

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035207.D
 Acq On : 16 Jul 2020 23:39
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Quant Time: Jul 17 04:11:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1203024	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2823108	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2940902	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2211317	9.26	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.99	85	1314702	7.798	ppbv	97
3) Chlorodifluoromethane	2.93	51	1217107	9.159	ppbv	100
4) Chloromethane	3.08	50	690591	9.221	ppbv	98
5) Vinyl Chloride	3.20	62	704929	8.808	ppbv	99
6) Bromomethane	3.42	94	437422	9.630	ppbv	96
7) Chloroethane	3.50	64	261680	9.249	ppbv	95
8) Dichlorotetrafluoroethane	3.13	85	1631718	8.830	ppbv	99
9) Propene	2.95	41	474984	9.458	ppbv	97
10) Heptane	8.11	43	1396613	10.833	ppbv	99
11) Trichlorofluoromethane	3.90	101	1739862	9.138	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.44	101	1222615	9.144	ppbv	98
13) Ethanol	3.55	45	122655	7.671	ppbv	89
14) Bromoethene	3.68	108	537576	9.769	ppbv	98
15) Acetone	3.80	43	1342492	8.243	ppbv	100
16) 1,3-Butadiene	3.27	39	624579	9.990	ppbv	99
17) tert-Butyl alcohol	4.24	59	1427320	9.905	ppbv	99
18) 1,1-Dichloroethene	4.24	96	553012	9.341	ppbv	97
19) Isopropyl Alcohol	3.92	45	947433	9.642	ppbv	99
20) Methylene Chloride	4.30	84	539500	7.613	ppbv	97
21) Allyl Chloride	4.37	41	917614	9.680	ppbv	100
22) trans-1,2-Dichloroethene	4.84	96	546042	9.238	ppbv	98
23) Vinyl Acetate	5.03	43	1770929	10.045	ppbv	98
24) 1,1-Dichloroethane	4.97	63	1413900	9.339	ppbv	100
25) Ethyl Acetate	5.65	43	2465066	9.753	ppbv	99
26) Hexane	5.65	57	1106067	9.925	ppbv	99
27) Carbon Disulfide	4.50	76	1531010	9.838	ppbv	100
28) Methyl tert-Butyl Ether	4.99	73	1655273	9.749	ppbv	99
29) Chloroform	5.72	83	1751971	9.377	ppbv	95
30) Cyclohexane	7.11	84	904540	10.970	ppbv	99
31) cis-1,2-Dichloroethene	5.52	61	1069006	10.141	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	1713109	9.149	ppbv	99
34) 2-Butanone	5.21	43	1497013	9.935	ppbv	100
35) Carbon Tetrachloride	7.00	117	1822097	9.943	ppbv	98
36) Benzene	6.87	78	2126941	10.410	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1351843	9.859	ppbv	99
38) Trichloroethene	7.83	130	884501	10.624	ppbv	98
39) 1,2-Dichloropropane	7.60	63	839408	10.330	ppbv	99
40) 1,4-Dioxane	7.82	88	322571	9.972	ppbv	85
41) Tetrahydrofuran	6.02	42	822242	10.906	ppbv	100
42) Bromodichloromethane	7.78	83	1873733	10.233	ppbv	98
43) Methyl Methacrylate	8.00	69	972761	11.262	ppbv	99

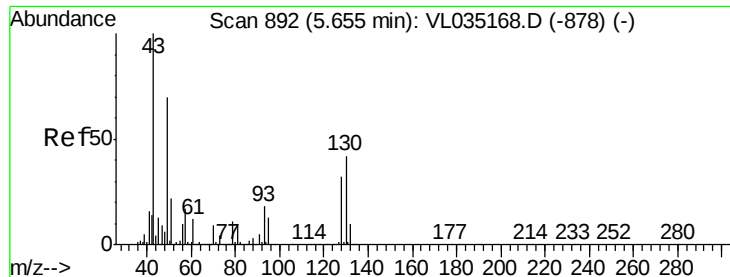
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3776037	10.706	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1109914	12.231	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1295228	12.040	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	920266	10.347	ppbv	98
48) Dibromochloromethane	10.31	129	1583672	10.944	ppbv	100
49) Bromoform	13.06	173	1388955	10.972	ppbv	100
50) 4-Methyl-2-Pentanone	8.73	43	2363541	10.929	ppbv	99
51) 2-Hexanone	10.13	43	1907007	11.565	ppbv #	99
52) Tetrachloroethene	11.23	164	787713	10.322	ppbv	99
53) Toluene	9.80	91	2528429	11.725	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1415146	10.721	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.13	131	1208644	9.276	ppbv #	93
57) Chlorobenzene	12.16	112	1990571	9.184	ppbv	97
58) Ethyl Benzene	12.72	91	3428046	10.546	ppbv	100
59) m/p-Xylene	13.01	91	2955007	10.200	ppbv #	33
60) o-Xylene	13.71	91	2901019	10.037	ppbv	100
61) Styrene	13.54	104	2021835	11.320	ppbv	99
62) Isopropylbenzene	14.68	105	4242367	9.902	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	2067434	8.560	ppbv	100
64) n-propylbenzene	15.57	120	1119268	10.113	ppbv	99
65) tert-Butylbenzene	16.76	119	3786343	9.840	ppbv	100
66) Benzyl Chloride	17.01	91	1521402	11.098	ppbv	100
67) sec-Butylbenzene	17.32	105	5423206	9.668	ppbv	100
69) p-Isopropyltoluene	17.67	119	4457026	10.137	ppbv	100
70) n-Butylbenzene	18.57	91	4626346	9.924	ppbv	100
71) 2-Chlorotoluene	15.47	91	3291200	10.152	ppbv	100
72) 4-Ethyltoluene	15.85	105	3358413	10.312	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	3197518	10.181	ppbv	100
74) 1,2,4-Trimethylbenzene	16.78	105	3318715	9.562	ppbv	97
75) 1,3-Dichlorobenzene	17.02	146	1888599	8.593	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	1891664	9.261	ppbv	99
77) 1,2-Dichlorobenzene	17.84	146	1823205	9.213	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1342942	8.588	ppbv	99
79) Naphthalene	22.24	128	2813383	12.527	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	1087215	20.494	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	1527088	10.733	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.02 min

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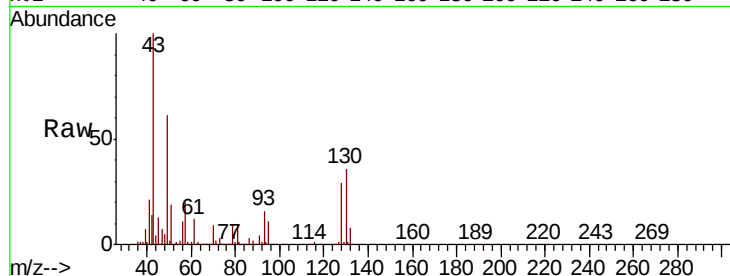
Tot Ion: 49 Resp: 1203024

Ion Ratio Lower Upper

49 100

128 46.6 23.8 71.4

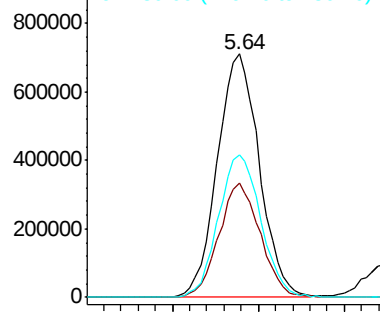
130 59.6 29.9 89.8



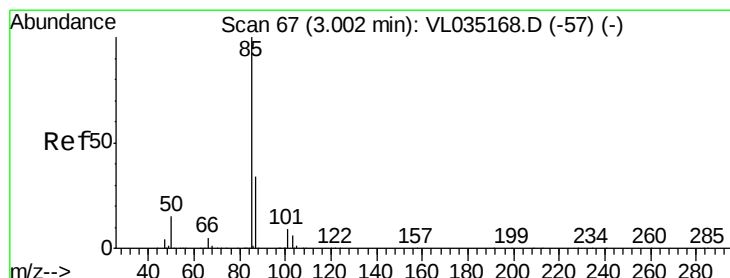
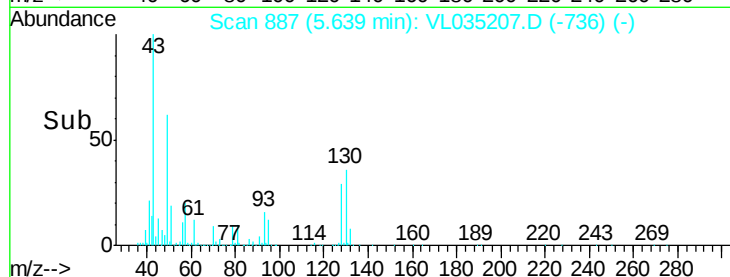
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 7.798 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL035207.D

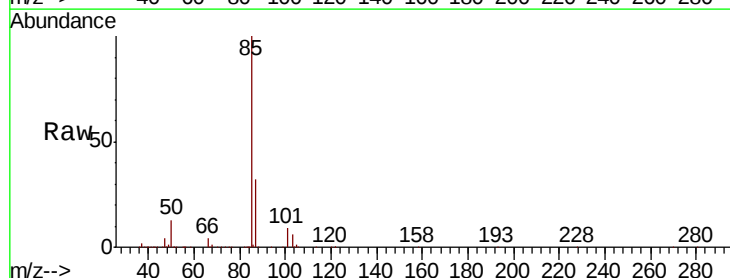
Acq: 16 Jul 2020 23:39

Tgt Ion: 85 Resp: 1314702

Ion Ratio Lower Upper

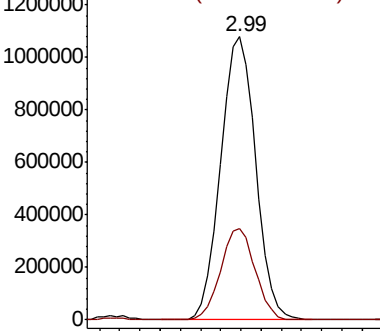
85 100

87 32.1 27.0 40.6

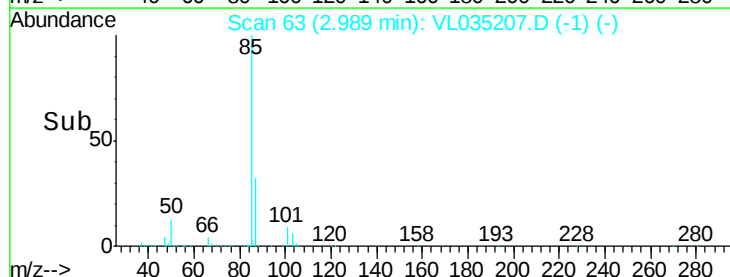


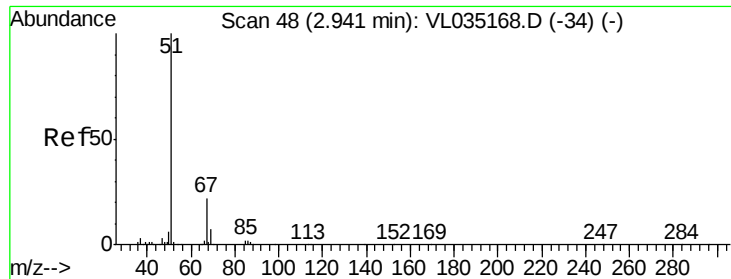
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->

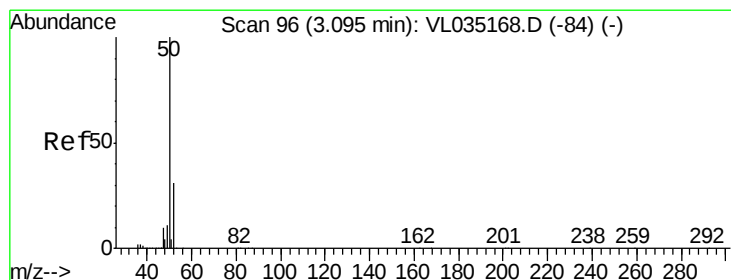
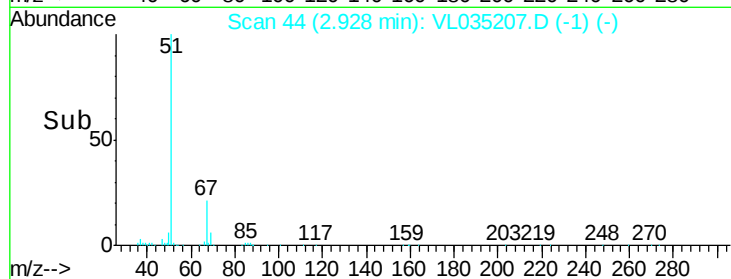
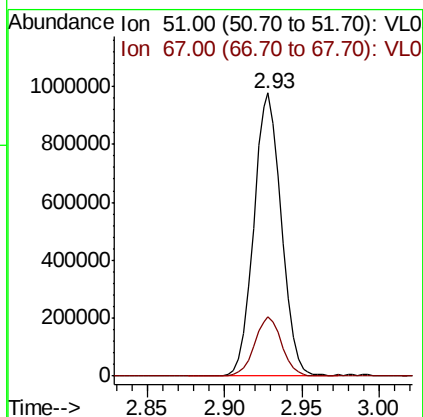
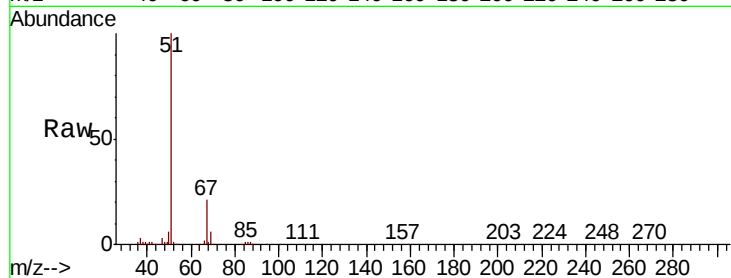




#3
Chlorodifluoromethane
Concen: 9.159 ppbv
RT: 2.93 min Scan# 44
Delta R.T. -0.01 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

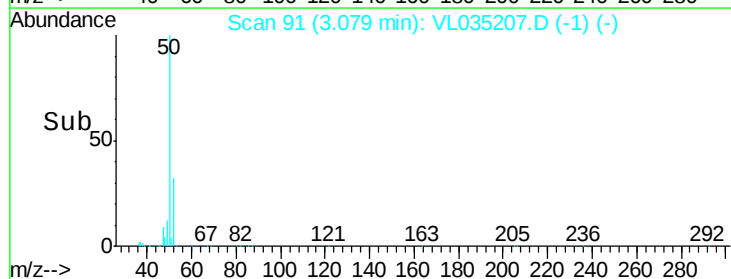
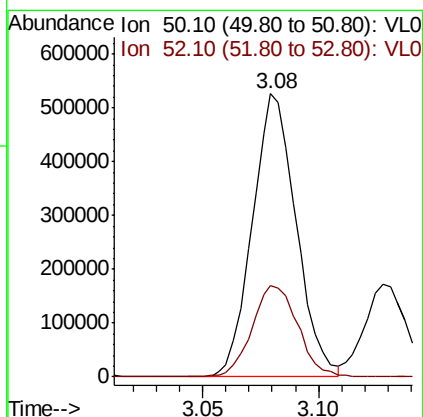
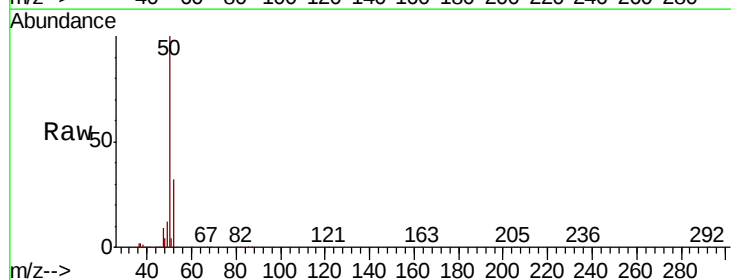
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

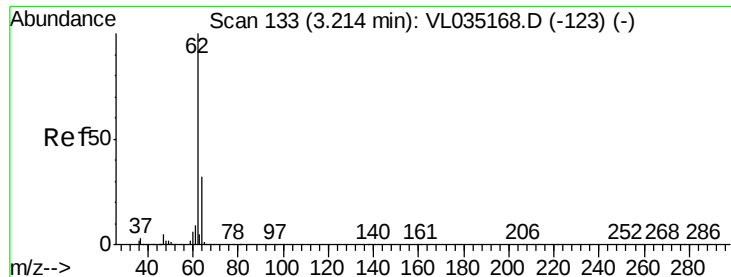
Tot Ion: 51 Resp: 1217107
Ion Ratio Lower Upper
51 100
67 20.6 16.6 24.8



#4
Chloromethane
Concen: 9.221 ppbv
RT: 3.08 min Scan# 91
Delta R.T. -0.02 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

Tgt Ion: 50 Resp: 690591
Ion Ratio Lower Upper
50 100
52 32.4 25.0 37.6





#5

Vinyl Chloride

Concen: 8.808 ppbv

RT: 3.20 min Scan# 128

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

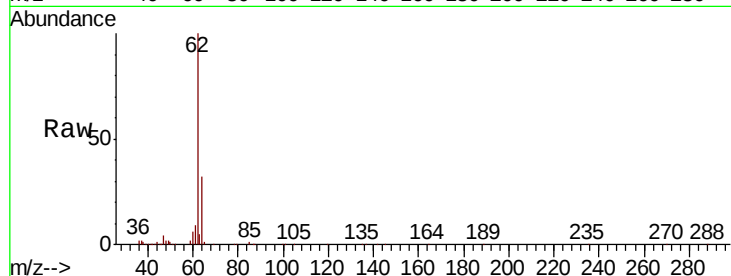
VSTDCCC010EC

Tot Ion: 62 Resp: 704929

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.20

600000

500000

400000

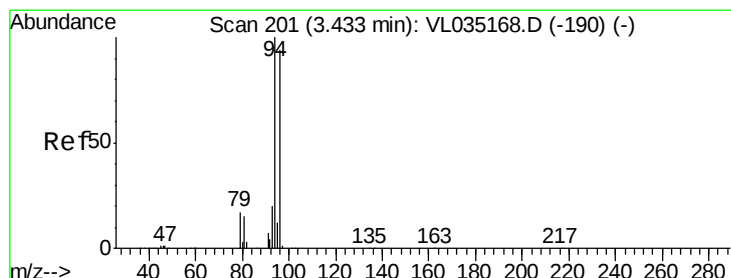
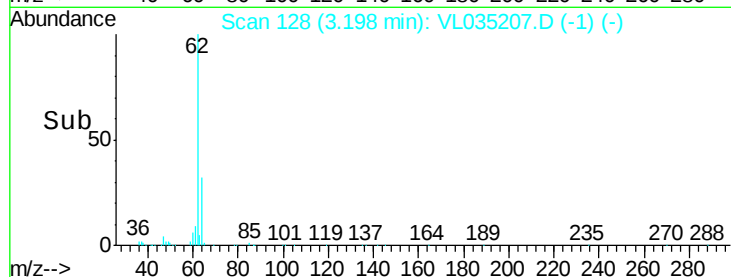
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.630 ppbv

RT: 3.42 min Scan# 196

Delta R.T. -0.02 min

Lab File: VL035207.D

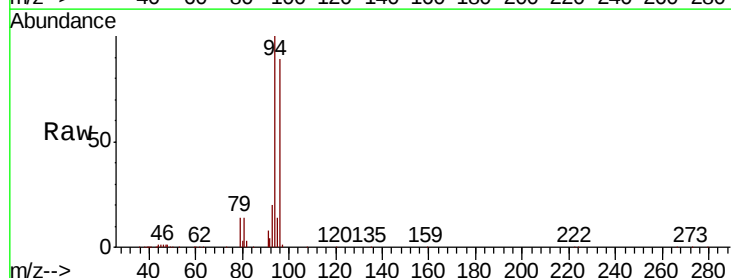
Acq: 16 Jul 2020 23:39

Tgt Ion: 94 Resp: 437422

Ion Ratio Lower Upper

94 100

96 89.4 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.42

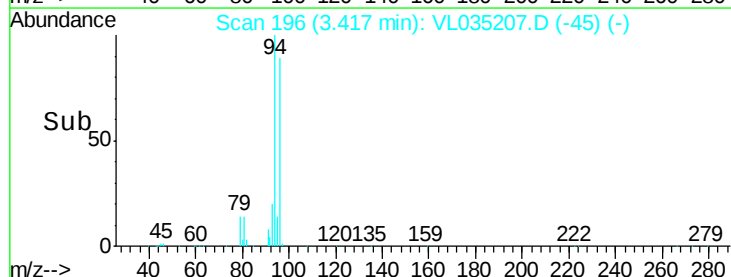
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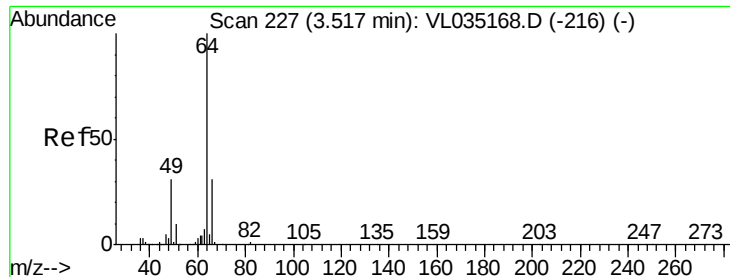
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.249 ppbv

RT: 3.50 min Scan# 222

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

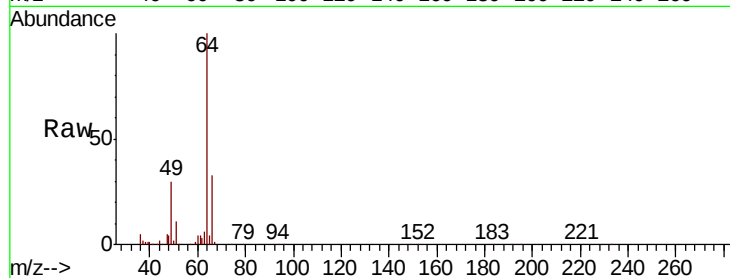
VSTDCCC010EC

Tot Ion: 64 Resp: 261680

Ion Ratio Lower Upper

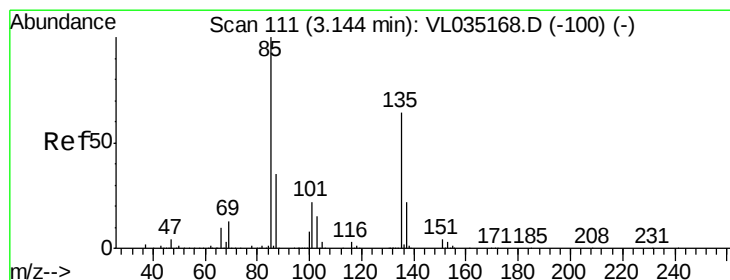
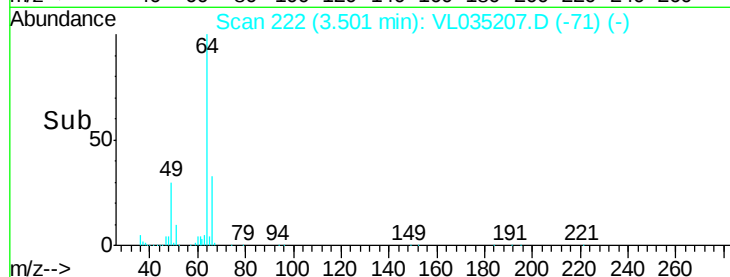
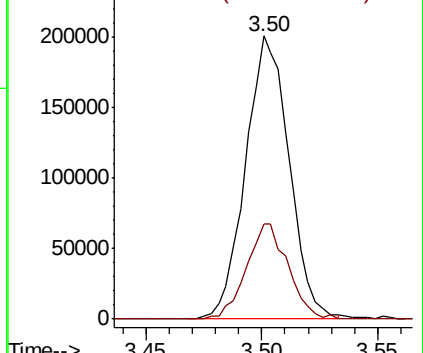
64 100

66 33.4 24.6 36.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.830 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL035207.D

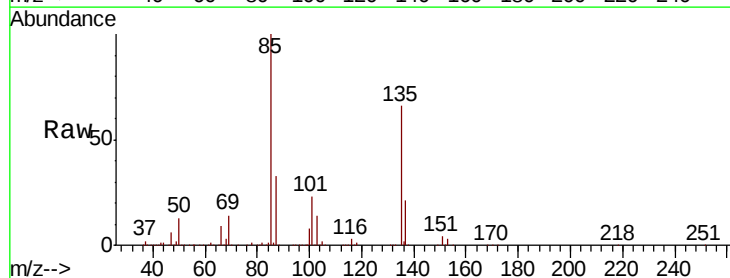
Acq: 16 Jul 2020 23:39

Tgt Ion: 85 Resp: 1631718

Ion Ratio Lower Upper

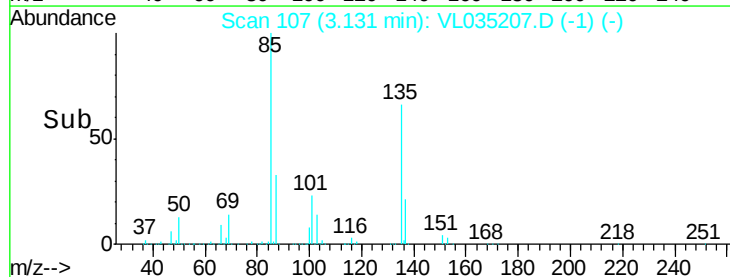
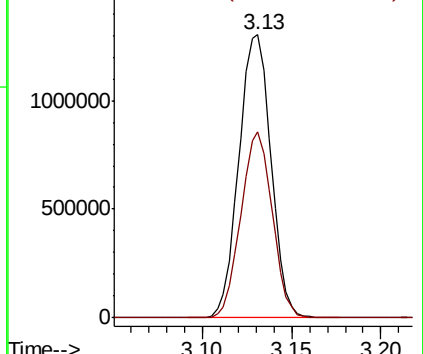
85 100

