

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037377.D
 Acq On : 11 Aug 2021 3:43
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

apatel
 8/12/2021 10:16:37 AM

Quant Time: Aug 11 08:52:11 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 2021
 QLast Update : Wed Aug 11 03:21:19 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1252204	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3881949	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3570625	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2632395	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	284251	1.332	ppbv	93
3) Chlorodifluoromethane	2.99	51	251349	1.040	ppbv	99
4) Chloromethane	3.14	50	96431	1.187	ppbv	93
5) Vinyl Chloride	3.26	62	86525	0.973	ppbv	96
6) Bromomethane	3.47	94	52312m	1.010	ppbv	
7) Chloroethane	3.56	64	31375m	0.983	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	215338	0.981	ppbv	98
9) Propene	3.01	41	85223	1.094	ppbv	96
10) Heptane	8.12	43	195332	1.031	ppbv	95
11) Trichlorofluoromethane	3.95	101	209166m	0.931	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.49	101	144517m	0.917	ppbv	
13) Ethanol	3.63	45	10425m	0.878	ppbv	
14) Bromoethene	3.74	108	63543m	0.948	ppbv	
15) Acetone	3.86	43	140717m	1.008	ppbv	
16) 1,3-Butadiene	3.33	39	88844m	1.071	ppbv	
17) tert-Butyl alcohol	4.32	59	112249m	0.897	ppbv	
18) 1,1-Dichloroethene	4.29	96	64045	0.912	ppbv	85
19) Isopropyl Alcohol	3.99	45	70312m	0.853	ppbv	
20) Methylene Chloride	4.34	84	76164	0.916	ppbv	89
21) Allyl Chloride	4.41	41	94018	0.899	ppbv	94
22) trans-1,2-Dichloroethene	4.88	96	62365m	0.899	ppbv	
23) Vinyl Acetate	5.07	43	196747	0.973	ppbv #	96
24) 1,1-Dichloroethane	5.01	63	160508	1.000	ppbv	100
25) Ethyl Acetate	5.68	43	314750	1.025	ppbv #	97
26) Hexane	5.69	57	168676	1.091	ppbv	95
27) Carbon Disulfide	4.55	76	128973	0.880	ppbv	95
28) Methyl tert-Butyl Ether	5.04	73	174065	0.957	ppbv	100
29) Chloroform	5.74	83	236481m	1.004	ppbv	
30) Cyclohexane	7.12	84	134705	1.046	ppbv #	73
31) cis-1,2-Dichloroethene	5.54	61	143408	1.012	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	216523	0.863	ppbv	98
34) 2-Butanone	5.26	43	163673m	1.097	ppbv	
35) Carbon Tetrachloride	7.01	117	216417	0.853	ppbv	99
36) Benzene	6.89	78	316945	1.012	ppbv	94
37) 1,2-Dichloroethane	6.30	62	162604m	0.915	ppbv	
38) Trichloroethene	7.83	130	134634m	0.911	ppbv	
39) 1,2-Dichloropropane	7.61	63	121179m	1.045	ppbv	
40) 1,4-Dioxane	7.86	88	33607m	1.054	ppbv	
41) Tetrahydrofuran	6.06	42	71814m	1.029	ppbv	
42) Bromodichloromethane	7.78	83	228038m	0.931	ppbv	
43) Methyl Methacrylate	8.01	69	111653m	1.036	ppbv	

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Instrument :
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 ClientSampleId :
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Manual Integrations
 APPROVED

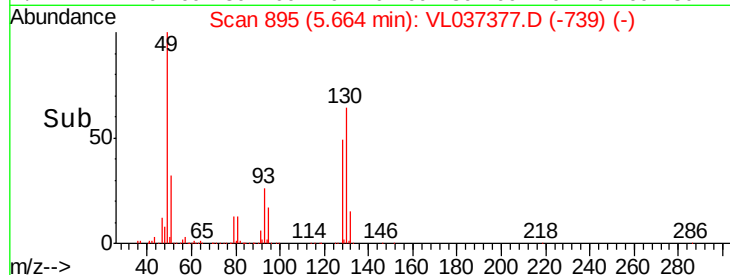
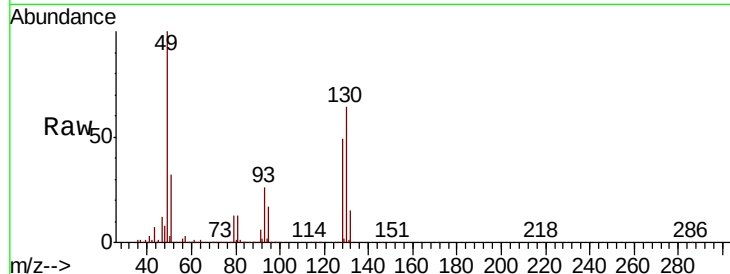
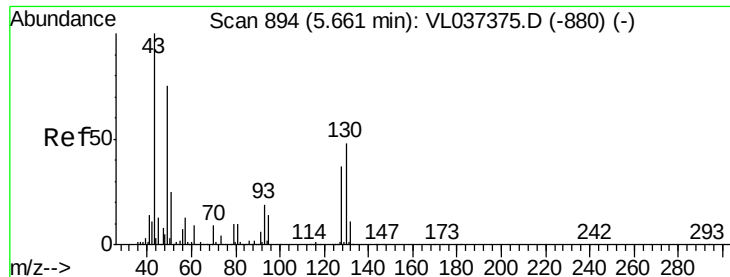
apatel
 8/12/2021 10:16:37 AM

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 11 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	557464	1.055	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	72099m	0.787	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	104073m	0.826	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	136853m	1.036	ppbv	
48) Dibromochloromethane	10.29	129	193623m	0.949	ppbv	
49) Bromoform	13.04	173	143506m	0.943	ppbv	
50) 4-Methyl-2-Pentanone	8.75	43	202405m	0.991	ppbv	
51) 2-Hexanone	10.16	43	83434m	0.852	ppbv	
52) Tetrachloroethene	11.22	164	125774	0.874	ppbv	91
53) Toluene	9.80	91	368151	0.986	ppbv	99
54) 1,2-Dibromoethane	10.61	107	179372	0.948	ppbv	87
56) 1,1,1,2-Tetrachloroethane	12.12	131	142271	0.934	ppbv #	1
57) Chlorobenzene	12.14	112	293885	1.023	ppbv #	89
58) Ethyl Benzene	12.71	91	502994	1.026	ppbv	99
59) m/p-Xylene	12.99	91	869143m	2.090	ppbv	
60) o-Xylene	13.68	91	412513	1.047	ppbv	99
61) Styrene	13.52	104	191741	0.951	ppbv	97
62) Isopropylbenzene	14.66	105	574977	1.023	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.67	83	277967	1.043	ppbv	96
64) n-propylbenzene	15.56	120	144695	1.037	ppbv	99
65) tert-Butylbenzene	16.73	119	520079m	1.045	ppbv	
66) Benzyl Chloride	16.97	91	17434m	0.795	ppbv	
67) sec-Butylbenzene	17.28	105	688833	1.028	ppbv	99
69) p-Isopropyltoluene	17.64	119	546225	0.973	ppbv	99
70) n-Butylbenzene	18.54	91	509677	0.974	ppbv	98
71) 2-Chlorotoluene	15.45	91	410807	1.043	ppbv	97
72) 4-Ethyltoluene	15.83	105	445138	0.989	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	432361m	0.995	ppbv	
74) 1,2,4-Trimethylbenzene	16.75	105	424126	0.949	ppbv #	87
75) 1,3-Dichlorobenzene	16.99	146	258414m	0.951	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	257815m	0.949	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	251029m	0.954	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	216128m	0.962	ppbv	
79) Naphthalene	22.19	128	174626m	0.491	ppbv	
80) Naphthalene, 2-methyl-	24.99	142	18487m	0.217	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	130790m	0.624	ppbv	

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



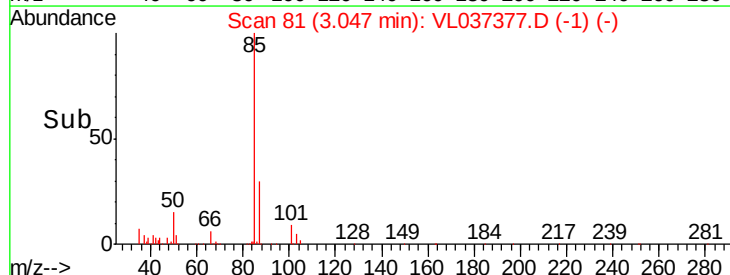
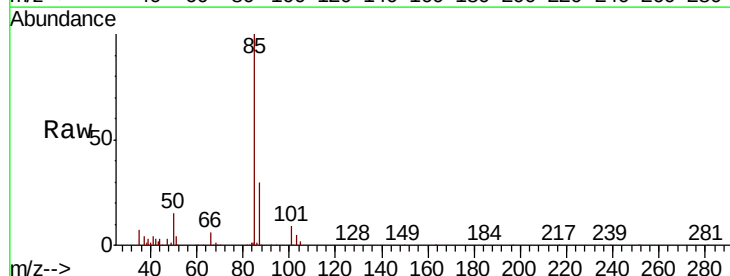
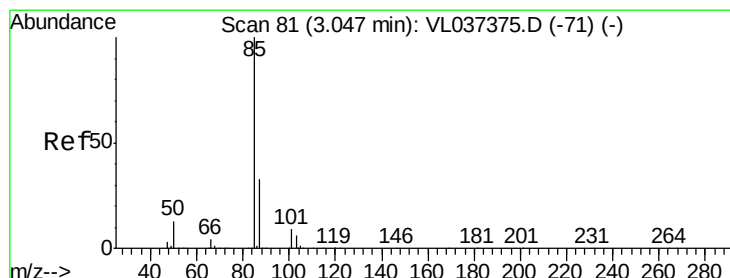
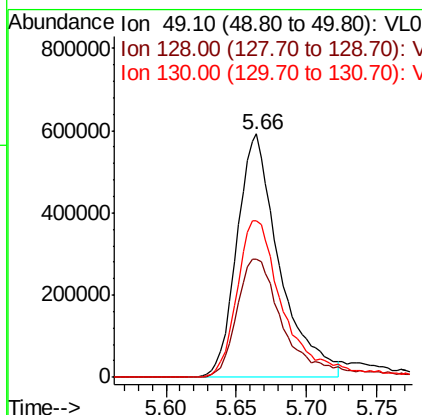
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Tot Ion	Ratio	Lower	Upper
49	100		
128	55.9	28.1	84.2
130	73.2	34.6	103.8

Instrument :
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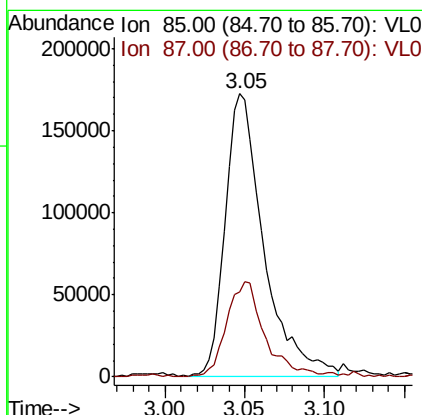
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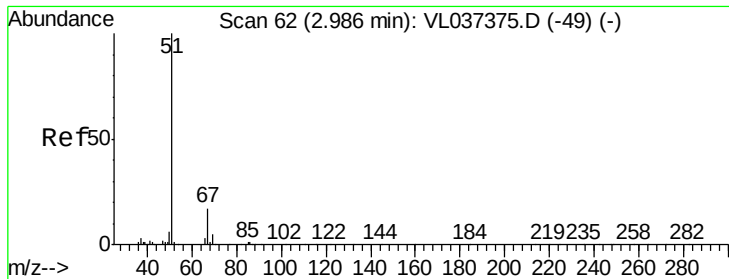
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#2
Dichlorodifluoromethane
Concen: 1.332 ppbv
RT: 3.05 min Scan# 81
Delta R.T. -0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Lower	Upper
85	100		
87	29.4	26.6	39.8





#3

Chlorodifluoromethane

Concen: 1.040 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 251349

Ion Ratio Lower Upper

51 100

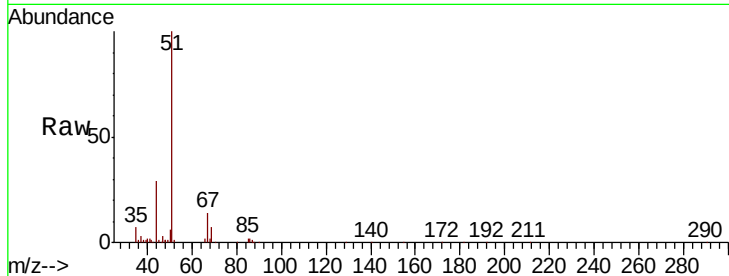
67 17.6 14.3 21.5

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

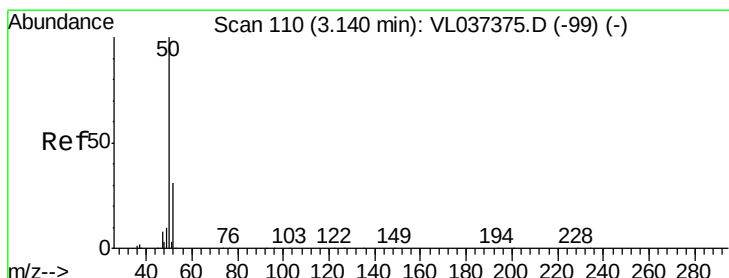
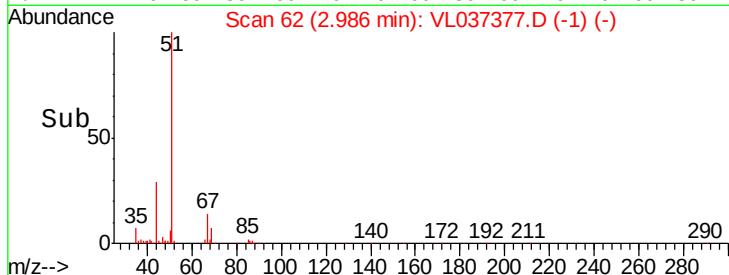
150000

100000

50000

0

Time-->



#4

Chloromethane

Concen: 1.187 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL037377.D

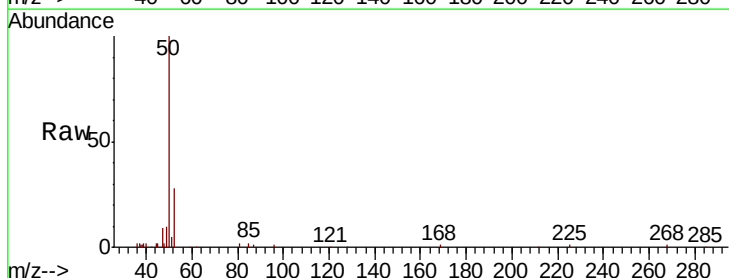
Acq: 11 Aug 2021 3:43

Tgt Ion: 50 Resp: 96431

Ion Ratio Lower Upper

50 100

52 27.1 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

60000

50000

40000

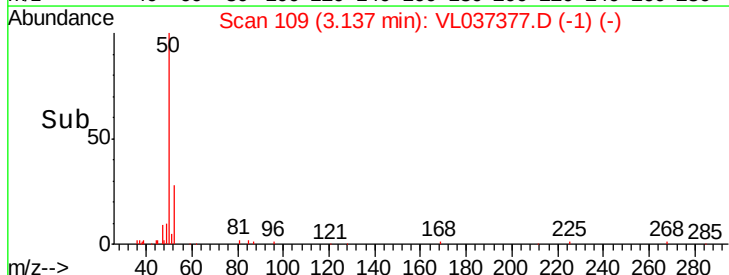
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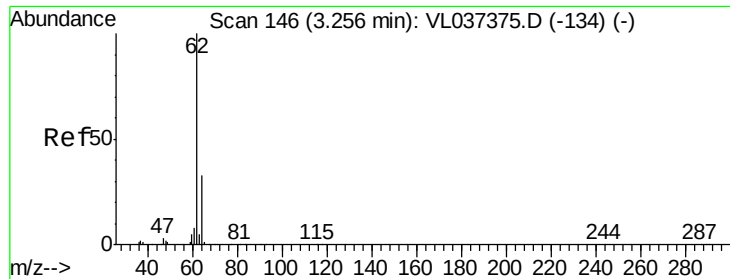
20000

10000

0

Time-->





#5

Vinyl Chloride

Concen: 0.973 ppbv

RT: 3.26 min Scan# 146

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 86525

Ion Ratio Lower Upper

62 100

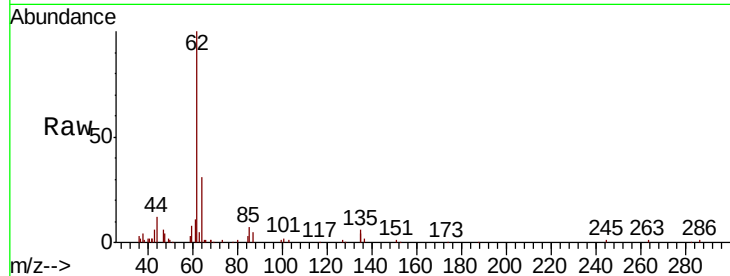
64 30.6 26.2 39.4

Manual Integrations

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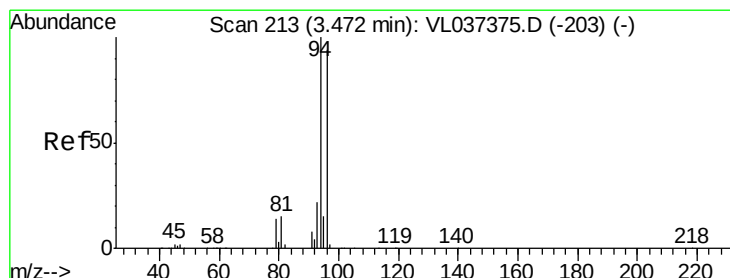
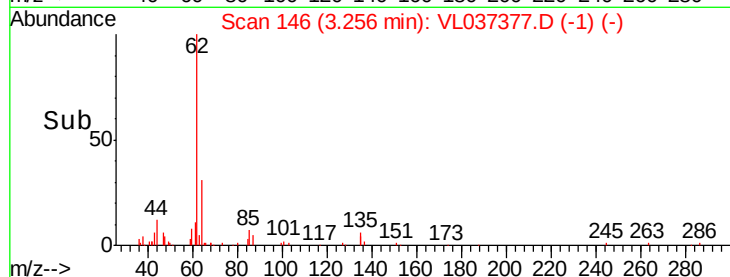
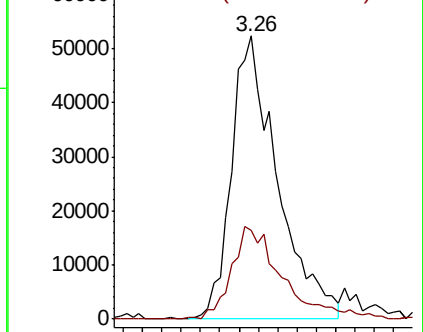
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 1.010 ppbv m

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL037377.D

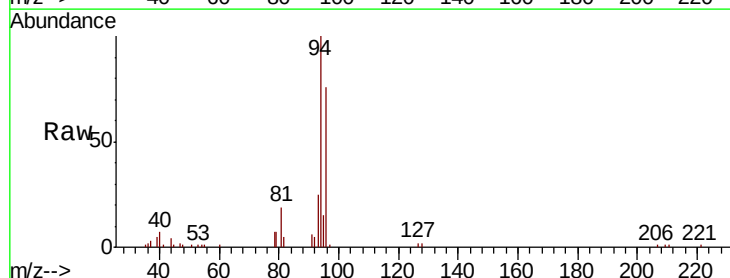
Acq: 11 Aug 2021 3:43

Tgt Ion: 94 Resp: 52312

Ion Ratio Lower Upper

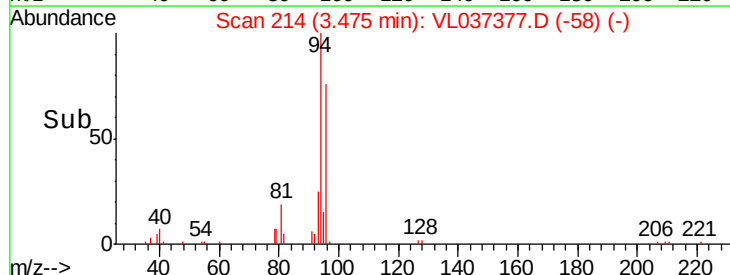
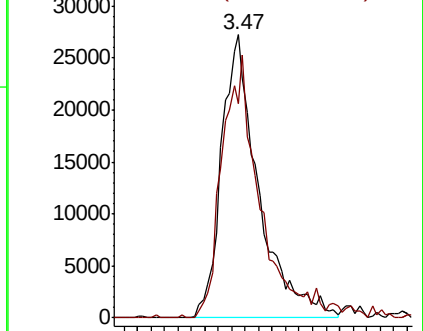
94 100

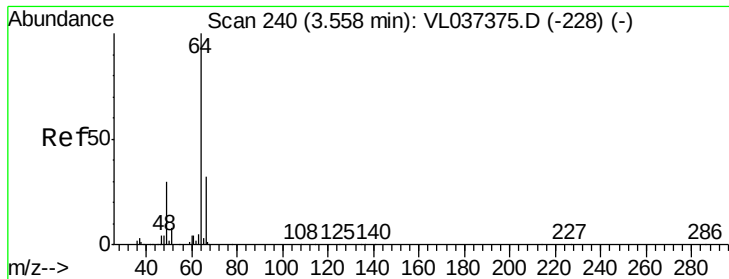
96 75.9 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.983 ppbv m

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 31375

Ion Ratio Lower Upper

64 100

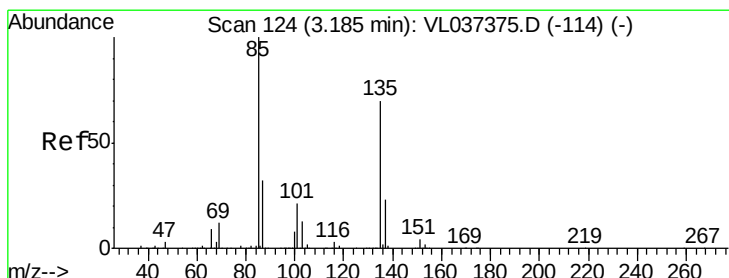
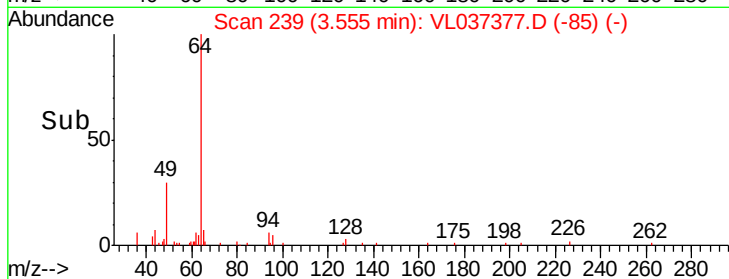
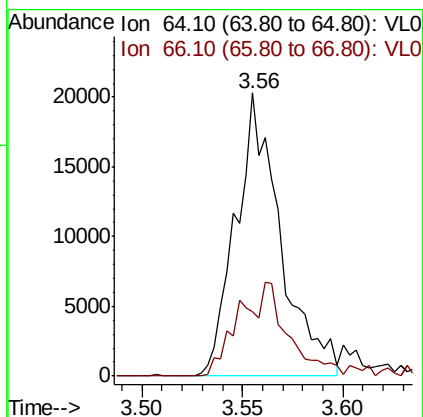
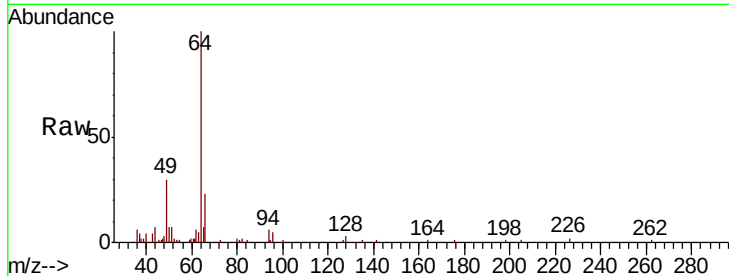
66 22.7 25.4 38.0#

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 0.981 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037377.D

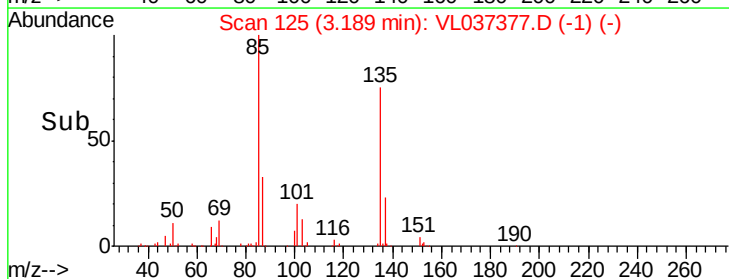
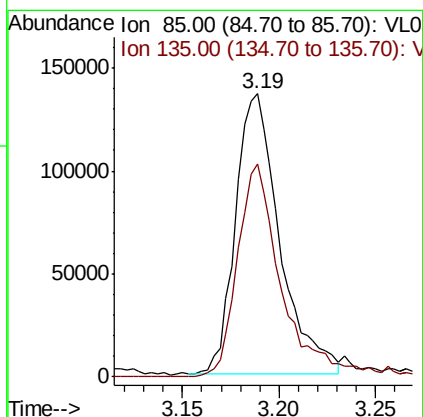
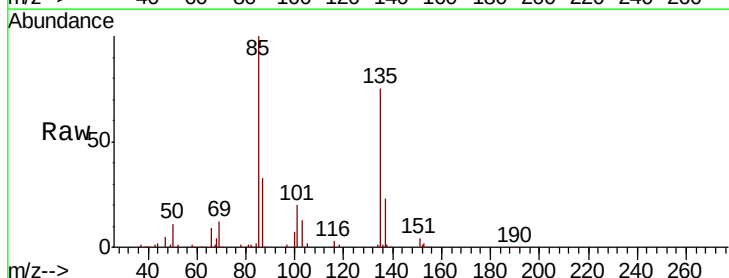
Acq: 11 Aug 2021 3:43

