

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062921\
 Data File : VL037244.D
 Acq On : 29 Jun 2021 10:14
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

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 7/5/2021 3:37:58 PM

Quant Time: Jun 29 13:51:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1571912	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4652096	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4289913m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3342894	10.28	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2651043	9.697	ppbv	97
3) Chlorodifluoromethane	2.98	51	2796557	9.149	ppbv	99
4) Chloromethane	3.13	50	918387	9.016	ppbv	98
5) Vinyl Chloride	3.25	62	1046430	9.347	ppbv	96
6) Bromomethane	3.46	94	564753	8.456	ppbv	95
7) Chloroethane	3.54	64	392306	9.803	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2680799	9.559	ppbv	98
9) Propene	3.00	41	899992	9.209	ppbv	99
10) Heptane	8.11	43	2289814	9.674	ppbv	100
11) Trichlorofluoromethane	3.94	101	2819074	9.664	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2045887	9.950	ppbv	99
13) Ethanol	3.60	45	95710	6.331	ppbv	54
14) Bromoethene	3.73	108	823417	9.594	ppbv	98
15) Acetone	3.84	43	1400823	7.903	ppbv	97
16) 1,3-Butadiene	3.31	39	1037531	9.901	ppbv	100
17) tert-Butyl alcohol	4.28	59	1591342	9.713	ppbv	99
18) 1,1-Dichloroethene	4.28	96	895248	9.825	ppbv	99
19) Isopropyl Alcohol	3.96	45	866626	8.072	ppbv	99
20) Methylene Chloride	4.33	84	764179	7.201	ppbv	98
21) Allyl Chloride	4.40	41	1304037	9.760	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	913774	10.134	ppbv	95
23) Vinyl Acetate	5.06	43	2232844	8.785	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1858571	9.082	ppbv	99
25) Ethyl Acetate	5.66	43	3622887	9.441	ppbv	99
26) Hexane	5.67	57	1747855	9.012	ppbv	98
27) Carbon Disulfide	4.54	76	2074655	10.917	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1987377	8.523	ppbv	98
29) Chloroform	5.74	83	2849136	9.510	ppbv	98
30) Cyclohexane	7.11	84	1525388	9.439	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1708187	9.585	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2988357	9.321	ppbv	100
34) 2-Butanone	5.23	43	1647231	9.104	ppbv	99
35) Carbon Tetrachloride	7.00	117	3191433	10.228	ppbv	99
36) Benzene	6.88	78	3553979	9.448	ppbv	99
37) 1,2-Dichloroethane	6.29	62	2144184	9.812	ppbv	99
38) Trichloroethene	7.82	130	1500455	8.391	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1382655	9.891	ppbv	98
40) 1,4-Dioxane	7.82	88	308960	8.060	ppbv	# 1
41) Tetrahydrofuran	6.04	42	832438	9.905	ppbv	99
42) Bromodichloromethane	7.78	83	3055312	10.134	ppbv	97
43) Methyl Methacrylate	8.00	69	1315692	10.127	ppbv	99

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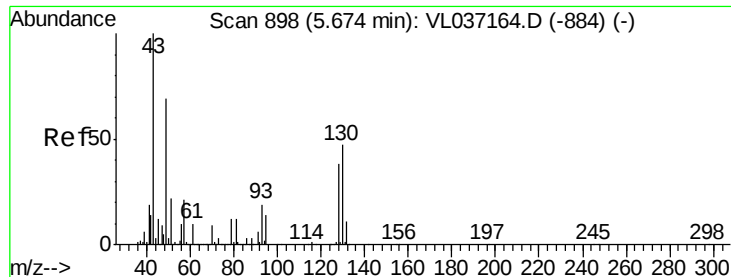
Manual Integrations
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Quant Time: Jun 29 13:51:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 1
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5948452	9.391	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	975006	8.506	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1237953	7.895	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1533862	9.618	ppbv	99
48) Dibromochloromethane	10.29	129	2772878	11.015	ppbv	99
49) Bromoform	13.02	173	2269848	12.102	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2552883	10.273	ppbv	99
51) 2-Hexanone	10.12	43	1336865	11.057	ppbv #	99
52) Tetrachloroethene	11.21	164	1476913	8.449	ppbv	95
53) Toluene	9.79	91	4306291	9.583	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2285865	9.974	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1904724	10.155	ppbv	96
57) Chlorobenzene	12.13	112	3281518	9.432	ppbv	98
58) Ethyl Benzene	12.69	91	5724881	9.694	ppbv	98
59) m/p-Xylene	12.98	91	9775309m	19.532	ppbv	
60) o-Xylene	13.68	91	4667616	9.795	ppbv	99
61) Styrene	13.51	104	2587646	10.521	ppbv	97
62) Isopropylbenzene	14.65	105	6516438	9.617	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3165583	9.977	ppbv	99
64) n-propylbenzene	15.54	120	1749413	10.309	ppbv	98
65) tert-Butylbenzene	16.73	119	5918540	9.848	ppbv	99
66) Benzyl Chloride	16.97	91	248059	9.740	ppbv	96
67) sec-Butylbenzene	17.28	105	7854590	9.801	ppbv	100
69) p-Isopropyltoluene	17.63	119	6830917	10.091	ppbv	99
70) n-Butylbenzene	18.54	91	6480442	10.344	ppbv	99
71) 2-Chlorotoluene	15.44	91	4771748	10.072	ppbv	99
72) 4-Ethyltoluene	15.82	105	5684089	10.499	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	5154586	9.850	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	5351830	9.926	ppbv	94
75) 1,3-Dichlorobenzene	16.98	146	3220798	9.824	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3128611	9.554	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3096890	9.765	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2041594	7.487	ppbv	100
79) Naphthalene	22.18	128	3901068	8.678	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	968806	8.217	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2277907	8.781	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1571912

Ion Ratio Lower Upper

49 100

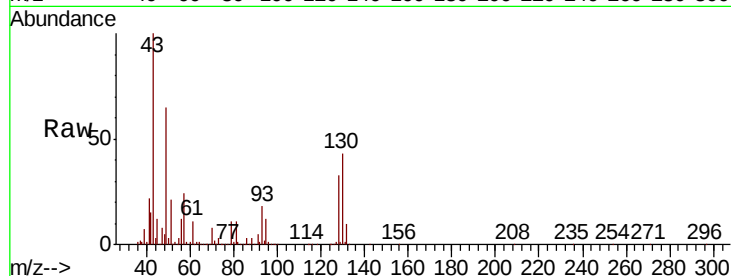
128 58.3 29.3 88.0

130 71.6 35.9 107.8

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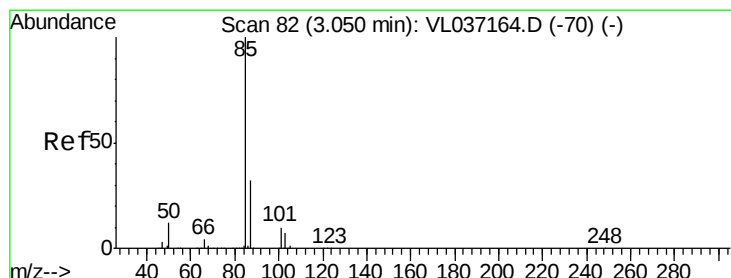
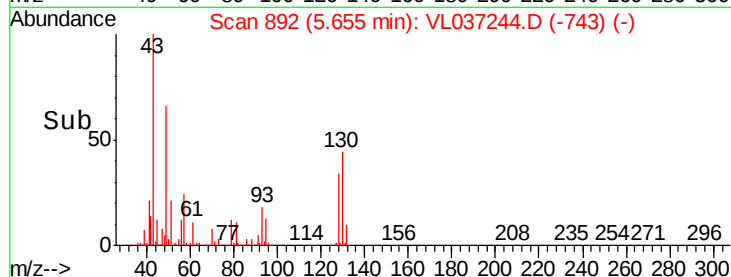
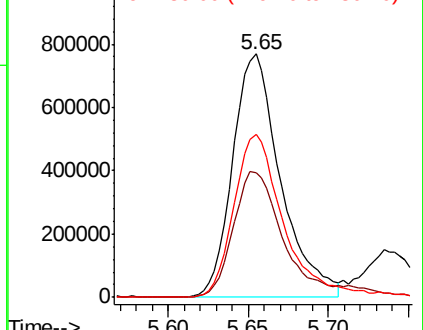
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.697 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL037244.D

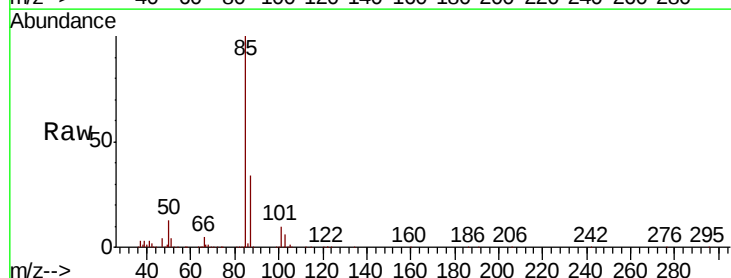
Acq: 29 Jun 2021 10:14

Tgt Ion: 85 Resp: 2651043

Ion Ratio Lower Upper

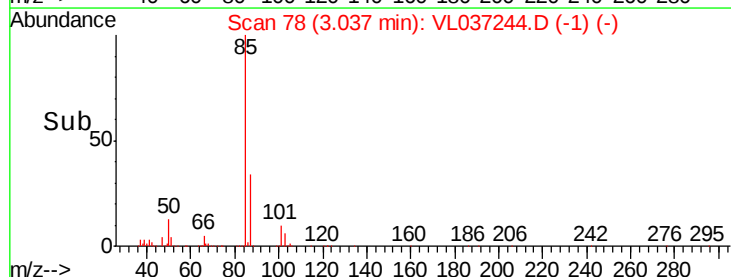
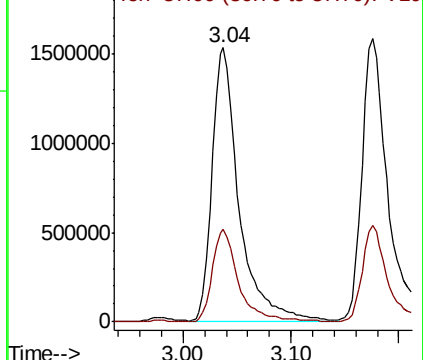
85 100

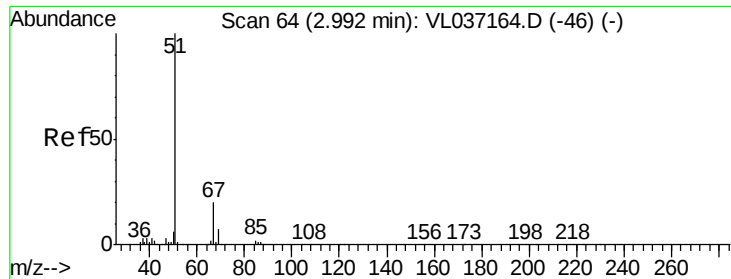
87 34.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





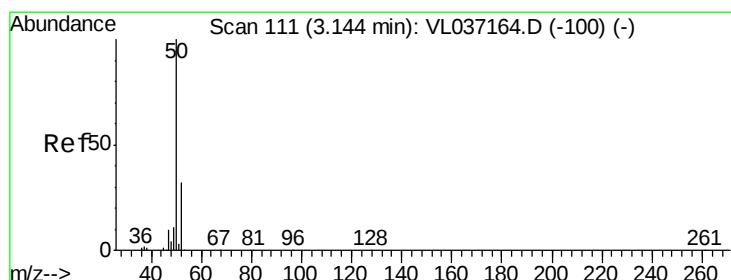
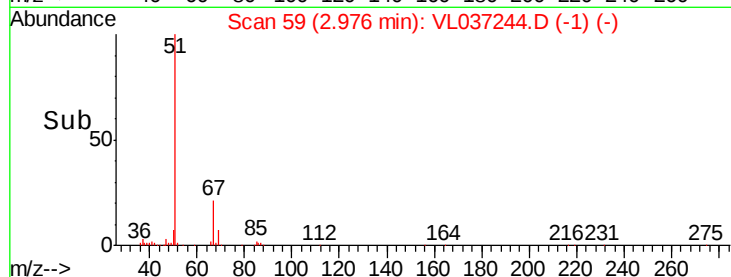
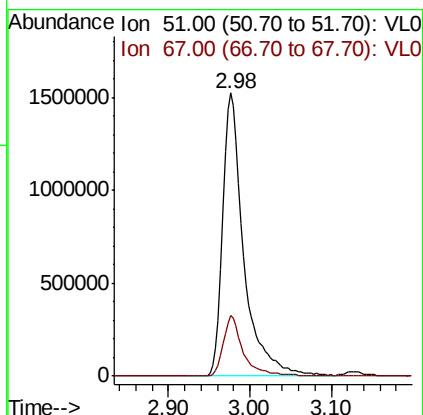
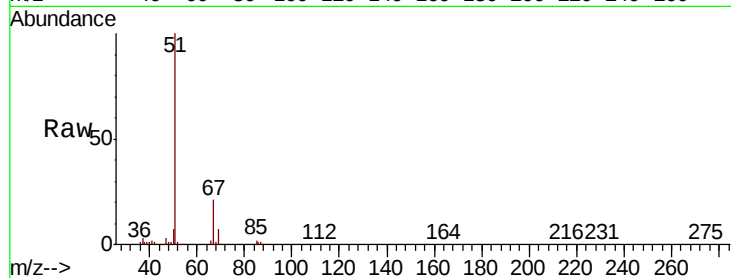
#3
Chlorodifluoromethane
Concen: 9.149 ppbv
RT: 2.98 min Scan# 59
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
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VSTDCCC010

Tot Ion: 51 Resp: 2796557
Ion Ratio Lower Upper
51 100
67 20.3 15.8 23.6

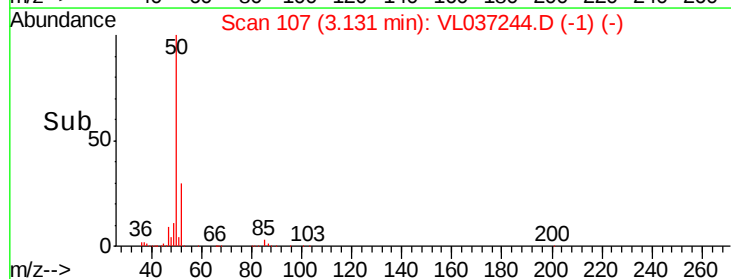
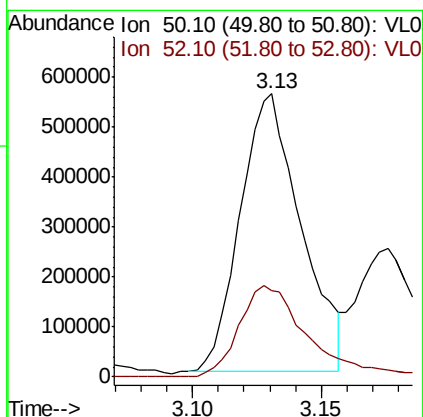
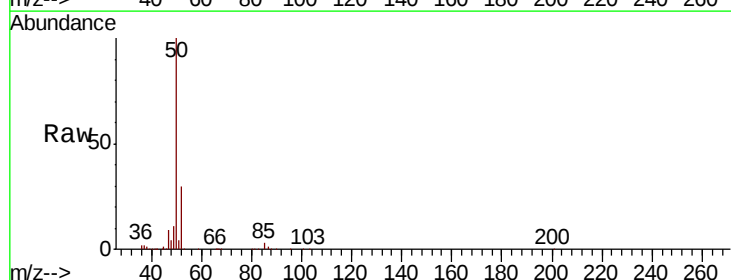
Manual Integrations
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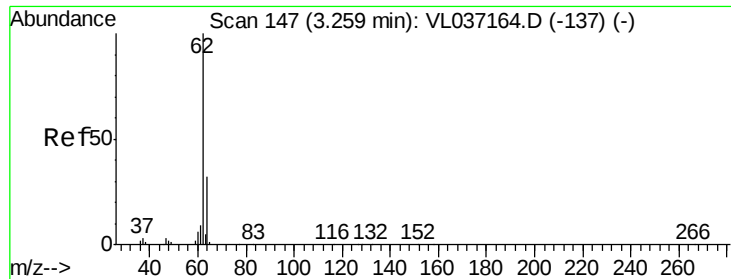
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#4
Chloromethane
Concen: 9.016 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion: 50 Resp: 918387
Ion Ratio Lower Upper
50 100
52 30.9 25.8 38.8





#5

Vinyl Chloride

Concen: 9.347 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 1046430

Ion Ratio Lower Upper

62 100

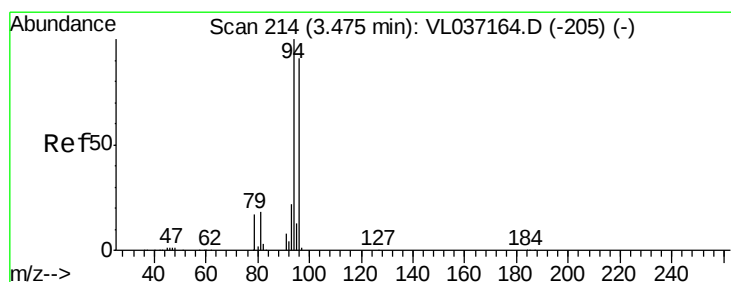
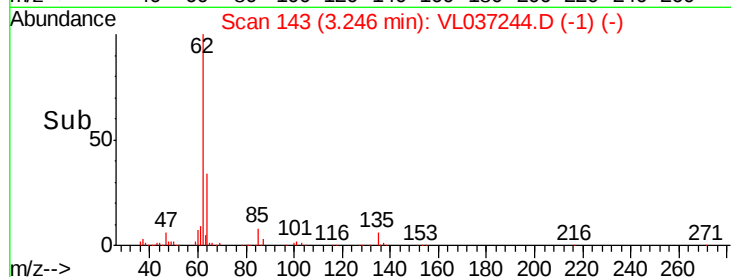
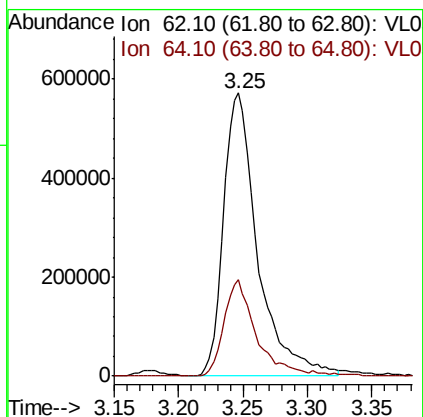
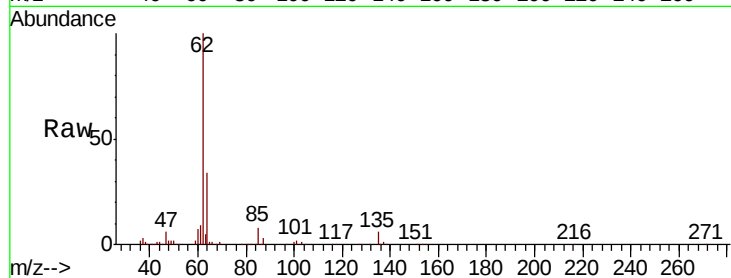
64 34.0 25.6 38.4

Manual Integrations

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#6

Bromomethane

Concen: 8.456 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL037244.D

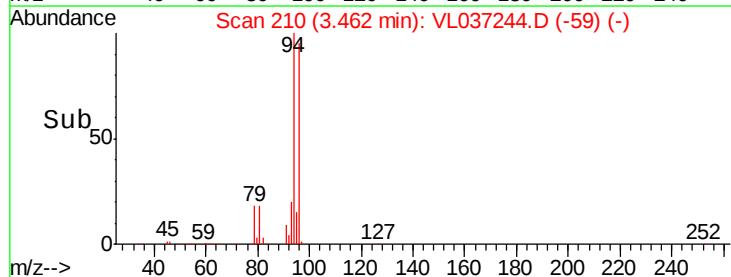
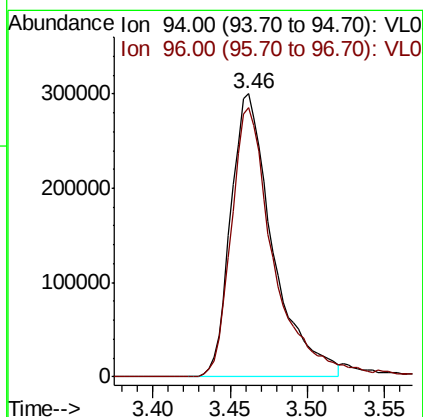
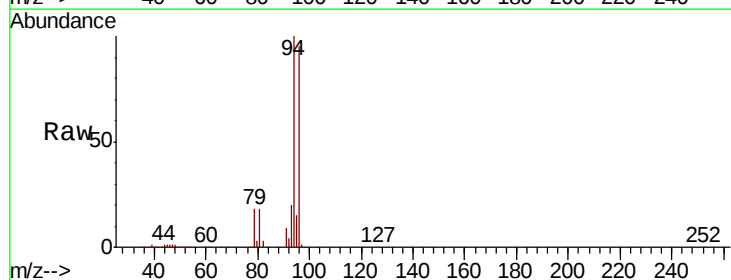
Acq: 29 Jun 2021 10:14

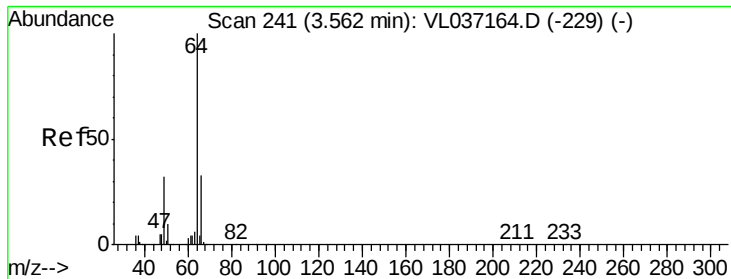
Tgt Ion: 94 Resp: 564753

Ion Ratio Lower Upper

94 100

96 95.3 72.6 108.8





#7

Chloroethane

Concen: 9.803 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 392306

Ion Ratio Lower Upper

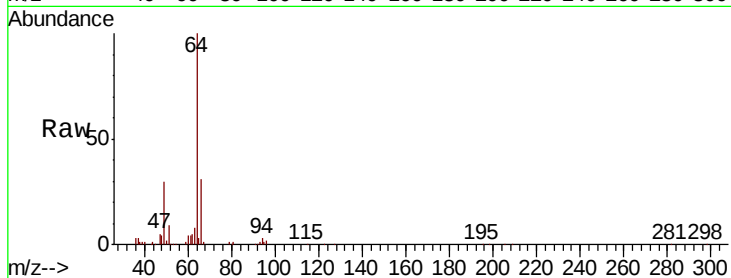
64 100

66 31.0 26.2 39.4

Manual Integrations
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

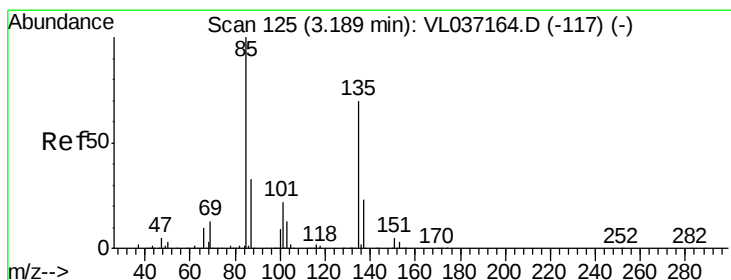
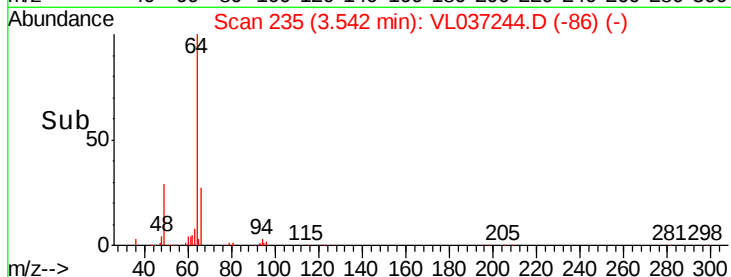
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50000

0

3.45 3.50 3.55 3.60 3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.559 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037244.D

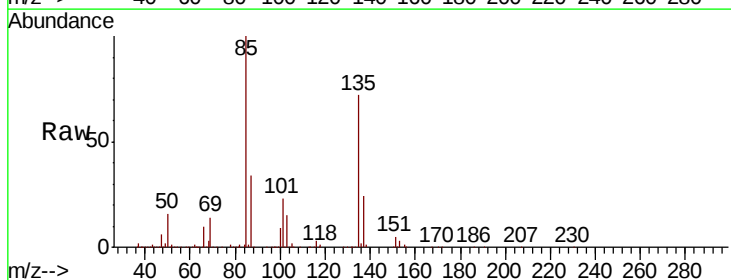
Acq: 29 Jun 2021 10:14

Tgt Ion: 85 Resp: 2680799

Ion Ratio Lower Upper

85 100

135 73.5 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

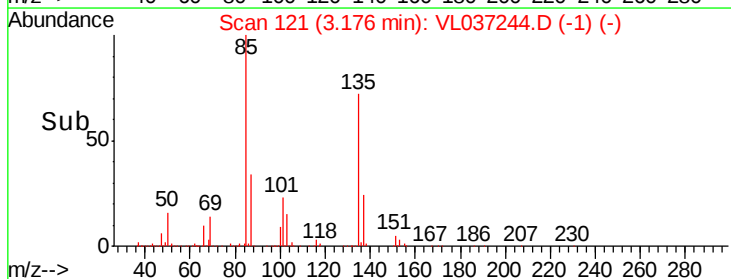
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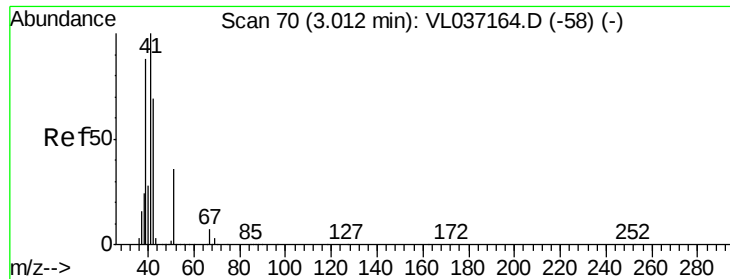
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3.10 3.20 3.30

Time-->





#9

Propene

Concen: 9.209 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

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ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 899992

