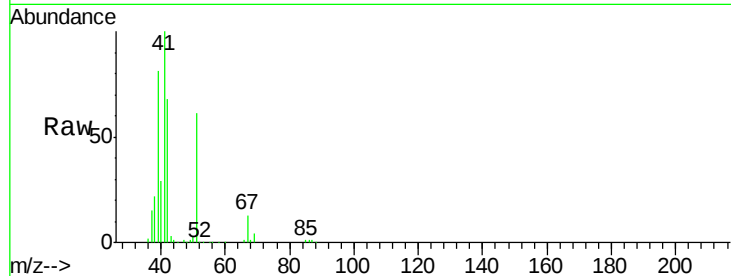
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 Propene
 Concen: 9.255 ppbv
 RT: 3.01 min Scan# 68
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1116ABS01

Tot Ion: 41 Resp: 511084
 Ion Ratio Lower Upper
 41 100
 42 69.6 56.2 84.4

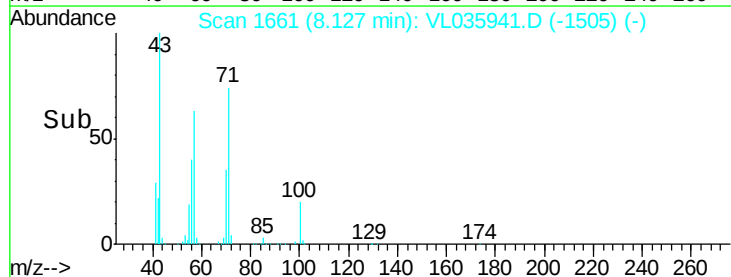
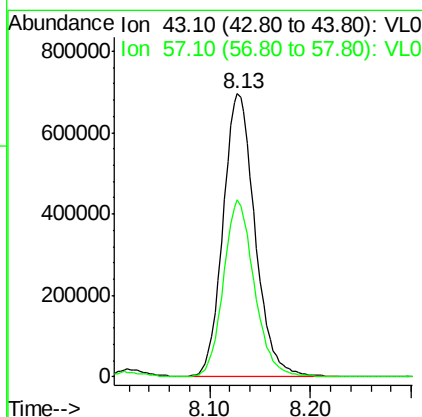
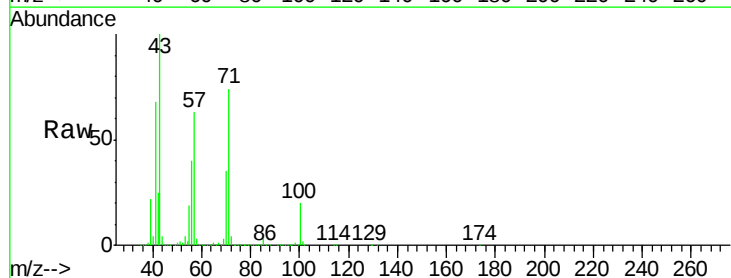
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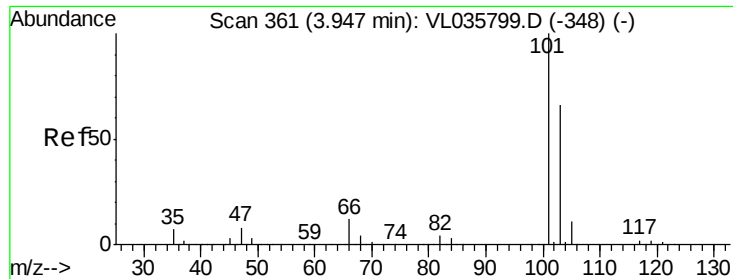
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#10
 Heptane
 Concen: 9.988 ppbv
 RT: 8.13 min Scan# 1661
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Tgt Ion: 43 Resp: 1523450
 Ion Ratio Lower Upper
 43 100
 57 61.1 50.0 75.0





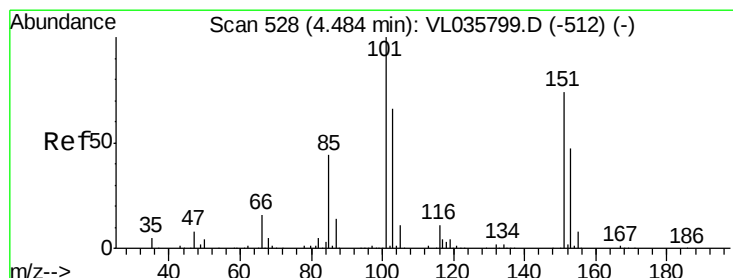
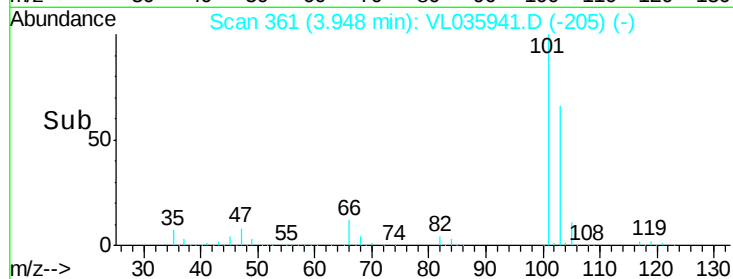
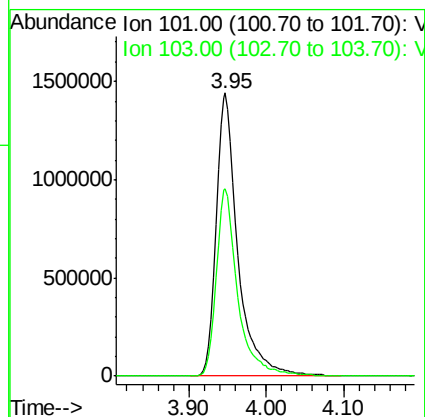
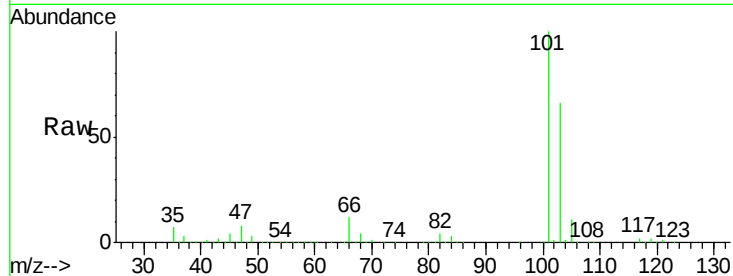
#11
 Trichlorofluoromethane
 Concen: 9.612 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1116ABS01

Tot Ion:101 Resp: 2863058
 Ion Ratio Lower Upper
 101 100
 103 66.2 53.0 79.4

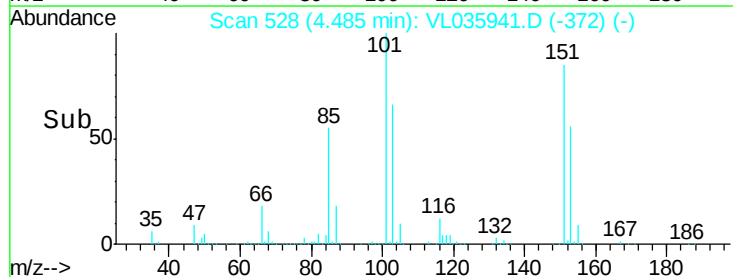
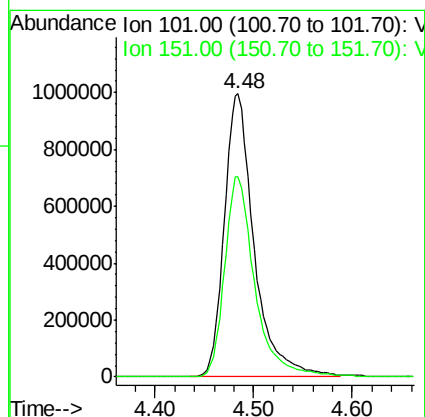
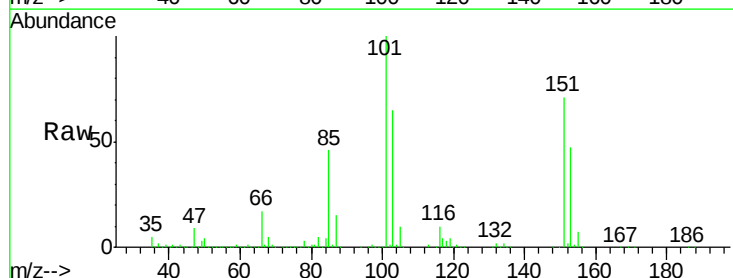
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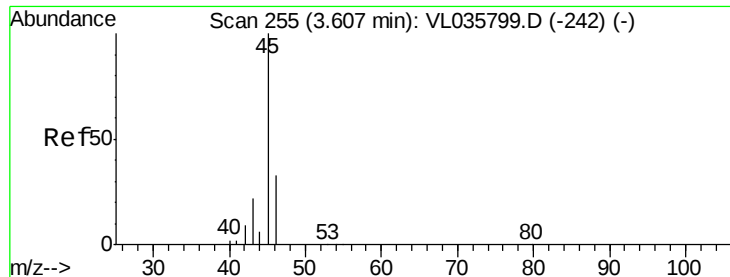
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.539 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Tgt Ion:101 Resp: 2115410
 Ion Ratio Lower Upper
 101 100
 151 71.9 58.9 88.3





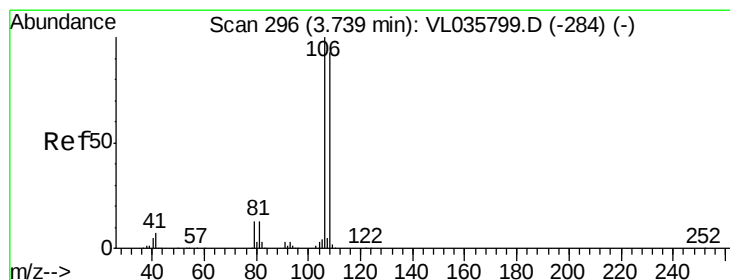
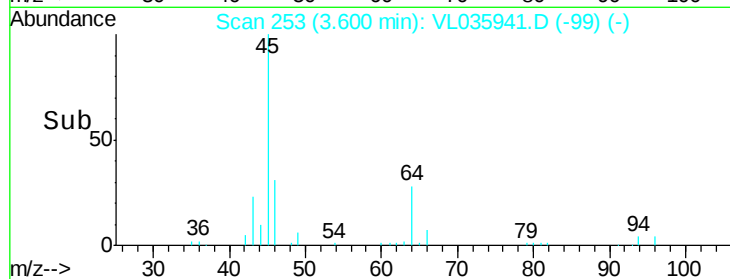
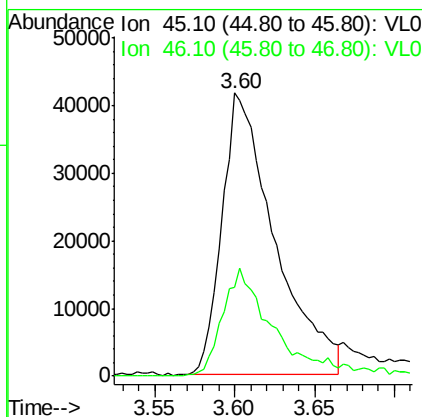
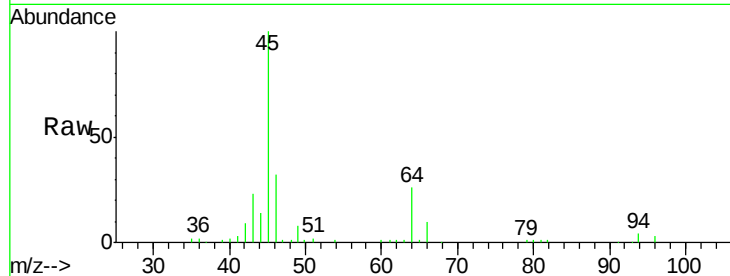
#13
Ethanol
Concen: 7.838 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

Tot Ion: 45 Resp: 93902
Ion Ratio Lower Upper
45 100
46 37.8 16.1 64.5

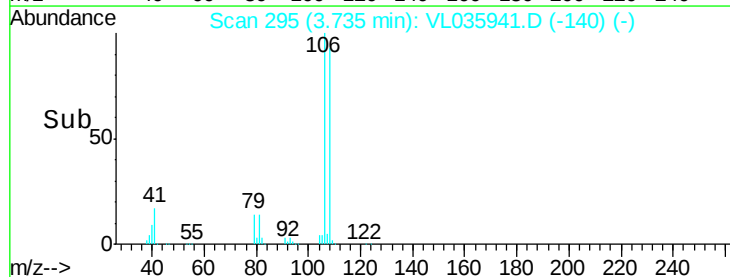
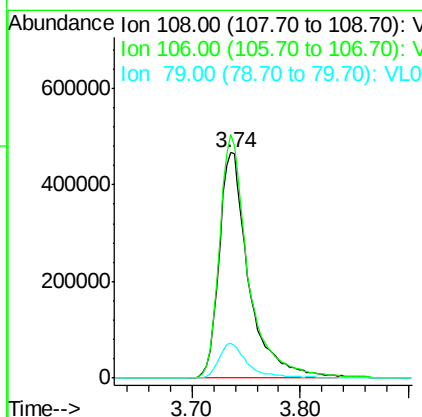
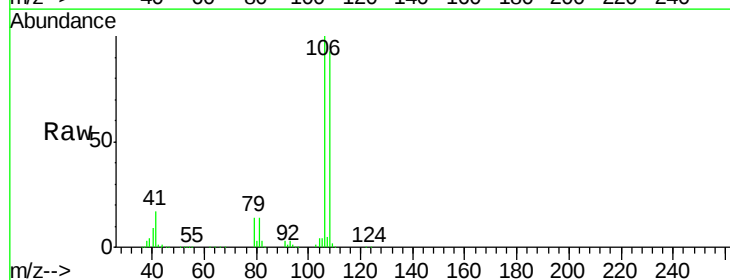
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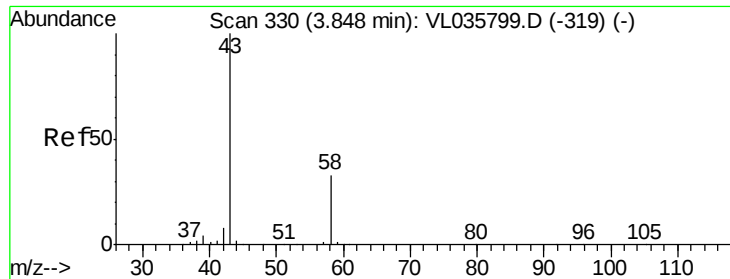
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#14
Bromoethene
Concen: 8.739 ppbv
RT: 3.74 min Scan# 295
Delta R.T. -0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion: 108 Resp: 891934
Ion Ratio Lower Upper
108 100
106 105.5 85.3 127.9
79 15.2 11.6 17.4





#15

Acetone

Concen: 8.947 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion: 43 Resp: 1205159

Ion Ratio Lower Upper

43 100

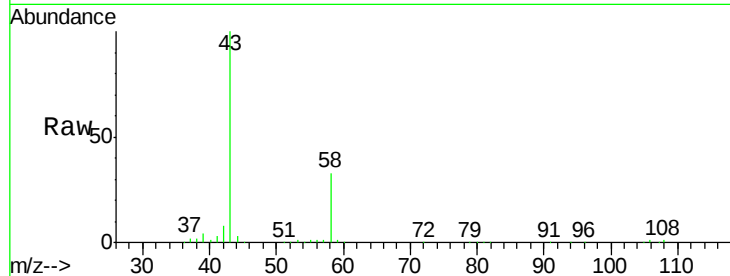
58 33.8 27.5 41.3

Manual Integrations

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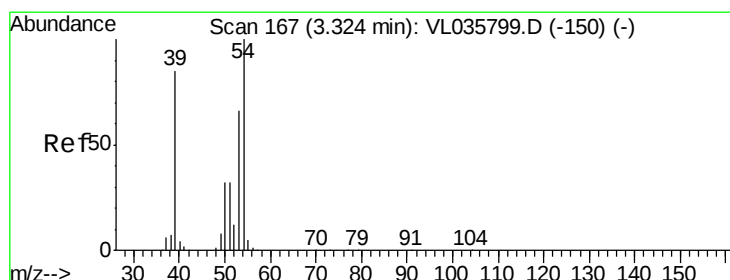
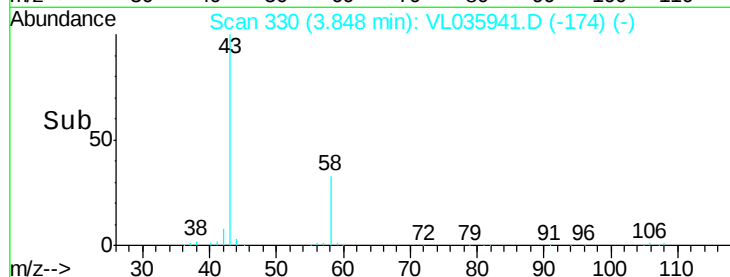
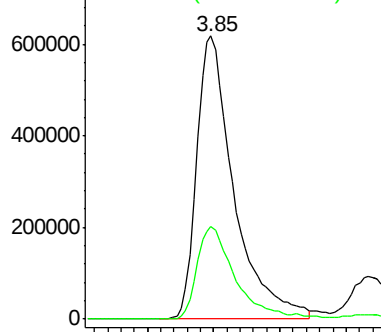
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.217 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL035941.D

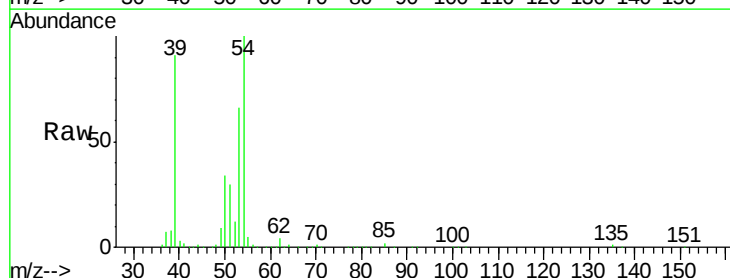
Acq: 16 Nov 2020 12:43

Tgt Ion: 39 Resp: 534509

Ion Ratio Lower Upper

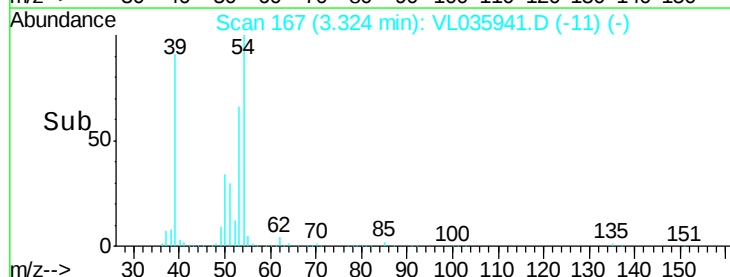
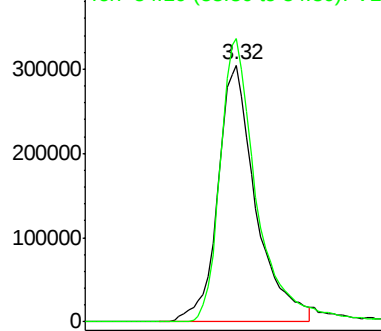
39 100

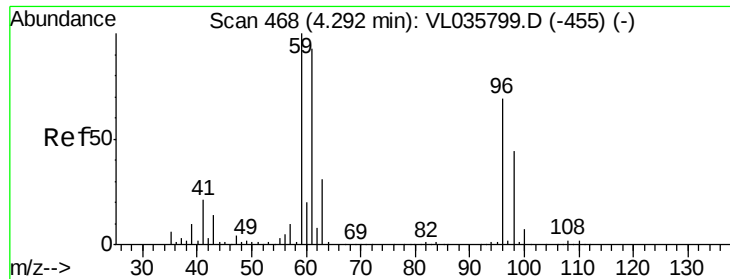
54 109.0 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

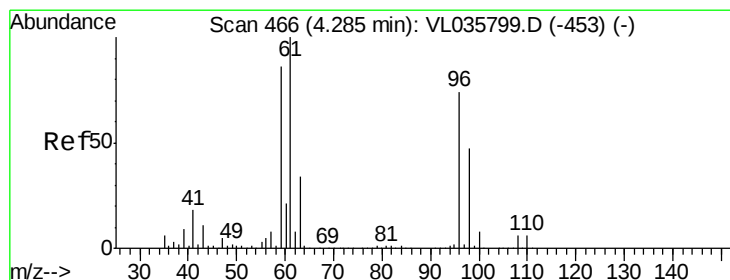
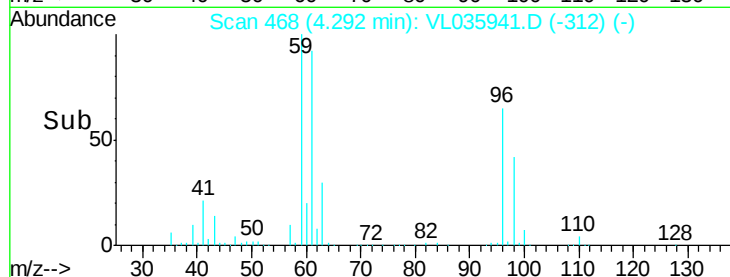
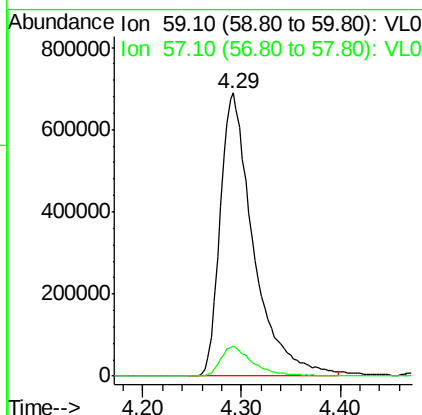
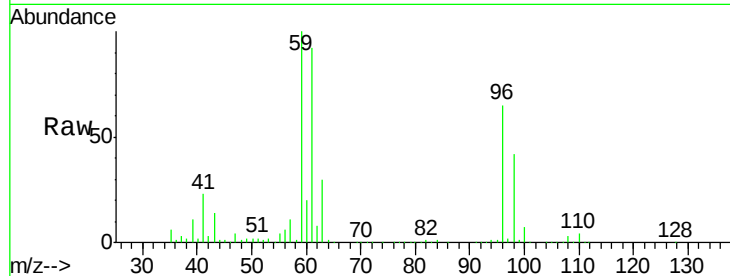
tert-Butyl alcohol
Concen: 9.125 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

Tot Ion: 59 Resp: 1628919
Ion Ratio Lower Upper
59 100
57 10.6 8.2 12.4

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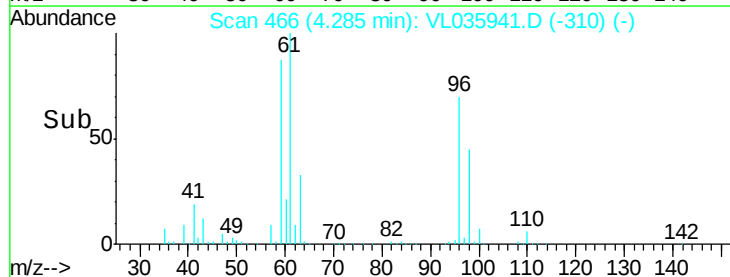
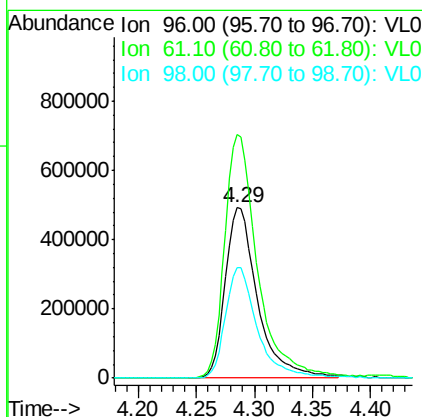
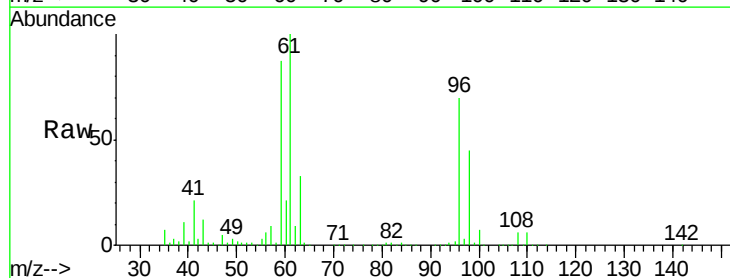
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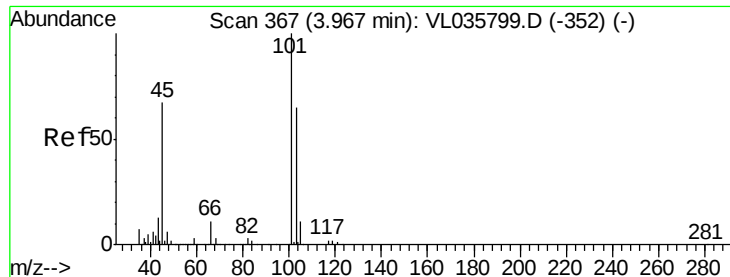