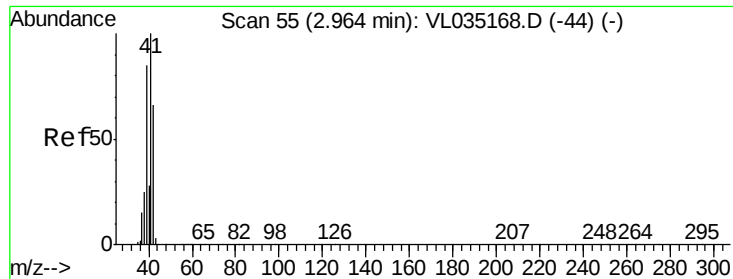
135 64.5 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.458 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.01 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

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ClientSampleId :

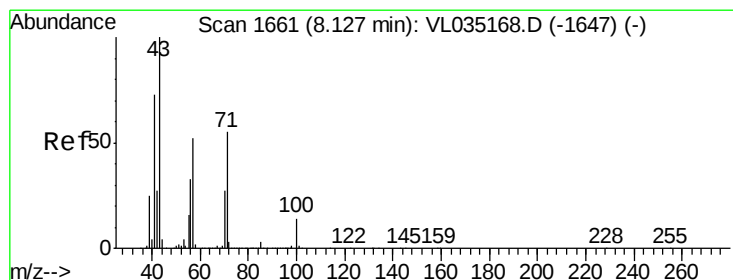
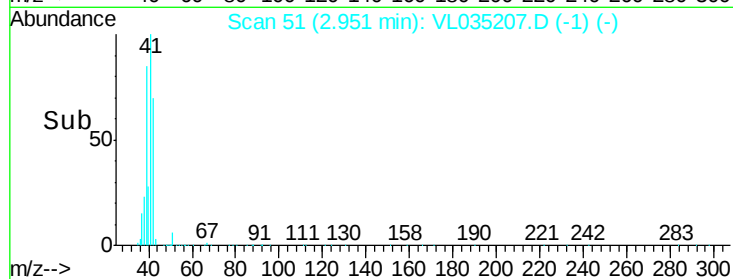
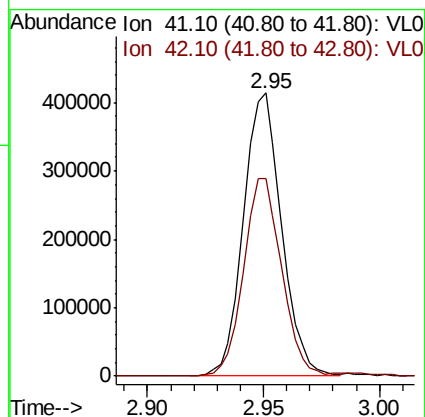
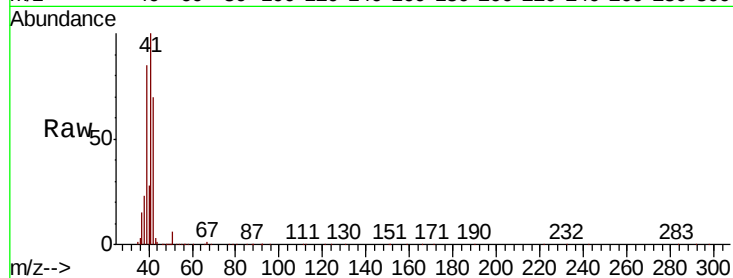
VSTDCCC010EC

Tot Ion: 41 Resp: 474984

Ion Ratio Lower Upper

41 100

42 71.0 54.6 81.8



#10

Heptane

Concen: 10.833 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.02 min

Lab File: VL035207.D

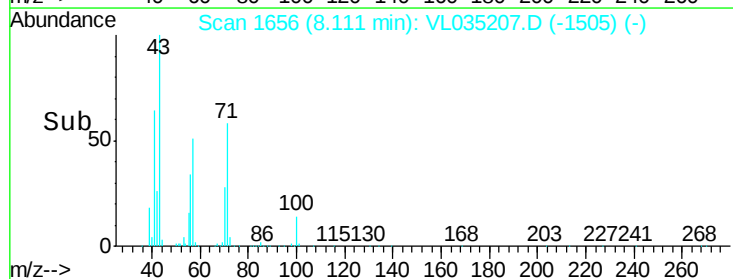
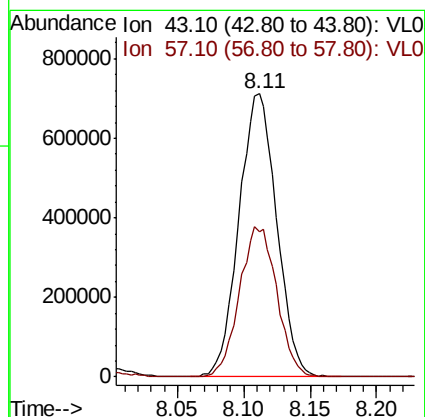
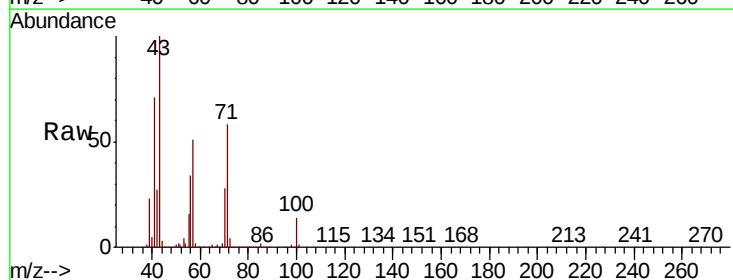
Acq: 16 Jul 2020 23:39

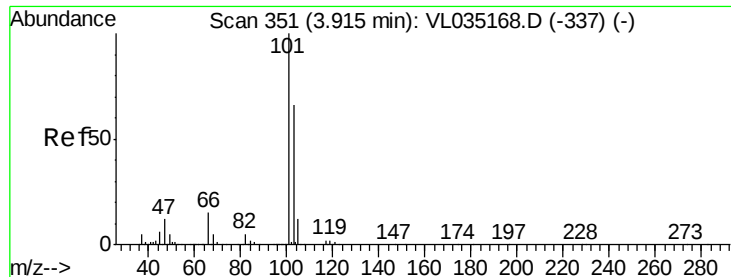
Tgt Ion: 43 Resp: 1396613

Ion Ratio Lower Upper

43 100

57 53.1 41.8 62.6





#11

Trichlorofluoromethane

Concen: 9.138 ppbv

RT: 3.90 min Scan# 346

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

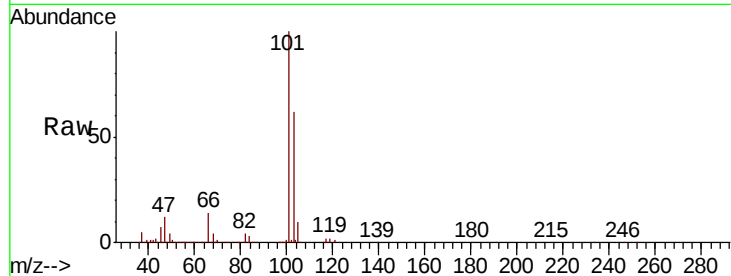
VSTDCCC010EC

Tot Ion:101 Resp: 1739862

Ion Ratio Lower Upper

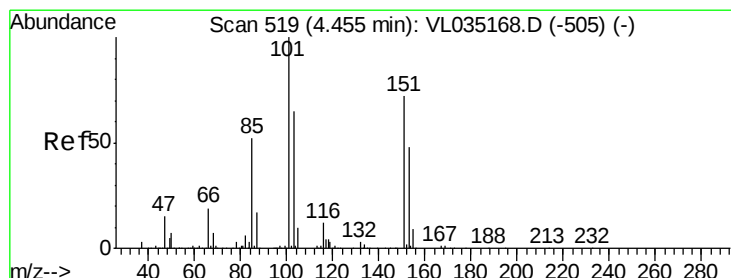
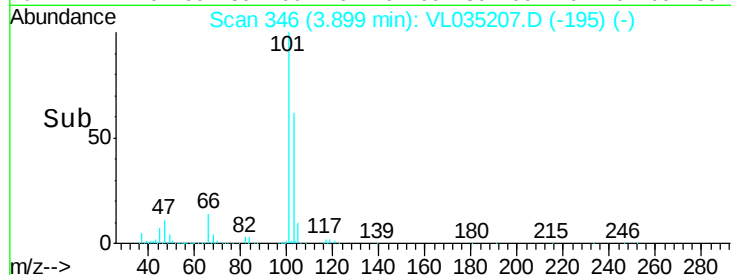
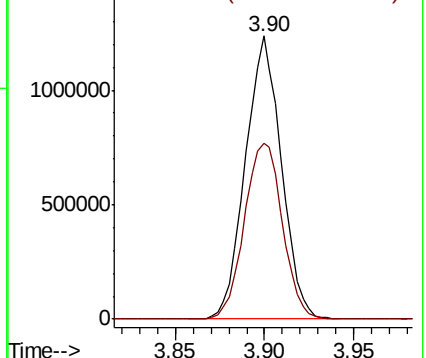
101 100

103 62.2 53.1 79.7



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: 9.144 ppbv

RT: 4.44 min Scan# 514

Delta R.T. -0.02 min

Lab File: VL035207.D

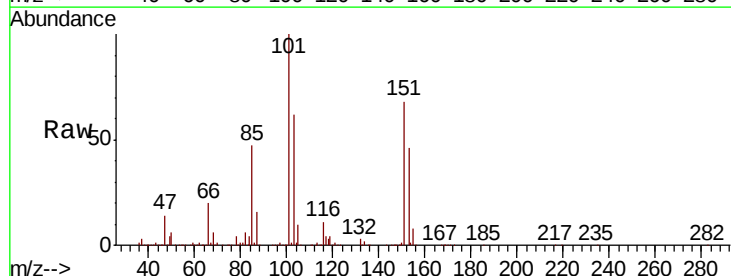
Acq: 16 Jul 2020 23:39

Tgt Ion:101 Resp: 1222615

Ion Ratio Lower Upper

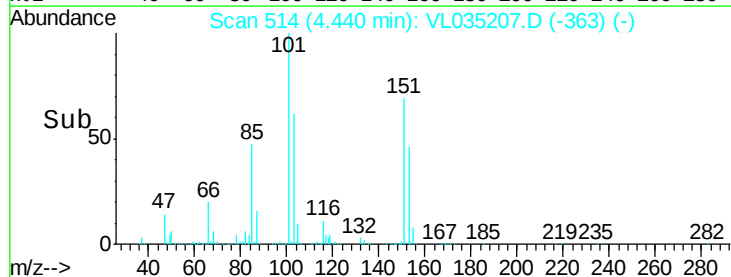
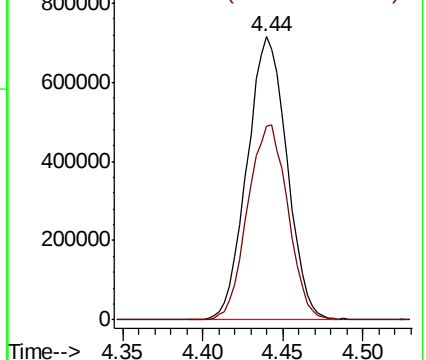
101 100

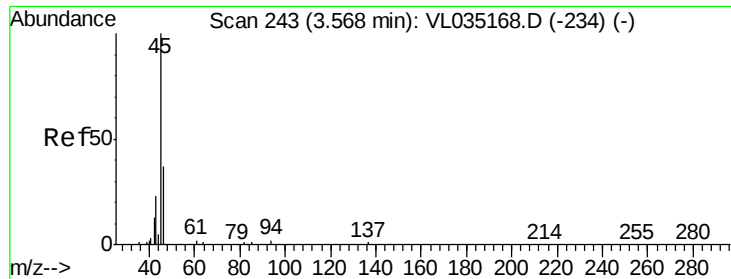
151 69.9 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 7.671 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

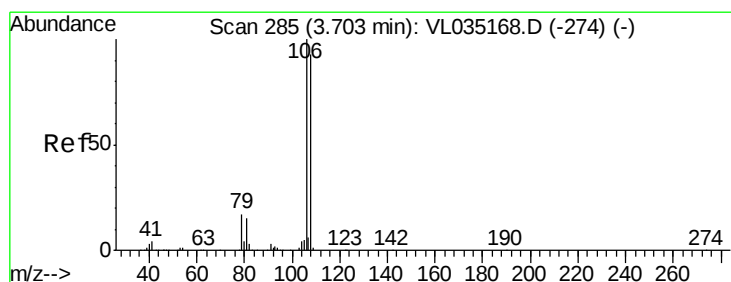
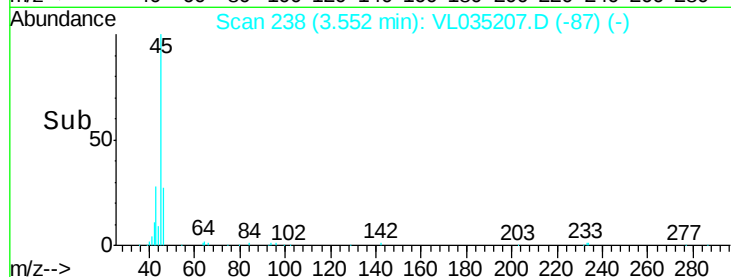
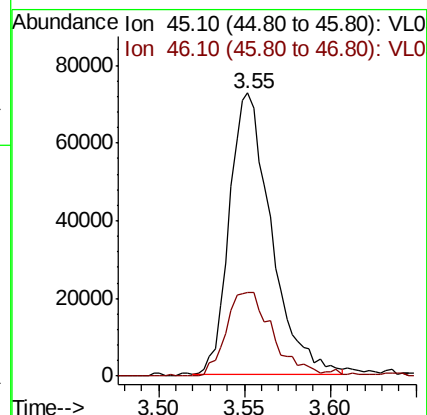
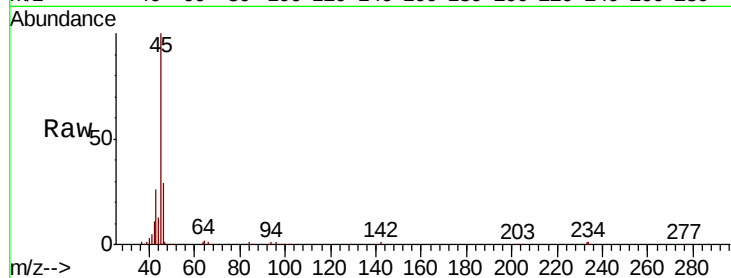
VSTDCCC010EC

Tot Ion: 45 Resp: 122655

Ion Ratio Lower Upper

45 100

46 34.0 16.2 65.0



#14

Bromoethene

Concen: 9.769 ppbv

RT: 3.68 min Scan# 279

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

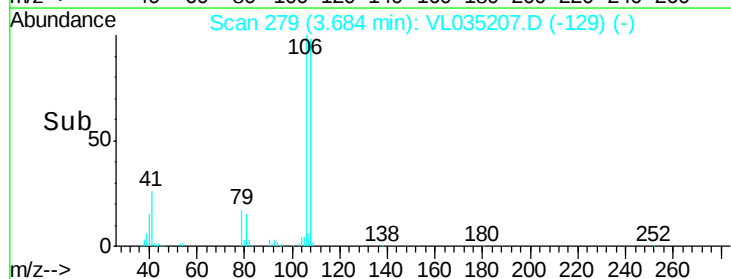
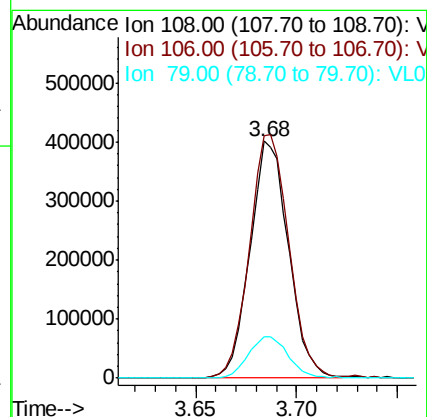
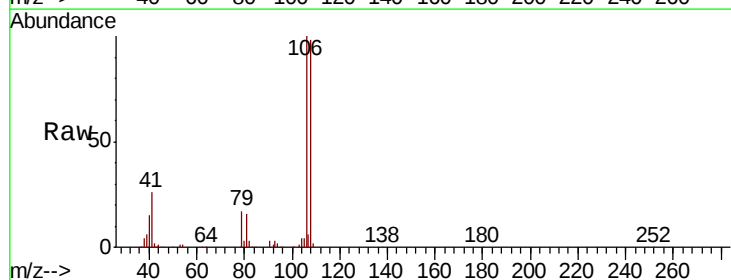
Tgt Ion: 108 Resp: 537576

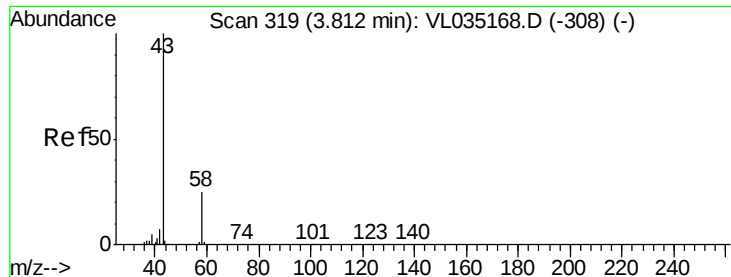
Ion Ratio Lower Upper

108 100

106 105.6 86.2 129.2

79 18.3 15.0 22.6





#15

Acetone

Concen: 8.243 ppbv

RT: 3.80 min Scan# 315

Delta R.T. -0.01 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

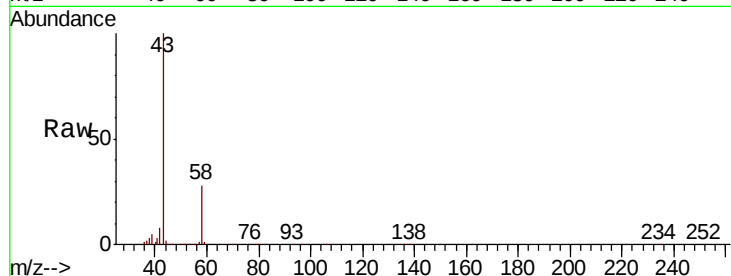
VSTDCCC010EC

Tot Ion: 43 Resp: 1342492

Ion Ratio Lower Upper

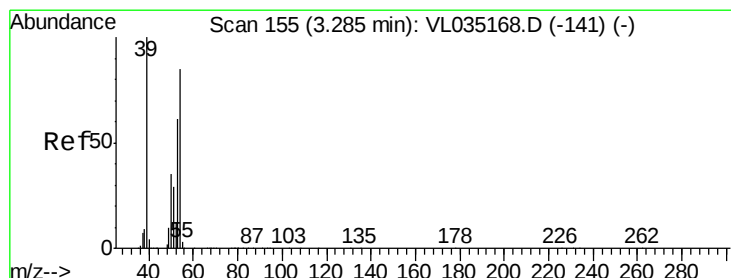
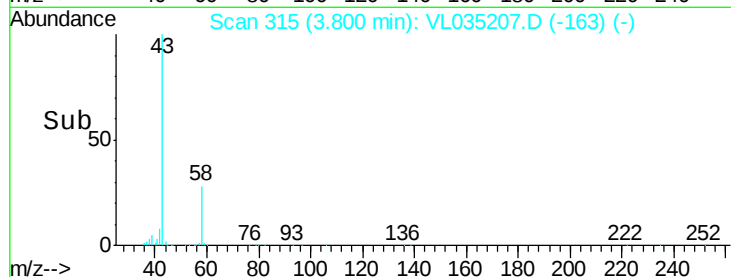
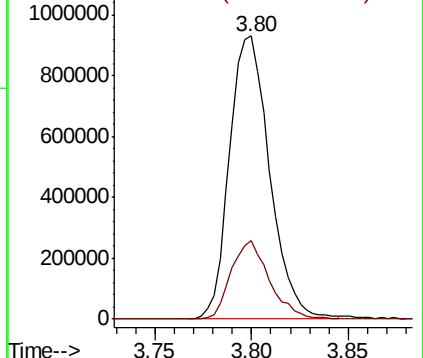
43 100

58 26.7 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.990 ppbv

RT: 3.27 min Scan# 150

Delta R.T. -0.02 min

Lab File: VL035207.D

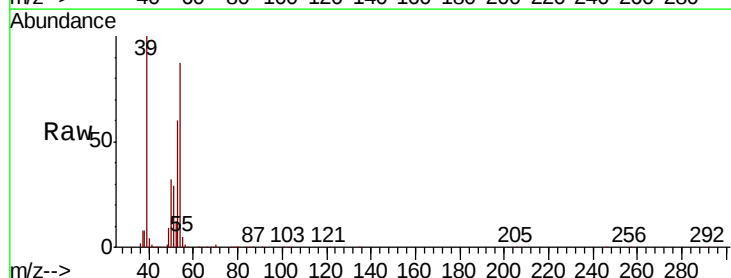
Acq: 16 Jul 2020 23:39

Tgt Ion: 39 Resp: 624579

Ion Ratio Lower Upper

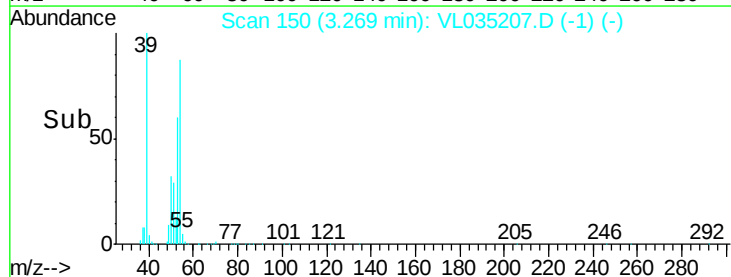
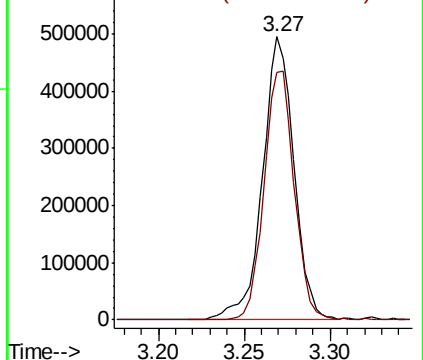
39 100

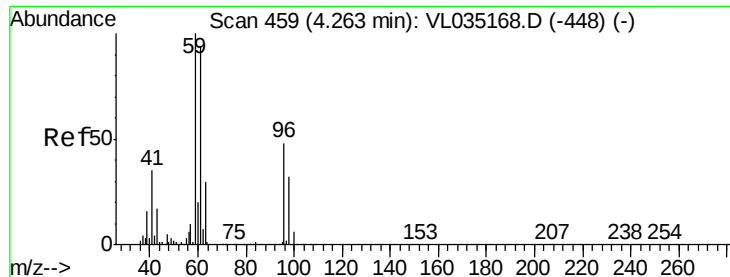
54 85.0 67.2 100.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



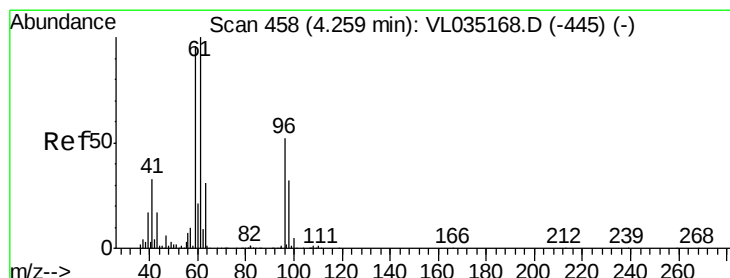
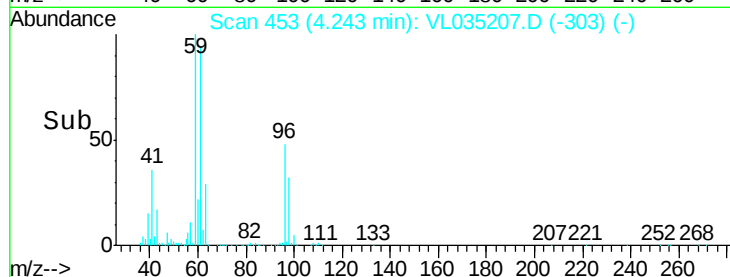
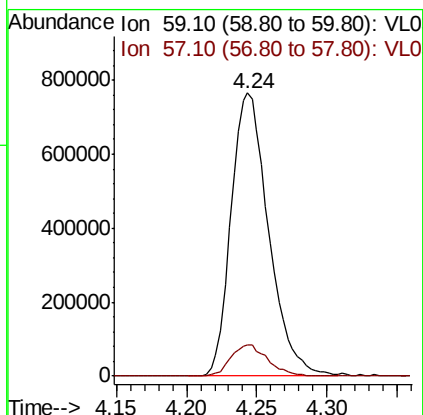
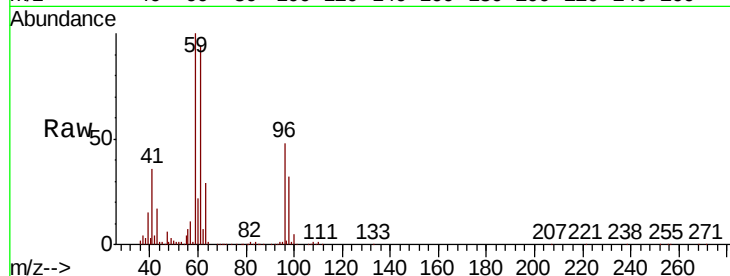


#17

tert-Butyl alcohol
 Concen: 9.905 ppbv
 RT: 4.24 min Scan# 453
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