Ion Ratio Lower Upper

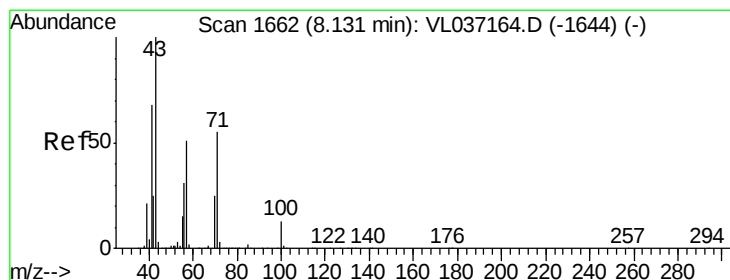
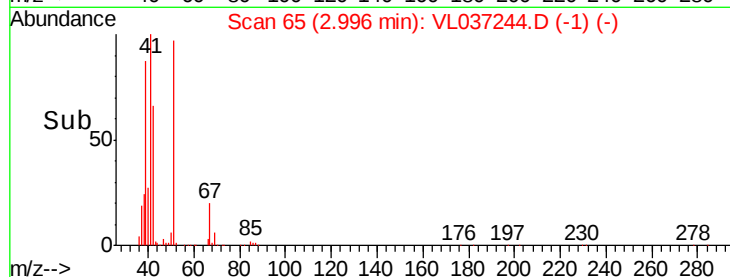
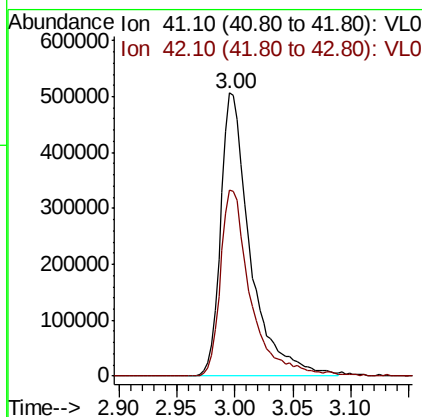
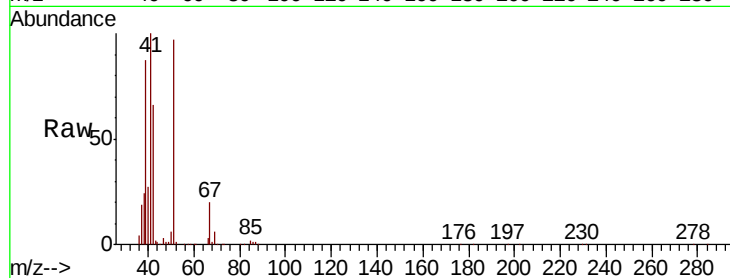
41 100

42 67.2 54.5 81.7

Manual Integrations
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#10

Heptane

Concen: 9.674 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL037244.D

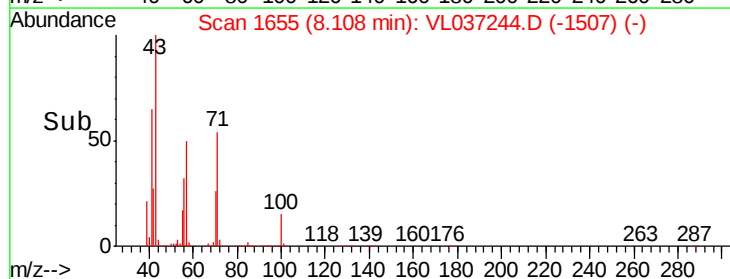
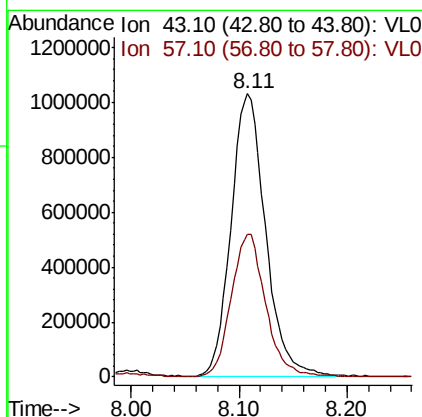
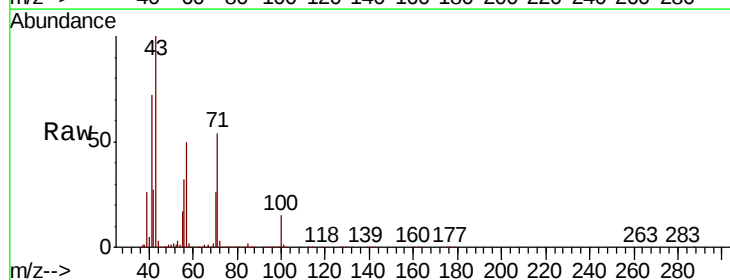
Acq: 29 Jun 2021 10:14

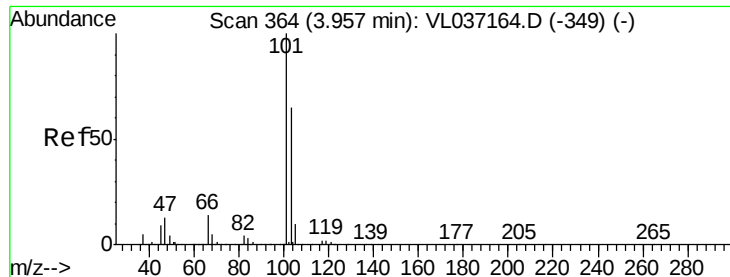
Tgt Ion: 43 Resp: 2289814

Ion Ratio Lower Upper

43 100

57 50.5 40.6 61.0





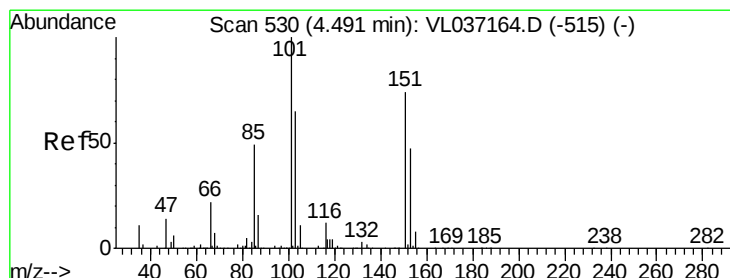
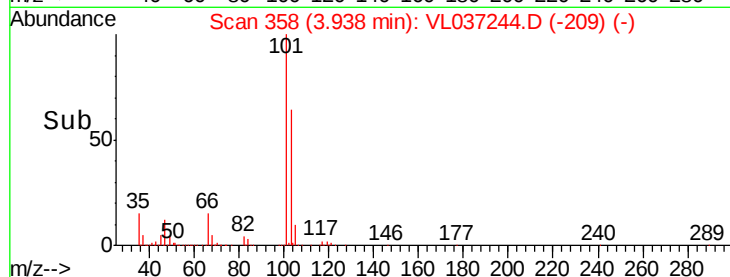
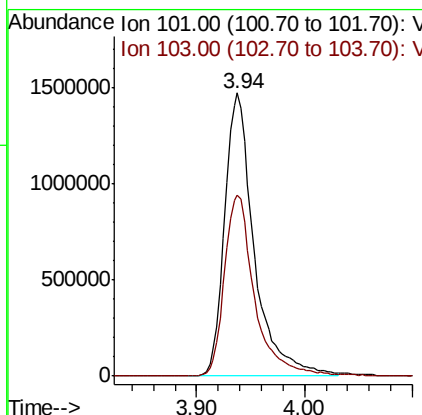
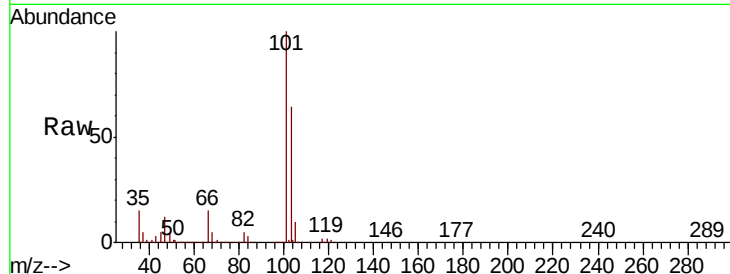
#11
 Trichlorofluoromethane
 Concen: 9.664 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2819074
 Ion Ratio Lower Upper
 101 100
 103 63.8 52.2 78.4

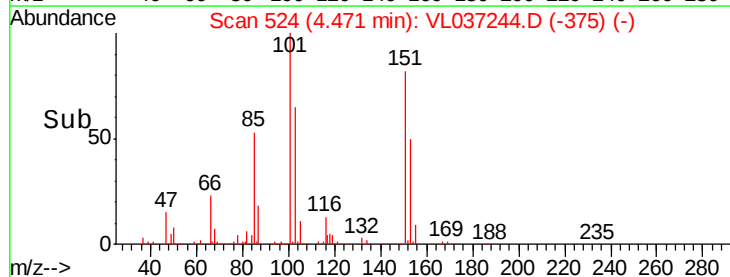
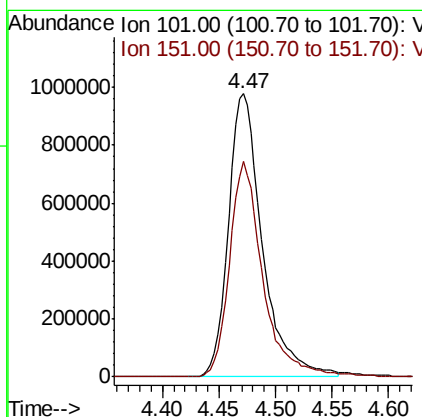
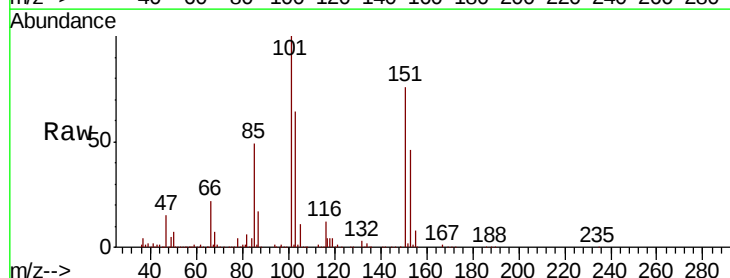
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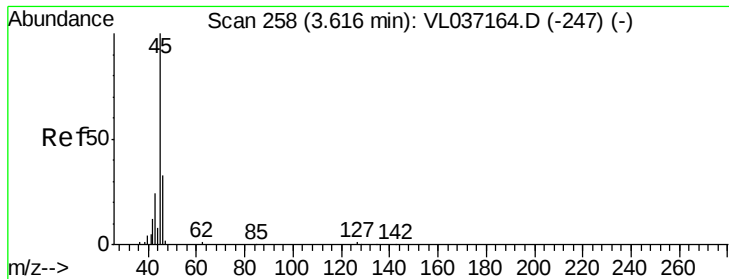
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.950 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion:101 Resp: 2045887
 Ion Ratio Lower Upper
 101 100
 151 75.0 59.1 88.7





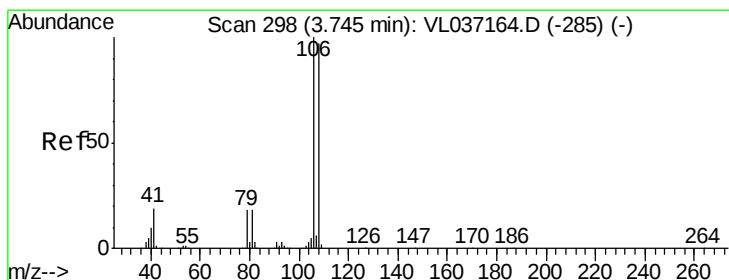
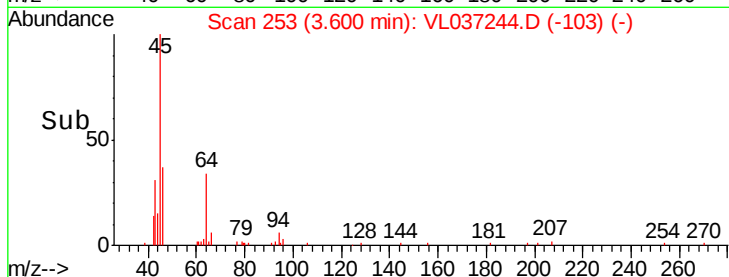
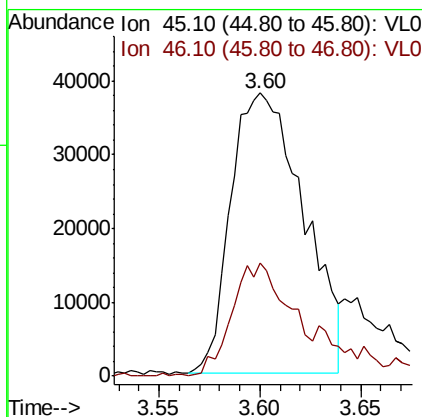
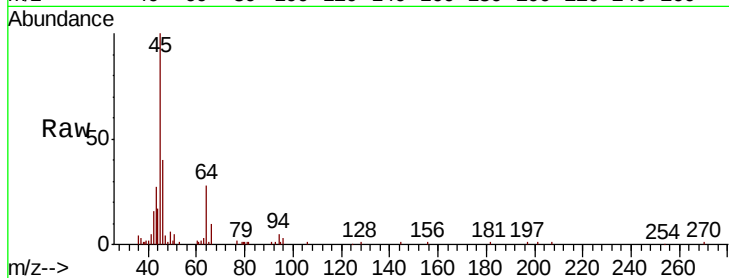
#13
Ethanol
Concen: 6.331 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	45	Resp	95710
Ion Ratio	100	Lower	Upper
46	43.4	34.2	137.0

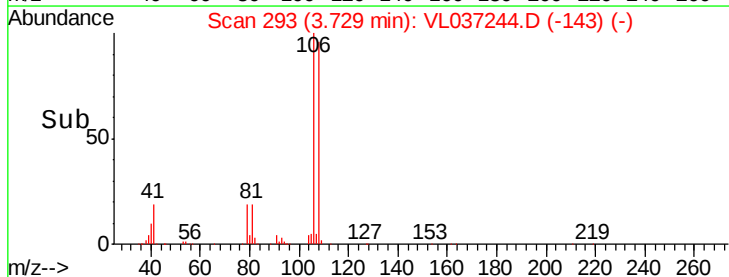
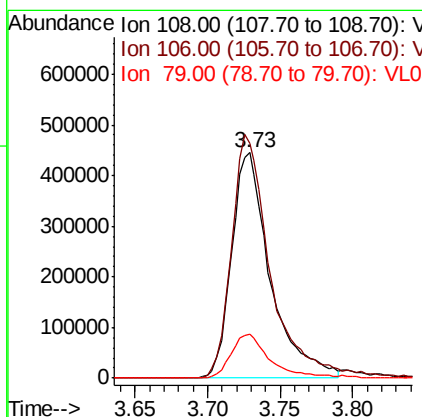
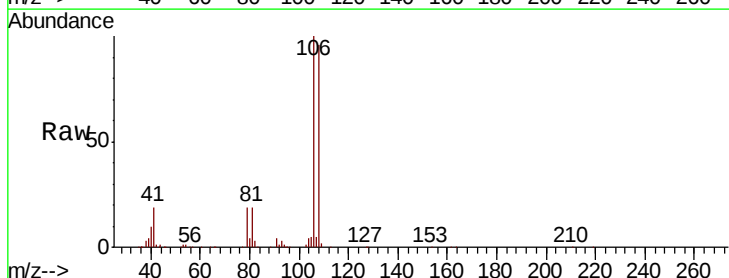
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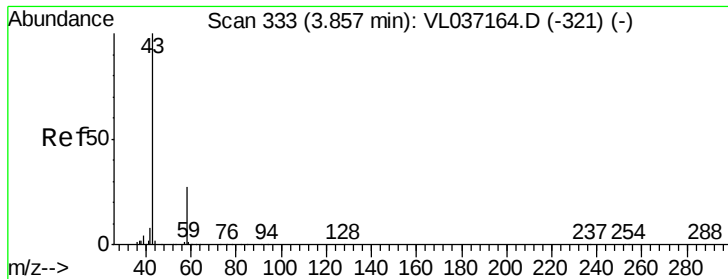
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#14
Bromoethene
Concen: 9.594 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion	108	Resp	823417
Ion Ratio	100	Lower	Upper
106	110.4	86.8	130.2
79	20.2	15.6	23.4





#15

Acetone

Concen: 7.903 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1400823

Ion Ratio Lower Upper

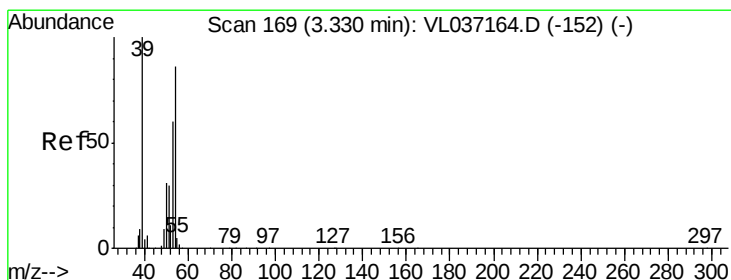
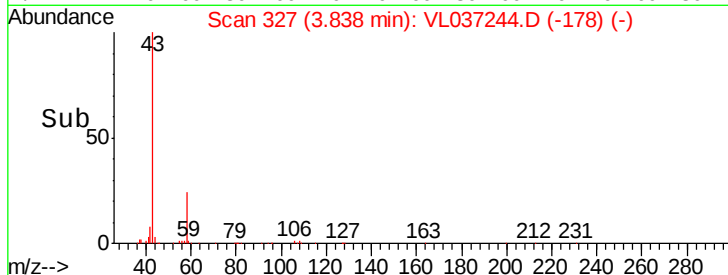
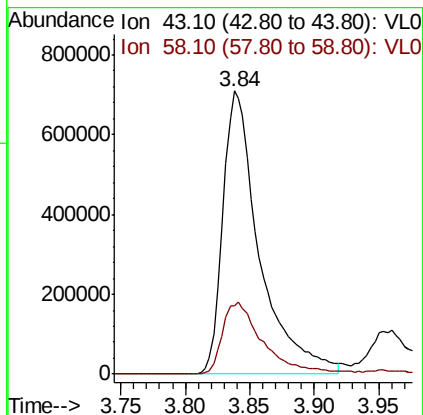
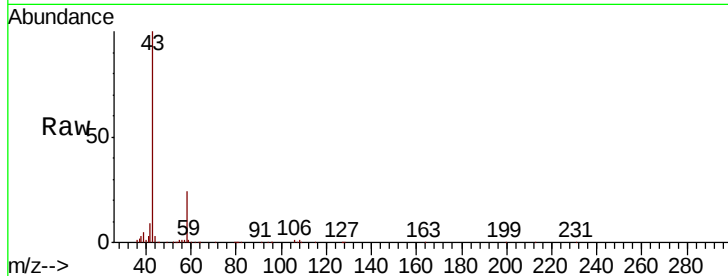
43 100

58 28.1 23.7 35.5

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#16

1,3-Butadiene

Concen: 9.901 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL037244.D

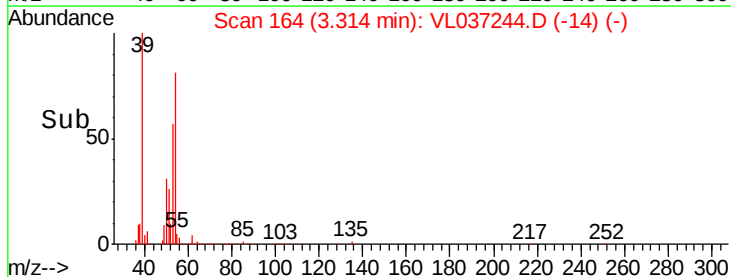
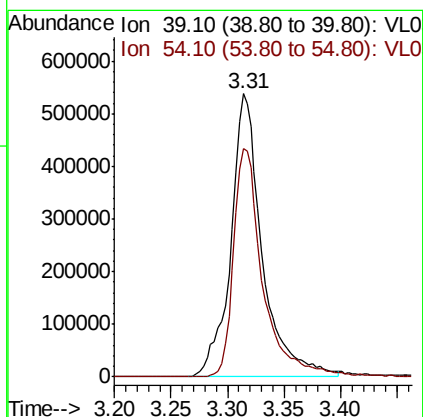
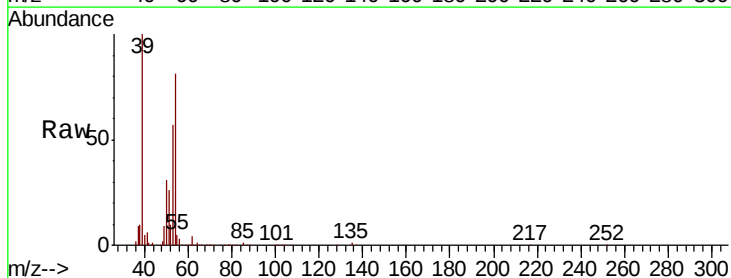
Acq: 29 Jun 2021 10:14

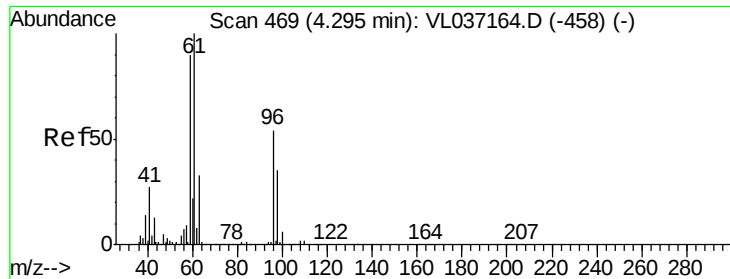
Tgt Ion: 39 Resp: 1037531

Ion Ratio Lower Upper

39 100

54 76.3 61.2 91.8





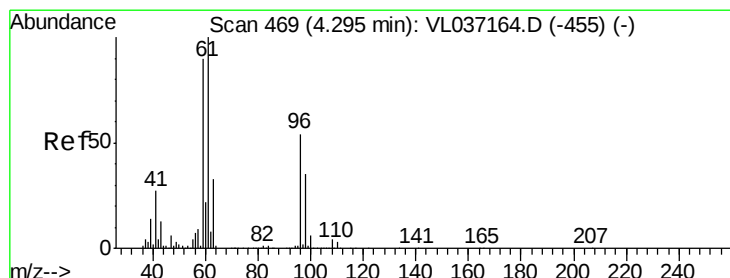
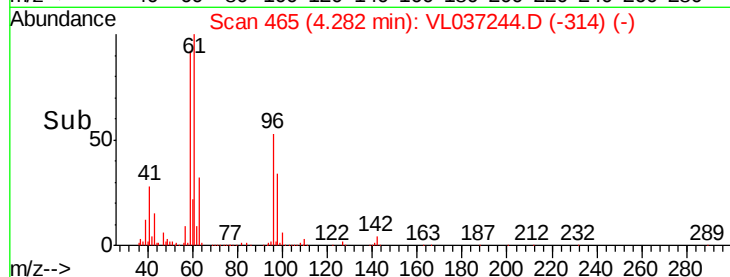
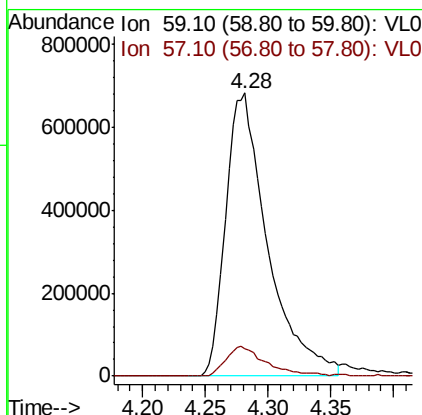
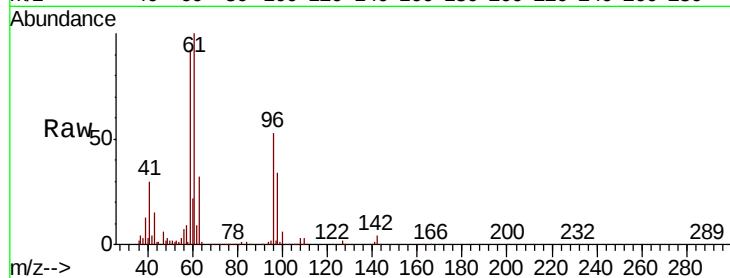
#17
tert-Butyl alcohol
Concen: 9.713 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.01 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1591342
Ion Ratio Lower Upper
59 100
57 10.5 8.8 13.2

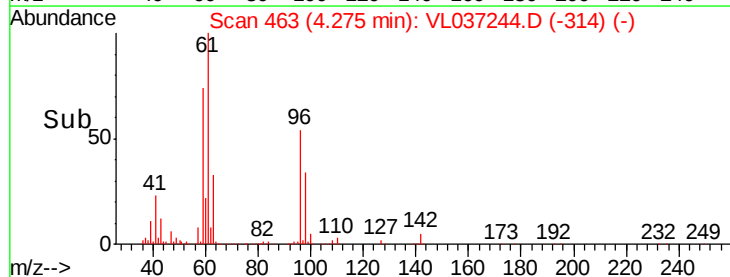
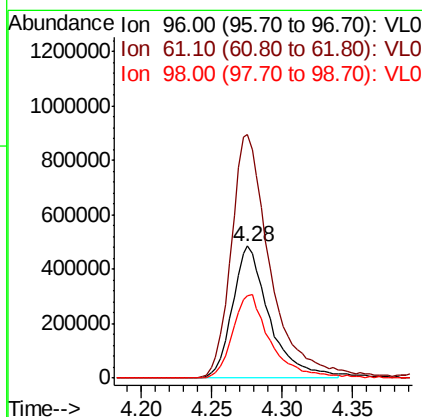
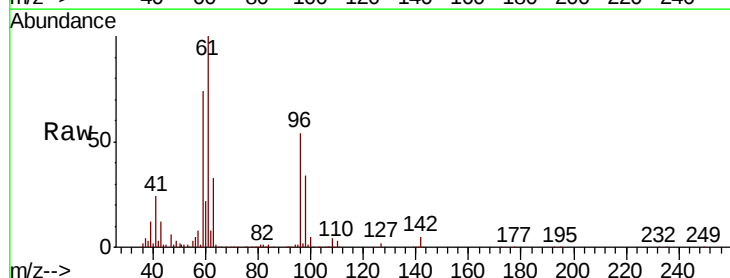
Manual Integrations
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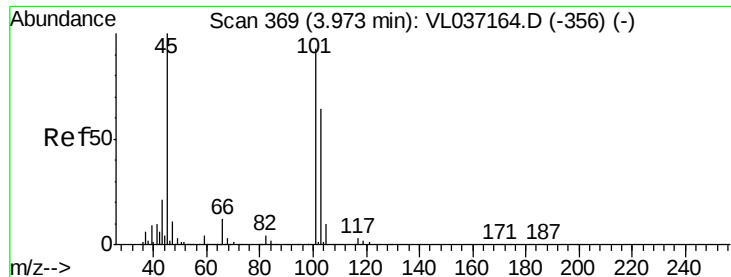
MMDadoda
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#18
1,1-Dichloroethene
Concen: 9.825 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion: 96 Resp: 895248
Ion Ratio Lower Upper
96 100
61 184.8 148.6 222.8
98 62.1 51.9 77.9





#19

Isopropyl Alcohol

Concen: 8.072 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 866626

Ion Ratio Lower Upper

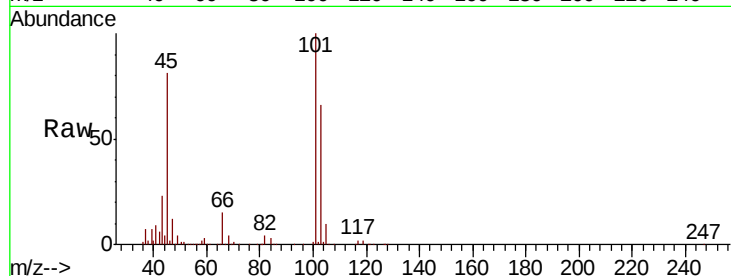
45 100

58 3.3 2.4 3.6

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

300000

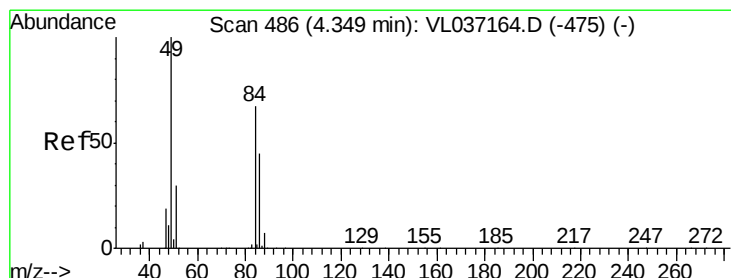
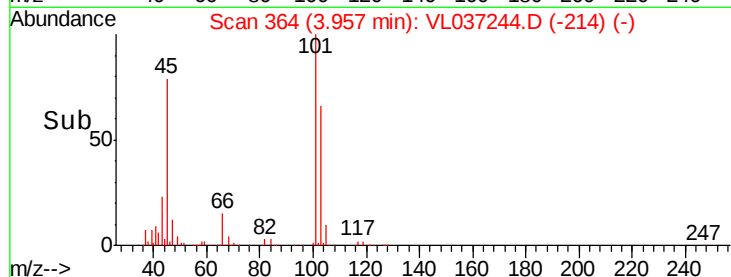
200000

