

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
 Data File : VL039482.D
 Acq On : 19 Jul 2022 14:38
 Operator : SY/AP
 Sample : VL0719ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0719ABS01

Quant Time: Jul 20 05:38:05 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1180835	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3289809	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3237000	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2497968	10.40	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1069324	6.278 ppbv	99
3) Chlorodifluoromethane	3.00	51	1430671	9.550 ppbv	99
4) Chloromethane	3.15	50	784524	9.575 ppbv	97
5) Vinyl Chloride	3.27	62	735984	9.109 ppbv	100
6) Bromomethane	3.48	94	343623	10.105 ppbv	99
7) Chloroethane	3.57	64	274200	9.541 ppbv	98
8) Dichlorotetrafluoroethane	3.20	85	1564639	8.410 ppbv	98
9) Propene	3.02	41	629591	9.306 ppbv	98
10) Heptane	8.13	43	1610234	10.162 ppbv	99
11) Trichlorofluoromethane	3.96	101	1817047	9.573 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1321549	9.340 ppbv	99
13) Ethanol	3.61	45	19543	4.979 ppbv #	45
14) Bromoethene	3.75	108	587787	9.881 ppbv	99
15) Acetone	3.85	43	1375913	9.849 ppbv	100
16) 1,3-Butadiene	3.34	39	726279	10.020 ppbv	100
17) tert-Butyl alcohol	4.29	59	1344667	11.341 ppbv	100
18) 1,1-Dichloroethene	4.30	96	610161	9.519 ppbv	96
19) Isopropyl Alcohol	3.97	45	799798	10.733 ppbv #	97
20) Methylene Chloride	4.35	84	517206	9.288 ppbv	96
21) Allyl Chloride	4.42	41	957412	9.895 ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	604725	9.746 ppbv	94
23) Vinyl Acetate	5.08	43	1063083	11.387 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1382174	10.483 ppbv	97
25) Ethyl Acetate	5.69	43	2946405	10.286 ppbv	99
26) Hexane	5.70	57	1240124	10.740 ppbv	99
27) Carbon Disulfide	4.56	76	1479762	10.617 ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1354488	10.971 ppbv	97
29) Chloroform	5.76	83	1983569	9.879 ppbv	99
30) Cyclohexane	7.15	84	1060662	10.090 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1248393	10.190 ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	2019725	10.191 ppbv	99
34) 2-Butanone	5.25	43	1730814	10.452 ppbv	100
35) Carbon Tetrachloride	7.03	117	2138999	10.522 ppbv	99
36) Benzene	6.91	78	2615419	10.272 ppbv	99
37) 1,2-Dichloroethane	6.32	62	1522342	10.130 ppbv	100
38) Trichloroethene	7.85	130	1397468	10.148 ppbv	98
39) 1,2-Dichloropropane	7.63	63	968859	10.186 ppbv	96
40) 1,4-Dioxane	7.84	88	390992	10.315 ppbv #	1
41) Tetrahydrofuran	6.06	42	1016388	10.591 ppbv	99
42) Bromodichloromethane	7.81	83	2163902	10.679 ppbv	100
43) Methyl Methacrylate	8.02	69	1060598	10.955 ppbv	100

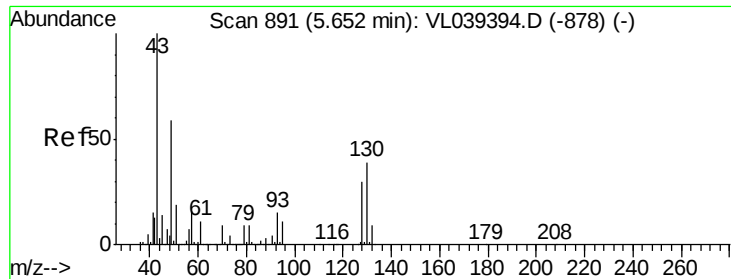
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
 Data File : VL039482.D
 Acq On : 19 Jul 2022 14:38
 Operator : SY/AP
 Sample : VL0719ABS01
 Misc : 400mL/MSVOA L
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Instrument :
 MSVOA L
 ClientSampleId :
 VL0719ABS01

Quant Time: Jul 20 05:38:05 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4324579	10.023	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1073813	12.457	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1402143	11.818	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1080637	10.125	ppbv	98
48) Dibromochloromethane	10.32	129	1923877	11.342	ppbv	100
49) Bromoform	13.05	173	1611101	11.773	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2697626	10.773	ppbv	100
51) 2-Hexanone	10.14	43	1053350	5.561	ppbv #	29
52) Tetrachloroethene	11.24	164	1034707	10.095	ppbv	97
53) Toluene	9.82	91	3133291	10.669	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1450453	10.922	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1433389	10.024	ppbv	97
57) Chlorobenzene	12.16	112	2398014	9.555	ppbv	97
58) Ethyl Benzene	12.73	91	4222699	10.103	ppbv	100
59) m/p-Xylene	13.01	91	3852290	10.454	ppbv #	38
60) o-Xylene	13.71	91	3492153	10.008	ppbv	99
61) Styrene	13.54	104	2080441	11.006	ppbv	99
62) Isopropylbenzene	14.68	105	5193843	9.774	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	1637722	8.954	ppbv	99
64) n-propylbenzene	15.57	120	1350528	10.027	ppbv	99
65) tert-Butylbenzene	16.75	119	4741806	9.657	ppbv	100
66) Benzyl Chloride	17.00	91	526376	11.281	ppbv	100
67) sec-Butylbenzene	17.31	105	6477875	9.794	ppbv	100
69) p-Isopropyltoluene	17.66	119	5591297	9.963	ppbv	100
70) n-Butylbenzene	18.56	91	5448360	10.003	ppbv	99
71) 2-Chlorotoluene	15.47	91	3786681	9.957	ppbv	100
72) 4-Ethyltoluene	15.85	105	4307693	10.500	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	3911159	10.380	ppbv	98
74) 1,2,4-Trimethylbenzene	16.78	105	4142772	9.939	ppbv	97
75) 1,3-Dichlorobenzene	17.01	146	2429845	9.772	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	2450353	9.943	ppbv	97
77) 1,2-Dichlorobenzene	17.83	146	2404129	9.755	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1700560	8.579	ppbv	99
79) Naphthalene	22.21	128	3327024	11.598	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	1259859	12.904	ppbv	98
81) 1,2,4-Trichlorobenzene	21.94	180	1925428	10.305	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. 0.02 min

Lab File: ClientSampleId: VL0719ABS01

Acq: 19 Jul 2022 14:38

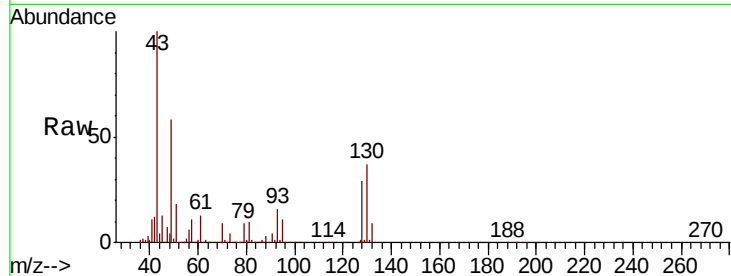
Tot Ion: 49 Resp: 1180835

Ion Ratio Lower Upper

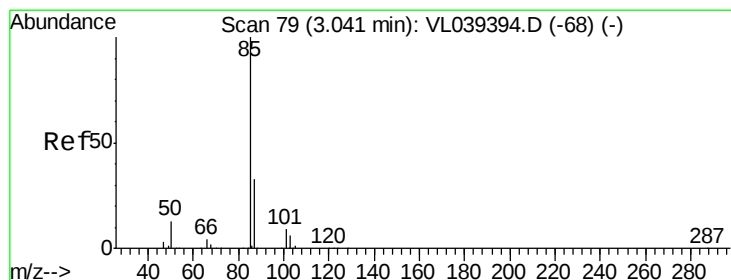
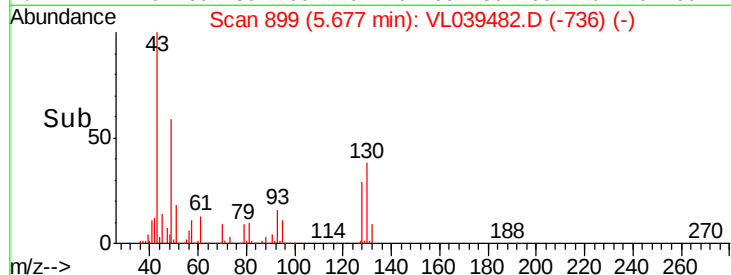
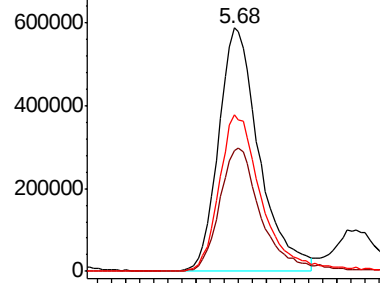
49 100

128 53.2 26.7 80.0

130 68.9 34.3 102.8



Abundance Ion 49.10 (48.80 to 49.80): VL0
800000
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.278 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL039482.D

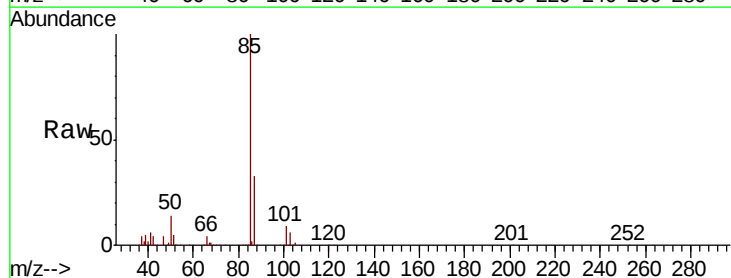
Acq: 19 Jul 2022 14:38

Tgt Ion: 85 Resp: 1069324

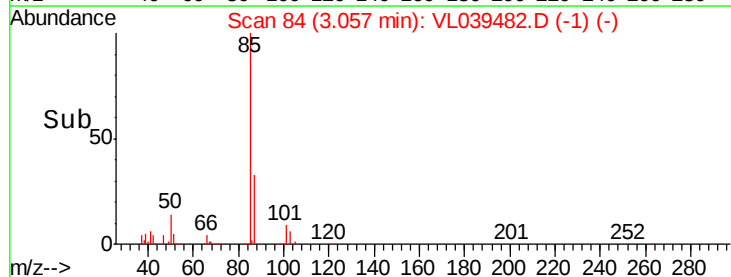
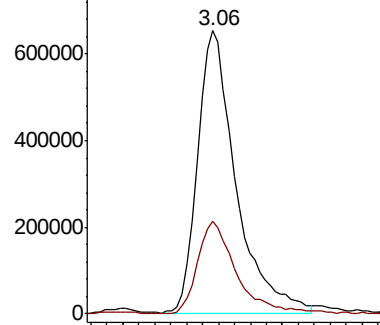
Ion Ratio Lower Upper

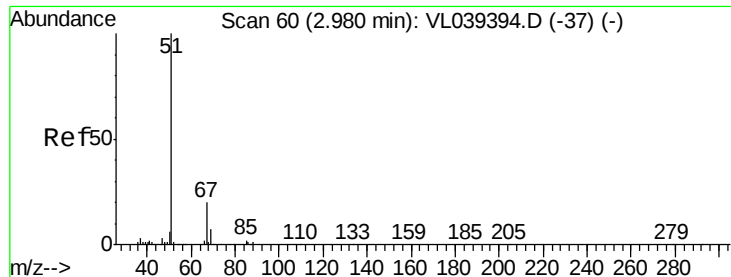
85 100

87 32.6 26.7 40.1



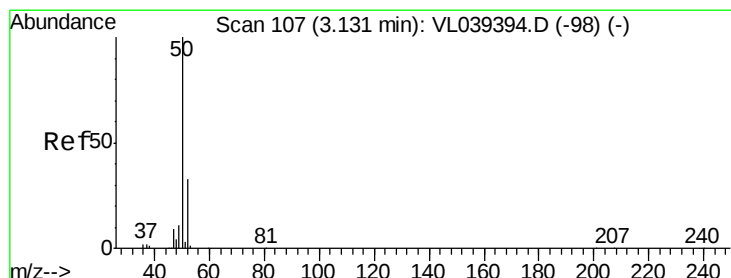
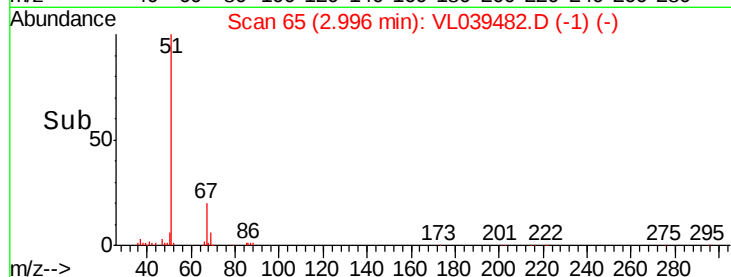
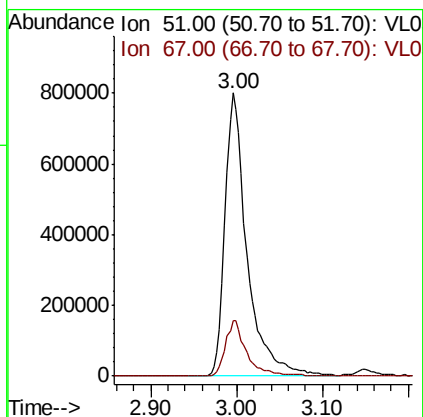
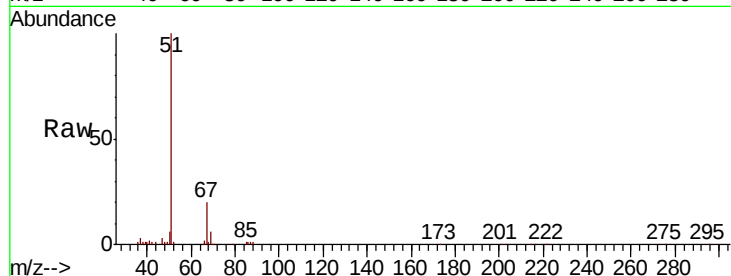
Abundance Ion 85.00 (84.70 to 85.70): VL0
600000
Ion 87.00 (86.70 to 87.70): VL0





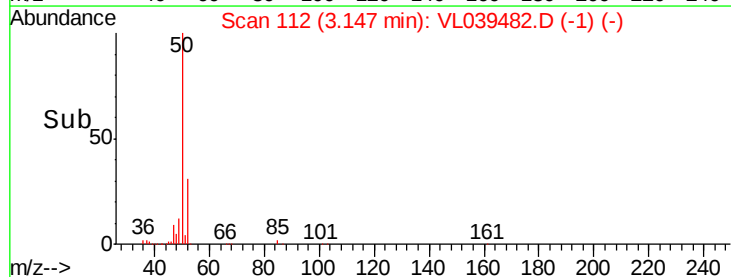
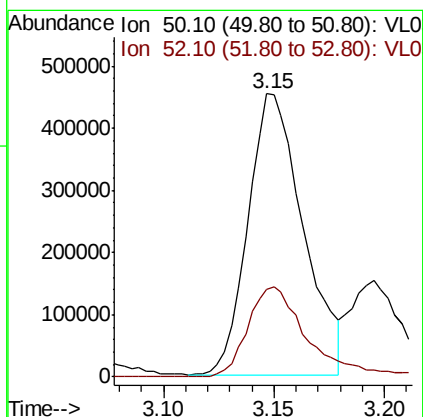
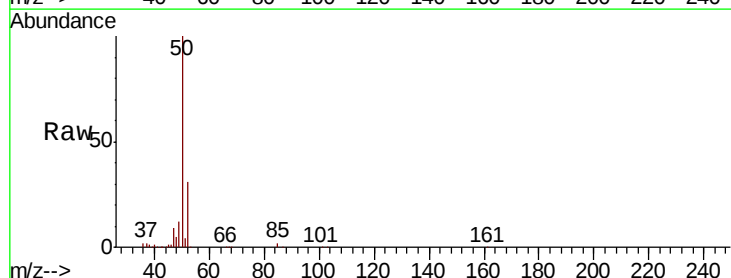
#3
 Chlorodifluoromethane
 Concen: 9.550 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0719ABS01
 Acq: 19 Jul 2022 14:38

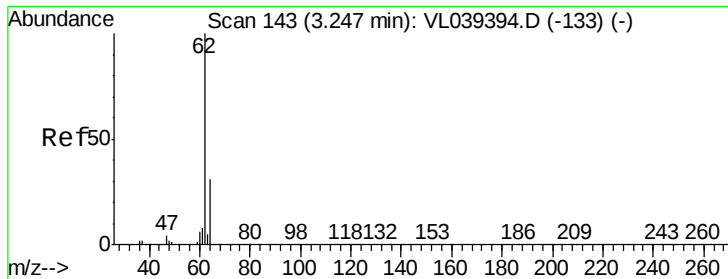
Tot Ion: 51 Resp: 1430671
 Ion Ratio Lower Upper
 51 100
 67 19.1 15.7 23.5



#4
 Chloromethane
 Concen: 9.575 ppbv
 RT: 3.15 min Scan# 112
 Delta R.T. 0.02 min
 Lab File: VL039482.D
 Acq: 19 Jul 2022 14:38

Tgt Ion: 50 Resp: 784524
 Ion Ratio Lower Upper
 50 100
 52 31.4 26.5 39.7





#5

Vinyl Chloride

Concen: 9.109 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

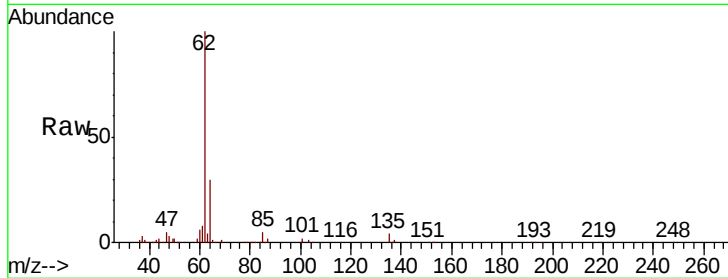
Acq: 19 Jul 2022 14:38

Tot Ion: 62 Resp: 735984

Ion Ratio Lower Upper

62 100

64 30.5 24.6 36.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

400000

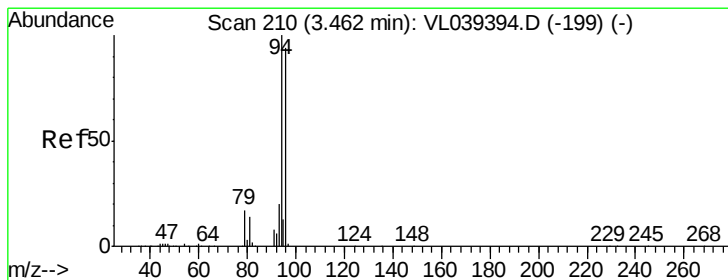
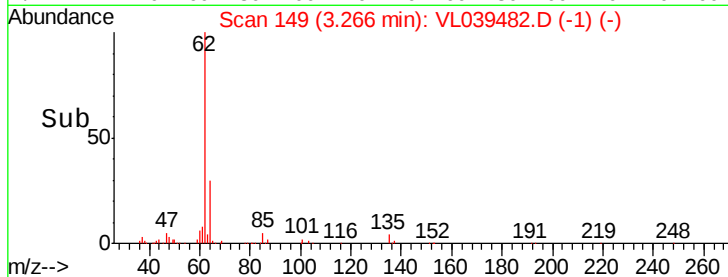
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.105 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL039482.D

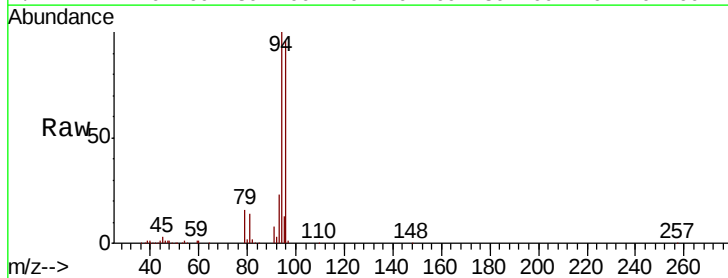
Acq: 19 Jul 2022 14:38

Tgt Ion: 94 Resp: 343623

Ion Ratio Lower Upper

94 100

96 95.8 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.48

200000

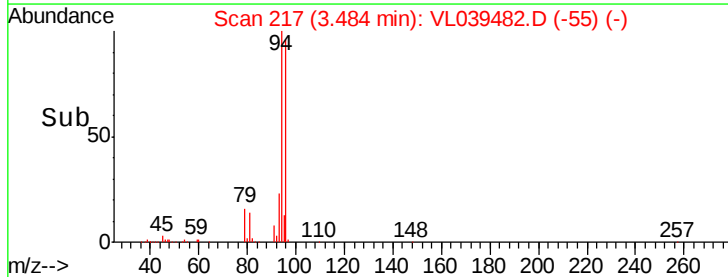
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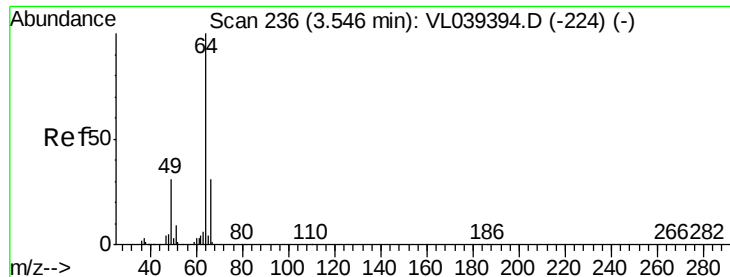
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.541 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

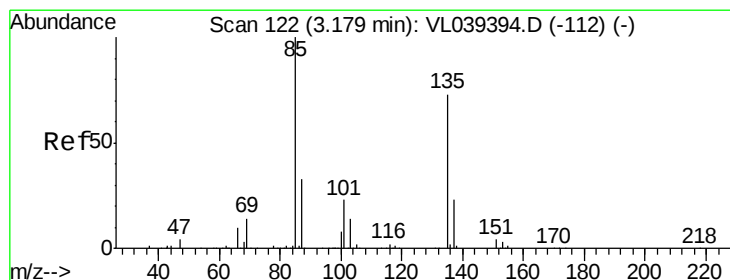
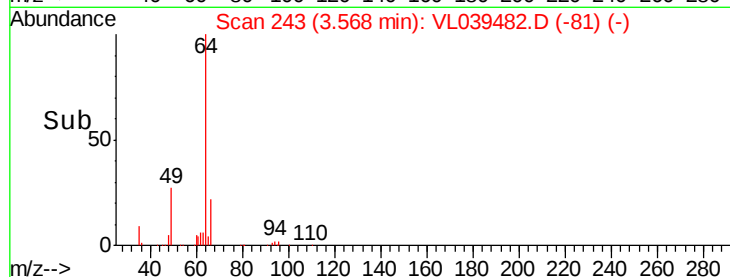
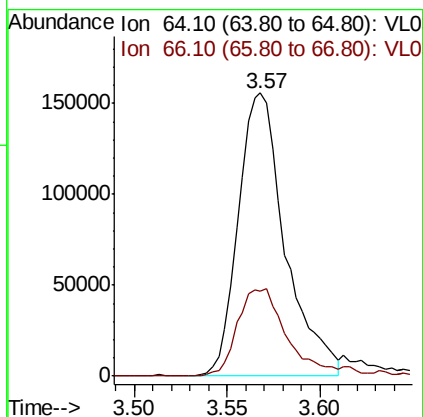
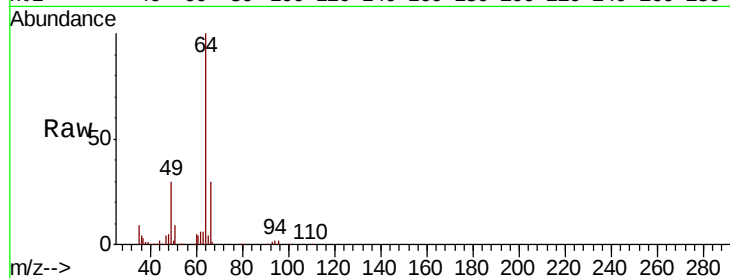
Acq: 19 Jul 2022 14:38 VL0719ABS01

Tot Ion: 64 Resp: 274200

Ion Ratio Lower Upper

64 100

66 29.9 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 8.410 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.02 min

Lab File: VL039482.D

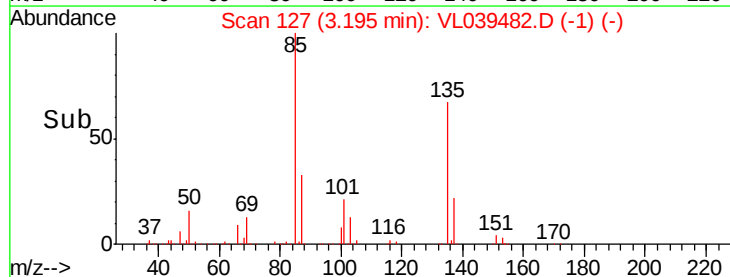
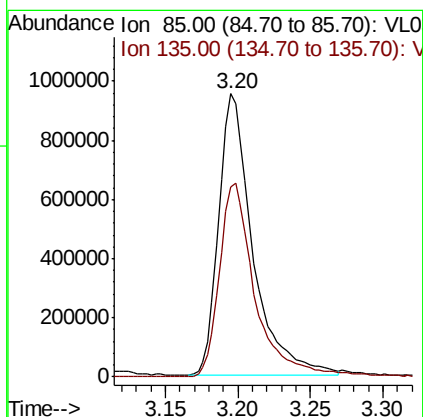
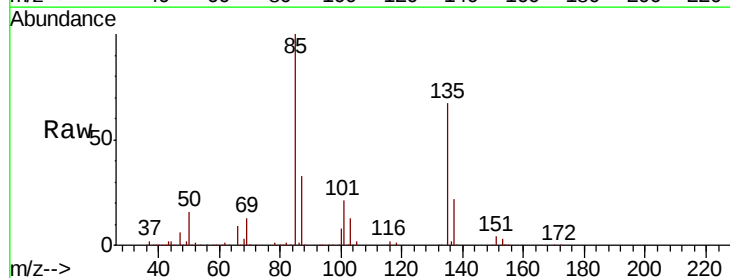
Acq: 19 Jul 2022 14:38

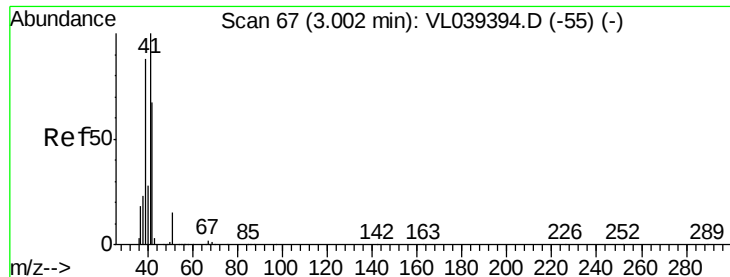
Tgt Ion: 85 Resp: 1564639

Ion Ratio Lower Upper

85 100

135 72.3 59.0 88.4





#9

Propene

Concen: 9.306 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: VL0719ABS01 ClientSampleId:

