

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036346.D
 Acq On : 24 Feb 2021 11:54
 Operator : SY/AP
 Sample : VL0224ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABS01

Quant Time: Feb 25 05:16:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1653093	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	3873024	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3557487	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3075982	10.51	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2133165	8.646 ppbv	99
3) Chlorodifluoromethane	2.99	51	1943161	9.460 ppbv	100
4) Chloromethane	3.14	50	972660	9.802 ppbv	98
5) Vinyl Chloride	3.26	62	966225	10.457 ppbv	96
6) Bromomethane	3.47	94	561664	10.227 ppbv	96
7) Chloroethane	3.56	64	341662	10.413 ppbv	93
8) Dichlorotetrafluoroethane	3.19	85	2215695	9.875 ppbv	100
9) Propene	3.01	41	897694	11.722 ppbv	99
10) Heptane	8.12	43	2282030	10.111 ppbv	100
11) Trichlorofluoromethane	3.95	101	2367898	9.802 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1520016	10.157 ppbv	98
13) Ethanol	3.61	45	133652	9.292 ppbv	86
14) Bromoethene	3.74	108	654826	10.455 ppbv	97
15) Acetone	3.85	43	1843872	9.125 ppbv	100
16) 1,3-Butadiene	3.33	39	939489	9.723 ppbv	99
17) tert-Butyl alcohol	4.29	59	1849073	11.788 ppbv	100
18) 1,1-Dichloroethene	4.29	96	643826	9.467 ppbv	97
19) Isopropyl Alcohol	3.97	45	1247782	11.146 ppbv	# 99
20) Methylene Chloride	4.34	84	565855	8.680 ppbv	94
21) Allyl Chloride	4.41	41	1100754	9.784 ppbv	98
22) trans-1,2-Dichloroethene	4.89	96	633610	10.257 ppbv	97
23) Vinyl Acetate	5.08	43	2490772	10.483 ppbv	98
24) 1,1-Dichloroethane	5.01	63	1798705	10.236 ppbv	99
25) Ethyl Acetate	5.68	43	3818452	9.788 ppbv	99
26) Hexane	5.69	57	1544730	9.638 ppbv	99
27) Carbon Disulfide	4.55	76	1662674	11.287 ppbv	97
28) Methyl tert-Butyl Ether	5.03	73	2173548	10.381 ppbv	100
29) Chloroform	5.75	83	2495846	9.665 ppbv	98
30) Cyclohexane	7.13	84	1327505	9.959 ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1610960	10.158 ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2450409	10.150 ppbv	99
34) 2-Butanone	5.25	43	2471182	9.603 ppbv	100
35) Carbon Tetrachloride	7.02	117	2486547	9.579 ppbv	97
36) Benzene	6.89	78	3243709	9.859 ppbv	98
37) 1,2-Dichloroethane	6.31	62	1950181	9.587 ppbv	99
38) Trichloroethene	7.84	130	1121788	9.518 ppbv	94
39) 1,2-Dichloropropane	7.62	63	1334965	9.989 ppbv	99
40) 1,4-Dioxane	7.83	88	470462	10.160 ppbv	# 1
41) Tetrahydrofuran	6.05	42	1464110	10.196 ppbv	99
42) Bromodichloromethane	7.79	83	2750791	10.097 ppbv	98
43) Methyl Methacrylate	8.01	69	1475738	10.636 ppbv	98

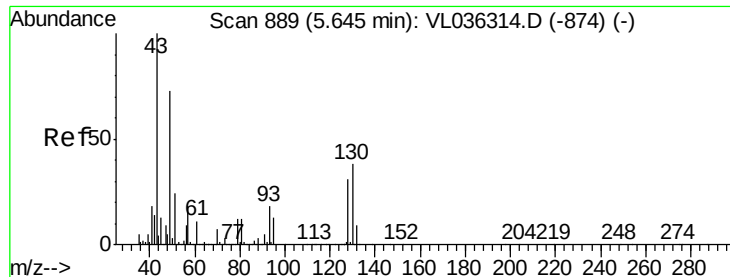
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036346.D
 Acq On : 24 Feb 2021 11:54
 Operator : SY/AP
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5580243	9.328	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1576104	11.775	ppbv	94
46) cis-1,3-Dichloropropene	8.71	75	1881549	11.066	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1302720	9.525	ppbv	97
48) Dibromochloromethane	10.31	129	2144803	10.509	ppbv	100
49) Bromoform	13.05	173	1762015	10.679	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	3795574	9.936	ppbv	99
51) 2-Hexanone	10.14	43	3081246	10.615	ppbv #	99
52) Tetrachloroethene	11.23	164	1080126	8.968	ppbv	98
53) Toluene	9.81	91	3652029	10.248	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1947582	9.853	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.13	131	1605015	9.809	ppbv #	61
57) Chlorobenzene	12.15	112	2627297	9.559	ppbv	97
58) Ethyl Benzene	12.72	91	4953655	10.169	ppbv	98
59) m/p-Xylene	13.00	91	4473736	10.455	ppbv #	40
60) o-Xylene	13.70	91	3943520	9.639	ppbv	99
61) Styrene	13.53	104	2836982	11.189	ppbv	99
62) Isopropylbenzene	14.67	105	5828062	9.504	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2790191	8.644	ppbv	98
64) n-propylbenzene	15.57	120	1533204	10.159	ppbv	99
65) tert-Butylbenzene	16.75	119	4947144	9.429	ppbv	99
66) Benzyl Chloride	17.00	91	1762471	12.356	ppbv	98
67) sec-Butylbenzene	17.30	105	7122824	9.413	ppbv	99
69) p-Isopropyltoluene	17.66	119	5832573	9.974	ppbv	100
70) n-Butylbenzene	18.56	91	6158615	9.821	ppbv	99
71) 2-Chlorotoluene	15.46	91	4563927	9.709	ppbv	98
72) 4-Ethyltoluene	15.85	105	4617315	10.141	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4272542	9.681	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4342973	9.639	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2382556	9.742	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2340944	9.218	ppbv	97
77) 1,2-Dichlorobenzene	17.82	146	2327294	9.593	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1667125	8.411	ppbv	99
79) Naphthalene	22.20	128	3208869	12.014	ppbv	98
80) Naphthalene, 2-methyl-	24.98	142	1008075	20.384	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	896724	5.503	ppbv #	21

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.03 min

Lab File: VL036346.D

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ClientSampleId :

VL0224ABS01

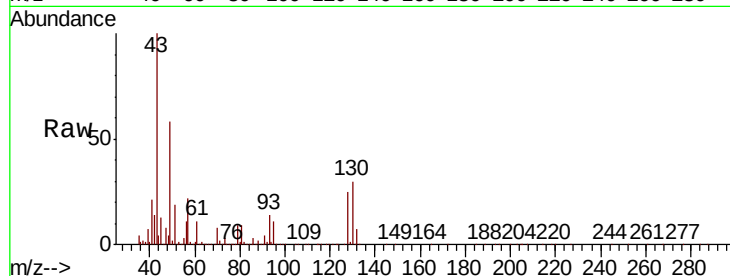
Tot Ion: 49 Resp: 1653093

Ion Ratio Lower Upper

49 100

128 44.0 20.8 62.5

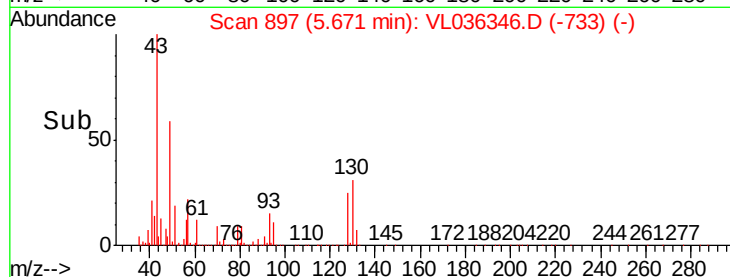
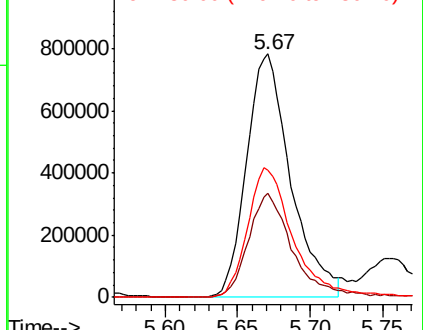
130 56.2 26.7 80.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.646 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.02 min

Lab File: VL036346.D

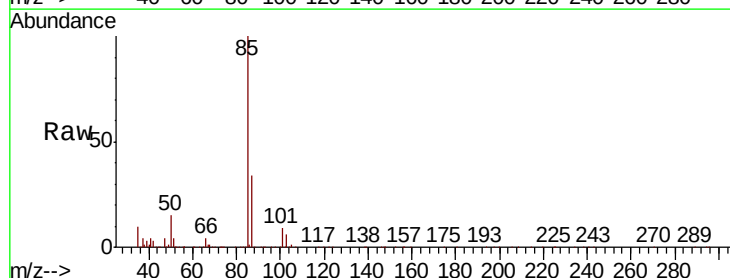
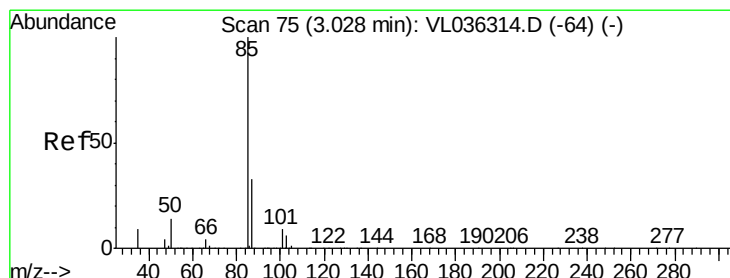
Acq: 24 Feb 2021 11:54

Tgt Ion: 85 Resp: 2133165

Ion Ratio Lower Upper

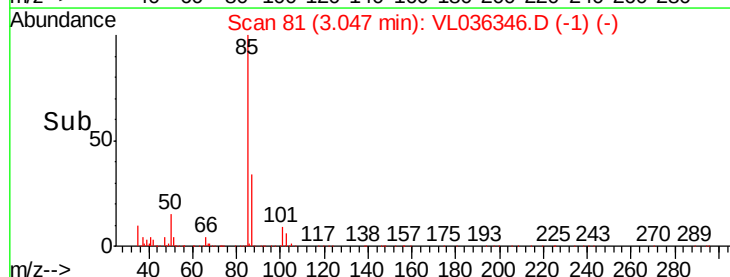
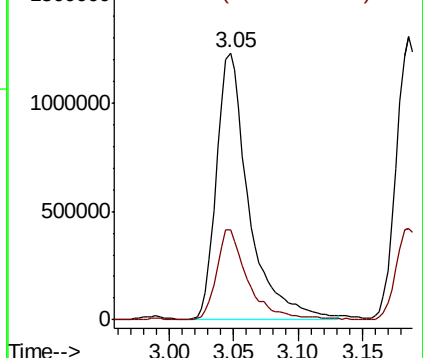
85 100

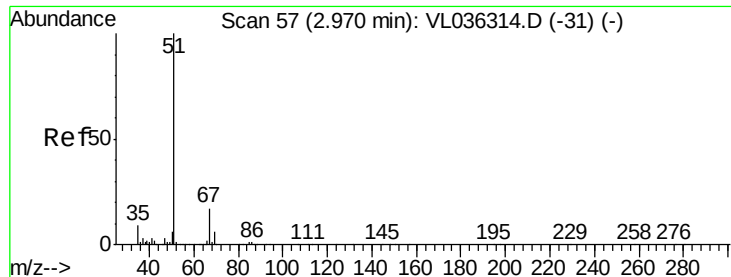
87 33.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.460 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

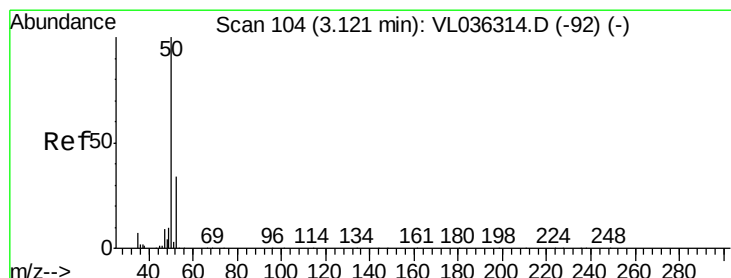
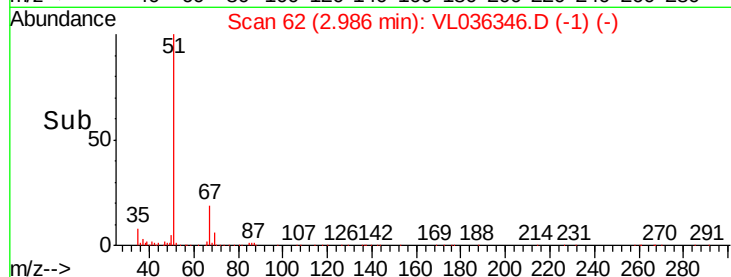
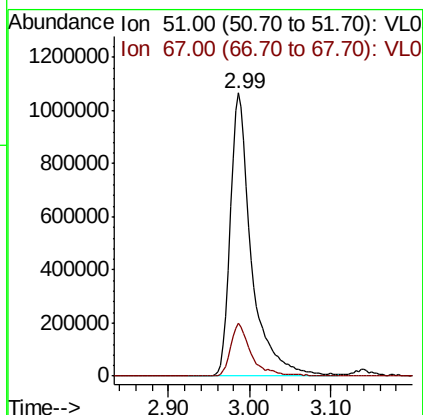
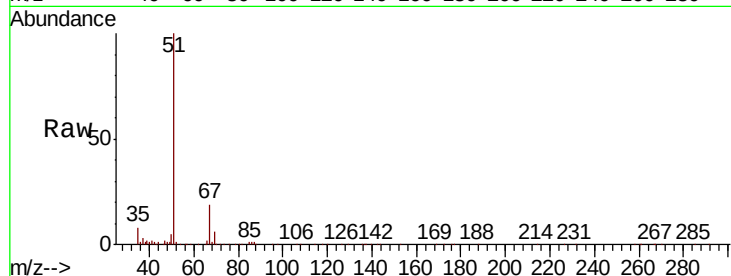
VL0224ABS01

Tot Ion: 51 Resp: 1943161

Ion Ratio Lower Upper

51 100

67 18.3 14.7 22.1



#4

Chloromethane

Concen: 9.802 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.02 min

Lab File: VL036346.D

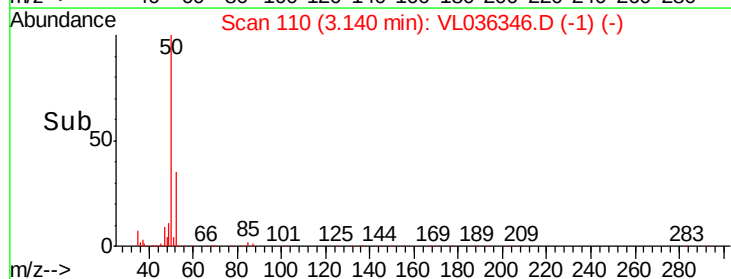
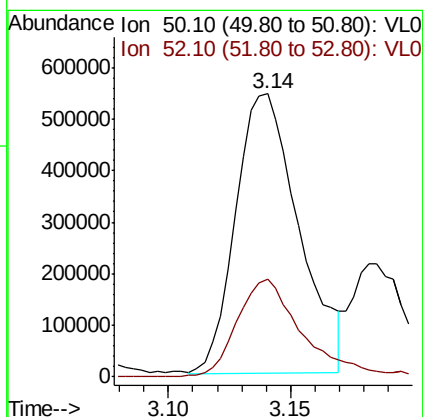
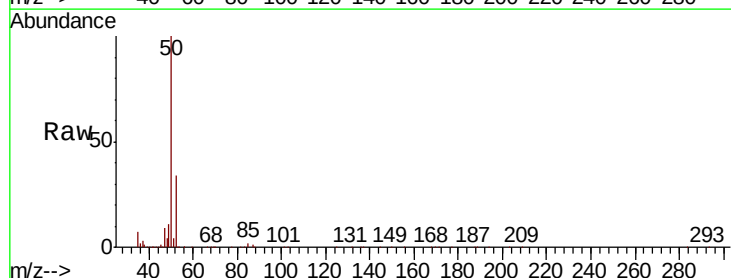
Acq: 24 Feb 2021 11:54

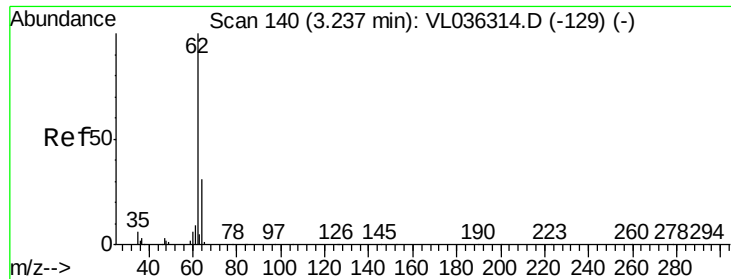
Tgt Ion: 50 Resp: 972660

Ion Ratio Lower Upper

50 100

52 34.6 27.0 40.4





#5

Vinyl Chloride

Concen: 10.457 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

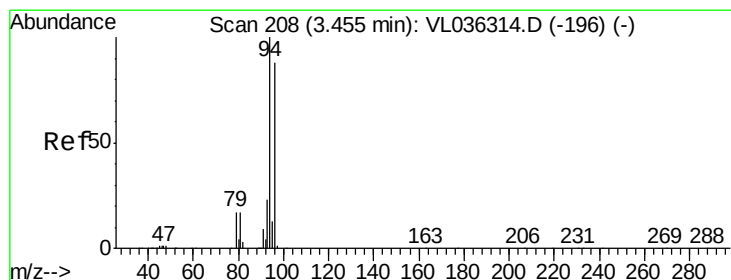
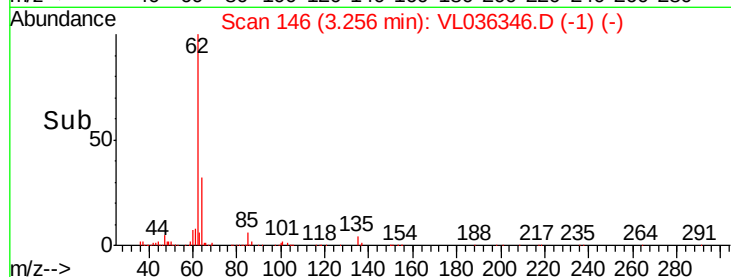
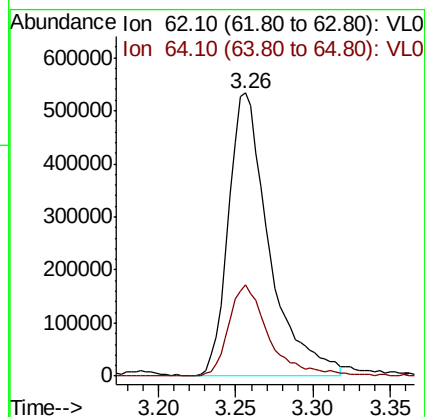
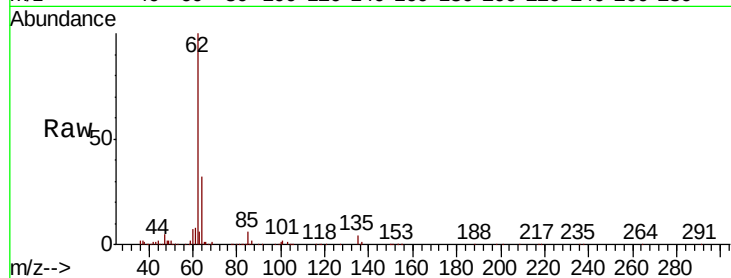
VL0224ABS01

Tot Ion: 62 Resp: 966225

Ion Ratio Lower Upper

62 100

64 32.5 24.4 36.6



#6

Bromomethane

Concen: 10.227 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.02 min

Lab File: VL036346.D

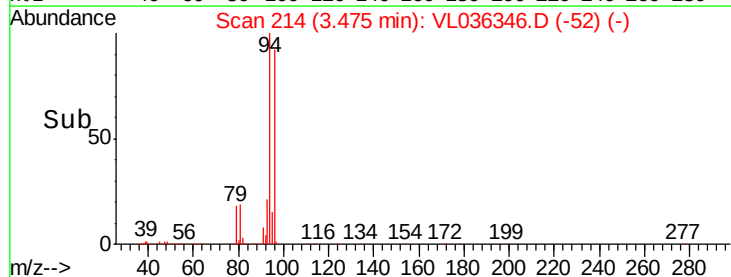
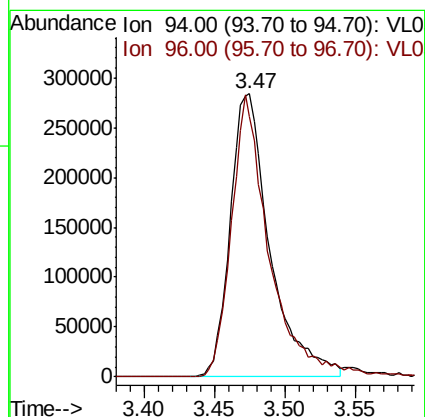
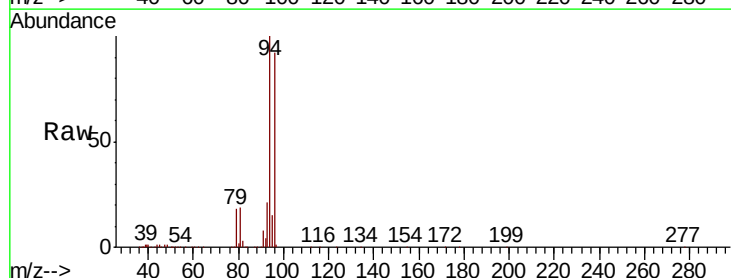
Acq: 24 Feb 2021 11:54

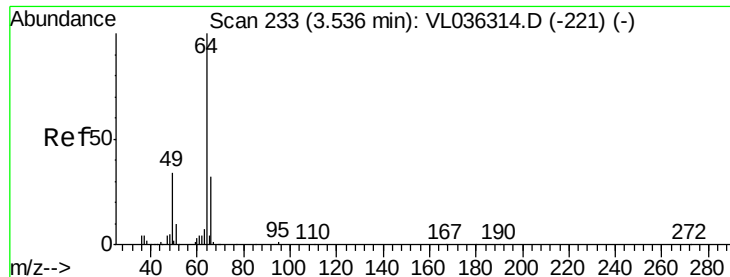
Tgt Ion: 94 Resp: 561664

Ion Ratio Lower Upper

94 100

96 92.1 70.8 106.2





#7

Chloroethane

Concen: 10.413 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

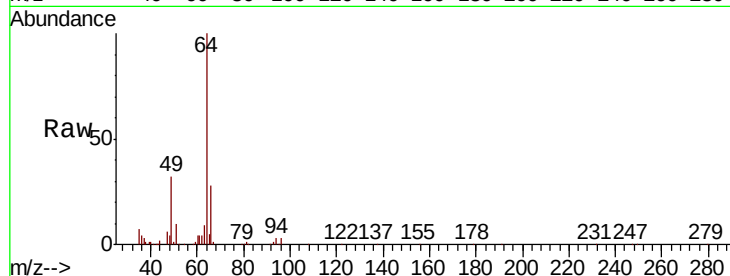
VL0224ABS01

Tot Ion: 64 Resp: 341662

Ion Ratio Lower Upper

64 100

66 27.9 25.6 38.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

150000

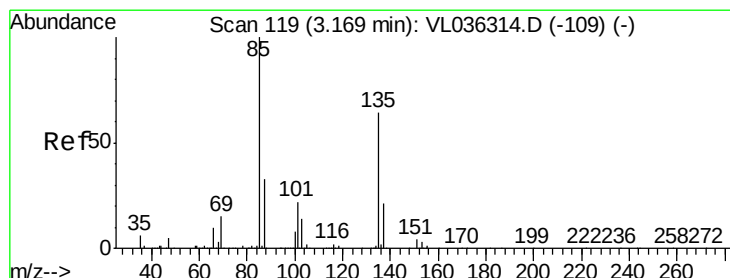
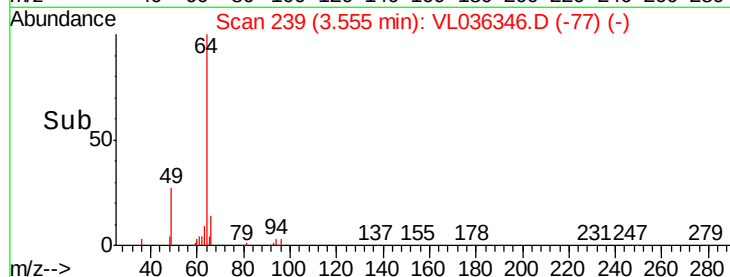
100000

50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.875 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.02 min

Lab File: VL036346.D

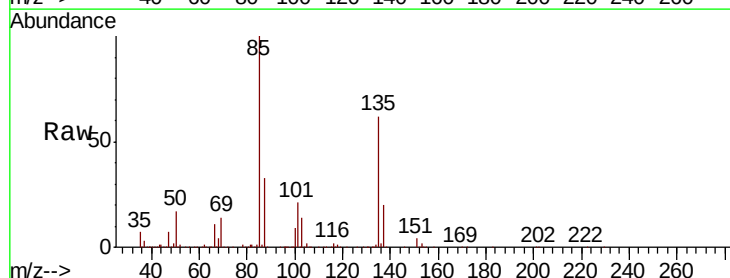
Acq: 24 Feb 2021 11:54

Tgt Ion: 85 Resp: 2215695

Ion Ratio Lower Upper

85 100

135 64.0 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.19

1500000

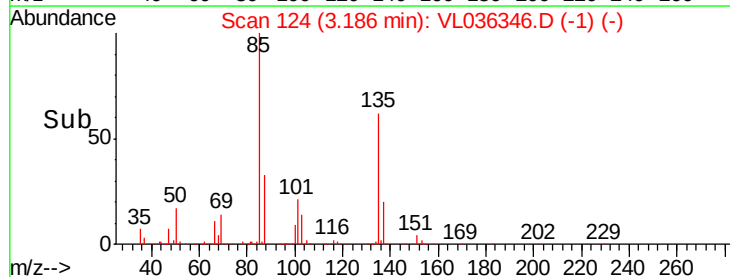
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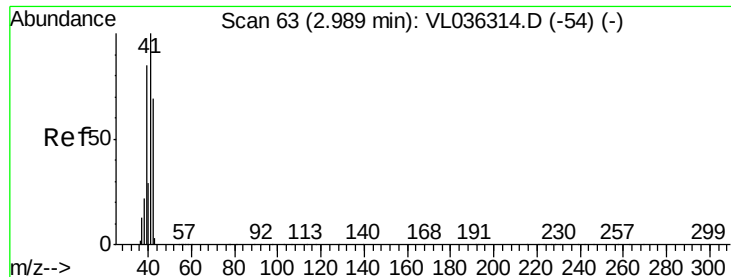
500000