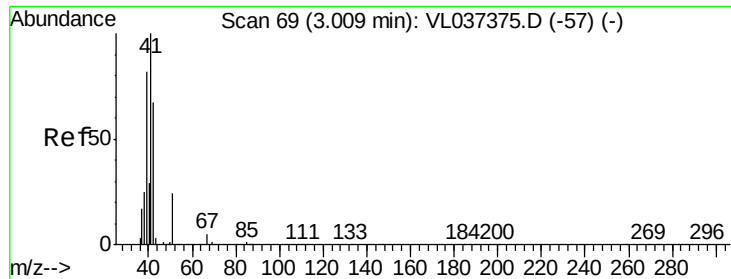
Tgt Ion: 85 Resp: 215338

Ion Ratio Lower Upper

85 100

135 76.5 59.8 89.6





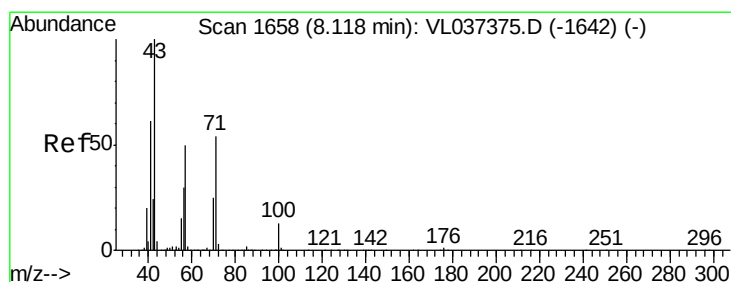
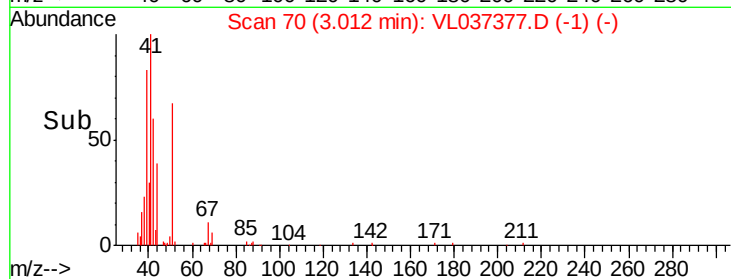
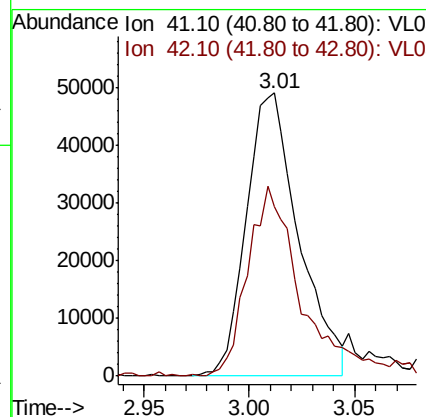
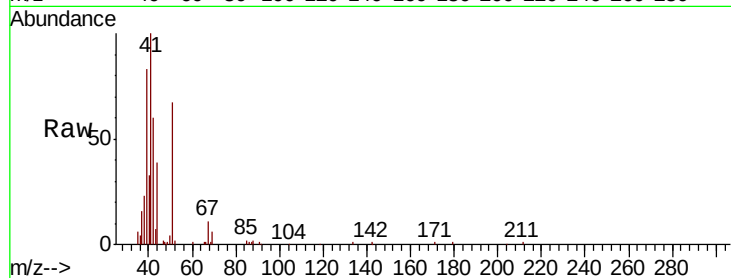
#9
 Propene
 Concen: 1.094 ppbv
 RT: 3.01 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 41 Resp: 85223
 Ion Ratio Lower Upper
 41 100
 42 72.5 55.5 83.3

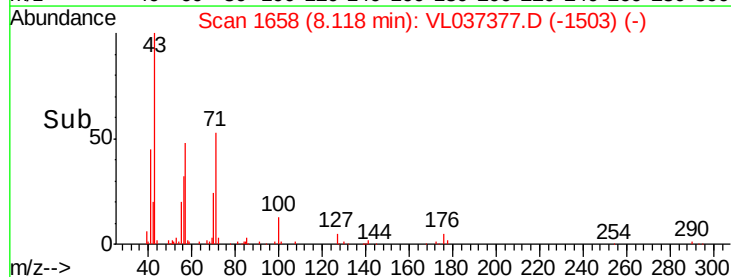
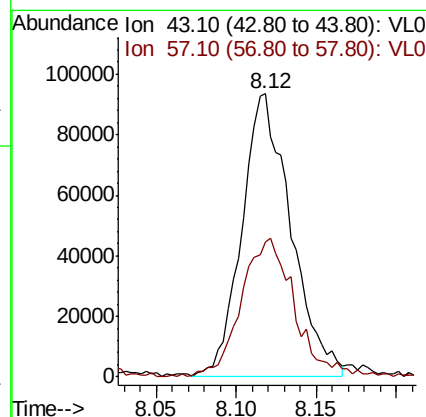
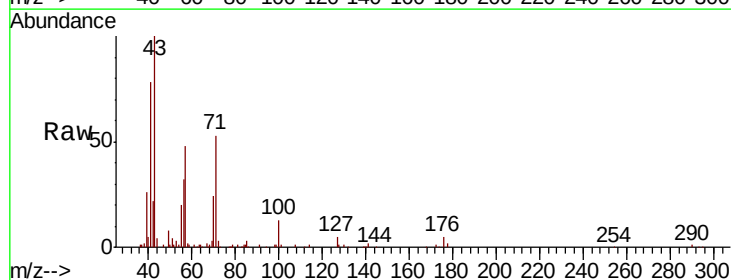
Manual Integrations
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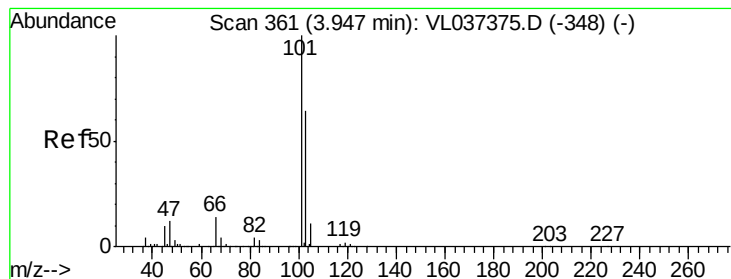
apatel
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#10
 Heptane
 Concen: 1.031 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion: 43 Resp: 195332
 Ion Ratio Lower Upper
 43 100
 57 54.8 41.0 61.4





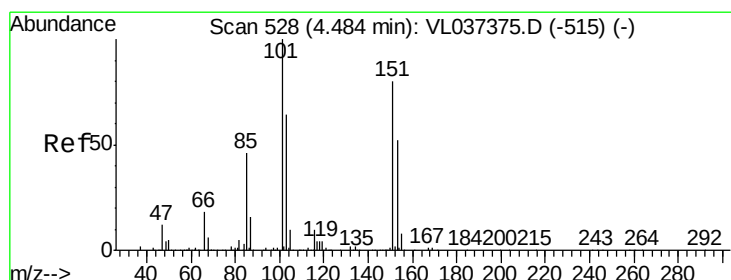
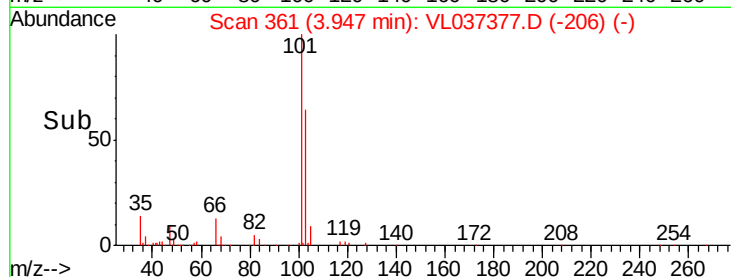
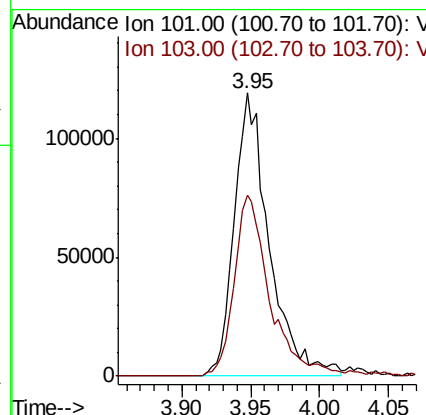
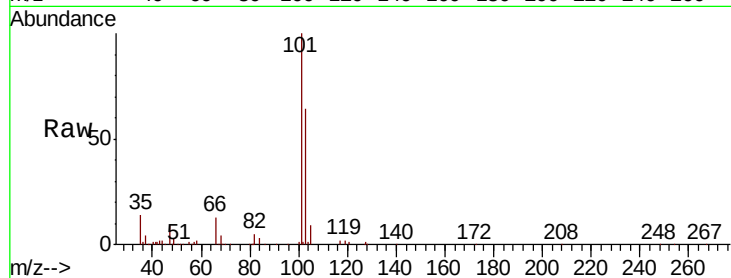
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 Trichlorofluoromethane
 Concen: 0.931 ppbv m
 RT: 3.95 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
101	100	209166		
103	63.8	51.2	76.8	

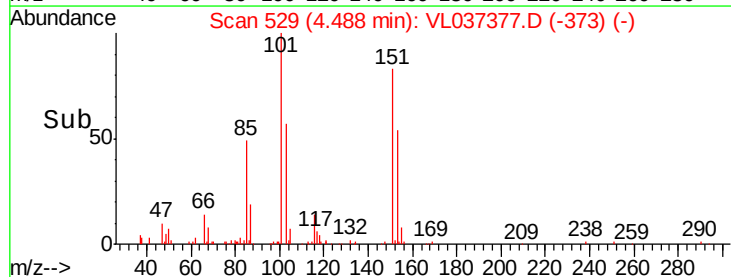
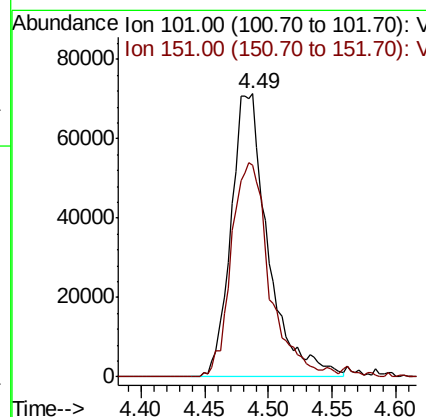
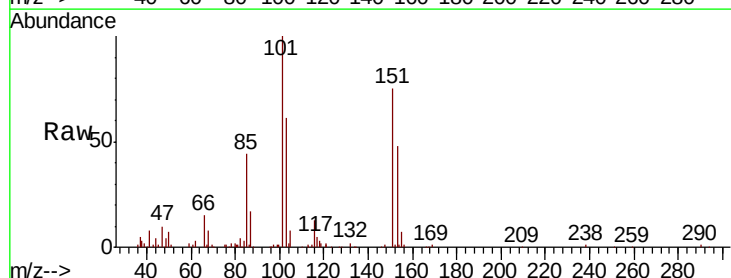
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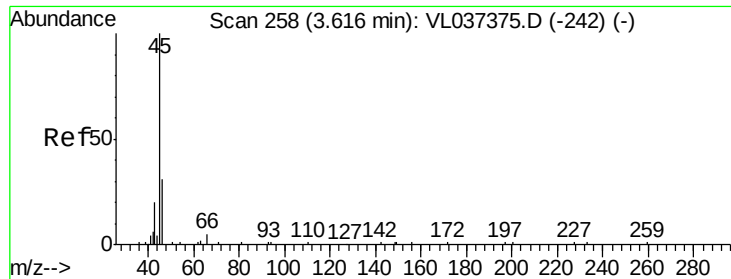
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.917 ppbv m
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	144517		
151	79.5	64.9	97.3	





#13

Ethanol

Concen: 0.878 ppbv m

RT: 3.63 min Scan# 263

Delta R.T. 0.02 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 10425

Ion Ratio Lower Upper

45 100

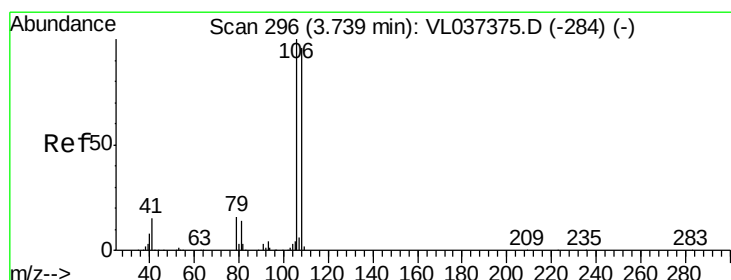
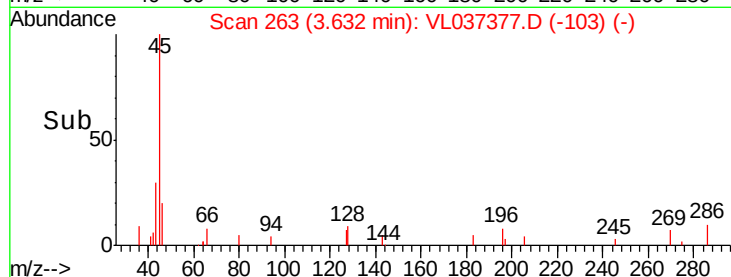
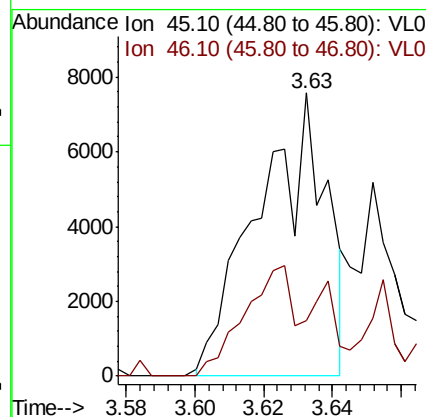
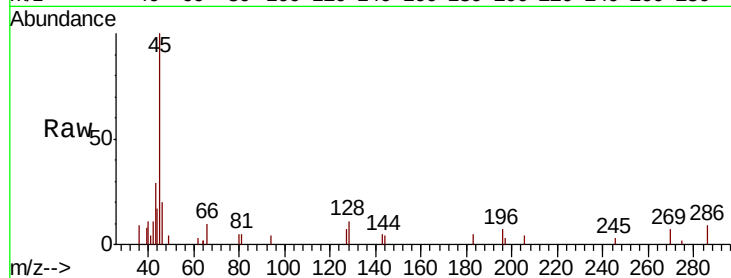
46 62.3 14.8 59.2#

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#14

Bromoethene

Concen: 0.948 ppbv m

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

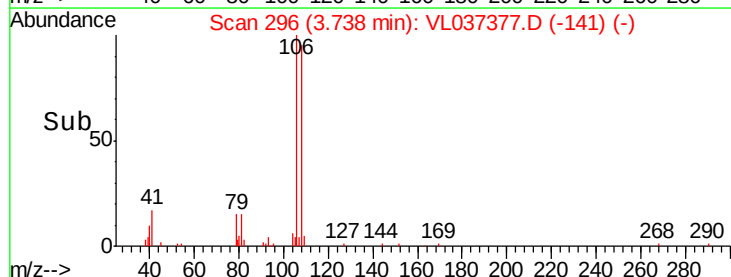
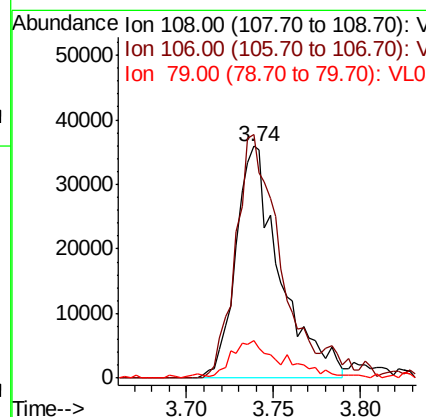
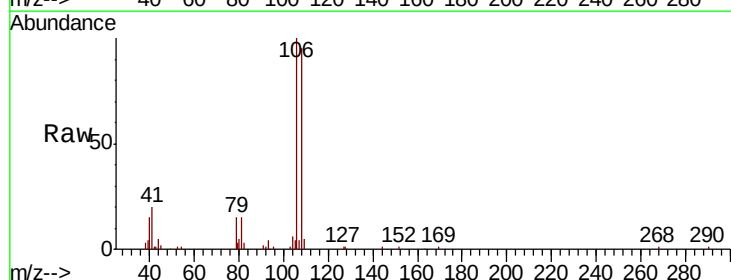
Tgt Ion: 108 Resp: 63543

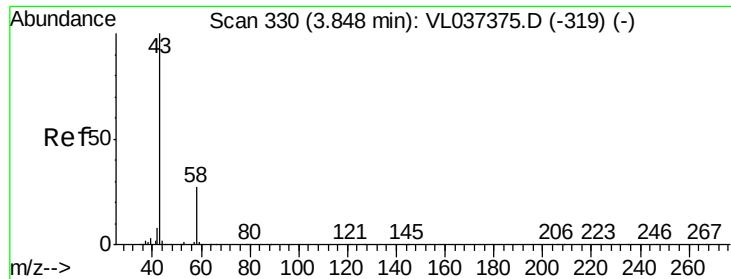
Ion Ratio Lower Upper

108 100

106 110.0 86.2 129.4

79 19.8 13.2 19.8#





#15

Acetone

Concen: 1.008 ppbv m

RT: 3.86 min Scan# 335

Delta R.T. 0.02 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 140717

Ion Ratio Lower Upper

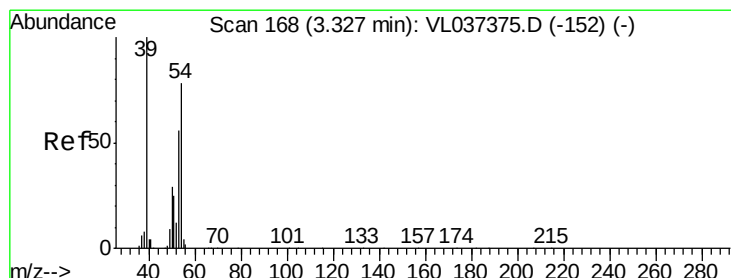
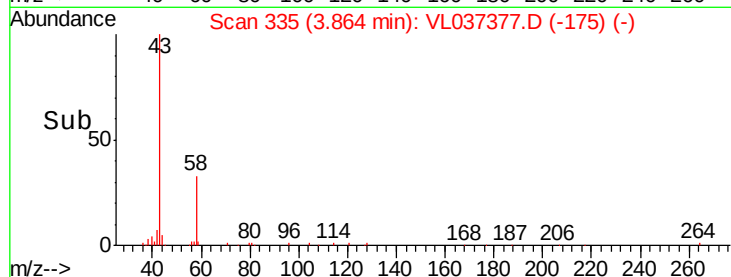
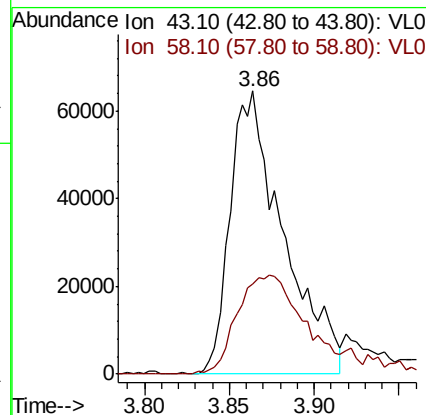
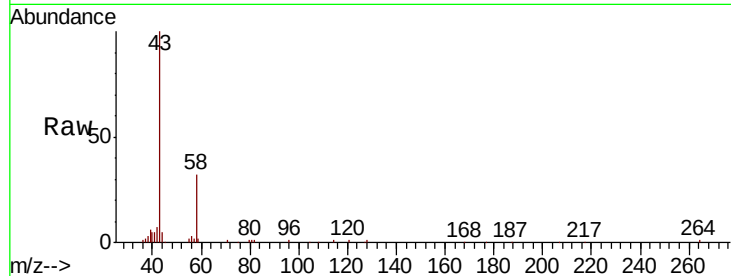
43 100

58 0.0 26.0 39.0#

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#16

1,3-Butadiene

Concen: 1.071 ppbv m

RT: 3.33 min Scan# 168

Delta R.T. -0.00 min

Lab File: VL037377.D

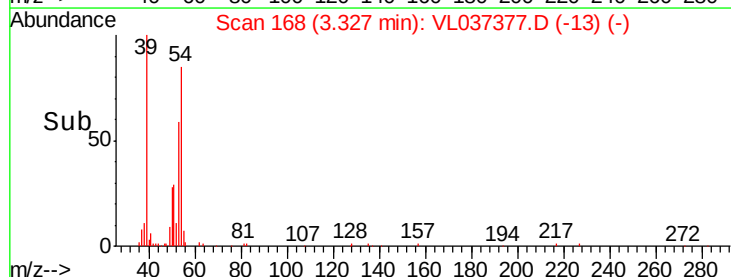
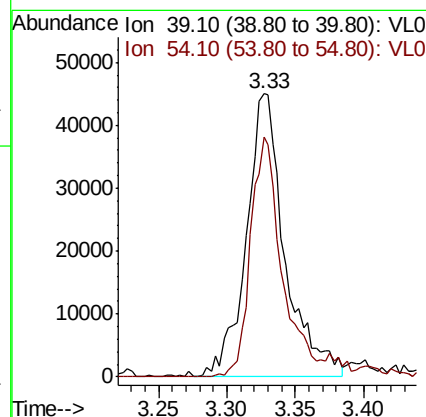
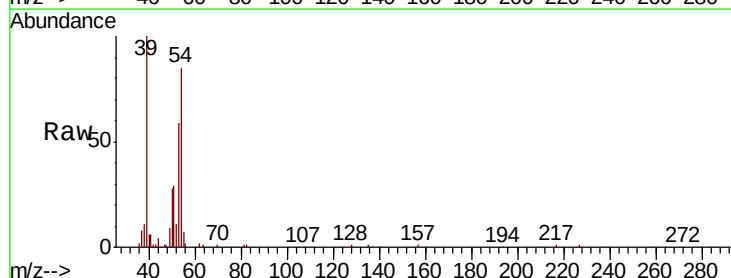
Acq: 11 Aug 2021 3:43

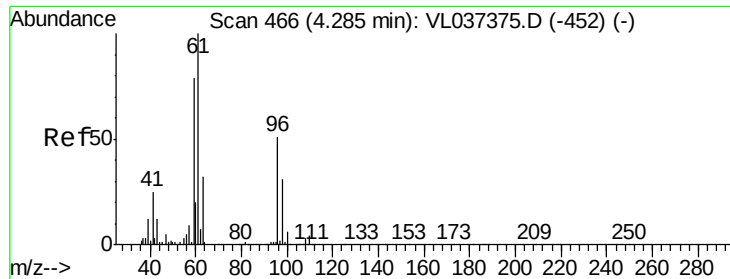
Tgt Ion: 39 Resp: 88844

Ion Ratio Lower Upper

39 100

54 75.4 61.0 91.4





#17

tert-Butyl alcohol

Concen: 0.897 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.03 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 59 Resp: 112249

Ion Ratio Lower Upper

59 100

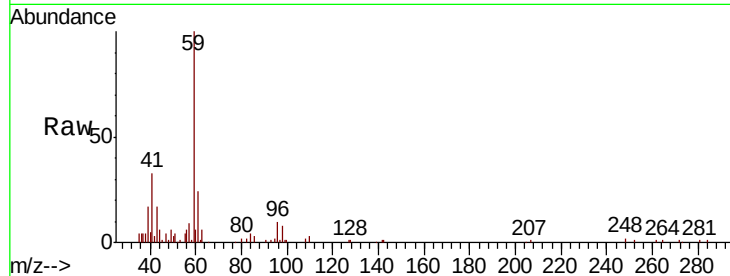
57 10.1 8.2 12.2

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.32

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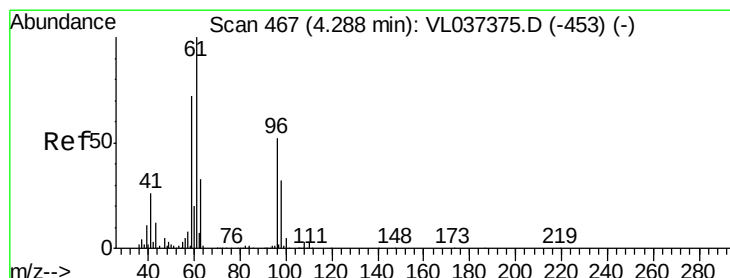
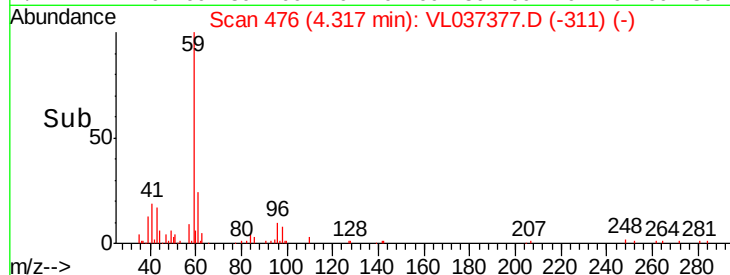
4.32

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4.32



#18

1,1-Dichloroethene

Concen: 0.912 ppbv

RT: 4.29 min Scan# 467

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

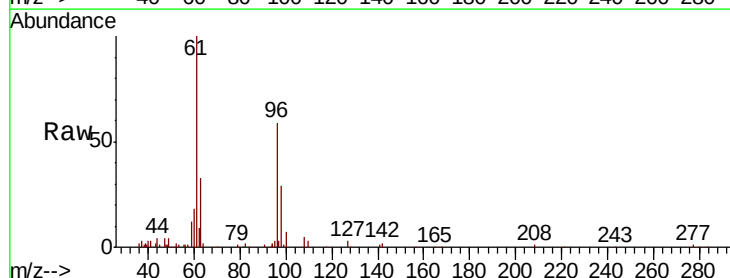
Tgt Ion: 96 Resp: 64045

Ion Ratio Lower Upper

96 100

61 169.9 153.2 229.8

98 49.8 49.5 74.3



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

4.29

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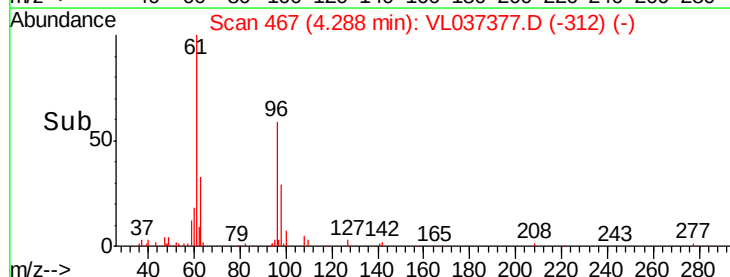
4.29

4.29

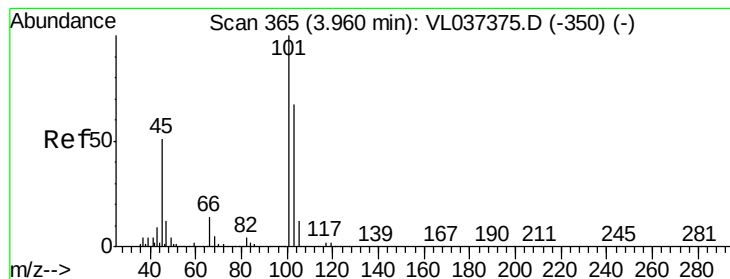
4.29

4.29

4.29



Time-->



#19

Isopropyl Alcohol

Concen: 0.853 ppbv m

RT: 3.99 min Scan# 374

Delta R.T. 0.03 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 70312
Ion Ratio Lower Upper

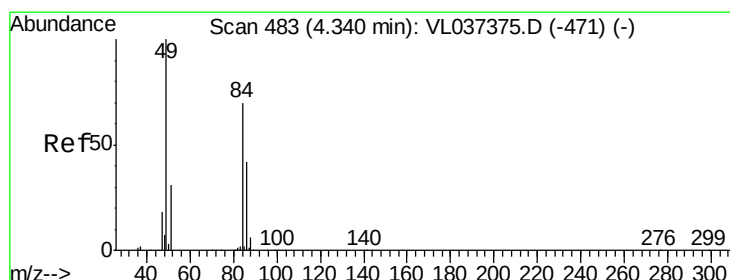
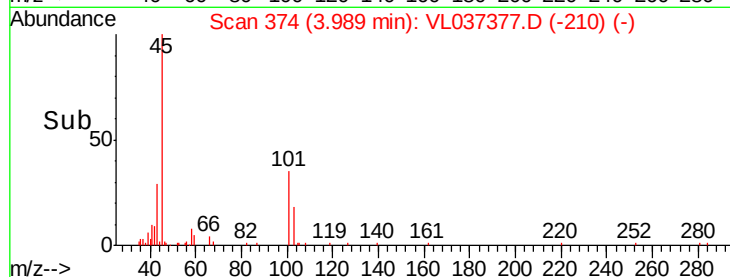
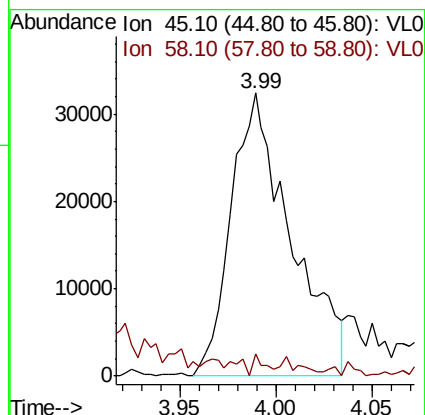
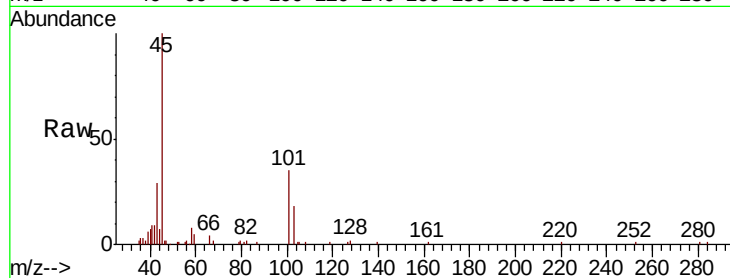
45 100