#18

1,1-Dichloroethene
Concen: 9.337 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion: 96 Resp: 950745
Ion Ratio Lower Upper
96 100
61 142.9 108.5 162.7
98 64.7 50.7 76.1





#19

Isopropyl Alcohol

Concen: 8.977 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion: 45 Resp: 743118

Ion Ratio Lower Upper

45 100

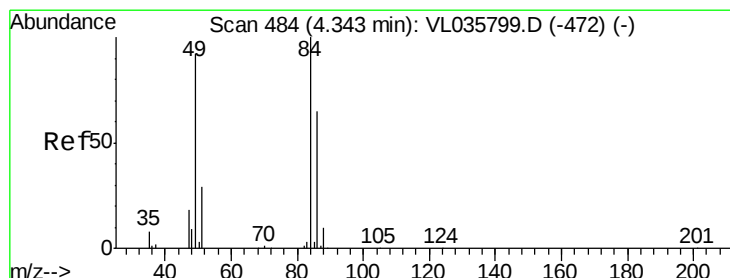
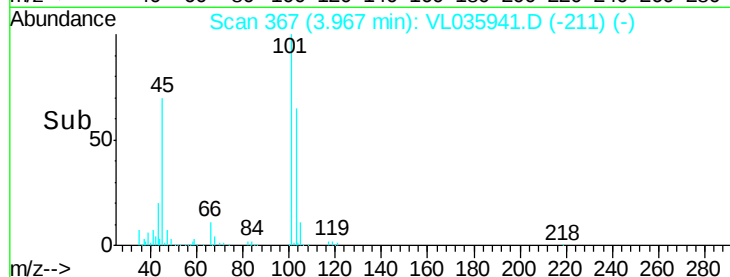
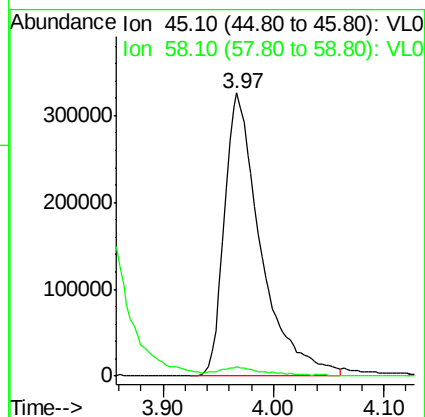
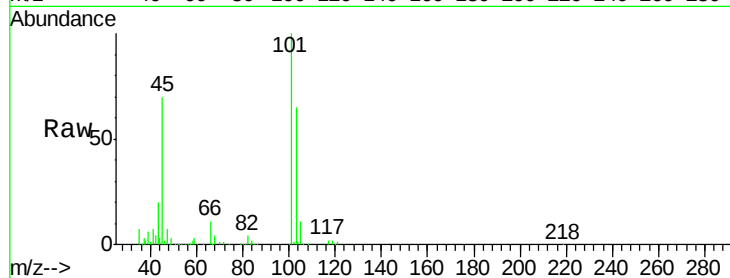
58 4.6 2.6 3.8#

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#20

Methylene Chloride

Concen: 8.116 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Tgt Ion: 84 Resp: 769619

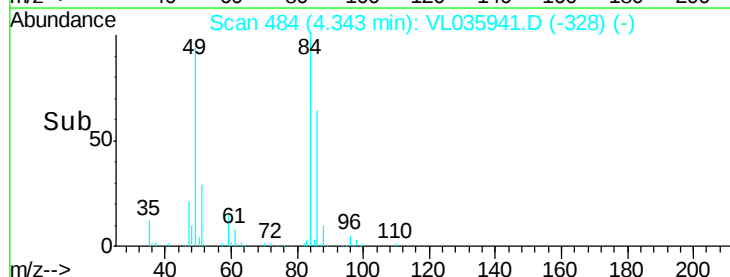
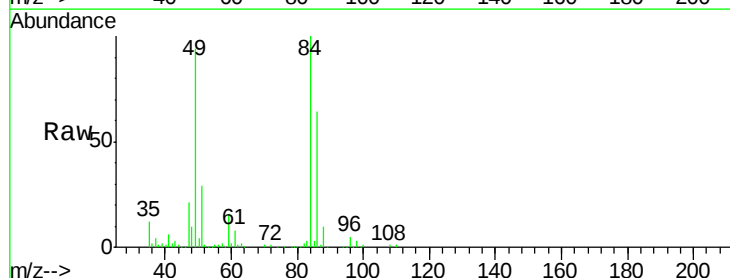
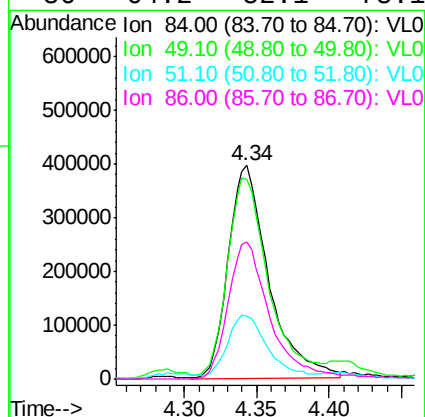
Ion Ratio Lower Upper

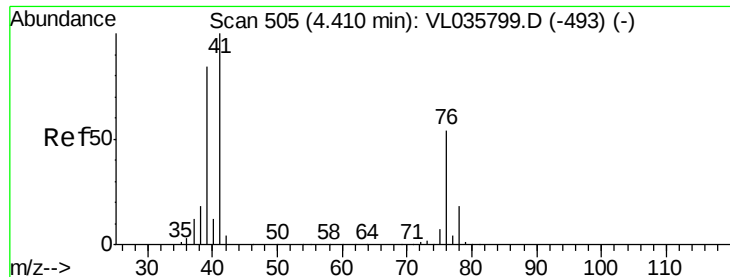
84 100

49 92.1 73.8 110.8

51 27.7 23.0 34.4

86 64.2 52.1 78.1





#21

Allvl Chloride

Concen: 9.689 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

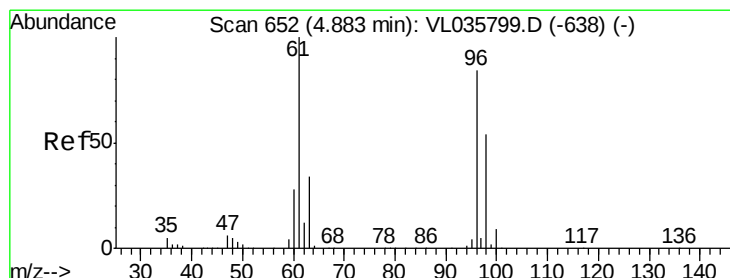
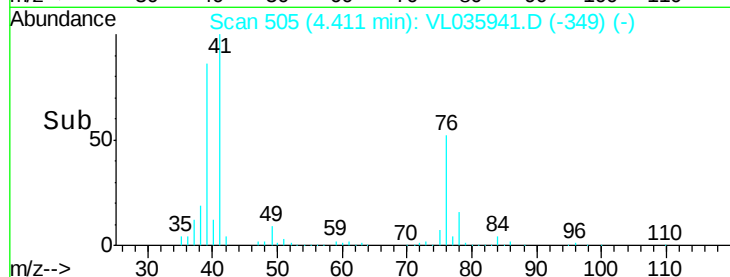
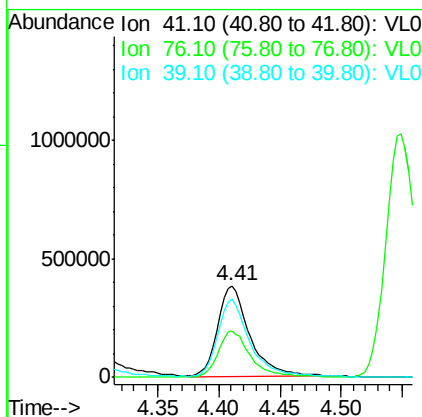
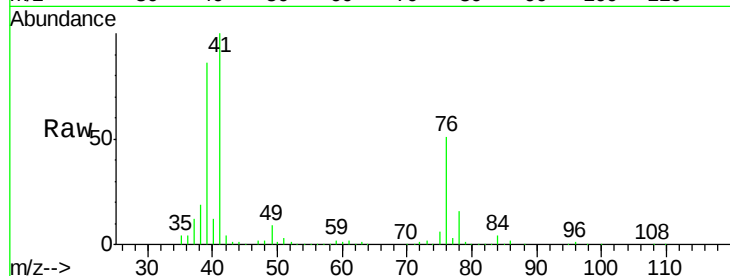
ClientSampleId :

VL1116ABS01

Tot Ion:	41	Resp:	705770
Ion	Ratio	Lower	Upper
41	100		
76	52.1	42.6	63.8
39	87.2	67.0	100.4

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#22

trans-1,2-Dichloroethene

Concen: 9.395 ppbv

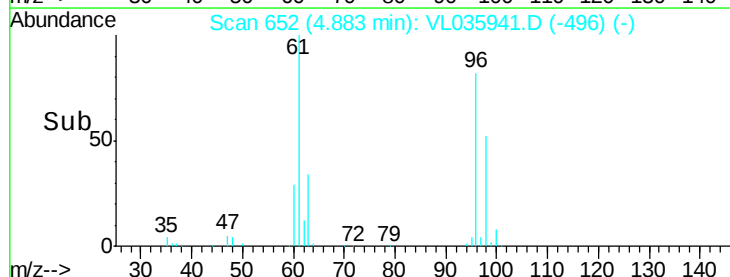
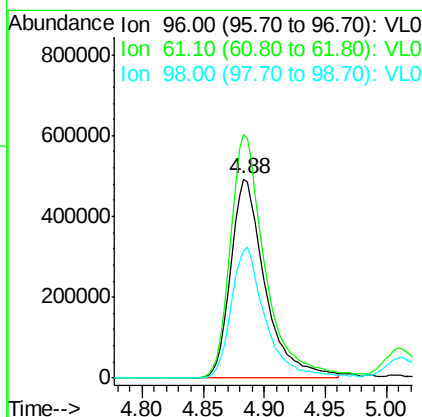
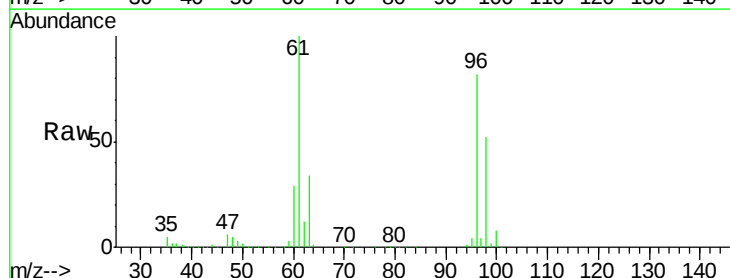
RT: 4.88 min Scan# 652

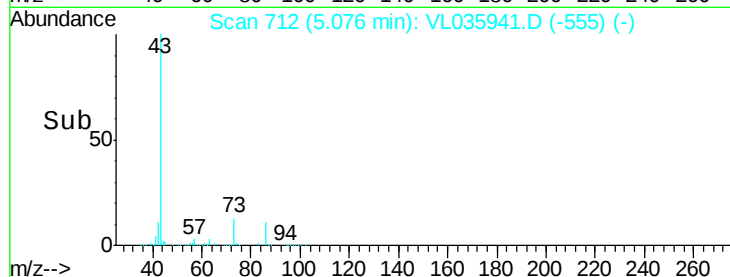
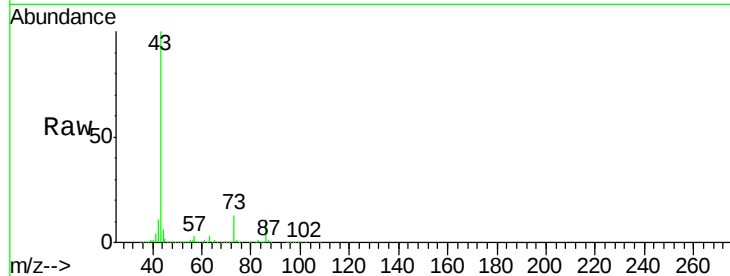
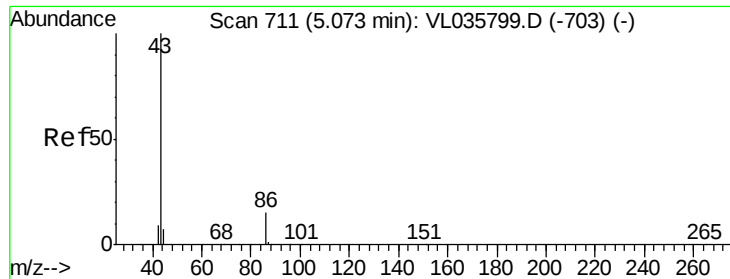
Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Tgt Ion:	96	Resp:	969762
Ion	Ratio	Lower	Upper
96	100		
61	122.2	95.4	143.0
98	63.5	51.8	77.6





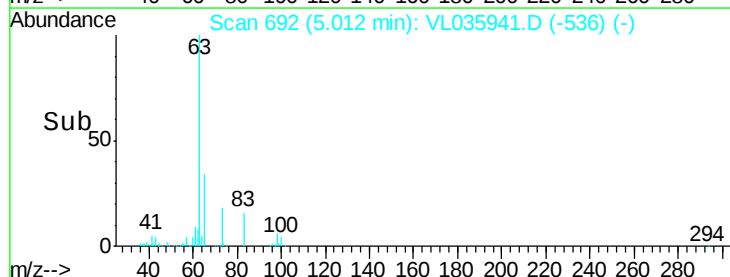
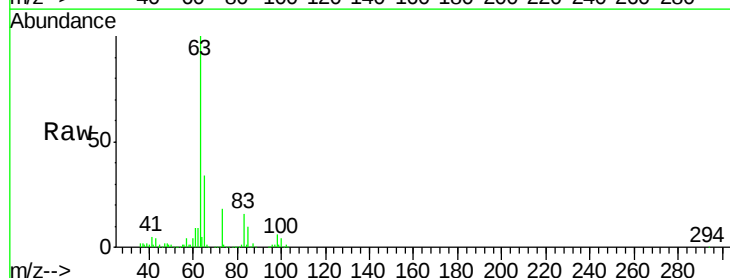
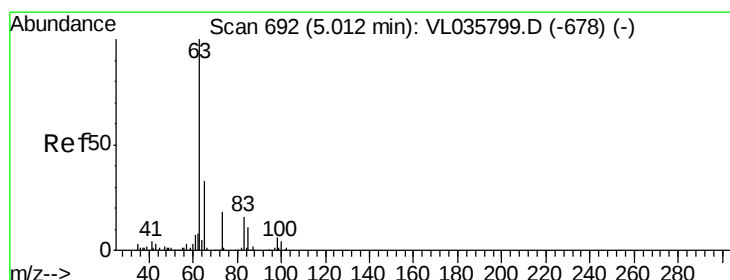
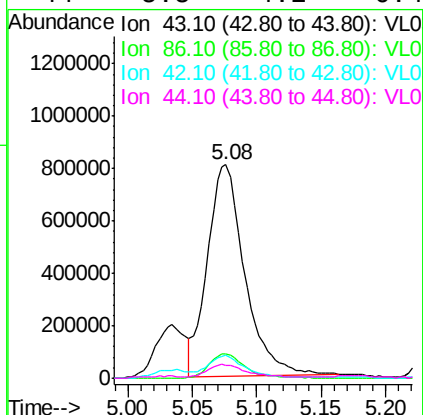
#23
 Vinyl Acetate
 Concen: 8.573 ppbv
 RT: 5.08 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Tot Ion	43	Resp	1618779
Ion	Ratio	Lower	Upper
43	100		
86	11.3	9.8	14.6
42	10.5	8.1	12.1
44	5.5	4.2	6.4

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1116ABS01

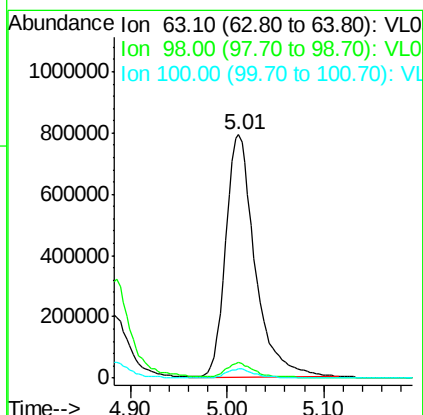
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#24
 1,1-Dichloroethane
 Concen: 9.287 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Tgt Ion	63	Resp	1670634
Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.0	9.2
100	4.0	1.8	5.4





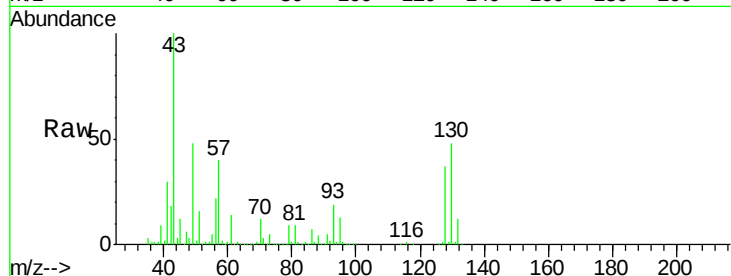
#25
Ethyl Acetate
Concen: 9.550 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.9	8.5	12.7	
61	13.0	10.7	16.1	
70	10.1	8.6	12.8	

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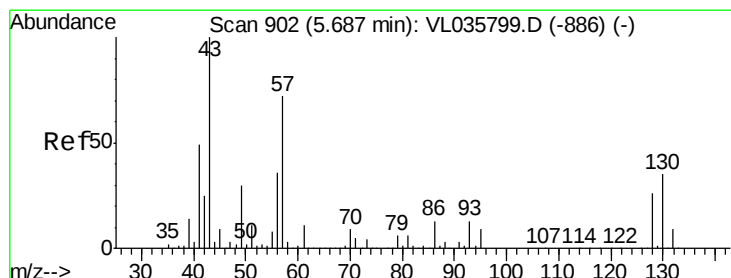
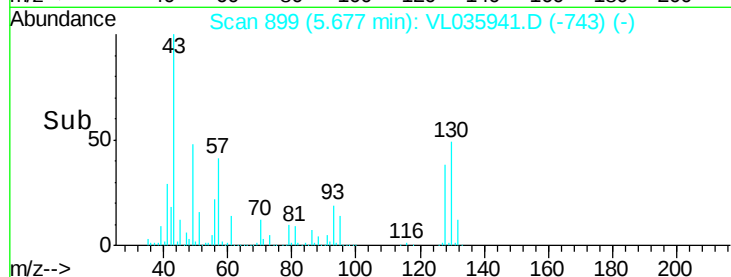
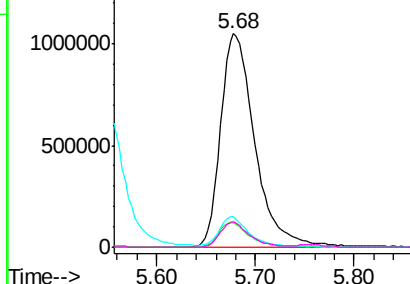
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

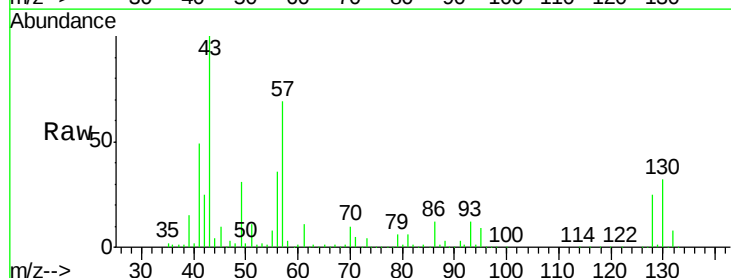
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.053 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	76.7	58.9	88.3	
43	192.4	150.2	225.2	
56	53.8	42.4	63.6	



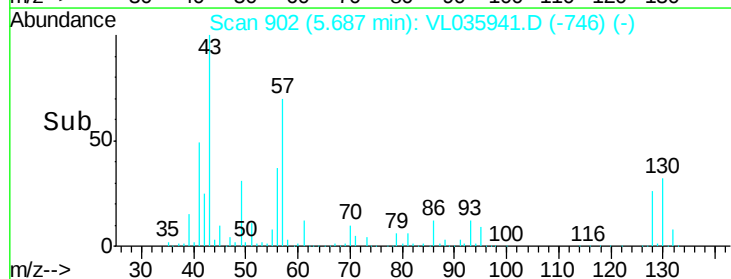
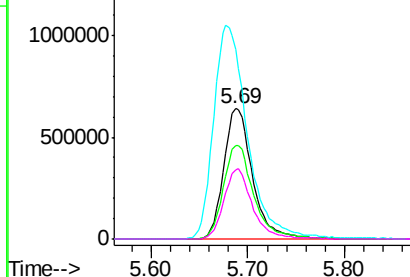
Abundance

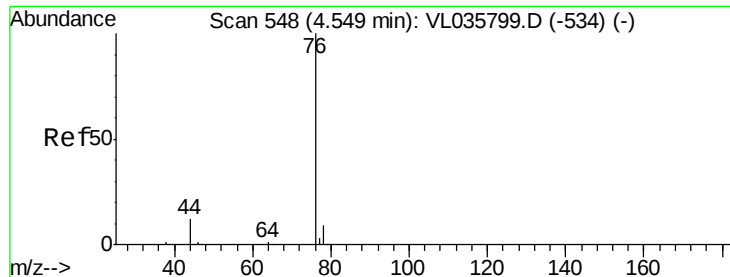
Ion 57.10 (56.80 to 57.80): VL0

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





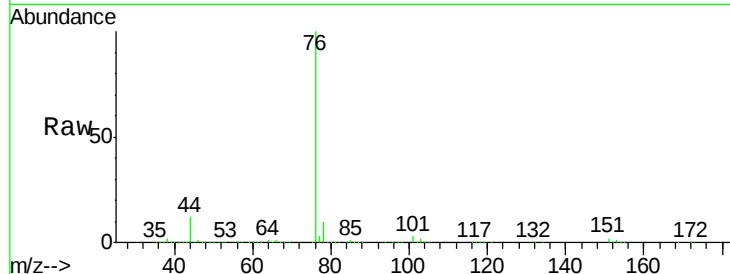
#27
Carbon Disulfide
Concen: 9.556 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

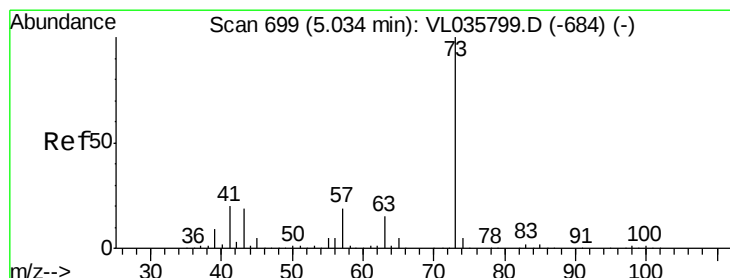
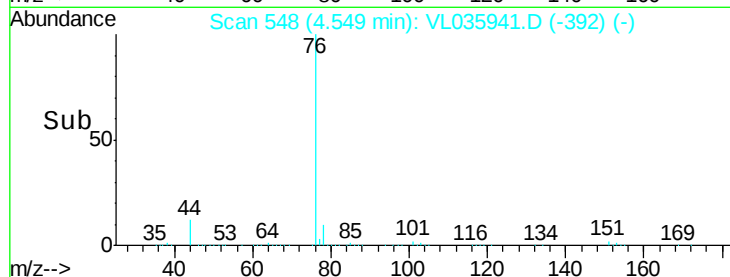
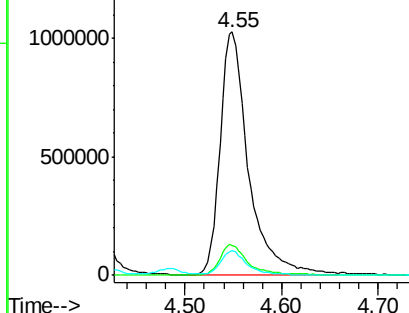
Tot Ion	Ratio	Lower	Upper
76	100		
44	12.6	9.9	14.9
78	9.9	8.1	12.1