0

3.10 3.15 3.20 3.25 3.30

Time-->





#9

Propene

Concen: 11.722 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

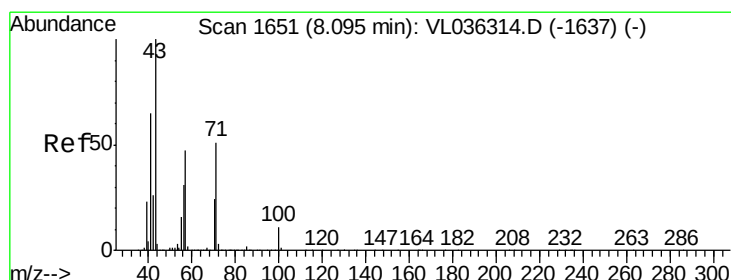
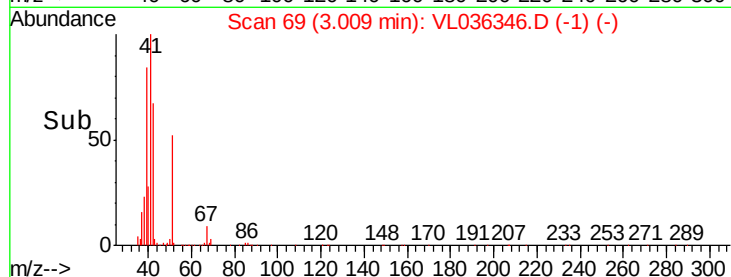
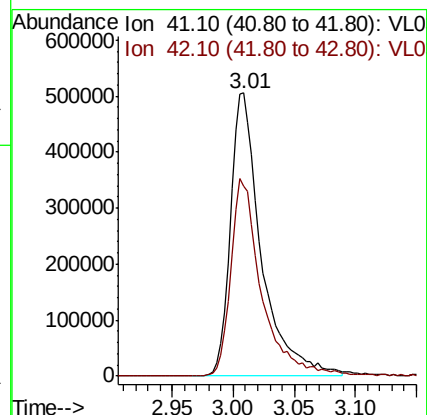
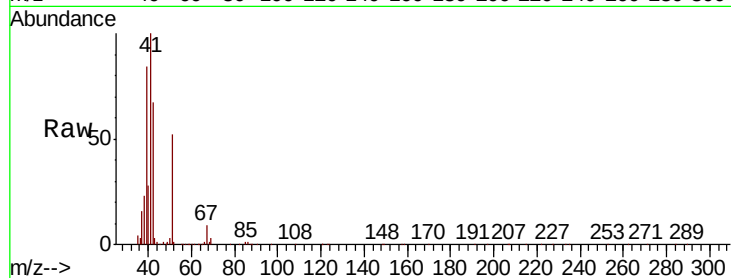
VL0224ABS01

Tot Ion: 41 Resp: 897694

Ion Ratio Lower Upper

41 100

42 69.7 56.2 84.2



#10

Heptane

Concen: 10.111 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.03 min

Lab File: VL036346.D

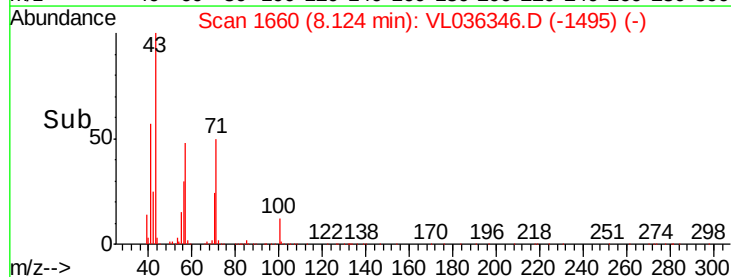
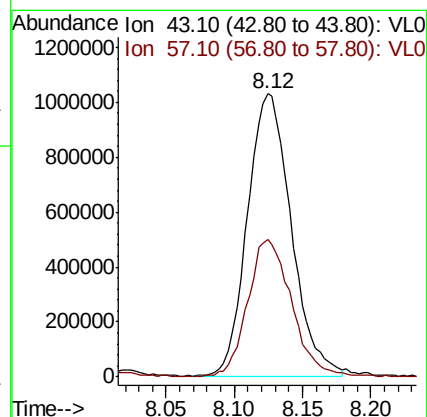
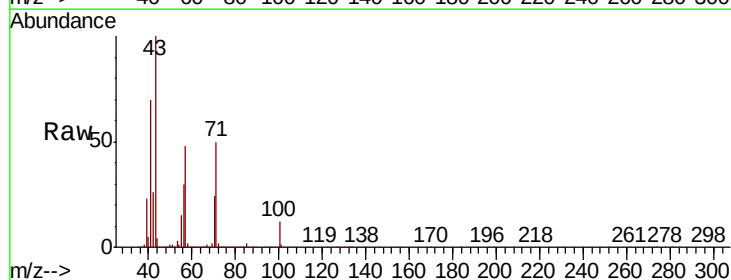
Acq: 24 Feb 2021 11:54

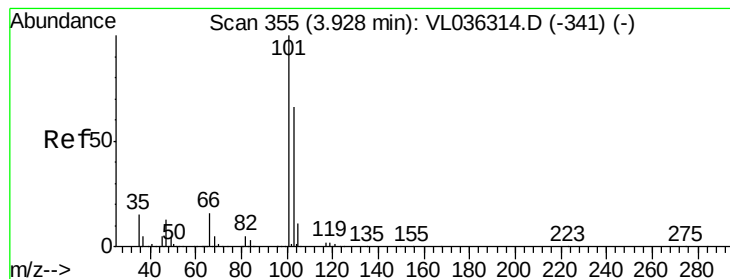
Tgt Ion: 43 Resp: 2282030

Ion Ratio Lower Upper

43 100

57 49.4 39.4 59.2





#11

Trichlorofluoromethane

Concen: 9.802 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

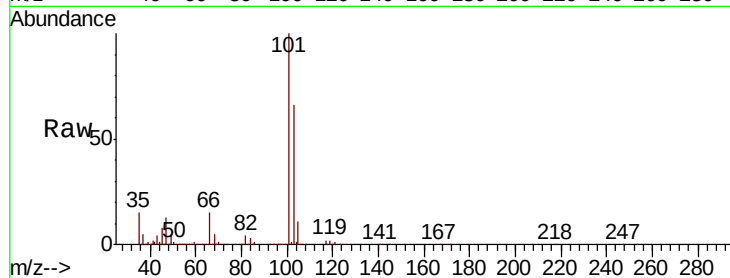
VL0224ABS01

Tot Ion:101 Resp: 2367898

Ion Ratio Lower Upper

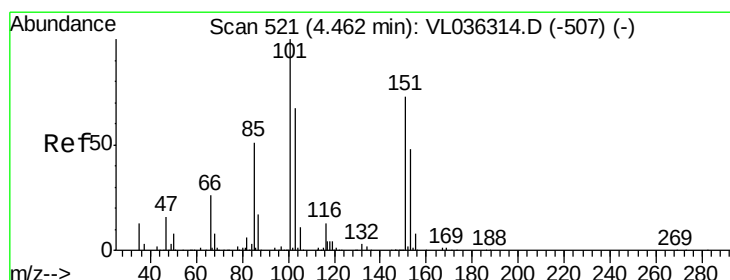
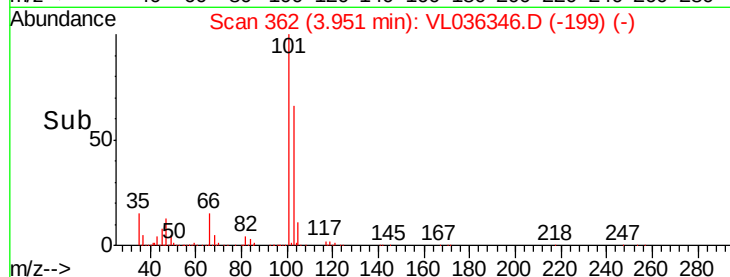
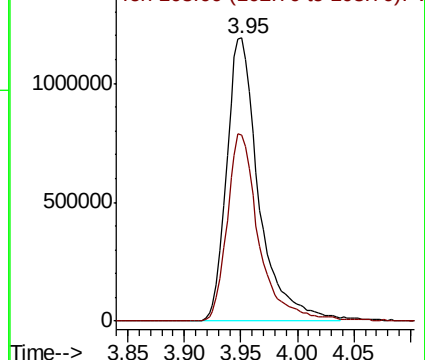
101 100

103 65.8 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.157 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.02 min

Lab File: VL036346.D

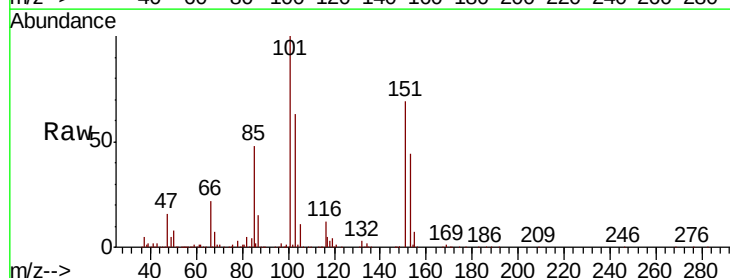
Acq: 24 Feb 2021 11:54

Tgt Ion:101 Resp: 1520016

Ion Ratio Lower Upper

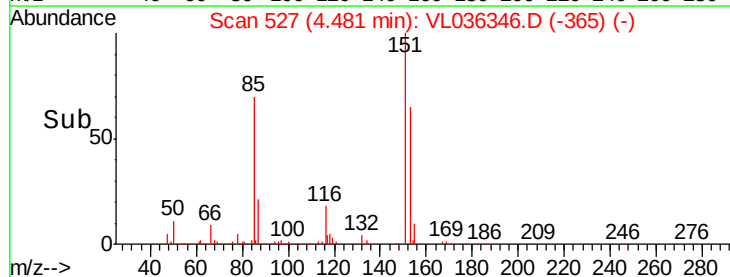
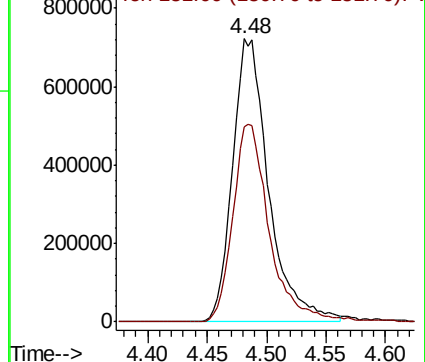
101 100

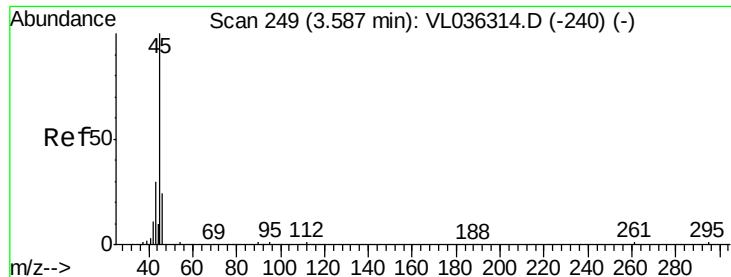
151 71.0 58.2 87.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.292 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

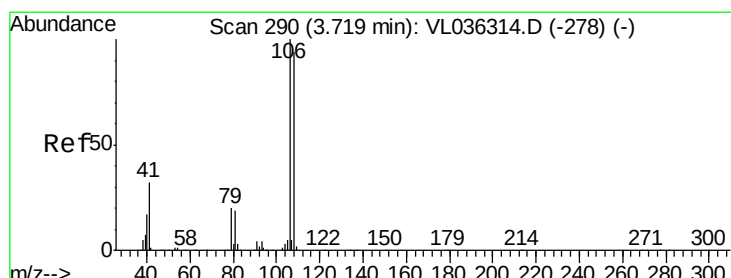
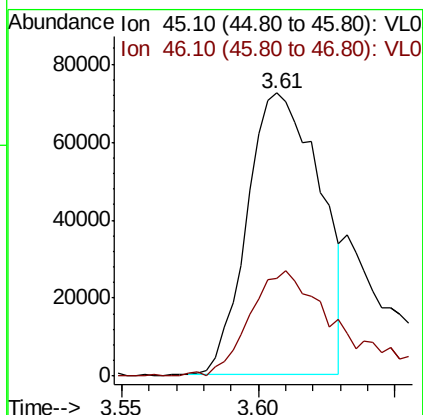
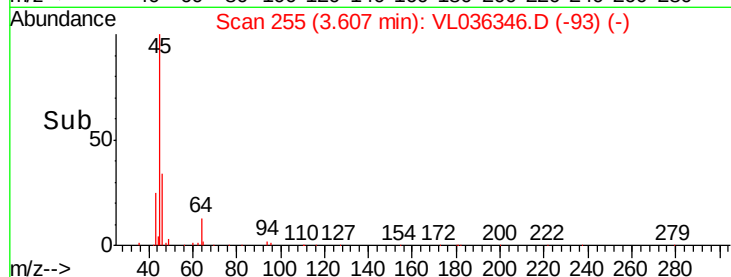
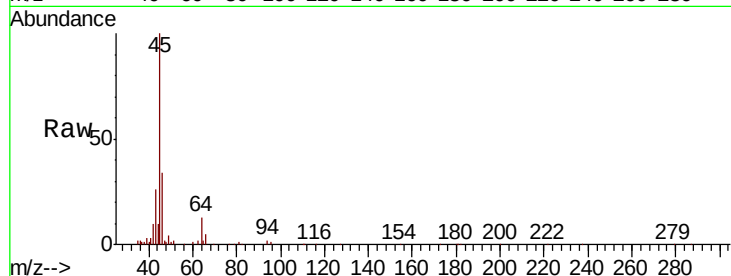
VL0224ABS01

Tot Ion: 45 Resp: 133652

Ion Ratio Lower Upper

45 100

46 53.0 17.7 70.7



#14

Bromoethene

Concen: 10.455 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

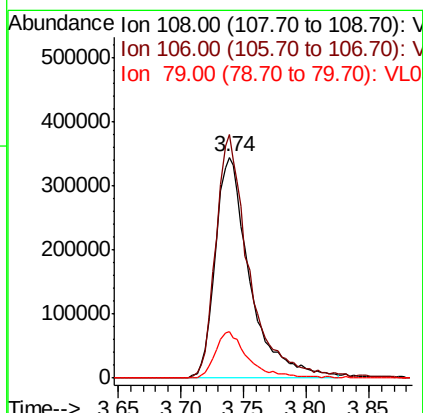
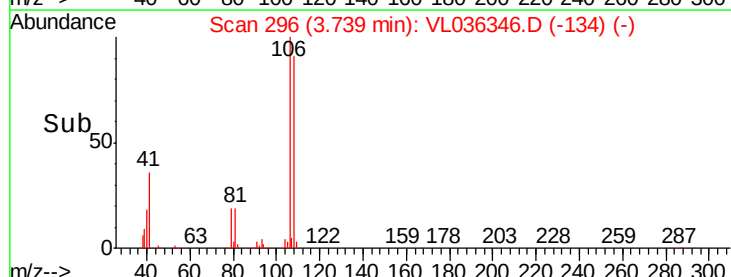
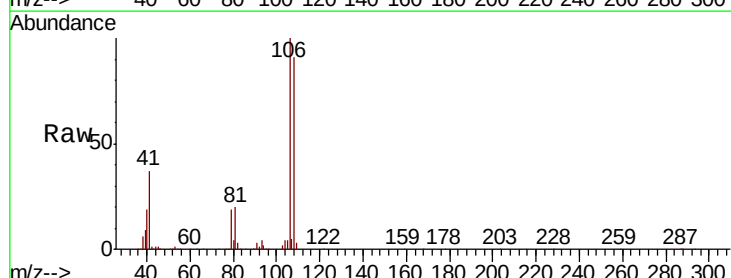
Tgt Ion: 108 Resp: 654826

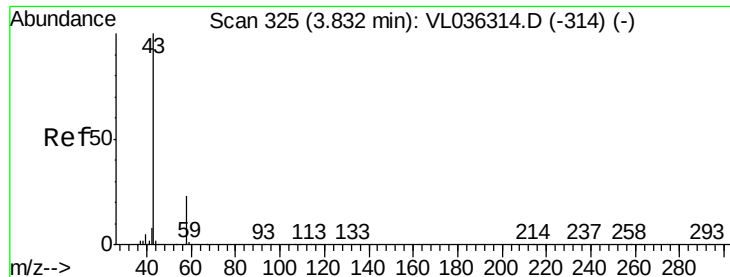
Ion Ratio Lower Upper

108 100

106 108.4 89.8 134.8

79 20.3 17.1 25.7





#15

Acetone

Concen: 9.125 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

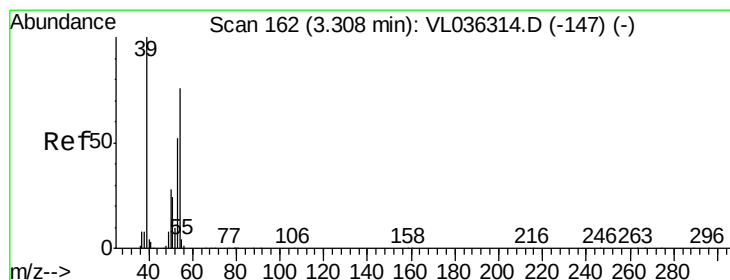
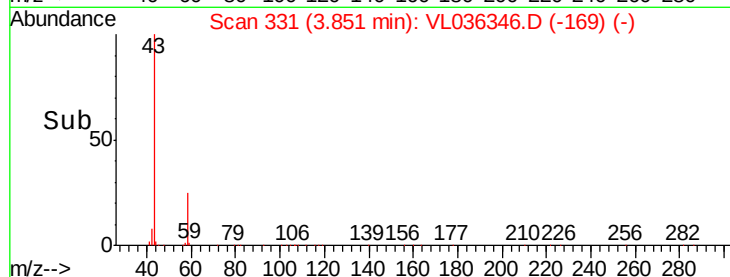
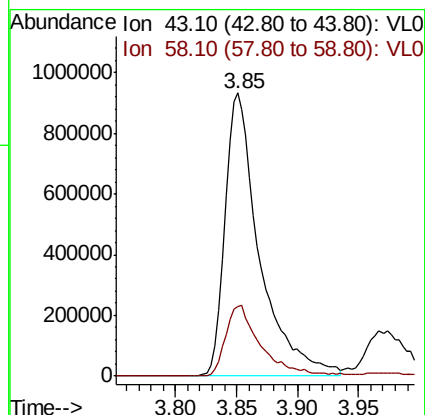
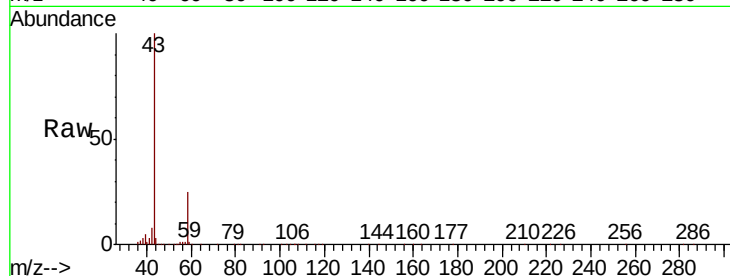
VL0224ABS01

Tot Ion: 43 Resp: 1843872

Ion Ratio Lower Upper

43 100

58 25.6 20.3 30.5



#16

1,3-Butadiene

Concen: 9.723 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.02 min

Lab File: VL036346.D

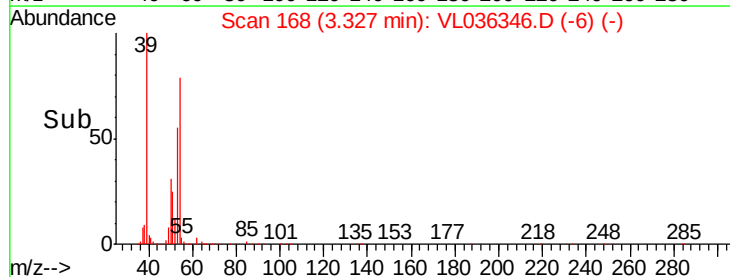
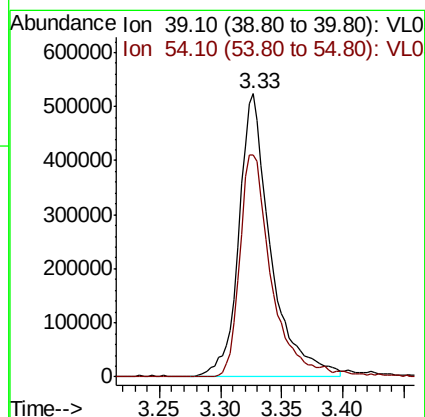
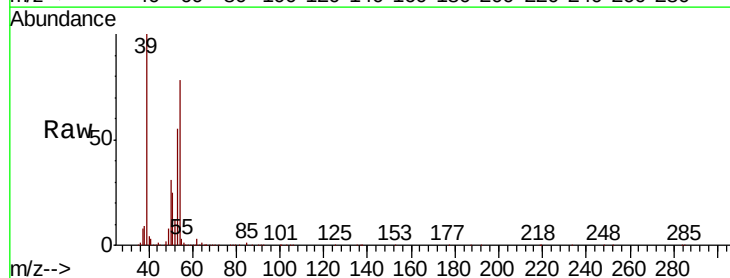
Acq: 24 Feb 2021 11:54

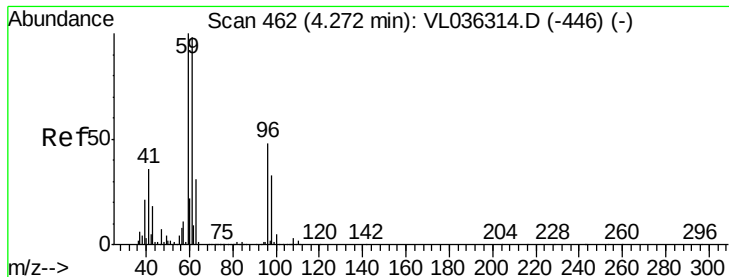
Tgt Ion: 39 Resp: 939489

Ion Ratio Lower Upper

39 100

54 79.7 64.4 96.6





#17

tert-Butyl alcohol
Concen: 11.788 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.02 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

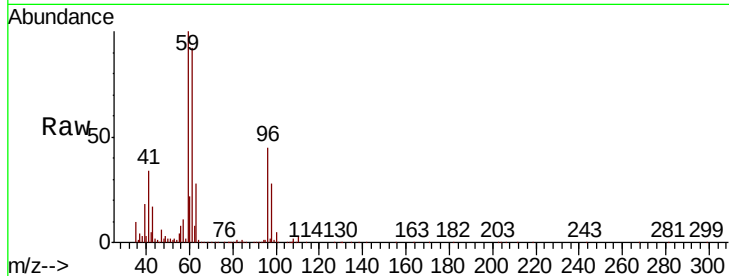
Instrument :
MSVOA_L
ClientSampleId :
VL0224ABS01

Tot Ion: 59 Resp: 1849073

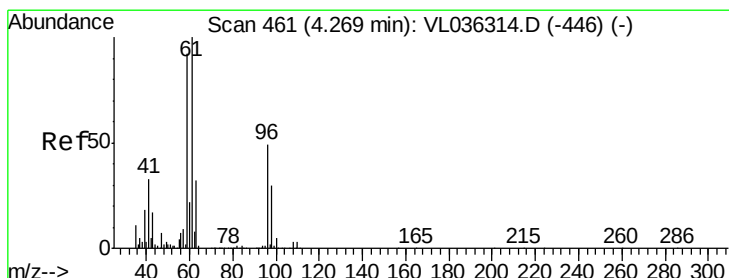
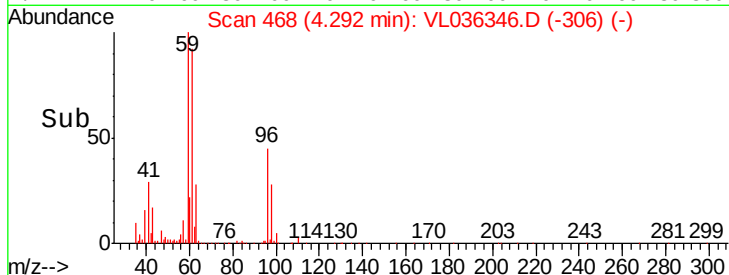
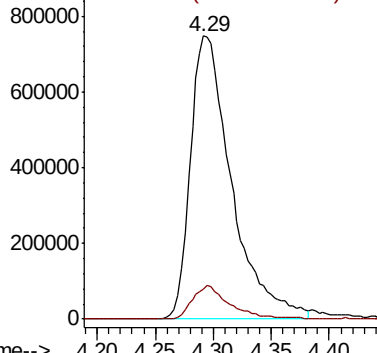
Ion Ratio Lower Upper

59 100

57 11.2 9.0 13.4



Abundance Ion 59.10 (58.80 to 59.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene
Concen: 9.467 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

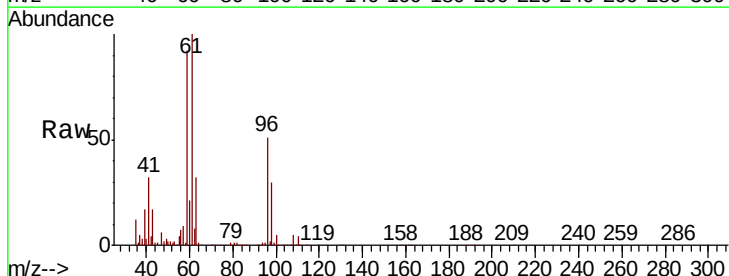
Tgt Ion: 96 Resp: 643826

Ion Ratio Lower Upper

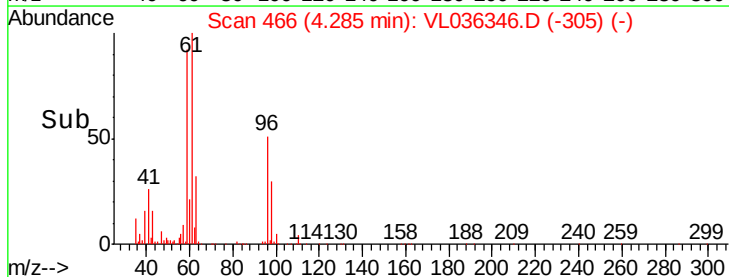
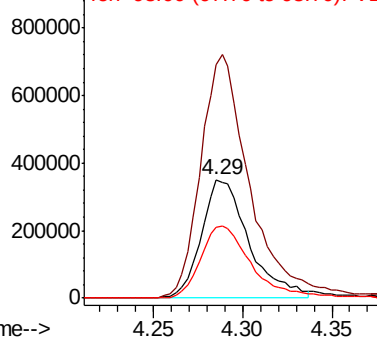
96 100

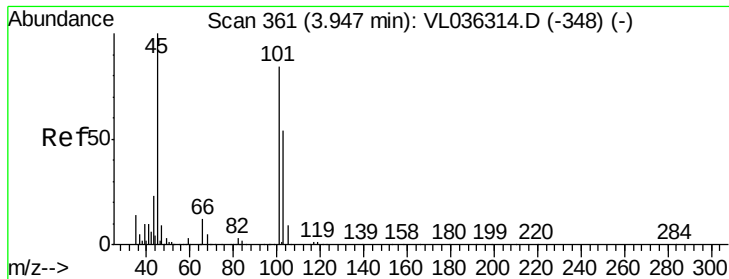
61 197.5 162.5 243.7

98 59.9 48.5 72.7



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

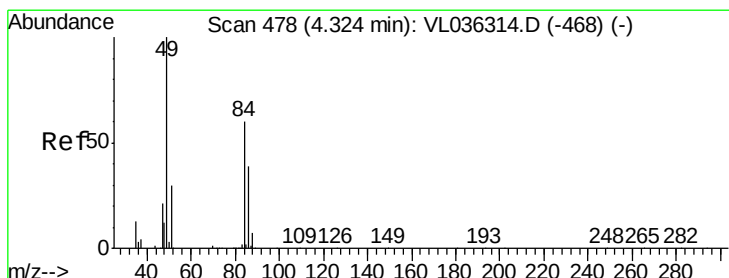
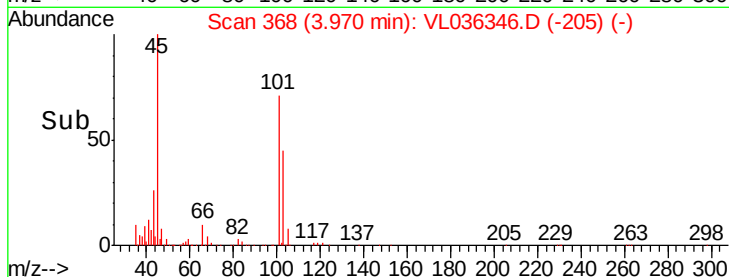
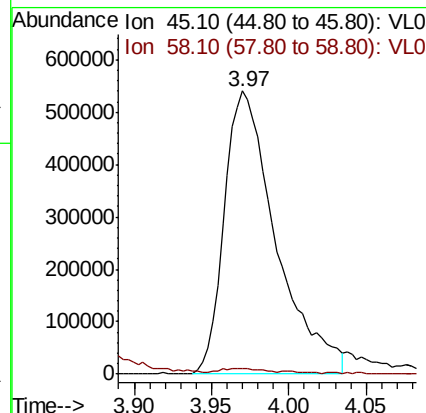
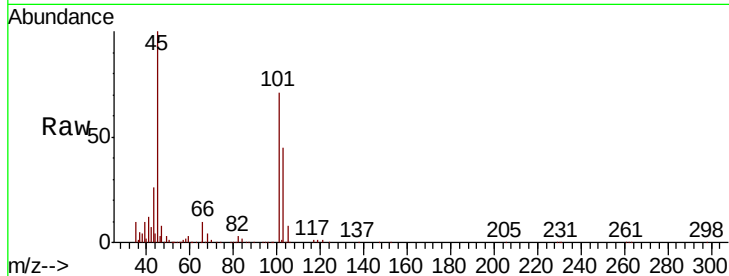