58 7.8 38.7 58.1#

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#20

Methylene Chloride

Concen: 0.916 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

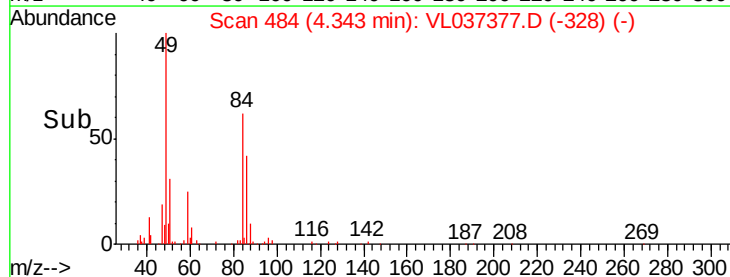
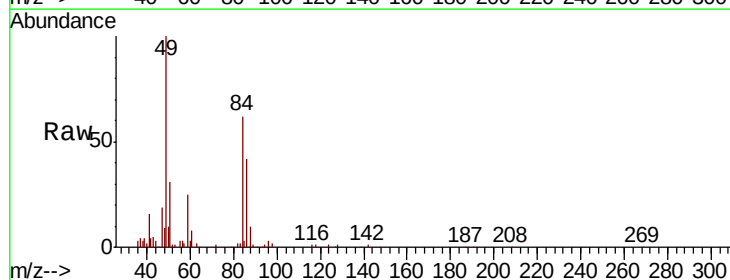
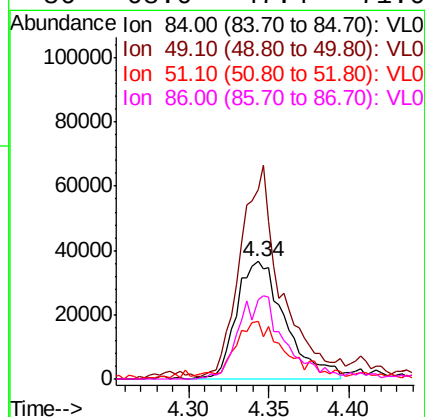
Tgt Ion: 84 Resp: 76164
Ion Ratio Lower Upper

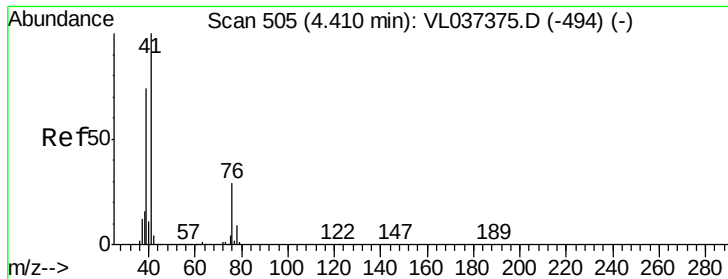
84 100

49 157.8 113.8 170.6

51 46.7 34.7 52.1

86 68.0 47.4 71.0





#21

Allvl Chloride

Concen: 0.899 ppbv

RT: 4.41 min Scan# 505

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

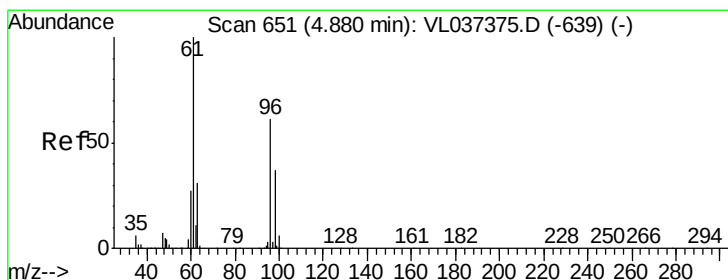
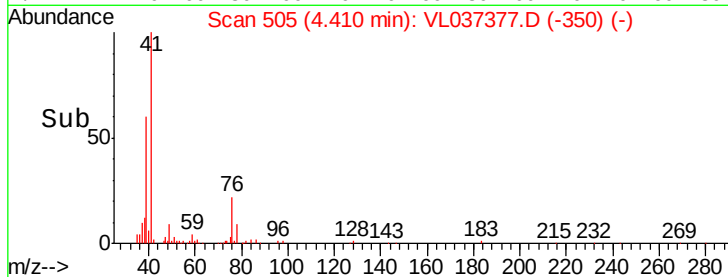
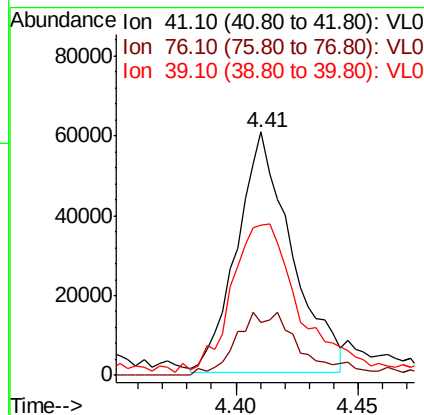
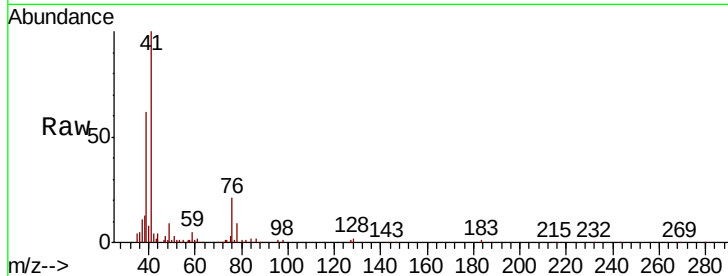
ClientSampleId :

VSTDIC001

Tot Ion:	41	Resp:	94018
Ion Ratio		Lower	Upper
41	100		
76	32.5	23.0	34.4
39	81.5	61.4	92.0

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#22

trans-1,2-Dichloroethene

Concen: 0.899 ppbv m

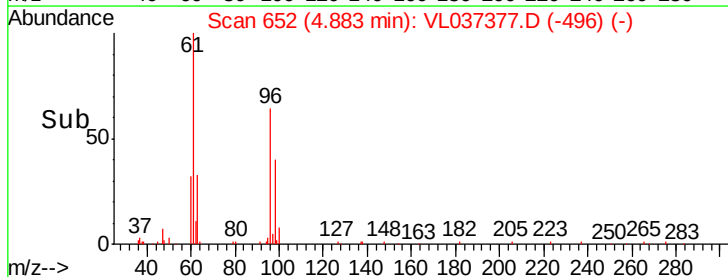
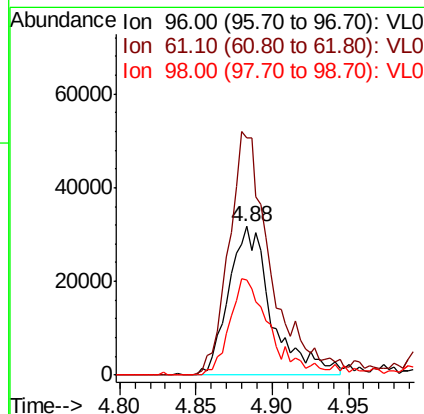
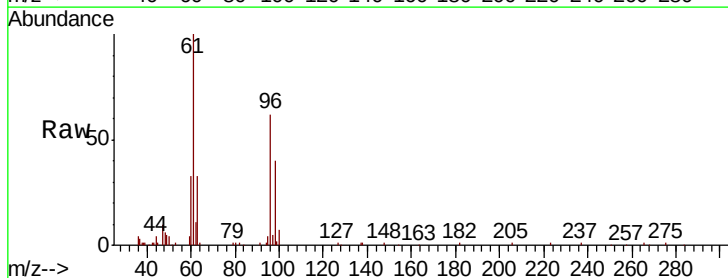
RT: 4.88 min Scan# 652

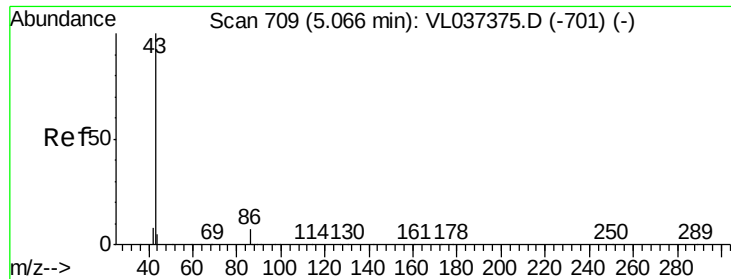
Delta R.T. 0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Tgt Ion:	96	Resp:	62365
Ion Ratio		Lower	Upper
96	100		
61	160.2	132.2	198.4
98	64.3	48.7	73.1





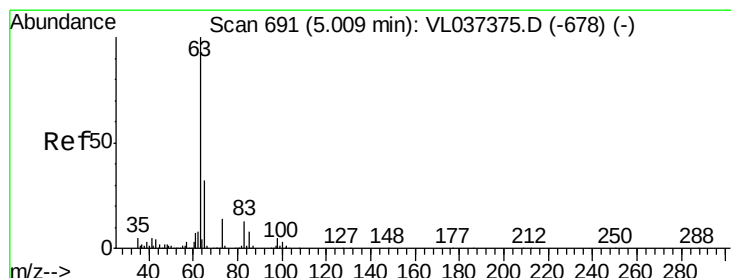
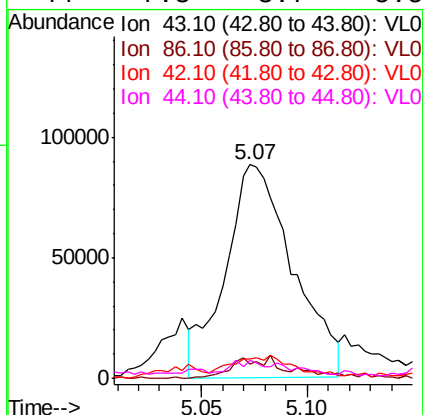
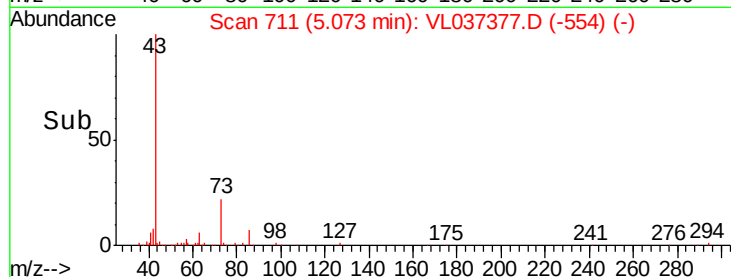
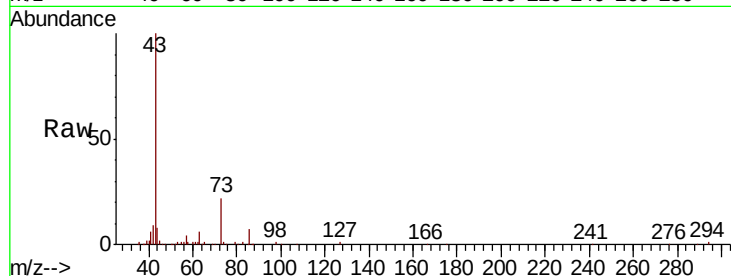
#23
 Vinyl Acetate
 Concen: 0.973 ppbv
 RT: 5.07 min Scan# 711
 Delta R.T. 0.01 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
86	7.6	4.8	7.2#
42	9.9	7.3	10.9
44	7.3	3.7	5.5#

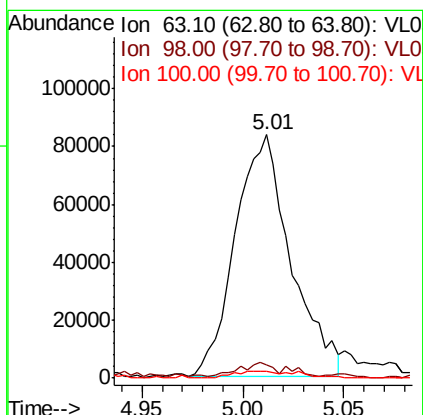
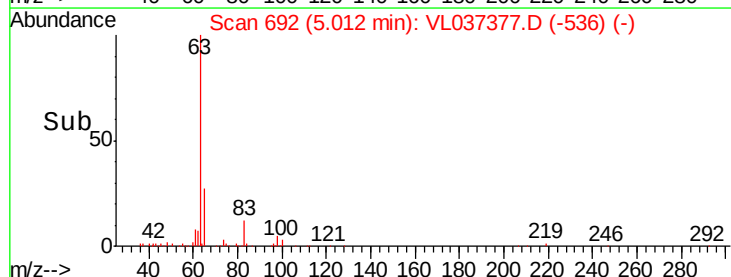
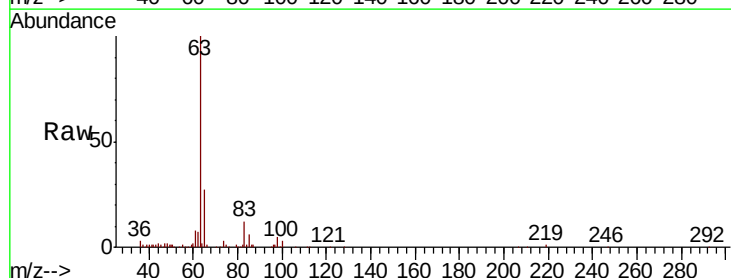
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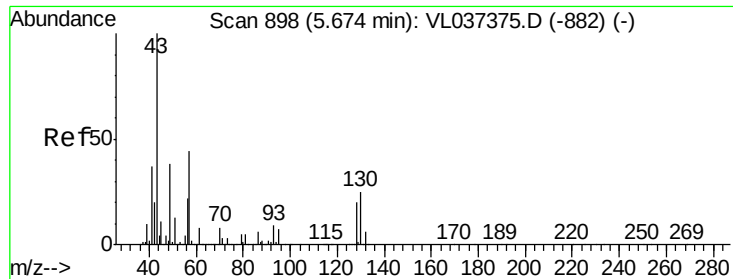
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#24
 1,1-Dichloroethane
 Concen: 1.000 ppbv
 RT: 5.01 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.5	7.5
100	2.6	1.4	4.2





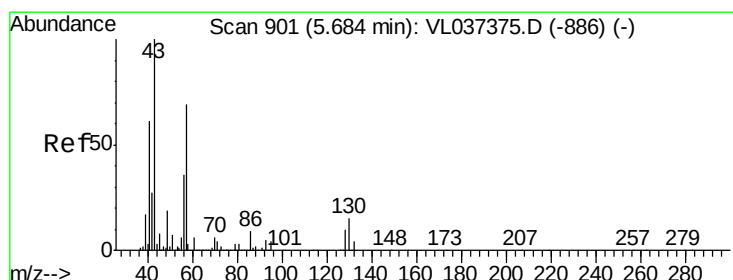
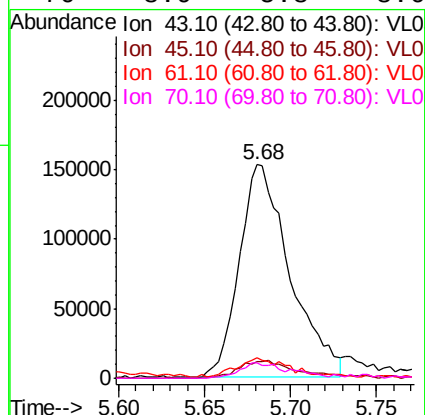
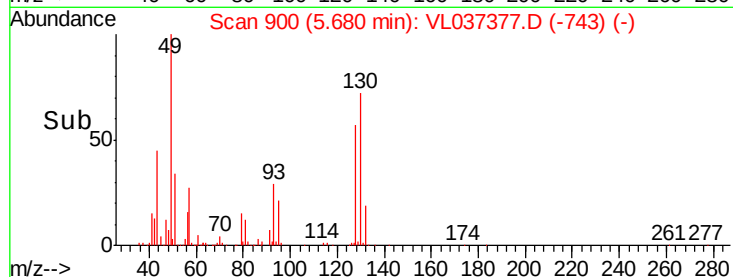
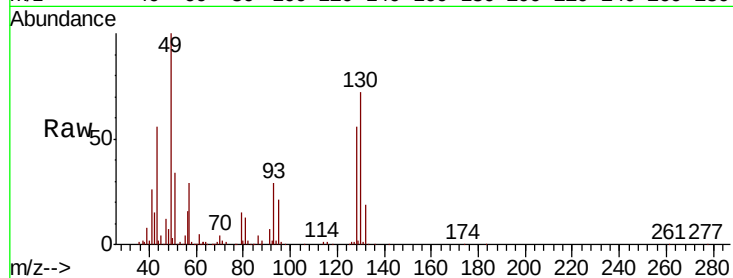
#25
Ethyl Acetate
Concen: 1.025 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.7	8.0	12.0		
61	10.9	7.7	11.5		
70	8.9	5.8	8.6		

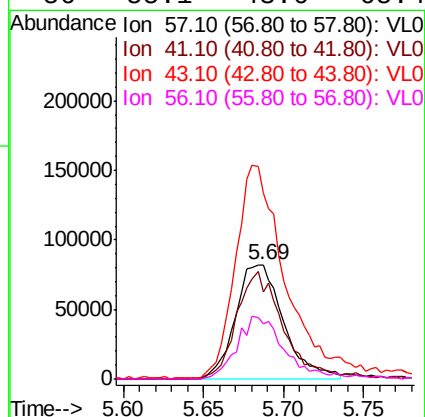
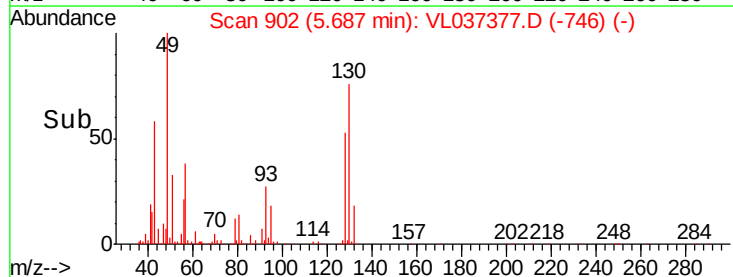
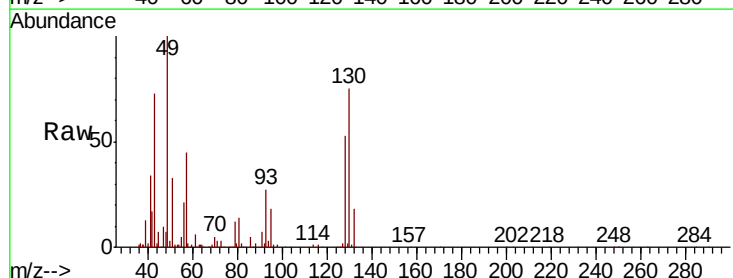
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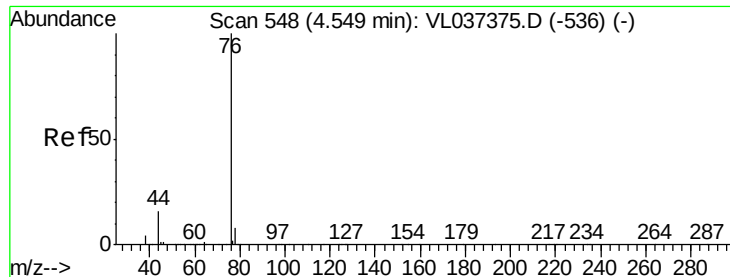
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#26
Hexane
Concen: 1.091 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	92.1	73.4	110.0		
43	205.6	174.4	261.6		
56	55.1	43.6	65.4		





#27

Carbon Disulfide

Concen: 0.880 ppbv

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

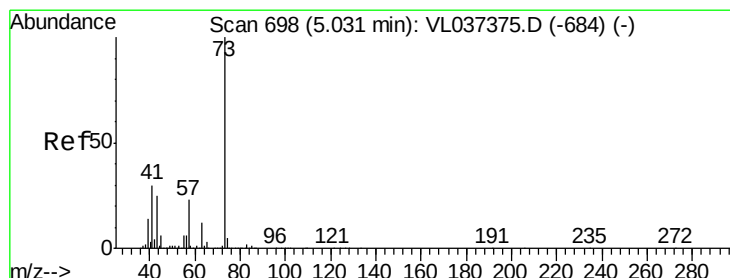
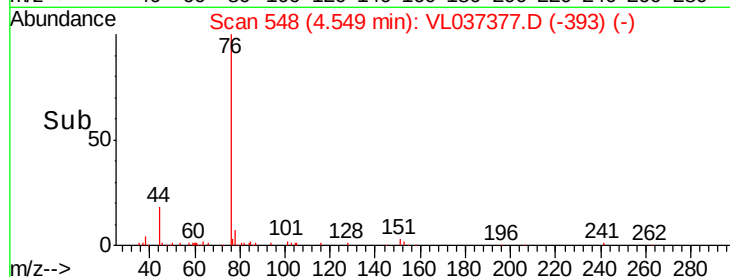
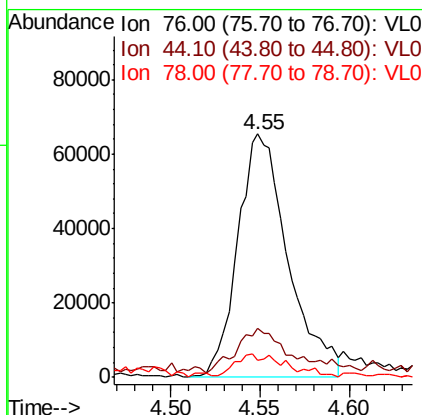
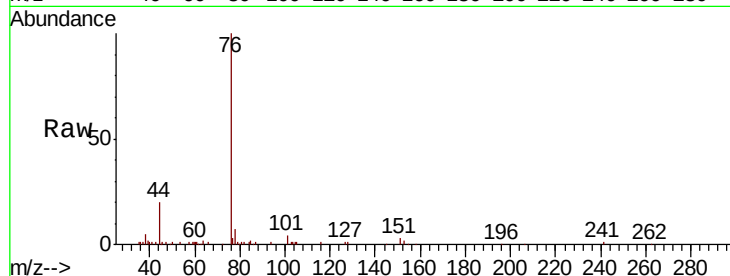
ClientSampleId :

VSTDIC001

Tot Ion:	76	Resp:	128973
Ion Ratio	Lower	Upper	
76	100		
44	19.7	13.7	20.5
78	10.9	7.7	11.5

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#28

Methyl tert-Butyl Ether

Concen: 0.957 ppbv

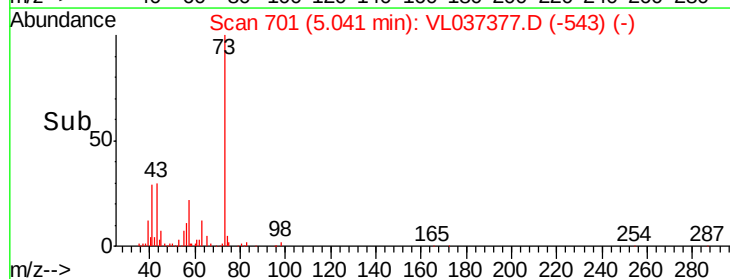
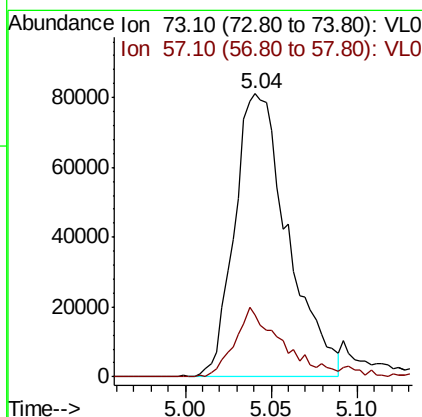
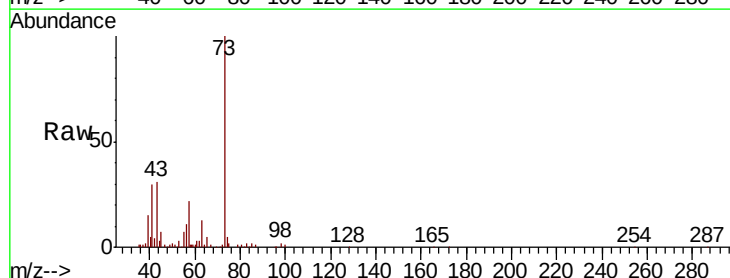
RT: 5.04 min Scan# 701

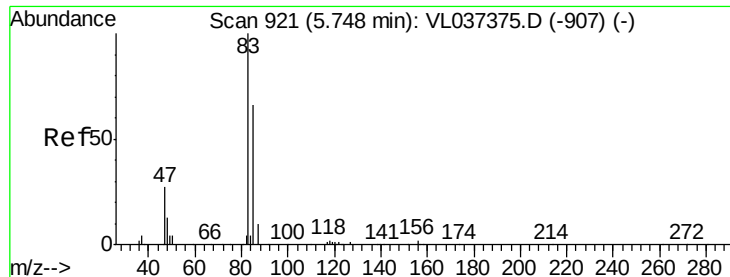
Delta R.T. 0.01 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Tgt Ion:	73	Resp:	174065
Ion Ratio	Lower	Upper	
73	100		
57	23.6	18.8	28.2





#29

Chloroform

Concen: 1.004 ppbv m

RT: 5.74 min Scan# 920

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Tot Ion: 83 Resp: 236481

Ion Ratio Lower Upper

83 100

85 65.7 52.8 79.2

Instrument :

MSVOA_L

ClientSampleId :

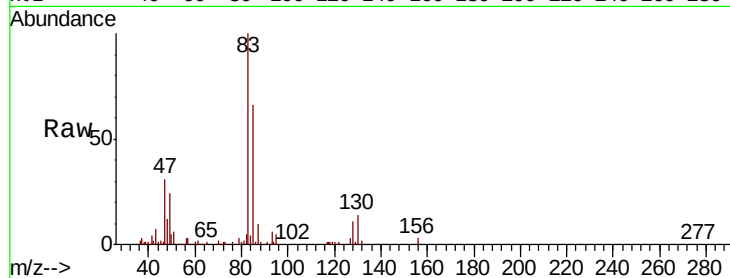
VSTDIC001

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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

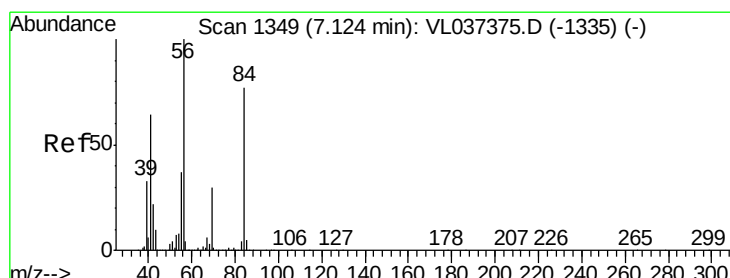
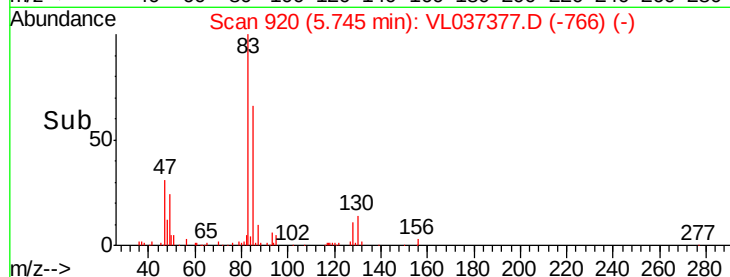
5.74