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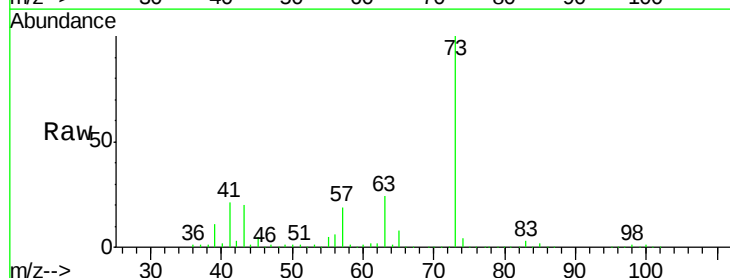


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

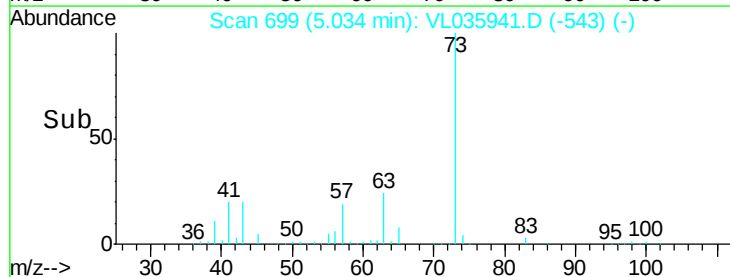
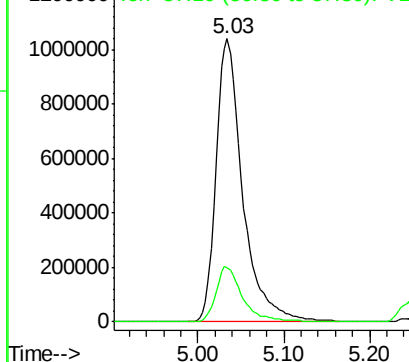


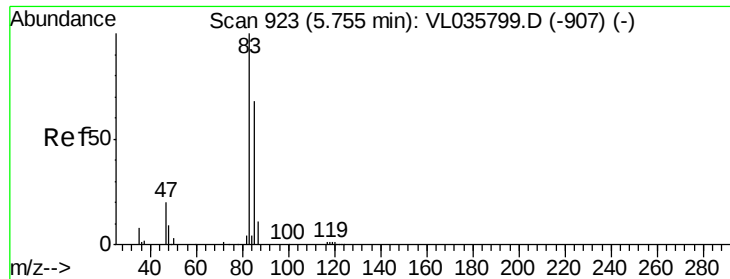
#28
Methyl tert-Butyl Ether
Concen: 8.532 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.5	15.4	23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





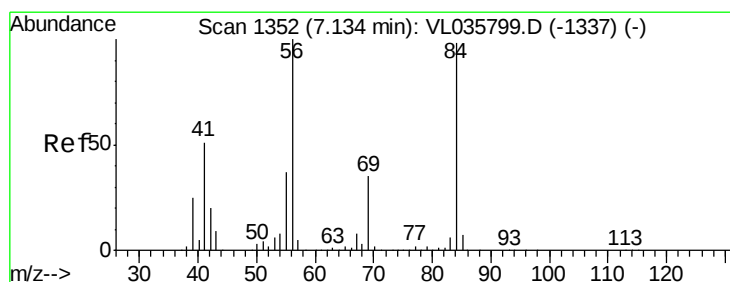
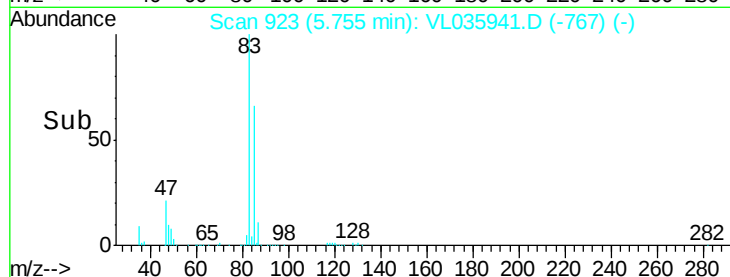
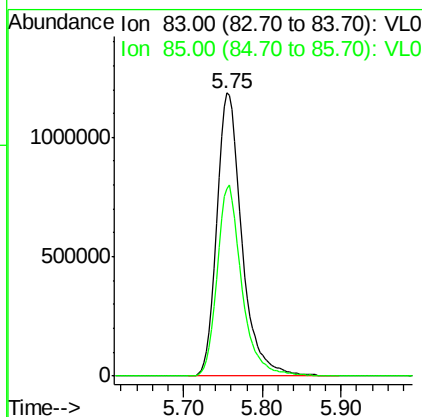
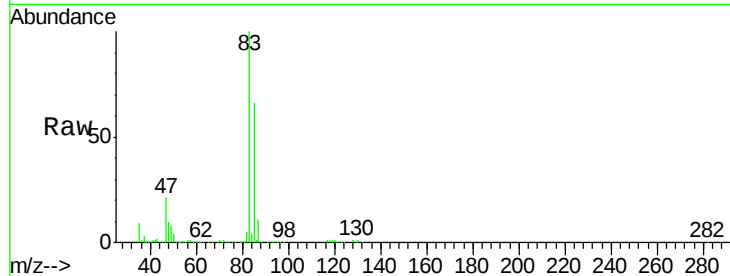
#29
Chloroform
Concen: 9.049 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

Tot Ion: 83 Resp: 2602946
Ion Ratio Lower Upper
83 100
85 66.0 54.6 81.8

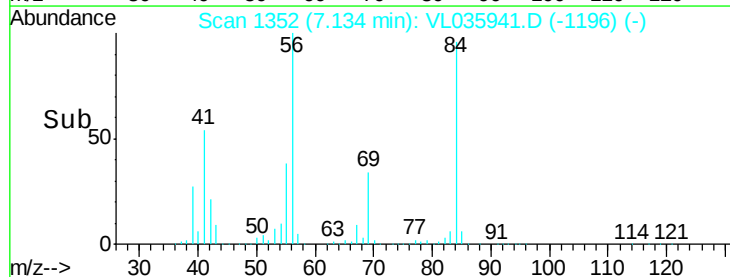
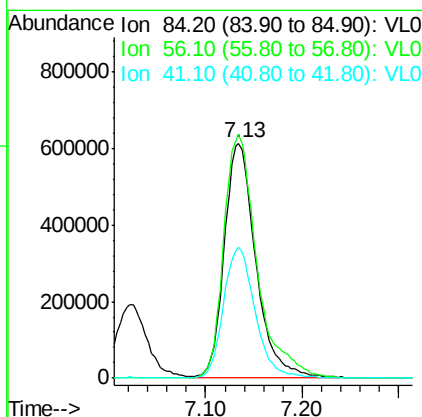
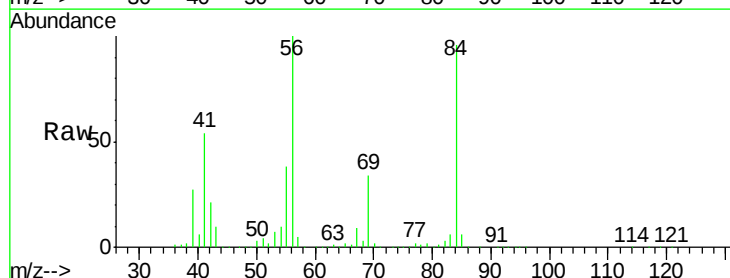
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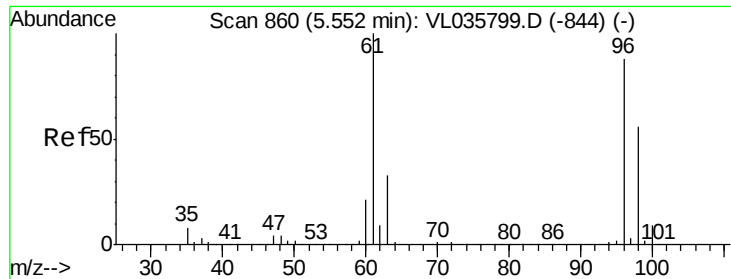
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#30
Cyclohexane
Concen: 8.657 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion: 84 Resp: 1379914
Ion Ratio Lower Upper
84 100
56 110.9 86.4 129.6
41 56.5 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 9.132 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion: 61 Resp: 1374762

Ion Ratio Lower Upper

61 100

96 83.2 70.3 105.5

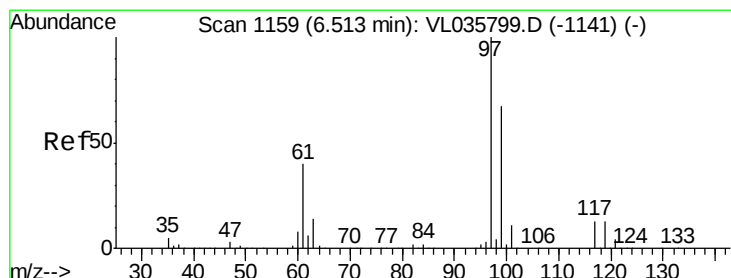
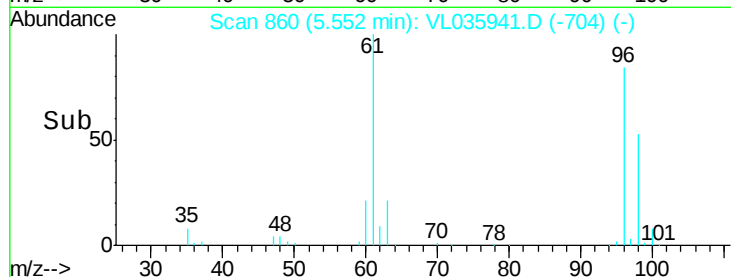
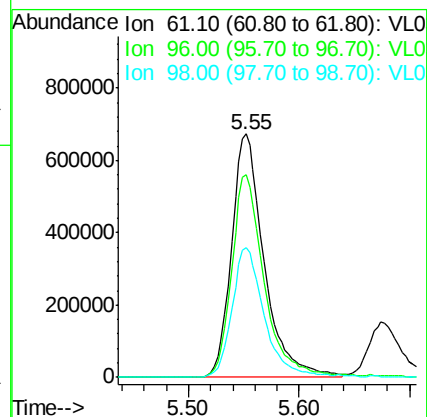
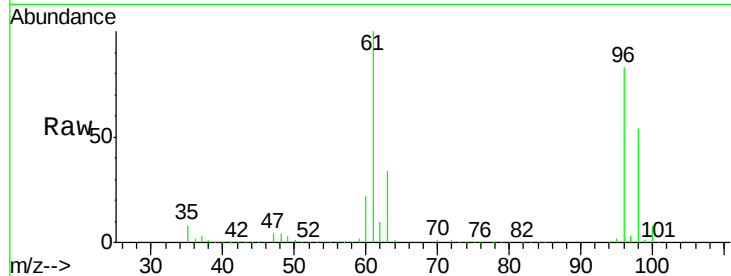
98 53.5 45.0 67.6

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#32

1,1,1-Trichloroethane

Concen: 8.394 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

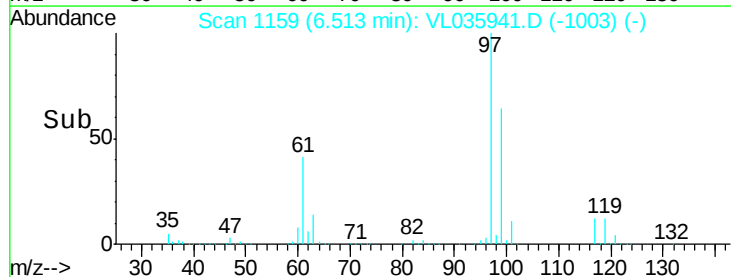
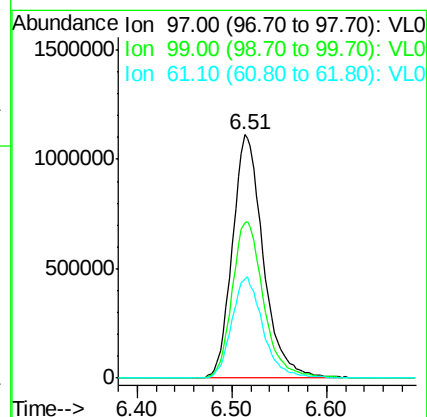
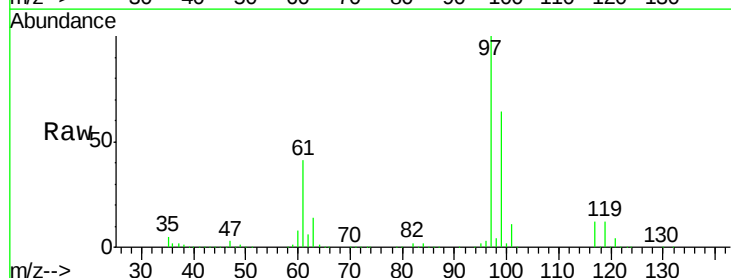
Tgt Ion: 97 Resp: 2519501

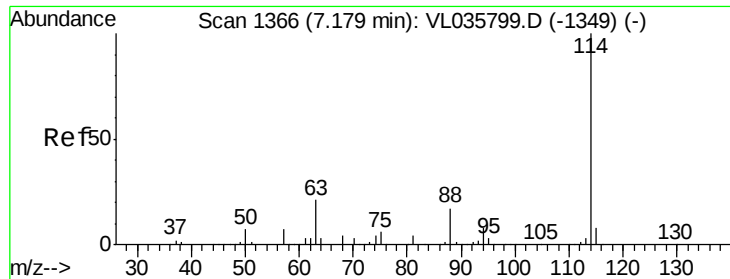
Ion Ratio Lower Upper

97 100

99 65.5 52.3 78.5

61 42.2 32.0 48.0





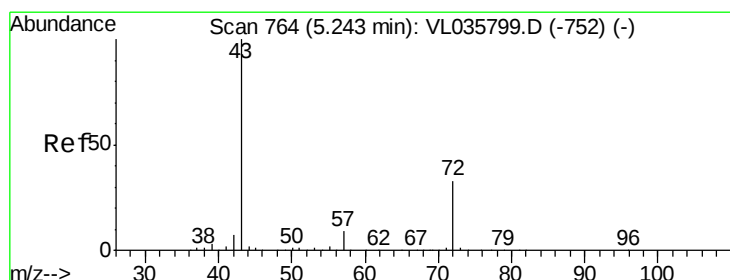
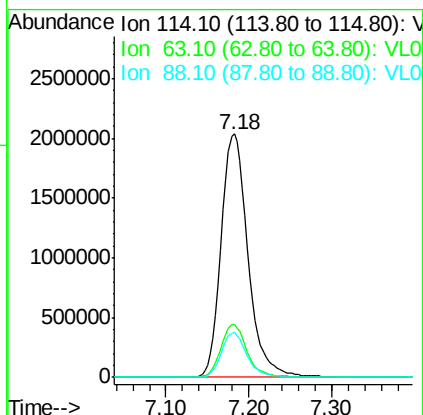
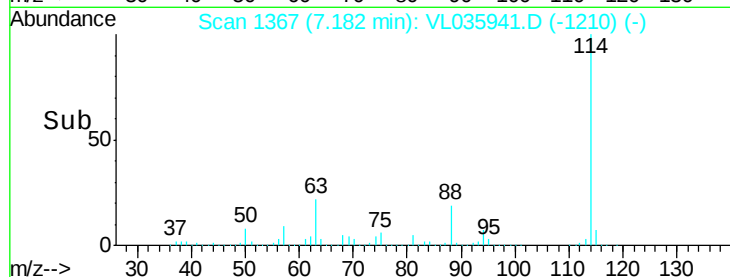
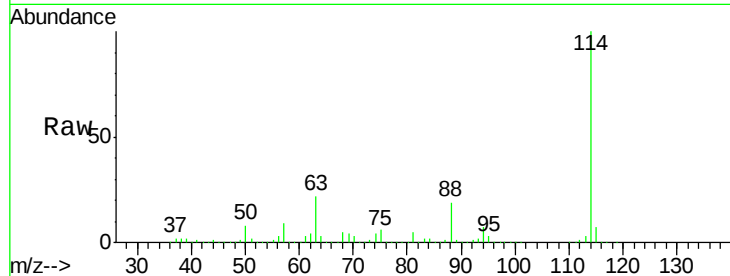
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1116ABS01

Tot Ion:114 Resp: 4567298
 Ion Ratio Lower Upper
 114 100
 63 21.4 16.1 24.1
 88 17.6 13.7 20.5

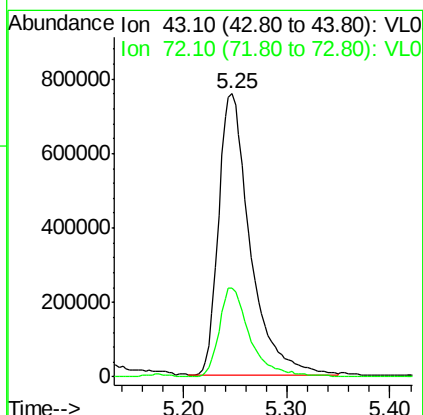
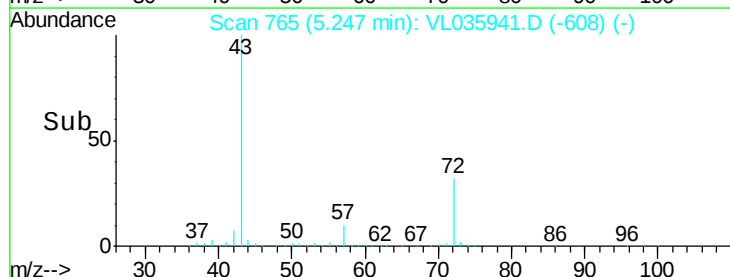
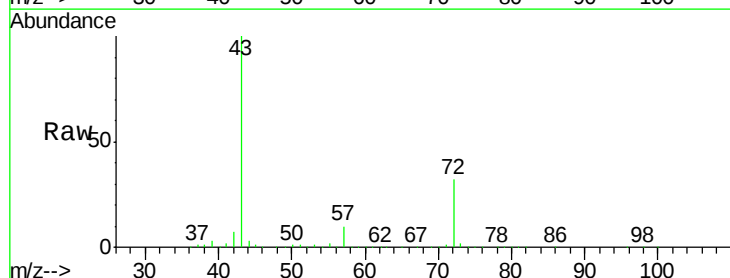
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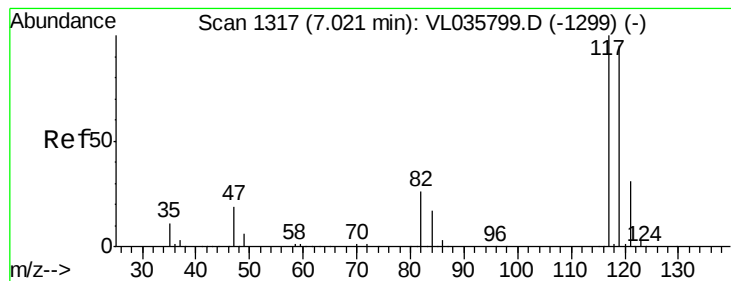
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#34
 2-Butanone
 Concen: 10.894 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Tgt Ion: 43 Resp: 1614775
 Ion Ratio Lower Upper
 43 100
 72 31.3 26.5 39.7





#35

Carbon Tetrachloride

Concen: 10.281 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion:117 Resp: 2508760

Ion Ratio Lower Upper

117 100

119 97.2 75.6 113.4

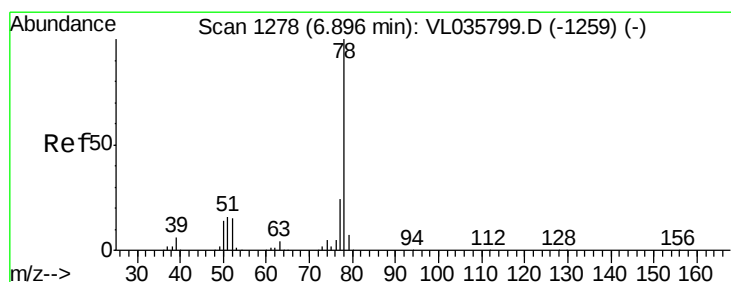
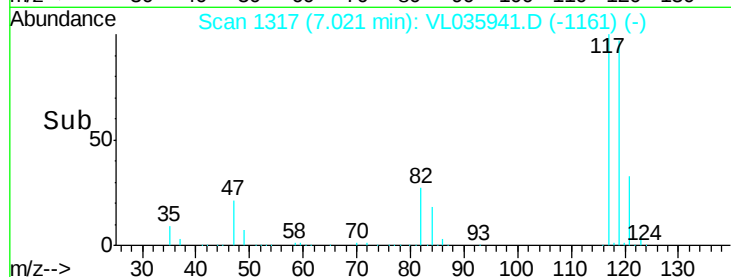
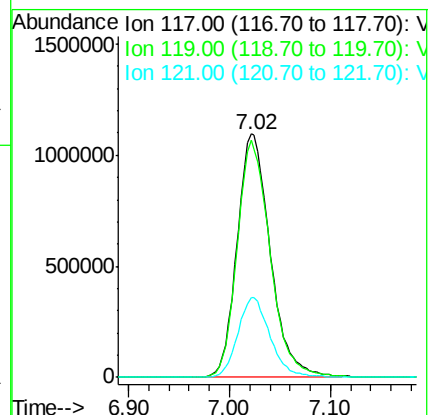
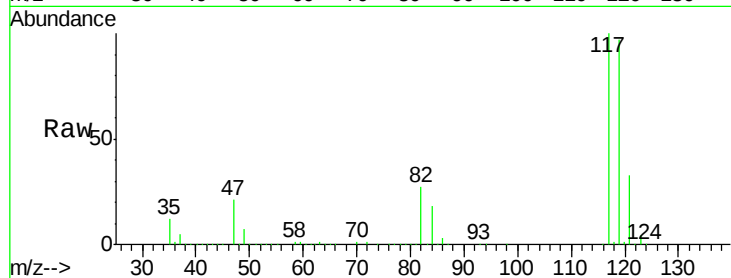
121 32.7 25.1 37.7

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#36

Benzene

Concen: 9.550 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

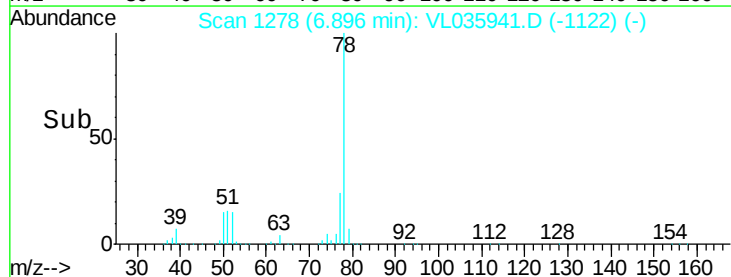
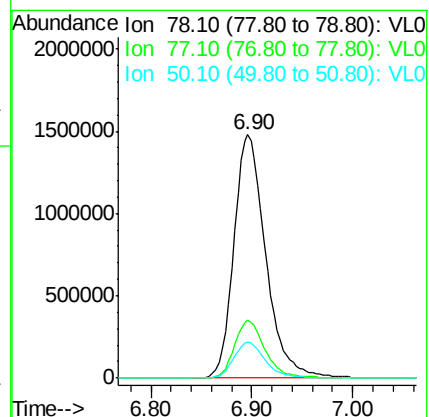
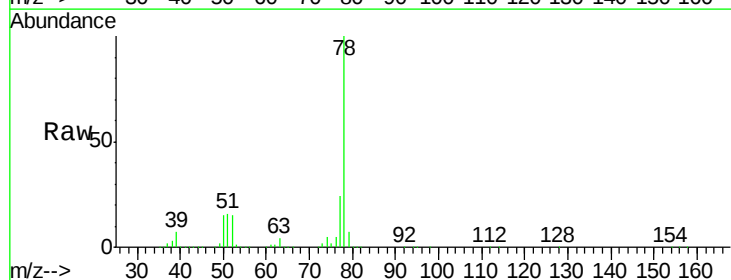
Tgt Ion: 78 Resp: 3242598