#19
Isopropyl Alcohol
Concen: 11.146 ppbv
RT: 3.97 min Scan# 368
Delta R.T. 0.02 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

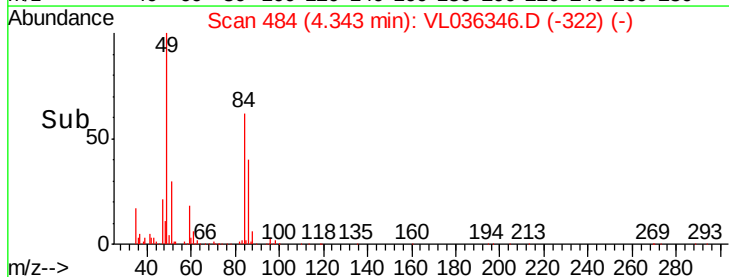
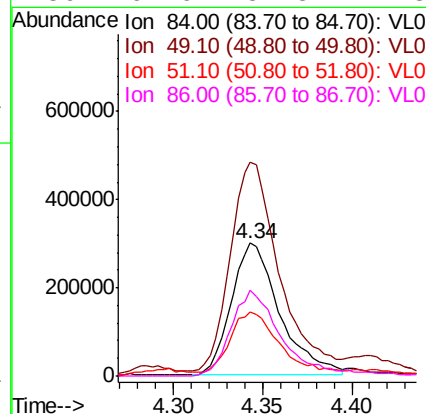
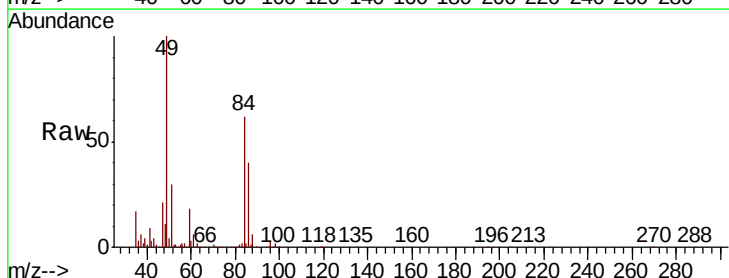
Instrument :
MSVOA_L
ClientSampleId :
VL0224ABS01

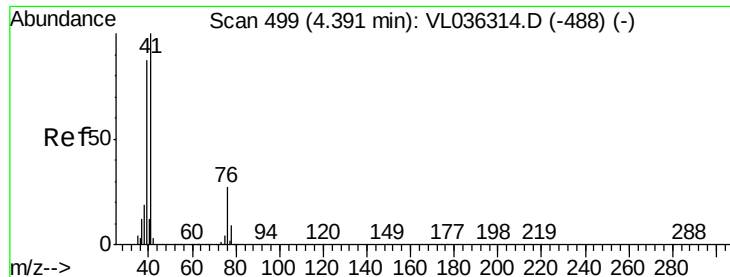
Tot Ion: 45 Resp: 1247782
Ion Ratio Lower Upper
45 100
58 2.9 1.9 2.9#



#20
Methylene Chloride
Concen: 8.680 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.02 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

Tgt Ion: 84 Resp: 565855
Ion Ratio Lower Upper
84 100
49 158.3 133.8 200.8
51 45.7 41.4 62.0
86 64.6 51.5 77.3

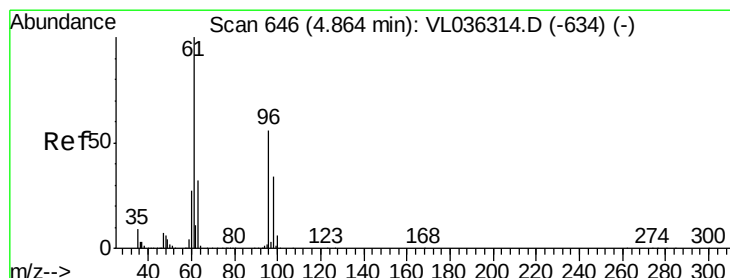
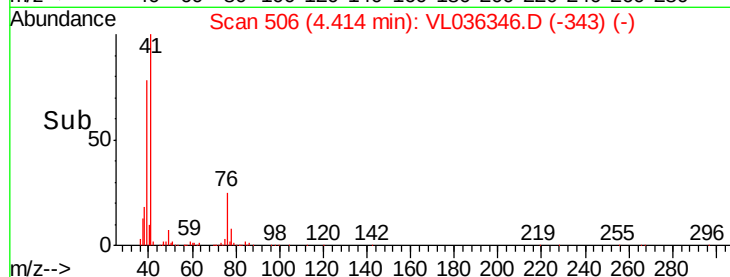
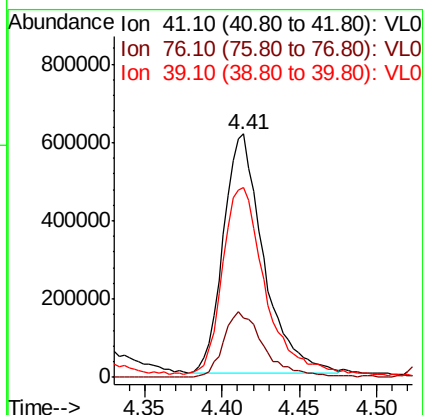
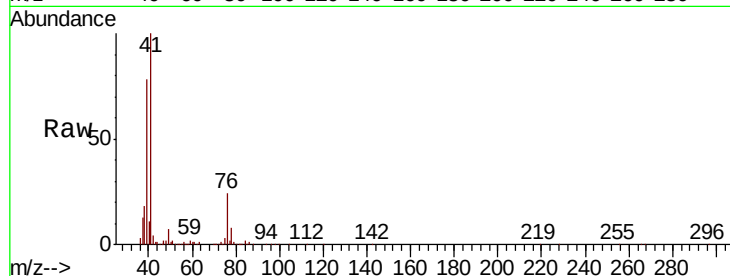




#21
 Allvl Chloride
 Concen: 9.784 ppbv
 RT: 4.41 min Scan# 506
 Delta R.T. 0.02 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

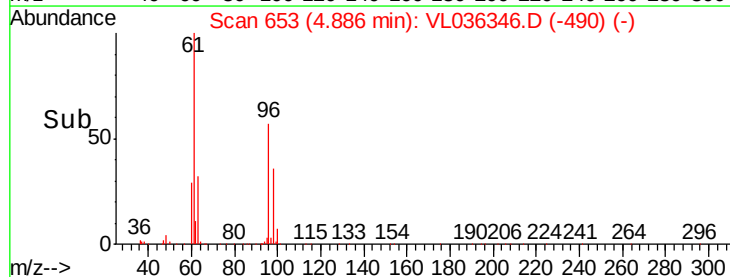
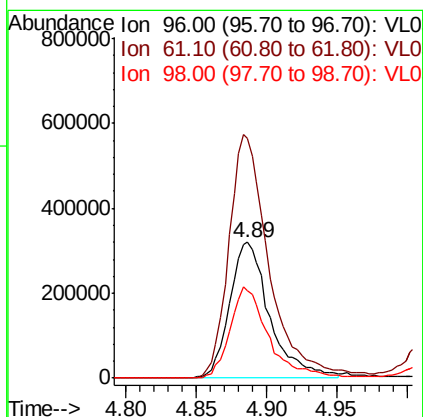
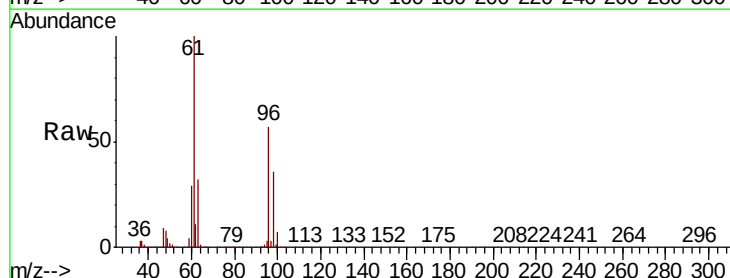
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABS01

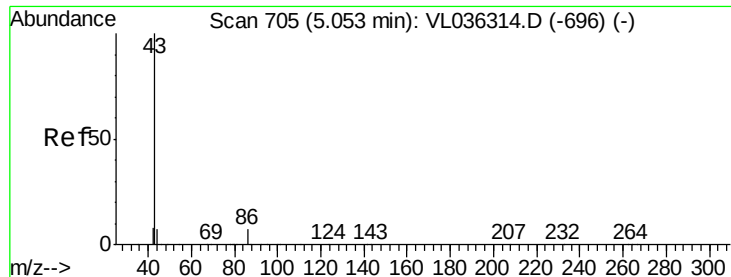
Tot Ion: 41 Resp: 1100754
 Ion Ratio Lower Upper
 41 100
 76 27.9 22.0 33.0
 39 85.1 70.2 105.2



#22
 trans-1,2-Dichloroethene
 Concen: 10.257 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. 0.02 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

Tgt Ion: 96 Resp: 633610
 Ion Ratio Lower Upper
 96 100
 61 176.8 143.7 215.5
 98 64.5 48.5 72.7





#23

Vinyl Acetate

Concen: 10.483 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

Tot Ion: 43 Resp: 2490772

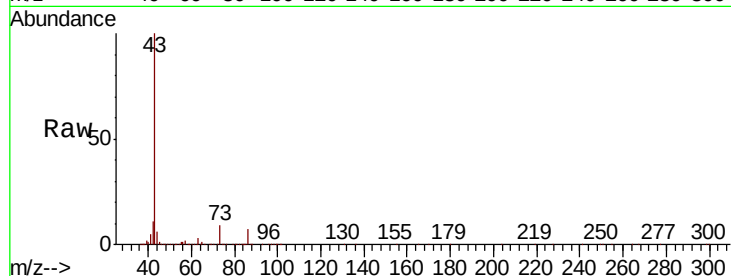
Ion Ratio Lower Upper

43 100

86 6.7 4.8 7.2

42 10.3 7.4 11.0

44 5.7 4.8 7.2

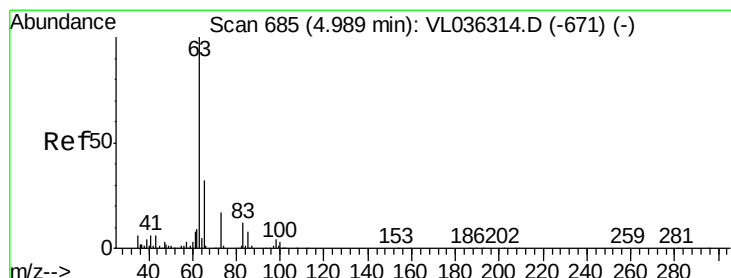
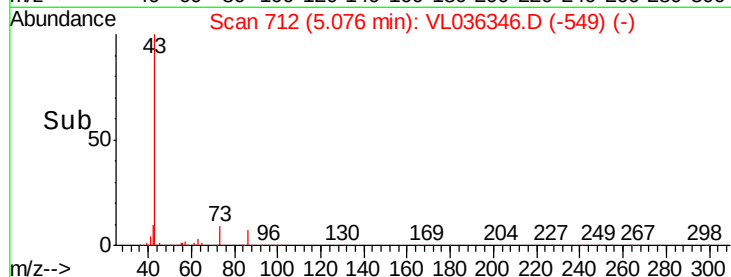
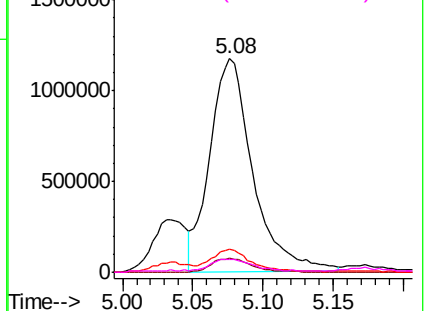


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.236 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

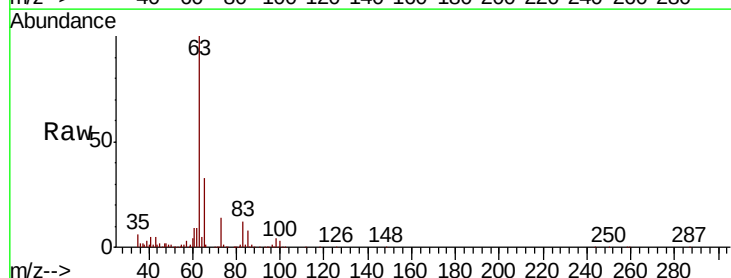
Tgt Ion: 63 Resp: 1798705

Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

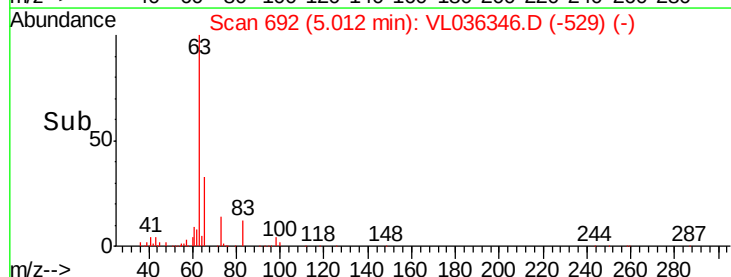
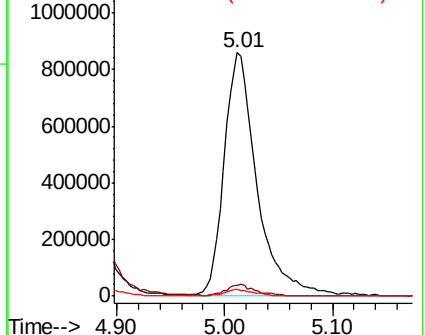
100 2.6 1.5 4.4

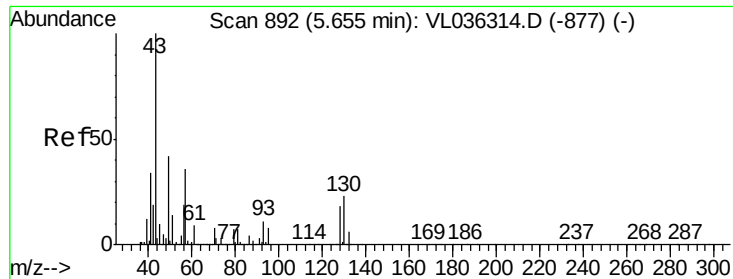


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



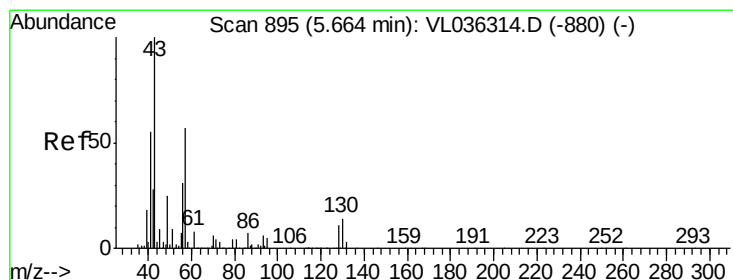
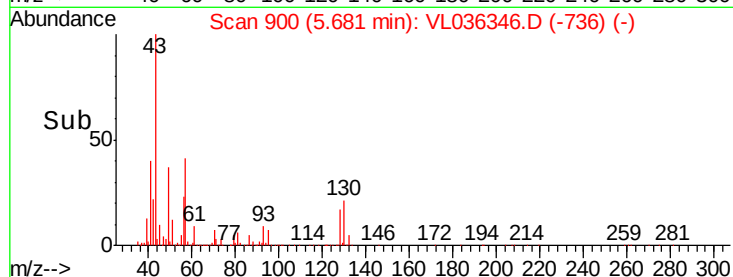
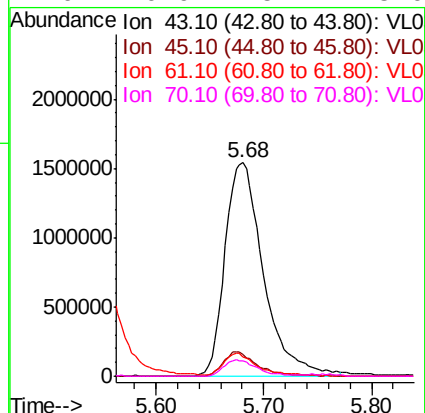
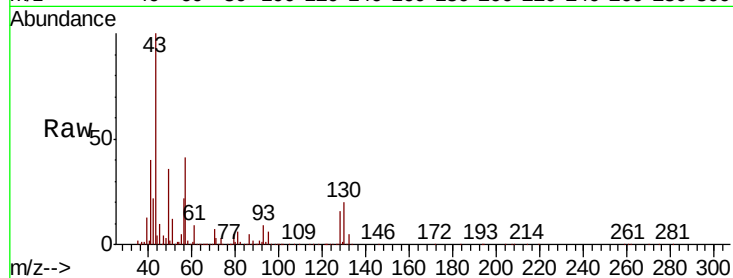


#25
Ethyl Acetate
Concen: 9.788 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.03 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

Instrument :
MSVOA_L
ClientSampleId :
VL0224ABS01

Tot Ion: 43 Resp: 3818452

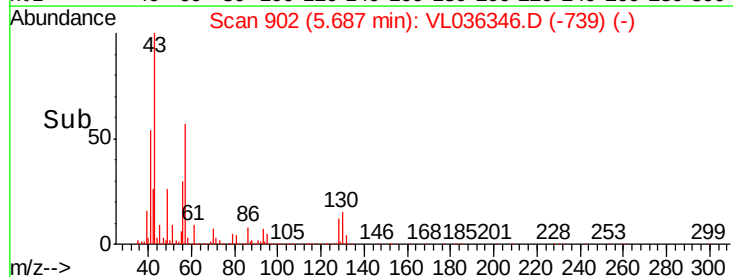
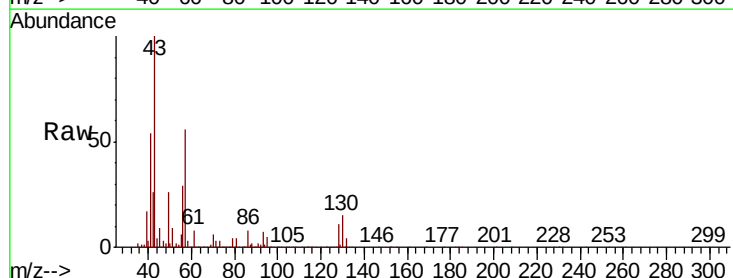
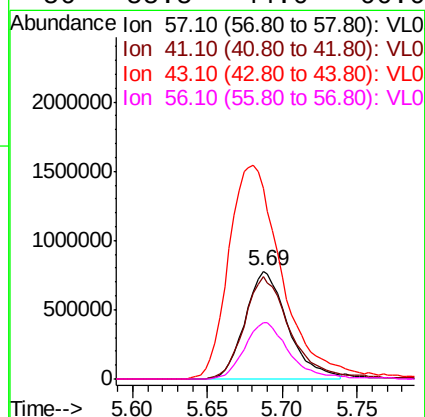
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.8	7.3	10.9
70	6.9	5.4	8.0

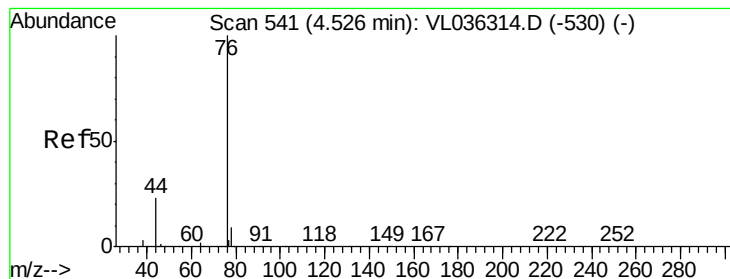


#26
Hexane
Concen: 9.638 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

Tgt Ion: 57 Resp: 1544730

Ion	Ratio	Lower	Upper
57	100		
41	103.1	81.7	122.5
43	250.9	199.1	298.7
56	55.5	44.0	66.0





#27

Carbon Disulfide

Concen: 11.287 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

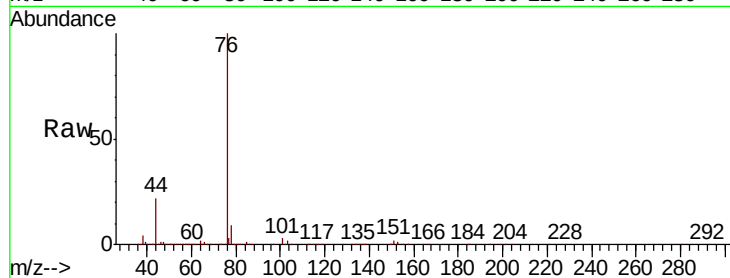
Tot Ion: 76 Resp: 1662674

Ion Ratio Lower Upper

76 100

44 21.6 18.4 27.6

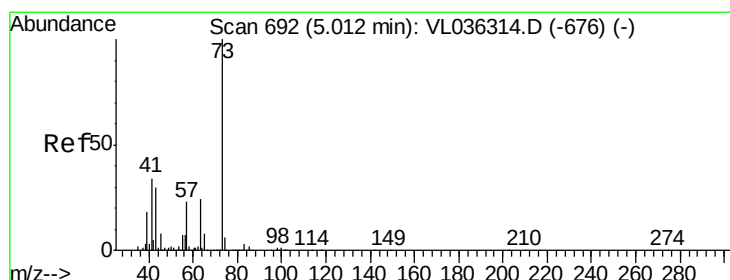
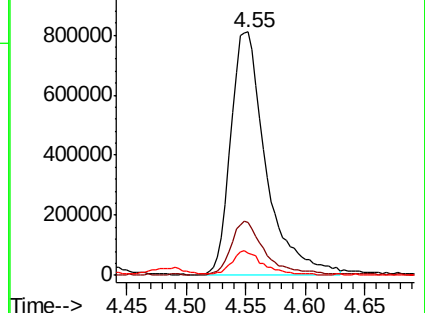
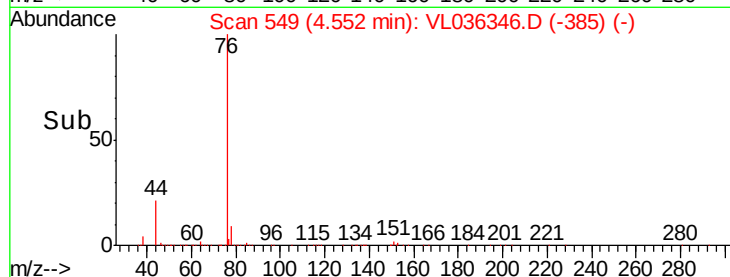
78 8.8 8.0 12.0



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: 10.381 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.02 min

Lab File: VL036346.D

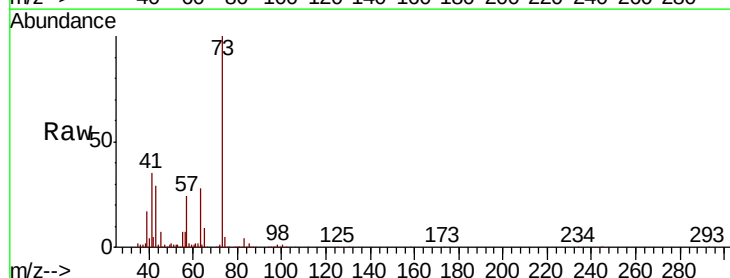
Acq: 24 Feb 2021 11:54

Tgt Ion: 73 Resp: 2173548

Ion Ratio Lower Upper

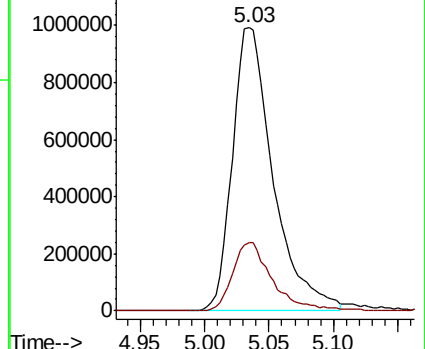
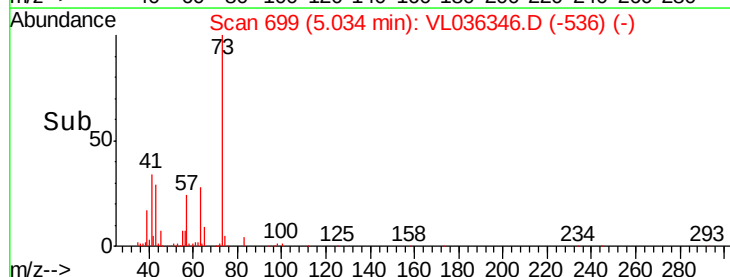
73 100

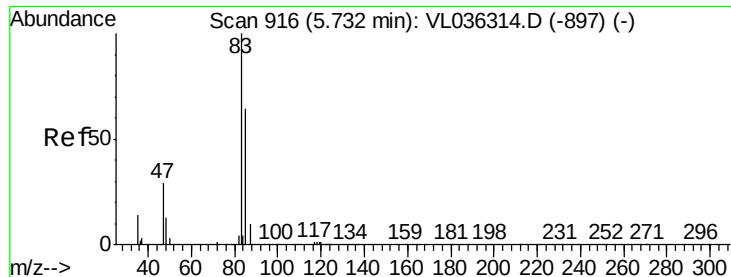
57 23.9 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

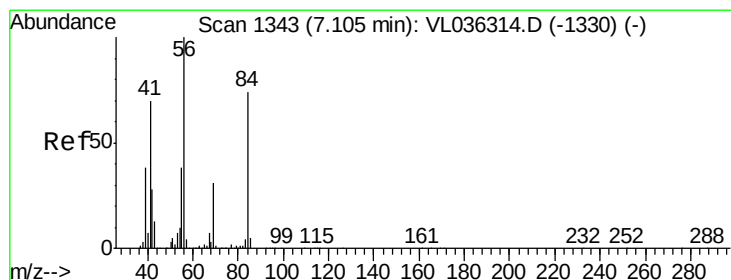
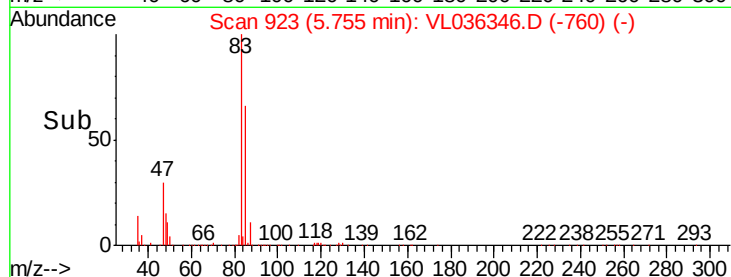
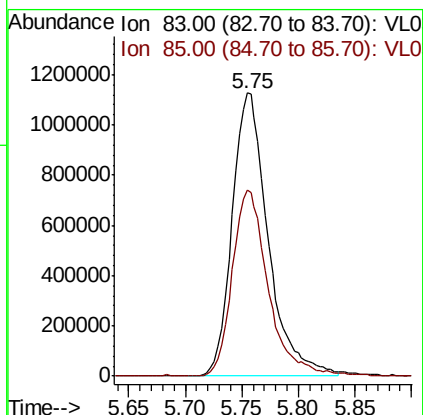
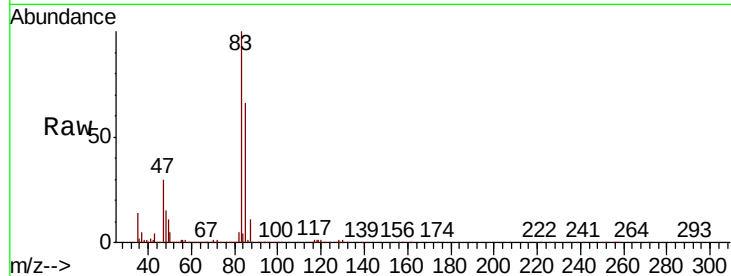