100000

50000

0

Time--> 5.65 5.70 5.75 5.80 5.85



#30

Cyclohexane

Concen: 1.046 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

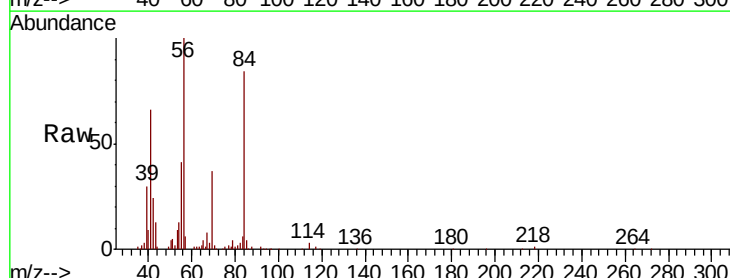
Tgt Ion: 84 Resp: 134705

Ion Ratio Lower Upper

84 100

56 187.2 109.2 163.8#

41 84.4 66.6 100.0



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

7.12

100000

80000

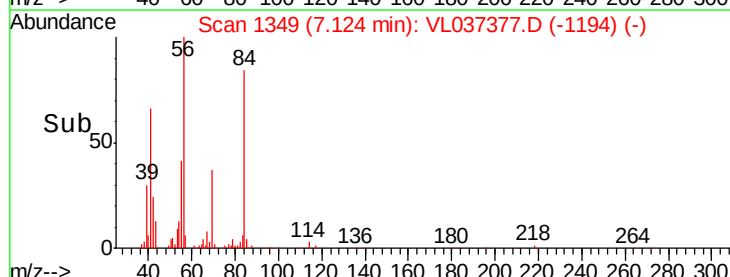
60000

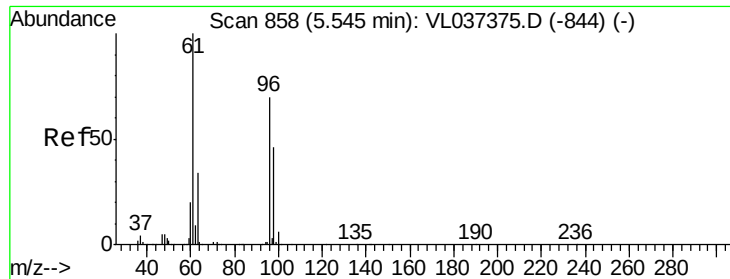
40000

20000

0

Time--> 7.05 7.10 7.15





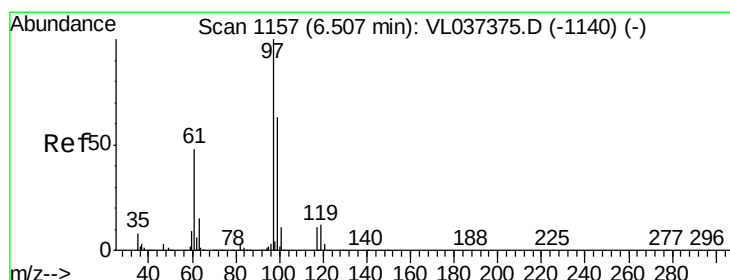
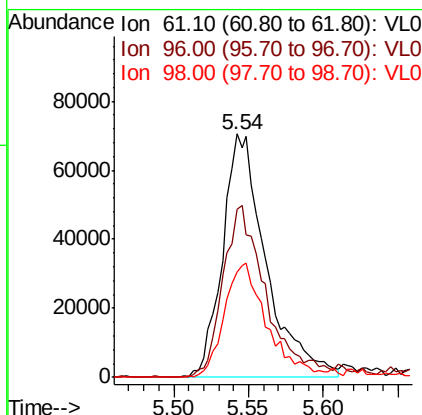
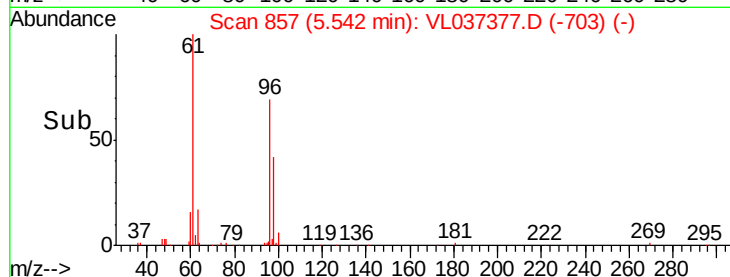
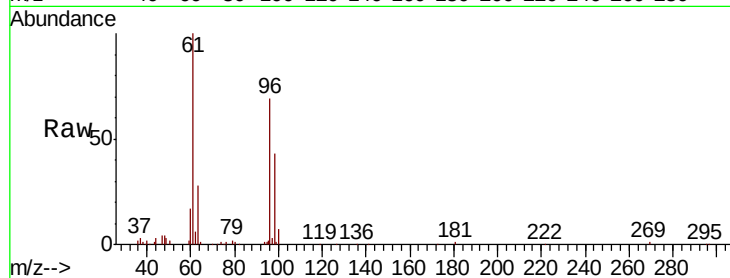
#31
 cis-1,2-Dichloroethene
 Concen: 1.012 ppbv
 RT: 5.54 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.9	56.0	84.0
98	42.2	36.8	55.2

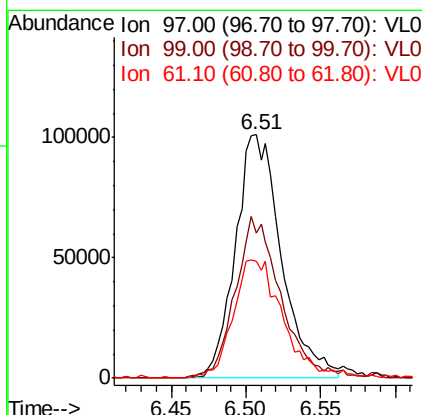
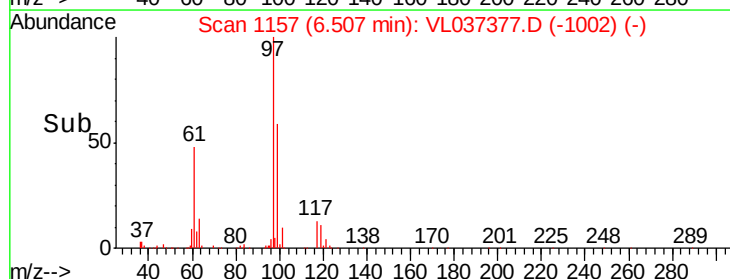
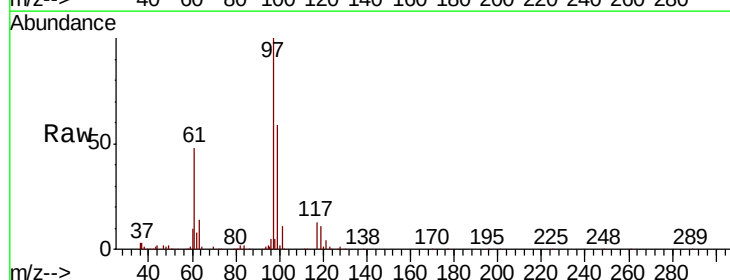
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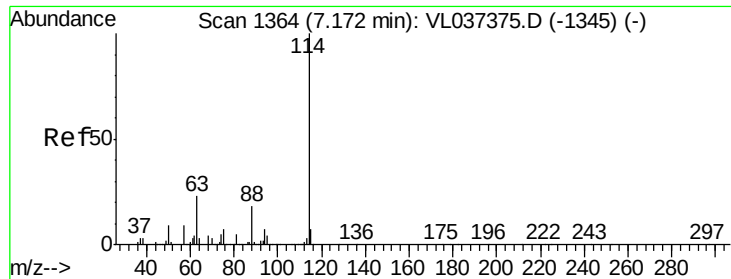
apatel
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#32
 1,1,1-Trichloroethane
 Concen: 0.863 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.7	79.1
61	52.8	39.9	59.9





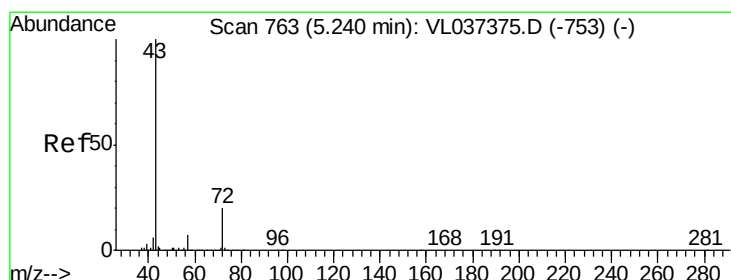
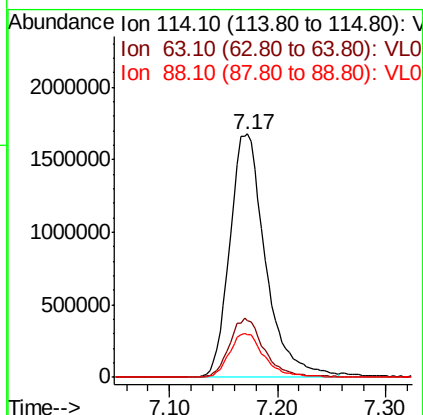
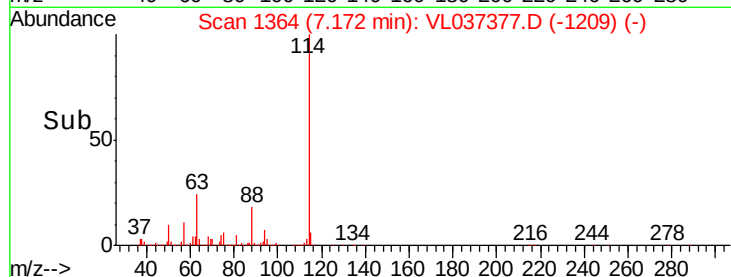
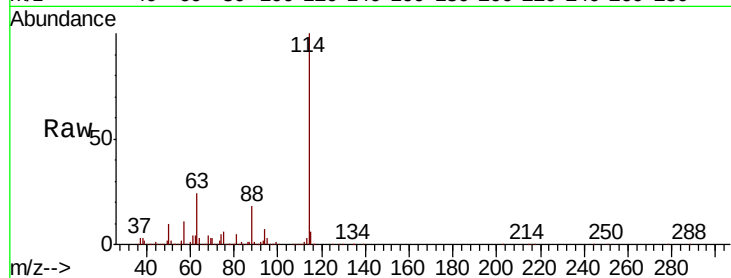
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.5	29.3
88	18.1	14.3	21.5

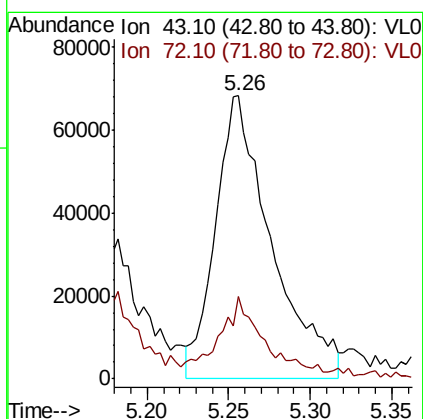
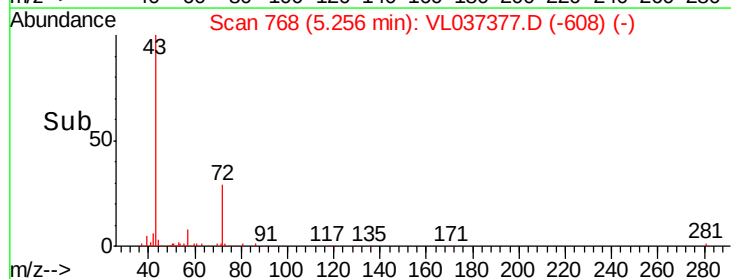
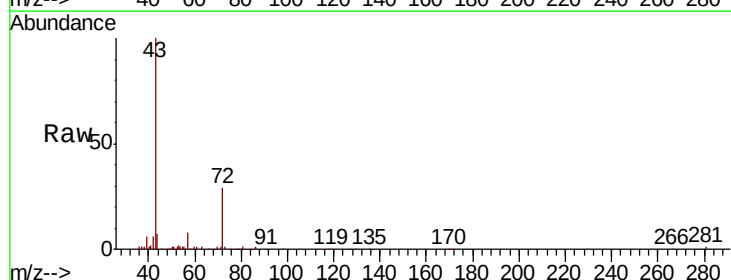
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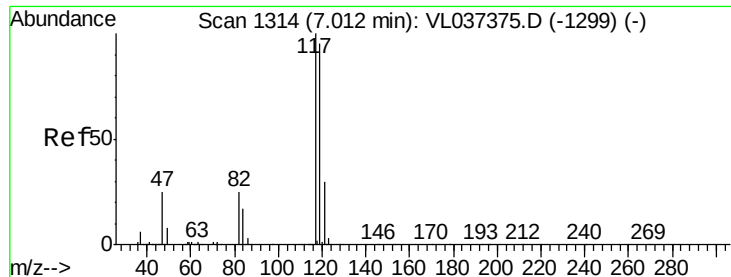
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#34
 2-Butanone
 Concen: 1.097 ppbv m
 RT: 5.26 min Scan# 768
 Delta R.T. 0.02 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.7	19.7	29.5





#35

Carbon Tetrachloride

Concen: 0.853 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

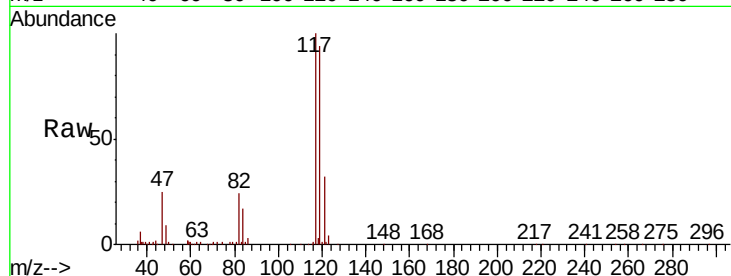
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	216417
Ion Ratio	Lower	Upper	
117	100		
119	94.5	76.1	114.1
121	32.3	24.4	36.6

Manual Integrations
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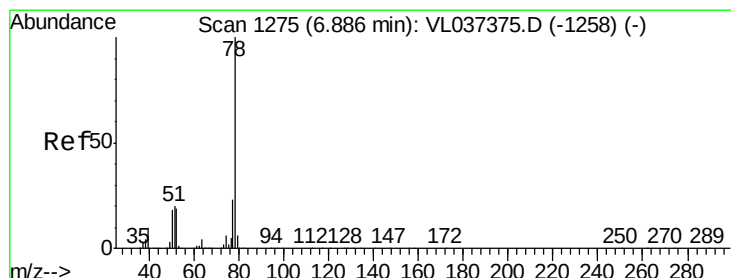
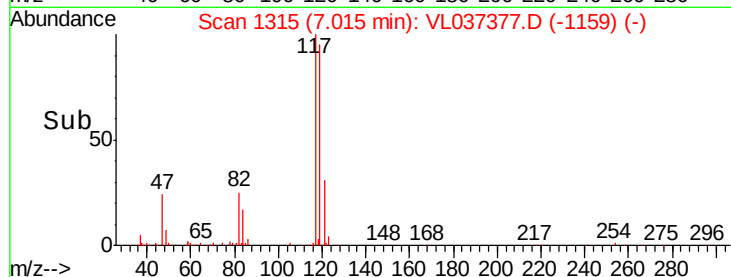
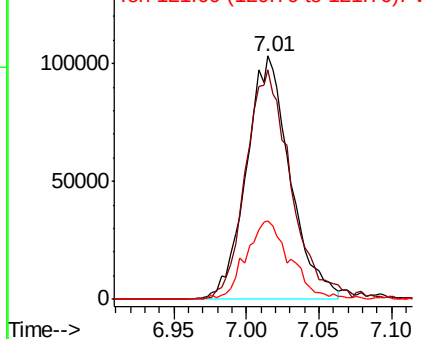
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 1.012 ppbv

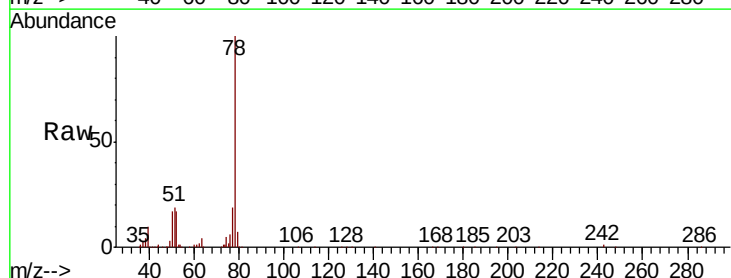
RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

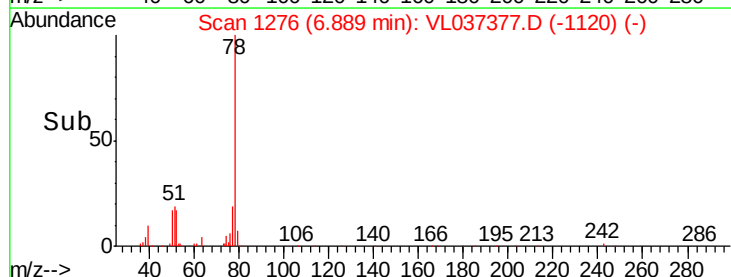
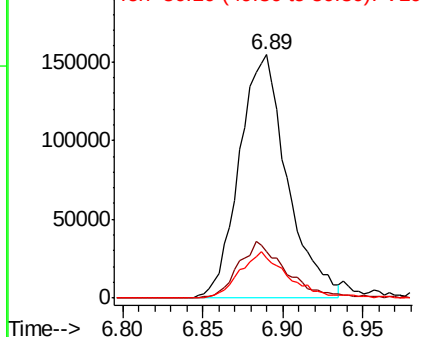
Tgt Ion:	78	Resp:	316945
Ion Ratio	Lower	Upper	
78	100		
77	19.0	18.6	28.0
50	16.6	14.3	21.5

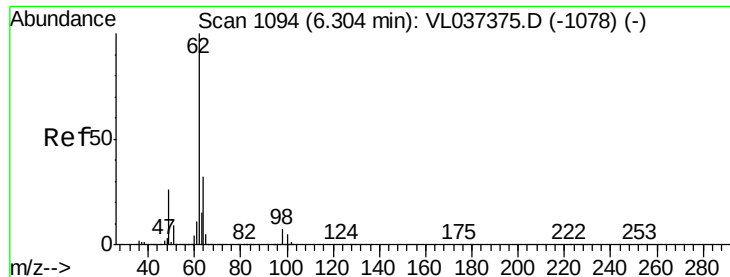


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





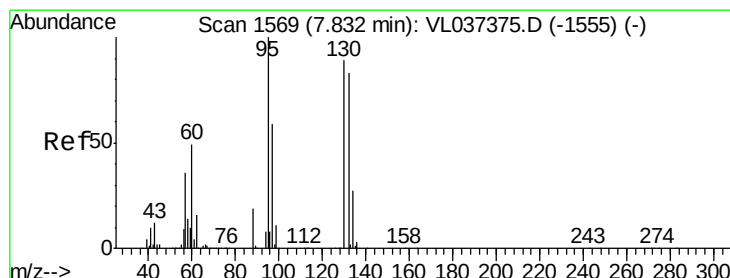
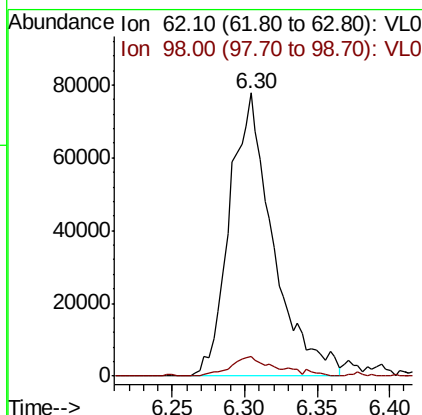
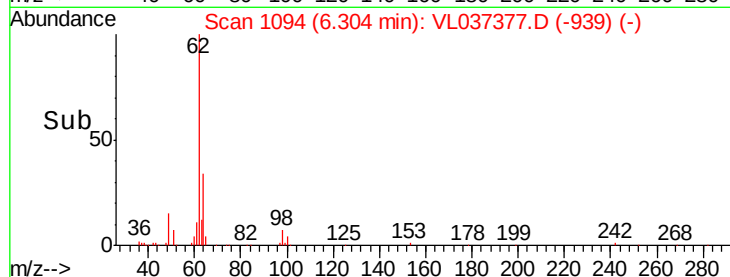
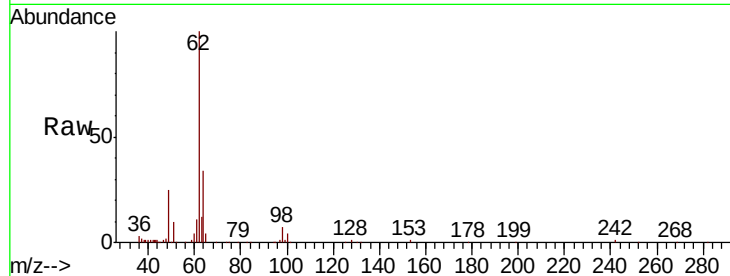
#37
 1,2-Dichloroethane
 Concen: 0.915 ppbv m
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	162604		
98	7.8	5.8	8.8	

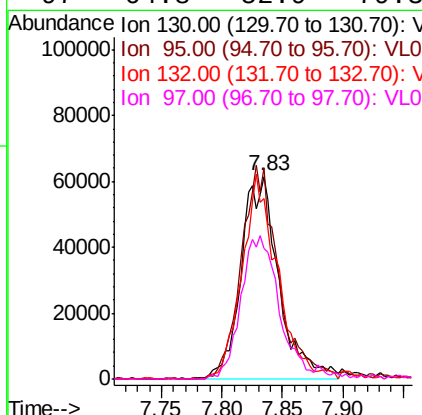
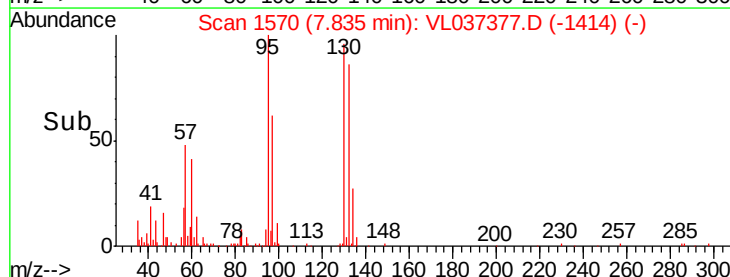
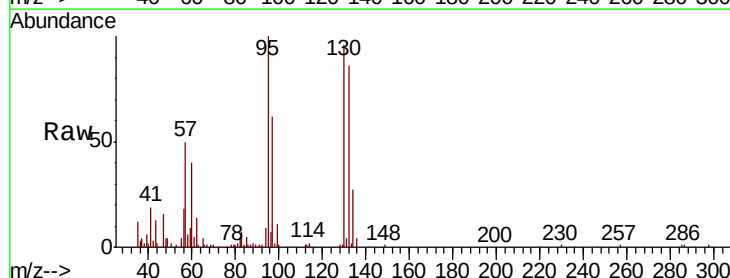
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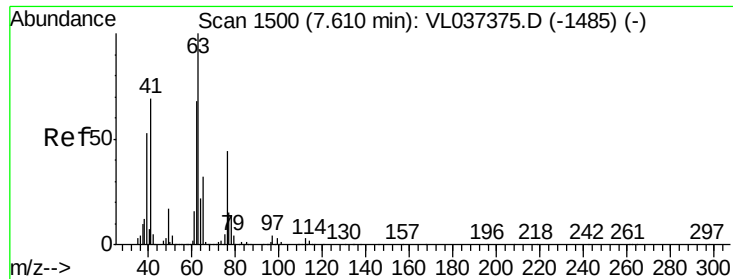
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#38
 Trichloroethene
 Concen: 0.911 ppbv m
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	134634		
95	104.0	89.5	134.3	
132	89.4	74.2	111.4	
97	64.8	52.9	79.3	





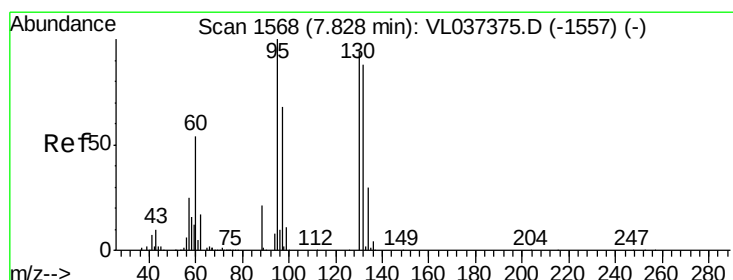
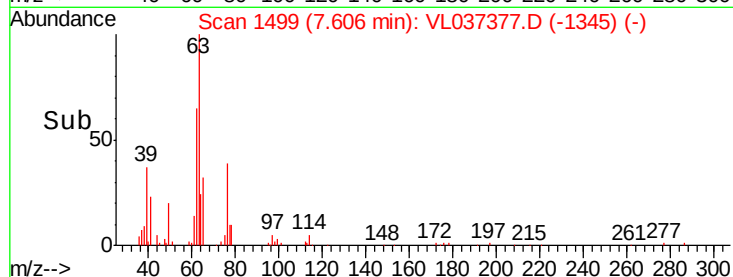
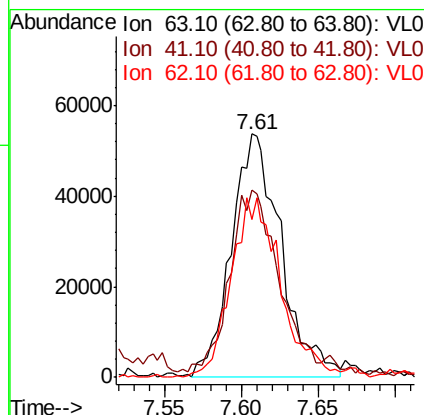
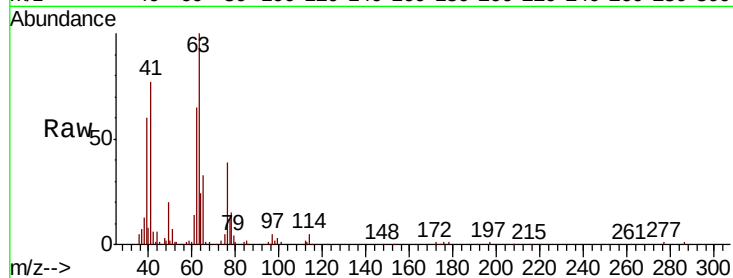
#39
 1,2-Dichloropropane
 Concen: 1.045 ppbv m
 RT: 7.61 min Scan# 1499
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion:	63	Resp:	121179
Ion Ratio	Lower	Upper	
63	100		
41	76.7	54.8	82.2
62	65.0	54.5	81.7

