

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036216.D
 Acq On : 13 Jan 2021 6:24
 Operator : SY/AP
 Sample : VSTDIC015
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Quant Time: Jan 13 07:10:48 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jan 13 05:46:16 2021
 QLast Update : Wed Jan 13 05:46:16 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1517477	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3407171	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3321852	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2717176	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	2367072	13.286	ppbv 100
3) Chlorodifluoromethane	2.98	51	2518052	14.504	ppbv 98
4) Chloromethane	3.13	50	1245934	14.584	ppbv 96
5) Vinyl Chloride	3.25	62	1222702	12.986	ppbv 96
6) Bromomethane	3.47	94	666851	13.836	ppbv 98
7) Chloroethane	3.55	64	426552	13.451	ppbv 94
8) Dichlorotetrafluoroethane	3.18	85	2491913	12.861	ppbv 99
9) Propene	3.00	41	1181105	13.710	ppbv 97
10) Heptane	8.12	43	2960102	13.472	ppbv 99
11) Trichlorofluoromethane	3.94	101	2698597	13.208	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1691690	12.402	ppbv 100
13) Ethanol	3.60	45	167541	14.042	ppbv 85
14) Bromoethene	3.74	108	774084	13.692	ppbv 96
15) Acetone	3.84	43	2285611	12.727	ppbv 97
16) 1,3-Butadiene	3.32	39	1245219	13.737	ppbv 100
17) tert-Butyl alcohol	4.29	59	1596369	9.443	ppbv 100
18) 1,1-Dichloroethene	4.28	96	786879	12.987	ppbv 93
19) Isopropyl Alcohol	3.96	45	1182749	10.779	ppbv # 98
20) Methylene Chloride	4.34	84	690227	9.592	ppbv 96
21) Allyl Chloride	4.40	41	1393131	11.965	ppbv 95
22) trans-1,2-Dichloroethene	4.88	96	765656	12.701	ppbv 97
23) Vinyl Acetate	5.07	43	3214059	13.460	ppbv 99
24) 1,1-Dichloroethane	5.01	63	2209085	13.151	ppbv 99
25) Ethyl Acetate	5.67	43	4910783	13.663	ppbv 100
26) Hexane	5.68	57	1957270	12.107	ppbv 100
27) Carbon Disulfide	4.54	76	2002710	12.888	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	2820261	12.551	ppbv 97
29) Chloroform	5.75	83	3030502	14.151	ppbv 93
30) Cyclohexane	7.12	84	1647768	13.655	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	2116811	14.302	ppbv 97
32) 1,1,1-Trichloroethane	6.51	97	3018068	13.660	ppbv 99
34) 2-Butanone	5.24	43	3190106	13.945	ppbv 98
35) Carbon Tetrachloride	7.02	117	2991319	15.049	ppbv 99
36) Benzene	6.89	78	4098980	14.131	ppbv 97
37) 1,2-Dichloroethane	6.30	62	2579254	15.256	ppbv 100
38) Trichloroethene	7.83	130	1316461	12.290	ppbv 96
39) 1,2-Dichloropropane	7.61	63	1700817	14.808	ppbv 95
40) 1,4-Dioxane	7.83	88	476199	13.155	ppbv # 31
41) Tetrahydrofuran	6.04	42	1972841	14.705	ppbv 97
42) Bromodichloromethane	7.79	83	3313549	14.842	ppbv 97
43) Methyl Methacrylate	8.01	69	1884617	15.141	ppbv 99

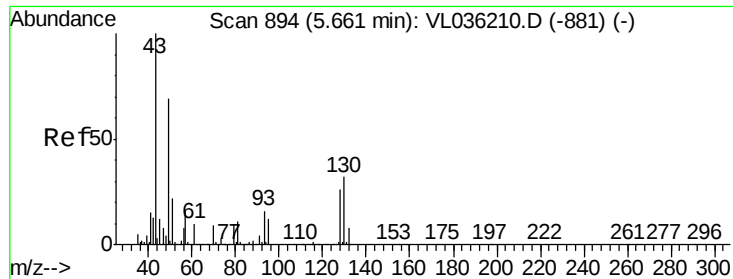
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036216.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	6884300	13.156	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	2127987	16.715	ppbv	95
46) cis-1,3-Dichloropropene	8.70	75	2472525	15.391	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1577359	14.240	ppbv	94
48) Dibromochloromethane	10.31	129	2619712	15.796	ppbv	100
49) Bromoform	13.05	173	2184737	16.664	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	4933410	14.498	ppbv	100
51) 2-Hexanone	10.13	43	4235271	15.707	ppbv #	100
52) Tetrachloroethene	11.22	164	1298165	12.451	ppbv	99
53) Toluene	9.80	91	4520017	13.892	ppbv	97
54) 1,2-Dibromoethane	10.61	107	2403743	14.480	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.12	131	1884458	13.693	ppbv #	69
57) Chlorobenzene	12.15	112	3136870	13.391	ppbv	96
58) Ethyl Benzene	12.71	91	6087161	13.284	ppbv	100
59) m/p-Xylene	13.00	91	5774715	14.990	ppbv #	49
60) o-Xylene	13.69	91	4664154	12.826	ppbv	99
61) Styrene	13.53	104	3498890	14.827	ppbv	99
62) Isopropylbenzene	14.67	105	7027060	12.990	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	3314626	13.423	ppbv	99
64) n-propylbenzene	15.56	120	1851084	14.135	ppbv	94
65) tert-Butylbenzene	16.75	119	5908489	13.281	ppbv	99
66) Benzyl Chloride	16.99	91	2296573	20.121	ppbv	99
67) sec-Butylbenzene	17.30	105	8465818	13.465	ppbv	99
69) p-Isopropyltoluene	17.66	119	7011920	14.007	ppbv	99
70) n-Butylbenzene	18.55	91	7504640	14.903	ppbv	99
71) 2-Chlorotoluene	15.45	91	5665314	13.710	ppbv	99
72) 4-Ethyltoluene	15.84	105	5647754	14.161	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	5288020	13.853	ppbv	98
74) 1,2,4-Trimethylbenzene	16.77	105	5161094	13.481	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2898848	15.003	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2925226	14.870	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2889695	15.434	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	2139511	14.469	ppbv	99
79) Naphthalene	22.20	128	4236197	20.673	ppbv	96
80) Naphthalene, 2-methyl-	24.98	142	1236134	29.527	ppbv	96
81) 1,2,4-Trichlorobenzene	21.93	180	1267961	9.741	ppbv #	40

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL036216.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

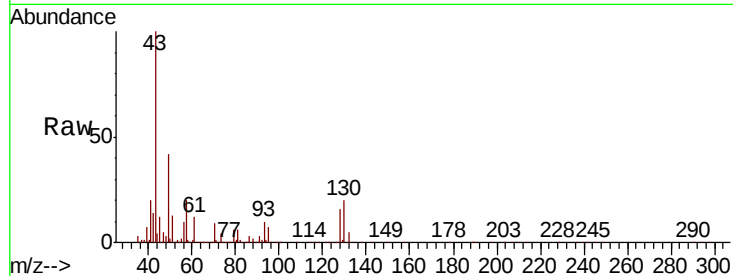
Tot Ion: 49 Resp: 1517477

Ion Ratio Lower Upper

49 100

128 39.5 20.1 60.2

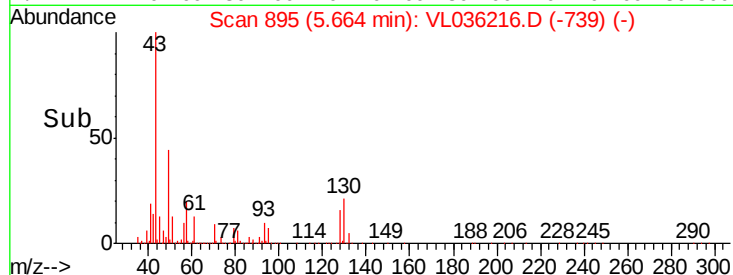
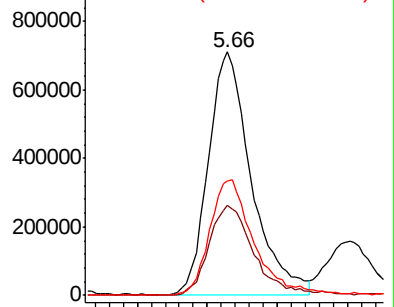
130 49.9 25.3 75.9



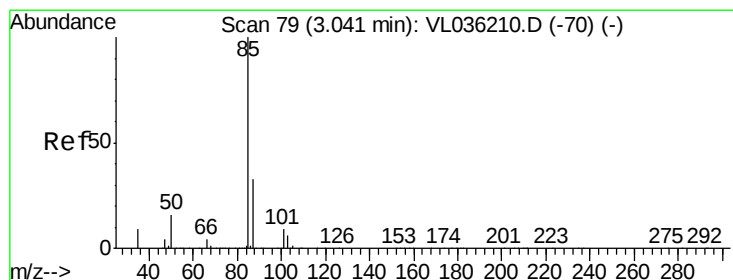
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 13.286 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.00 min

Lab File: VL036216.D

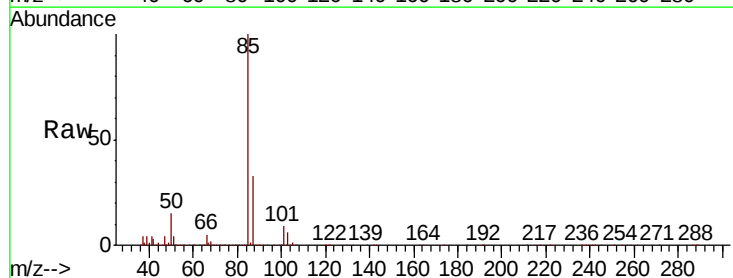
Acq: 13 Jan 2021 6:24

Tgt Ion: 85 Resp: 2367072

Ion Ratio Lower Upper

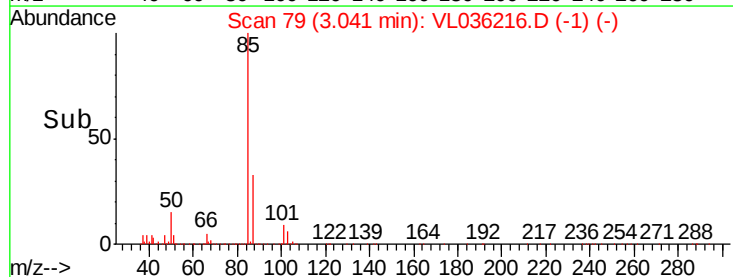
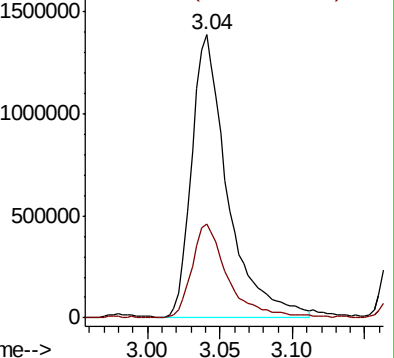
85 100

87 33.2 26.4 39.6

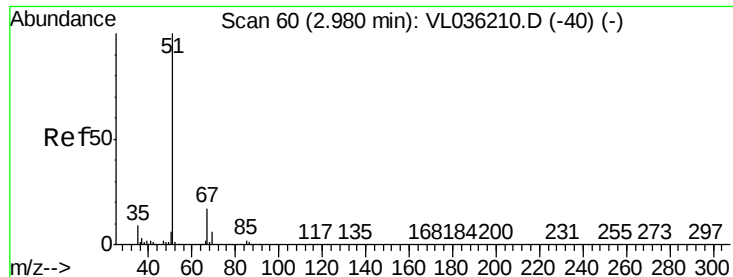


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 14.504 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

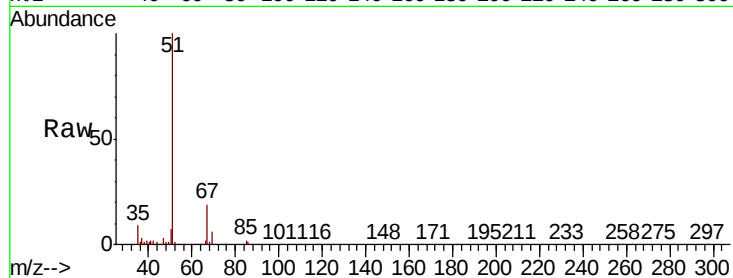
VSTDIC015

Tot Ion: 51 Resp: 2518052

Ion Ratio Lower Upper

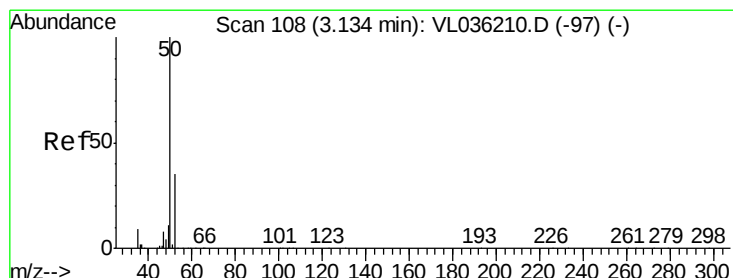
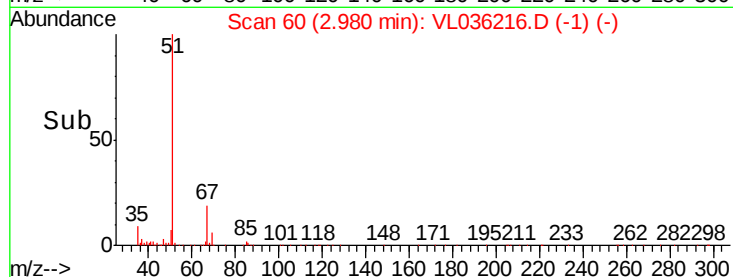
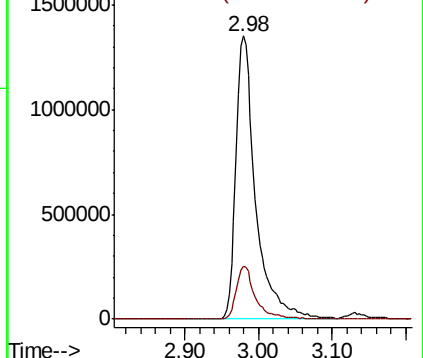
51 100

67 18.4 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 14.584 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.00 min

Lab File: VL036216.D

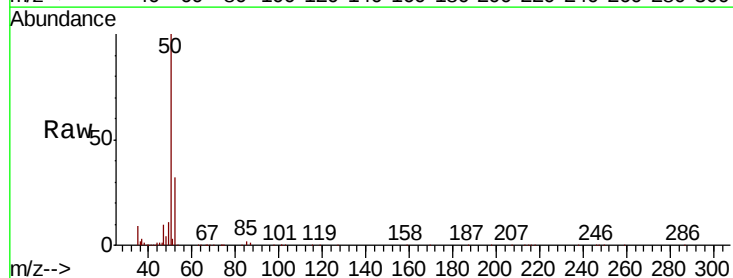
Acq: 13 Jan 2021 6:24

Tgt Ion: 50 Resp: 1245934

Ion Ratio Lower Upper

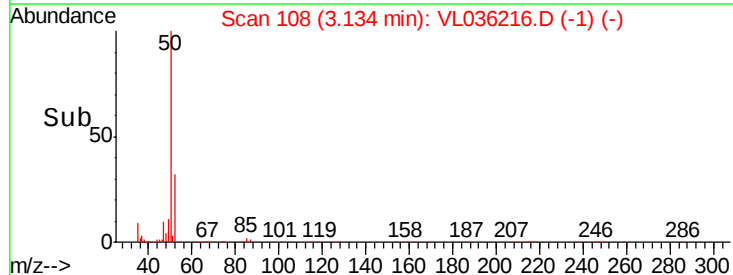
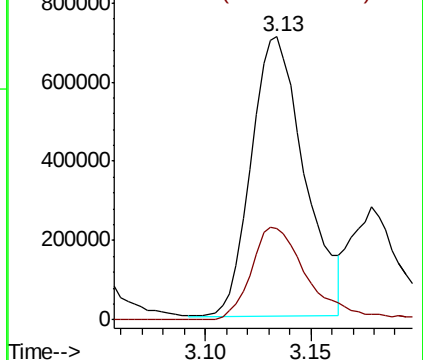
50 100

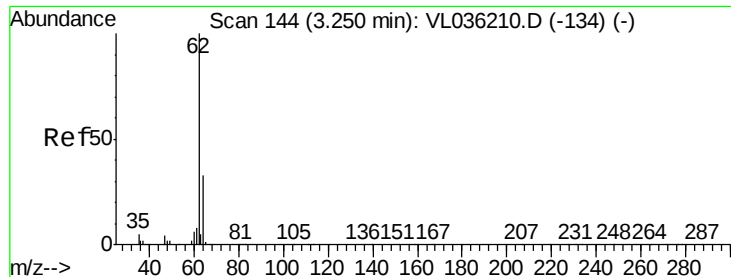
52 32.7 27.8 41.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 12.986 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

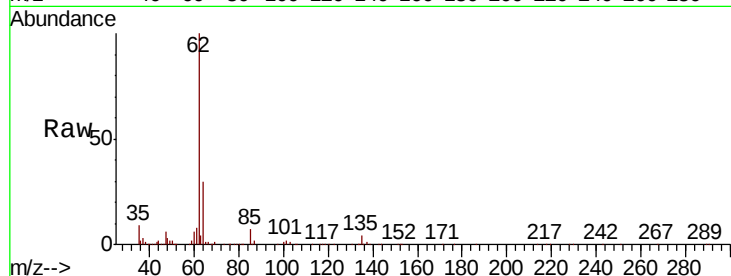
MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 62 Resp: 1222702

Ion	Ratio	Lower	Upper
62	100		
64	30.3	26.2	39.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

600000

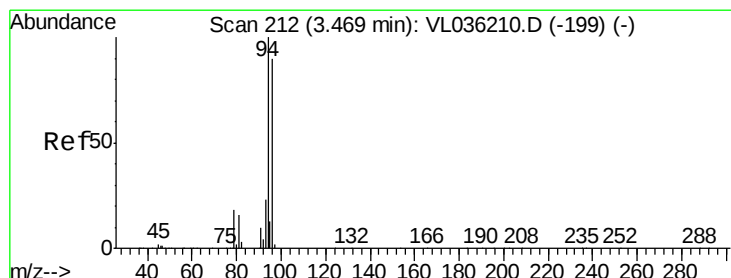
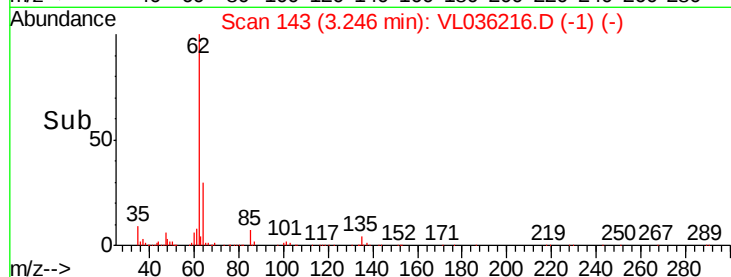
400000

200000

0

3.20 3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 13.836 ppbv

RT: 3.47 min Scan# 211

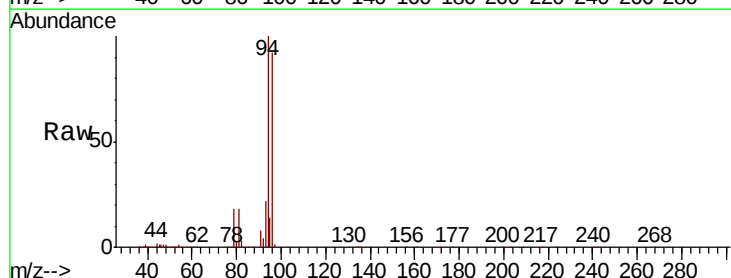
Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion: 94 Resp: 666851

Ion	Ratio	Lower	Upper
94	100		
96	91.6	71.9	107.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

400000

300000

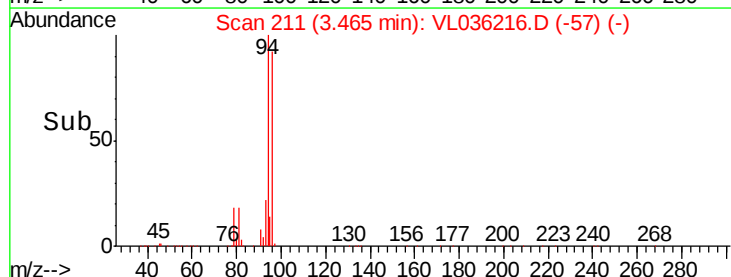
200000

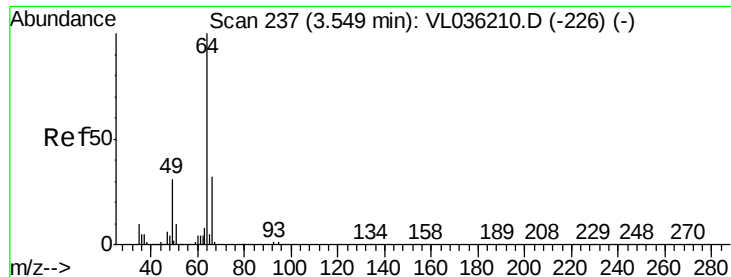
100000

0

3.40 3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 13.451 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

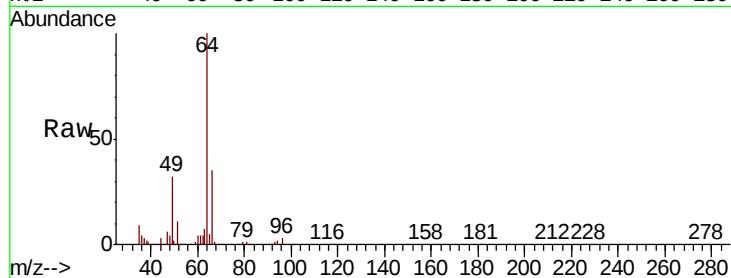
VSTDIC015

Tot Ion: 64 Resp: 426552

Ion Ratio Lower Upper

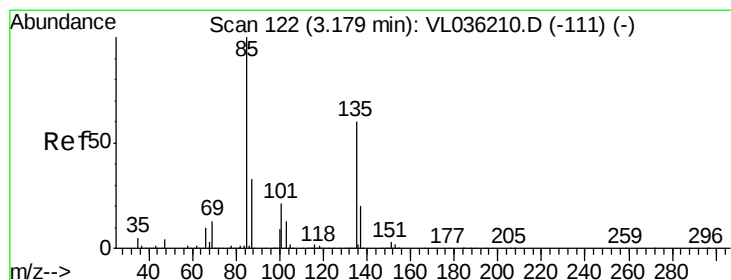
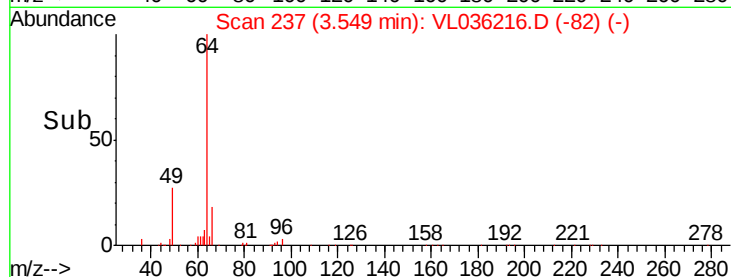
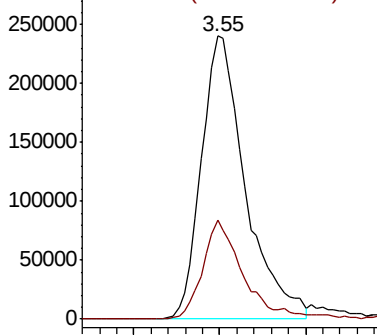
64 100

66 35.1 25.2 37.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 12.861 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.00 min

Lab File: VL036216.D

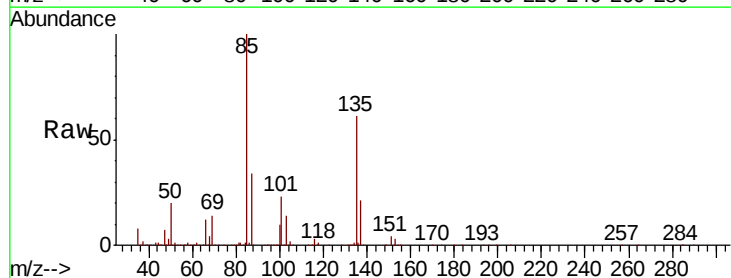
Acq: 13 Jan 2021 6:24

Tgt Ion: 85 Resp: 2491913

Ion Ratio Lower Upper

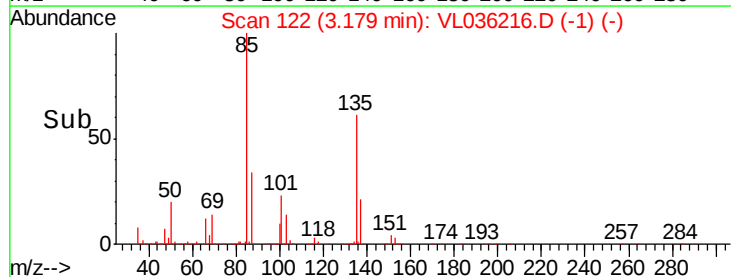
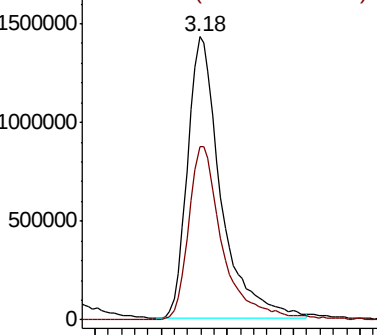
85 100

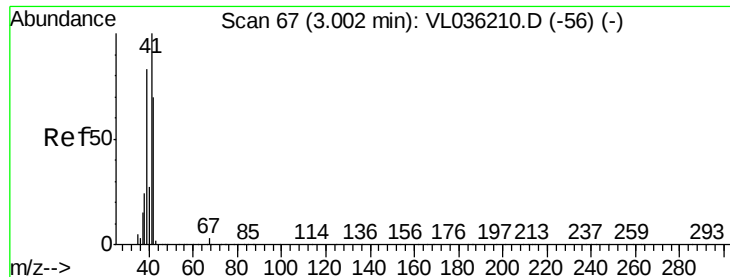
135 63.9 51.5 77.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 13.710 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

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ClientSampleId :

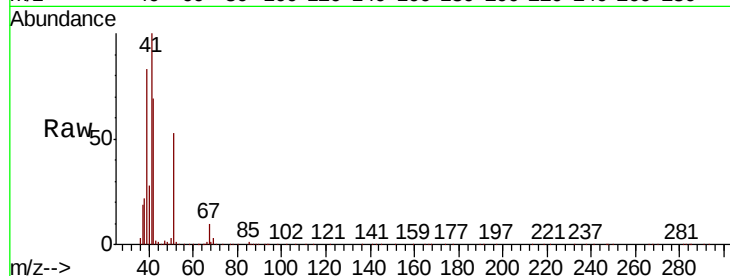
VSTDIC015

Tot Ion: 41 Resp: 1181105

Ion Ratio Lower Upper

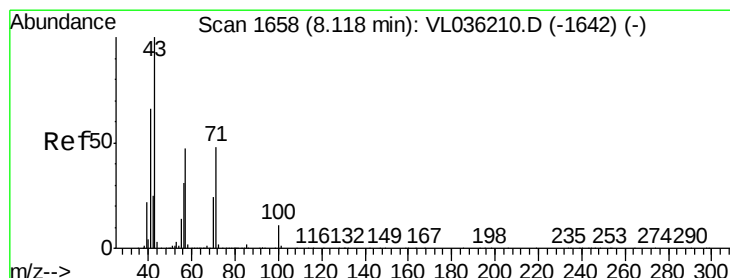
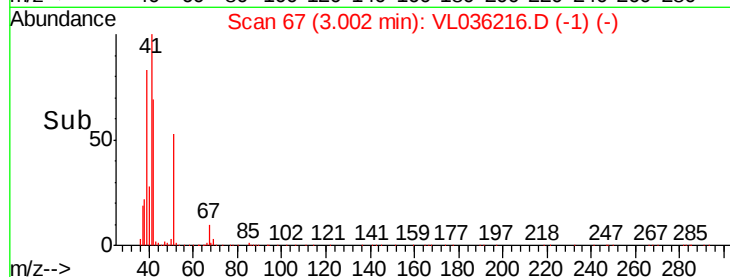
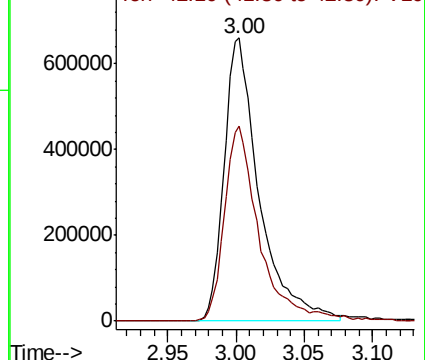
41 100