#29
Chloroform
Concen: 9.665 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.02 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

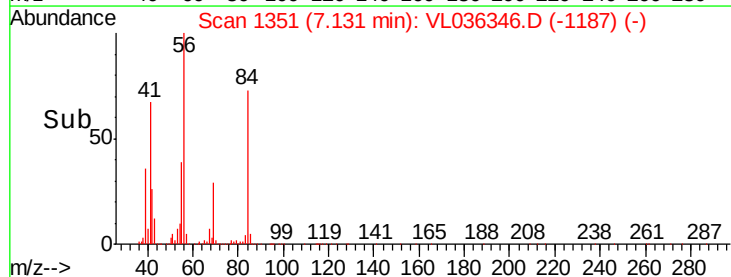
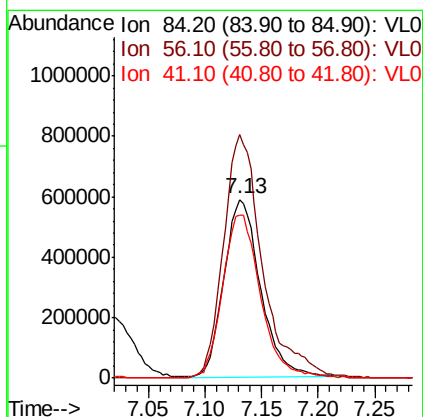
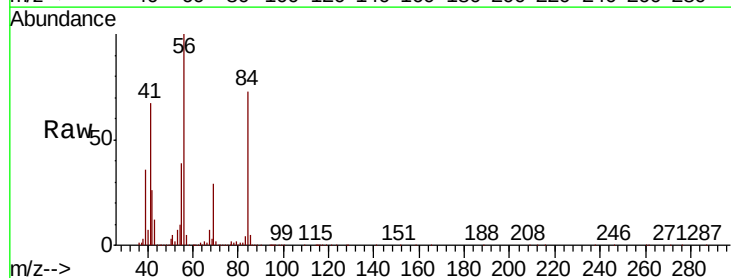
Instrument :
MSVOA_L
ClientSampleId :
VL0224ABS01

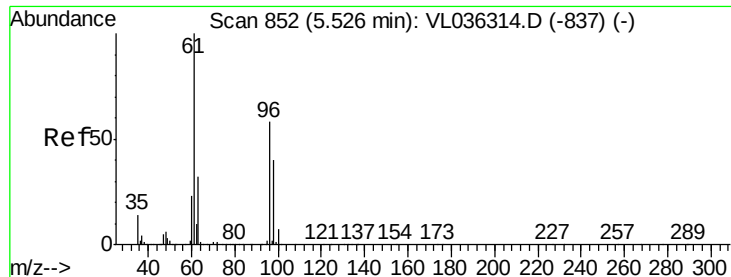
Tot Ion: 83 Resp: 2495846
Ion Ratio Lower Upper
83 100
85 65.8 51.4 77.2



#30
Cyclohexane
Concen: 9.959 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.03 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

Tgt Ion: 84 Resp: 1327505
Ion Ratio Lower Upper
84 100
56 147.3 120.2 180.4
41 95.2 79.7 119.5





#31

cis-1,2-Dichloroethene

Concen: 10.158 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

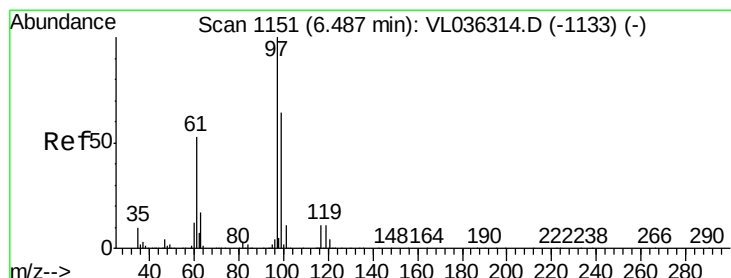
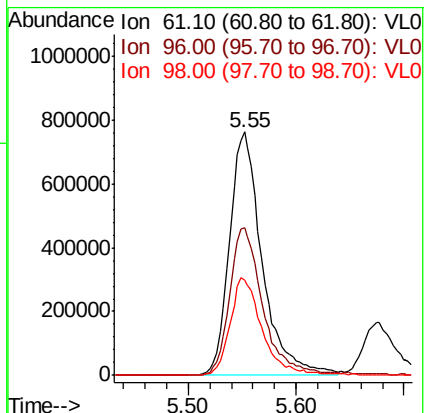
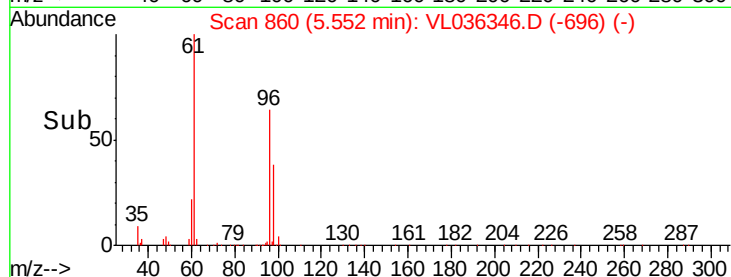
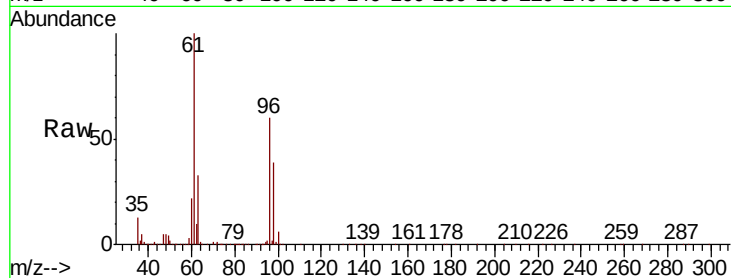
Tot Ion: 61 Resp: 1610960

Ion	Ratio	Lower	Upper
61	100		
96	60.5	46.0	69.0
98	38.8	31.9	47.9

61 100

96 60.5 46.0 69.0

98 38.8 31.9 47.9



#32

1,1,1-Trichloroethane

Concen: 10.150 ppbv

RT: 6.51 min Scan# 1159

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

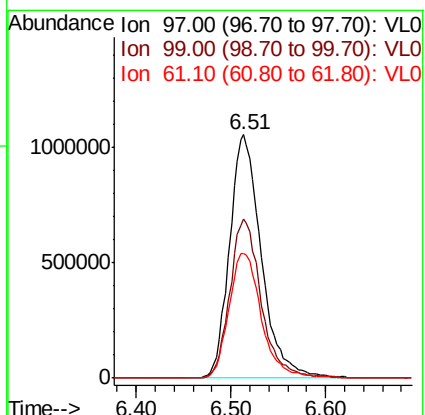
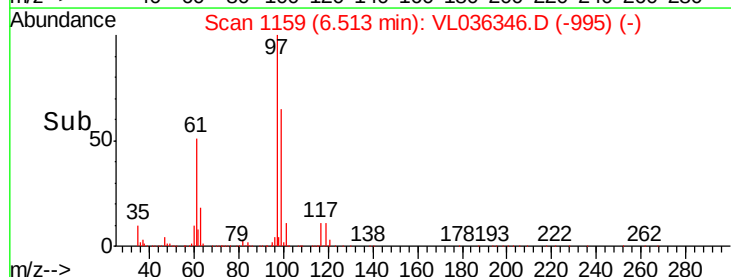
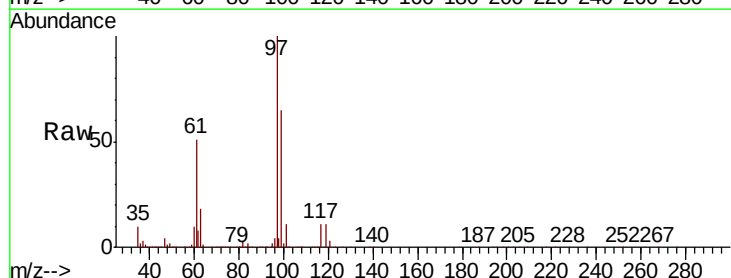
Tgt Ion: 97 Resp: 2450409

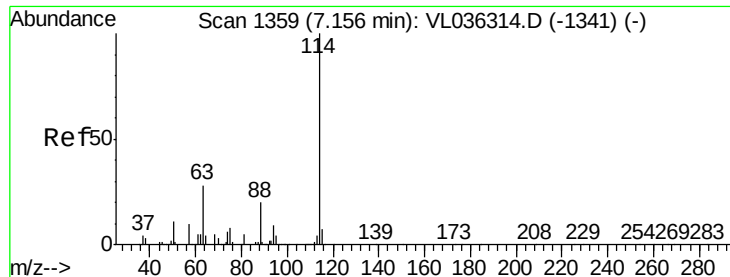
Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.2	78.4
61	52.7	43.3	64.9

97 100

99 64.9 52.2 78.4

61 52.7 43.3 64.9

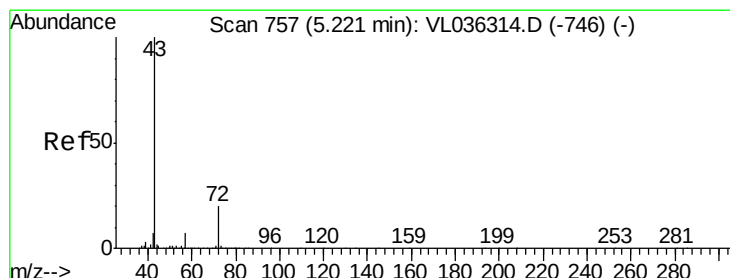
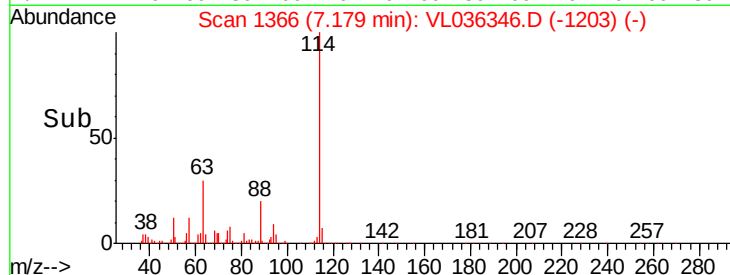
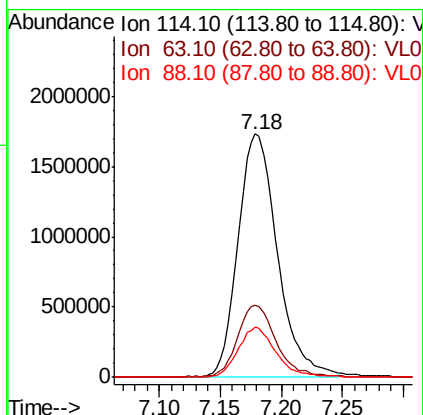
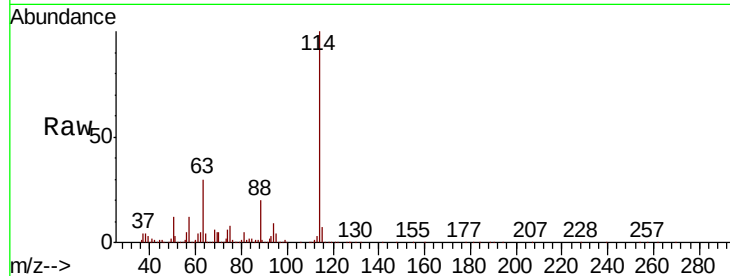




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

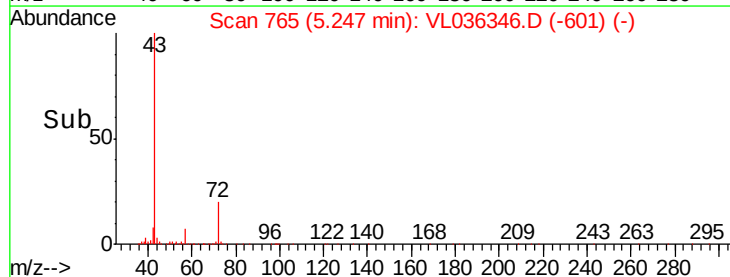
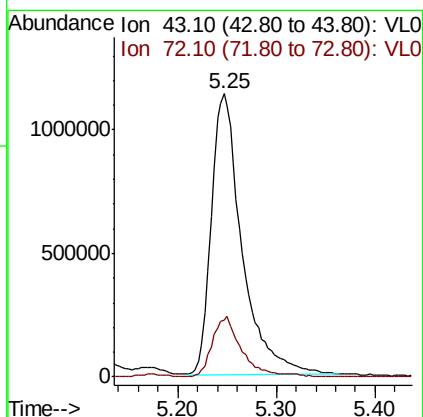
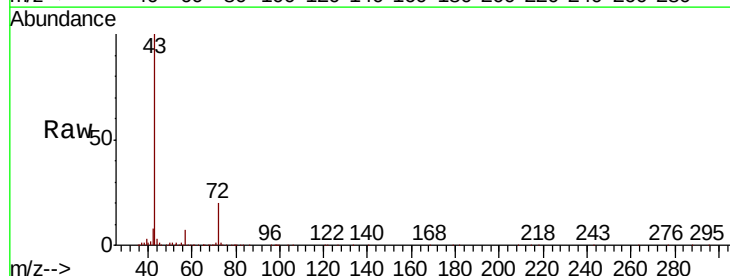
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABS01

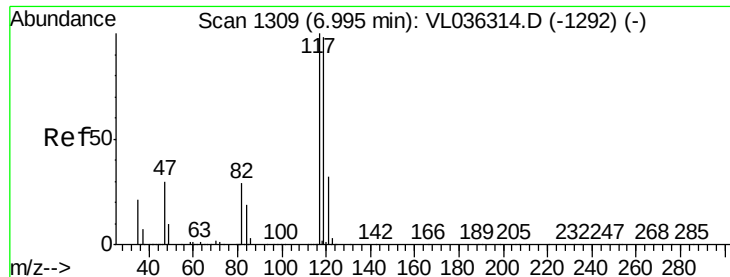
Tot Ion:114 Resp: 3873024
 Ion Ratio Lower Upper
 114 100
 63 29.6 24.1 36.1
 88 20.0 16.0 24.0



#34
 2-Butanone
 Concen: 9.603 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

Tgt Ion: 43 Resp: 2471182
 Ion Ratio Lower Upper
 43 100
 72 20.8 16.7 25.1





#35

Carbon Tetrachloride

Concen: 9.579 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

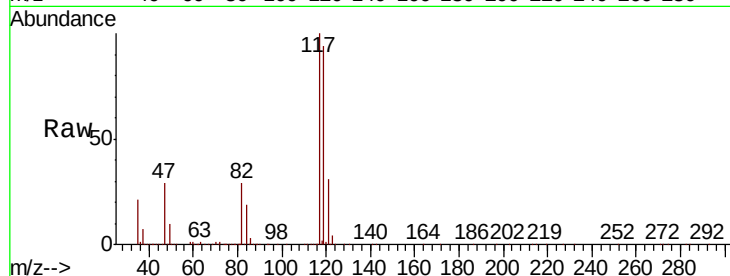
Tot Ion:117 Resp: 2486547

Ion Ratio Lower Upper

117 100

119 93.8 78.1 117.1

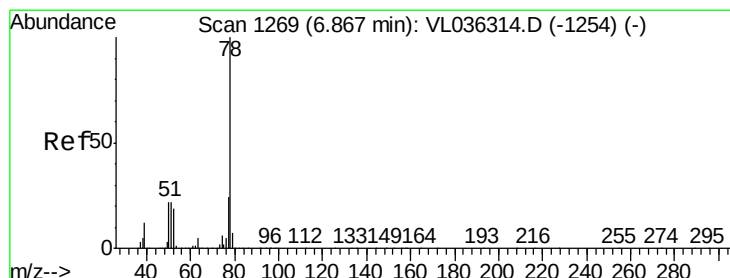
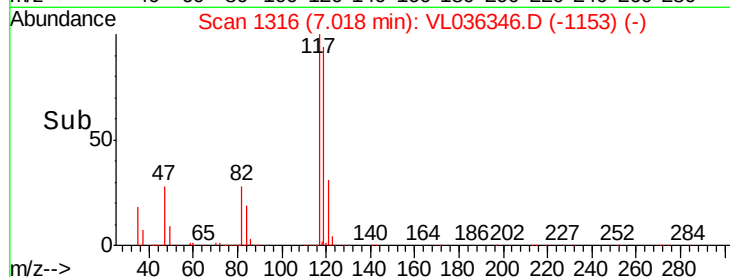
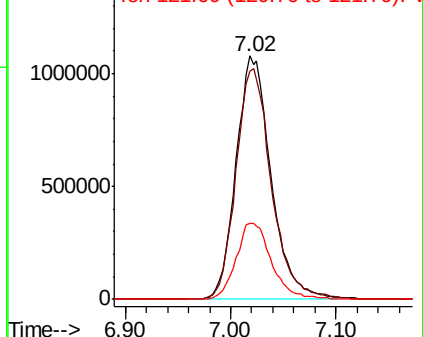
121 31.2 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.859 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

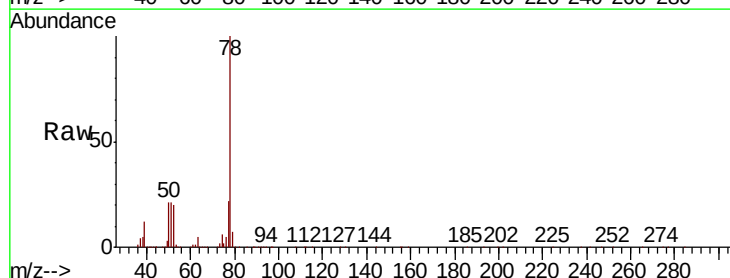
Tgt Ion: 78 Resp: 3243709

Ion Ratio Lower Upper

78 100

77 22.4 18.9 28.3

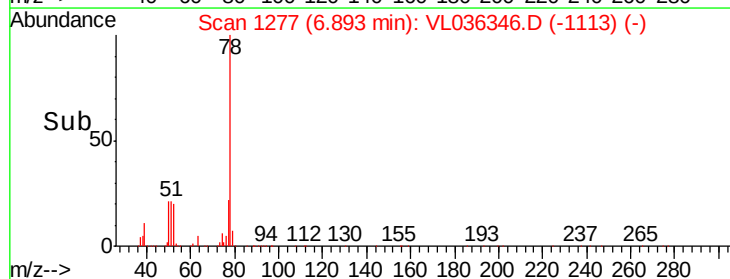
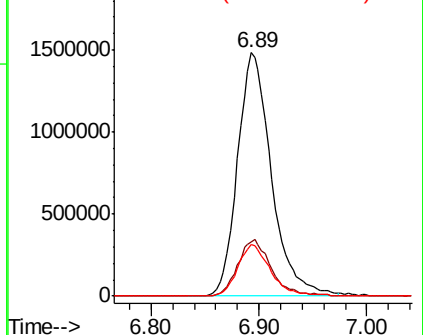
50 21.4 17.3 25.9

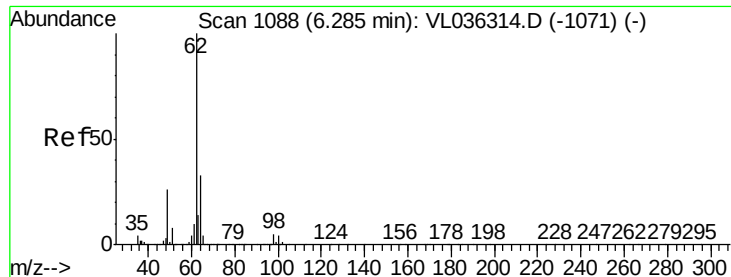


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

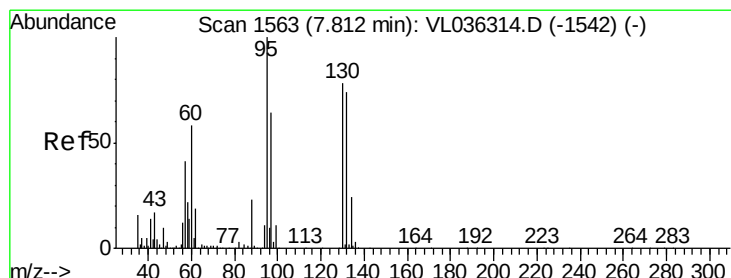
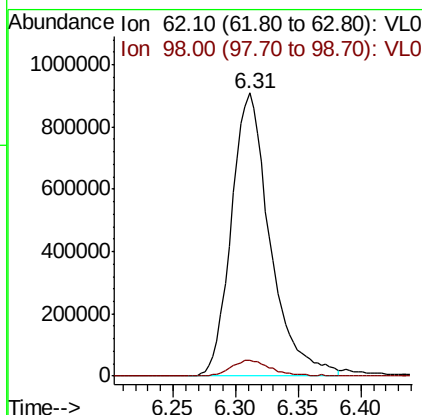
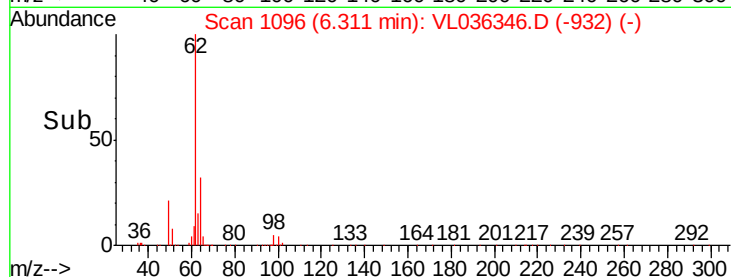
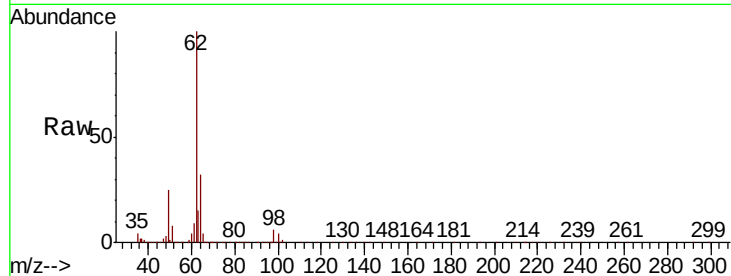




#37
 1,2-Dichloroethane
 Concen: 9.587 ppbv
 RT: 6.31 min Scan# 1096
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

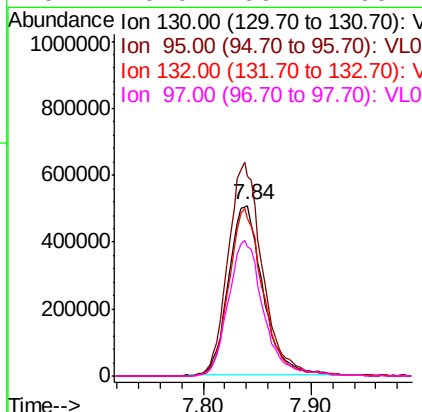
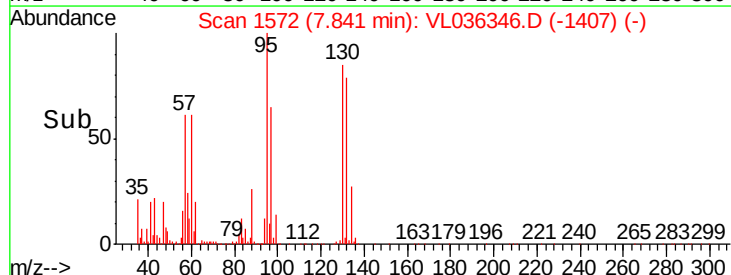
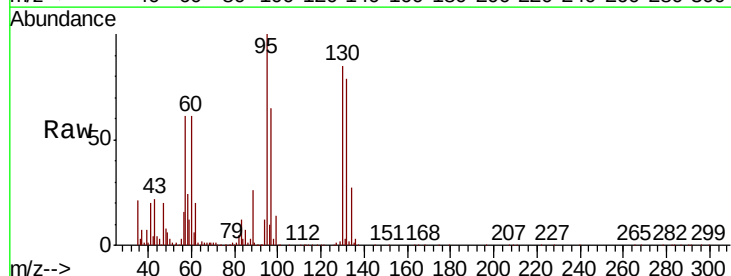
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABS01

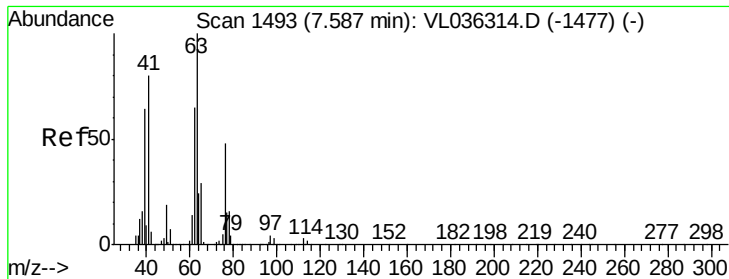
Tot Ion: 62 Resp: 1950181
 Ion Ratio Lower Upper
 62 100
 98 5.9 4.5 6.7



#38
 Trichloroethene
 Concen: 9.518 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

Tgt Ion: 130 Resp: 1121788
 Ion Ratio Lower Upper
 130 100
 95 117.7 102.8 154.2
 132 93.2 75.7 113.5
 97 76.0 66.2 99.2



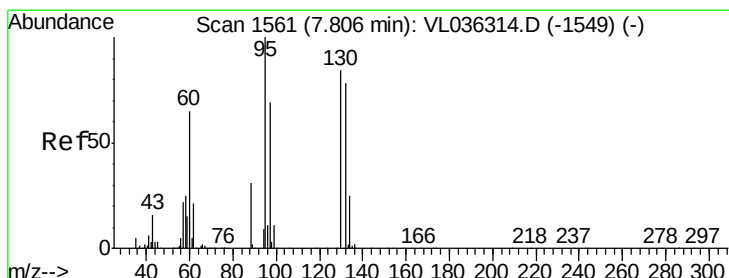
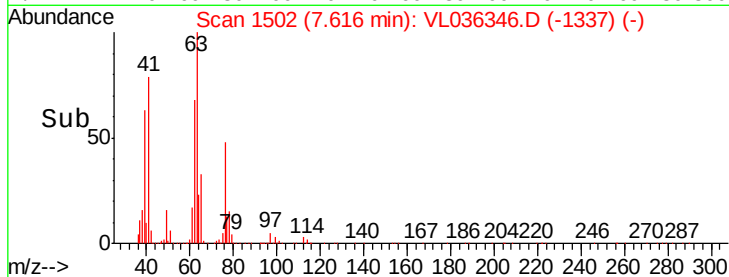
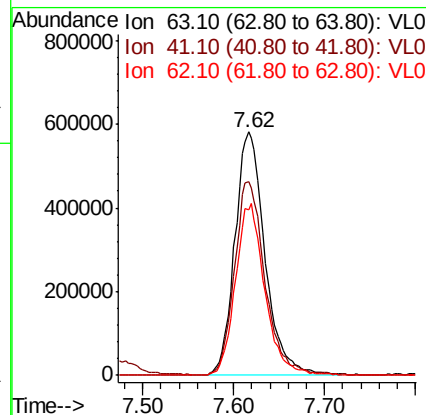
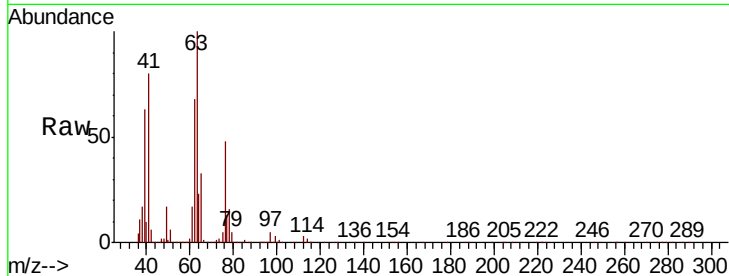