100000

0

3.85 3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 7.201 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion: 84 Resp: 764179

Ion Ratio Lower Upper

84 100

49 148.5 119.7 179.5

51 44.7 36.1 54.1

86 63.5 53.7 80.5

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

600000

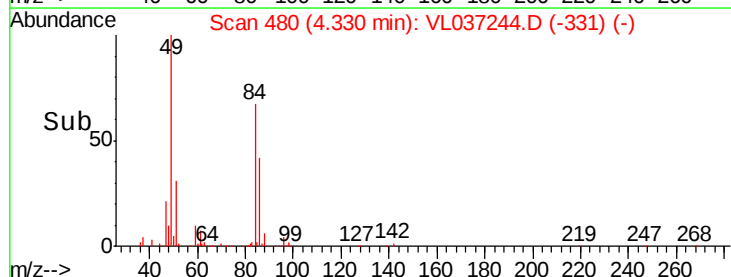
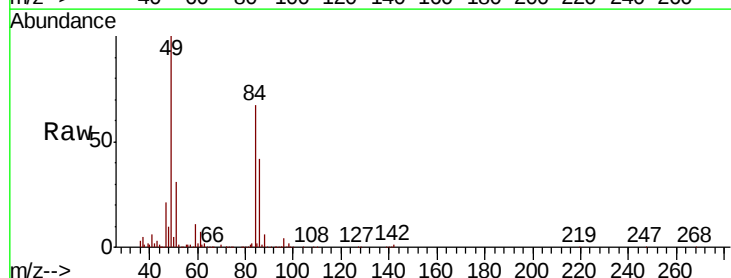
400000

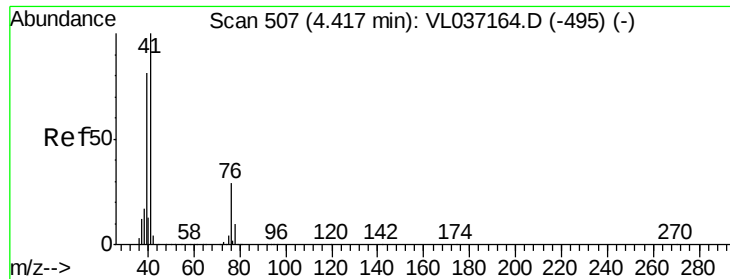
200000

0

4.25 4.30 4.35 4.40

Time-->





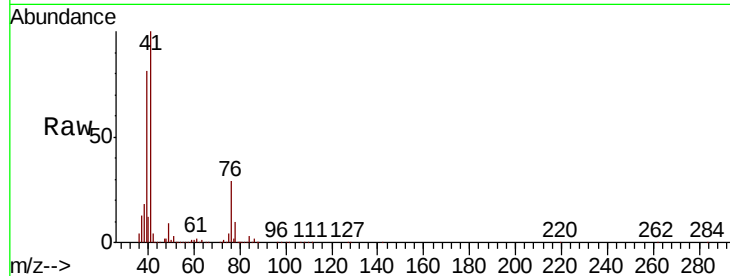
#21
Allvl Chloride
Concen: 9.760 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

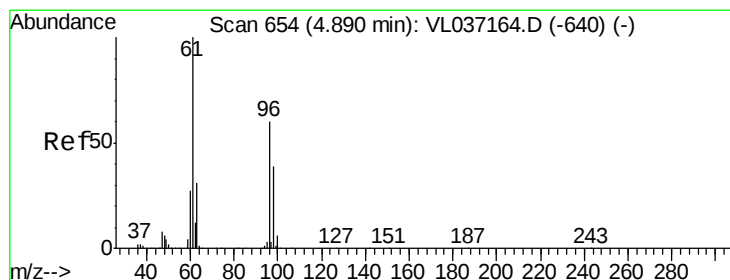
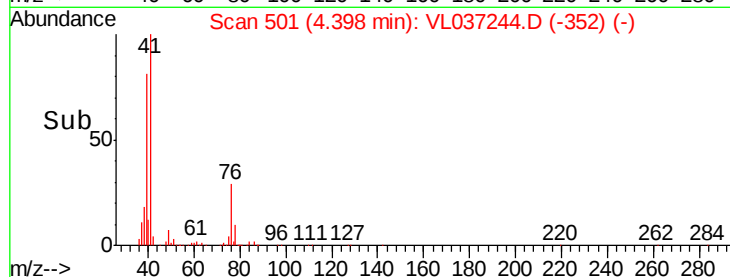
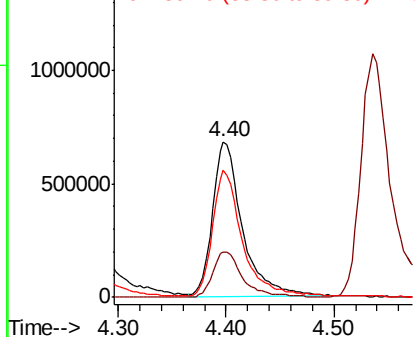
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.8	24.6	37.0
39	81.7	65.4	98.0

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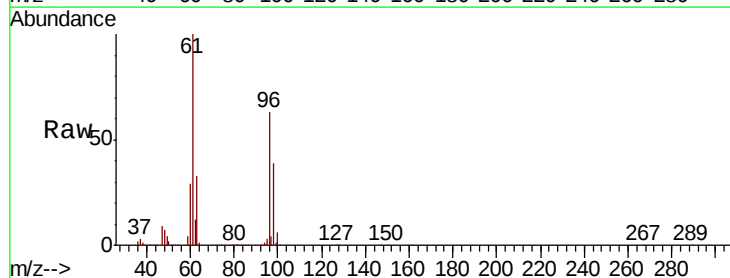


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

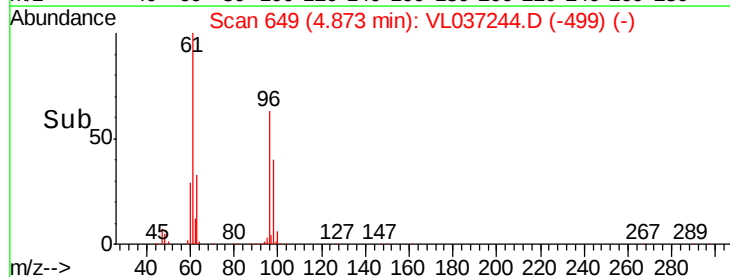
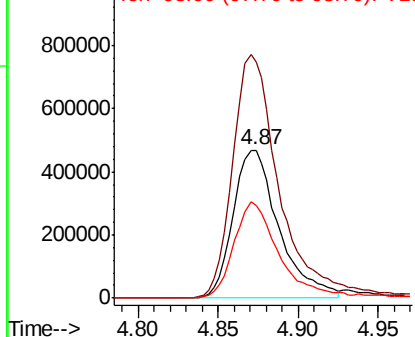


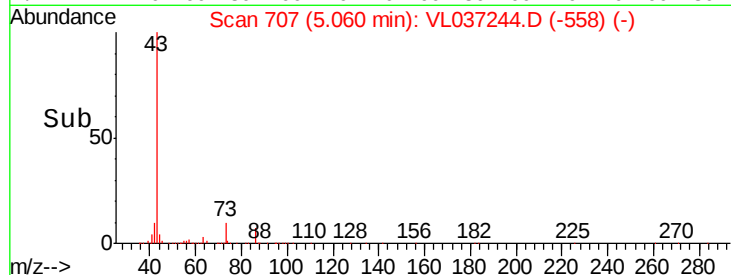
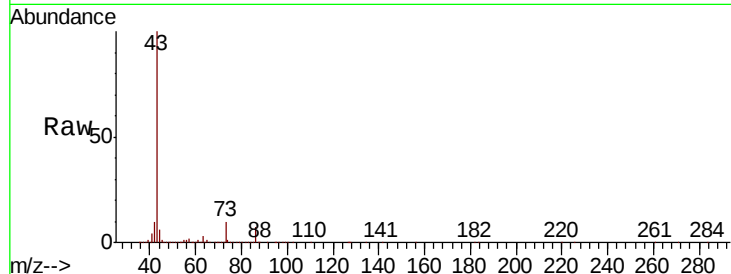
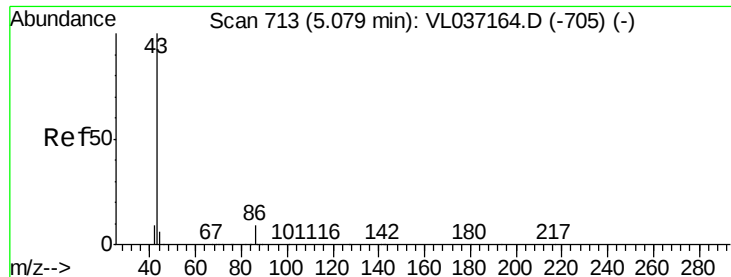
#22
trans-1,2-Dichloroethene
Concen: 10.134 ppbv
RT: 4.87 min Scan# 649
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.4	133.9	200.9
98	62.8	52.9	79.3



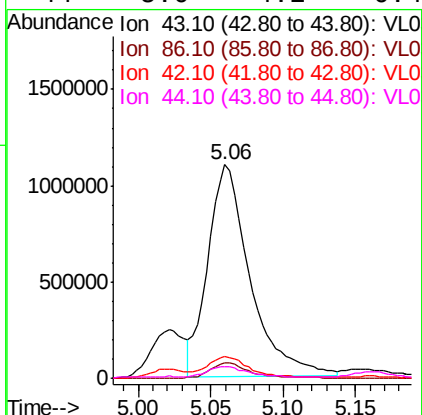
Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23
 Vinyl Acetate
 Concen: 8.785 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

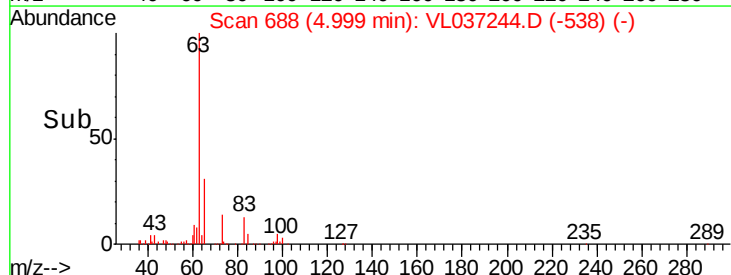
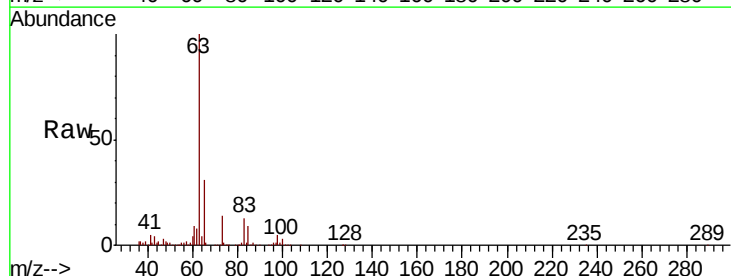
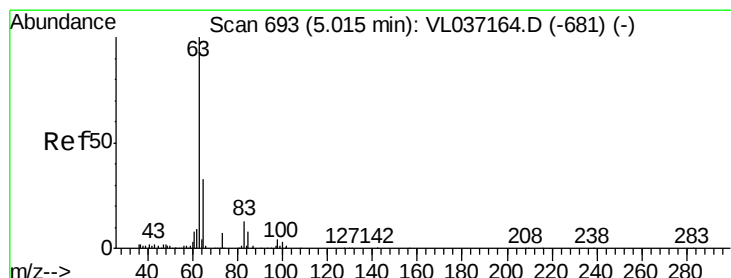
Tot Ion	43	Resp	2232844
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.8
42	10.4	8.2	12.2
44	5.0	4.2	6.4



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

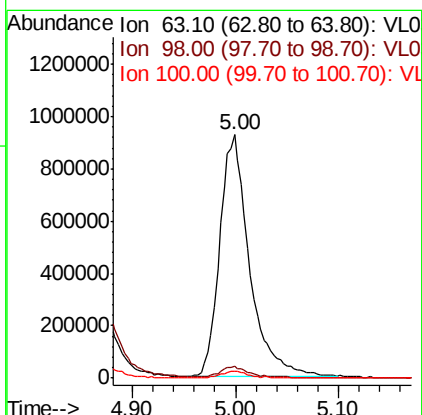
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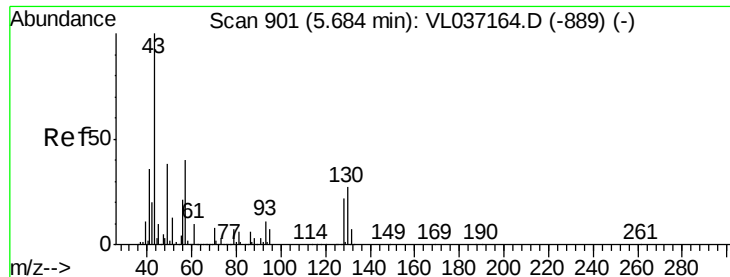
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#24
 1,1-Dichloroethane
 Concen: 9.082 ppbv
 RT: 5.00 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion	63	Resp	1858571
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	2.7	1.4	4.0





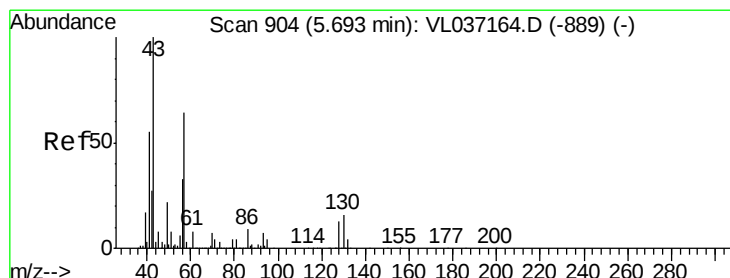
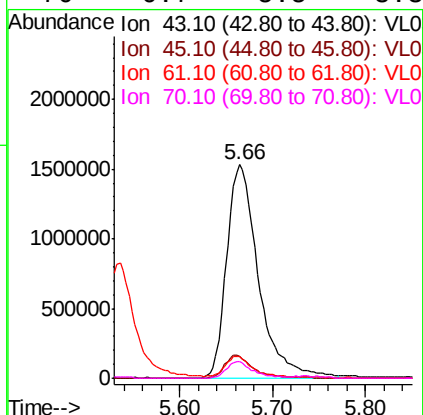
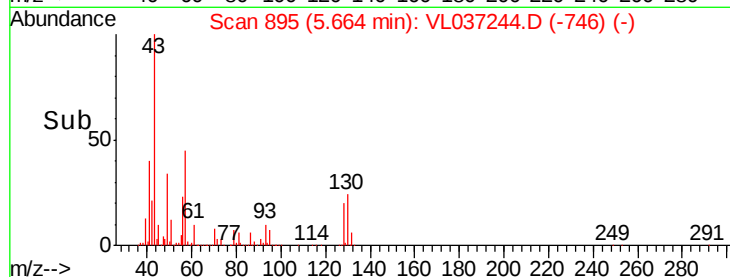
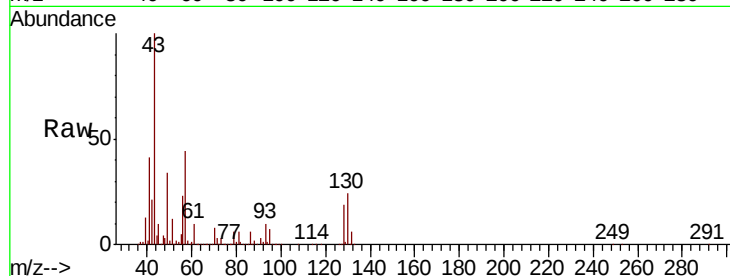
#25
Ethyl Acetate
Concen: 9.441 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.3	8.1	12.1
70	6.7	5.5	8.3

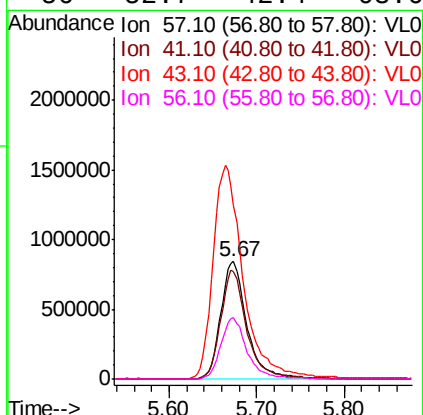
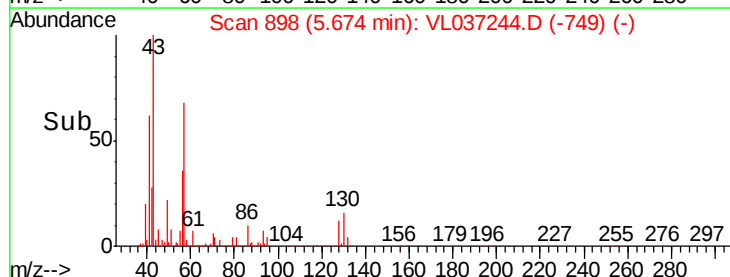
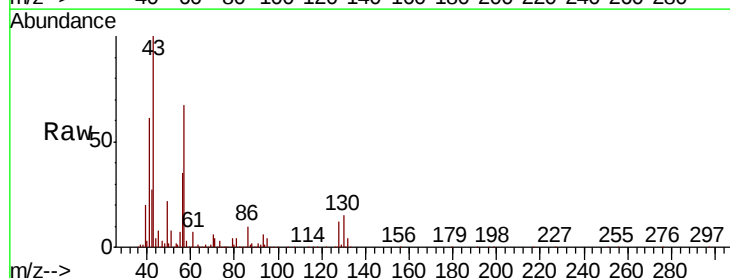
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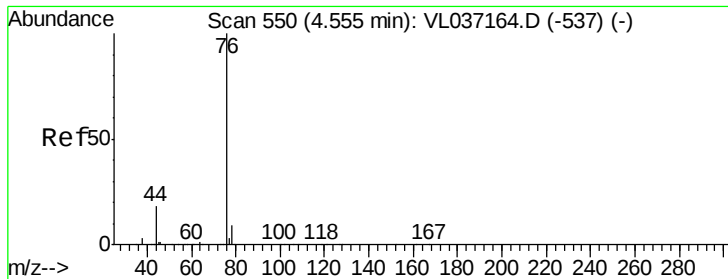
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#26
Hexane
Concen: 9.012 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion	Ratio	Lower	Upper
57	100		
41	92.9	73.5	110.3
43	209.9	170.7	256.1
56	52.7	42.4	63.6





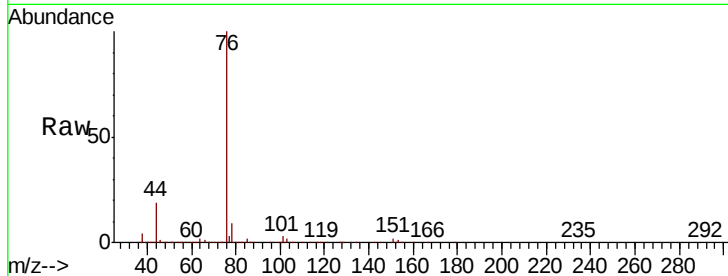
#27
Carbon Disulfide
Concen: 10.917 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

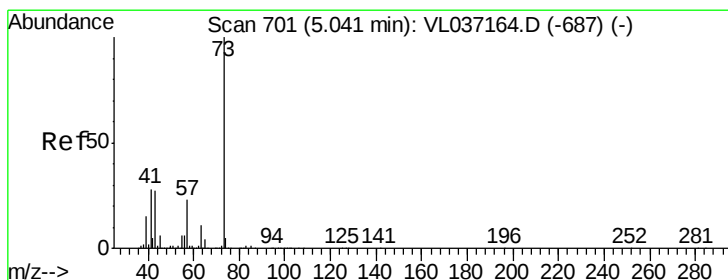
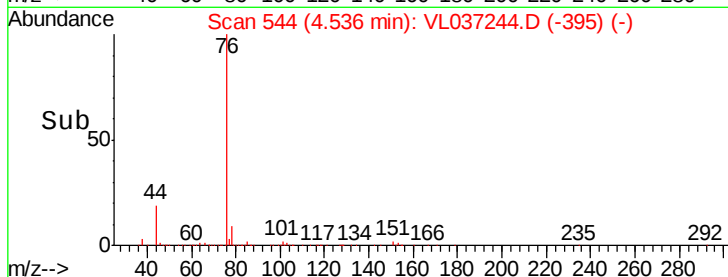
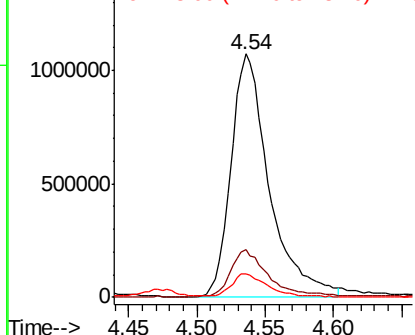
Tot Ion	Ratio	Lower	Upper
76	100		
44	19.8	15.4	23.2
78	9.4	8.0	12.0

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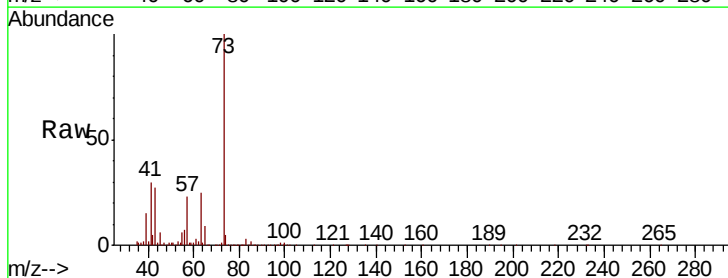


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

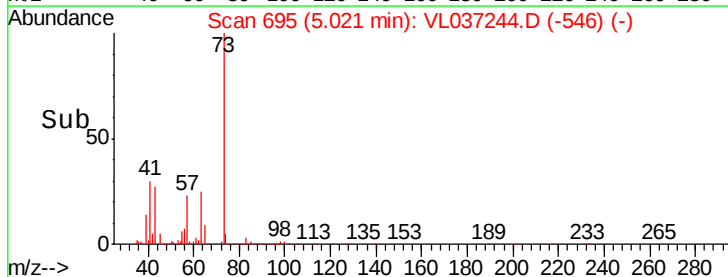
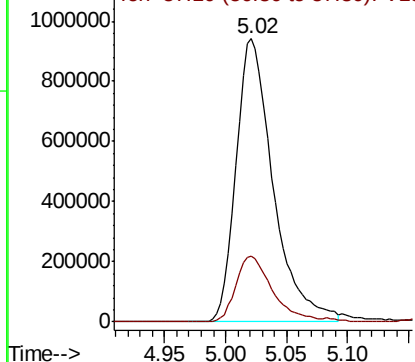


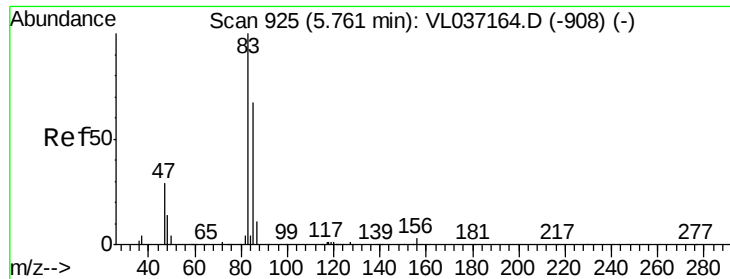
#28
Methyl tert-Butyl Ether
Concen: 8.523 ppbv
RT: 5.02 min Scan# 695
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.5	18.0	27.0



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





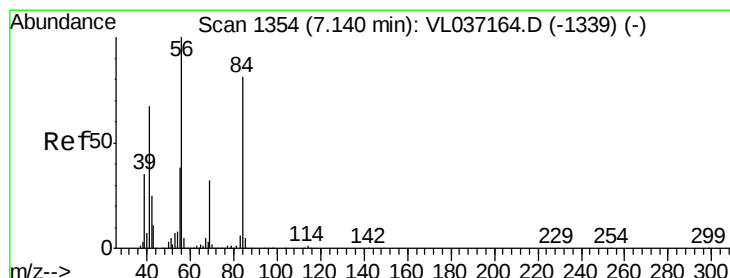
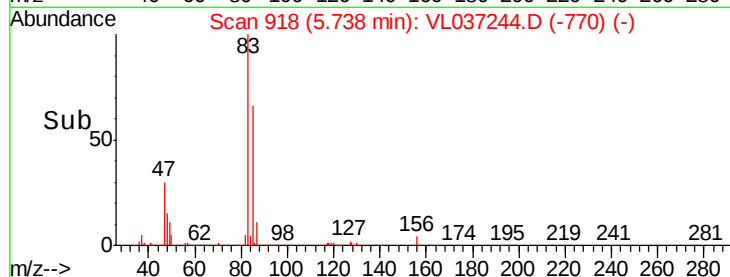
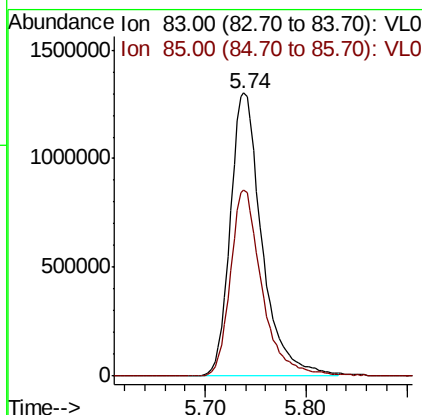
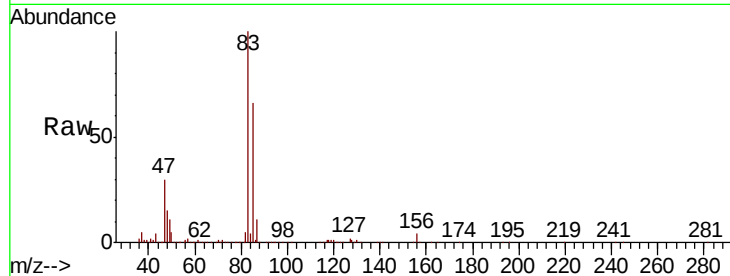
#29
Chloroform
Concen: 9.510 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2849136
Ion Ratio Lower Upper
83 100
85 65.7 53.6 80.4