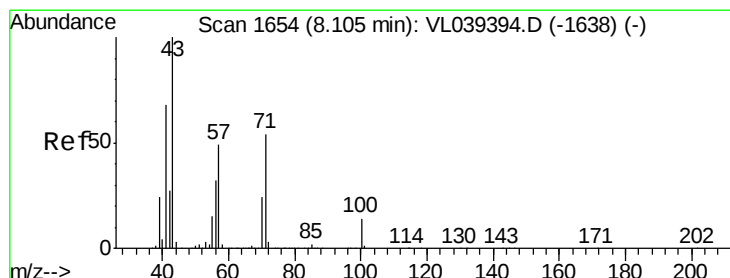
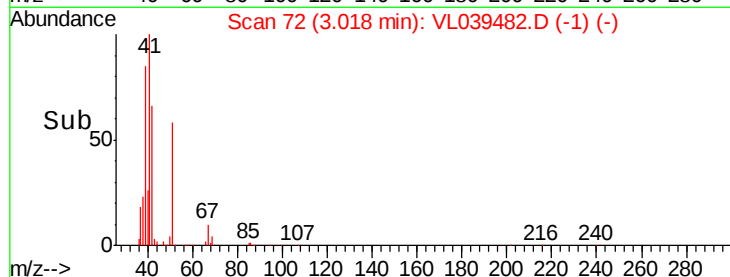
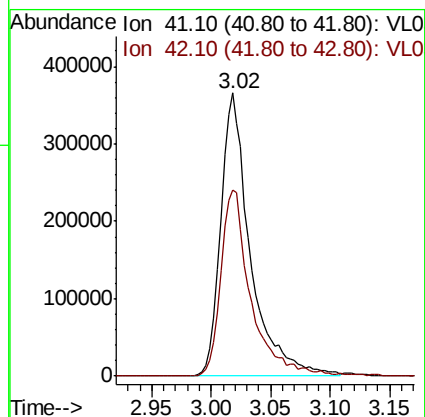
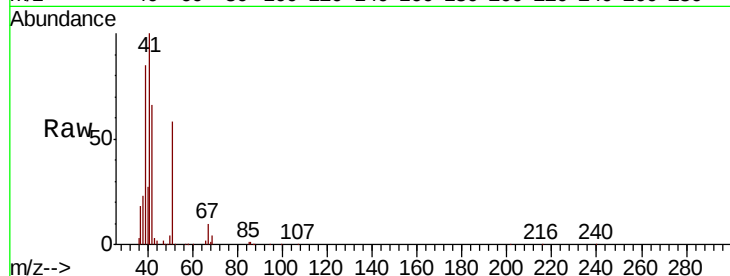
Acq: 19 Jul 2022 14:38

Tot Ion: 41 Resp: 629591

Ion Ratio Lower Upper

41 100

42 67.6 55.2 82.8



#10

Heptane

Concen: 10.162 ppbv

RT: 8.13 min Scan# 1663

Delta R.T. 0.03 min

Lab File: VL039482.D

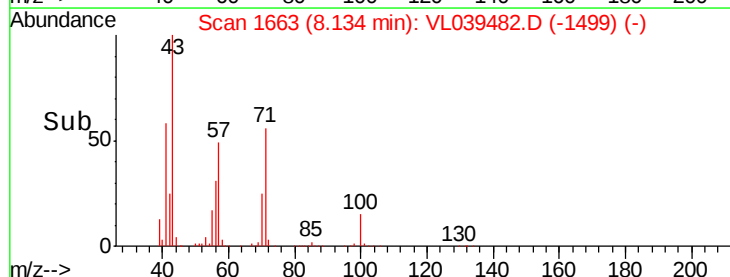
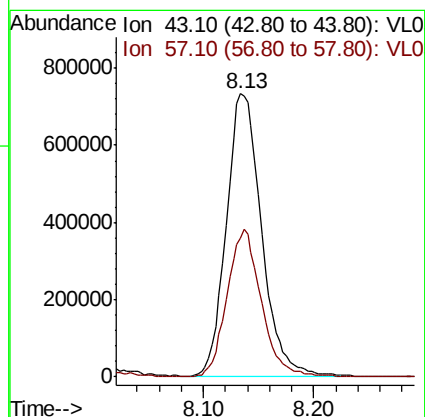
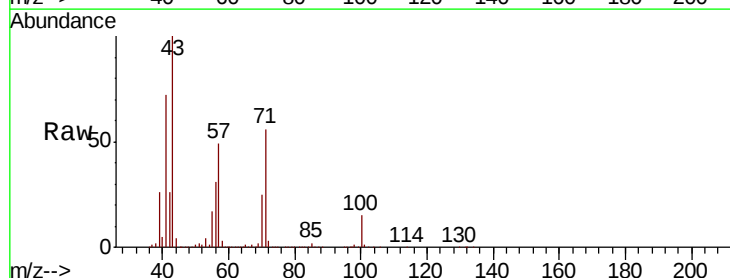
Acq: 19 Jul 2022 14:38

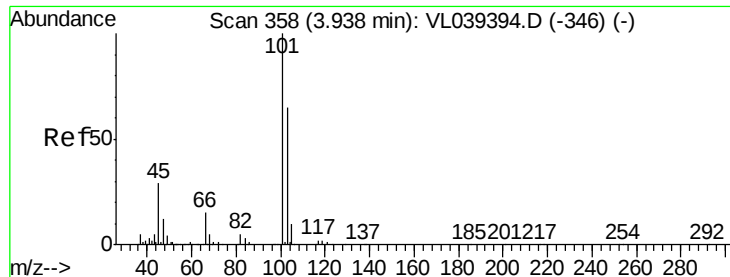
Tgt Ion: 43 Resp: 1610234

Ion Ratio Lower Upper

43 100

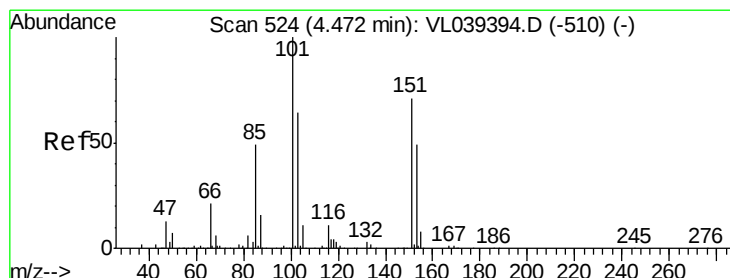
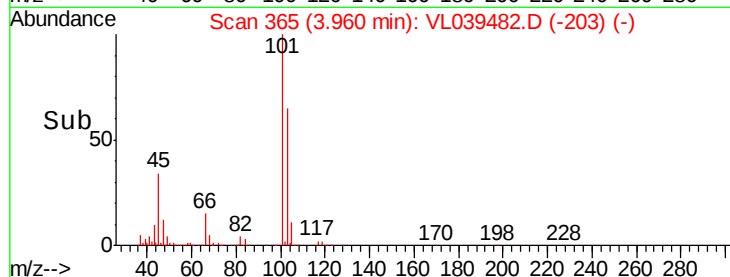
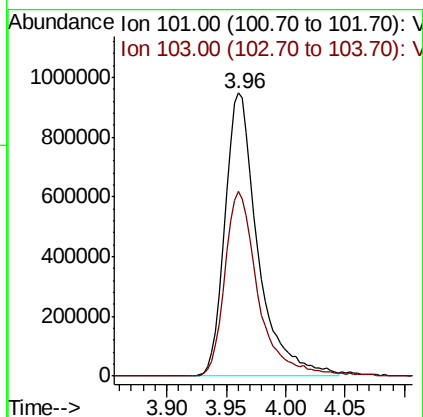
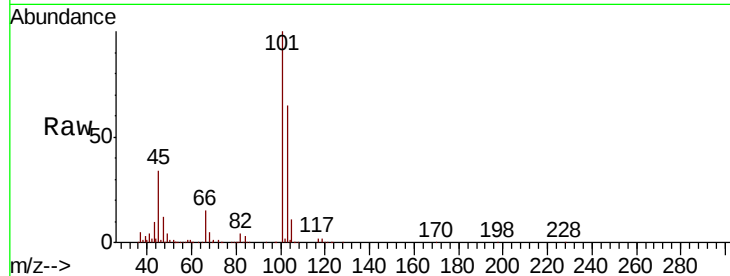
57 51.0 40.5 60.7





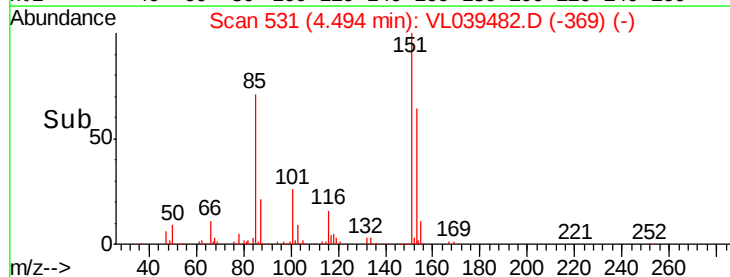
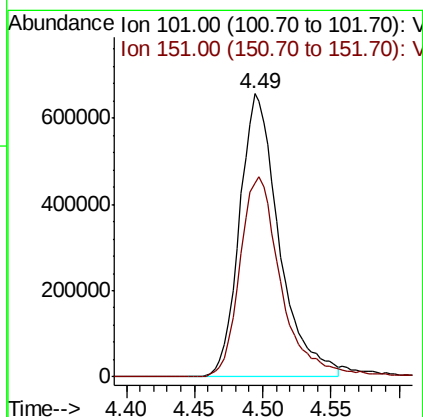
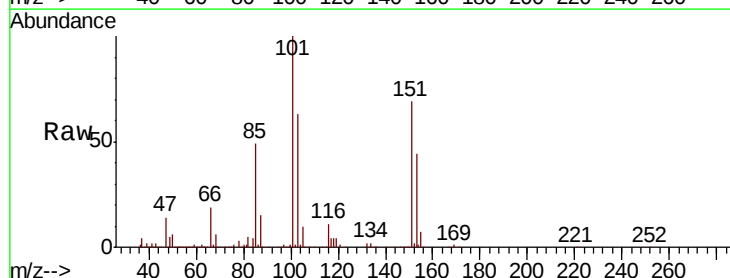
#11
 Trichlorofluoromethane
 Concen: 9.573 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0719ABS01
 Acq: 19 Jul 2022 14:38

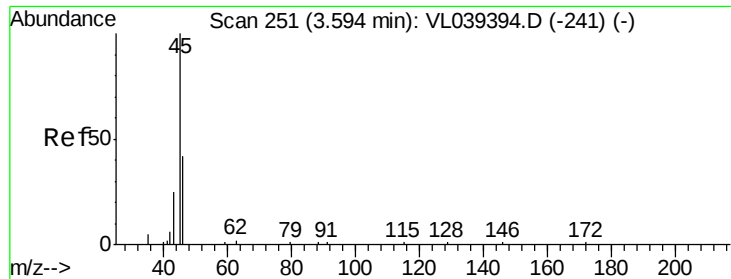
Tot Ion:101 Resp: 1817047
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.340 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T.: 0.02 min
 Lab File: VL039482.D
 Acq: 19 Jul 2022 14:38

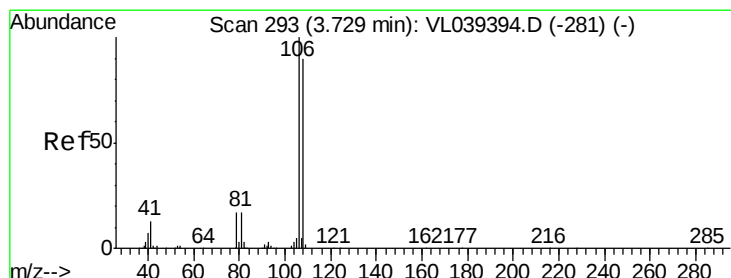
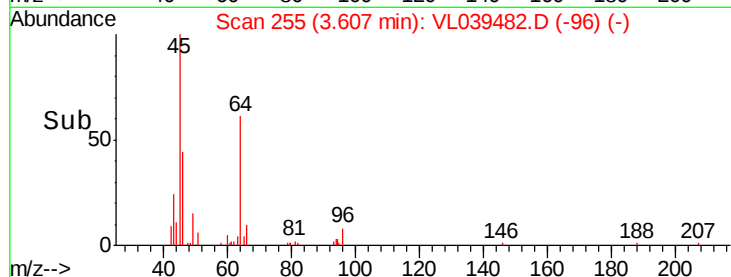
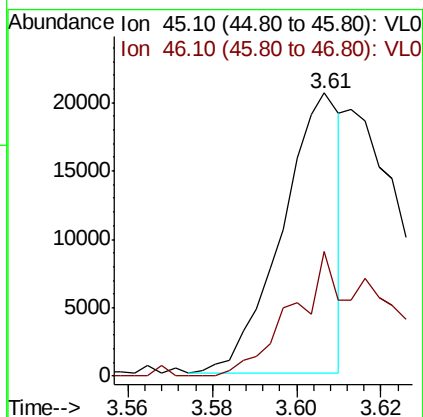
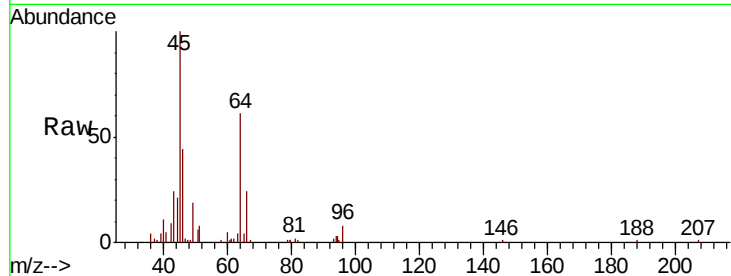
Tgt Ion:101 Resp: 1321549
 Ion Ratio Lower Upper
 101 100
 151 74.6 58.9 88.3





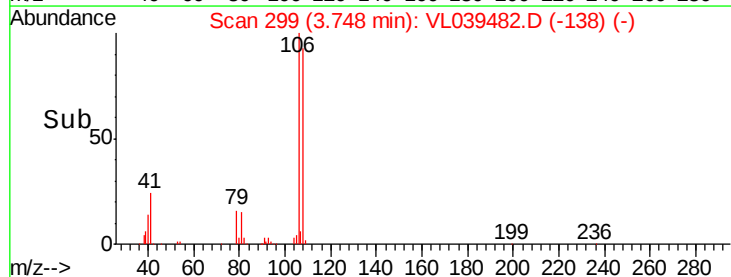
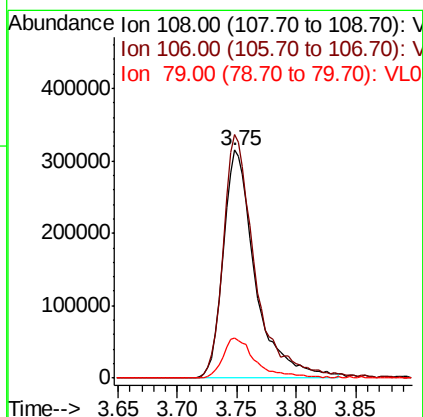
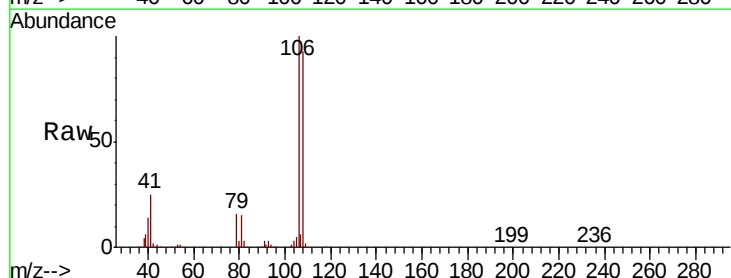
#13
 Ethanol
 Concen: 4.979 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0719ABS01
 Acq: 19 Jul 2022 14:38

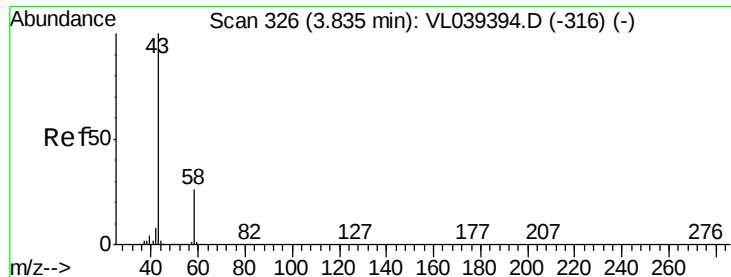
Tot Ion: 45 Resp: 19543
 Ion Ratio Lower Upper
 45 100
 46 97.8 22.8 91.2#



#14
 Bromoethene
 Concen: 9.881 ppbv
 RT: 3.75 min Scan# 299
 Delta R.T. 0.02 min
 Lab File: VL039482.D
 Acq: 19 Jul 2022 14:38

Tgt Ion: 108 Resp: 587787
 Ion Ratio Lower Upper
 108 100
 106 107.2 87.1 130.7
 79 18.5 14.6 22.0





#15

Acetone

Concen: 9.849 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

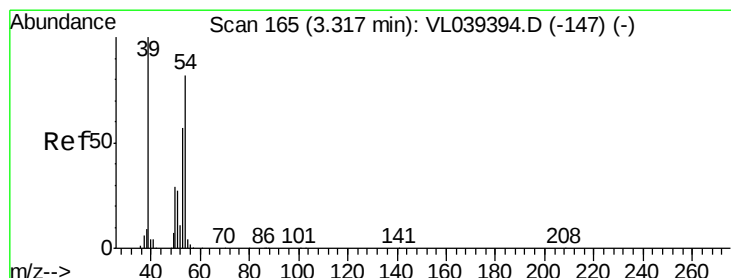
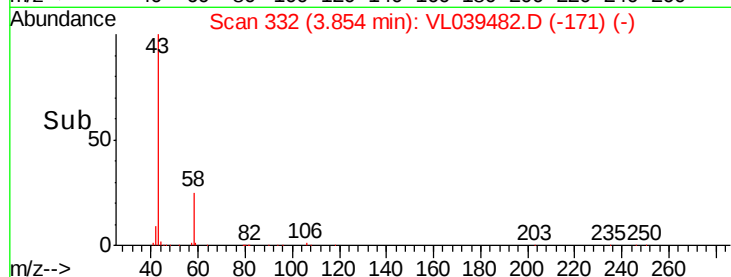
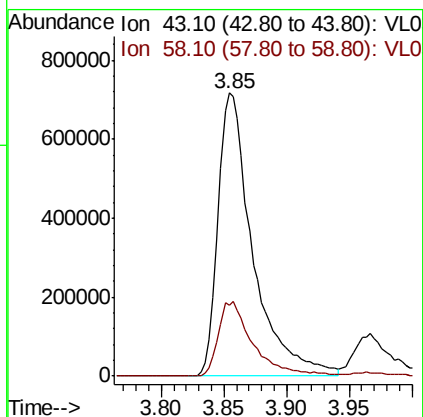
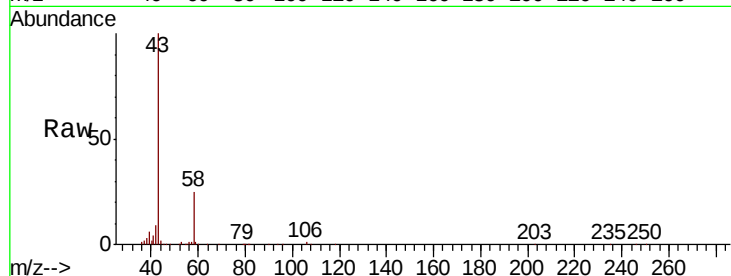
Acq: 19 Jul 2022 14:38 VL0719ABS01

Tot Ion: 43 Resp: 1375913

Ion Ratio Lower Upper

43 100

58 26.5 21.0 31.6



#16

1,3-Butadiene

Concen: 10.020 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.02 min

Lab File: VL039482.D

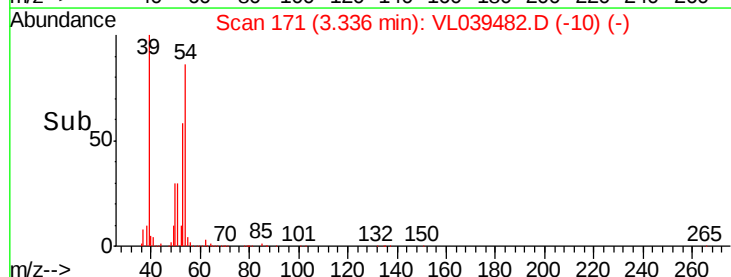
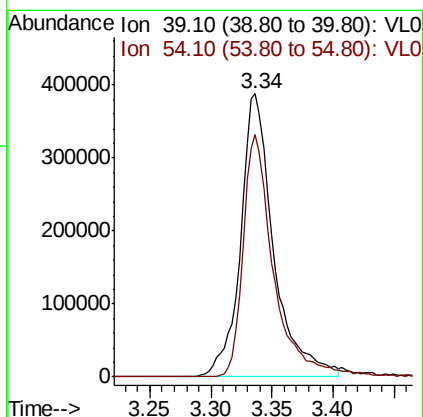
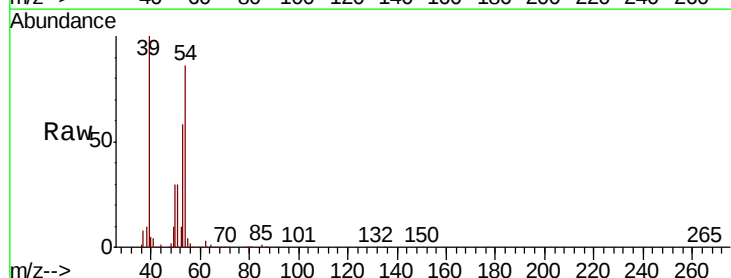
Acq: 19 Jul 2022 14:38

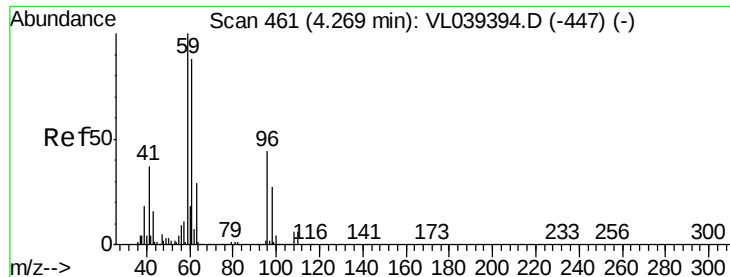
Tgt Ion: 39 Resp: 726279

Ion Ratio Lower Upper

39 100

54 79.4 63.7 95.5





#17

tert-Butyl alcohol

Concen: 11.341 ppbv

RT: 4.29 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

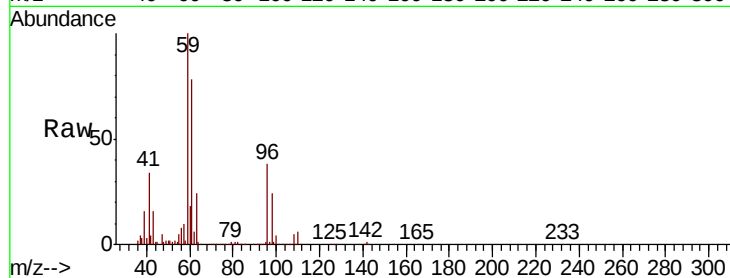
Acq: 19 Jul 2022 14:38 VL0719ABS01

Tot Ion: 59 Resp: 1344667

Ion Ratio Lower Upper

59 100

57 10.8 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

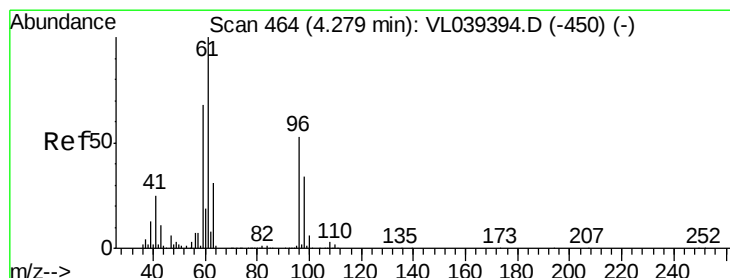
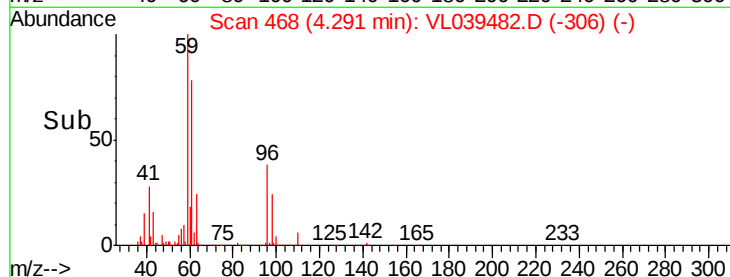
600000

400000

200000

0

Time--> 4.20 4.25 4.30 4.35 4.40



#18

1,1-Dichloroethene

Concen: 9.519 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.02 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

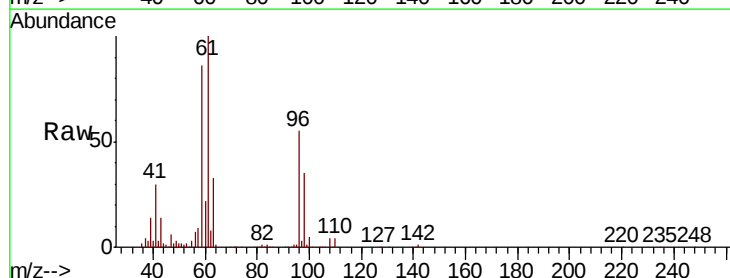
Tgt Ion: 96 Resp: 610161

Ion Ratio Lower Upper

96 100

61 182.8 152.2 228.4

98 64.4 51.8 77.6



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

800000

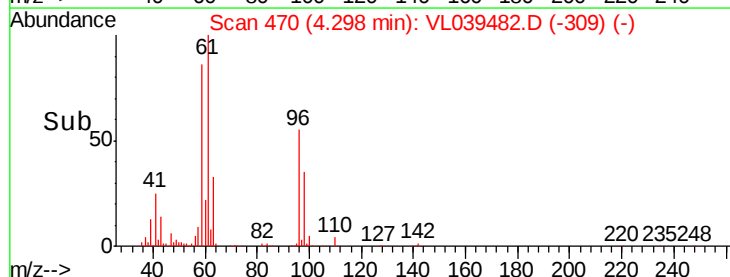
600000

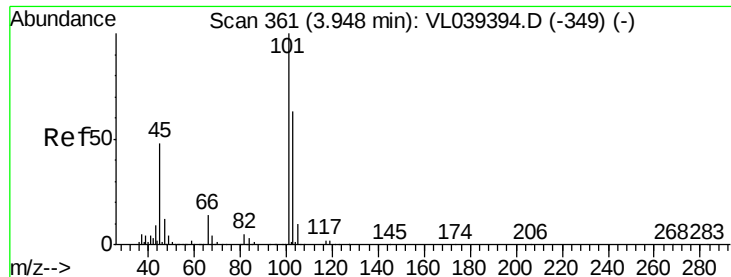
400000

200000

0

Time--> 4.20 4.25 4.30 4.35 4.40





#19

Isopropyl Alcohol

Concen: 10.733 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

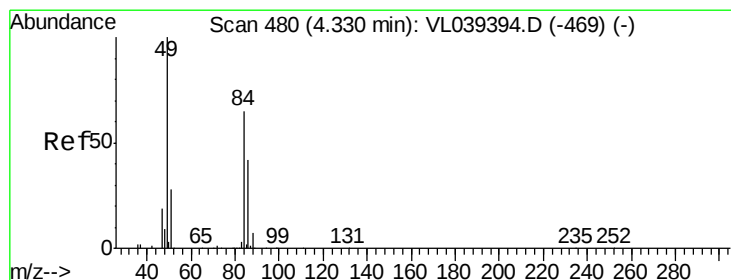
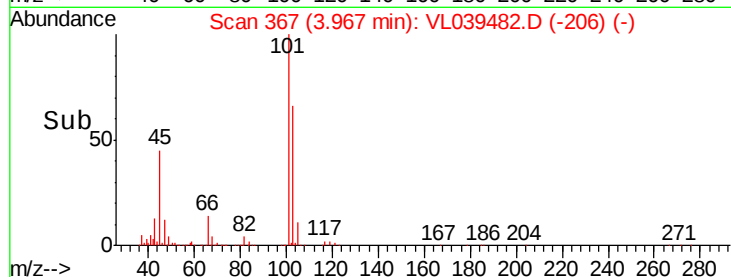
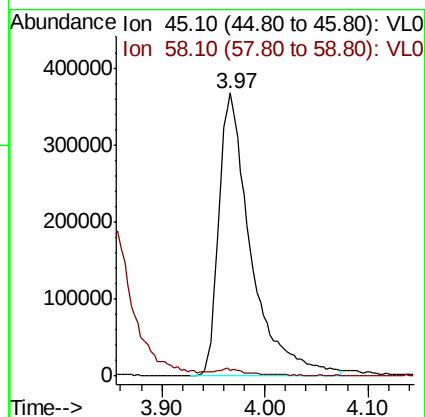
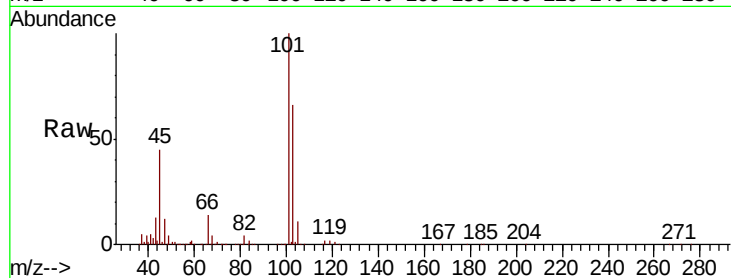
Acq: 19 Jul 2022 14:38 VL0719ABS01