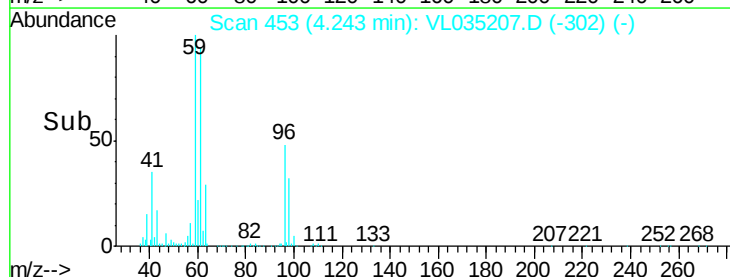
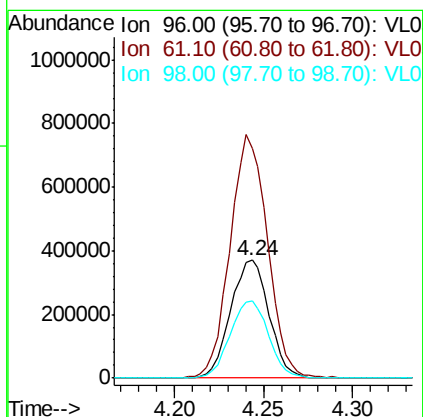
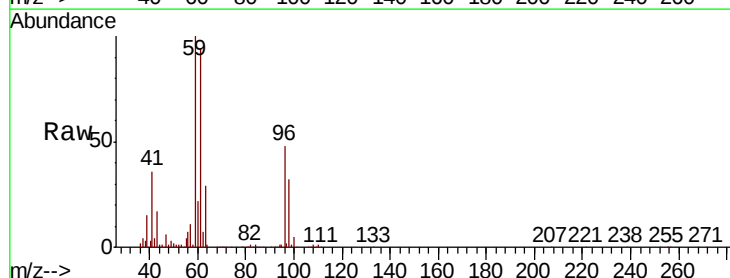
Tot Ion: 59 Resp: 1427320
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.6 12.8

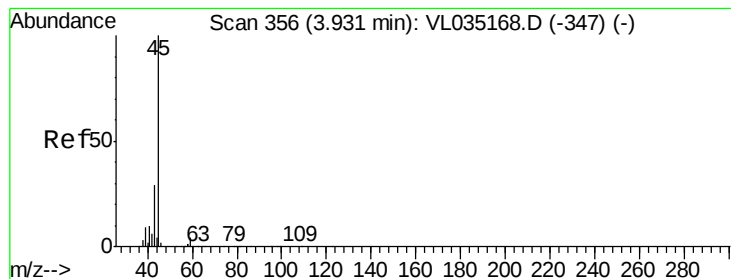


#18

1,1-Dichloroethene
 Concen: 9.341 ppbv
 RT: 4.24 min Scan# 453
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Tgt Ion: 96 Resp: 553012
 Ion Ratio Lower Upper
 96 100
 61 194.7 152.9 229.3
 98 65.4 48.7 73.1





#19

Isopropyl Alcohol

Concen: 9.642 ppbv

RT: 3.92 min Scan# 351

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

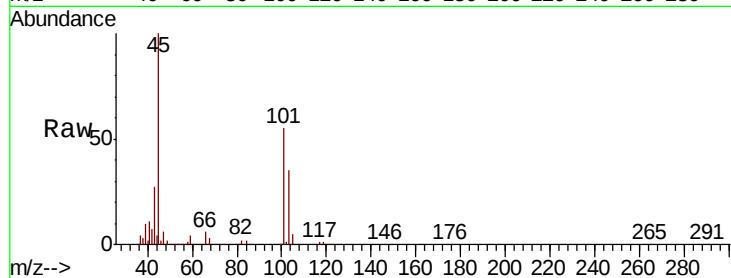
VSTDCCC010EC

Tot Ion: 45 Resp: 947433

Ion Ratio Lower Upper

45 100

58 2.4 2.1 3.1



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.92

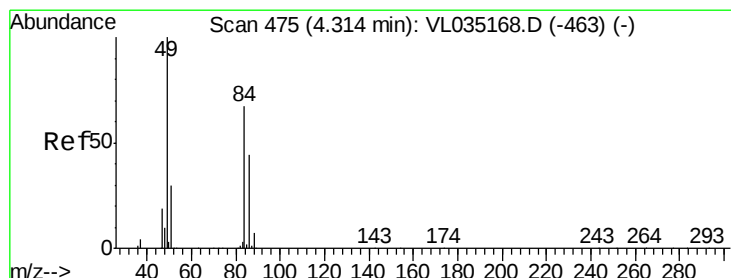
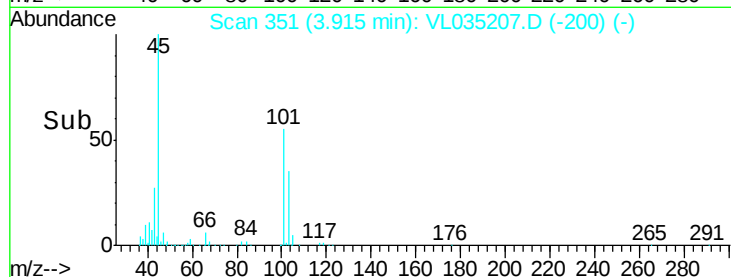
600000

400000

200000

0

Time-->



#20

Methylene Chloride

Concen: 7.613 ppbv

RT: 4.30 min Scan# 470

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Tgt Ion: 84 Resp: 539500

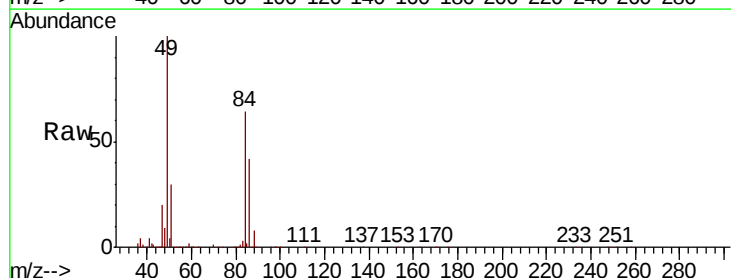
Ion Ratio Lower Upper

84 100

49 154.8 119.4 179.0

51 46.8 36.6 55.0

86 66.1 52.5 78.7



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

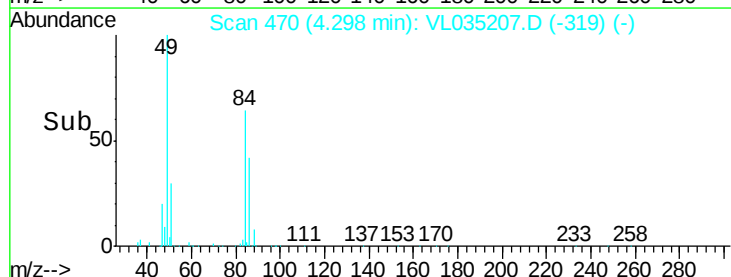
600000

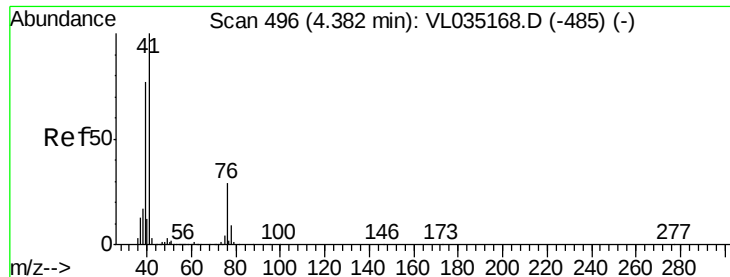
400000

200000

0

Time-->





#21

Allvl Chloride

Concen: 9.680 ppbv

RT: 4.37 min Scan# 491

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

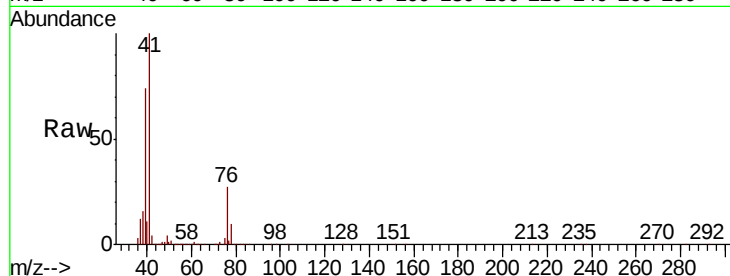
Tot Ion: 41 Resp: 917614

Ion Ratio Lower Upper

41 100

76 29.1 23.5 35.3

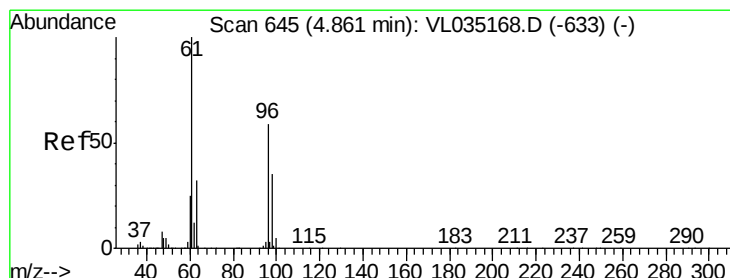
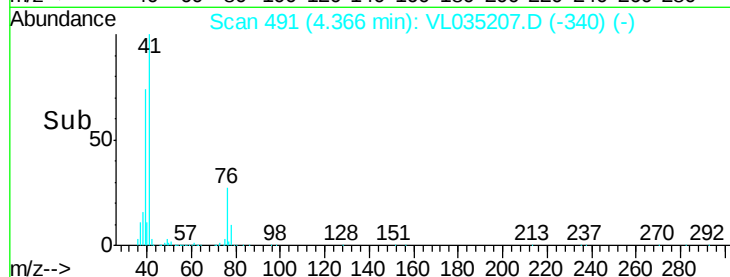
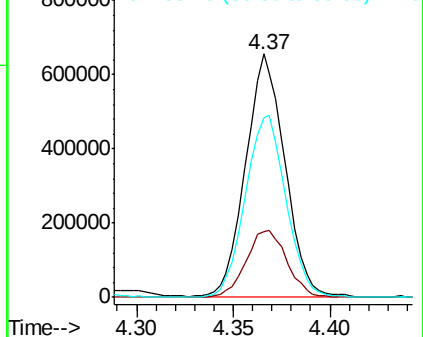
39 78.8 63.4 95.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.238 ppbv

RT: 4.84 min Scan# 640

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

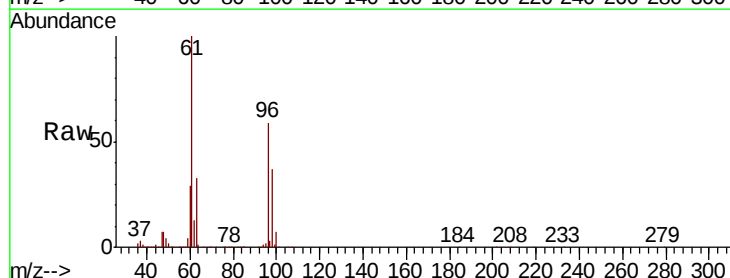
Tgt Ion: 96 Resp: 546042

Ion Ratio Lower Upper

96 100

61 169.1 136.5 204.7

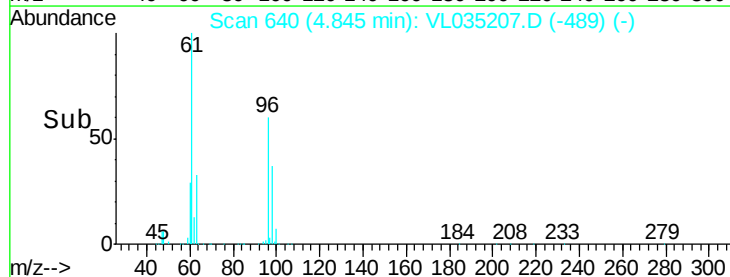
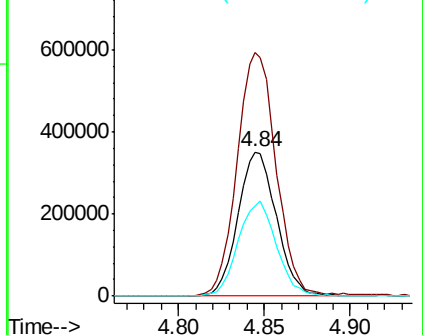
98 62.5 47.5 71.3

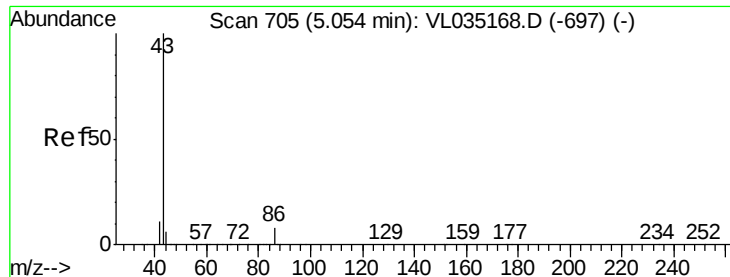


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.045 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

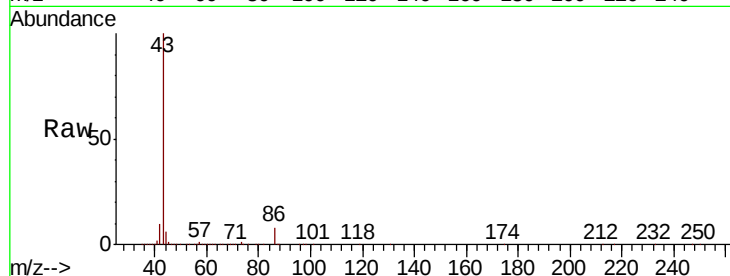
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1770929

Ion	Ratio	Lower	Upper
43	100		
86	7.6	6.2	9.2
42	9.9	9.1	13.7
44	5.5	4.6	6.8

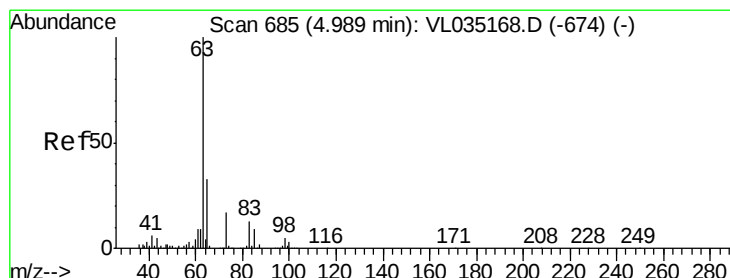
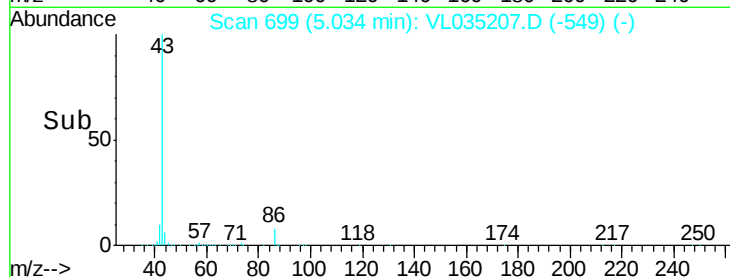
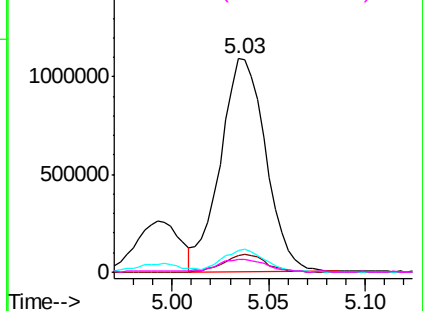


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.339 ppbv

RT: 4.97 min Scan# 680

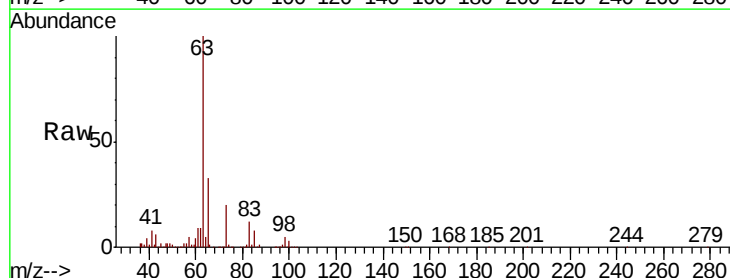
Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Tgt Ion: 63 Resp: 1413900

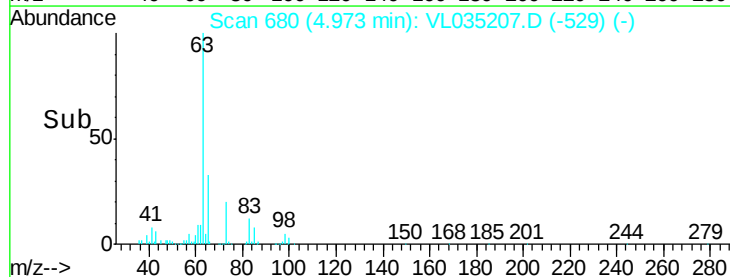
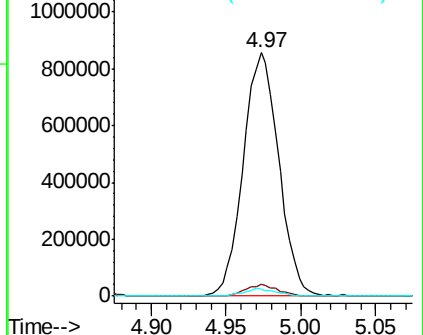
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.1
100	2.9	1.4	4.0

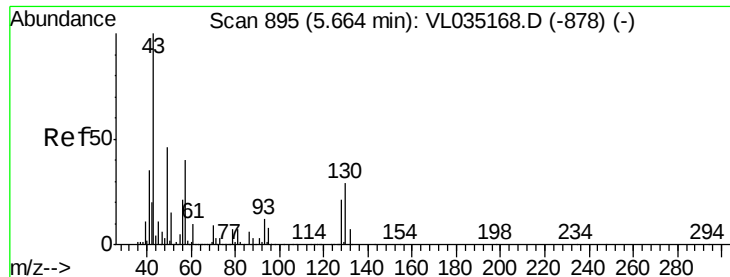


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.753 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2465066

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	9.9	8.1	12.1
70	7.7	6.3	9.5

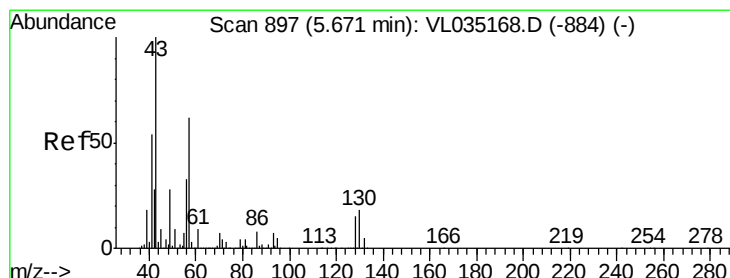
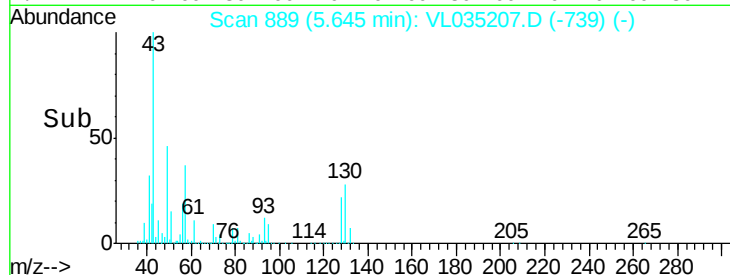
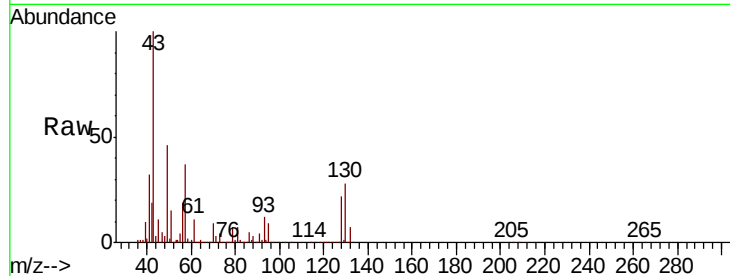
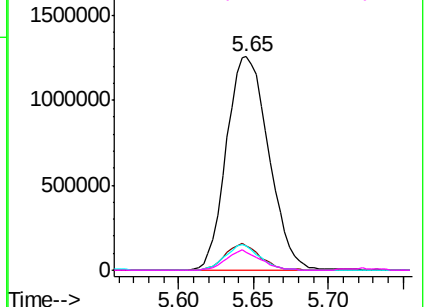
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.925 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Tgt Ion: 57 Resp: 1106067

Ion	Ratio	Lower	Upper
57	100		
41	94.0	72.9	109.3
43	224.7	179.5	269.3
56	53.9	42.9	64.3

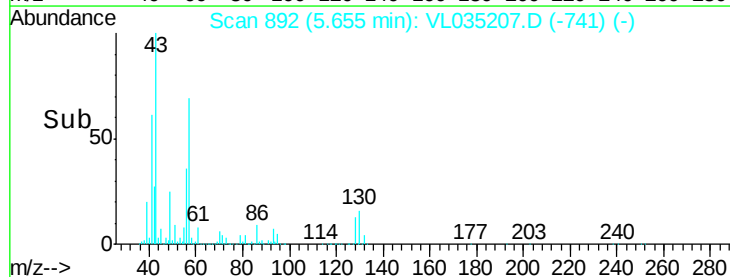
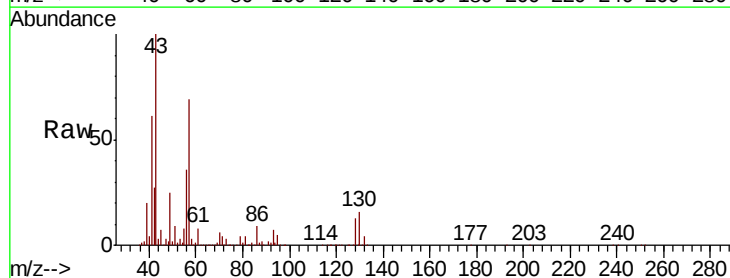
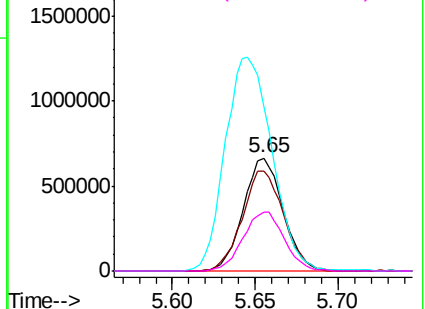
Abundance

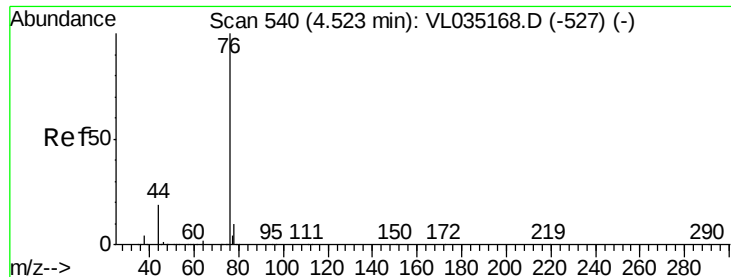
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.838 ppbv

RT: 4.50 min Scan# 534

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

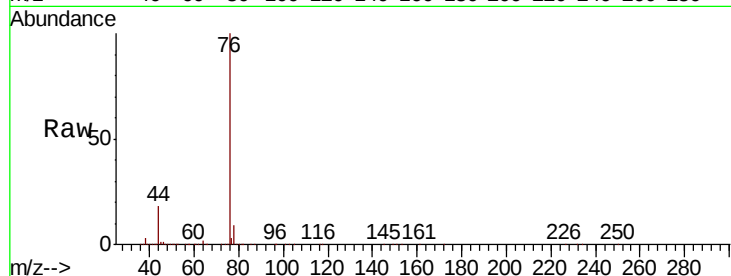
Tot Ion: 76 Resp: 1531010

Ion	Ratio	Lower	Upper
76	100		
44	18.5	14.9	22.3
78	9.5	7.5	11.3

76 100

44 18.5 14.9 22.3

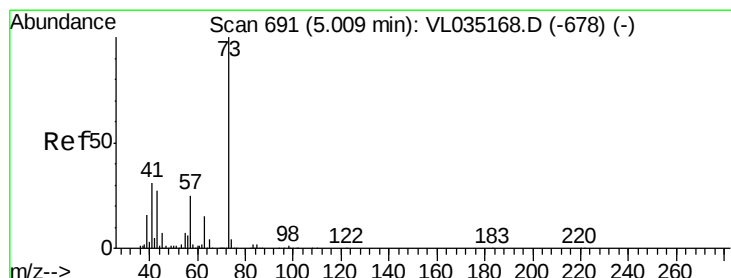
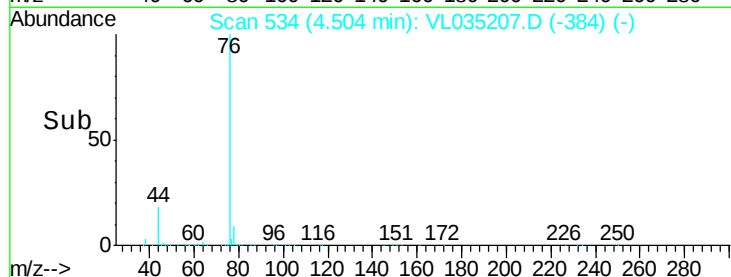
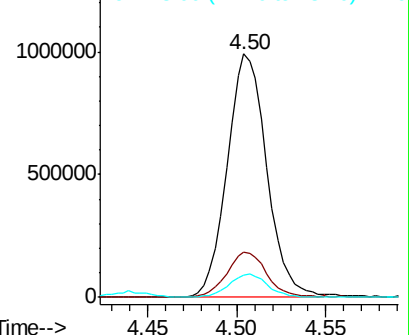
78 9.5 7.5 11.3



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: 9.749 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.02 min

