

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081121\
 Data File : VL037378.D
 Acq On : 11 Aug 2021 4:22
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
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apatel
 8/12/2021 10:16:41 AM

Quant Time: Aug 11 08:54:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 11 08:54:48 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	1229337	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3816850	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3343354	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2518301	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	137916	0.658	ppbv	93
3) Chlorodifluoromethane	2.99	51	130681	0.551	ppbv	95
4) Chloromethane	3.14	50	46951m	0.589	ppbv	
5) Vinyl Chloride	3.26	62	42510	0.487	ppbv	99
6) Bromomethane	3.48	94	26434m	0.520	ppbv	
7) Chloroethane	3.56	64	17384m	0.555	ppbv	
8) Dichlorotetrafluoroethane	3.19	85	105516	0.489	ppbv	94
9) Propene	3.01	41	46625m	0.610	ppbv	
10) Heptane	8.12	43	93406	0.502	ppbv	94
11) Trichlorofluoromethane	3.95	101	101724m	0.461	ppbv	
12) 1,1,2-Trichlorotrifluoroet	4.48	101	74695m	0.483	ppbv	
13) Ethanol	3.63	45	5373m	0.461	ppbv	
14) Bromoethene	3.74	108	33601m	0.510	ppbv	
15) Acetone	3.87	43	65326	0.477	ppbv #	42
16) 1,3-Butadiene	3.33	39	45511m	0.559	ppbv	
17) tert-Butyl alcohol	4.33	59	55816m	0.454	ppbv	
18) 1,1-Dichloroethene	4.29	96	32988m	0.479	ppbv	
19) Isopropyl Alcohol	4.00	45	39664m	0.490	ppbv	
20) Methylene Chloride	4.35	84	40225	0.493	ppbv	88
21) Allyl Chloride	4.41	41	51729m	0.504	ppbv	
22) trans-1,2-Dichloroethene	4.88	96	30022m	0.441	ppbv	
23) Vinyl Acetate	5.08	43	87507	0.441	ppbv #	89
24) 1,1-Dichloroethane	5.01	63	77158	0.490	ppbv #	97
25) Ethyl Acetate	5.69	43	165075m	0.548	ppbv	
26) Hexane	5.68	57	85034m	0.560	ppbv	
27) Carbon Disulfide	4.55	76	58156m	0.404	ppbv	
28) Methyl tert-Butyl Ether	5.05	73	82031m	0.459	ppbv	
29) Chloroform	5.75	83	122202m	0.528	ppbv	
30) Cyclohexane	7.12	84	70597m	0.559	ppbv	
31) cis-1,2-Dichloroethene	5.54	61	71505m	0.514	ppbv	
32) 1,1,1-Trichloroethane	6.50	97	106141m	0.431	ppbv	
34) 2-Butanone	5.26	43	80991m	0.552	ppbv	
35) Carbon Tetrachloride	7.02	117	106846m	0.428	ppbv	
36) Benzene	6.89	78	157078	0.510	ppbv	98
37) 1,2-Dichloroethane	6.30	62	81792m	0.468	ppbv	
38) Trichloroethene	7.83	130	63205	0.435	ppbv #	85
39) 1,2-Dichloropropane	7.61	63	50112	0.440	ppbv	93
40) 1,4-Dioxane	7.88	88	18043m	0.575	ppbv	
41) Tetrahydrofuran	6.07	42	35293m	0.515	ppbv	
42) Bromodichloromethane	7.79	83	107416m	0.446	ppbv	
43) Methyl Methacrylate	8.02	69	53316m	0.503	ppbv	

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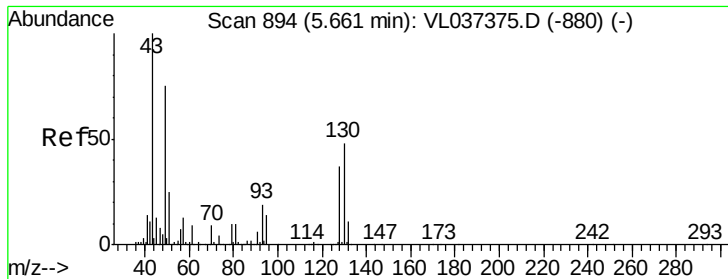
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 11 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	255802	0.492	ppbv	95
45) t-1,3-Dichloropropene	9.28	75	31731m	0.352	ppbv	
46) cis-1,3-Dichloropropene	8.70	75	46429m	0.375	ppbv	
47) 1,1,2-Trichloroethane	9.47	97	65031m	0.501	ppbv	
48) Dibromochloromethane	10.29	129	81073	0.404	ppbv	98
49) Bromoform	13.03	173	60993m	0.408	ppbv	
50) 4-Methyl-2-Pentanone	8.77	43	92282m	0.459	ppbv	
51) 2-Hexanone	10.17	43	36138m	0.375	ppbv	
52) Tetrachloroethene	11.22	164	61362m	0.434	ppbv	
53) Toluene	9.79	91	177690m	0.484	ppbv	
54) 1,2-Dibromoethane	10.60	107	89896m	0.483	ppbv	
56) 1,1,1,2-Tetrachloroethane	12.12	131	67582	0.474	ppbv #	1
57) Chlorobenzene	12.14	112	142359m	0.529	ppbv	
58) Ethyl Benzene	12.70	91	231623m	0.505	ppbv	
59) m/p-Xylene	12.98	91	417260m	1.072	ppbv	
60) o-Xylene	13.68	91	188936	0.512	ppbv	100
61) Styrene	13.53	104	83692m	0.443	ppbv	
62) Isopropylbenzene	14.66	105	265643	0.505	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	139521m	0.559	ppbv	
64) n-propylbenzene	15.55	120	64012m	0.490	ppbv	
65) tert-Butylbenzene	16.74	119	246276	0.529	ppbv	98
66) Benzyl Chloride	16.98	91	8006m	0.390	ppbv	
67) sec-Butylbenzene	17.29	105	336526m	0.536	ppbv	
69) p-Isopropyltoluene	17.65	119	254435	0.484	ppbv	99
70) n-Butylbenzene	18.54	91	224418	0.458	ppbv	99
71) 2-Chlorotoluene	15.45	91	188577	0.511	ppbv	99
72) 4-Ethyltoluene	15.83	105	212530m	0.504	ppbv	
73) 1,3,5-Trimethylbenzene	15.99	105	201208m	0.495	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	201046	0.481	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	128137m	0.504	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	121243m	0.477	ppbv	
77) 1,2-Dichlorobenzene	17.81	146	119682m	0.486	ppbv	
78) Hexachloro-1,3-Butadiene	23.36	225	104597m	0.497	ppbv	
79) Naphthalene	22.20	128	75577m	0.227	ppbv	
80) Naphthalene, 2-methyl-	25.01	142	9488m	0.119	ppbv	
81) 1,2,4-Trichlorobenzene	21.92	180	65134m	0.332	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL037378.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1229337

Ion Ratio Lower Upper

49 100

128 55.7 28.1 84.2

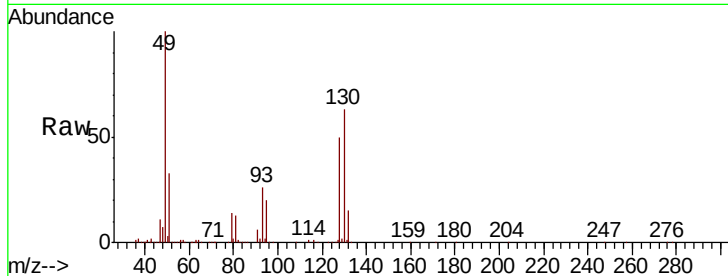
130 72.2 34.6 103.8

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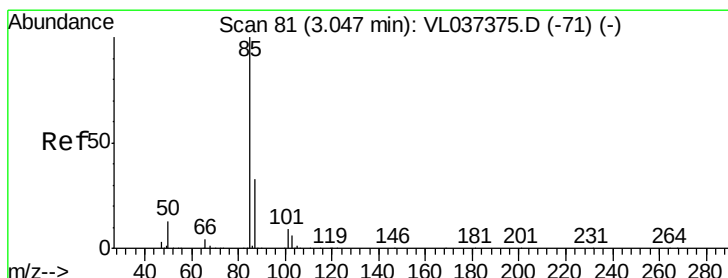
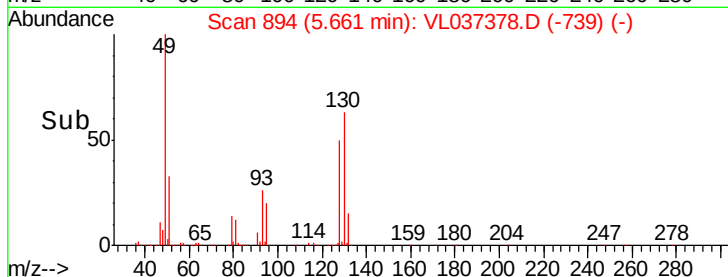
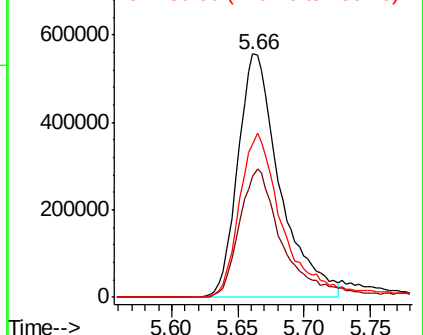
8/12/2021 10:16:41 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.658 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037378.D

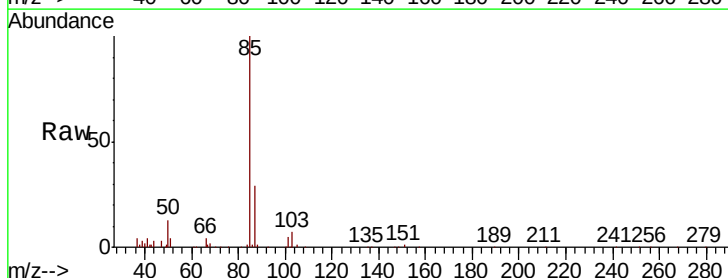
Acq: 11 Aug 2021 4:22

Tgt Ion: 85 Resp: 137916

Ion Ratio Lower Upper

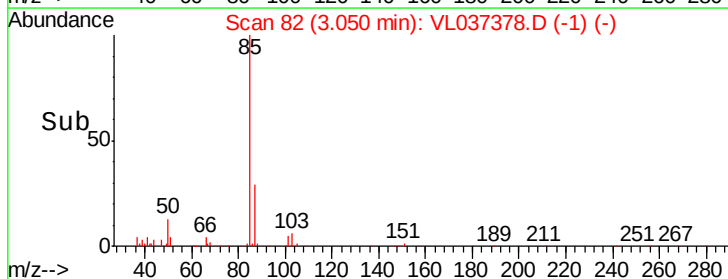
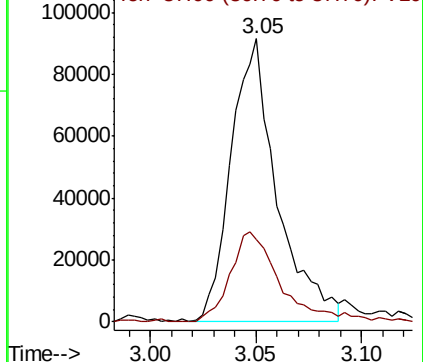
85 100

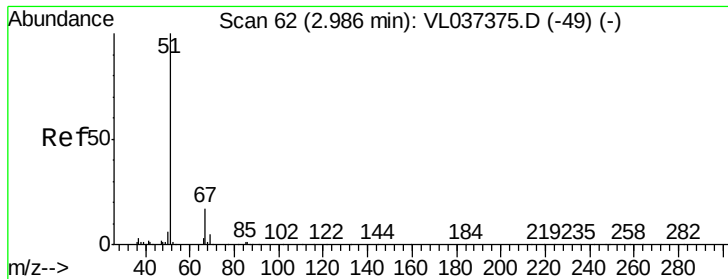
87 29.4 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





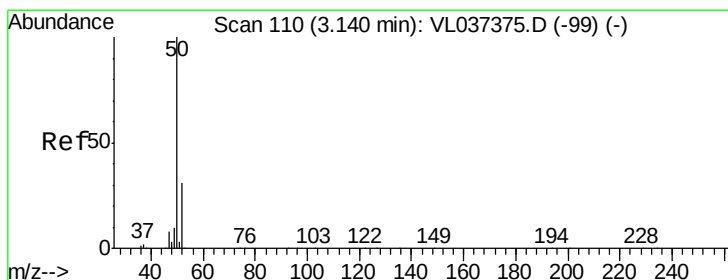
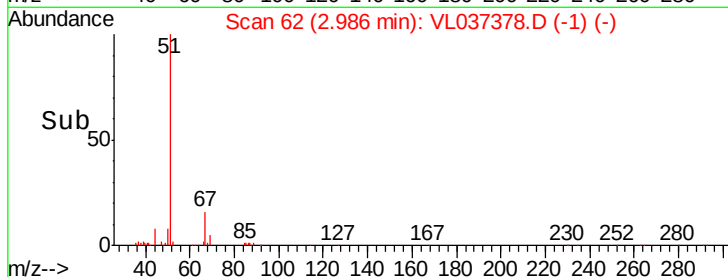
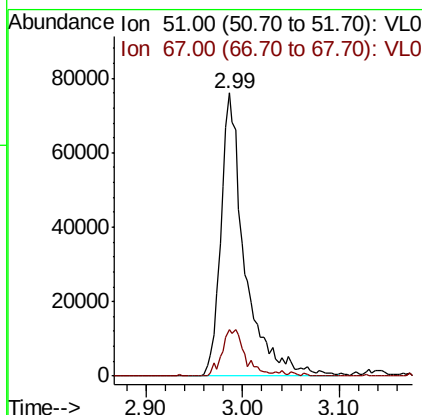
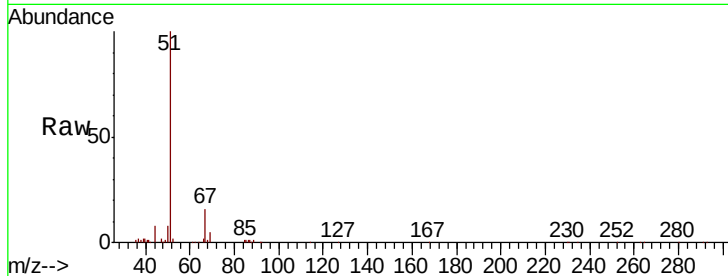
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Chlorodifluoromethane
Concen: 0.551 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
51	100		
67	15.8	14.3	21.5

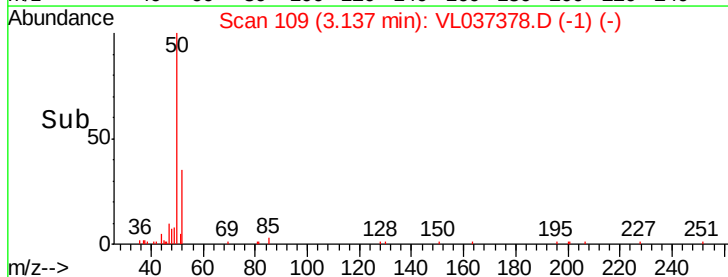
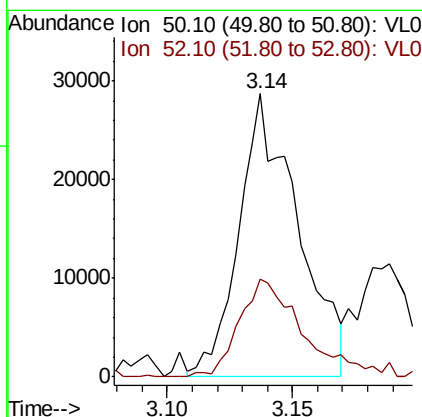
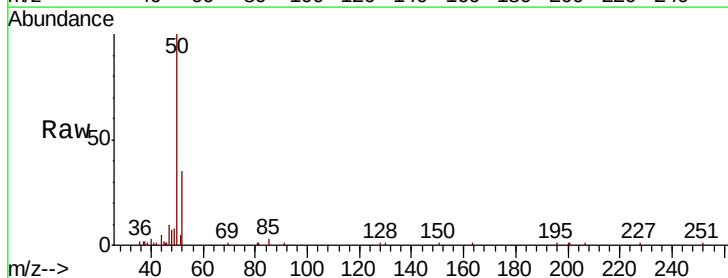
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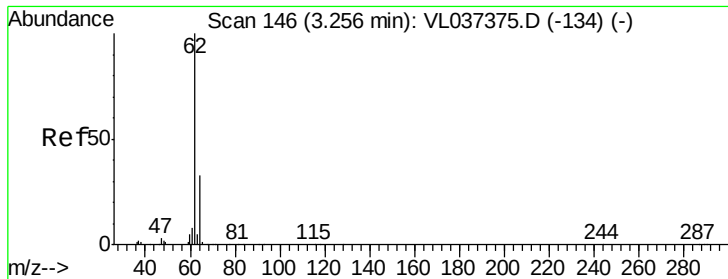
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#4
Chloromethane
Concen: 0.589 ppbv m
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
50	100		
52	34.6	25.0	37.4





#5

Vinyl Chloride

Concen: 0.487 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 42510

Ion Ratio Lower Upper

62 100

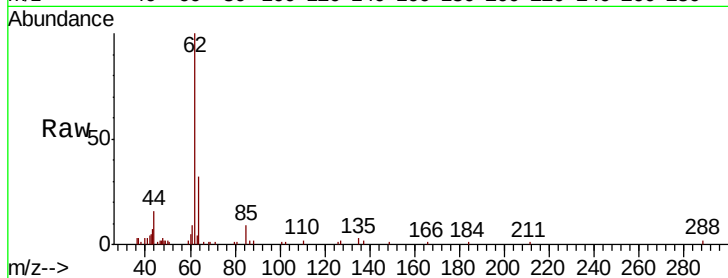
64 32.2 26.2 39.4

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

30000

25000

20000

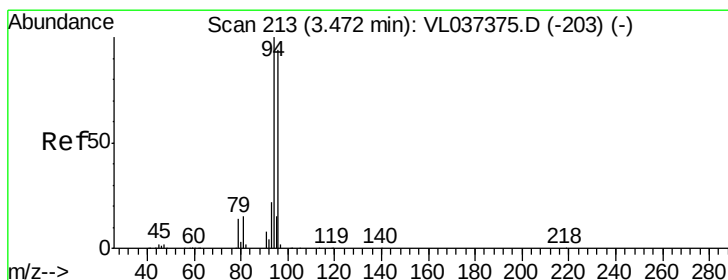
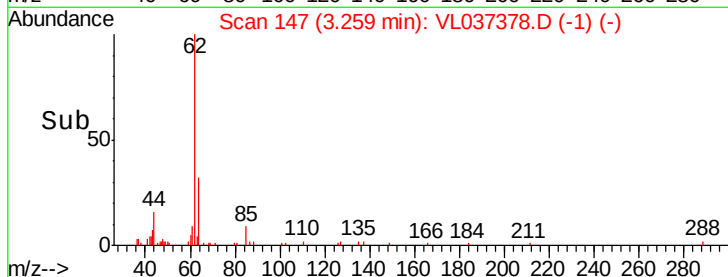
15000

10000

5000

0

Time--> 3.20 3.25 3.30



#6

Bromomethane

Concen: 0.520 ppbv m

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037378.D

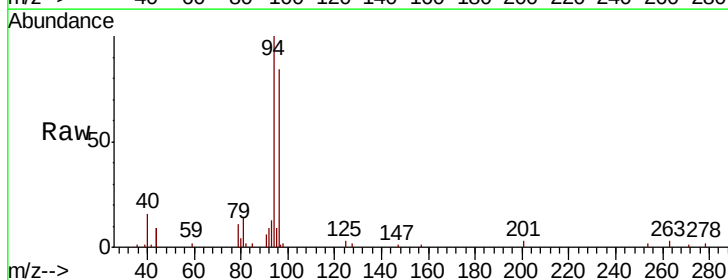
Acq: 11 Aug 2021 4:22

Tgt Ion: 94 Resp: 26434

Ion Ratio Lower Upper

94 100

96 84.3 75.0 112.6



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

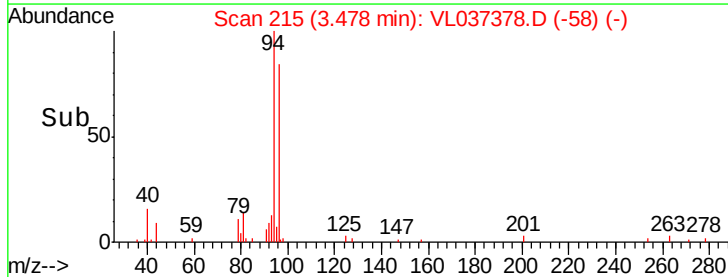
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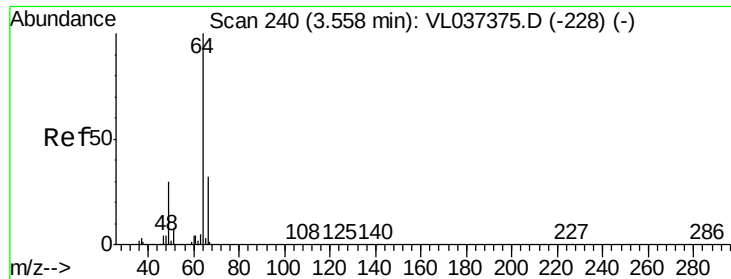
10000

5000

0

Time--> 3.40 3.45 3.50 3.55





#7

Chloroethane

Concen: 0.555 ppbv m

RT: 3.56 min Scan# 242

Delta R.T. 0.01 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 17384

Ion Ratio Lower Upper

64 100

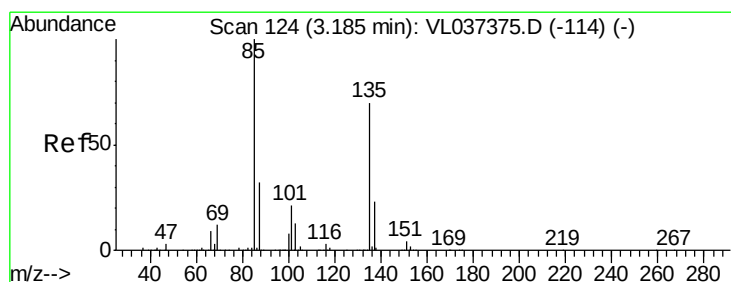
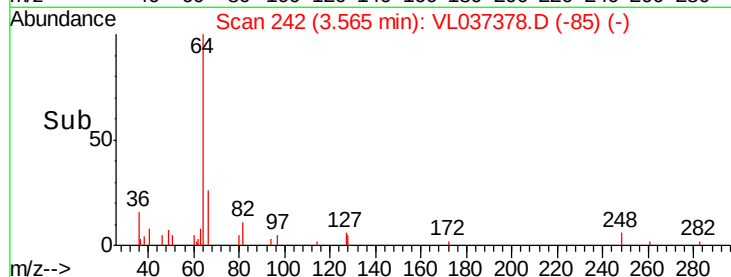
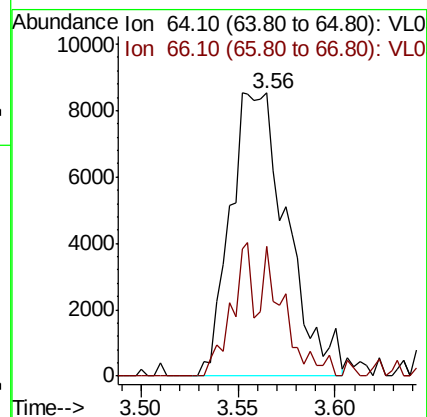
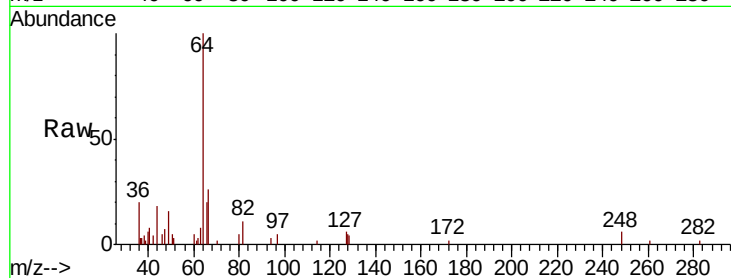
66 25.8 25.4 38.0

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#8

Dichlorotetrafluoroethane

Concen: 0.489 ppbv

RT: 3.19 min Scan# 124

Delta R.T. -0.00 min

Lab File: VL037378.D

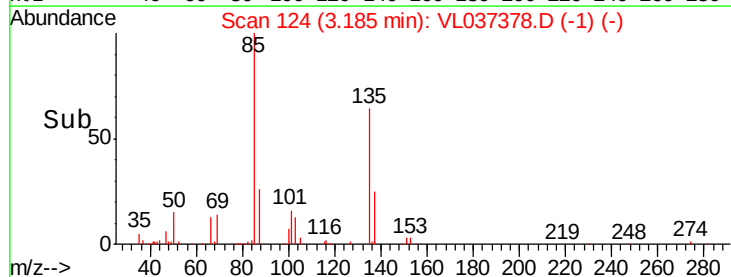
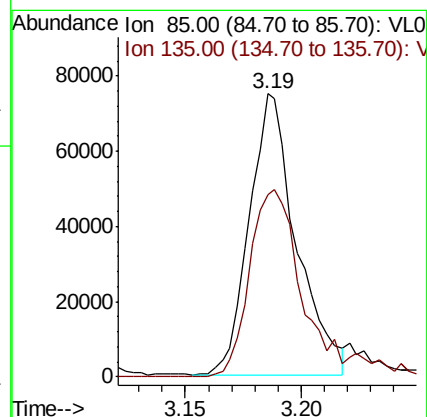
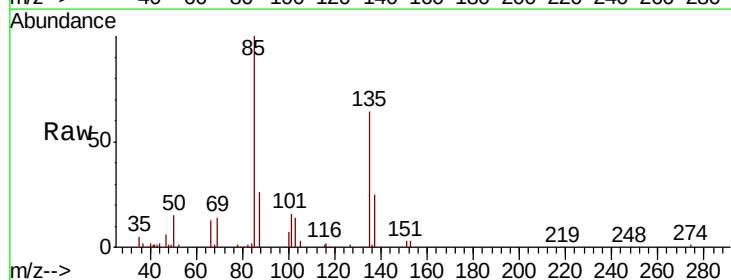
Acq: 11 Aug 2021 4:22

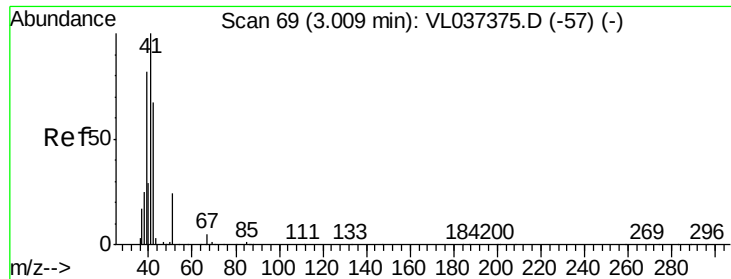
Tgt Ion: 85 Resp: 105516

Ion Ratio Lower Upper

85 100

135 80.2 59.8 89.6





#9

Propene

Concen: 0.610 ppbv m

RT: 3.01 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 46625

Ion Ratio Lower Upper

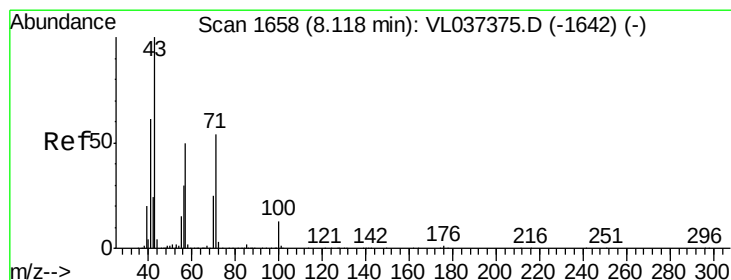
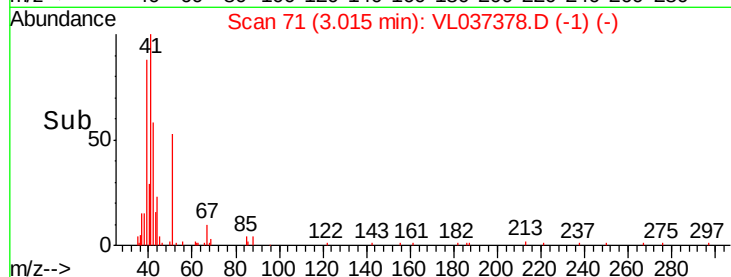
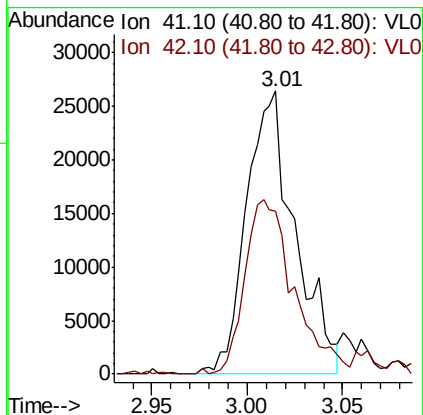
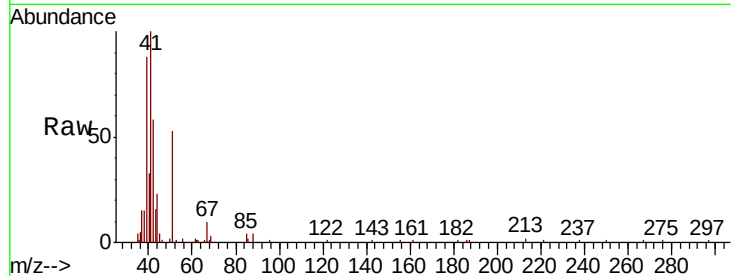
41 100