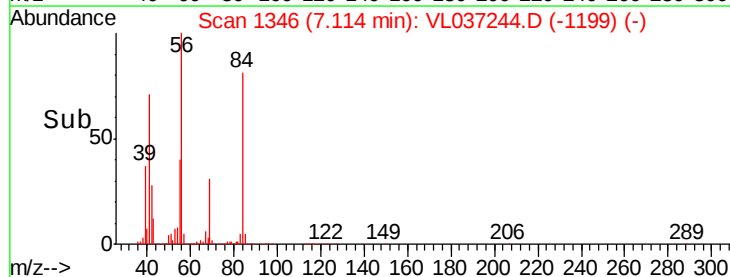
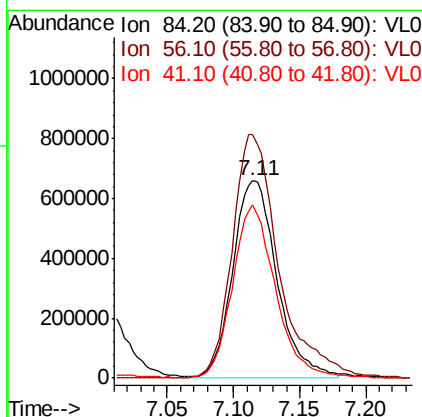
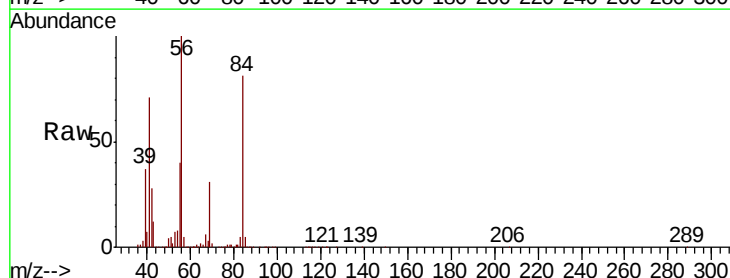
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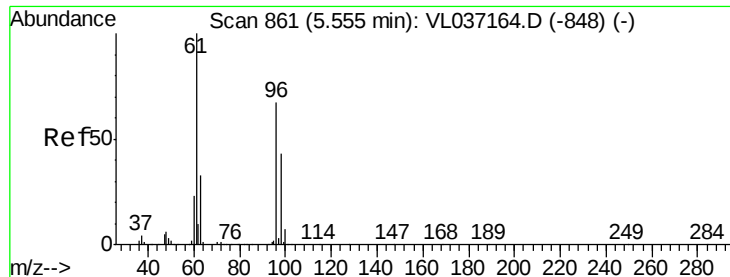
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#30
Cyclohexane
Concen: 9.439 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion: 84 Resp: 1525388
Ion Ratio Lower Upper
84 100
56 131.4 107.7 161.5
41 85.7 69.0 103.6





#31

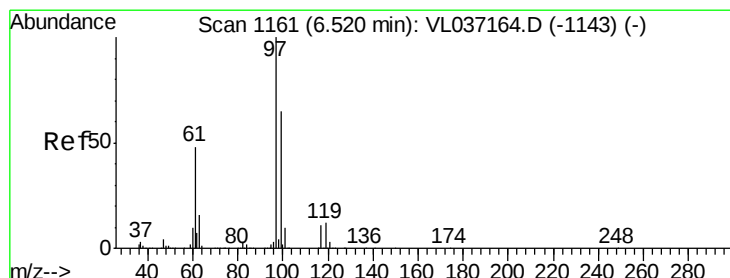
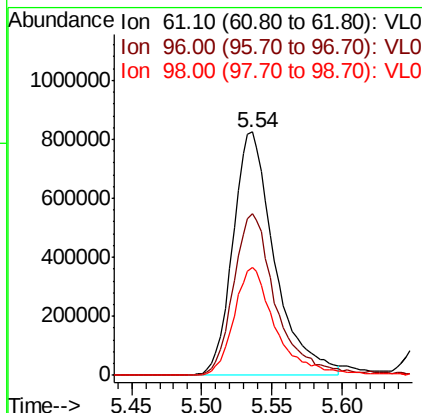
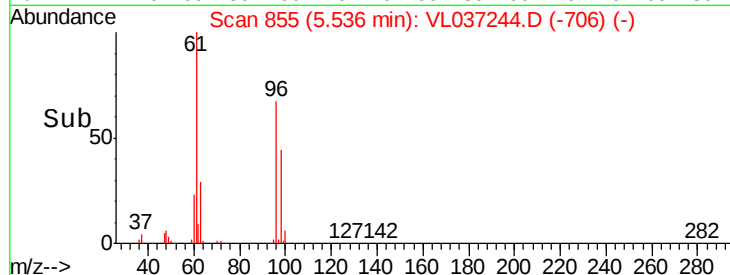
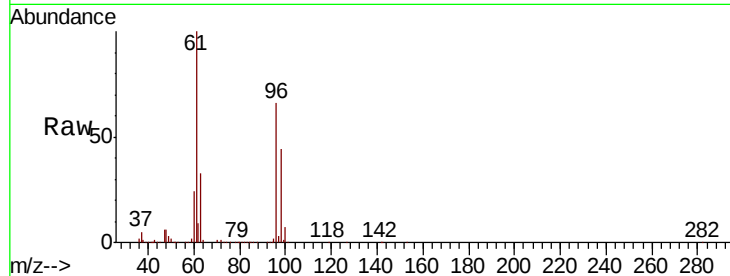
cis-1,2-Dichloroethene
Concen: 9.585 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	66.4	53.6	80.4
98	44.1	34.7	52.1

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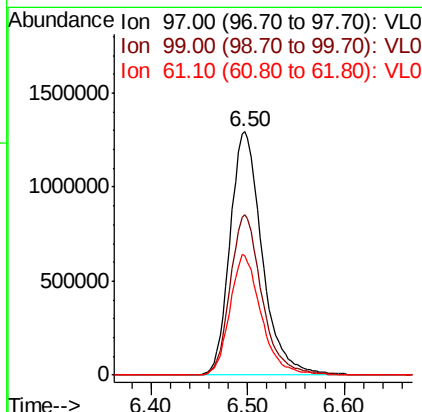
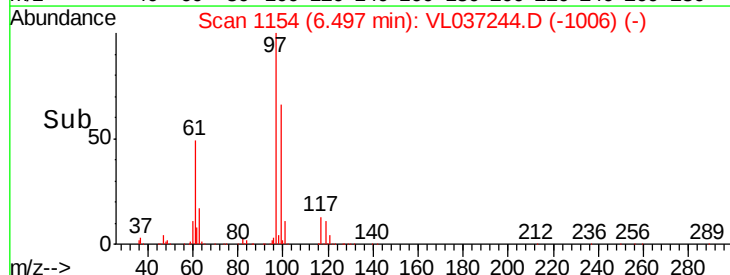
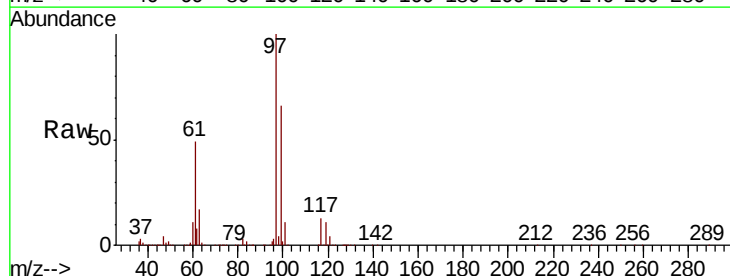
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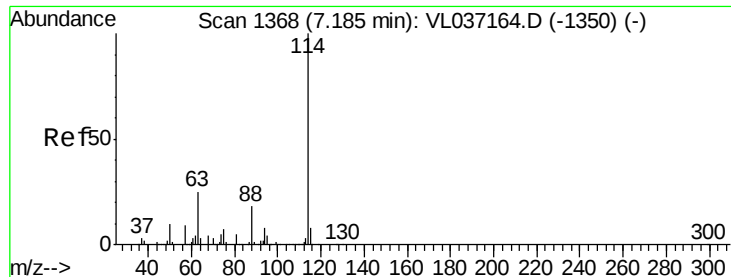


#32

1,1,1-Trichloroethane
Concen: 9.321 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.2	78.4
61	48.5	38.8	58.2





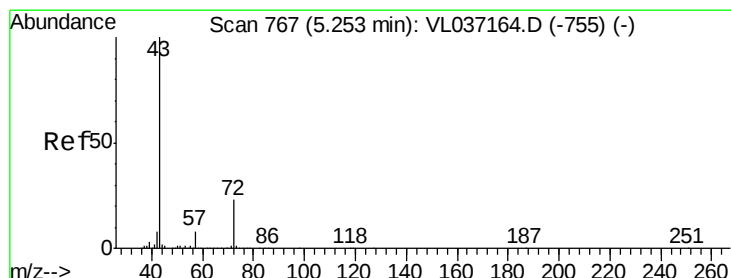
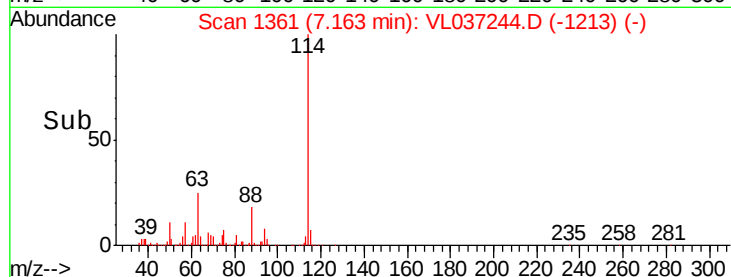
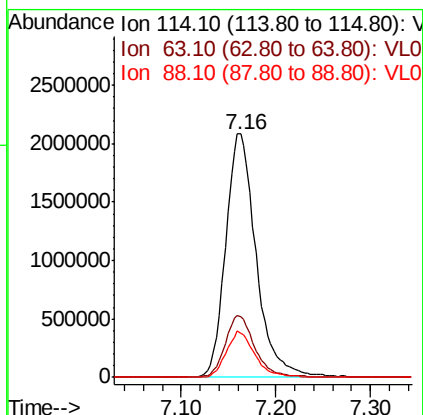
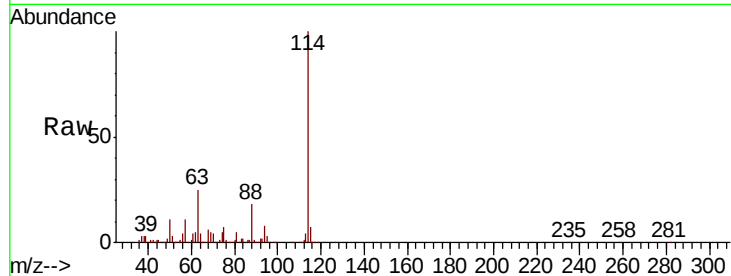
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4652096
 Ion Ratio Lower Upper
 114 100
 63 25.1 19.6 29.4
 88 17.9 14.2 21.2

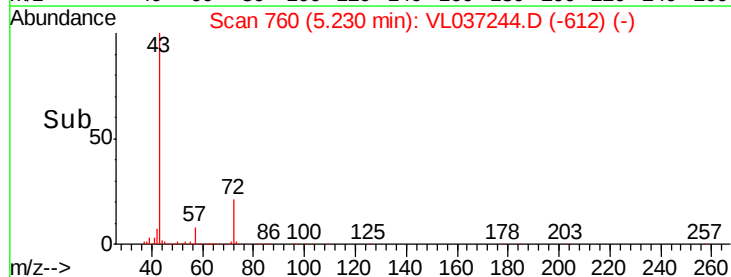
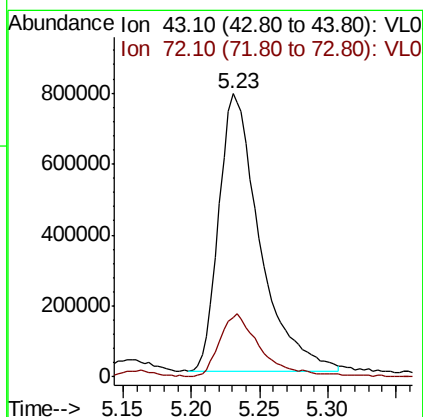
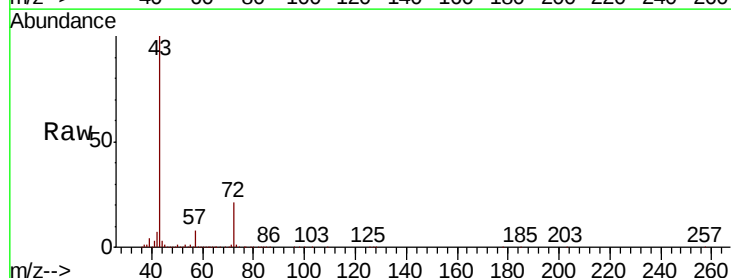
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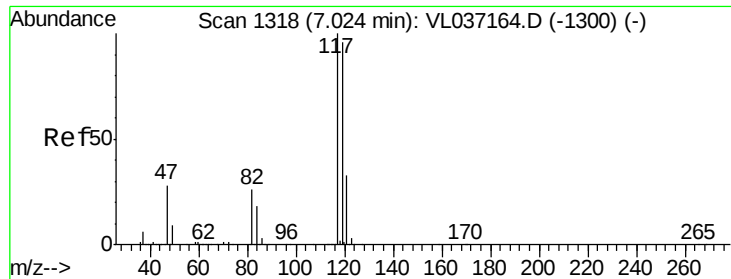
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#34
 2-Butanone
 Concen: 9.104 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion: 43 Resp: 1647231
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.9 28.3





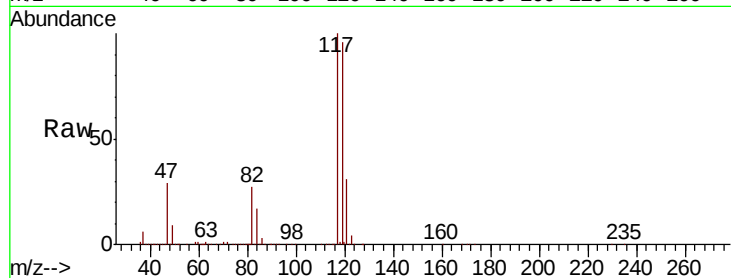
#35
Carbon Tetrachloride
Concen: 10.228 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

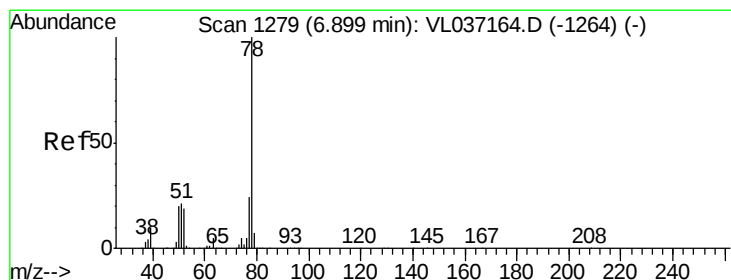
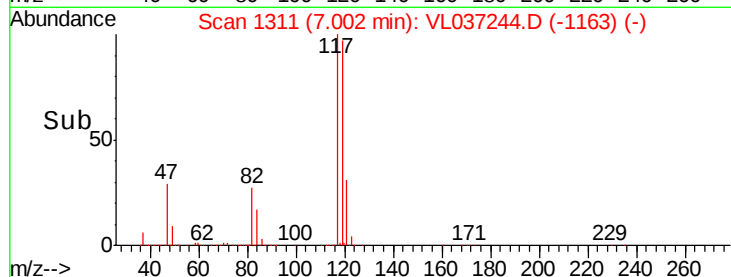
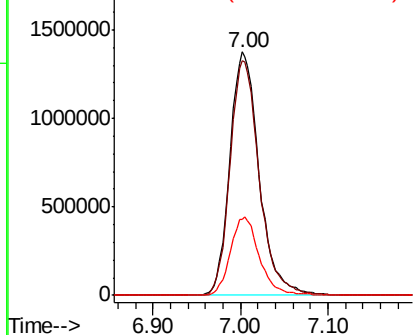
Tot Ion:117 Resp: 3191433
Ion Ratio Lower Upper
117 100
119 96.4 76.6 114.8
121 31.2 26.4 39.6

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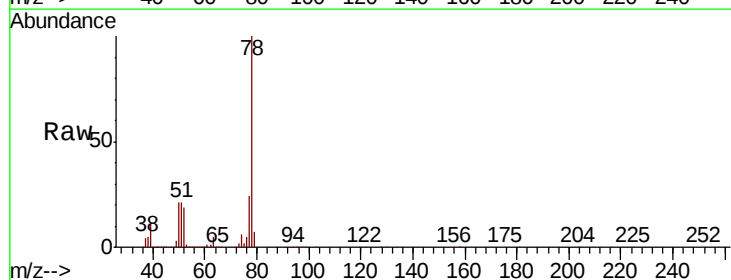


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

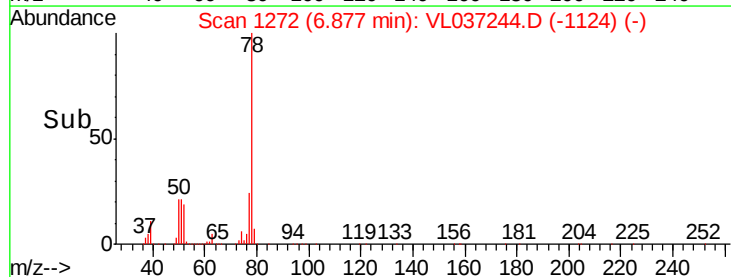
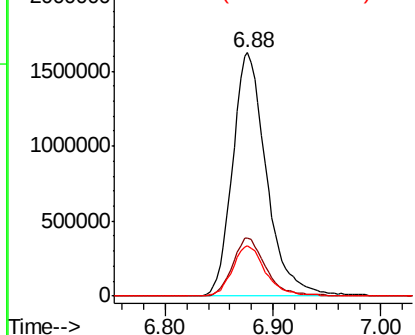


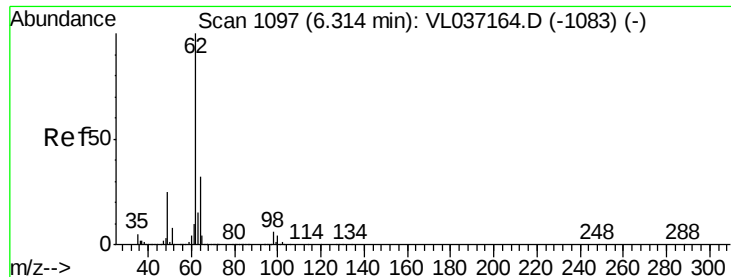
#36
Benzene
Concen: 9.448 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion: 78 Resp: 3553979
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6
50 20.7 15.7 23.5



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





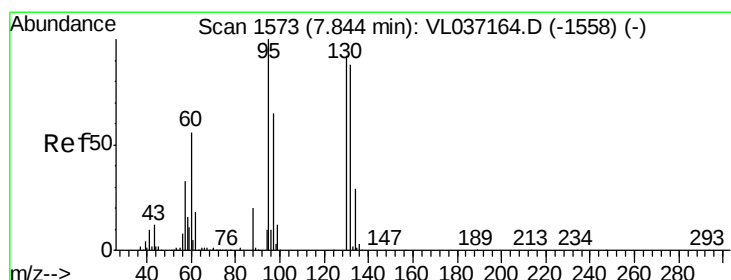
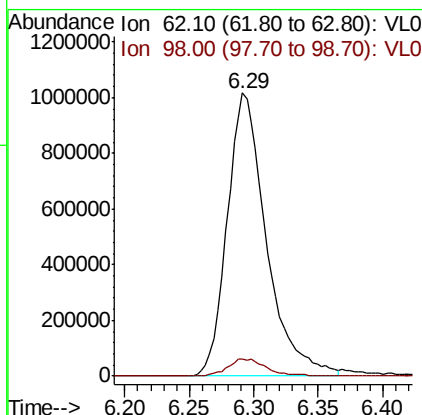
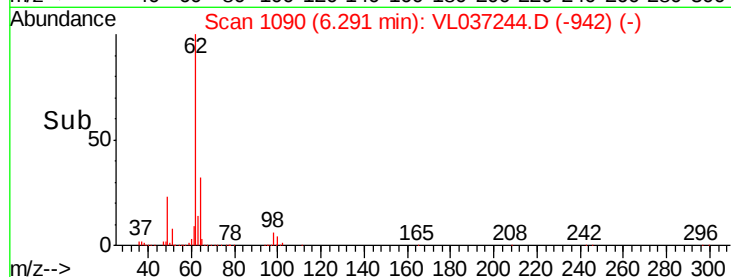
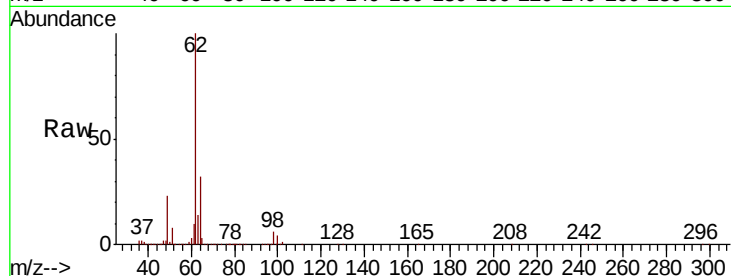
#37
 1,2-Dichloroethane
 Concen: 9.812 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 2144184
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.0 7.6

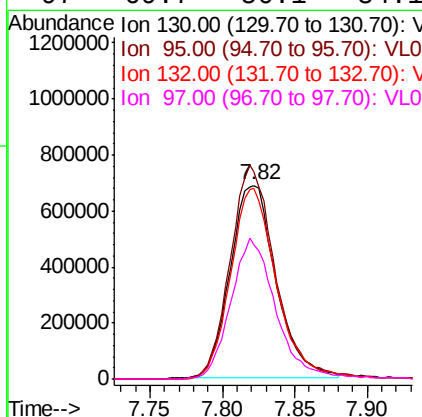
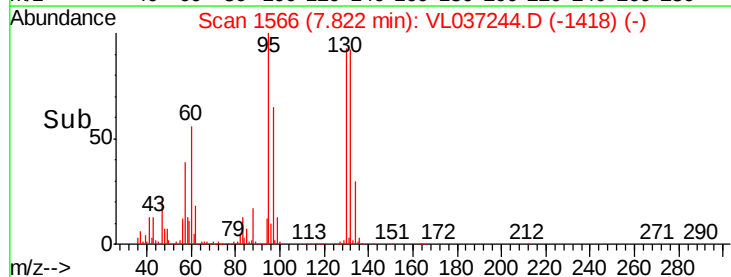
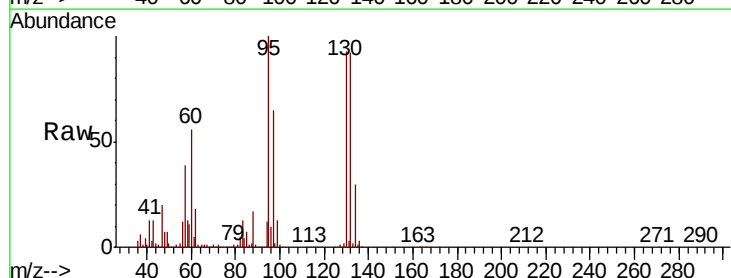
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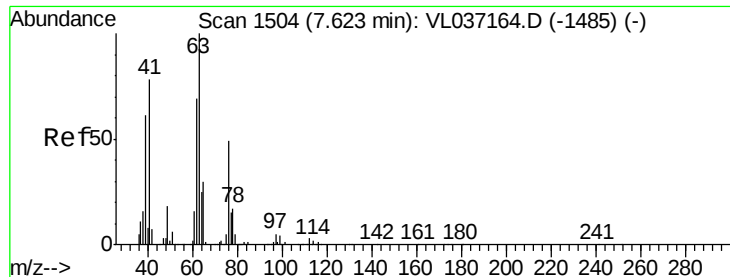
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#38
 Trichloroethene
 Concen: 8.391 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion: 130 Resp: 1500455
 Ion Ratio Lower Upper
 130 100
 95 107.8 86.6 129.8
 132 99.1 76.6 114.8
 97 69.7 56.1 84.1





#39

1,2-Dichloropropane

Concen: 9.891 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1382655

Ion Ratio Lower Upper

63 100

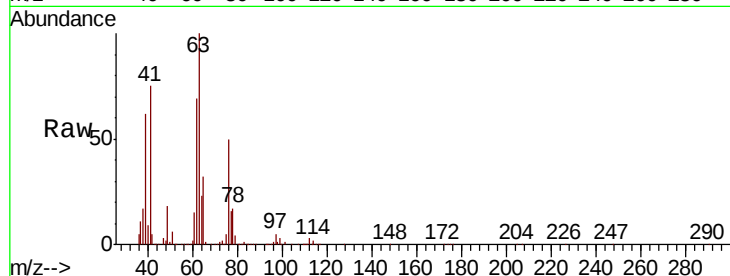
41 74.4 62.0 93.0

62 69.1 54.9 82.3

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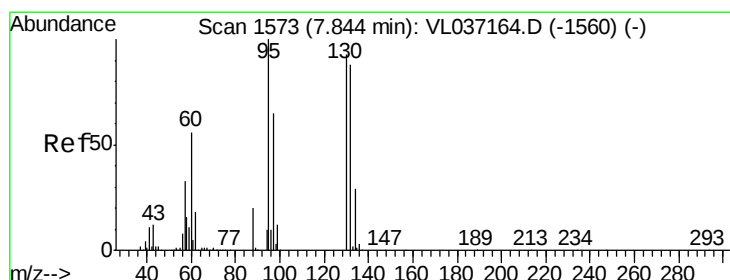
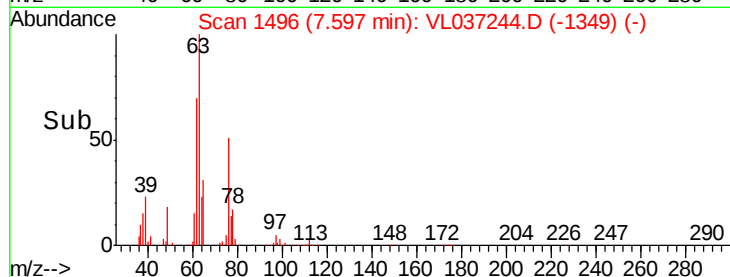
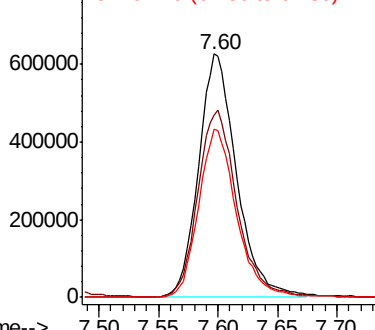


Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.060 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion: 88 Resp: 308960

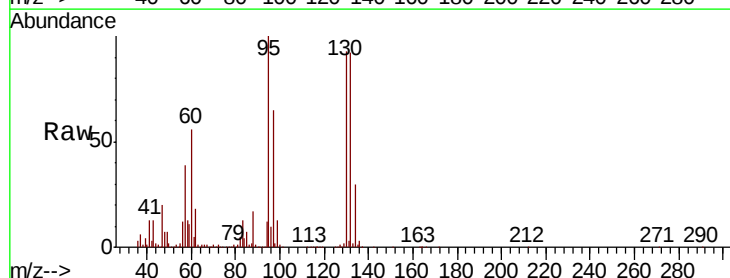
Ion Ratio Lower Upper

88 100

58 0.0 118.4 177.6#

43 0.0 284.0 426.0#

57 0.0 1231.8 1847.6#



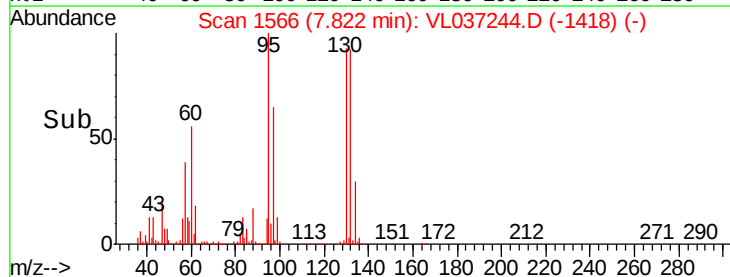
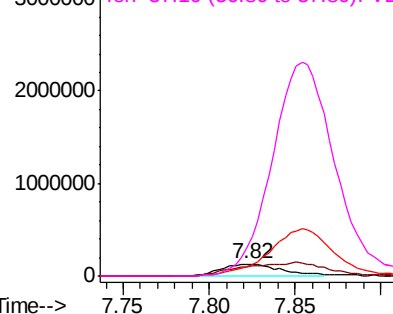
Abundance