Lab File: VL035207.D

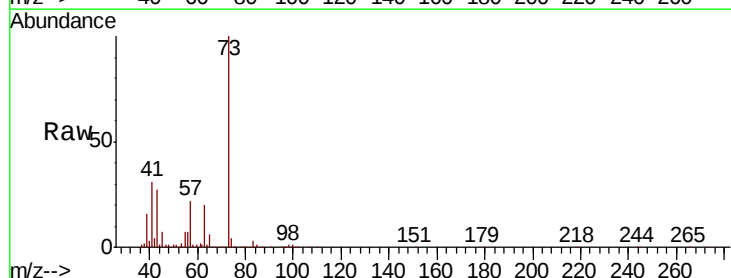
Acq: 16 Jul 2020 23:39

Tgt Ion: 73 Resp: 1655273

Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.1	27.1

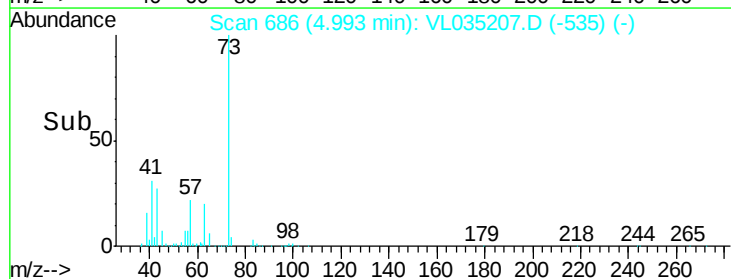
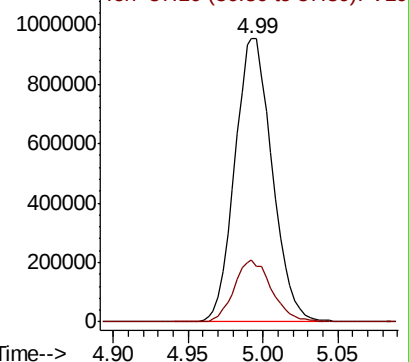
73 100

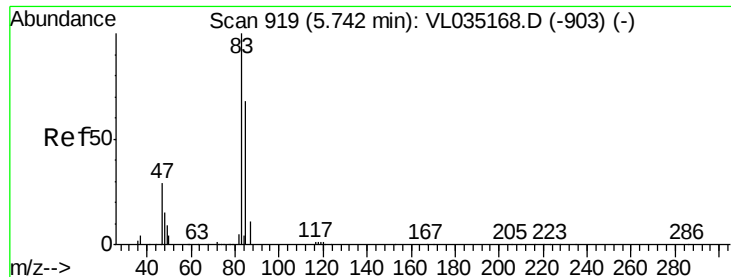
57 22.0 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.377 ppbv

RT: 5.72 min Scan# 913

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

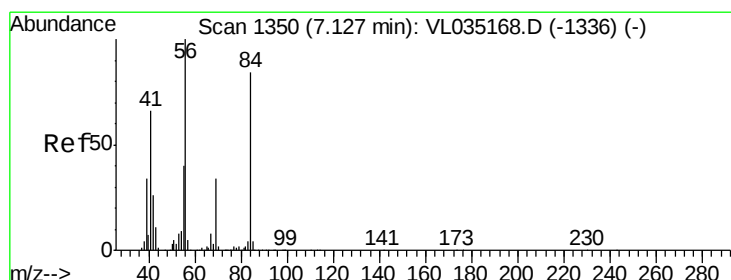
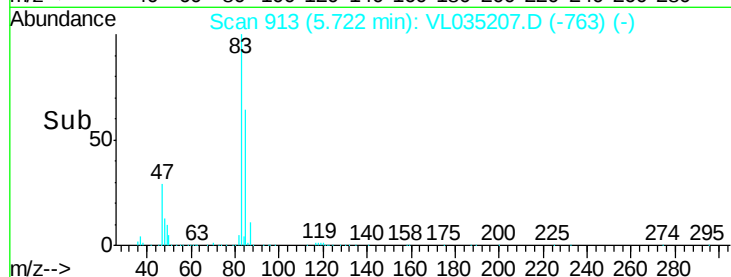
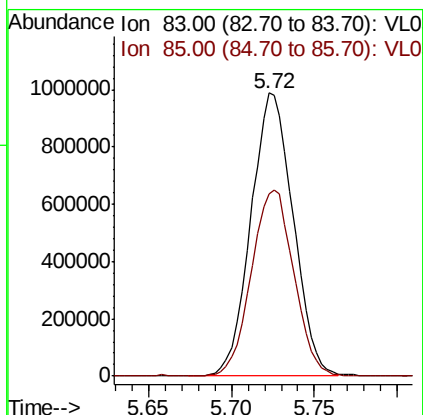
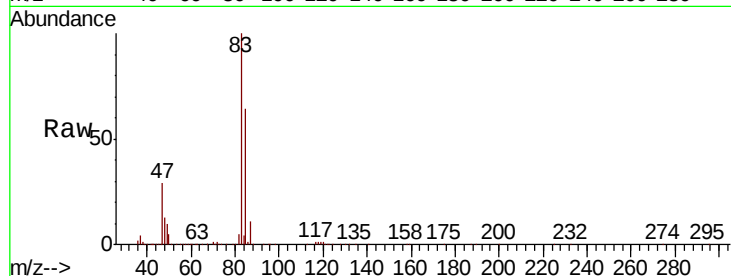
VSTDCCC010EC

Tot Ion: 83 Resp: 1751971

Ion Ratio Lower Upper

83 100

85 64.1 54.3 81.5



#30

Cyclohexane

Concen: 10.970 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

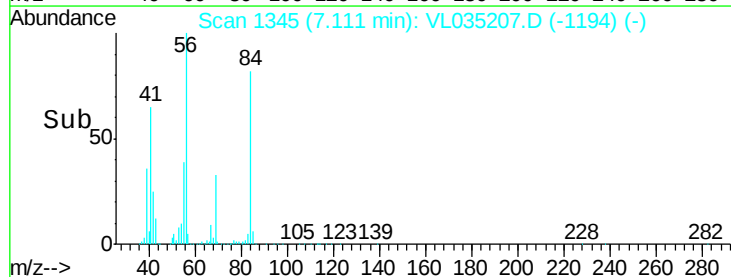
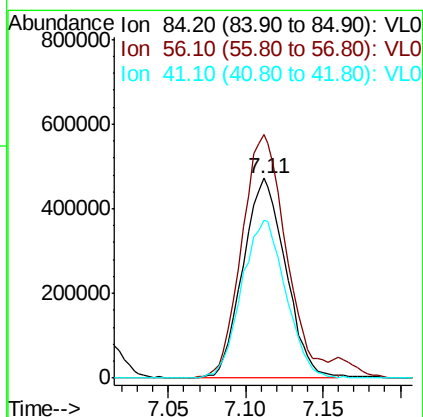
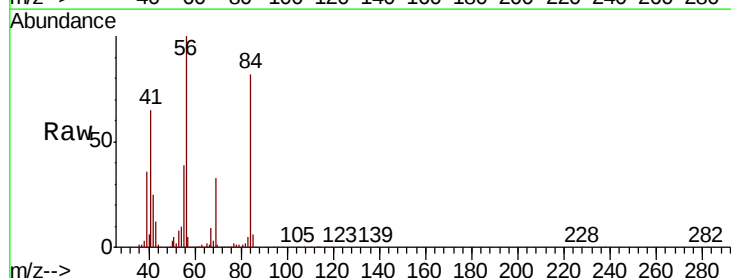
Tgt Ion: 84 Resp: 904540

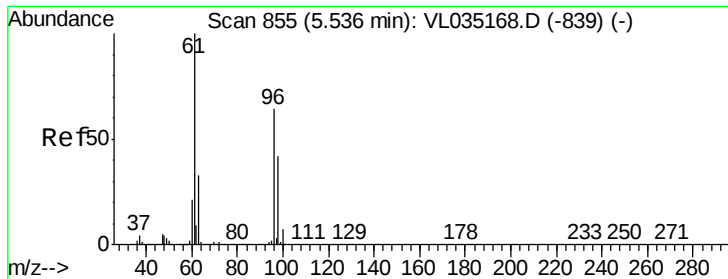
Ion Ratio Lower Upper

84 100

56 133.2 105.6 158.4

41 81.7 64.9 97.3



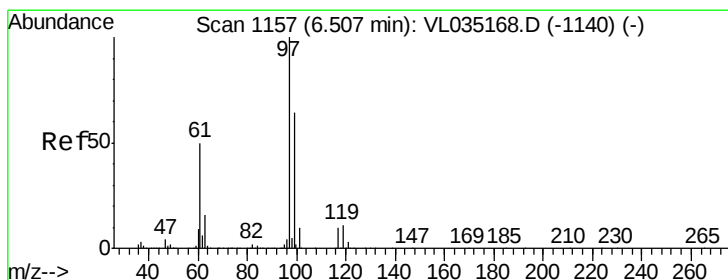
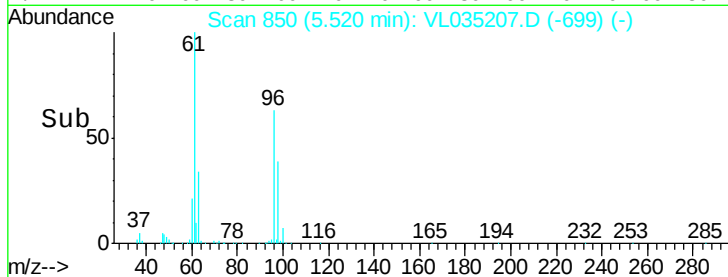
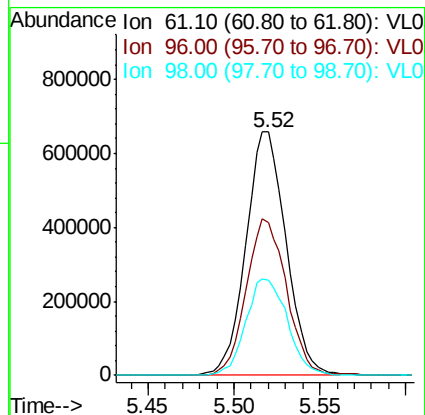
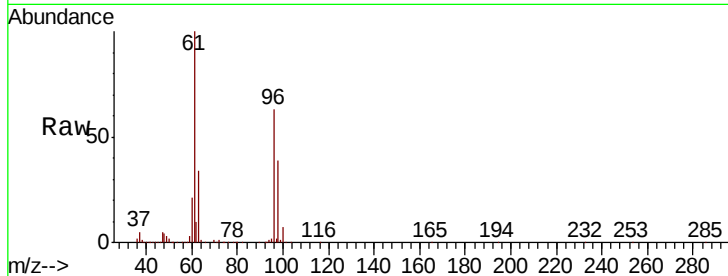


#31

cis-1,2-Dichloroethene
 Concen: 10.141 ppbv
 RT: 5.52 min Scan# 850
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

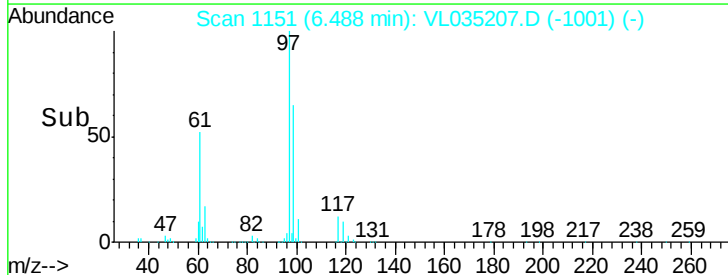
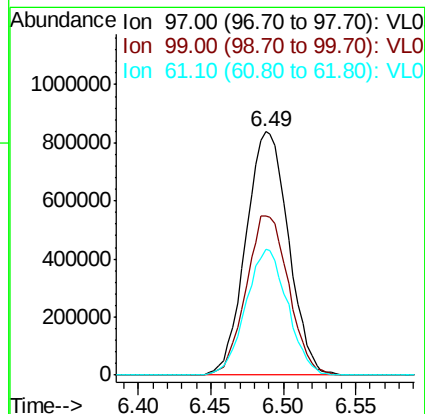
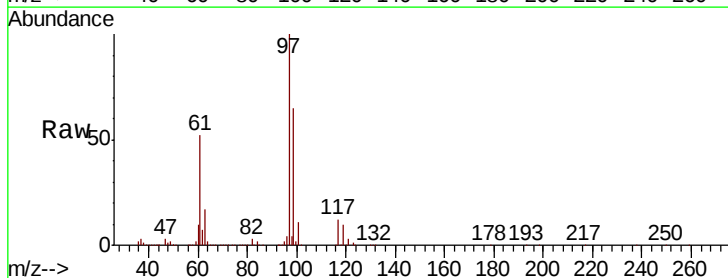
Tot Ion: 61 Resp: 1069006
 Ion Ratio Lower Upper
 61 100
 96 62.9 51.3 76.9
 98 39.1 33.8 50.8

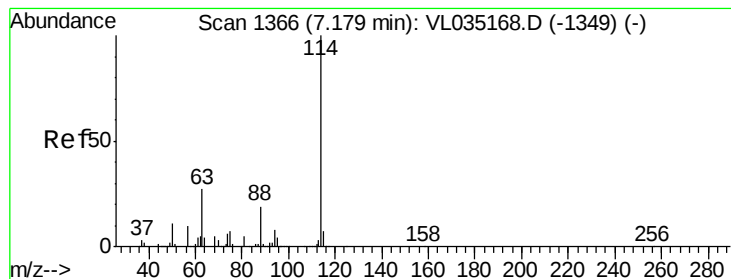


#32

1,1,1-Trichloroethane
 Concen: 9.149 ppbv
 RT: 6.49 min Scan# 1151
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Tgt Ion: 97 Resp: 1713109
 Ion Ratio Lower Upper
 97 100
 99 65.3 51.2 76.8
 61 50.8 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

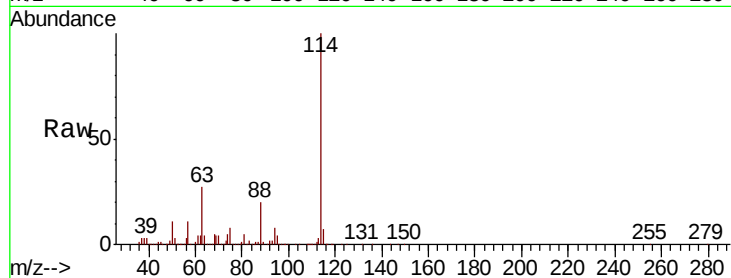
Tot Ion:114 Resp: 2823108

Ion Ratio Lower Upper

114 100

63 27.7 22.0 33.0

88 19.3 15.4 23.0

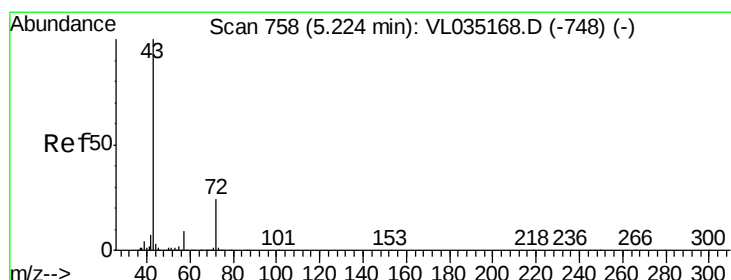
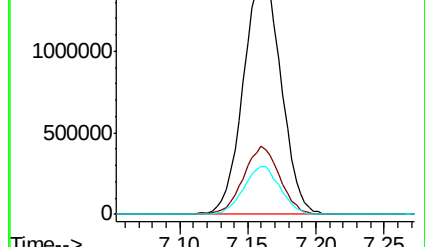
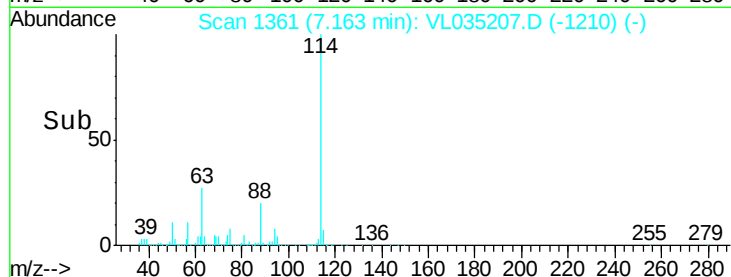


Abundance Ion 114.10 (113.80 to 114.80): VL035168.D (-1349) (-)

Ion 63.10 (62.80 to 63.80): VL035168.D (-1349) (-)

Ion 88.10 (87.80 to 88.80): VL035168.D (-1349) (-)

Time-->



#34

2-Butanone

Concen: 9.935 ppbv

RT: 5.21 min Scan# 753

Delta R.T. -0.02 min

Lab File: VL035207.D

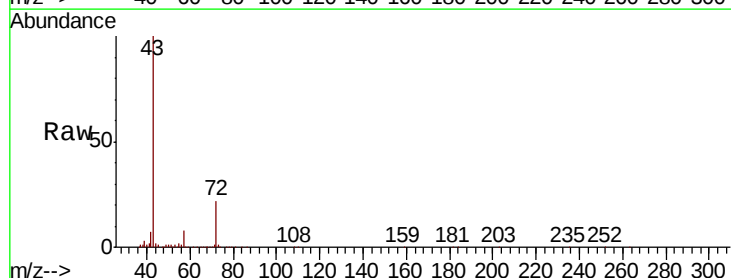
Acq: 16 Jul 2020 23:39

Tgt Ion: 43 Resp: 1497013

Ion Ratio Lower Upper

43 100

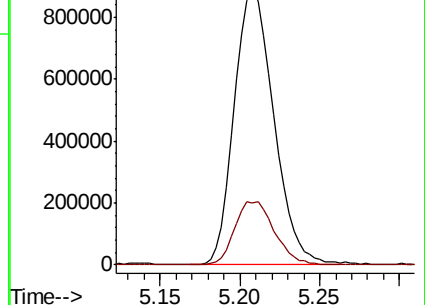
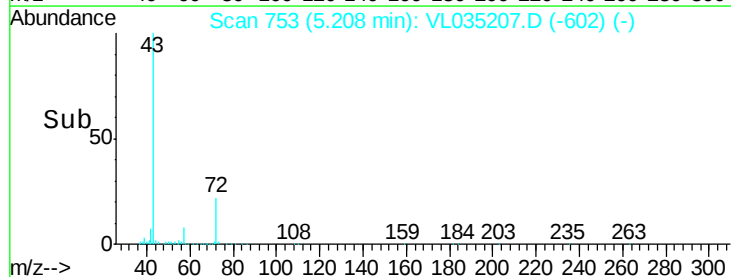
72 23.2 18.6 28.0

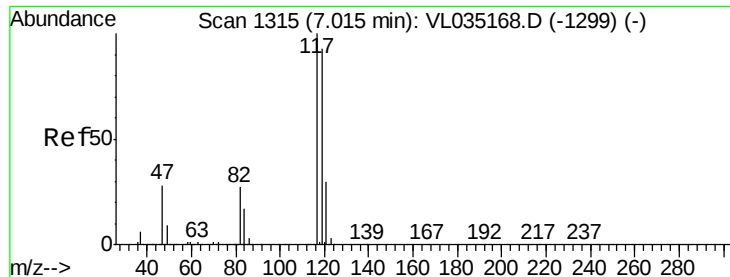


Abundance Ion 43.10 (42.80 to 43.80): VL035168.D (-748) (-)

Ion 72.10 (71.80 to 72.80): VL035168.D (-748) (-)

Time-->





#35

Carbon Tetrachloride

Concen: 9.943 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

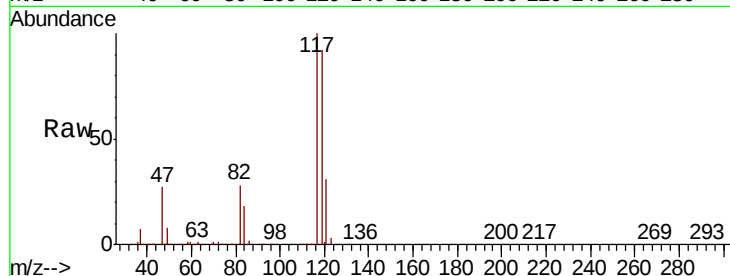
Tot Ion:117 Resp: 1822097

Ion Ratio Lower Upper

117 100

119 91.7 74.8 112.2

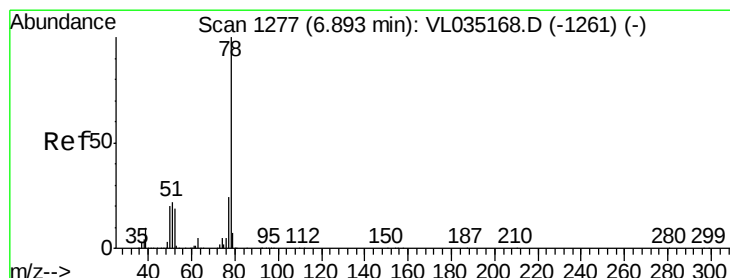
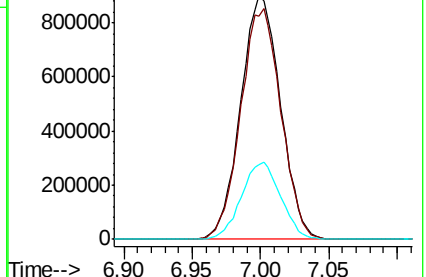
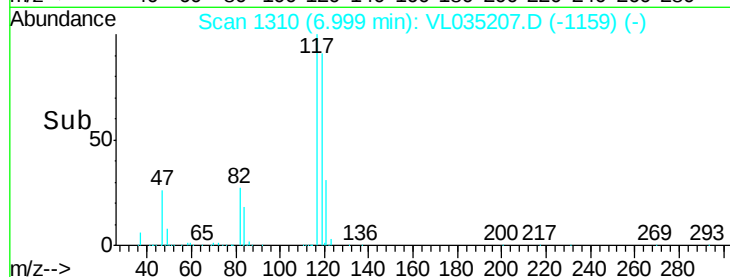
121 30.9 24.2 36.2



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: 10.410 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

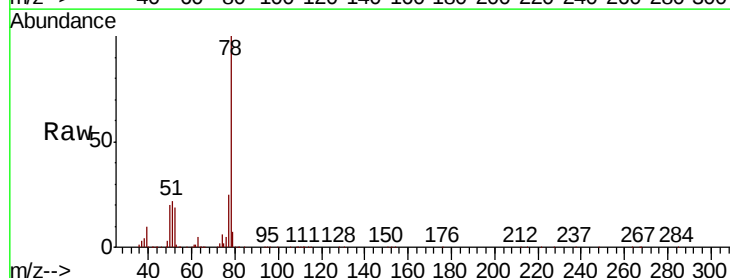
Tgt Ion: 78 Resp: 2126941

Ion Ratio Lower Upper

78 100

77 24.5 19.3 28.9

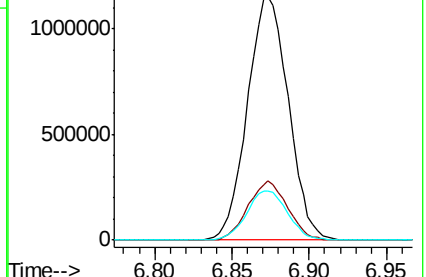
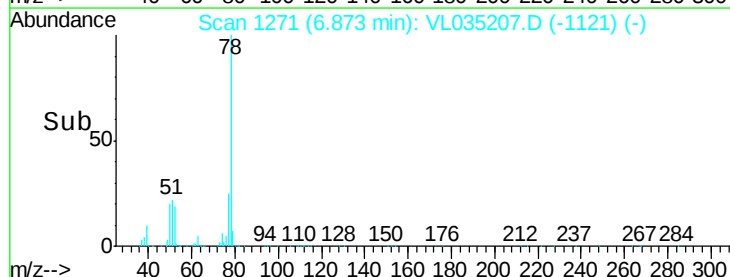
50 19.9 16.0 24.0

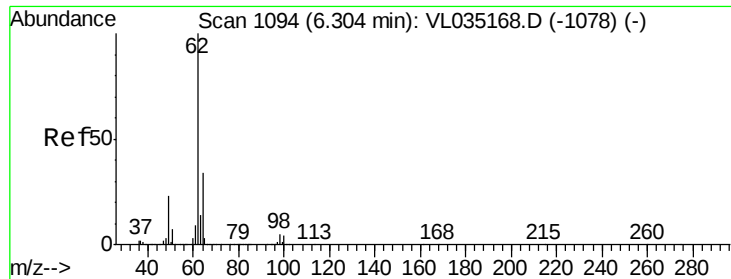


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

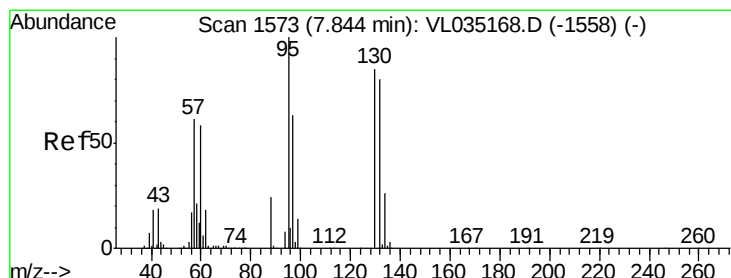
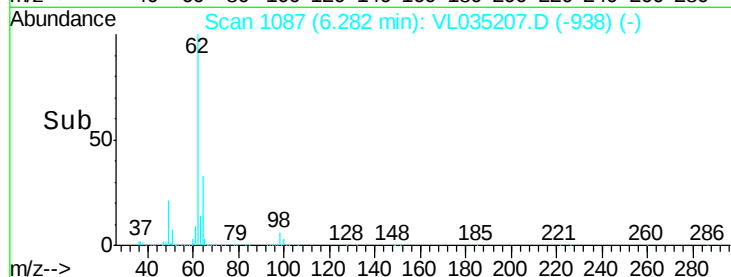
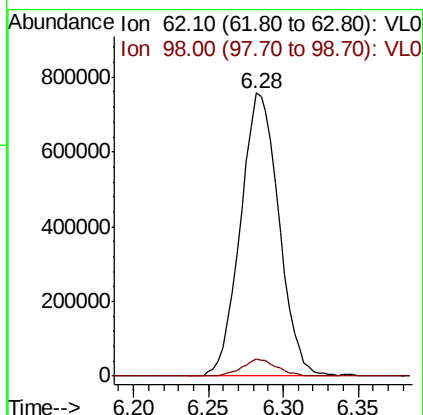
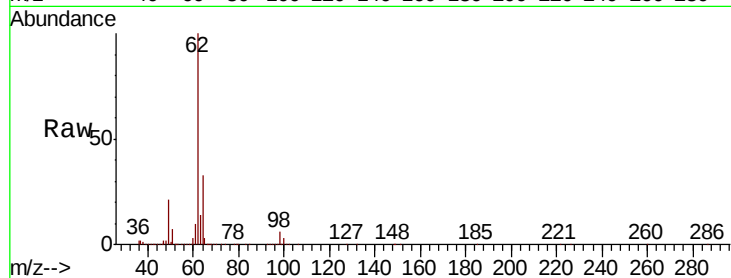