42 2.9 55.5 83.3#

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#10

Heptane

Concen: 0.502 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.00 min

Lab File: VL037378.D

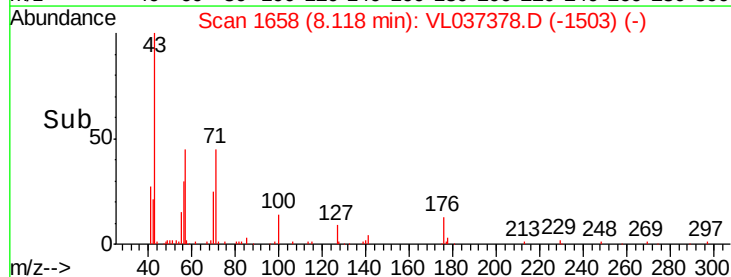
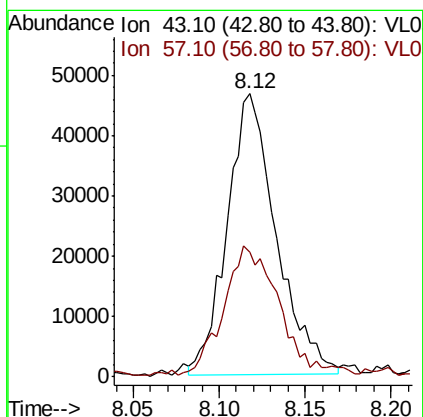
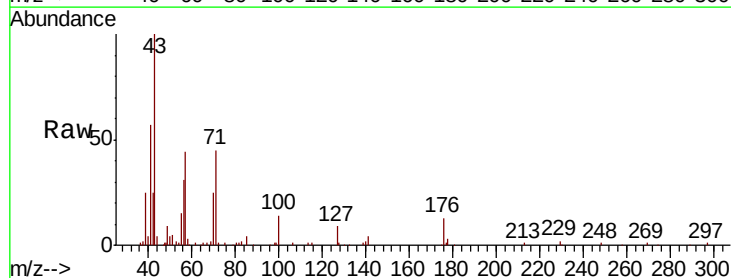
Acq: 11 Aug 2021 4:22

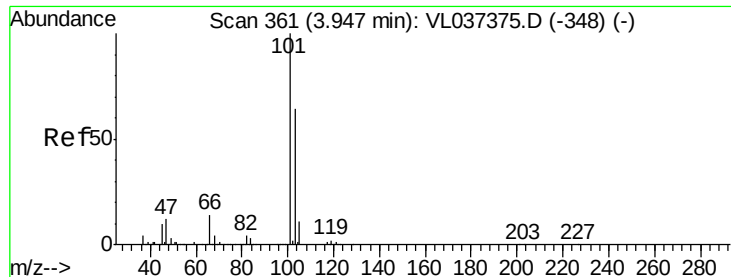
Tgt Ion: 43 Resp: 93406

Ion Ratio Lower Upper

43 100

57 55.6 41.0 61.4





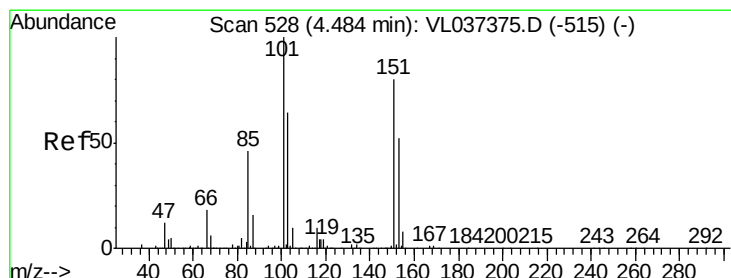
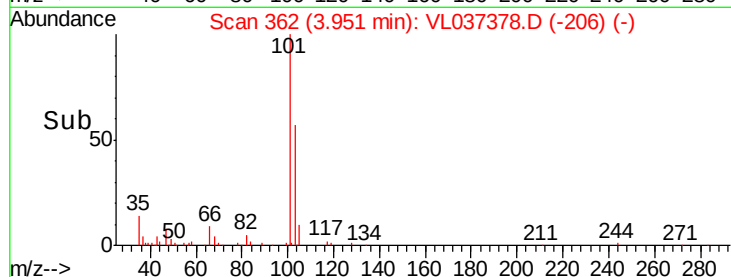
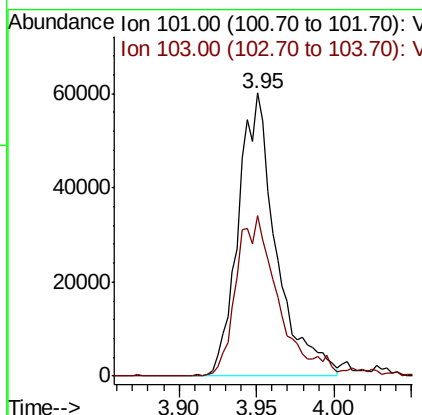
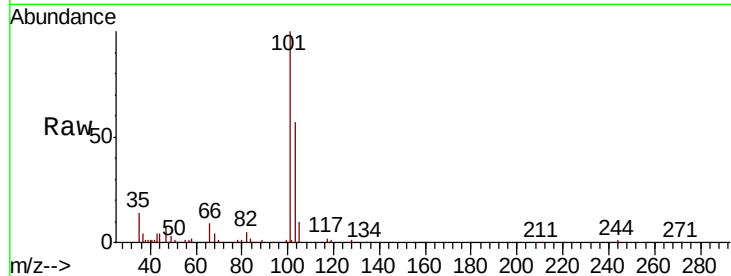
#11
 Trichlorofluoromethane
 Concen: 0.461 ppbv m
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	56.8	51.2	76.8

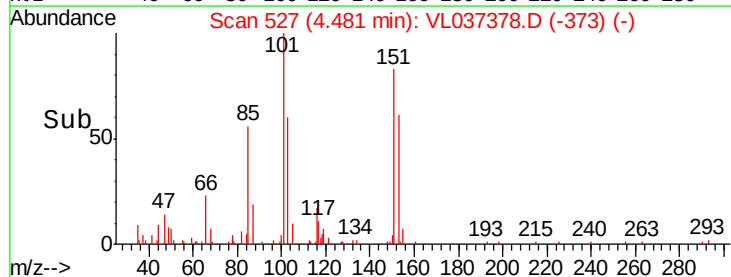
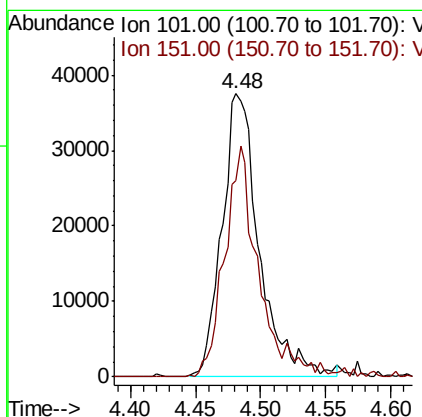
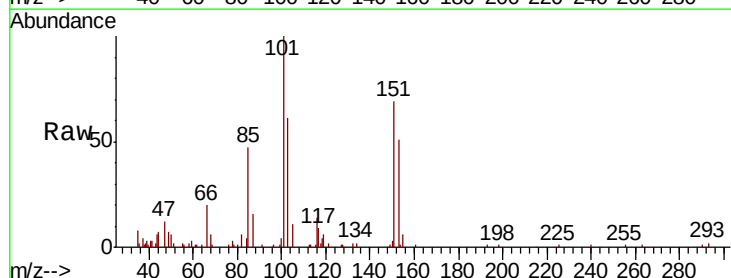
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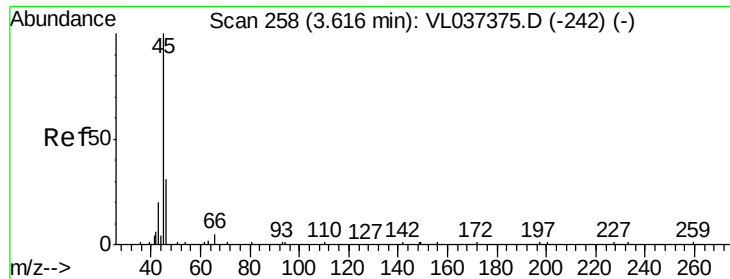
apatel
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.483 ppbv m
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
101	100		
151	75.5	64.9	97.3





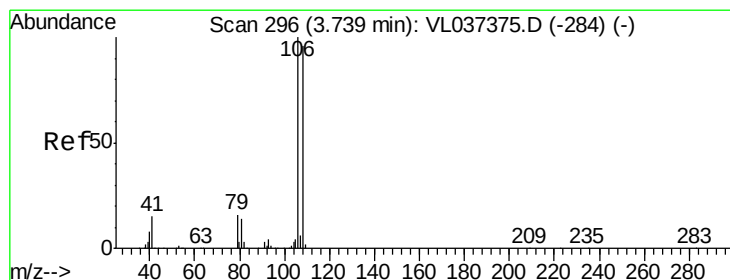
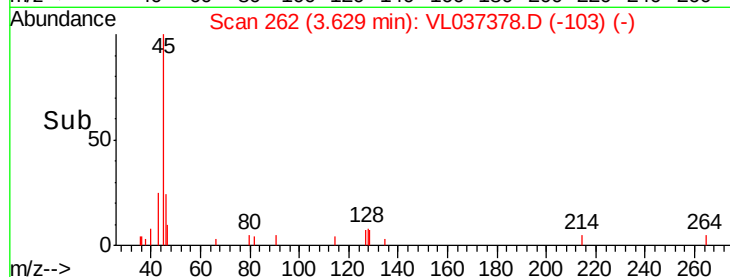
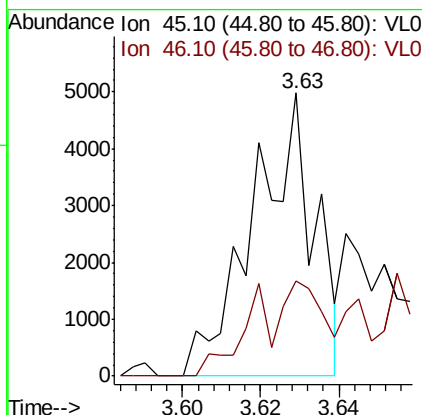
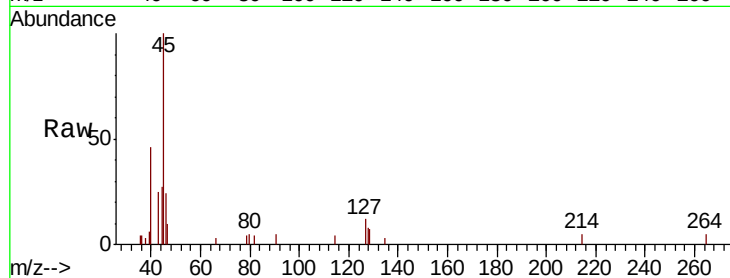
#13
Ethanol
Concen: 0.461 ppbv m
RT: 3.63 min Scan# 262
Delta R.T. 0.01 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 5373
Ion Ratio Lower Upper
45 100
46 0.0 14.8 59.2#

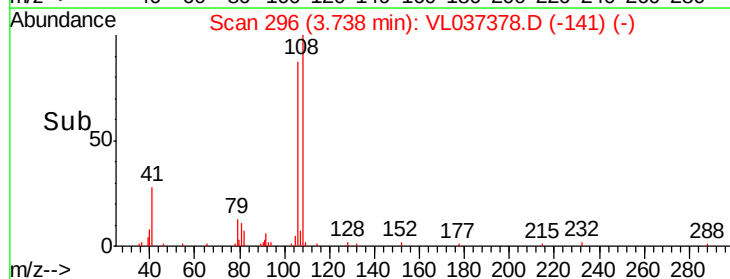
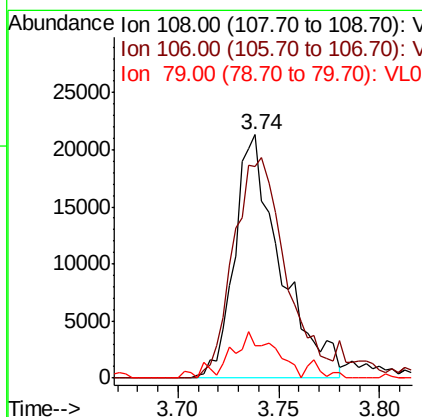
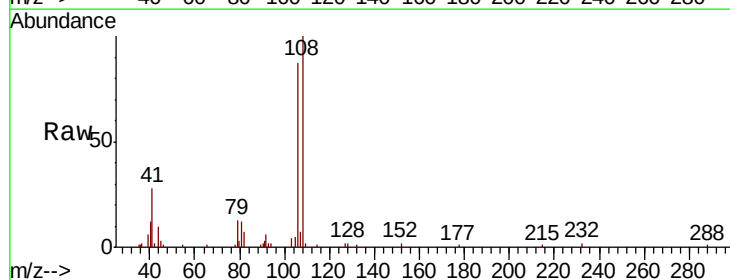
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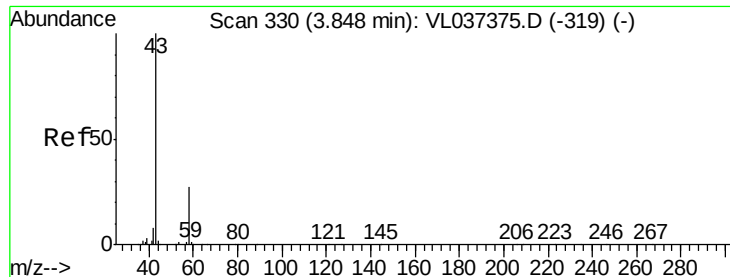
apatel
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#14
Bromoethene
Concen: 0.510 ppbv m
RT: 3.74 min Scan# 296
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion: 108 Resp: 33601
Ion Ratio Lower Upper
108 100
106 112.7 86.2 129.4
79 20.9 13.2 19.8#





#15

Acetone

Concen: 0.477 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 65326

Ion Ratio Lower Upper

43 100

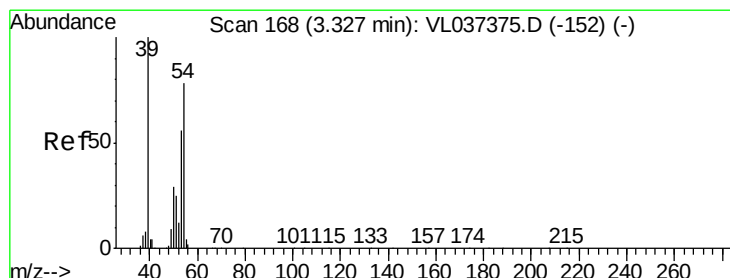
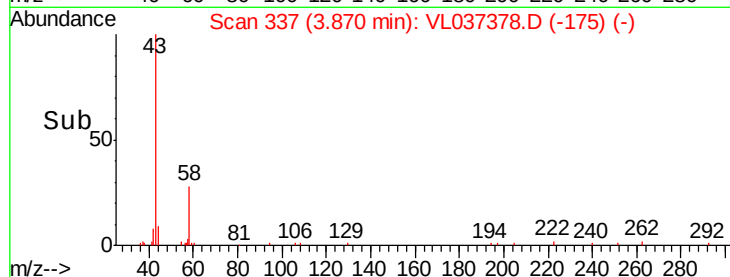
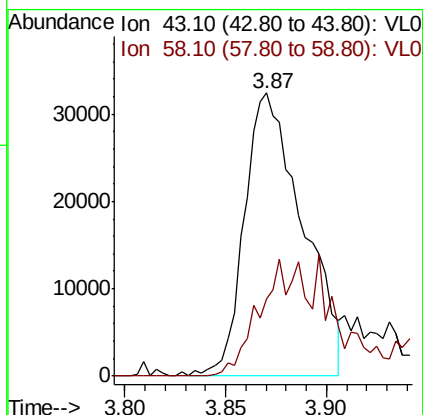
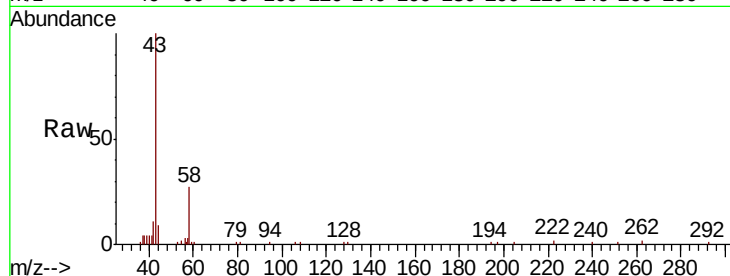
58 0.0 26.0 39.0#

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#16

1,3-Butadiene

Concen: 0.559 ppbv m

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL037378.D

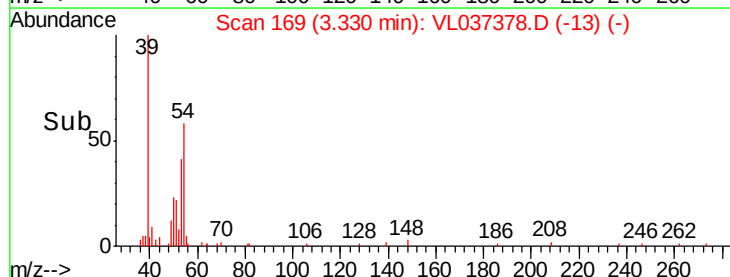
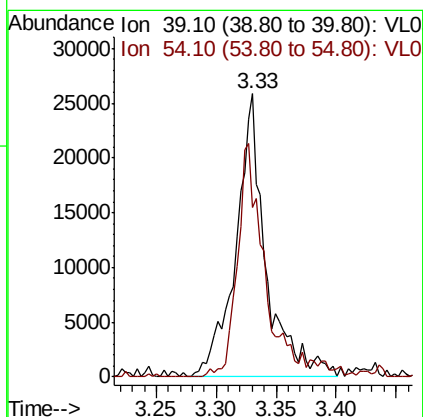
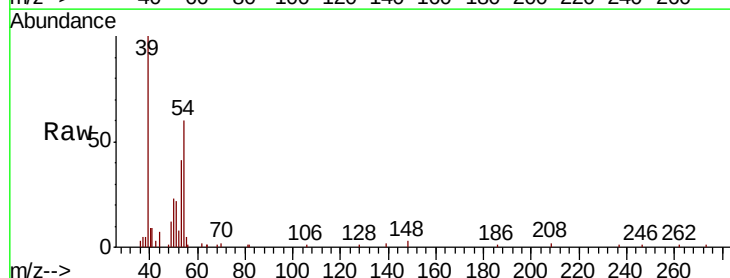
Acq: 11 Aug 2021 4:22

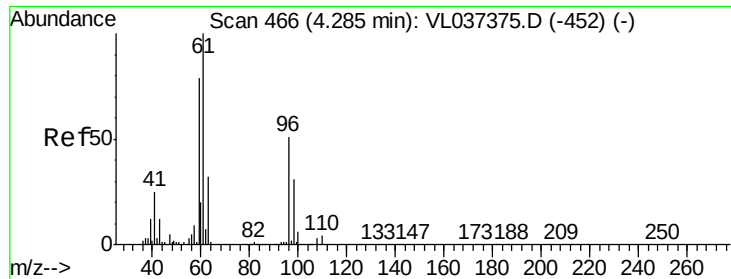
Tgt Ion: 39 Resp: 45511

Ion Ratio Lower Upper

39 100

54 77.1 61.0 91.4





#17

tert-Butyl alcohol

Concen: 0.454 ppbv m

RT: 4.33 min Scan# 480

Delta R.T. 0.04 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 59 Resp: 55816

Ion Ratio Lower Upper

59 100

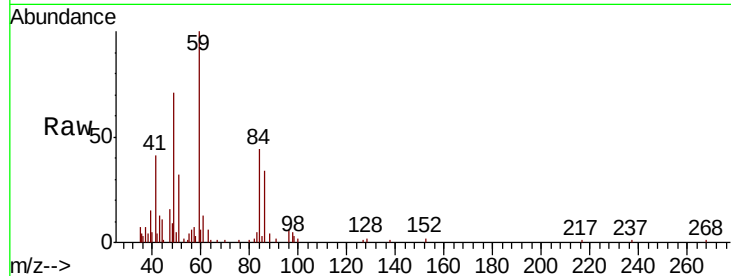
57 0.0 8.2 12.2#

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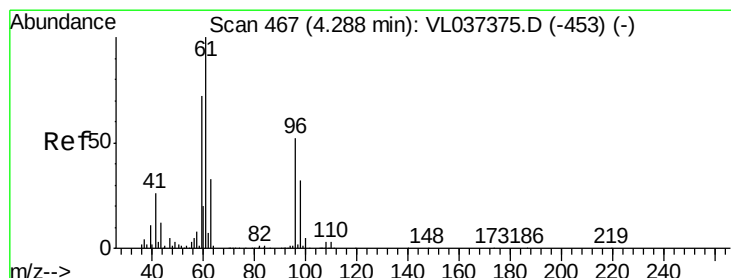
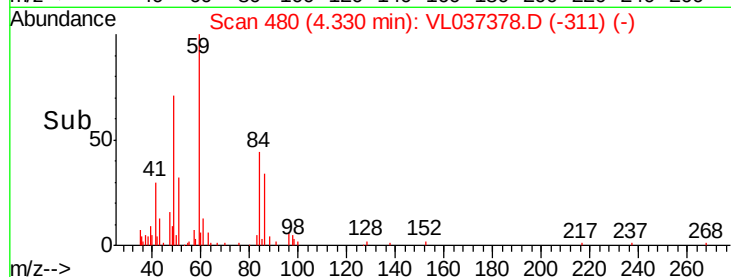
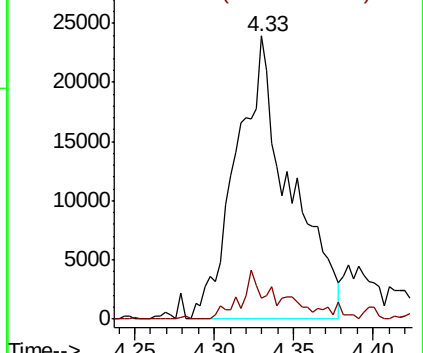
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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.479 ppbv m

RT: 4.29 min Scan# 467

Delta R.T. -0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

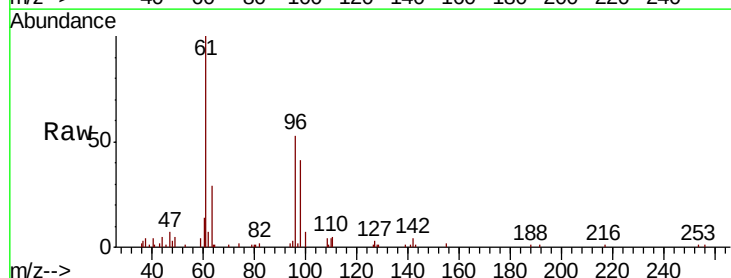
Tgt Ion: 96 Resp: 32988

Ion Ratio Lower Upper

96 100

61 187.8 153.2 229.8

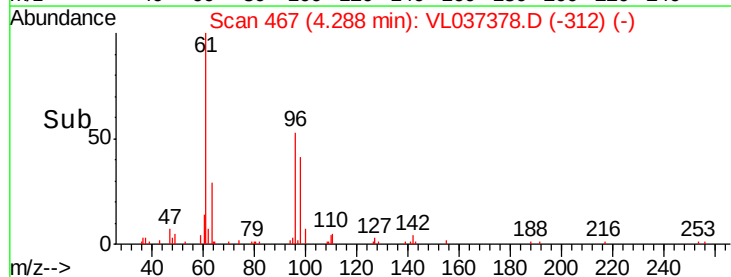
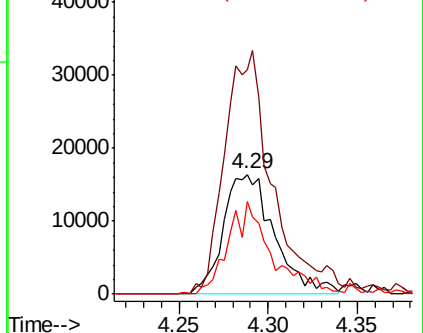
98 76.8 49.5 74.3#

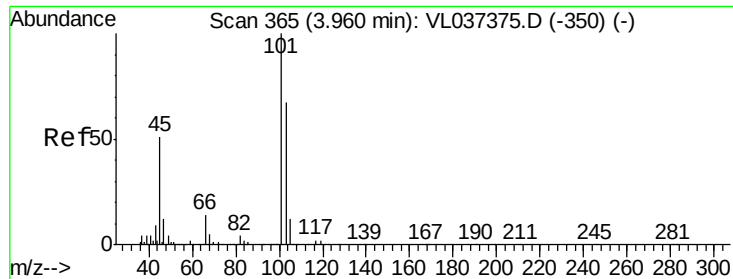


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.490 ppbv m

RT: 4.00 min Scan# 378

Delta R.T. 0.04 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 39664

Ion Ratio Lower Upper

45 100

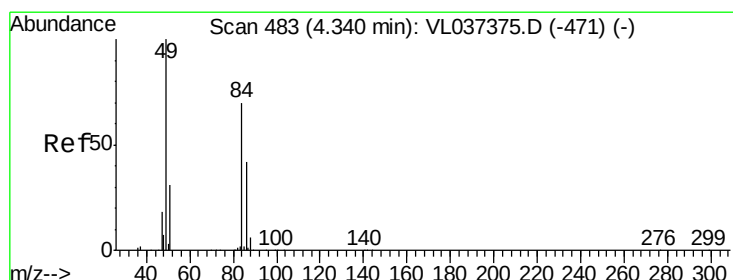
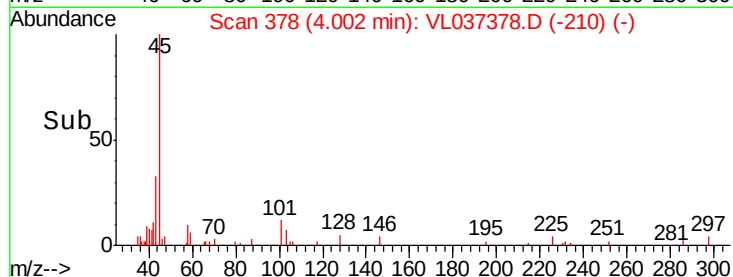
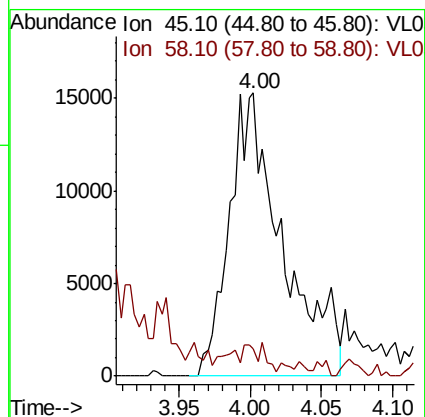
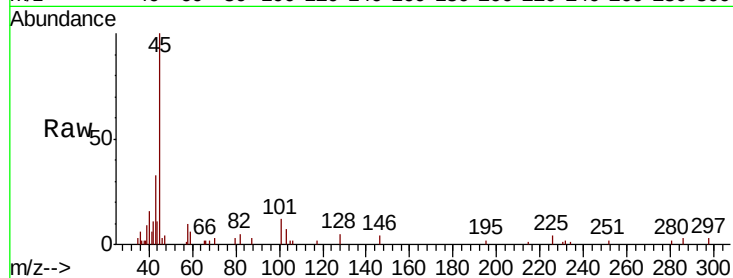
58 0.0 38.7 58.1#