Tot Ion: 45 Resp: 799798

Ion Ratio Lower Upper

45 100

58 3.1 3.2 4.8#



#20

Methylene Chloride

Concen: 9.288 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

Tgt Ion: 84 Resp: 517206

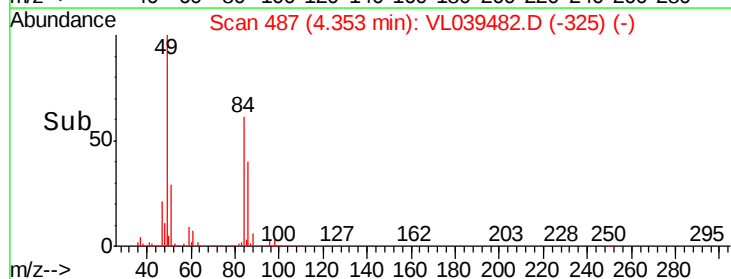
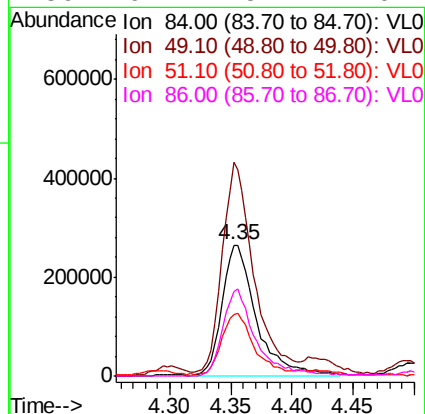
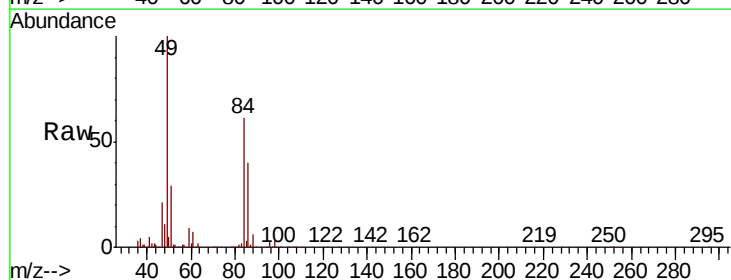
Ion Ratio Lower Upper

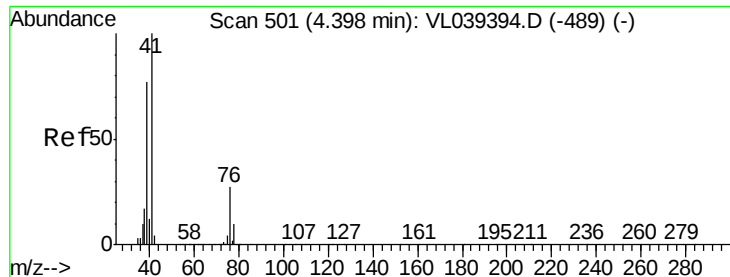
84 100

49 160.6 123.1 184.7

51 44.9 34.4 51.6

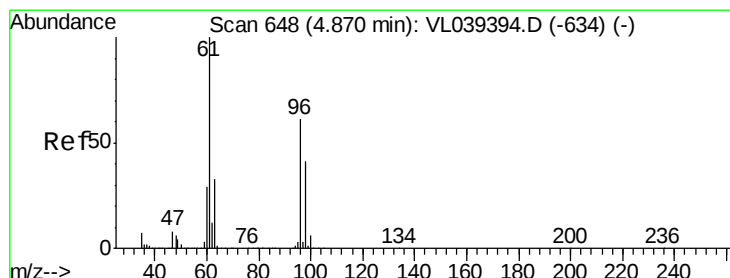
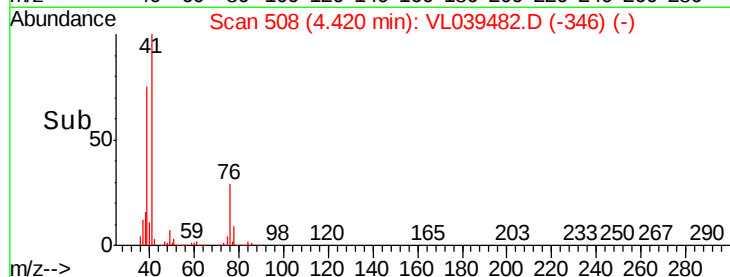
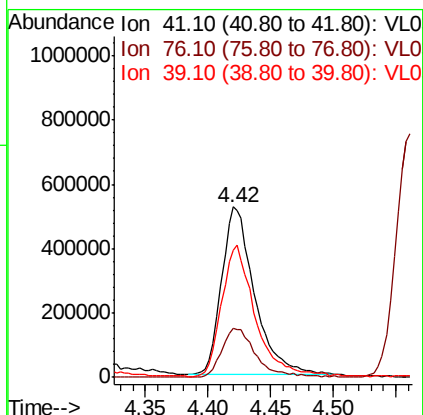
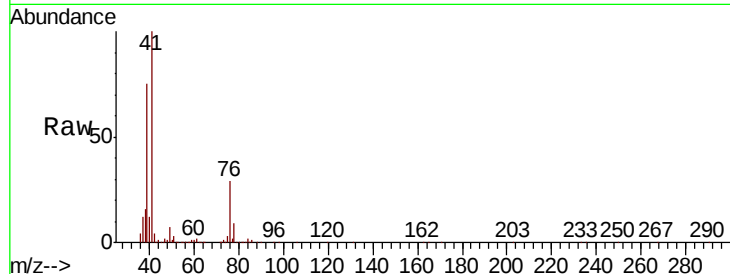
86 64.7 51.1 76.7





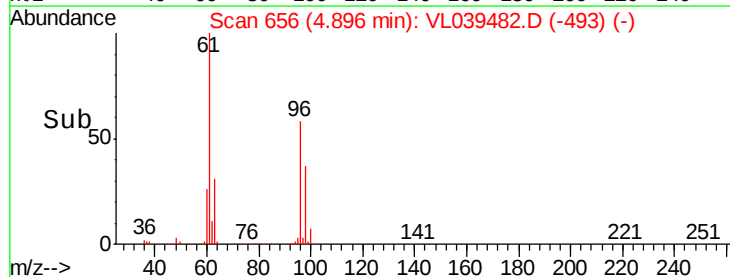
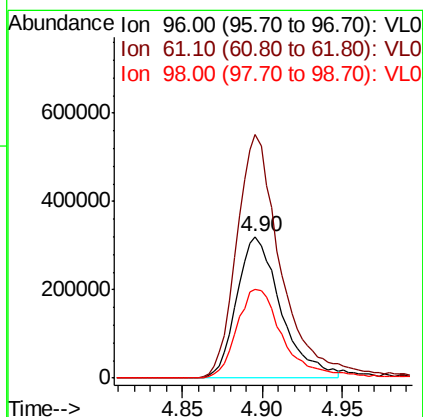
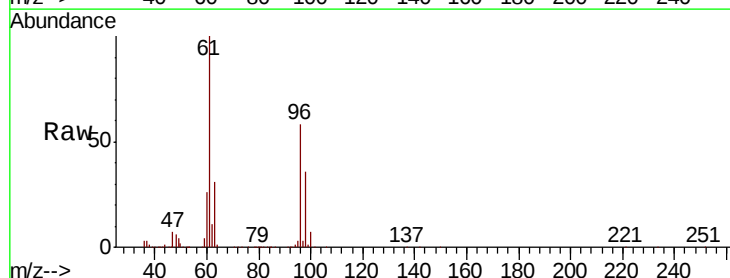
#21
 Allvl Chloride
 Concen: 9.895 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0719ABS01
 Acq: 19 Jul 2022 14:38

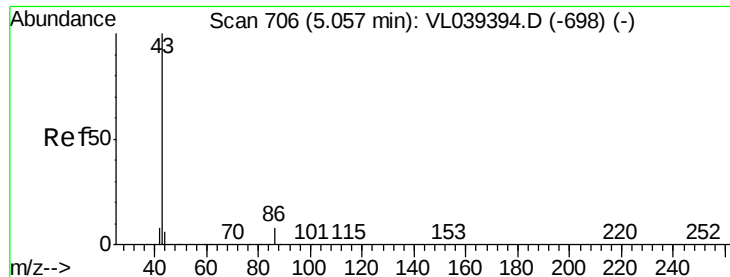
Tot Ion: 41 Resp: 957412
 Ion Ratio Lower Upper
 41 100
 76 30.2 24.4 36.6
 39 78.3 63.5 95.3



#22
 trans-1,2-Dichloroethene
 Concen: 9.746 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.03 min
 Lab File: VL039482.D
 Acq: 19 Jul 2022 14:38

Tgt Ion: 96 Resp: 604725
 Ion Ratio Lower Upper
 96 100
 61 171.6 130.6 195.8
 98 62.4 53.4 80.0





#23

Vinyl Acetate

Concen: 11.387 ppbv

RT: 5.08 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 19 Jul 2022 14:38 VL0719ABS01

Tot Ion: 43 Resp: 1063083

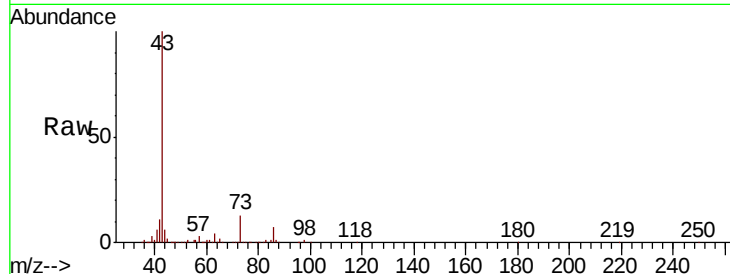
Ion Ratio Lower Upper

43 100

86 7.2 5.0 7.6

42 10.6 7.7 11.5

44 5.7 4.6 7.0

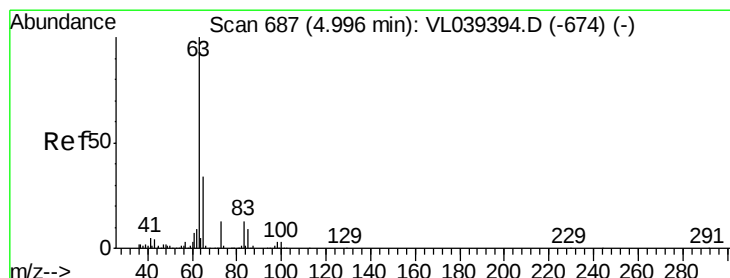
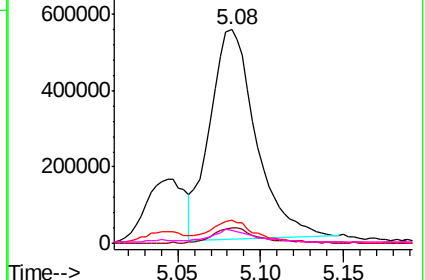
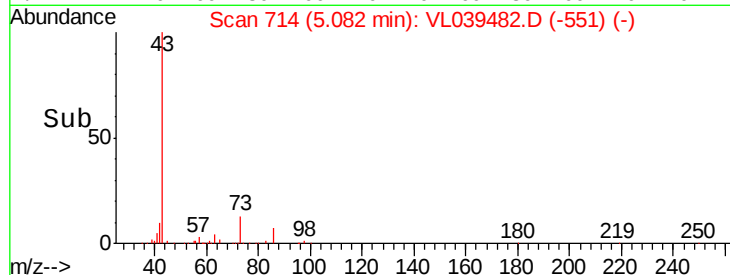


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.483 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.03 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

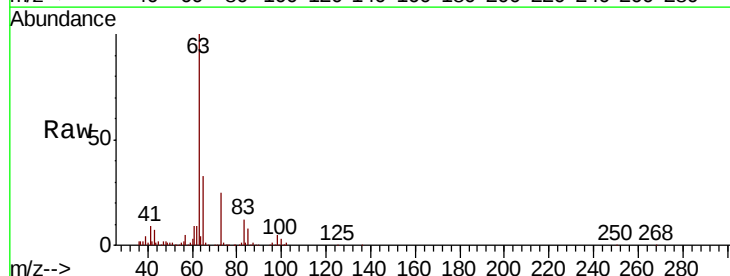
Tgt Ion: 63 Resp: 1382174

Ion Ratio Lower Upper

63 100

98 5.0 1.8 5.3

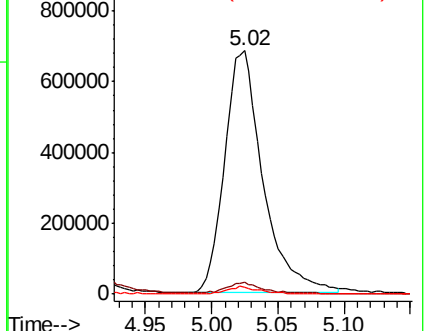
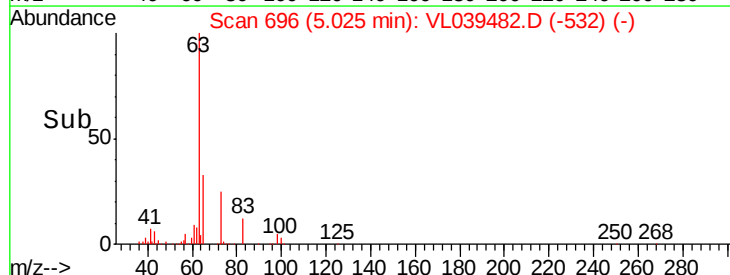
100 3.0 1.5 4.4

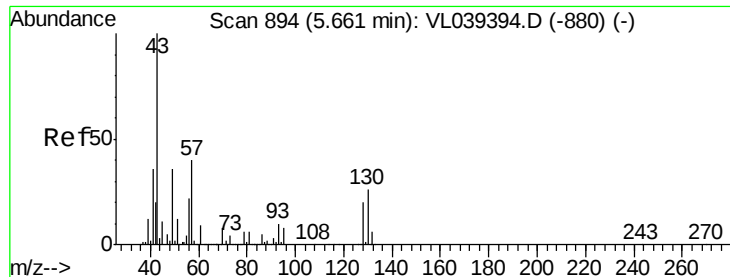


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 10.286 ppbv

RT: 5.69

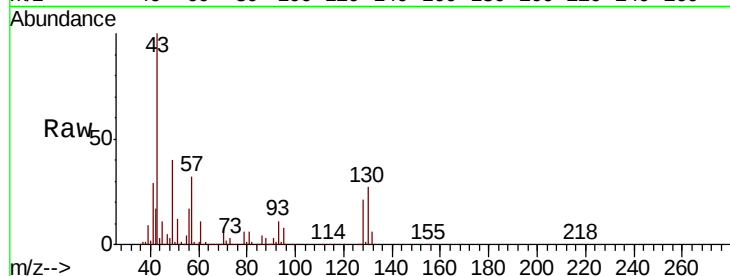
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Jul 2022 14:38

Tot Ion: 43 Resp: 2946405

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.4
61	9.7	8.3	12.5
70	7.2	5.9	8.9



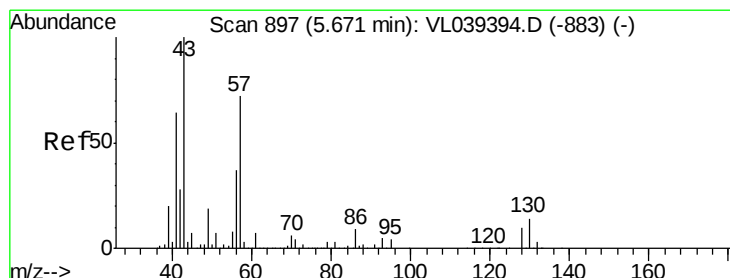
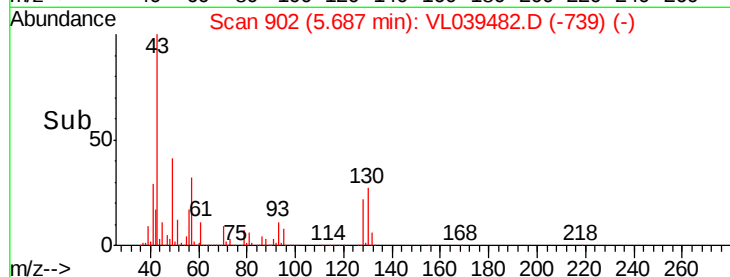
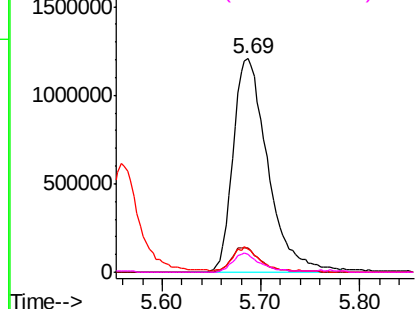
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.740 ppbv

RT: 5.70 min Scan# 905

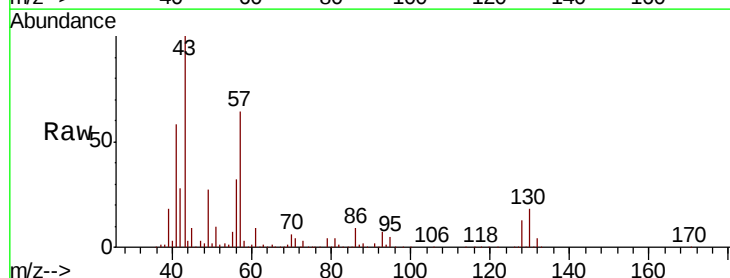
Delta R.T. 0.03 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

Tgt Ion: 57 Resp: 1240124

Ion	Ratio	Lower	Upper
57	100		
41	94.9	76.9	115.3
43	241.3	191.0	286.6
56	53.2	43.2	64.8



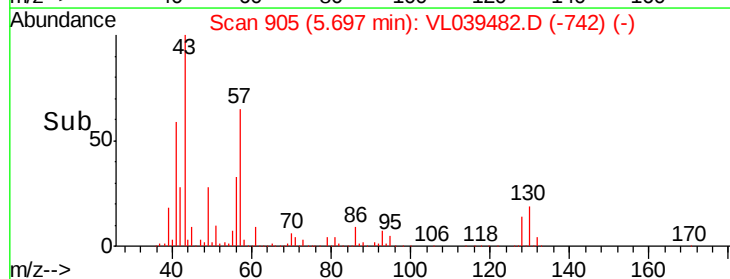
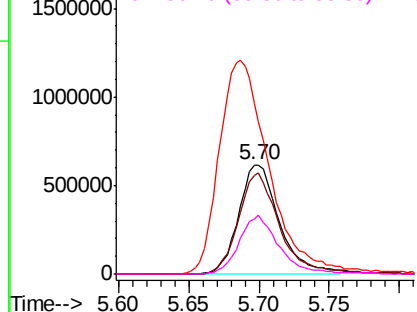
Abundance

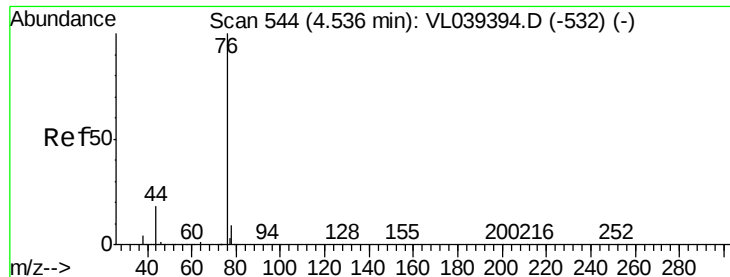
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.617 ppbv

RT: 4.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0719ABS01

Acq: 19 Jul 2022 14:38

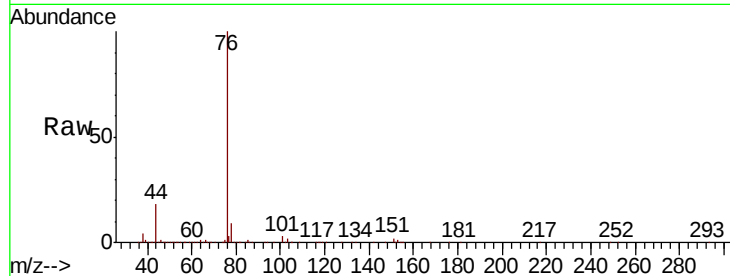
Tot Ion: 76 Resp: 1479762

Ion Ratio Lower Upper

76 100

44 18.1 14.6 21.8

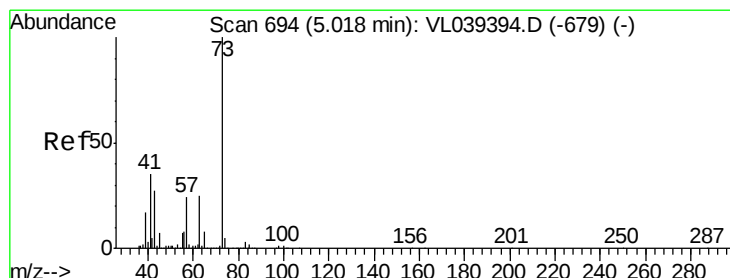
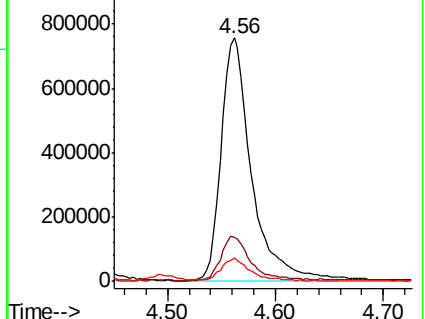
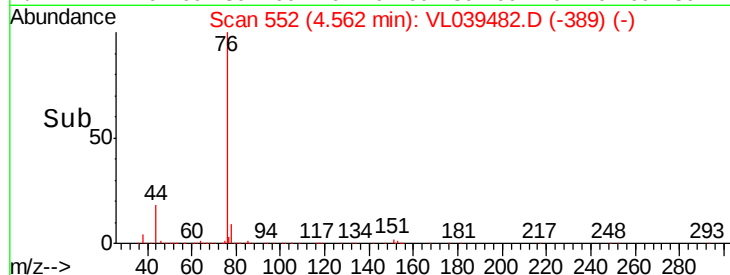
78 10.0 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.971 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.03 min

Lab File: VL039482.D

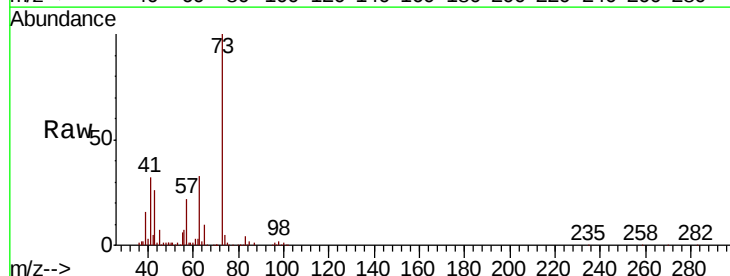
Acq: 19 Jul 2022 14:38

Tgt Ion: 73 Resp: 1354488

Ion Ratio Lower Upper

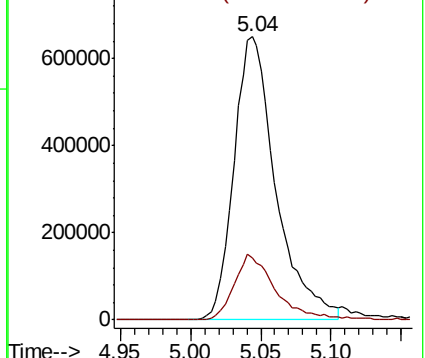
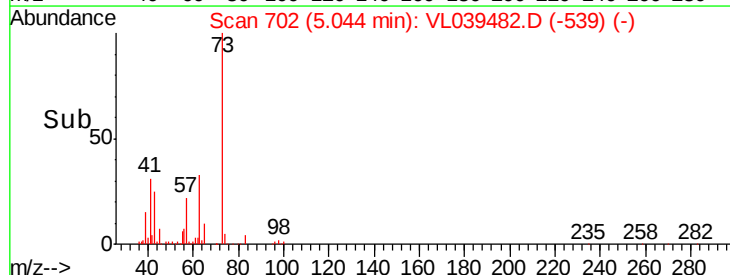
73 100

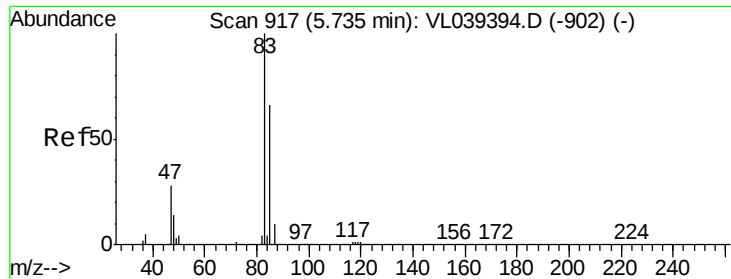
57 23.3 19.8 29.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.879 ppbv

RT: 5.76 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0719ABS01

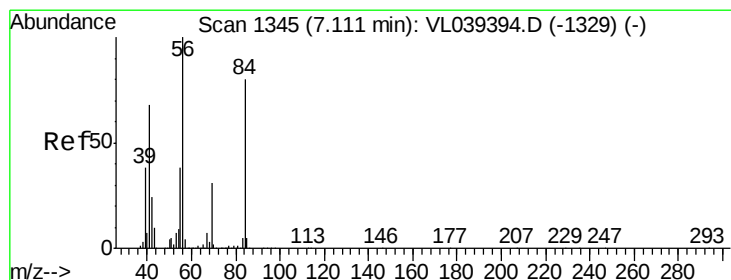
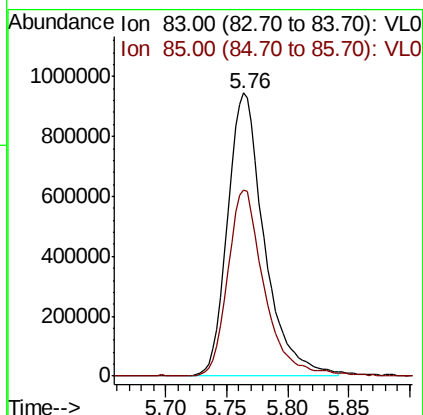
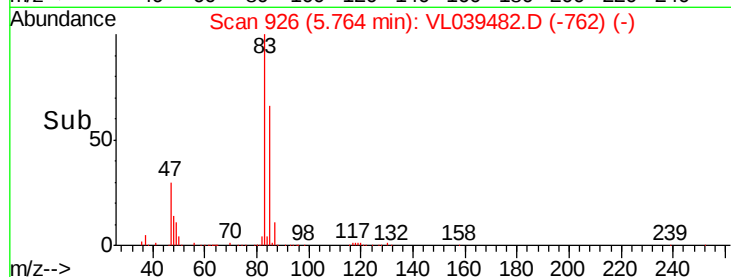
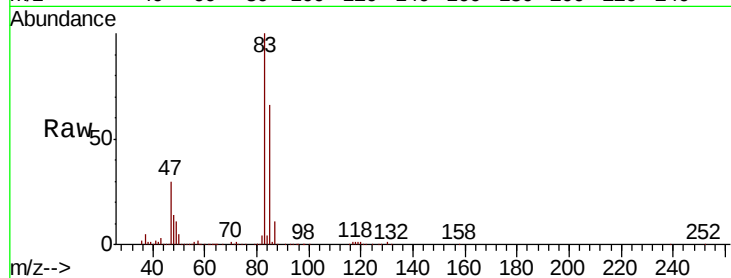
Acq: 19 Jul 2022 14:38

Tot Ion: 83 Resp: 1983569

Ion Ratio Lower Upper

83 100

85 65.5 52.8 79.2



#30

Cyclohexane

Concen: 10.090 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. 0.04 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