#39
 1,2-Dichloropropane
 Concen: 9.989 ppbv
 RT: 7.62 min Scan# 1502
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABS01

Tot Ion: 63 Resp: 1334965

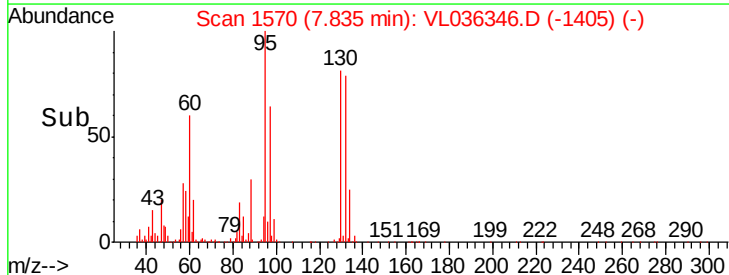
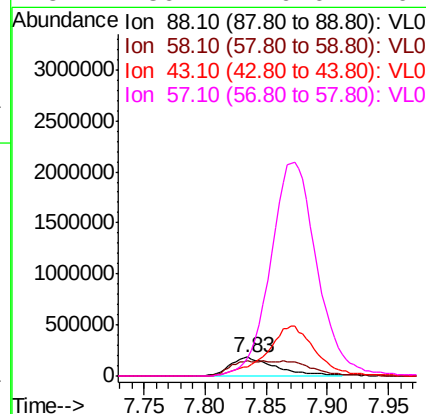
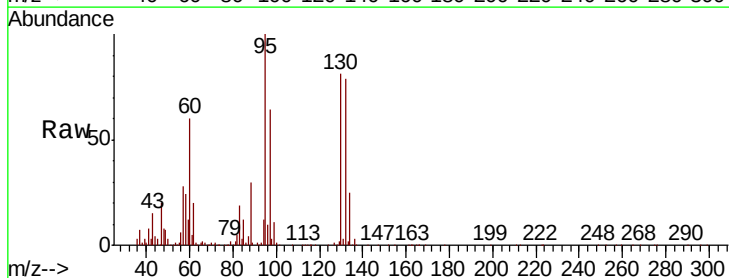
Ion	Ratio	Lower	Upper
63	100		
41	79.4	63.8	95.6
62	67.6	52.3	78.5

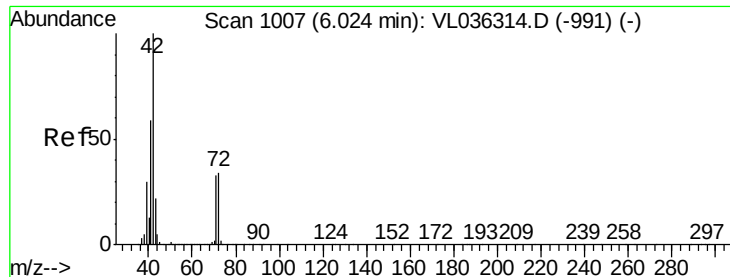


#40
 1,4-Dioxane
 Concen: 10.160 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

Tgt Ion: 88 Resp: 470462

Ion	Ratio	Lower	Upper
88	100		
58	140.4	45.0	67.4#
43	289.9	0.0	0.0#
57	1189.7	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.196 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

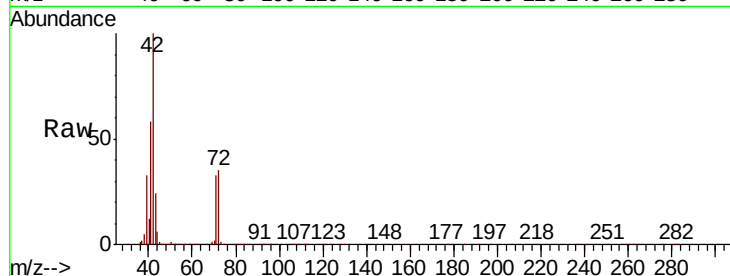
MSVOA_L

ClientSampleId :

VL0224ABS01

Tot Ion: 42 Resp: 1464110

Ion	Ratio	Lower	Upper
42	100		
72	36.2	29.3	43.9
71	34.6	27.8	41.8

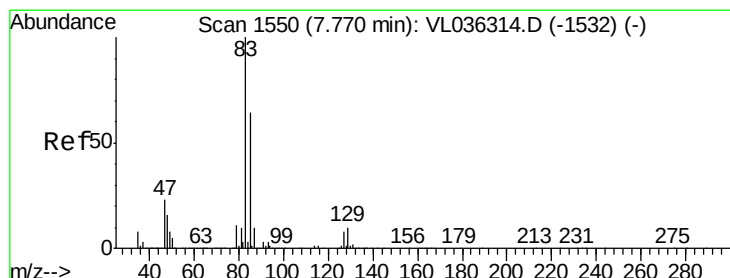
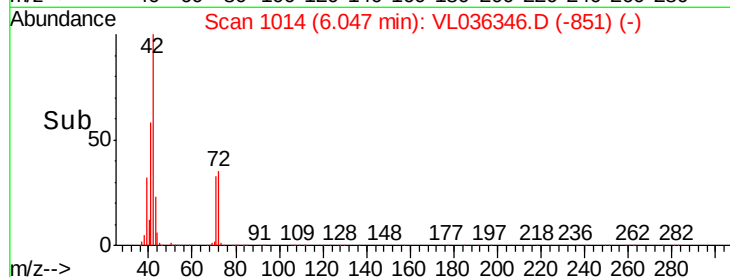
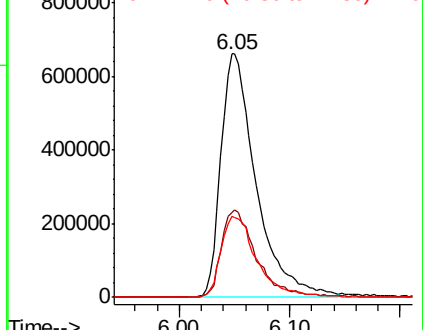


Abundance

Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.097 ppbv

RT: 7.79 min Scan# 1557

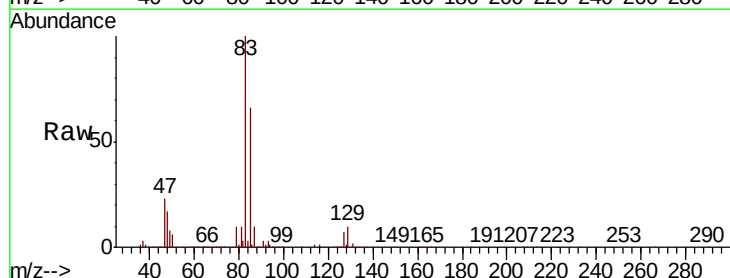
Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Tgt Ion: 83 Resp: 2750791

Ion	Ratio	Lower	Upper
83	100		
85	65.8	51.1	76.7
127	7.4	6.3	9.5

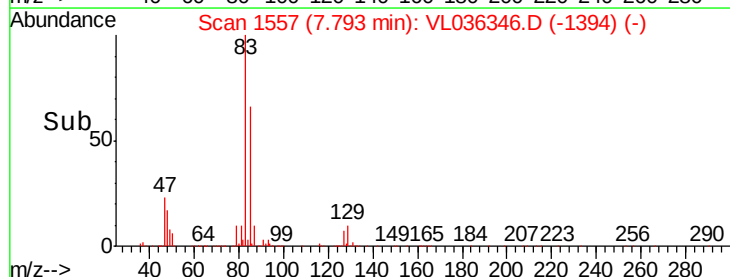
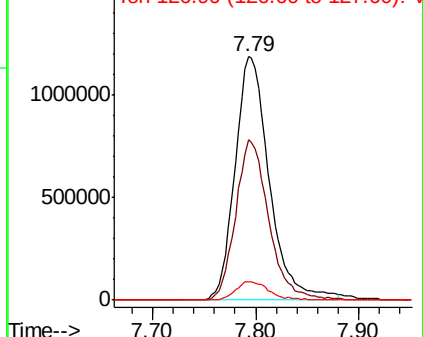


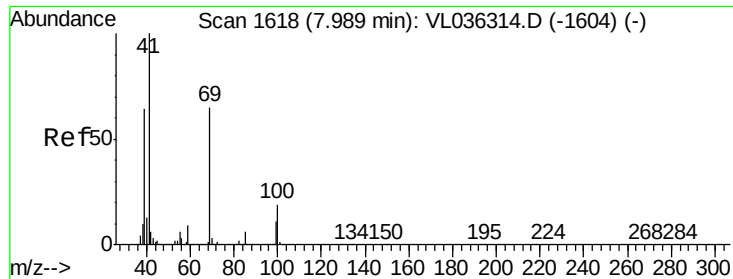
Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

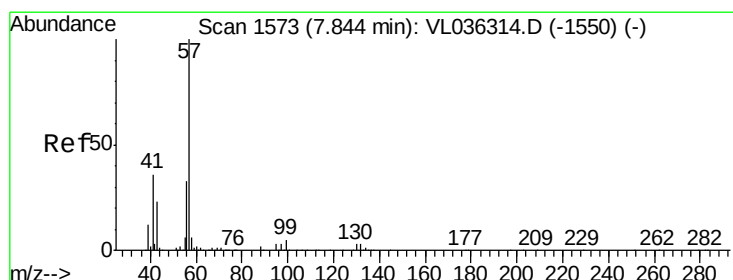
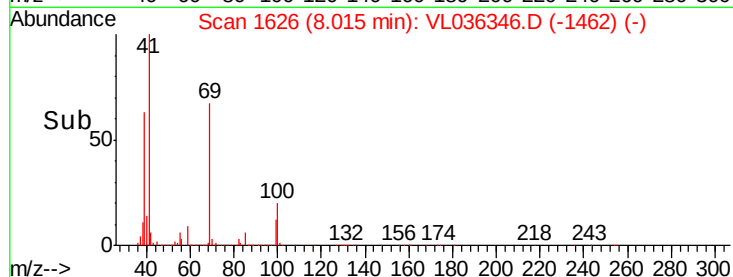
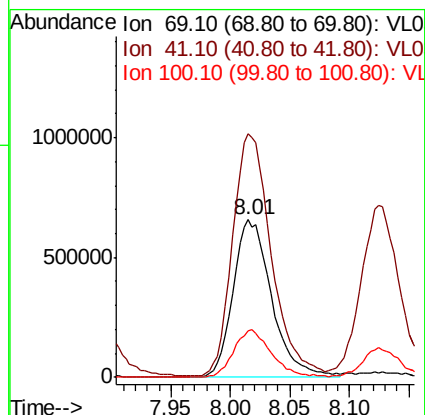
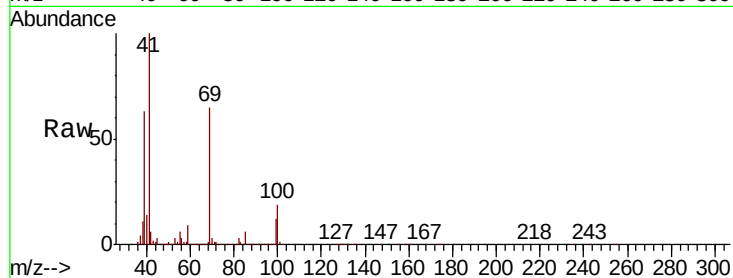




#43
Methvl Methacrylate
Concen: 10.636 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.03 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

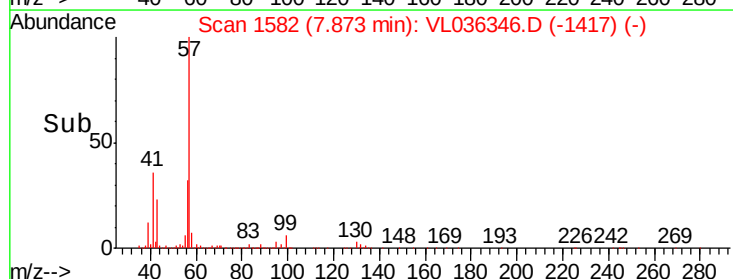
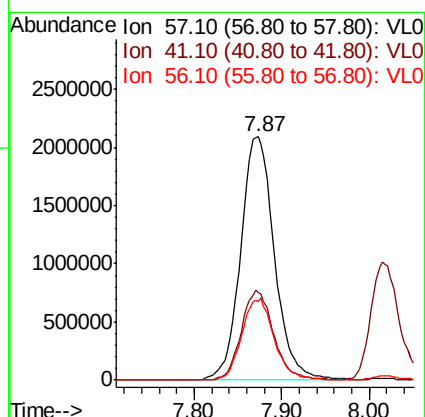
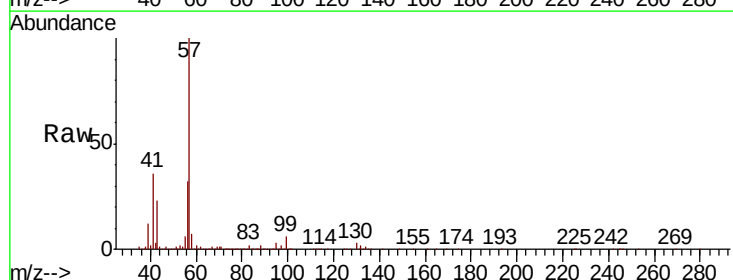
Instrument :
MSVOA_L
ClientSampleId :
VL0224ABS01

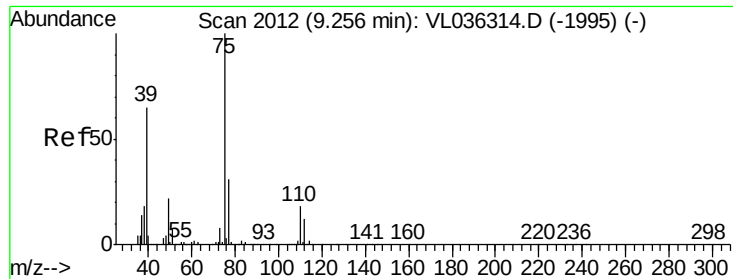
Tot Ion: 69 Resp: 1475738
Ion Ratio Lower Upper
69 100
41 155.8 126.5 189.7
100 29.5 23.1 34.7



#44
2,2,4-Trimethylpentane
Concen: 9.328 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.03 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

Tgt Ion: 57 Resp: 5580243
Ion Ratio Lower Upper
57 100
41 35.4 28.8 43.2
56 32.3 25.8 38.6





#45

t-1,3-Dichloropropene

Concen: 11.775 ppbv

RT: 9.28 min Scan# 2020

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

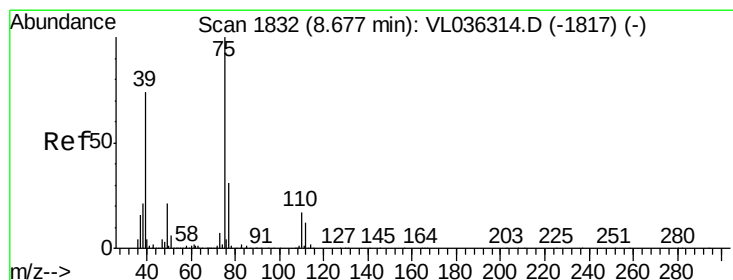
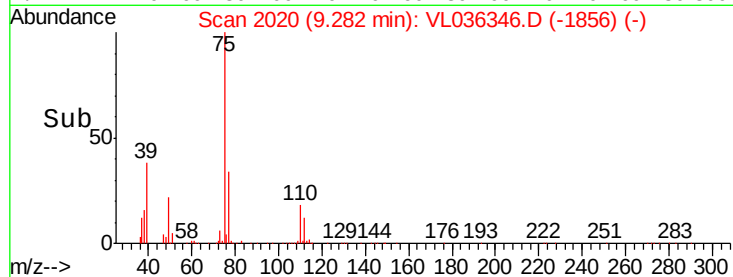
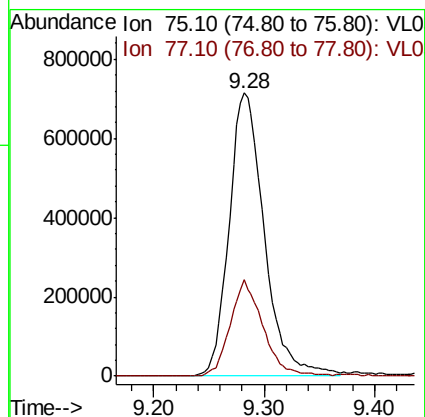
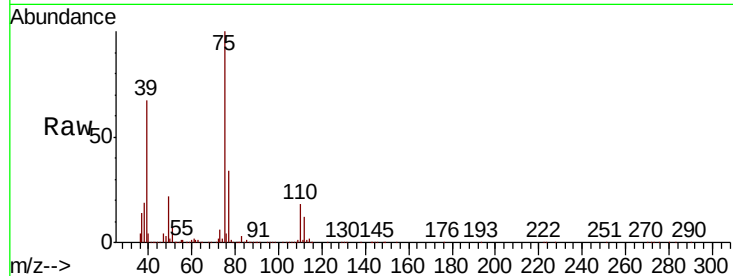
VL0224ABS01

Tot Ion: 75 Resp: 1576104

Ion Ratio Lower Upper

75 100

77 34.0 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 11.066 ppbv

RT: 8.71 min Scan# 1841

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

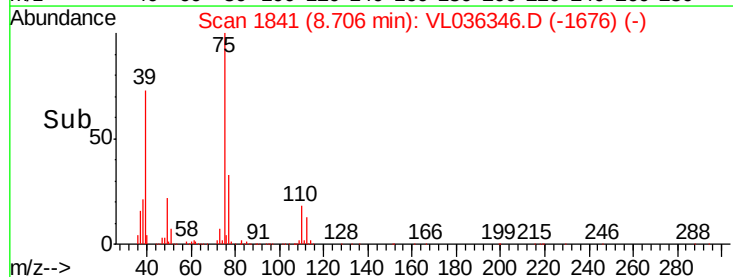
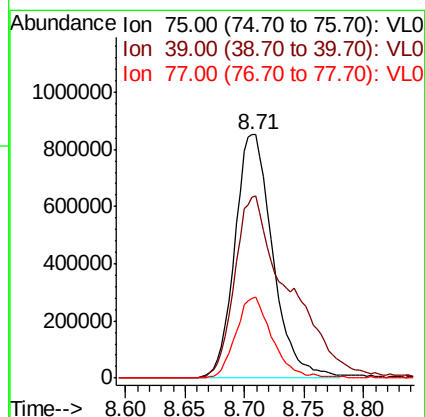
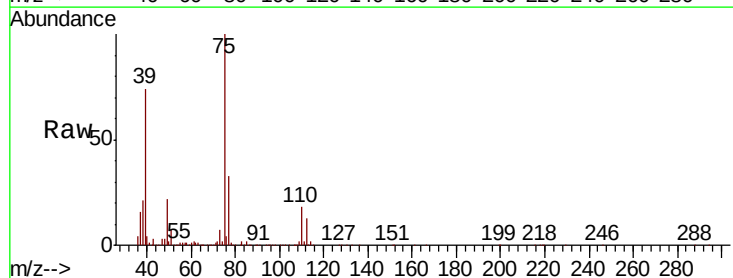
Tgt Ion: 75 Resp: 1881549

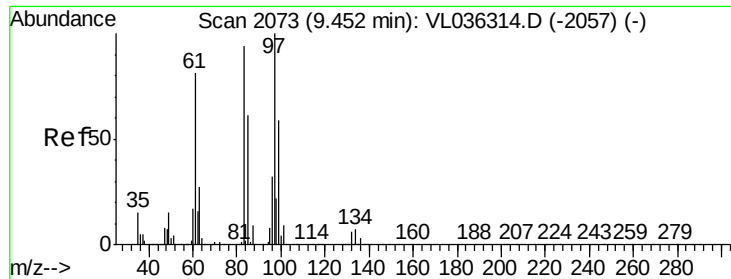
Ion Ratio Lower Upper

75 100

39 74.1 59.2 88.8

77 32.8 25.0 37.6



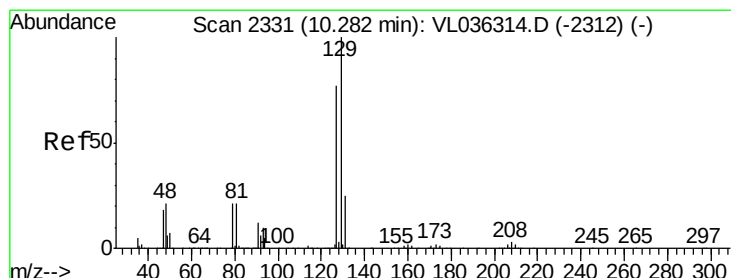
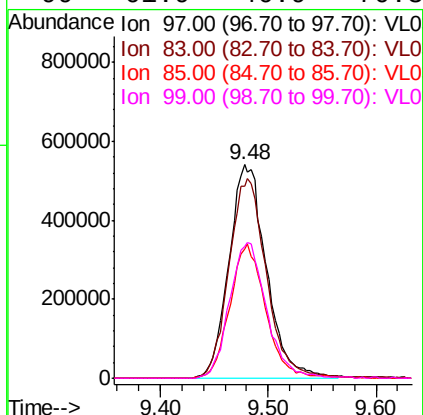
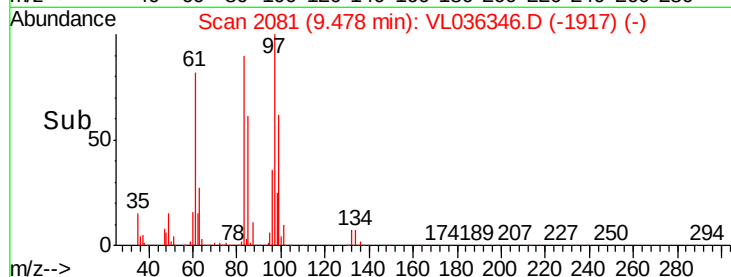
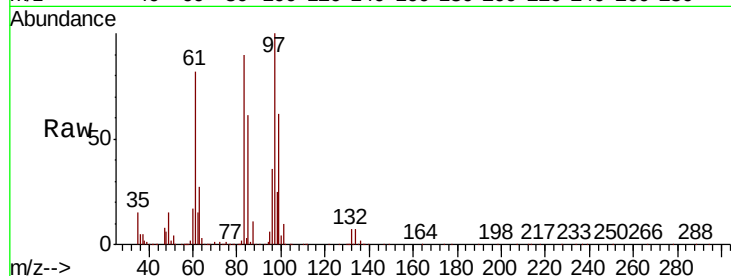


#47
 1,1,2-Trichloroethane
 Concen: 9.525 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABS01

Tot Ion: 97 Resp: 1302720

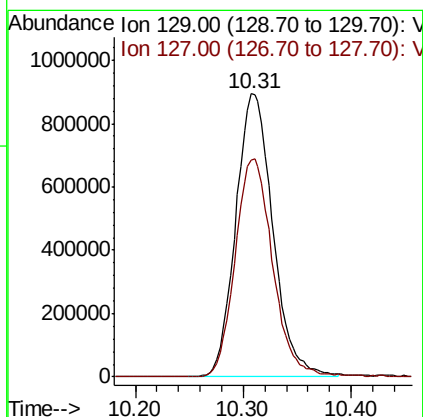
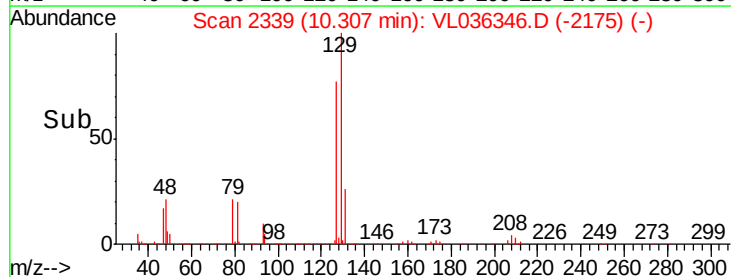
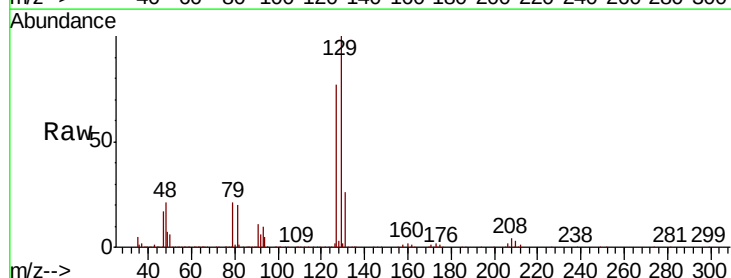
Ion	Ratio	Lower	Upper
97	100		
83	89.7	75.4	113.0
85	60.8	48.9	73.3
99	61.9	46.9	70.3

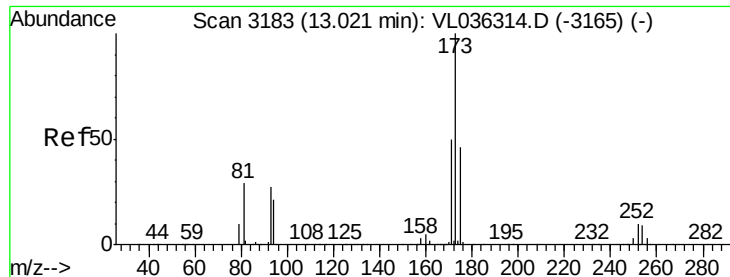


#48
 Dibromochloromethane
 Concen: 10.509 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

Tgt Ion: 129 Resp: 2144803

Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.2





#49

Bromoform

Concen: 10.679 ppbv

RT: 13.05 min Scan# 3192

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

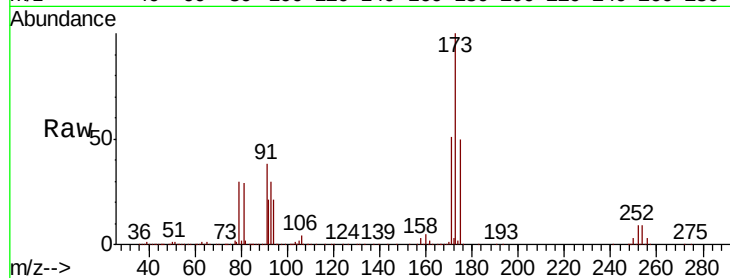
Tot Ion:173 Resp: 1762015

Ion Ratio Lower Upper

173 100

175 52.2 40.2 60.2

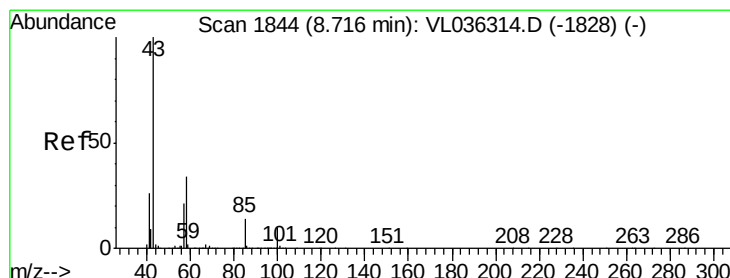
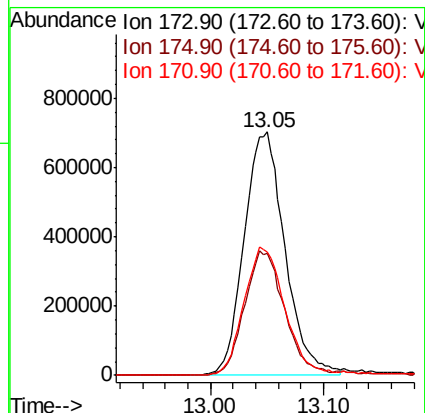
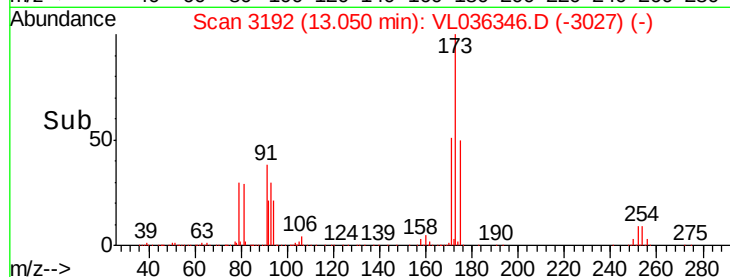
171 55.0 43.4 65.2