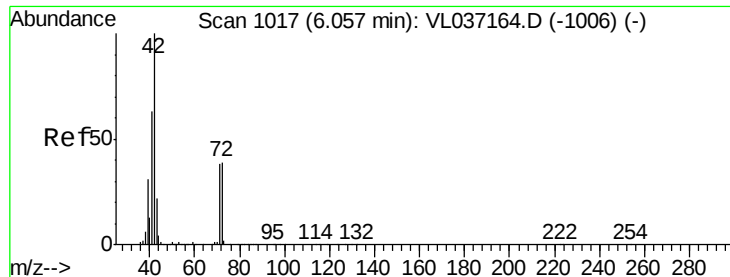
Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.905 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

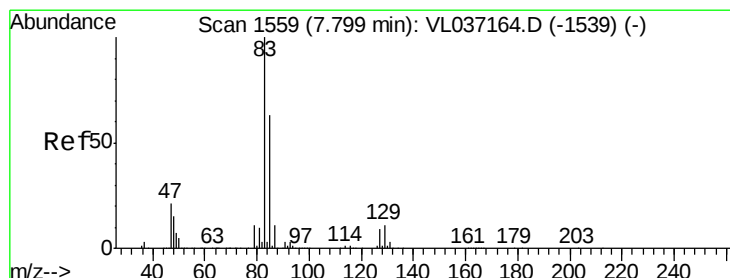
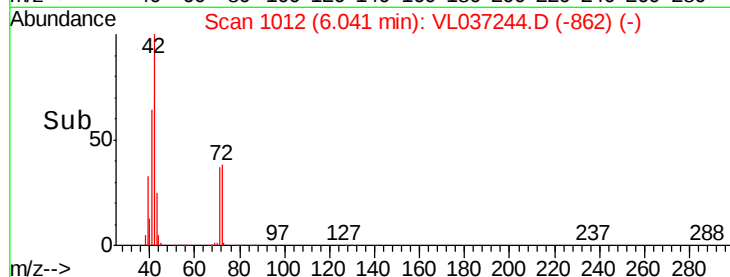
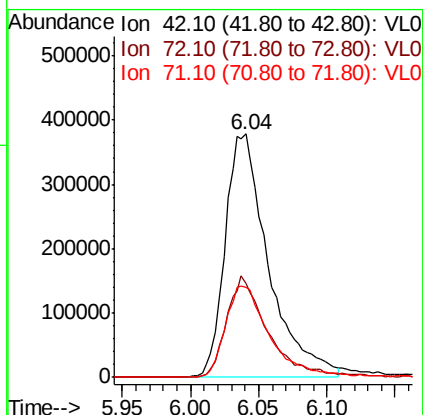
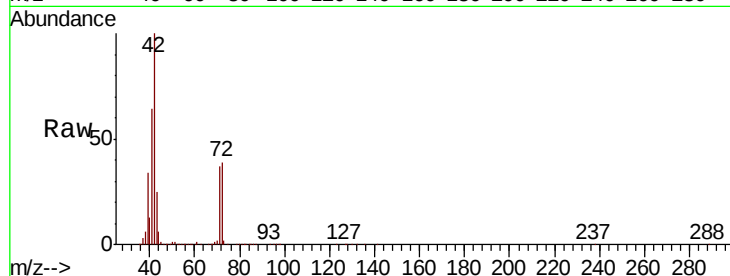
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	832438
Ion Ratio		Lower	Upper
42	100		
72	40.4	33.0	49.4
71	39.3	31.0	46.6

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#42

Bromodichloromethane

Concen: 10.134 ppbv

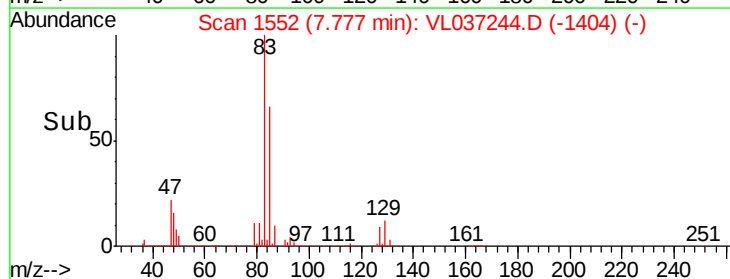
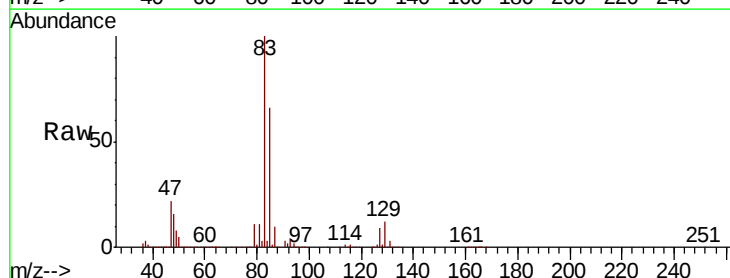
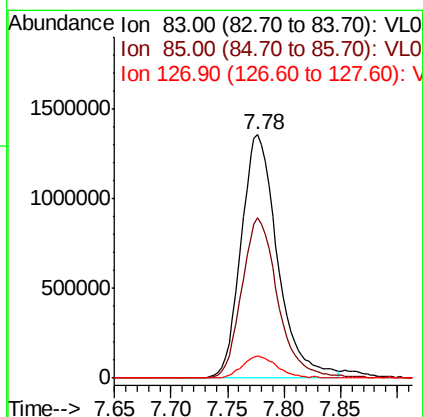
RT: 7.78 min Scan# 1552

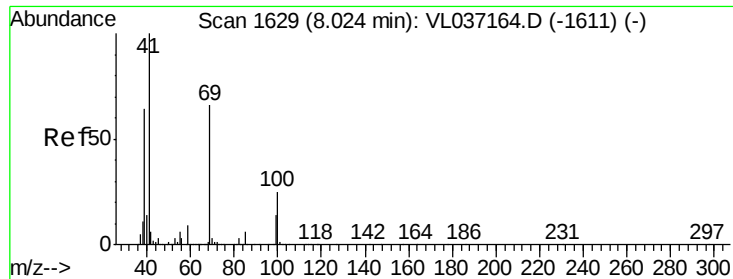
Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion:	83	Resp:	3055312
Ion Ratio		Lower	Upper
83	100		
85	66.1	50.8	76.2
127	9.1	7.0	10.6





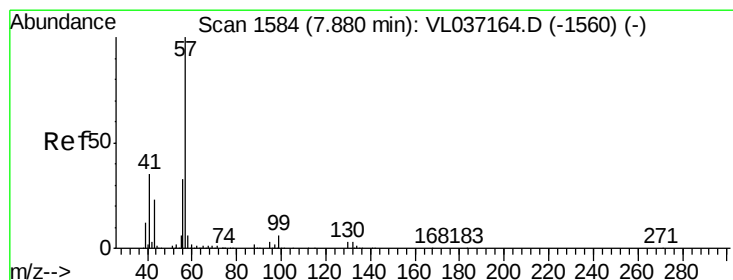
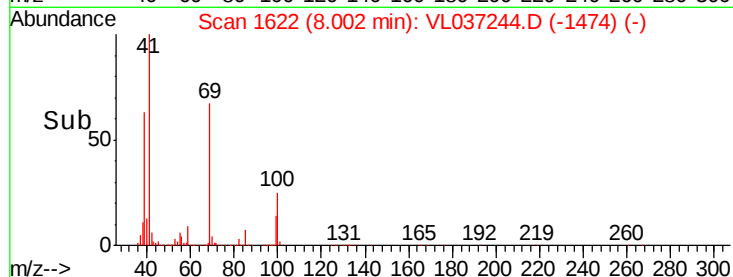
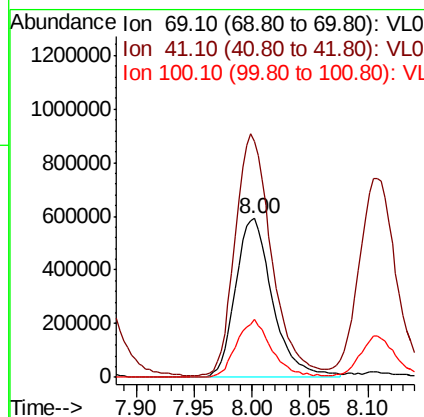
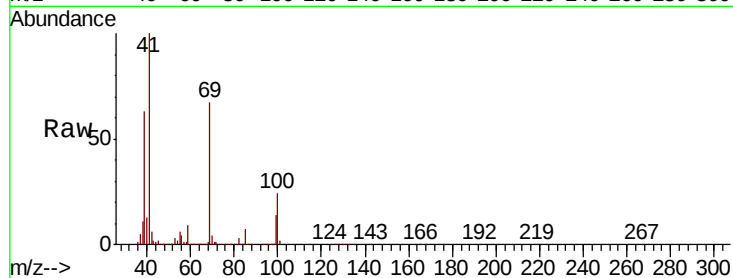
#43
Methvl Methacrilate
Concen: 10.127 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1315692
Ion Ratio Lower Upper
69 100
41 151.0 119.4 179.0
100 34.8 28.6 43.0

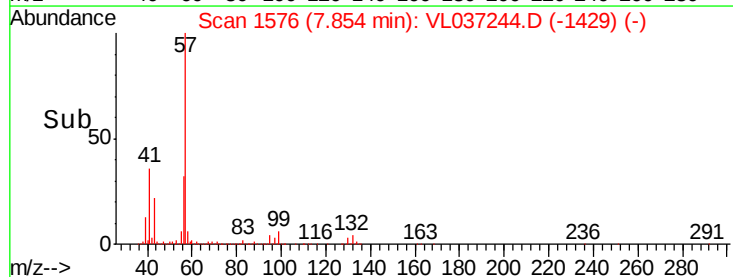
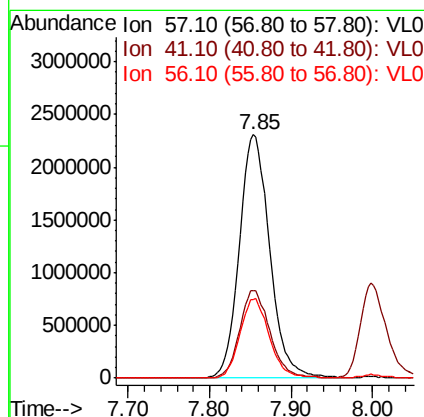
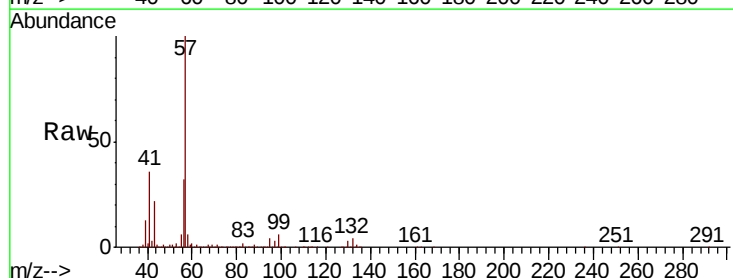
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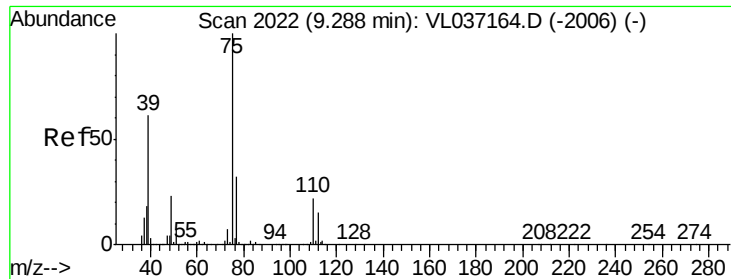
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#44
2,2,4-Trimethylpentane
Concen: 9.391 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion: 57 Resp: 5948452
Ion Ratio Lower Upper
57 100
41 35.9 27.6 41.4
56 31.7 25.3 37.9





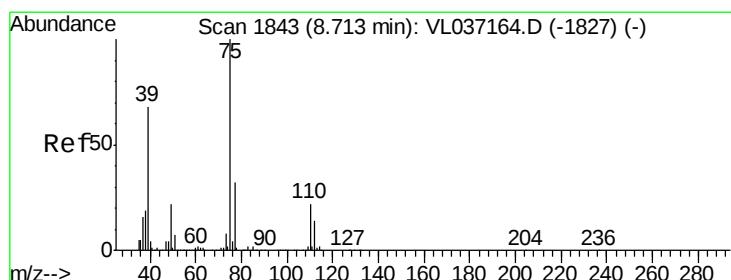
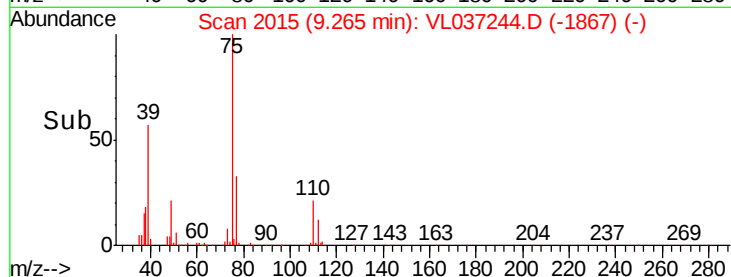
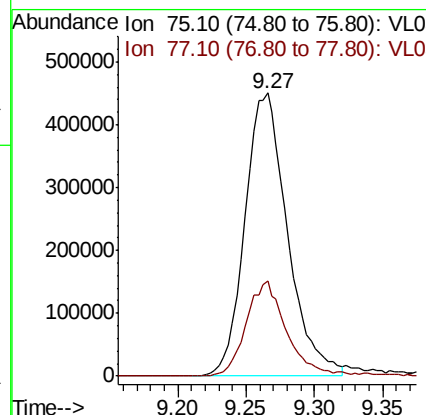
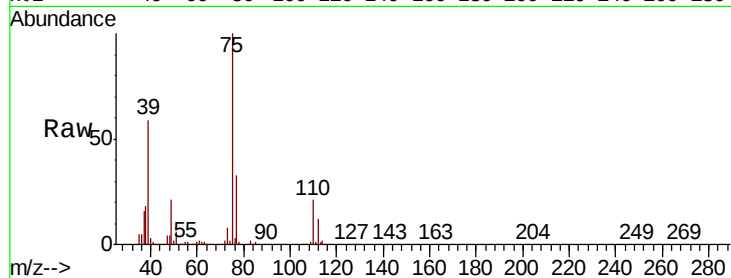
#45
t-1,3-Dichloropropene
Concen: 8.506 ppbv
RT: 9.27 min Scan# 2015
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 975006
Ion Ratio Lower Upper
75 100
77 33.5 25.6 38.4

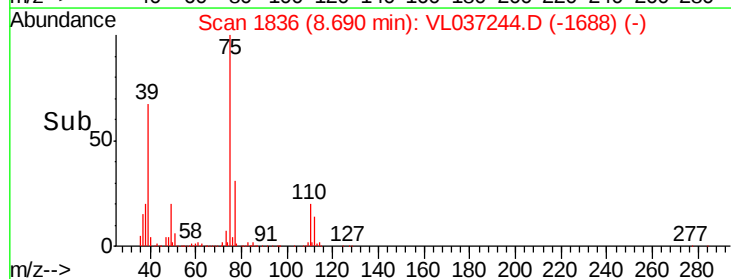
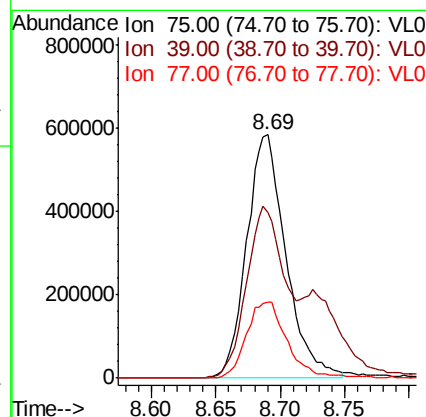
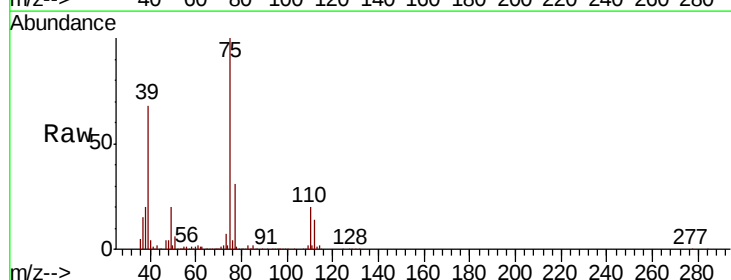
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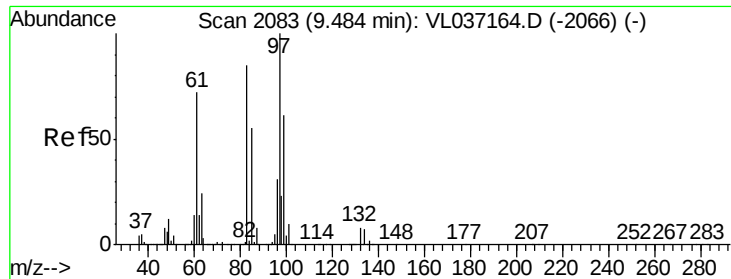
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#46
cis-1,3-Dichloropropene
Concen: 7.895 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion: 75 Resp: 1237953
Ion Ratio Lower Upper
75 100
39 67.7 54.7 82.1
77 31.2 25.8 38.8





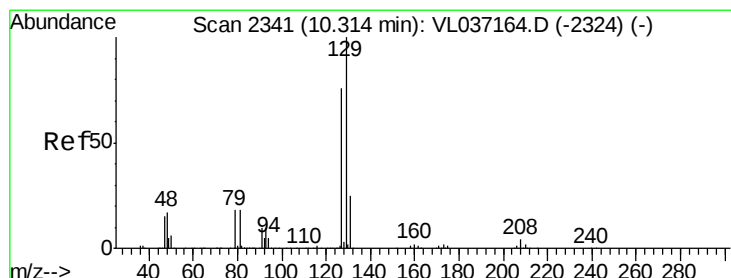
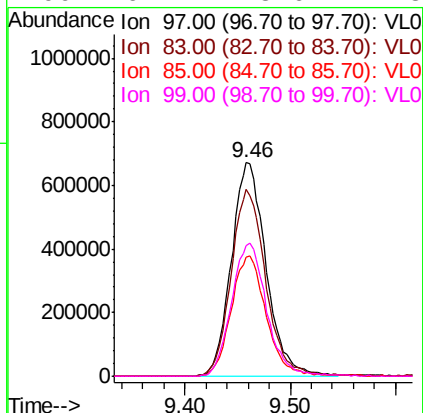
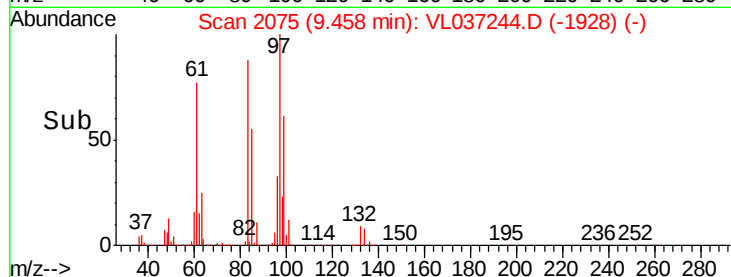
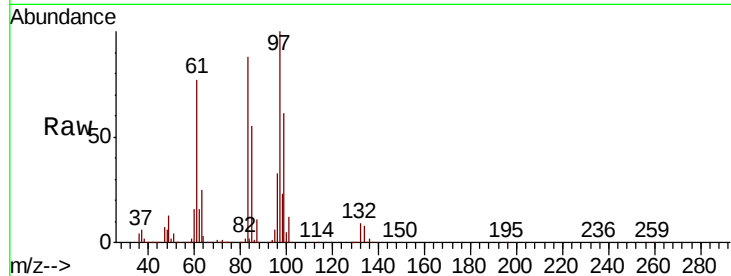
#47
 1,1,2-Trichloroethane
 Concen: 9.618 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.5	68.3	102.5	
85	55.4	44.1	66.1	
99	61.1	48.6	72.8	

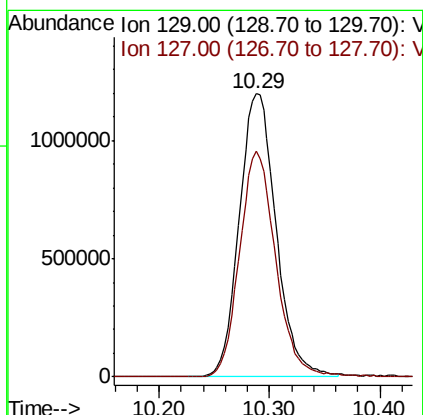
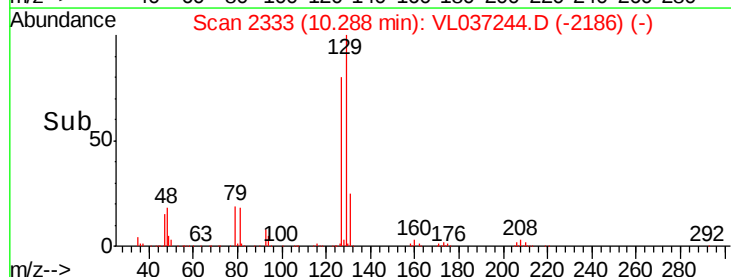
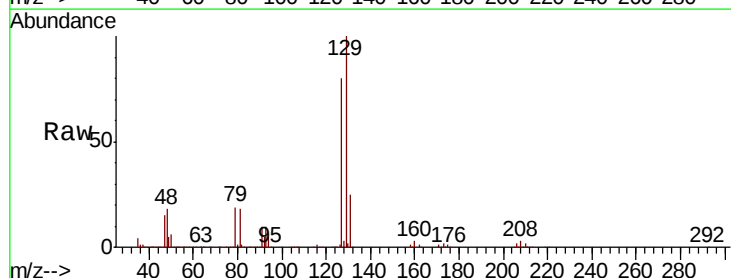
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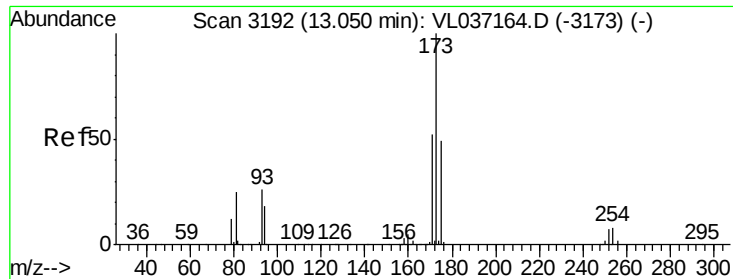
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#48
 Dibromochloromethane
 Concen: 11.015 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. -0.03 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	39.1	117.2	





#49

Bromoform

Concen: 12.102 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2269848

Ion Ratio Lower Upper

173 100

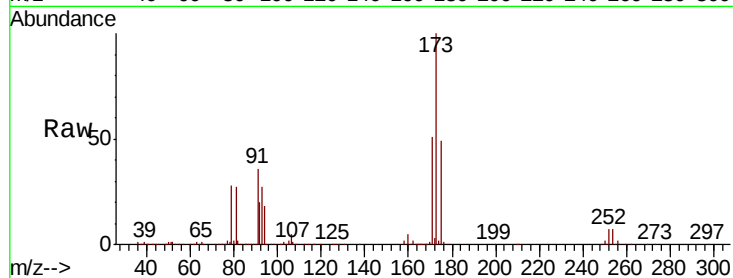
175 49.5 40.2 60.4

171 53.3 41.8 62.8

Manual Integrations
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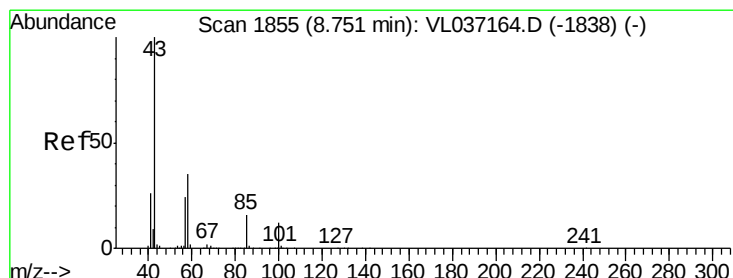
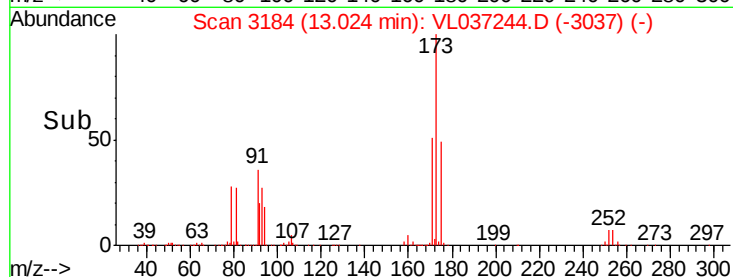
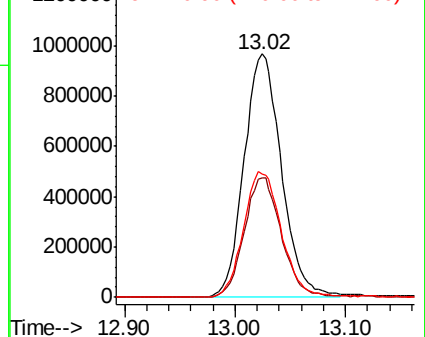
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.273 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.02 min

Lab File: VL037244.D

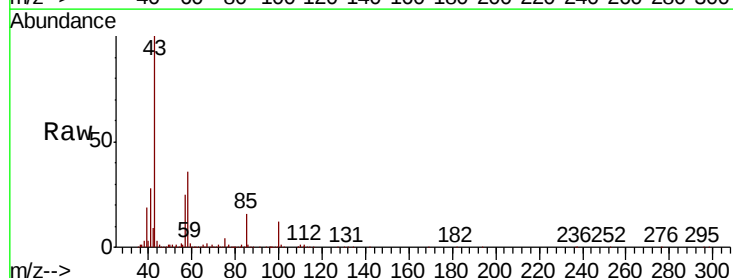
Acq: 29 Jun 2021 10:14

Tgt Ion: 43 Resp: 2552883

Ion Ratio Lower Upper

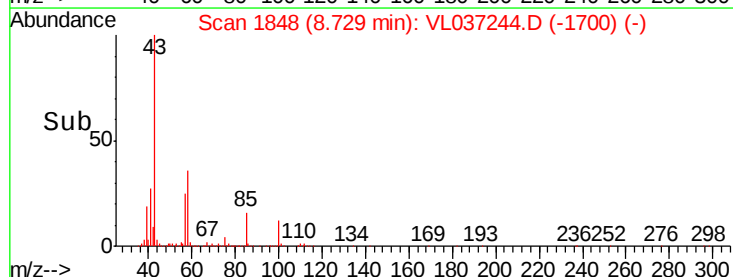
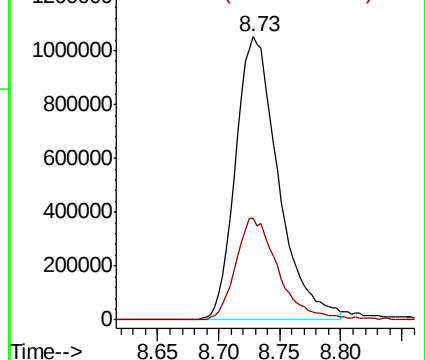
43 100