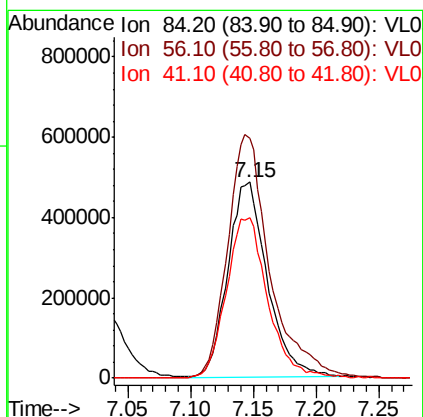
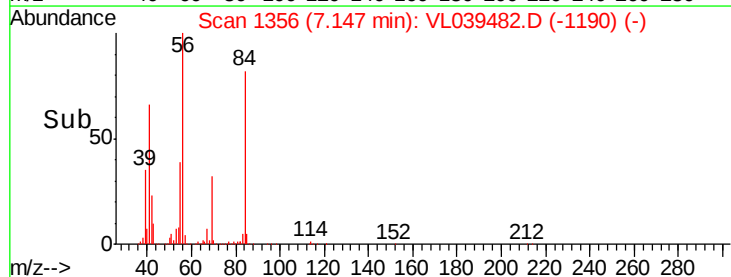
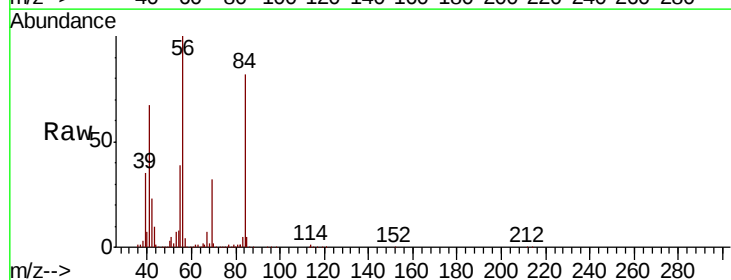
Tgt Ion: 84 Resp: 1060662

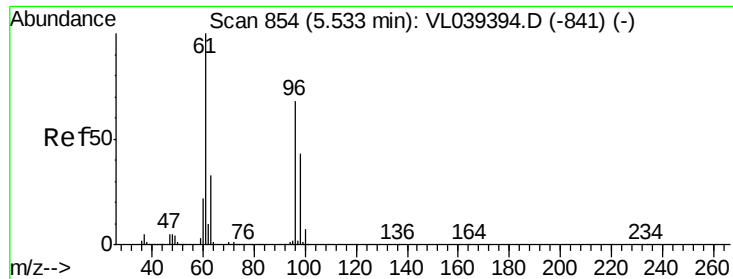
Ion Ratio Lower Upper

84 100

56 134.5 107.7 161.5

41 86.3 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 10.190 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 19 Jul 2022 14:38 VL0719ABS01

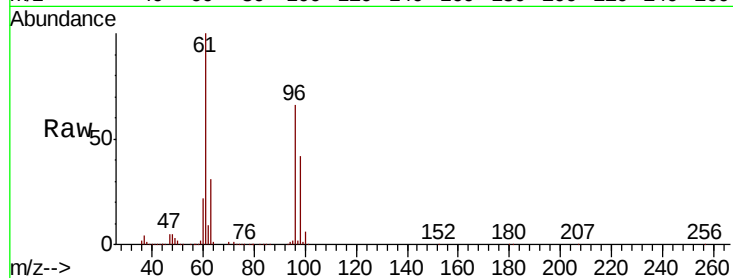
Tot Ion: 61 Resp: 1248393

Ion Ratio Lower Upper

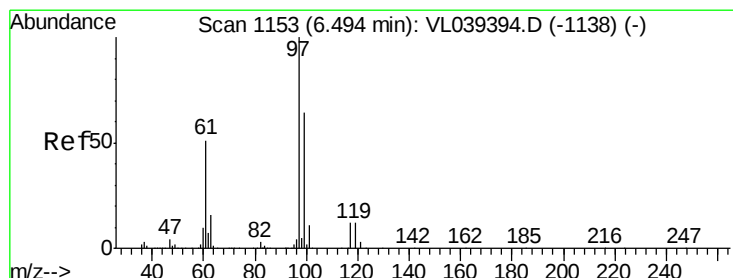
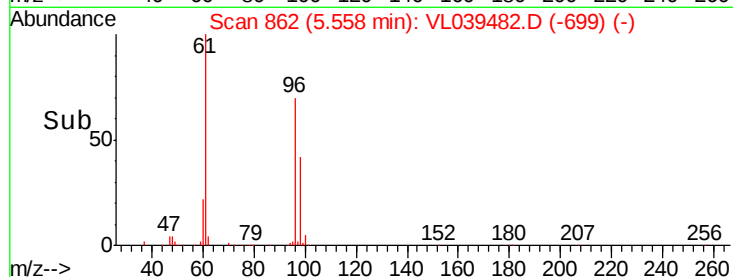
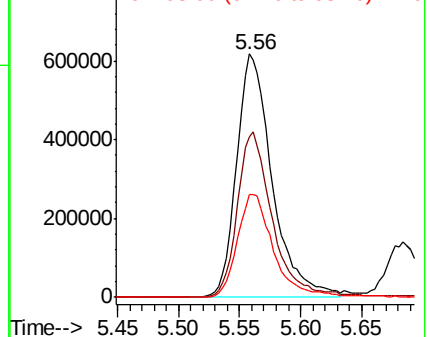
61 100

96 65.8 54.1 81.1

98 42.0 34.6 52.0



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



#32

1,1,1-Trichloroethane

Concen: 10.191 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.03 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

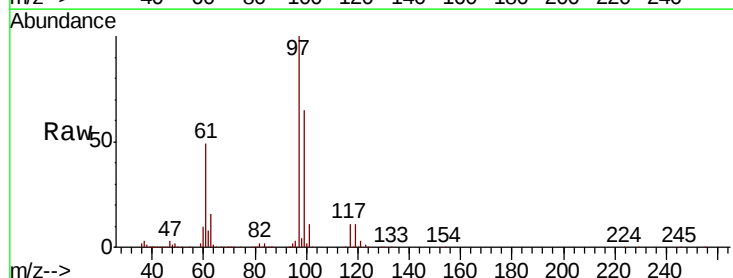
Tgt Ion: 97 Resp: 2019725

Ion Ratio Lower Upper

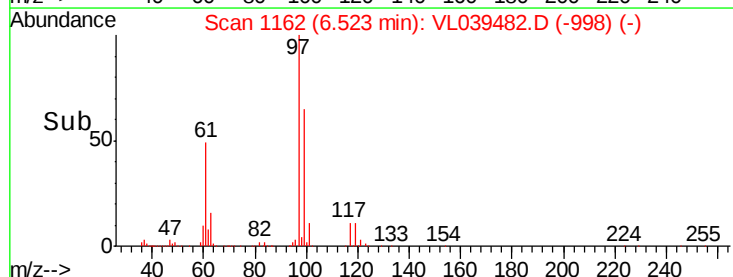
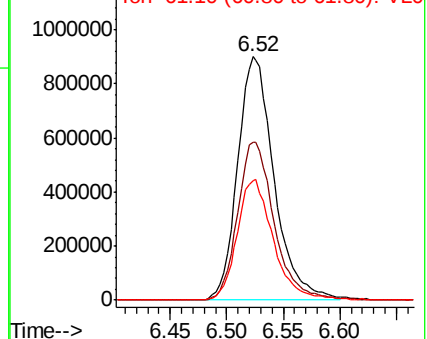
97 100

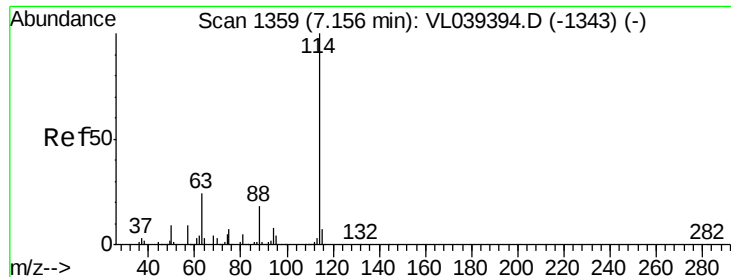
99 65.4 52.3 78.5

61 49.5 40.9 61.3



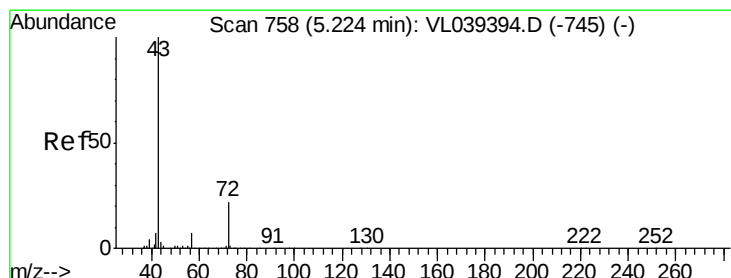
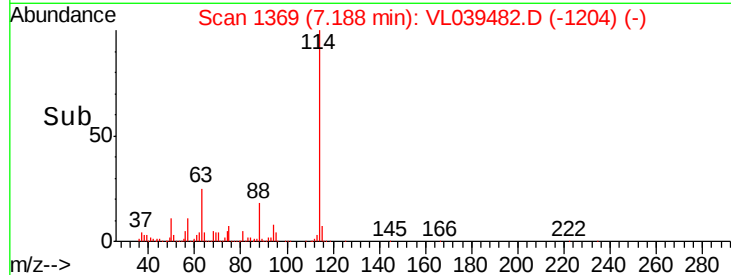
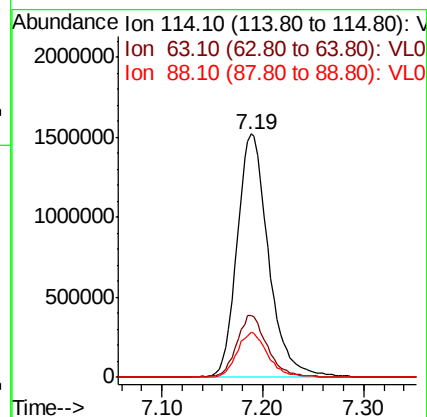
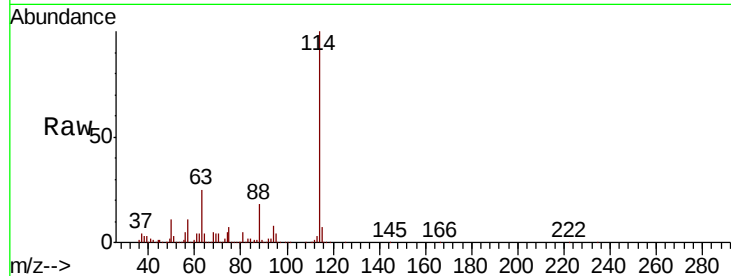
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





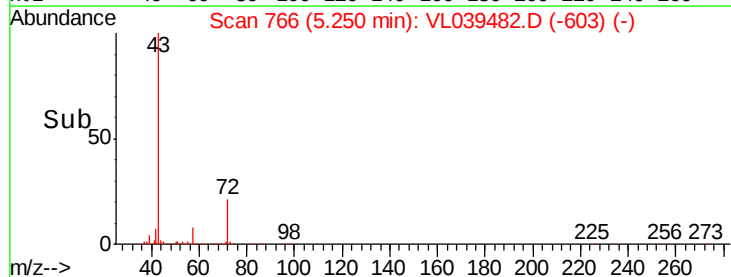
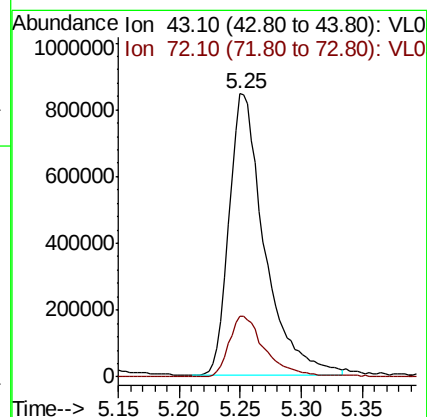
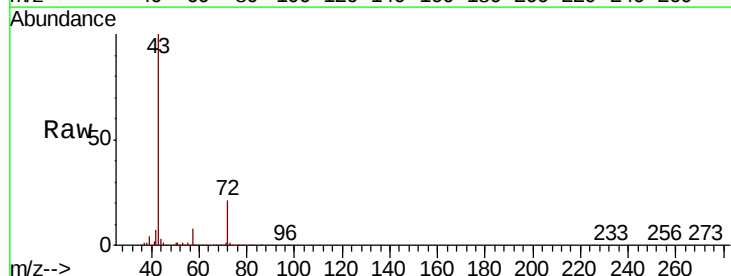
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0719ABS01
 Acq: 19 Jul 2022 14:38

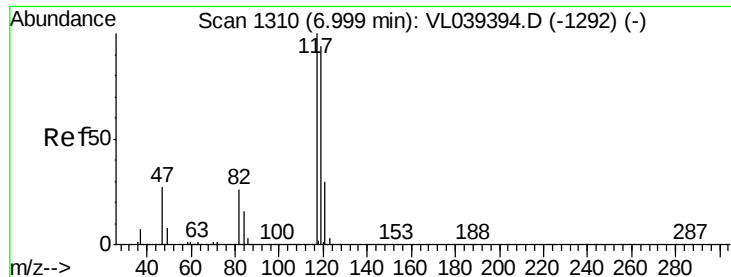
Tot Ion:114 Resp: 3289809
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.2 30.4
 88 18.3 14.5 21.7



#34
 2-Butanone
 Concen: 10.452 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T.: 0.03 min
 Lab File: VL039482.D
 Acq: 19 Jul 2022 14:38

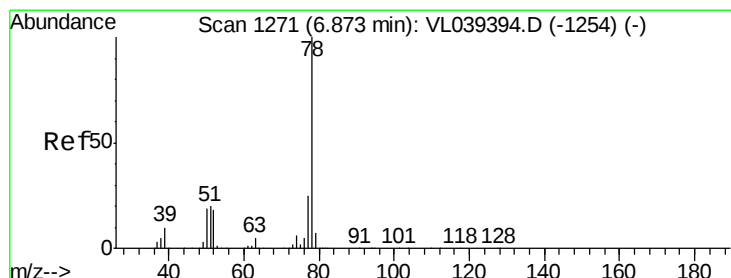
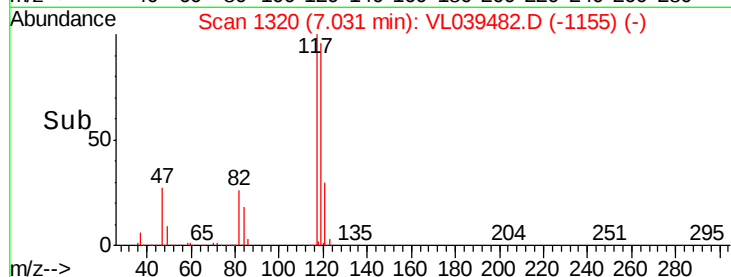
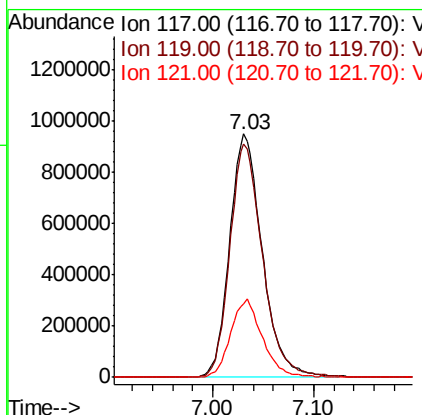
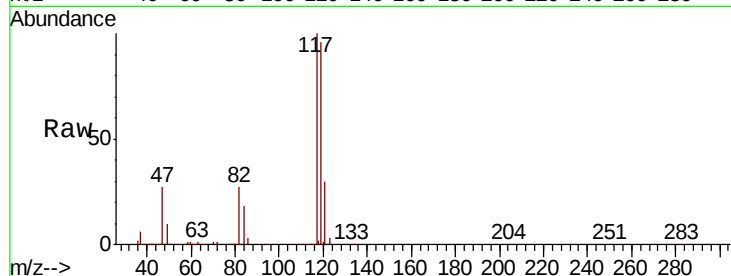
Tgt Ion: 43 Resp: 1730814
 Ion Ratio Lower Upper
 43 100
 72 22.4 17.9 26.9





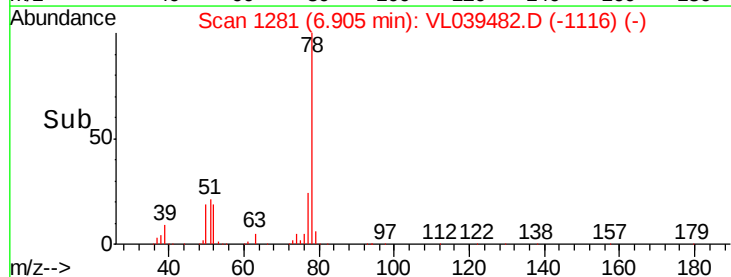
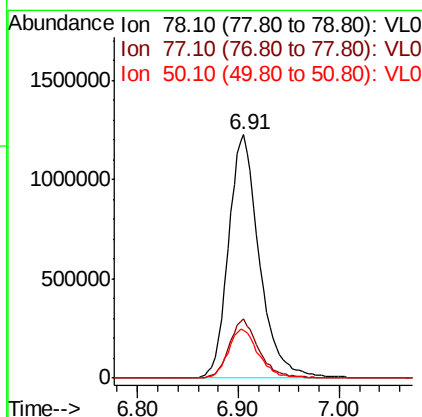
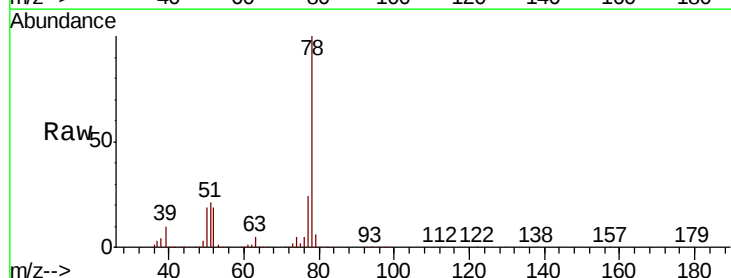
#35
Carbon Tetrachloride
Concen: 10.522 ppbv
RT: 7.03
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0719ABS01
Acq: 19 Jul 2022 14:38

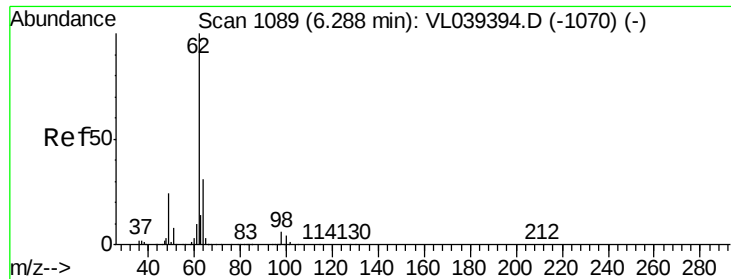
Tot Ion:117 Resp: 2138999
Ion Ratio Lower Upper
117 100
119 95.9 75.4 113.2
121 30.0 24.2 36.2



#36
Benzene
Concen: 10.272 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.03 min
Lab File: VL039482.D
Acq: 19 Jul 2022 14:38

Tgt Ion: 78 Resp: 2615419
Ion Ratio Lower Upper
78 100
77 24.2 20.3 30.5
50 19.4 15.5 23.3





#37

1,2-Dichloroethane

Concen: 10.130 ppbv

RT: 6.32 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

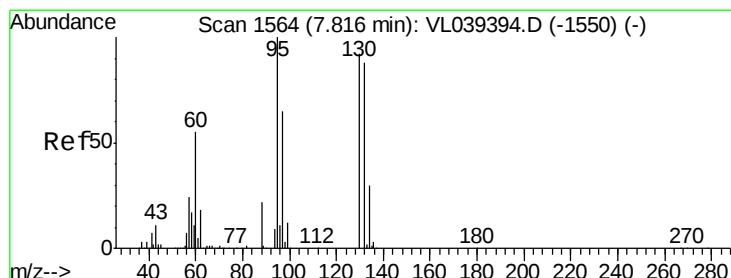
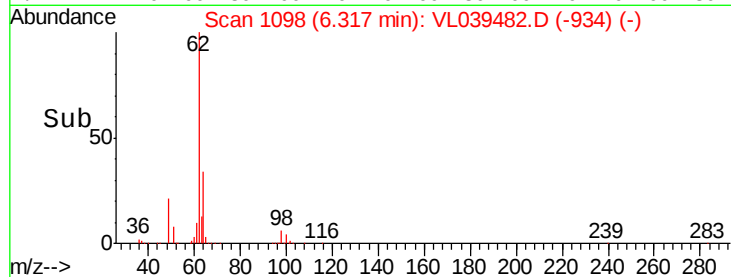
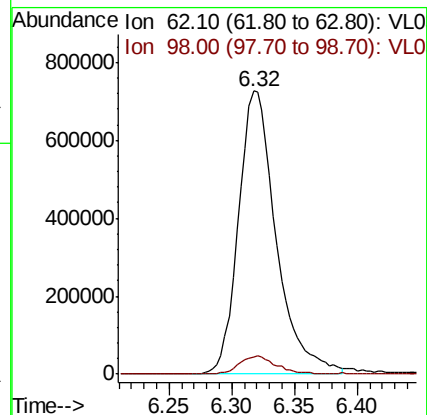
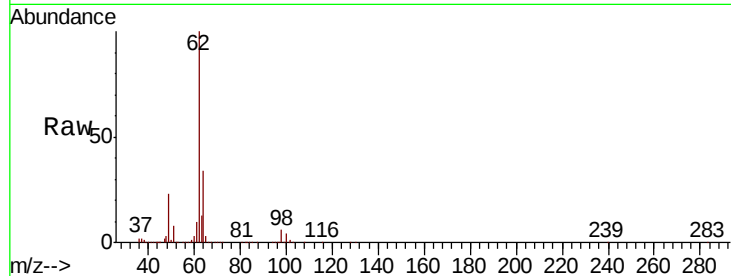
Acq: 19 Jul 2022 14:38

Tot Ion: 62 Resp: 1522342

Ion Ratio Lower Upper

62 100

98 6.4 5.1 7.7



#38

Trichloroethene

Concen: 10.148 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.03 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

Tgt Ion:130 Resp: 1397468

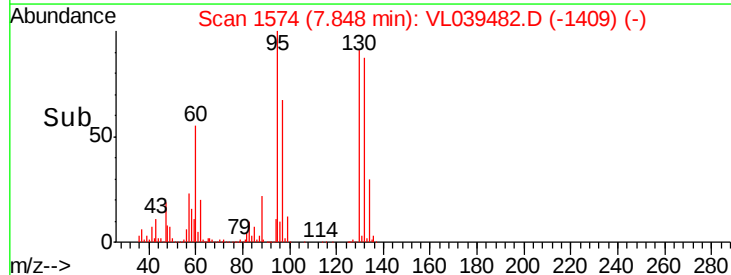
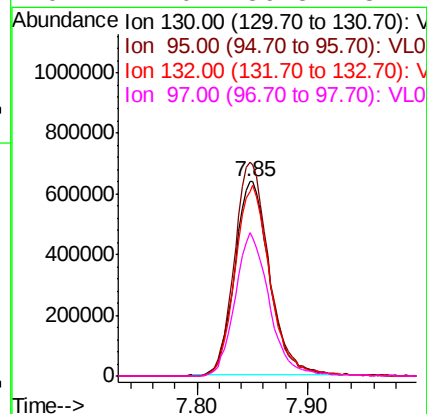
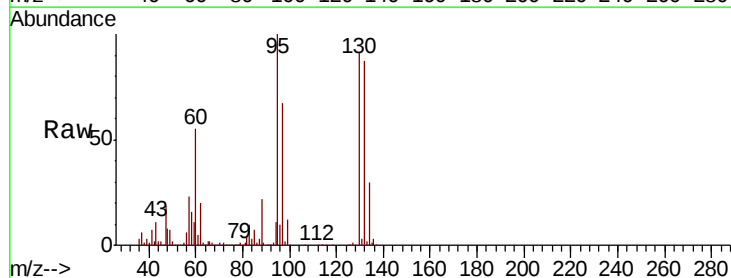
Ion Ratio Lower Upper

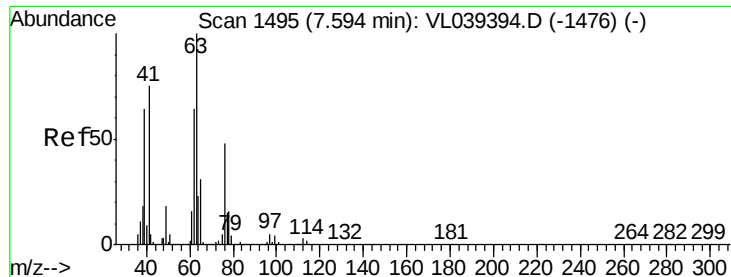
130 100

95 110.3 87.3 130.9

132 95.4 76.7 115.1

97 74.0 56.5 84.7





#39

1,2-Dichloropropane

Concen: 10.186 ppbv

RT: 7.63 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 19 Jul 2022 14:38

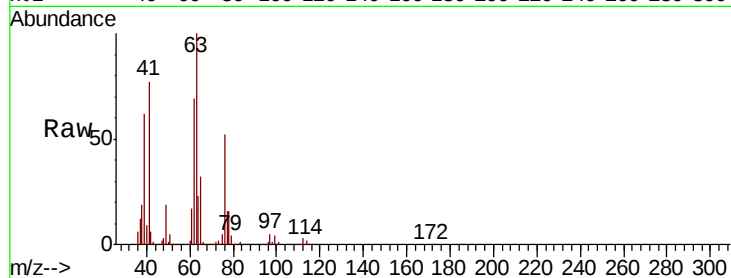
Tot Ion: 63 Resp: 968859

Ion Ratio Lower Upper

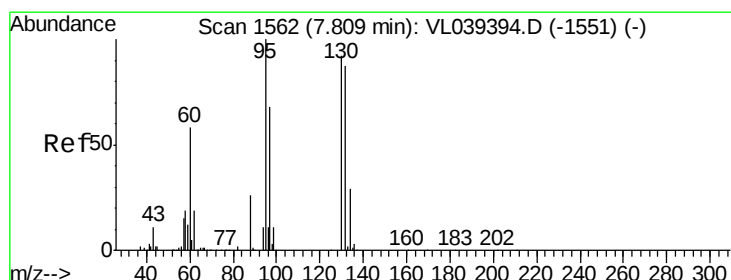
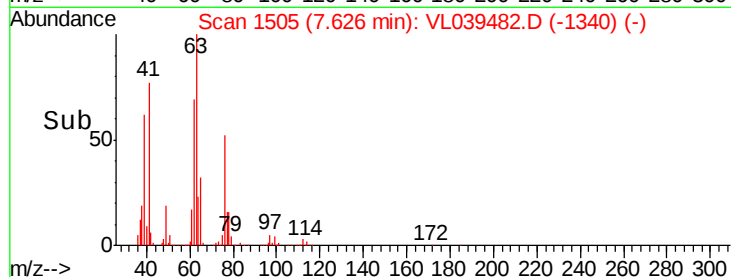
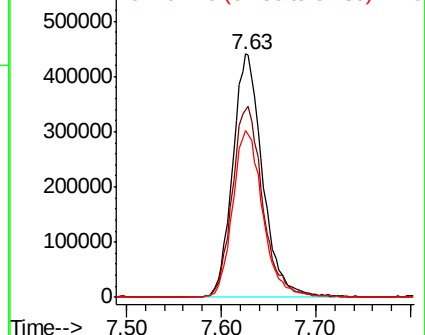
63 100

41 76.9 59.6 89.4

62 68.4 51.4 77.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.315 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.03 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

Tgt Ion: 88 Resp: 390992

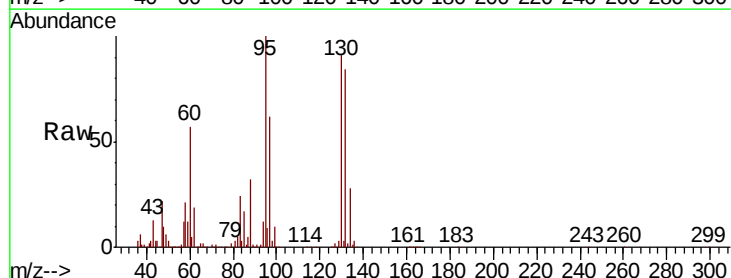
Ion Ratio Lower Upper

88 100

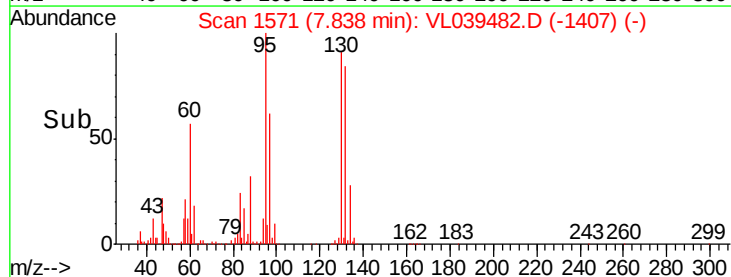
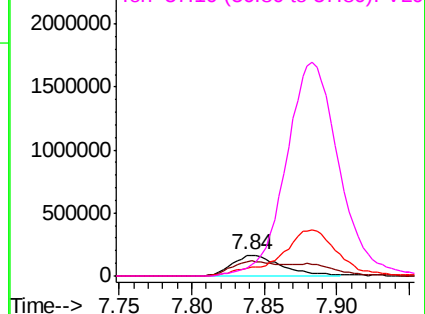
58 124.6 100.2 150.4