42 69.2 57.1 85.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 13.472 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VL036216.D

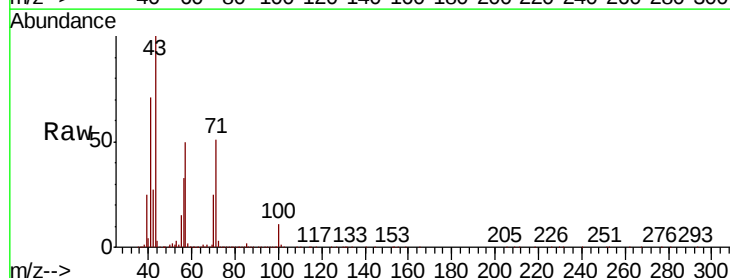
Acq: 13 Jan 2021 6:24

Tgt Ion: 43 Resp: 2960102

Ion Ratio Lower Upper

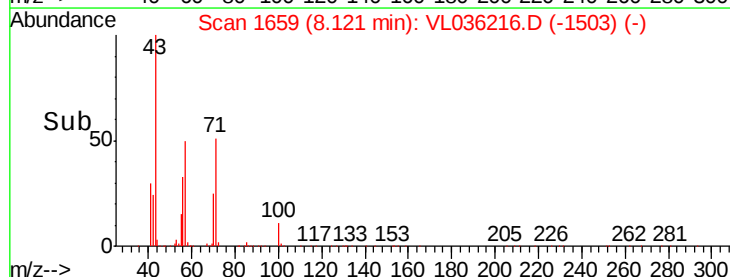
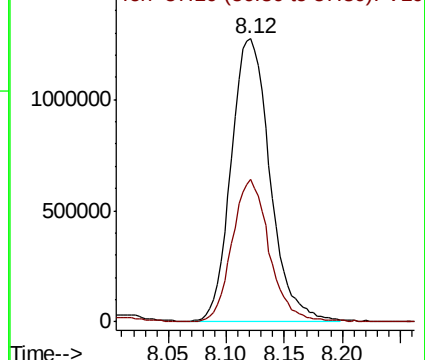
43 100

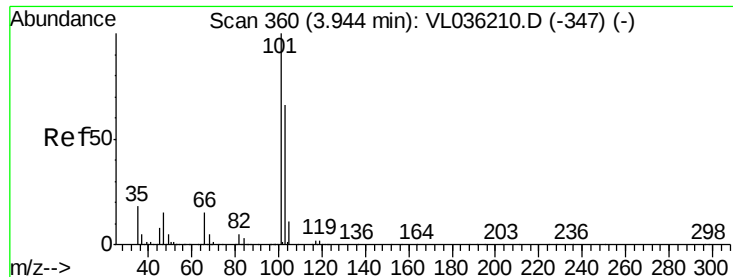
57 48.4 38.1 57.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

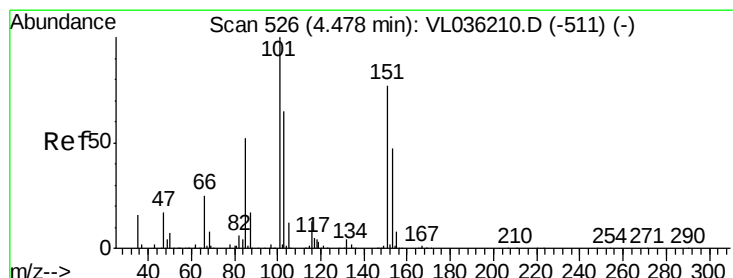
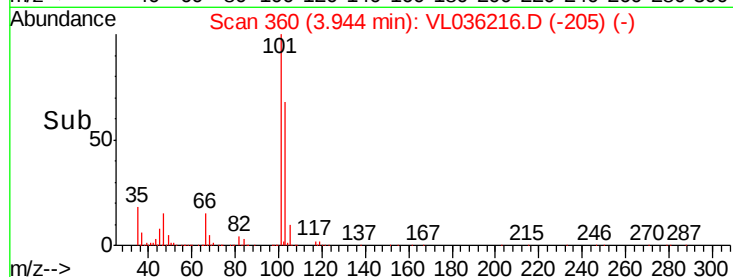
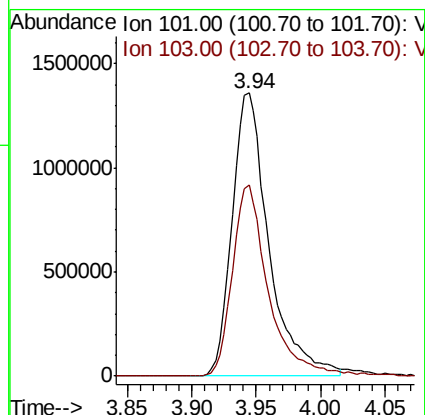
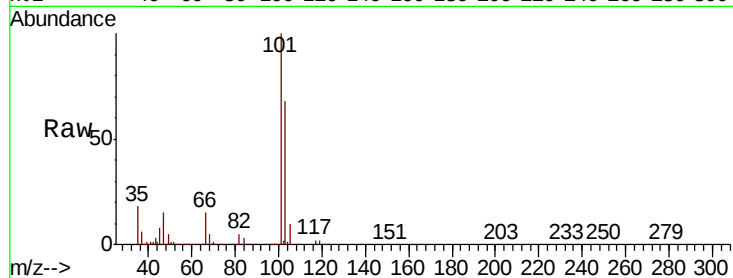




#11
 Trichlorofluoromethane
 Concen: 13.208 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

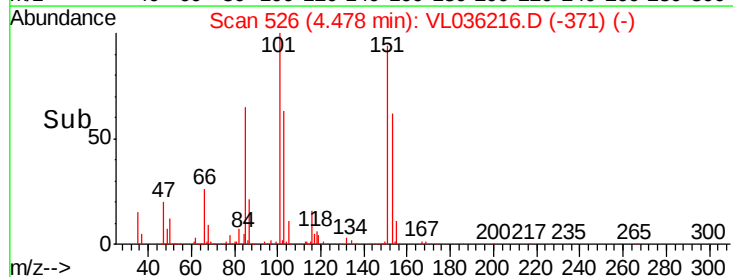
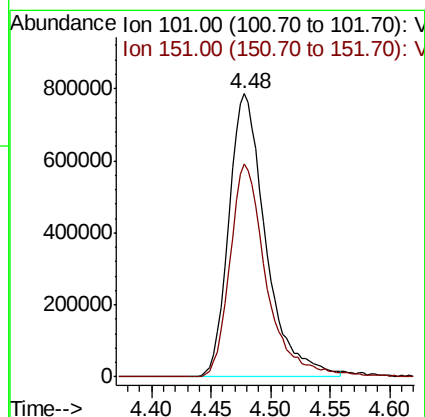
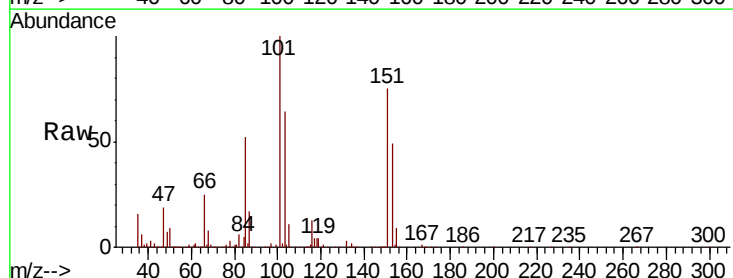
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

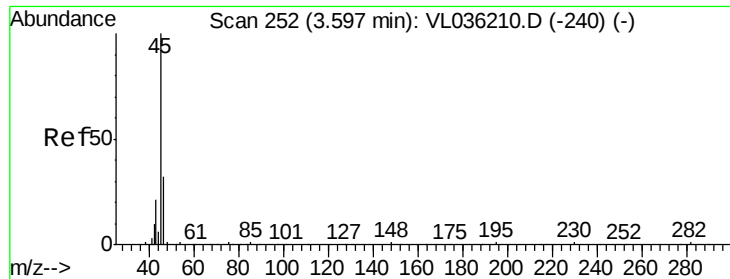
Tot Ion:101 Resp: 2698597
 Ion Ratio Lower Upper
 101 100
 103 67.6 52.6 78.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 12.402 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion:101 Resp: 1691690
 Ion Ratio Lower Upper
 101 100
 151 74.7 59.8 89.6





#13

Ethanol

Concen: 14.042 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

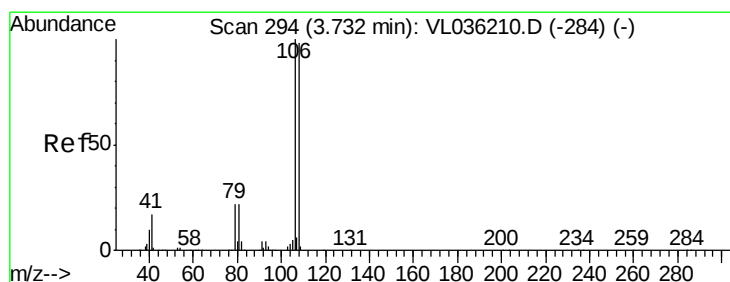
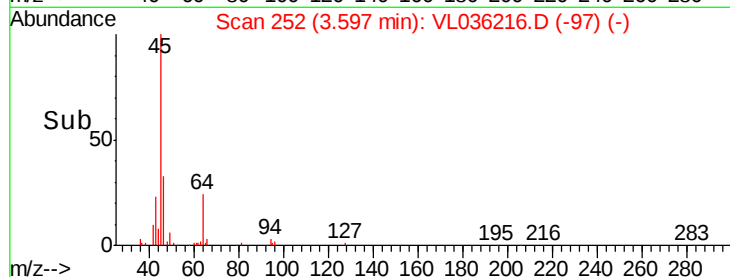
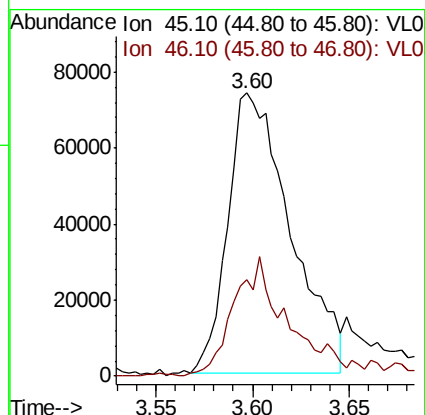
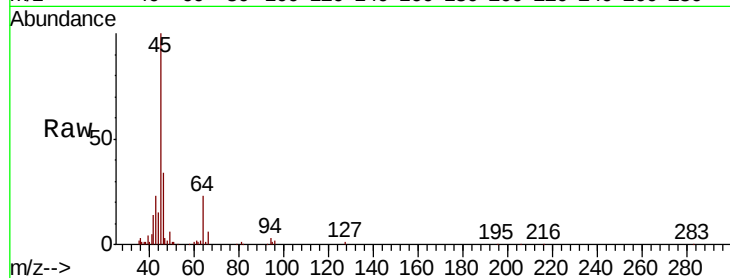
VSTDIC015

Tot Ion: 45 Resp: 167541

Ion Ratio Lower Upper

45 100

46 38.3 19.2 77.0



#14

Bromoethene

Concen: 13.692 ppbv

RT: 3.74 min Scan# 295

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

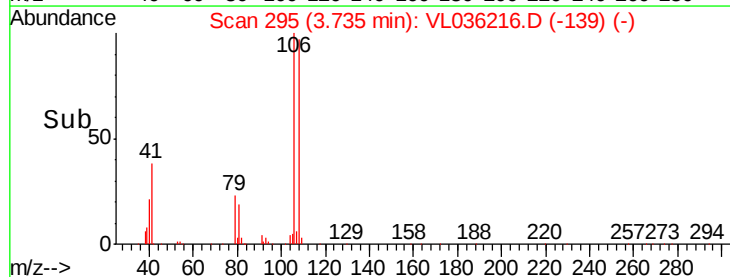
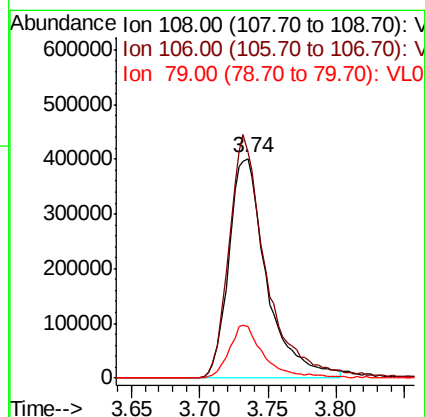
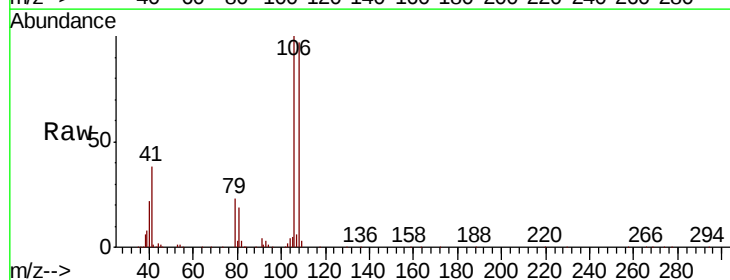
Tgt Ion: 108 Resp: 774084

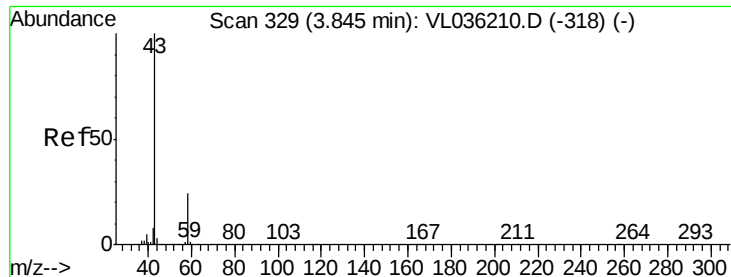
Ion Ratio Lower Upper

108 100

106 109.7 91.4 137.2

79 22.9 18.3 27.5





#15

Acetone

Concen: 12.727 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

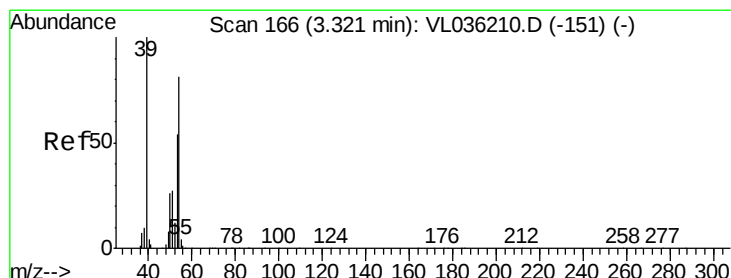
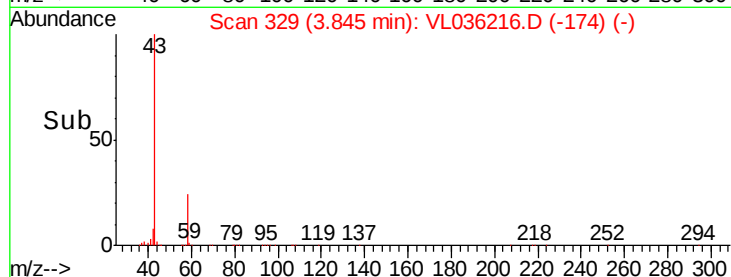
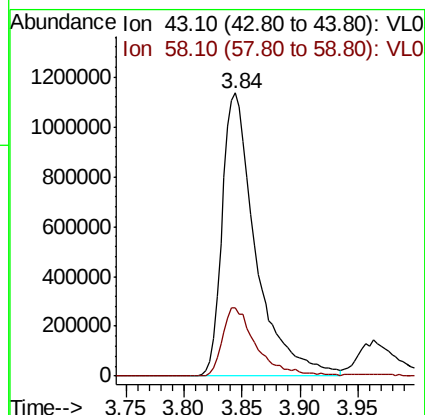
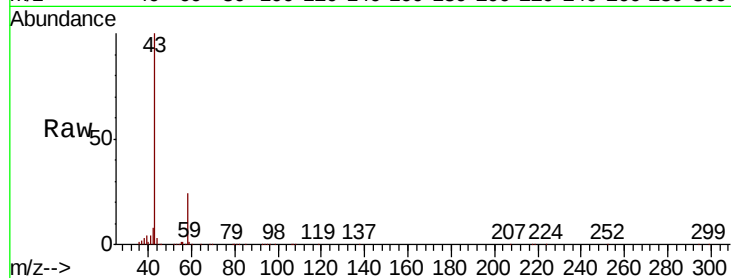
VSTDIC015

Tot Ion: 43 Resp: 2285611

Ion Ratio Lower Upper

43 100

58 24.5 20.9 31.3



#16

1,3-Butadiene

Concen: 13.737 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL036216.D

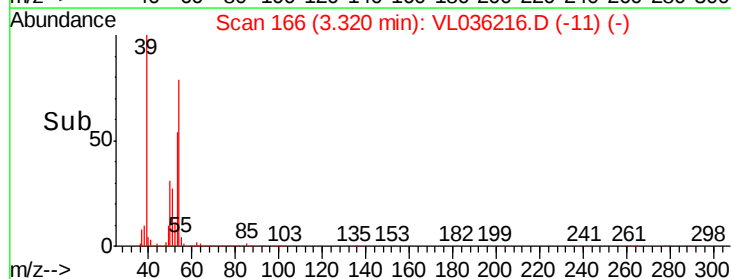
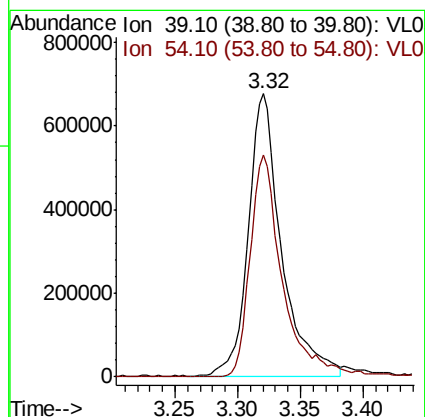
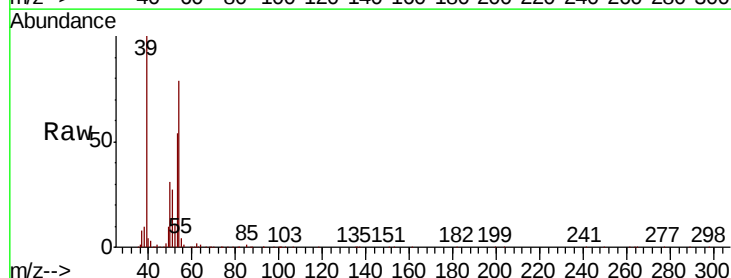
Acq: 13 Jan 2021 6:24

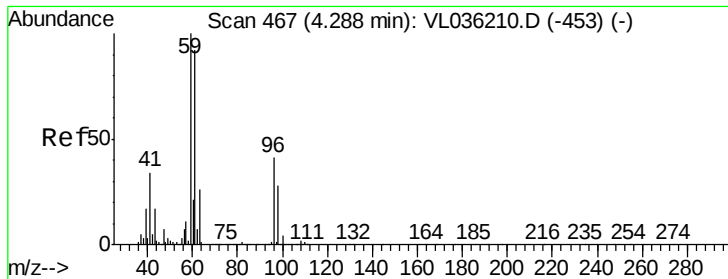
Tgt Ion: 39 Resp: 1245219

Ion Ratio Lower Upper

39 100

54 77.9 62.5 93.7



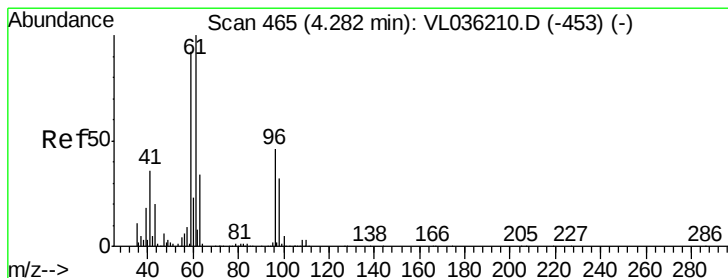
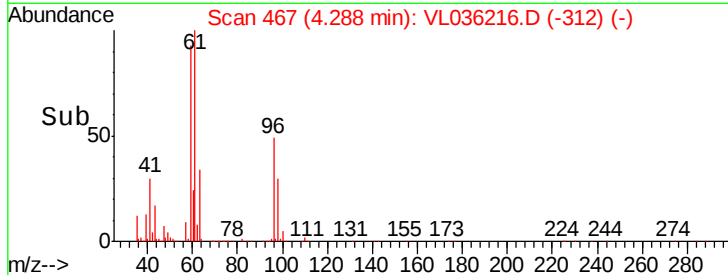
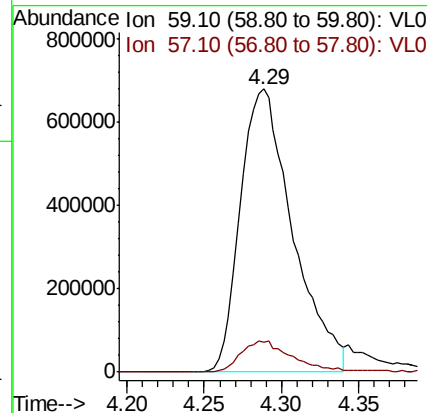
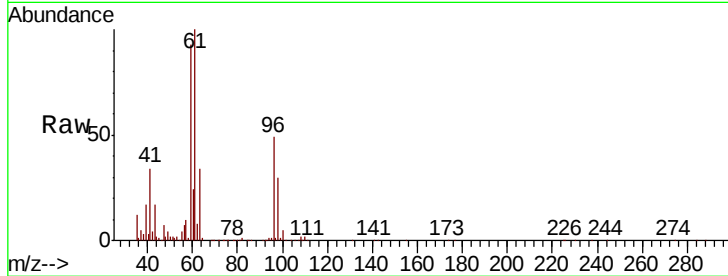


#17

tert-Butyl alcohol
 Concen: 9.443 ppbv
 RT: 4.29 min Scan# 467
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

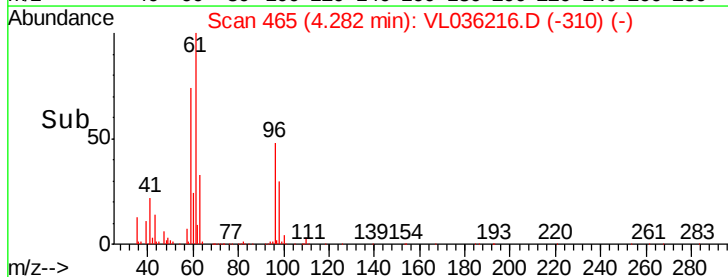
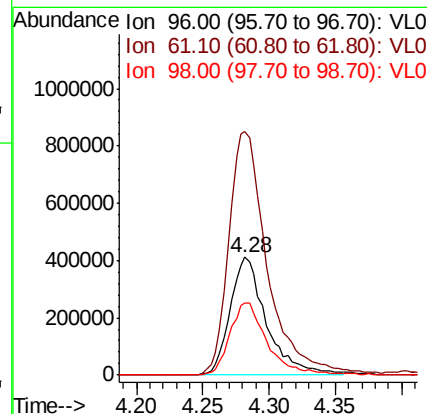
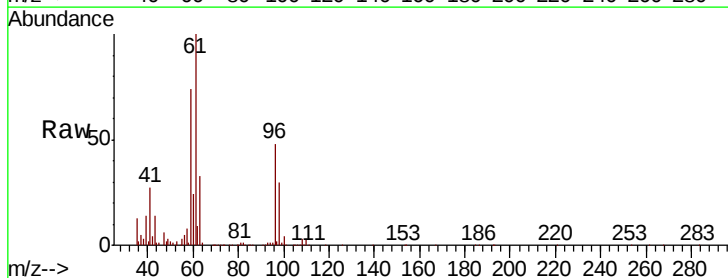
Tot Ion: 59 Resp: 1596369
 Ion Ratio Lower Upper
 59 100
 57 11.6 9.2 13.8

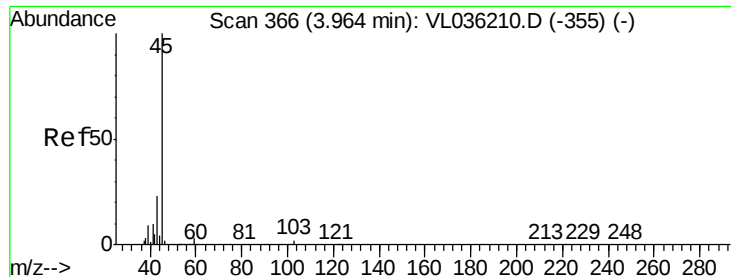


#18

1,1-Dichloroethene
 Concen: 12.987 ppbv
 RT: 4.28 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion: 96 Resp: 786879
 Ion Ratio Lower Upper
 96 100
 61 206.3 173.4 260.0
 98 61.0 54.9 82.3





#19

Isopropyl Alcohol

Concen: 10.779 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

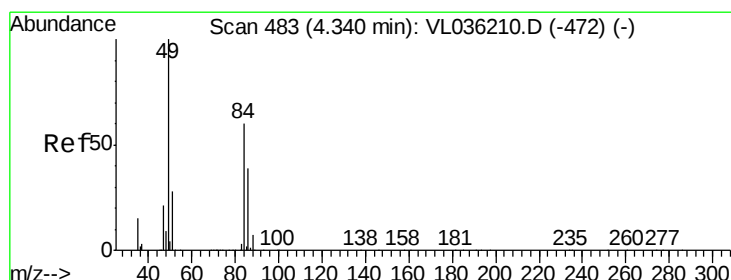
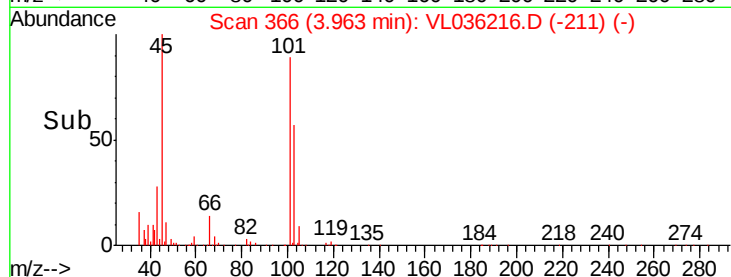
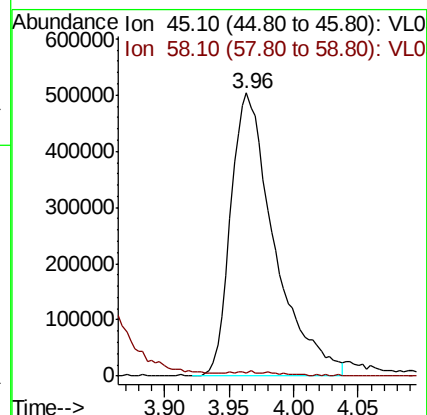
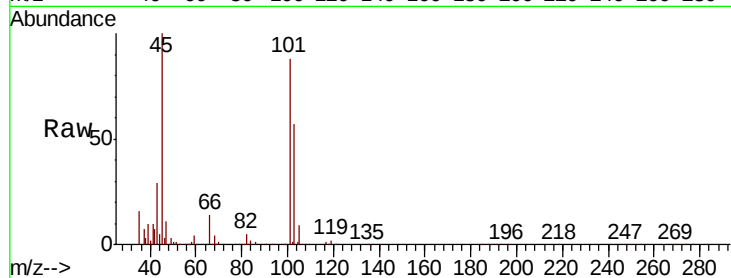
VSTDIC015