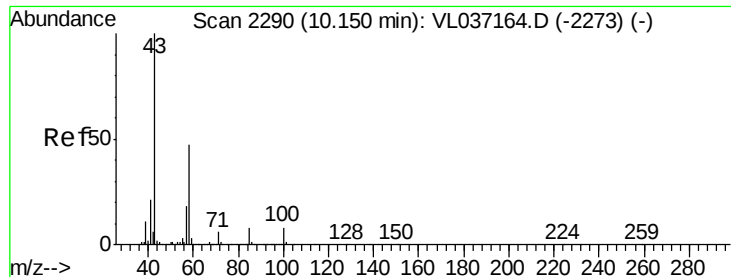
58 36.2 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.057 ppbv

RT: 10.12 min Scan# 2281

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1336865

Ion Ratio Lower Upper

43 100

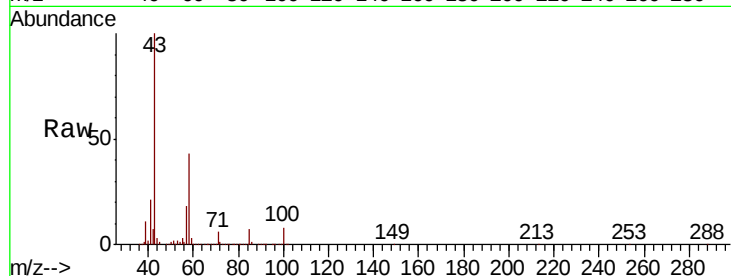
58 47.0 38.4 57.6

98 0.5 0.3 0.5#

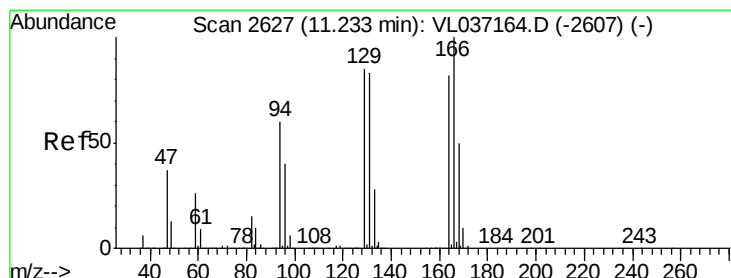
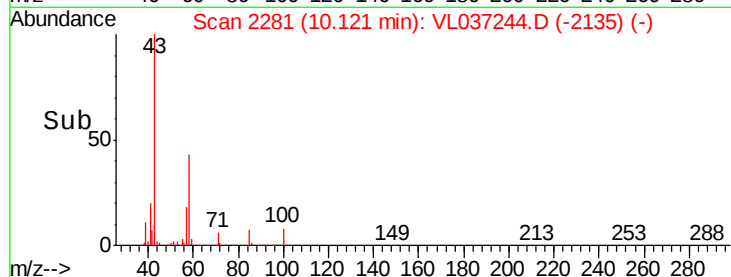
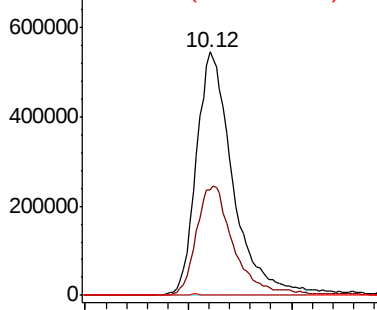
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.449 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion: 164 Resp: 1476913

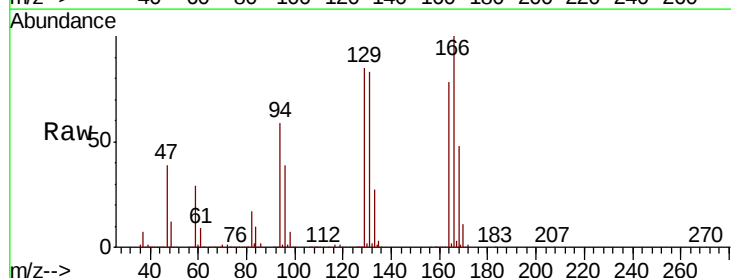
Ion Ratio Lower Upper

164 100

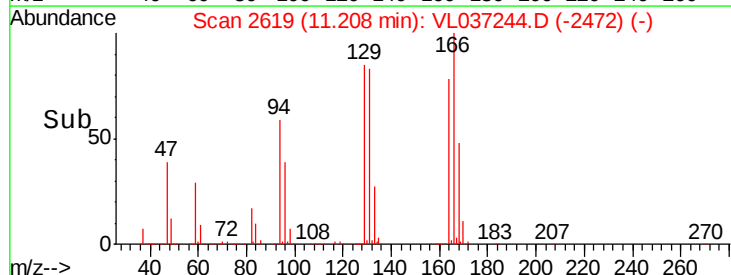
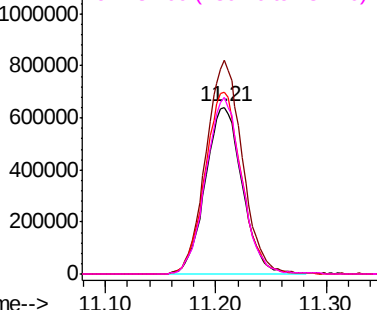
166 127.9 97.6 146.4

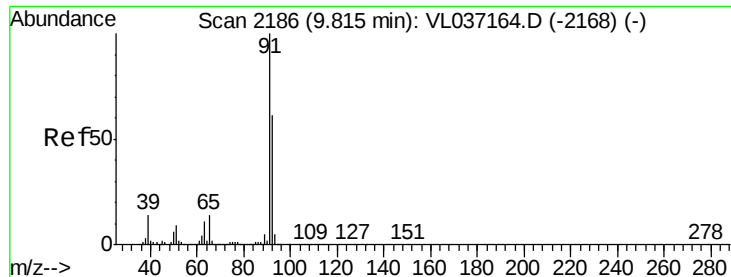
129 108.6 82.9 124.3

131 105.7 80.6 120.8



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: 9.583 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4306291

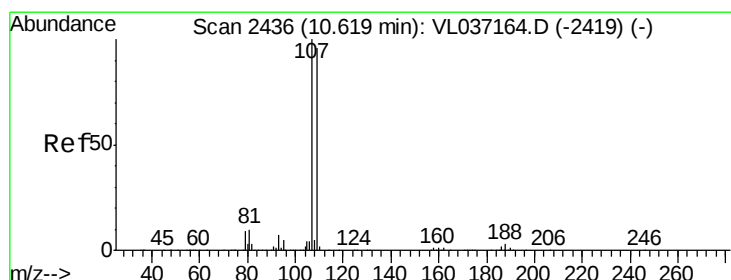
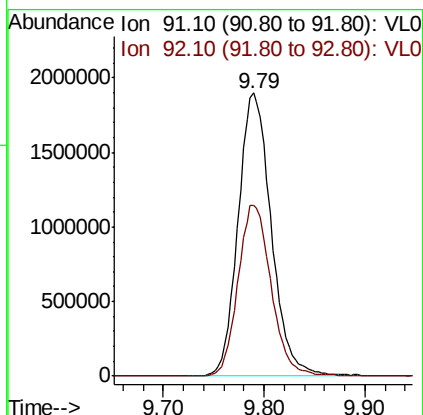
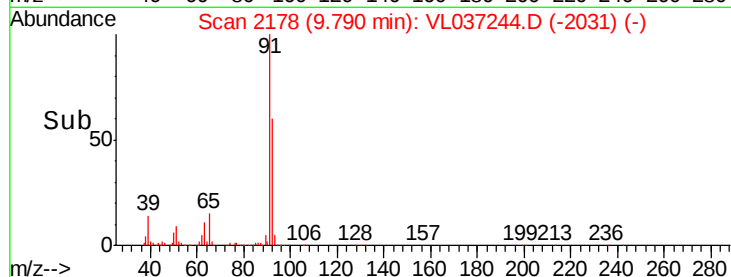
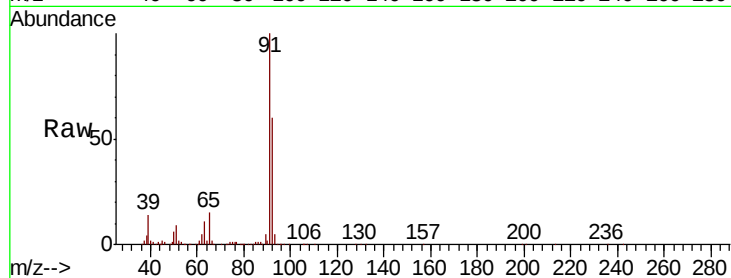
Ion Ratio Lower Upper

91 100

92 60.7 48.3 72.5

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#54

1,2-Dibromoethane

Concen: 9.974 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.03 min

Lab File: VL037244.D

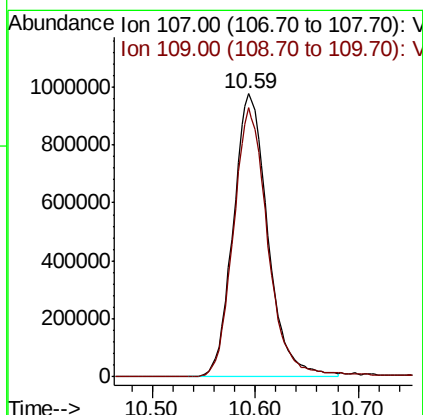
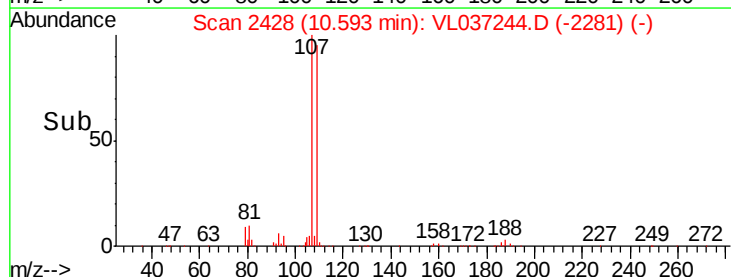
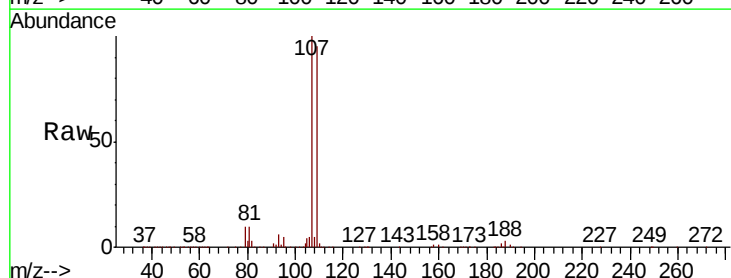
Acq: 29 Jun 2021 10:14

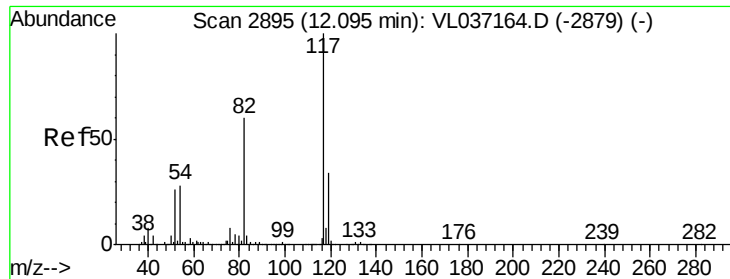
Tgt Ion: 107 Resp: 2285865

Ion Ratio Lower Upper

107 100

109 95.2 77.0 115.6





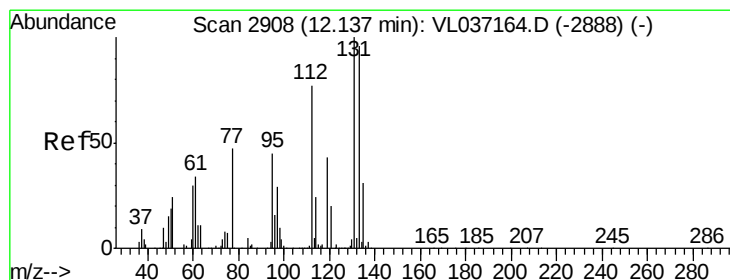
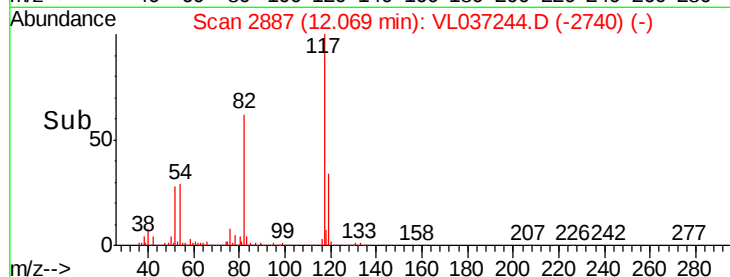
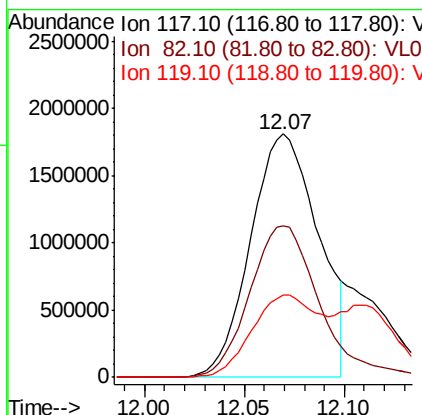
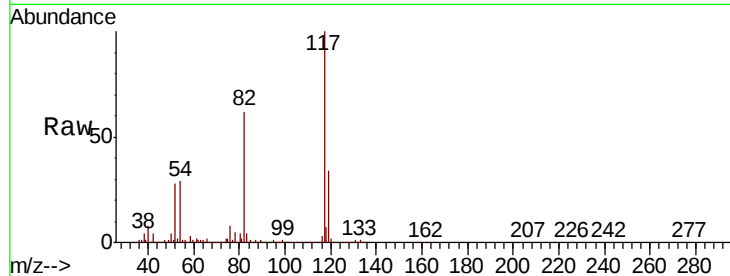
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2887
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 4289913
Ion Ratio Lower Upper
117 100
82 65.3 51.7 77.5
119 60.5 47.6 71.4

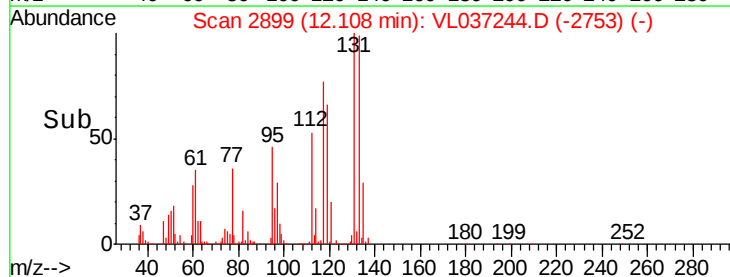
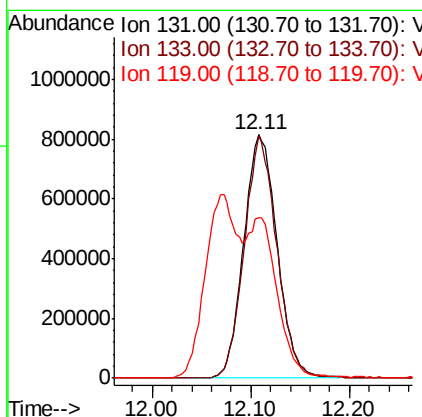
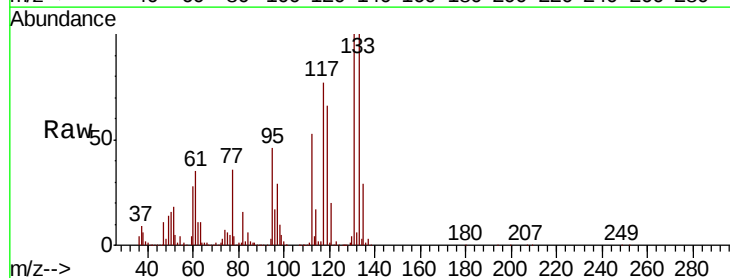
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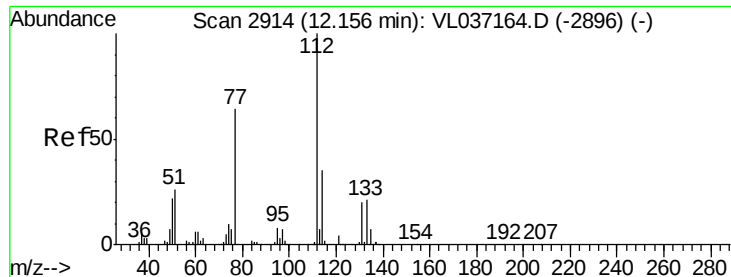
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.155 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion:131 Resp: 1904724
Ion Ratio Lower Upper
131 100
133 96.9 76.5 114.7
119 55.4 48.6 72.8





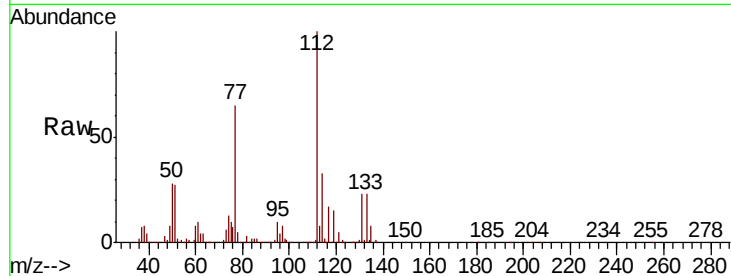
#57
Chlorobenzene
Concen: 9.432 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

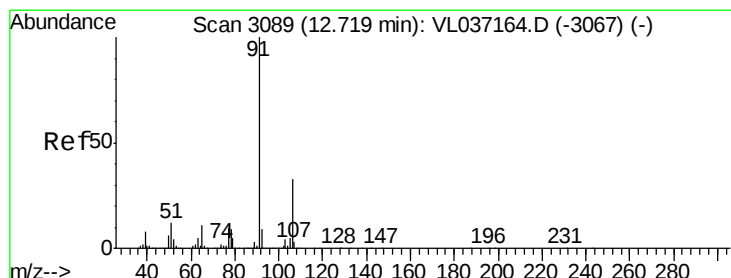
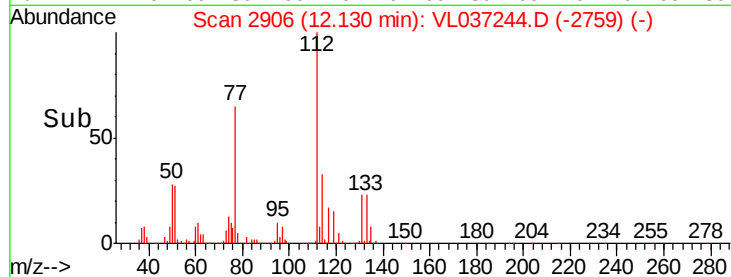
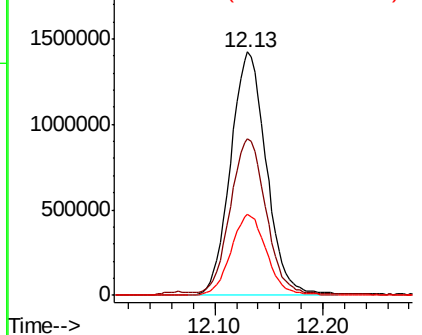
Tot Ion	Ratio	Lower	Upper
112	100		
77	63.8	52.2	78.4
114	33.2	31.1	38.1

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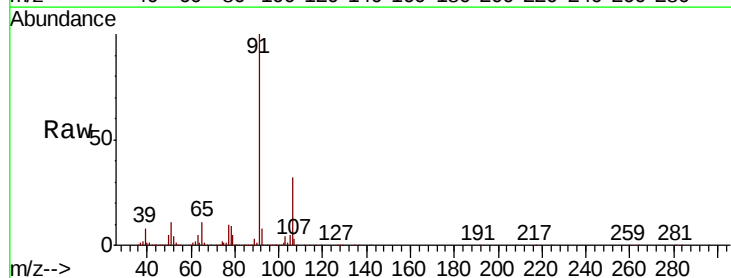


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

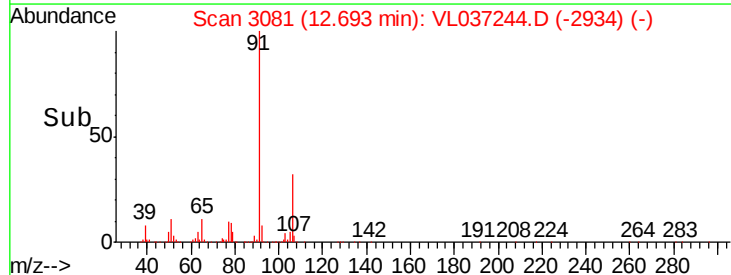
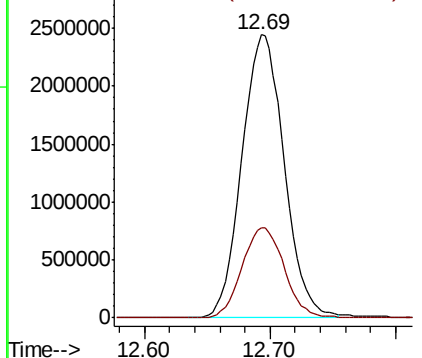


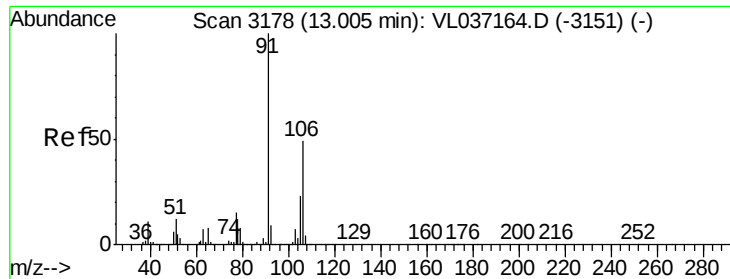
#58
Ethyl Benzene
Concen: 9.694 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	26.3	39.5



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





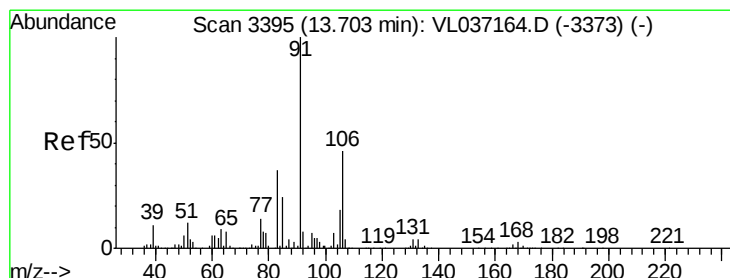
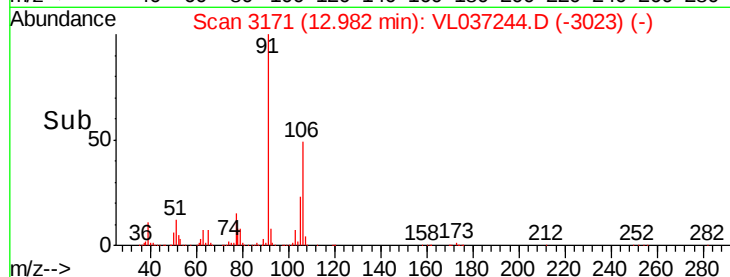
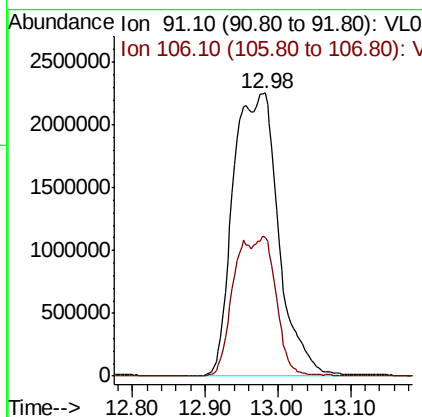
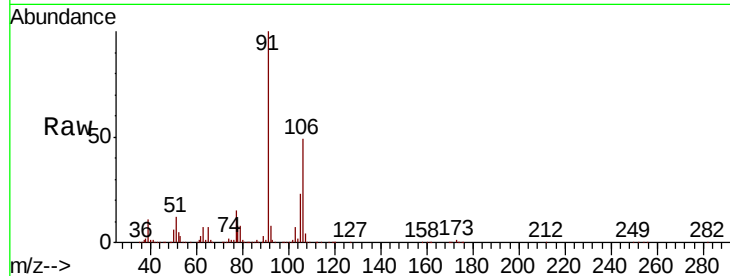
#59
m/p-Xylene
Concen: 19.532 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 9775309
Ion Ratio Lower Upper
91 100
106 45.7 37.0 55.4

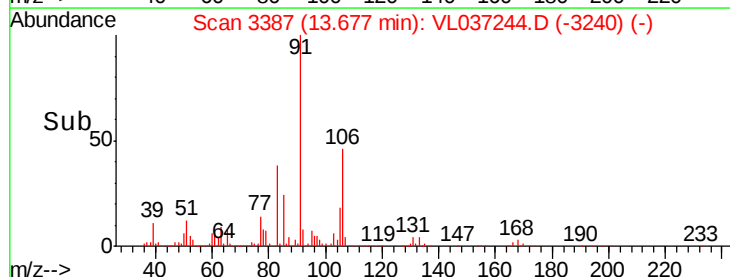
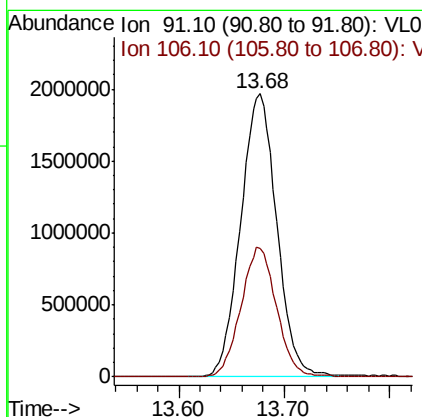
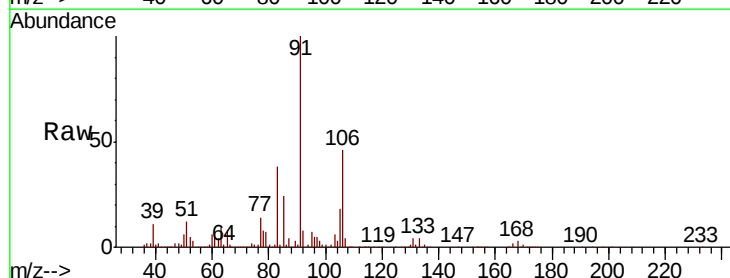
Manual Integrations
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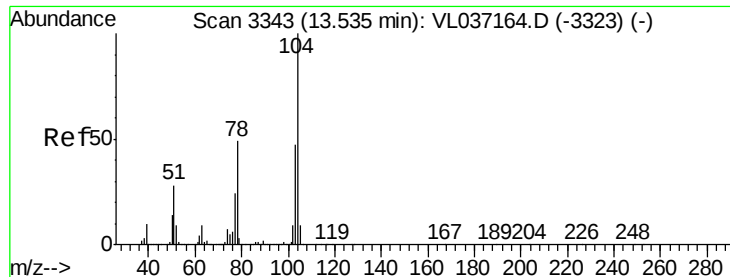
MMDadoda
7/5/2021 3:37:58 PM