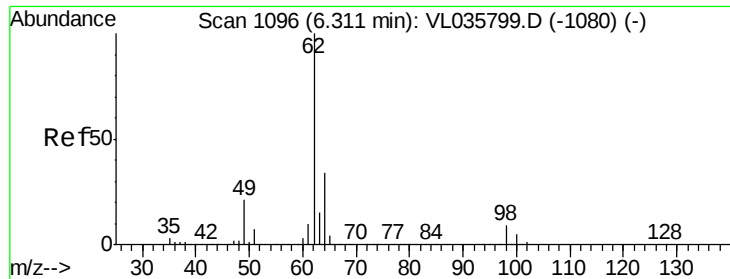
Ion Ratio Lower Upper

78 100

77 23.6 19.3 28.9

50 15.1 11.4 17.2





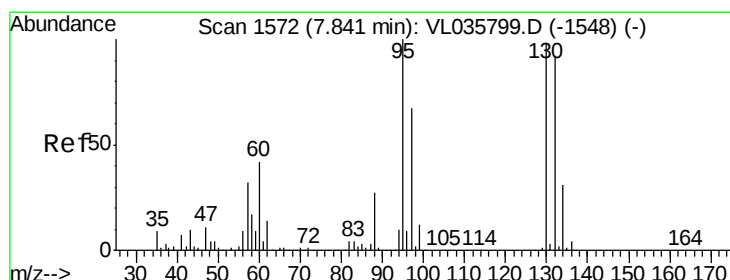
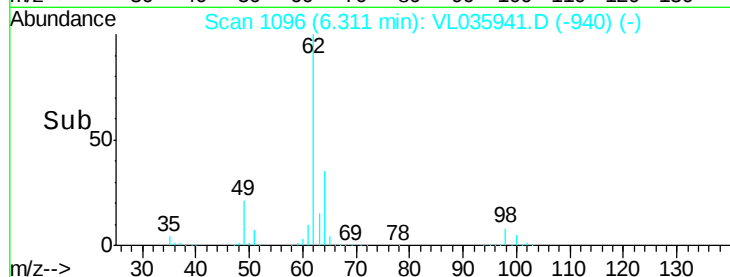
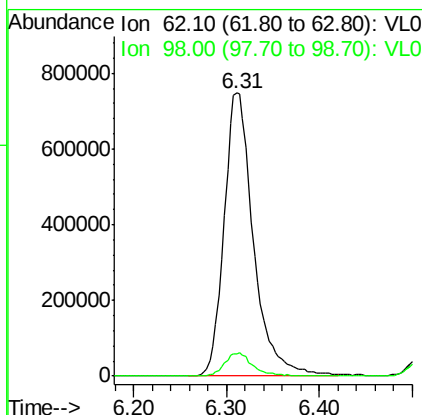
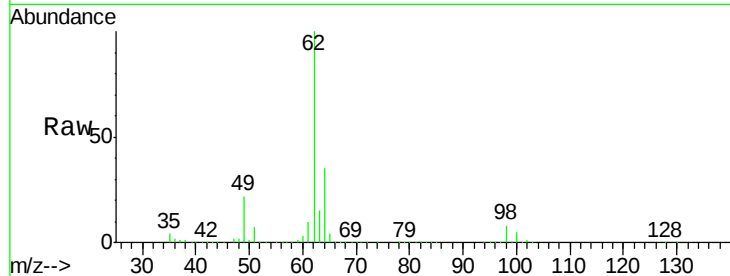
#37
1,2-Dichloroethane
Concen: 10.690 ppbv
RT: 6.31 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

Tot Ion: 62 Resp: 1644401
Ion Ratio Lower Upper
62 100
98 8.0 6.9 10.3

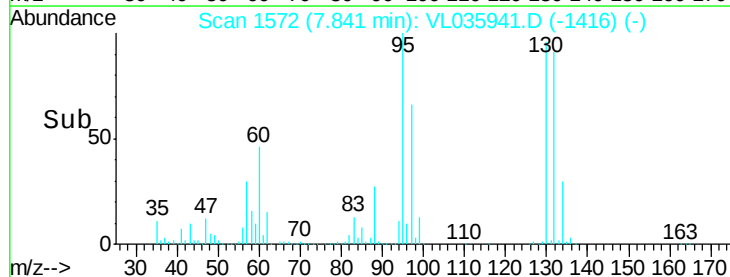
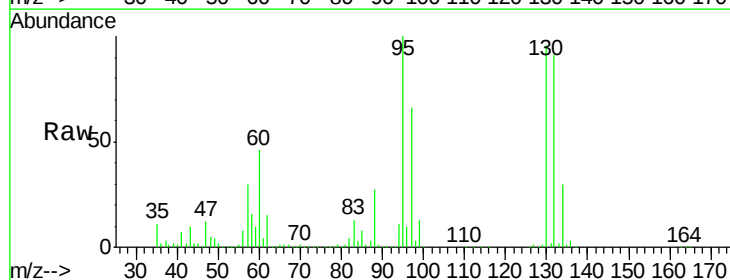
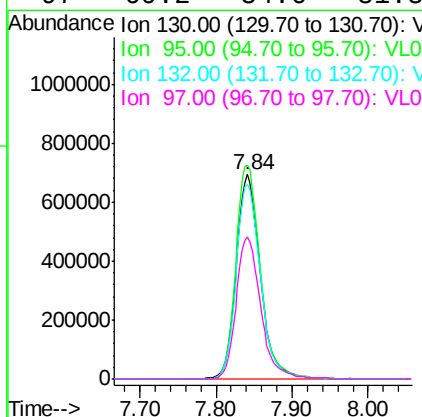
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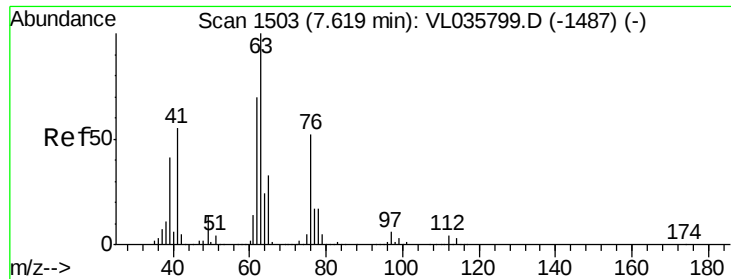
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#38
Trichloroethene
Concen: 9.162 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion:130 Resp: 1519540
Ion Ratio Lower Upper
130 100
95 104.3 81.6 122.4
132 95.2 75.1 112.7
97 69.2 54.6 81.8





#39

1,2-Dichloropropane

Concen: 10.089 ppbv

RT: 7.62 min Scan# 1503

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion: 63 Resp: 1153333

Ion Ratio Lower Upper

63 100

41 55.1 43.8 65.6

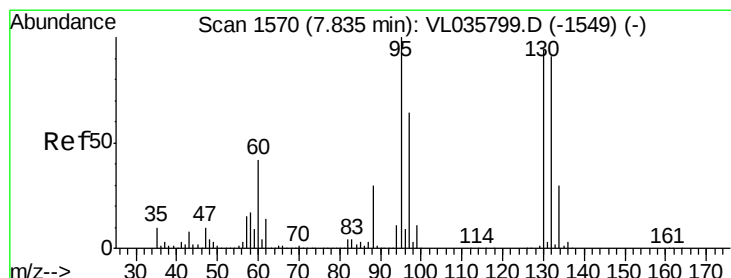
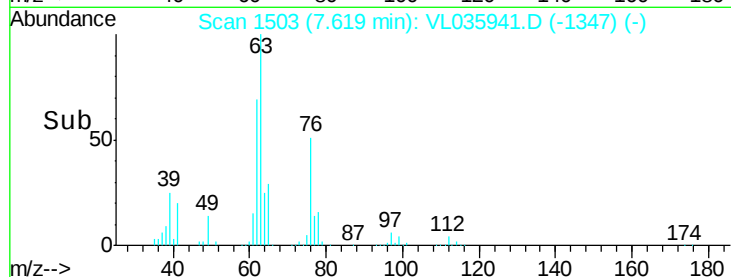
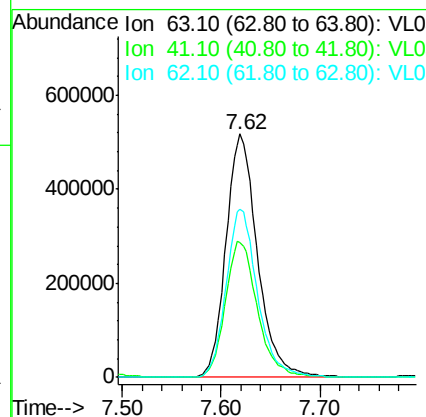
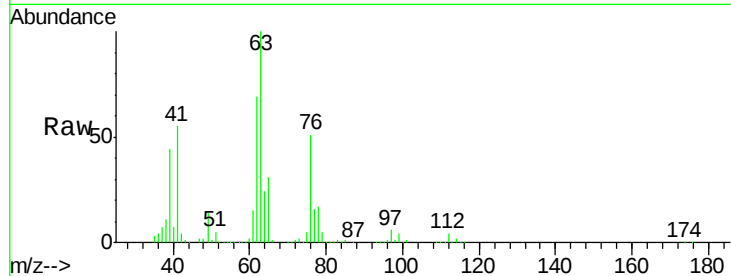
62 68.9 56.2 84.2

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#40

1,4-Dioxane

Concen: 9.579 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Tgt Ion: 88 Resp: 518969

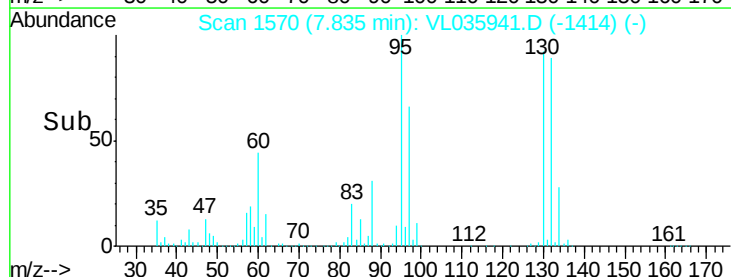
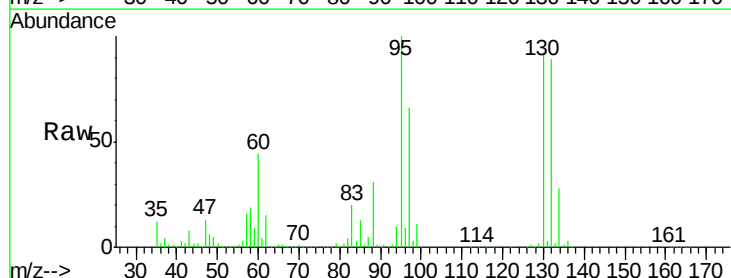
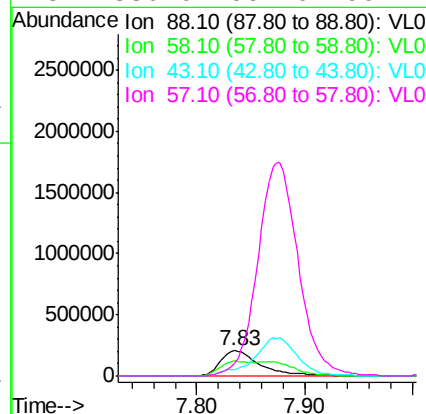
Ion Ratio Lower Upper

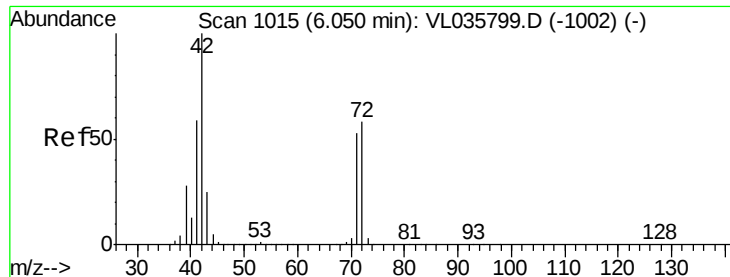
88 100

58 103.0 76.2 114.2

43 169.2 123.1 184.7

57 880.0 661.0 991.4





#41

Tetrahydrofuran

Concen: 11.061 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

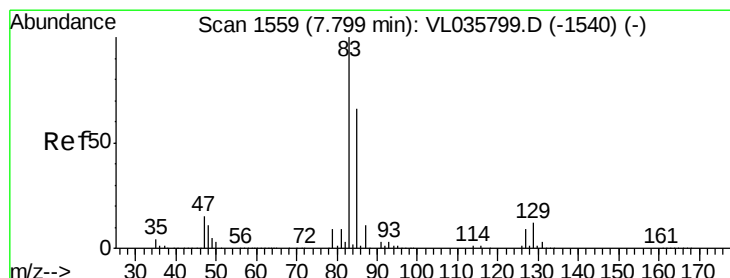
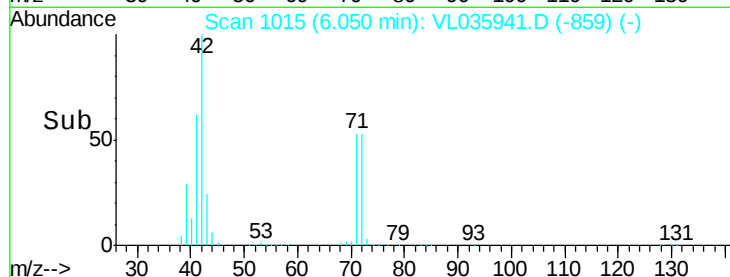
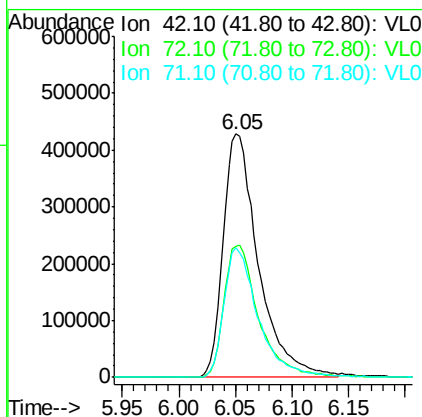
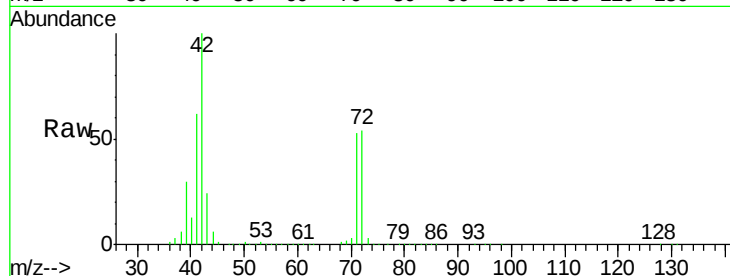
ClientSampleId :

VL1116ABS01

Tot Ion:	42	Resp:	931456
Ion	Ratio	Lower	Upper
42	100		
72	53.9	45.4	68.0
71	52.2	43.4	65.2

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#42

Bromodichloromethane

Concen: 10.283 ppbv

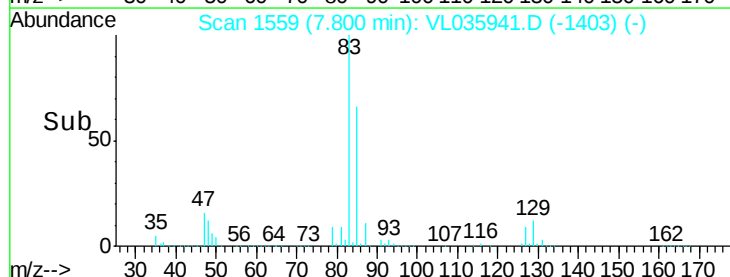
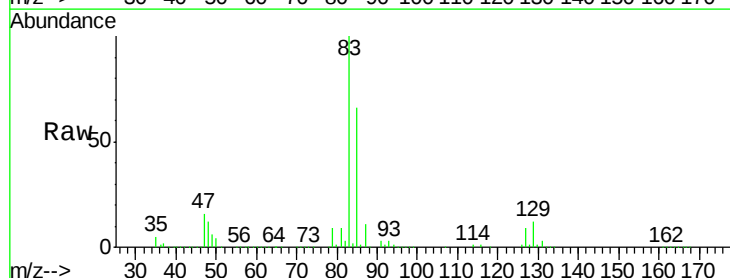
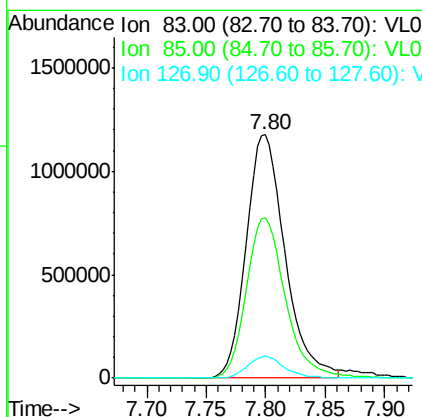
RT: 7.80 min Scan# 1559

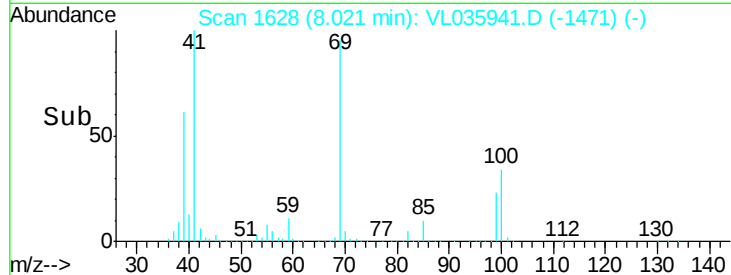
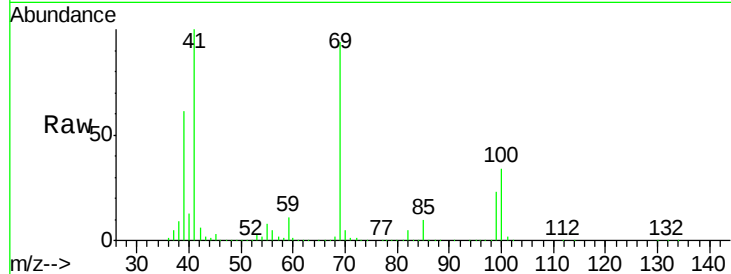
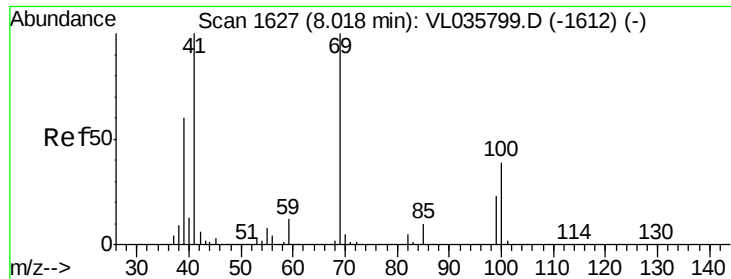
Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Tgt Ion:	83	Resp:	2668951
Ion	Ratio	Lower	Upper
83	100		
85	65.7	53.1	79.7
127	9.2	7.3	10.9





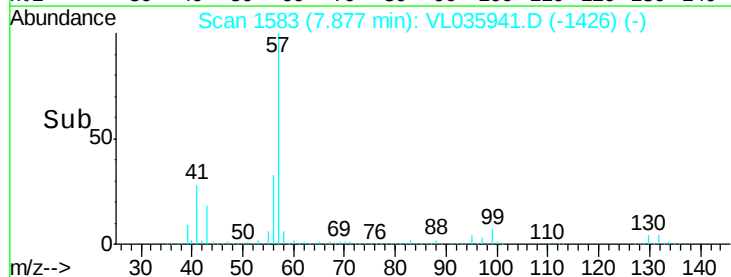
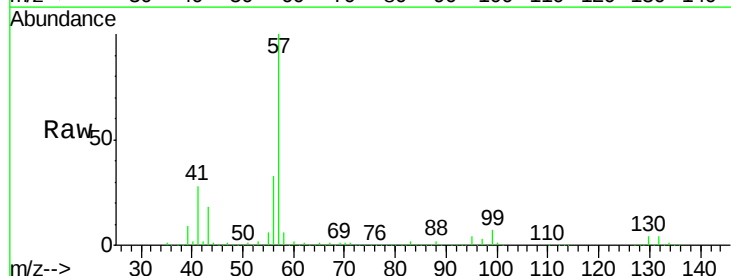
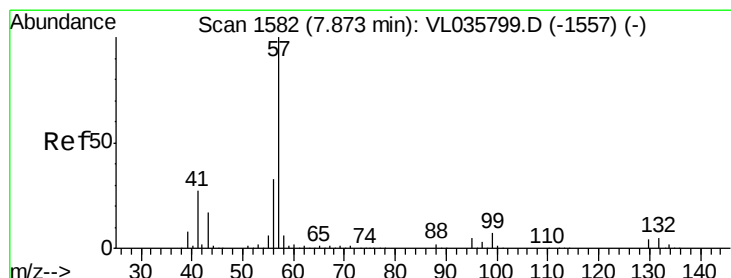
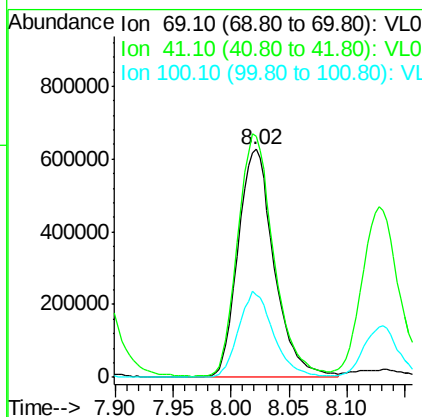
#43
Methvl Methacrylate
Concen: 10.450 ppbv
RT: 8.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tot Ion: 69 Resp: 1353445
Ion Ratio Lower Upper
69 100
41 106.8 81.1 121.7
100 36.6 31.0 46.4

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

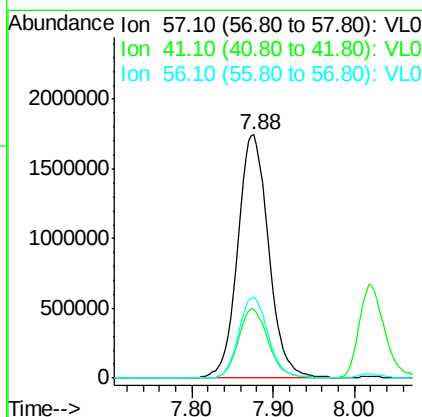
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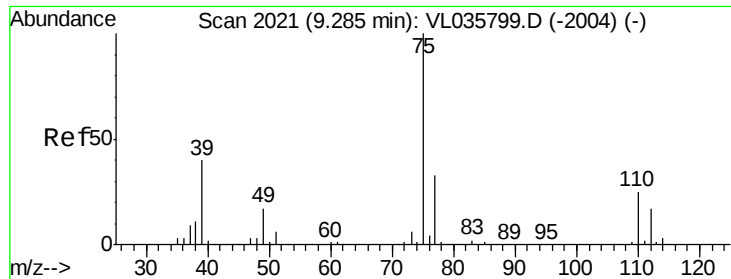
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#44
2,2,4-Trimethylpentane
Concen: 10.156 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion: 57 Resp: 4563543
Ion Ratio Lower Upper
57 100
41 27.6 21.0 31.4
56 32.0 25.4 38.0