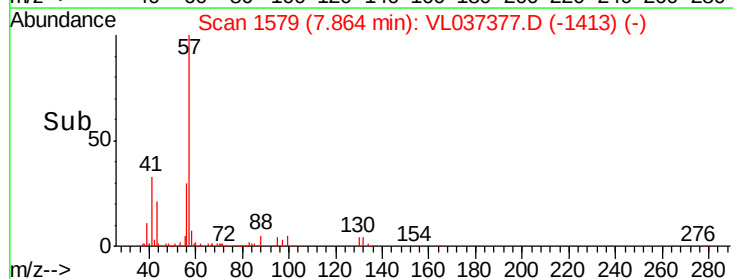
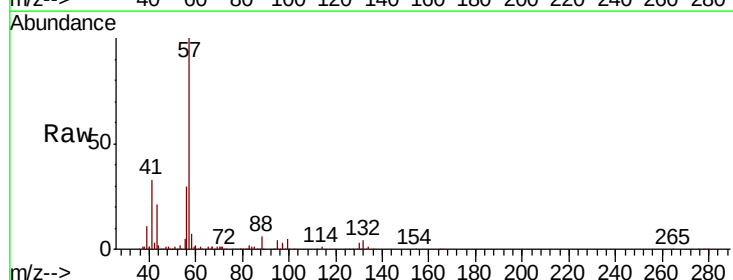
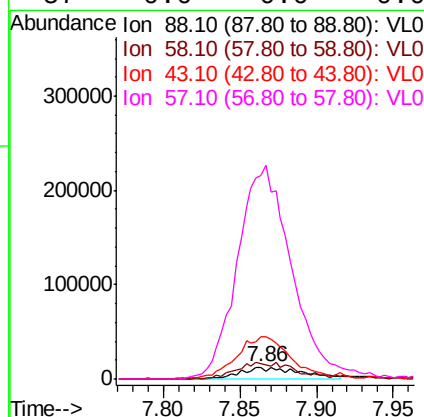
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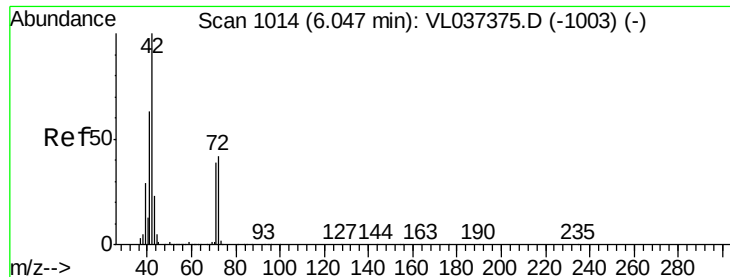
apatel
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#40
 1,4-Dioxane
 Concen: 1.054 ppbv m
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.04 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion:	88	Resp:	33607
Ion Ratio	Lower	Upper	
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 1.029 ppbv m

RT: 6.06 min Scan# 1019

Delta R.T. 0.02 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

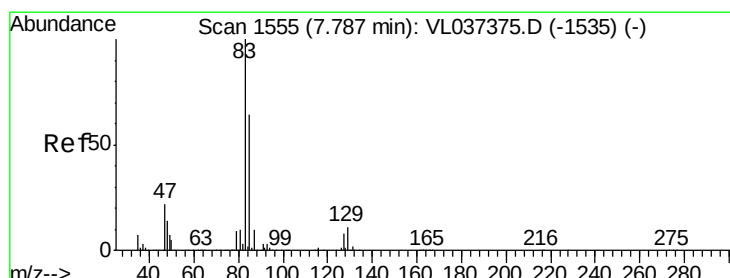
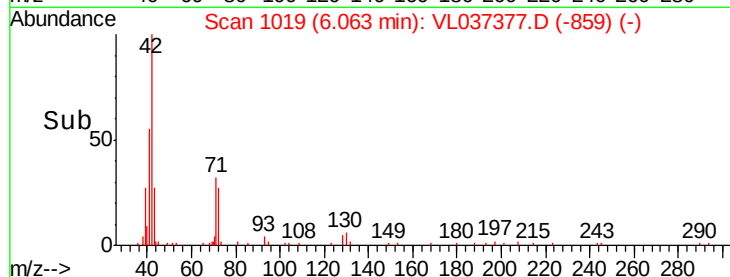
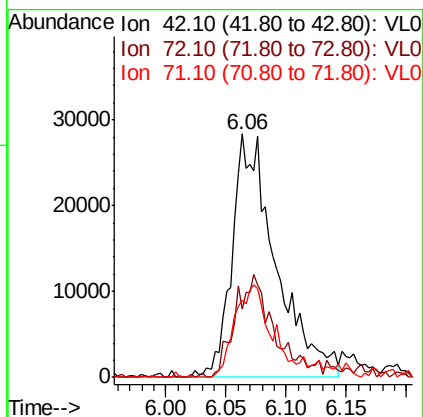
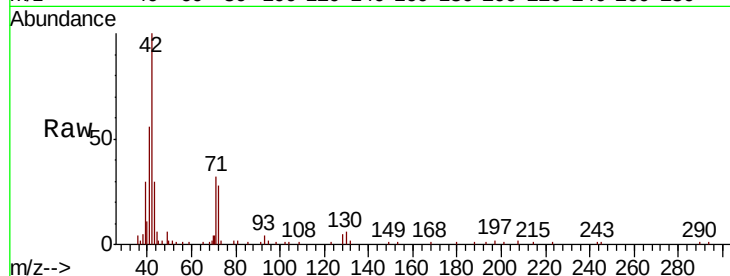
ClientSampleId :

VSTDIC001

Tot Ion:	42	Resp:	71814
Ion Ratio	Lower	Upper	
42	100		
72	0.0	34.4	51.6#
71	0.0	32.3	48.5#

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#42

Bromodichloromethane

Concen: 0.931 ppbv m

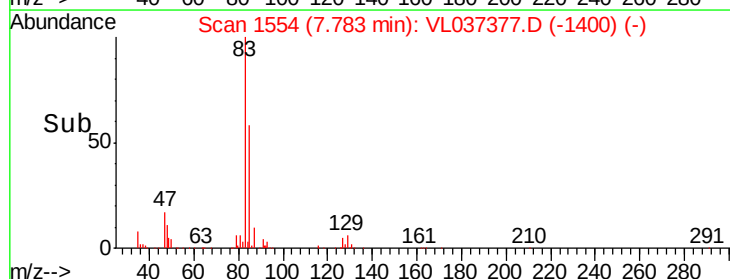
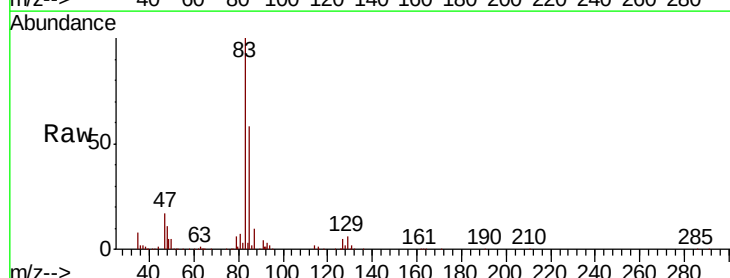
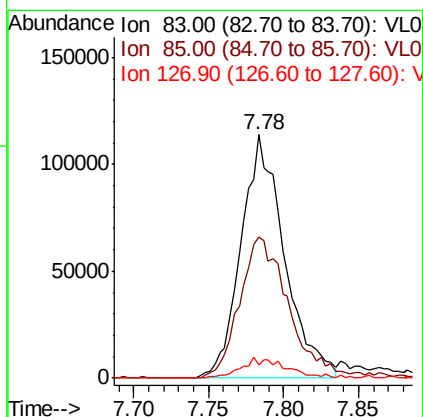
RT: 7.78 min Scan# 1554

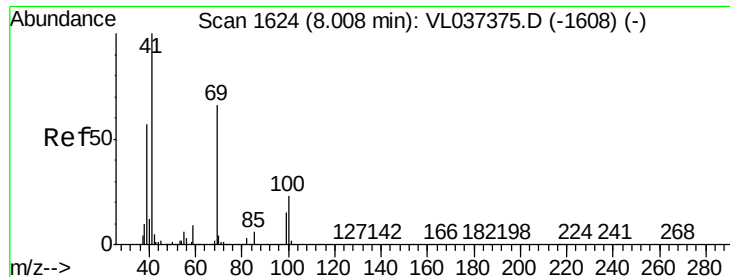
Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Tgt Ion:	83	Resp:	228038
Ion Ratio	Lower	Upper	
83	100		
85	57.8	51.2	76.8
127	5.3	6.7	10.1#





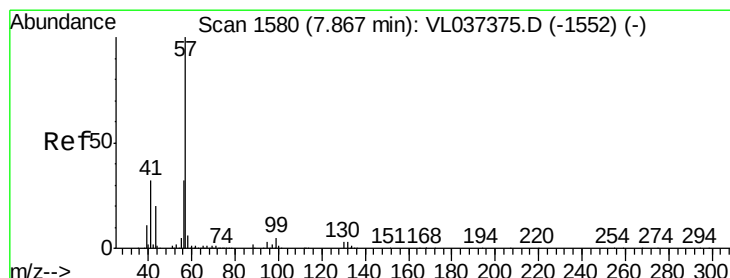
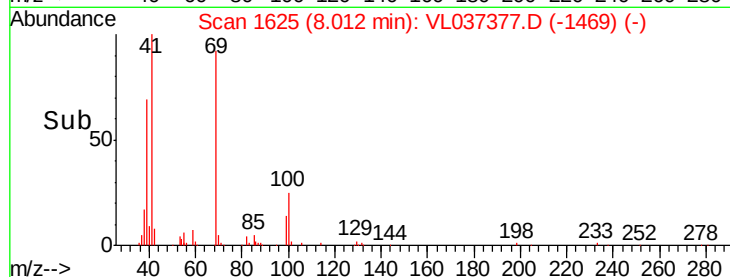
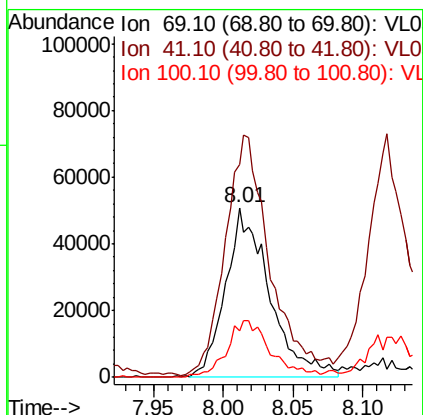
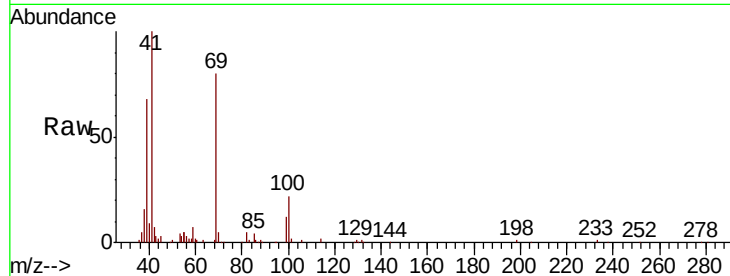
#43
Methvl Methacrylate
Concen: 1.036 ppbv m
RT: 8.01 min Scan# 1625
Delta R.T. 0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	119.1	178.7#
100	0.0	27.7	41.5#

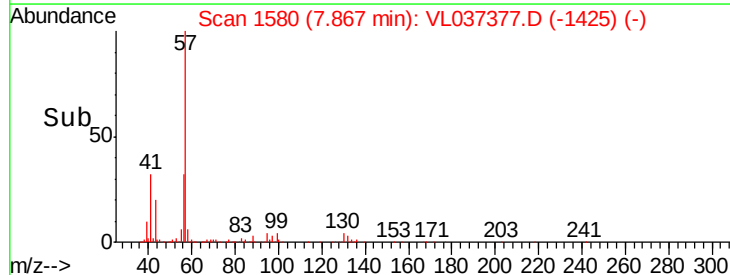
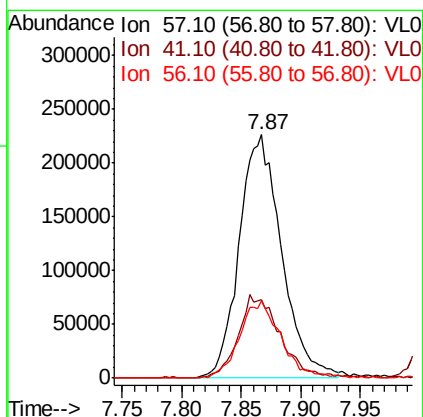
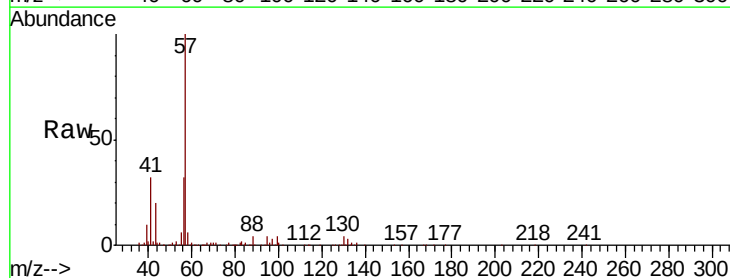
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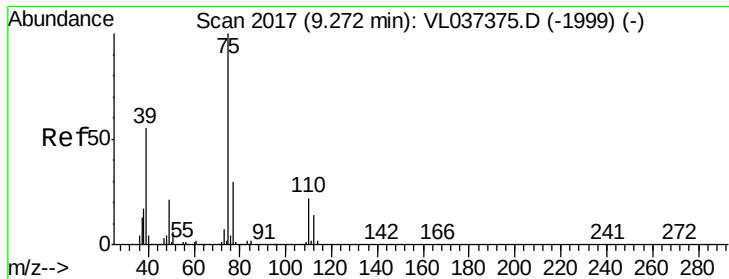
apatel
8/12/2021 10:16:37 AM



#44
2,2,4-Trimethylpentane
Concen: 1.055 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Lower	Upper
57	100		
41	34.1	26.1	39.1
56	31.2	25.1	37.7





#45

t-1,3-Dichloropropene

Concen: 0.787 ppbv m

RT: 9.27 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 72099

Ion Ratio Lower Upper

75 100

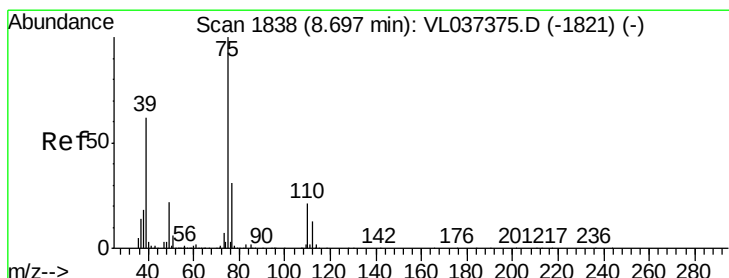
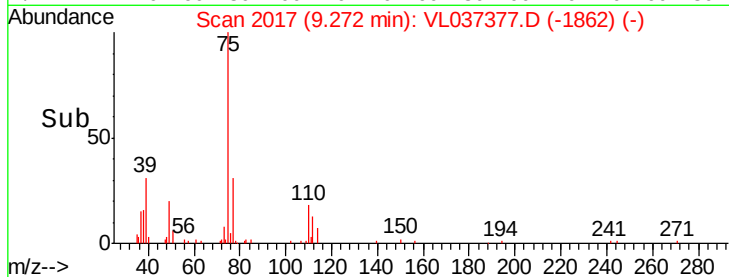
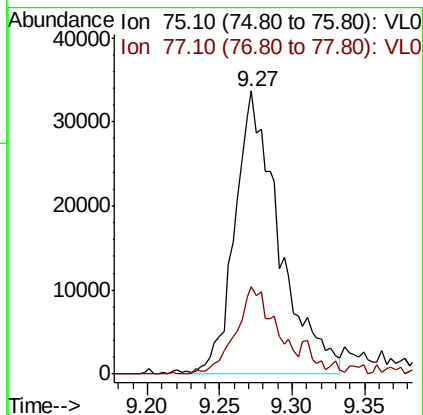
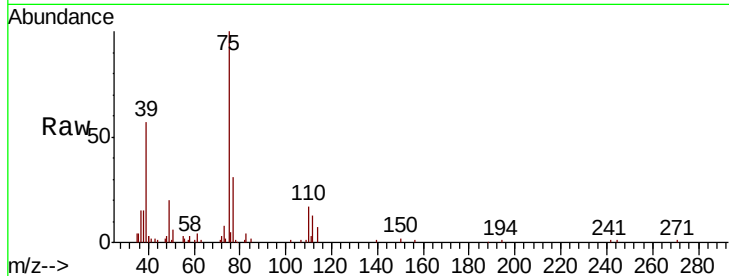
77 30.8 24.1 36.1

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#46

cis-1,3-Dichloropropene

Concen: 0.826 ppbv m

RT: 8.70 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

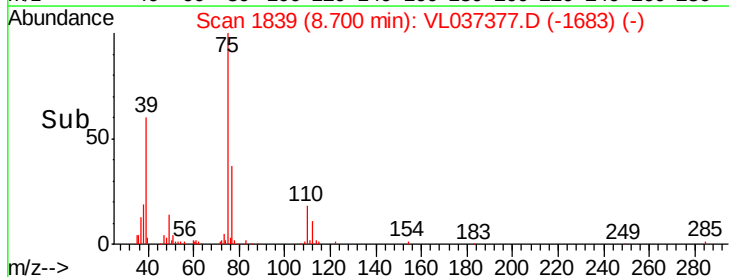
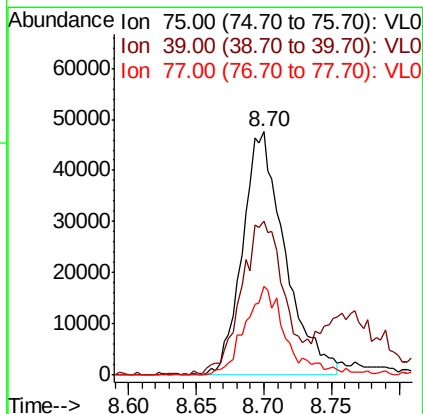
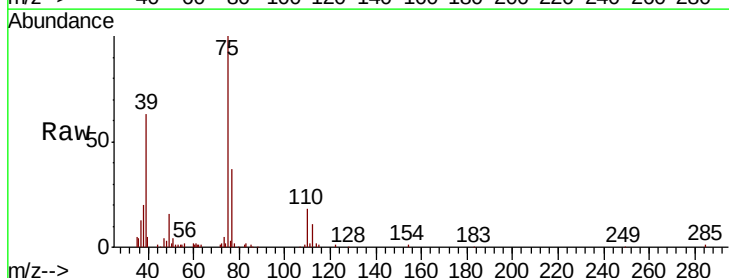
Tgt Ion: 75 Resp: 104073

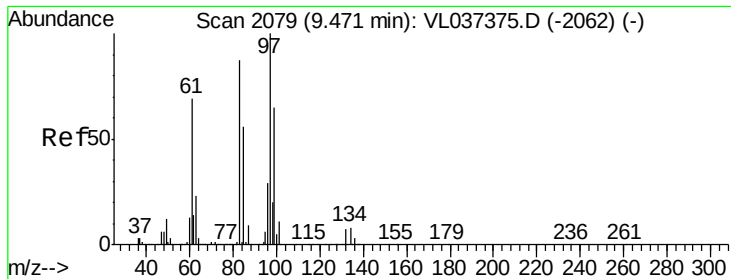
Ion Ratio Lower Upper

75 100

39 63.2 49.4 74.2

77 36.7 25.0 37.6





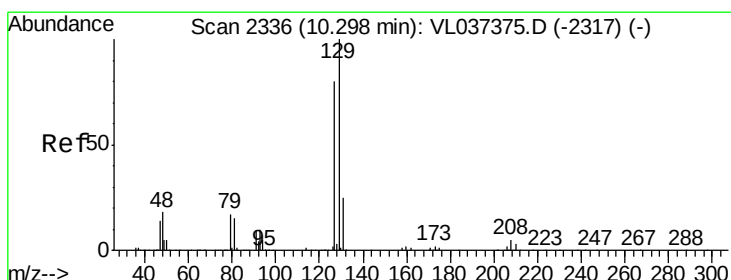
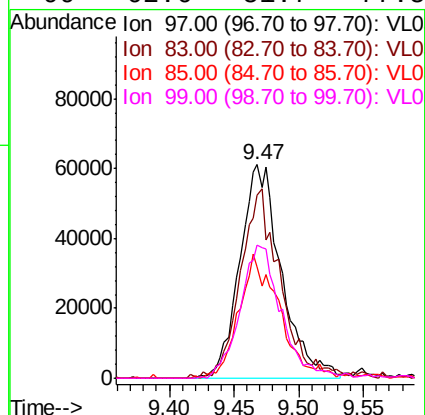
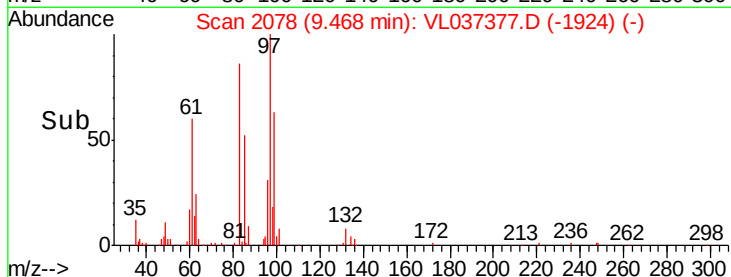
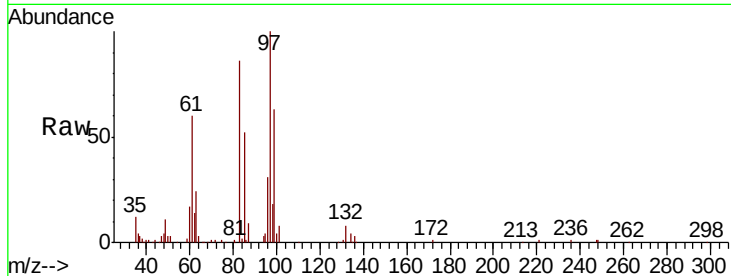
#47
 1,1,2-Trichloroethane
 Concen: 1.036 ppbv m
 RT: 9.47 min Scan# 2078
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	97	Resp	136853
Ion Ratio	Lower	Upper	
97	100		
83	85.6	69.4	104.0
85	52.3	45.0	67.4
99	62.6	51.7	77.5

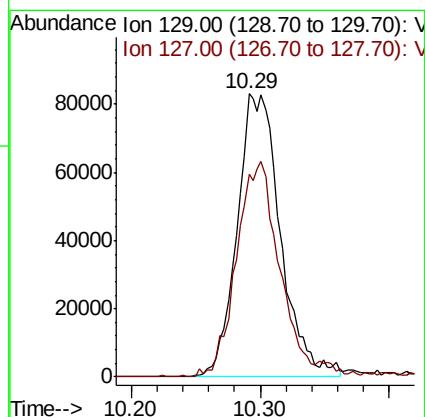
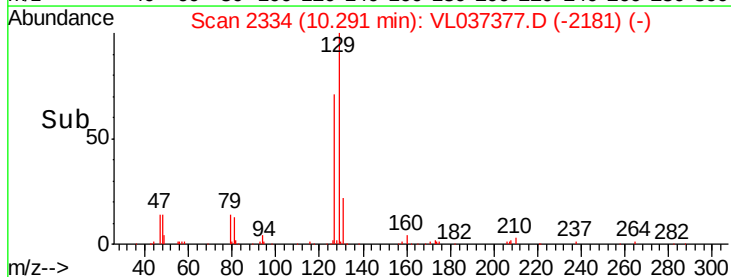
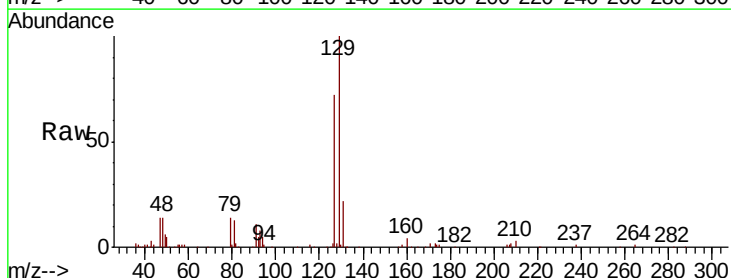
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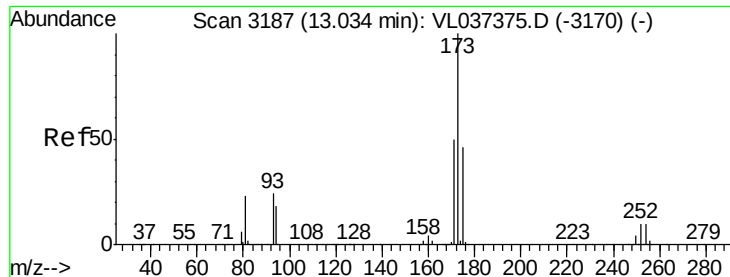
apatel
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#48
 Dibromochloromethane
 Concen: 0.949 ppbv m
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion	129	Resp	193623
Ion Ratio	Lower	Upper	
129	100		
127	77.2	40.1	120.3





#49

Bromoform

Concen: 0.943 ppbv m

RT: 13.04 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

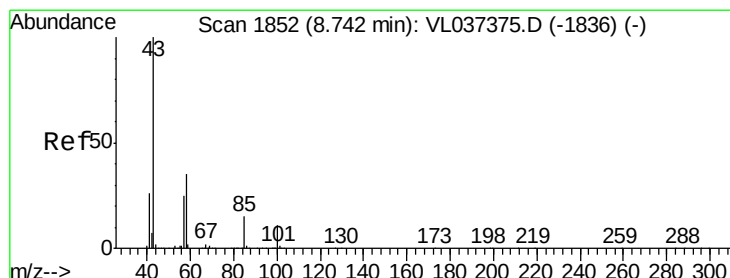
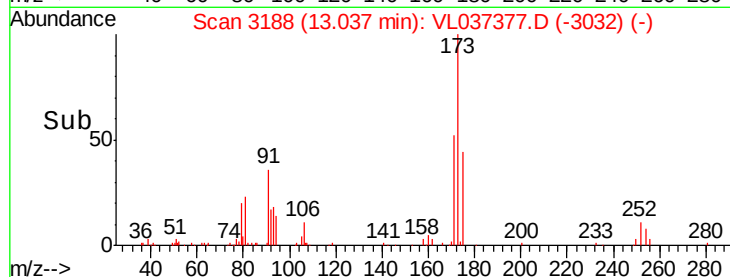
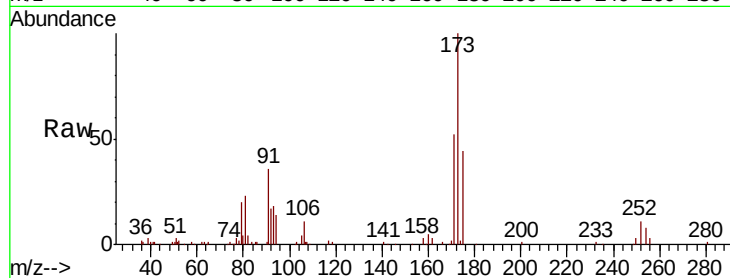
ClientSampleId :

VSTDIC001

Tot Ion:	173	Resp:	143506
Ion Ratio	Lower	Upper	
173	100		
175	49.0	41.7	62.5
171	54.1	43.3	64.9

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#50

4-Methyl-2-Pentanone

Concen: 0.991 ppbv m

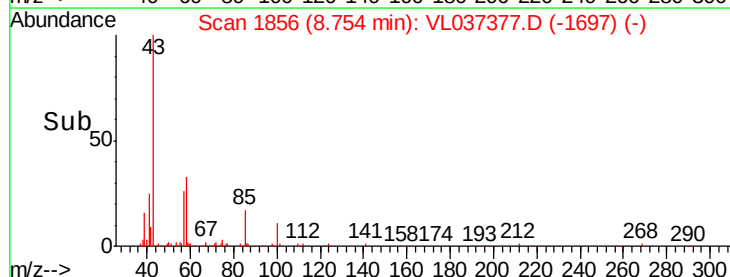
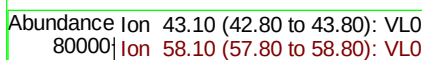
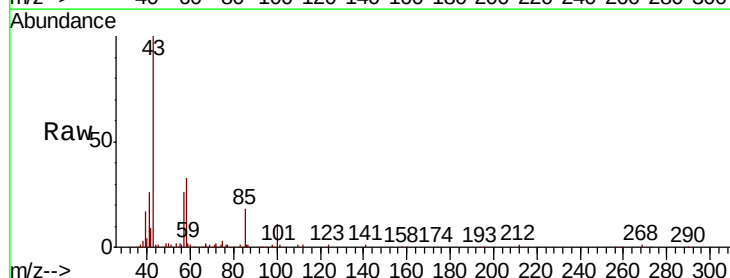
RT: 8.75 min Scan# 1856