#37
 1,2-Dichloroethane
 Concen: 9.859 ppbv
 RT: 6.28 min Scan# 1087
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

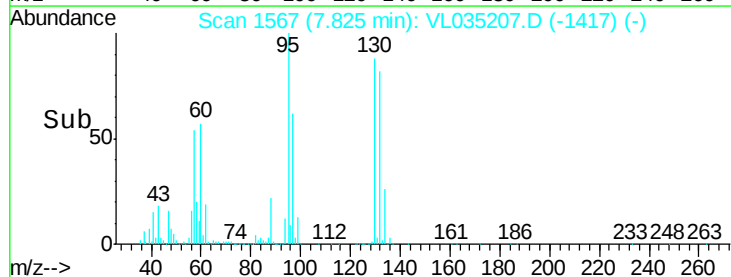
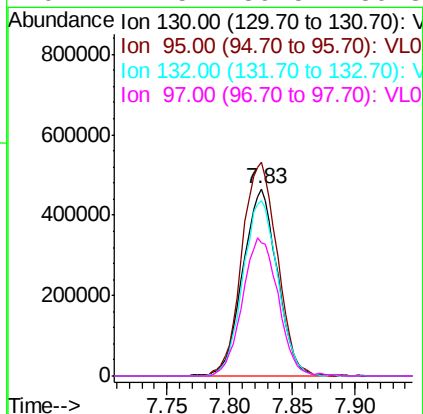
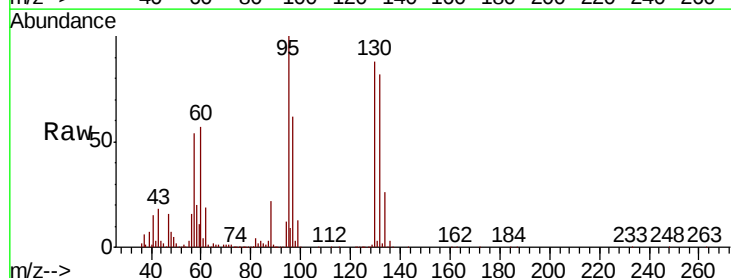
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

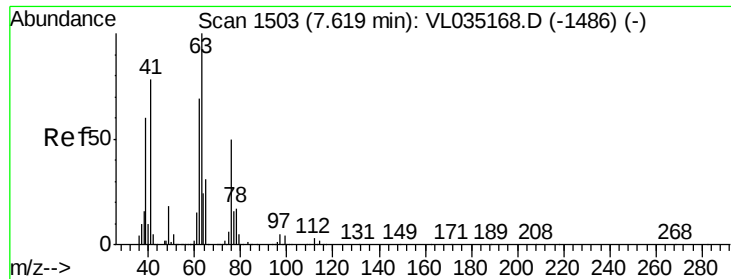
Tot Ion: 62 Resp: 1351843
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.6 6.8



#38
 Trichloroethene
 Concen: 10.624 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Tgt Ion: 130 Resp: 884501
 Ion Ratio Lower Upper
 130 100
 95 114.3 93.8 140.8
 132 93.7 75.0 112.4
 97 71.5 59.5 89.3

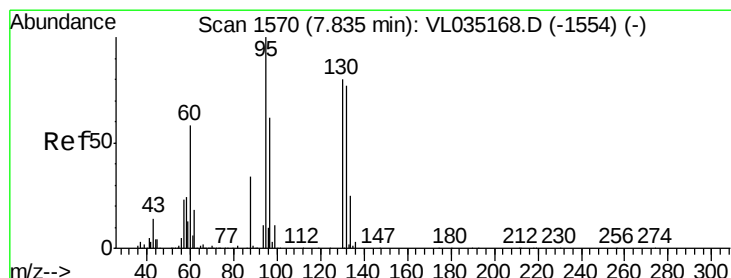
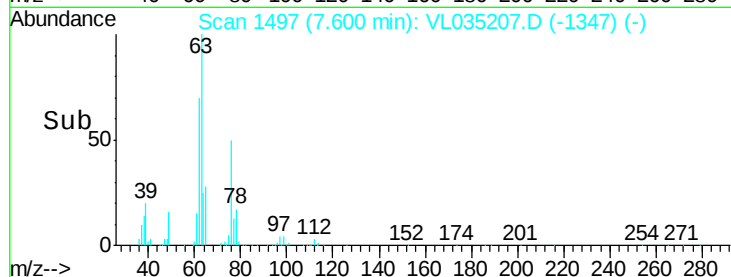
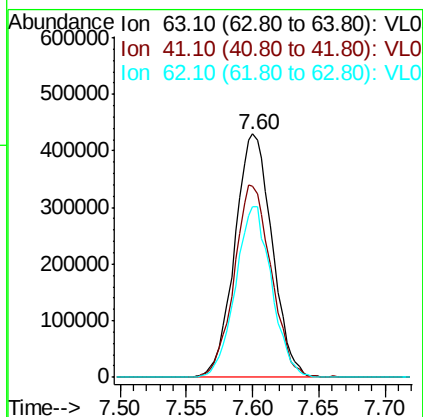
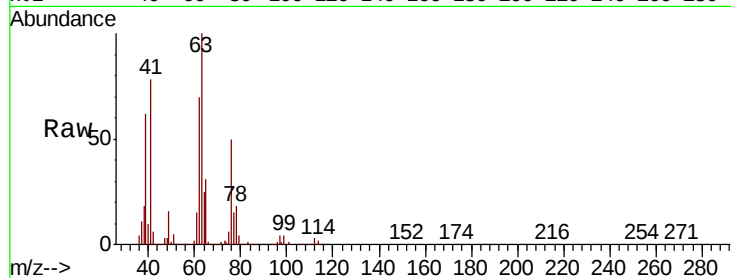




#39
 1,2-Dichloropropane
 Concen: 10.330 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

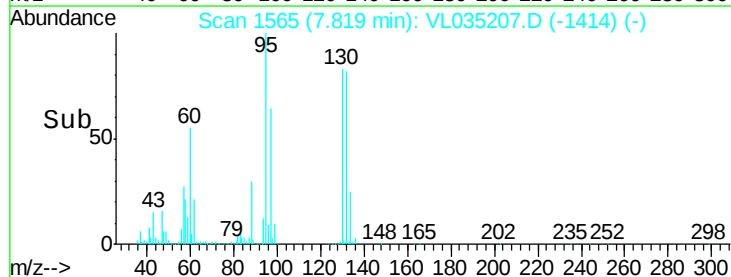
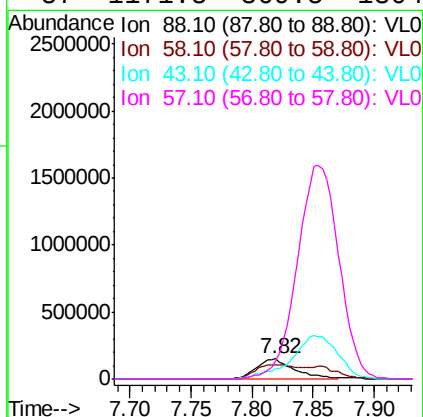
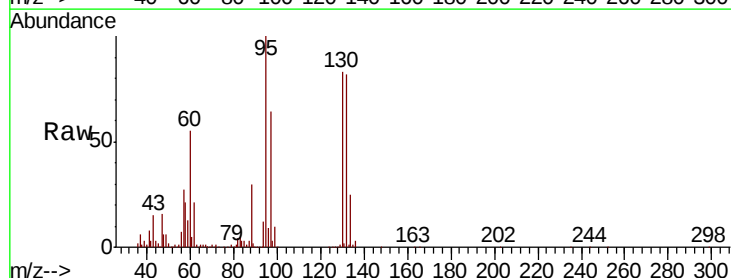
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

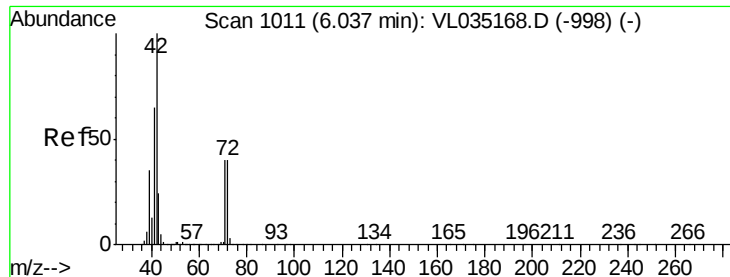
Tot Ion	Ratio	Lower	Upper
63	100		
41	78.4	62.6	94.0
62	69.7	55.0	82.6



#40
 1,4-Dioxane
 Concen: 9.972 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	131.0	100.2	150.4
43	264.0	199.8	299.8
57	1171.8	869.5	1304.3





#41

Tetrahydrofuran

Concen: 10.906 ppbv

RT: 6.02 min Scan# 1005

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

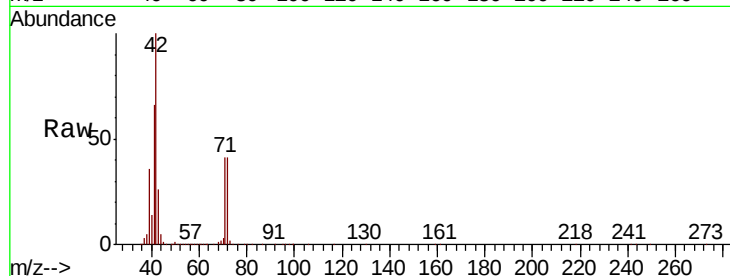
Tot Ion: 42 Resp: 822242

Ion Ratio Lower Upper

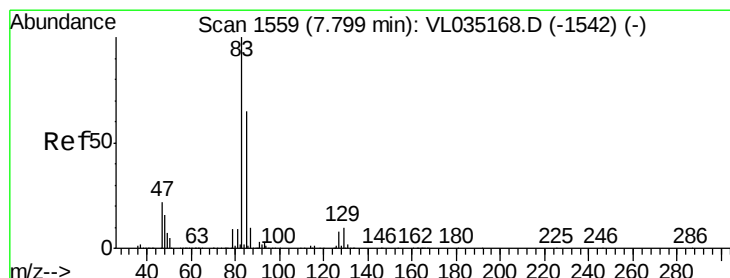
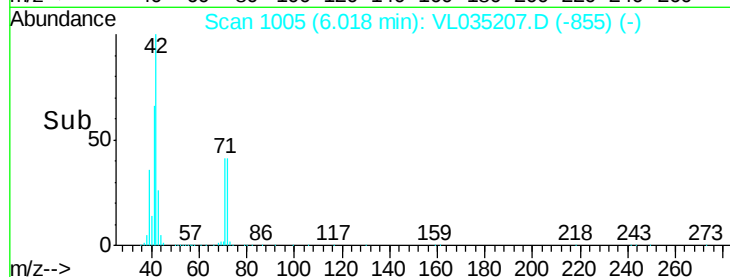
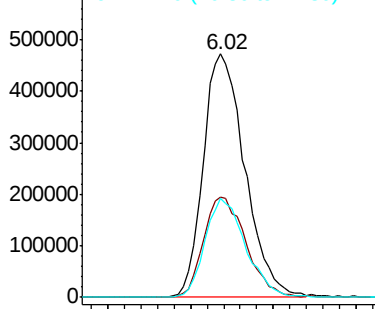
42 100

72 42.2 33.4 50.2

71 39.7 31.9 47.9



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: 10.233 ppbv

RT: 7.78 min Scan# 1553

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

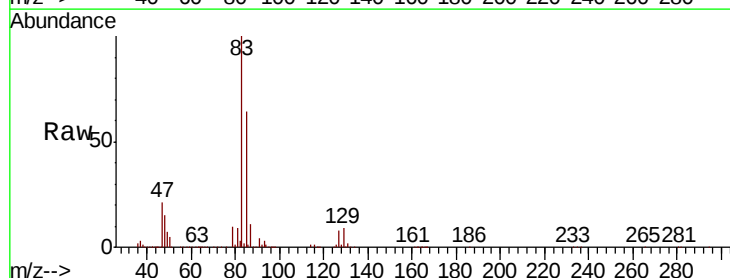
Tgt Ion: 83 Resp: 1873733

Ion Ratio Lower Upper

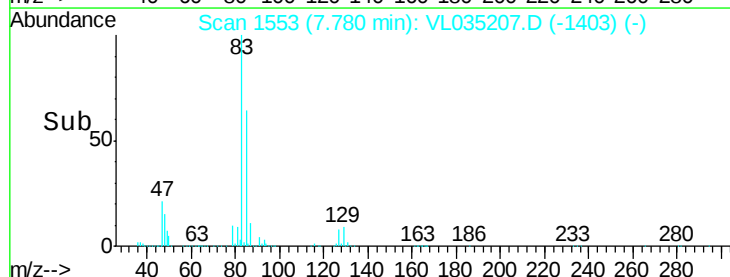
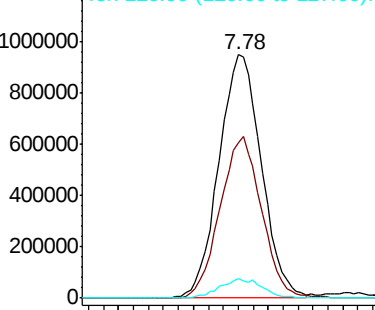
83 100

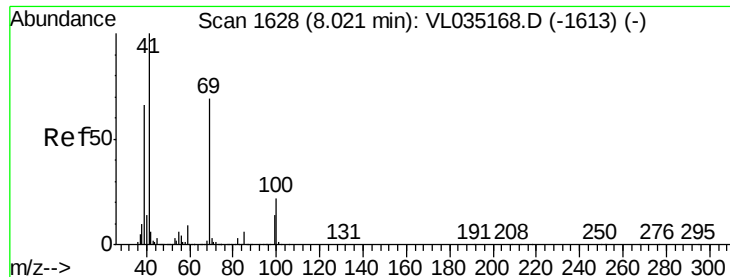
85 63.6 52.2 78.4

127 8.0 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

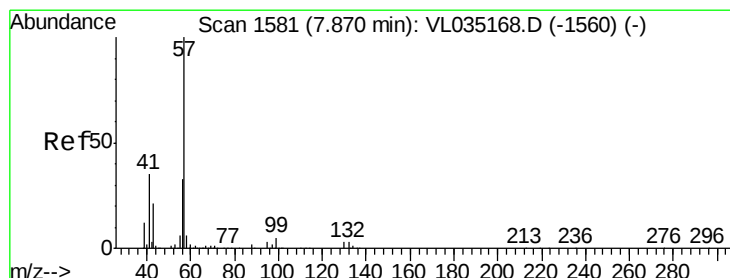
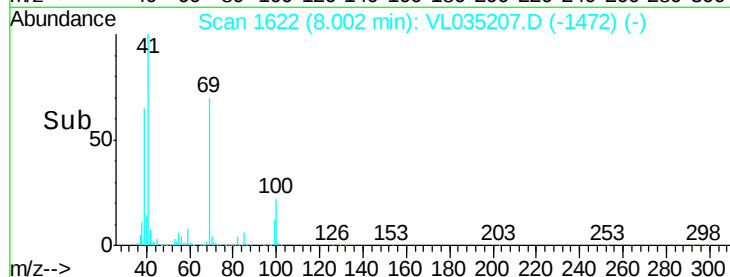
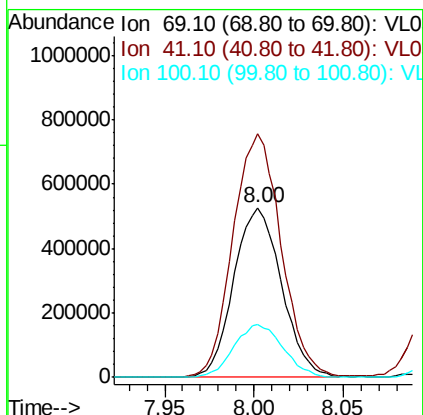
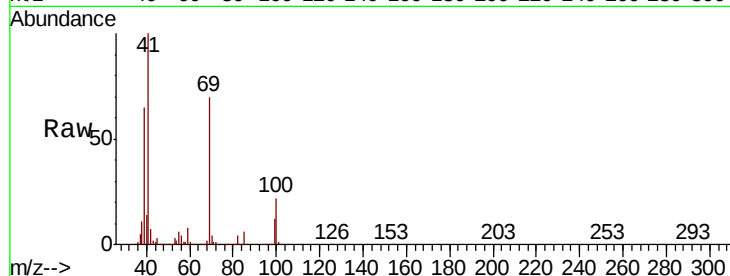




#43
Methvl Methacrylate
Concen: 11.262 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.02 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

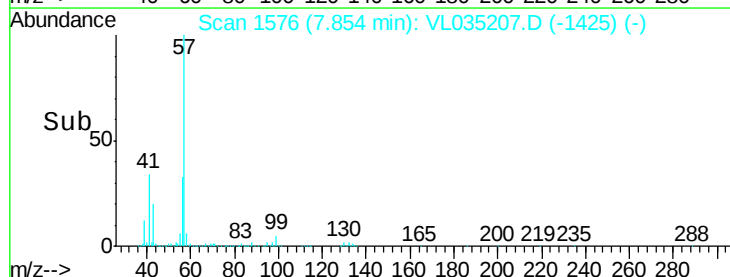
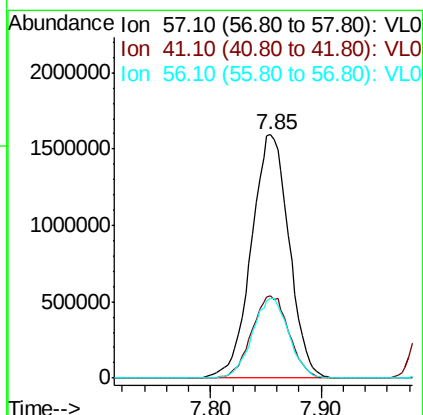
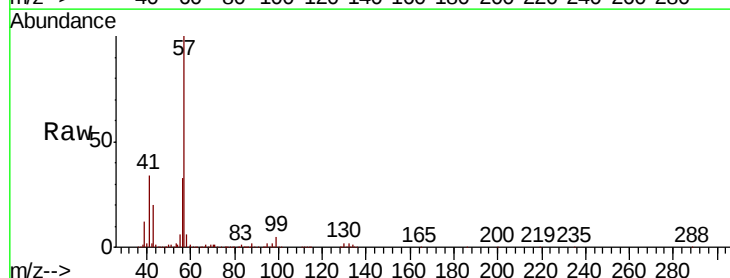
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

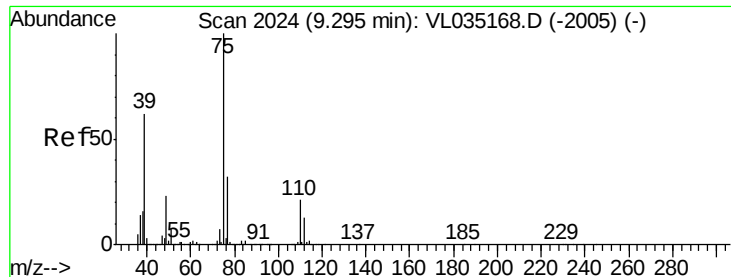
Tot Ion: 69 Resp: 972761
Ion Ratio Lower Upper
69 100
41 146.3 116.3 174.5
100 32.6 25.6 38.4



#44
2,2,4-Trimethylpentane
Concen: 10.706 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.02 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

Tgt Ion: 57 Resp: 3776037
Ion Ratio Lower Upper
57 100
41 33.5 27.0 40.6
56 31.6 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 12.231 ppbv

RT: 9.28 min Scan# 2019

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

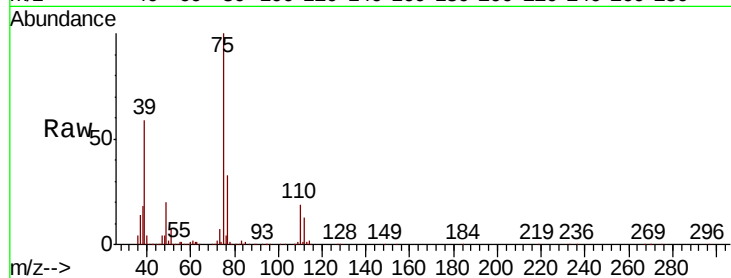
VSTDCCC010EC

Tot Ion: 75 Resp: 1109914

Ion Ratio Lower Upper

75 100

77 33.2 25.8 38.8



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

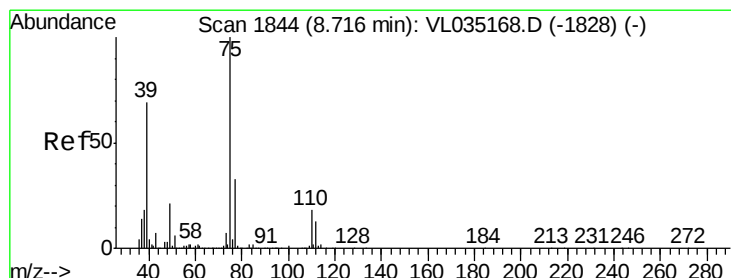
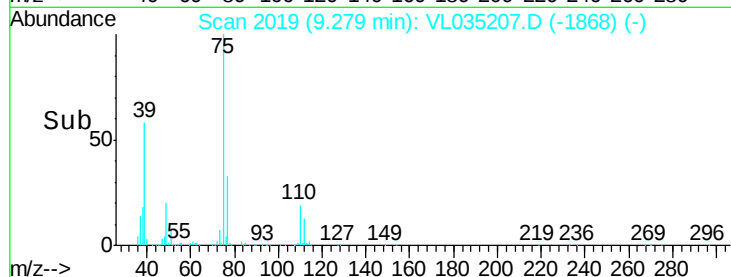
400000

200000

0

9.20 9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.040 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

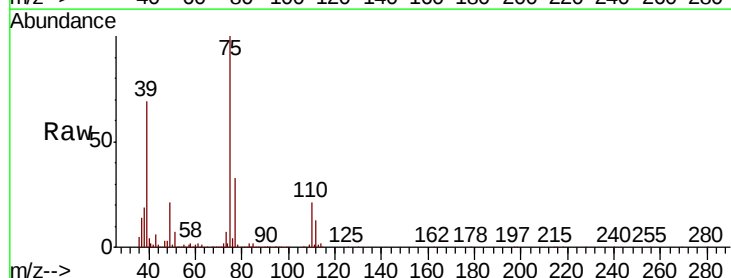
Tgt Ion: 75 Resp: 1295228

Ion Ratio Lower Upper

75 100

39 69.3 55.2 82.8

77 32.8 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

600000

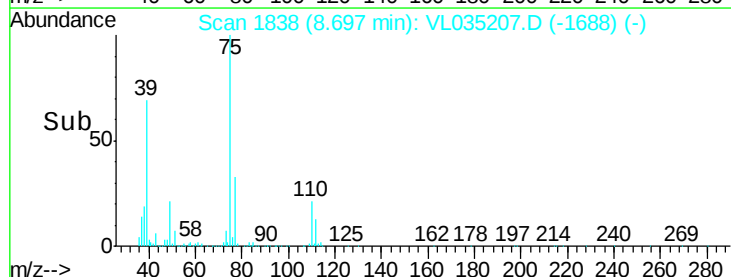
400000

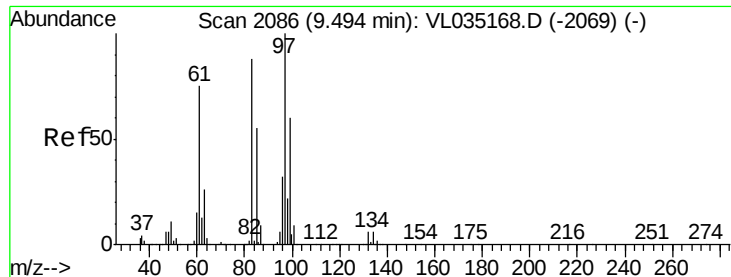
200000

0

8.60 8.65 8.70 8.75 8.80

Time-->

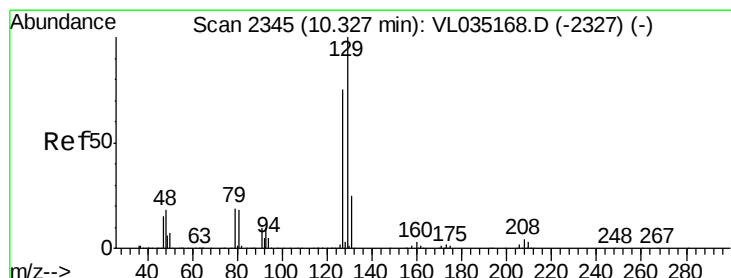
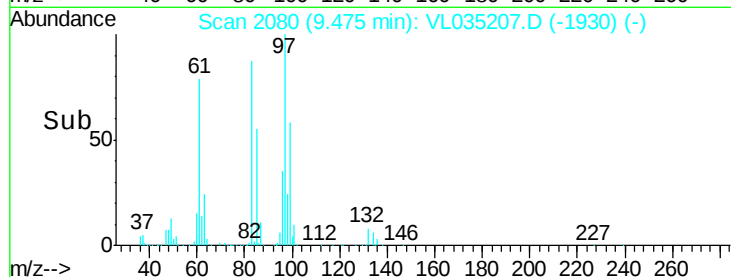
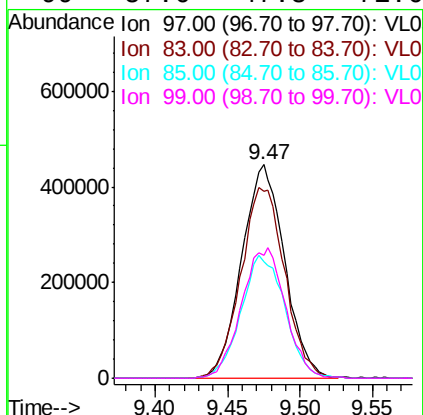
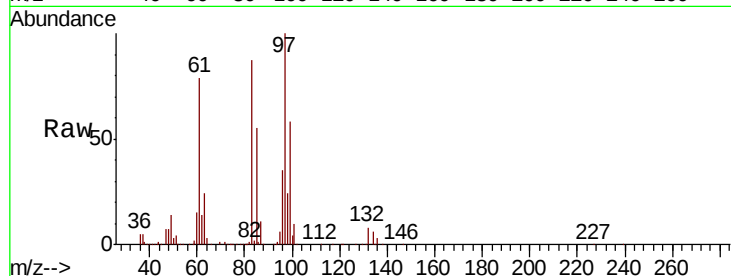