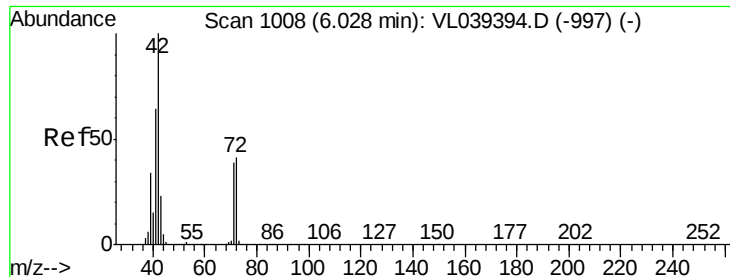
43 0.0 205.8 308.6#

57 0.0 879.1 1318.7#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.591 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Jul 2022 14:38 VL0719ABS01

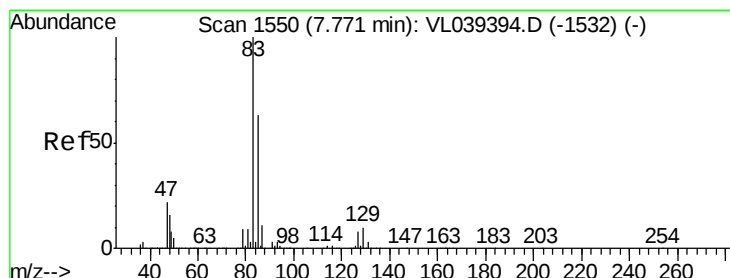
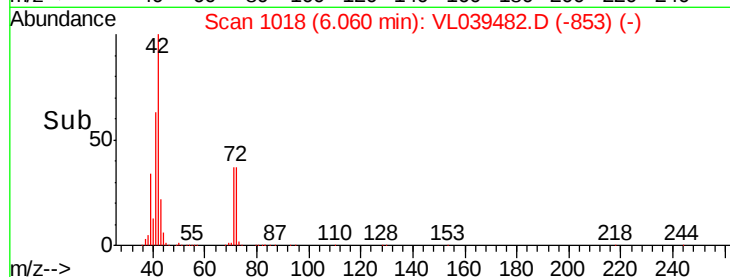
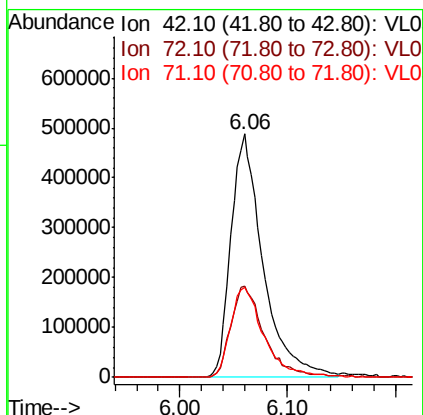
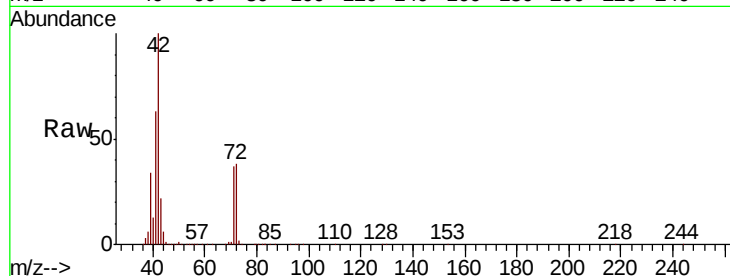
Tot Ion: 42 Resp: 1016388

Ion Ratio Lower Upper

42 100

72 39.3 31.8 47.8

71 38.9 31.8 47.8



#42

Bromodichloromethane

Concen: 10.679 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. 0.04 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

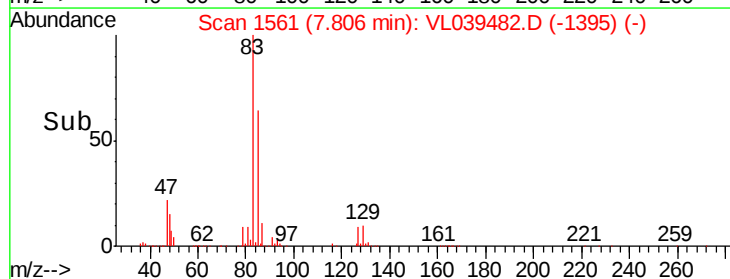
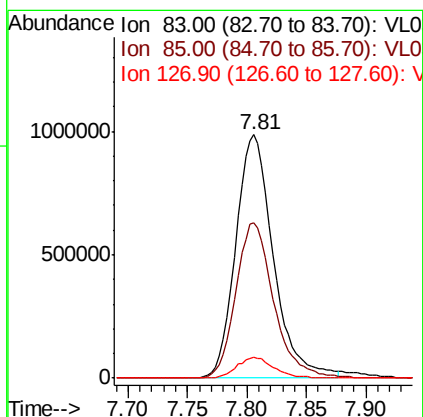
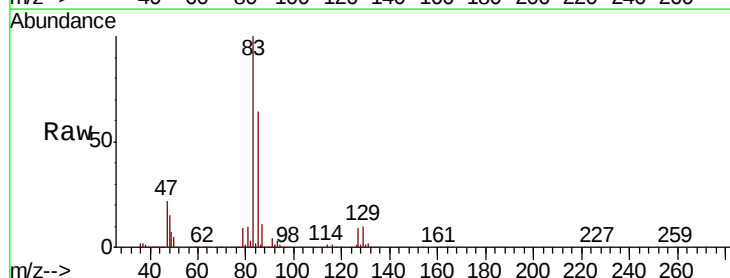
Tgt Ion: 83 Resp: 2163902

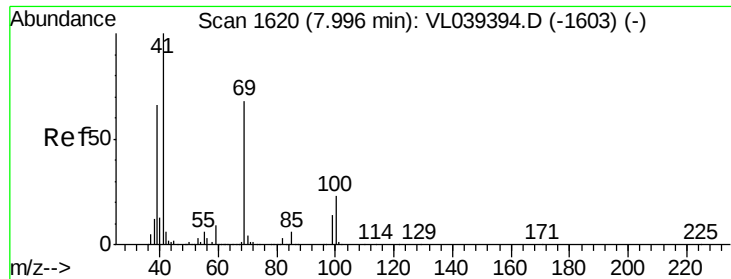
Ion Ratio Lower Upper

83 100

85 63.7 50.7 76.1

127 8.6 6.6 9.8





#43

Methyl Methacrylate

Concen: 10.955 ppbv

RT: 8.02 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 19 Jul 2022 14:38

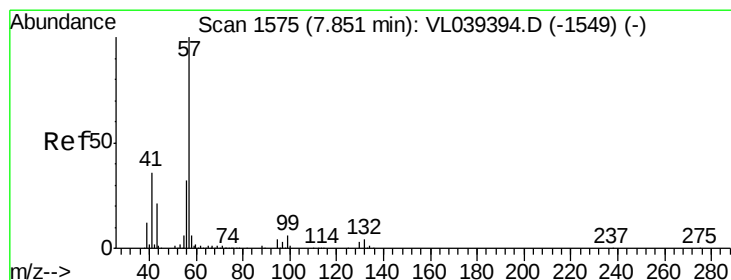
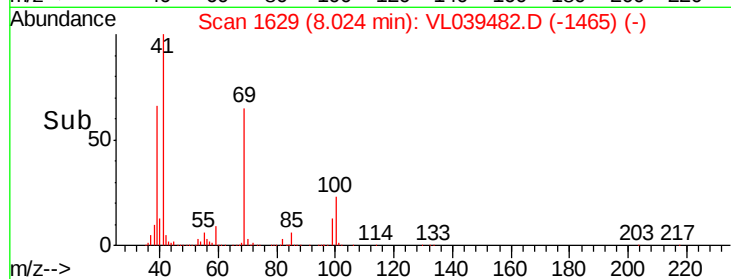
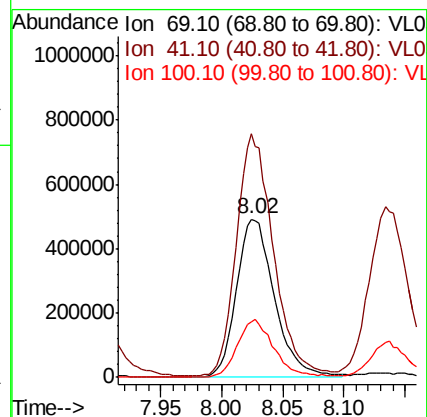
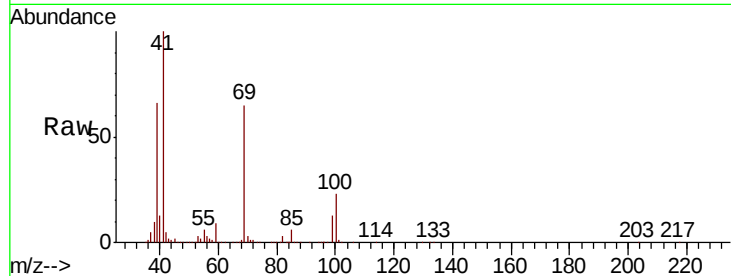
Tot Ion: 69 Resp: 1060598

Ion Ratio Lower Upper

69 100

41 150.7 120.8 181.2

100 35.1 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 10.023 ppbv

RT: 7.88 min Scan# 1585

Delta R.T. 0.03 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

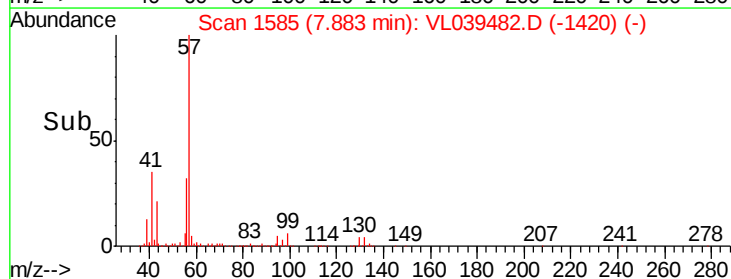
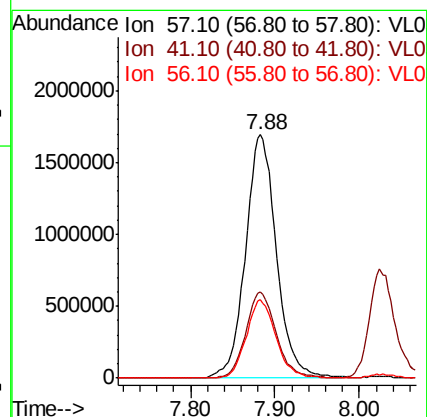
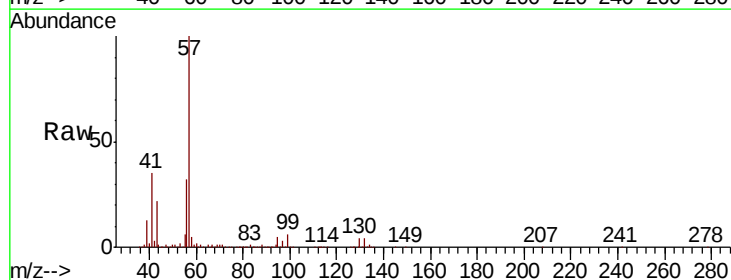
Tgt Ion: 57 Resp: 4324579

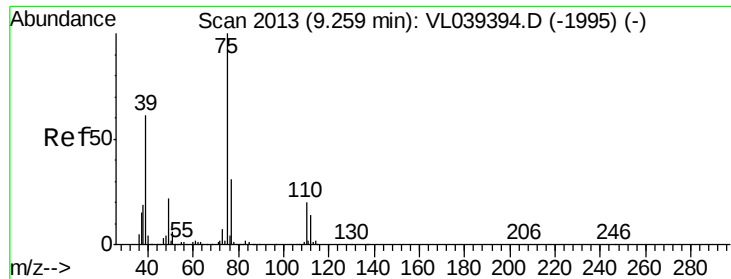
Ion Ratio Lower Upper

57 100

41 34.6 27.4 41.2

56 31.1 24.5 36.7





#45

t-1,3-Dichloropropene

Concen: 12.457 ppbv

RT: 9.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

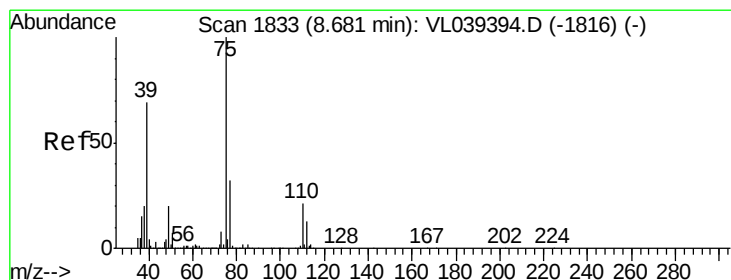
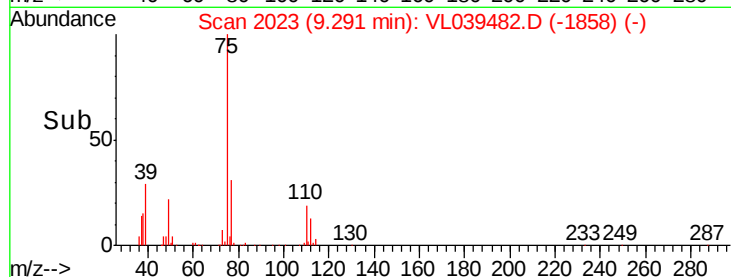
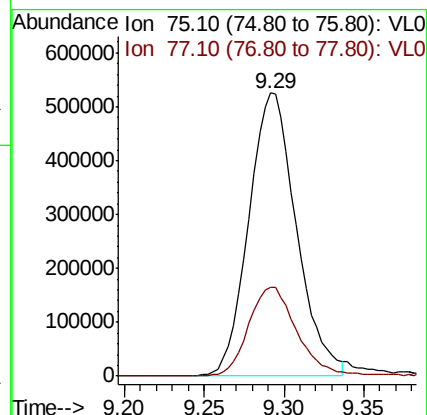
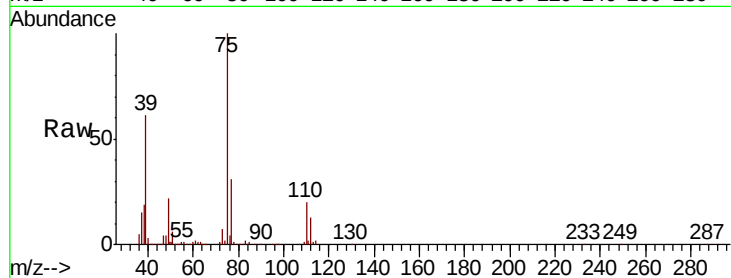
Acq: 19 Jul 2022 14:38 VL0719ABS01

Tot Ion: 75 Resp: 1073813

Ion Ratio Lower Upper

75 100

77 31.4 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 11.818 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.04 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

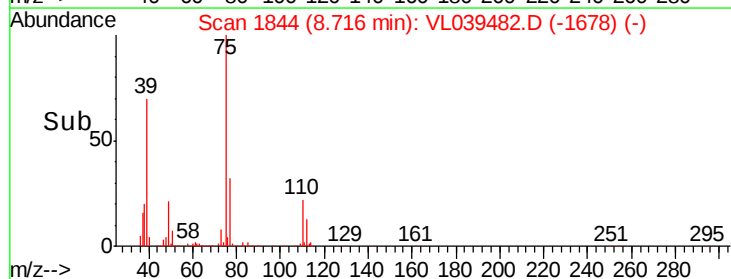
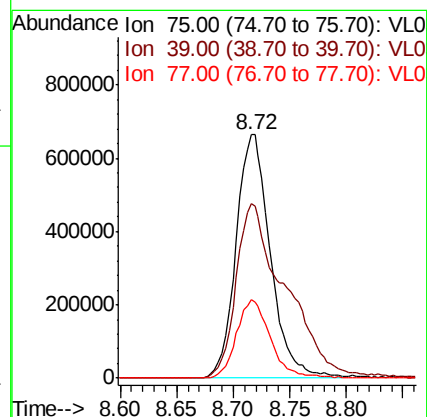
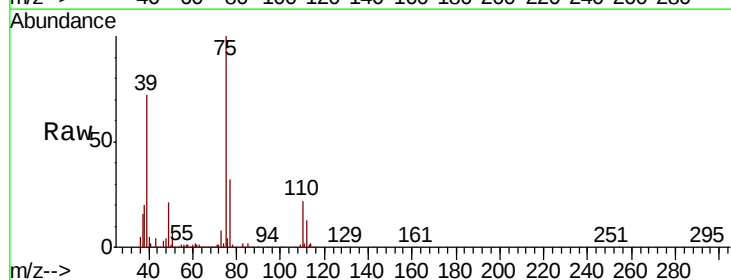
Tgt Ion: 75 Resp: 1402143

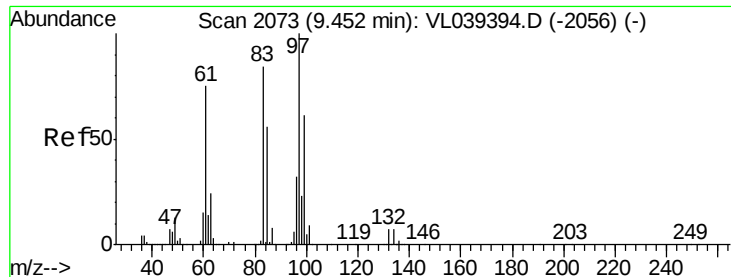
Ion Ratio Lower Upper

75 100

39 71.8 55.0 82.4

77 32.1 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 10.125 ppbv

RT: 9.49 Instrument:

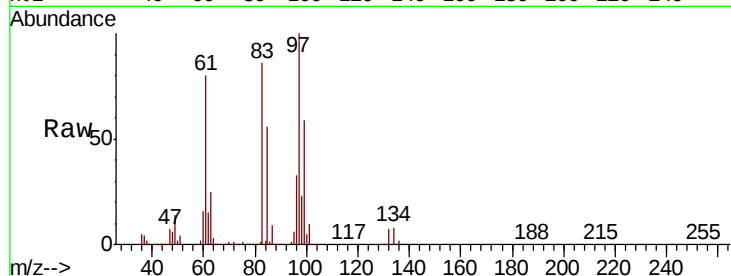
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Jul 2022 14:38 VL0719ABS01

Tot Ion: 97 Resp: 1080637

Ion	Ratio	Lower	Upper
97	100		
83	86.2	67.4	101.0
85	56.0	45.1	67.7
99	59.2	48.6	73.0

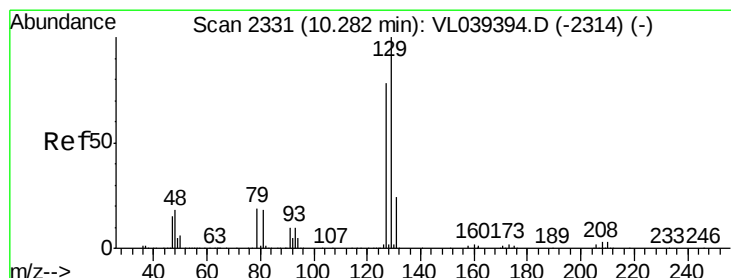
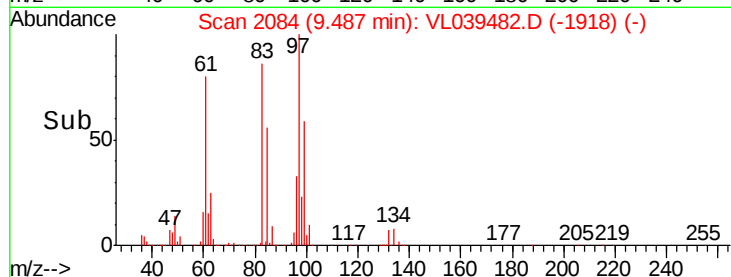
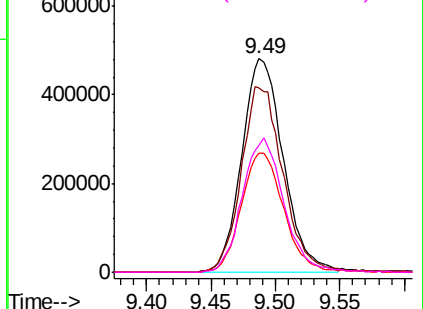


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.342 ppbv

RT: 10.32 min Scan# 2343

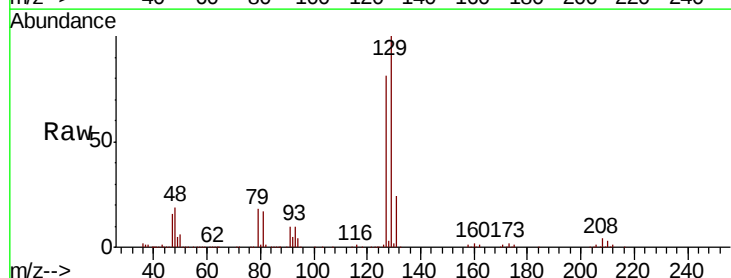
Delta R.T. 0.04 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

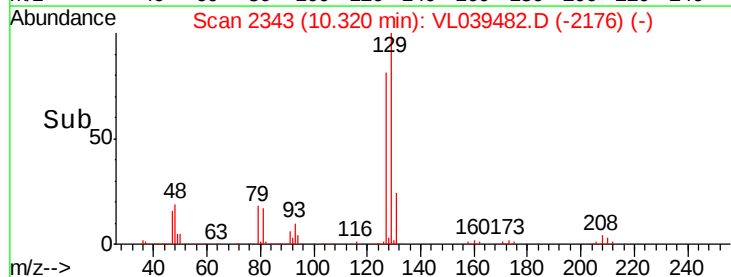
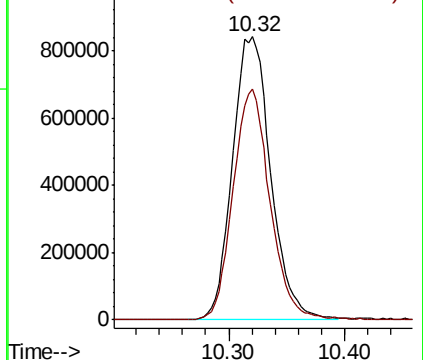
Tgt Ion: 129 Resp: 1923877

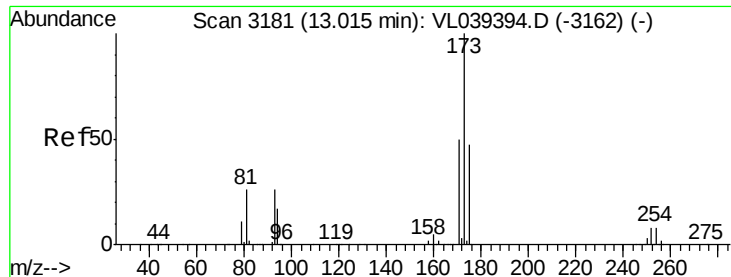
Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.3	117.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.773 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Jul 2022 14:38

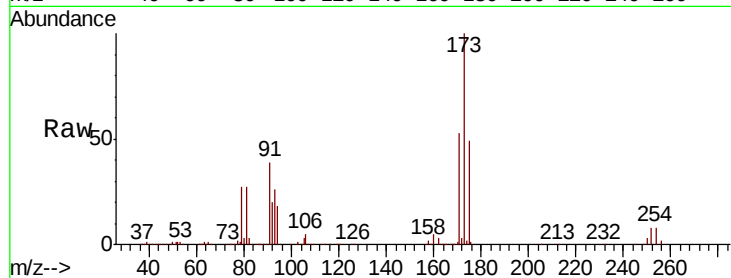
Tot Ion:173 Resp: 1611101

Ion Ratio Lower Upper

173 100

175 50.7 40.3 60.5

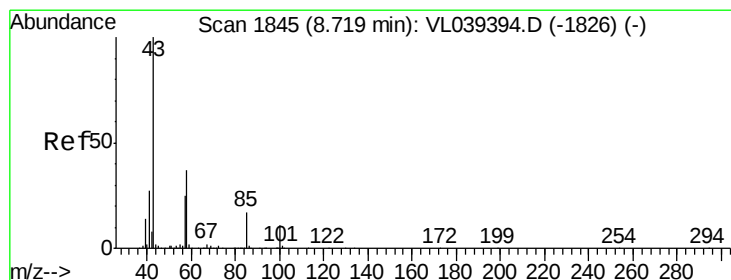
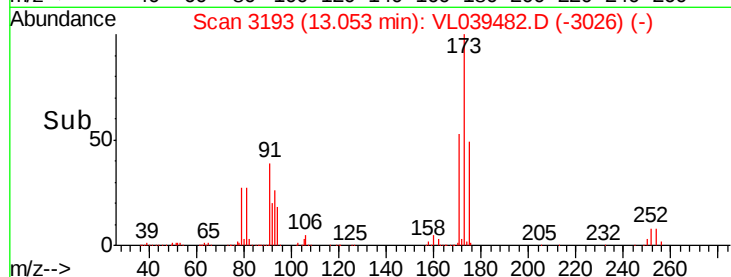
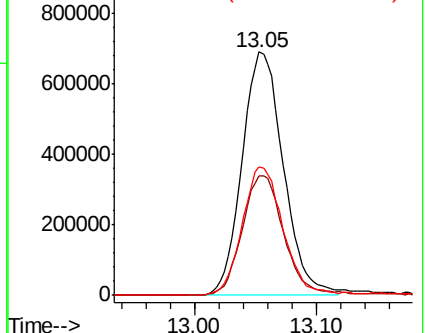
171 54.1 42.9 64.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.773 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.03 min

Lab File: VL039482.D

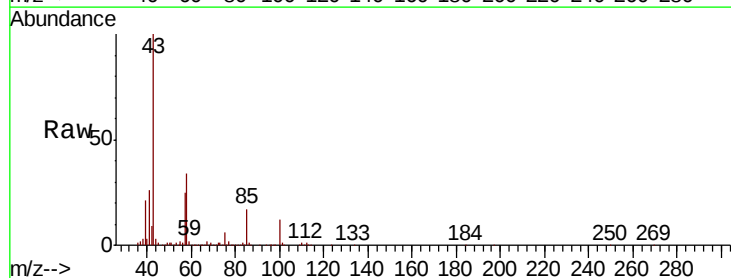
Acq: 19 Jul 2022 14:38

Tgt Ion: 43 Resp: 2697626

Ion Ratio Lower Upper

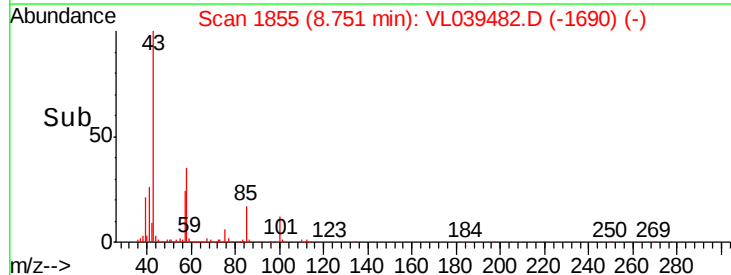
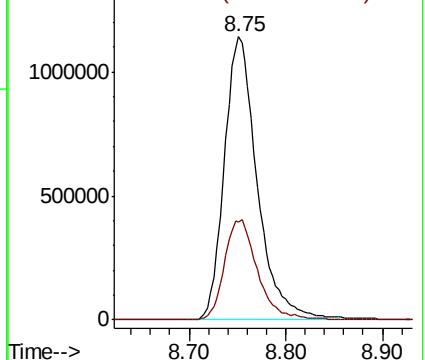
43 100

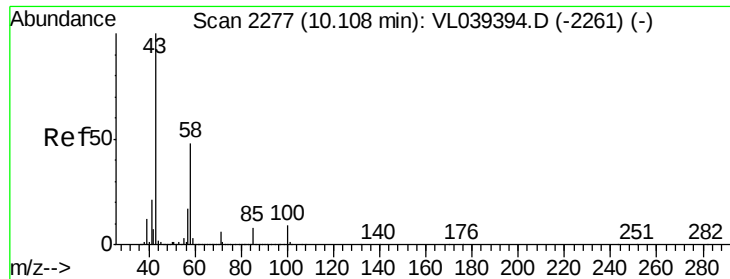
58 36.0 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 5.561 ppbv