Tot Ion: 45 Resp: 1182749

Ion Ratio Lower Upper

45 100

58 1.9 1.9 2.9#



#20

Methylene Chloride

Concen: 9.592 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion: 84 Resp: 690227

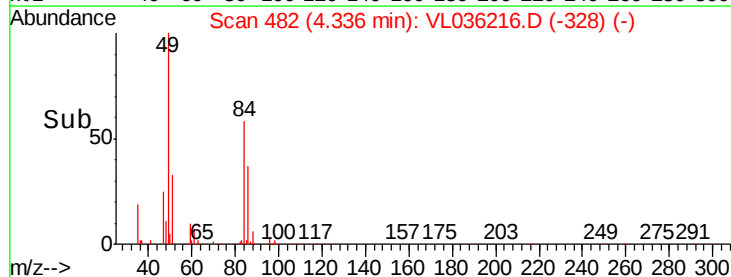
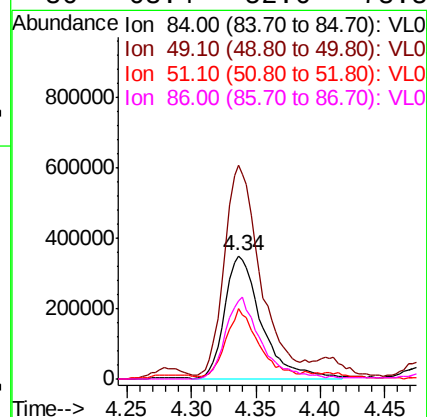
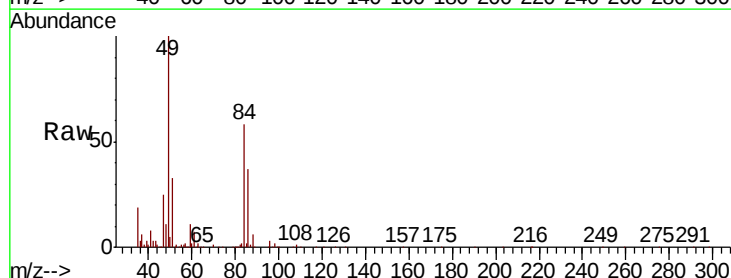
Ion Ratio Lower Upper

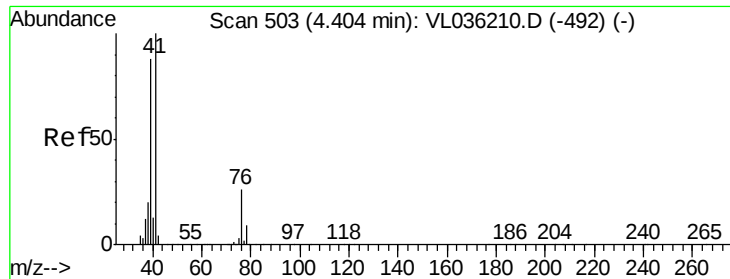
84 100

49 170.7 134.1 201.1

51 54.4 37.4 56.0

86 63.4 52.6 78.8

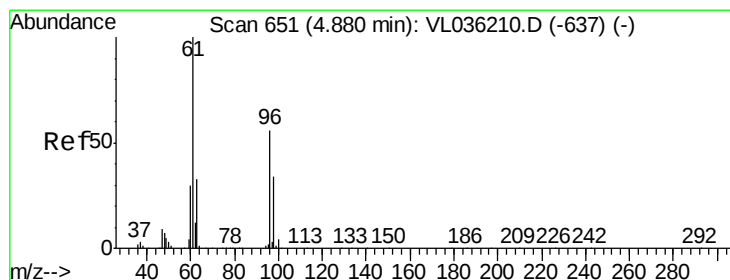
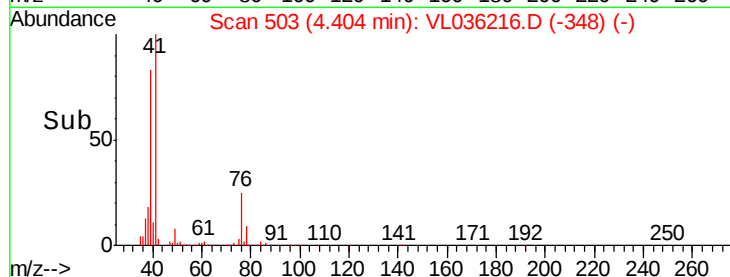
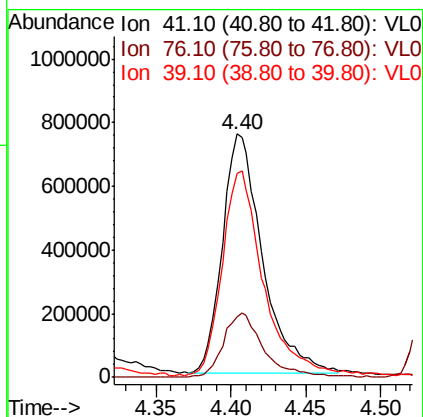
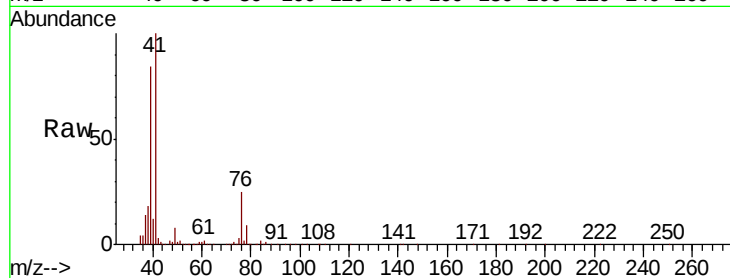




#21
Allvl Chloride
Concen: 11.965 ppbv
RT: 4.40 min Scan# 503
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

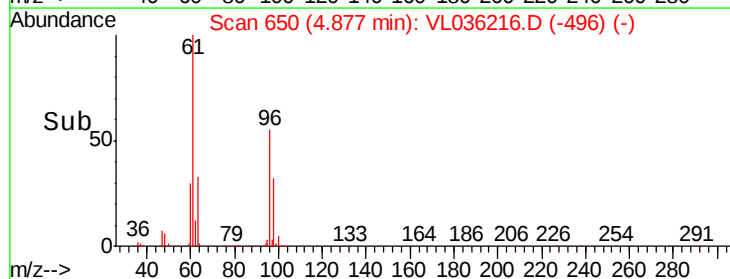
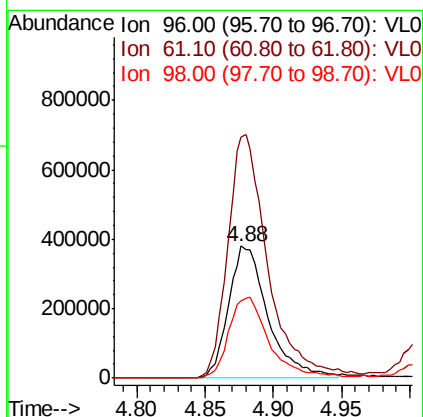
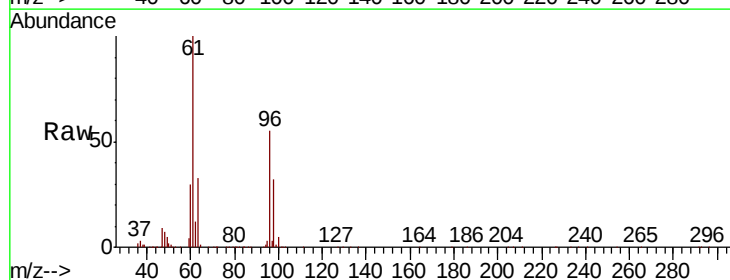
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

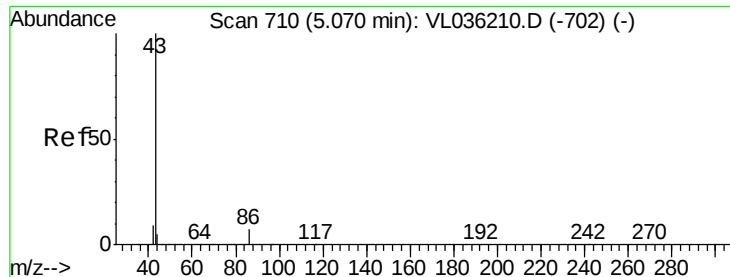
Tot Ion: 41 Resp: 1393131
Ion Ratio Lower Upper
41 100
76 27.3 20.5 30.7
39 89.7 67.8 101.8



#22
trans-1,2-Dichloroethene
Concen: 12.701 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 96 Resp: 765656
Ion Ratio Lower Upper
96 100
61 182.8 142.7 214.1
98 59.0 48.7 73.1





#23

Vinyl Acetate

Concen: 13.460 ppbv

RT: 5.07 min Scan# 710

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

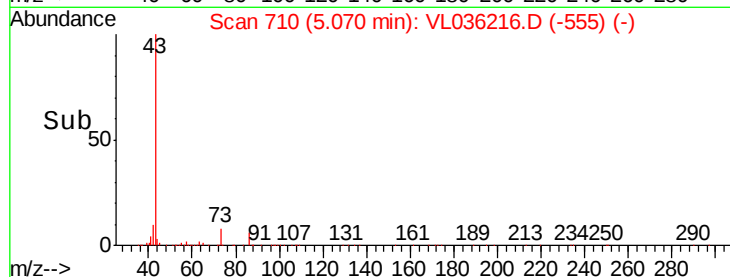
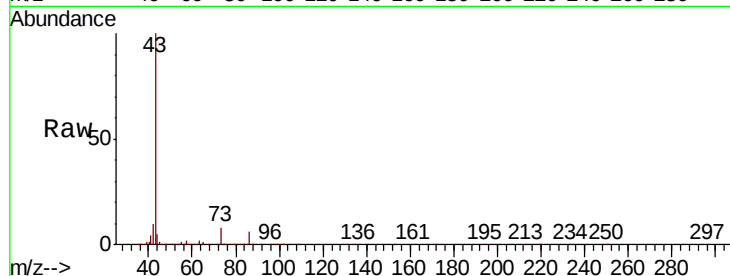
MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 43 Resp: 3214059

Ion	Ratio	Lower	Upper
43	100		
86	6.3	4.9	7.3
42	9.7	7.8	11.6
44	5.4	3.7	5.5

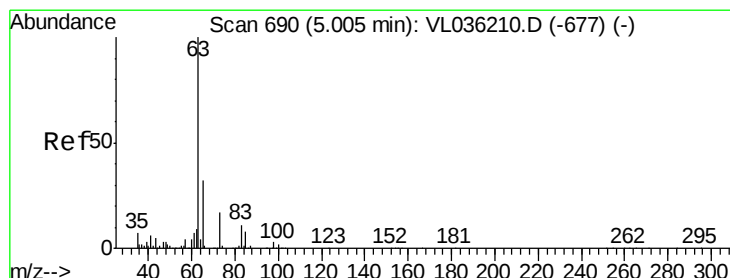


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 13.151 ppbv

RT: 5.01 min Scan# 690

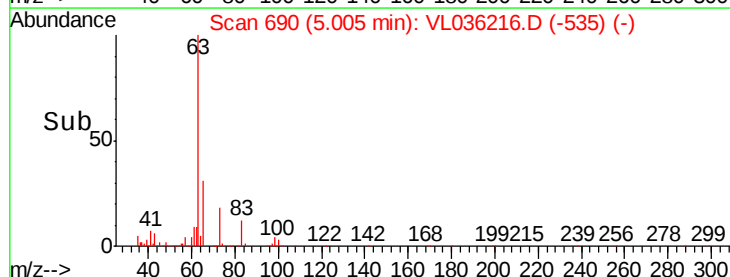
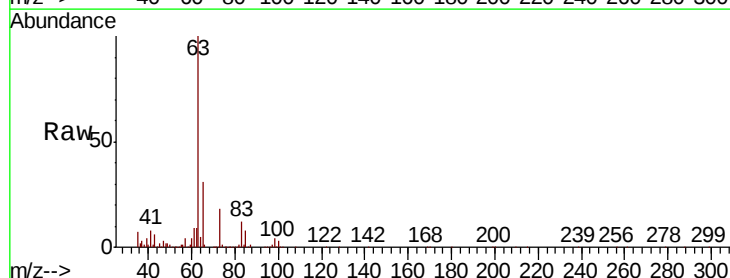
Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion: 63 Resp: 2209085

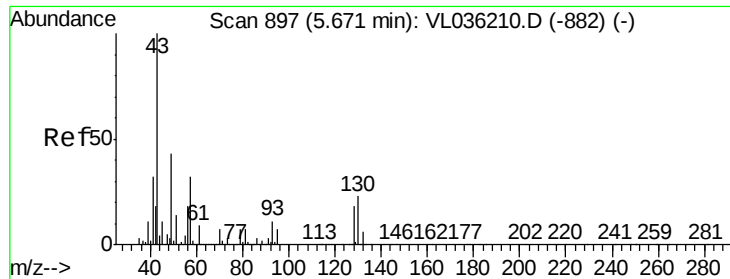
Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.7	5.1
100	2.7	1.1	3.1



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

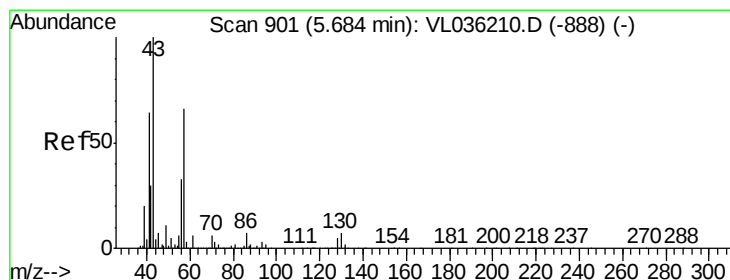
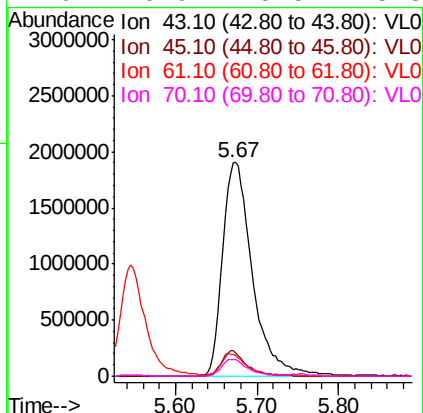
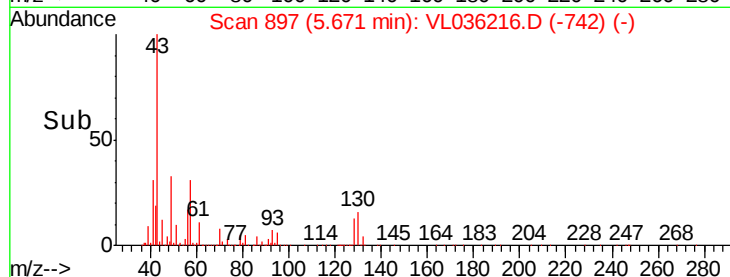
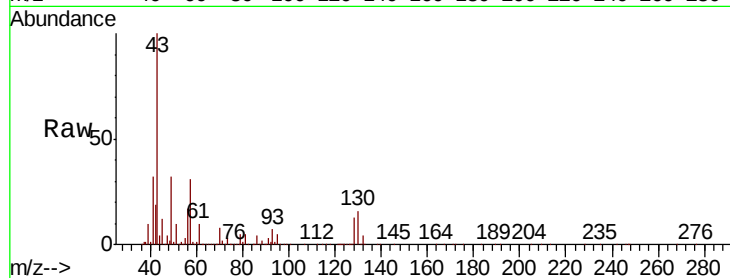


#25
Ethyl Acetate
Concen: 13.663 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tot Ion: 43 Resp: 4910783

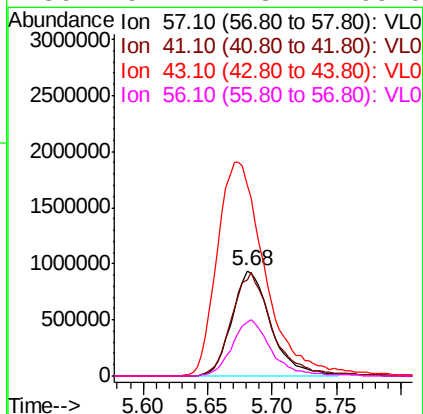
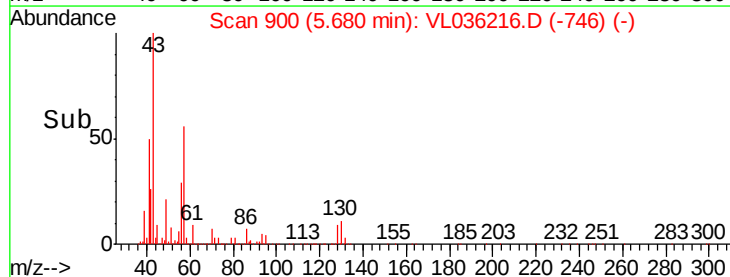
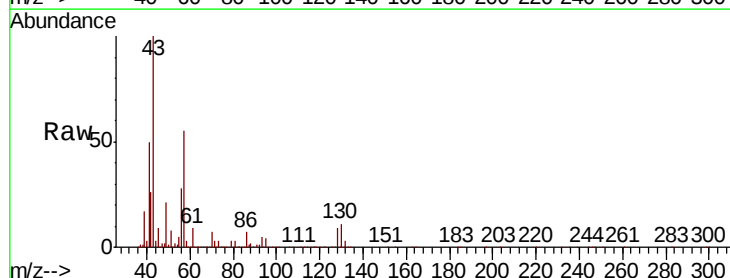
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.3	12.5
61	9.5	7.4	11.2
70	6.9	5.5	8.3

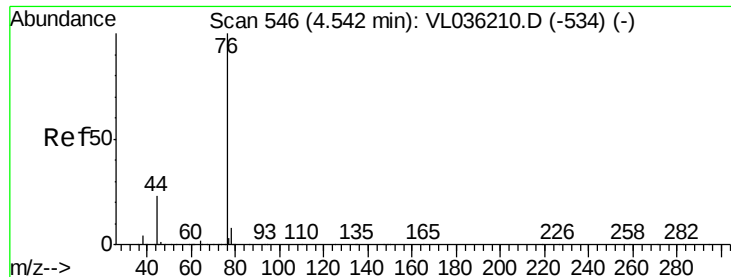


#26
Hexane
Concen: 12.107 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 57 Resp: 1957270

Ion	Ratio	Lower	Upper
57	100		
41	103.6	83.0	124.6
43	251.9	202.4	303.6
56	54.2	43.4	65.0





#27

Carbon Disulfide

Concen: 12.888 ppbv

RT: 4.54 min Scan# 546

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

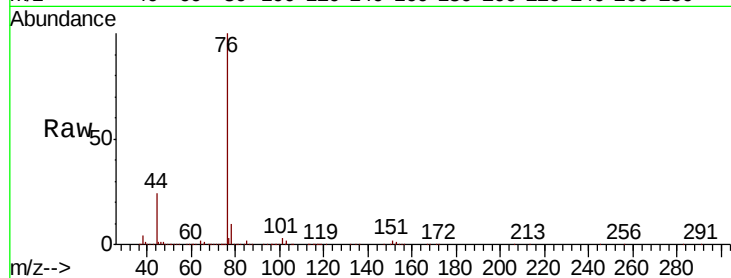
MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 76 Resp: 2002710

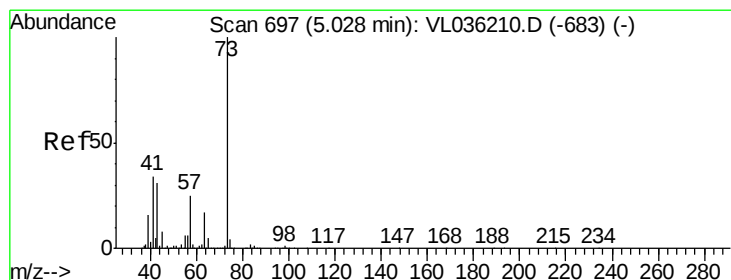
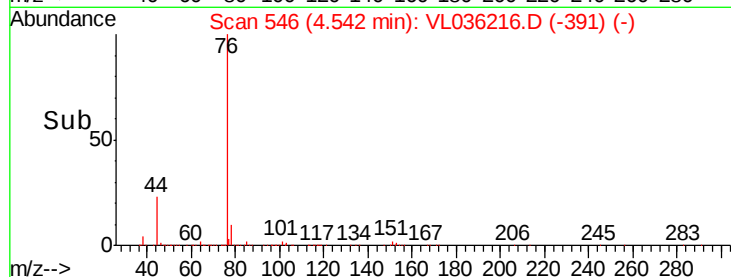
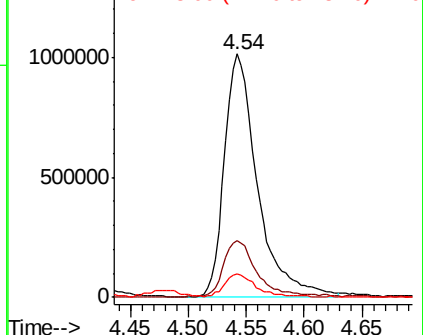
Ion	Ratio	Lower	Upper
76	100		
44	23.9	19.0	28.6
78	9.3	8.0	12.0



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: 12.551 ppbv

RT: 5.03 min Scan# 697

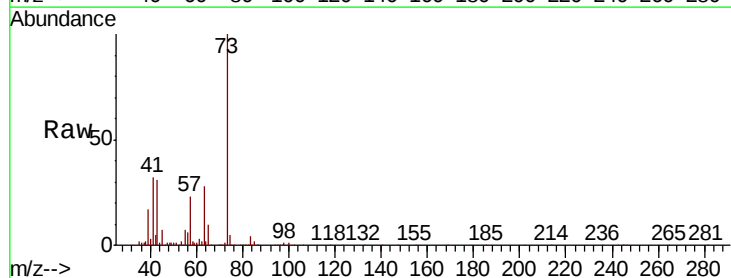
Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

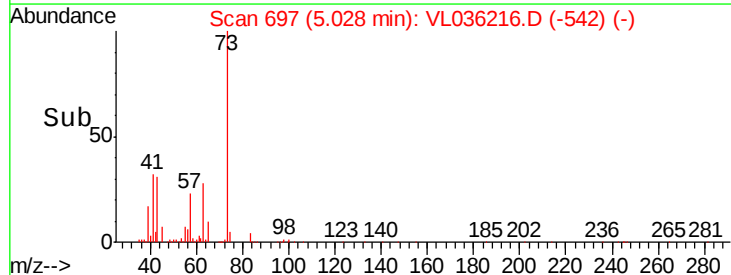
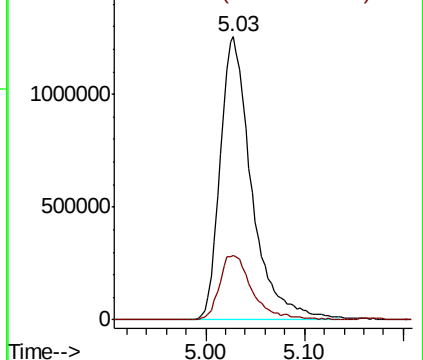
Tgt Ion: 73 Resp: 2820261

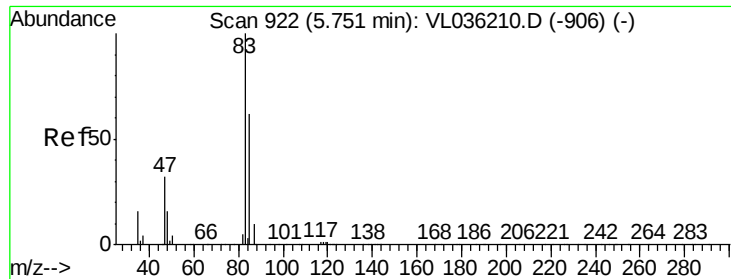
Ion	Ratio	Lower	Upper
73	100		
57	23.8	20.4	30.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 14.151 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

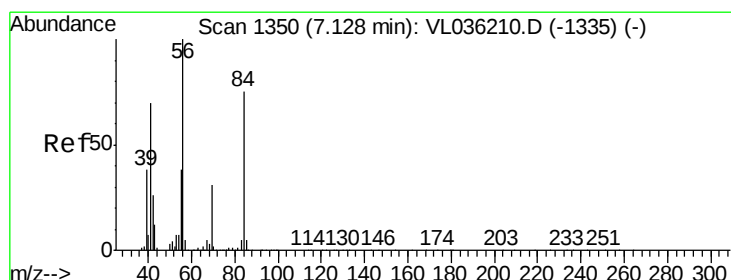
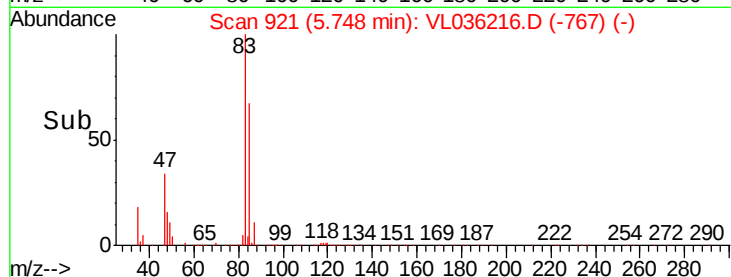
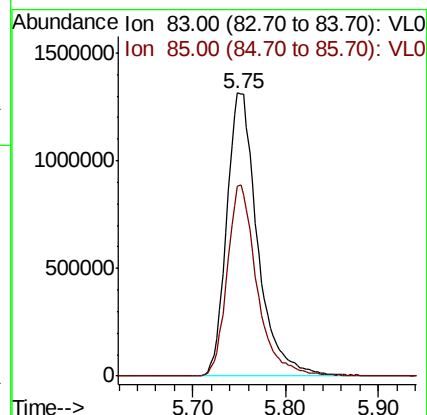
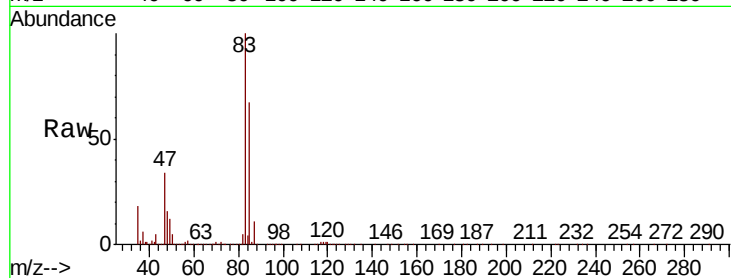
VSTDIC015