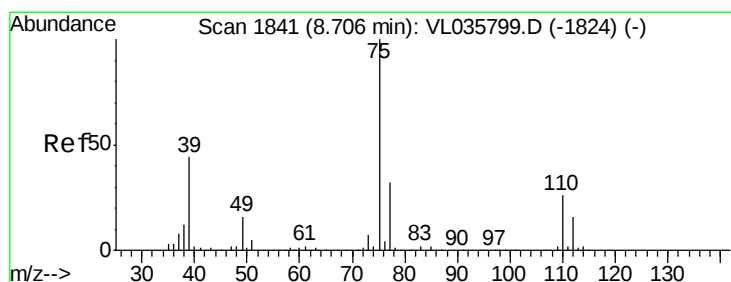
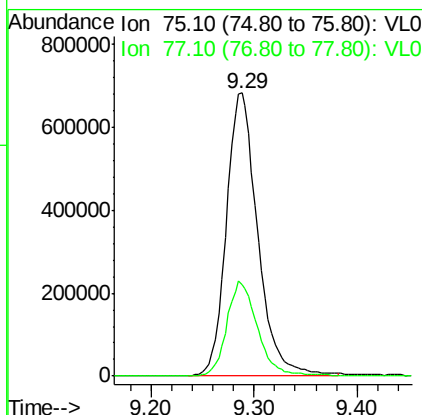
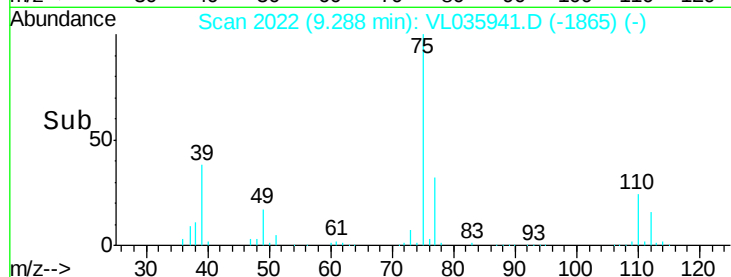
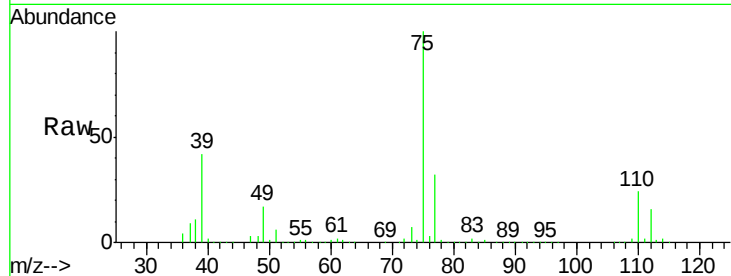
#45
t-1,3-Dichloropropene
Concen: 10.525 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

Tot Ion: 75 Resp: 1444992
Ion Ratio Lower Upper
75 100
77 32.3 26.4 39.6

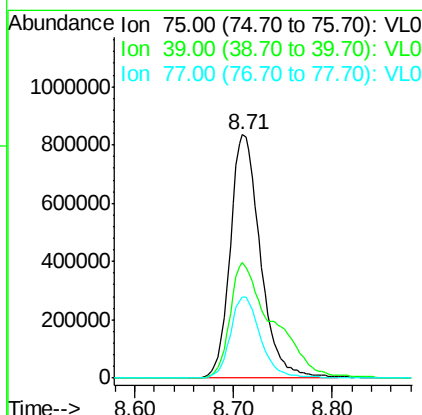
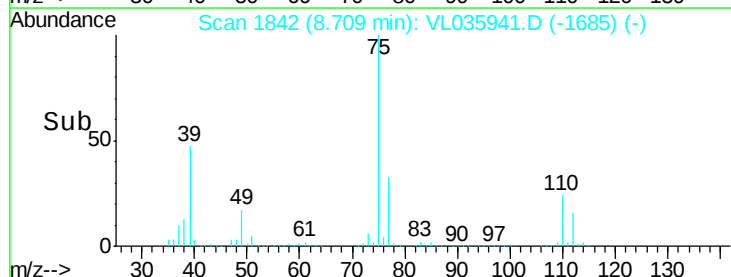
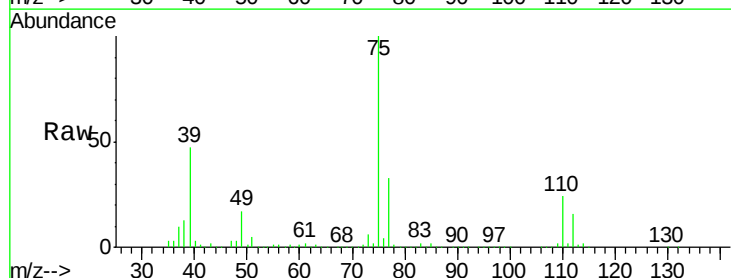
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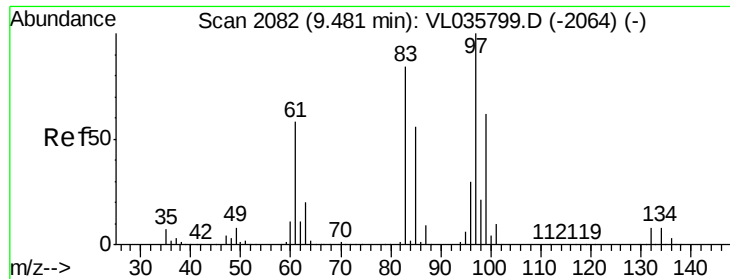
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#46
cis-1,3-Dichloropropene
Concen: 10.275 ppbv
RT: 8.71 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion: 75 Resp: 1786517
Ion Ratio Lower Upper
75 100
39 47.4 35.1 52.7
77 33.2 25.7 38.5





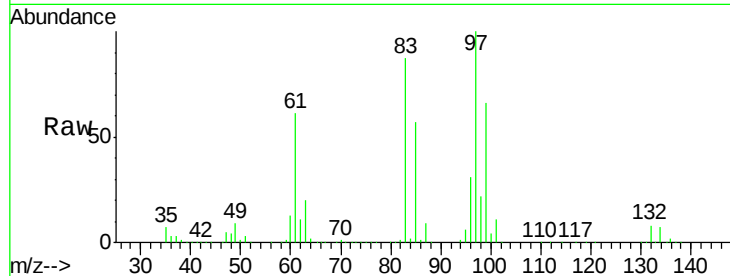
#47
 1,1,2-Trichloroethane
 Concen: 9.784 ppbv
 RT: 9.48 min Scan# 2083
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1116ABS01

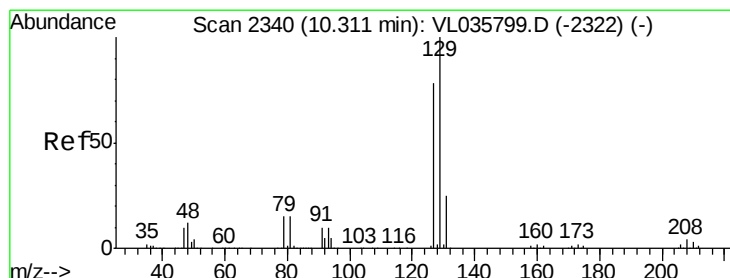
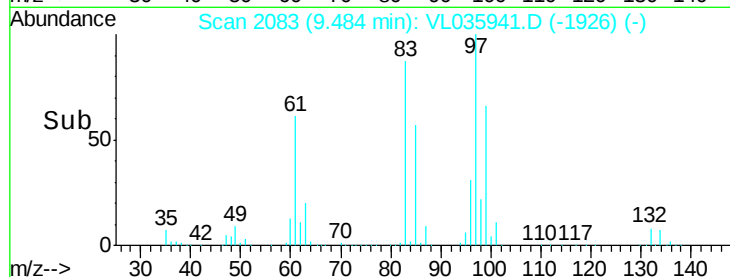
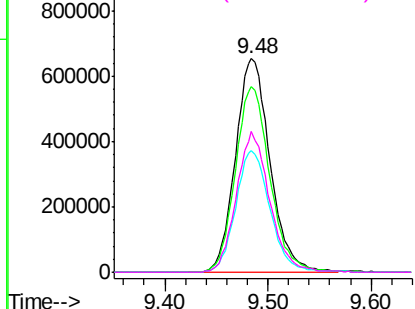
Tot Ion: 97 Resp: 1523964
 Ion Ratio Lower Upper
 97 100
 83 86.8 67.1 100.7
 85 57.0 44.7 67.1
 99 65.9 49.7 74.5

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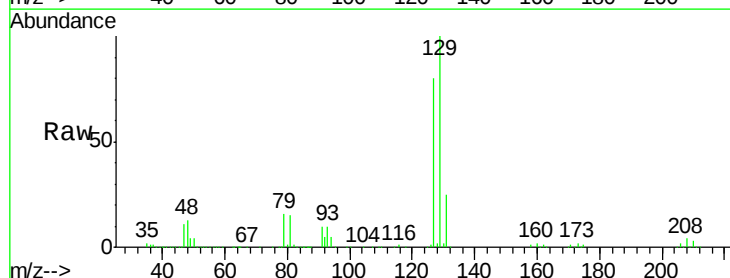


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

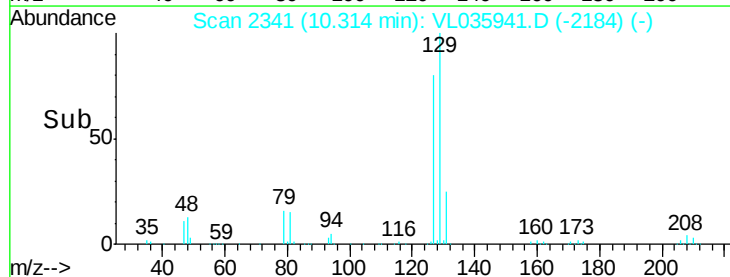
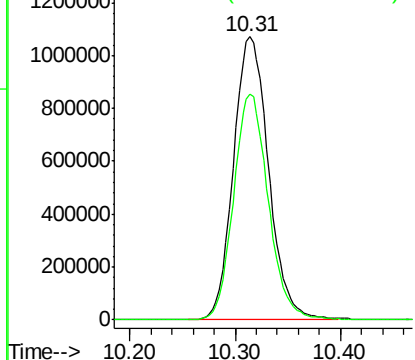


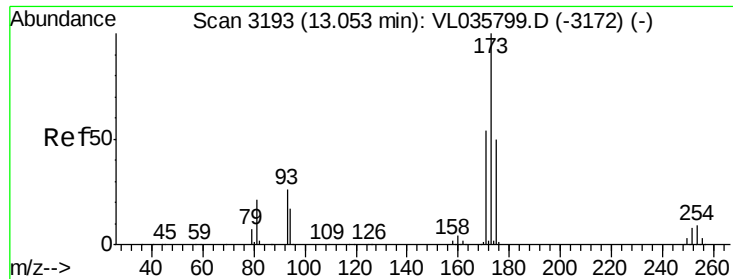
#48
 Dibromochloromethane
 Concen: 10.418 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Tgt Ion: 129 Resp: 2479266
 Ion Ratio Lower Upper
 129 100
 127 79.0 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: 10.580 ppbv

RT: 13.05 min Scan# 3193

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion:173 Resp: 2124569

Ion Ratio Lower Upper

173 100

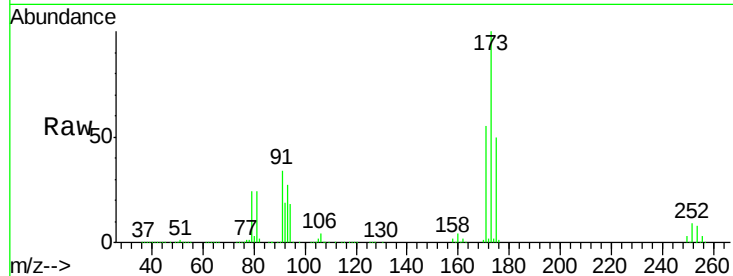
175 49.9 40.1 60.1

171 53.7 42.6 63.8

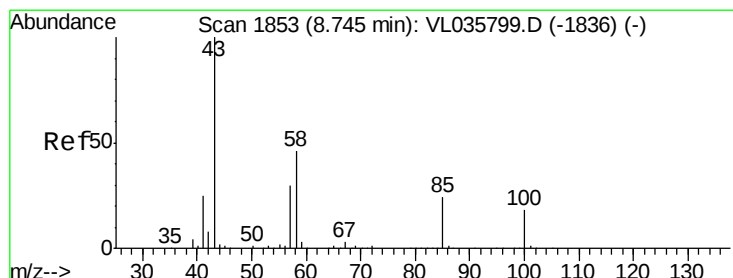
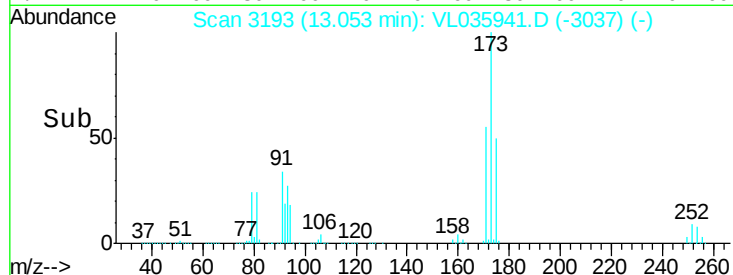
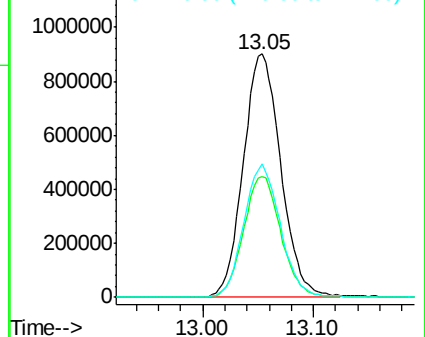
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.274 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VL035941.D

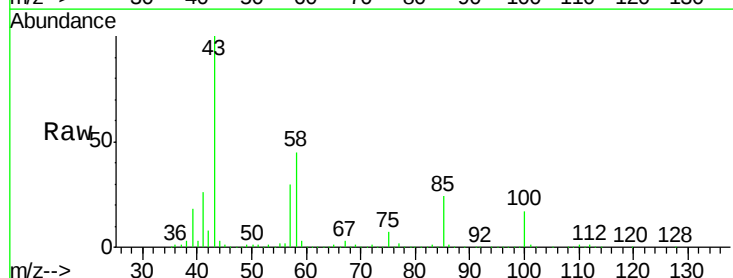
Acq: 16 Nov 2020 12:43

Tgt Ion: 43 Resp: 2555358

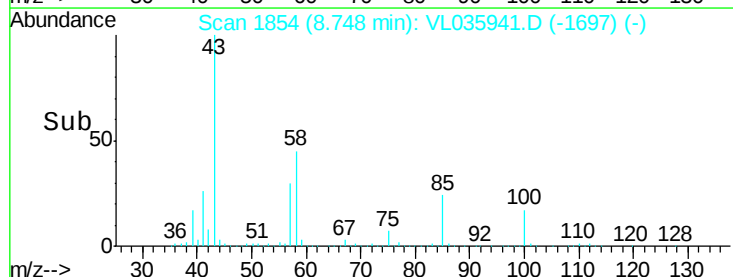
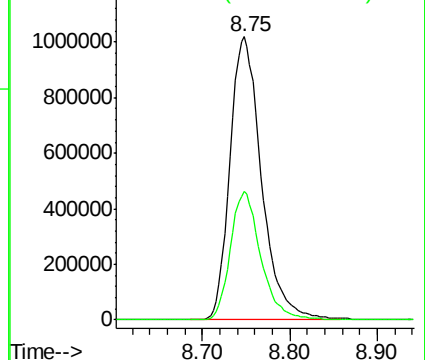
Ion Ratio Lower Upper

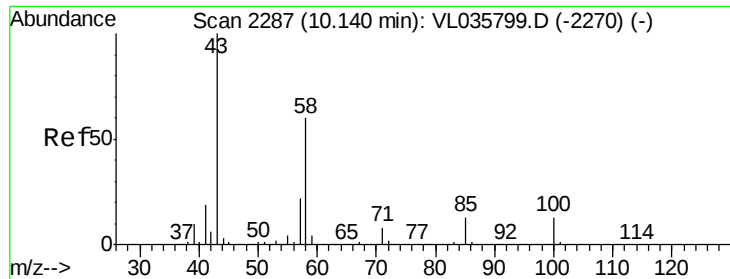
43 100

58 43.8 36.0 54.0



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





#51

2-Hexanone

Concen: 11.640 ppbv

RT: 10.14 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion: 43 Resp: 2119293

Ion Ratio Lower Upper

43 100

58 58.4 48.3 72.5

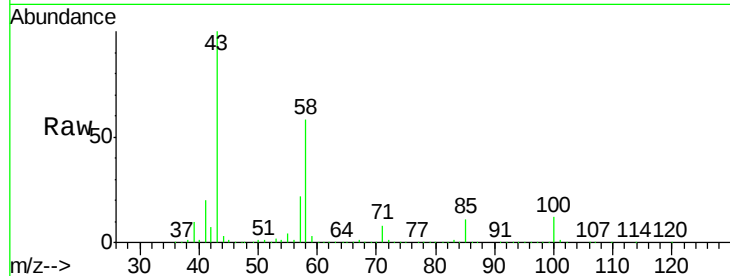
98 0.9 0.6 0.8#

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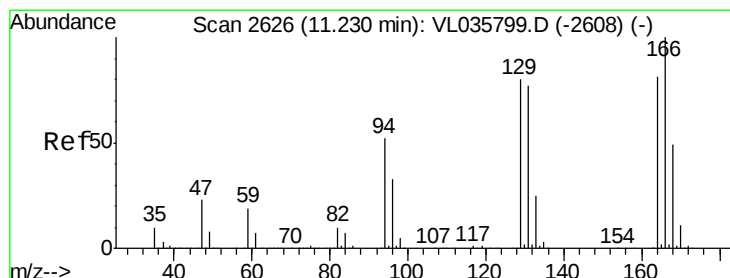
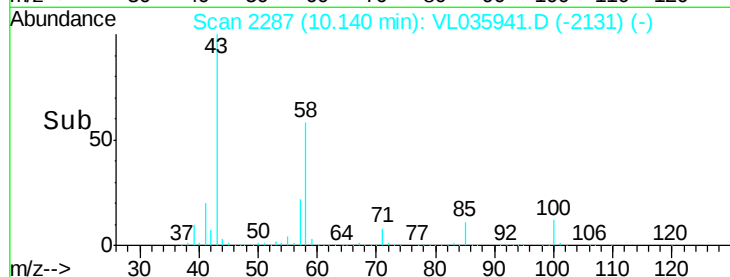
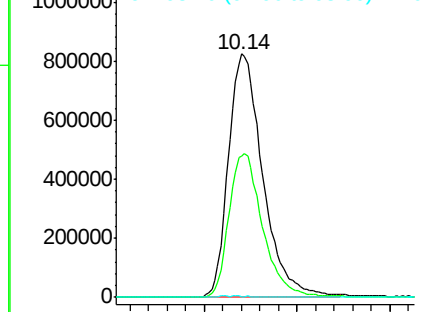
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.580 ppbv

RT: 11.23 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Tgt Ion: 164 Resp: 1380196

Ion Ratio Lower Upper

164 100

166 121.8 99.3 148.9

129 101.5 79.3 118.9

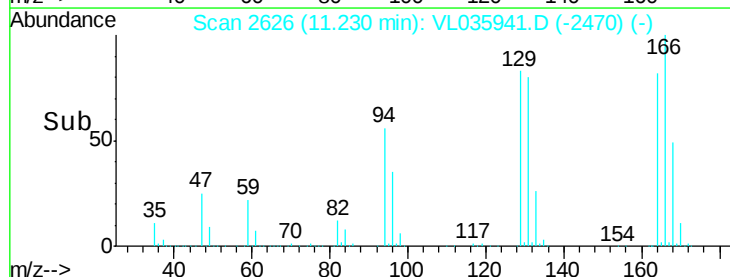
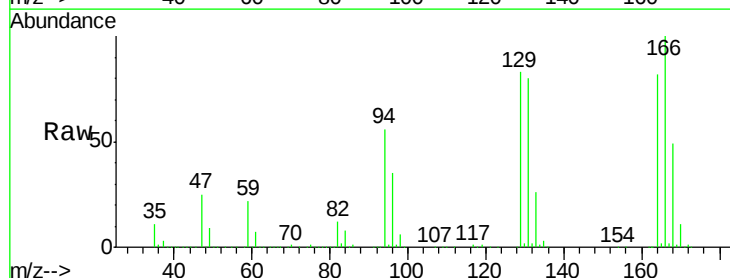
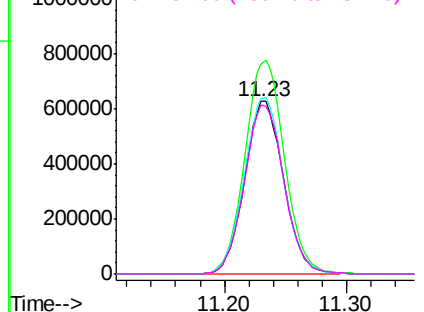
131 97.8 76.5 114.7

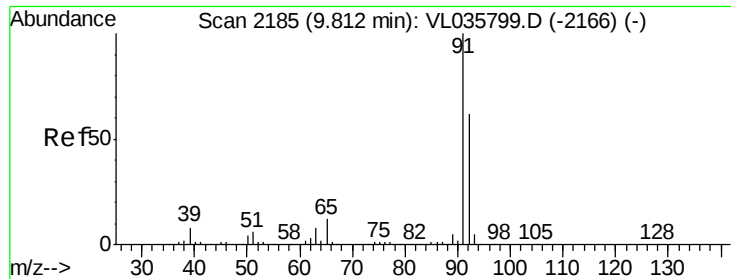
Abundance Ion 163.90 (163.60 to 164.60): V

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: 9.641 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion: 91 Resp: 3950072

Ion Ratio Lower Upper

91 100

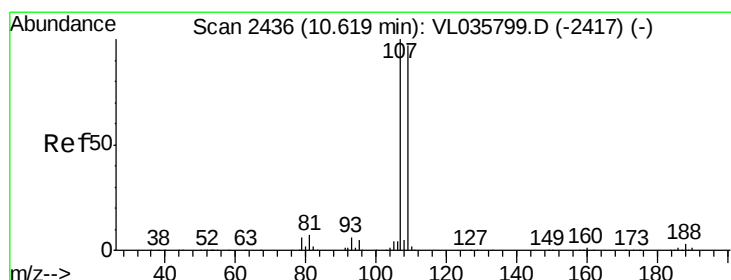
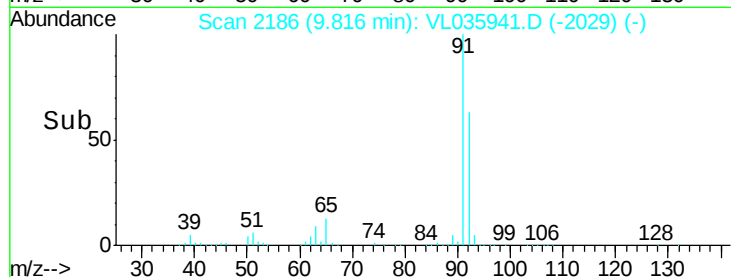
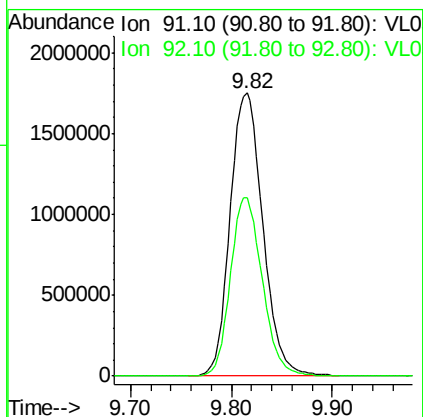
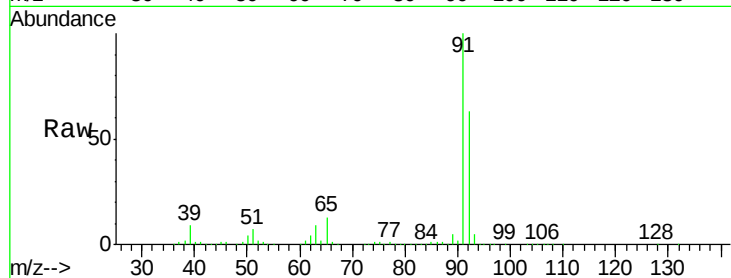
92 61.7 49.8 74.6

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#54

1,2-Dibromoethane

Concen: 9.729 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL035941.D

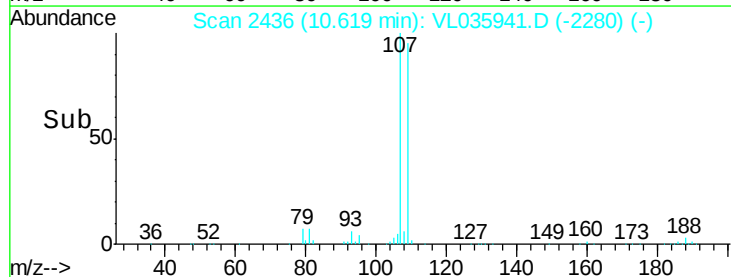
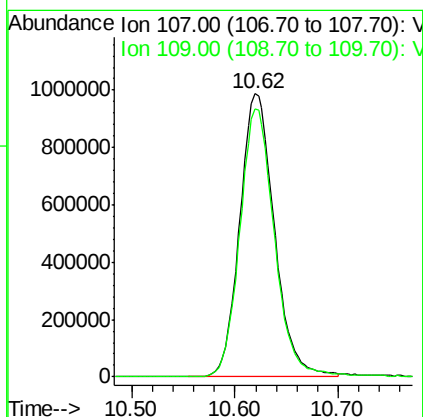
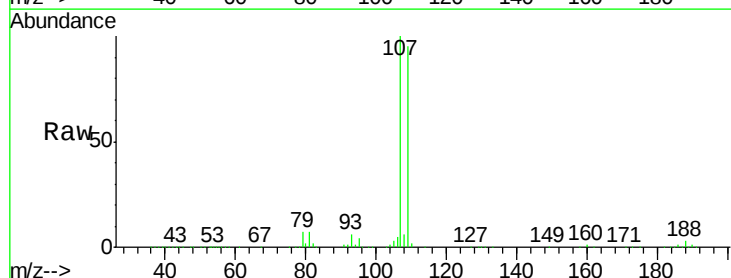
Acq: 16 Nov 2020 12:43