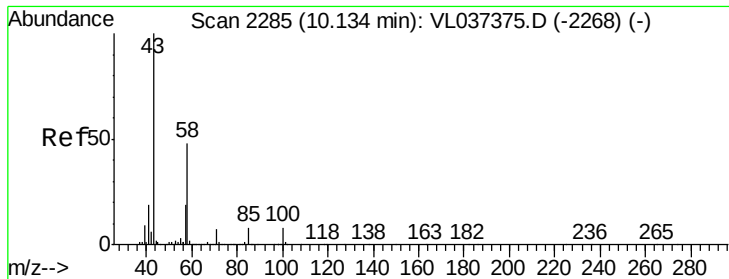
Delta R.T. 0.01 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Tgt Ion:	43	Resp:	202405
Ion Ratio	Lower	Upper	
43	100		
58	37.1	29.4	44.0





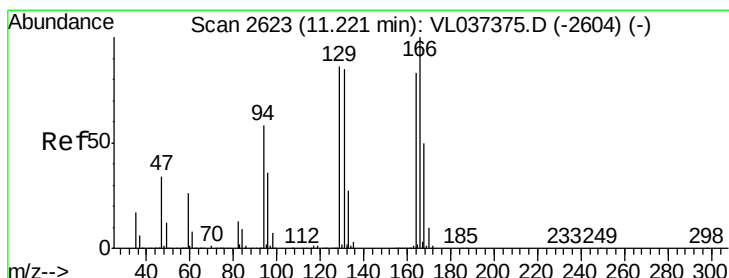
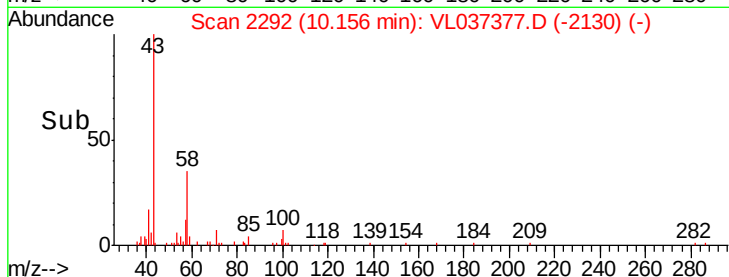
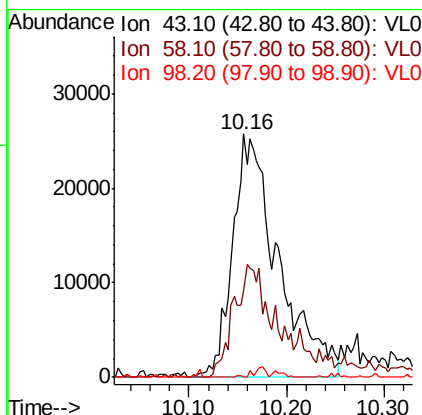
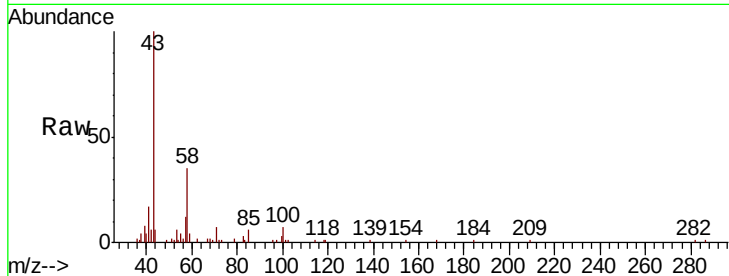
#51
2-Hexanone
Concen: 0.852 ppbv m
RT: 10.16 min Scan# 2292
Delta R.T. 0.02 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.8	62.8#
98	0.0	0.2	0.4#

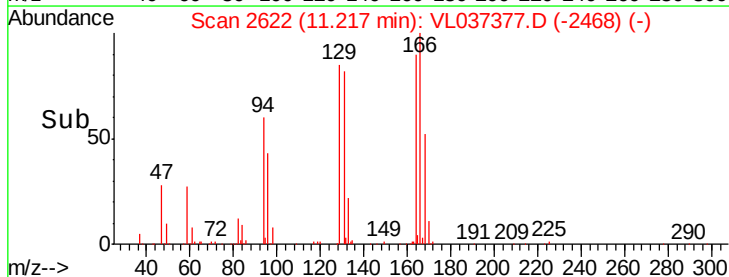
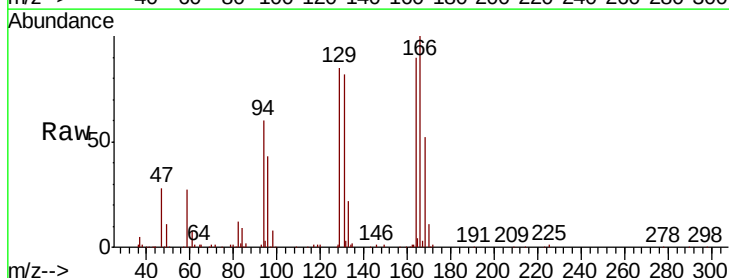
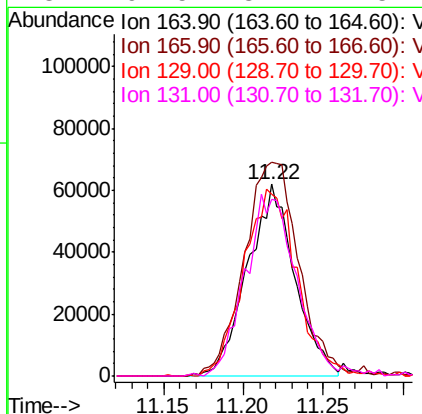
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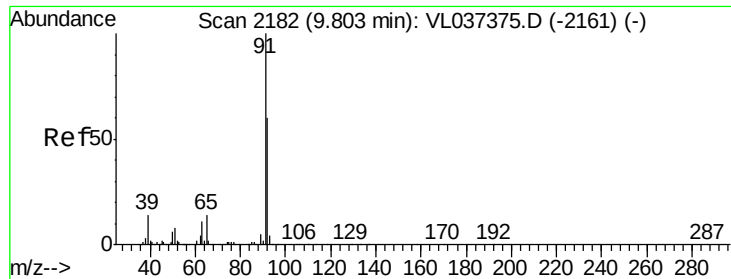
apatel
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#52
Tetrachloroethene
Concen: 0.874 ppbv
RT: 11.22 min Scan# 2622
Delta R.T. -0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	111.6	96.5	144.7
129	94.2	83.2	124.8
131	91.5	82.2	123.2





#53

Toluene

Concen: 0.986 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 368151

Ion Ratio Lower Upper

91 100

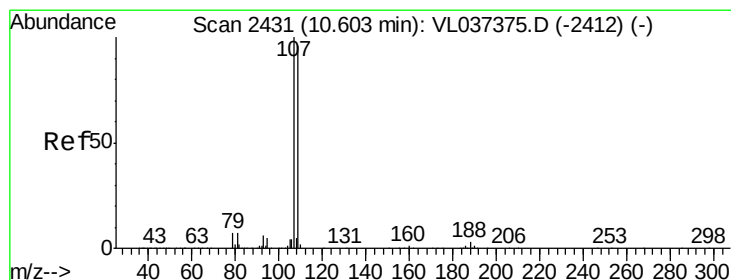
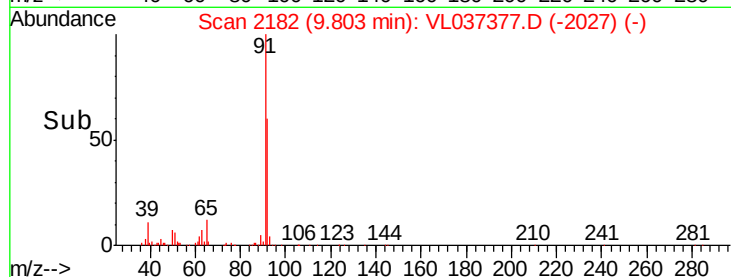
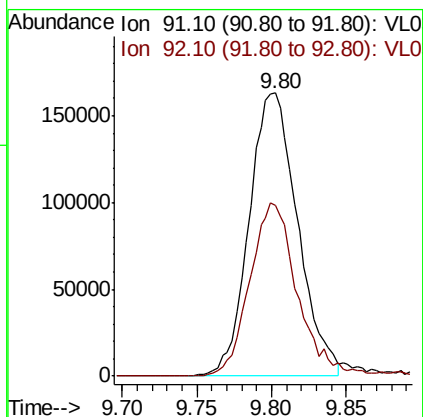
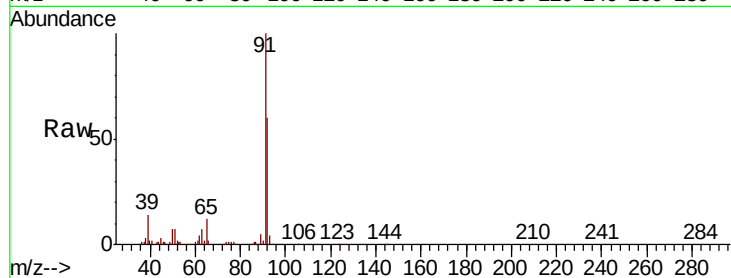
92 60.9 48.2 72.2

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 0.948 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.01 min

Lab File: VL037377.D

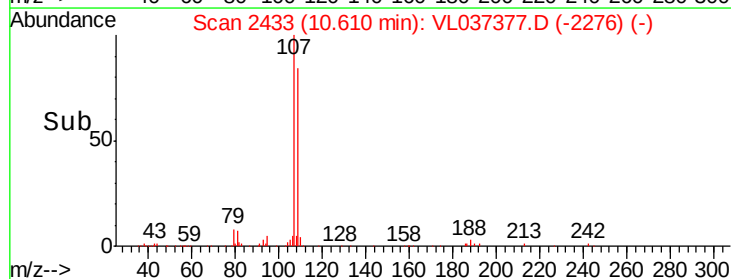
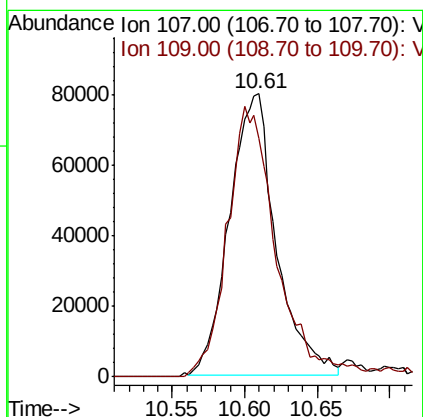
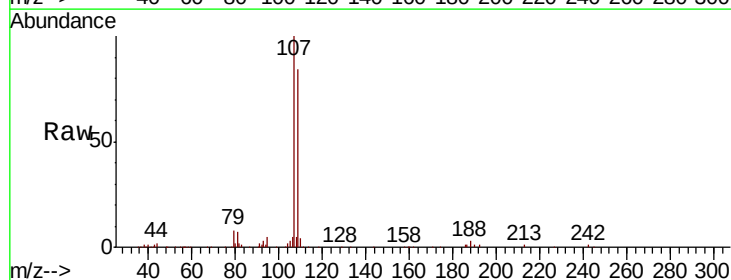
Acq: 11 Aug 2021 3:43

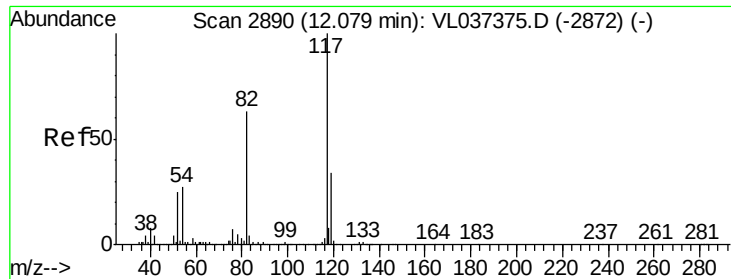
Tgt Ion: 107 Resp: 179372

Ion Ratio Lower Upper

107 100

109 83.4 76.7 115.1





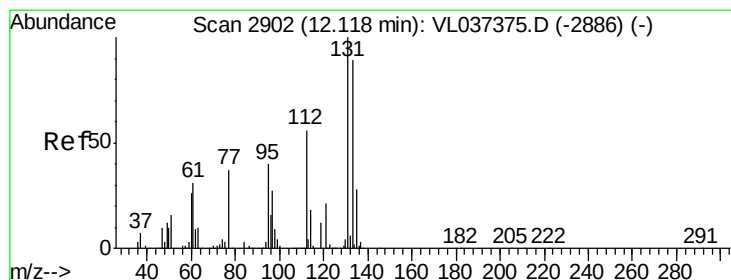
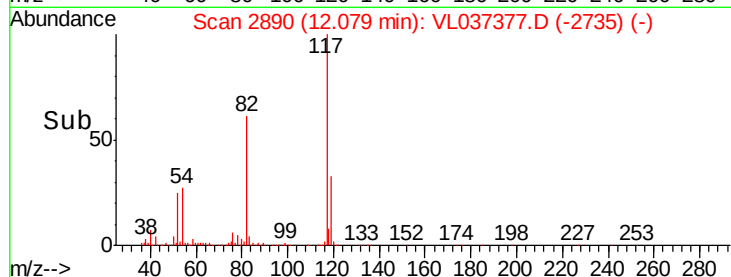
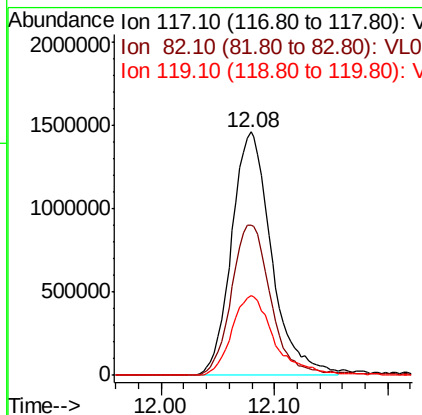
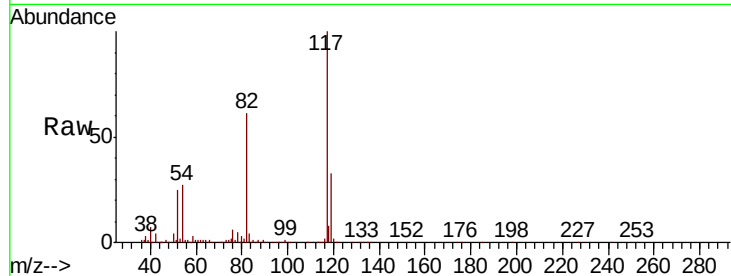
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	52.6	78.8
119	35.3	46.6	69.8#

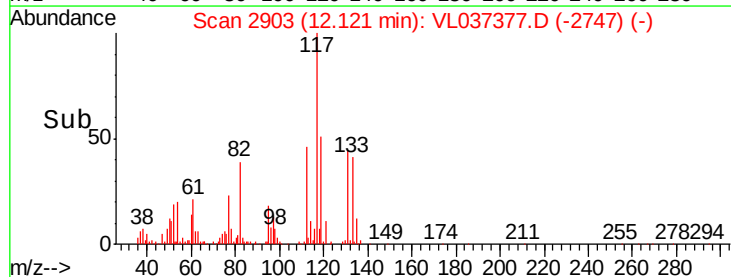
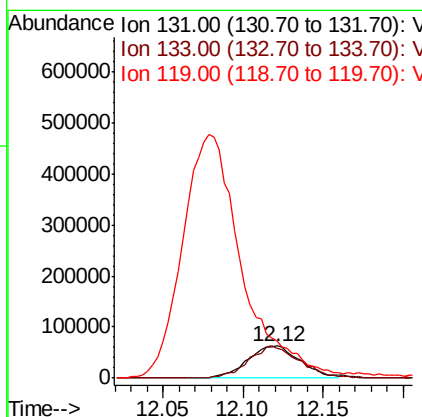
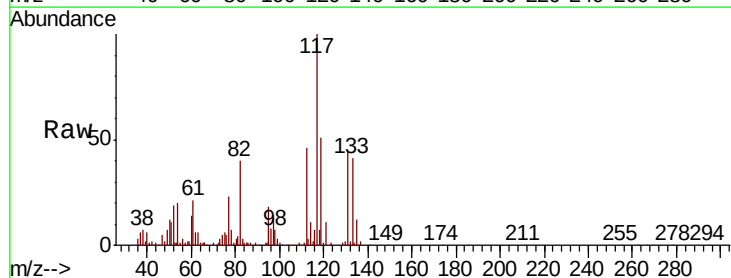
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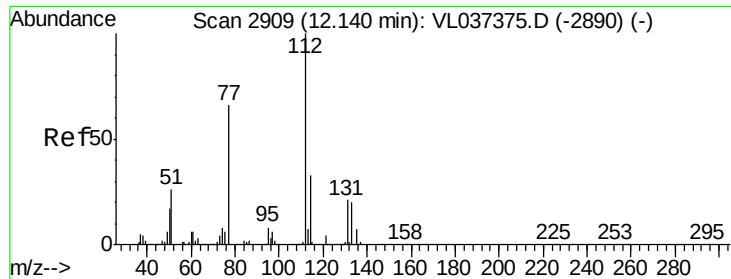
apatel
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.934 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	79.3	118.9
119	885.8	126.2	189.2#





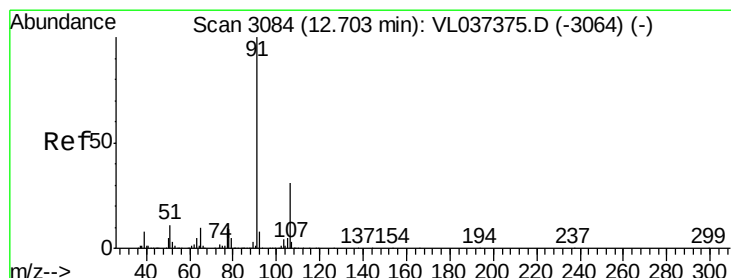
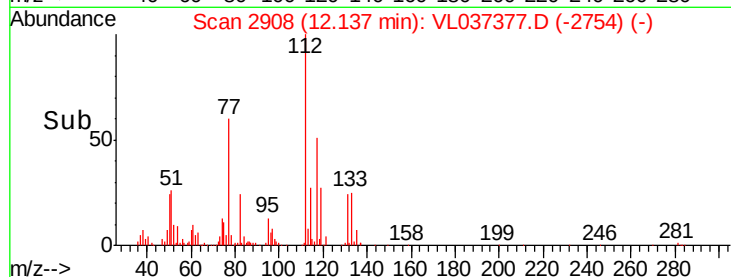
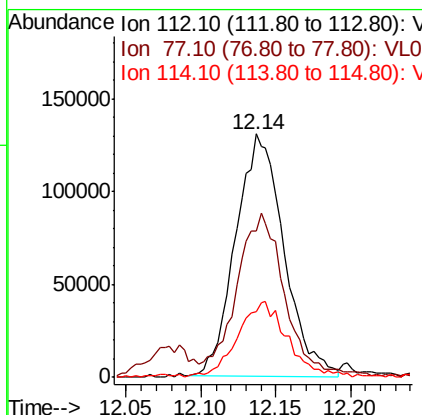
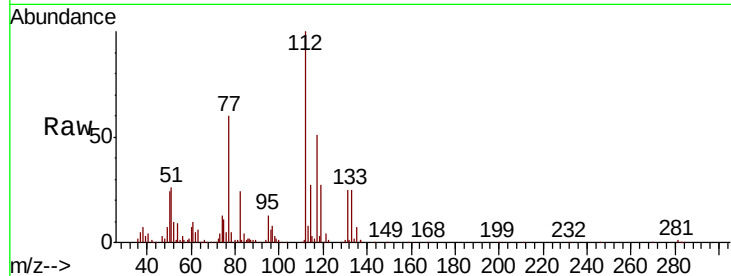
#57
Chlorobenzene
Concen: 1.023 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
112	100	293885		
77	57.1		52.9	79.3
114	26.6		29.8	36.4#

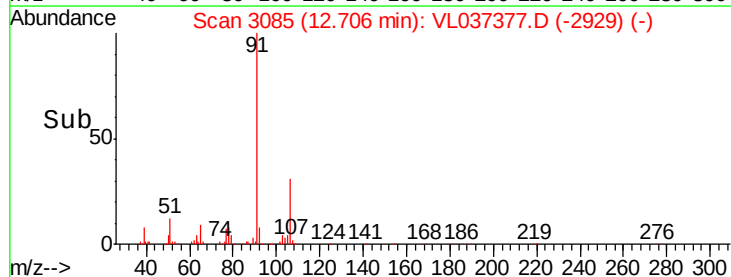
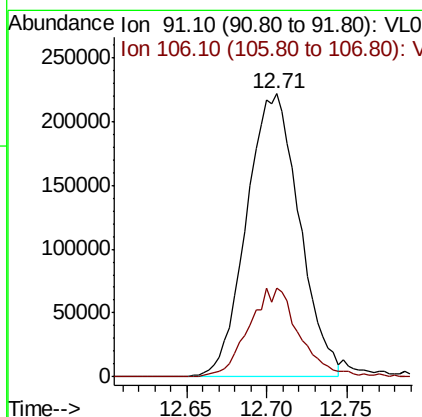
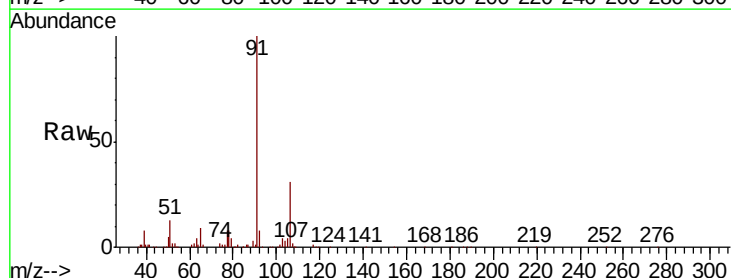
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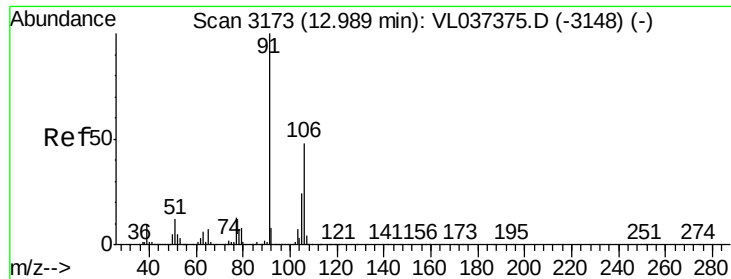
apatel
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#58
Ethyl Benzene
Concen: 1.026 ppbv
RT: 12.71 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	502994		
106	31.4		24.6	36.8





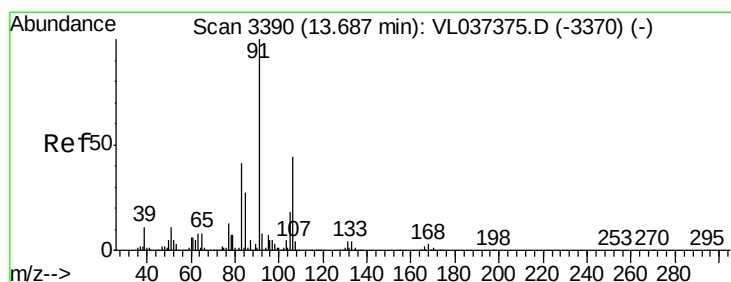
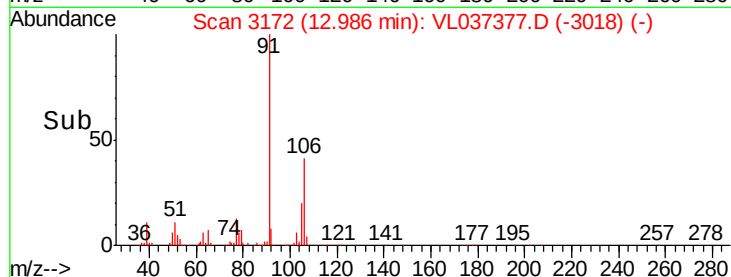
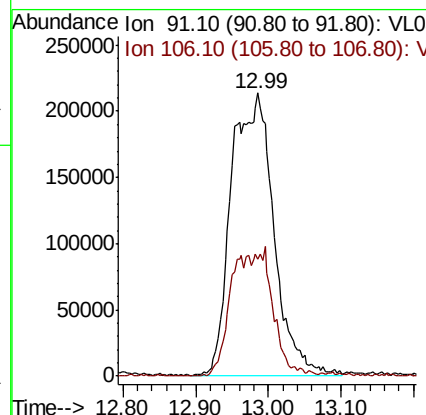
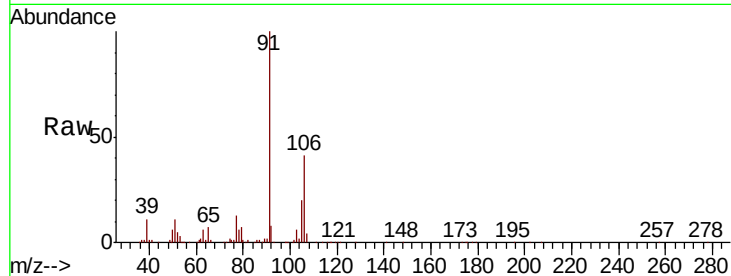
#59
m/p-Xylene
Concen: 2.090 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 869143
Ion Ratio Lower Upper
91 100
106 43.7 36.2 54.2

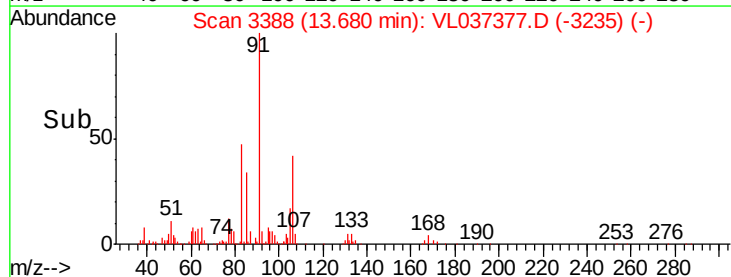
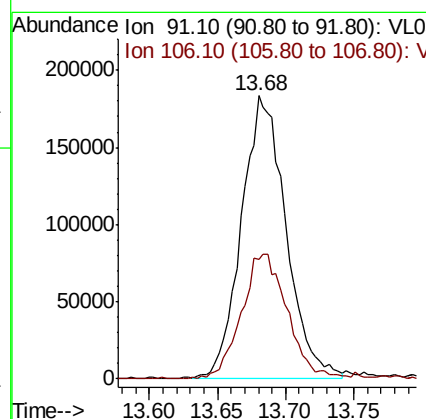
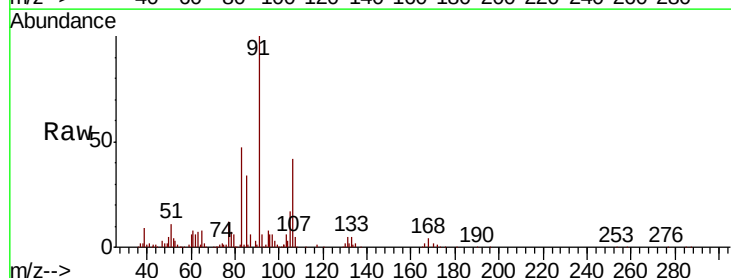
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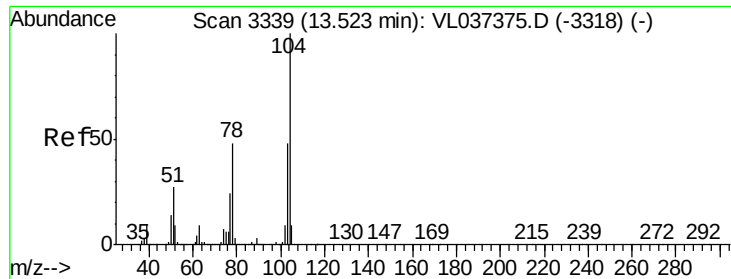
apatel
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#60
o-Xylene
Concen: 1.047 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Tgt Ion: 91 Resp: 412513
Ion Ratio Lower Upper
91 100
106 46.3 23.4 70.0