Tot Ion: 83 Resp: 3030502

Ion Ratio Lower Upper

83 100

85 66.7 49.3 73.9



#30

Cyclohexane

Concen: 13.655 ppbv

RT: 7.12 min Scan# 1349

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

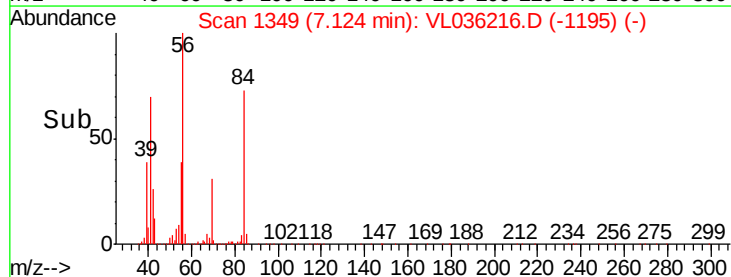
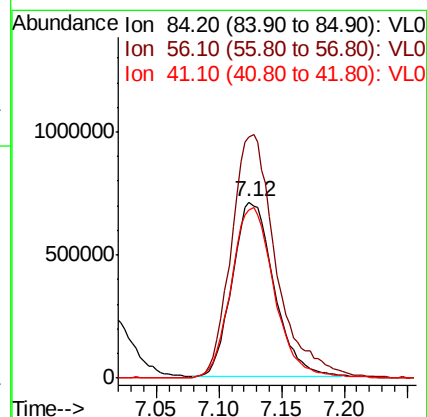
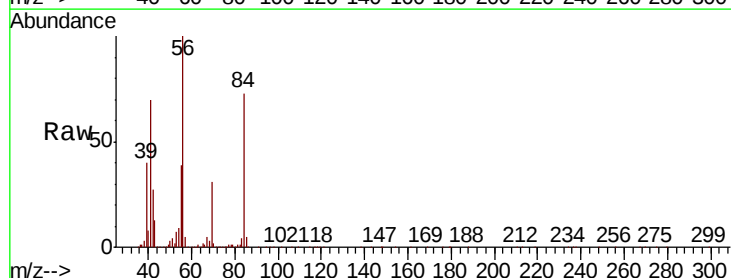
Tgt Ion: 84 Resp: 1647768

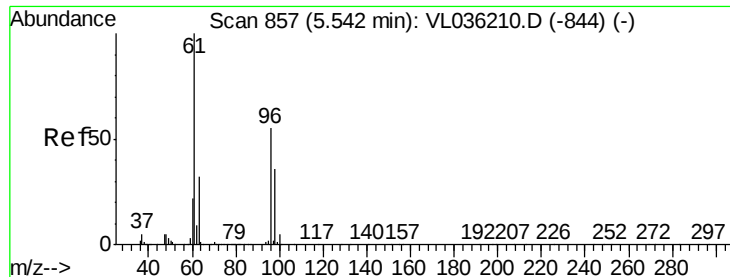
Ion Ratio Lower Upper

84 100

56 149.8 119.4 179.0

41 101.1 79.4 119.0



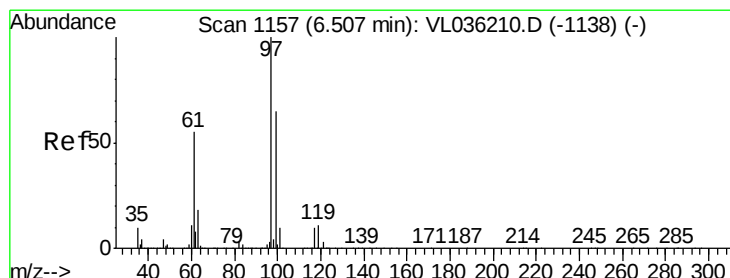
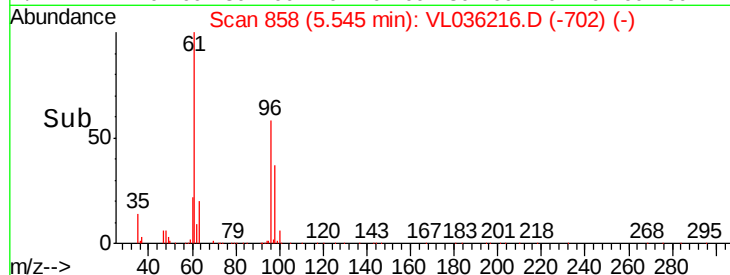
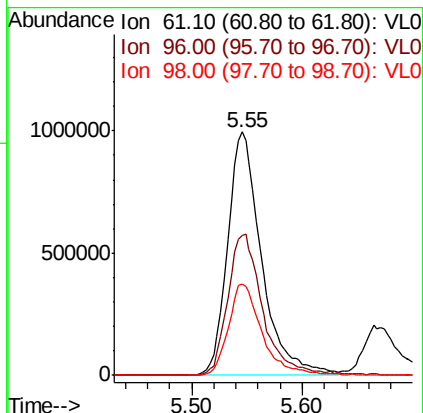
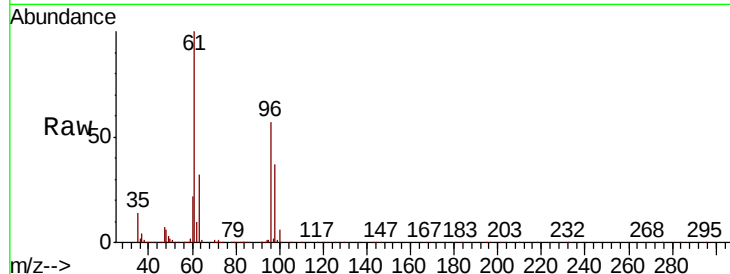


#31

cis-1,2-Dichloroethene
 Concen: 14.302 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

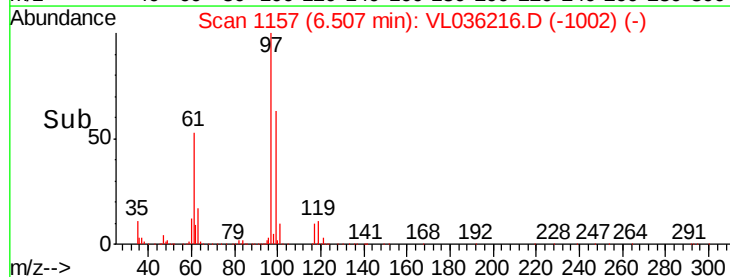
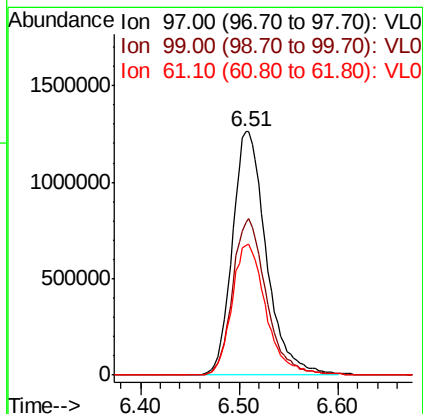
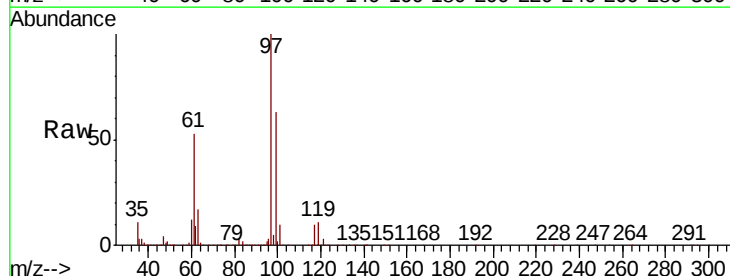
Tot Ion: 61 Resp: 2116811
 Ion Ratio Lower Upper
 61 100
 96 57.4 44.1 66.1
 98 37.3 28.6 42.8

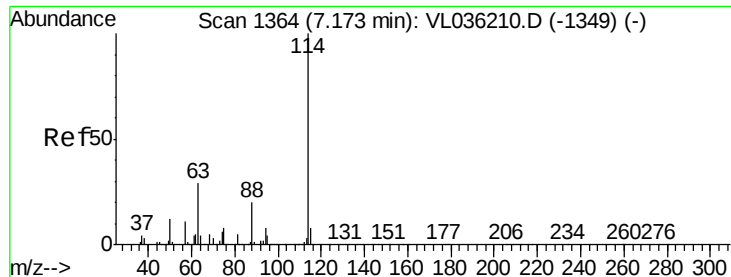


#32

1,1,1-Trichloroethane
 Concen: 13.660 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion: 97 Resp: 3018068
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.0 78.0
 61 54.5 43.6 65.4

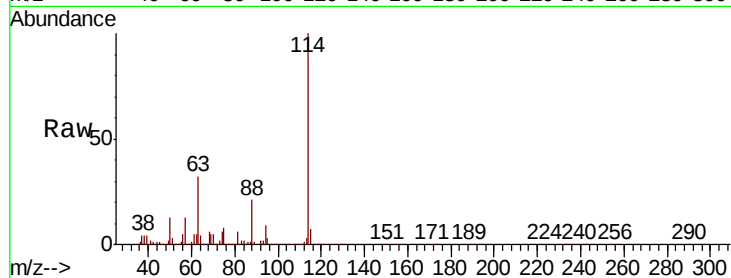




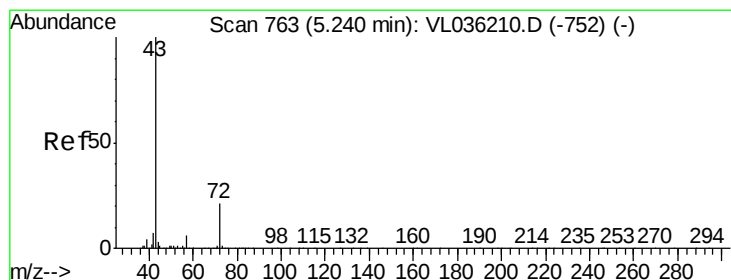
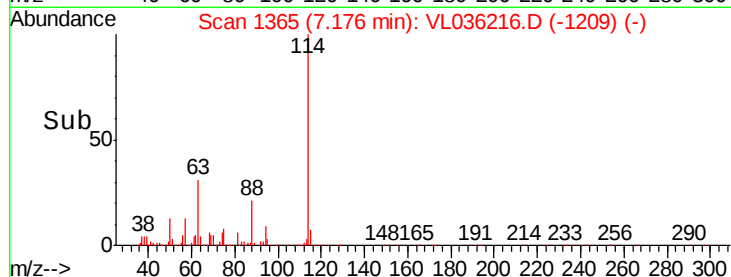
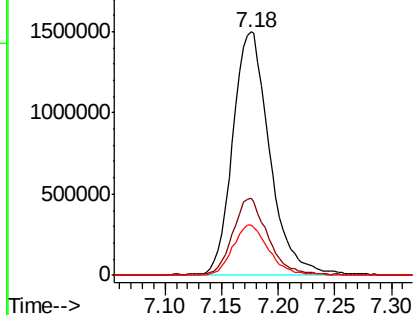
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:114 Resp: 3407171
 Ion Ratio Lower Upper
 114 100
 63 30.8 24.7 37.1
 88 20.4 16.6 24.8

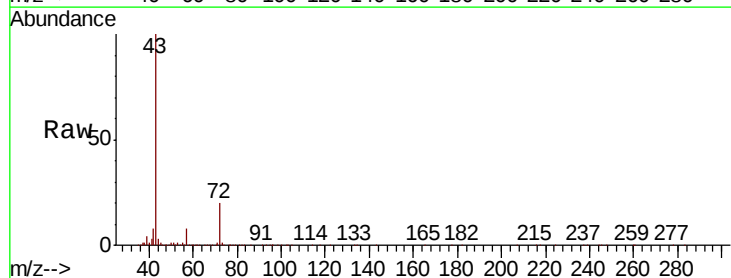


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

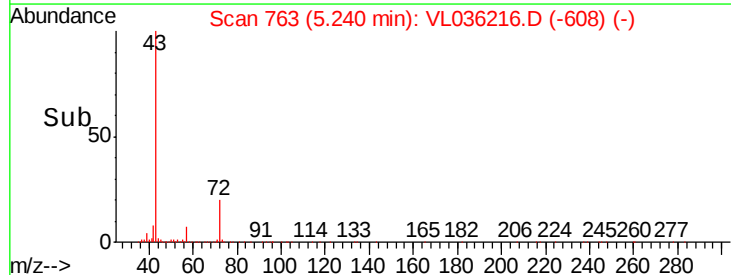
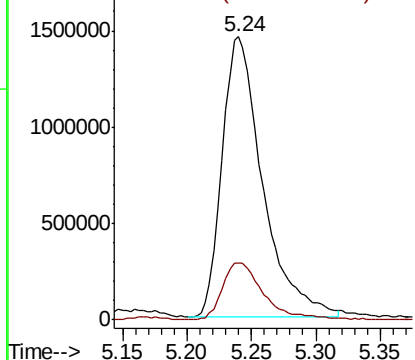


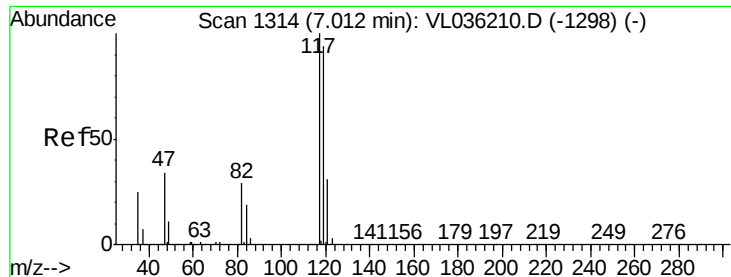
#34
 2-Butanone
 Concen: 13.945 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion: 43 Resp: 3190106
 Ion Ratio Lower Upper
 43 100
 72 20.9 16.1 24.1



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 15.049 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

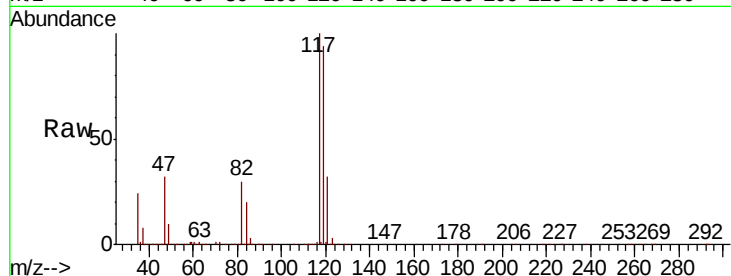
Tot Ion:117 Resp: 2991319

Ion Ratio Lower Upper

117 100

119 94.2 74.9 112.3

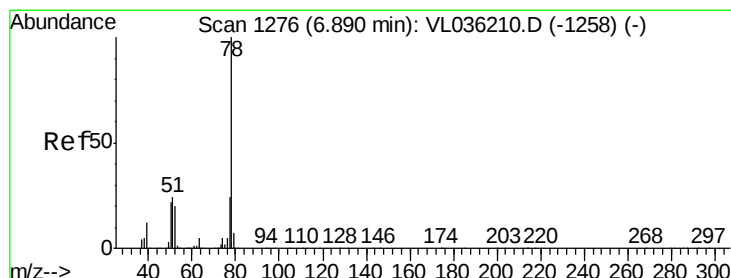
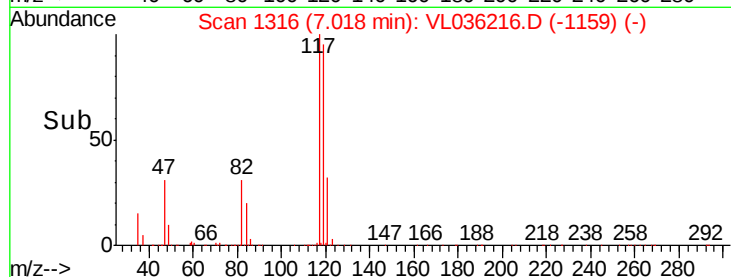
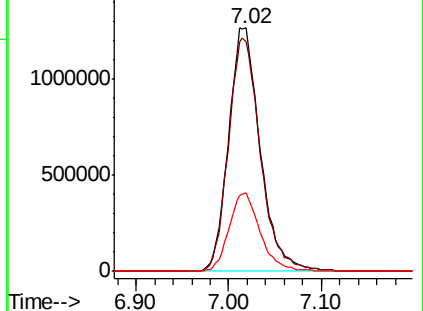
121 32.3 25.0 37.6



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: 14.131 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

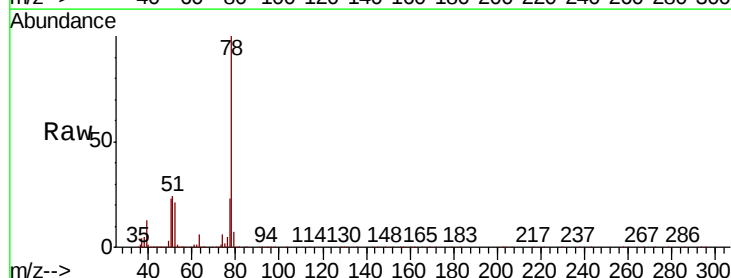
Tgt Ion: 78 Resp: 4098980

Ion Ratio Lower Upper

78 100

77 22.6 19.4 29.0

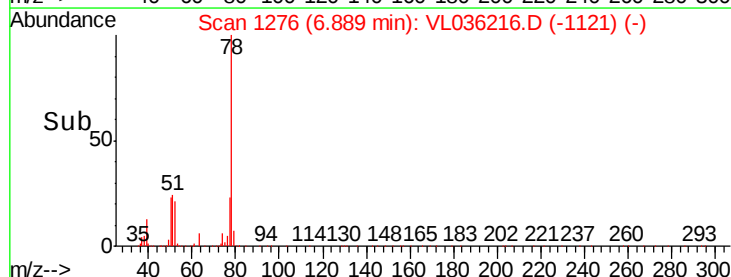
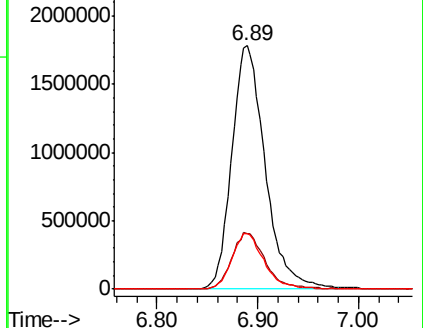
50 22.9 17.4 26.2

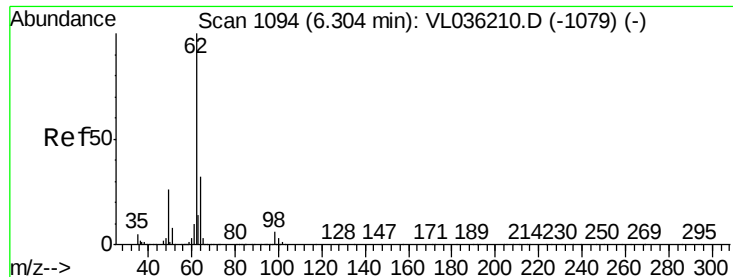


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

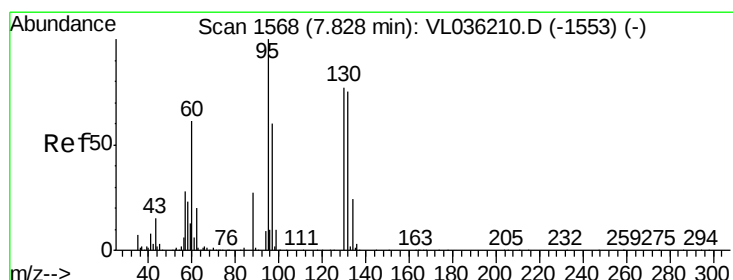
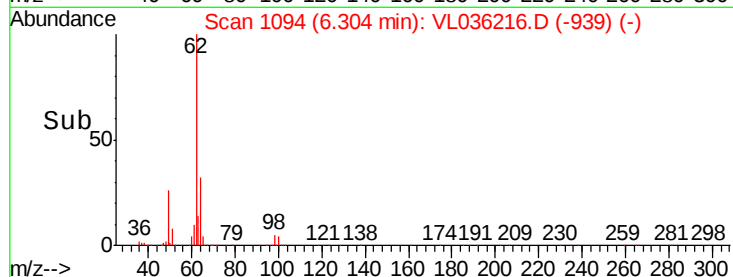
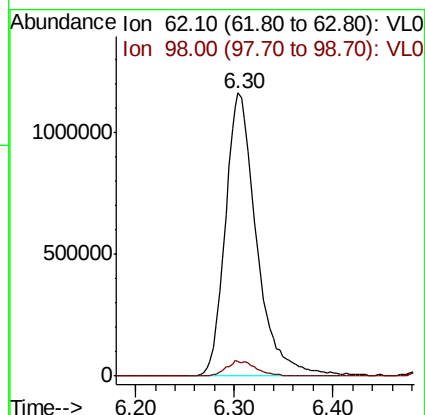
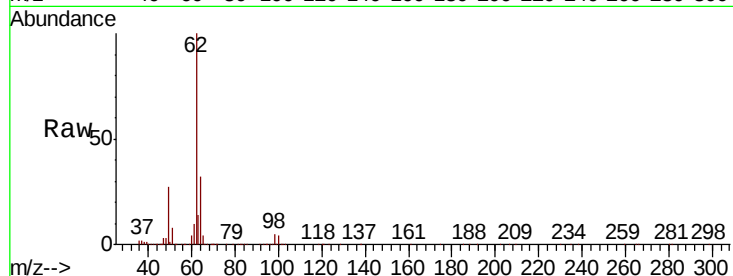




#37
 1,2-Dichloroethane
 Concen: 15.256 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

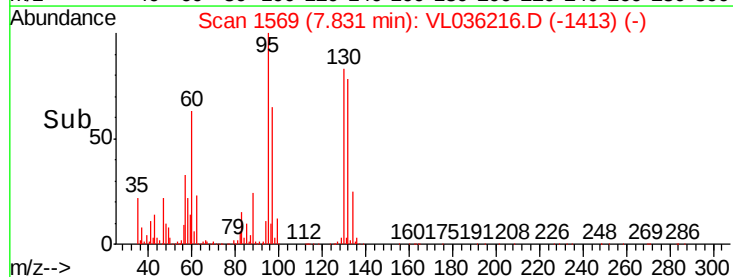
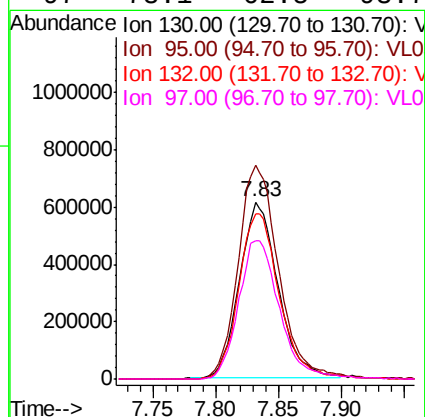
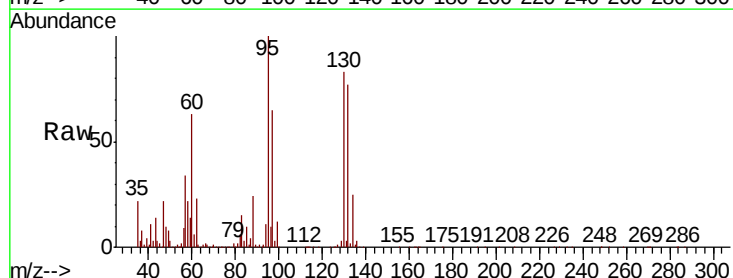
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

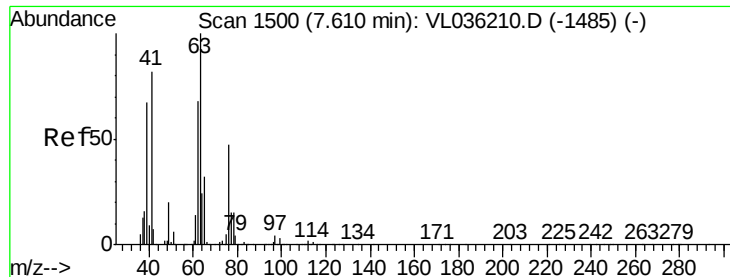
Tot Ion: 62 Resp: 2579254
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.4 6.6



#38
 Trichloroethene
 Concen: 12.290 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion:130 Resp: 1316461
 Ion Ratio Lower Upper
 130 100
 95 121.1 103.9 155.9
 132 93.8 77.4 116.2
 97 78.1 62.5 93.7





#39

1,2-Dichloropropane

Concen: 14.808 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

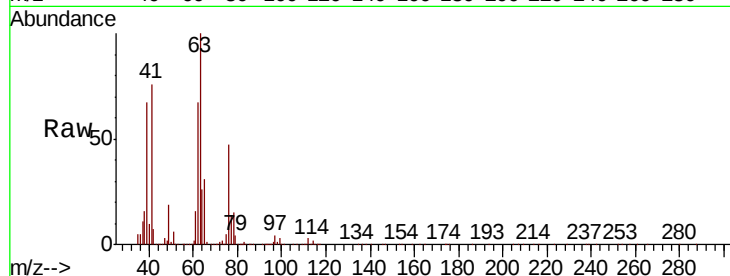
MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion: 63 Resp: 1700817

Ion	Ratio	Lower	Upper
63	100		
41	76.1	66.1	99.1
62	67.0	54.8	82.2

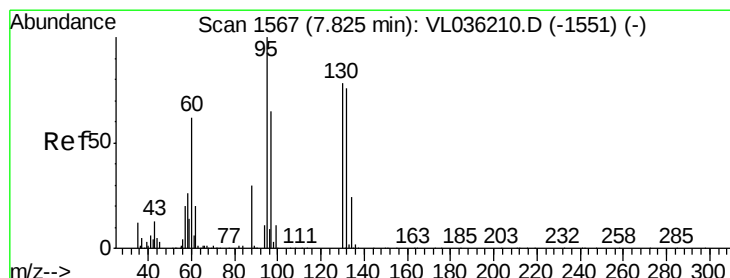
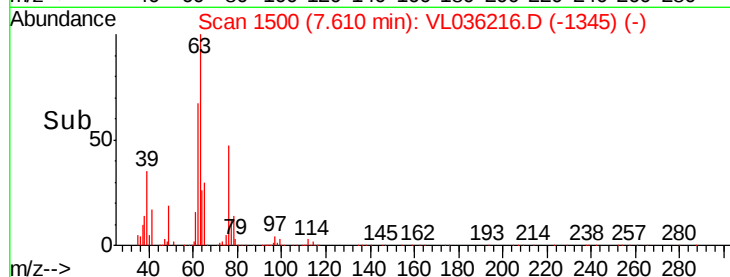
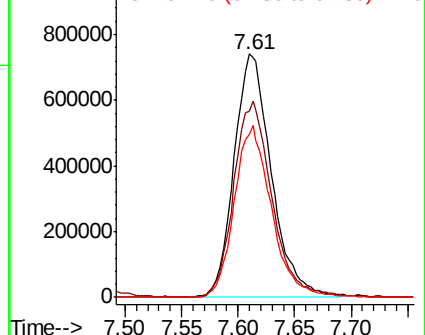


Abundance

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: 13.155 ppbv

RT: 7.83 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion: 88 Resp: 476199

Ion	Ratio	Lower	Upper
88	100		
58	65.3	123.0	184.6#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

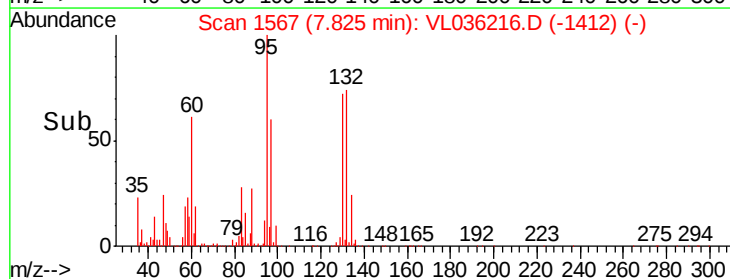
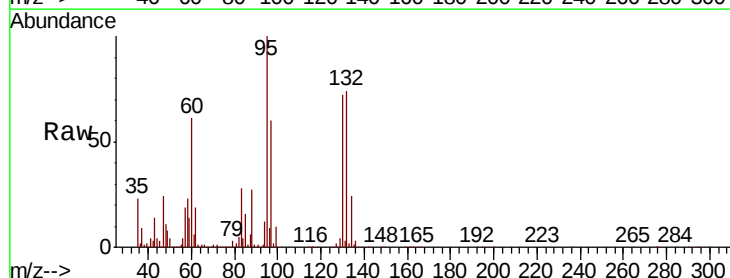
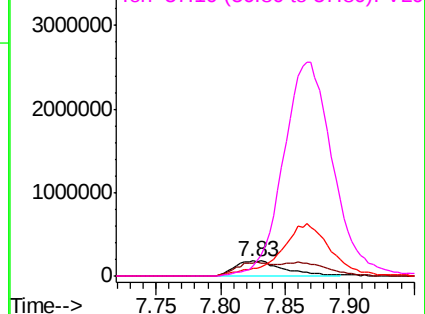
Abundance