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#20

Methylene Chloride

Concen: 0.493 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Tgt Ion: 84 Resp: 40225

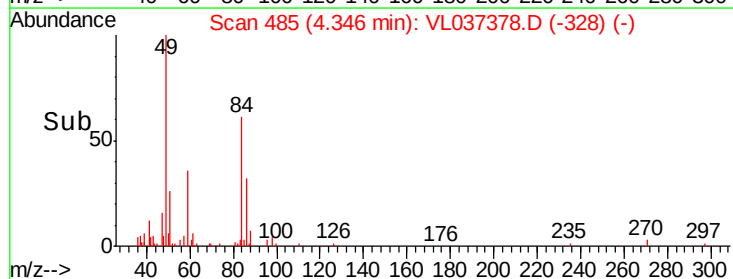
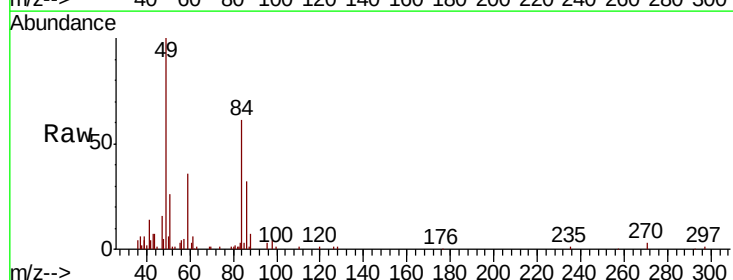
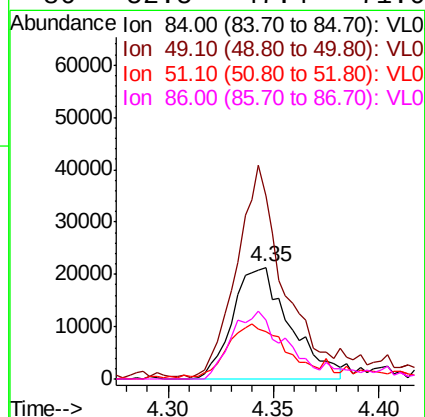
Ion Ratio Lower Upper

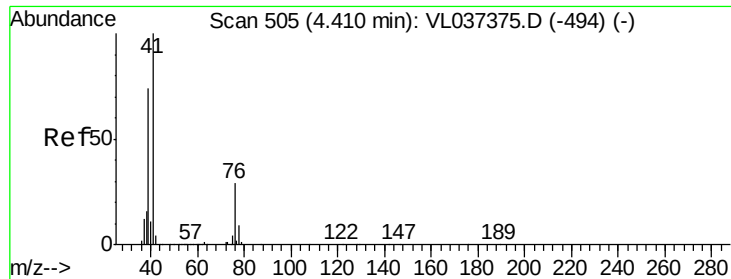
84 100

49 162.5 113.8 170.6

51 42.3 34.7 52.1

86 52.5 47.4 71.0





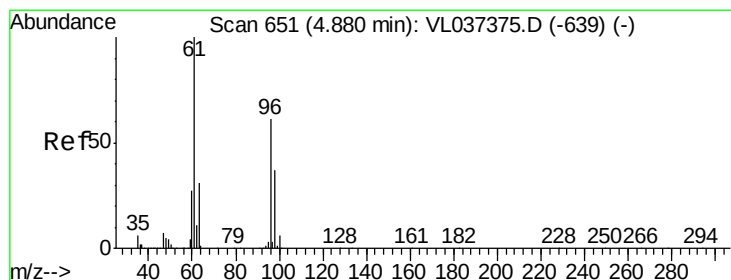
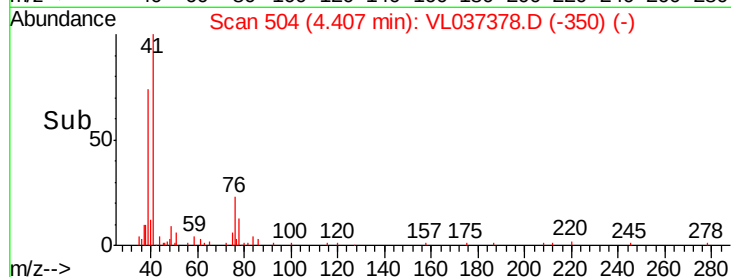
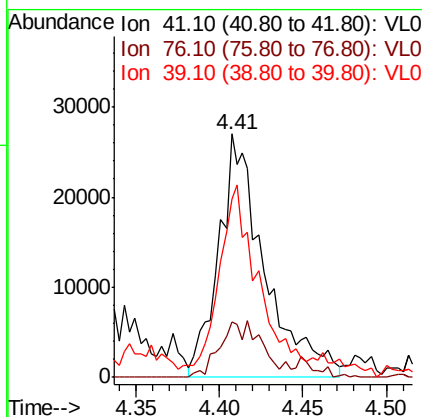
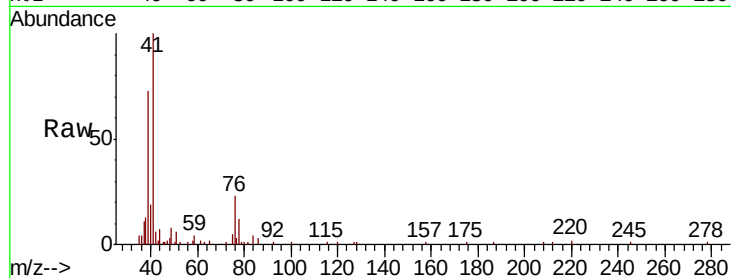
#21
Allvl Chloride
Concen: 0.504 ppbv m
RT: 4.41 min Scan# 504
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	24.8	23.0	34.4
39	80.7	61.4	92.0

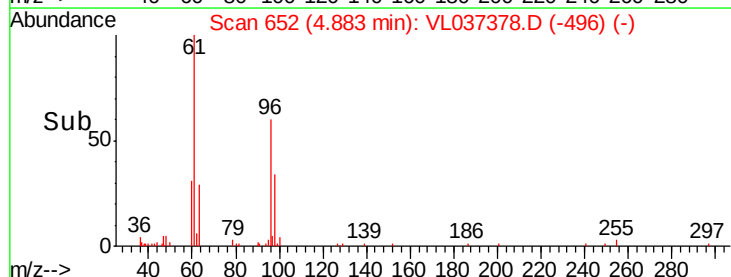
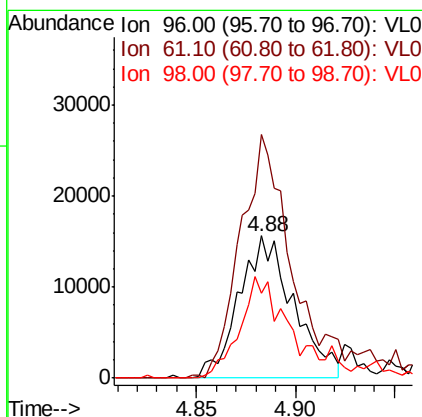
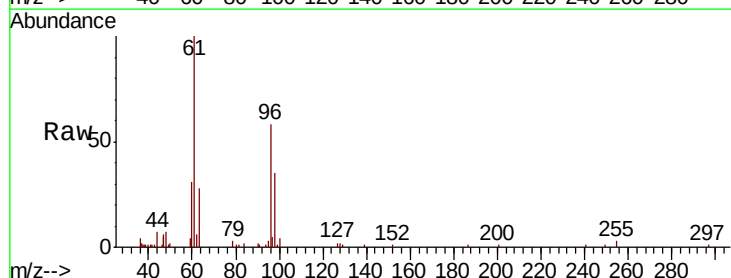
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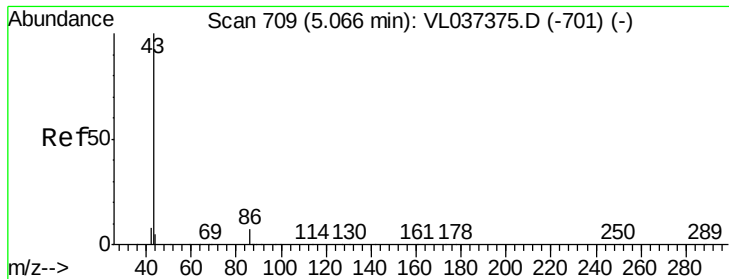
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#22
trans-1,2-Dichloroethene
Concen: 0.441 ppbv m
RT: 4.88 min Scan# 652
Delta R.T. 0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.0	132.2	198.4
98	59.2	48.7	73.1





#23

Vinyl Acetate

Concen: 0.441 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.02 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

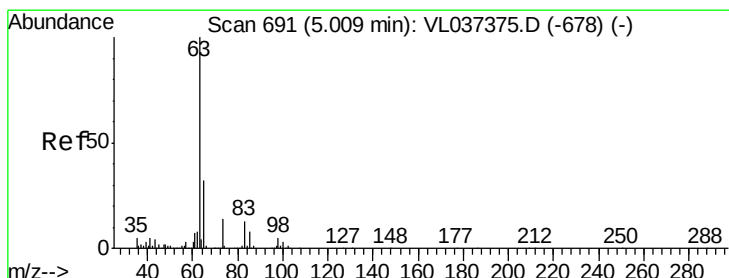
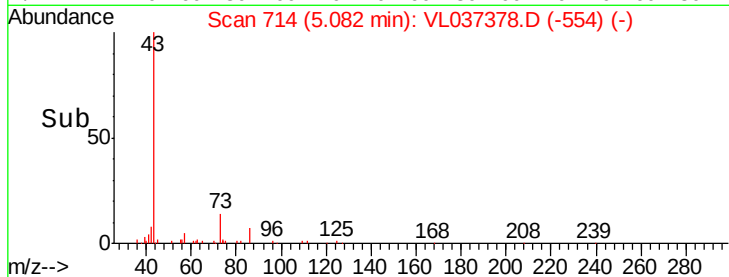
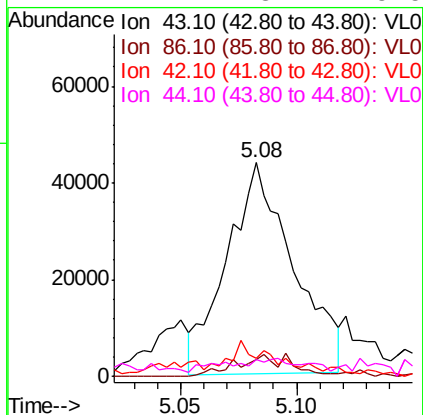
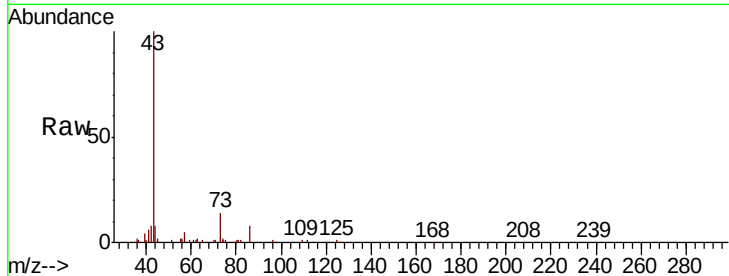
ClientSampleId :

VSTDIC0.5

Tot Ion	43	Resp	87507
Ion Ratio	Lower	Upper	
43	100		
86	9.7	4.8	7.2#
42	4.9	7.3	10.9#
44	7.4	3.7	5.5#

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#24

1,1-Dichloroethane

Concen: 0.490 ppbv

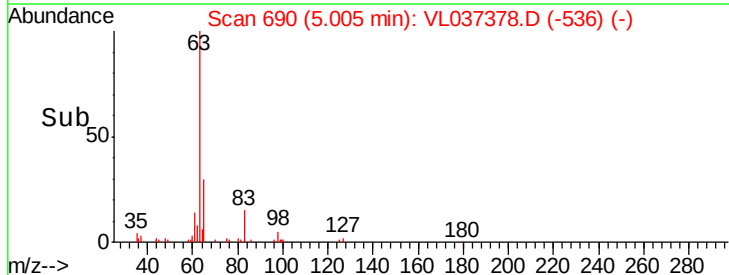
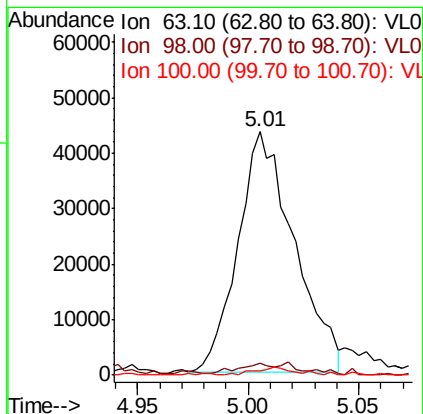
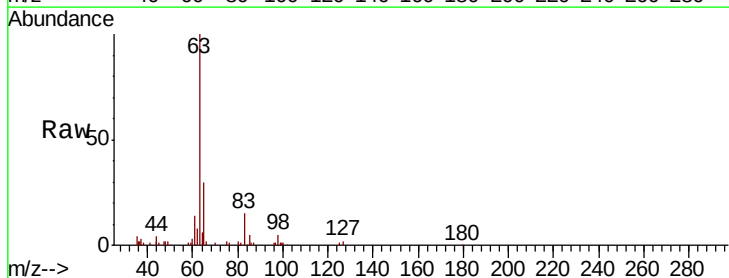
RT: 5.01 min Scan# 690

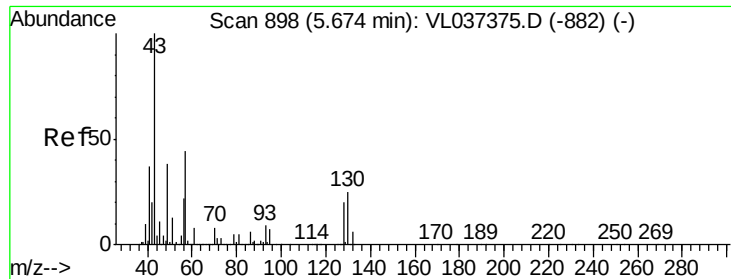
Delta R.T. -0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Tgt Ion	63	Resp	77158
Ion Ratio	Lower	Upper	
63	100		
98	4.1	2.5	7.5
100	1.2	1.4	4.2#





#25

Ethyl Acetate

Concen: 0.548 ppbv m

RT: 5.69 min Scan# 903

Delta R.T. 0.02 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

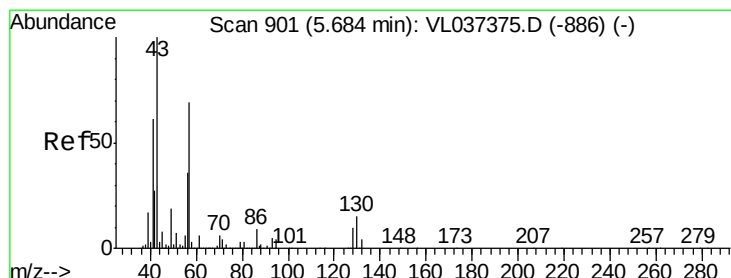
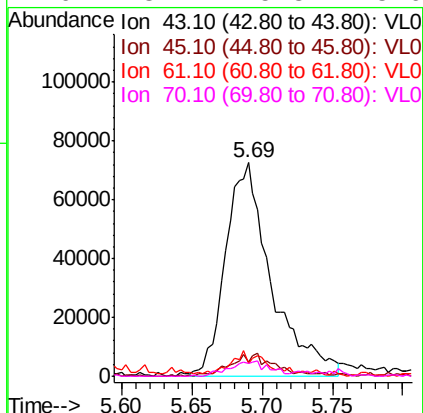
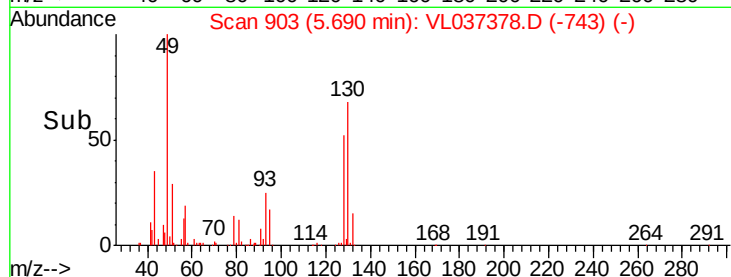
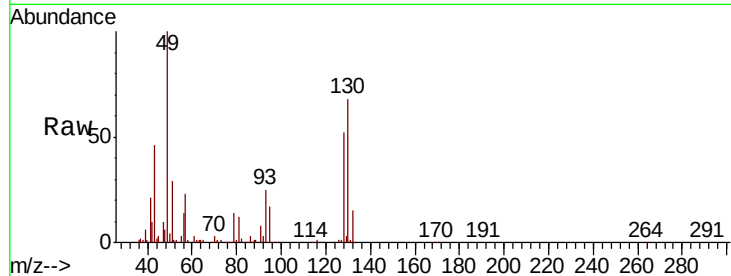
ClientSampleId :

VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.0	12.0
61	10.3	7.7	11.5
70	8.7	5.8	8.6#

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#26

Hexane

Concen: 0.560 ppbv m

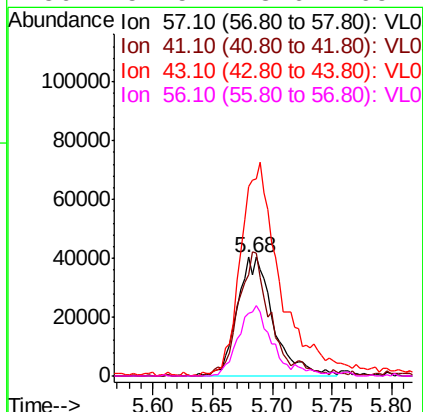
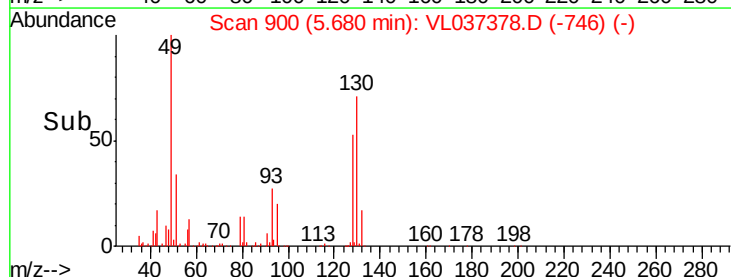
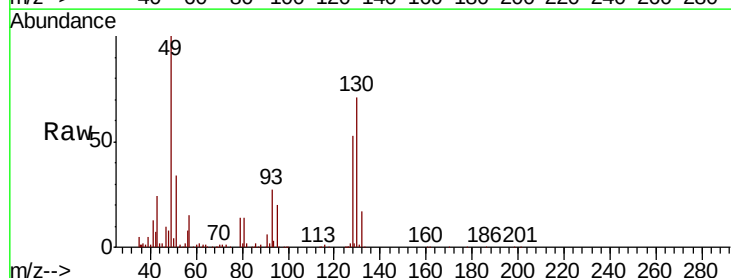
RT: 5.68 min Scan# 900

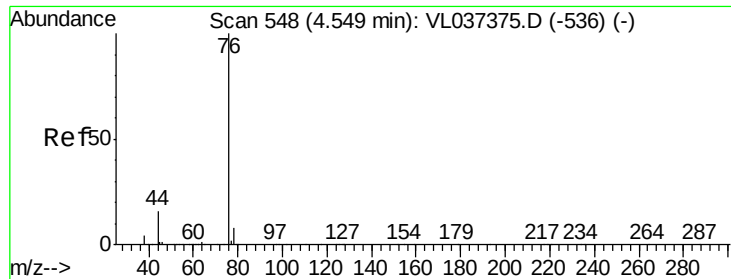
Delta R.T. -0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
57	100		
41	94.7	73.4	110.0
43	203.9	174.4	261.6
56	57.5	43.6	65.4





#27

Carbon Disulfide

Concen: 0.404 ppbv m

RT: 4.55 min Scan# 548

Delta R.T. -0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

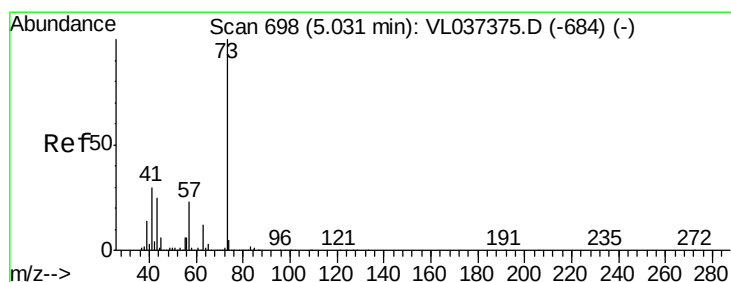
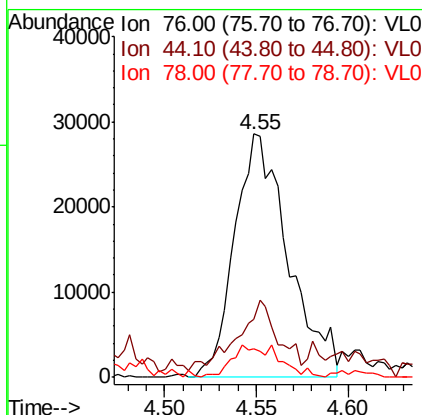
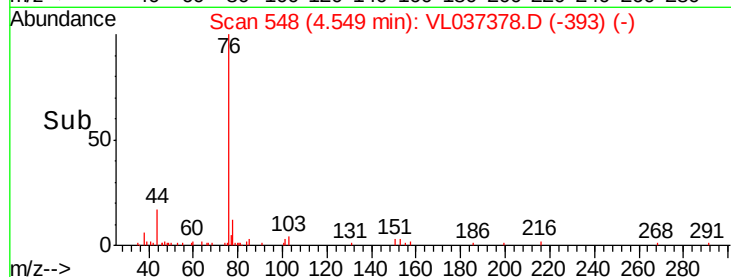
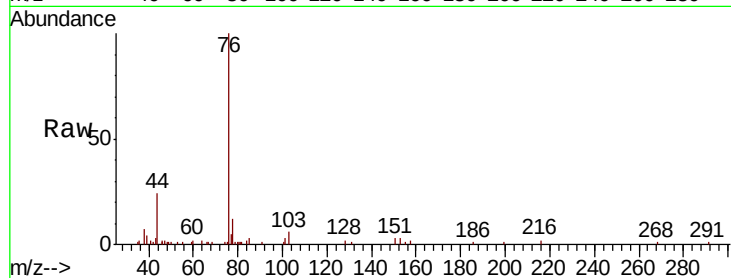
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	58156
Ion Ratio	Lower	Upper	
76	100		
44	26.4	13.7	20.5#
78	0.0	7.7	11.5#

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#28

Methyl tert-Butyl Ether

Concen: 0.459 ppbv m

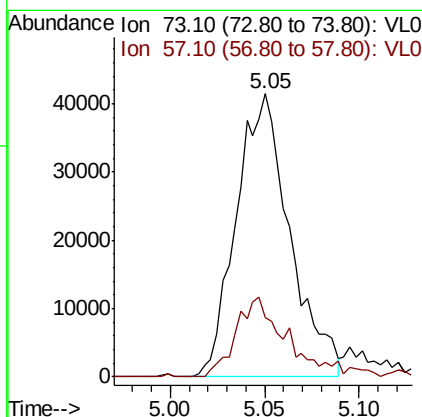
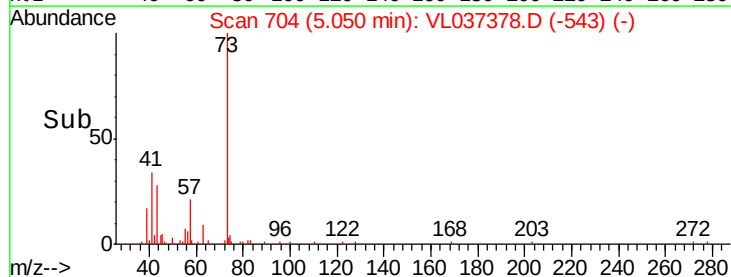
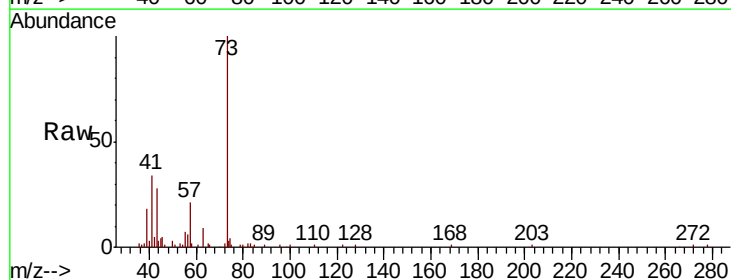
RT: 5.05 min Scan# 704

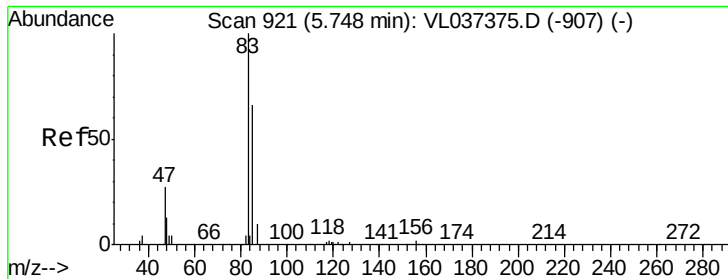
Delta R.T. 0.02 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Tgt Ion:	73	Resp:	82031
Ion Ratio	Lower	Upper	
73	100		
57	0.0	18.8	28.2#





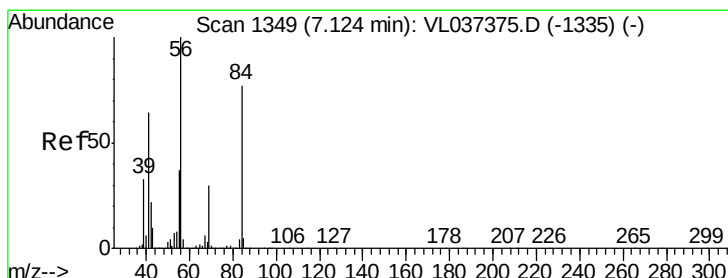
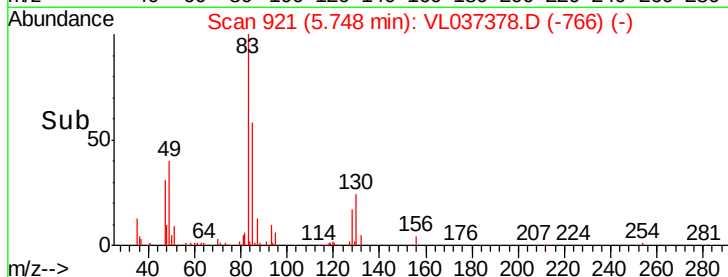
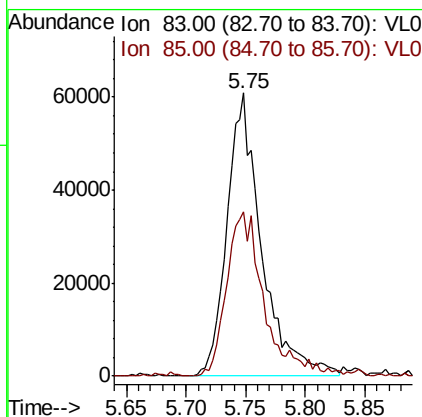
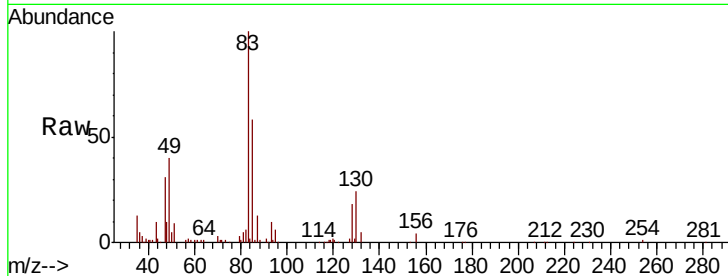
#29
Chloroform
Concen: 0.528 ppbv m
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	83	Resp	122202
Ion Ratio	100	Lower	Upper
83	100		
85	57.9	52.8	79.2