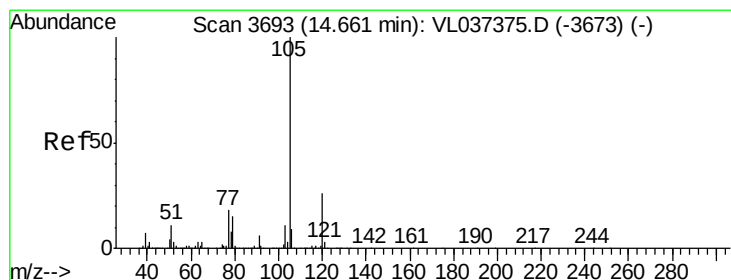
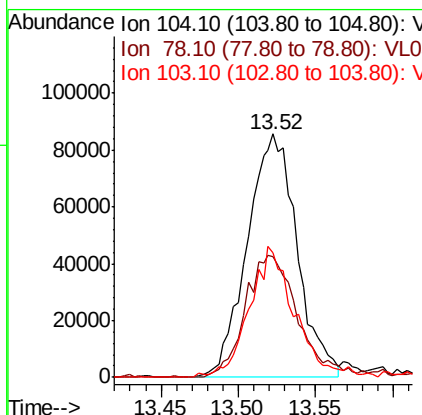
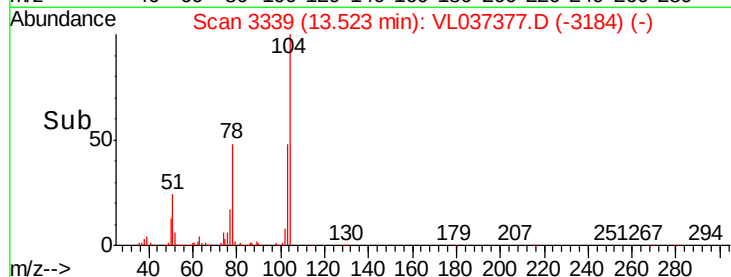
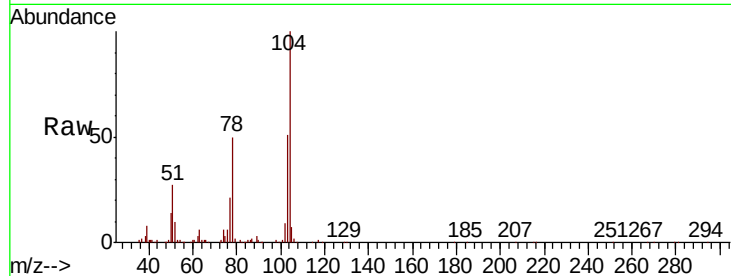
#61
Stvrene
Concen: 0.951 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. -0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.2	41.4	62.2
103	49.0	40.6	61.0

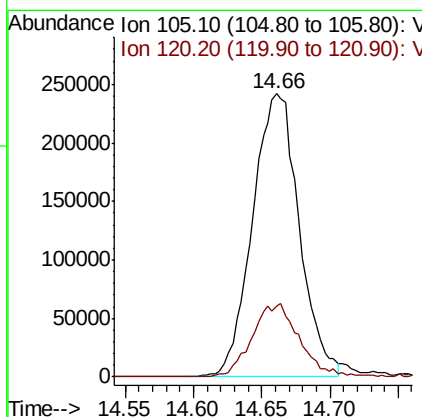
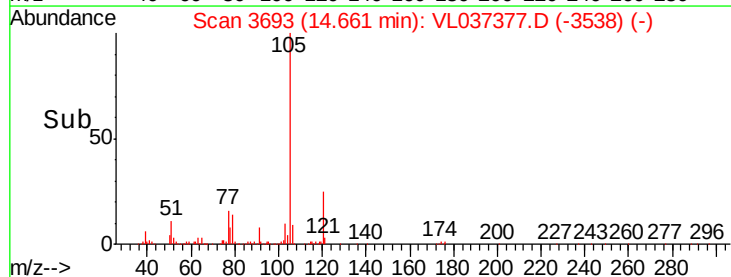
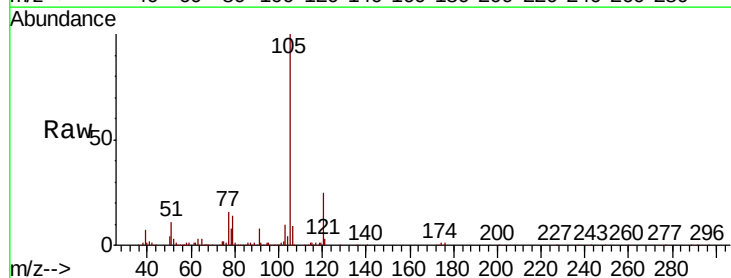
Manual Integrations
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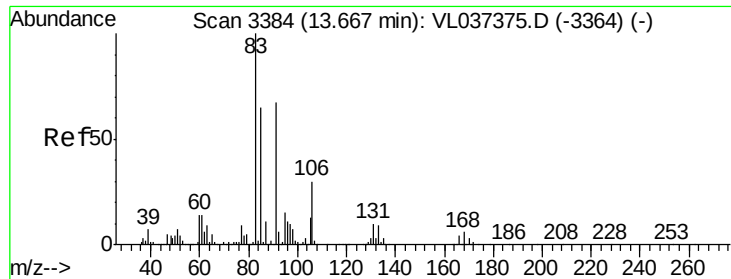
apatel
8/12/2021 10:16:37 AM



#62
Isopropylbenzene
Concen: 1.023 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL037377.D
Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	21.4	32.0





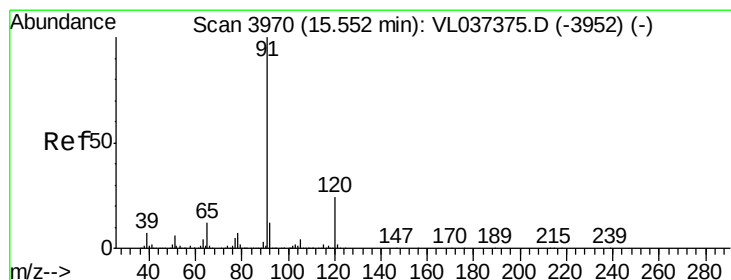
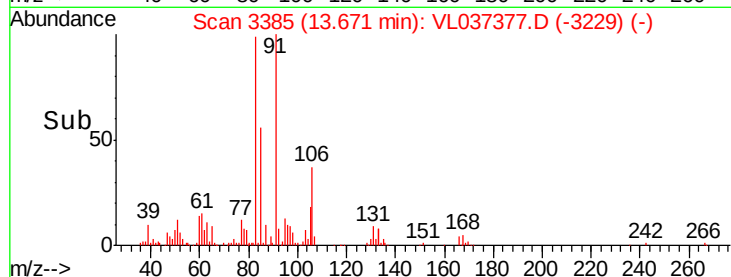
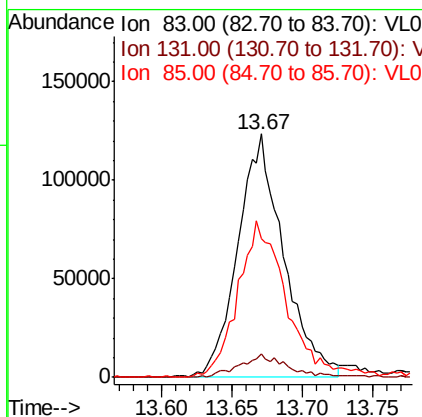
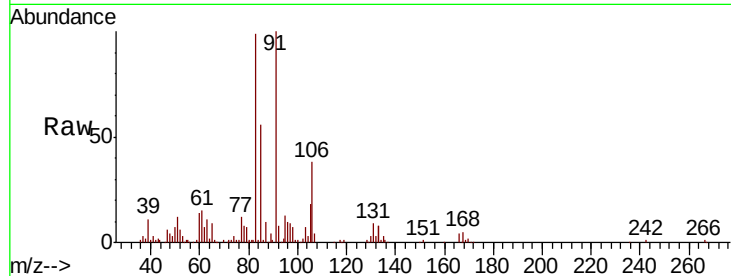
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.043 ppbv
 RT: 13.67 min Scan# 3385
 Delta R.T. 0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
83	100	277967		
131	9.8	5.0	15.0	
85	68.9	32.6	97.8	

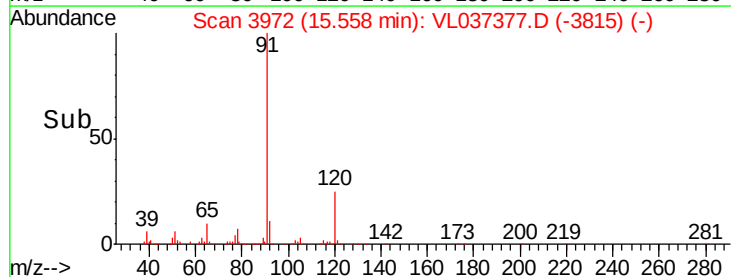
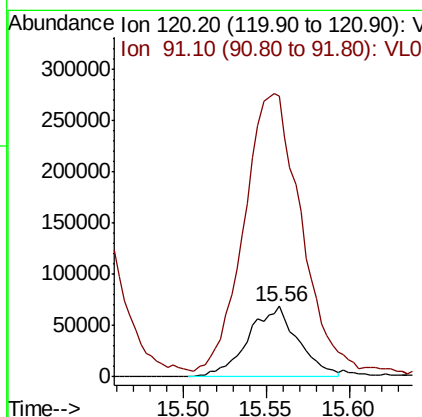
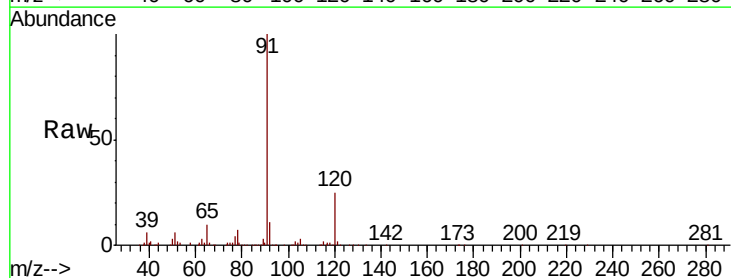
Manual Integrations
 APPROVED

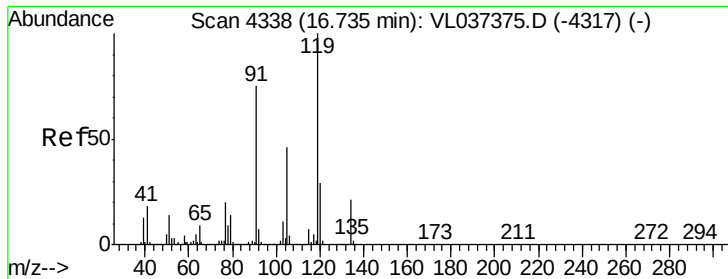
apatel
 8/12/2021 10:16:37 AM



#64
 n-propylbenzene
 Concen: 1.037 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. 0.01 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
120	100	144695		
91	479.8	386.1	579.1	





#65

tert-Butylbenzene

Concen: 1.045 ppbv m

RT: 16.73 min Scan# 4337

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

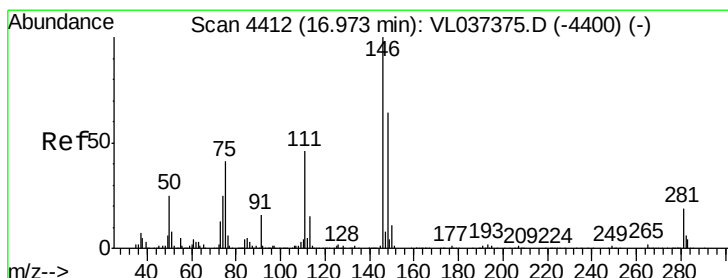
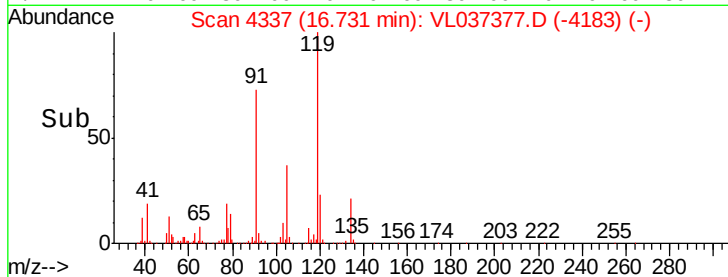
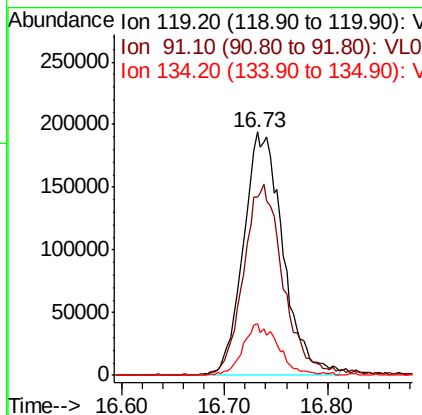
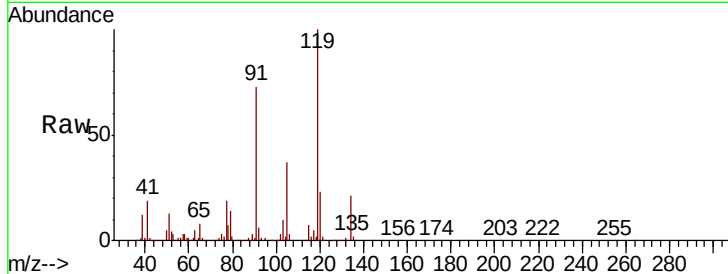
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	520079
Ion Ratio	Lower	Upper	
119	100		
91	0.0	63.1	94.7#
134	19.5	16.3	24.5

Manual Integrations
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#66

Benzyl Chloride

Concen: 0.795 ppbv m

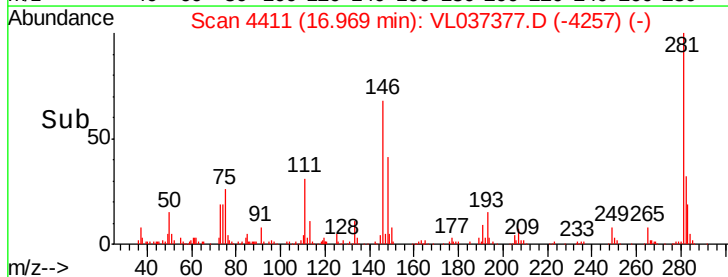
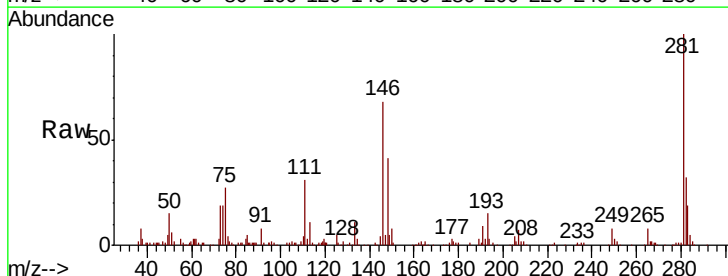
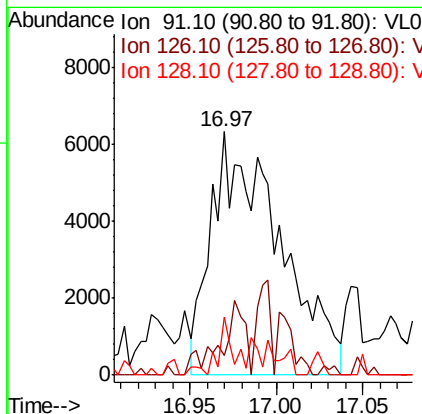
RT: 16.97 min Scan# 4411

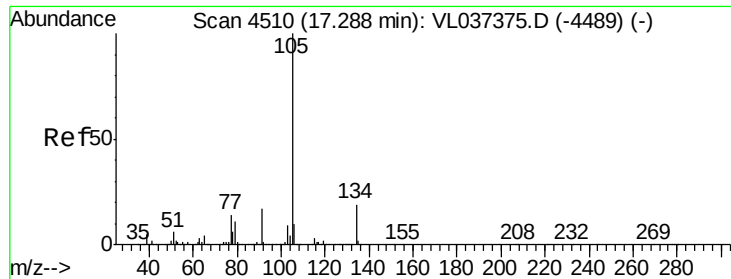
Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Tgt Ion:	91	Resp:	17434
Ion Ratio	Lower	Upper	
91	100		
126	0.0	13.4	20.0#
128	7.4	5.6	8.4





#67

sec-Butylbenzene

Concen: 1.028 ppbv

RT: 17.28 min Scan# 4508

Delta R.T. -0.01 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 105 Resp: 688833

Ion Ratio Lower Upper

105 100

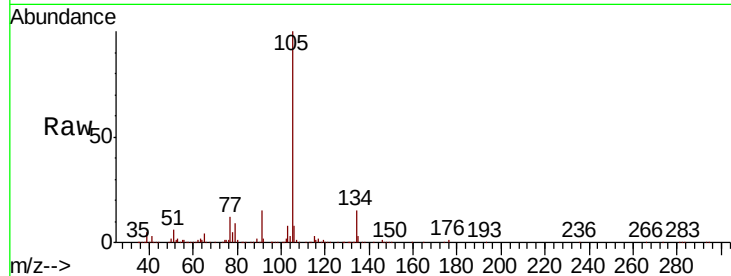
134 18.0 14.7 22.1

Manual Integrations

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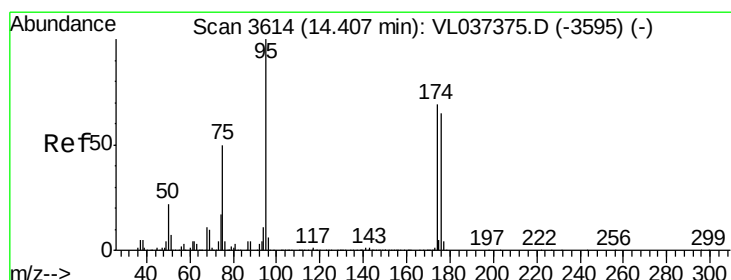
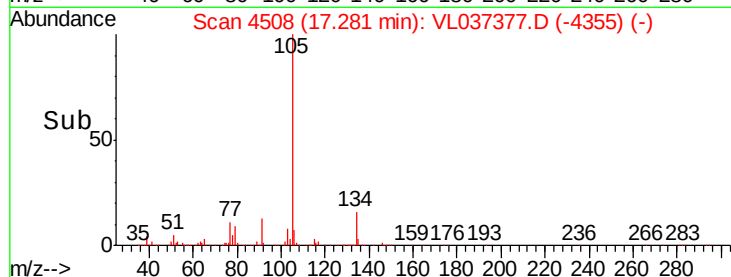
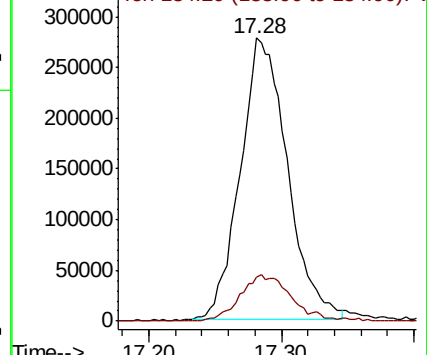
apatel

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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: 9.778 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

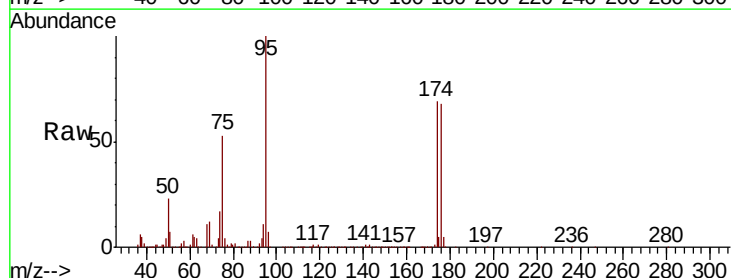
Tgt Ion: 95 Resp: 2632395

Ion Ratio Lower Upper

95 100

174 71.2 58.3 87.5

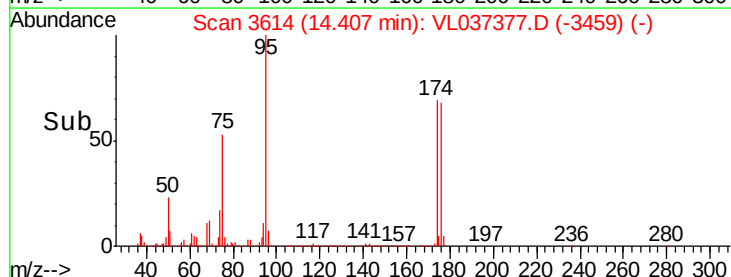
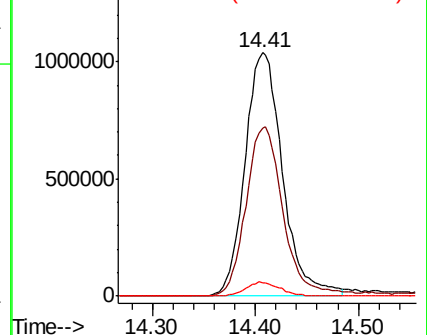
175 5.5 4.3 6.5

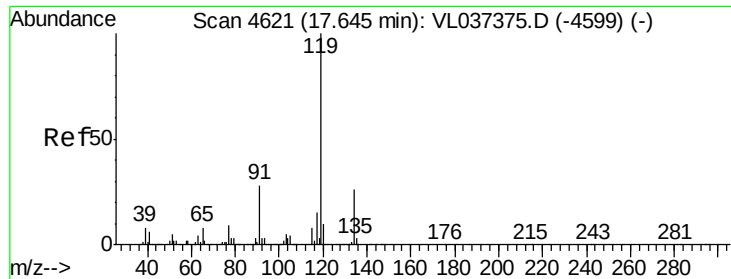


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





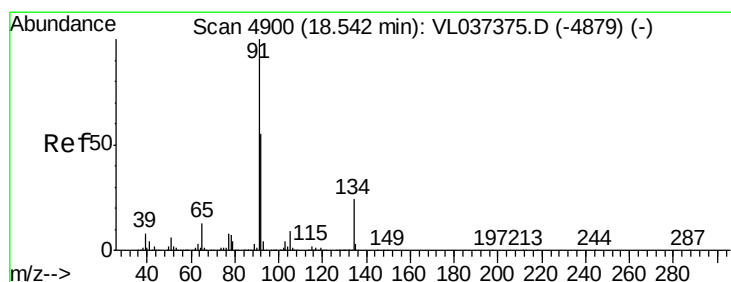
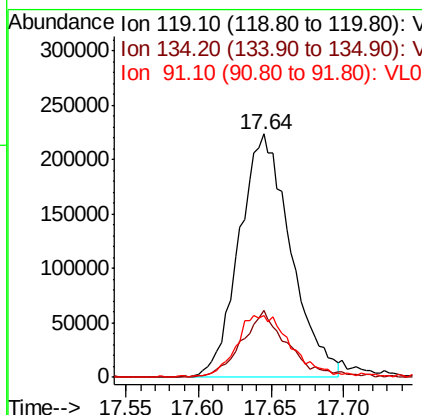
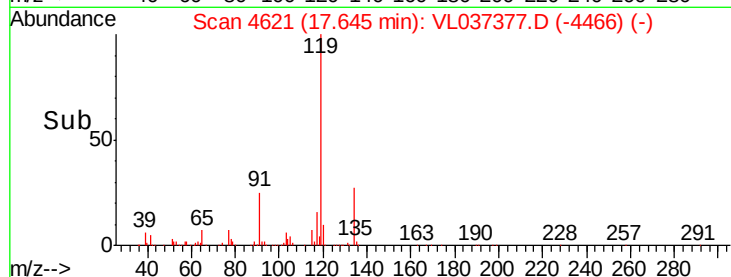
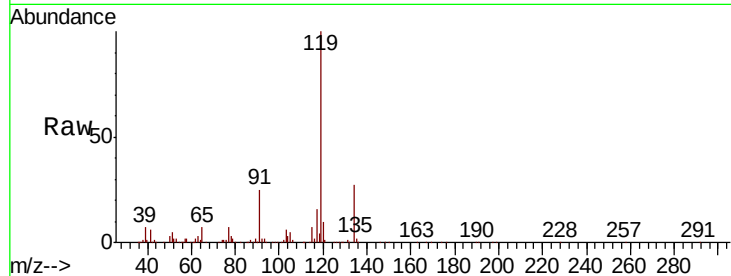
#69
 p-Isopropyltoluene
 Concen: 0.973 ppbv
 RT: 17.64 min Scan# 4621
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	546225		
134	25.1	20.5	30.7	
91	28.7	22.6	34.0	

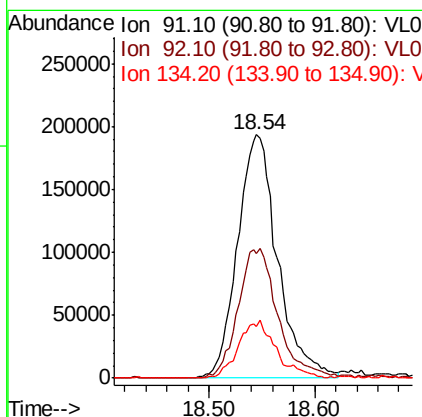
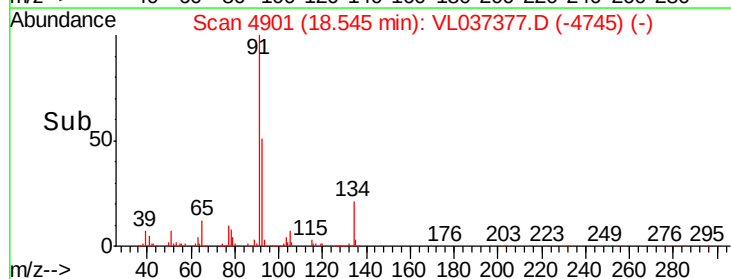
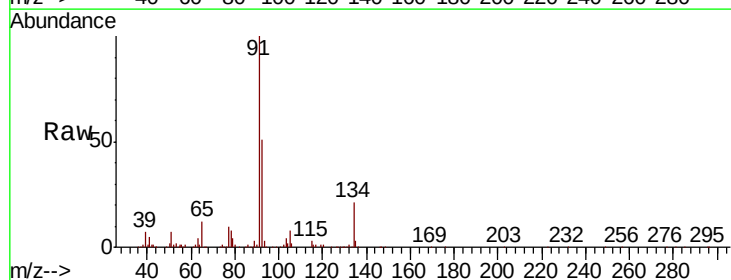
Manual Integrations
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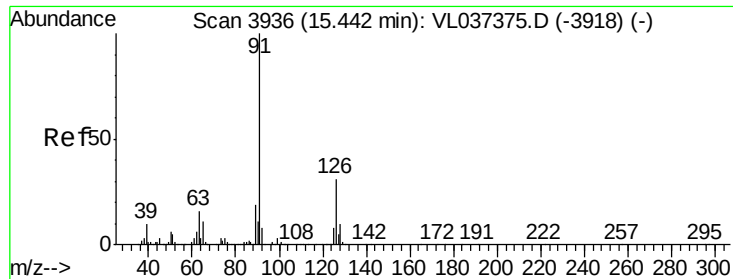
apatel
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#70
 n-Butylbenzene
 Concen: 0.974 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T. 0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	509677		
92	53.3	43.7	65.5	
134	22.5	19.4	29.0	





#71

2-Chlorotoluene

Concen: 1.043 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. 0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 410807