RT: 10.14

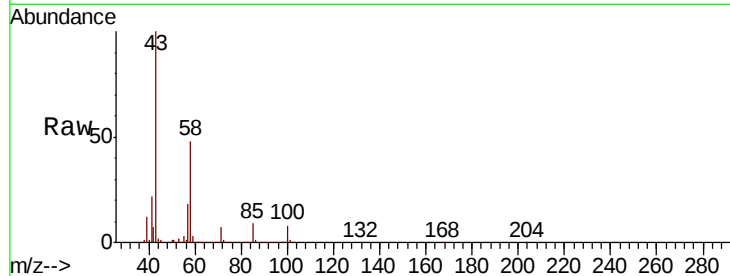
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

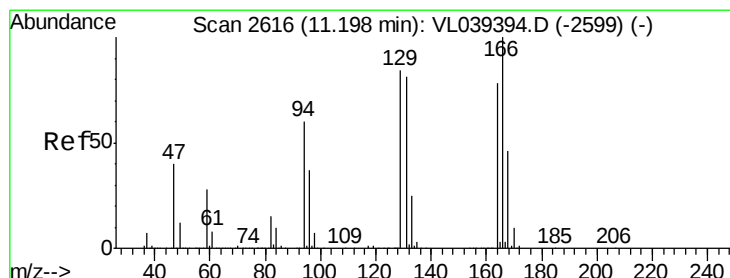
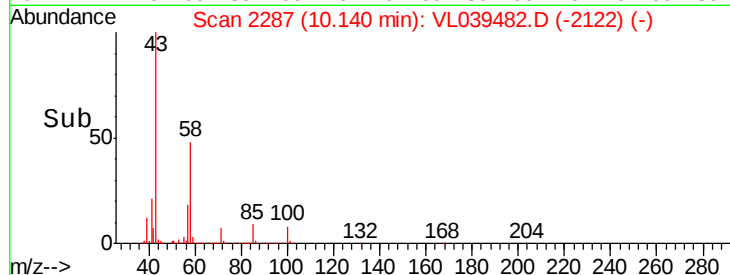
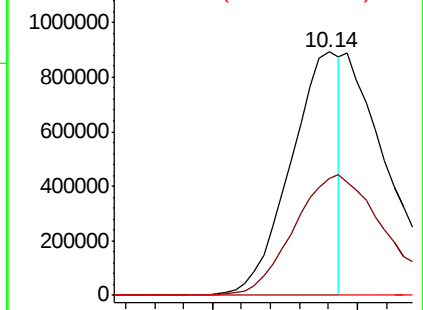
Acq: 19 Jul 2022 14:38

Tot Ion: 43 Resp: 1053350

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.4	57.6#
98	0.8	0.3	0.5#



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



#52

Tetrachloroethene

Concen: 10.095 ppbv

RT: 11.24 min Scan# 2628

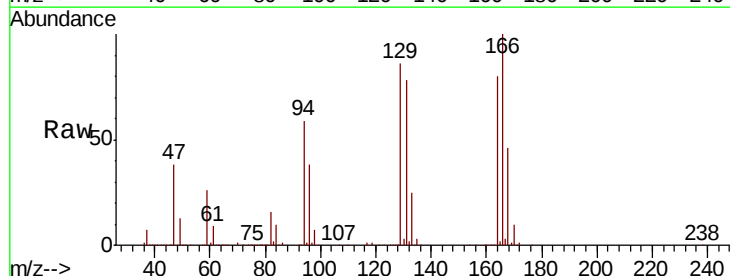
Delta R.T. 0.04 min

Lab File: VL039482.D

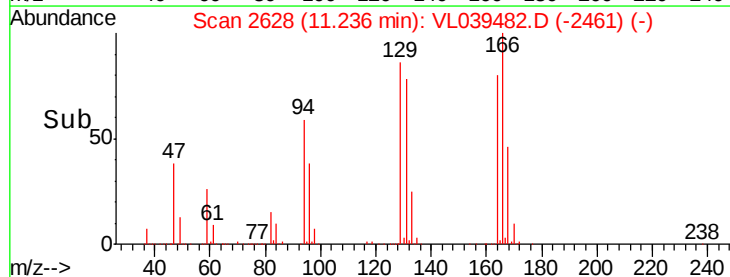
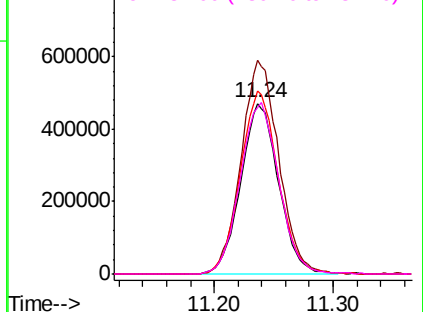
Acq: 19 Jul 2022 14:38

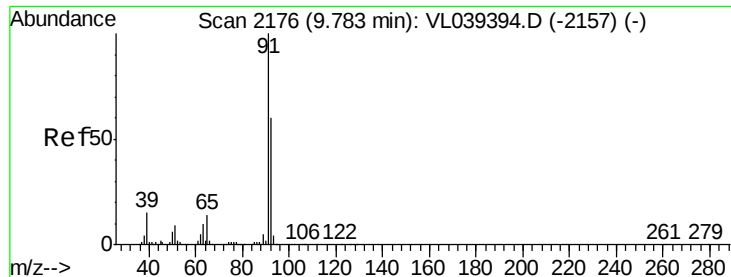
Tgt Ion: 164 Resp: 1034707

Ion	Ratio	Lower	Upper
164	100		
166	125.2	102.2	153.2
129	107.6	85.8	128.8
131	97.7	83.3	124.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 10.669 ppbv

RT: 9.82 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: VL0719ABS01

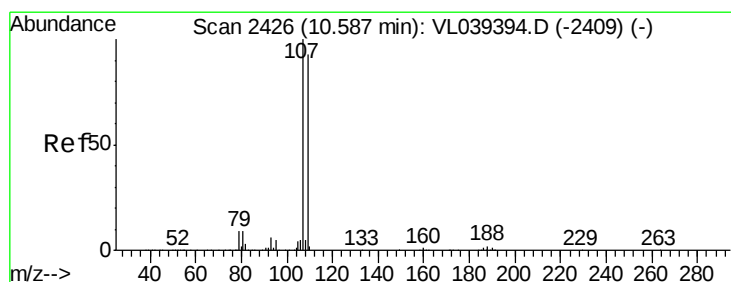
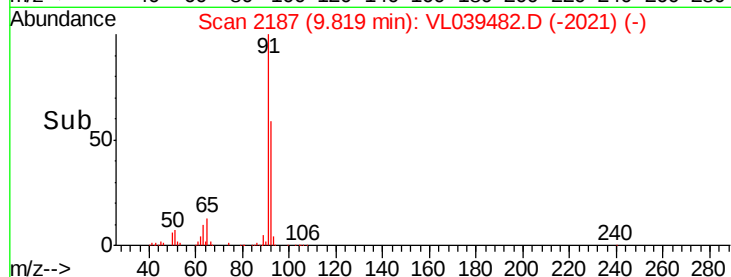
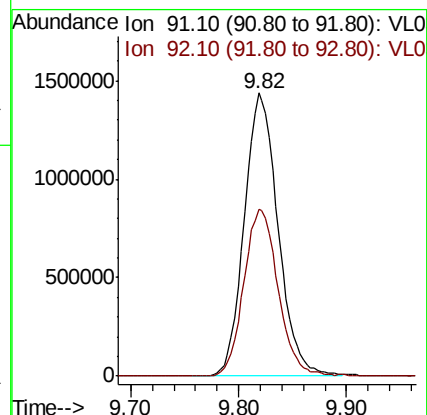
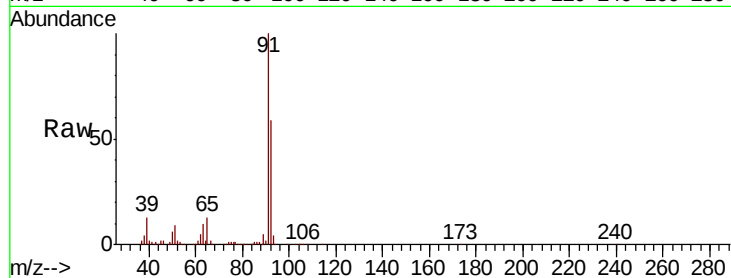
Acq: 19 Jul 2022 14:38

Tot Ion: 91 Resp: 3133291

Ion Ratio Lower Upper

91 100

92 60.3 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.922 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. 0.04 min

Lab File: VL039482.D

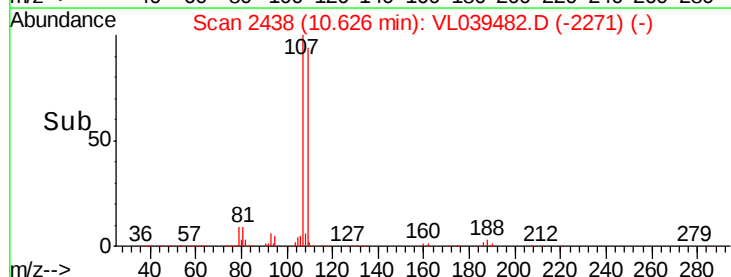
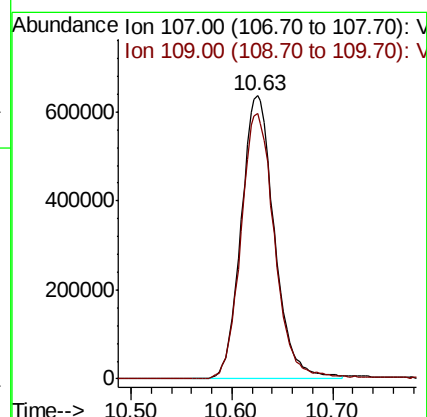
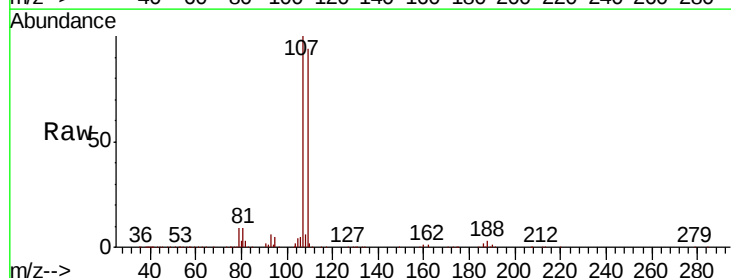
Acq: 19 Jul 2022 14:38

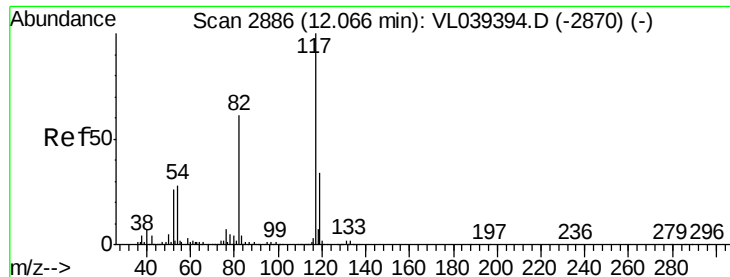
Tgt Ion: 107 Resp: 1450453

Ion Ratio Lower Upper

107 100

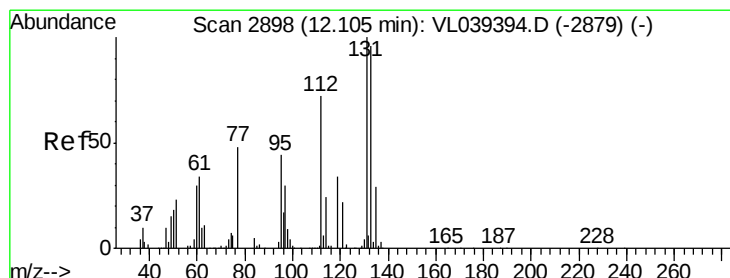
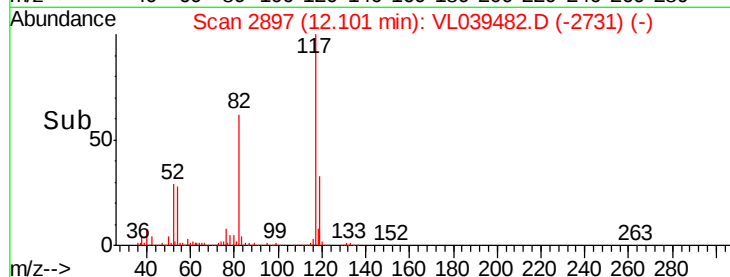
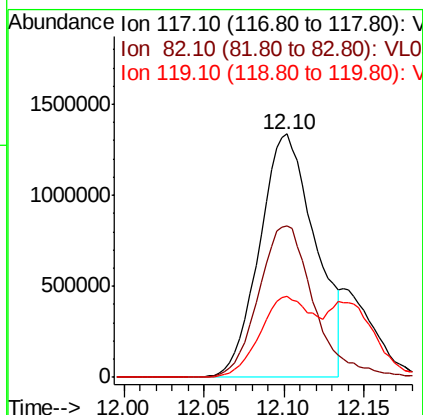
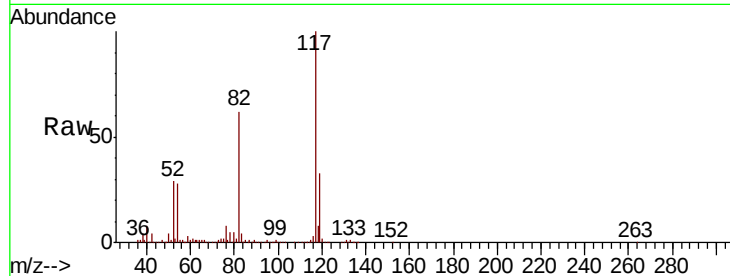
109 93.8 74.8 112.2





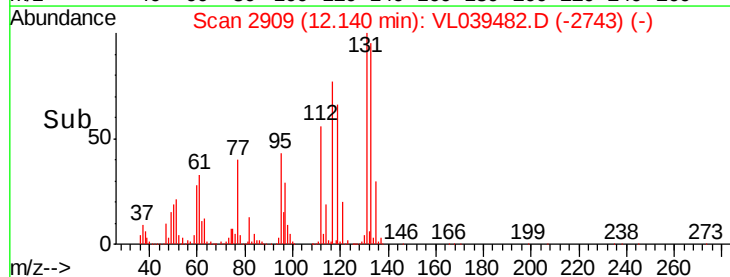
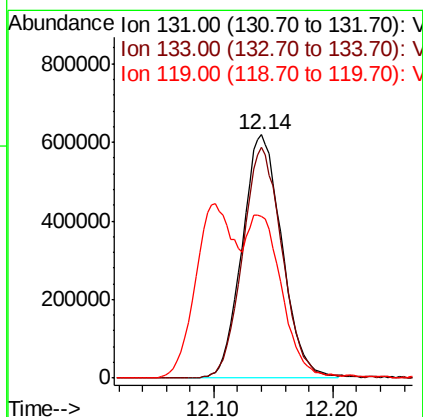
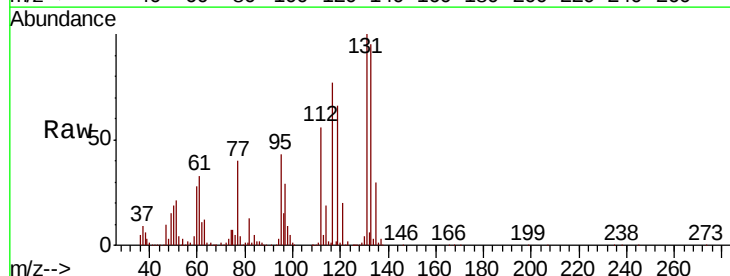
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0719ABS01
Acq: 19 Jul 2022 14:38

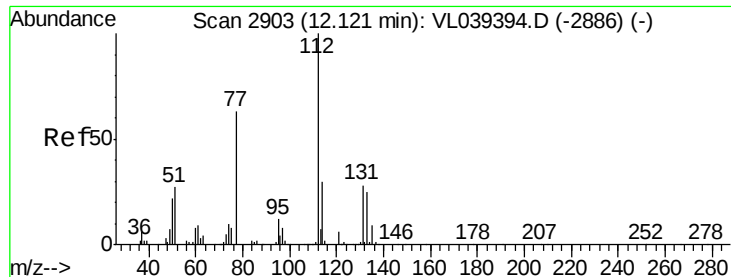
Tot Ion:117 Resp: 3237000
Ion Ratio Lower Upper
117 100
82 62.8 50.8 76.2
119 30.5 24.1 36.1



#56
1,1,1,2-Tetrachloroethane
Concen: 10.024 ppbv
RT: 12.14 min Scan# 2909
Delta R.T.: 0.04 min
Lab File: VL039482.D
Acq: 19 Jul 2022 14:38

Tgt Ion:131 Resp: 1433389
Ion Ratio Lower Upper
131 100
133 95.3 76.8 115.2
119 63.8 46.2 69.4





#57

Chlorobenzene

Concen: 9.555 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Jul 2022 14:38

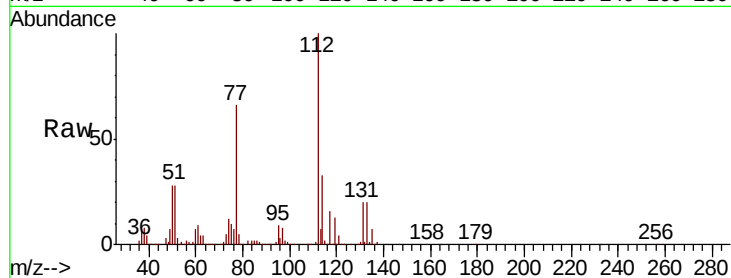
Tot Ion: 112 Resp: 2398014

Ion Ratio Lower Upper

112 100

77 65.3 51.0 76.4

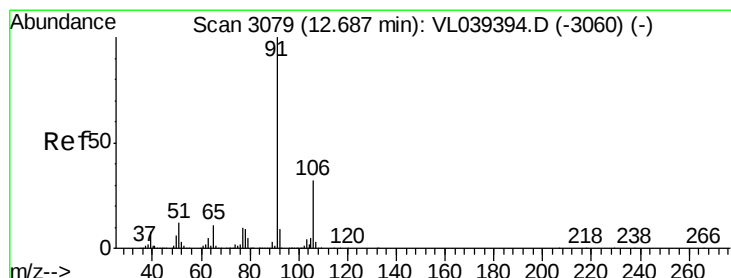
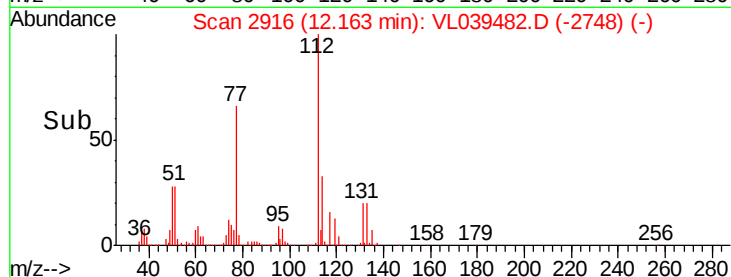
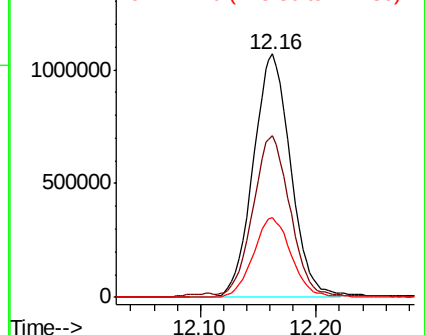
114 32.5 27.5 33.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.103 ppbv

RT: 12.73 min Scan# 3091

Delta R.T. 0.04 min

Lab File: VL039482.D

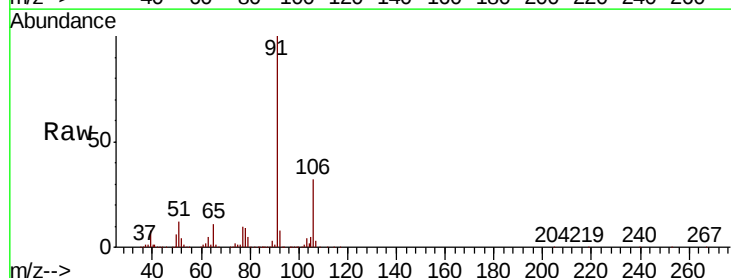
Acq: 19 Jul 2022 14:38

Tgt Ion: 91 Resp: 4222699

Ion Ratio Lower Upper

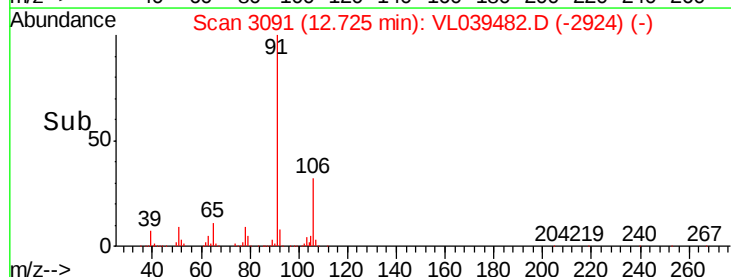
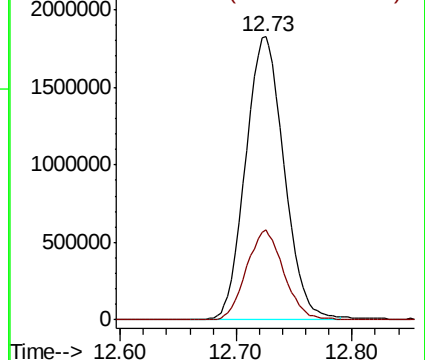
91 100

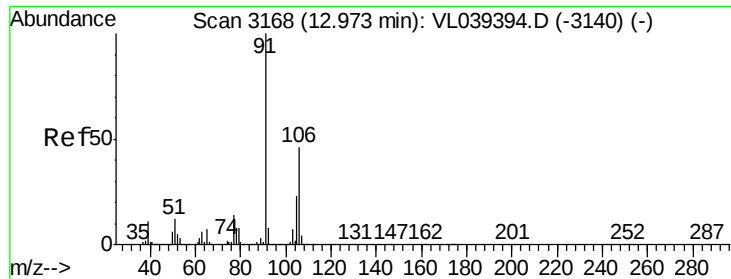
106 31.9 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.454 ppbv

RT: 13.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

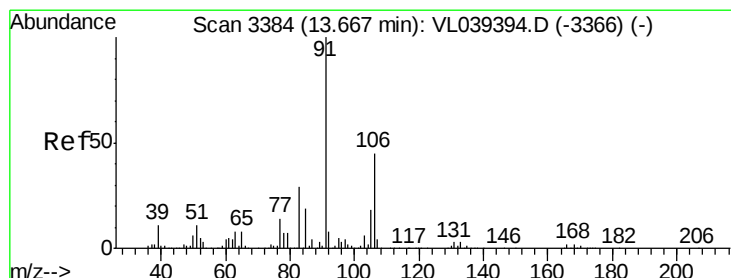
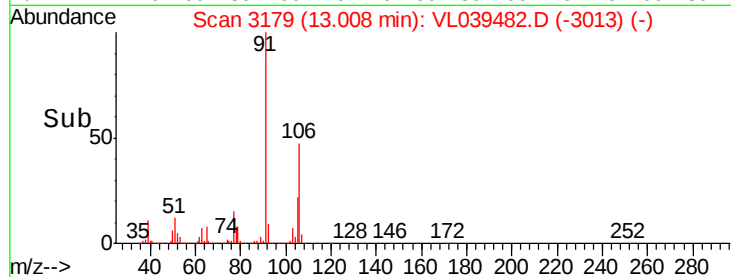
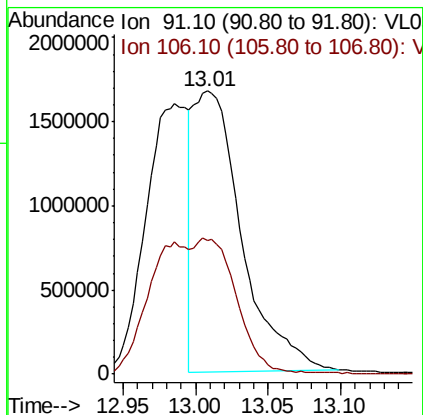
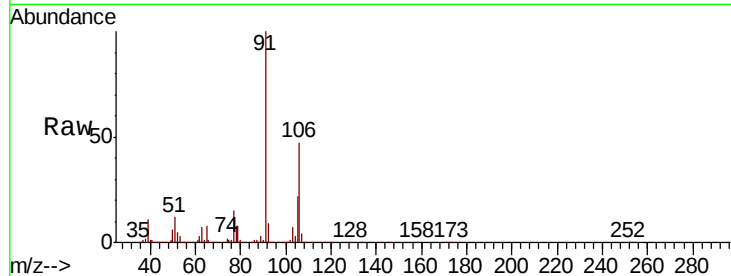
Acq: 19 Jul 2022 14:38

Tot Ion: 91 Resp: 3852290

Ion Ratio Lower Upper

91 100

106 84.6 35.4 53.2#



#60

o-Xylene

Concen: 10.008 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.04 min

Lab File: VL039482.D

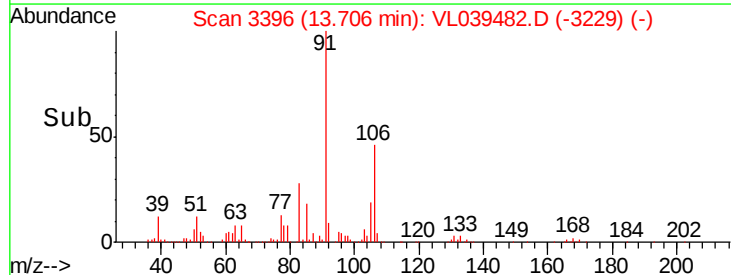
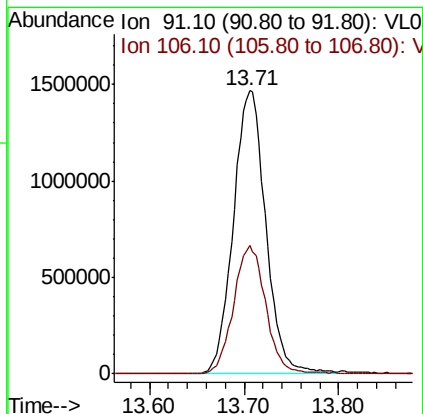
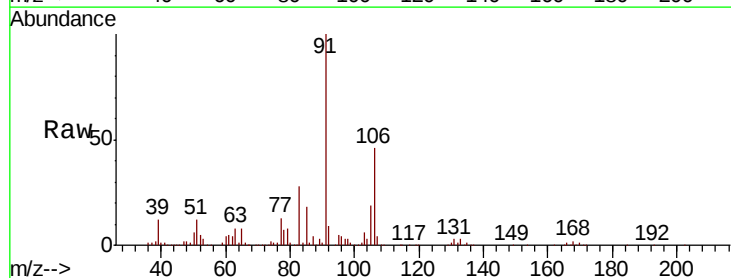
Acq: 19 Jul 2022 14:38