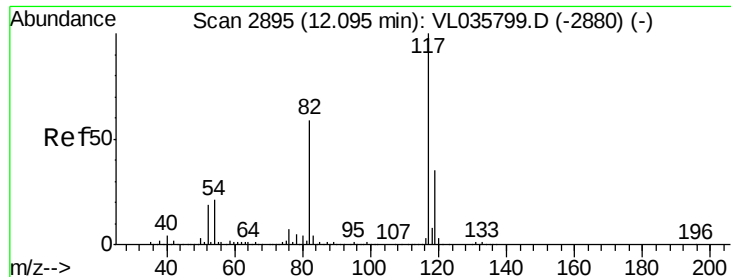
Tgt Ion: 107 Resp: 2304706

Ion Ratio Lower Upper

107 100

109 94.7 77.2 115.8





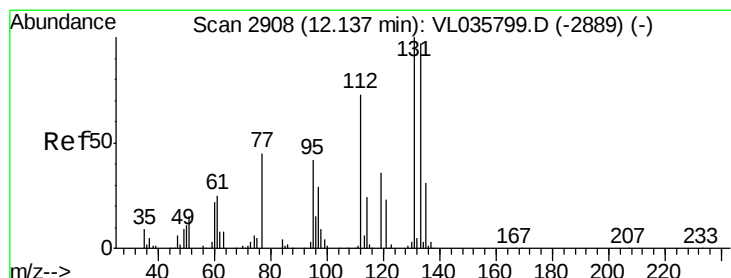
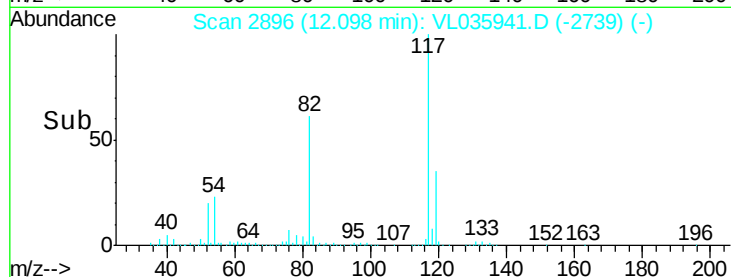
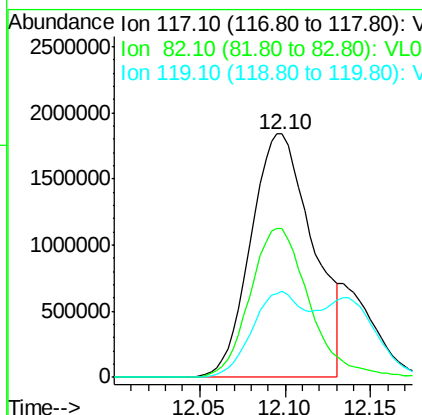
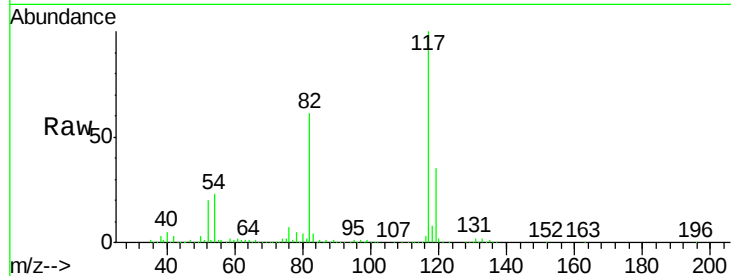
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

Tot Ion:117 Resp: 4640313
Ion Ratio Lower Upper
117 100
82 58.9 50.6 76.0
119 33.9 52.6 78.8#

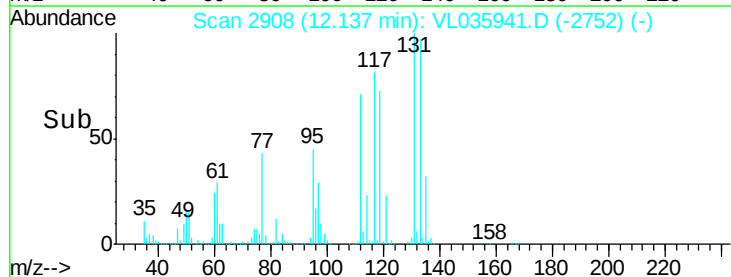
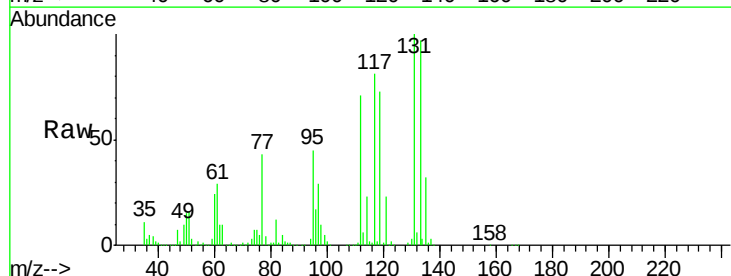
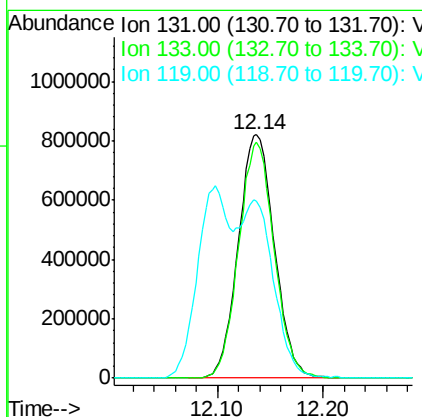
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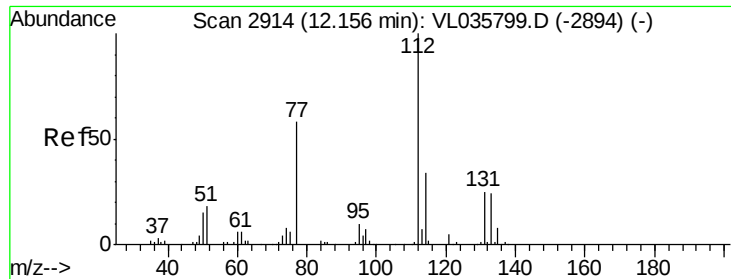
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.371 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion:131 Resp: 1951730
Ion Ratio Lower Upper
131 100
133 95.6 76.8 115.2
119 61.7 47.4 71.0





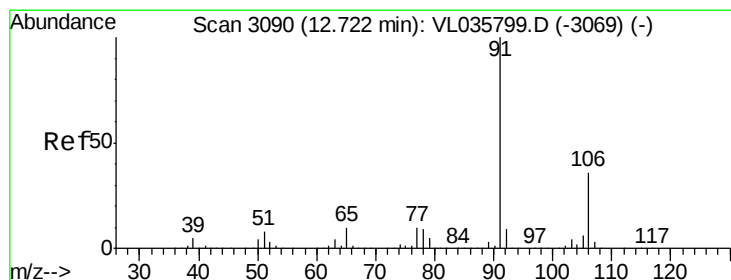
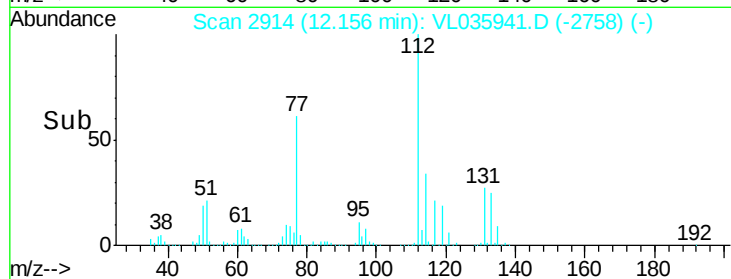
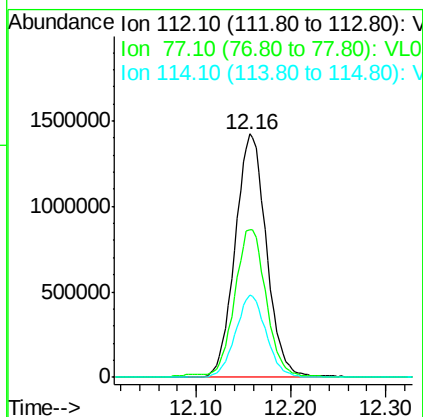
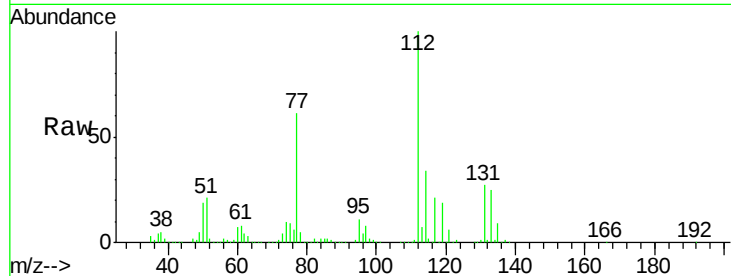
#57
Chlorobenzene
Concen: 8.873 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

Tot Ion: 112 Resp: 3273692
Ion Ratio Lower Upper
112 100
77 60.4 47.5 71.3
114 33.7 30.3 37.1

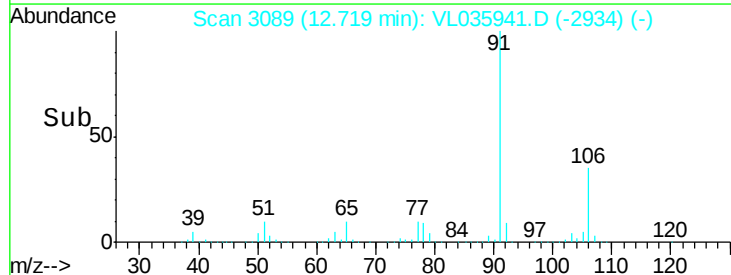
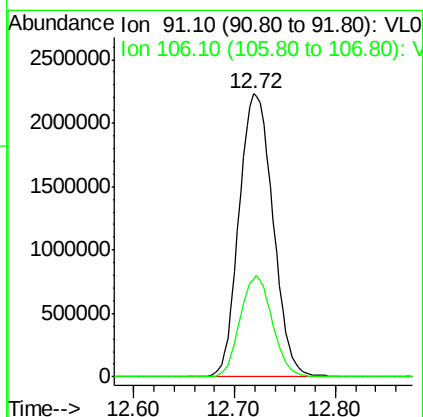
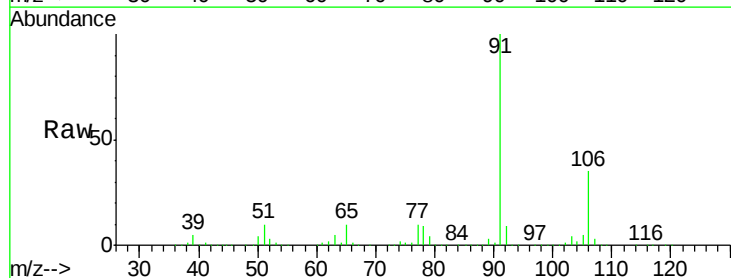
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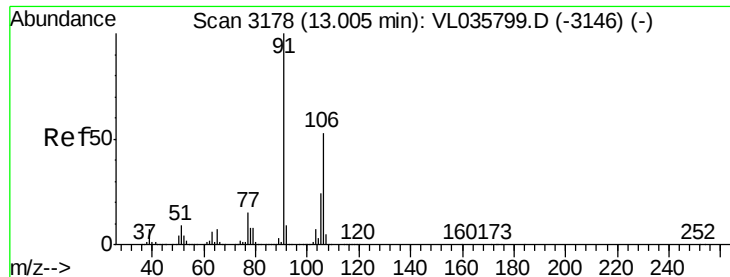
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#58
Ethyl Benzene
Concen: 9.210 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion: 91 Resp: 5205080
Ion Ratio Lower Upper
91 100
106 34.7 28.6 43.0





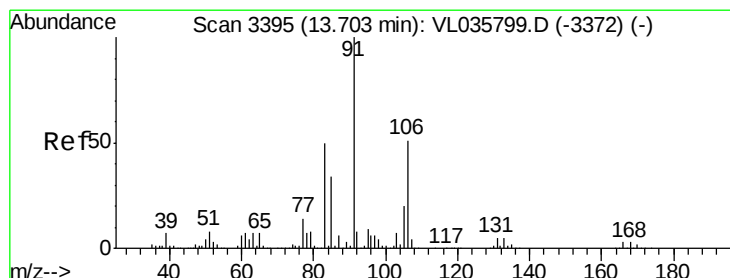
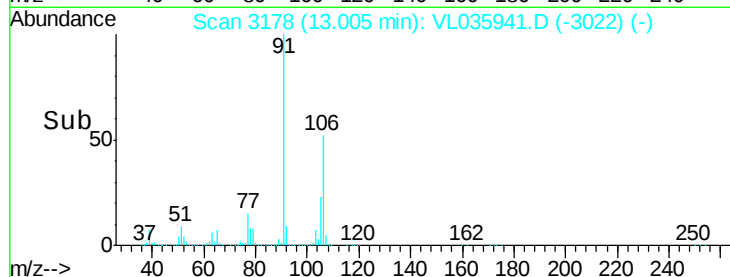
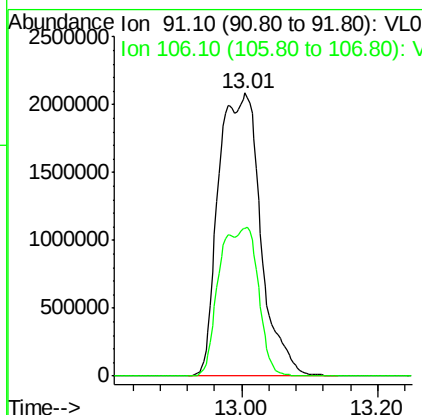
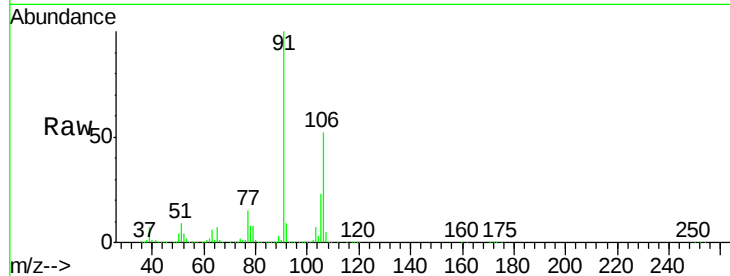
#59
m/p-Xylene
Concen: 18.753 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

Tot Ion: 91 Resp: 8966711
Ion Ratio Lower Upper
91 100
106 48.7 39.5 59.3

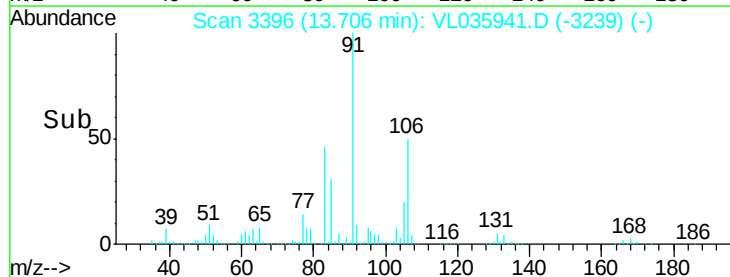
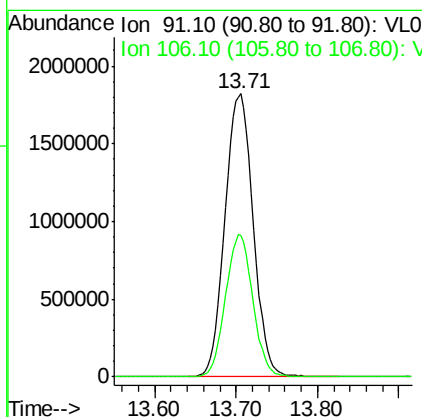
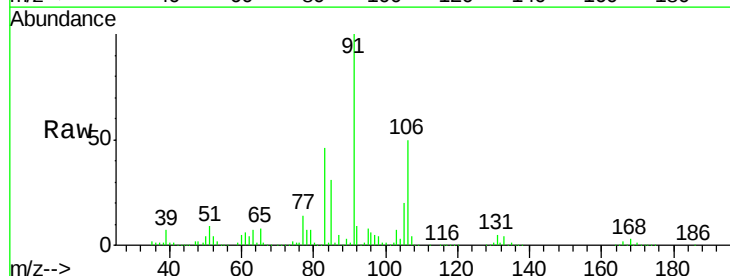
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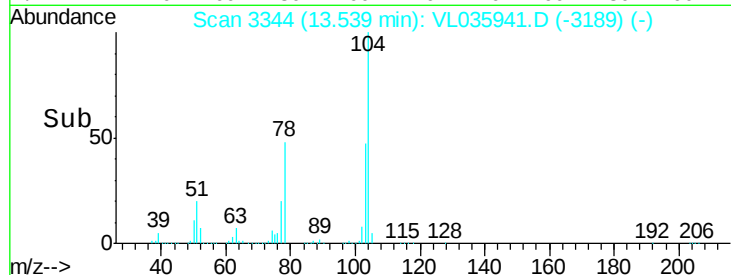
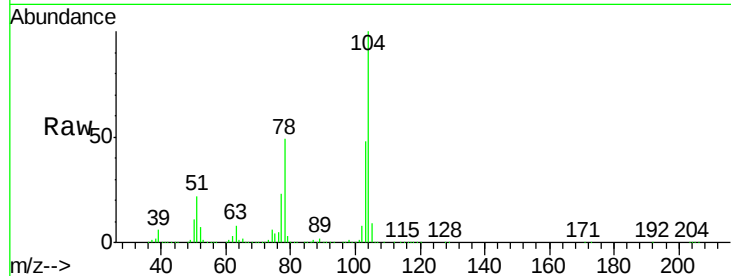
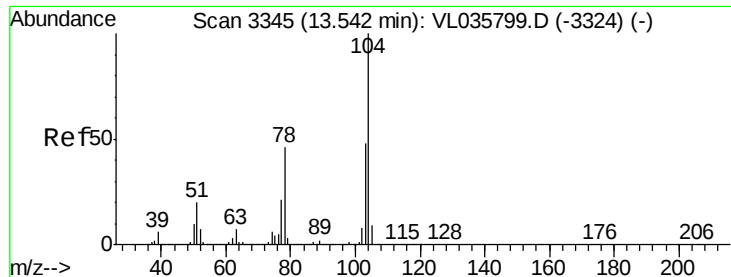
MMDadoda
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#60
o-Xylene
Concen: 9.537 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion: 91 Resp: 4435901
Ion Ratio Lower Upper
91 100
106 48.7 24.8 74.4





#61

Stvrene

Concen: 9.614 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion:104 Resp: 3276726

Ion Ratio Lower Upper

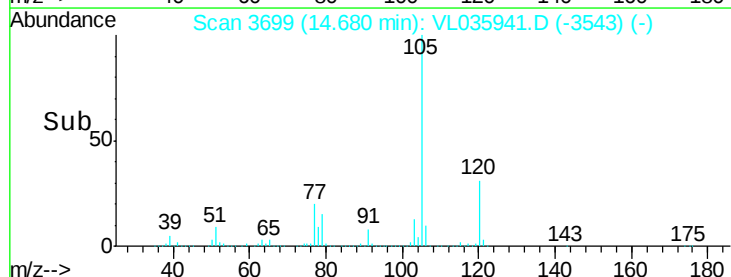
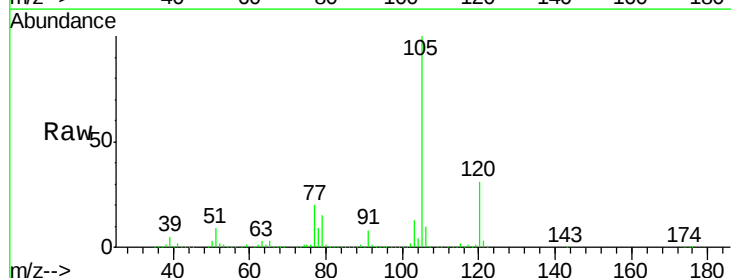
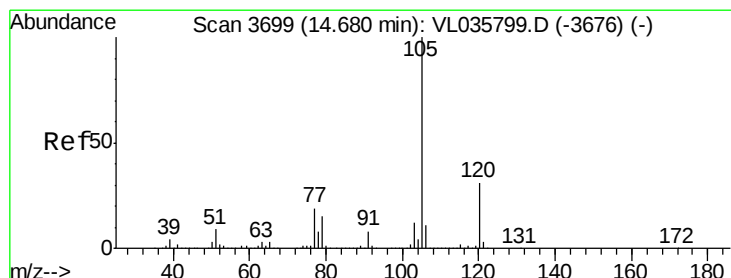
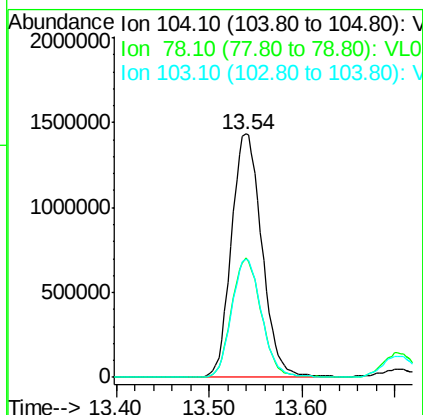
104 100

78 48.2 37.1 55.7

103 47.7 37.9 56.9

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#62

Isopropylbenzene

Concen: 8.945 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. 0.00 min

Lab File: VL035941.D

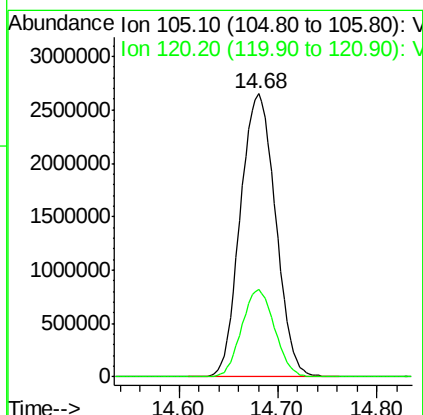
Acq: 16 Nov 2020 12:43

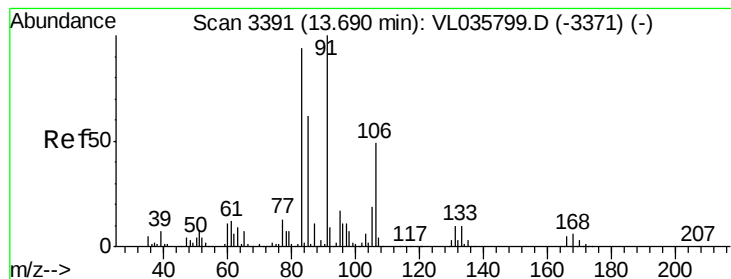
Tgt Ion:105 Resp: 6539338

Ion Ratio Lower Upper

105 100

120 29.1 23.5 35.3





#63

1,1,2,2-Tetrachloroethane

Concen: 9.136 ppbv

RT: 13.69 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion: 83 Resp: 3292672