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: 9.936 ppbv

RT: 8.74 min Scan# 1852

Delta R.T. 0.03 min

Lab File: VL036346.D

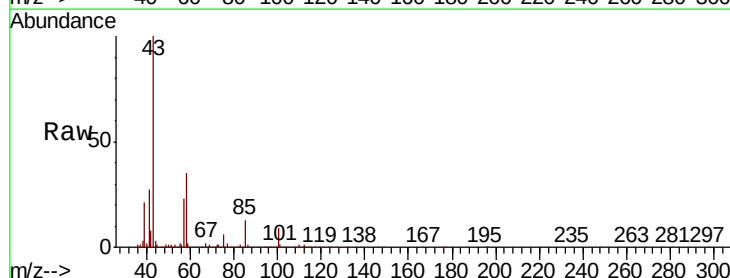
Acq: 24 Feb 2021 11:54

Tgt Ion: 43 Resp: 3795574

Ion Ratio Lower Upper

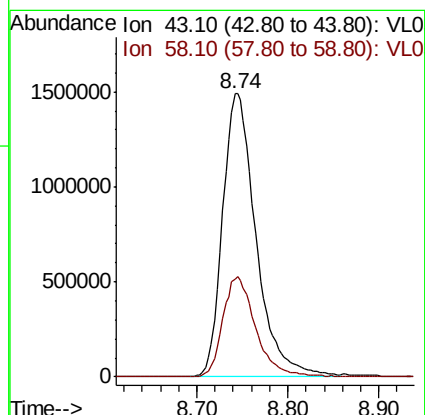
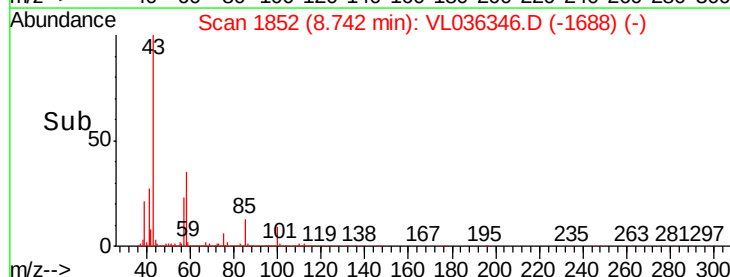
43 100

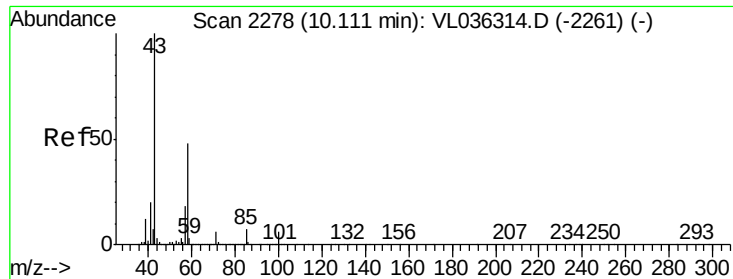
58 35.2 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

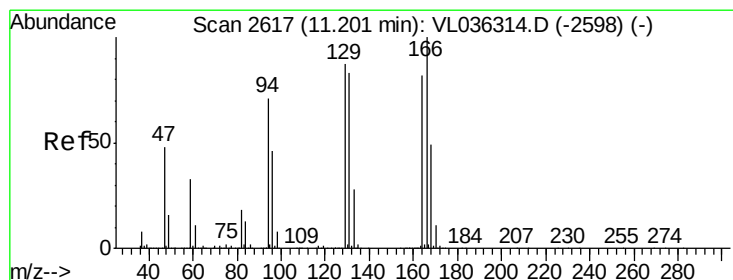
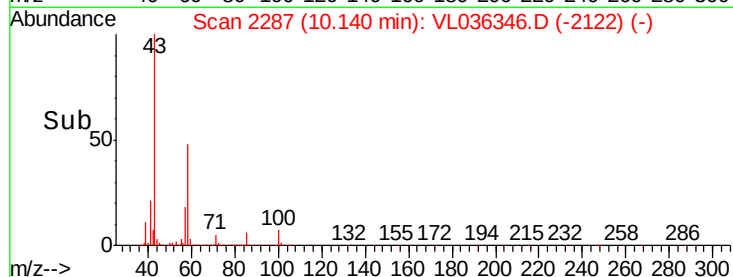
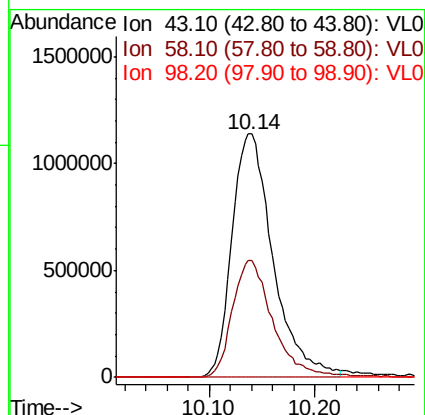
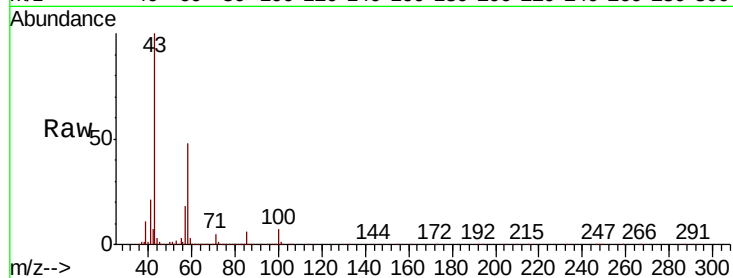




#51
2-Hexanone
Concen: 10.615 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.03 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

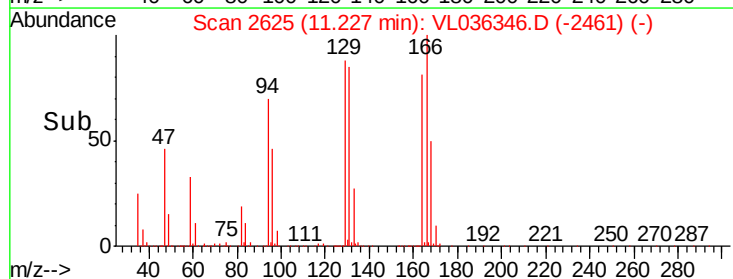
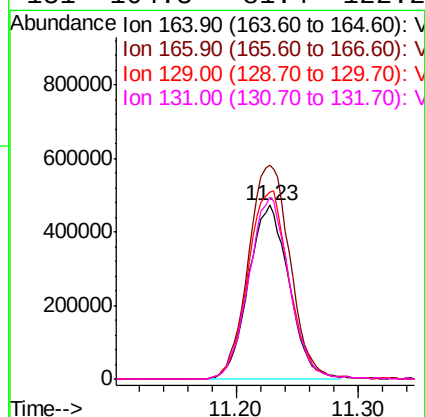
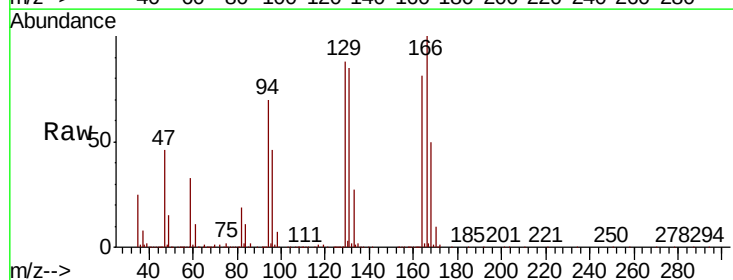
Instrument :
MSVOA_L
ClientSampleId :
VL0224ABS01

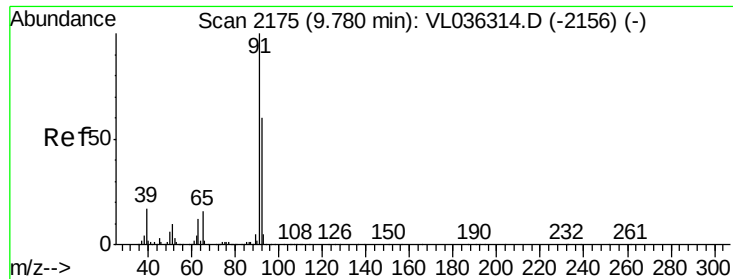
Tot Ion: 43 Resp: 3081246
Ion Ratio Lower Upper
43 100
58 47.9 38.7 58.1
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 8.968 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.03 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

Tgt Ion: 164 Resp: 1080126
Ion Ratio Lower Upper
164 100
166 123.0 97.8 146.8
129 107.8 84.9 127.3
131 104.3 81.4 122.2





#53

Toluene

Concen: 10.248 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

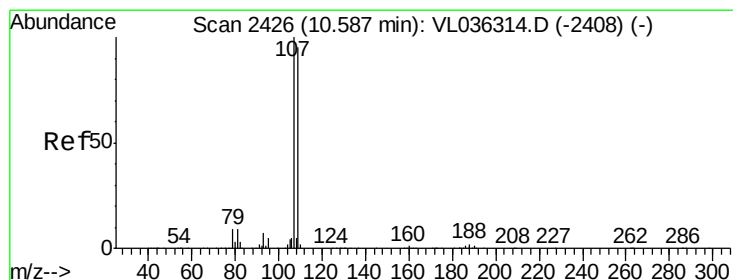
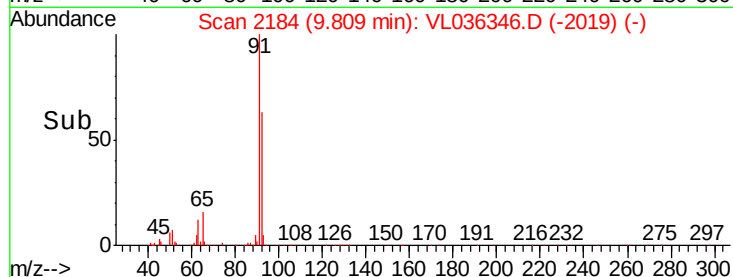
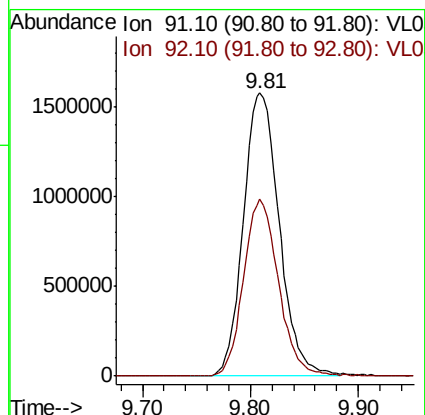
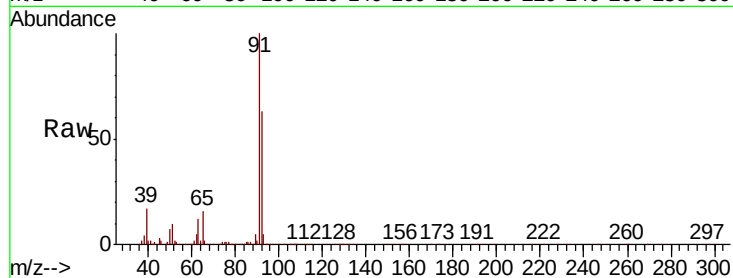
VL0224ABS01

Tot Ion: 91 Resp: 3652029

Ion Ratio Lower Upper

91 100

92 61.1 48.6 72.8



#54

1,2-Dibromoethane

Concen: 9.853 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.03 min

Lab File: VL036346.D

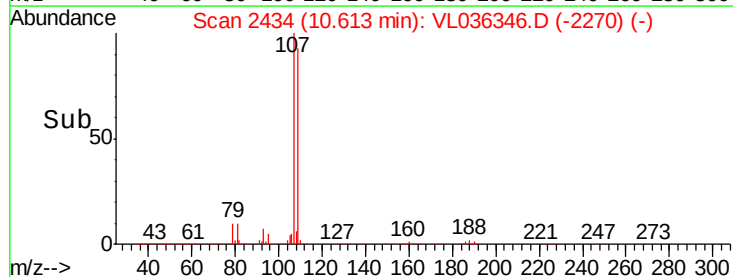
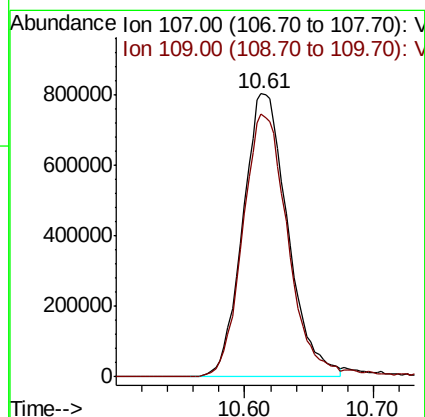
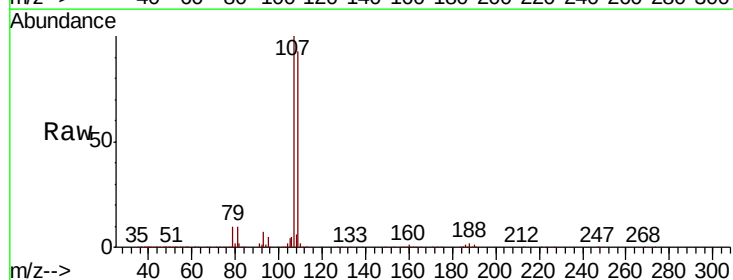
Acq: 24 Feb 2021 11:54

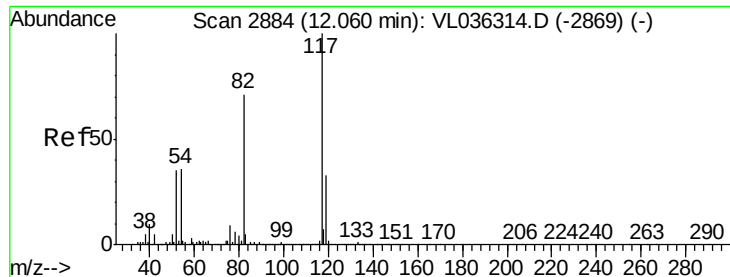
Tgt Ion: 107 Resp: 1947582

Ion Ratio Lower Upper

107 100

109 92.8 76.0 114.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

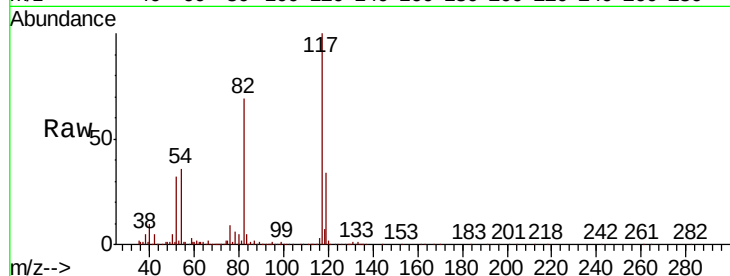
Tot Ion:117 Resp: 3557487

Ion Ratio Lower Upper

117 100

82 73.9 59.1 88.7

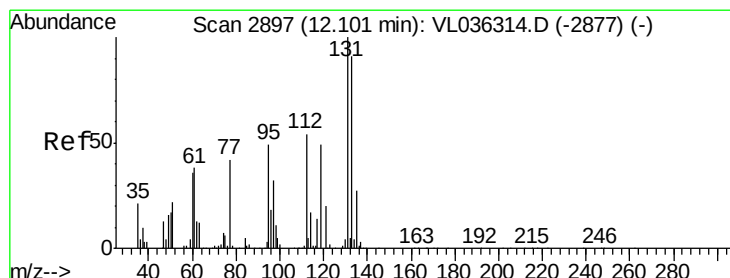
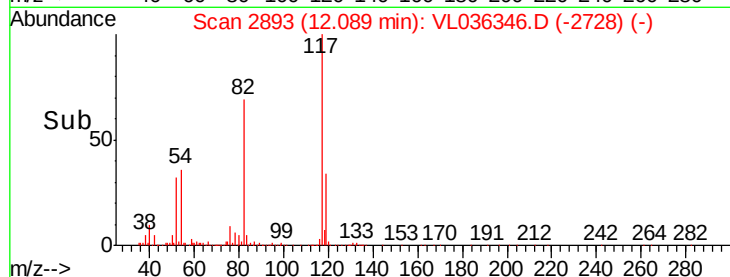
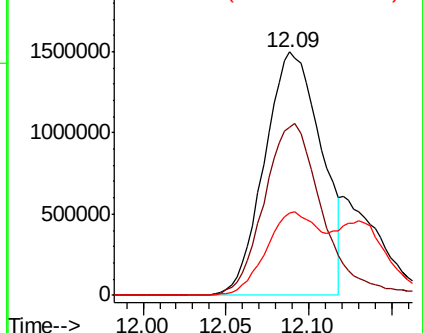
119 30.8 46.3 69.5#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.809 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

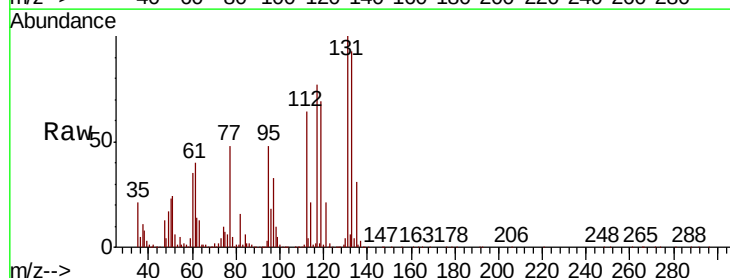
Tgt Ion:131 Resp: 1605015

Ion Ratio Lower Upper

131 100

133 95.2 76.0 114.0

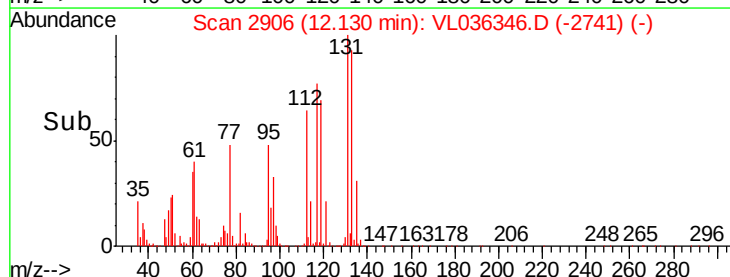
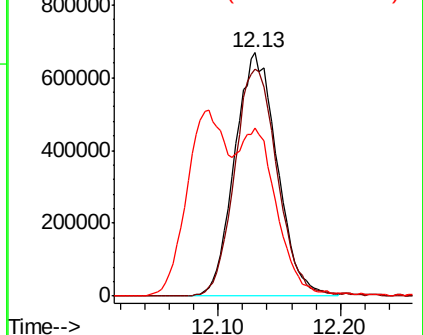
119 64.3 115.1 172.7#

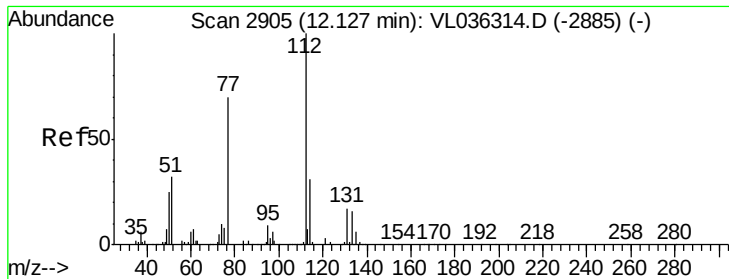


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.559 ppbv

RT: 12.15 min Scan# 2913

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

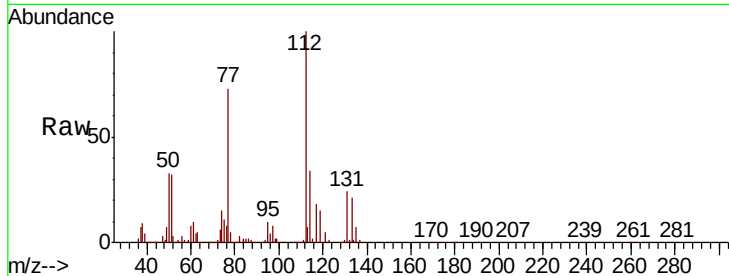
Tot Ion:112 Resp: 2627297

Ion Ratio Lower Upper

112 100

77 71.7 56.1 84.1

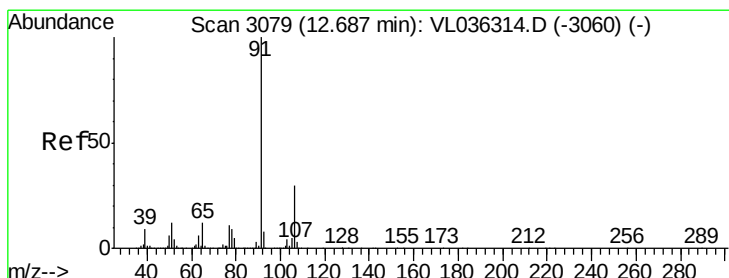
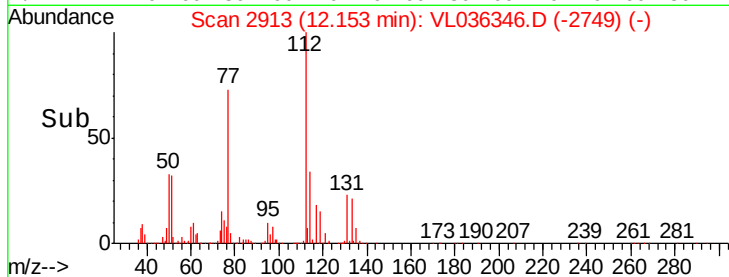
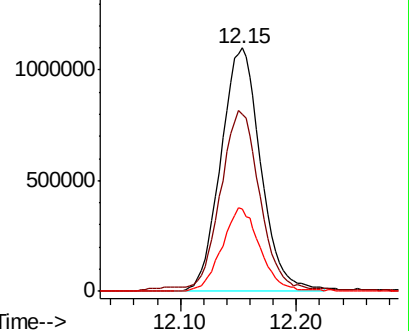
114 33.6 28.3 34.5



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: 10.169 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.03 min

Lab File: VL036346.D

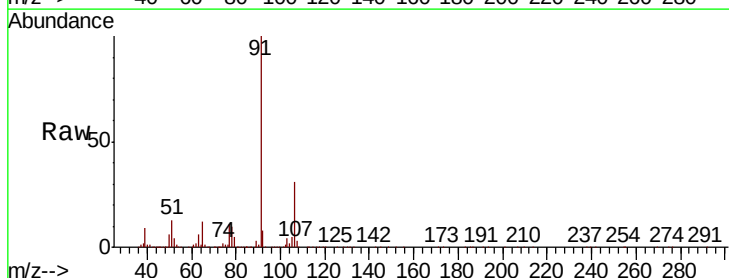
Acq: 24 Feb 2021 11:54

Tgt Ion: 91 Resp: 4953655

Ion Ratio Lower Upper

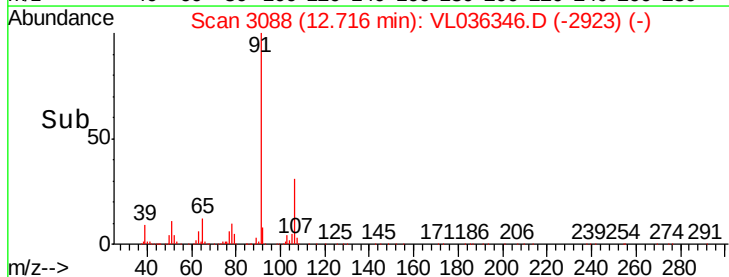
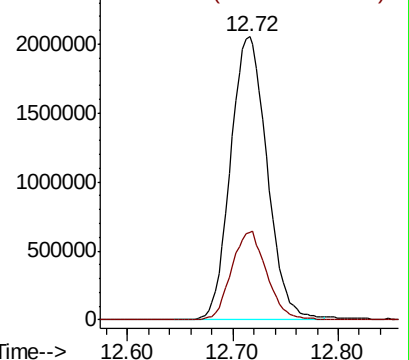
91 100

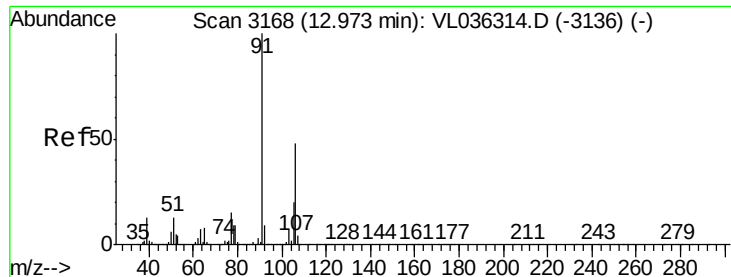
106 30.7 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

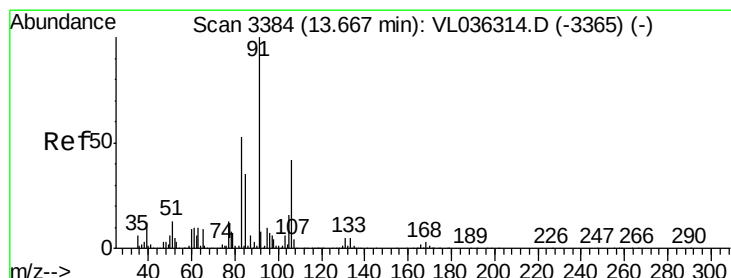
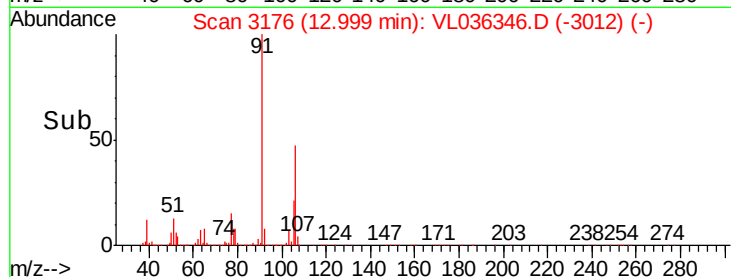
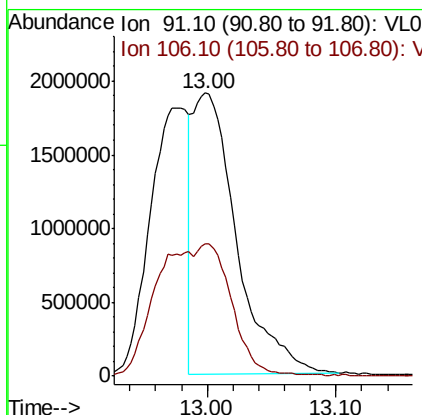
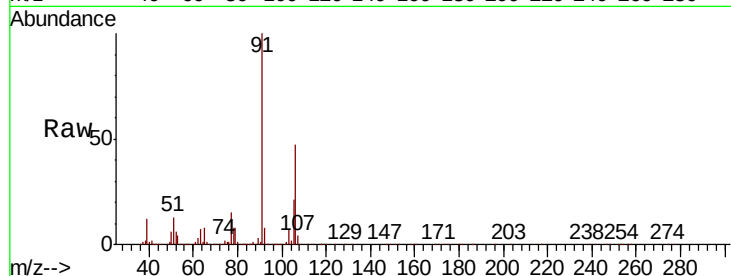




#59
m/p-Xylene
Concen: 10.455 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. 0.03 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