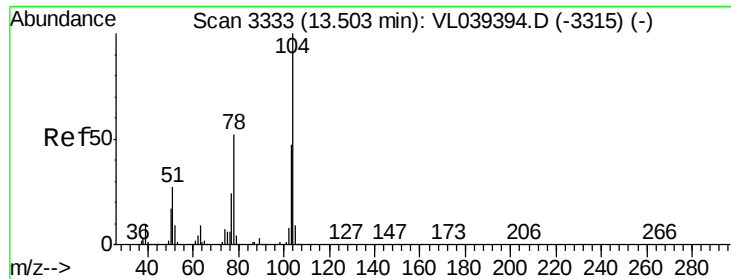
Tgt Ion: 91 Resp: 3492153

Ion Ratio Lower Upper

91 100

106 45.6 22.4 67.3

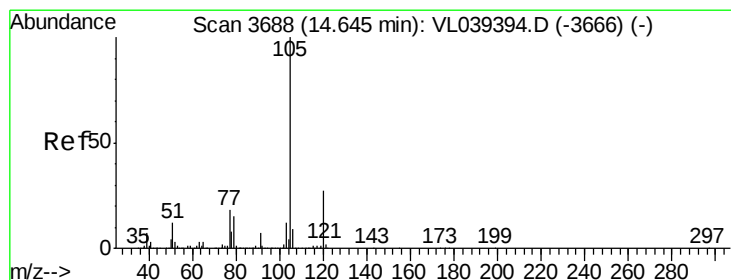
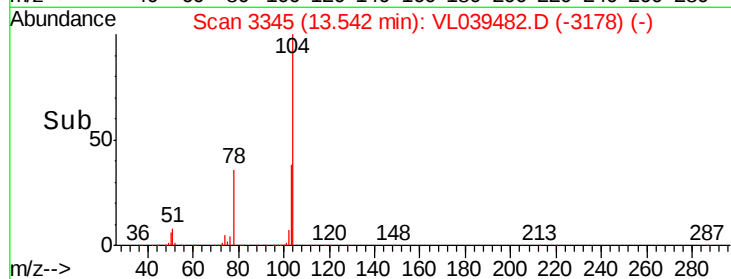
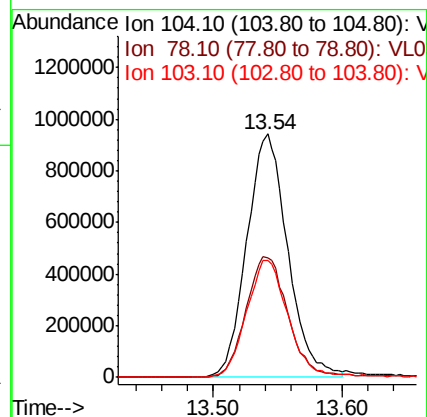
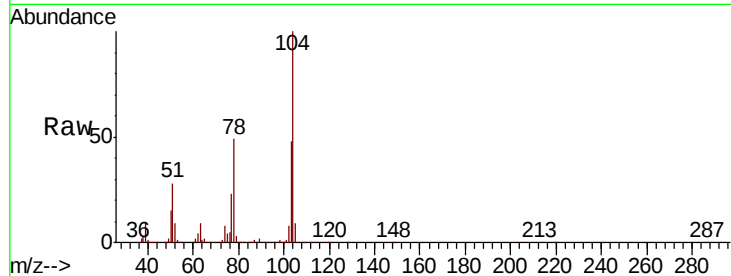




#61
Stvrene
Concen: 11.006 ppbv
RT: 13.54 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0719ABS01
Acq: 19 Jul 2022 14:38

Tot Ion:104 Resp: 2080441

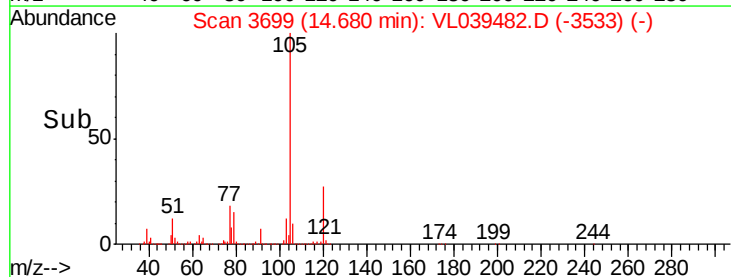
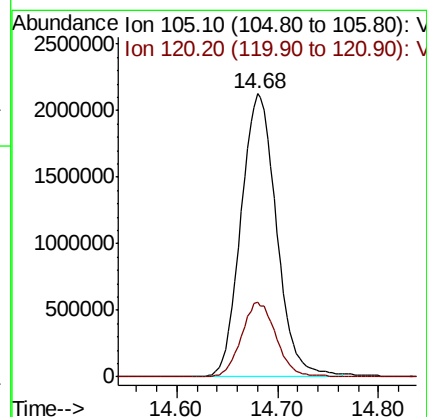
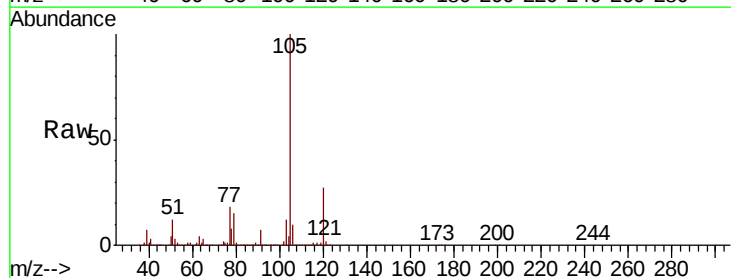
Ion	Ratio	Lower	Upper
104	100		
78	51.7	41.2	61.8
103	49.5	38.7	58.1

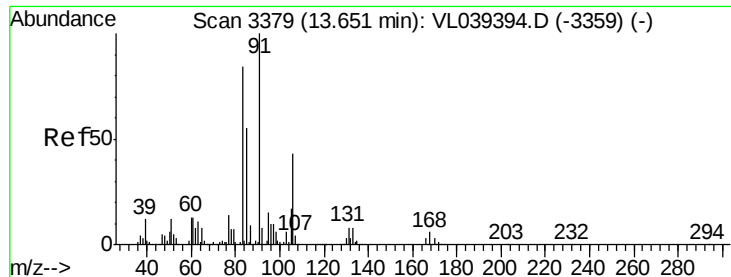


#62
Isopropylbenzene
Concen: 9.774 ppbv
RT: 14.68 min Scan# 3699
Delta R.T. 0.04 min
Lab File: VL039482.D
Acq: 19 Jul 2022 14:38

Tgt Ion:105 Resp: 5193843

Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.7	31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 8.954 ppbv

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 19 Jul 2022 14:38

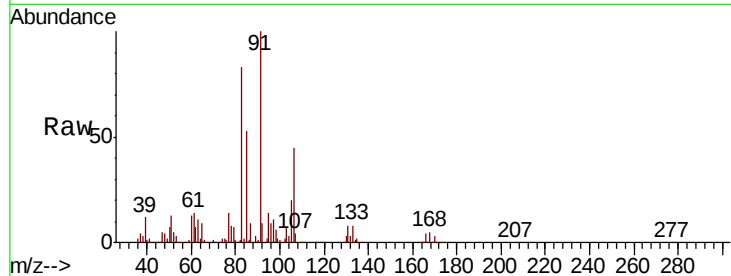
Tot Ion: 83 Resp: 1637722

Ion Ratio Lower Upper

83 100

131 10.6 5.3 15.8

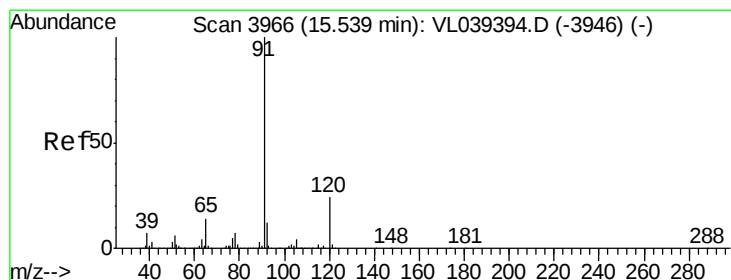
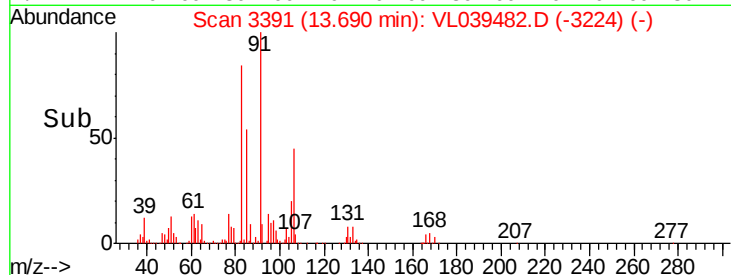
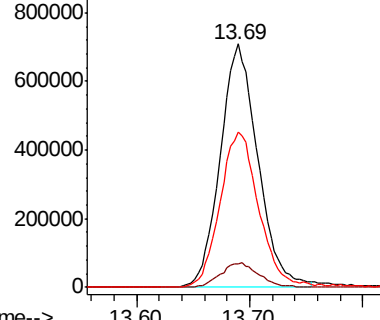
85 67.4 33.1 99.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.027 ppbv

RT: 15.57 min Scan# 3977

Delta R.T. 0.04 min

Lab File: VL039482.D

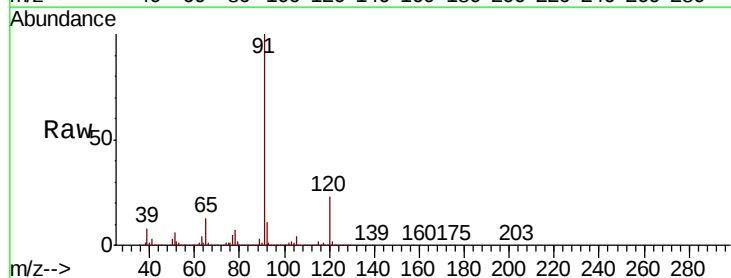
Acq: 19 Jul 2022 14:38

Tgt Ion:120 Resp: 1350528

Ion Ratio Lower Upper

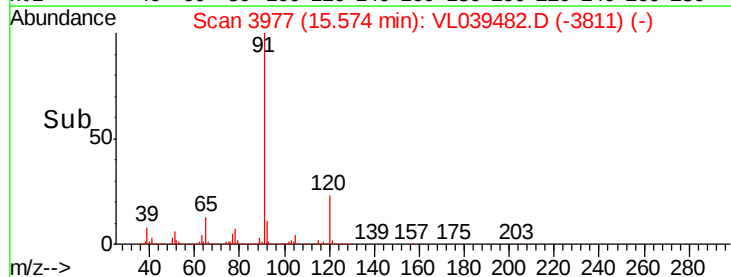
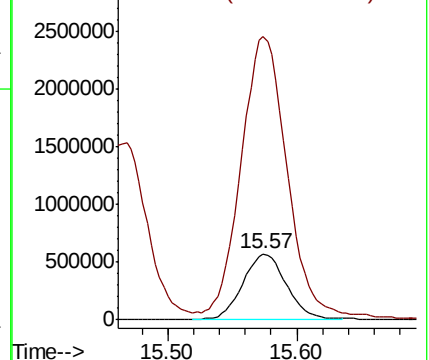
120 100

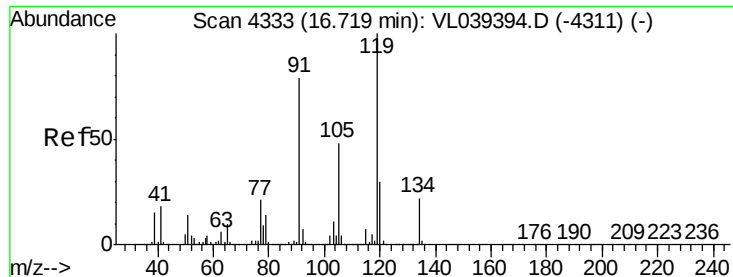
91 461.3 367.2 550.8



Abundance Ion 120.20 (119.90 to 120.90): V

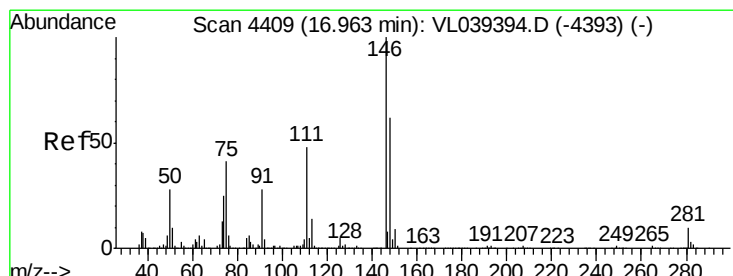
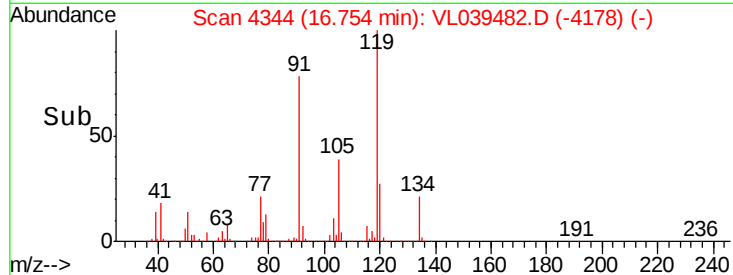
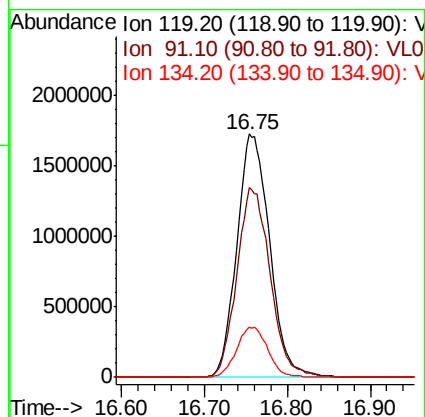
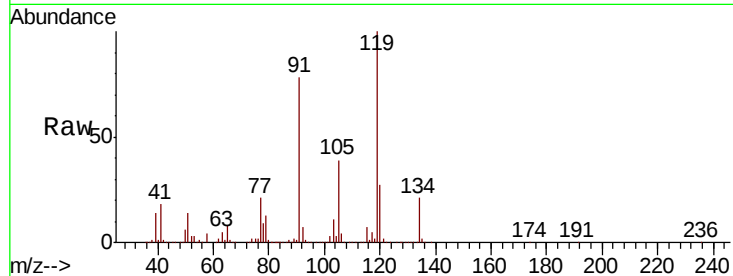
Ion 91.10 (90.80 to 91.80): VL0





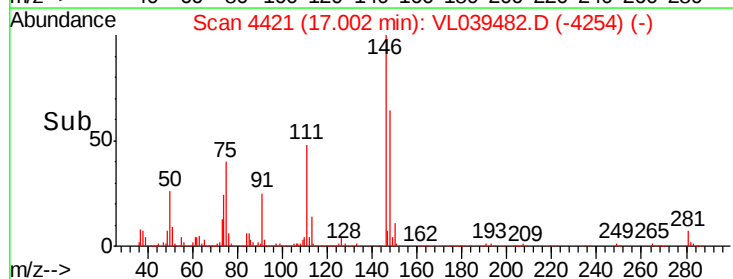
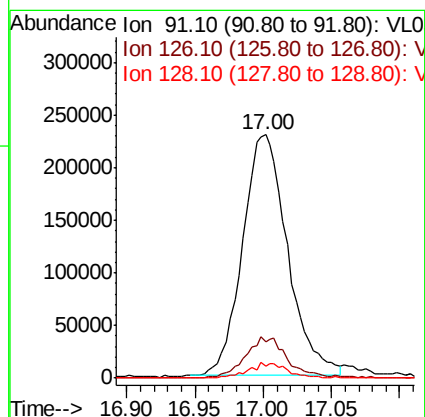
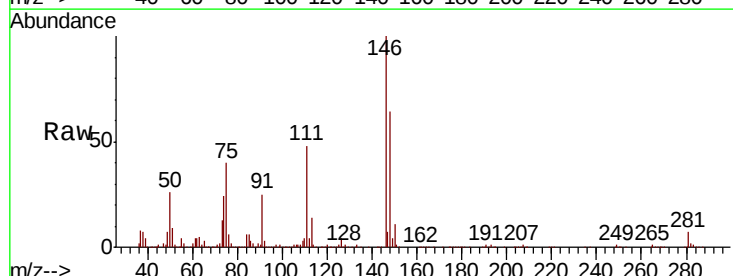
#65
 tert-Butylbenzene
 Concen: 9.657 ppbv
 RT: 16.75
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0719ABS01
 Acq: 19 Jul 2022 14:38

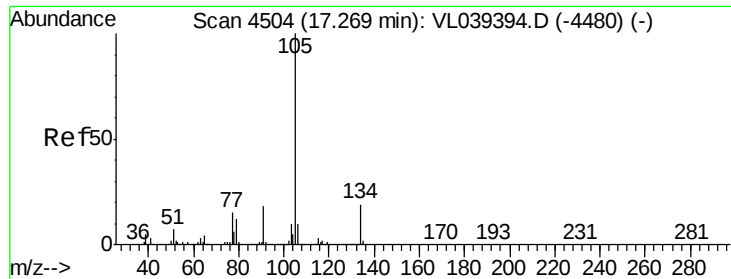
Tot Ion: 119 Resp: 4741806
 Ion Ratio Lower Upper
 119 100
 91 79.0 63.4 95.2
 134 20.0 15.9 23.9



#66
 Benzyl Chloride
 Concen: 11.281 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. 0.04 min
 Lab File: VL039482.D
 Acq: 19 Jul 2022 14:38

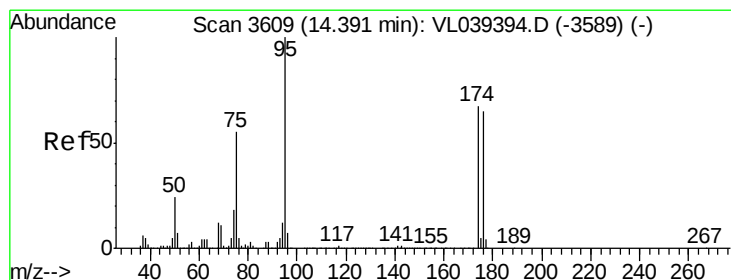
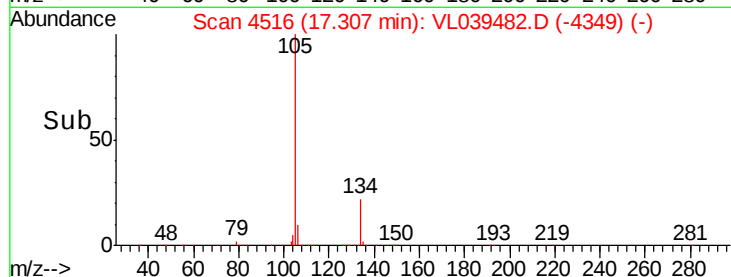
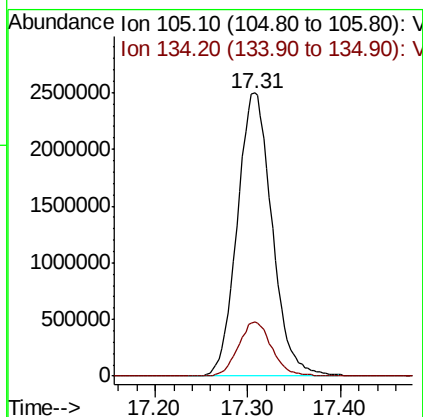
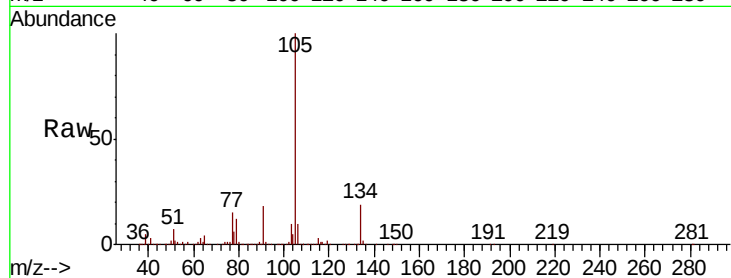
Tgt Ion: 91 Resp: 526376
 Ion Ratio Lower Upper
 91 100
 126 16.2 13.1 19.7
 128 5.6 4.4 6.6





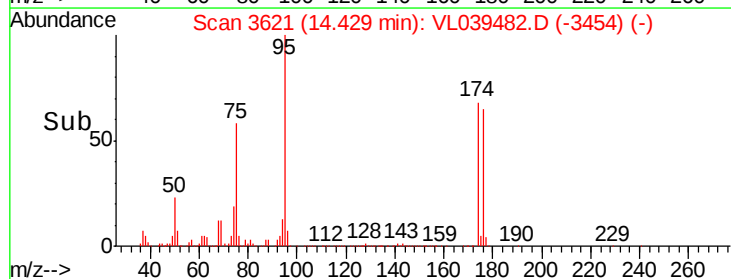
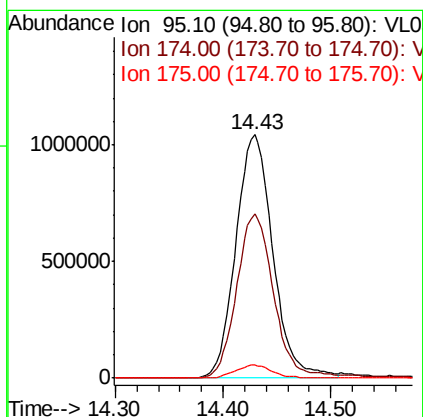
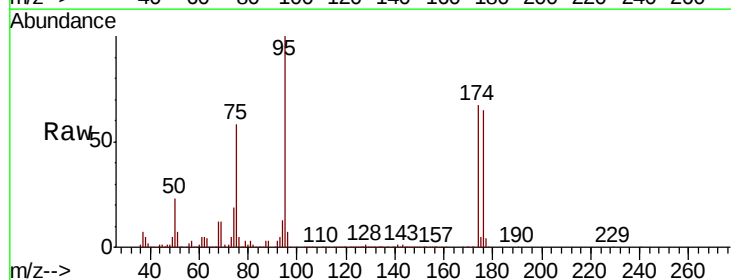
#67
 sec-Butylbenzene
 Concen: 9.794 ppbv
 RT: 17.31 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0719ABS01
 Acq: 19 Jul 2022 14:38

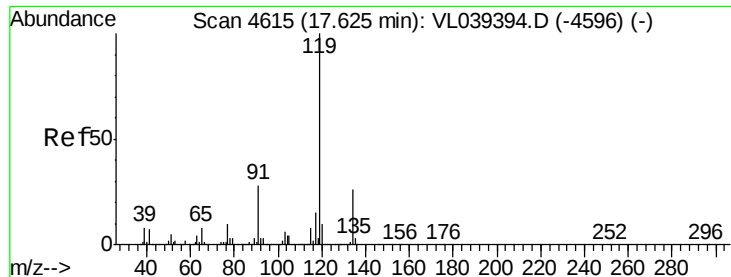
Tot Ion: 105 Resp: 6477875
 Ion Ratio Lower Upper
 105 100
 134 18.6 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.402 ppbv
 RT: 14.43 min Scan# 3621
 Delta R.T. 0.04 min
 Lab File: VL039482.D
 Acq: 19 Jul 2022 14:38

Tgt Ion: 95 Resp: 2497968
 Ion Ratio Lower Upper
 95 100
 174 68.7 55.9 83.9
 175 5.5 4.2 6.4

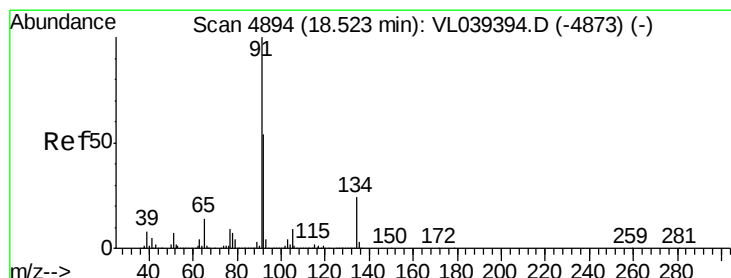
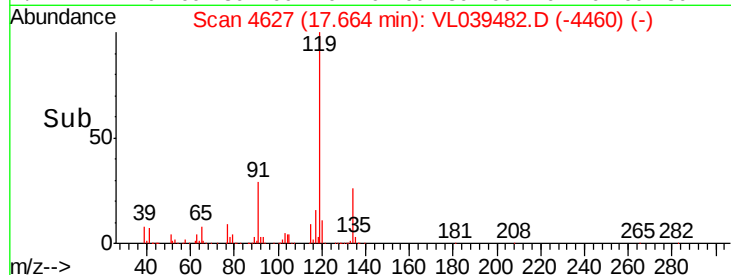
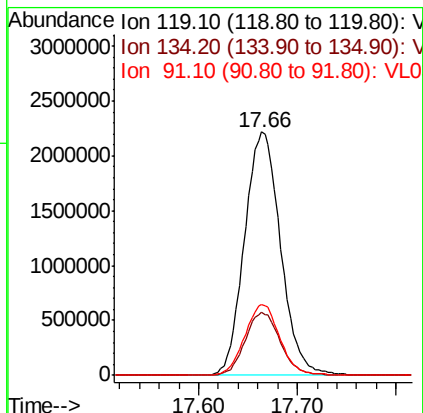
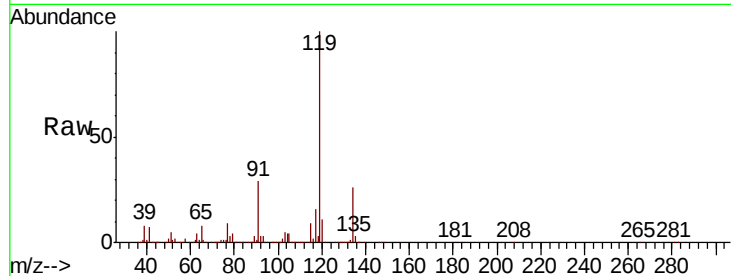




#69
 p-Isopropyltoluene
 Concen: 9.963 ppbv
 RT: 17.66
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0719ABS01
 Acq: 19 Jul 2022 14:38

Tot Ion: 119 Resp: 5591297

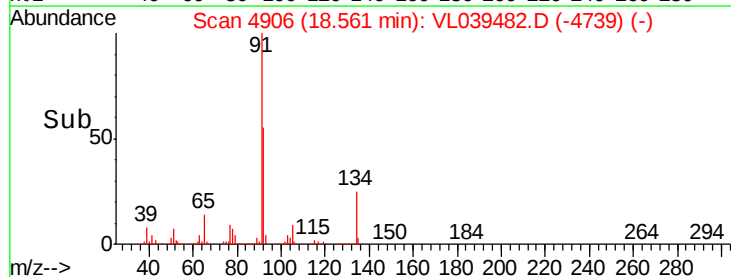
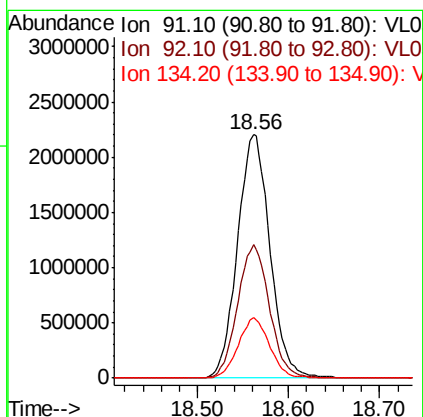
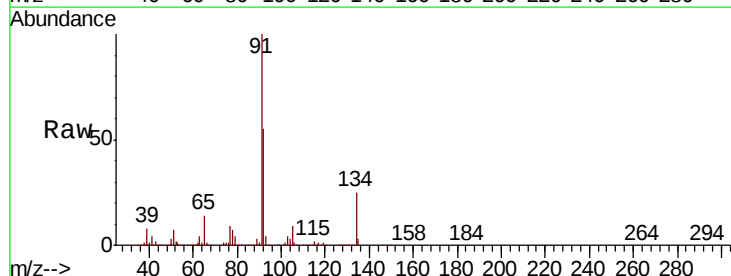
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	28.4	22.9	34.3

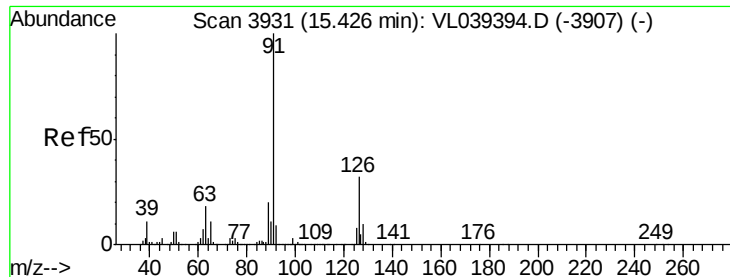


#70
 n-Butylbenzene
 Concen: 10.003 ppbv
 RT: 18.56 min Scan# 4906
 Delta R.T. 0.04 min
 Lab File: VL039482.D
 Acq: 19 Jul 2022 14:38