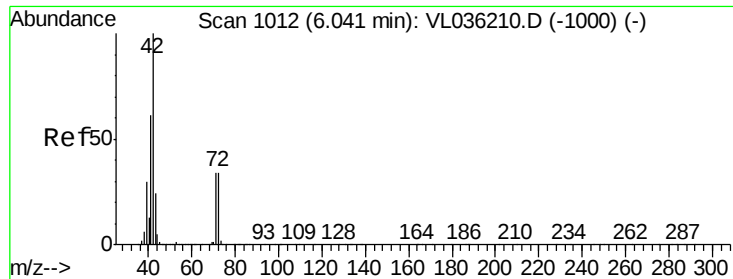
Ion 88.10 (87.80 to 88.80): VL0

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: 14.705 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

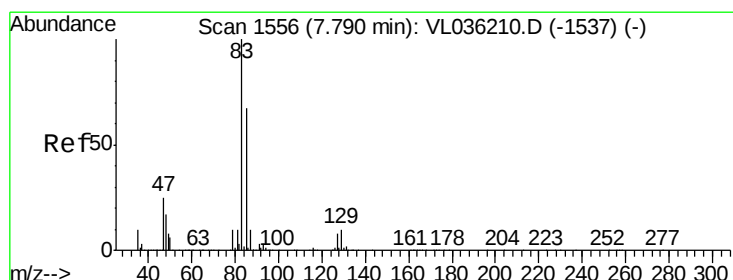
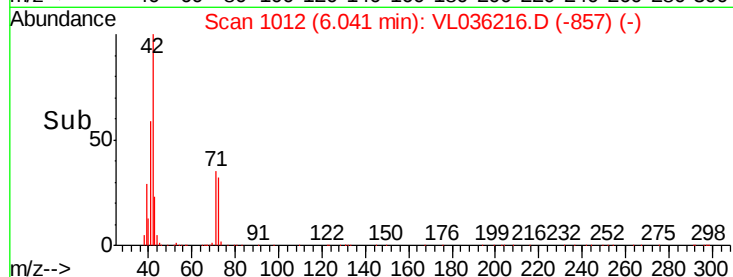
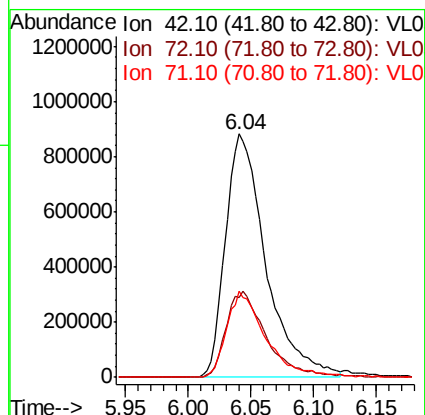
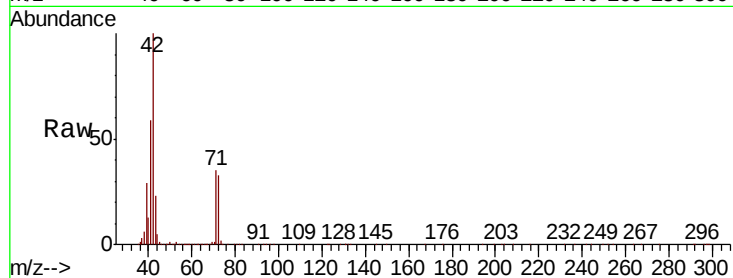
Tot Ion: 42 Resp: 1972841

Ion Ratio Lower Upper

42 100

72 35.7 29.5 44.3

71 34.6 29.1 43.7



#42

Bromodichloromethane

Concen: 14.842 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

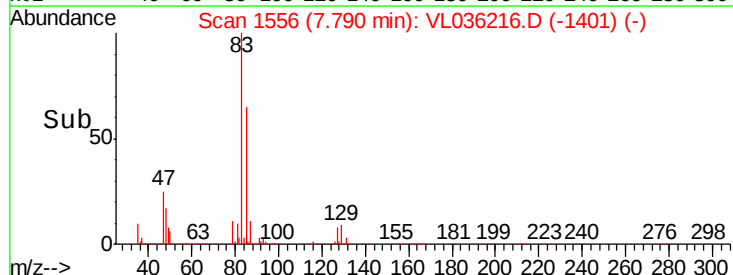
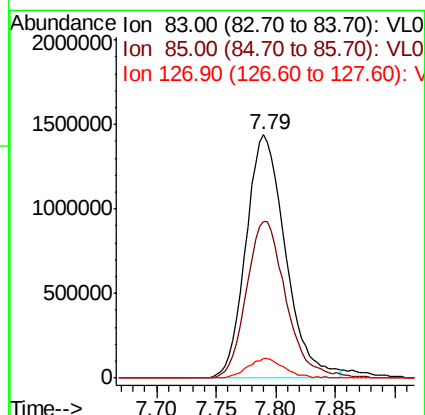
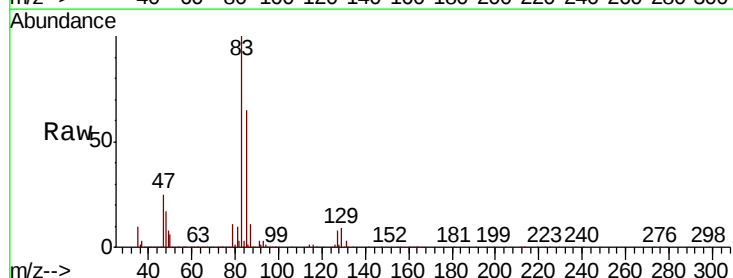
Tgt Ion: 83 Resp: 3313549

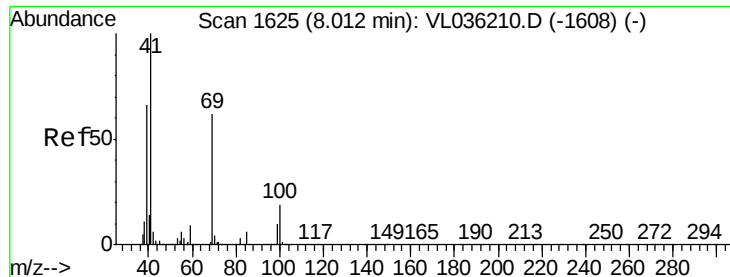
Ion Ratio Lower Upper

83 100

85 64.6 53.4 80.2

127 8.0 6.2 9.2

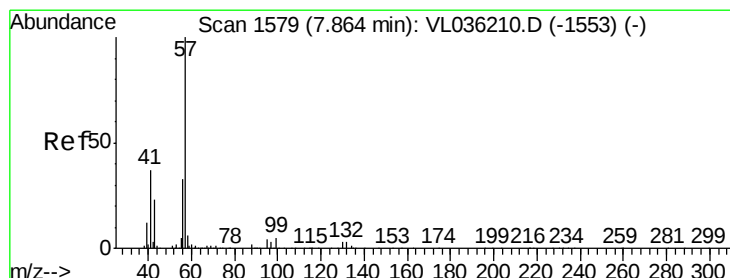
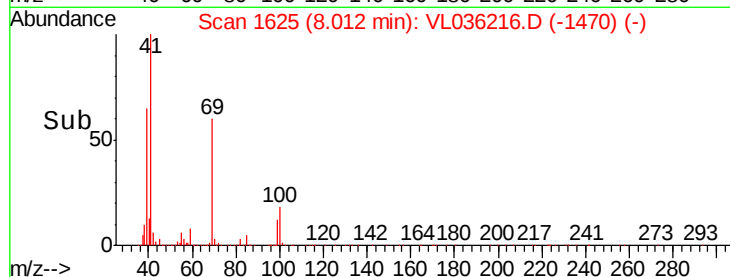
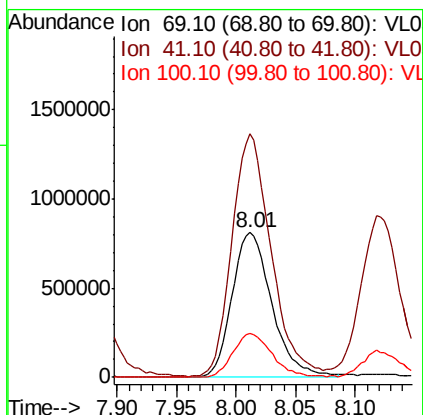
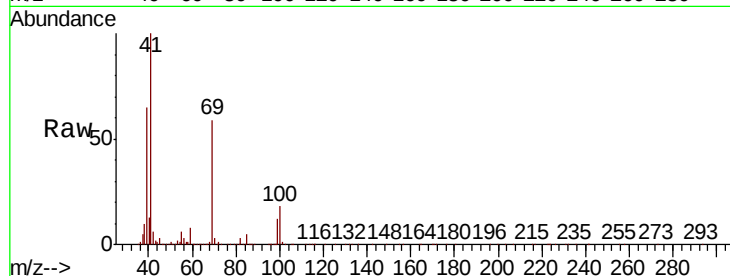




#43
Methvl Methacrilate
Concen: 15.141 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

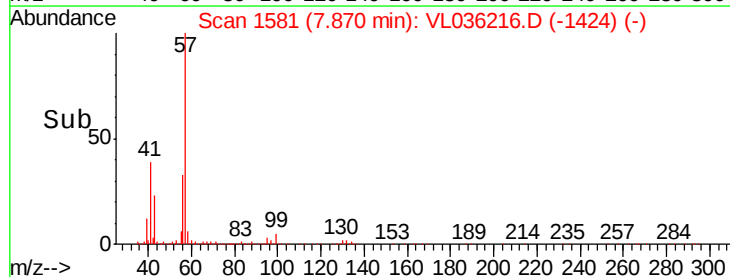
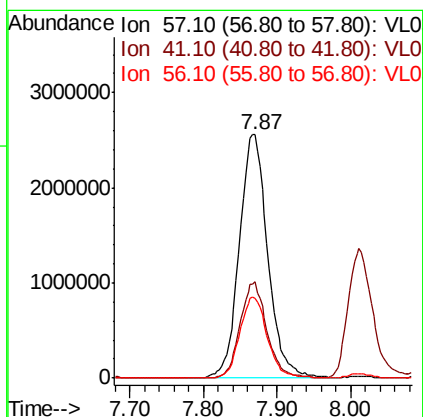
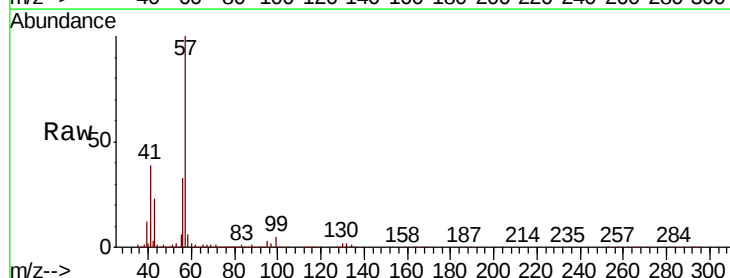
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

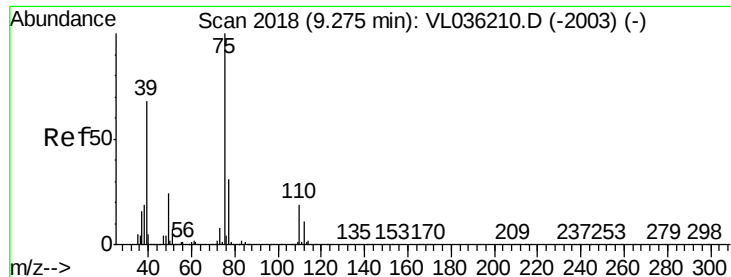
Tot Ion: 69 Resp: 1884617
Ion Ratio Lower Upper
69 100
41 165.7 133.4 200.2
100 30.2 24.3 36.5



#44
2,2,4-Trimethylpentane
Concen: 13.156 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.01 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 57 Resp: 6884300
Ion Ratio Lower Upper
57 100
41 37.0 28.5 42.7
56 32.3 25.5 38.3

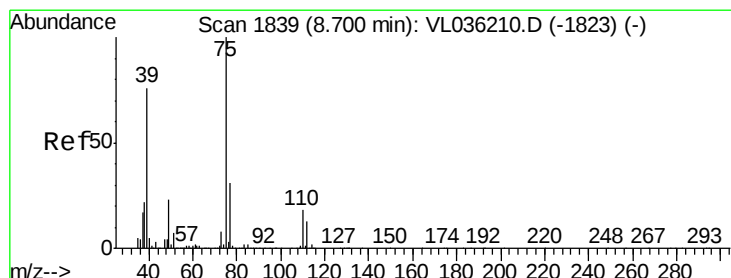
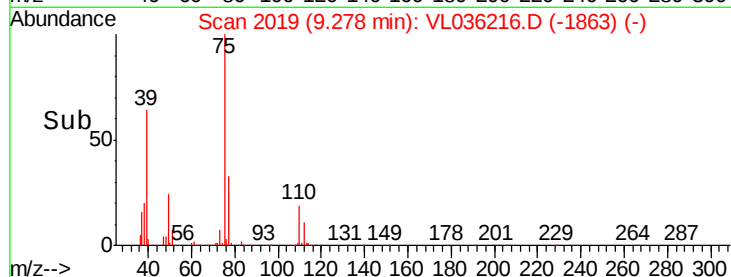
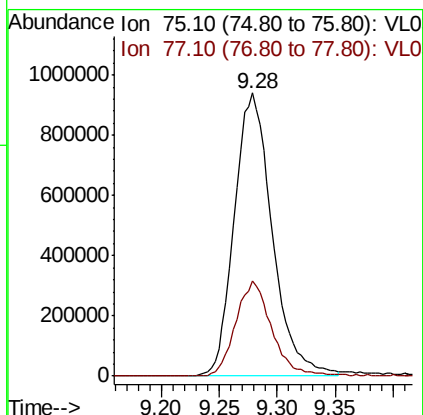
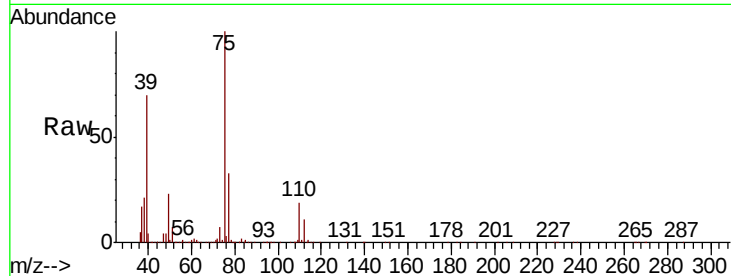




#45
t-1,3-Dichloropropene
Concen: 16.715 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

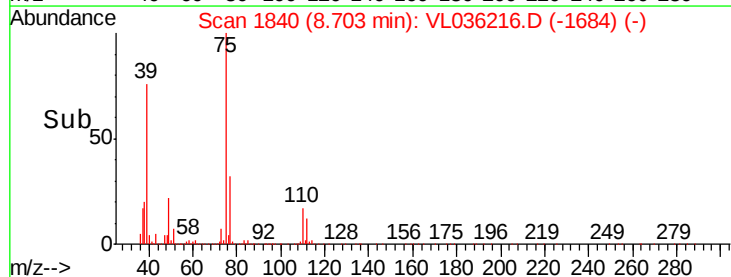
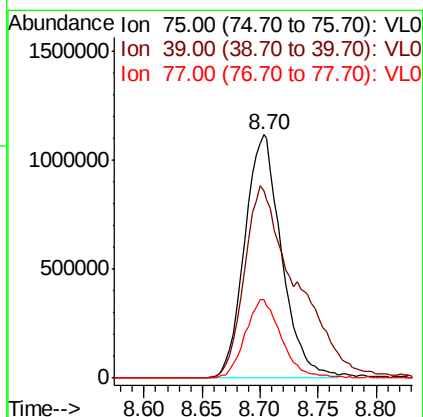
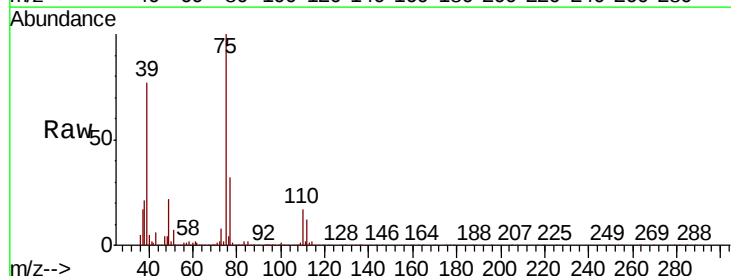
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

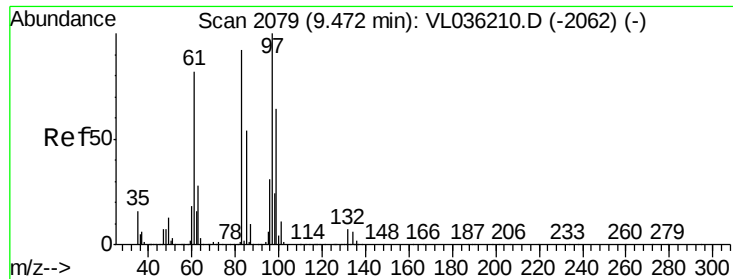
Tot Ion: 75 Resp: 2127987
Ion Ratio Lower Upper
75 100
77 33.5 24.7 37.1



#46
cis-1,3-Dichloropropene
Concen: 15.391 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 75 Resp: 2472525
Ion Ratio Lower Upper
75 100
39 76.6 61.2 91.8
77 32.0 24.6 37.0

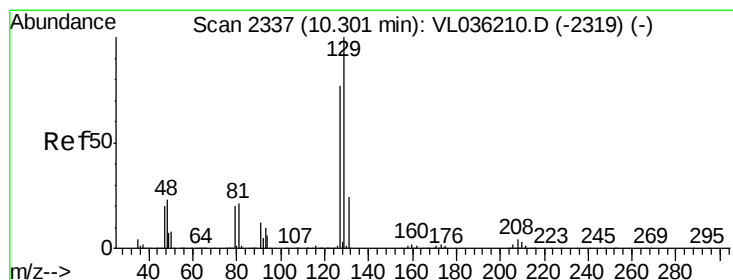
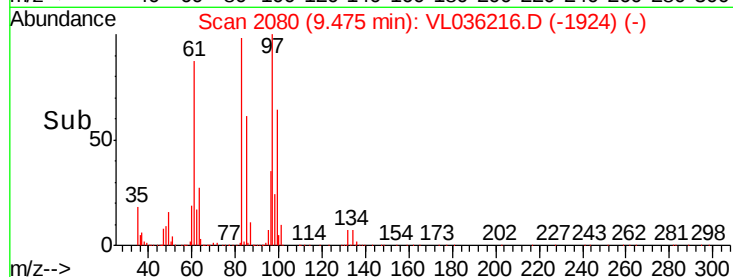
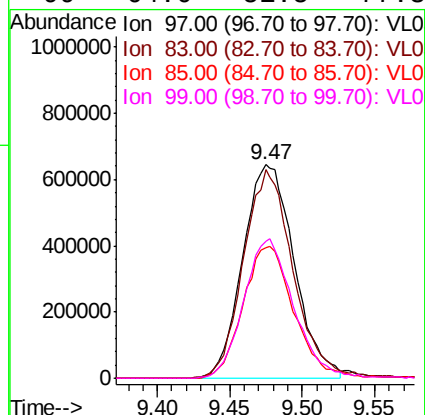
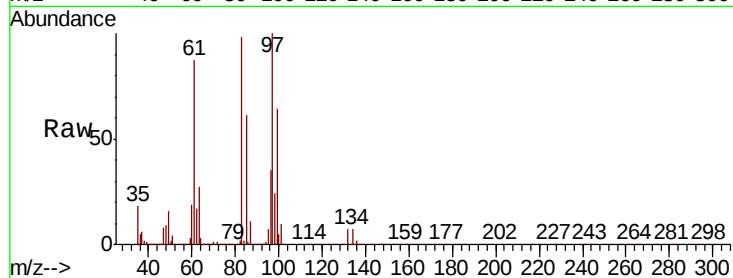




#47
 1,1,2-Trichloroethane
 Concen: 14.240 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

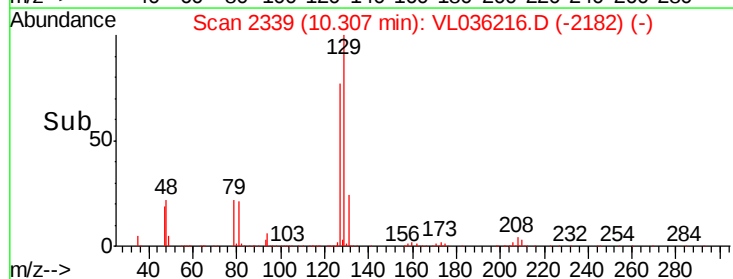
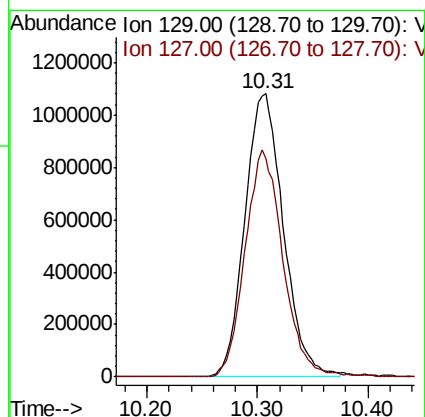
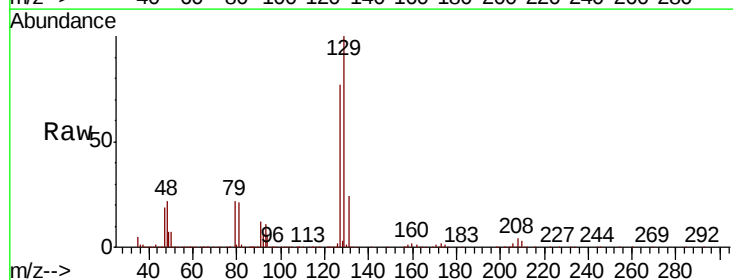
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

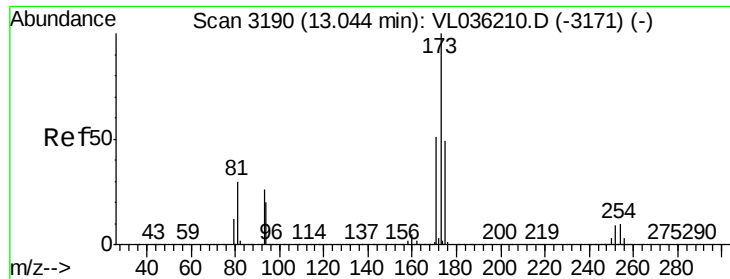
Tot Ion: 97 Resp: 1577359
 Ion Ratio Lower Upper
 97 100
 83 97.8 73.3 109.9
 85 61.2 43.2 64.8
 99 64.0 51.5 77.3



#48
 Dibromochloromethane
 Concen: 15.796 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.01 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion:129 Resp: 2619712
 Ion Ratio Lower Upper
 129 100
 127 79.3 39.6 118.8





#49

Bromoform

Concen: 16.664 ppbv

RT: 13.05 min Scan# 3191

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

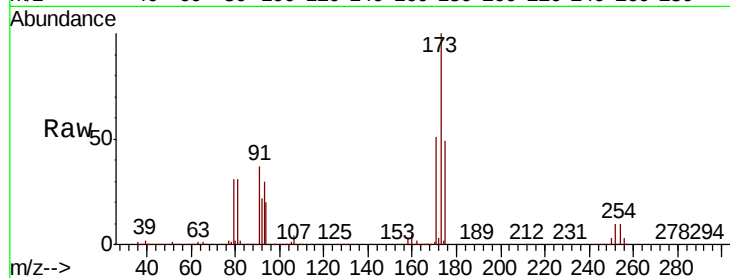
MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:173 Resp: 2184737

Ion	Ratio	Lower	Upper
173	100		
175	50.9	40.7	61.1
171	53.3	43.0	64.6

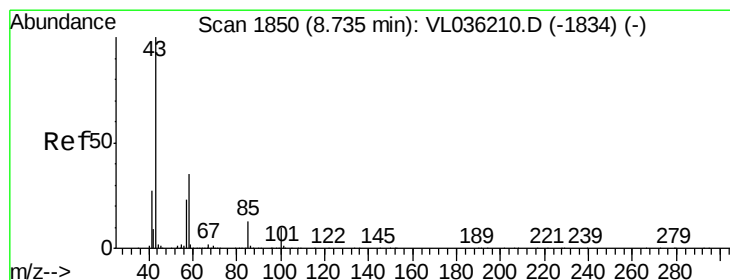
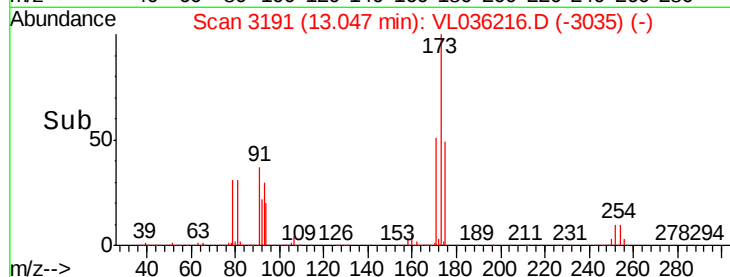
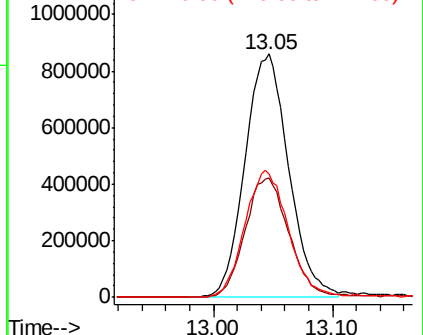


Abundance

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: 14.498 ppbv

RT: 8.74 min Scan# 1852

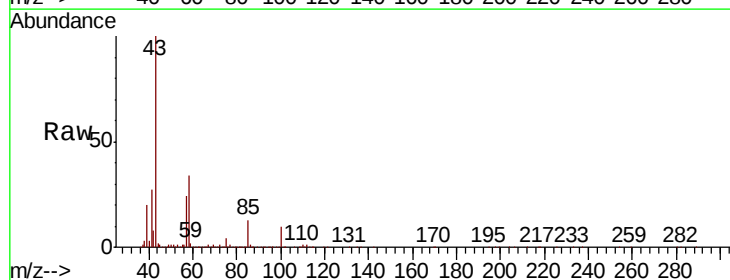
Delta R.T. 0.01 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion: 43 Resp: 4933410

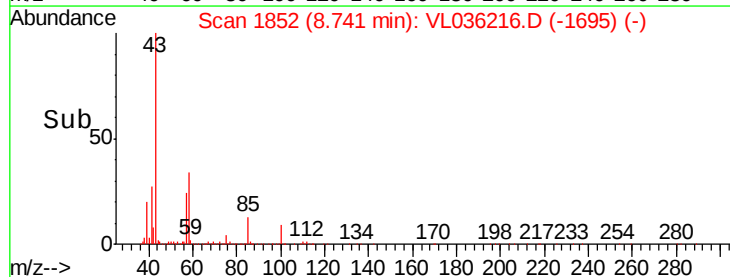
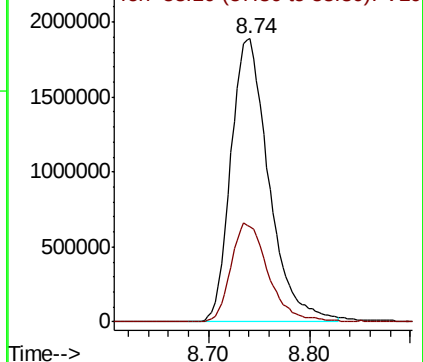
Ion	Ratio	Lower	Upper
43	100		
58	34.6	27.6	41.4