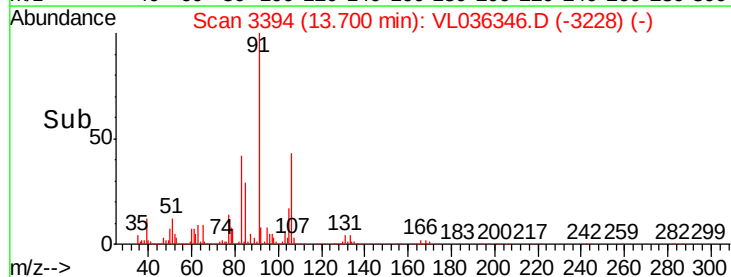
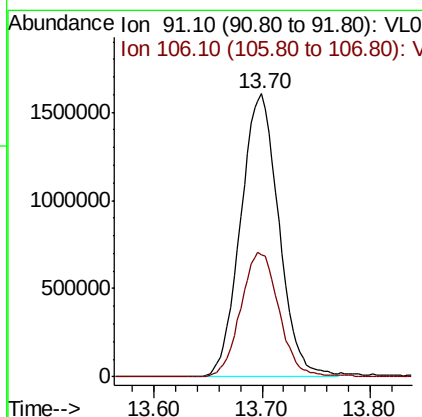
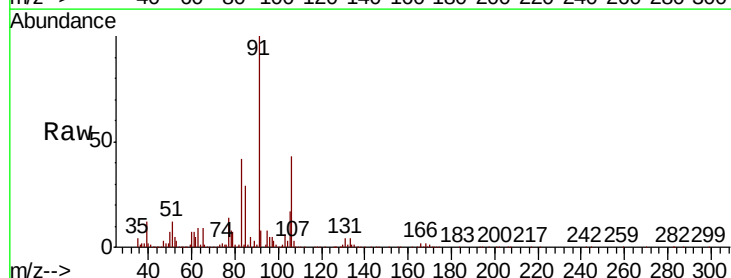
Instrument :
MSVOA_L
ClientSampleId :
VL0224ABS01

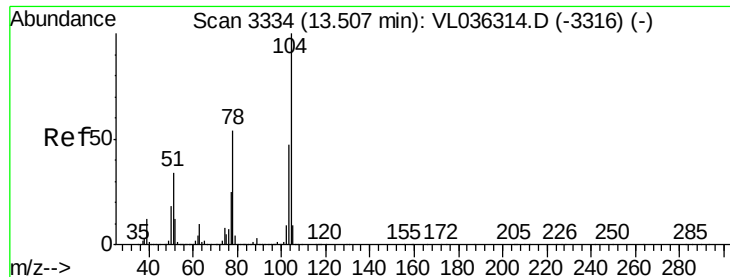
Tot Ion: 91 Resp: 4473736
Ion Ratio Lower Upper
91 100
106 80.7 34.2 51.2#



#60
o-Xylene
Concen: 9.639 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL036346.D
Acq: 24 Feb 2021 11:54

Tgt Ion: 91 Resp: 3943520
Ion Ratio Lower Upper
91 100
106 44.5 22.0 66.0





#61

Stvrene

Concen: 11.189 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

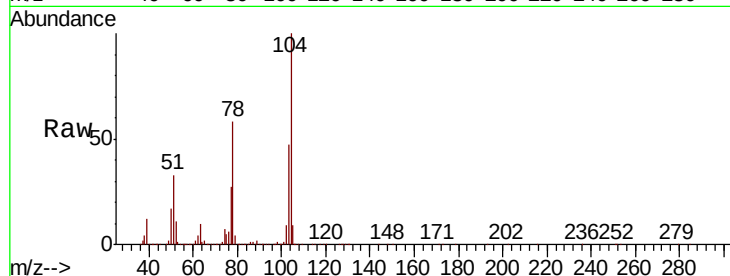
Tot Ion:104 Resp: 2836982

Ion Ratio Lower Upper

104 100

78 56.5 46.2 69.2

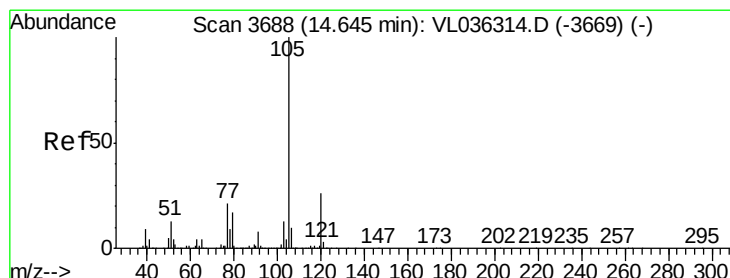
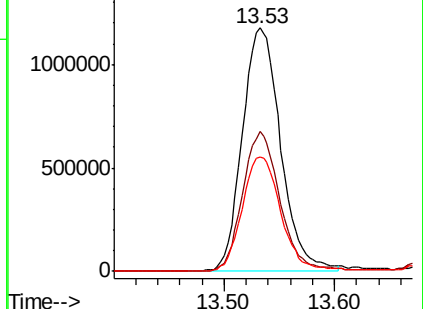
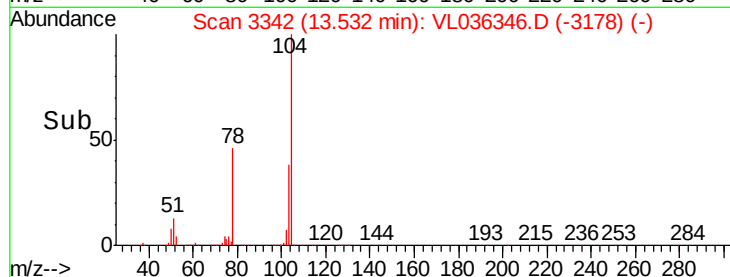
103 47.9 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.504 ppbv

RT: 14.67 min Scan# 3696

Delta R.T. 0.03 min

Lab File: VL036346.D

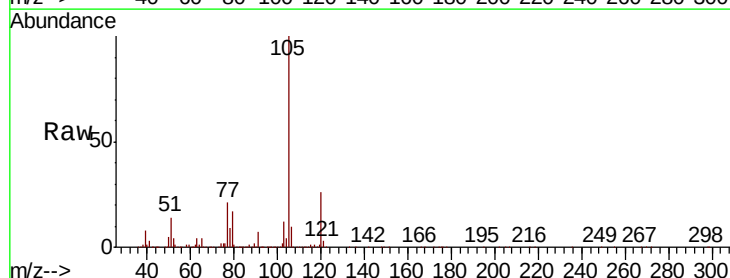
Acq: 24 Feb 2021 11:54

Tgt Ion:105 Resp: 5828062

Ion Ratio Lower Upper

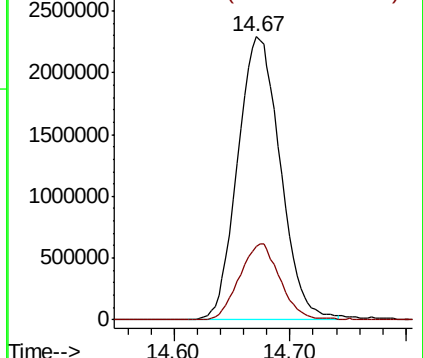
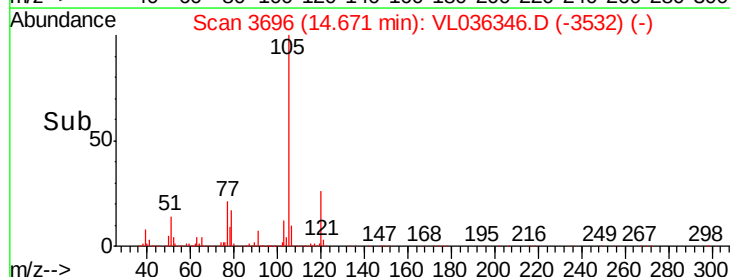
105 100

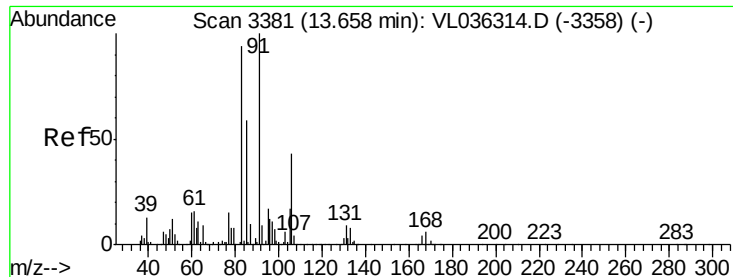
120 26.1 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 8.644 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

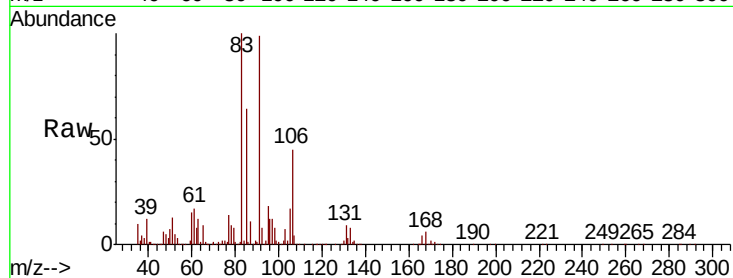
Tot Ion: 83 Resp: 2790191

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.0

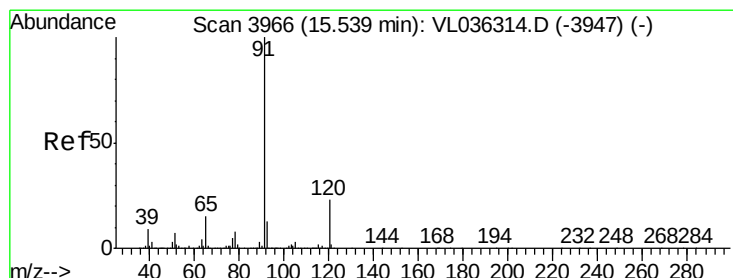
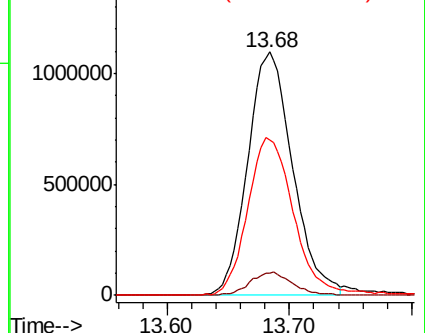
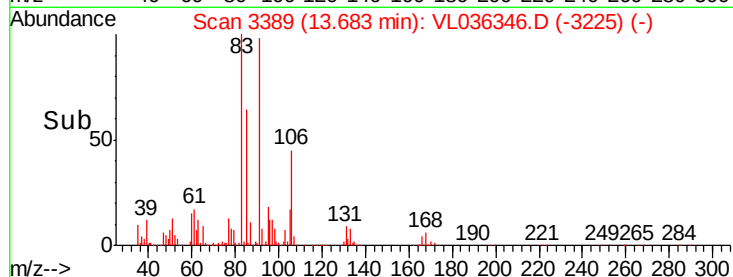
85 67.6 33.0 98.9



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: 10.159 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. 0.03 min

Lab File: VL036346.D

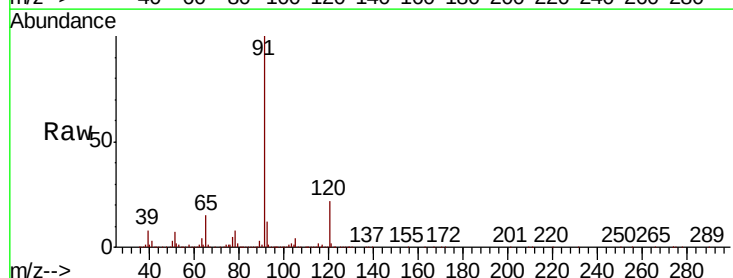
Acq: 24 Feb 2021 11:54

Tgt Ion:120 Resp: 1533204

Ion Ratio Lower Upper

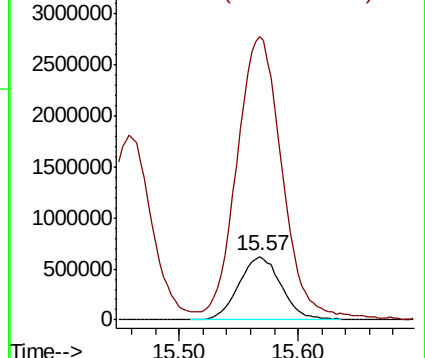
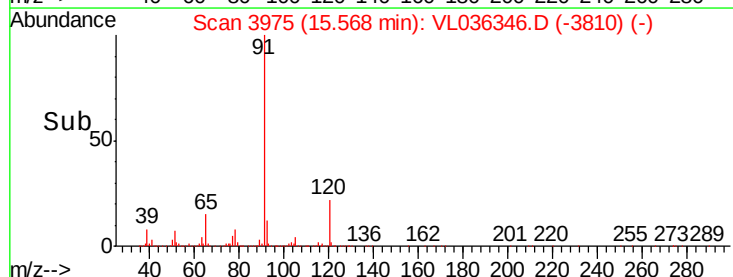
120 100

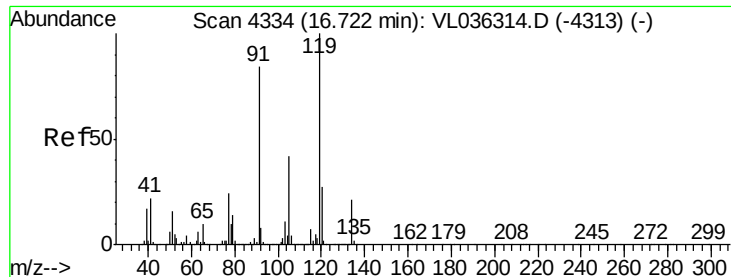
91 481.7 387.2 580.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.429 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

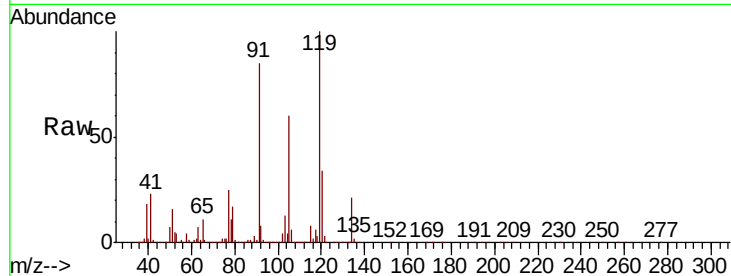
Tot Ion:119 Resp: 4947144

Ion Ratio Lower Upper

119 100

91 87.6 70.5 105.7

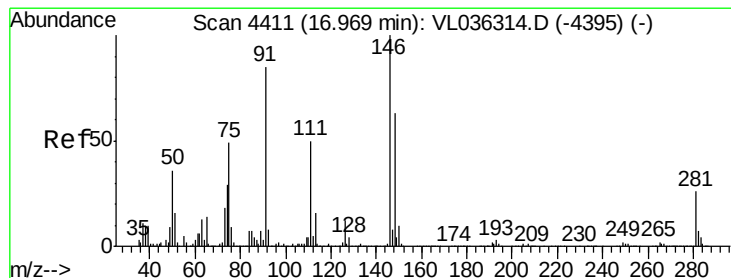
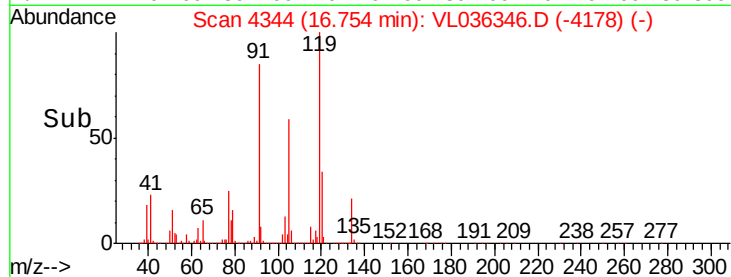
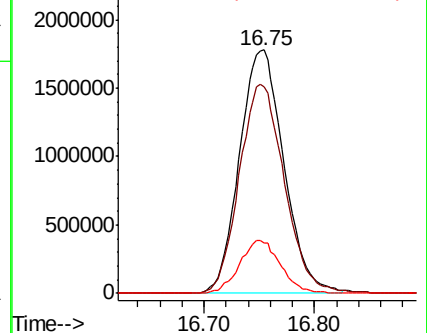
134 20.1 15.8 23.8



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 12.356 ppbv

RT: 17.00 min Scan# 4419

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

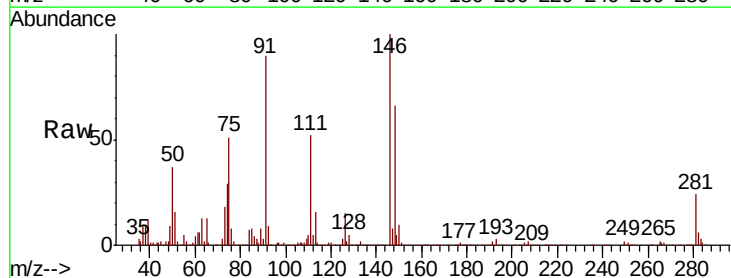
Tgt Ion: 91 Resp: 1762471

Ion Ratio Lower Upper

91 100

126 16.9 12.9 19.3

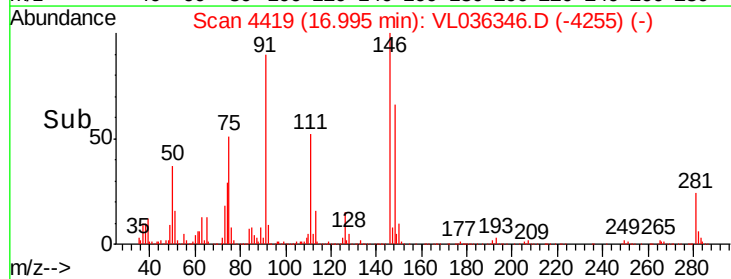
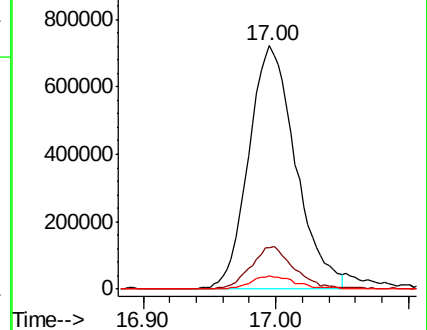
128 5.5 4.2 6.2

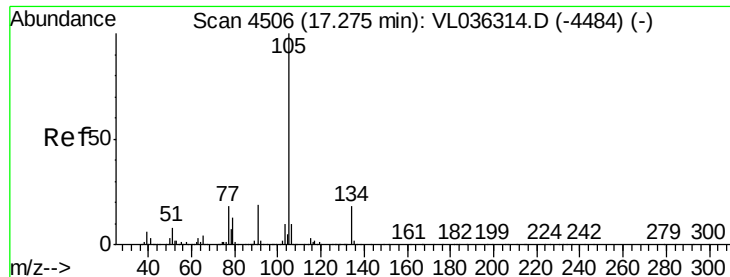


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

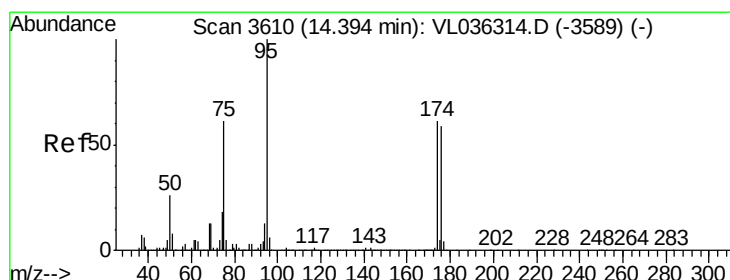
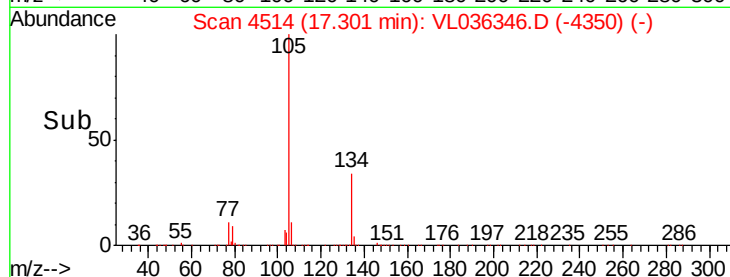
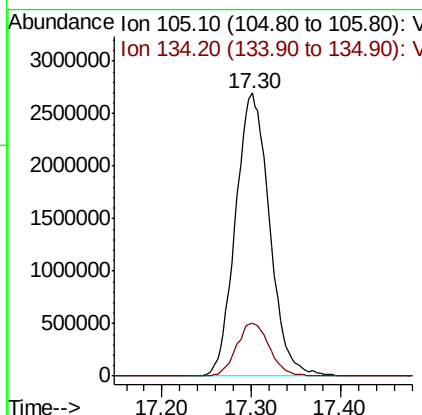
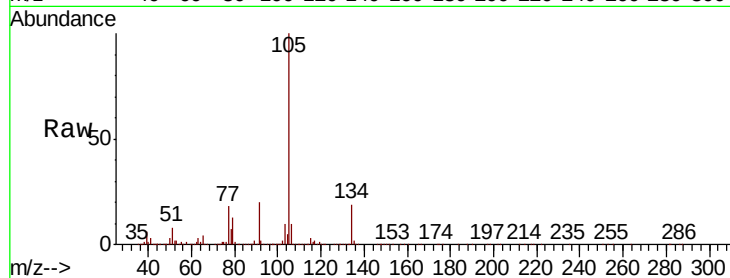




#67
 sec-Butylbenzene
 Concen: 9.413 ppbv
 RT: 17.30 min Scan# 4514
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

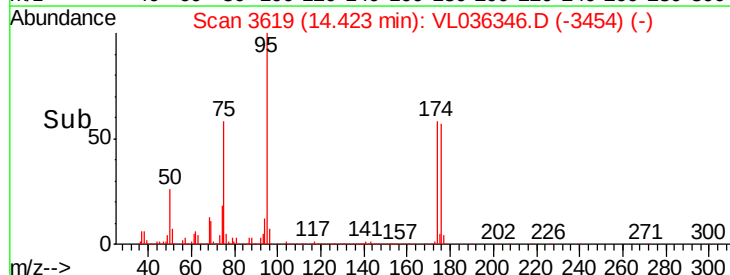
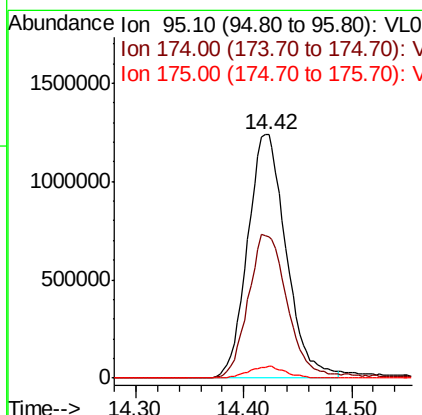
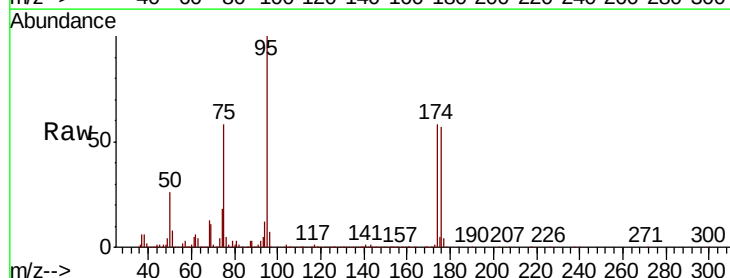
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABS01

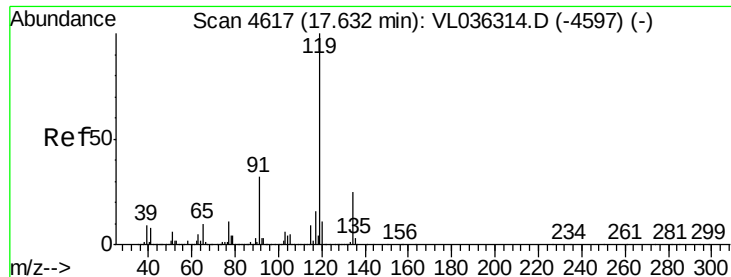
Tot Ion:105 Resp: 7122824
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.509 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

Tgt Ion: 95 Resp: 3075982
 Ion Ratio Lower Upper
 95 100
 174 61.8 49.8 74.6
 175 4.7 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.974 ppbv

RT: 17.66 min Scan# 4626

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

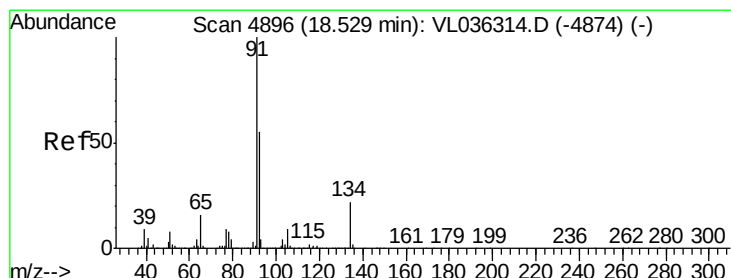
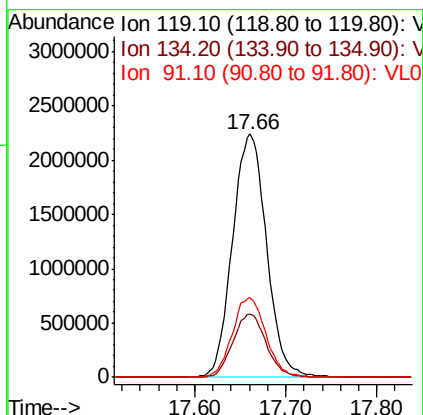
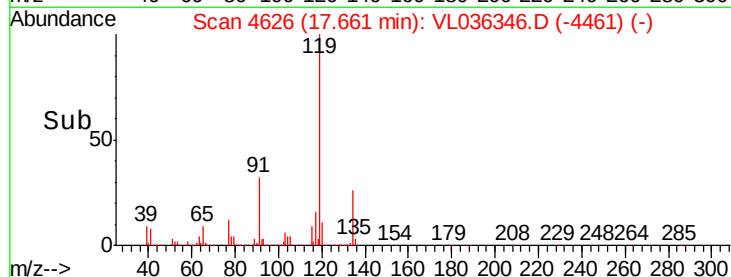
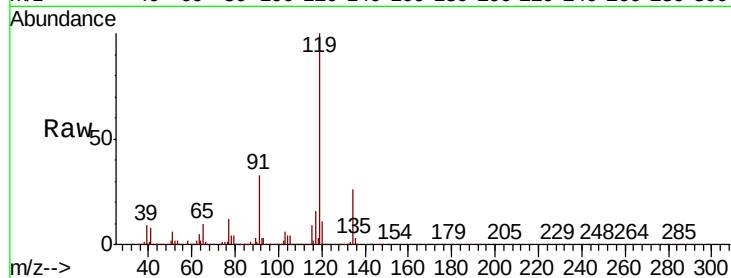
Tot Ion:119 Resp: 5832573

Ion Ratio Lower Upper

119 100

134 25.5 20.1 30.1

91 32.2 25.8 38.6



#70

n-Butylbenzene

Concen: 9.821 ppbv

RT: 18.56 min Scan# 4905

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

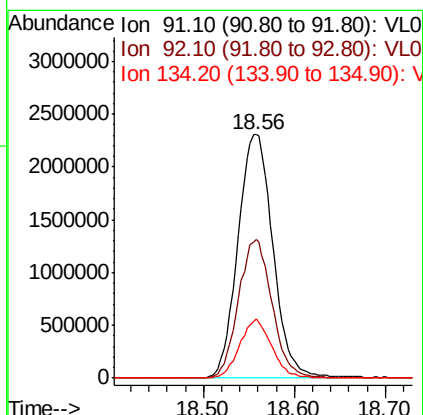
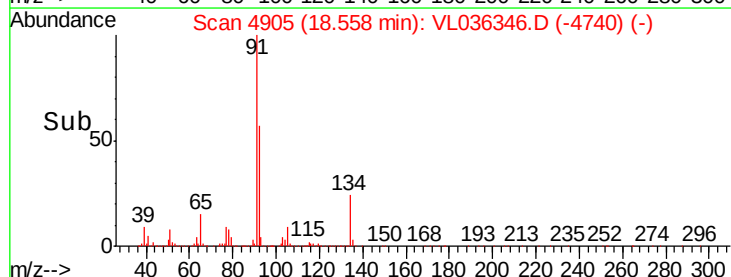
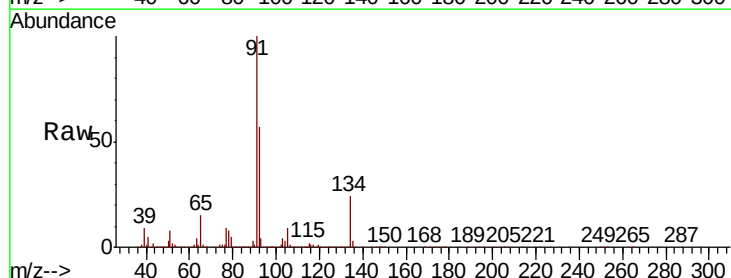
Tgt Ion: 91 Resp: 6158615