Ion Ratio Lower Upper

91 100

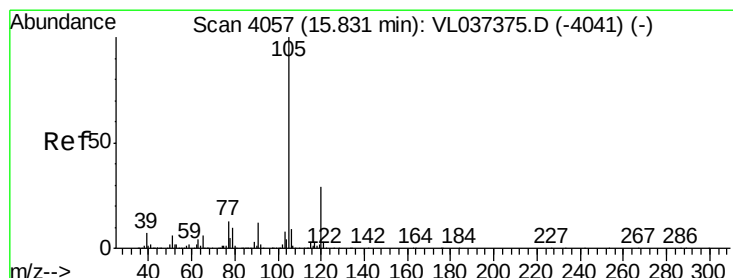
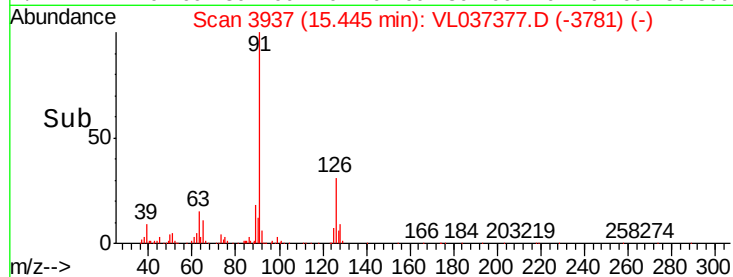
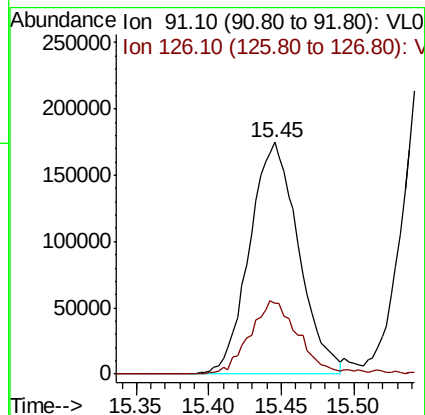
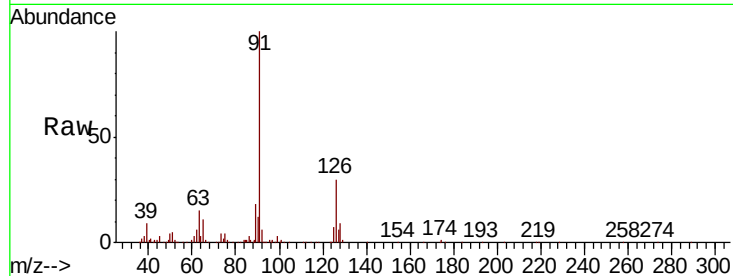
126 31.7 13.3 53.3

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#72

4-Ethyltoluene

Concen: 0.989 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. -0.00 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Tgt Ion: 105 Resp: 445138

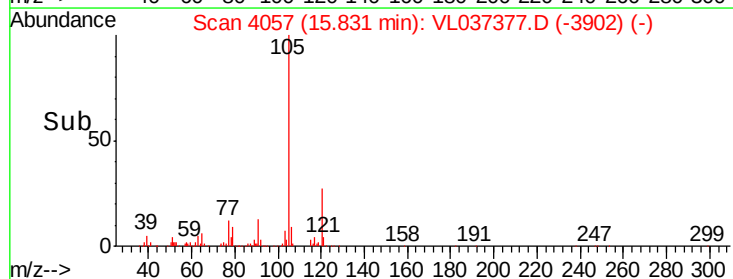
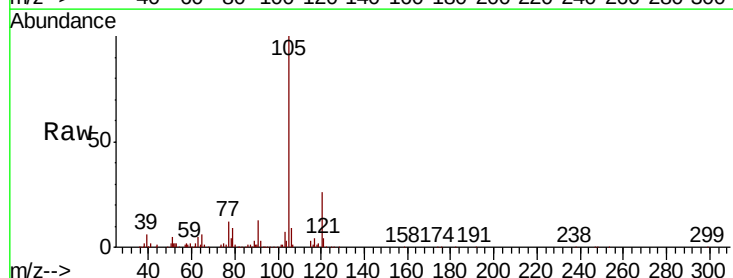
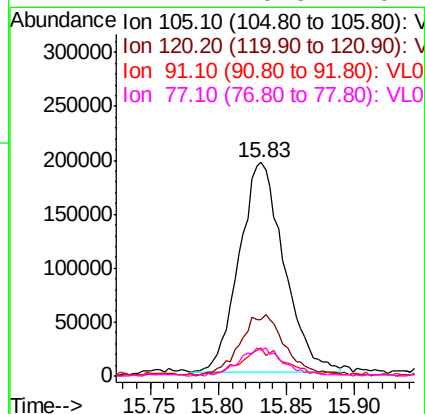
Ion Ratio Lower Upper

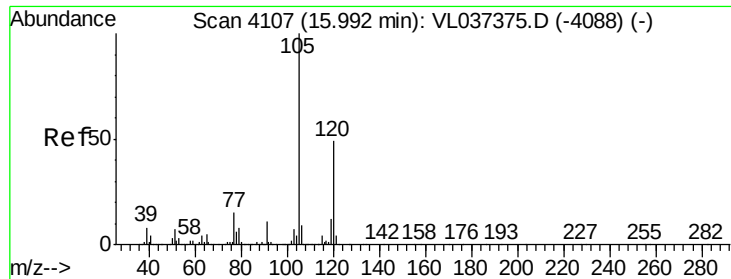
105 100

120 31.8 24.6 36.8

91 11.6 9.8 14.6

77 14.2 10.8 16.2





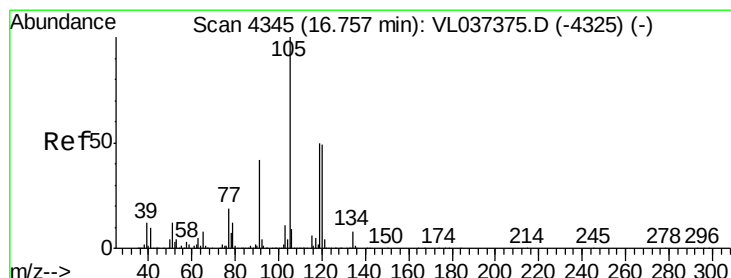
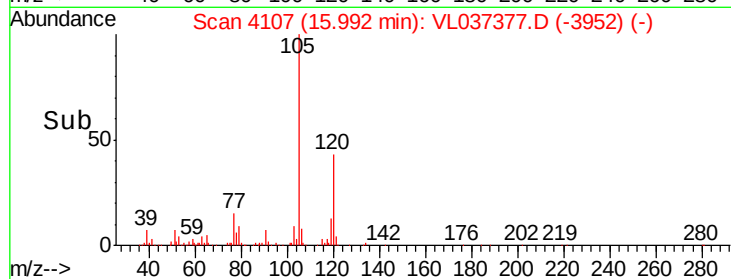
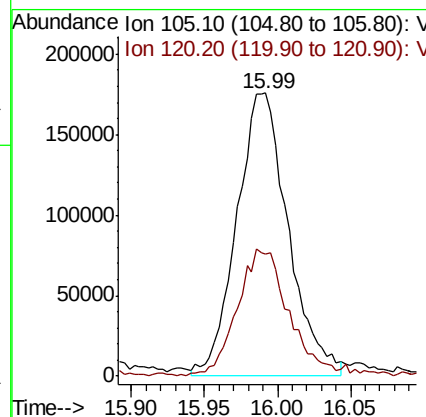
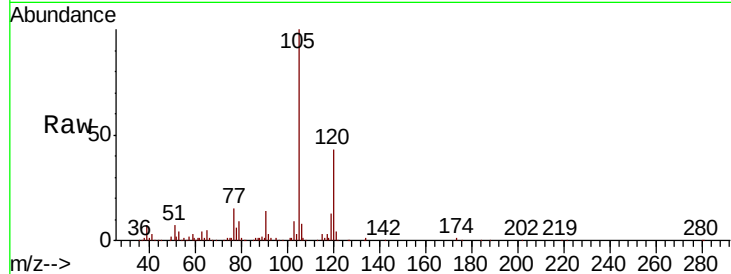
#73
 1,3,5-Trimethylbenzene
 Concen: 0.995 ppbv m
 RT: 15.99 min Scan# 4107
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
105	100	432361		
120	43.0	38.9	58.3	

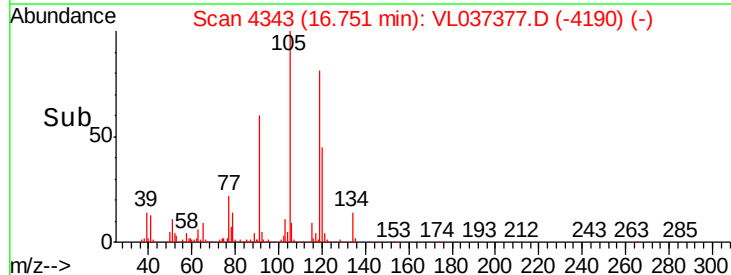
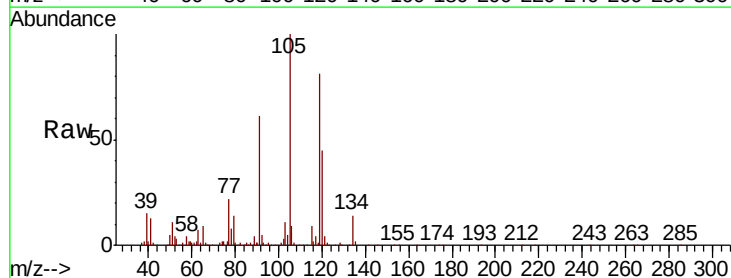
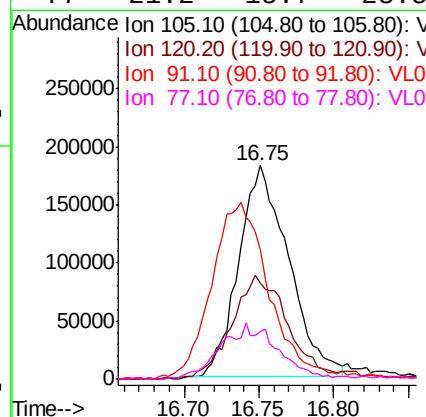
Manual Integrations
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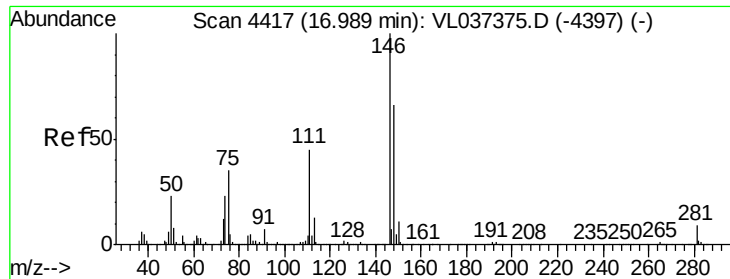
apatel
 8/12/2021 10:16:37 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.949 ppbv
 RT: 16.75 min Scan# 4343
 Delta R.T. -0.01 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	424126		
120	43.8	39.0	58.4	
91	58.0	34.4	51.6	
77	21.2	15.7	23.5	





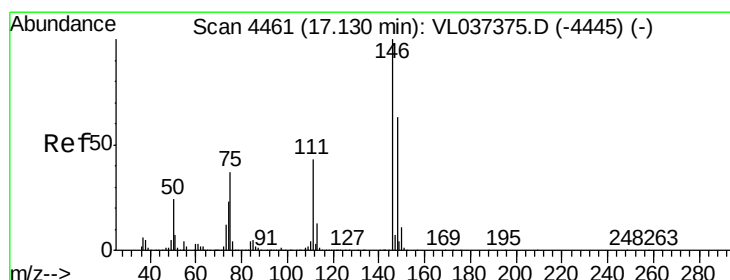
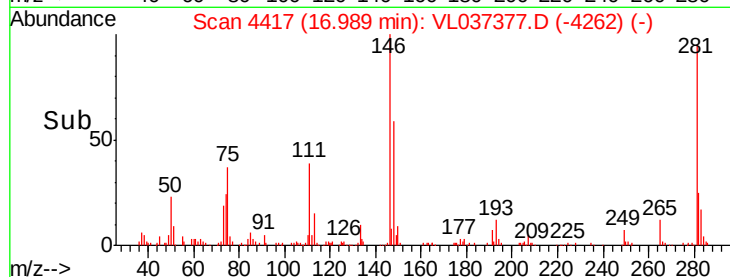
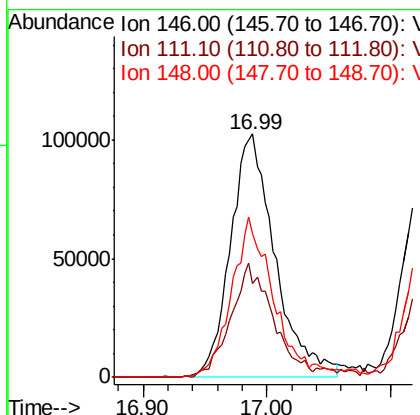
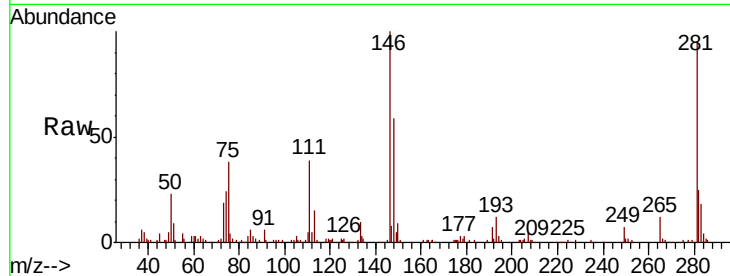
#75
 1,3-Dichlorobenzene
 Concen: 0.951 ppbv m
 RT: 16.99 min Scan# 4417
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
146	100	258414		
111	46.5	22.9	68.7	
148	63.0	31.8	95.3	

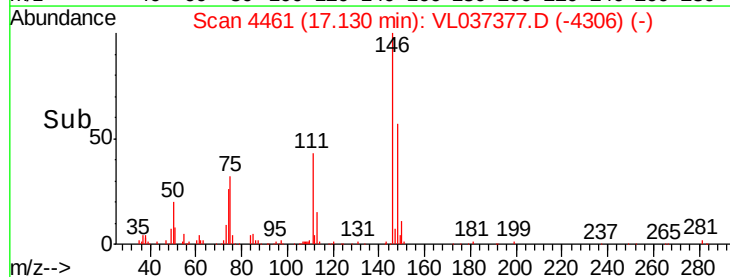
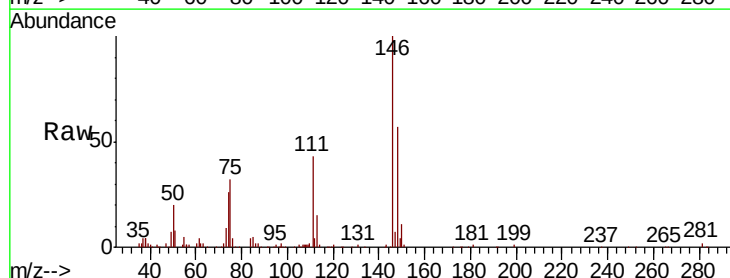
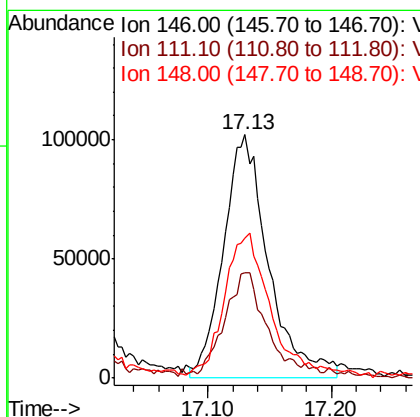
Manual Integrations
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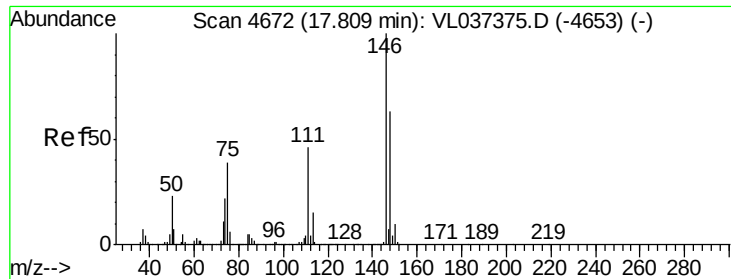
apatel
 8/12/2021 10:16:37 AM



#76
 1,4-Dichlorobenzene
 Concen: 0.949 ppbv m
 RT: 17.13 min Scan# 4461
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	257815		
111	42.8	23.3	69.9	
148	62.7	32.9	98.7	





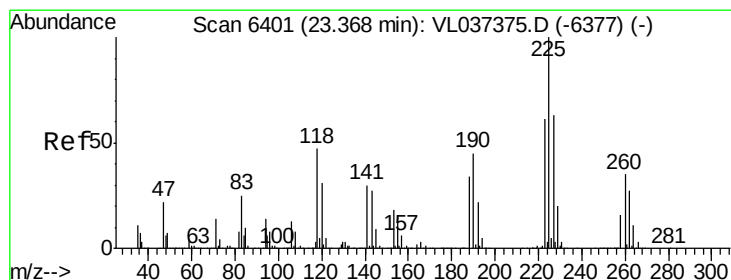
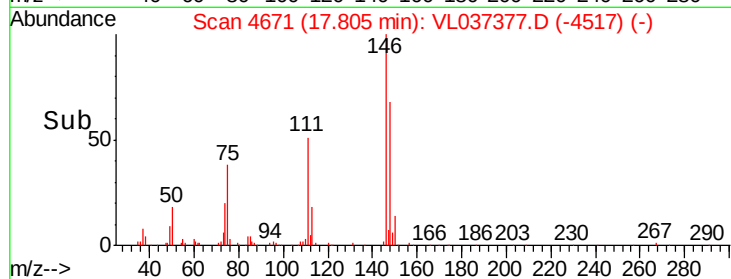
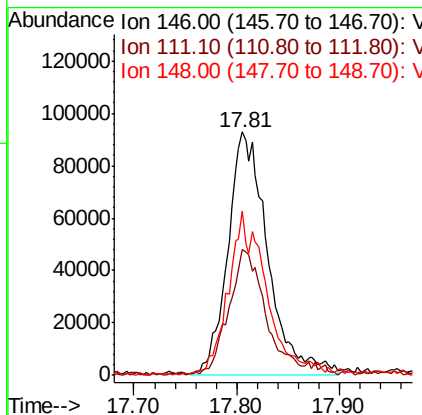
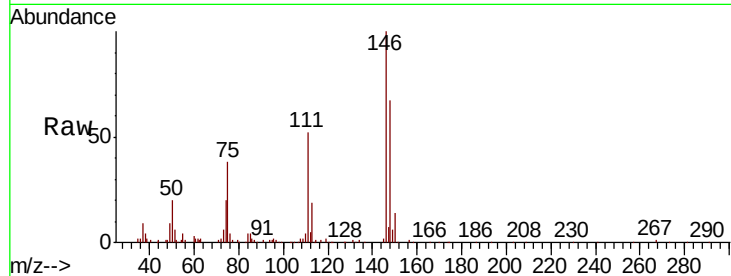
#77
 1,2-Dichlorobenzene
 Concen: 0.954 ppbv m
 RT: 17.81 min Scan# 4671
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.8	23.4	70.2
148	64.2	32.3	96.9

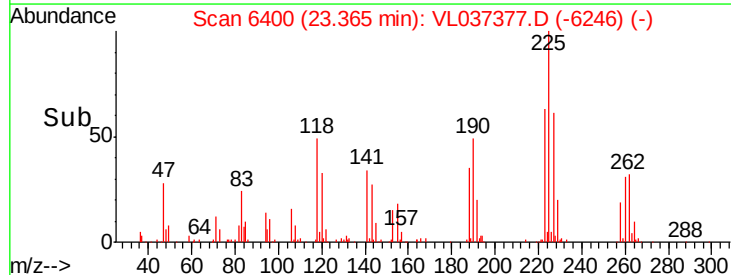
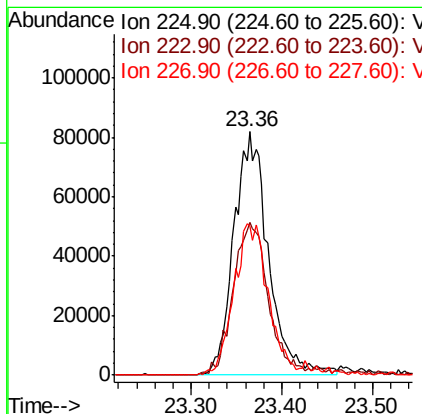
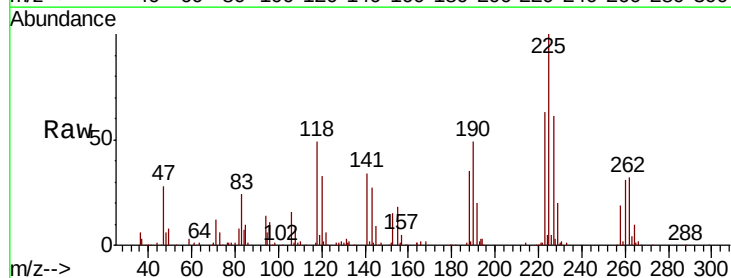
Manual Integrations
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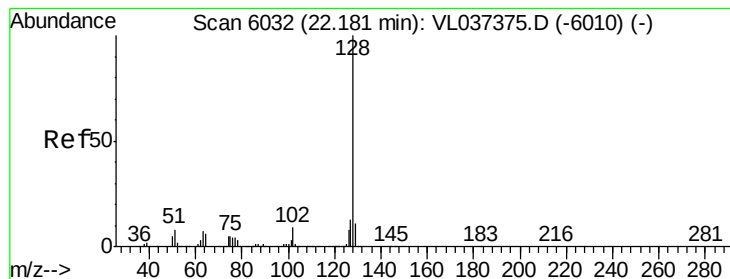
apatel
 8/12/2021 10:16:37 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.962 ppbv m
 RT: 23.36 min Scan# 6400
 Delta R.T. -0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.8	77.8#
227	0.0	52.3	78.5#





#79

Naphthalene

Concen: 0.491 ppbv m

RT: 22.19 min Scan# 6036

Delta R.T. 0.01 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:128 Resp: 174626

Ion Ratio Lower Upper

128 100

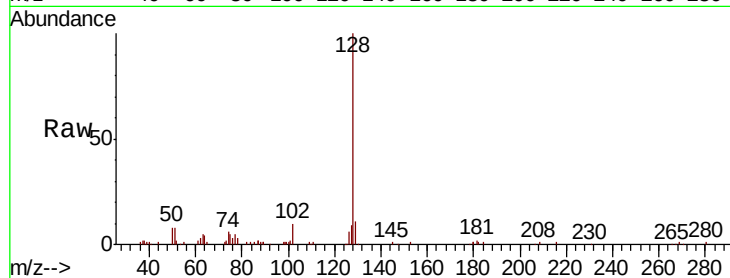
127 9.2 10.6 15.8#

129 11.2 9.0 13.4

Manual Integrations
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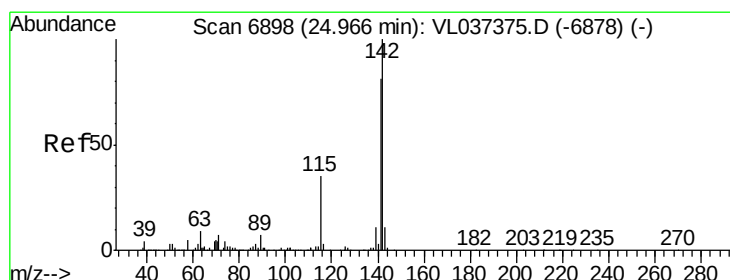
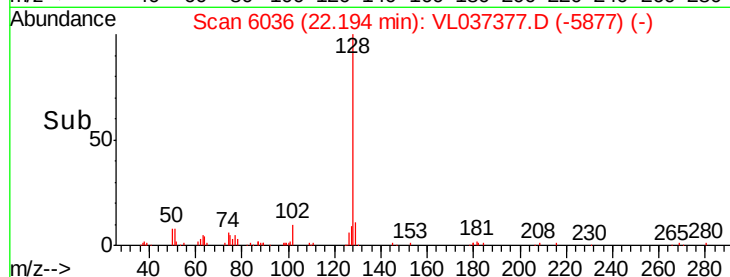
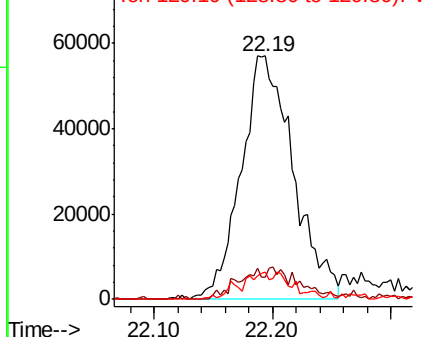
8/12/2021 10:16:37 AM



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: 0.217 ppbv m

RT: 24.99 min Scan# 6905

Delta R.T. 0.02 min

Lab File: VL037377.D

Acq: 11 Aug 2021 3:43

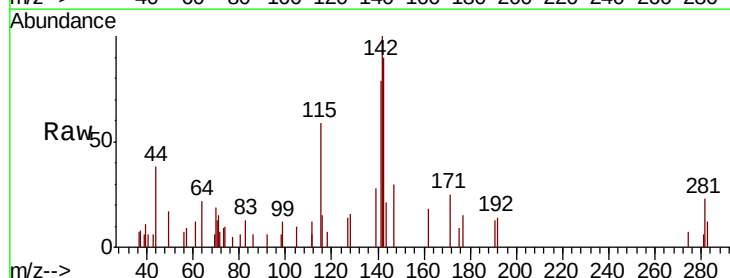
Tgt Ion:142 Resp: 18487

Ion Ratio Lower Upper

142 100

141 11.9 73.3 109.9#

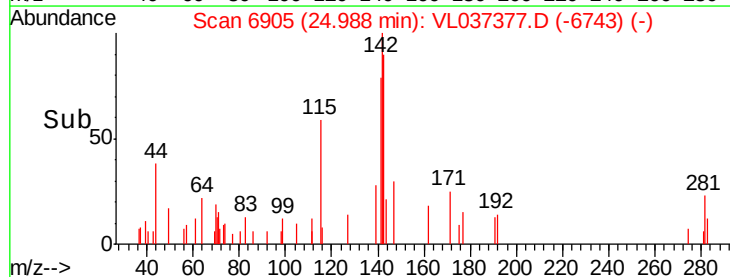
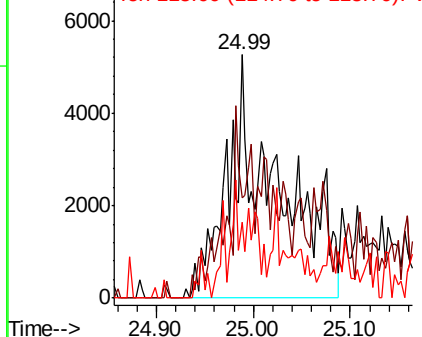
115 7.2 31.2 46.8#

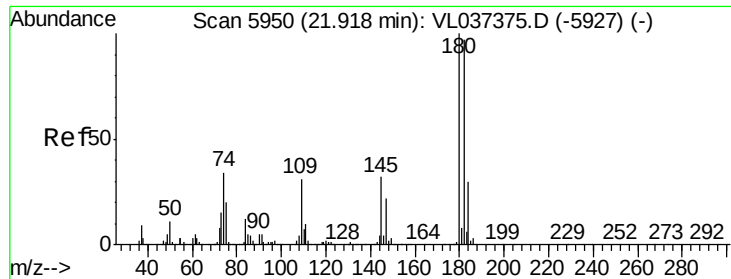


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.624 ppbv m
 RT: 21.92 min Scan# 5951
 Delta R.T. 0.00 min
 Lab File: VL037377.D
 Acq: 11 Aug 2021 3:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	130790		
182	95.5	76.9	115.3	
184	0.0	24.6	36.8	

Manual Integrations
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 8/12/2021 10:16:37 AM