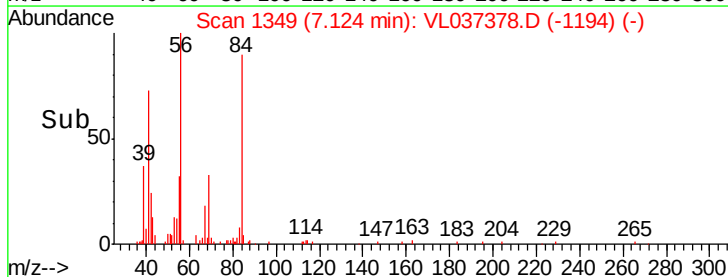
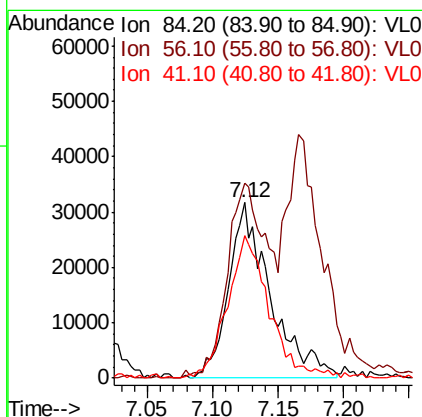
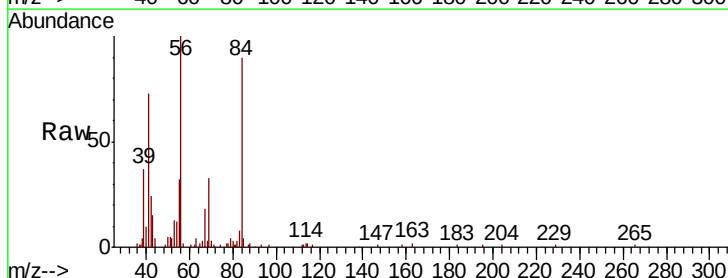
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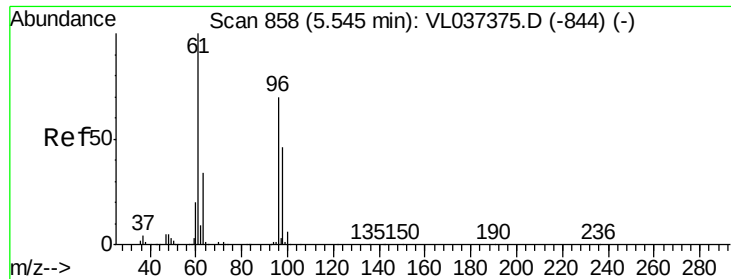
apatel
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#30
Cyclohexane
Concen: 0.559 ppbv m
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion	84	Resp	70597
Ion Ratio	100	Lower	Upper
84	100		
56	96.5	109.2	163.8#
41	81.5	66.6	100.0





#31

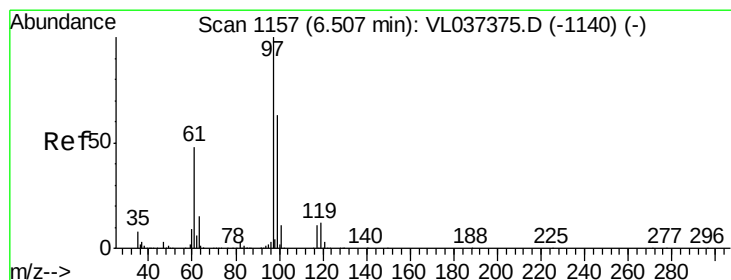
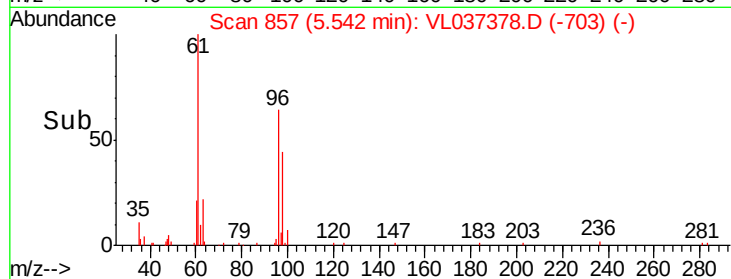
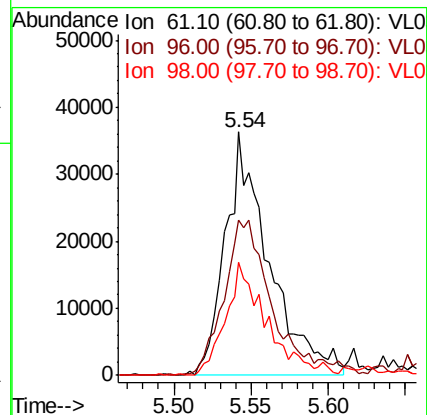
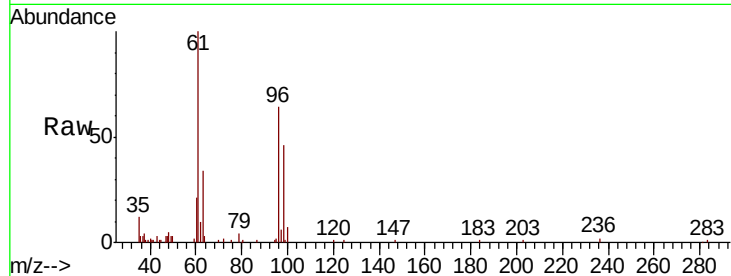
cis-1,2-Dichloroethene
Concen: 0.514 ppbv m
RT: 5.54 min Scan# 857
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.8	56.0	84.0
98	46.3	36.8	55.2

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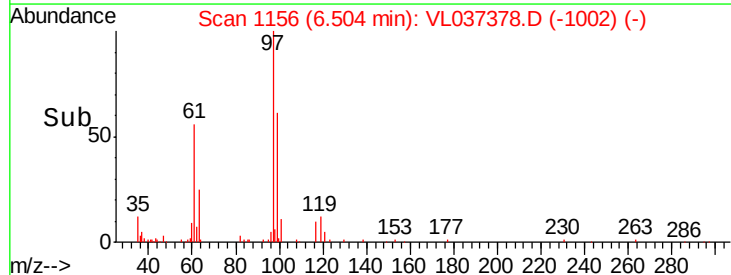
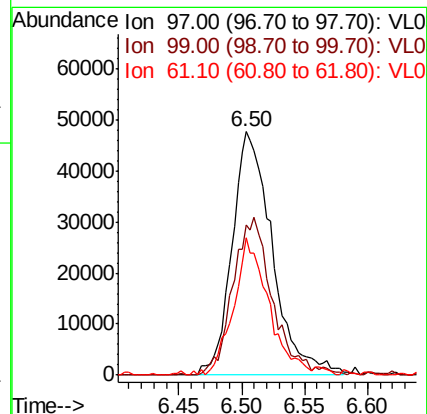
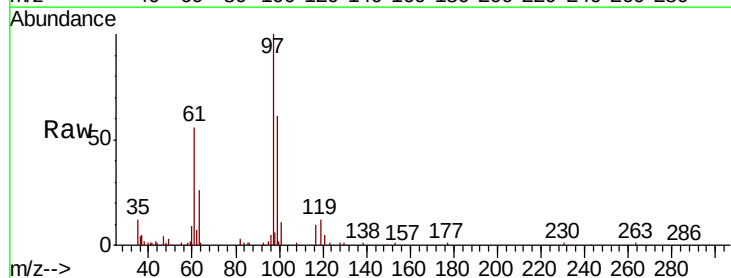
apatel
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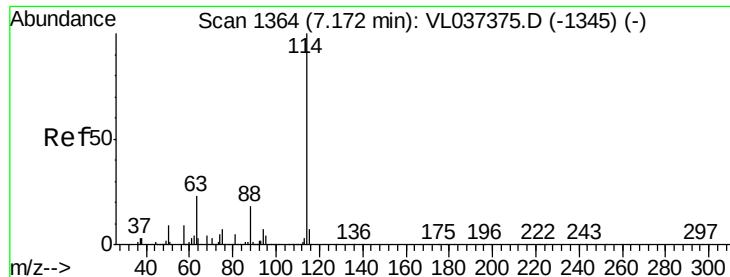


#32

1,1,1-Trichloroethane
Concen: 0.431 ppbv m
RT: 6.50 min Scan# 1156
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.7	79.1
61	51.5	39.9	59.9





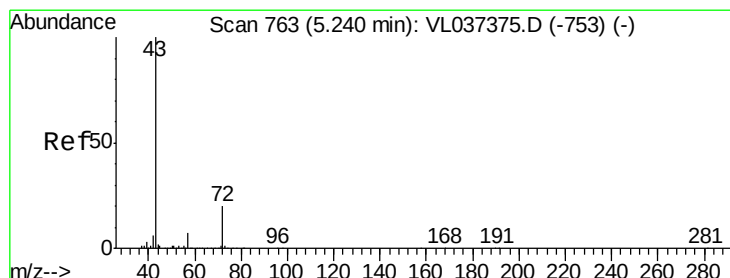
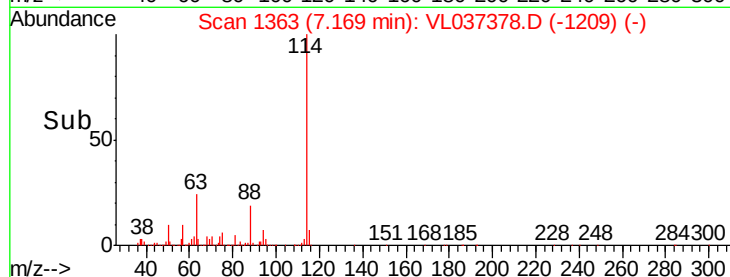
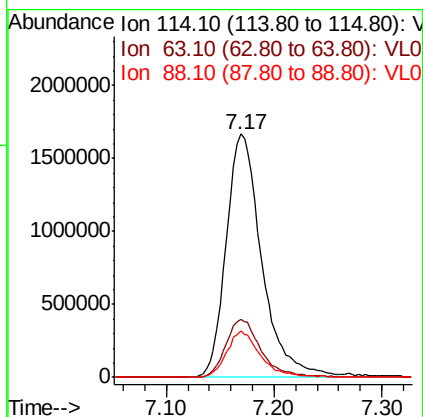
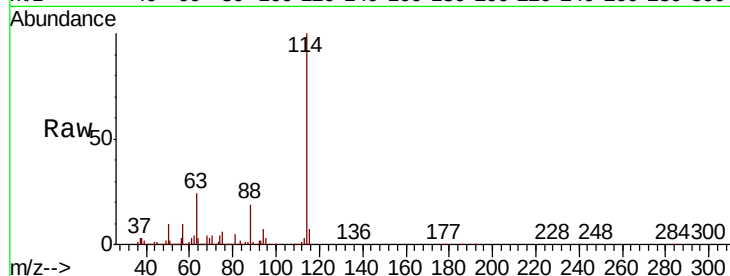
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.9	19.5	29.3
88	18.4	14.3	21.5

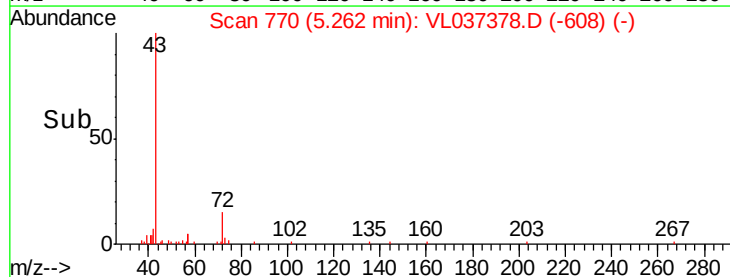
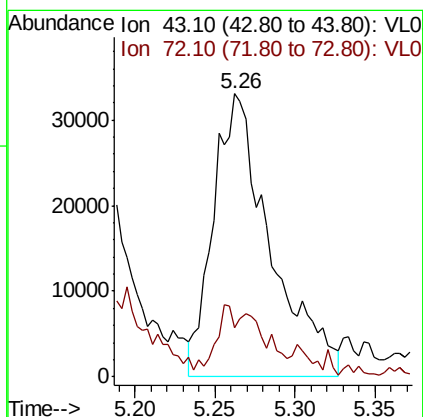
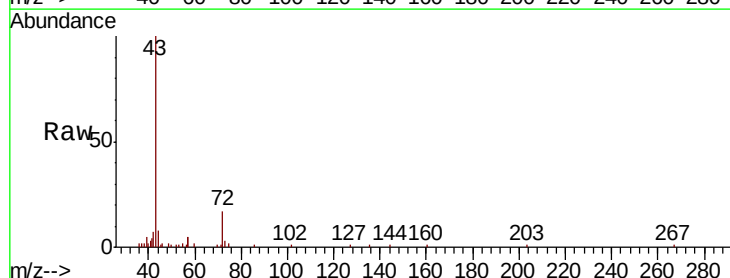
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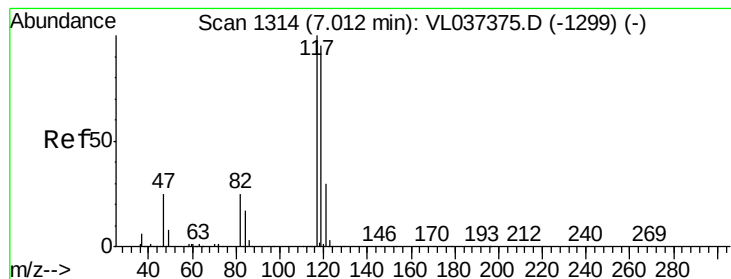
apatel
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#34
 2-Butanone
 Concen: 0.552 ppbv m
 RT: 5.26 min Scan# 770
 Delta R.T. 0.02 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.2	19.7	29.5





#35

Carbon Tetrachloride

Concen: 0.428 ppbv m

RT: 7.02 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

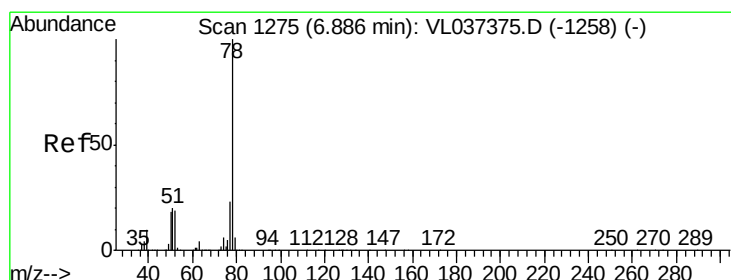
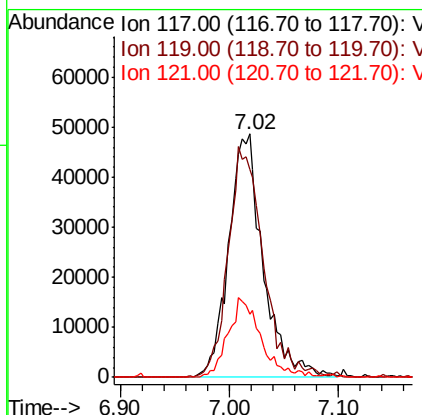
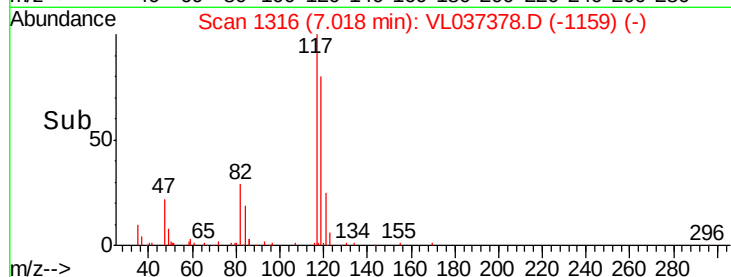
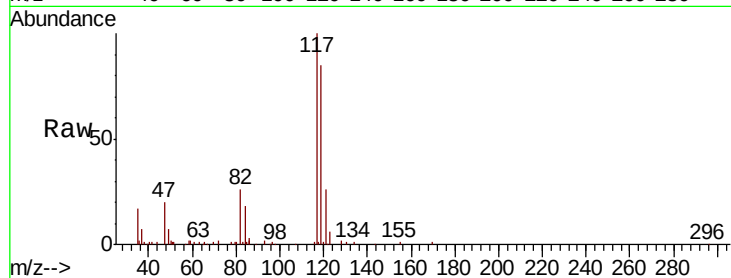
ClientSampleId :

VSTDIC0.5

Tot Ion:	117	Resp:	106846
Ion Ratio	Lower	Upper	
117	100		
119	85.3	76.1	114.1
121	25.7	24.4	36.6

Manual Integrations
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#36

Benzene

Concen: 0.510 ppbv

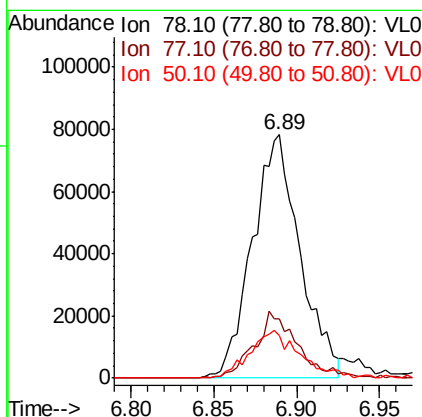
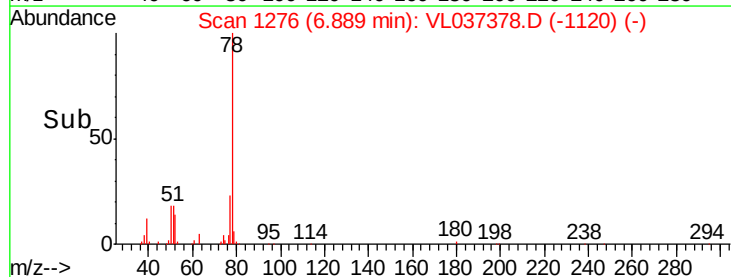
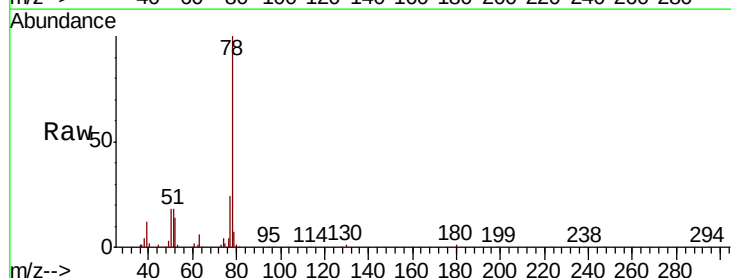
RT: 6.89 min Scan# 1276

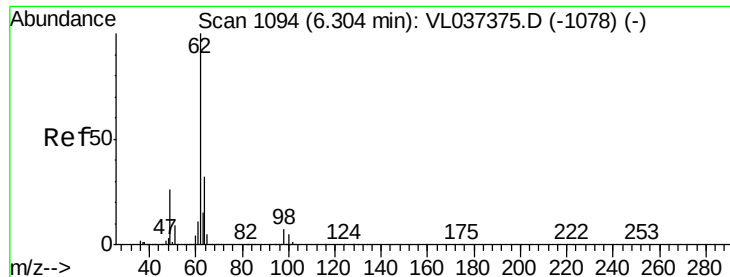
Delta R.T. 0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Tgt Ion:	78	Resp:	157078
Ion Ratio	Lower	Upper	
78	100		
77	24.2	18.6	28.0
50	17.3	14.3	21.5





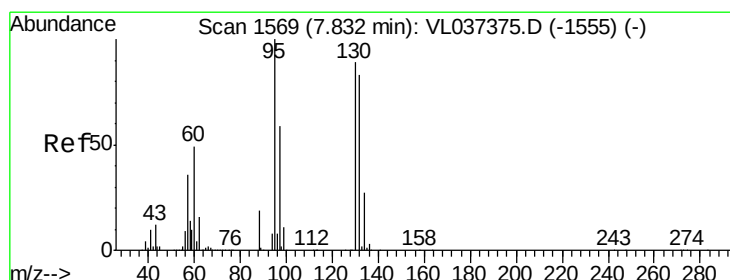
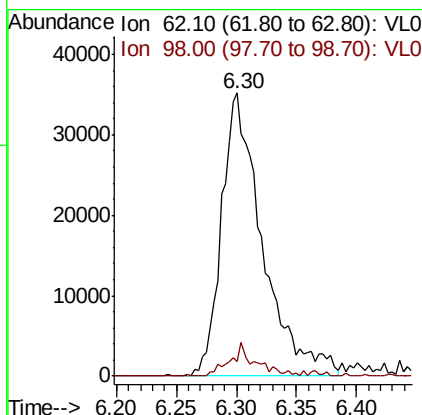
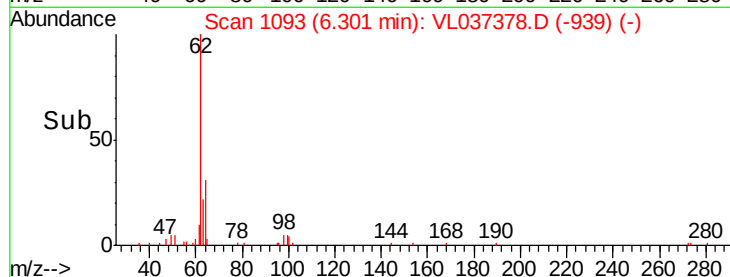
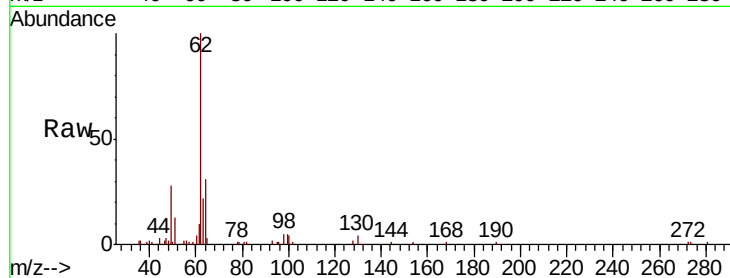
#37
 1,2-Dichloroethane
 Concen: 0.468 ppbv m
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
62	100	81792		
98	7.9		5.8	8.8

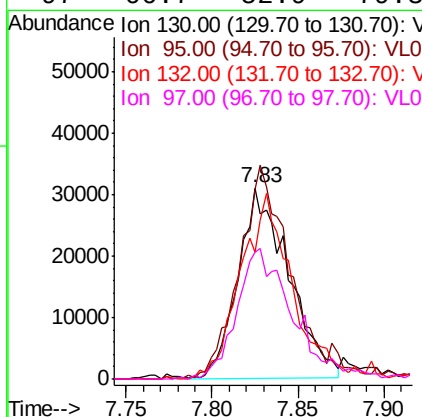
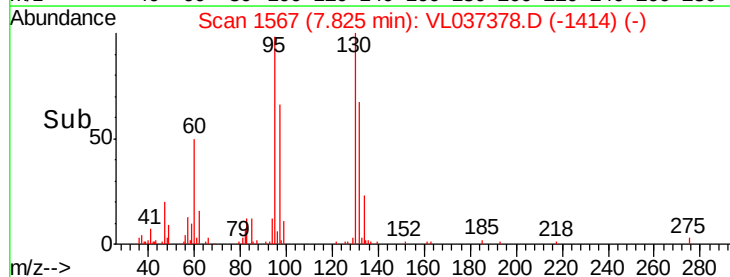
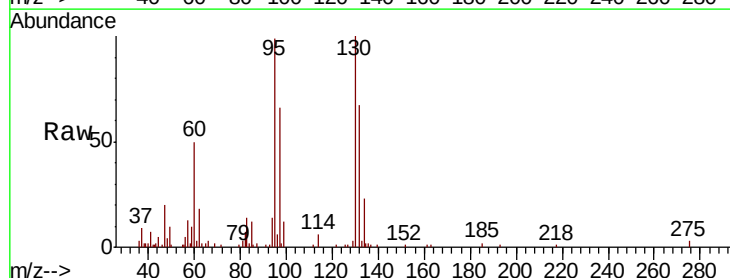
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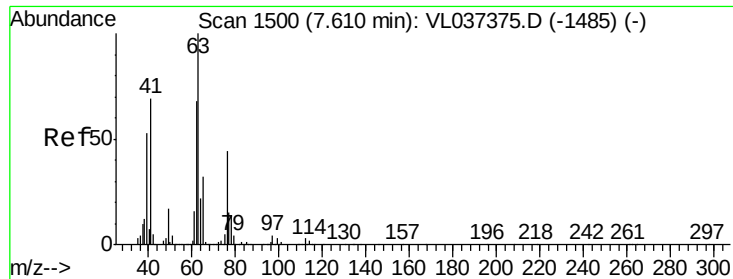
apatel
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#38
 Trichloroethene
 Concen: 0.435 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	63205		
95	97.8		89.5	134.3
132	67.0		74.2	111.4#
97	66.7		52.9	79.3





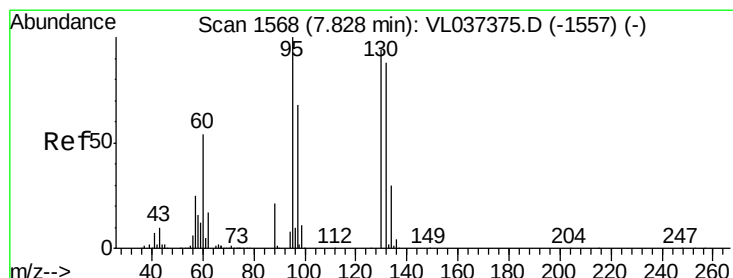
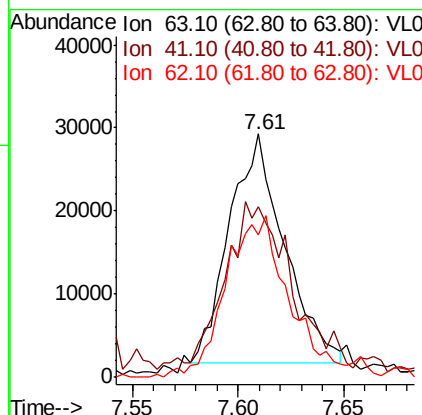
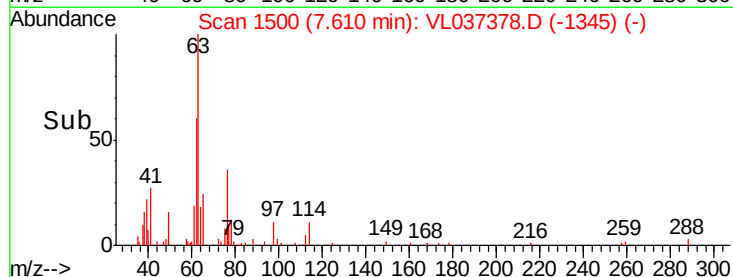
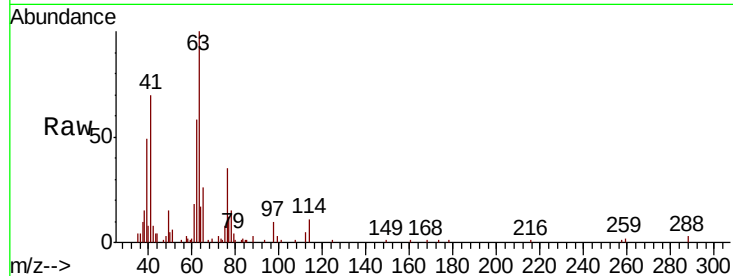
#39
 1,2-Dichloropropane
 Concen: 0.440 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	70.1	54.8	82.2
62	58.3	54.5	81.7