#47
 1,1,2-Trichloroethane
 Concen: 10.347 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

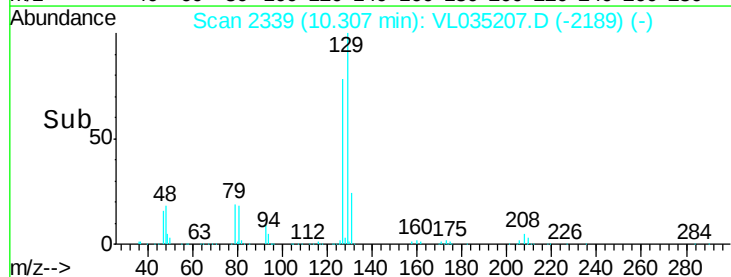
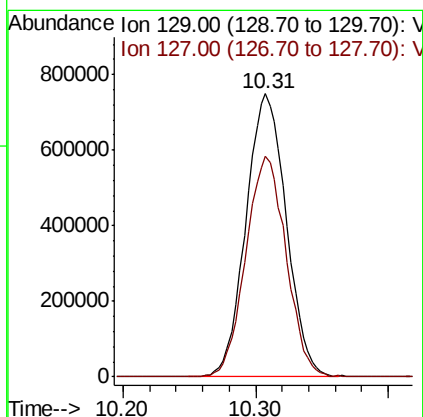
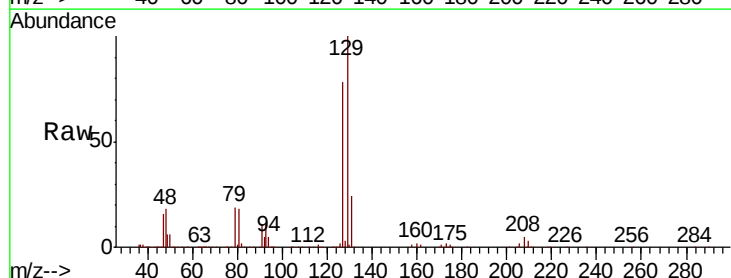
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

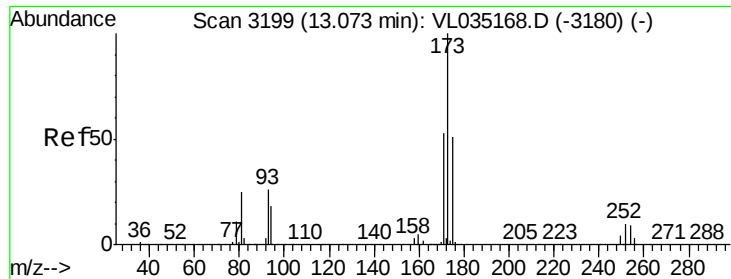
Tot Ion:	97	Resp:	920266
Ion	Ratio	Lower	Upper
97	100		
83	87.1	70.3	105.5
85	54.4	44.3	66.5
99	57.6	47.8	71.6



#48
 Dibromochloromethane
 Concen: 10.944 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Tgt Ion:	129	Resp:	1583672
Ion	Ratio	Lower	Upper
129	100		
127	77.9	38.8	116.3





#49

Bromoform

Concen: 10.972 ppbv

RT: 13.06 min Scan# 3194

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

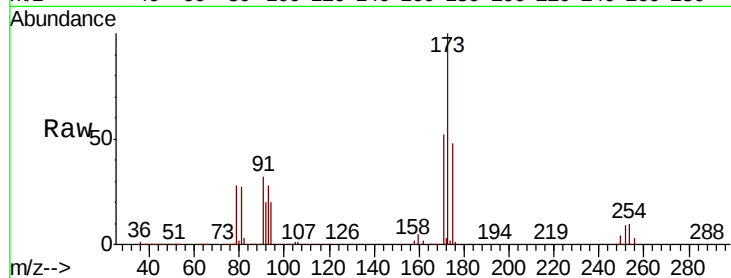
Tot Ion:173 Resp: 1388955

Ion Ratio Lower Upper

173 100

175 49.8 39.7 59.5

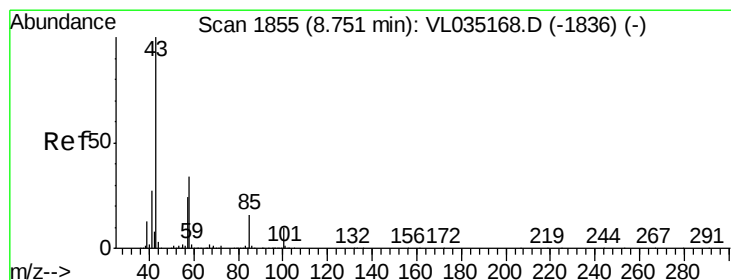
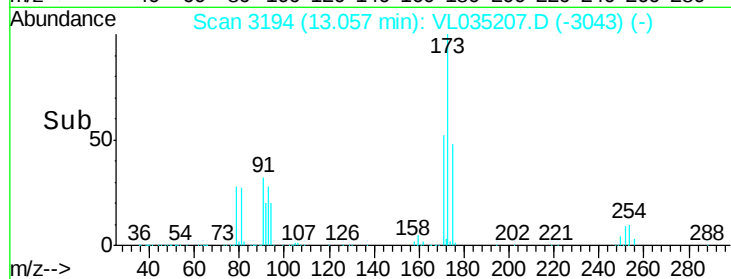
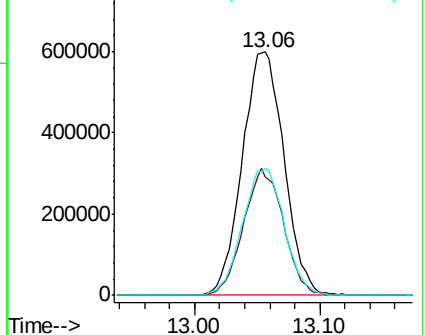
171 52.2 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.929 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. -0.02 min

Lab File: VL035207.D

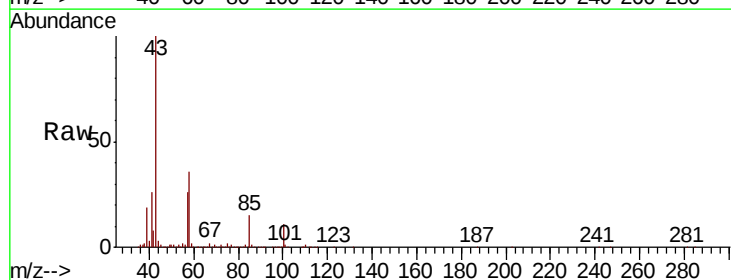
Acq: 16 Jul 2020 23:39

Tgt Ion: 43 Resp: 2363541

Ion Ratio Lower Upper

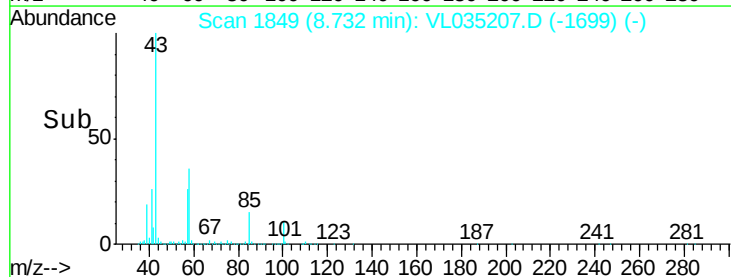
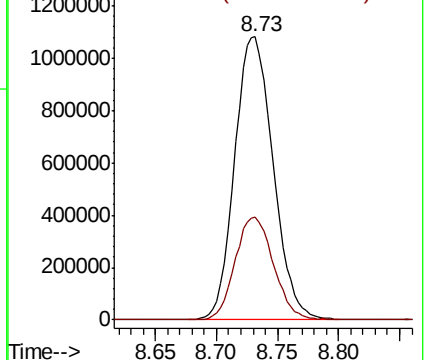
43 100

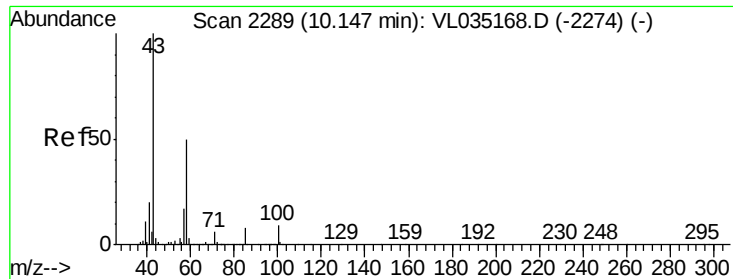
58 36.4 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

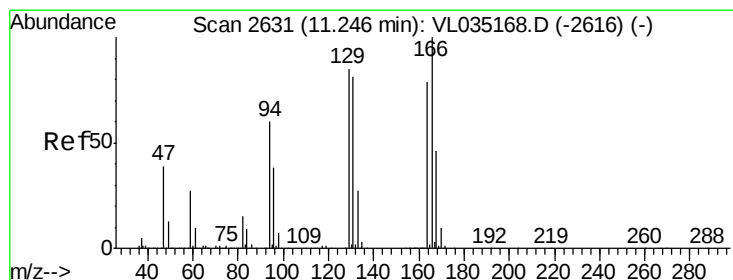
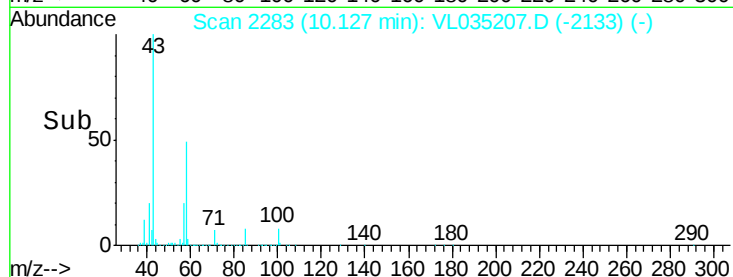
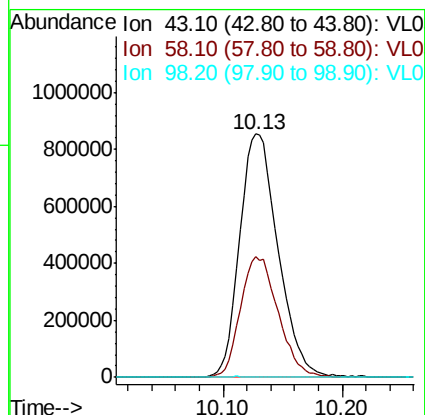
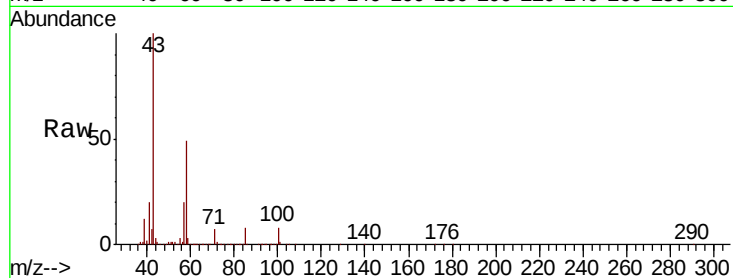




#51
2-Hexanone
Concen: 11.565 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.02 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

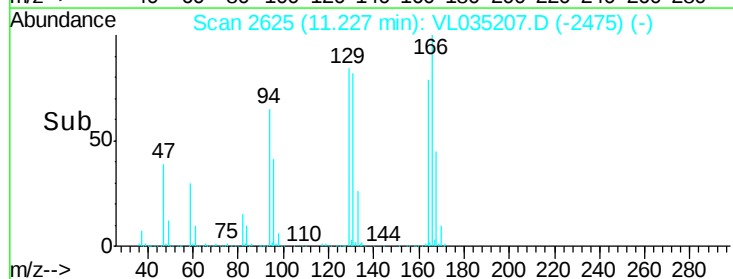
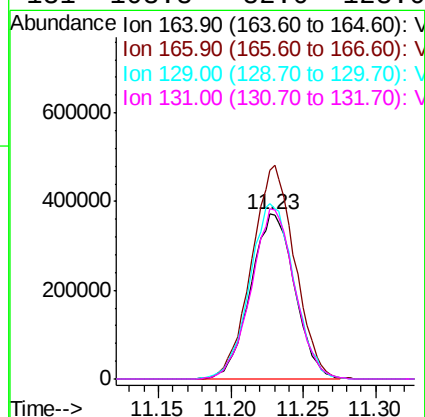
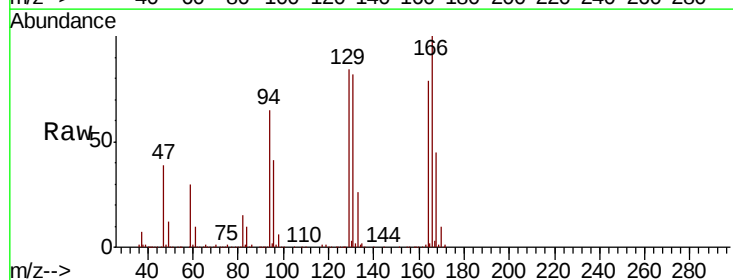
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

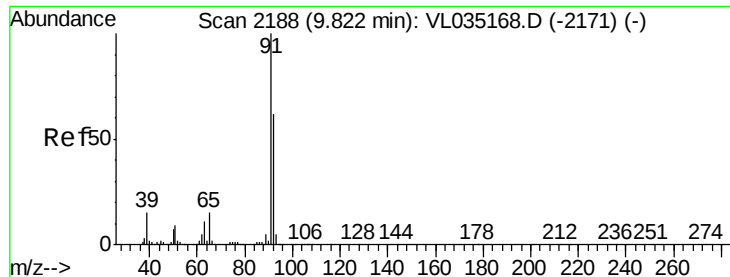
Tot Ion: 43 Resp: 1907007
Ion Ratio Lower Upper
43 100
58 48.8 39.4 59.0
98 0.3 0.3 0.5#



#52
Tetrachloroethene
Concen: 10.322 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.02 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

Tgt Ion:164 Resp: 787713
Ion Ratio Lower Upper
164 100
166 126.8 100.7 151.1
129 106.3 85.8 128.6
131 103.8 82.0 123.0





#53

Toluene

Concen: 11.725 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

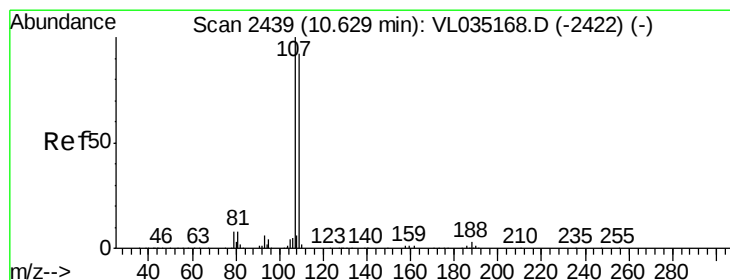
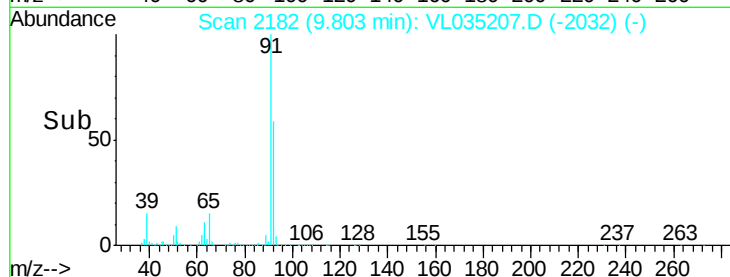
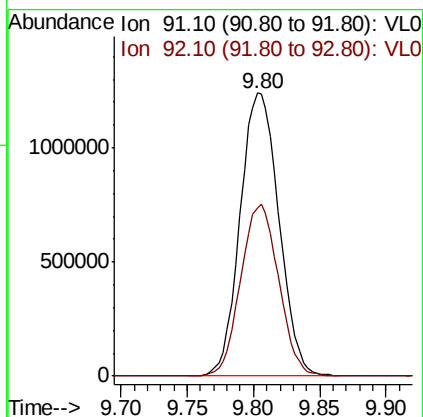
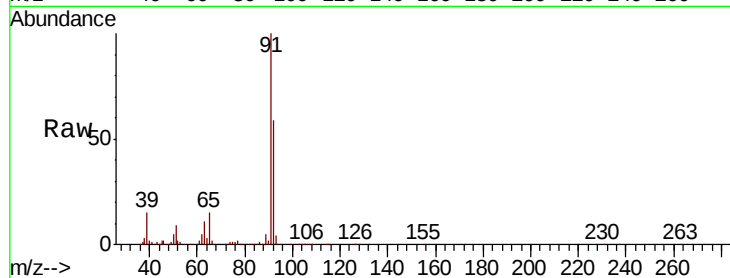
VSTDCCC010EC

Tot Ion: 91 Resp: 2528429

Ion Ratio Lower Upper

91 100

92 59.6 48.4 72.6



#54

1,2-Dibromoethane

Concen: 10.721 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.01 min

Lab File: VL035207.D

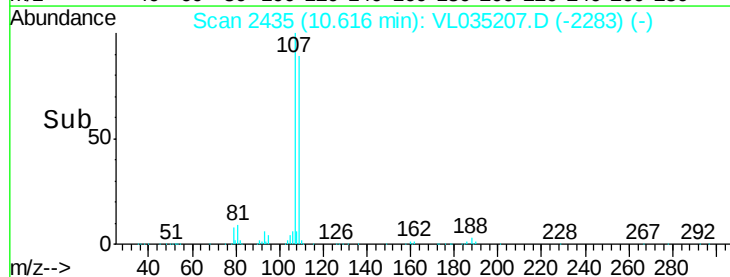
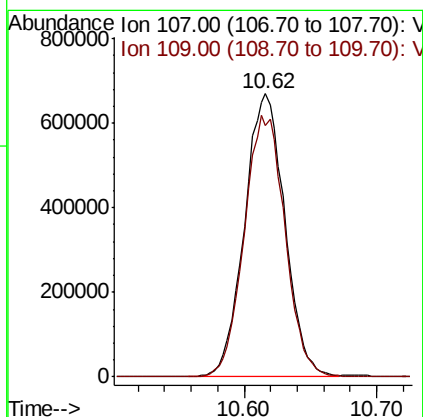
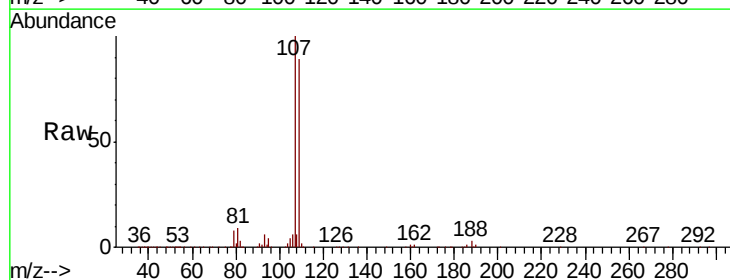
Acq: 16 Jul 2020 23:39

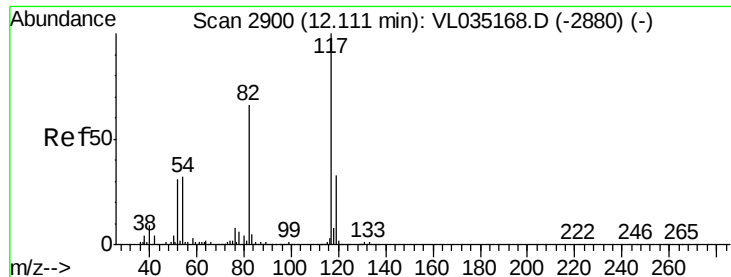
Tgt Ion: 107 Resp: 1415146

Ion Ratio Lower Upper

107 100

109 88.8 74.0 111.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

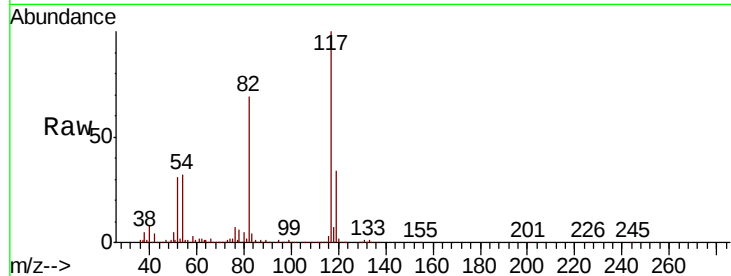
Tot Ion:117 Resp: 2940902

Ion Ratio Lower Upper

117 100

82 62.3 52.3 78.5

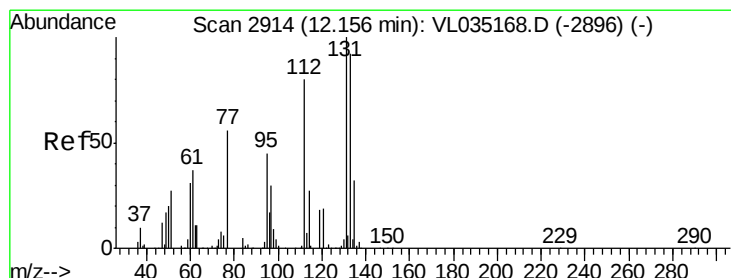
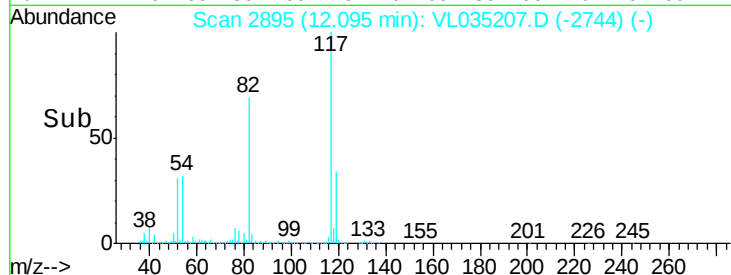
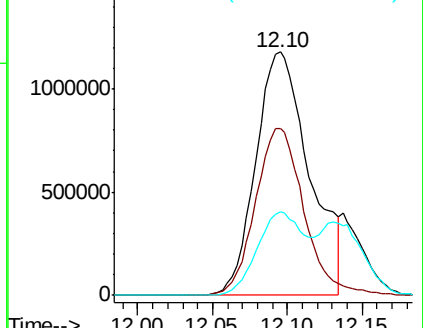
119 29.1 24.9 37.3



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: 9.276 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

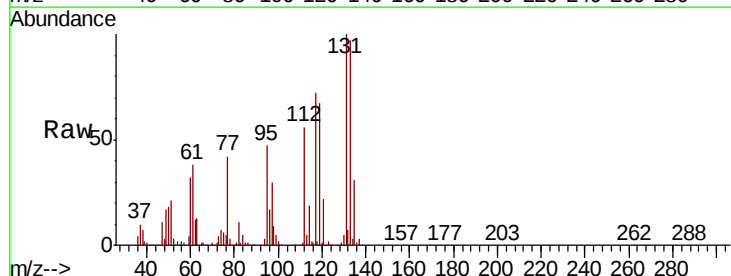
Tgt Ion:131 Resp: 1208644

Ion Ratio Lower Upper

131 100

133 96.3 75.4 113.2

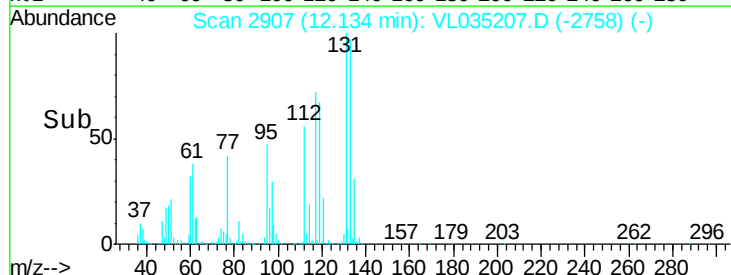
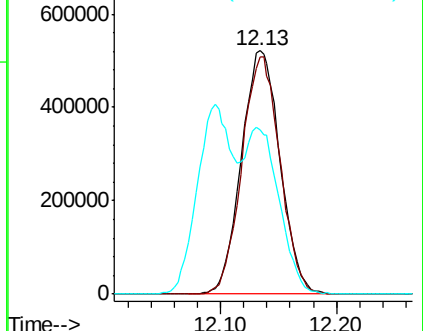
119 63.7 42.4 63.6#

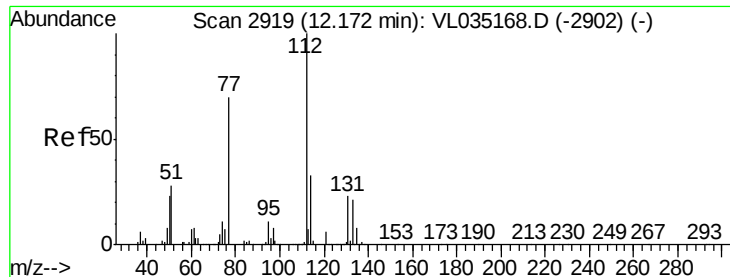


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.184 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