#60
o-Xylene
Concen: 9.795 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion: 91 Resp: 4667616
Ion Ratio Lower Upper
91 100
106 45.4 23.0 69.0





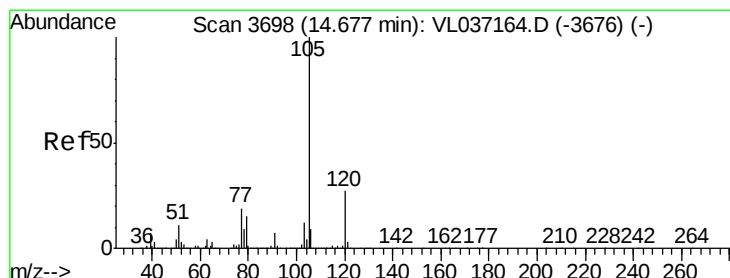
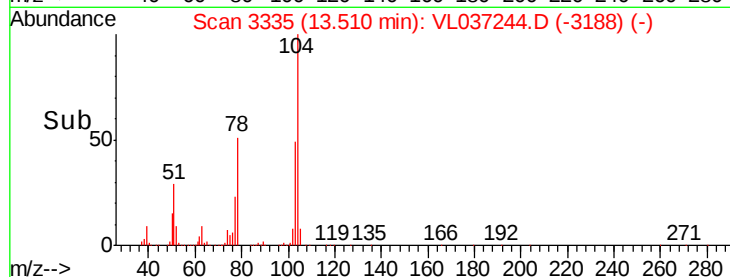
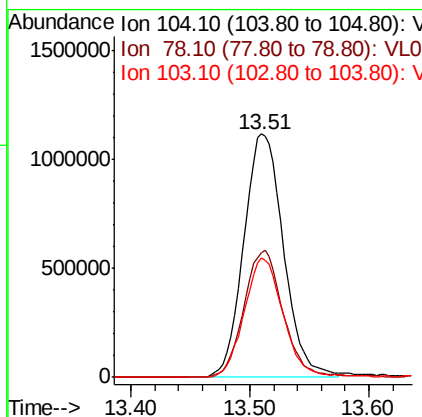
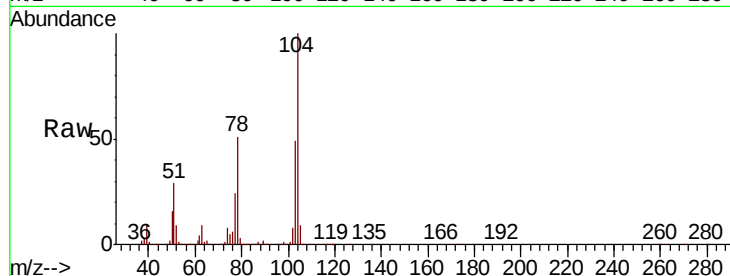
#61
Stvrene
Concen: 10.521 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.7	39.7	59.5
103	48.2	37.6	56.4

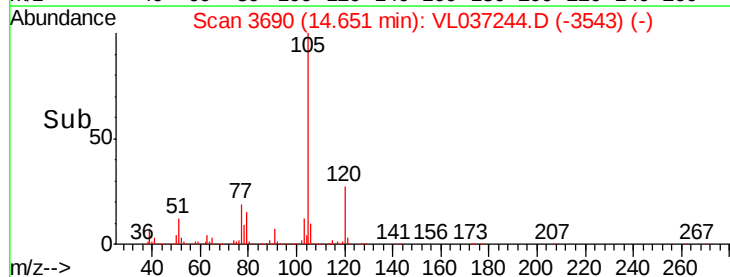
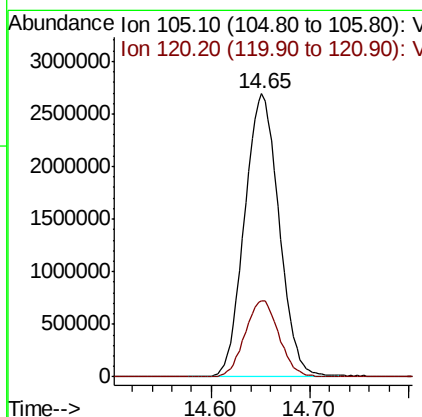
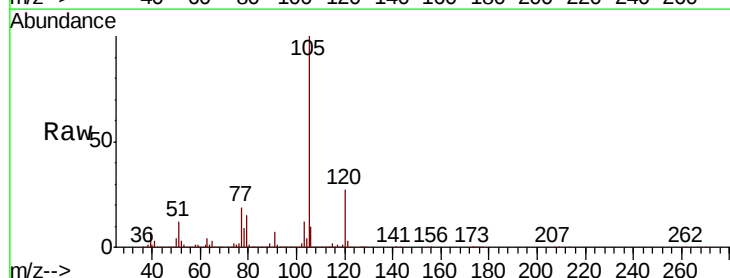
Manual Integrations
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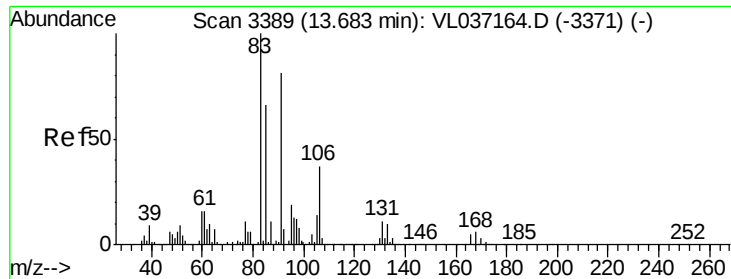
MMDadoda
7/5/2021 3:37:58 PM



#62
Isopropylbenzene
Concen: 9.617 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.6	32.4





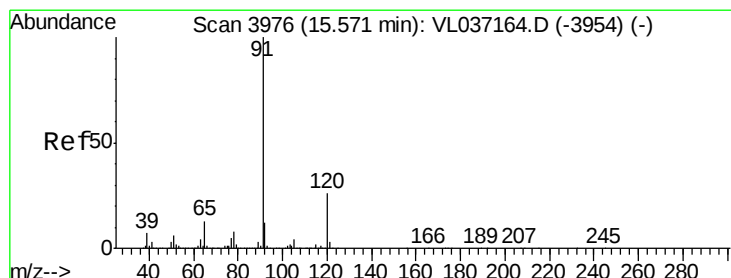
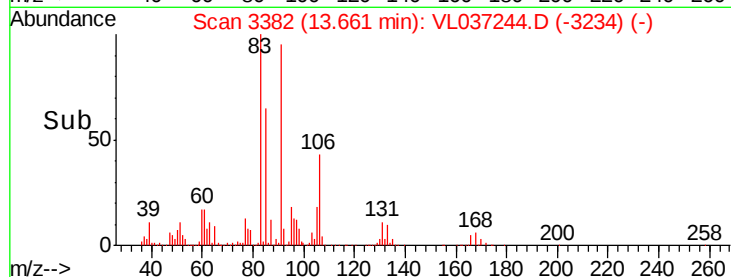
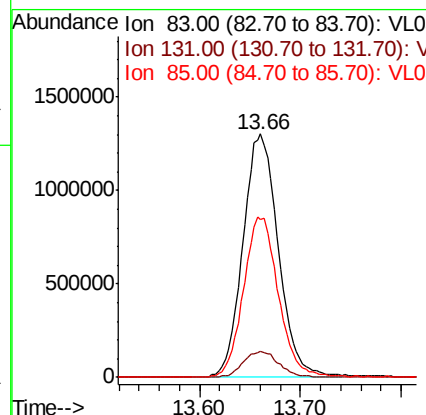
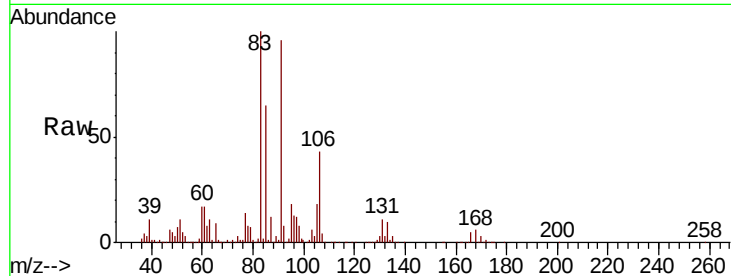
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.977 ppbv
 RT: 13.66 min Scan# 3382
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 83 Resp: 3165583
 Ion Ratio Lower Upper
 83 100
 131 10.8 5.4 16.2
 85 65.3 33.1 99.2

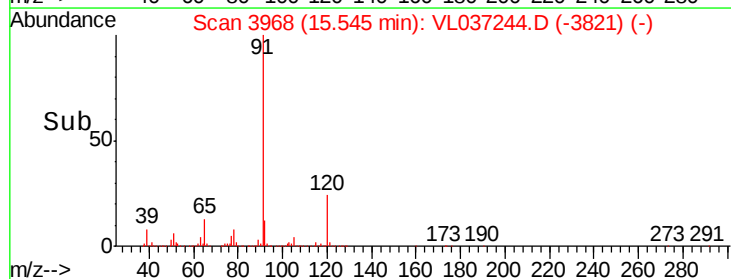
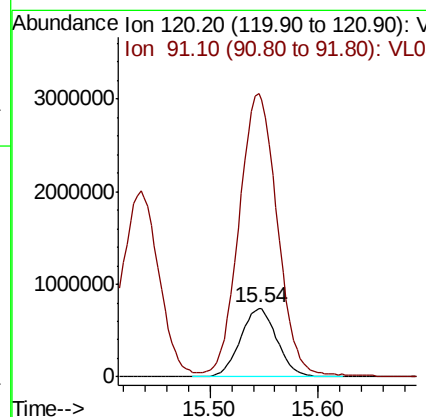
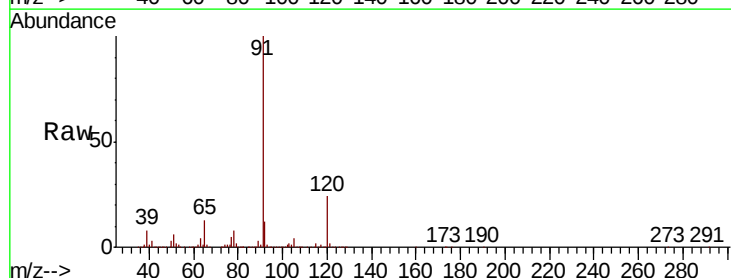
Manual Integrations
 APPROVED

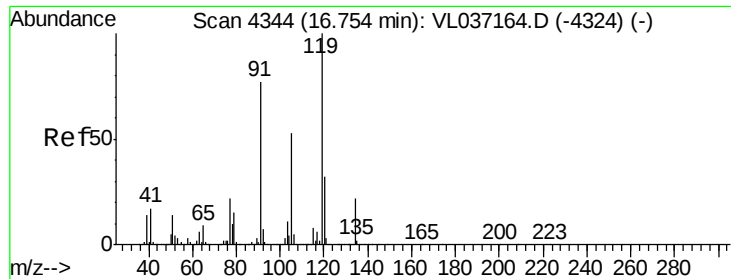
MMDadoda
 7/5/2021 3:37:58 PM



#64
 n-propylbenzene
 Concen: 10.309 ppbv
 RT: 15.54 min Scan# 3968
 Delta R.T. -0.03 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion: 120 Resp: 1749413
 Ion Ratio Lower Upper
 120 100
 91 433.6 343.3 514.9





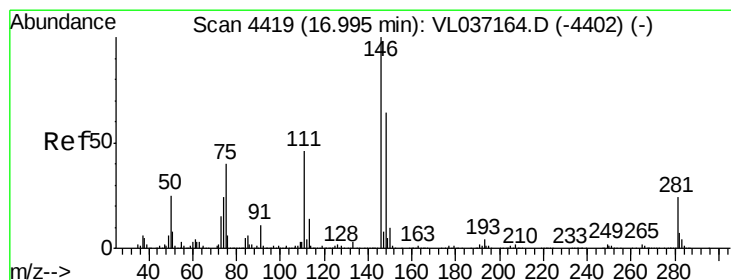
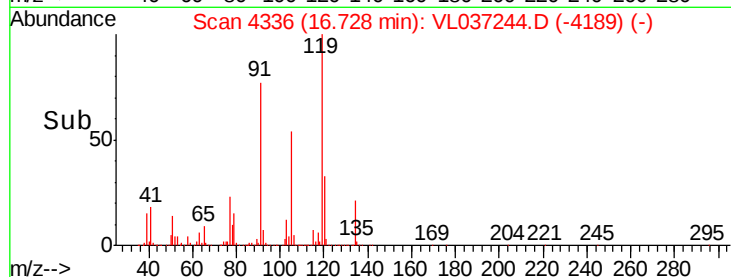
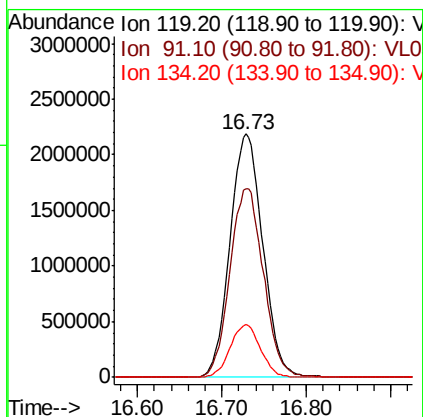
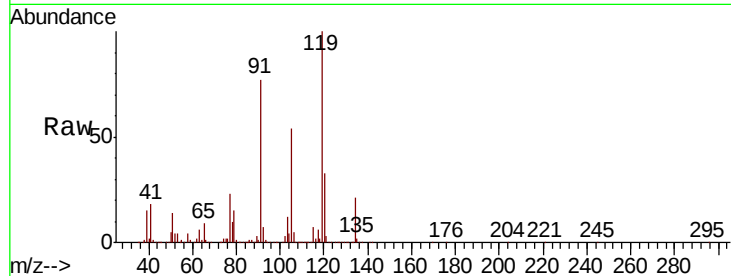
#65
tert-Butylbenzene
Concen: 9.848 ppbv
RT: 16.73 min Scan# 4336
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	79.3	62.6	93.8
134	20.2	16.2	24.4

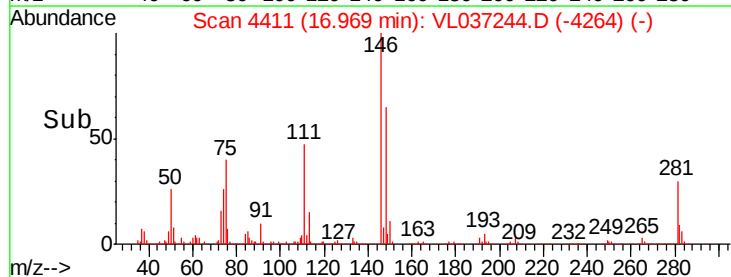
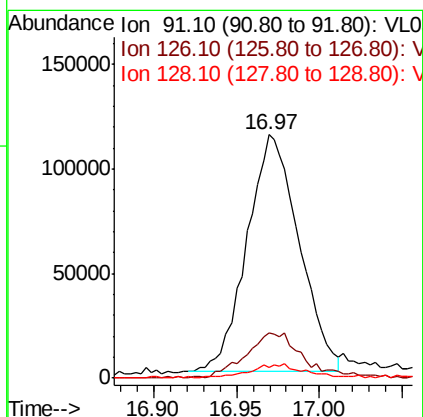
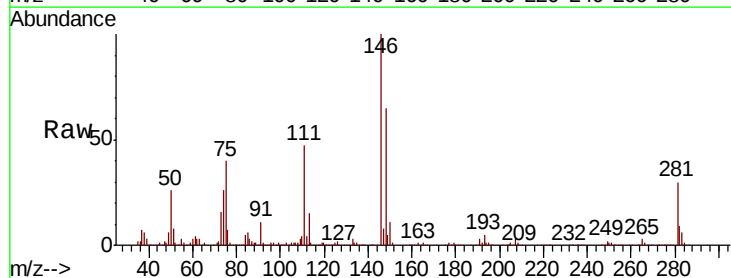
Manual Integrations
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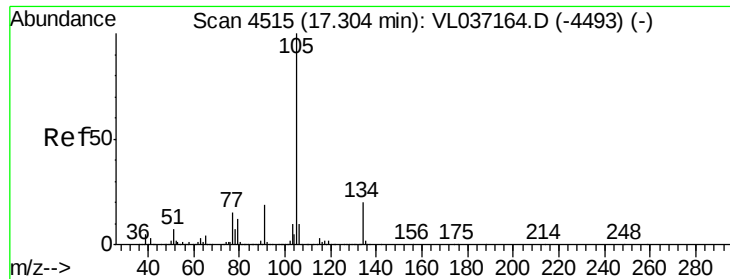
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#66
Benzyl Chloride
Concen: 9.740 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	21.8	15.5	23.3
128	6.5	5.7	8.5





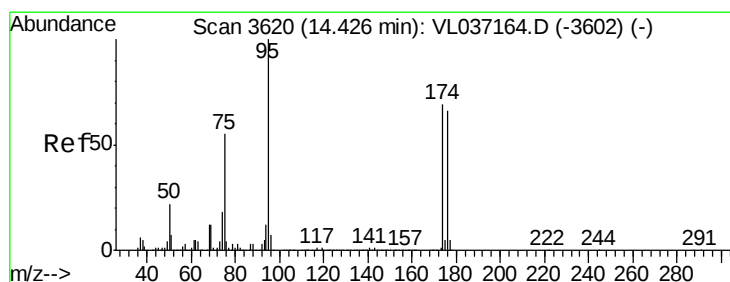
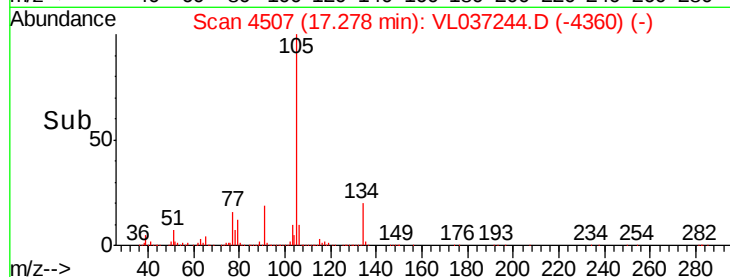
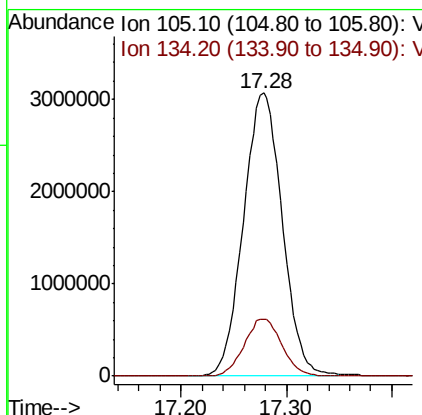
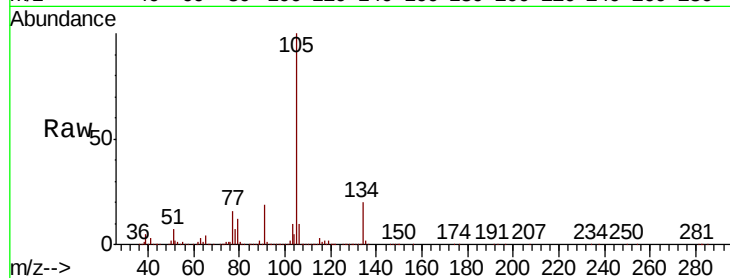
#67
 sec-Butylbenzene
 Concen: 9.801 ppbv
 RT: 17.28 min Scan# 4507
 Delta R.T. -0.03 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	15.8	23.6

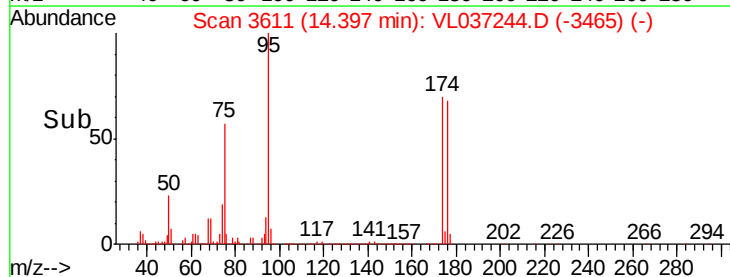
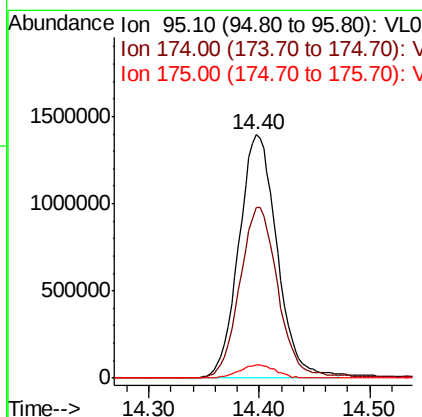
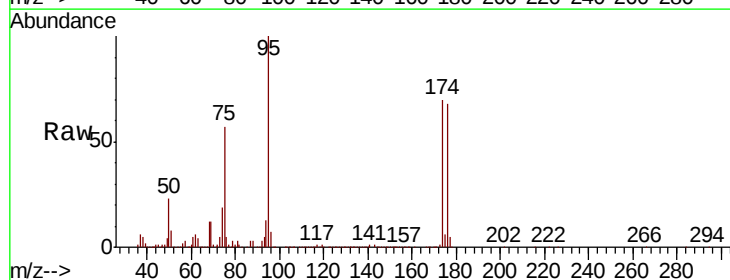
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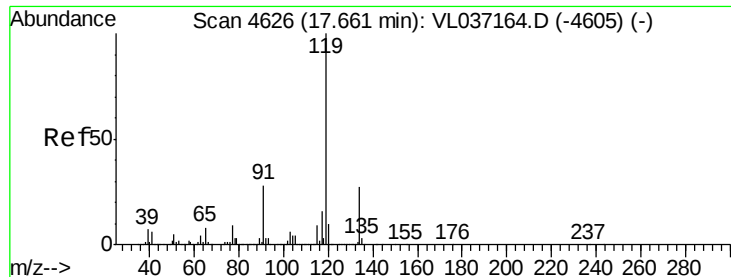
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.284 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. -0.03 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	71.3	57.0	85.4
175	5.3	4.4	6.6





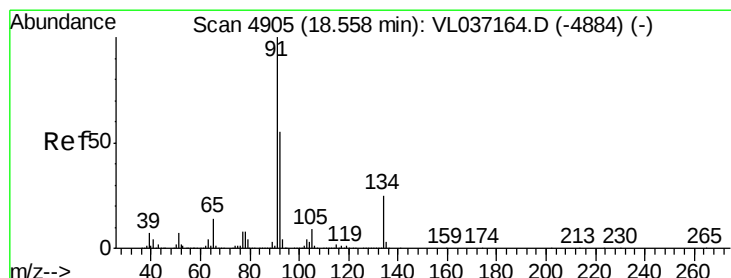
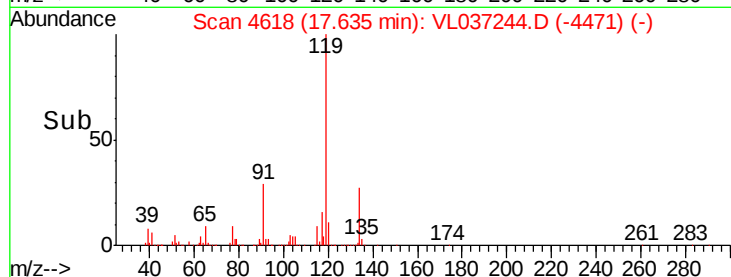
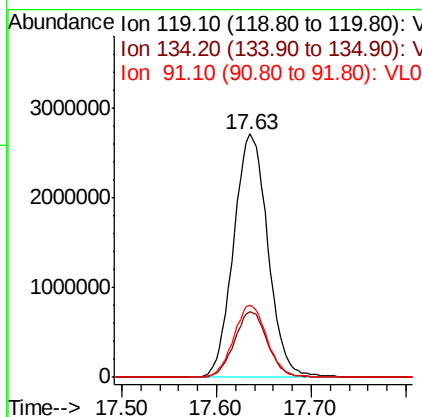
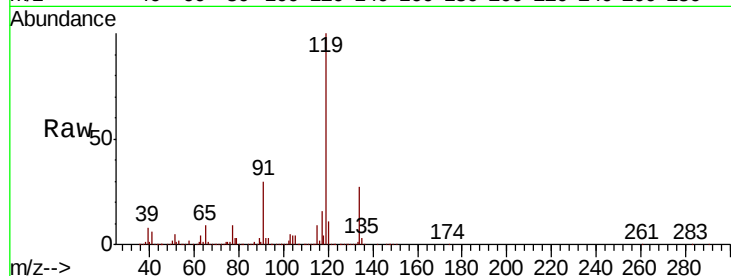
#69
 p-Isopropyltoluene
 Concen: 10.091 ppbv
 RT: 17.63 min Scan# 4618
 Delta R.T. -0.03 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.9	31.3
91	28.9	22.6	34.0

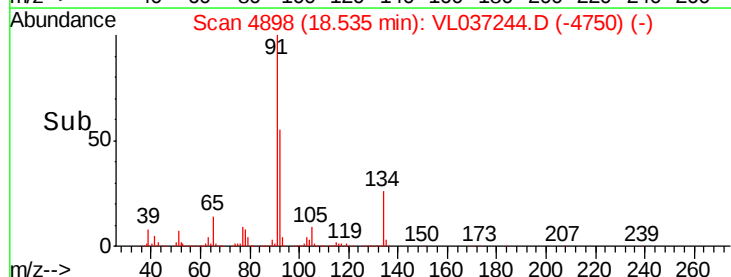
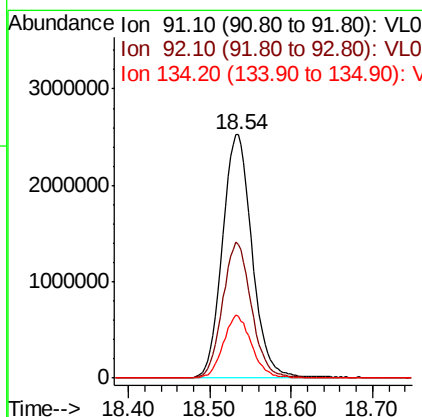
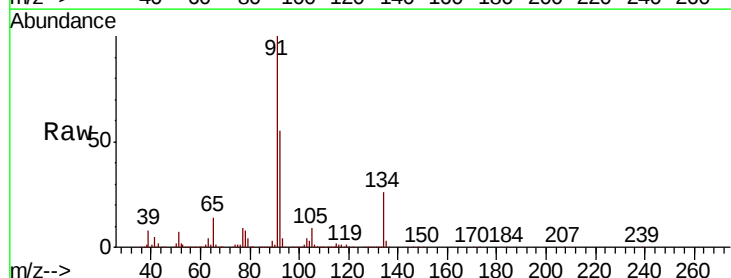
Manual Integrations
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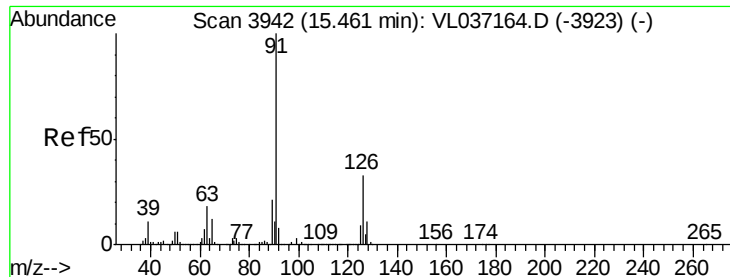
MMDadoda
 7/5/2021 3:37:58 PM