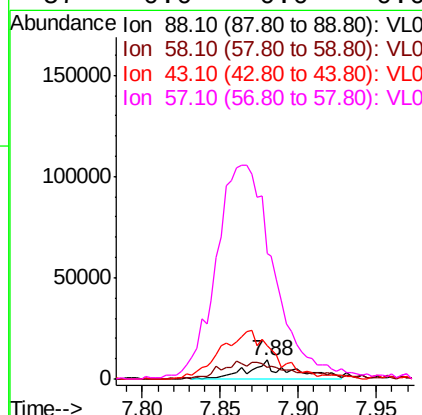
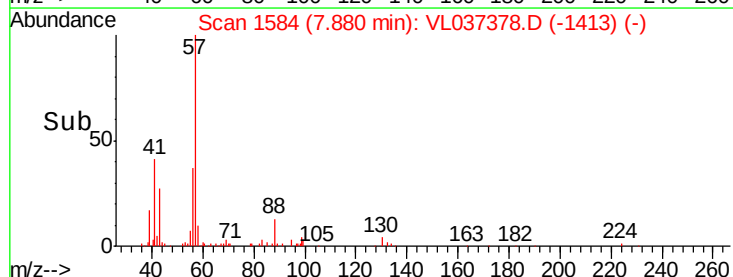
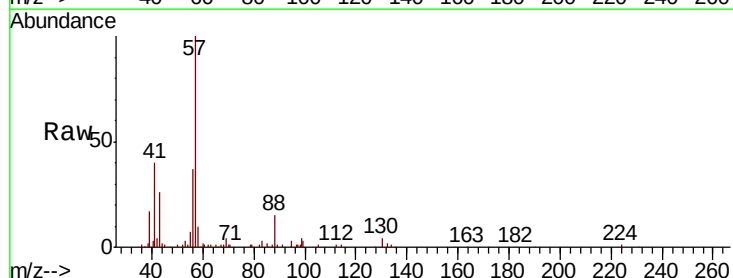
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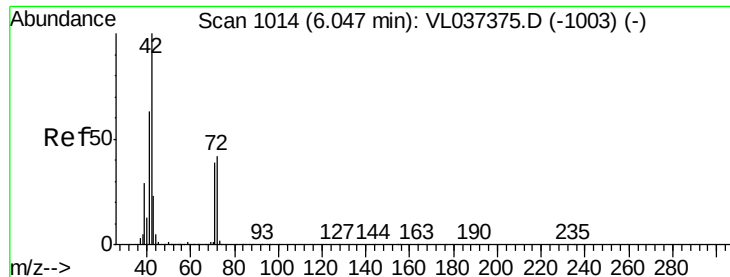
apatel
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#40
 1,4-Dioxane
 Concen: 0.575 ppbv m
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.05 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Tgt 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





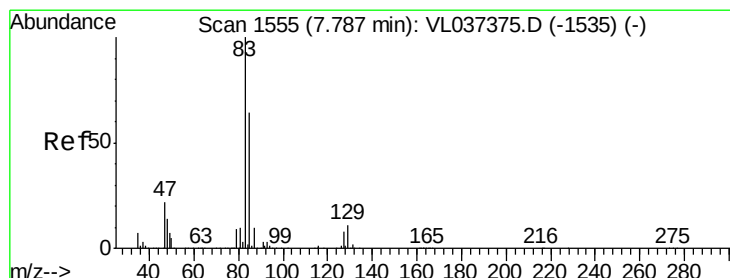
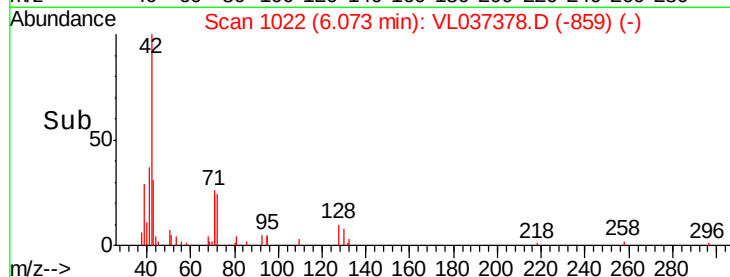
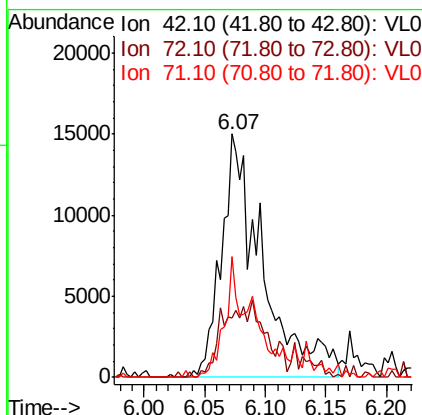
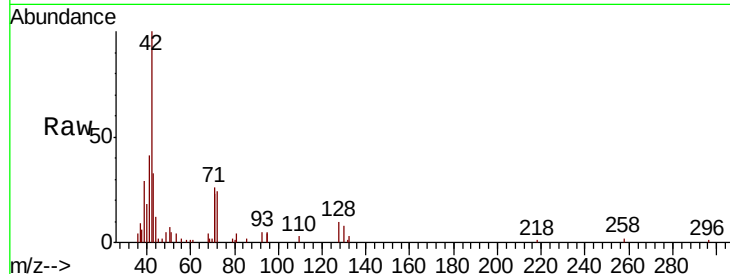
#41
Tetrahydrofuran
Concen: 0.515 ppbv m
RT: 6.07 min Scan# 1022
Delta R.T. 0.03 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.4	51.6#
71	32.8	32.3	48.5

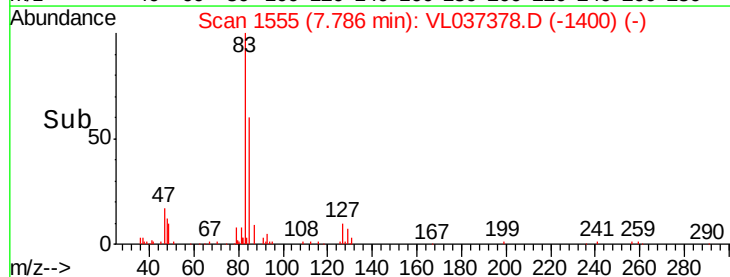
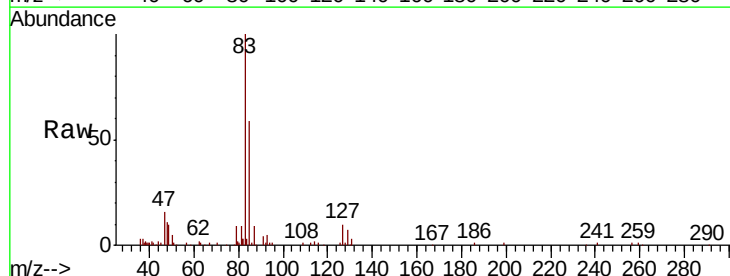
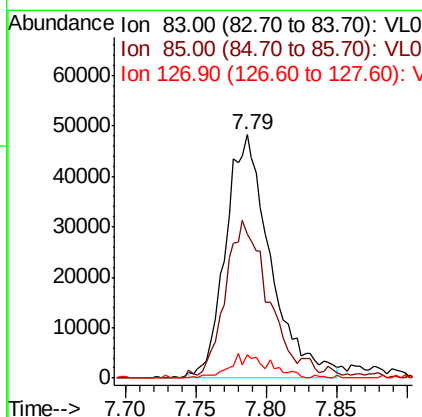
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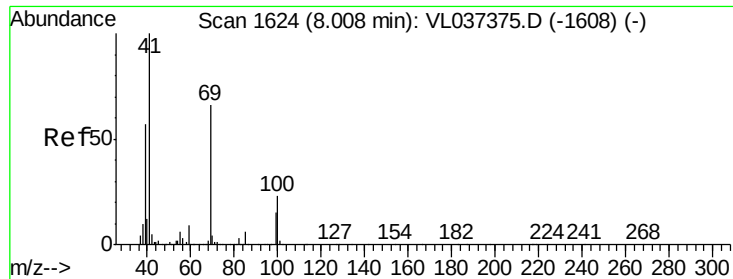
apatel
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#42
Bromodichloromethane
Concen: 0.446 ppbv m
RT: 7.79 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.2	76.8
127	9.7	6.7	10.1





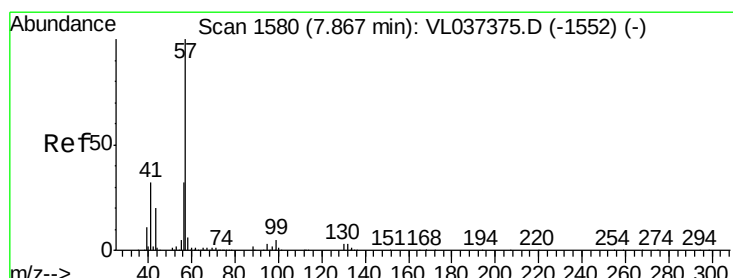
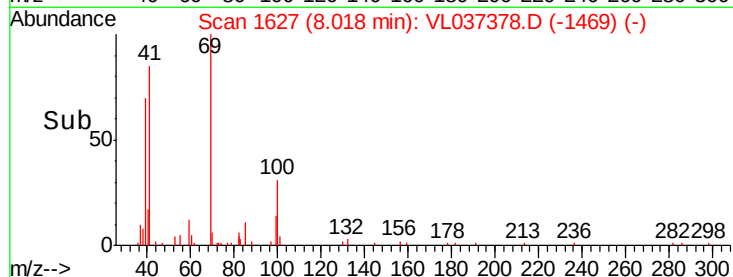
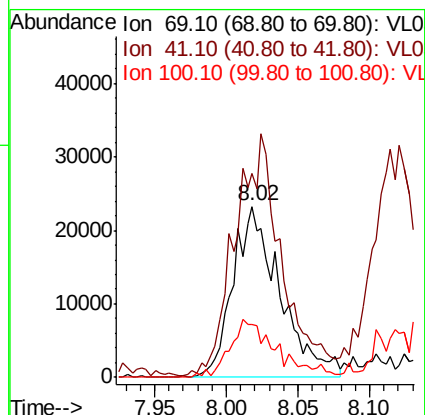
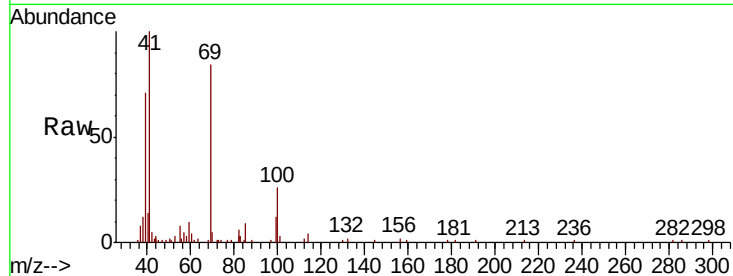
#43
Methyl Methacrylate
Concen: 0.503 ppbv m
RT: 8.02 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
69	100		
41	0.0	119.1	178.7#
100	33.8	27.7	41.5

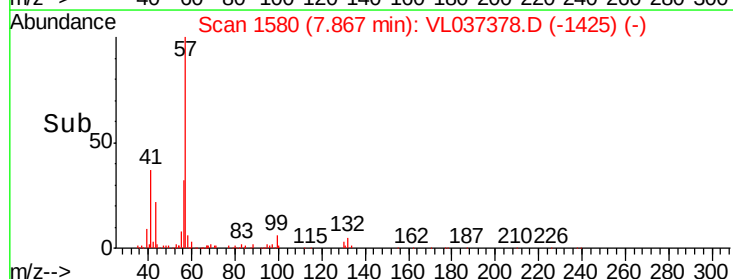
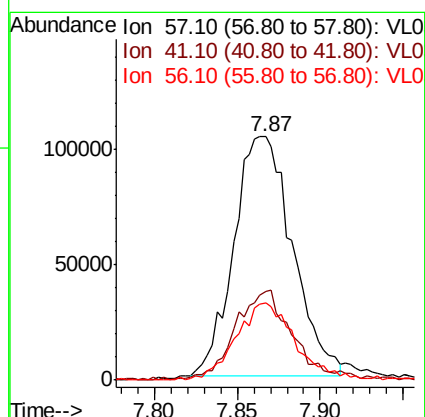
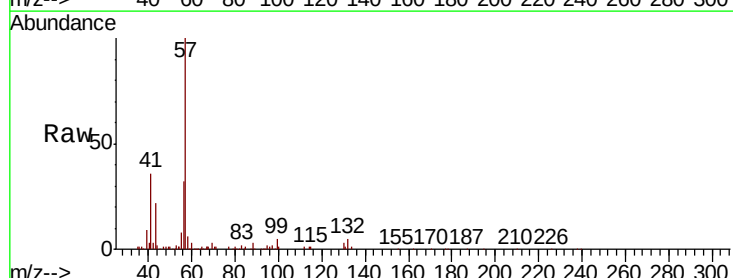
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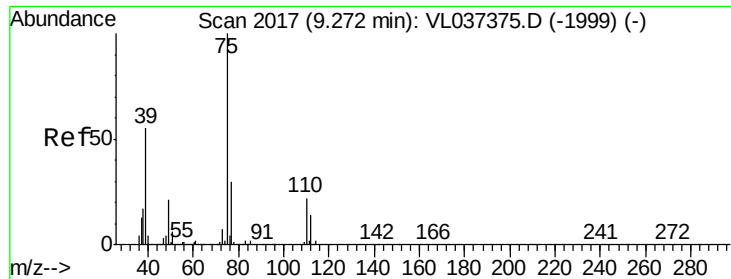
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#44
2,2,4-Trimethylpentane
Concen: 0.492 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.2	26.1	39.1
56	33.1	25.1	37.7





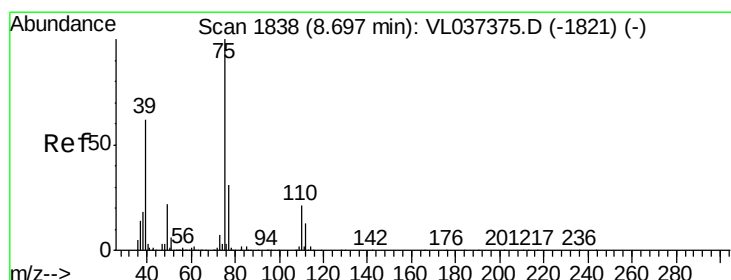
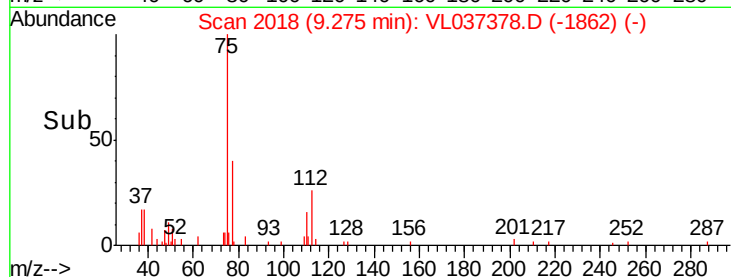
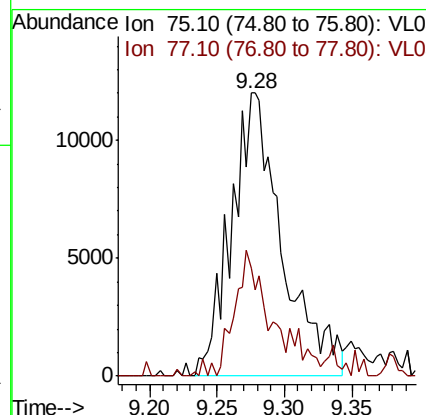
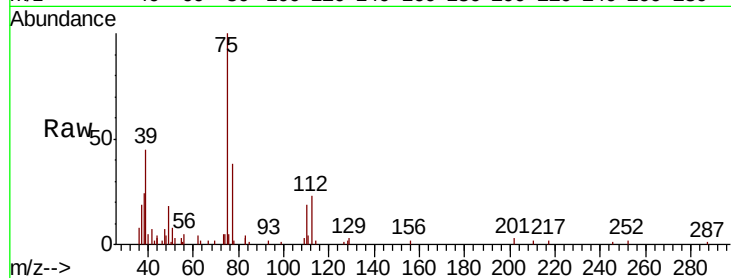
#45
t-1,3-Dichloropropene
Concen: 0.352 ppbv m
RT: 9.28 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 75 Resp: 31731
Ion Ratio Lower Upper
75 100
77 38.4 24.1 36.1#

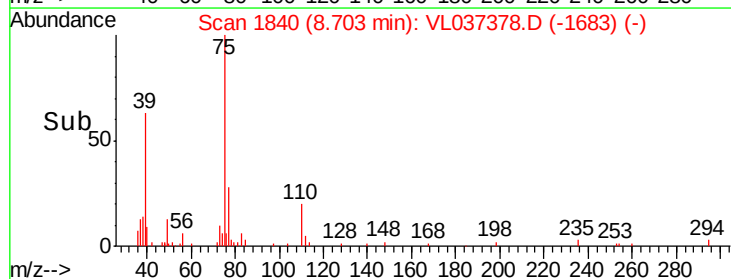
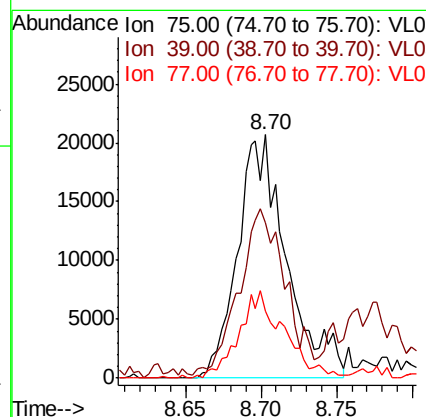
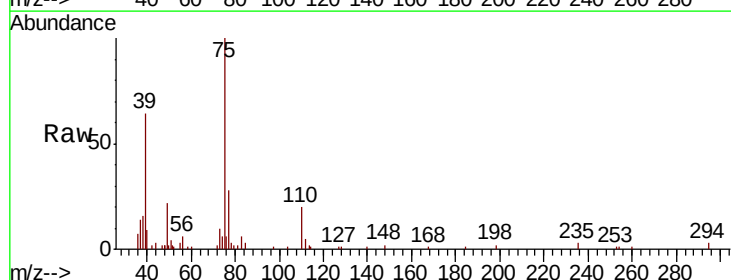
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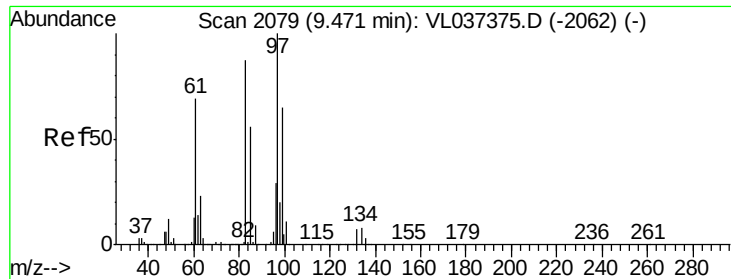
apatel
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#46
cis-1,3-Dichloropropene
Concen: 0.375 ppbv m
RT: 8.70 min Scan# 1840
Delta R.T. 0.01 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion: 75 Resp: 46429
Ion Ratio Lower Upper
75 100
39 63.7 49.4 74.2
77 27.6 25.0 37.6





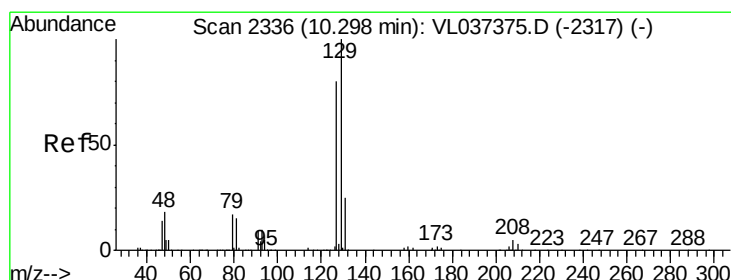
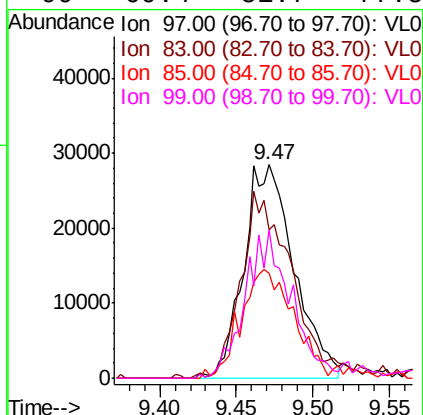
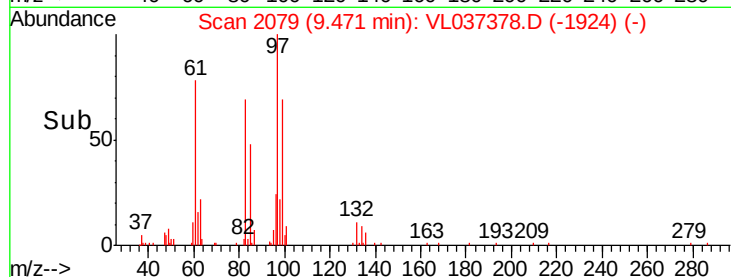
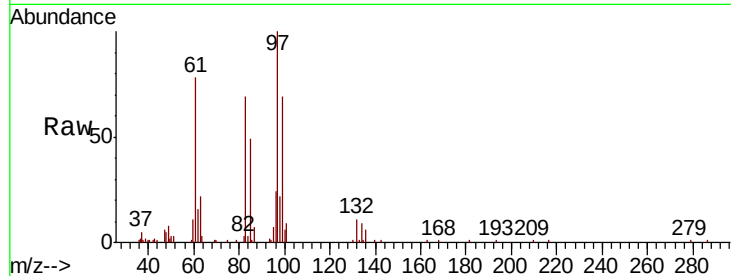
#47
 1,1,2-Trichloroethane
 Concen: 0.501 ppbv m
 RT: 9.47 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		65031		
83	69.4	69.4	104.0		
85	49.0	45.0	67.4		
99	69.4	51.7	77.5		

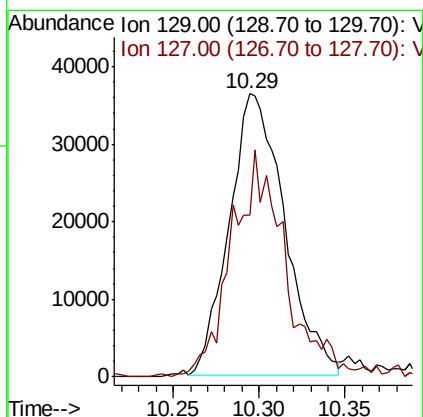
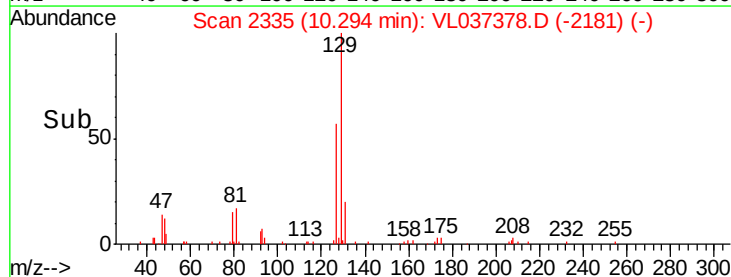
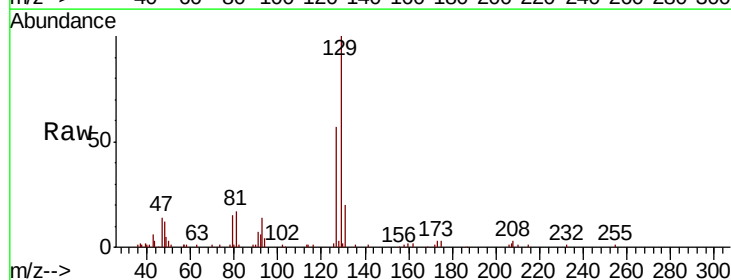
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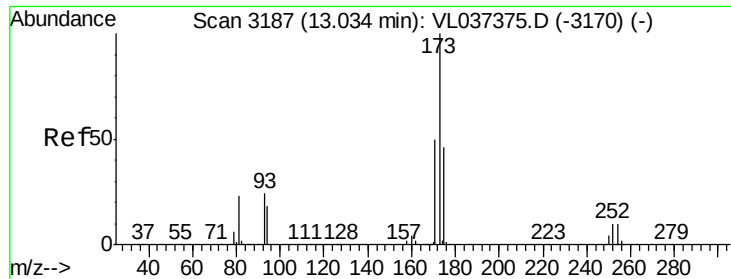
apatel
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#48
 Dibromochloromethane
 Concen: 0.404 ppbv
 RT: 10.29 min Scan# 2335
 Delta R.T. -0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		81073		
127	78.5	40.1	120.3		





#49

Bromoform

Concen: 0.408 ppbv m

RT: 13.03 min Scan# 3185

Delta R.T. -0.01 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

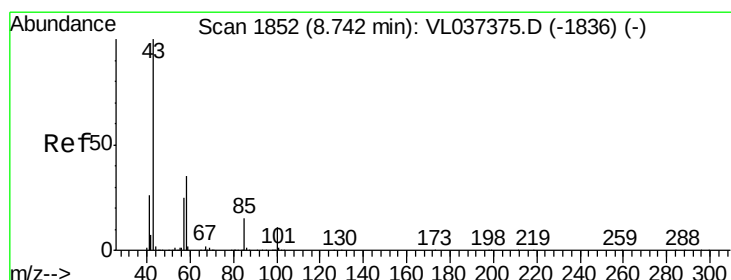
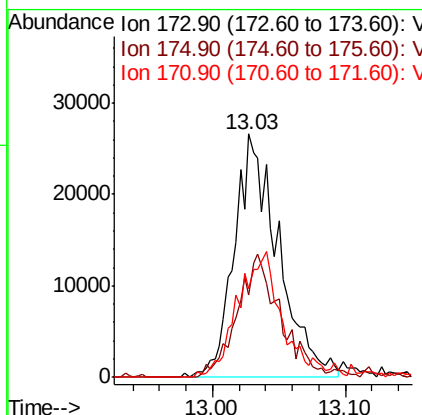
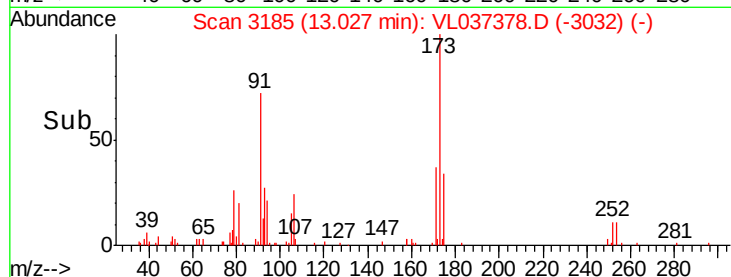
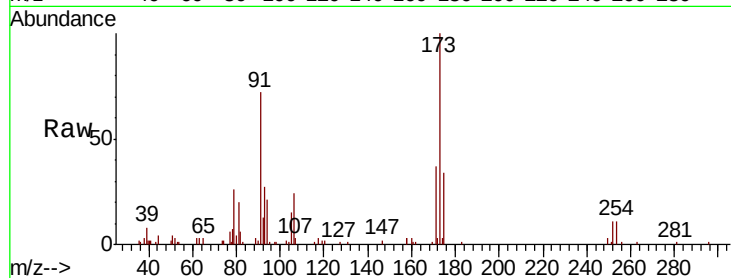
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	60993
Ion Ratio	Lower	Upper	
173	100		
175	0.0	41.7	62.5#
171	0.0	43.3	64.9#

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#50

4-Methyl-2-Pentanone

Concen: 0.459 ppbv m

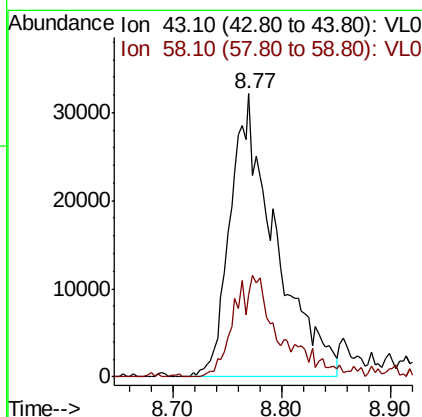
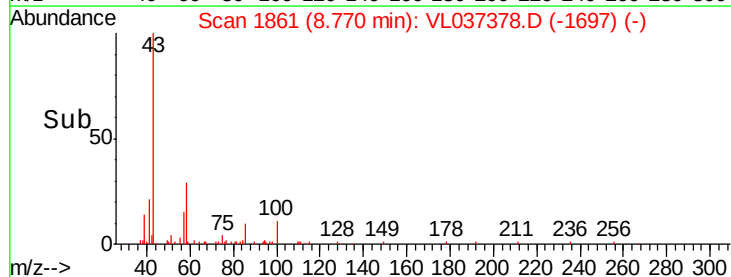
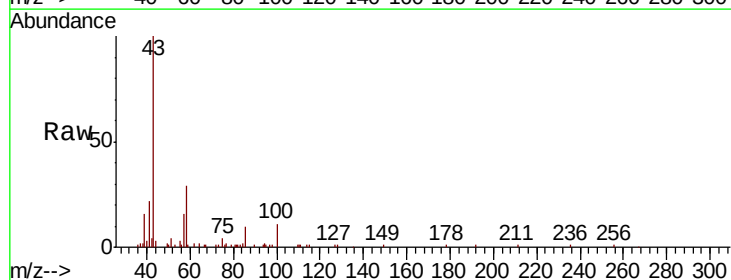
RT: 8.77 min Scan# 1861