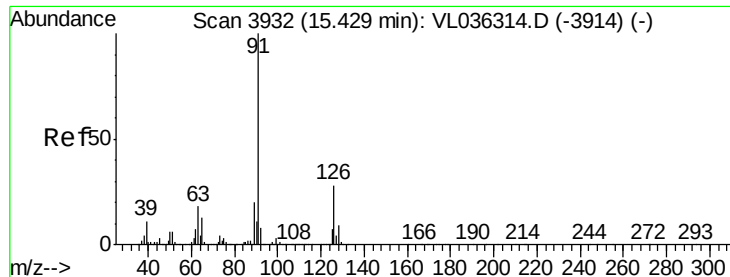
Ion Ratio Lower Upper

91 100

92 55.1 43.7 65.5

134 22.3 17.4 26.0

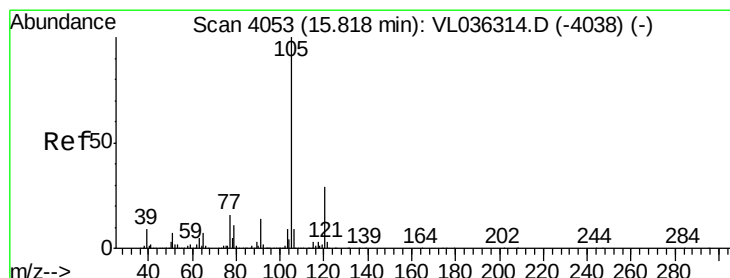
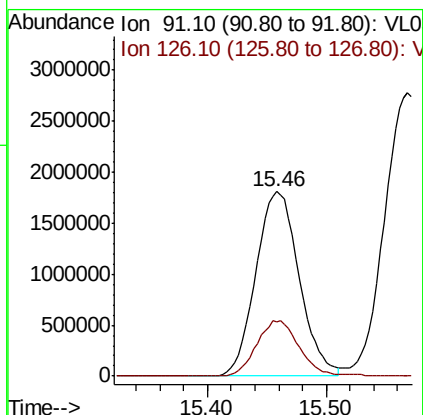
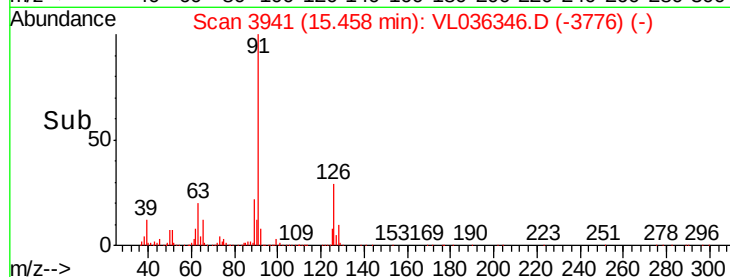
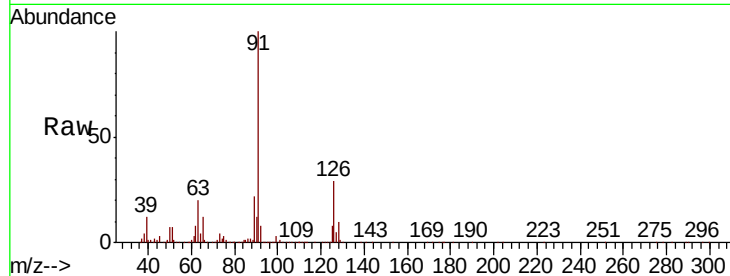




#71
 2-Chlorotoluene
 Concen: 9.709 ppbv
 RT: 15.46 min Scan# 3941
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

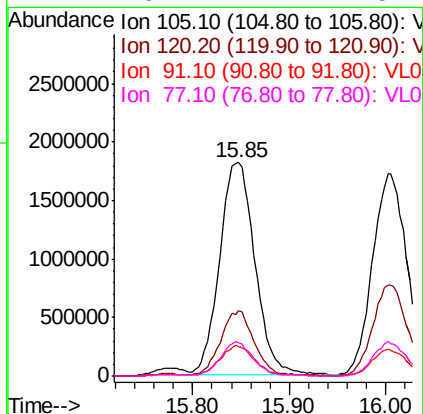
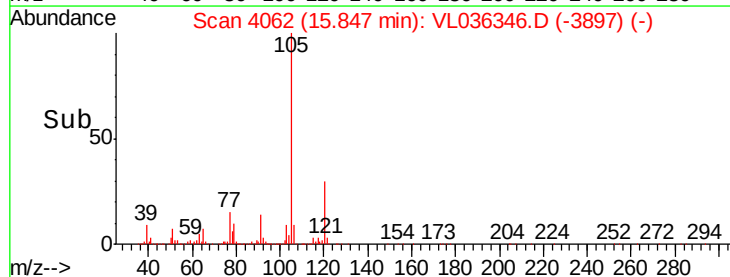
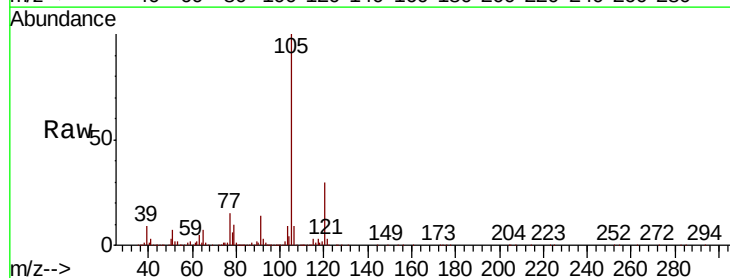
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABS01

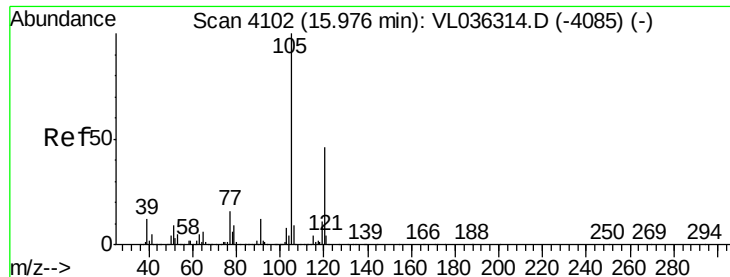
Tot Ion: 91 Resp: 4563927
 Ion Ratio Lower Upper
 91 100
 126 29.9 11.5 46.1



#72
 4-Ethyltoluene
 Concen: 10.141 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

Tgt Ion:105 Resp: 4617315
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.2 34.8
 91 13.7 11.0 16.4
 77 15.7 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 9.681 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

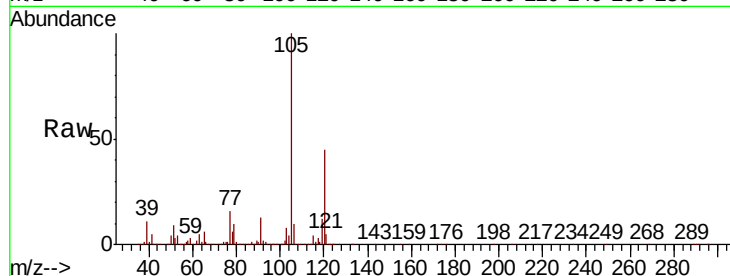
VL0224ABS01

Tot Ion:105 Resp: 4272542

Ion Ratio Lower Upper

105 100

120 45.2 36.9 55.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.00

1500000

1000000

500000

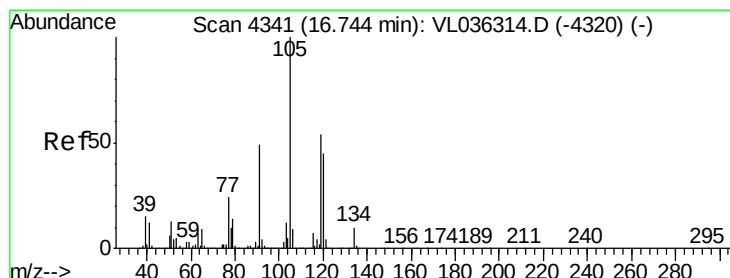
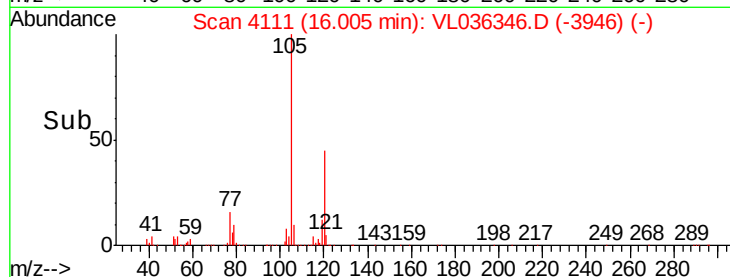
0

Time-->

15.90

16.00

16.10



#74

1,2,4-Trimethylbenzene

Concen: 9.639 ppbv

RT: 16.77 min Scan# 4349

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Tgt Ion:105 Resp: 4342973

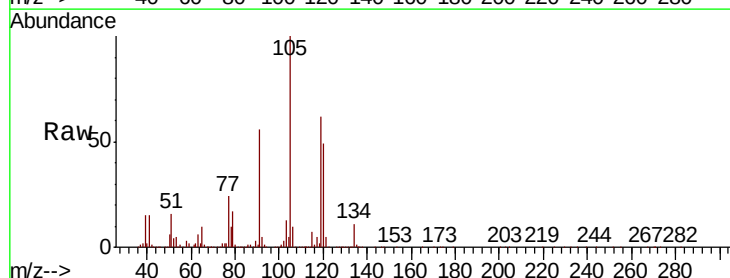
Ion Ratio Lower Upper

105 100

120 49.4 35.8 53.6

91 55.4 39.8 59.6

77 23.5 19.1 28.7



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

2500000

2000000

1500000

1000000

500000

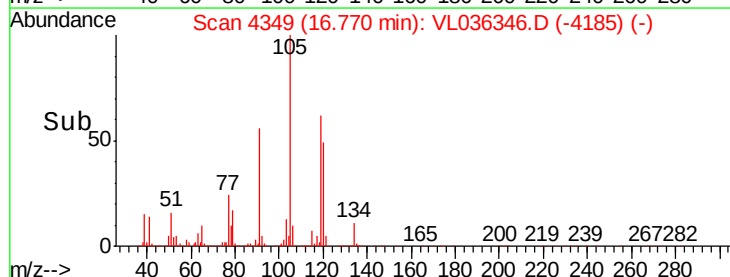
0

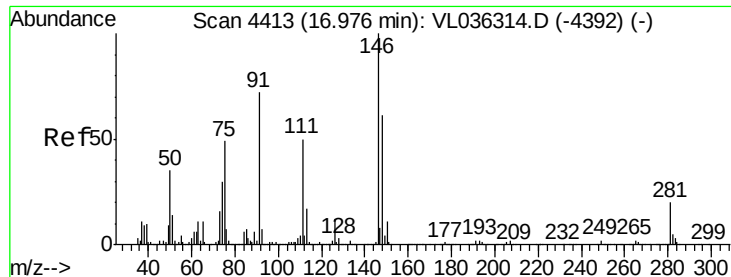
Time-->

16.70

16.80

16.90

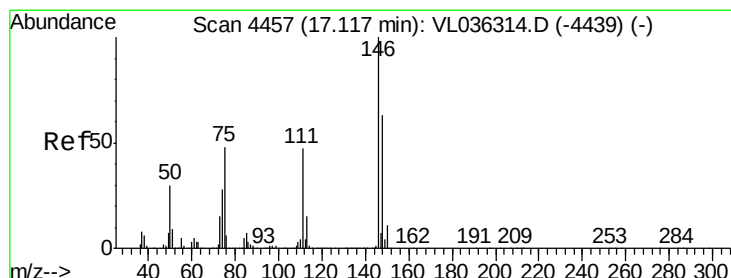
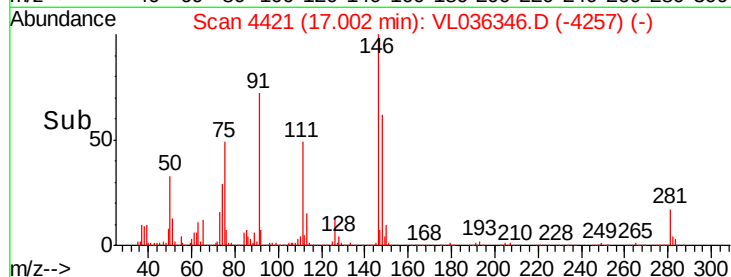
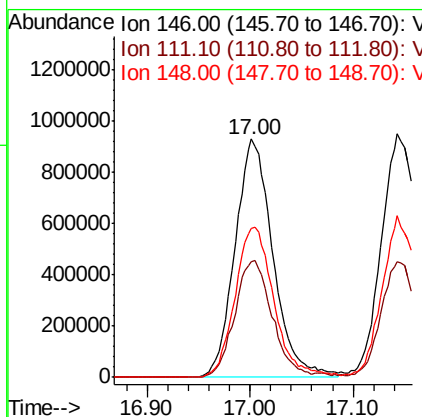
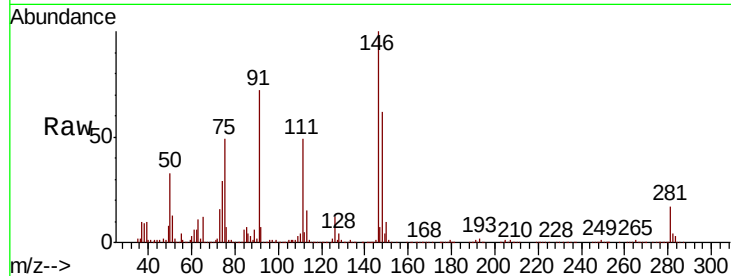




#75
 1,3-Dichlorobenzene
 Concen: 9.742 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

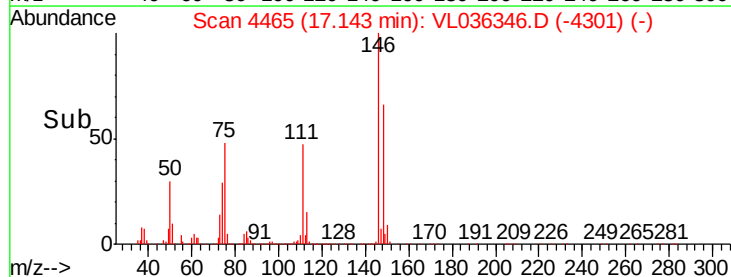
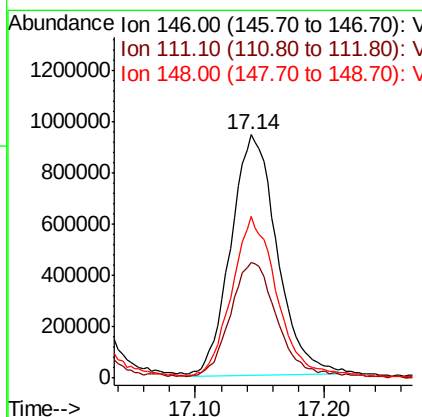
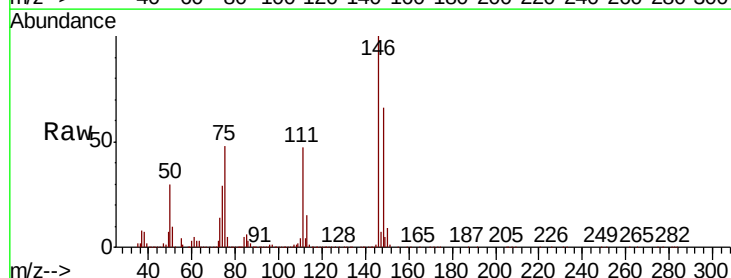
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0224ABS01

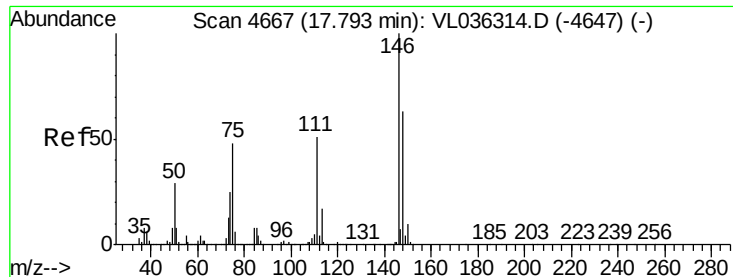
Tot Ion:146 Resp: 2382556
 Ion Ratio Lower Upper
 146 100
 111 49.4 24.9 74.6
 148 64.6 31.9 95.9



#76
 1,4-Dichlorobenzene
 Concen: 9.218 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. 0.03 min
 Lab File: VL036346.D
 Acq: 24 Feb 2021 11:54

Tgt Ion:146 Resp: 2340944
 Ion Ratio Lower Upper
 146 100
 111 49.1 23.6 71.0
 148 65.9 31.6 95.0





#77

1,2-Dichlorobenzene

Concen: 9.593 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

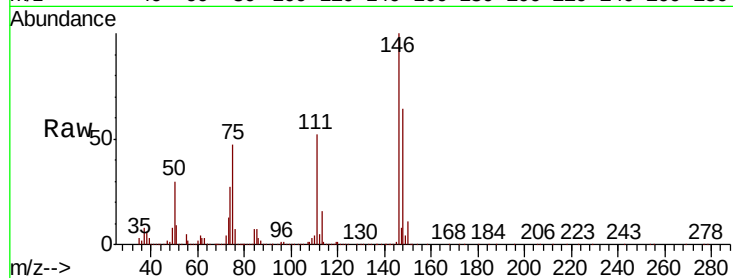
Tot Ion:146 Resp: 2327294

Ion Ratio Lower Upper

146 100

111 51.3 25.9 77.8

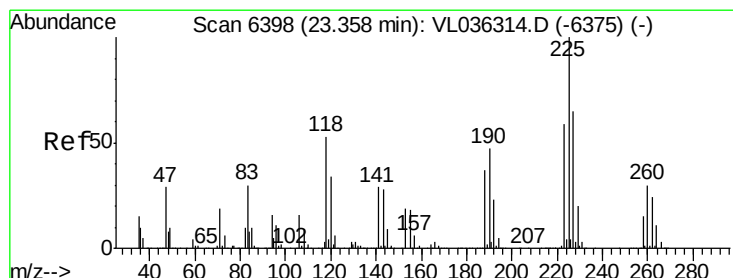
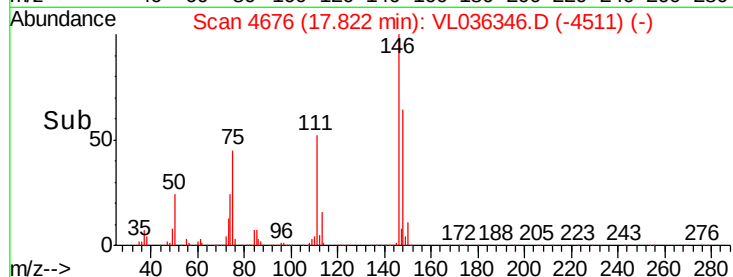
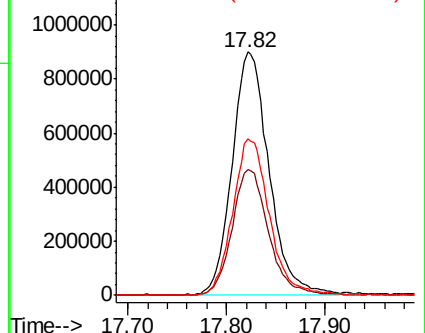
148 64.2 32.5 97.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.411 ppbv

RT: 23.38 min Scan# 6406

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

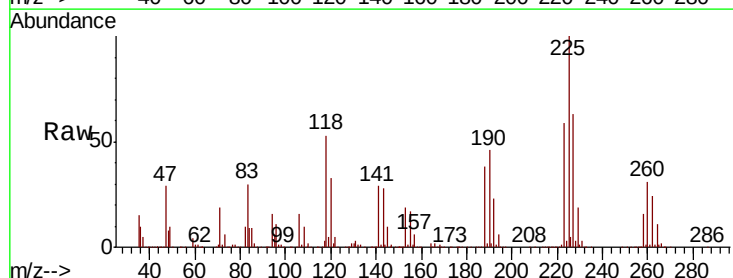
Tgt Ion:225 Resp: 1667125

Ion Ratio Lower Upper

225 100

223 64.8 50.8 76.2

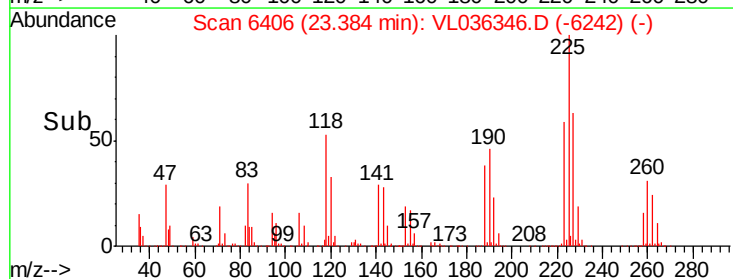
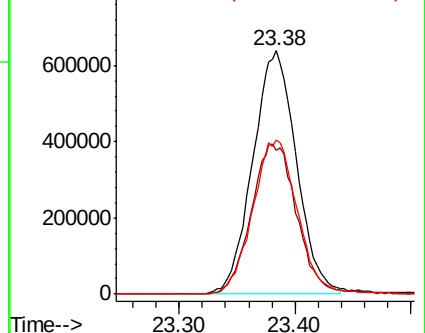
227 65.4 52.2 78.2

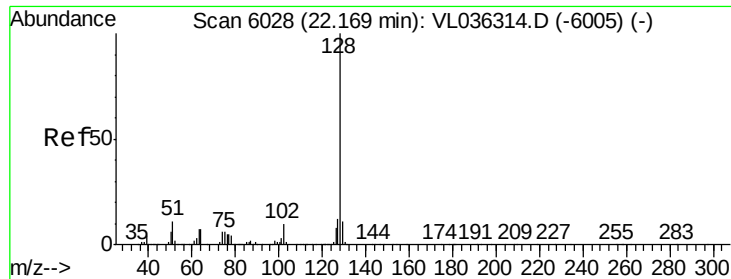


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 12.014 ppbv

RT: 22.20 min Scan# 6039

Delta R.T. 0.04 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

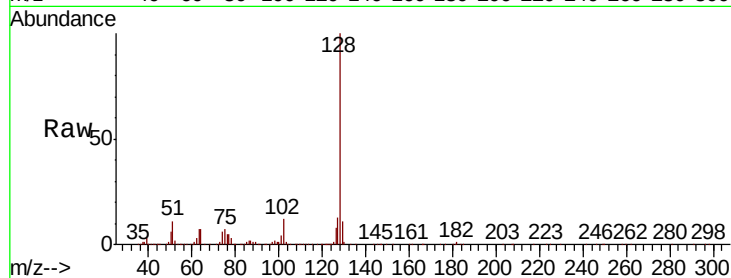
Tot Ion:128 Resp: 3208869

Ion Ratio Lower Upper

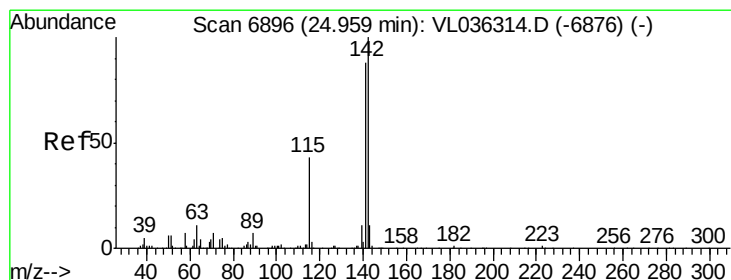
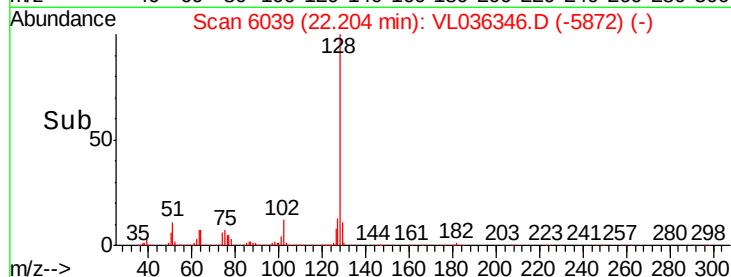
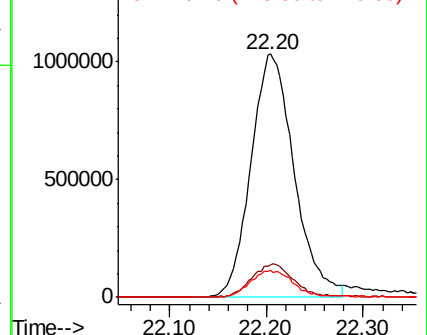
128 100

127 13.1 9.6 14.4

129 11.1 8.5 12.7



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: 20.384 ppbv

RT: 24.98 min Scan# 6902

Delta R.T. 0.02 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

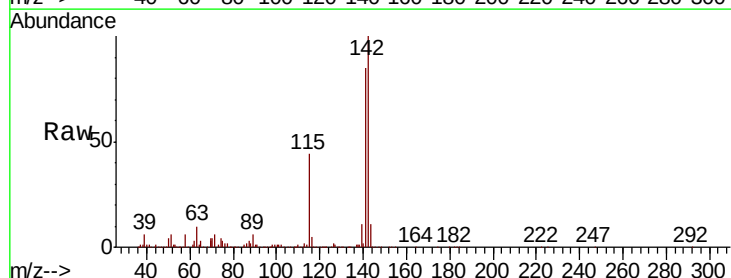
Tgt Ion:142 Resp: 1008075

Ion Ratio Lower Upper

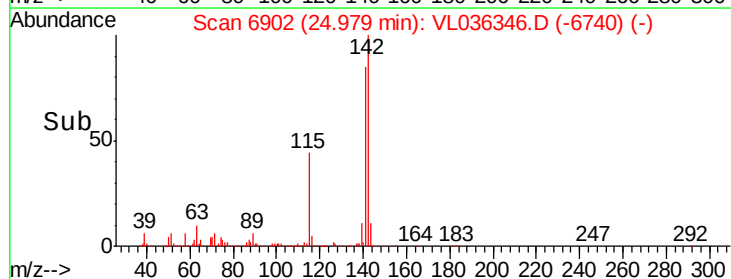
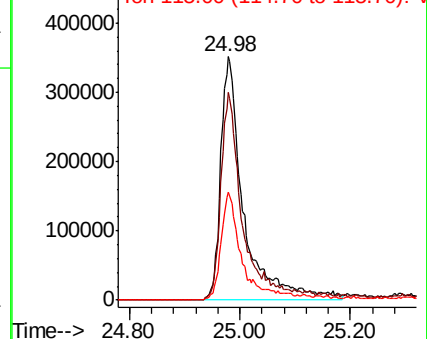
142 100

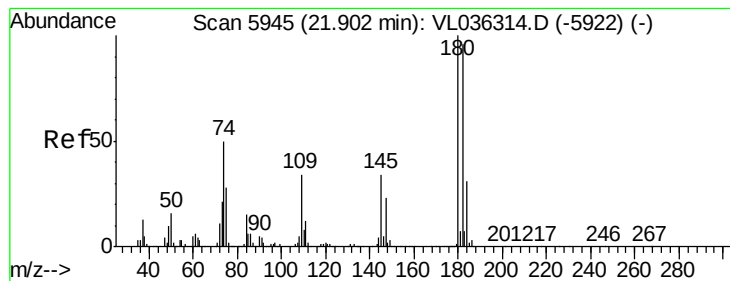
141 82.3 64.4 96.6

115 40.5 34.6 51.8



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





#81

1,2,4-Trichlorobenzene

Concen: 5.503 ppbv

RT: 21.93 min Scan# 5955

Delta R.T. 0.03 min

Lab File: VL036346.D

Acq: 24 Feb 2021 11:54

Instrument :

MSVOA_L

ClientSampleId :

VL0224ABS01

Tot Ion:180 Resp: 896724

Ion Ratio Lower Upper

180 100

182 188.6 80.2 120.4#

184 59.6 25.0 37.6#