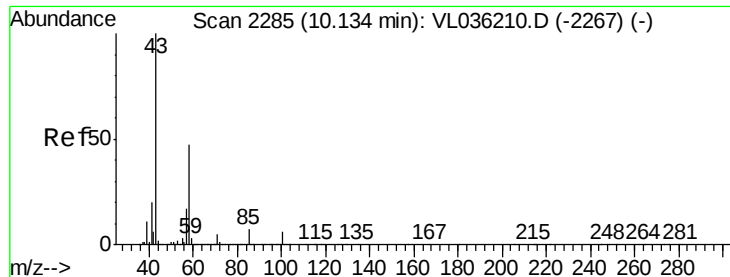


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

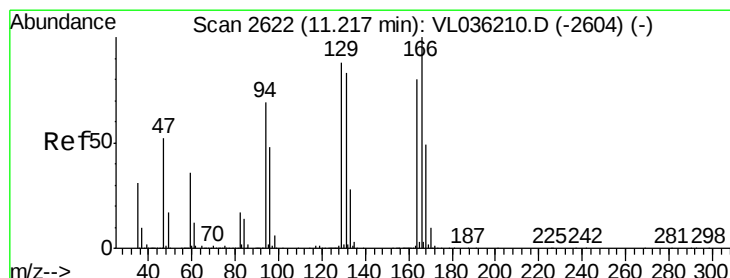
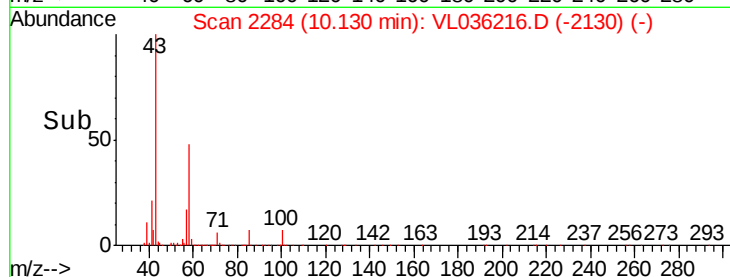
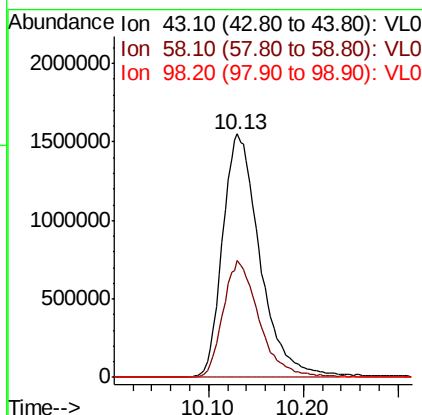
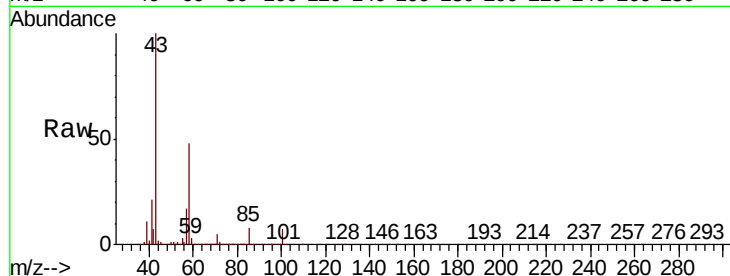




#51
2-Hexanone
Concen: 15.707 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

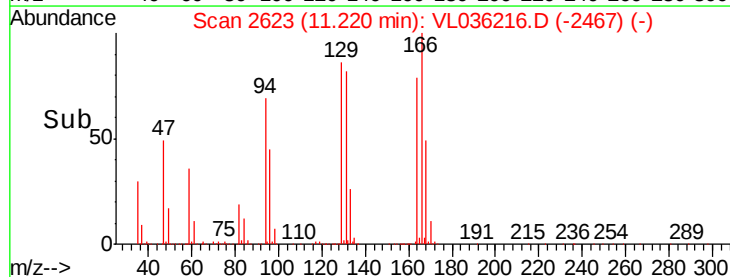
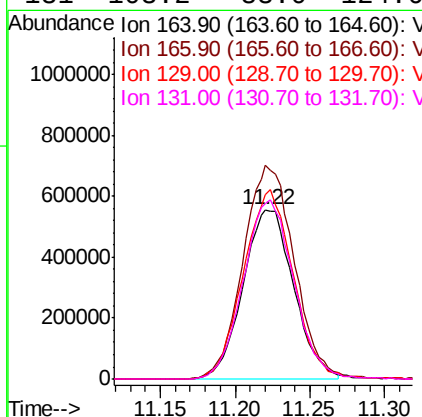
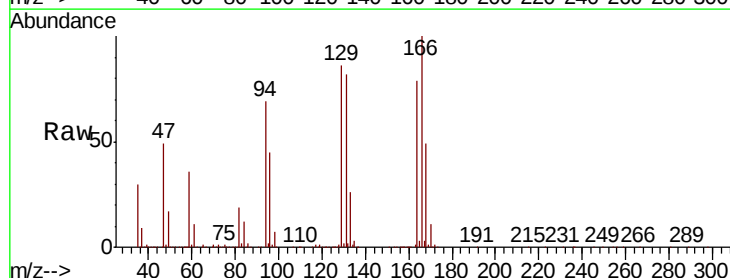
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

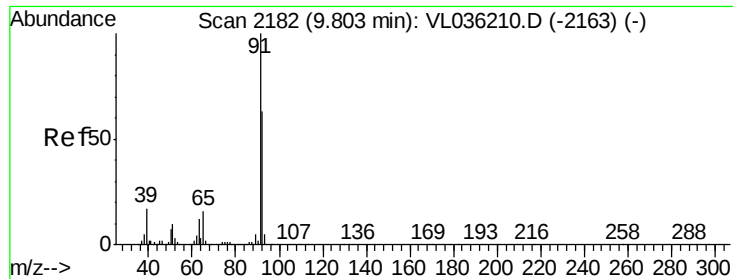
Tot Ion: 43 Resp: 4235271
Ion Ratio Lower Upper
43 100
58 47.0 37.4 56.0
98 0.1 0.2 0.2#



#52
Tetrachloroethene
Concen: 12.451 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion:164 Resp: 1298165
Ion Ratio Lower Upper
164 100
166 126.0 99.9 149.9
129 108.7 88.2 132.4
131 103.2 83.0 124.6





#53

Toluene

Concen: 13.892 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

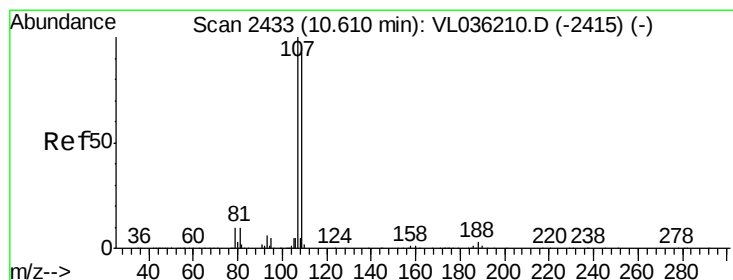
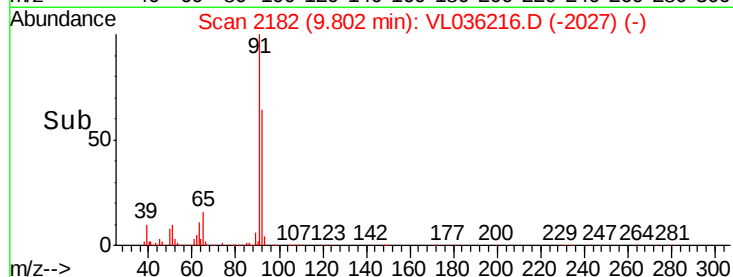
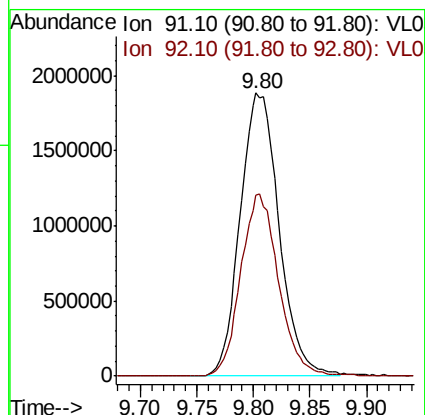
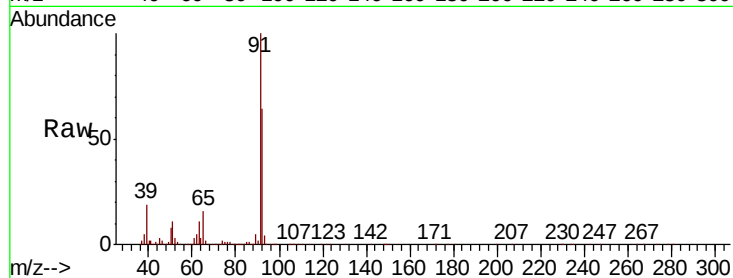
VSTDIC015

Tot Ion: 91 Resp: 4520017

Ion Ratio Lower Upper

91 100

92 62.6 48.5 72.7



#54

1,2-Dibromoethane

Concen: 14.480 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.00 min

Lab File: VL036216.D

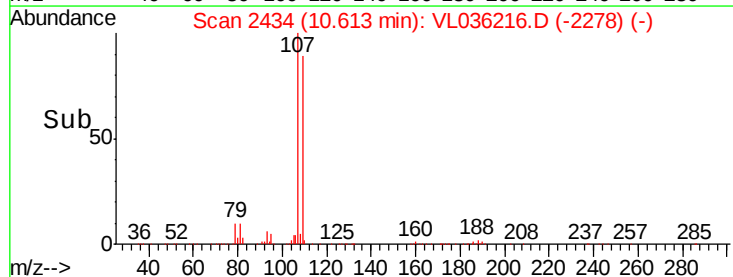
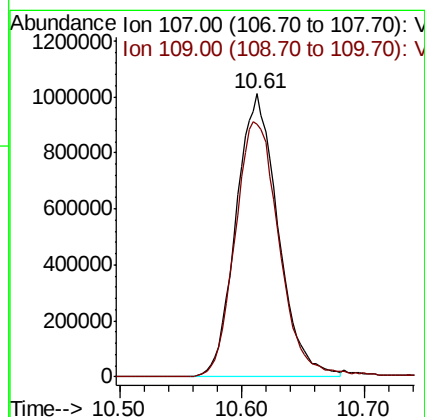
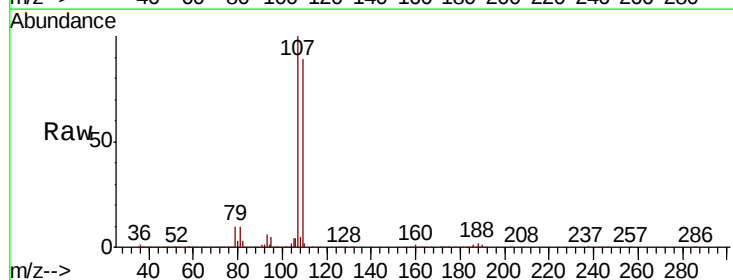
Acq: 13 Jan 2021 6:24

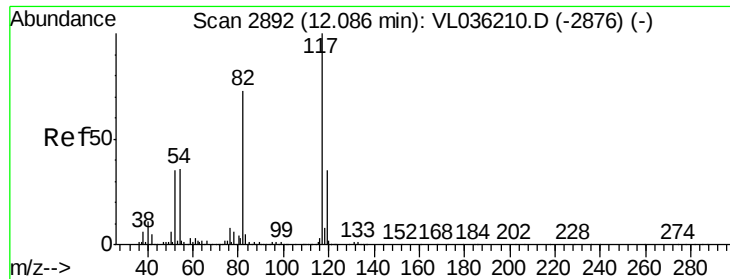
Tgt Ion: 107 Resp: 2403743

Ion Ratio Lower Upper

107 100

109 89.1 74.5 111.7

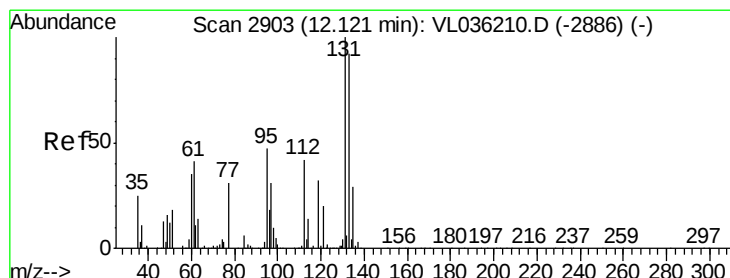
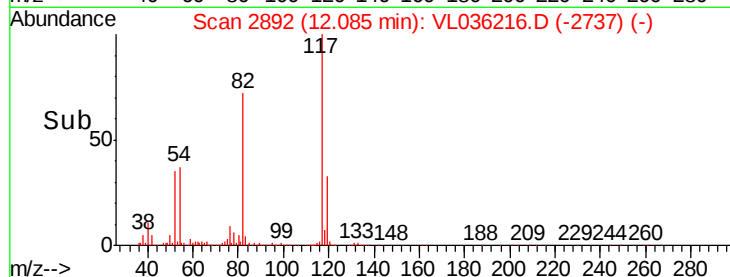
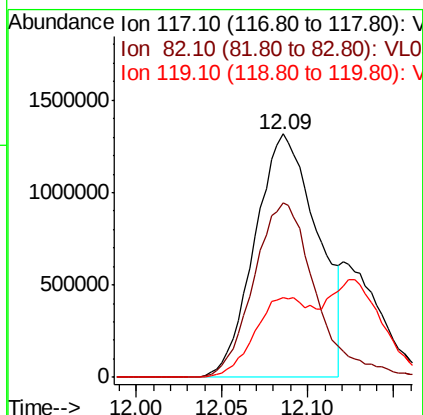
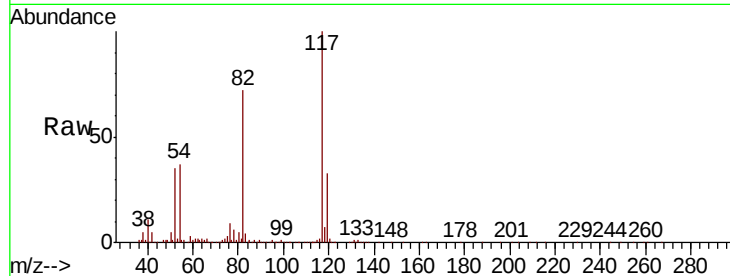




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

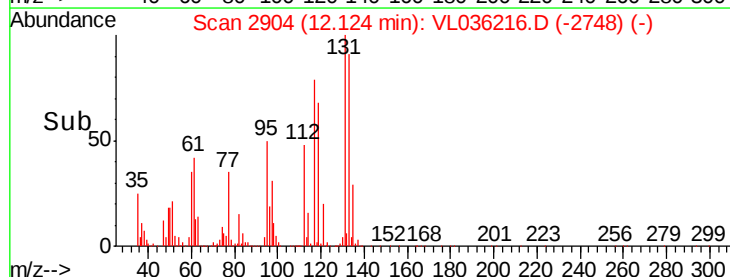
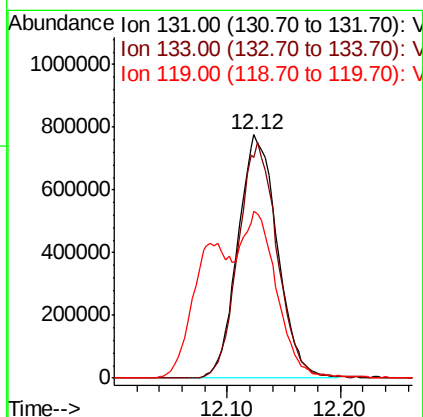
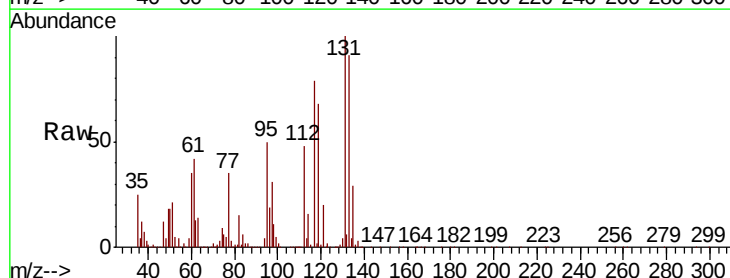
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

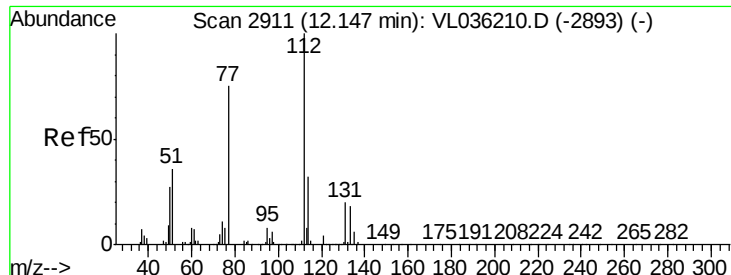
Tot Ion:117 Resp: 3321852
Ion Ratio Lower Upper
117 100
82 71.7 59.7 89.5
119 0.0 28.6 43.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 13.693 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion:131 Resp: 1884458
Ion Ratio Lower Upper
131 100
133 96.0 76.5 114.7
119 117.4 45.4 68.0#





#57

Chlorobenzene

Concen: 13.391 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

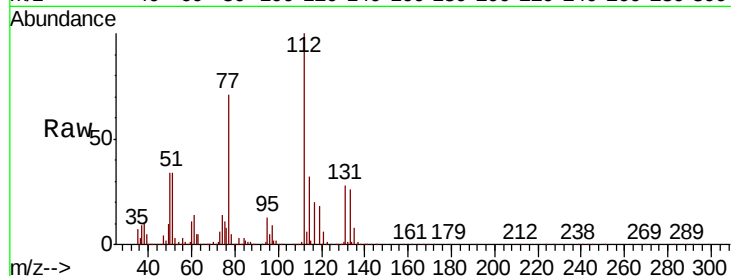
Tot Ion:112 Resp: 3136870

Ion Ratio Lower Upper

112 100

77 69.8 59.6 89.4

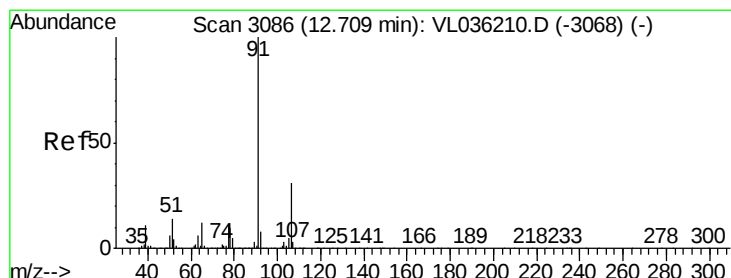
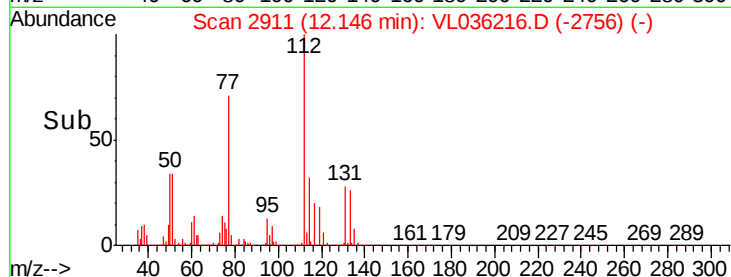
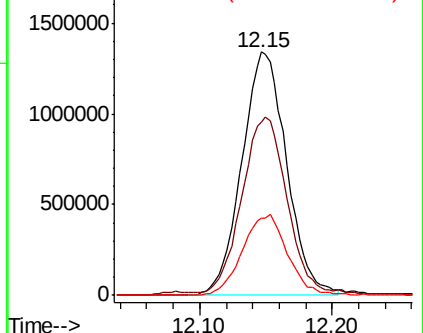
114 31.7 28.7 35.1



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: 13.284 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VL036216.D

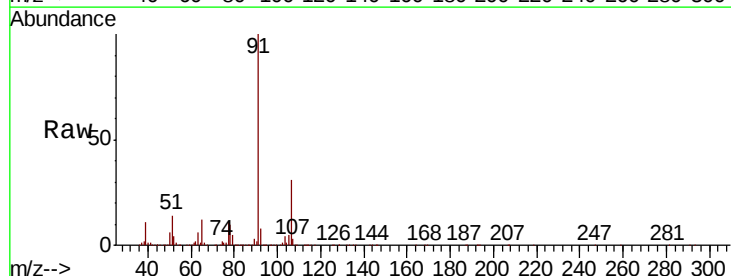
Acq: 13 Jan 2021 6:24

Tgt Ion: 91 Resp: 6087161

Ion Ratio Lower Upper

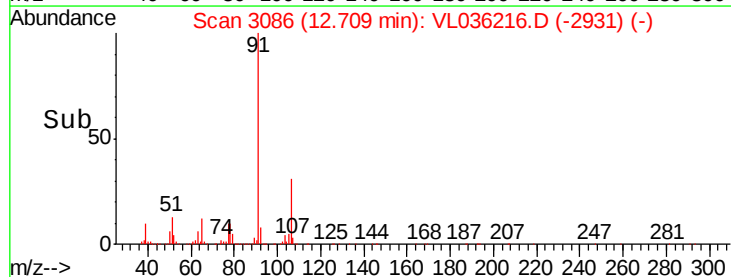
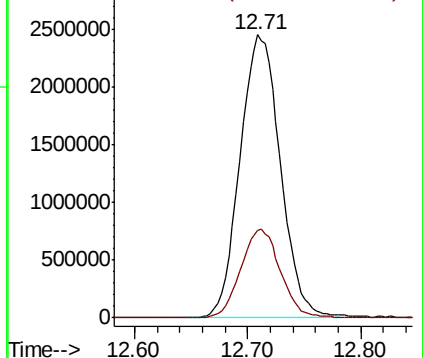
91 100

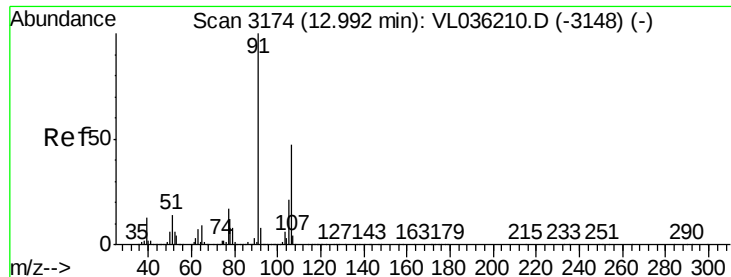
106 31.1 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

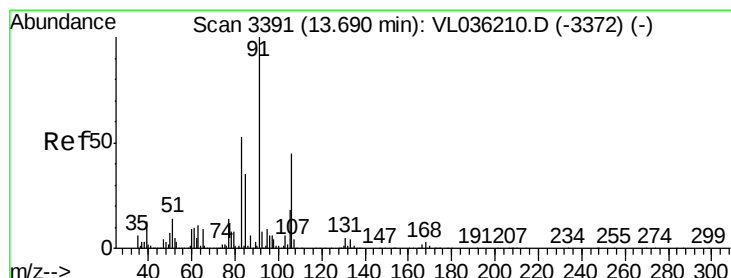
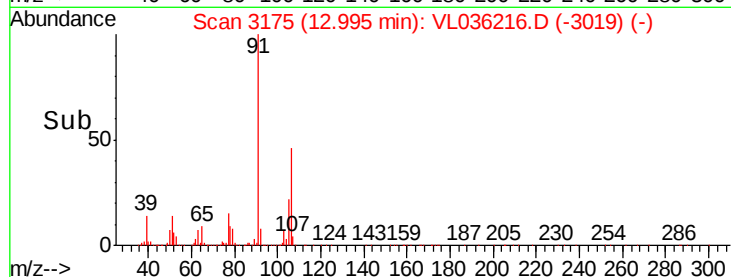
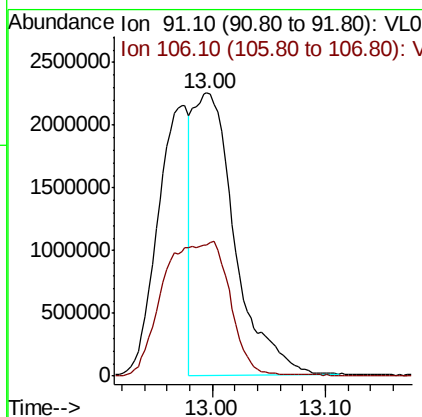
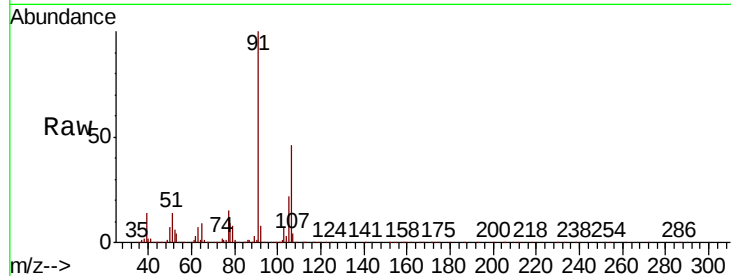




#59
m/p-Xylene
Concen: 14.990 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

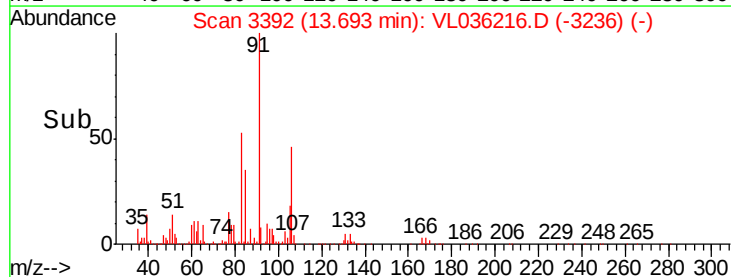
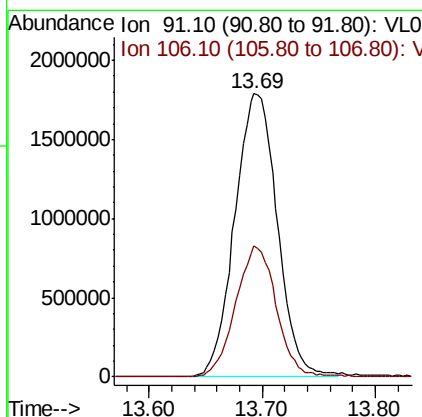
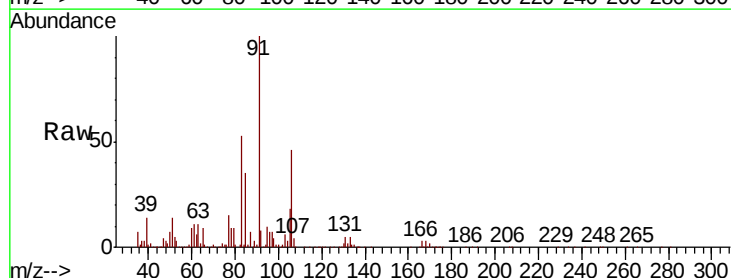
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

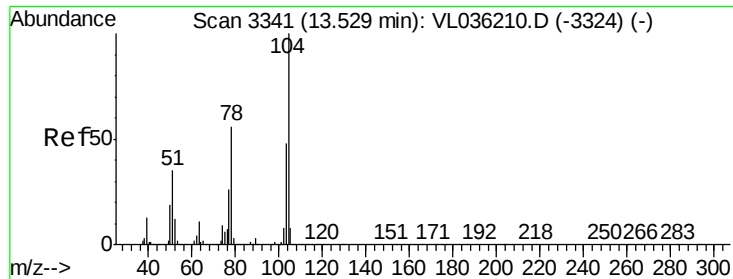
Tot Ion: 91 Resp: 5774715
Ion Ratio Lower Upper
91 100
106 76.0 34.6 51.8#



#60
o-Xylene
Concen: 12.826 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 91 Resp: 4664154
Ion Ratio Lower Upper
91 100
106 44.5 21.9 65.8