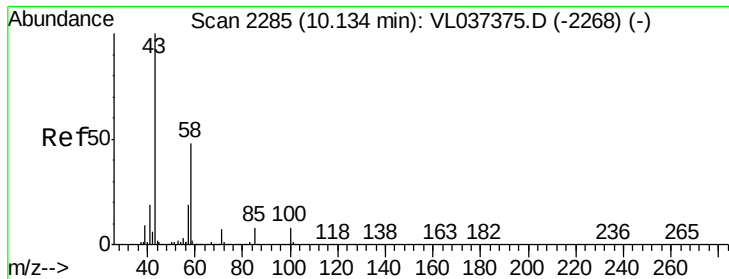
Delta R.T. 0.03 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Tgt Ion:	43	Resp:	92282
Ion Ratio	Lower	Upper	
43	100		
58	0.0	29.4	44.0#





#51

2-Hexanone

Concen: 0.375 ppbv m

RT: 10.17 min Scan# 2296

Delta R.T. 0.04 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

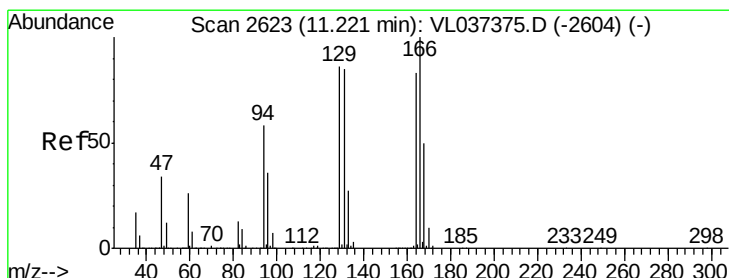
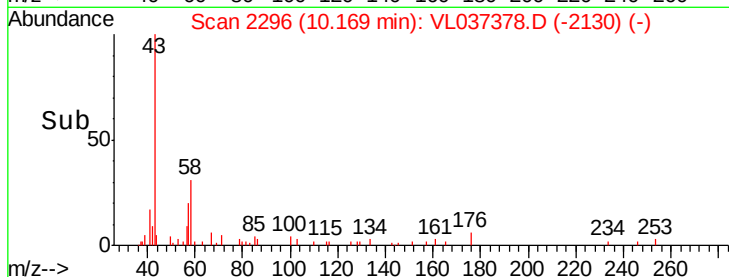
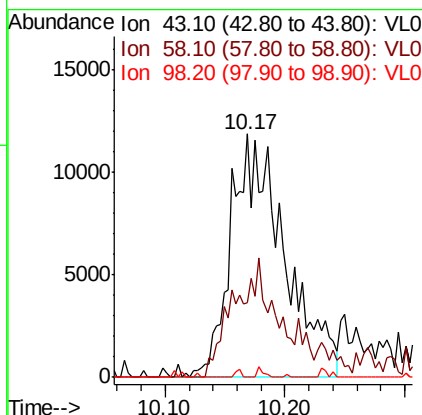
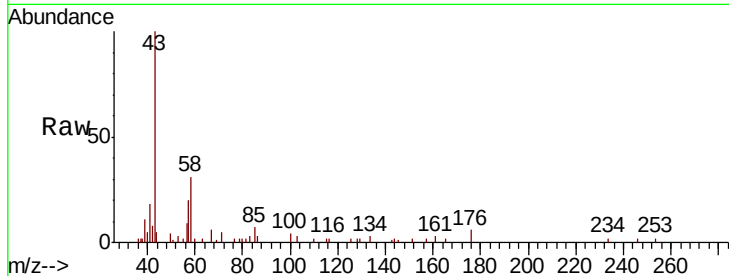
ClientSampleId :

VSTDIC0.5

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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#52

Tetrachloroethene

Concen: 0.434 ppbv m

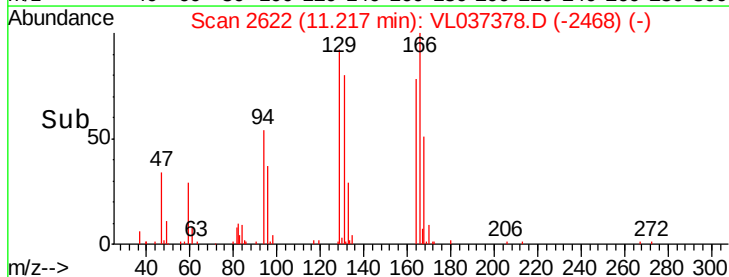
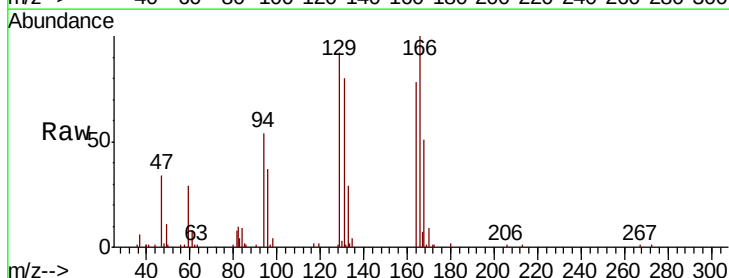
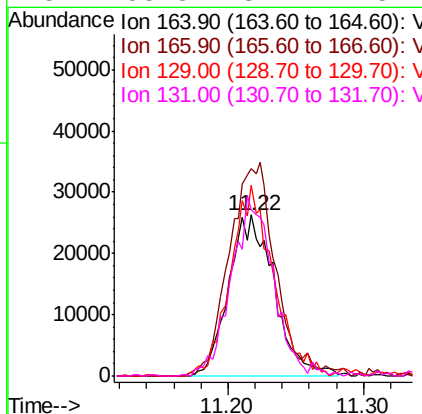
RT: 11.22 min Scan# 2622

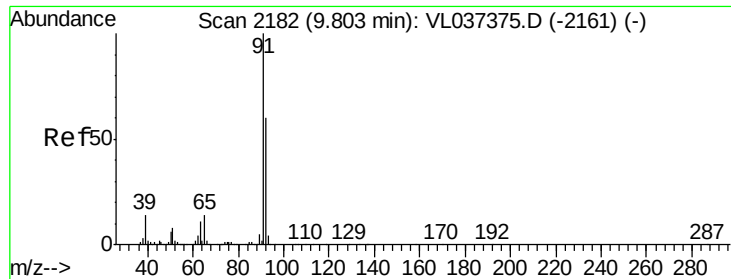
Delta R.T. -0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.4	96.5	144.7
129	118.4	83.2	124.8
131	103.3	82.2	123.2





#53

Toluene

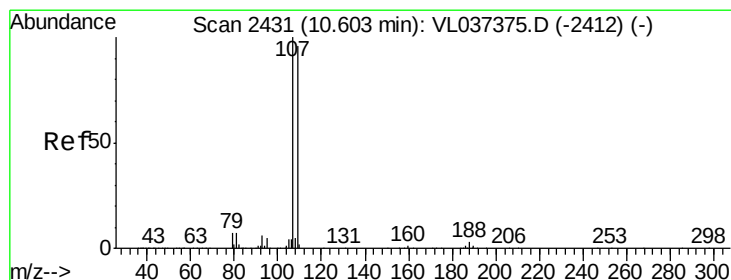
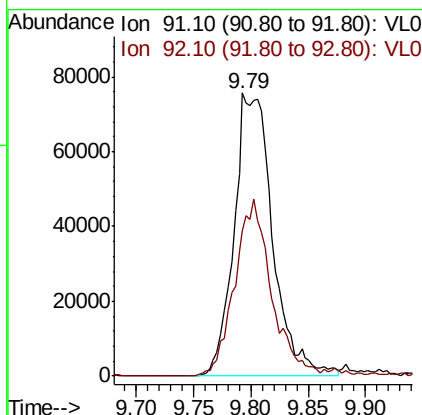
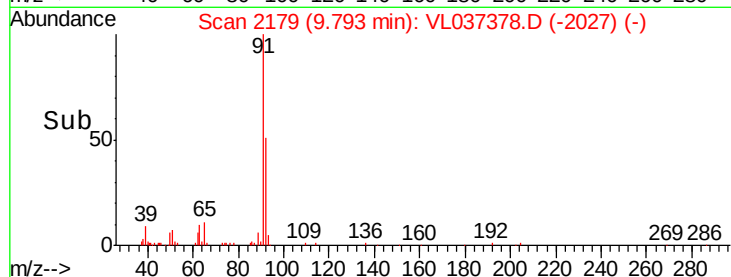
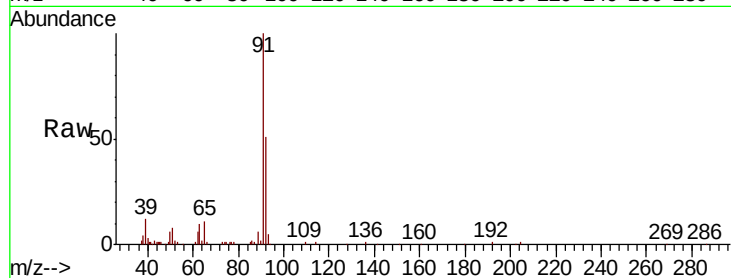
Concen: 0.484 ppbv m
 RT: 9.79 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 91 Resp: 177690
 Ion Ratio Lower Upper
 91 100
 92 0.0 48.2 72.2#

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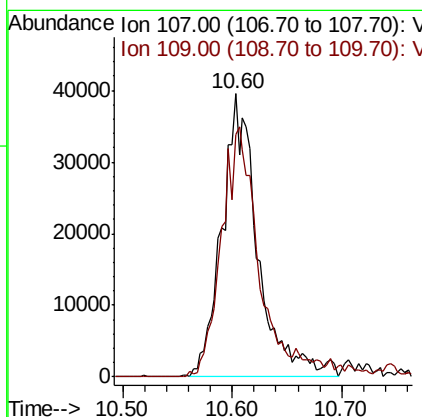
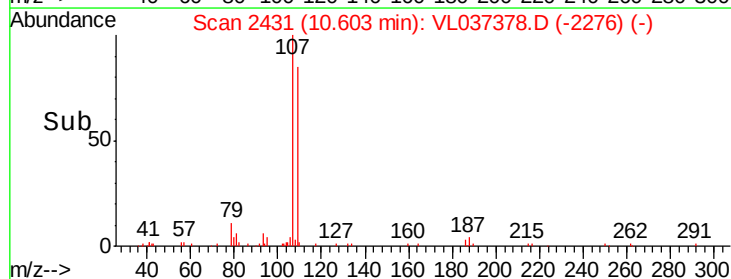
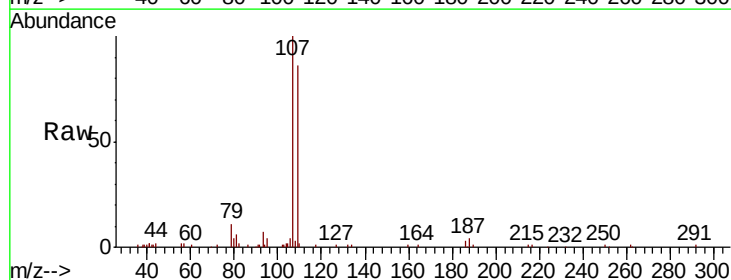


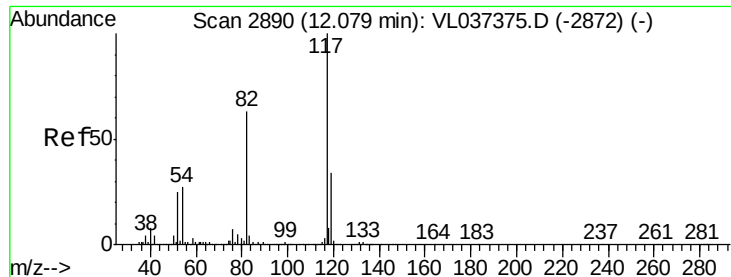
#54

1,2-Dibromoethane

Concen: 0.483 ppbv m
 RT: 10.60 min Scan# 2431
 Delta R.T. -0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Tgt Ion: 107 Resp: 89896
 Ion Ratio Lower Upper
 107 100
 109 85.5 76.7 115.1





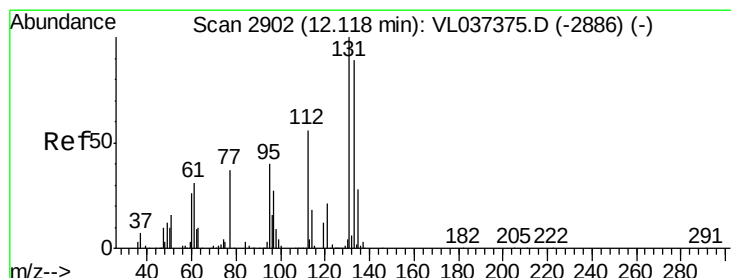
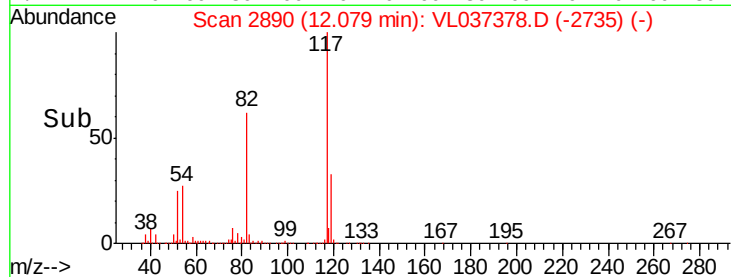
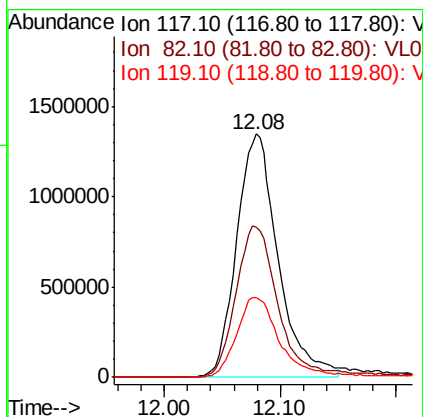
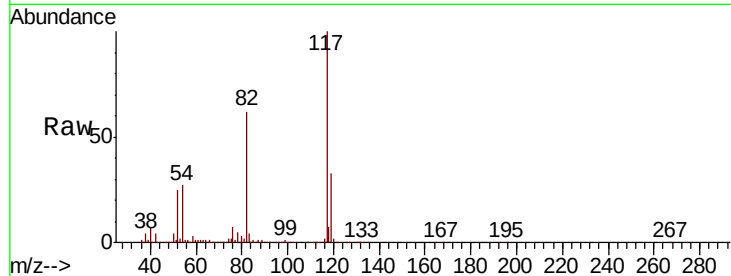
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.9	52.6	78.8
119	34.7	46.6	69.8#

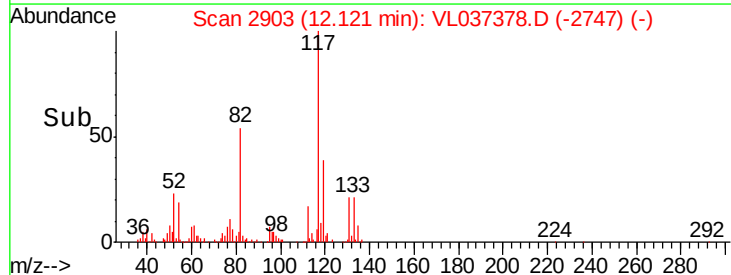
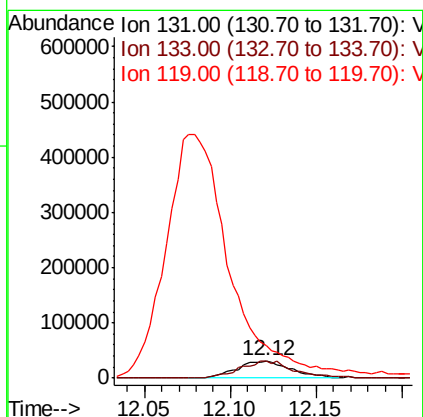
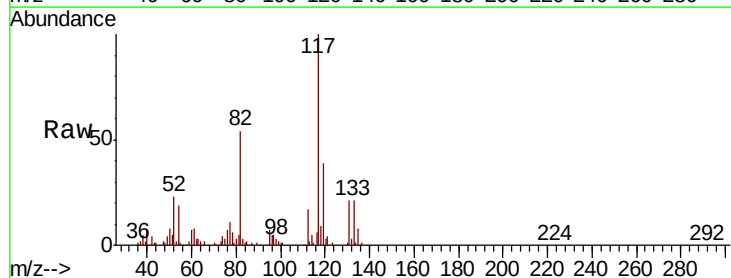
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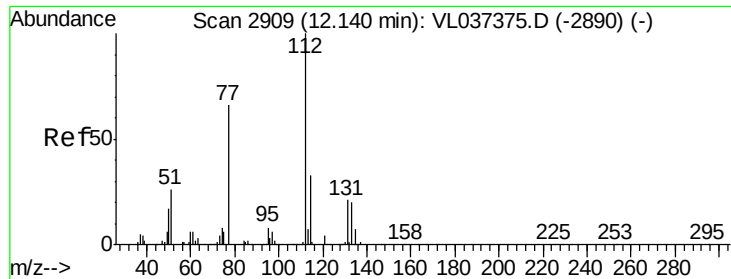
apatel
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.474 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	102.1	79.3	118.9
119	1757.0	126.2	189.2#





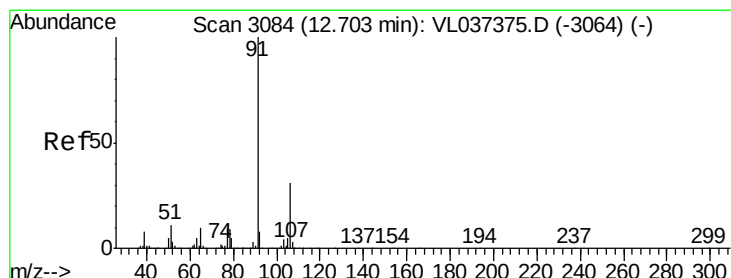
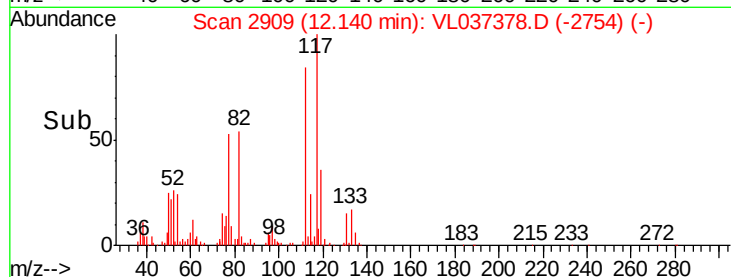
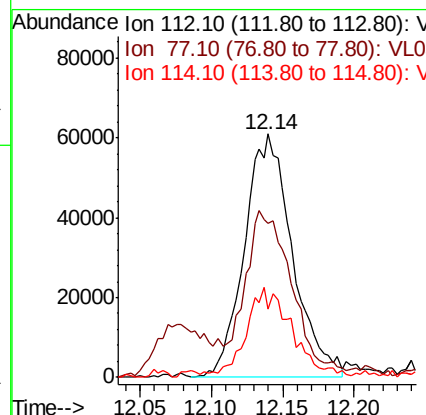
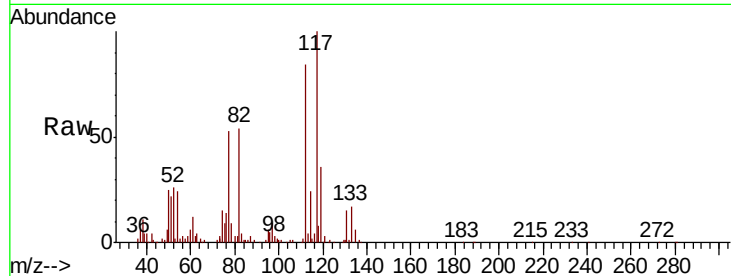
#57
Chlorobenzene
Concen: 0.529 ppbv m
RT: 12.14 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	63.1	52.9	79.3
114	28.1	29.8	36.4#

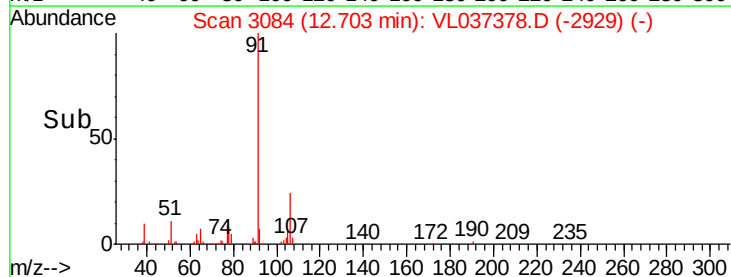
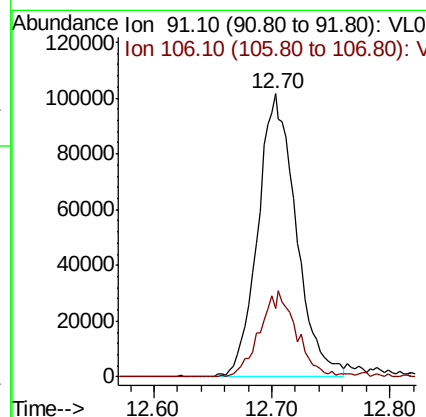
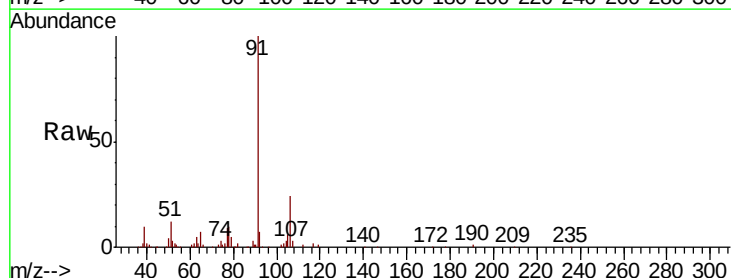
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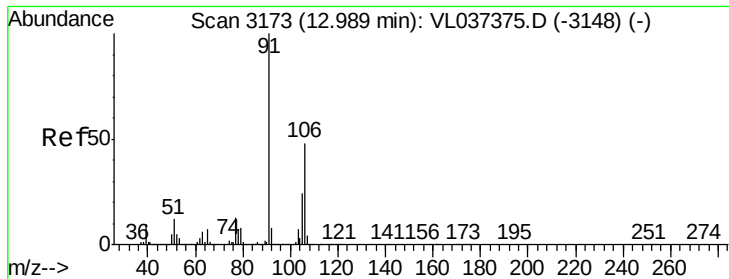
apatel
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#58
Ethyl Benzene
Concen: 0.505 ppbv m
RT: 12.70 min Scan# 3084
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	23.9	24.6	36.8#





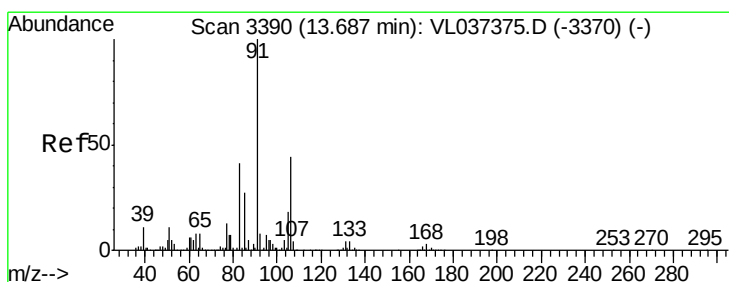
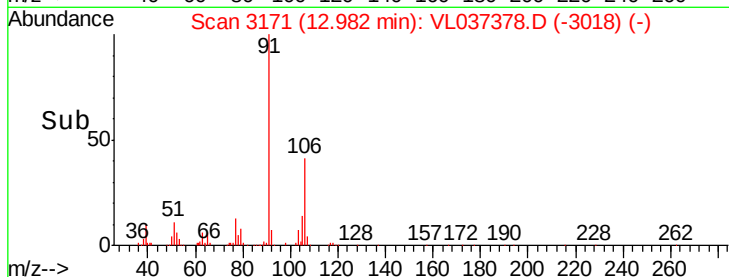
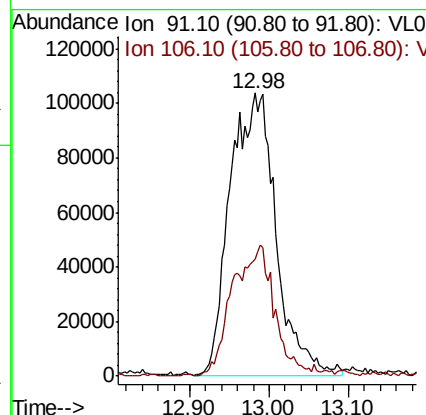
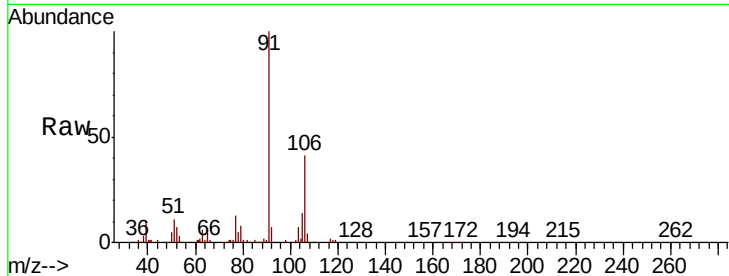
#59
m/p-Xylene
Concen: 1.072 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.01 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampled :
VSTDIC0.5

Tot Ion: 91 Resp: 417260
Ion Ratio Lower Upper
91 100
106 43.0 36.2 54.2

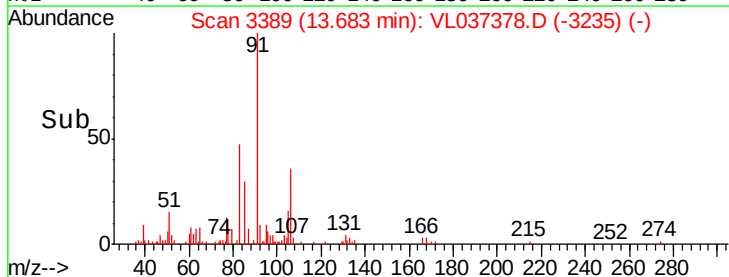
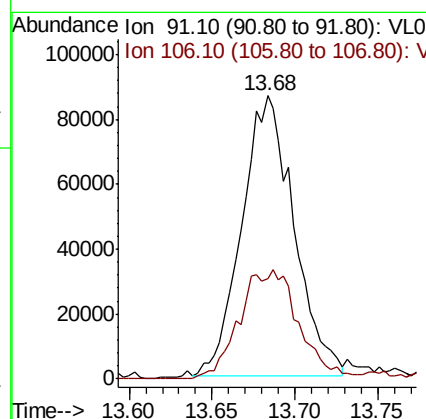
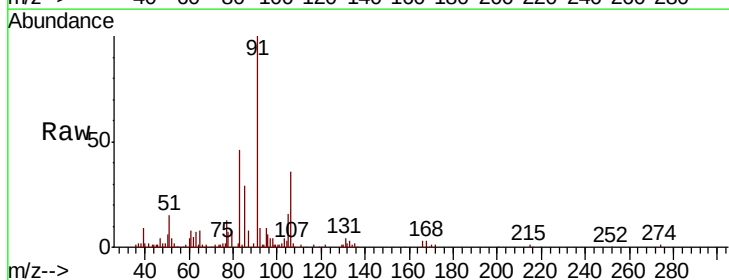
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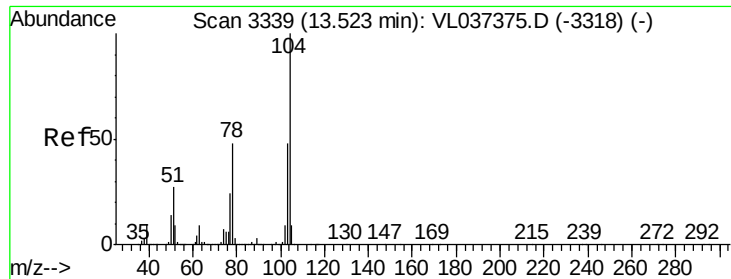
apatel
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#60
o-Xylene
Concen: 0.512 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion: 91 Resp: 188936
Ion Ratio Lower Upper
91 100
106 46.4 23.4 70.0