#70
 n-Butylbenzene
 Concen: 10.344 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	24.8	20.2	30.4





#71

2-Chlorotoluene

Concen: 10.072 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4771748

Ion Ratio Lower Upper

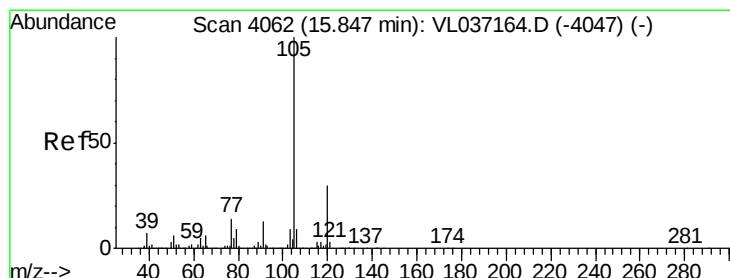
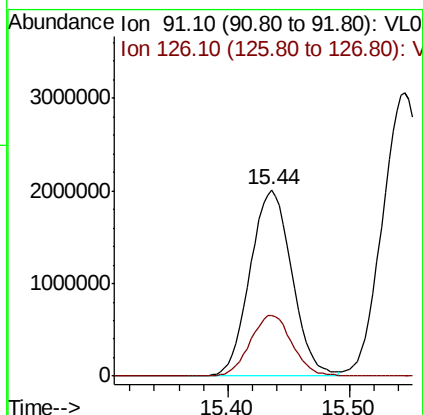
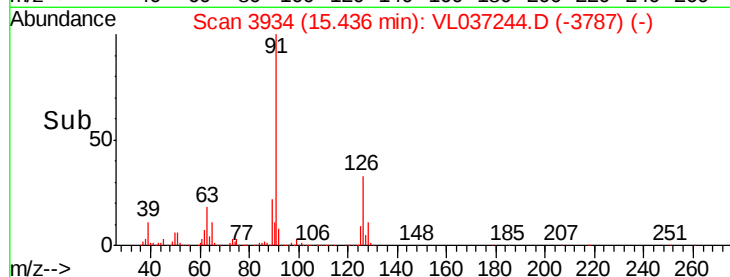
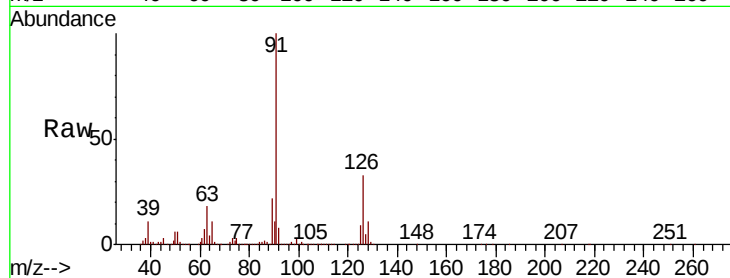
91 100

126 33.1 13.5 54.1

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#72

4-Ethyltoluene

Concen: 10.499 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion:105 Resp: 5684089

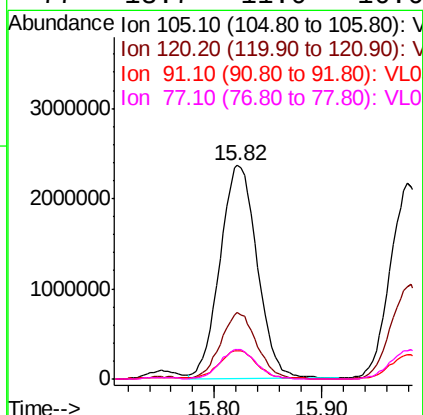
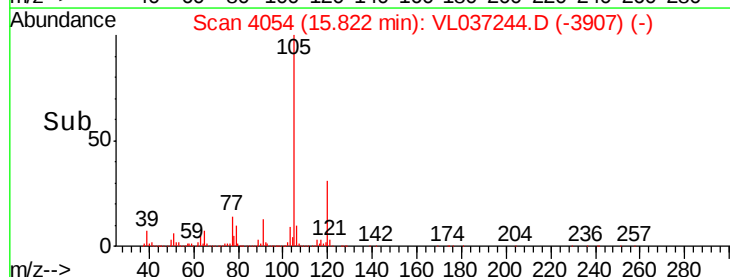
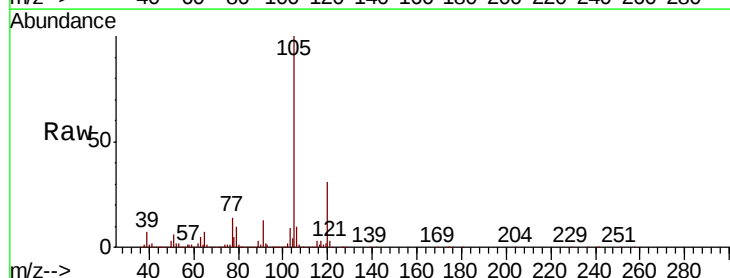
Ion Ratio Lower Upper

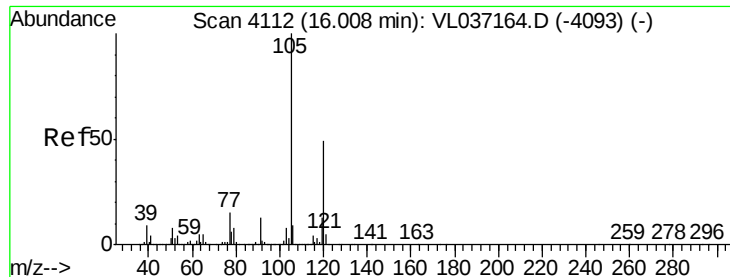
105 100

120 29.9 24.7 37.1

91 12.9 10.2 15.4

77 13.7 11.0 16.6





#73

1,3,5-Trimethylbenzene

Concen: 9.850 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 5154586

Ion Ratio Lower Upper

105 100

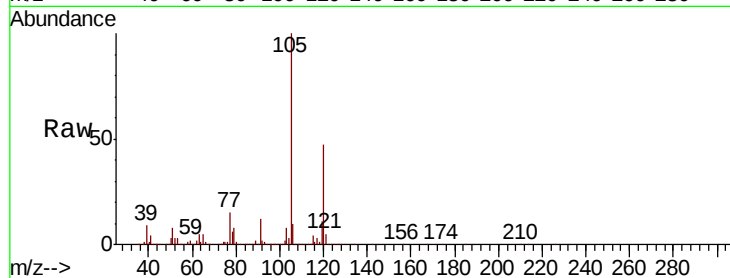
120 47.0 39.4 59.2

Manual Integrations

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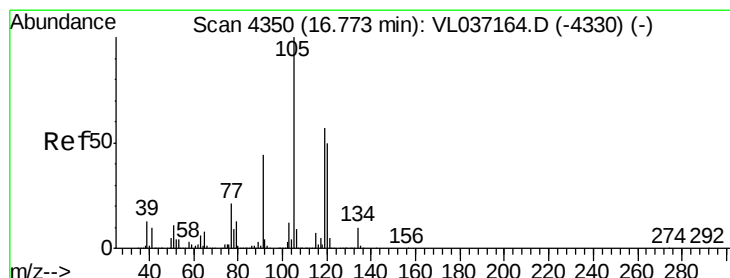
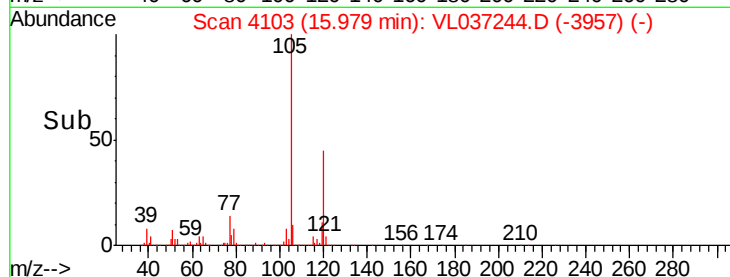
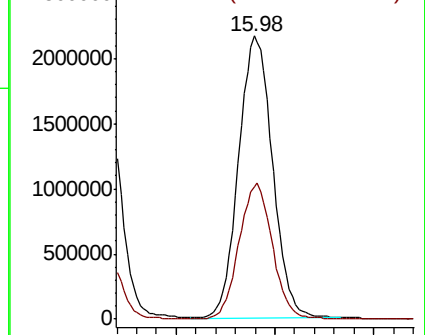
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.926 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion:105 Resp: 5351830

Ion Ratio Lower Upper

105 100

120 50.2 39.8 59.8

91 55.0 37.0 55.4

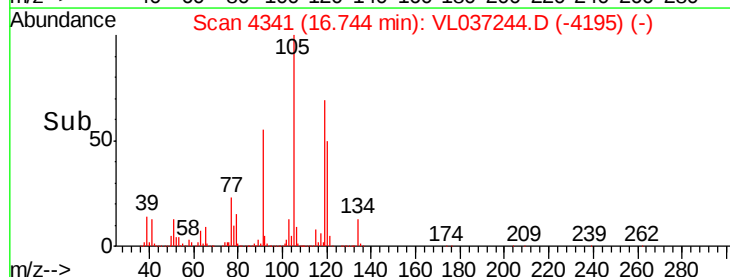
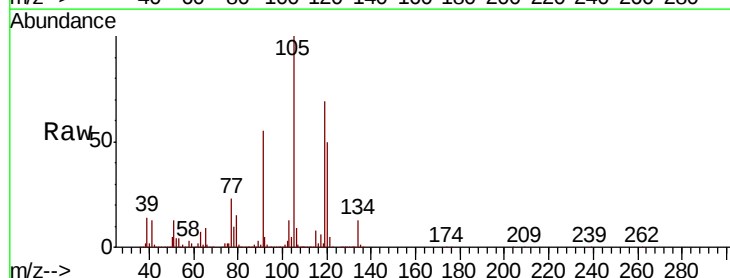
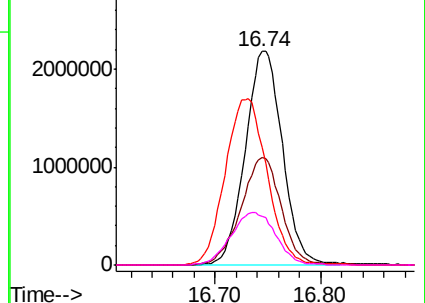
77 22.9 17.0 25.4

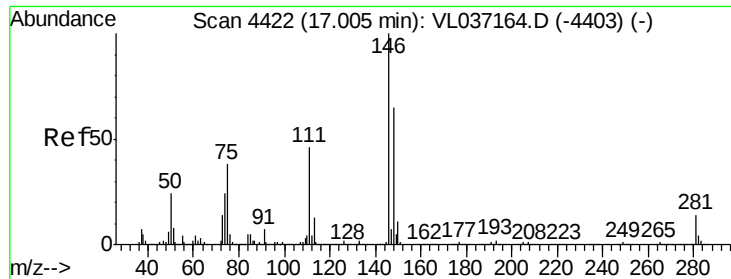
Abundance Ion 105.10 (104.80 to 105.80): V

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





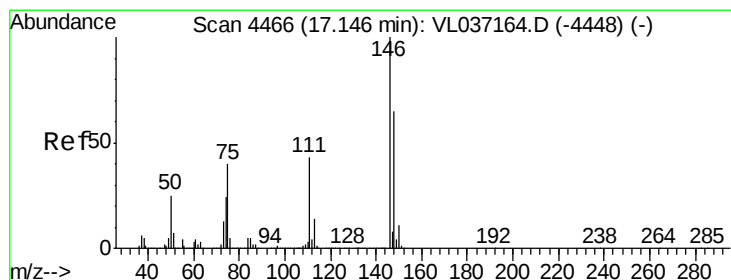
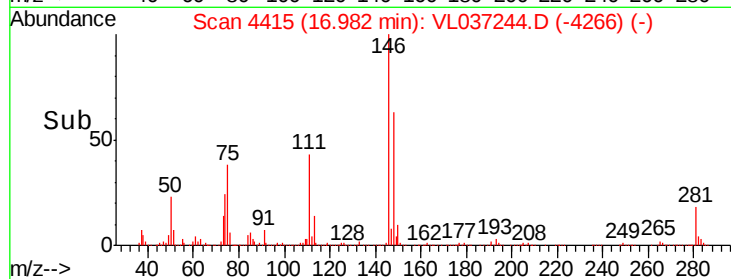
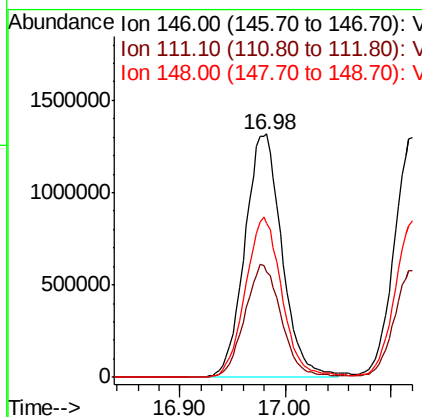
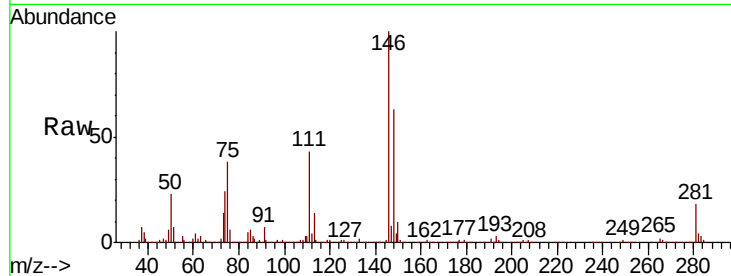
#75
 1,3-Dichlorobenzene
 Concen: 9.824 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 3220798
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.2 66.6
 148 64.9 32.4 97.2

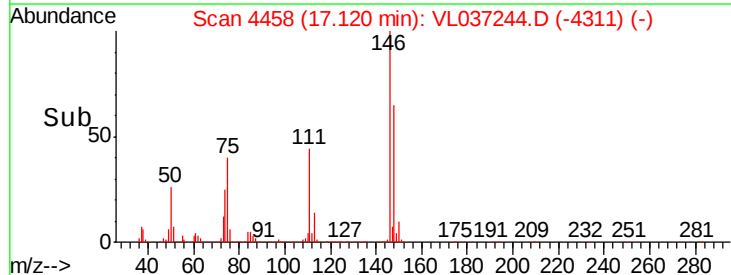
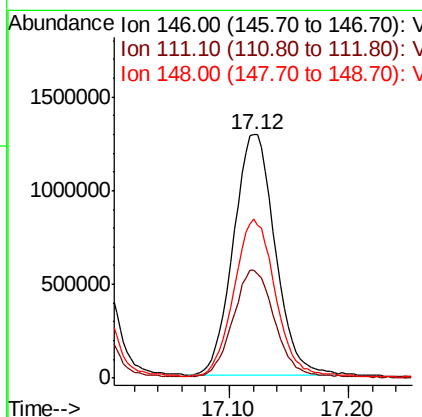
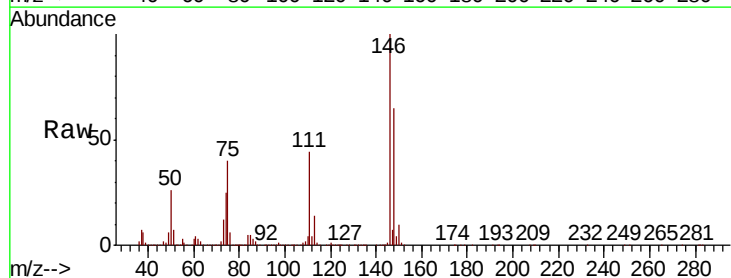
Manual Integrations
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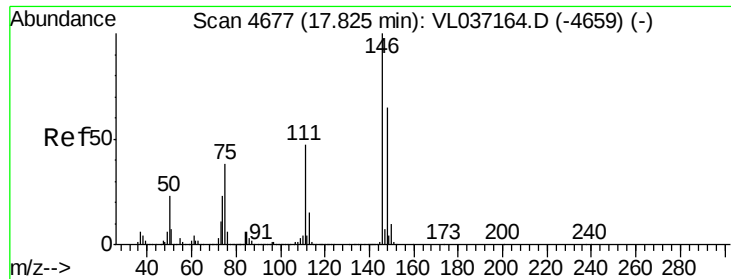
MMDadoda
 7/5/2021 3:37:58 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.554 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. -0.03 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion:146 Resp: 3128611
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.7 68.0
 148 66.7 33.7 101.1





#77

1,2-Dichlorobenzene

Concen: 9.765 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 3096890

Ion Ratio Lower Upper

146 100

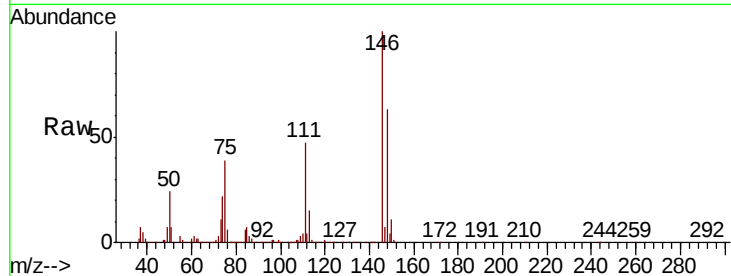
111 47.1 23.3 69.8

148 65.0 32.4 97.0

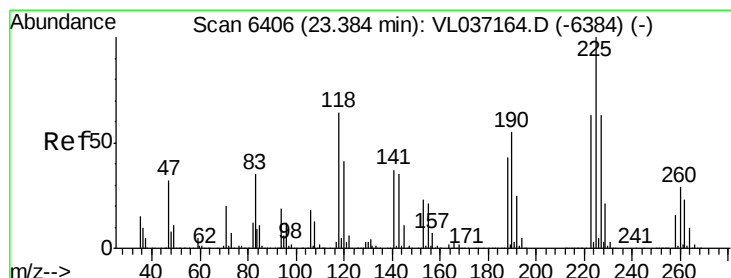
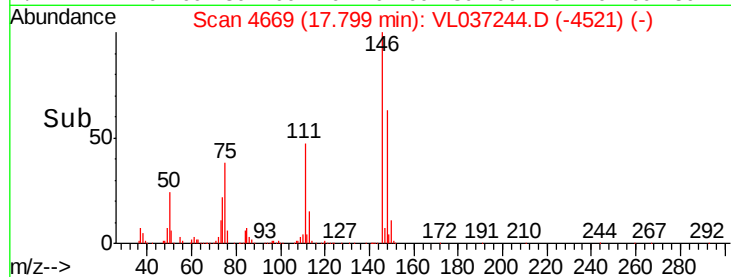
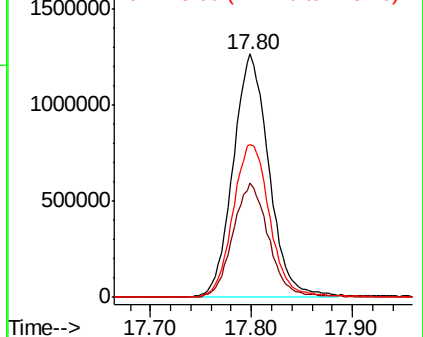
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.487 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

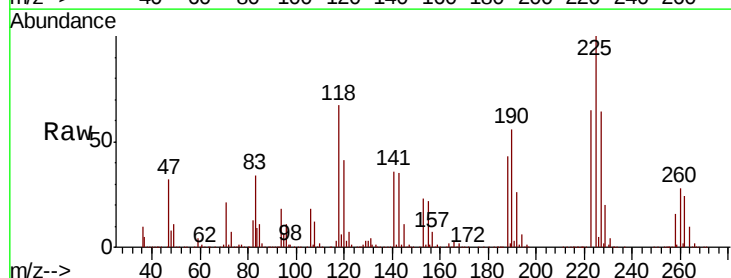
Tgt Ion:225 Resp: 2041594

Ion Ratio Lower Upper

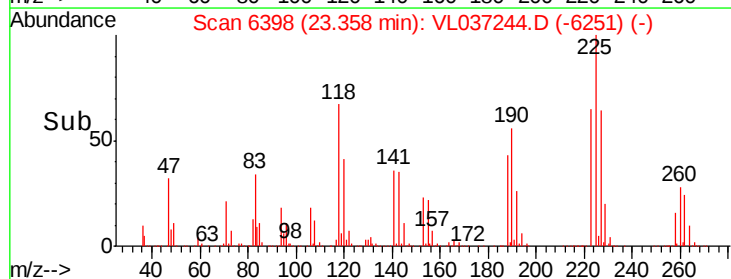
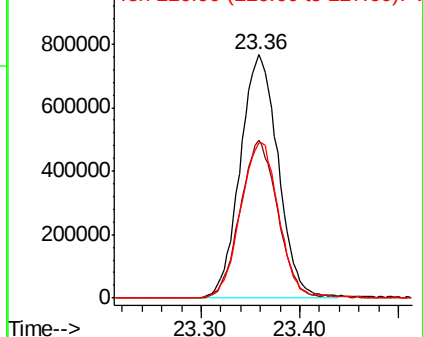
225 100

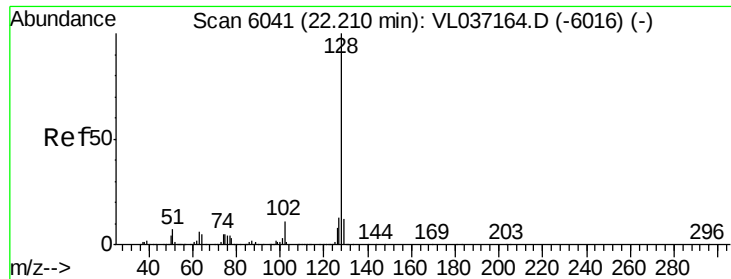
223 64.6 51.8 77.8

227 64.5 51.4 77.0



Abundance Ion 224.90 (224.60 to 225.60): V
Ion 222.90 (222.60 to 223.60): V
Ion 226.90 (226.60 to 227.60): V





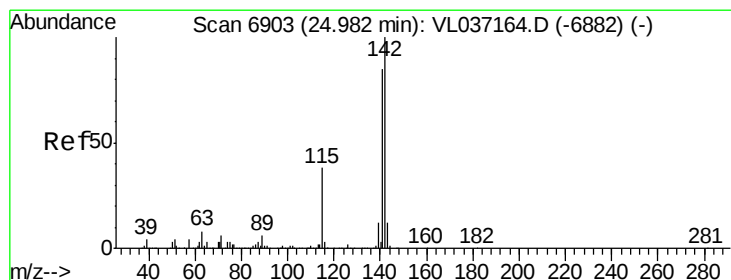
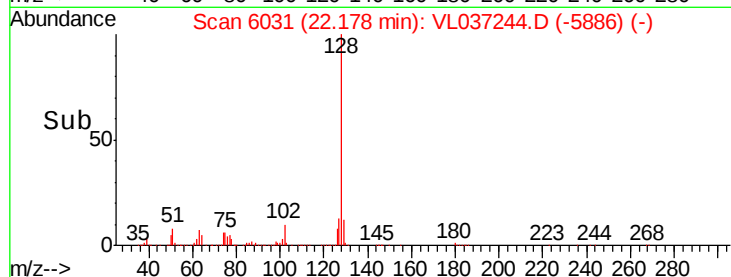
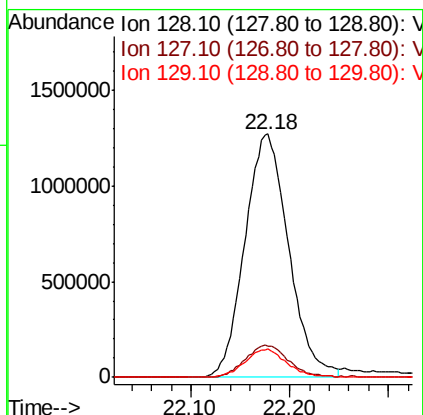
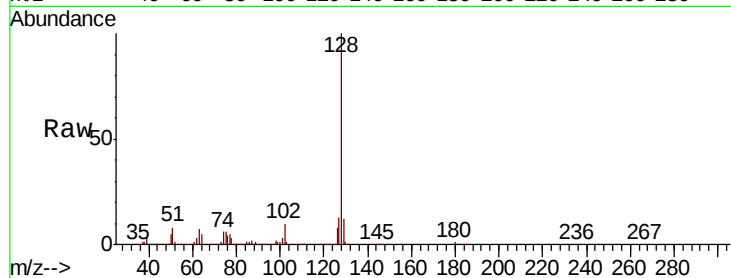
#79
Naphthalene
Concen: 8.678 ppbv
RT: 22.18 min Scan# 6031
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.7	16.1
129	11.8	9.3	13.9

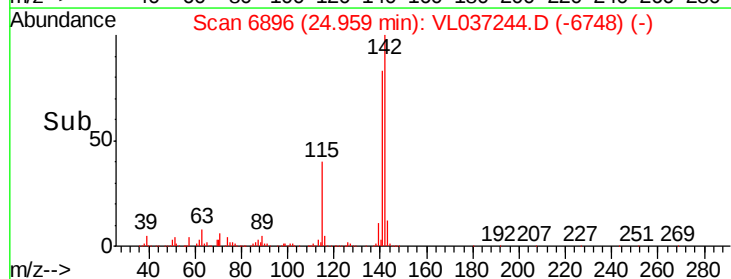
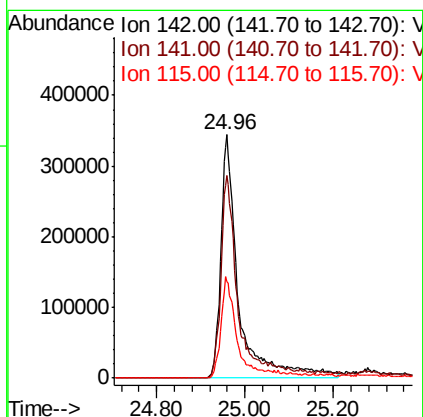
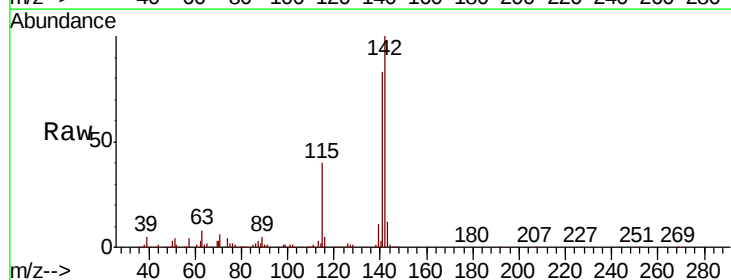
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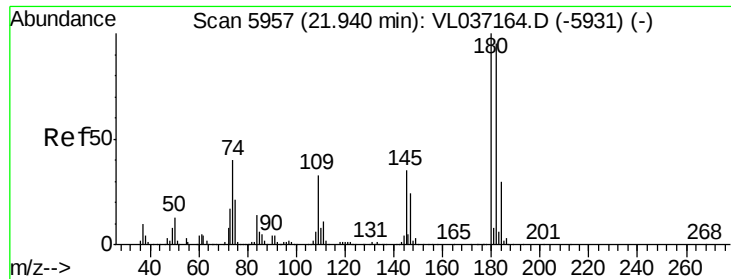
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#80
Naphthalene, 2-methyl-
Concen: 8.217 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion	Ratio	Lower	Upper
142	100		
141	79.4	63.7	95.5
115	36.5	30.6	45.8





#81
 1,2,4-Trichlorobenzene
 Concen: 8.781 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. -0.04 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.6	79.3	118.9
184	31.5	24.7	37.1

Manual Integrations
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