Ion Ratio Lower Upper

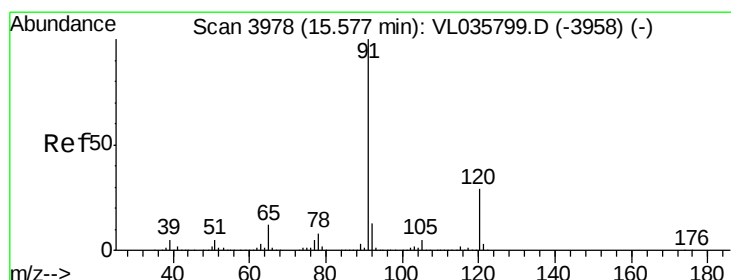
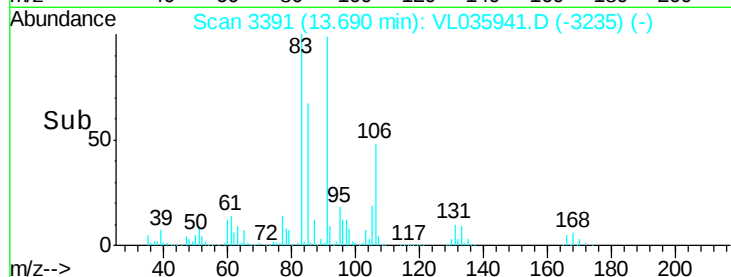
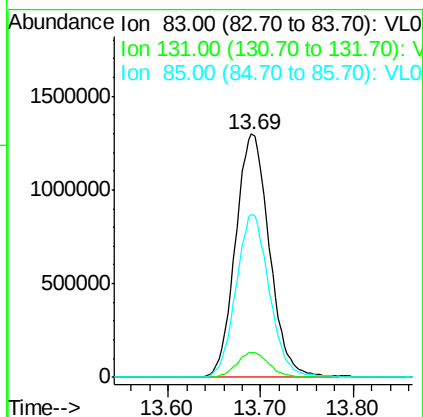
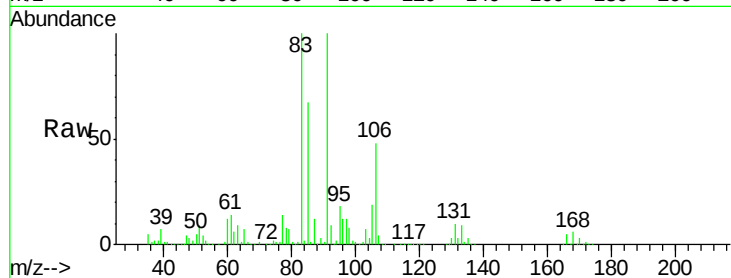
83 100

131 10.0 5.3 15.8

85 66.2 33.5 100.4

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#64

n-propylbenzene

Concen: 9.253 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. -0.00 min

Lab File: VL035941.D

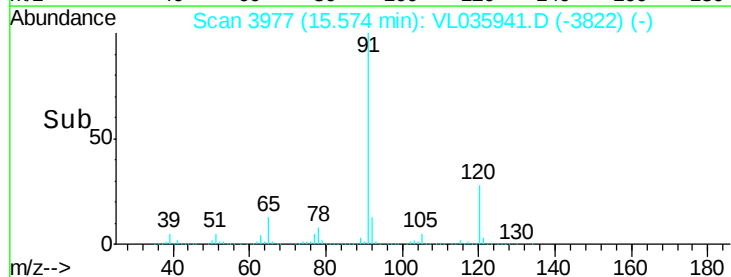
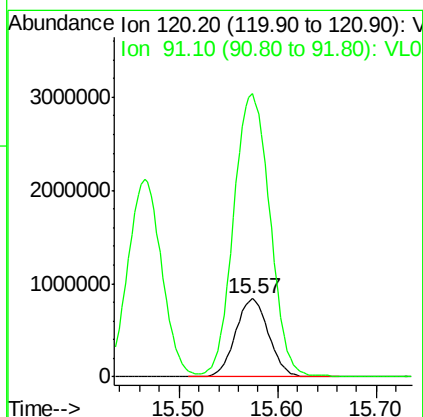
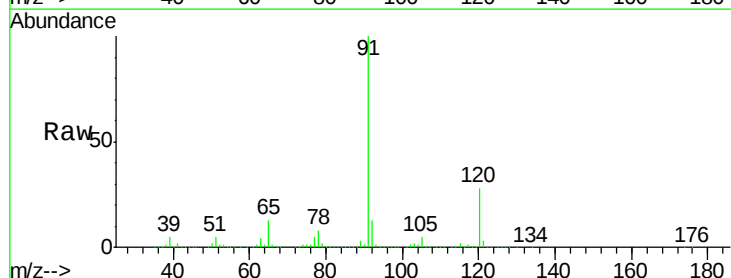
Acq: 16 Nov 2020 12:43

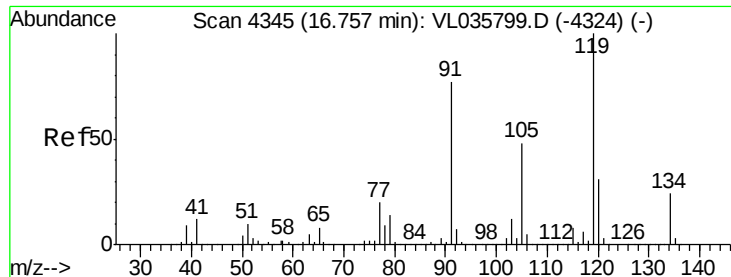
Tgt Ion: 120 Resp: 1955356

Ion Ratio Lower Upper

120 100

91 397.6 311.1 466.7





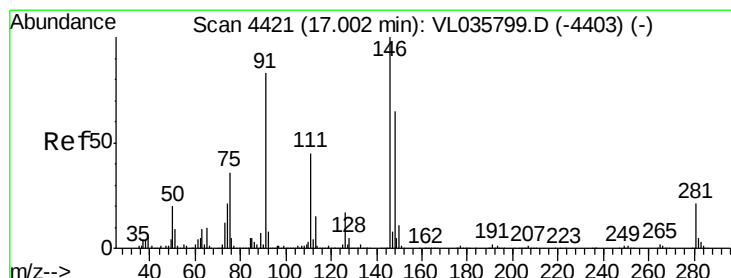
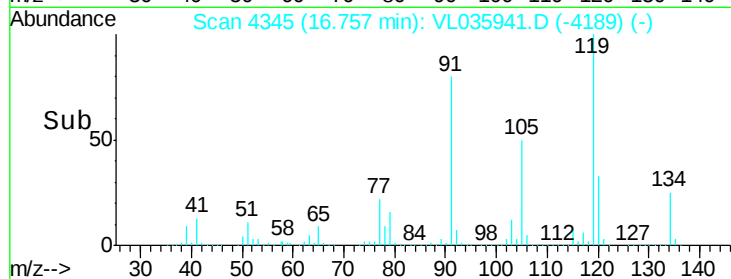
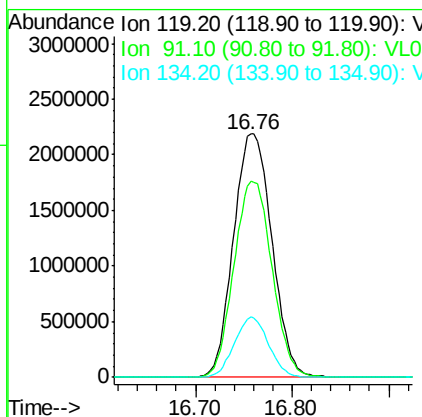
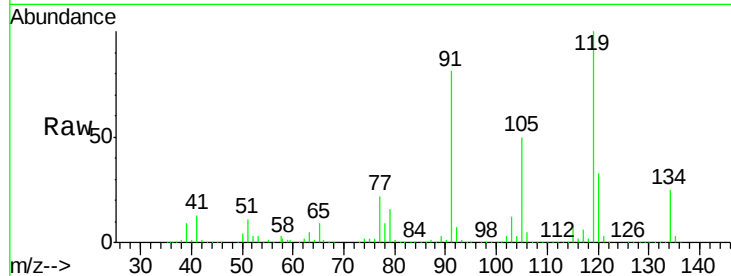
#65
tert-Butylbenzene
Concen: 9.084 ppbv
RT: 16.76 min Scan# 4345
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

Tot Ion: 119 Resp: 6044873
Ion Ratio Lower Upper
119 100
91 80.0 62.0 93.0
134 22.0 17.8 26.8

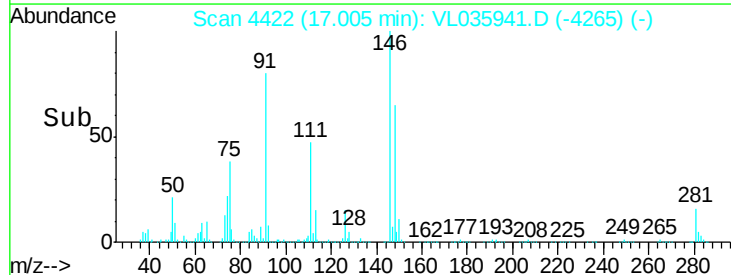
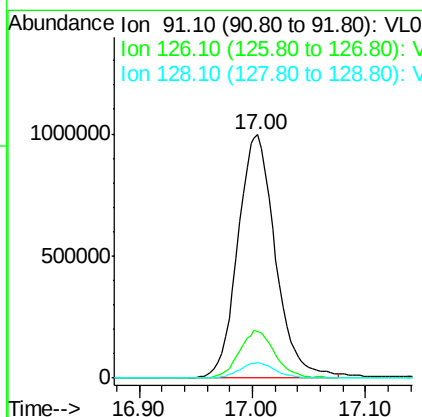
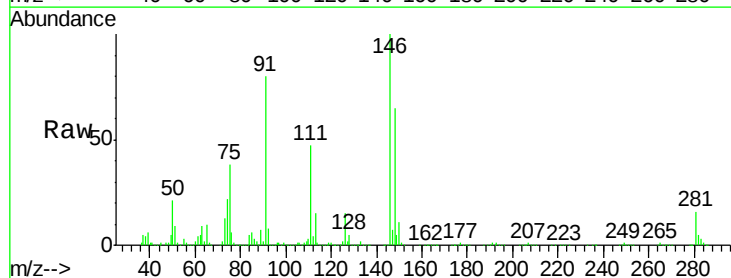
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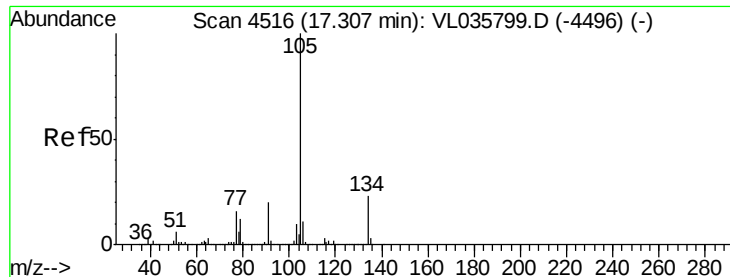
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#66
Benzyl Chloride
Concen: 10.429 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion: 91 Resp: 2294018
Ion Ratio Lower Upper
91 100
126 18.9 16.0 24.0
128 6.1 5.0 7.4





#67

sec-Butylbenzene

Concen: 9.131 ppbv

RT: 17.31 min Scan# 4516

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion:105 Resp: 8188558

Ion Ratio Lower Upper

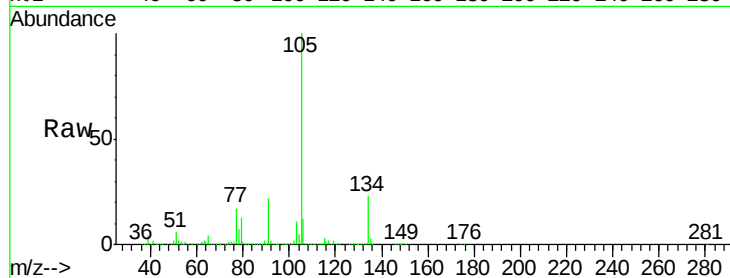
105 100

134 20.9 17.0 25.6

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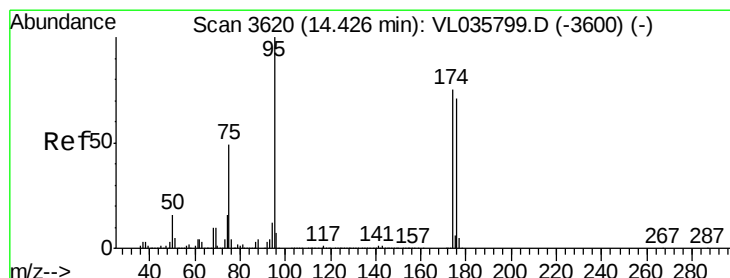
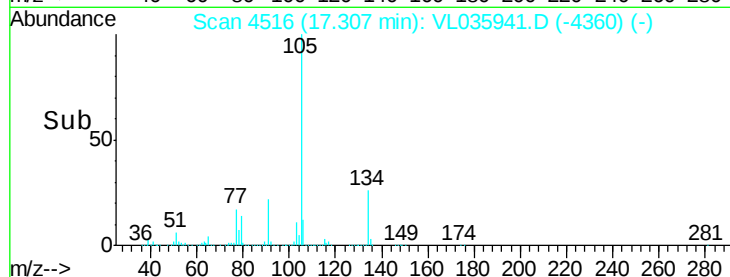
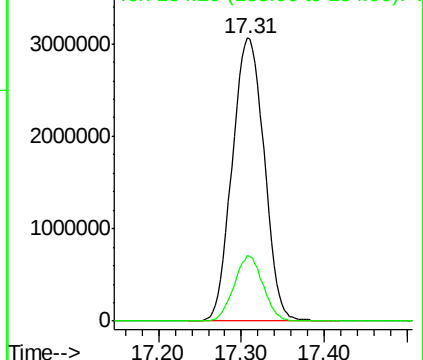
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.441 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

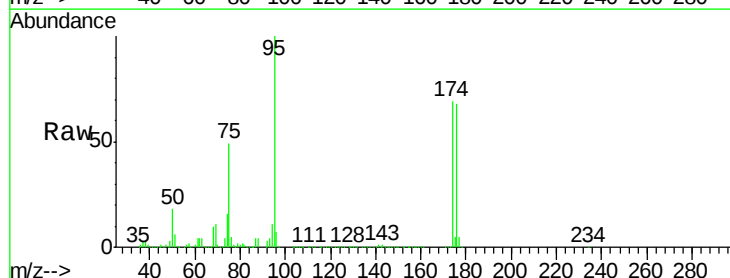
Tgt Ion: 95 Resp: 3442217

Ion Ratio Lower Upper

95 100

174 70.4 59.8 89.6

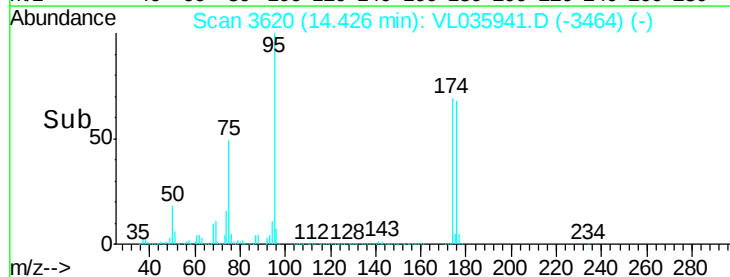
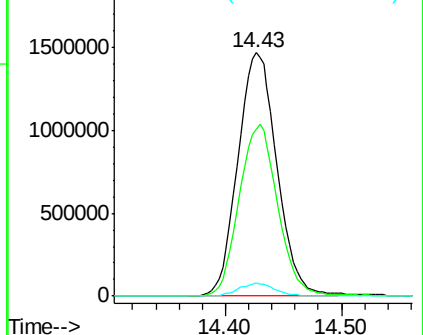
175 5.0 4.3 6.5

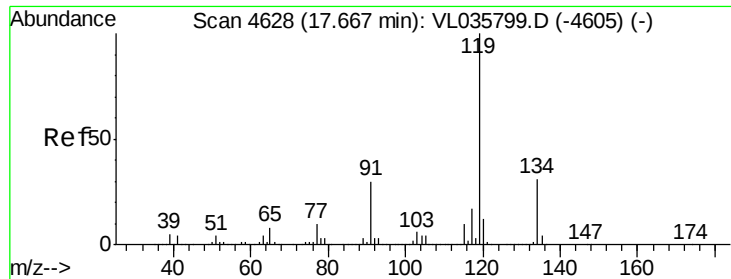


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





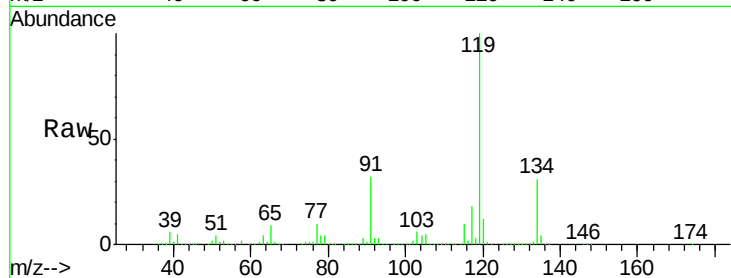
#69
p-Isopropyltoluene
Concen: 9.288 ppbv
RT: 17.67 min Scan# 4628
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

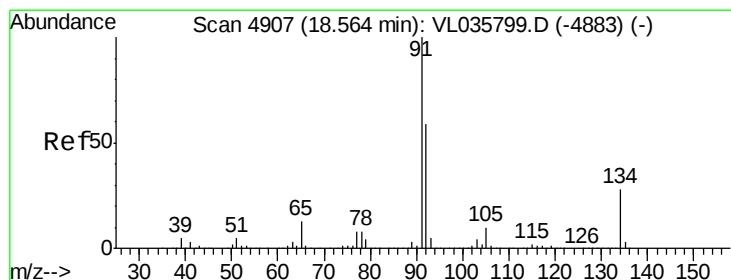
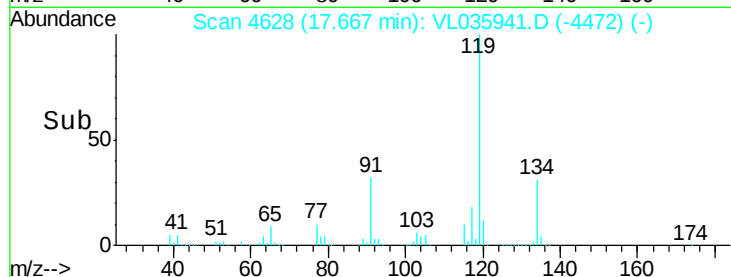
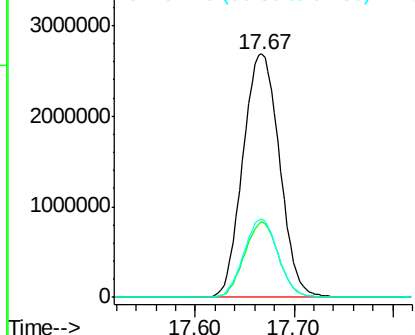
Tot Ion:119 Resp: 6873743
Ion Ratio Lower Upper
119 100
134 28.8 23.0 34.6
91 30.0 22.8 34.2

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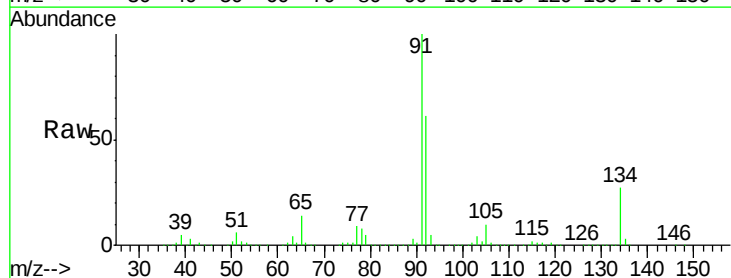


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): VL0

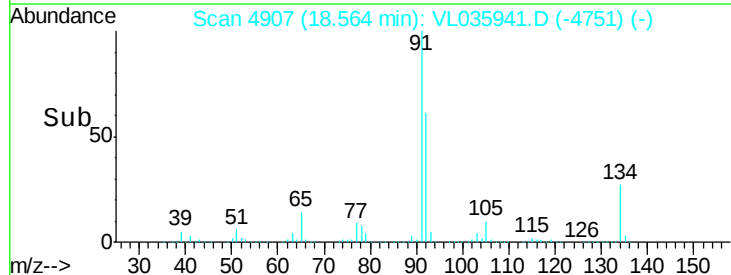
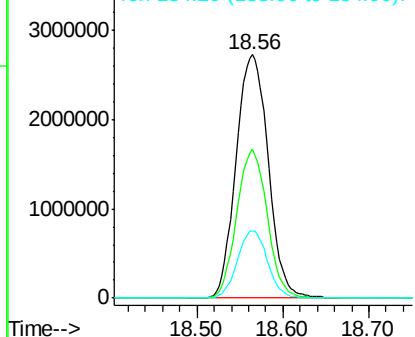


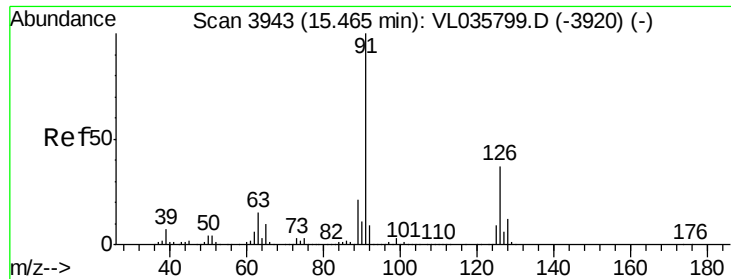
#70
n-Butylbenzene
Concen: 9.942 ppbv
RT: 18.56 min Scan# 4907
Delta R.T. 0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion: 91 Resp: 7085461
Ion Ratio Lower Upper
91 100
92 58.0 45.7 68.5
134 25.8 21.0 31.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.483 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion: 91 Resp: 5071076

Ion Ratio Lower Upper

91 100

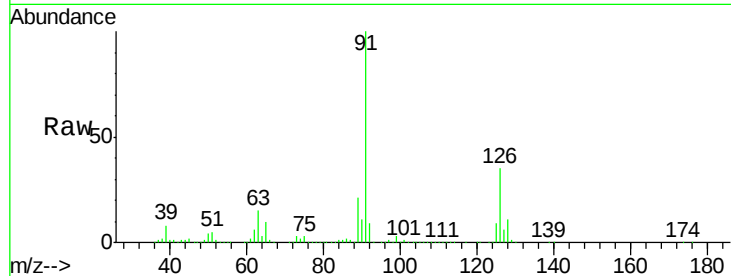
126 34.3 14.3 57.1

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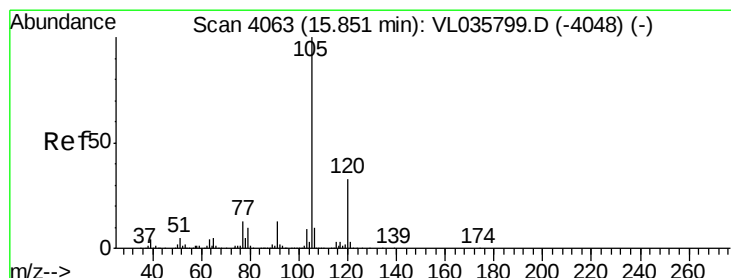
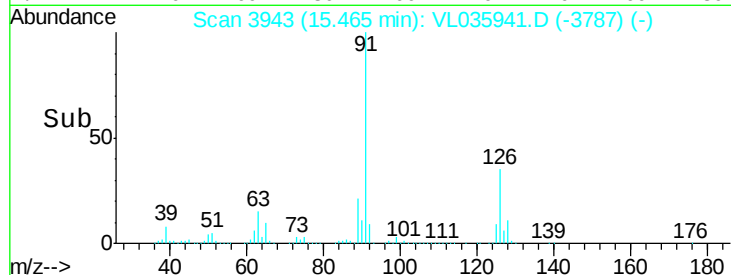
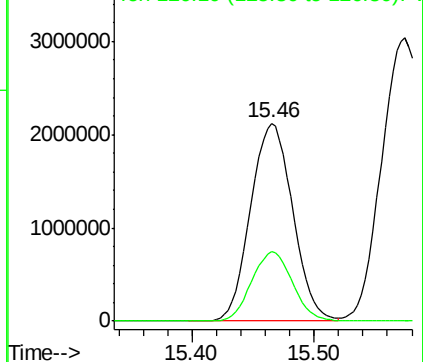
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 9.418 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Tgt Ion:105 Resp: 5313308