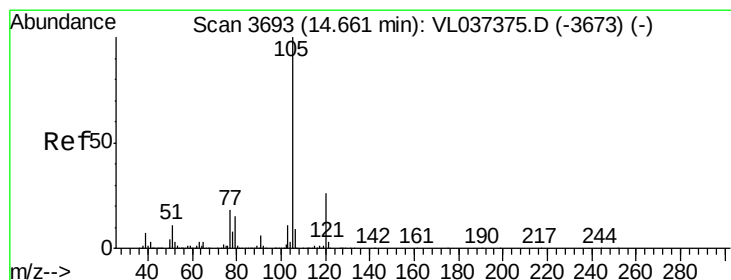
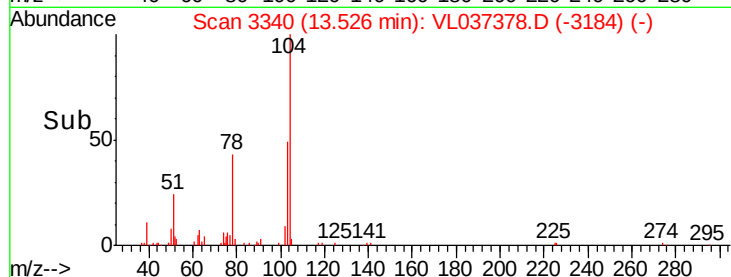
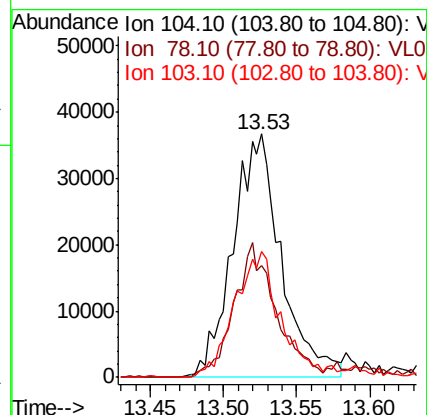
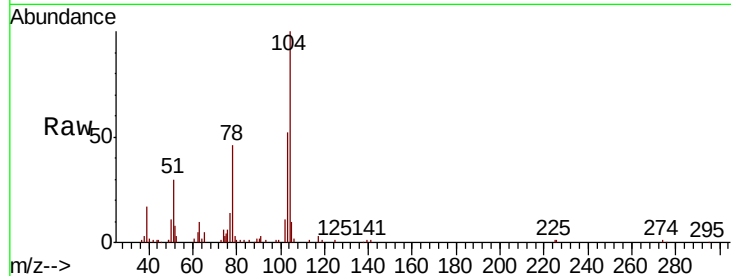
#61
Stvrene
Concen: 0.443 ppbv m
RT: 13.53 min Scan# 3340
Delta R.T. 0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.5	41.4	62.2
103	52.0	40.6	61.0

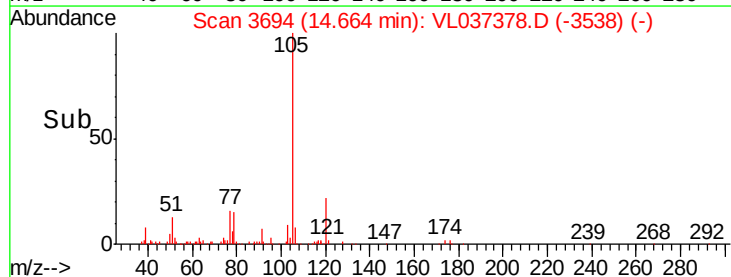
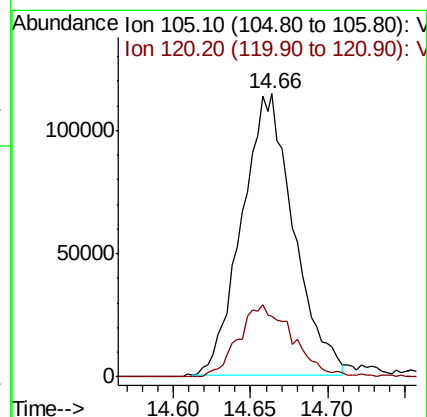
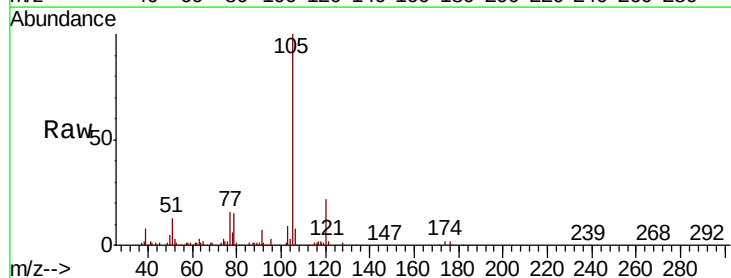
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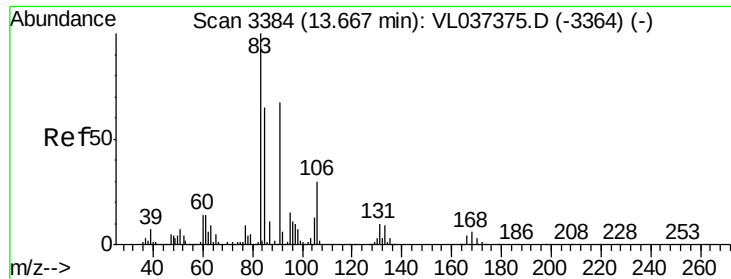
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#62
Isopropylbenzene
Concen: 0.505 ppbv
RT: 14.66 min Scan# 3694
Delta R.T. 0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.4	32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.559 ppbv m

RT: 13.67 min Scan# 3386

Delta R.T. 0.01 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

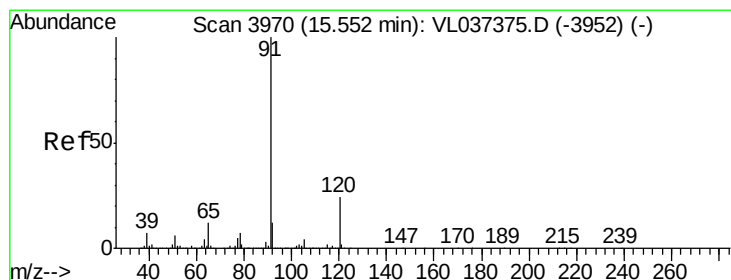
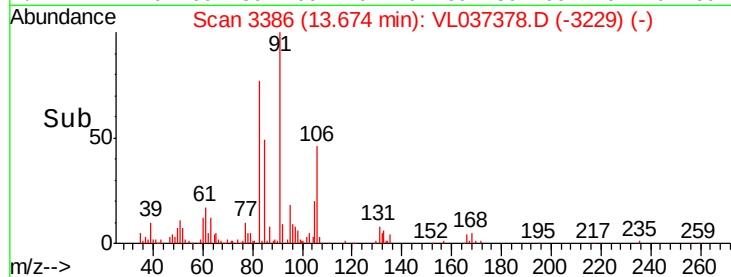
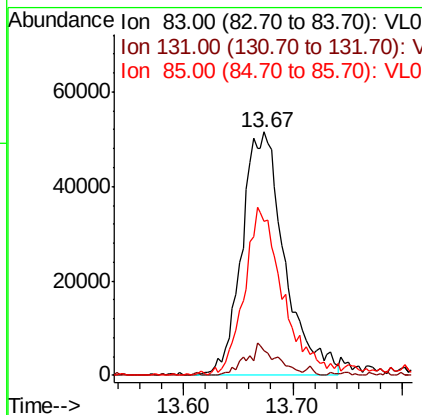
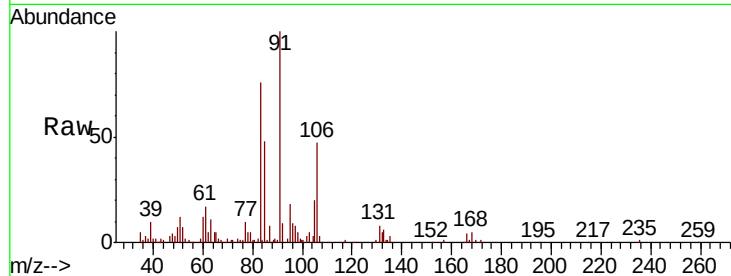
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	139521
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.0	15.0
85	65.4	32.6	97.8

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#64

n-propylbenzene

Concen: 0.490 ppbv m

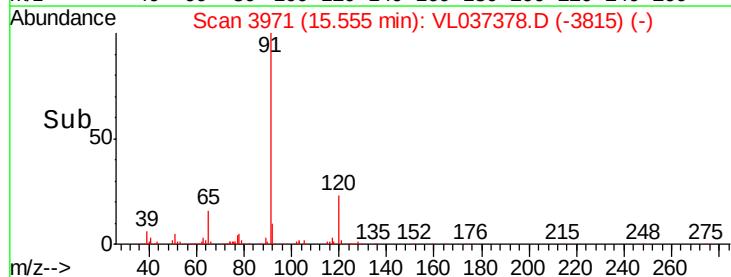
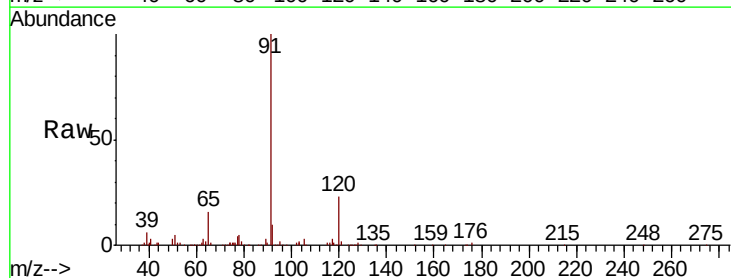
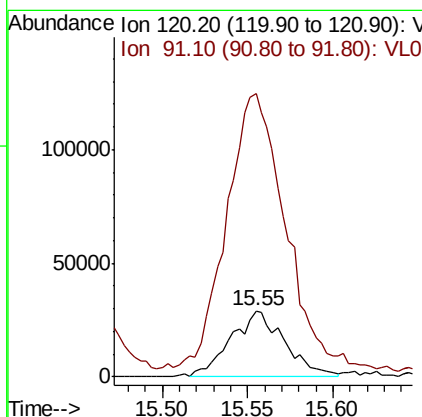
RT: 15.55 min Scan# 3971

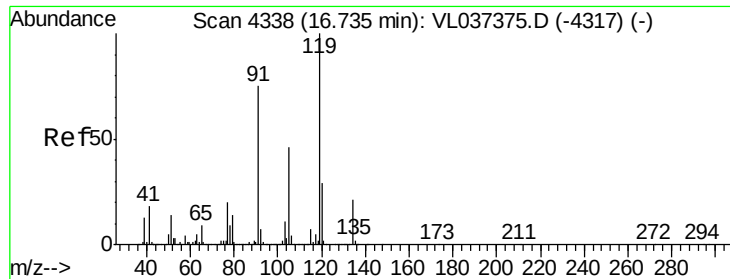
Delta R.T. 0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Tgt Ion:	120	Resp:	64012
Ion Ratio	Lower	Upper	
120	100		
91	517.2	386.1	579.1





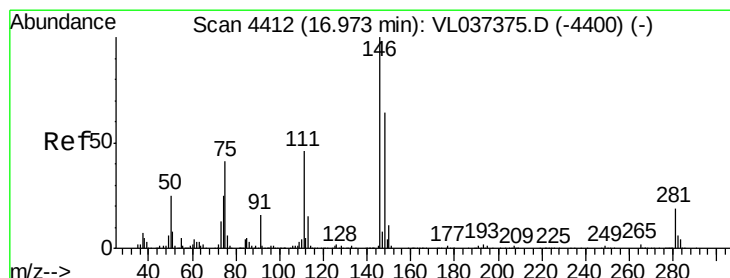
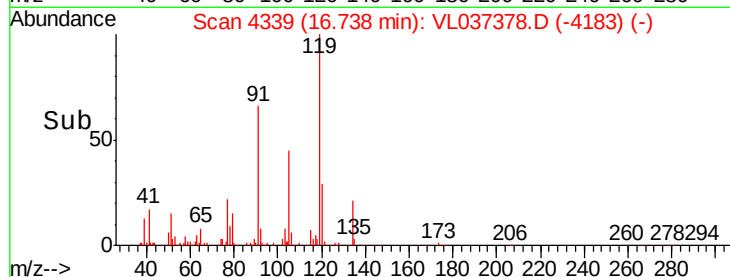
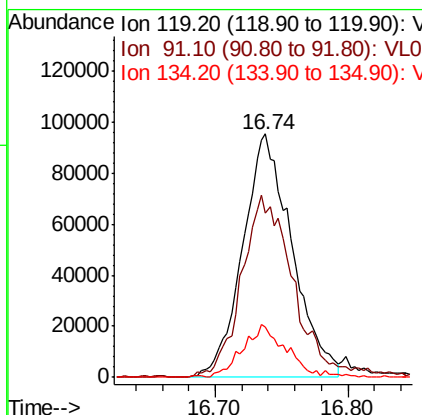
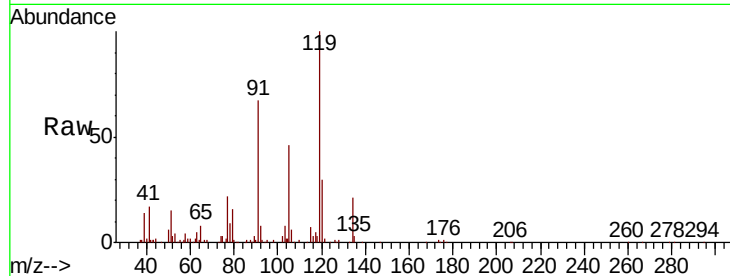
#65
 tert-Butylbenzene
 Concen: 0.529 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. 0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	246276		
91	80.2	63.1	94.7	
134	19.8	16.3	24.5	

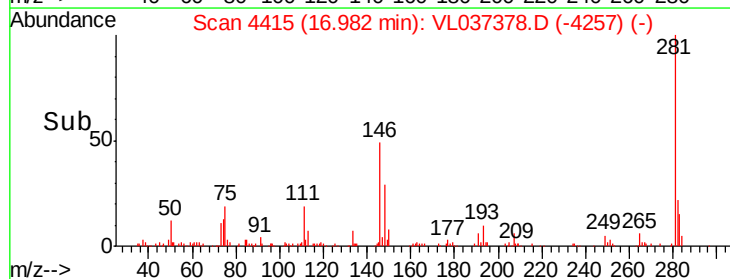
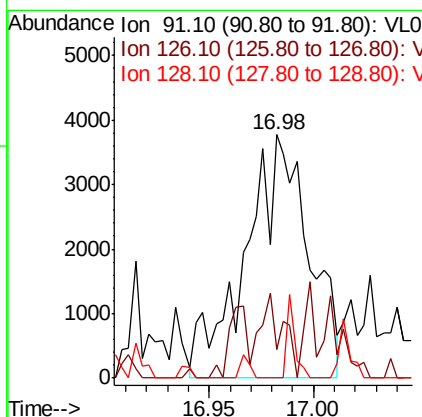
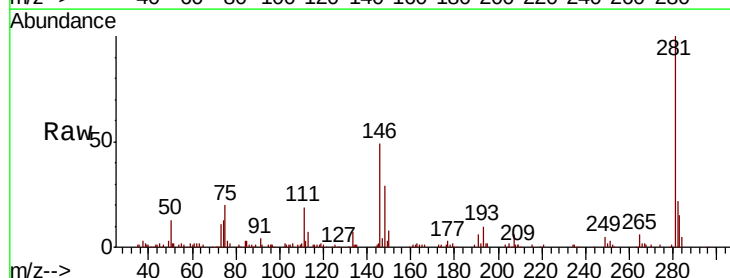
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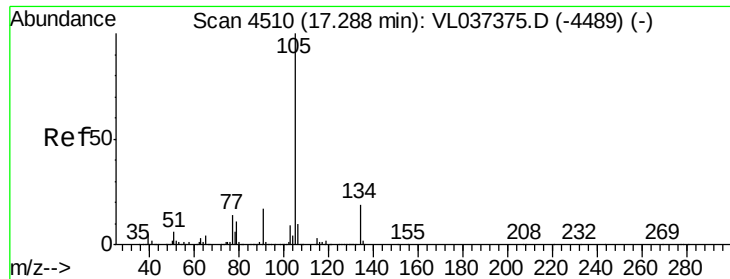
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#66
 Benzyl Chloride
 Concen: 0.390 ppbv m
 RT: 16.98 min Scan# 4415
 Delta R.T. 0.01 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	8006		
126	0.0	13.4	20.0#	
128	3.4	5.6	8.4#	





#67

sec-Butylbenzene

Concen: 0.536 ppbv m

RT: 17.29 min Scan# 4510

Delta R.T. -0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 105 Resp: 336526

Ion Ratio Lower Upper

105 100

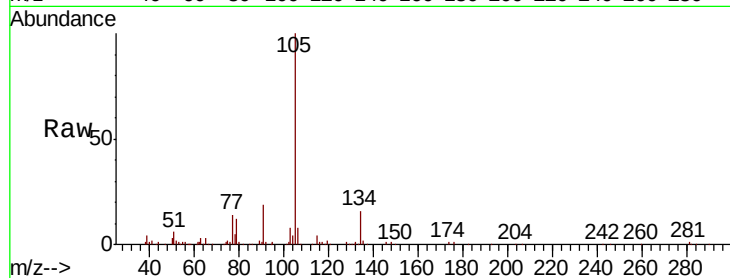
134 0.0 14.7 22.1#

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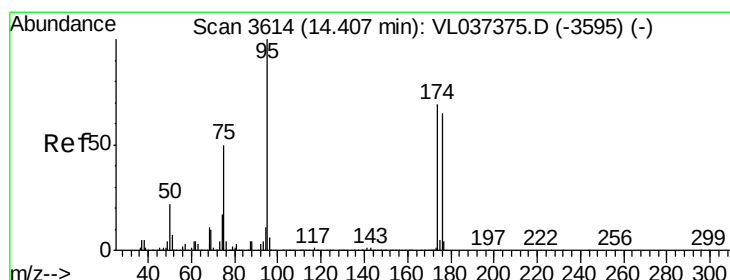
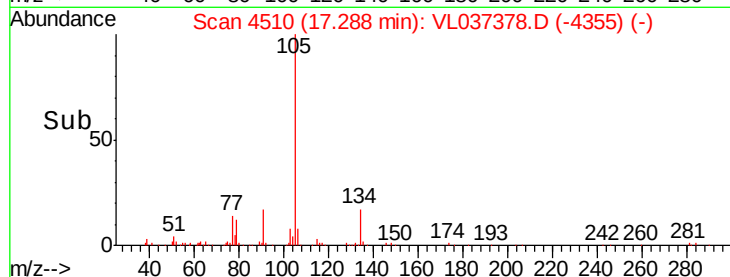
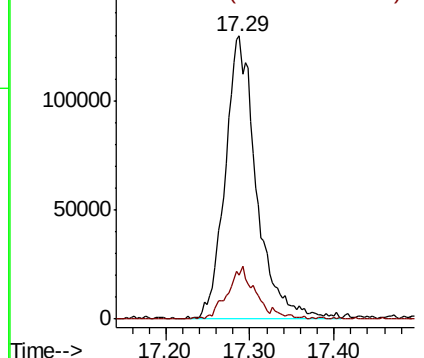
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.990 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

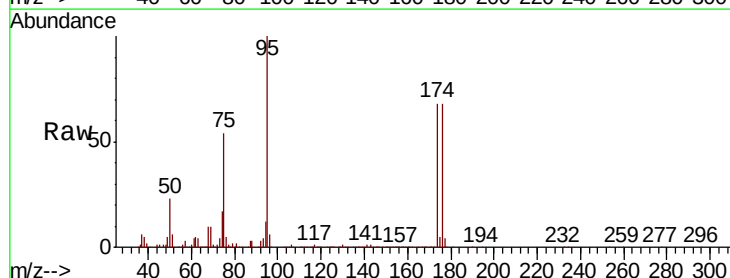
Tgt Ion: 95 Resp: 2518301

Ion Ratio Lower Upper

95 100

174 73.3 58.3 87.5

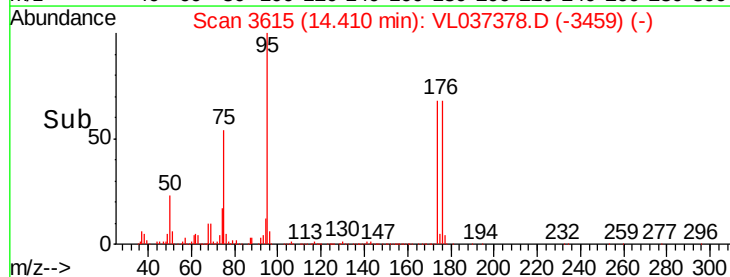
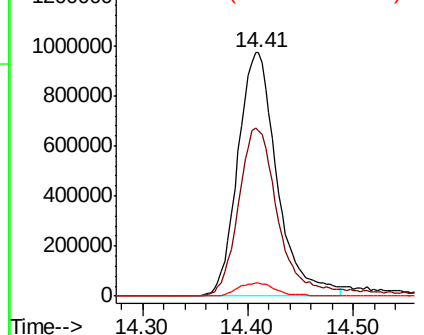
175 5.5 4.3 6.5

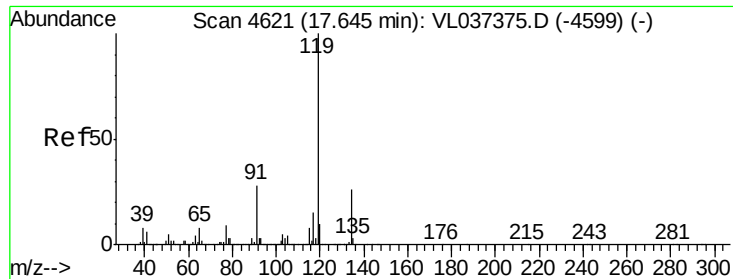


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





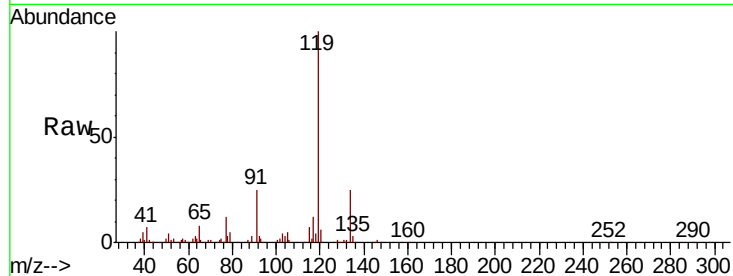
#69
 p-Isopropyltoluene
 Concen: 0.484 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

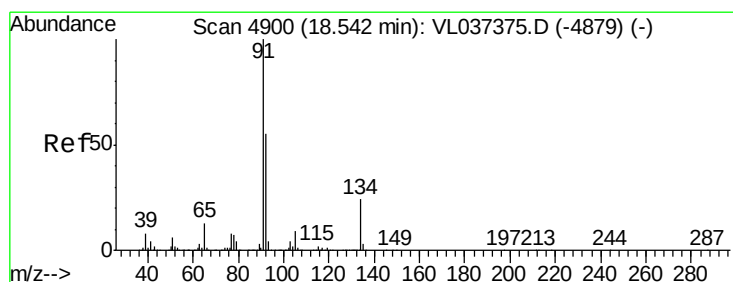
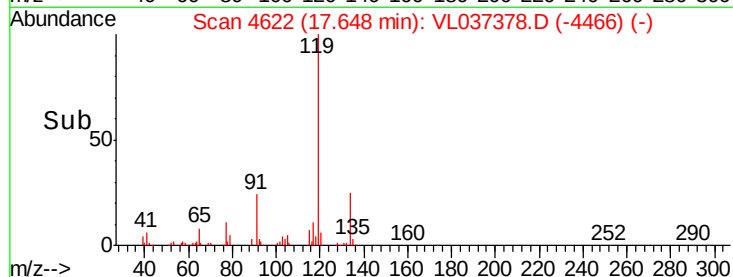
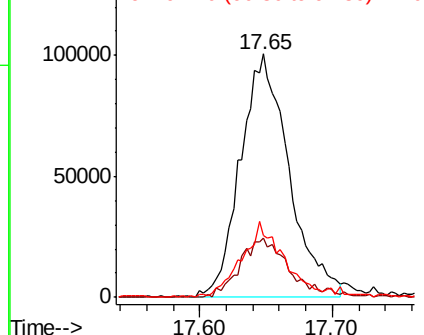
Tot Ion	Ratio	Resp Lower	Upper
119	100		
134	25.1	20.5	30.7
91	29.1	22.6	34.0

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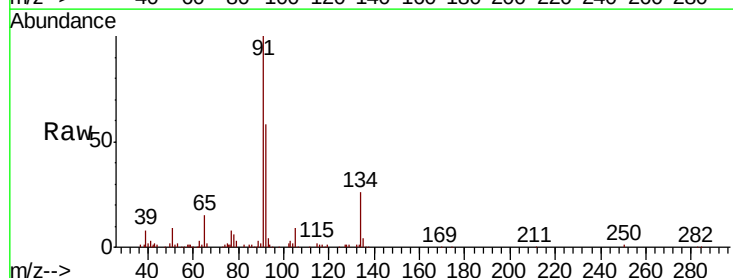


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

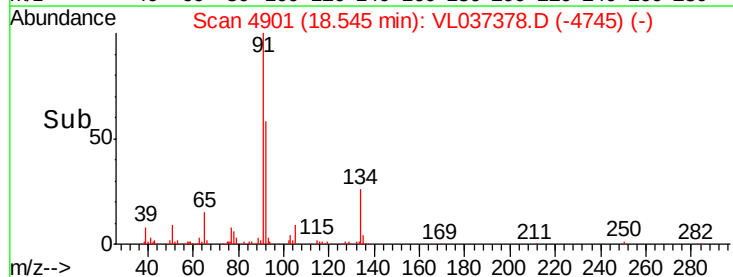
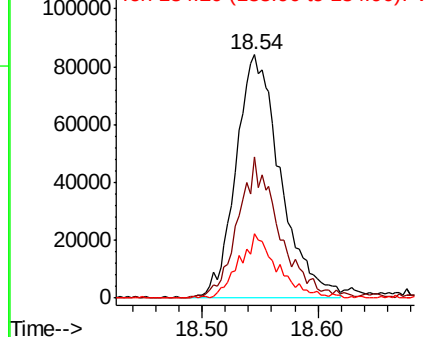


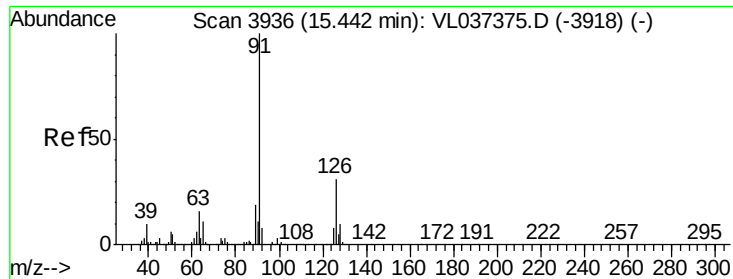
#70
 n-Butylbenzene
 Concen: 0.458 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T. 0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
92	54.9	43.7	65.5
134	23.5	19.4	29.0