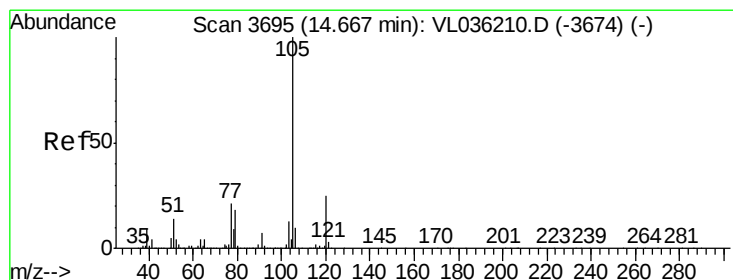
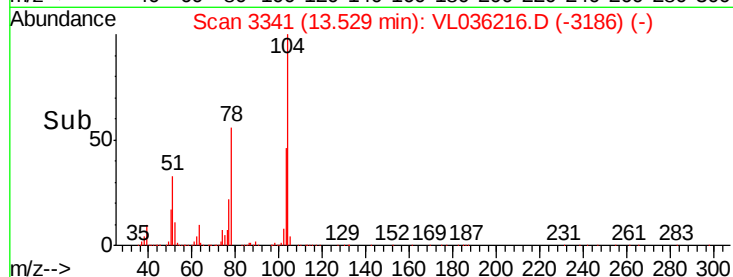
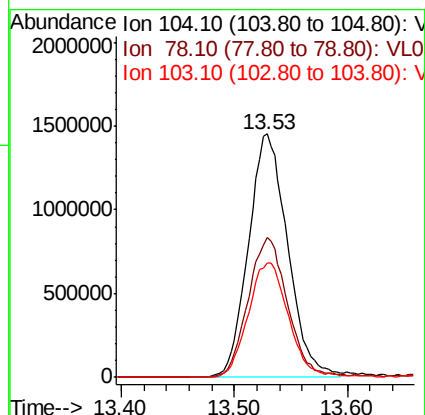
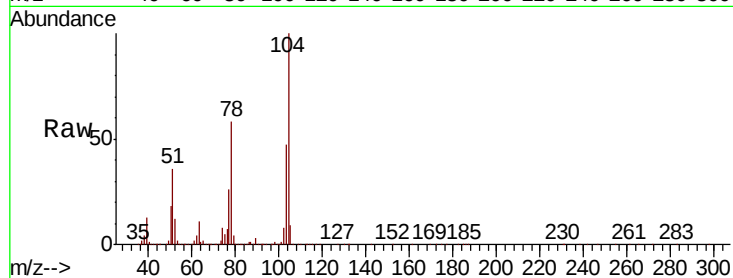




#61
Stvrene
Concen: 14.827 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

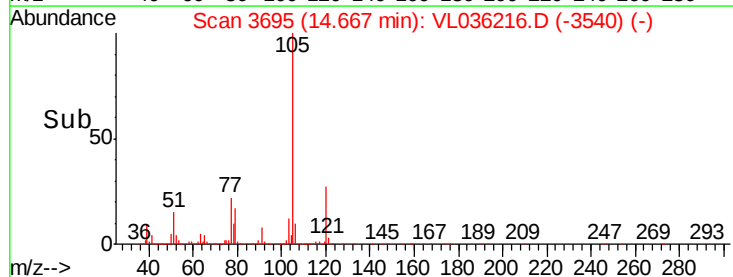
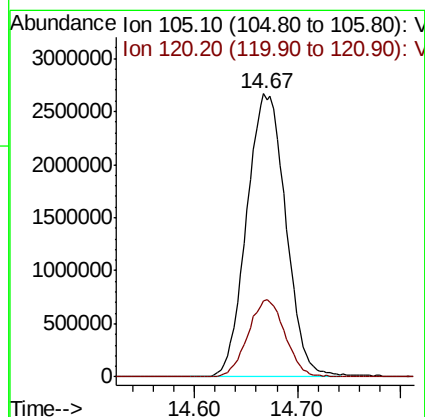
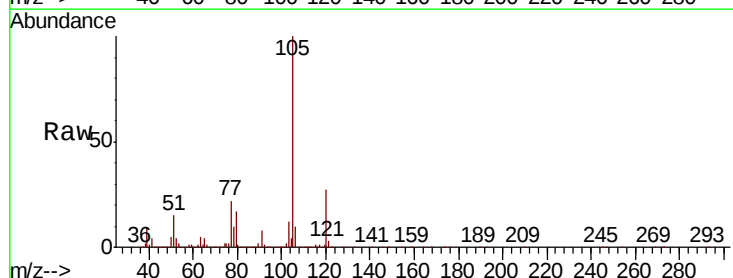
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

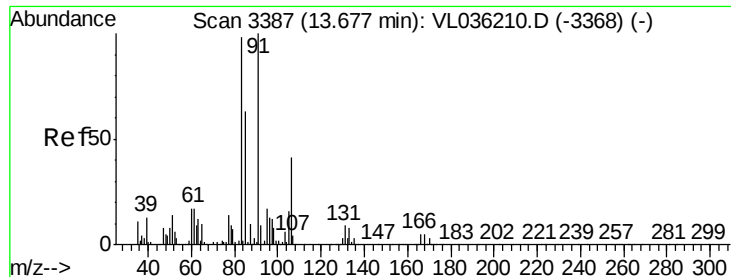
Tot Ion:104 Resp: 3498890
Ion Ratio Lower Upper
104 100
78 58.3 46.8 70.2
103 48.9 38.4 57.6



#62
Isopropylbenzene
Concen: 12.990 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion:105 Resp: 7027060
Ion Ratio Lower Upper
105 100
120 26.2 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 13.423 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. 0.01 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

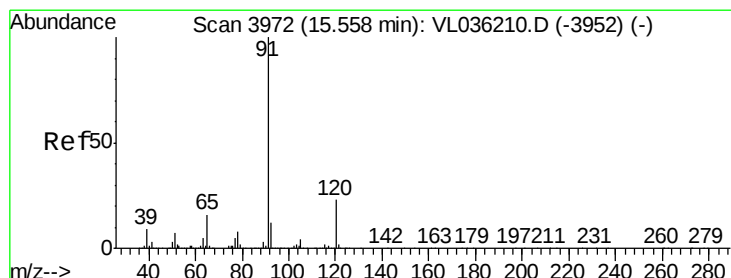
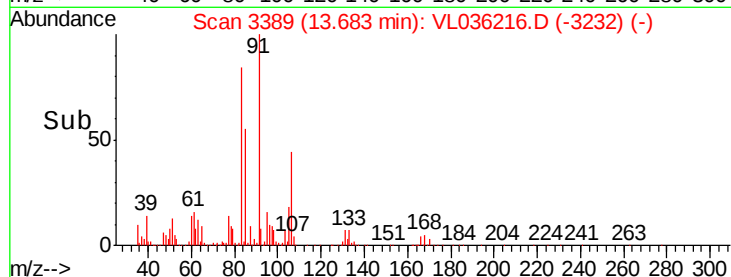
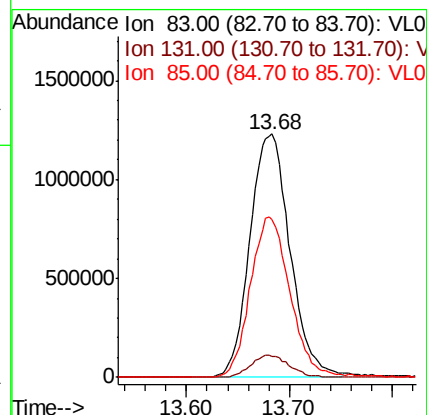
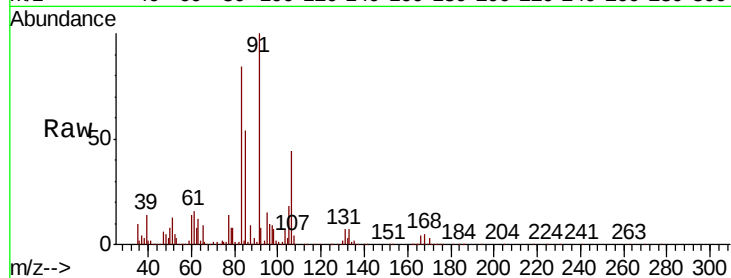
Tot Ion: 83 Resp: 3314626

Ion Ratio Lower Upper

83 100

131 9.0 4.5 13.5

85 65.6 33.1 99.3



#64

n-propylbenzene

Concen: 14.135 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.01 min

Lab File: VL036216.D

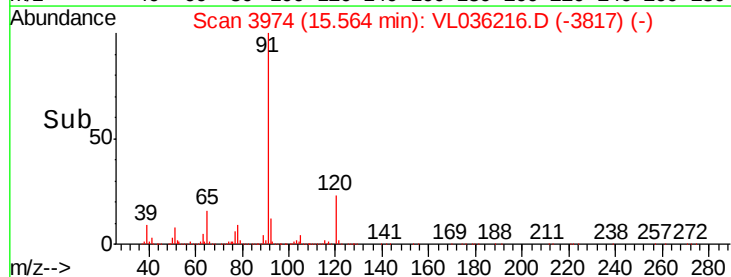
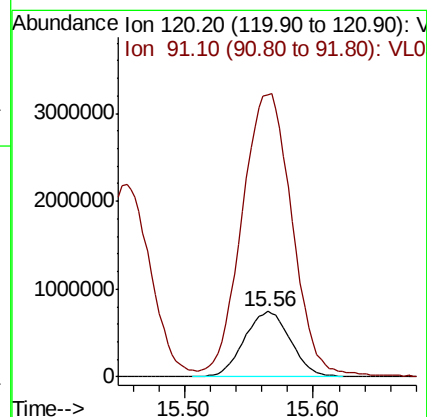
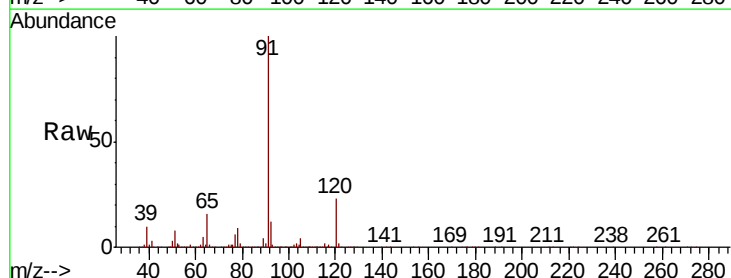
Acq: 13 Jan 2021 6:24

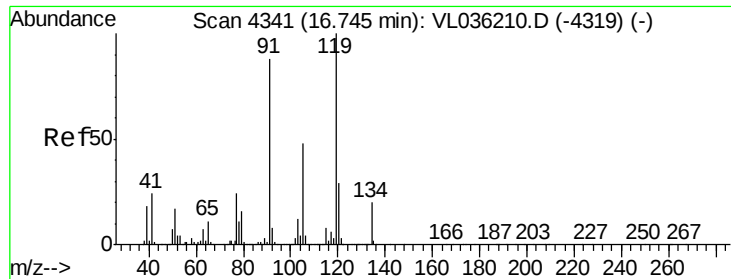
Tgt Ion: 120 Resp: 1851084

Ion Ratio Lower Upper

120 100

91 474.0 391.8 587.6

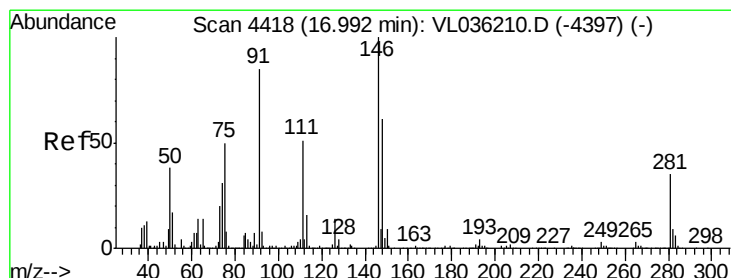
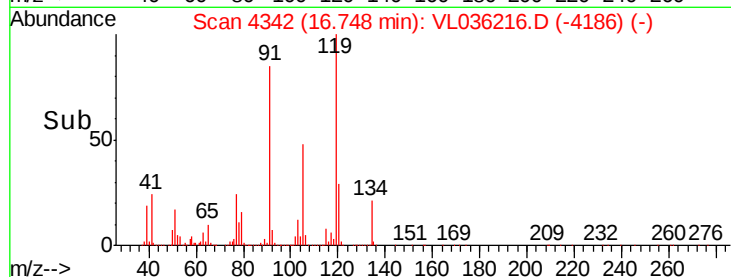
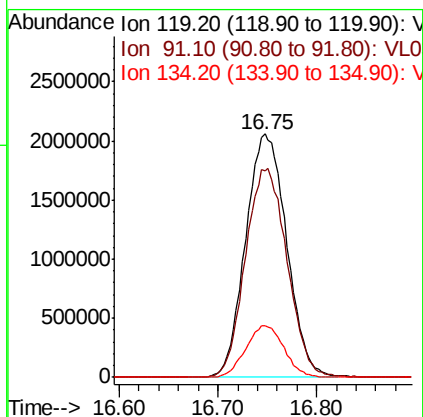
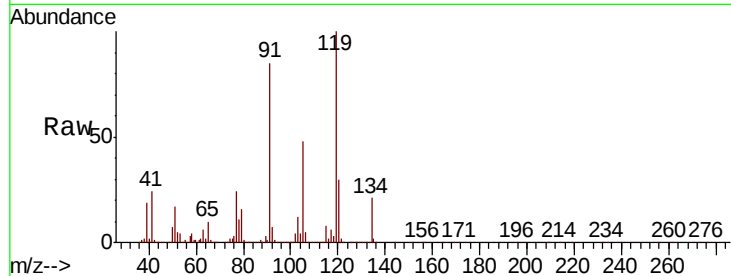




#65
tert-Butylbenzene
Concen: 13.281 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

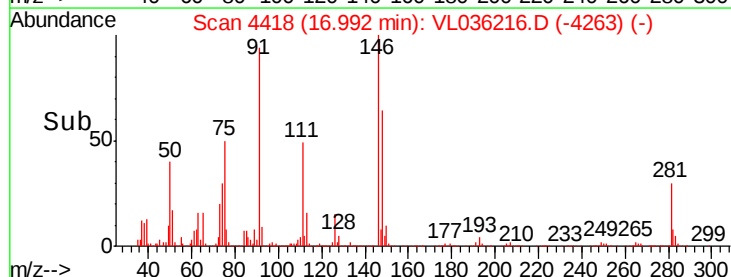
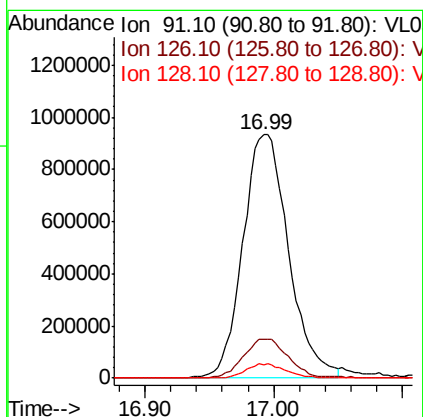
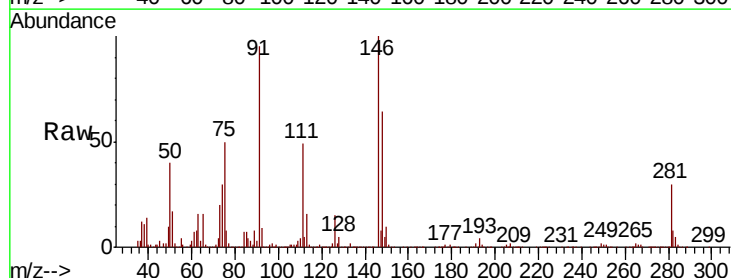
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

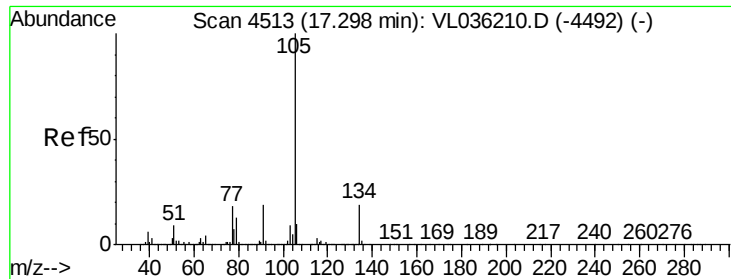
Tot Ion:119 Resp: 5908489
Ion Ratio Lower Upper
119 100
91 87.6 71.0 106.6
134 19.8 15.8 23.6



#66
Benzyl Chloride
Concen: 20.121 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion: 91 Resp: 2296573
Ion Ratio Lower Upper
91 100
126 16.3 12.6 19.0
128 5.4 3.8 5.6

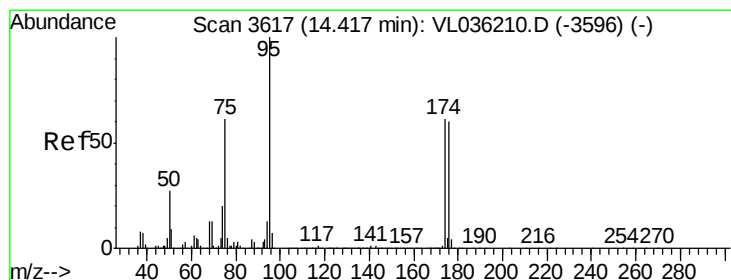
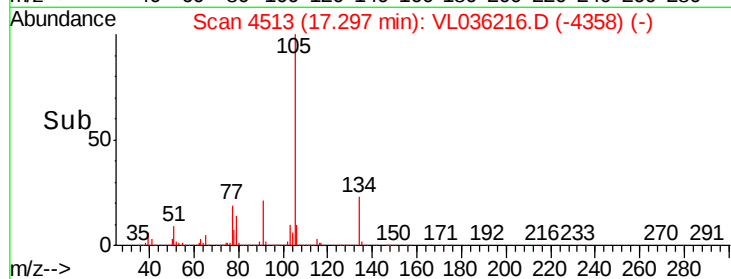
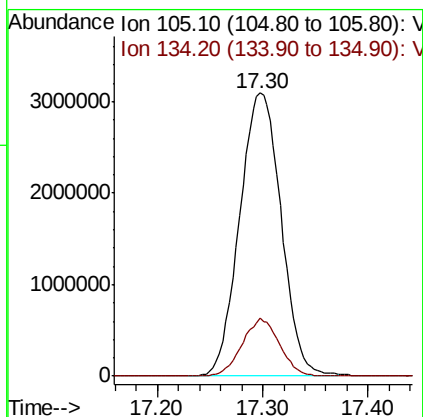
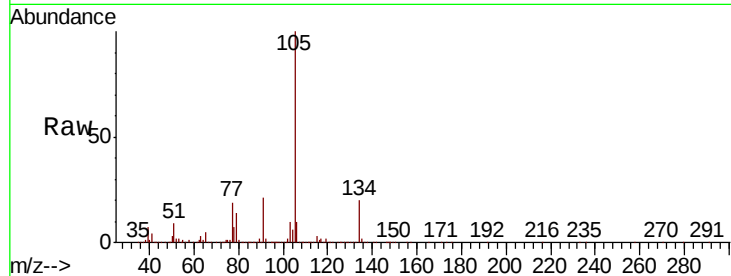




#67
 sec-Butylbenzene
 Concen: 13.465 ppbv
 RT: 17.30 min Scan# 4513
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

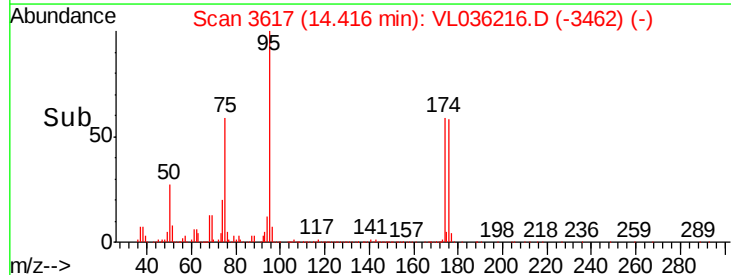
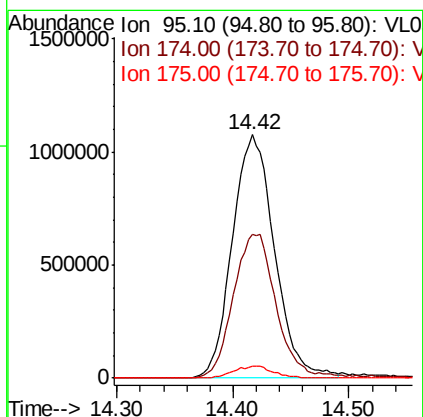
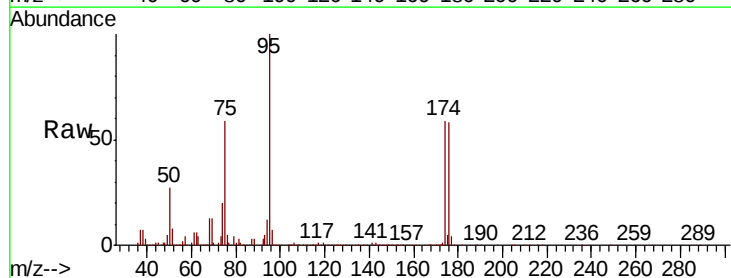
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

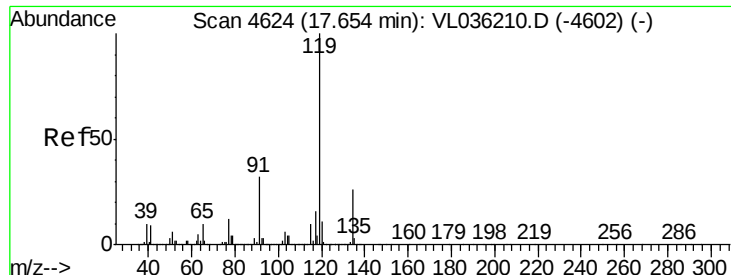
Tot Ion:105 Resp: 8465818
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.196 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion: 95 Resp: 2717176
 Ion Ratio Lower Upper
 95 100
 174 61.3 49.4 74.0
 175 4.8 3.8 5.8





#69

p-Isopropyltoluene

Concen: 14.007 ppbv

RT: 17.66 min Scan# 4625

Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

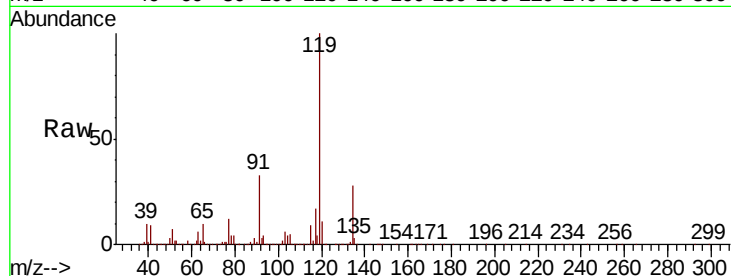
MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:119 Resp: 7011920

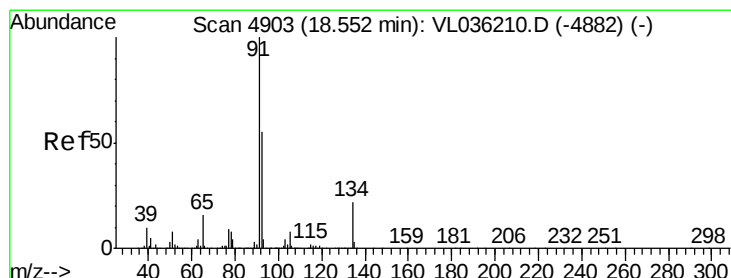
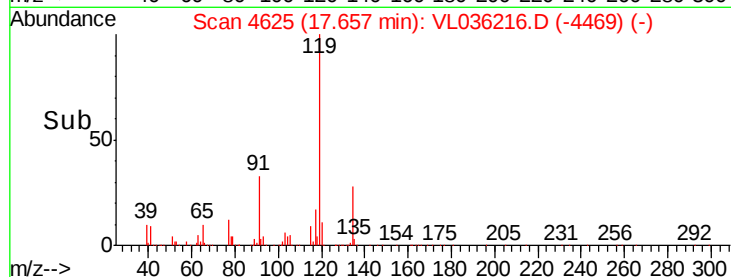
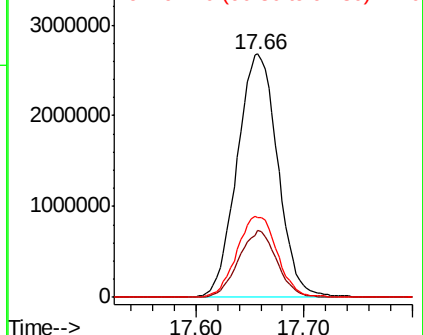
Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.2	30.4
91	33.2	26.0	39.0



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 14.903 ppbv

RT: 18.55 min Scan# 4904

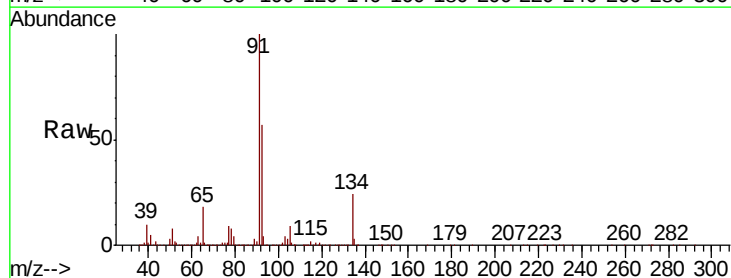
Delta R.T. 0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion: 91 Resp: 7504640

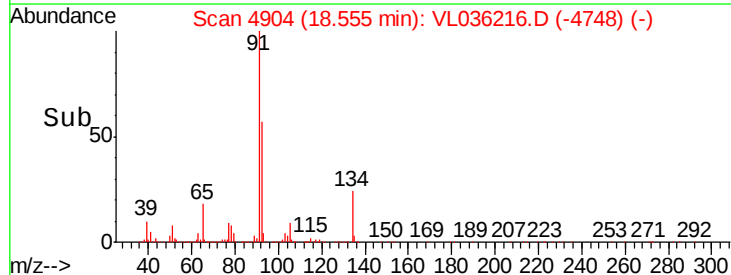
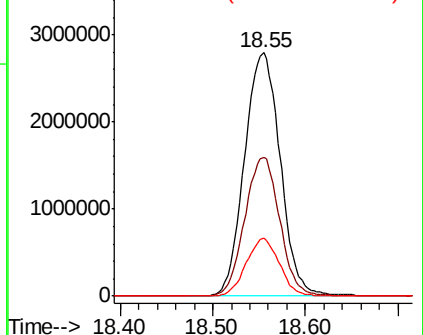
Ion	Ratio	Lower	Upper
91	100		
92	55.8	44.0	66.0
134	22.3	17.0	25.4