Ion Ratio Lower Upper

105 100

120 32.4 25.9 38.9

91 13.0 9.9 14.9

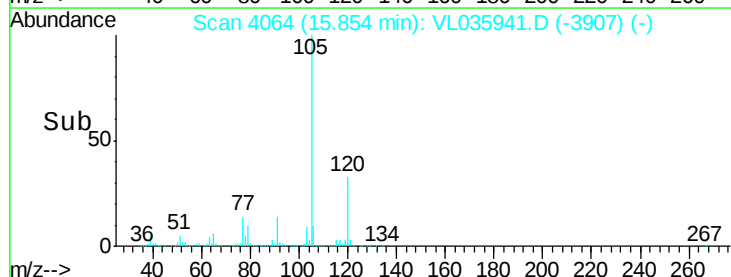
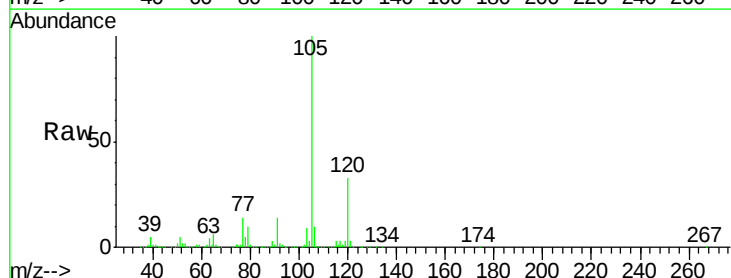
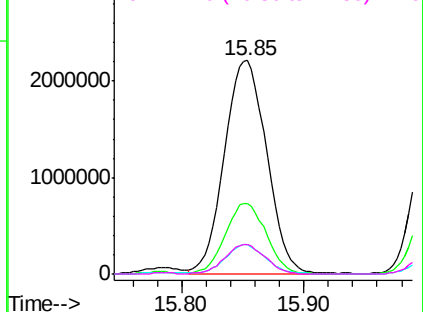
77 13.3 10.2 15.2

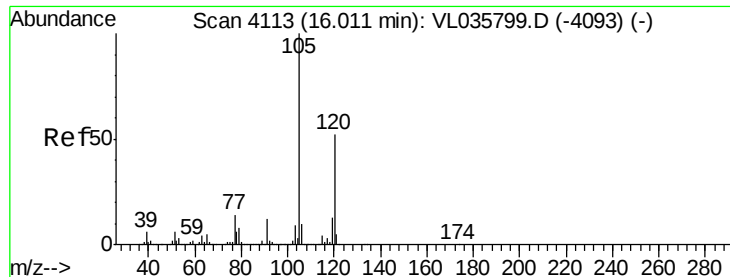
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.653 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Instrument :

MSVOA_L

ClientSampleId :

VL1116ABS01

Tot Ion:105 Resp: 4983432

Ion Ratio Lower Upper

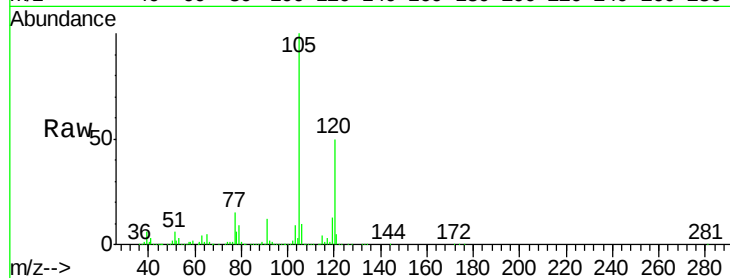
105 100

120 50.2 41.4 62.2

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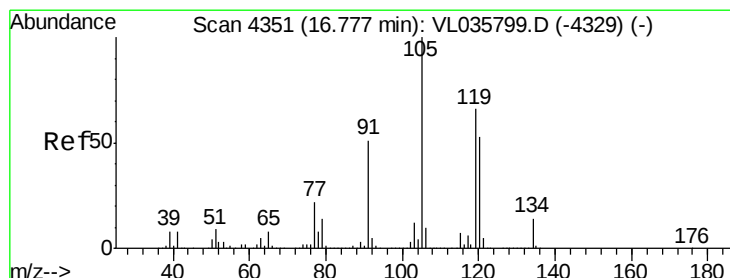
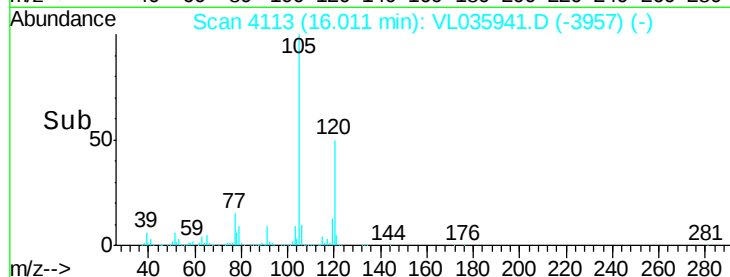
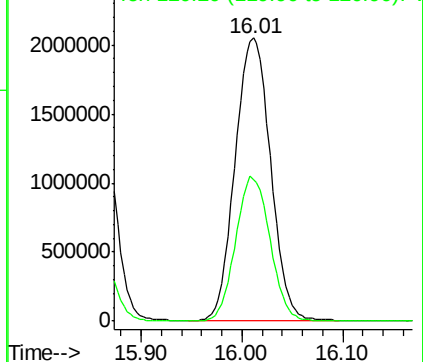
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.547 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL035941.D

Acq: 16 Nov 2020 12:43

Tgt Ion:105 Resp: 5281069

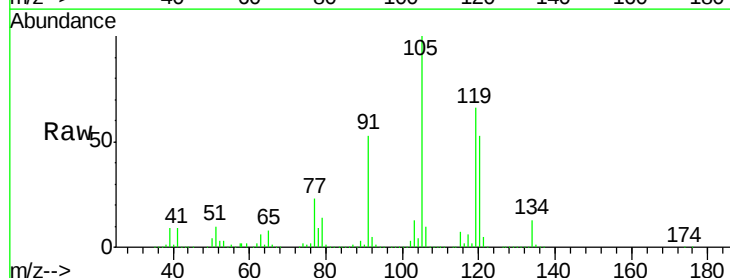
Ion Ratio Lower Upper

105 100

120 53.3 42.0 63.0

91 52.6 41.0 61.6

77 22.6 17.3 25.9

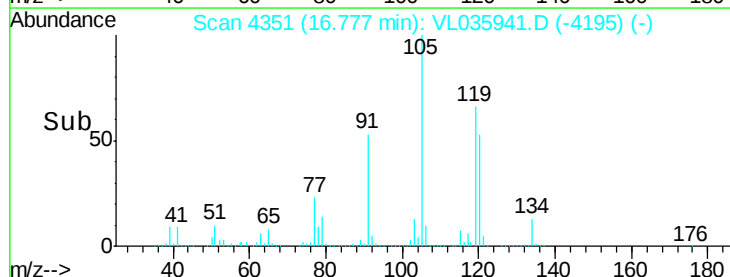
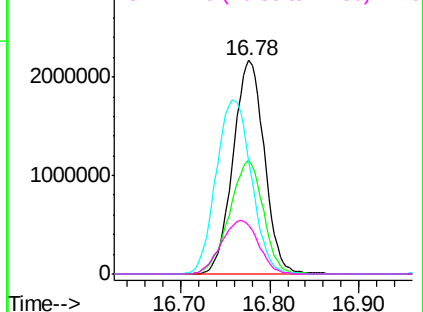


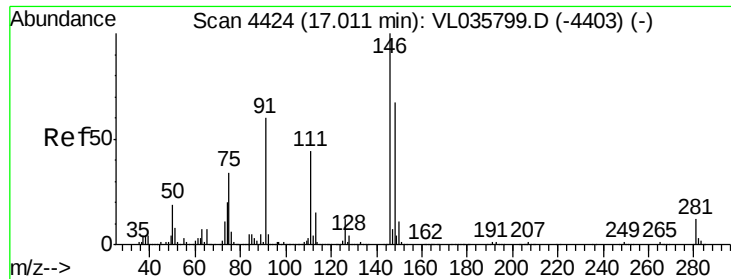
Abundance Ion 105.10 (104.80 to 105.80): V

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





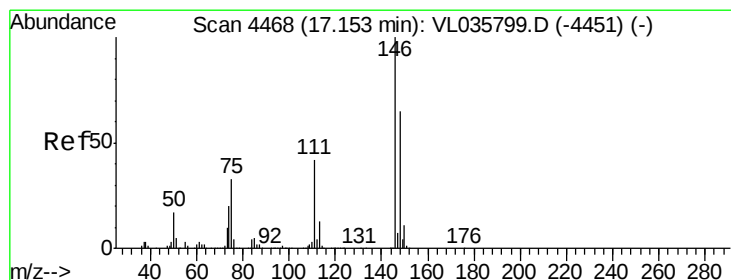
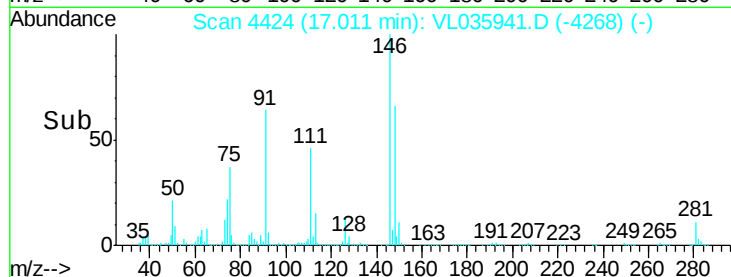
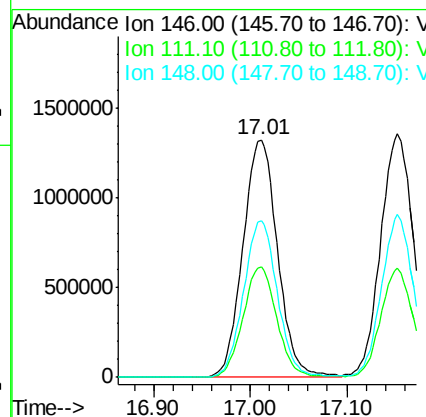
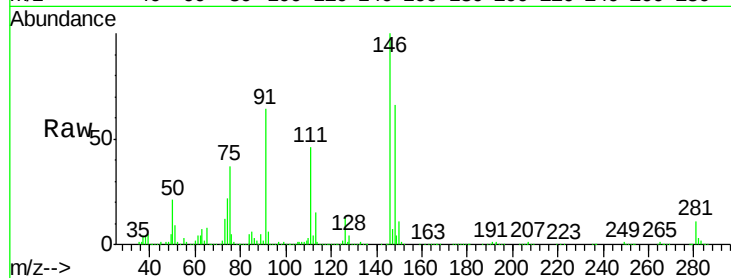
#75
 1,3-Dichlorobenzene
 Concen: 9.339 ppbv
 RT: 17.01 min Scan# 4424
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1116ABS01

Tot Ion:146 Resp: 3289449
 Ion Ratio Lower Upper
 146 100
 111 45.6 21.8 65.4
 148 64.6 32.5 97.5

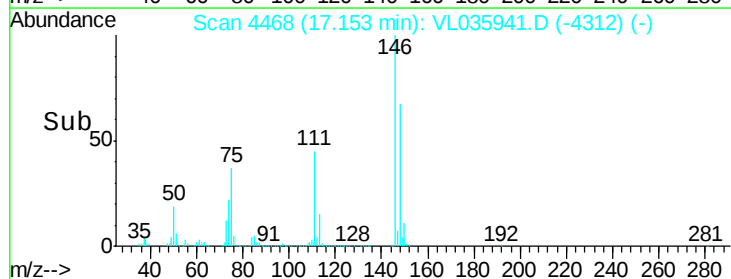
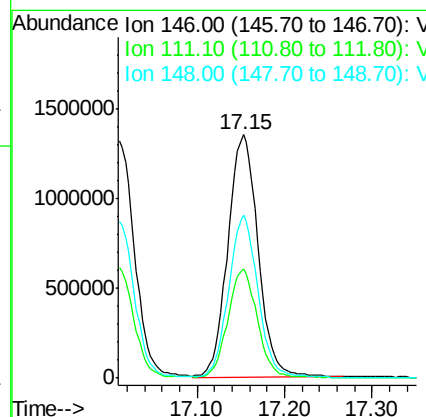
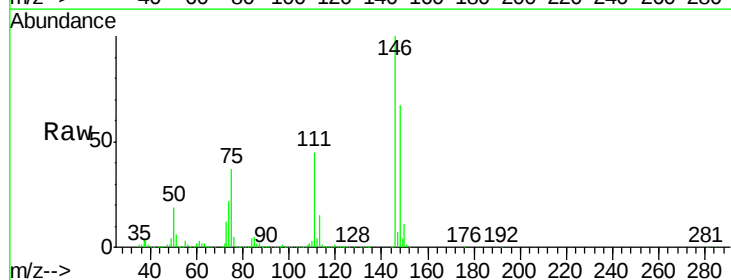
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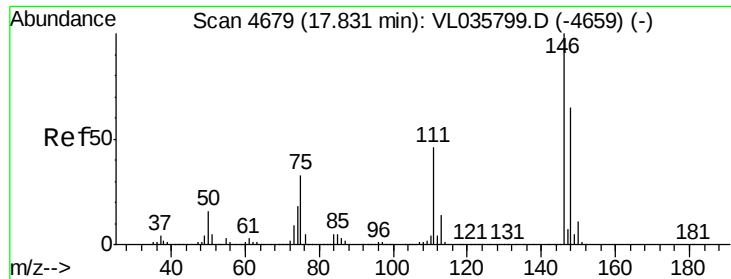
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#76
 1,4-Dichlorobenzene
 Concen: 9.561 ppbv
 RT: 17.15 min Scan# 4468
 Delta R.T. 0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Tgt Ion:146 Resp: 3248545
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.3 63.7
 148 65.1 33.0 99.0





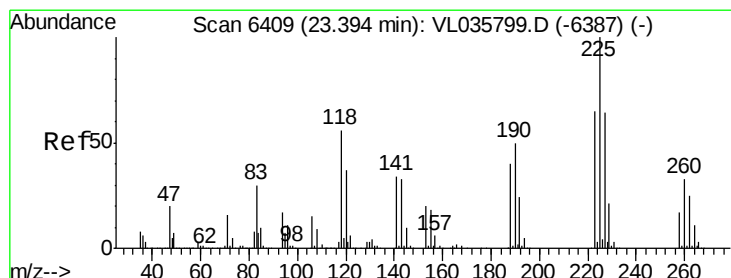
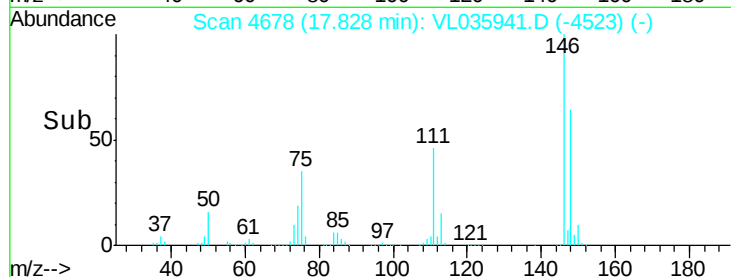
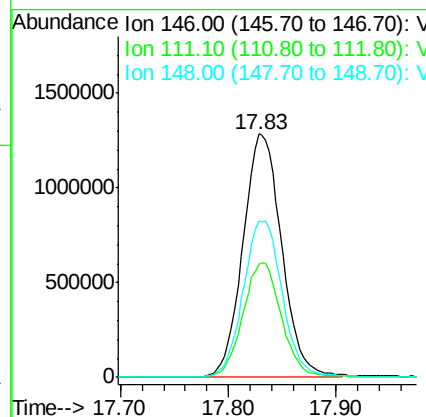
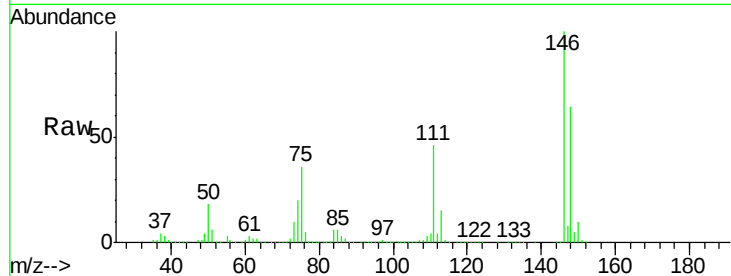
#77
 1,2-Dichlorobenzene
 Concen: 9.314 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. -0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1116ABS01

Tot Ion:146 Resp: 3198163
 Ion Ratio Lower Upper
 146 100
 111 47.0 22.4 67.0
 148 65.1 32.5 97.5

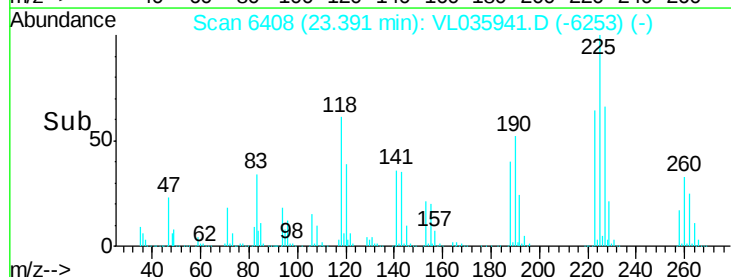
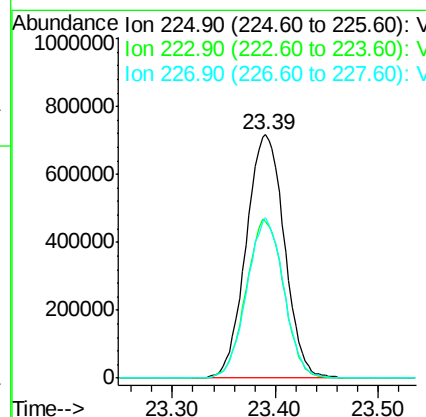
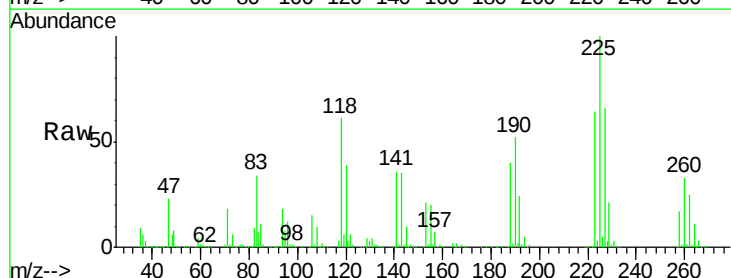
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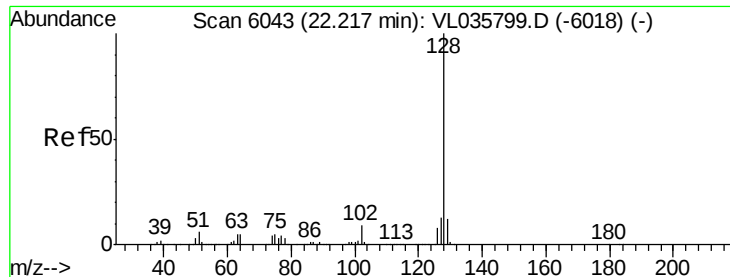
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#78
 Hexachloro-1,3-Butadiene
 Concen: 11.528 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. -0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Tgt Ion:225 Resp: 1846814
 Ion Ratio Lower Upper
 225 100
 223 64.3 51.0 76.6
 227 63.9 51.2 76.8





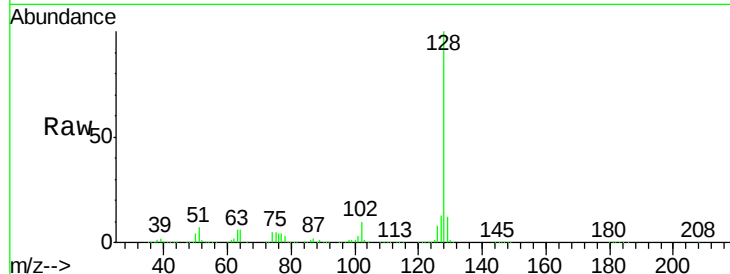
#79
Naphthalene
Concen: 11.912 ppbv
RT: 22.21 min Scan# 6042
Delta R.T. -0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Instrument :
MSVOA_L
ClientSampleId :
VL1116ABS01

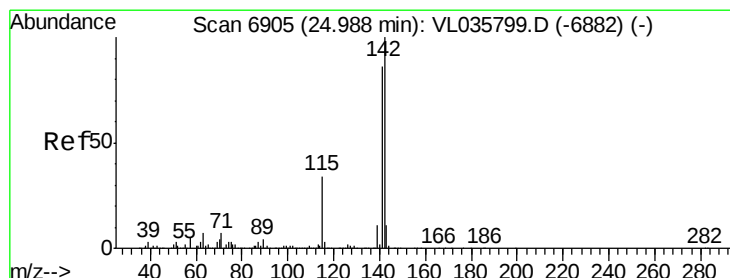
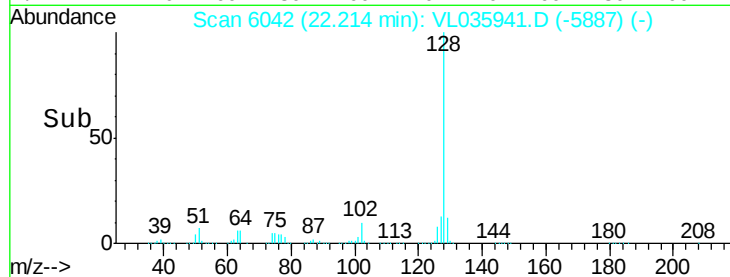
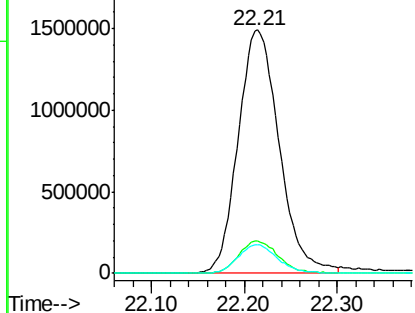
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.4
129	11.8	9.2	13.8

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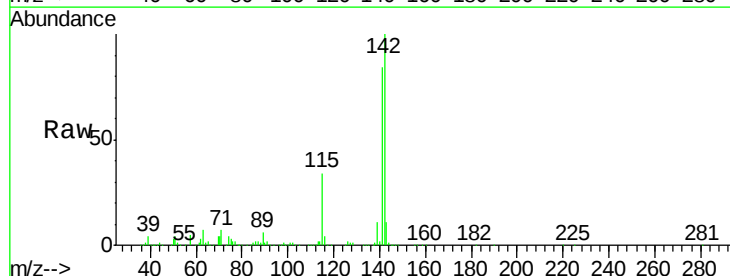


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

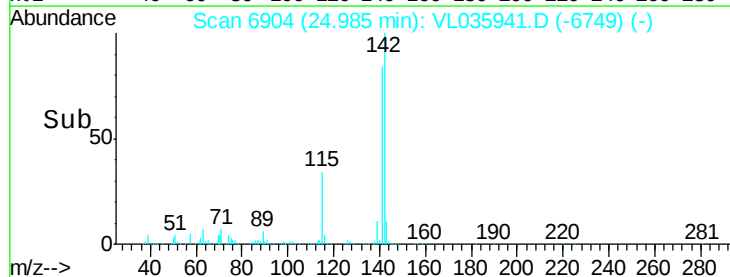
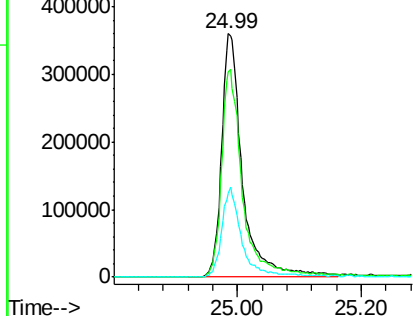


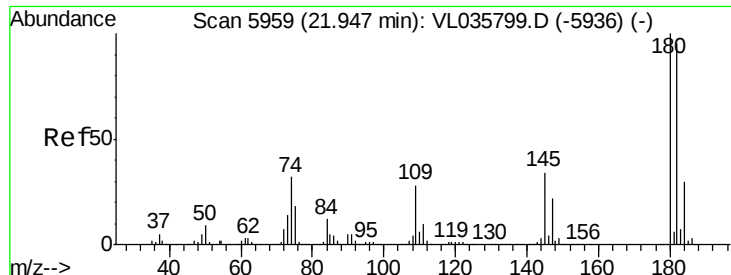
#80
Naphthalene, 2-methyl-
Concen: 13.487 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. -0.00 min
Lab File: VL035941.D
Acq: 16 Nov 2020 12:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	67.8	101.8
115	34.2	28.1	42.1



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: 10.867 ppbv
 RT: 21.94 min Scan# 5958
 Delta R.T. -0.00 min
 Lab File: VL035941.D
 Acq: 16 Nov 2020 12:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1116ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	77.2	115.8
184	31.6	24.7	37.1

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