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





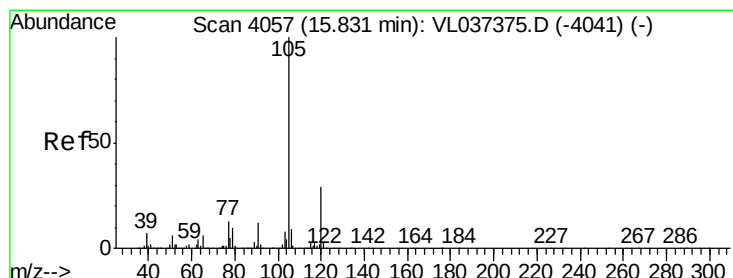
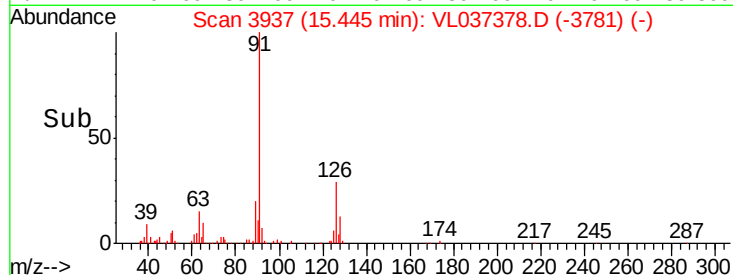
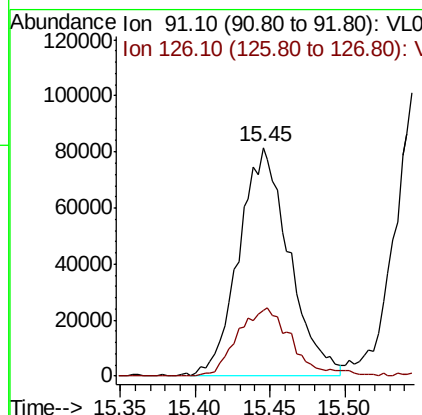
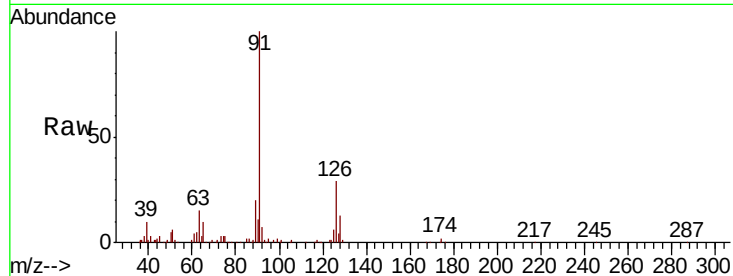
#71
2-Chlorotoluene
Concen: 0.511 ppbv
RT: 15.45 min Scan# 3937
Delta R.T. 0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
91	100		
126	32.8	13.3	53.3

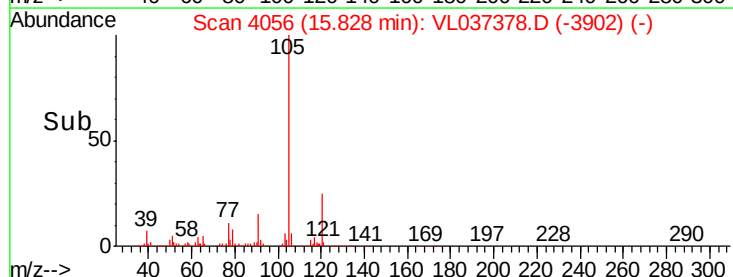
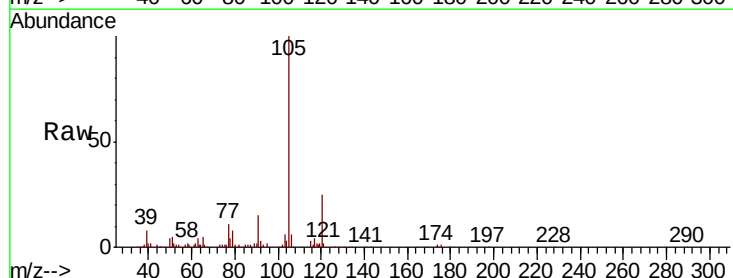
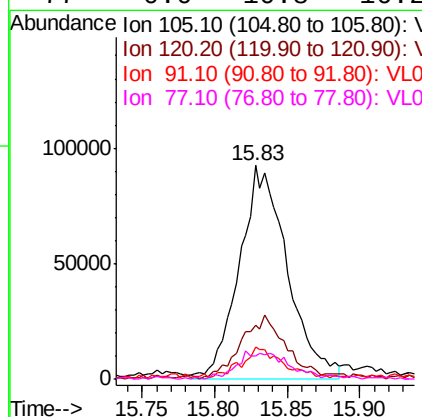
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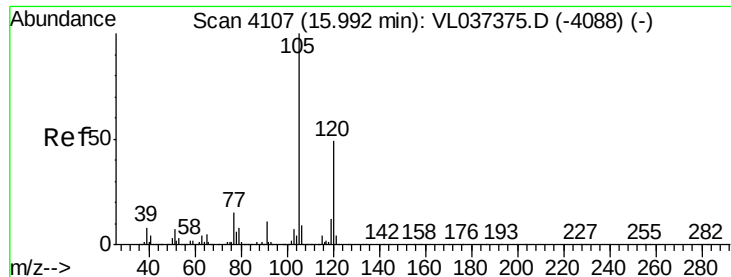
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#72
4-Ethyltoluene
Concen: 0.504 ppbv m
RT: 15.83 min Scan# 4056
Delta R.T. -0.00 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.0	24.6	36.8
91	0.0	9.8	14.6#
77	0.0	10.8	16.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.495 ppbv m

RT: 15.99 min Scan# 4106

Delta R.T. -0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 201208

Ion Ratio Lower Upper

105 100

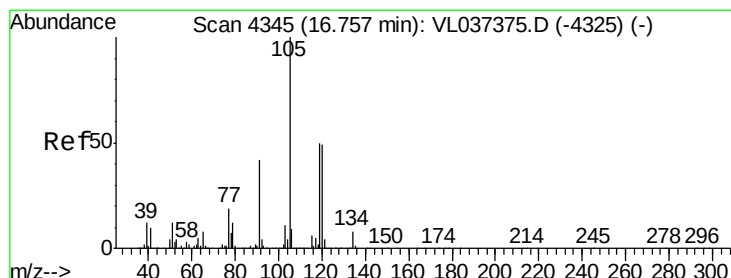
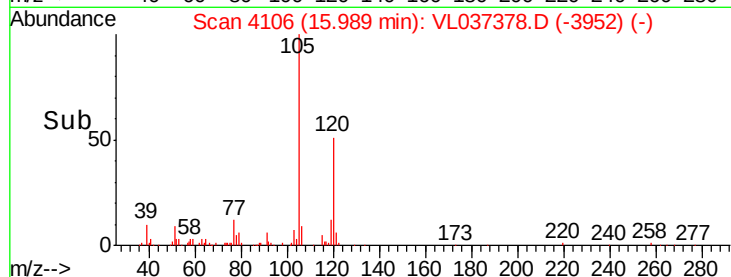
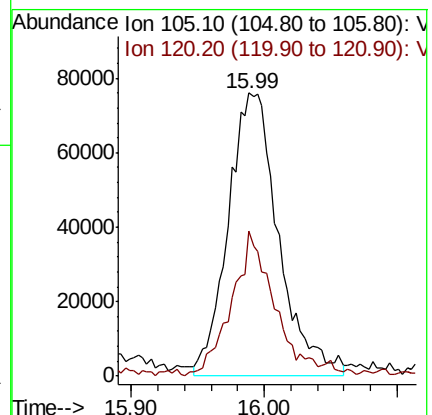
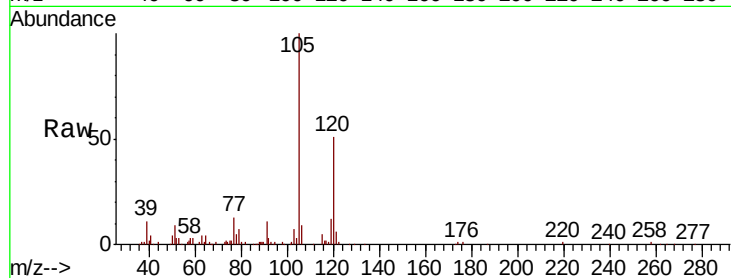
120 51.1 38.9 58.3

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#74

1,2,4-Trimethylbenzene

Concen: 0.481 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. -0.00 min

Lab File: VL037378.D

Acq: 11 Aug 2021 4:22

Tgt Ion:105 Resp: 201046

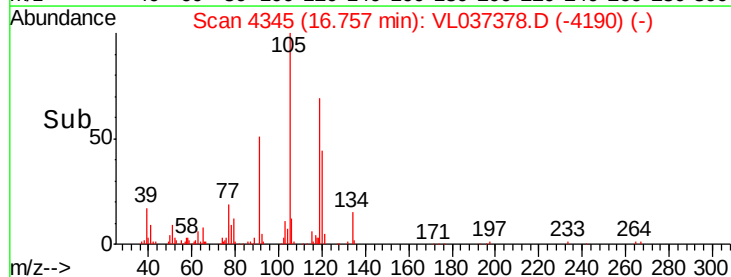
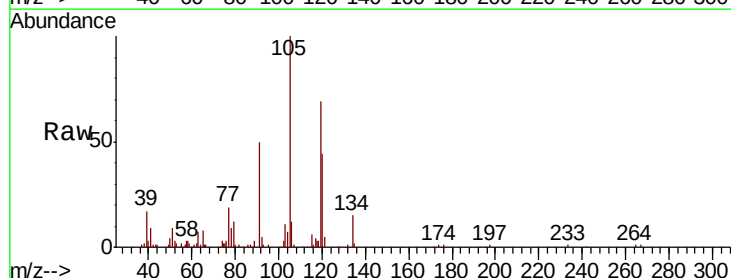
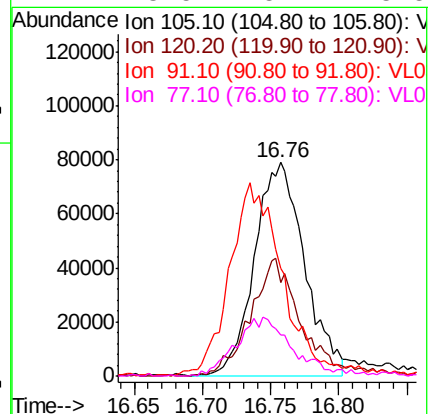
Ion Ratio Lower Upper

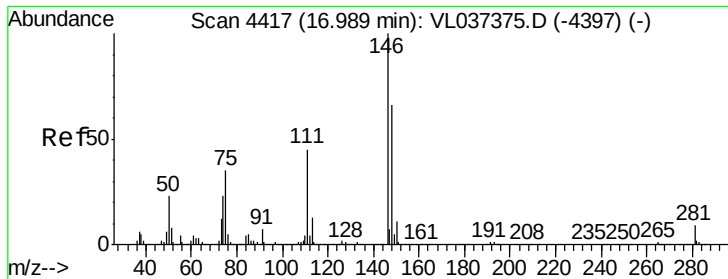
105 100

120 43.2 39.0 58.4

91 47.0 34.4 51.6

77 18.5 15.7 23.5





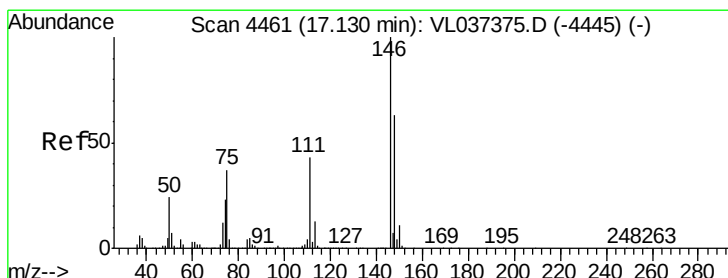
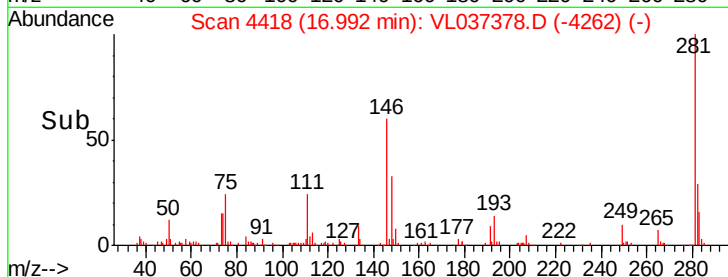
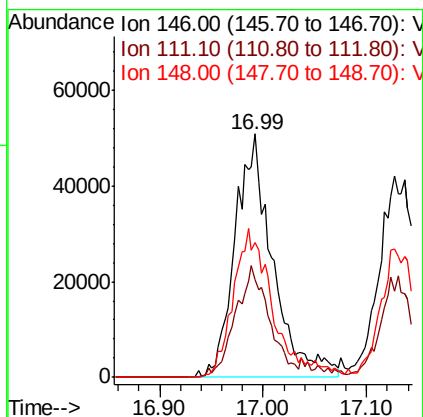
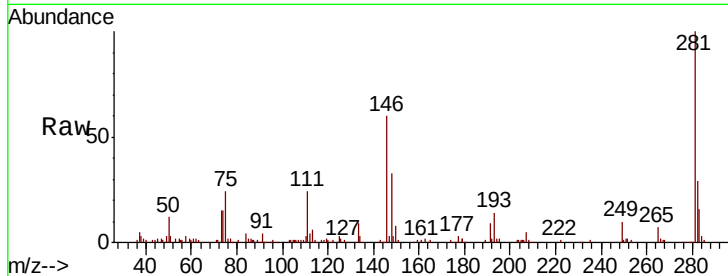
#75
 1,3-Dichlorobenzene
 Concen: 0.504 ppbv m
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	146	Resp:	128137
Ion Ratio	Lower	Upper	
146	100		
111	45.6	22.9	68.7
148	64.5	31.8	95.3

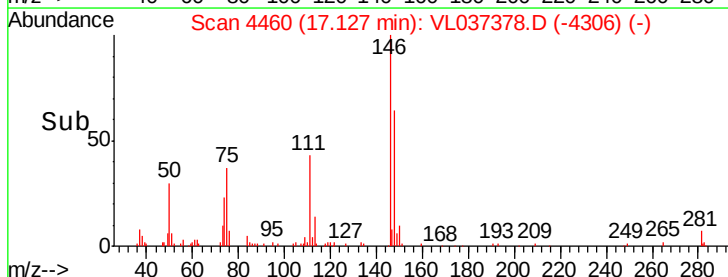
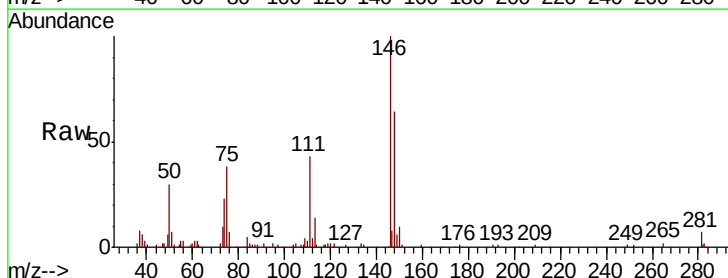
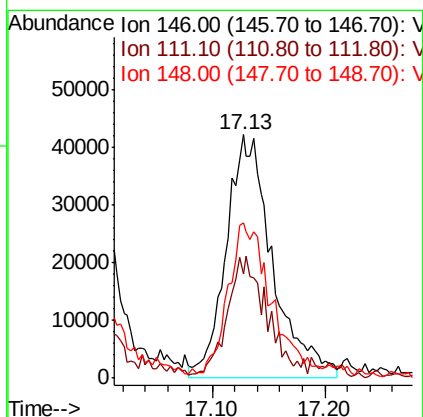
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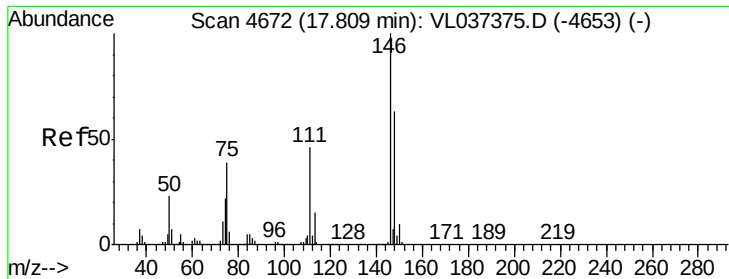
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#76
 1,4-Dichlorobenzene
 Concen: 0.477 ppbv m
 RT: 17.13 min Scan# 4460
 Delta R.T. -0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Tgt Ion:	146	Resp:	121243
Ion Ratio	Lower	Upper	
146	100		
111	42.6	23.3	69.9
148	64.5	32.9	98.7





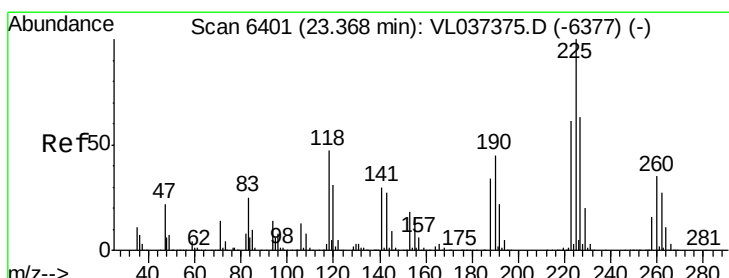
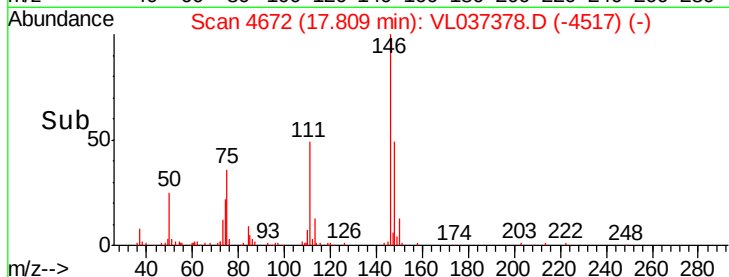
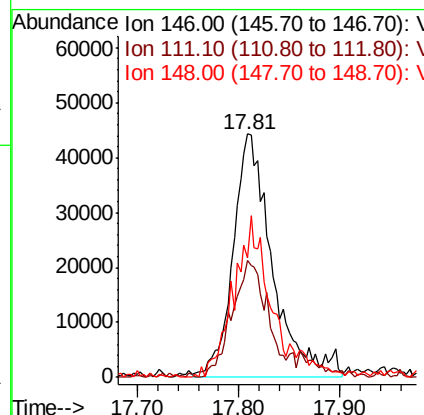
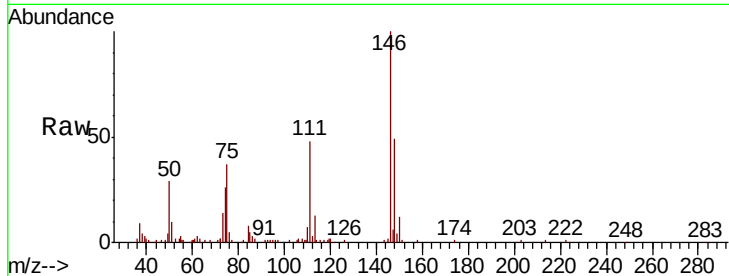
#77
 1,2-Dichlorobenzene
 Concen: 0.486 ppbv m
 RT: 17.81 min Scan# 4672
 Delta R.T. -0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119682		
111	49.8	23.4	70.2	
148	63.9	32.3	96.9	

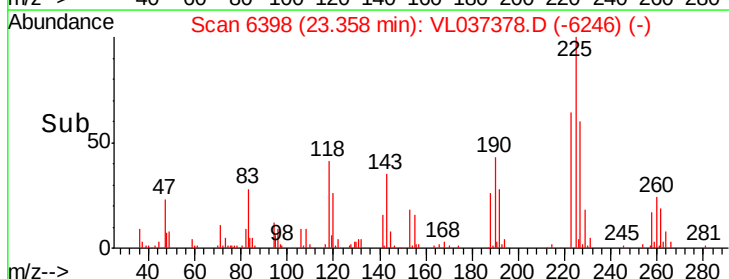
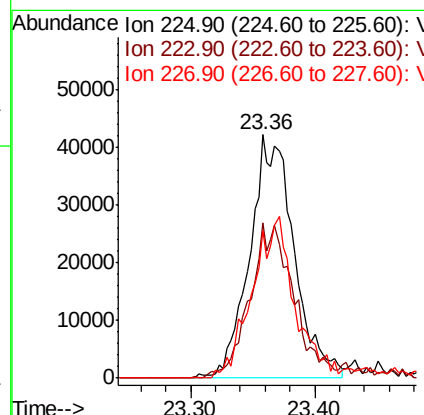
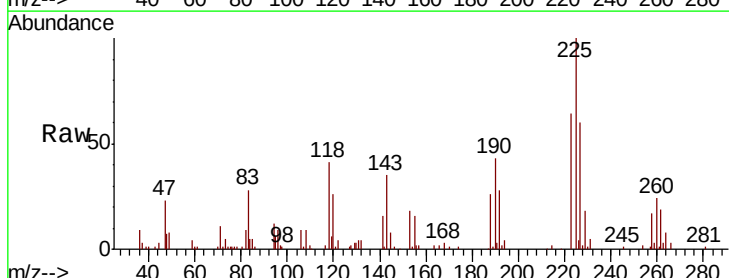
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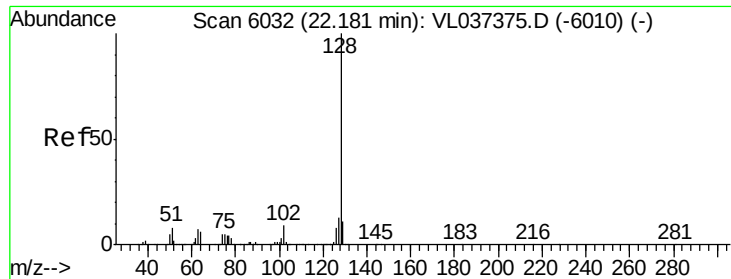
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.497 ppbv m
 RT: 23.36 min Scan# 6398
 Delta R.T. -0.01 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104597		
223	0.0	51.8	77.8#	
227	66.1	52.3	78.5	





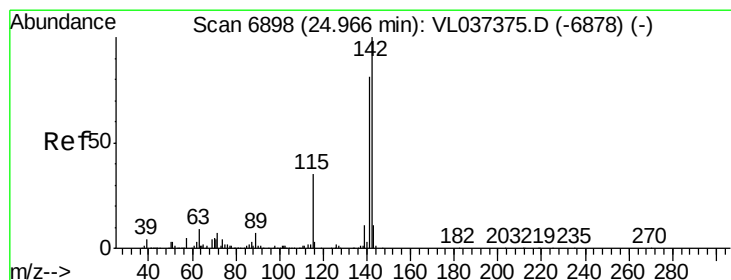
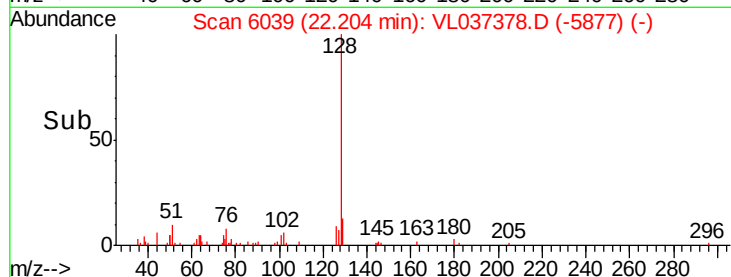
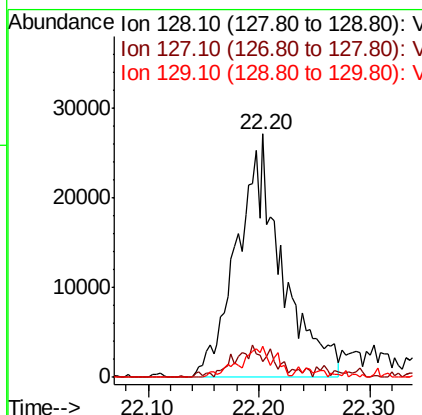
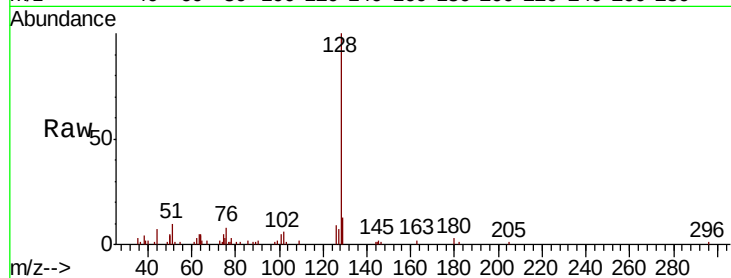
#79
Naphthalene
Concen: 0.227 ppbv m
RT: 22.20 min Scan# 6039
Delta R.T. 0.02 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
128	100		
127	6.7	10.6	15.8#
129	13.0	9.0	13.4

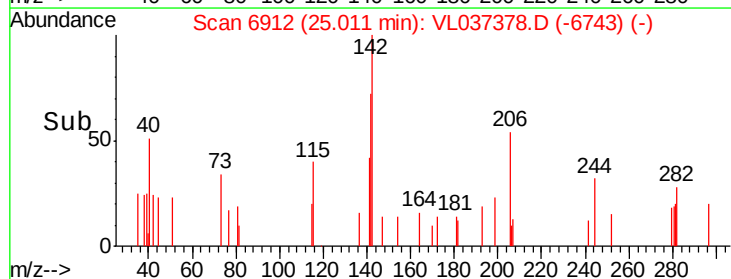
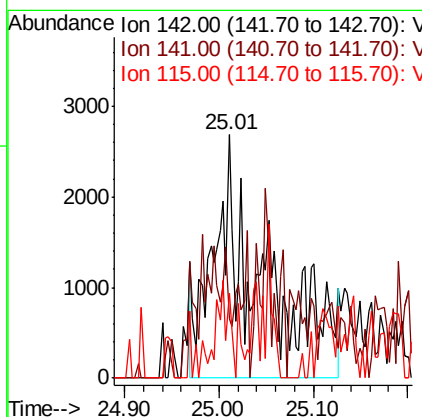
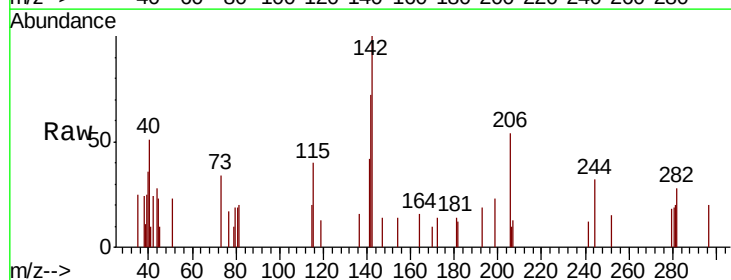
Manual Integrations
APPROVED

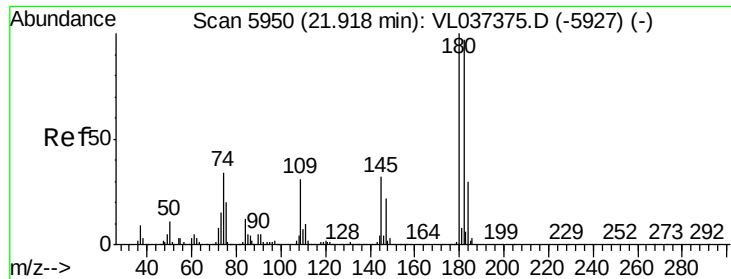
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8/12/2021 10:16:41 AM



#80
Naphthalene, 2-methyl-
Concen: 0.119 ppbv m
RT: 25.01 min Scan# 6912
Delta R.T. 0.04 min
Lab File: VL037378.D
Acq: 11 Aug 2021 4:22

Tgt Ion	Ratio	Lower	Upper
142	100		
141	44.2	73.3	109.9#
115	18.1	31.2	46.8#





#81
 1,2,4-Trichlorobenzene
 Concen: 0.332 ppbv m
 RT: 21.92 min Scan# 5950
 Delta R.T. -0.00 min
 Lab File: VL037378.D
 Acq: 11 Aug 2021 4:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.9	115.3
184	0.0	24.6	36.8

Manual Integrations
 APPROVED

apatel
 8/12/2021 10:16:41 AM