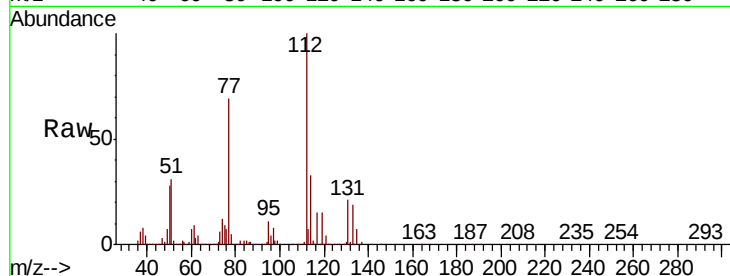
Tot Ion:112 Resp: 1990571

Ion Ratio Lower Upper

112 100

77 68.5 57.0 85.4

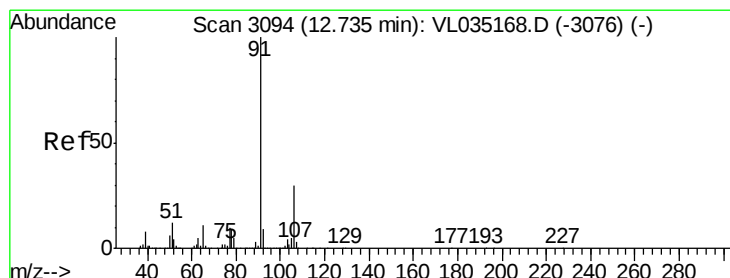
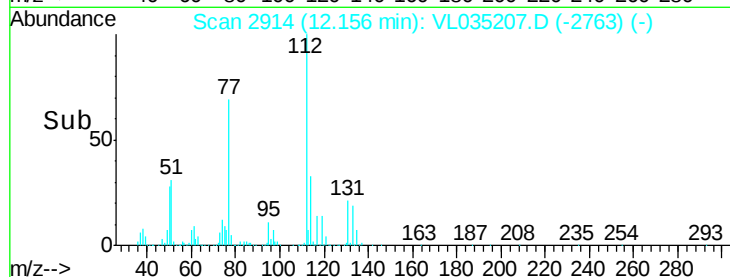
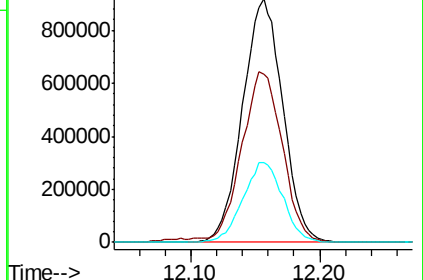
114 32.8 30.2 37.0



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: 10.546 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. -0.02 min

Lab File: VL035207.D

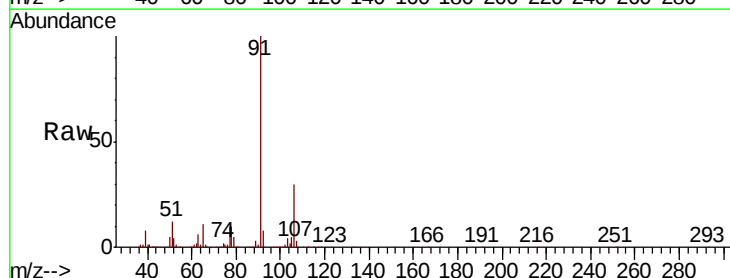
Acq: 16 Jul 2020 23:39

Tgt Ion: 91 Resp: 3428046

Ion Ratio Lower Upper

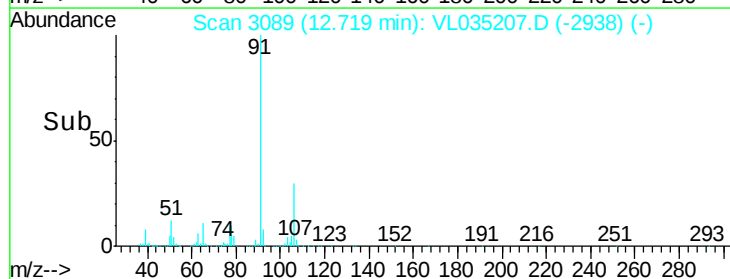
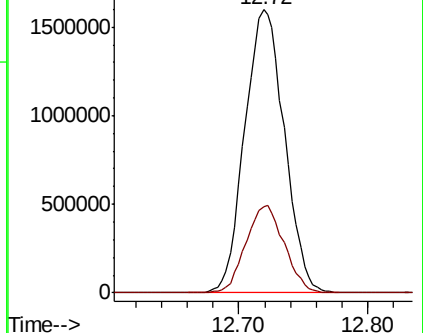
91 100

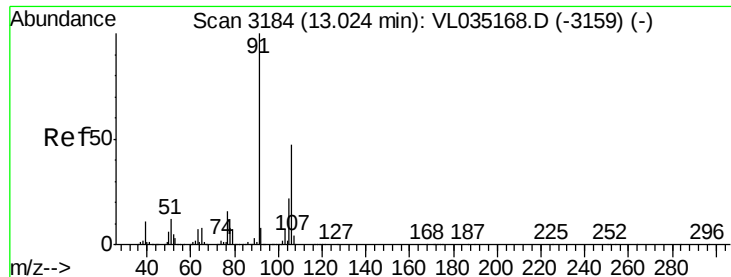
106 30.4 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

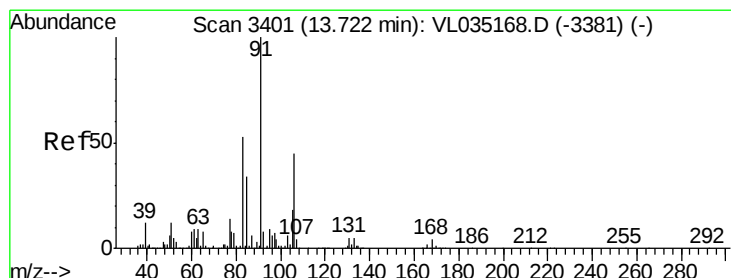
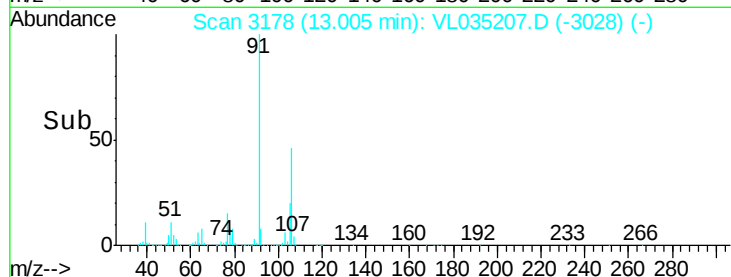
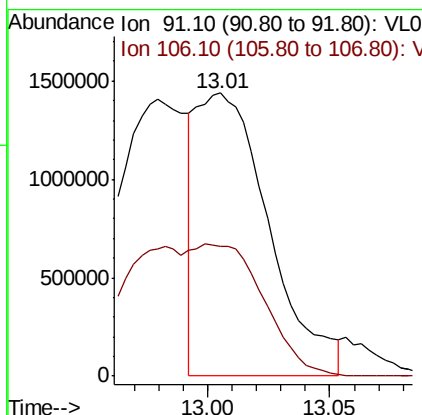
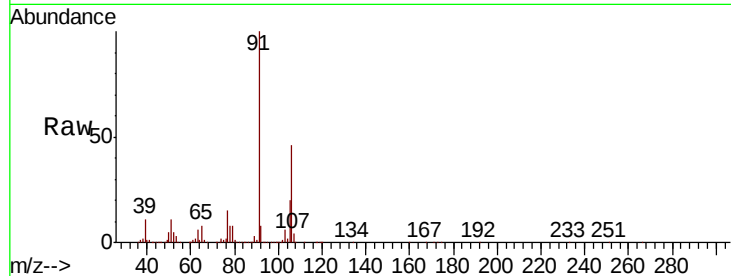




#59
m/p-Xylene
Concen: 10.200 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

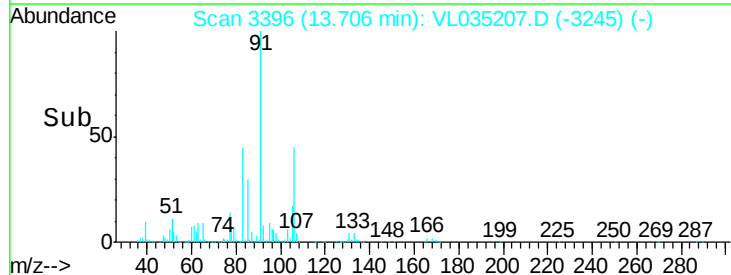
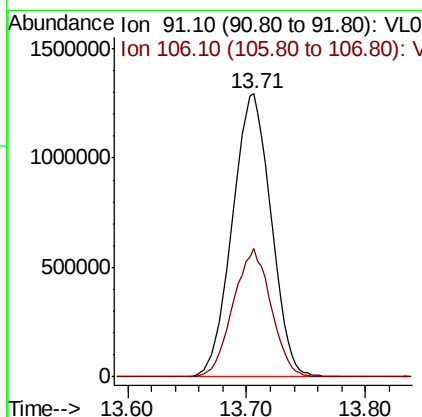
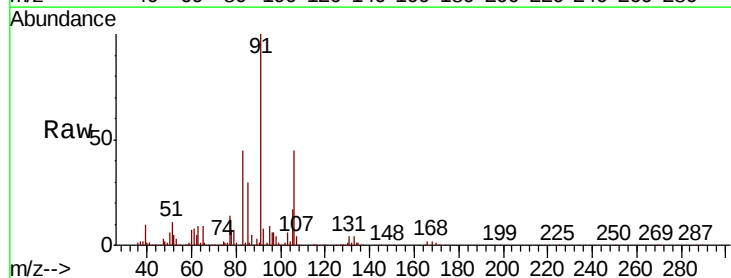
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

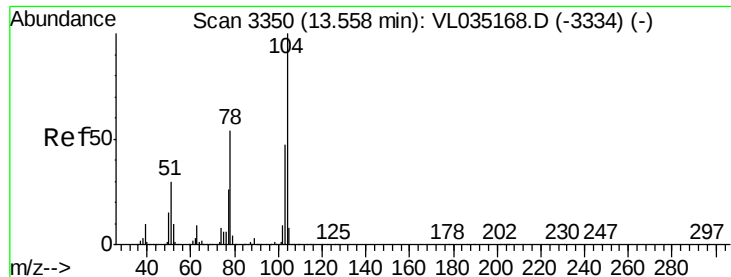
Tot Ion: 91 Resp: 2955007
Ion Ratio Lower Upper
91 100
106 89.1 36.2 54.2#



#60
o-Xylene
Concen: 10.037 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.02 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

Tgt Ion: 91 Resp: 2901019
Ion Ratio Lower Upper
91 100
106 44.5 22.1 66.3





#61

Stvrene

Concen: 11.320 ppbv

RT: 13.54 min Scan# 3345

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

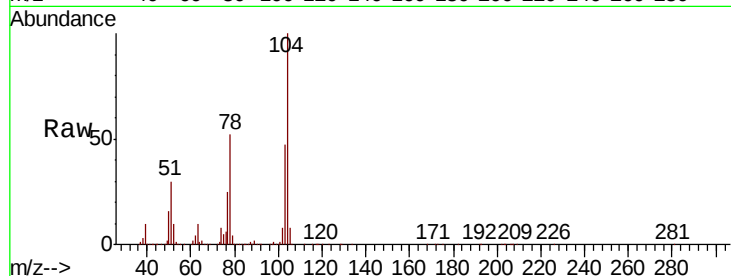
Tot Ion:104 Resp: 2021835

Ion Ratio Lower Upper

104 100

78 54.3 43.4 65.0

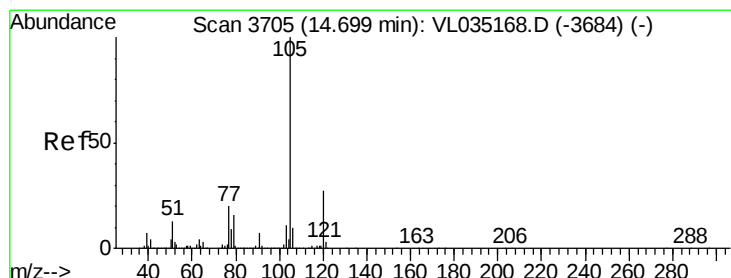
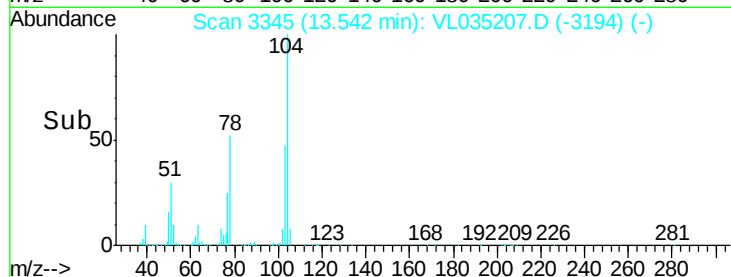
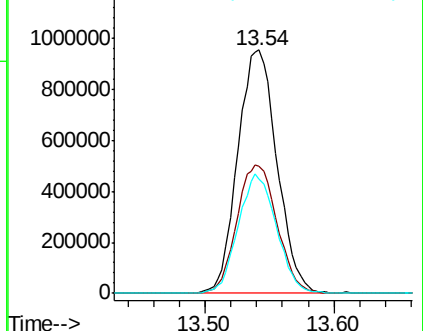
103 47.9 37.4 56.0



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: 9.902 ppbv

RT: 14.68 min Scan# 3700

Delta R.T. -0.02 min

Lab File: VL035207.D

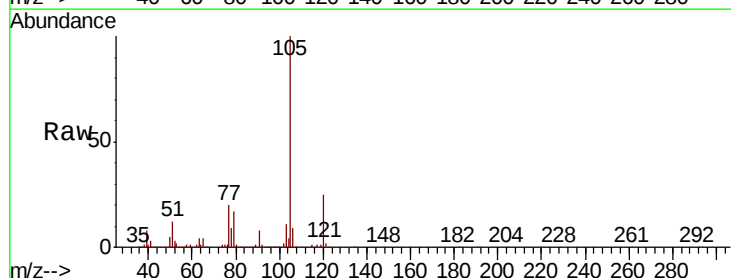
Acq: 16 Jul 2020 23:39

Tgt Ion:105 Resp: 4242367

Ion Ratio Lower Upper

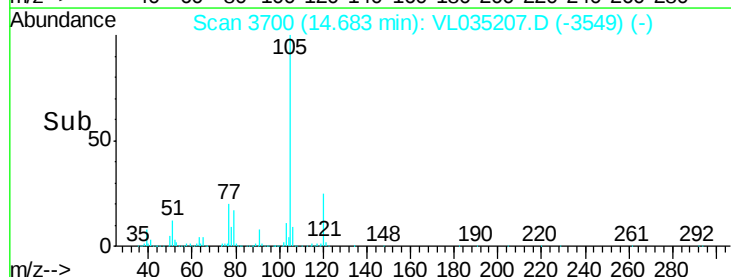
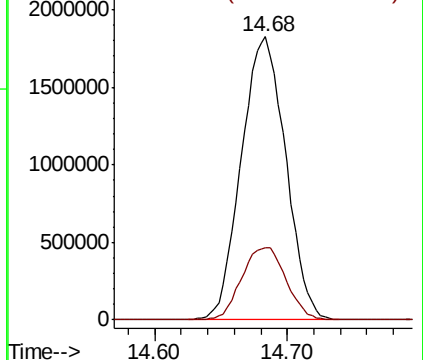
105 100

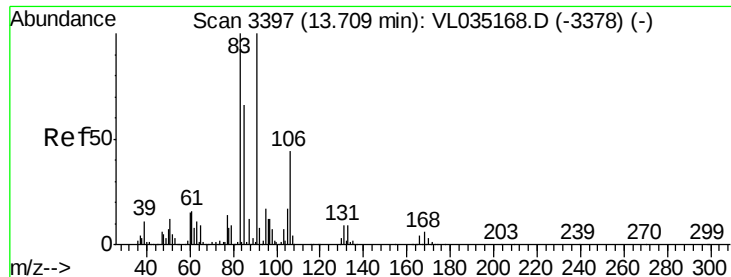
120 25.7 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

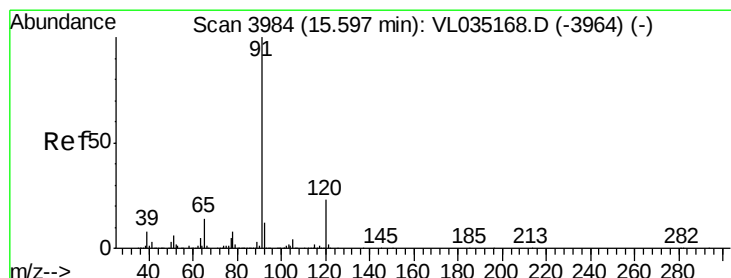
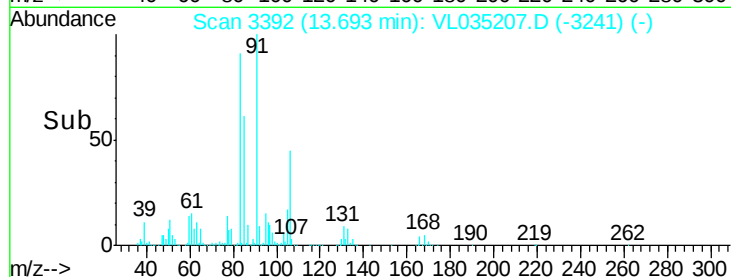
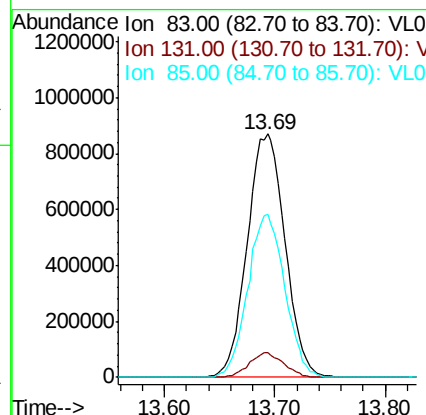
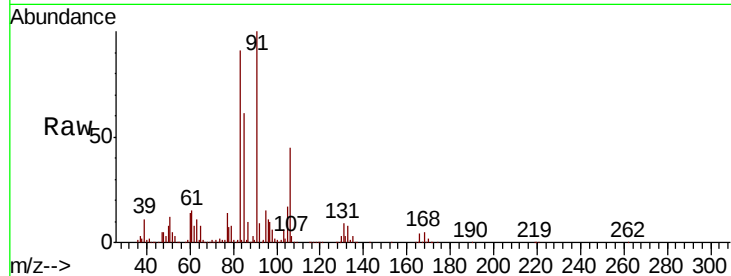




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.560 ppbv
 RT: 13.69 min Scan# 3392
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

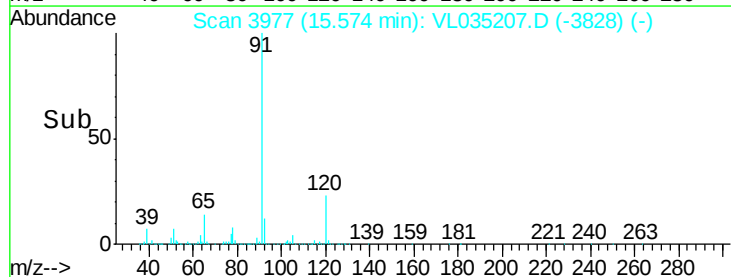
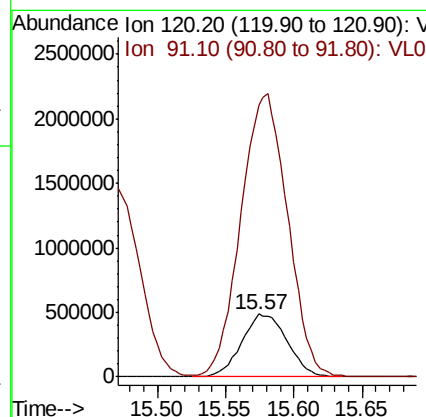
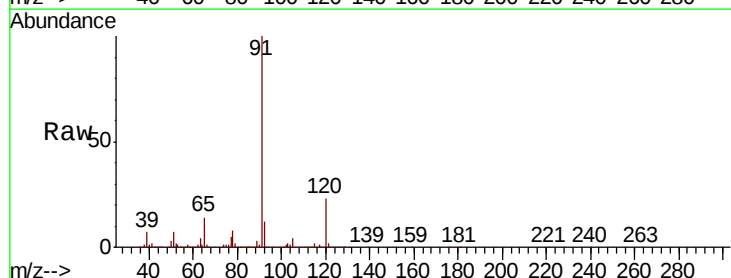
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

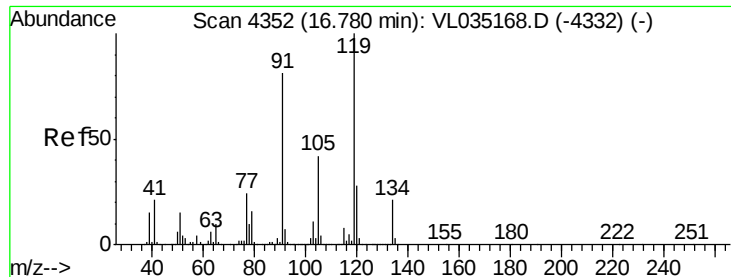
Tot Ion: 83 Resp: 2067434
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 65.7 33.0 99.0



#64
 n-propylbenzene
 Concen: 10.113 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Tgt Ion: 120 Resp: 1119268
 Ion Ratio Lower Upper
 120 100
 91 467.0 372.4 558.6





#65

tert-Butylbenzene

Concen: 9.840 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

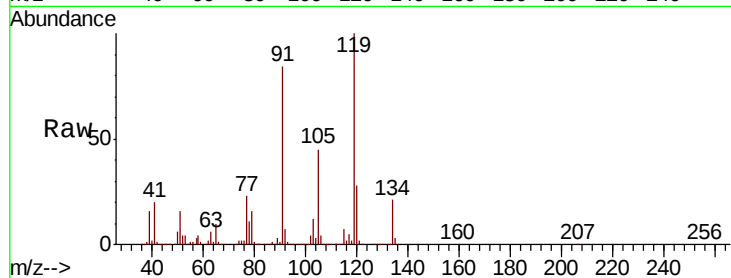
Tot Ion:119 Resp: 3786343

Ion Ratio Lower Upper

119 100

91 84.6 67.5 101.3

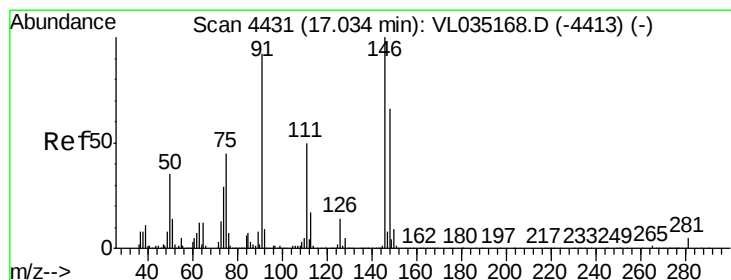
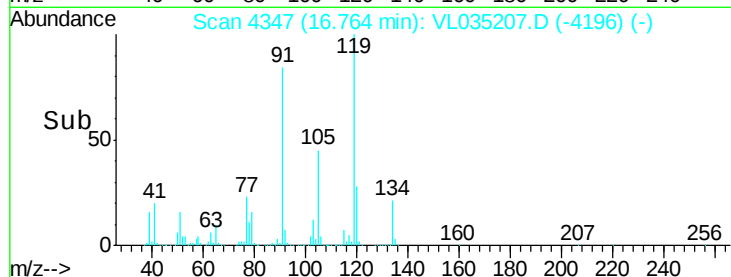
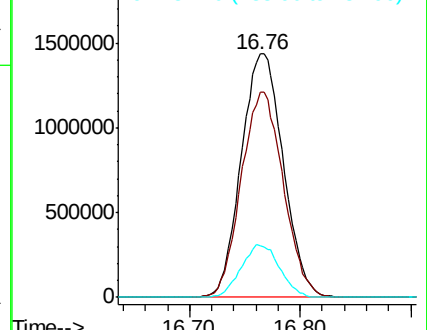
134 19.8 16.0 24.0



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: 11.098 ppbv

RT: 17.01 min Scan# 4424

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

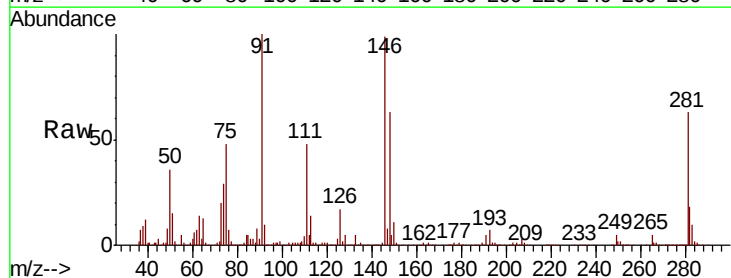
Tgt Ion: 91 Resp: 1521402

Ion Ratio Lower Upper

91 100

126 17.4 13.9 20.9

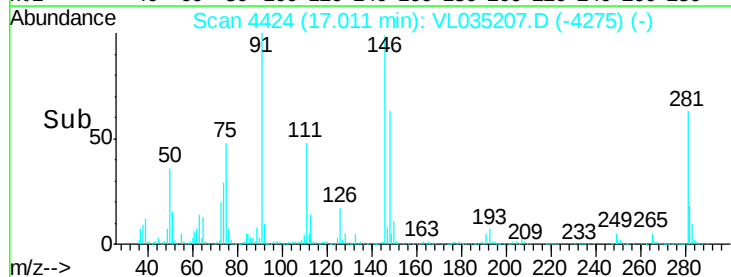
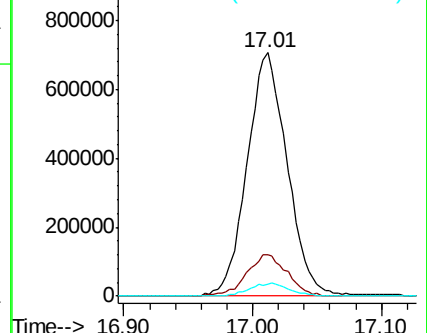
128 5.2 4.2 6.4

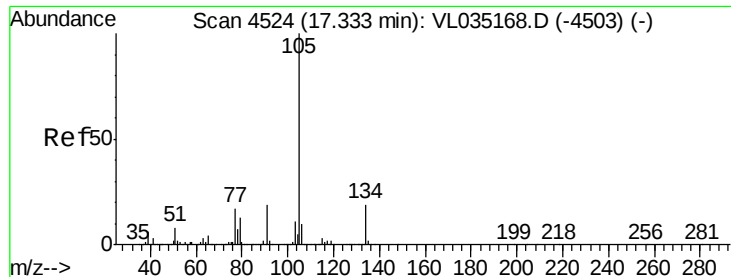


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.668 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