Tgt Ion: 91 Resp: 5448360

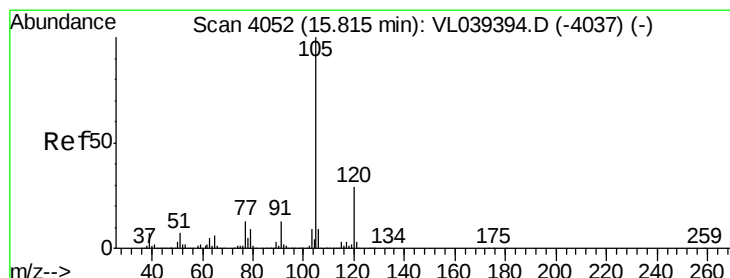
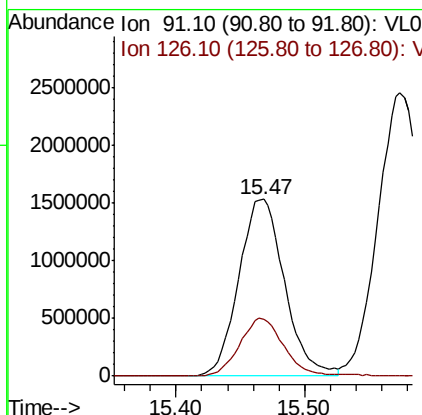
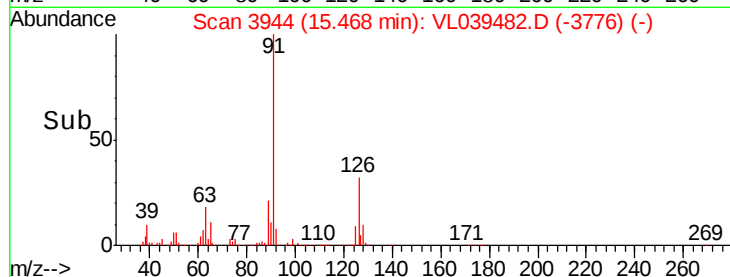
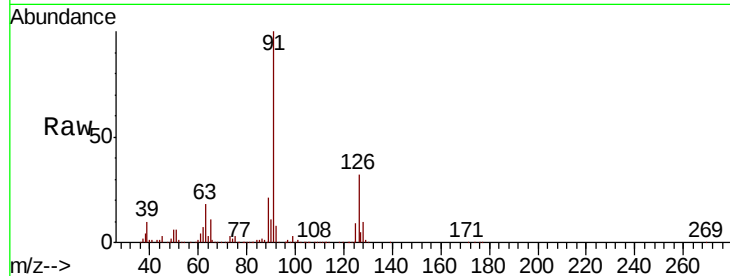
Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.4	65.2
134	24.0	18.9	28.3





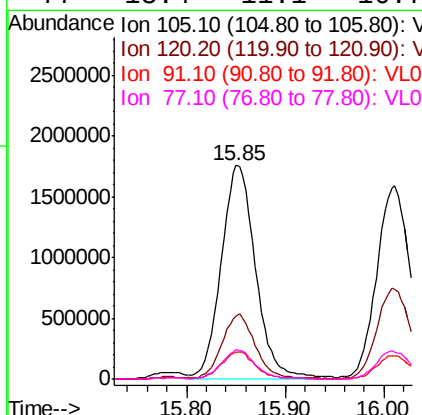
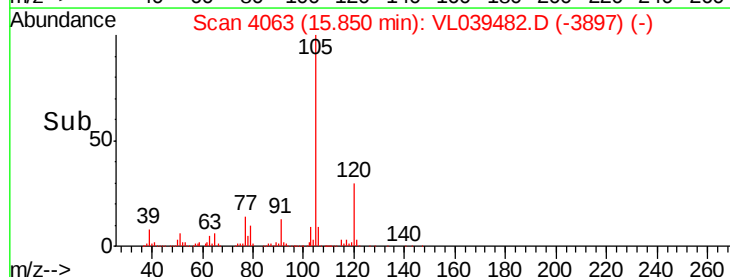
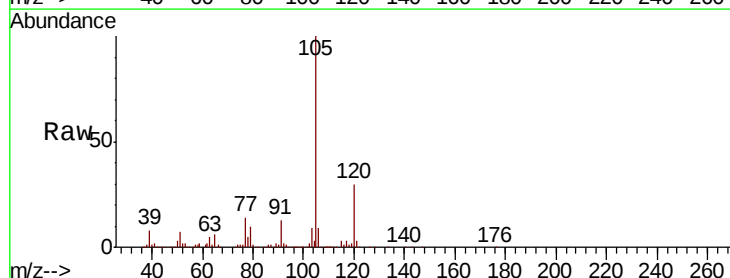
#71
 2-Chlorotoluene
 Concen: 9.957 ppbv
 RT: 15.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0719ABS01
 Acq: 19 Jul 2022 14:38

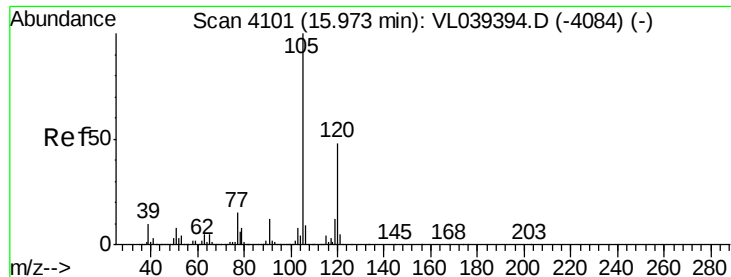
Tot Ion: 91 Resp: 3786681
 Ion Ratio Lower Upper
 91 100
 126 32.5 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 10.500 ppbv
 RT: 15.85 min Scan# 4063
 Delta R.T. 0.04 min
 Lab File: VL039482.D
 Acq: 19 Jul 2022 14:38

Tgt Ion:105 Resp: 4307693
 Ion Ratio Lower Upper
 105 100
 120 29.4 24.2 36.2
 91 13.3 10.2 15.4
 77 13.4 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.380 ppbv

RT: 16.01

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

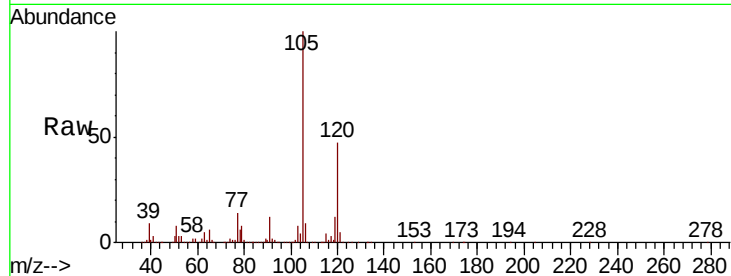
Acq: 19 Jul 2022 14:38

Tot Ion:105 Resp: 3911159

Ion Ratio Lower Upper

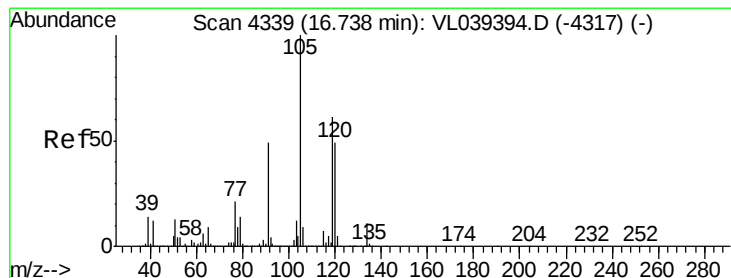
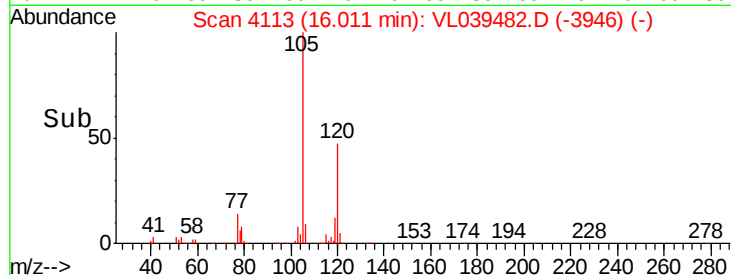
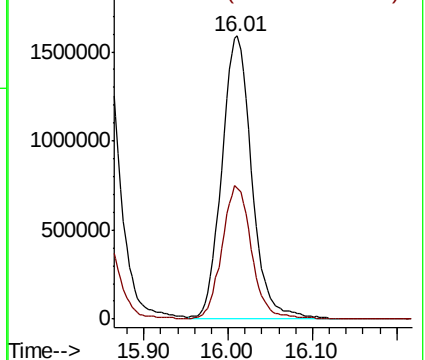
105 100

120 46.5 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.939 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.04 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

Tgt Ion:105 Resp: 4142772

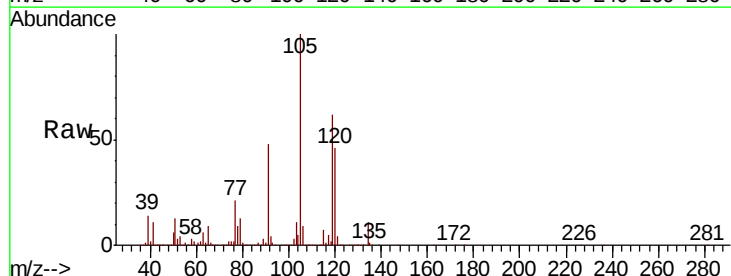
Ion Ratio Lower Upper

105 100

120 46.2 39.5 59.3

91 48.0 39.2 58.8

77 20.7 17.2 25.8

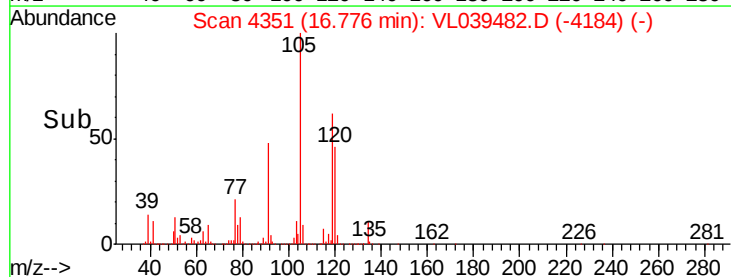
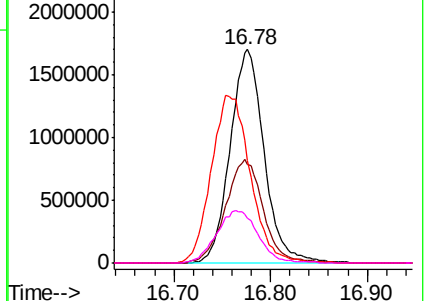


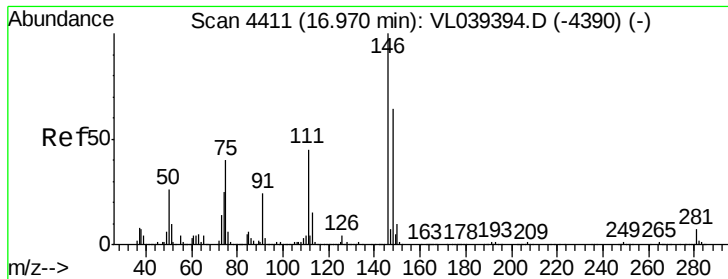
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

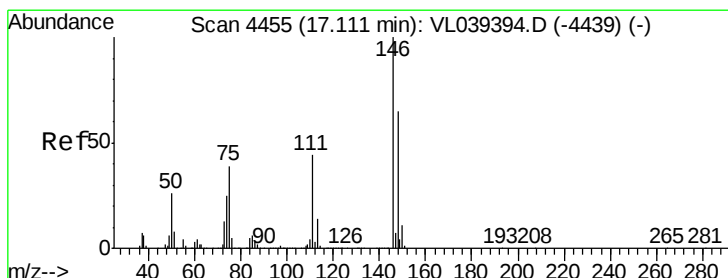
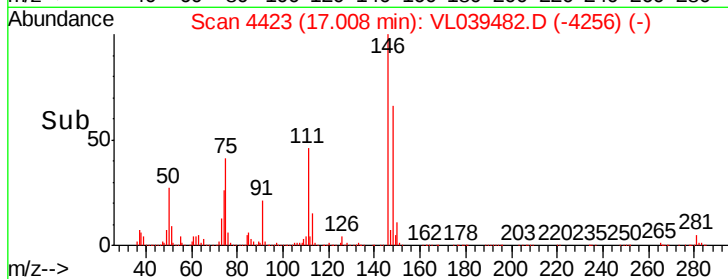
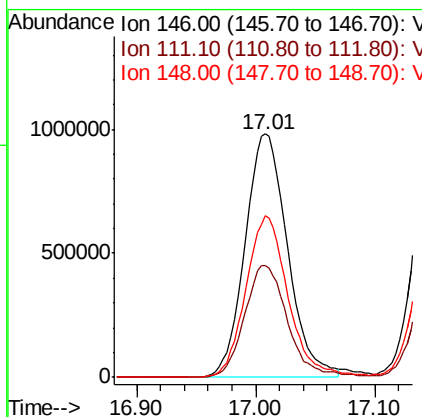
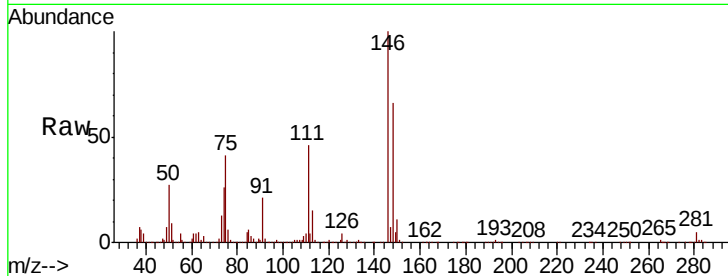
Ion 77.10 (76.80 to 77.80): VL0





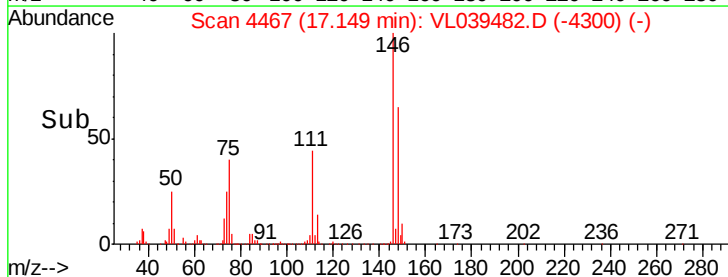
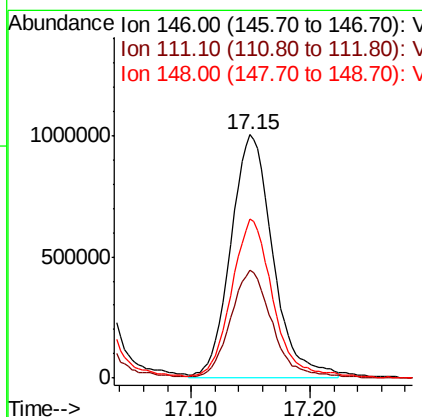
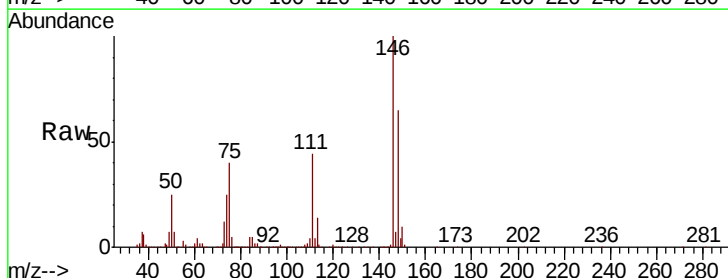
#75
 1,3-Dichlorobenzene
 Concen: 9.772 ppbv
 RT: 17.01 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0719ABS01
 Acq: 19 Jul 2022 14:38

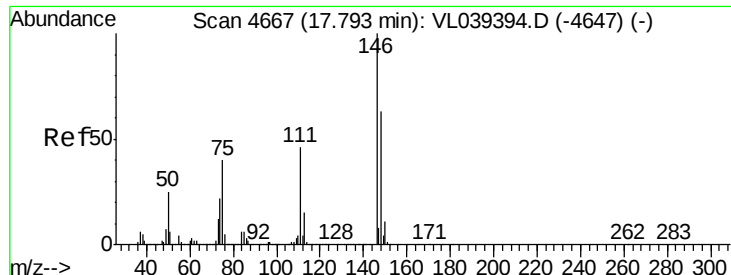
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.9	68.7
148	65.9	32.1	96.5



#76
 1,4-Dichlorobenzene
 Concen: 9.943 ppbv
 RT: 17.15 min Scan# 4467
 Delta R.T. 0.04 min
 Lab File: VL039482.D
 Acq: 19 Jul 2022 14:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.0	22.9	68.8
148	64.9	33.6	100.8

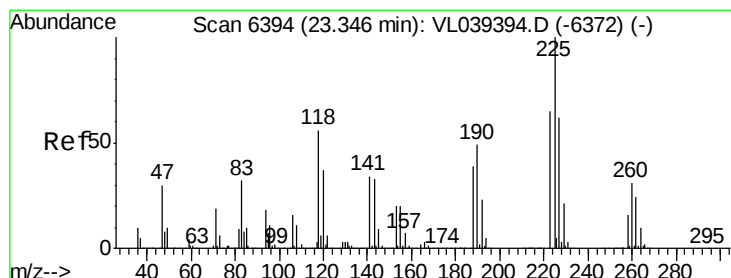
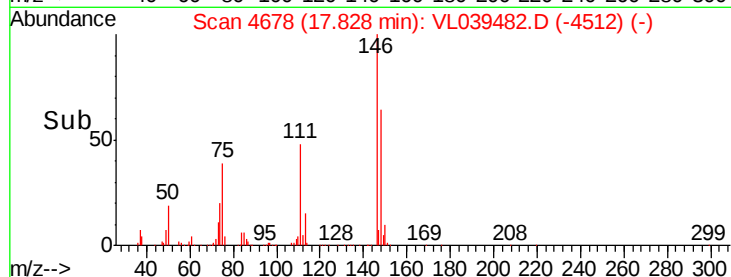
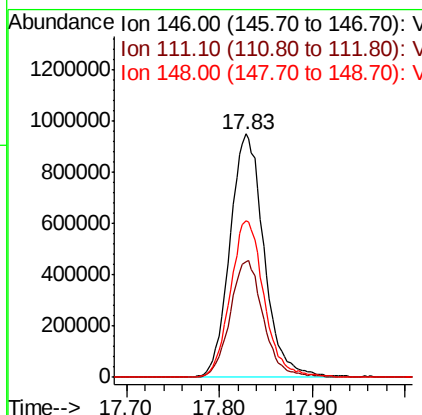
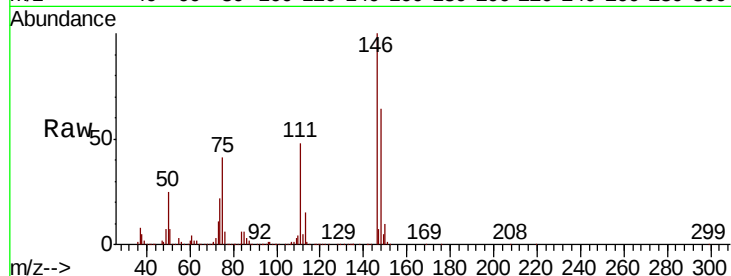




#77
 1,2-Dichlorobenzene
 Concen: 9.755 ppbv
 RT: 17.83 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0719ABS01
 Acq: 19 Jul 2022 14:38

Tot Ion:146 Resp: 2404129

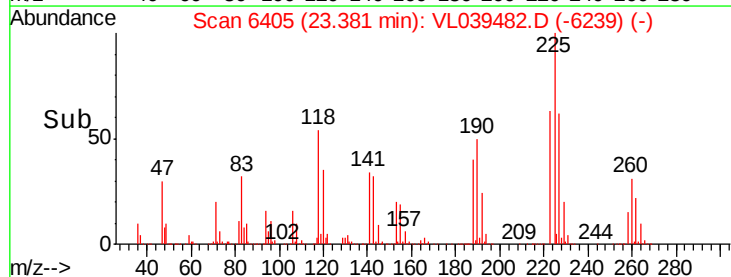
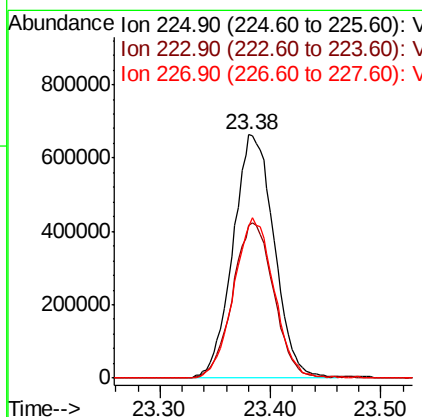
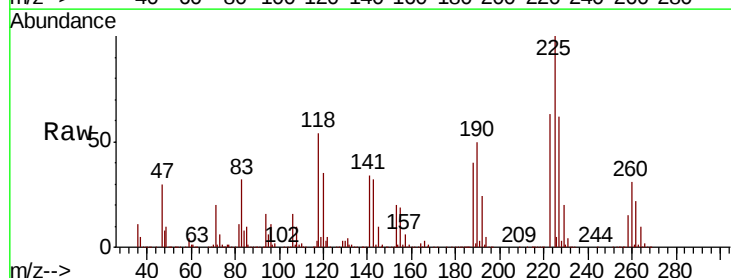
Ion	Ratio	Lower	Upper
146	100		
111	47.3	23.8	71.5
148	63.9	32.3	96.8

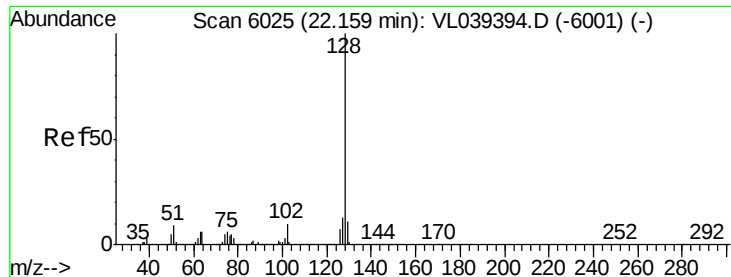


#78
 Hexachloro-1,3-Butadiene
 Concen: 8.579 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. 0.04 min
 Lab File: VL039482.D
 Acq: 19 Jul 2022 14:38

Tgt Ion:225 Resp: 1700560

Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.8	77.6
227	65.0	51.4	77.2





#79

Naphthalene

Concen: 11.598 ppbv

RT: 22.21 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Jul 2022 14:38

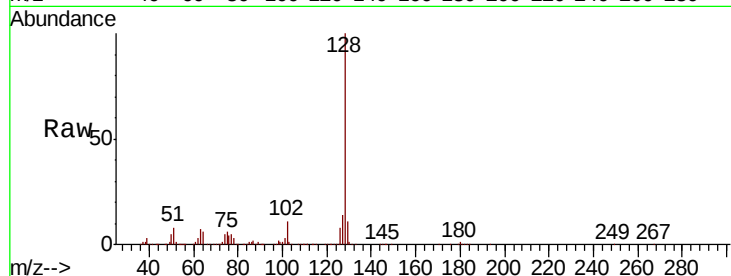
Tot Ion:128 Resp: 3327024

Ion Ratio Lower Upper

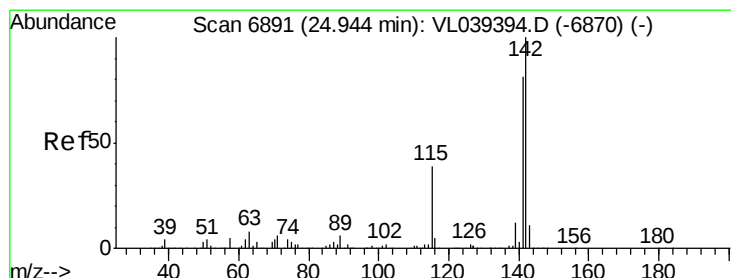
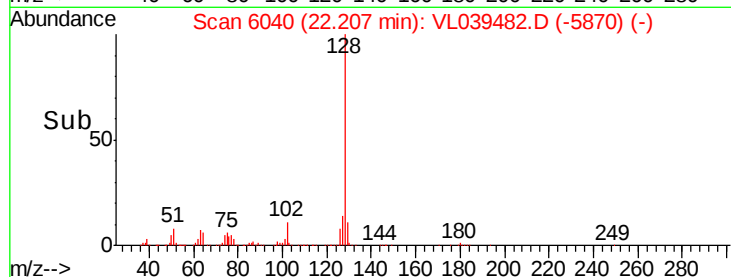
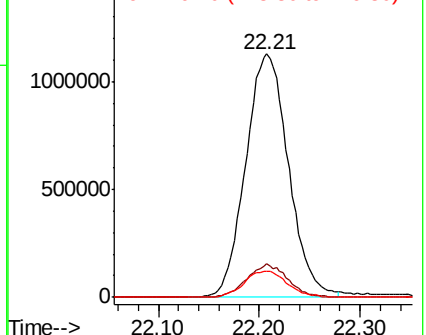
128 100

127 13.7 10.6 15.8

129 10.8 8.8 13.2



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: 12.904 ppbv

RT: 24.98 min Scan# 6901

Delta R.T. 0.03 min

Lab File: VL039482.D

Acq: 19 Jul 2022 14:38

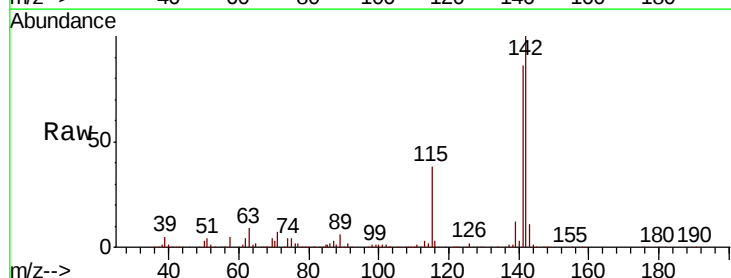
Tgt Ion:142 Resp: 1259859

Ion Ratio Lower Upper

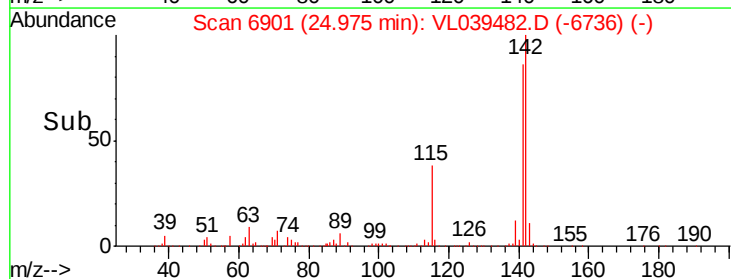
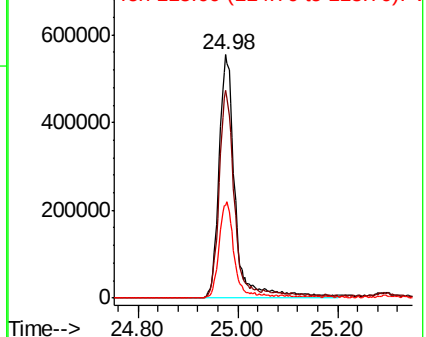
142 100

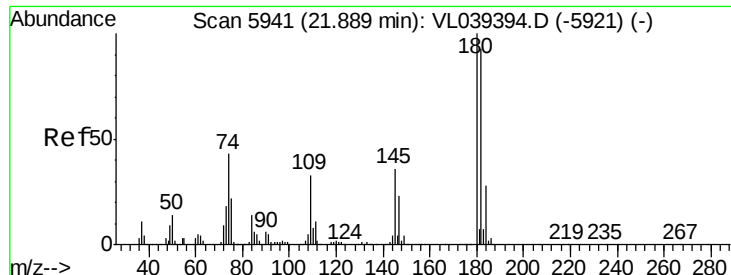
141 83.7 68.9 103.3

115 38.2 30.0 45.0



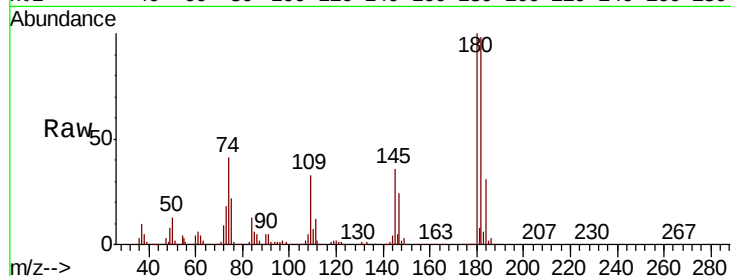
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.305 ppbv
 RT: 21.94
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId : VL0719ABS01
 Acq: 19 Jul 2022 14:38

Tot Ion:	180	Resp:	1925428
Ion	Ratio	Lower	Upper
180	100		
182	97.9	77.1	115.7
184	30.6	24.3	36.5



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