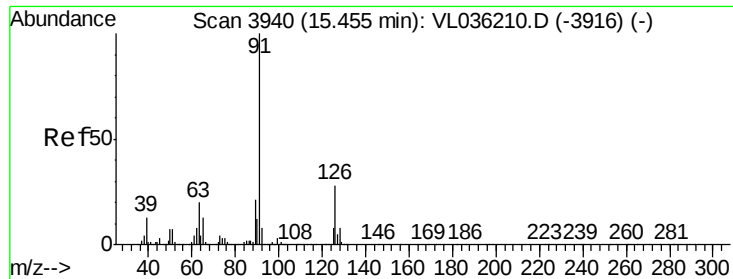


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V

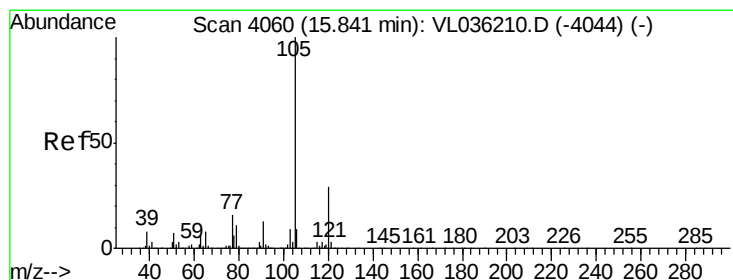
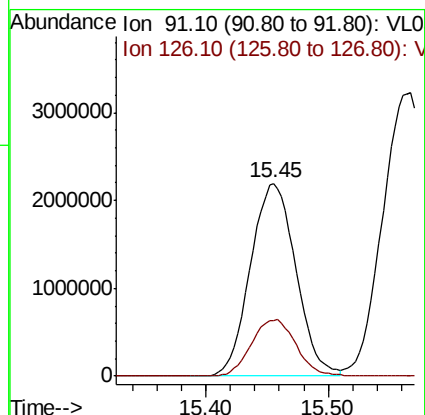
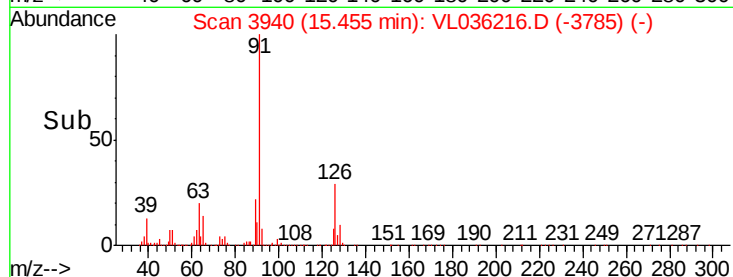
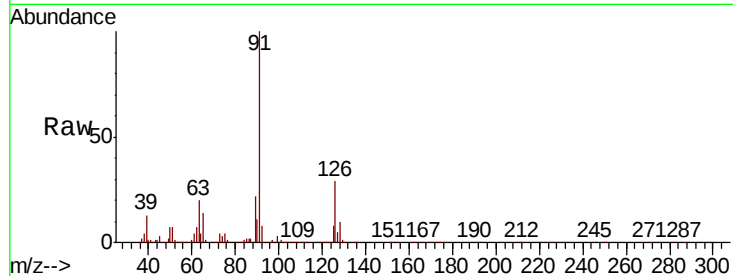




#71
2-Chlorotoluene
Concen: 13.710 ppbv
RT: 15.45 min Scan# 3940
Delta R.T. -0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

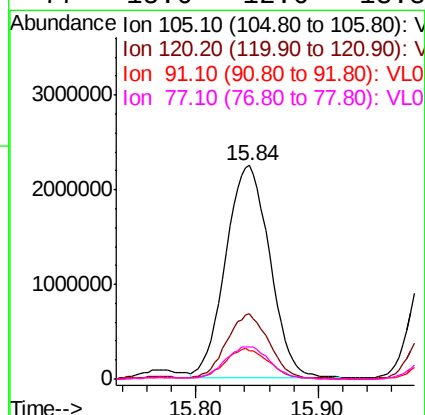
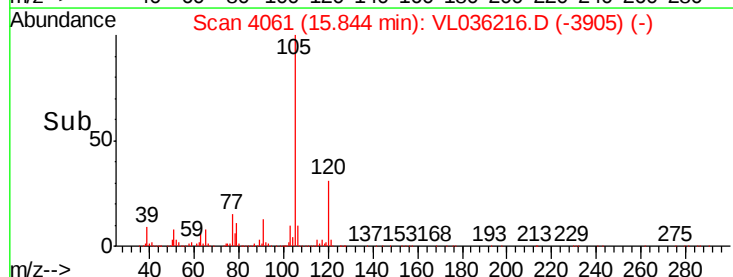
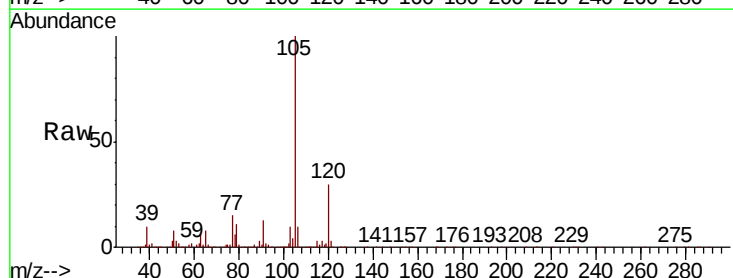
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

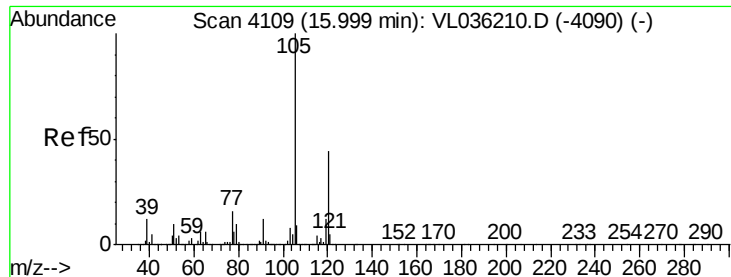
Tot Ion: 91 Resp: 5665314
Ion Ratio Lower Upper
91 100
126 29.2 11.5 45.9



#72
4-Ethyltoluene
Concen: 14.161 ppbv
RT: 15.84 min Scan# 4061
Delta R.T. 0.00 min
Lab File: VL036216.D
Acq: 13 Jan 2021 6:24

Tgt Ion:105 Resp: 5647754
Ion Ratio Lower Upper
105 100
120 29.8 23.7 35.5
91 14.1 11.9 17.9
77 15.6 12.6 18.8

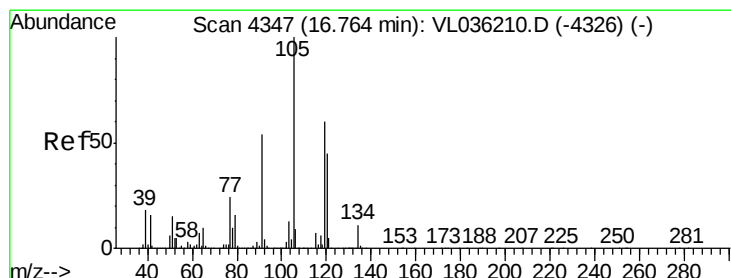
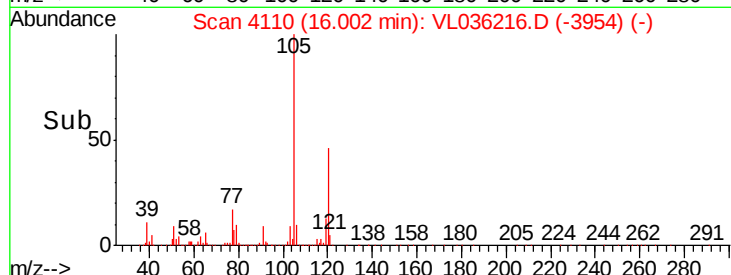
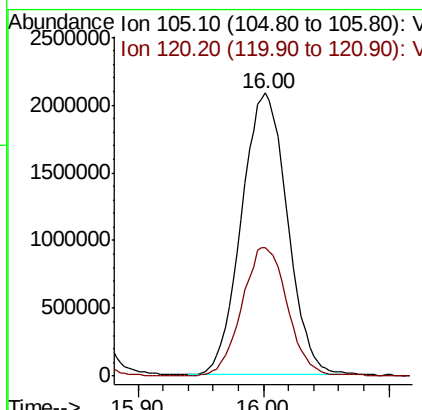
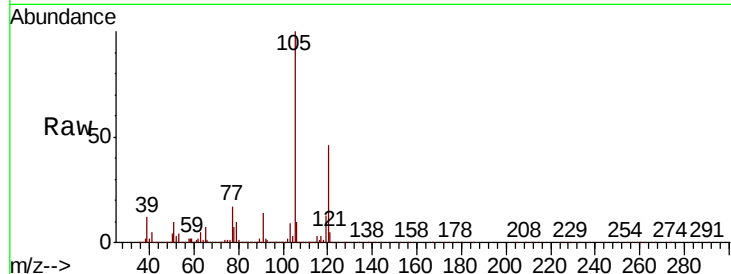




#73
 1,3,5-Trimethylbenzene
 Concen: 13.853 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

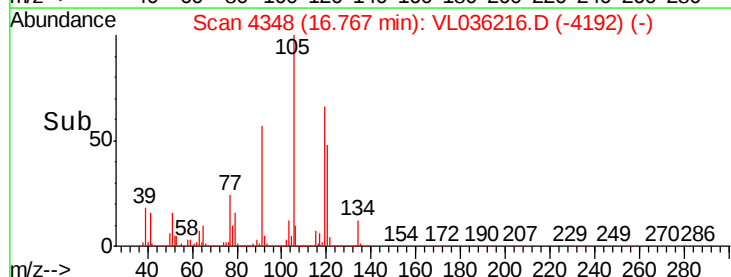
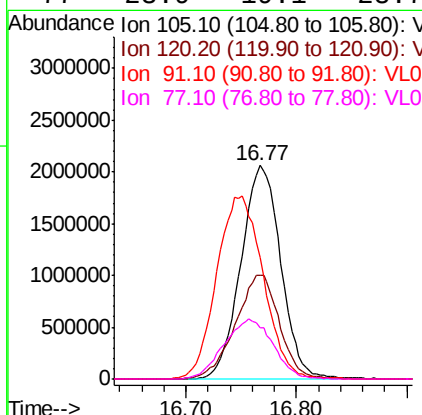
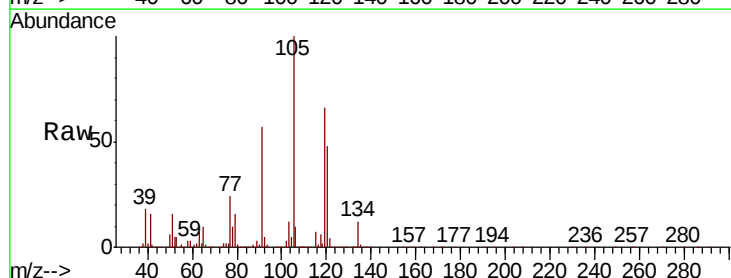
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

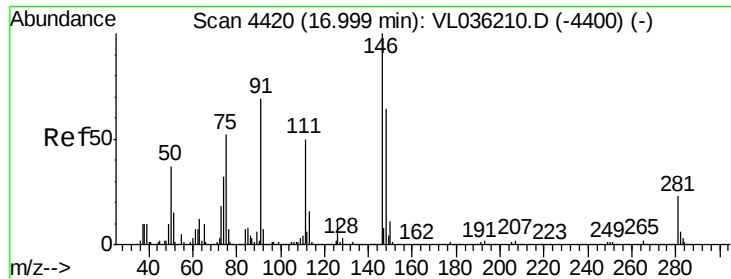
Tot Ion:105 Resp: 5288020
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.5 53.3



#74
 1,2,4-Trimethylbenzene
 Concen: 13.481 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion:105 Resp: 5161094
 Ion Ratio Lower Upper
 105 100
 120 47.9 36.2 54.2
 91 56.4 43.3 64.9
 77 23.9 19.1 28.7

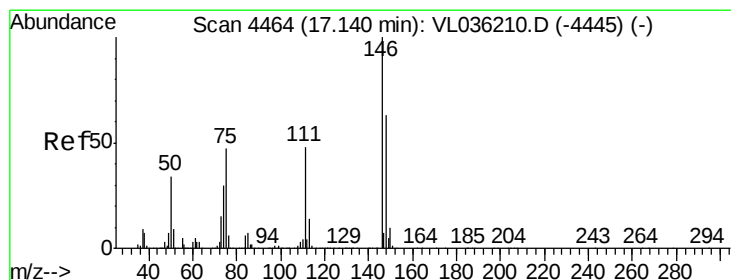
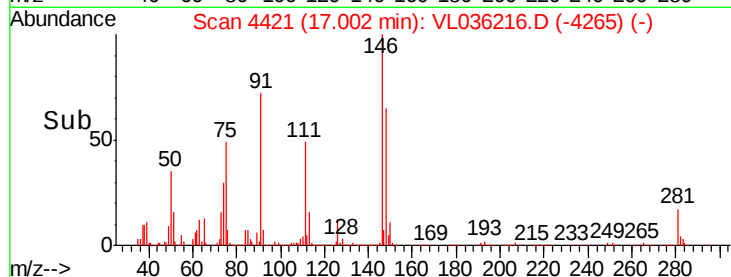
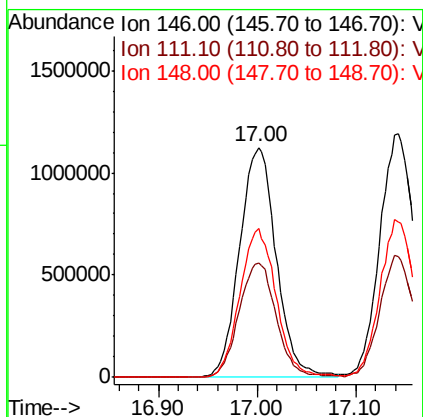
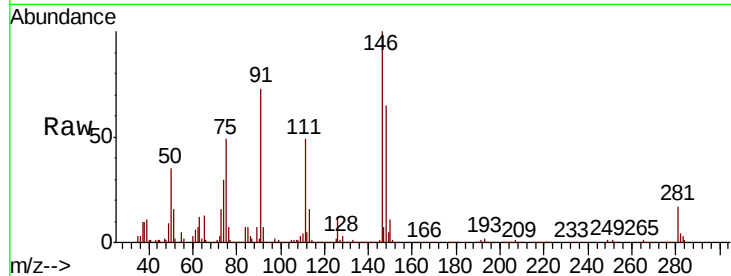




#75
 1,3-Dichlorobenzene
 Concen: 15.003 ppbv
 RT: 17.00 min Scan# 4421
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

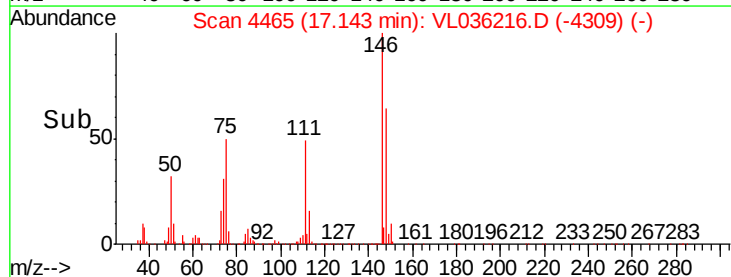
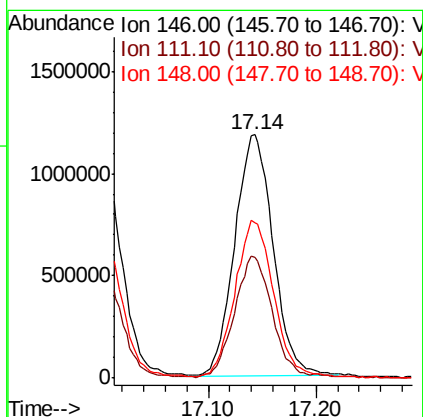
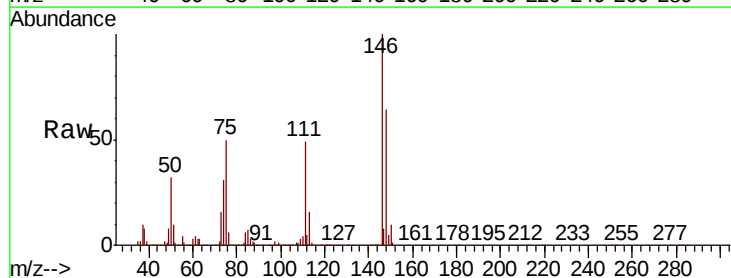
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 ClientSampleId :
 VSTDIC015

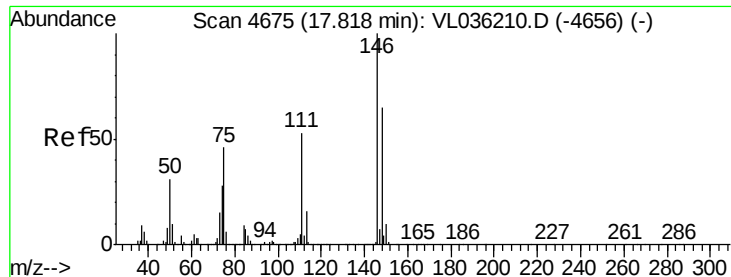
Tot Ion:146 Resp: 2898848
 Ion Ratio Lower Upper
 146 100
 111 50.3 25.5 76.5
 148 64.0 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 14.870 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. 0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion:146 Resp: 2925226
 Ion Ratio Lower Upper
 146 100
 111 50.1 25.4 76.0
 148 66.5 33.3 99.9

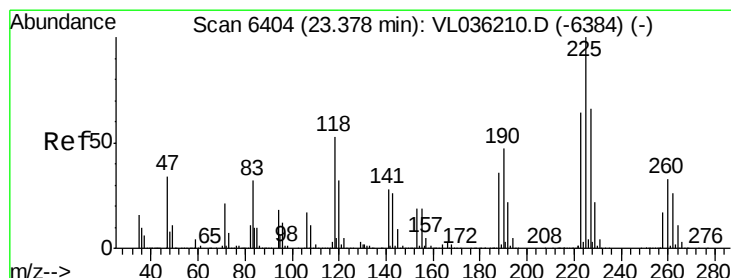
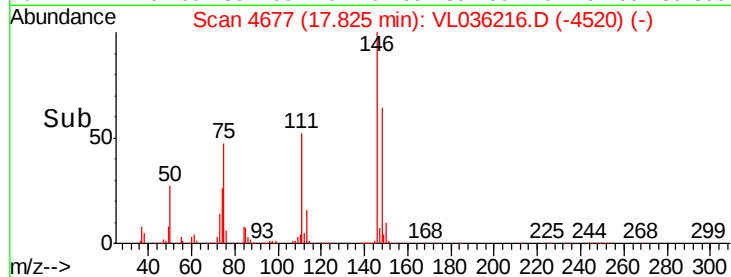
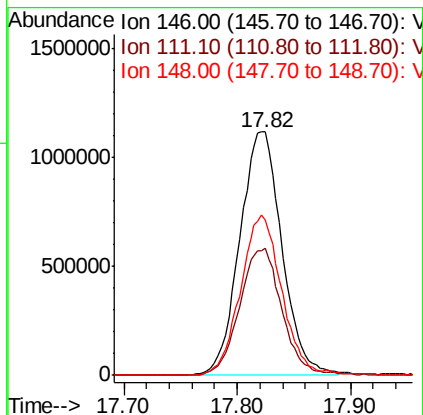
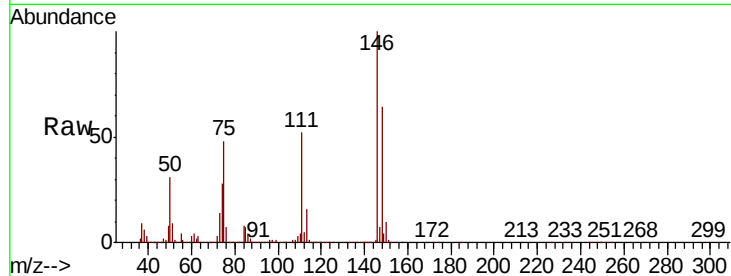




#77
 1,2-Dichlorobenzene
 Concen: 15.434 ppbv
 RT: 17.82 min Scan# 4677
 Delta R.T. 0.01 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

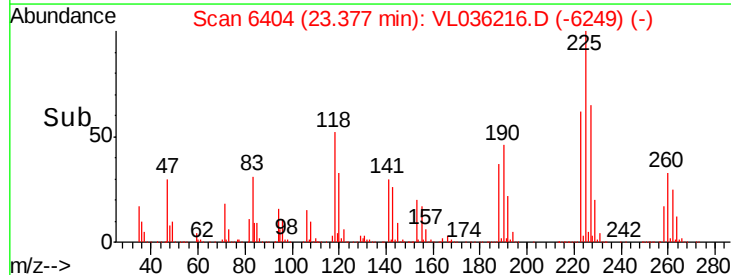
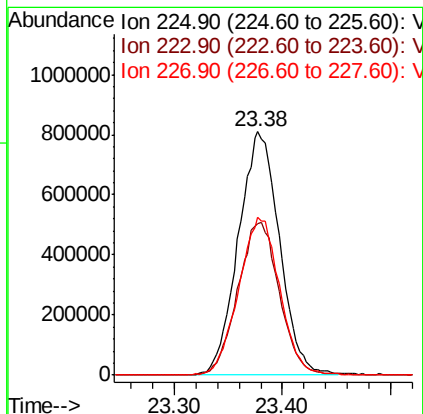
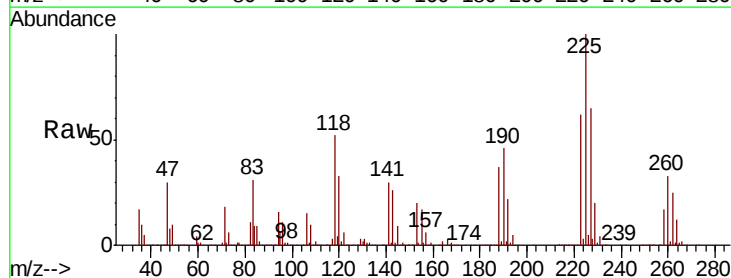
Instrument :
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 ClientSampleId :
 VSTDIC015

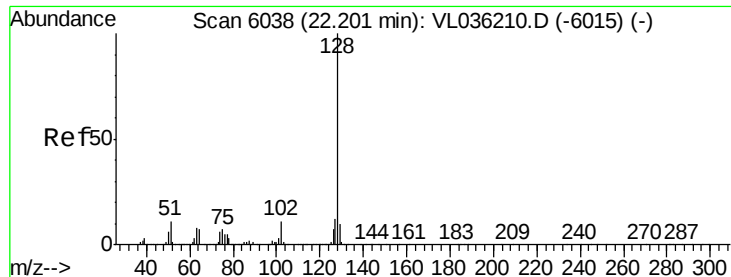
Tot Ion:146 Resp: 2889695
 Ion Ratio Lower Upper
 146 100
 111 52.2 26.5 79.4
 148 64.8 32.8 98.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 14.469 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Tgt Ion:225 Resp: 2139511
 Ion Ratio Lower Upper
 225 100
 223 63.8 50.5 75.7
 227 65.1 51.7 77.5





#79

Naphthalene

Concen: 20.673 ppbv

RT: 22.20 min Scan# 6038

Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Instrument :

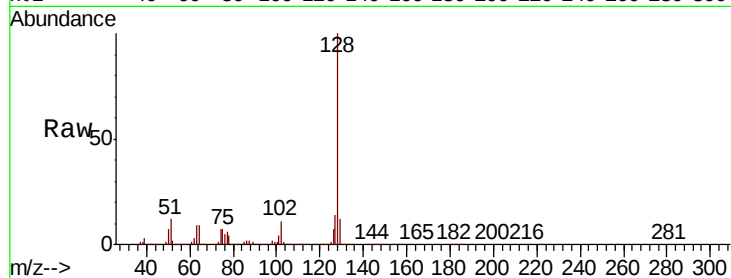
MSVOA_L

ClientSampleId :

VSTDIC015

Tot Ion:128 Resp: 4236197

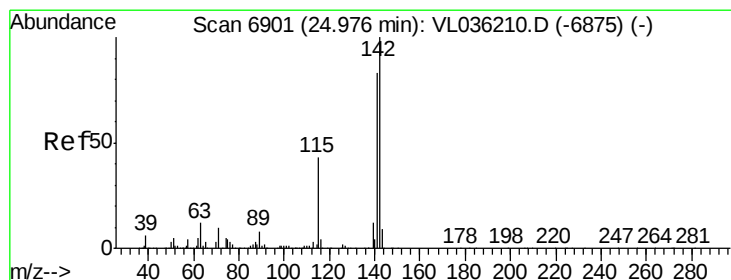
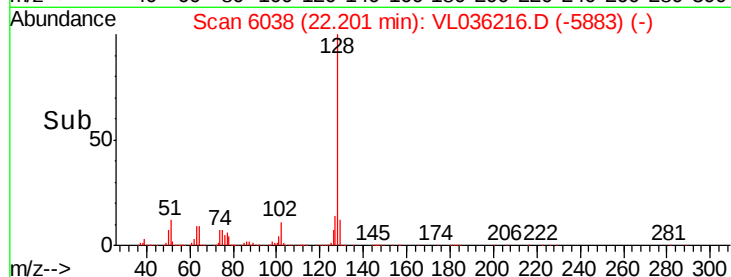
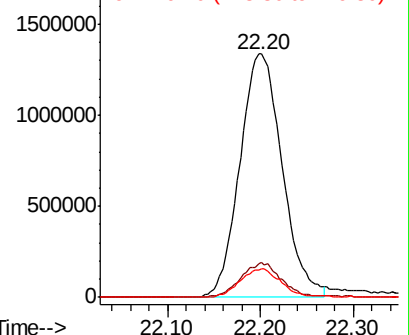
Ion	Ratio	Lower	Upper
128	100		
127	14.4	9.9	14.9
129	11.6	8.4	12.6



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: 29.527 ppbv

RT: 24.98 min Scan# 6901

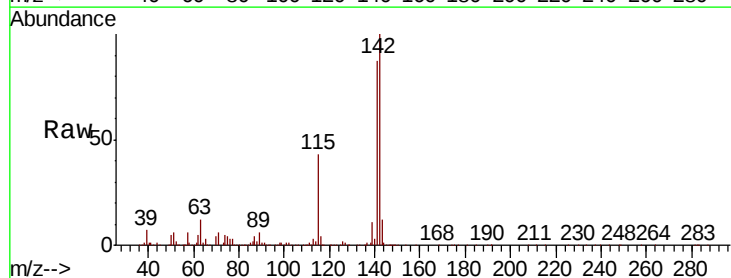
Delta R.T. -0.00 min

Lab File: VL036216.D

Acq: 13 Jan 2021 6:24

Tgt Ion:142 Resp: 1236134

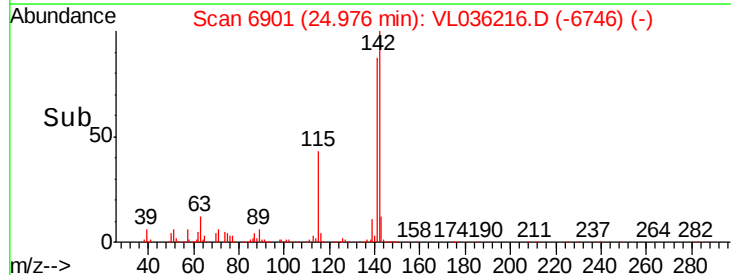
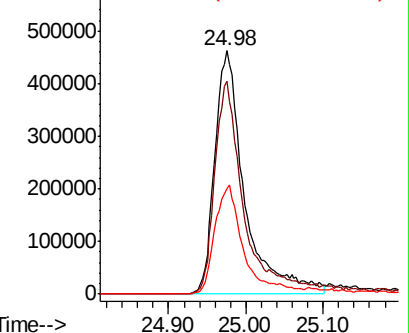
Ion	Ratio	Lower	Upper
142	100		
141	88.1	68.6	102.8
115	45.6	32.9	49.3

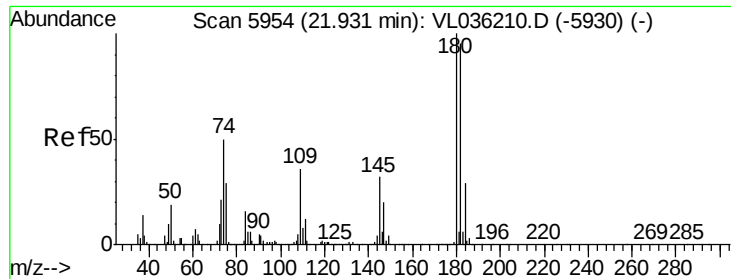


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.741 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.00 min
 Lab File: VL036216.D
 Acq: 13 Jan 2021 6:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tot Ion:180 Resp: 1267961
 Ion Ratio Lower Upper
 180 100
 182 165.9 79.9 119.9#
 184 55.0 25.6 38.4#