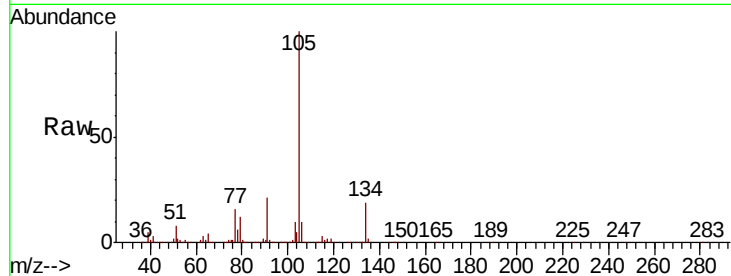
VSTDCCC010EC

Tot Ion:105 Resp: 5423206

Ion Ratio Lower Upper

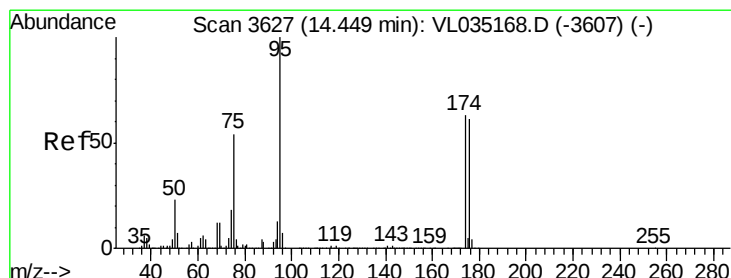
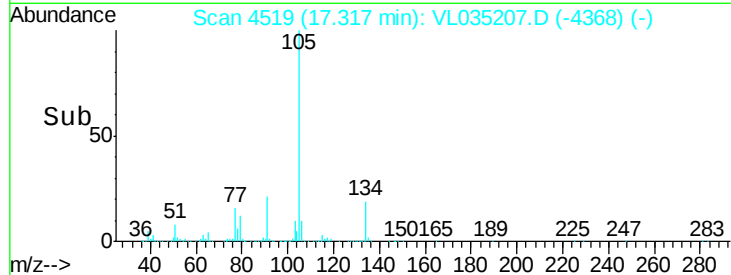
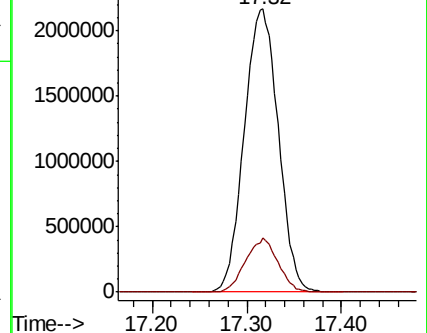
105 100

134 18.2 14.6 21.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.256 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

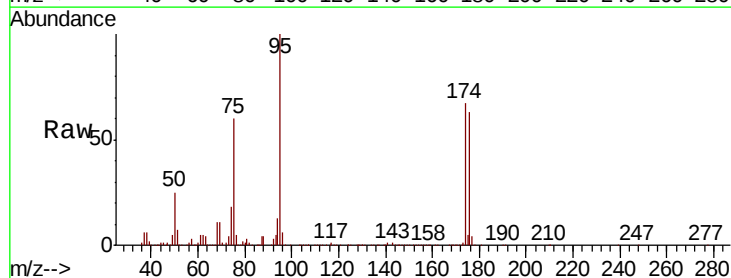
Tgt Ion: 95 Resp: 2211317

Ion Ratio Lower Upper

95 100

174 65.1 52.2 78.2

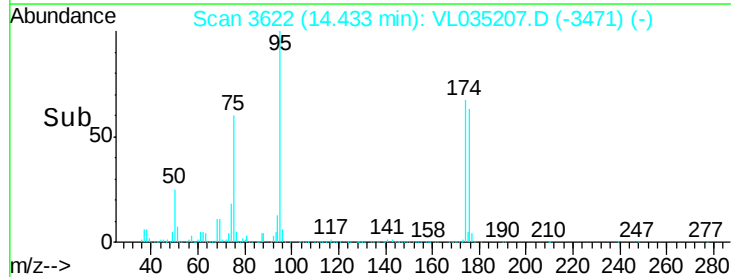
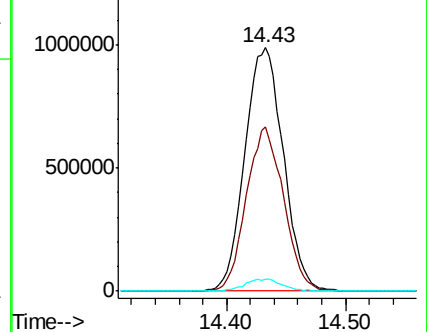
175 4.8 4.0 6.0

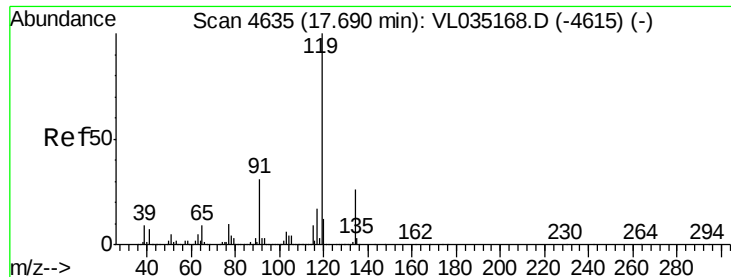


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

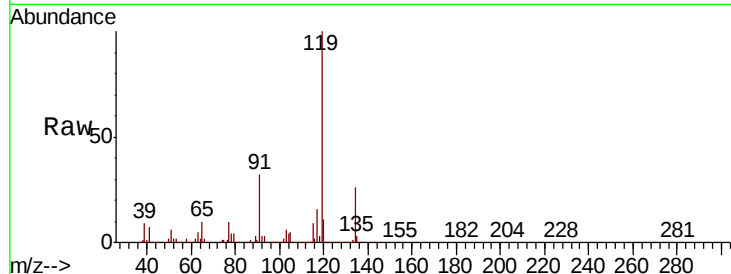




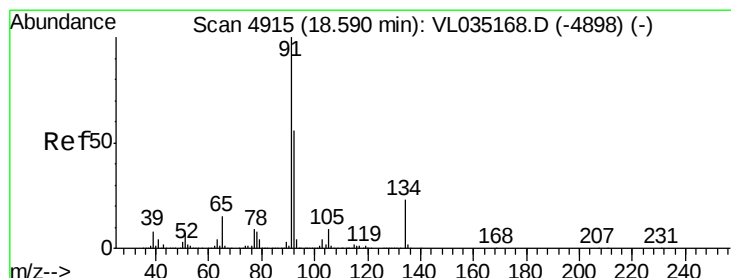
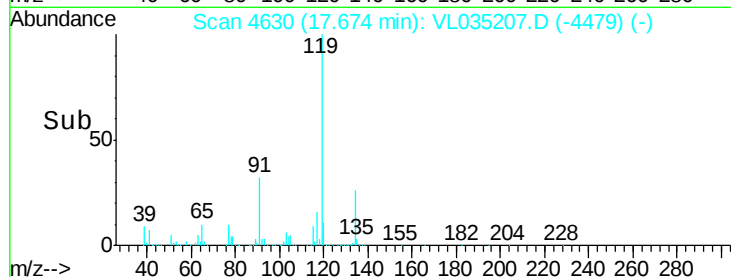
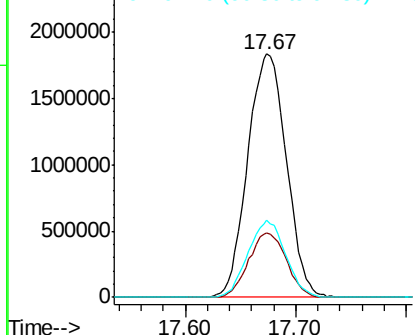
#69
 p-Isopropyltoluene
 Concen: 10.137 ppbv
 RT: 17.67 min Scan# 4630
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 4457026
 Ion Ratio Lower Upper
 119 100
 134 26.0 20.8 31.2
 91 30.9 24.9 37.3

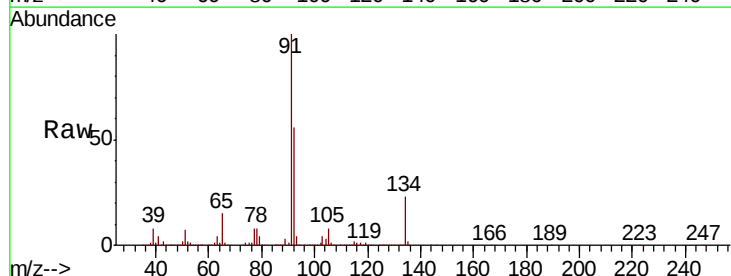


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

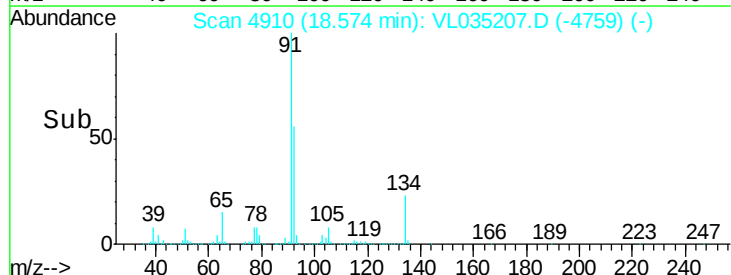
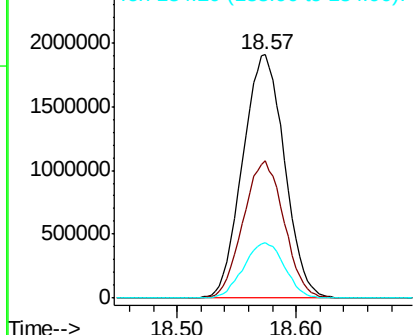


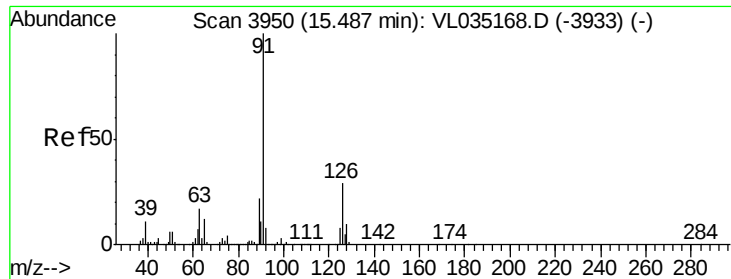
#70
 n-Butylbenzene
 Concen: 9.924 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Tgt Ion: 91 Resp: 4626346
 Ion Ratio Lower Upper
 91 100
 92 55.2 44.0 66.0
 134 22.4 18.0 27.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V

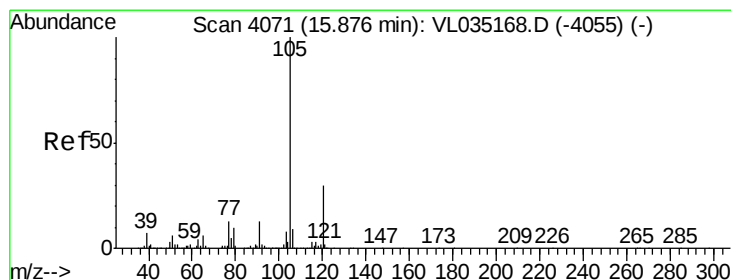
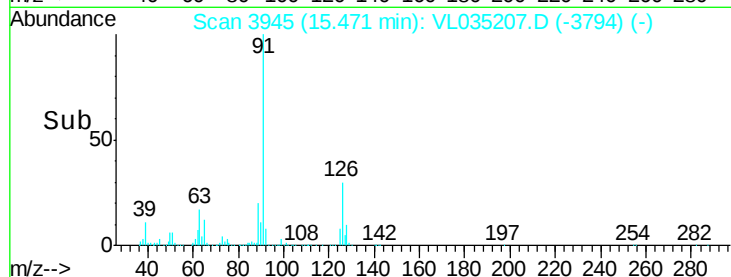
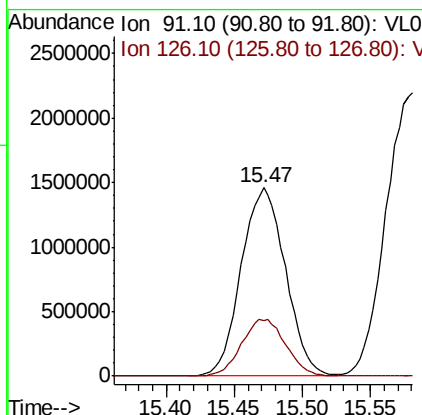
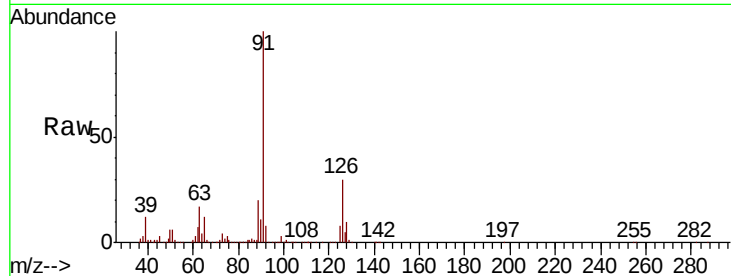




#71
2-Chlorotoluene
Concen: 10.152 ppbv
RT: 15.47 min Scan# 3945
Delta R.T. -0.02 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

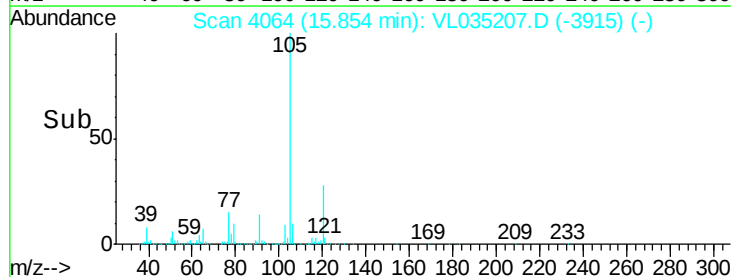
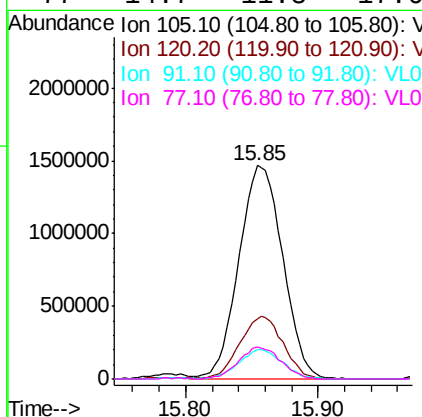
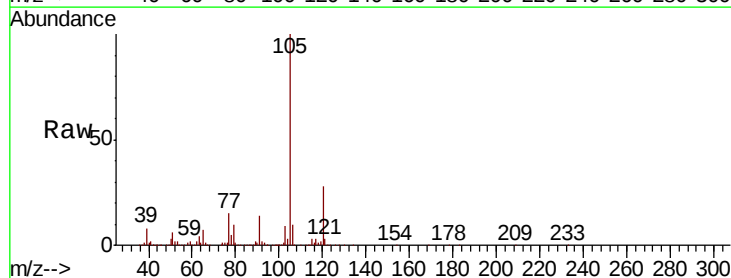
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

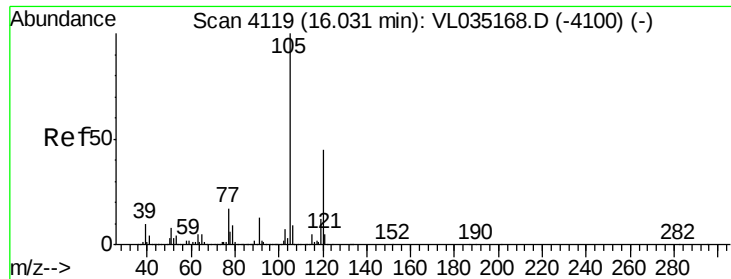
Tot Ion: 91 Resp: 3291200
Ion Ratio Lower Upper
91 100
126 30.1 12.0 48.0



#72
4-Ethyltoluene
Concen: 10.312 ppbv
RT: 15.85 min Scan# 4064
Delta R.T. -0.02 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

Tgt Ion: 105 Resp: 3358413
Ion Ratio Lower Upper
105 100
120 29.1 23.2 34.8
91 13.8 10.9 16.3
77 14.7 11.8 17.6





#73

1,3,5-Trimethylbenzene

Concen: 10.181 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

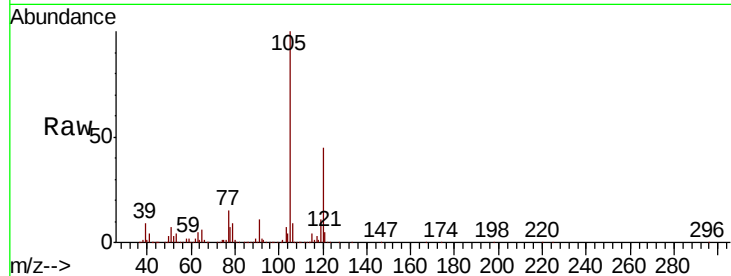
VSTDCCC010EC

Tot Ion:105 Resp: 3197518

Ion Ratio Lower Upper

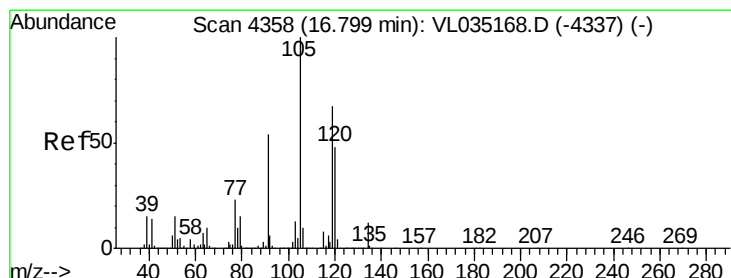
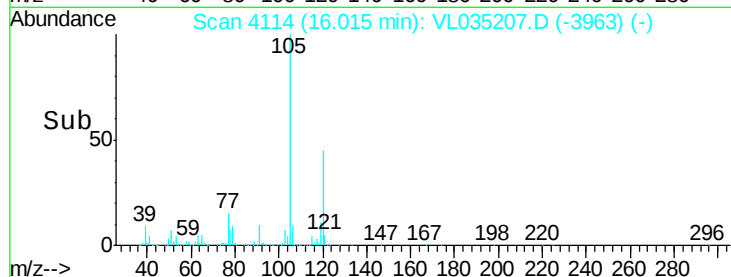
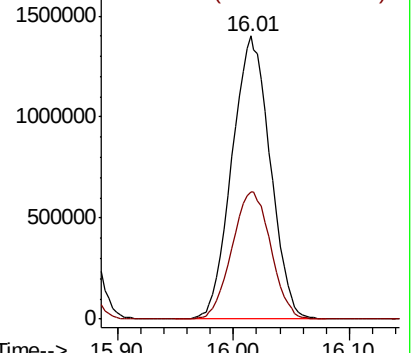
105 100

120 44.9 36.2 54.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.562 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Tgt Ion:105 Resp: 3318715

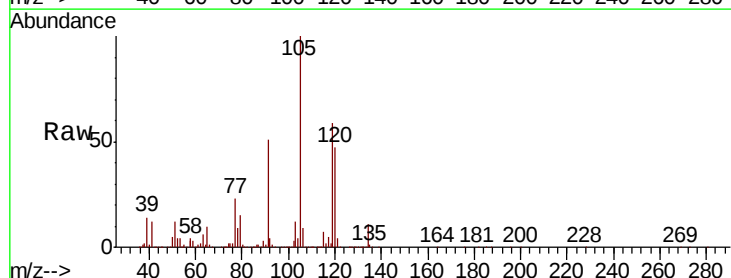
Ion Ratio Lower Upper

105 100

120 47.3 38.6 57.8

91 50.6 43.6 65.4

77 23.2 18.3 27.5

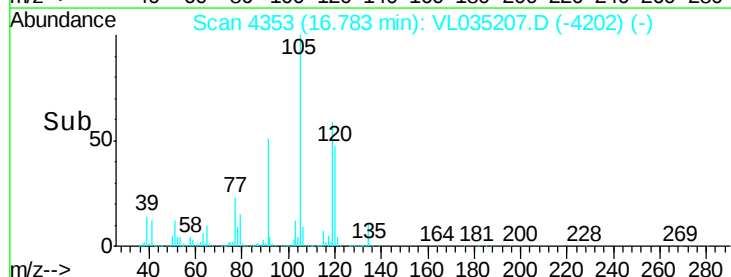
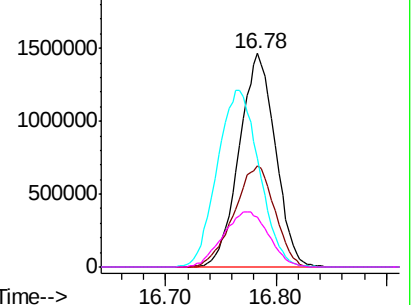


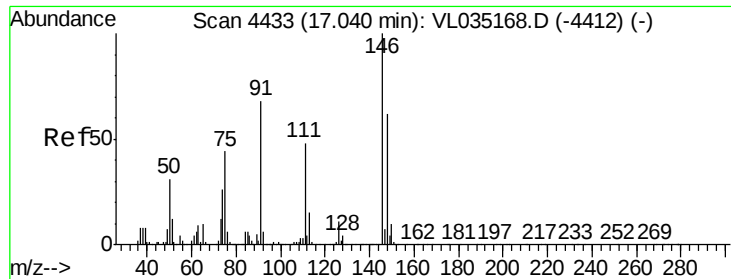
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 8.593 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

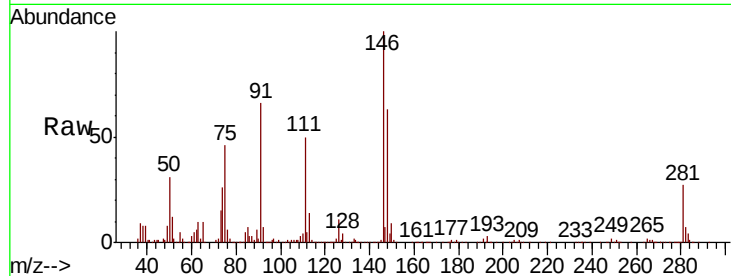
Tot Ion:146 Resp: 1888599

Ion Ratio Lower Upper

146 100

111 49.5 24.7 74.1

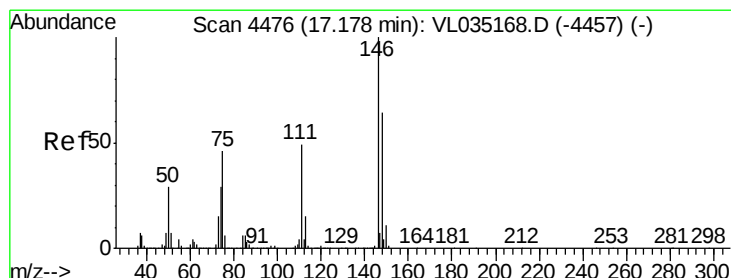
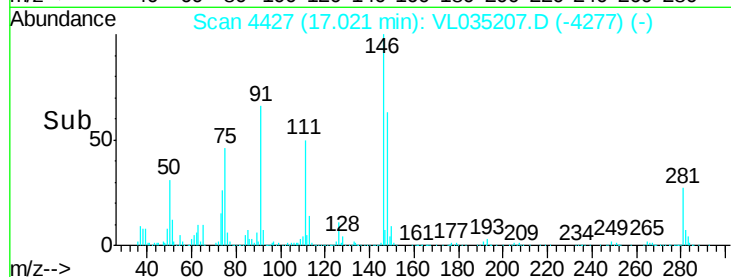
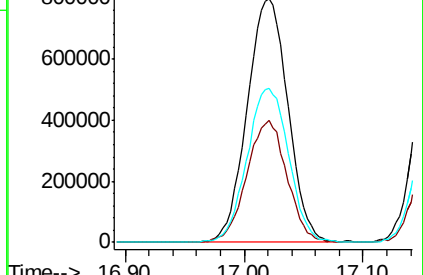
148 64.8 32.4 97.0



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



#76

1,4-Dichlorobenzene

Concen: 9.261 ppbv

RT: 17.16 min Scan# 4470

Delta R.T. -0.02 min

Lab File: VL035207.D

Acq: 16 Jul 2020 23:39

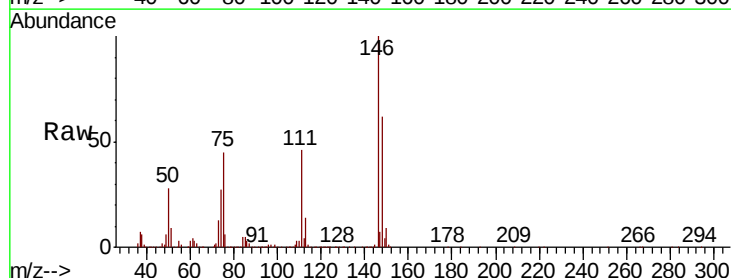
Tgt Ion:146 Resp: 1891664

Ion Ratio Lower Upper

146 100

111 46.7 23.8 71.2

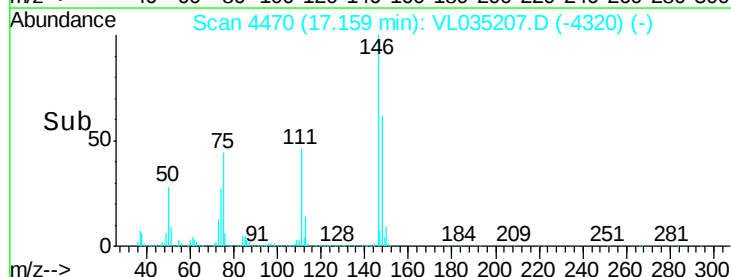
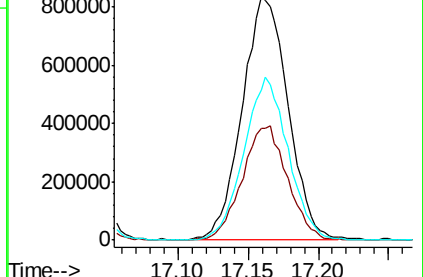
148 64.7 32.3 96.9

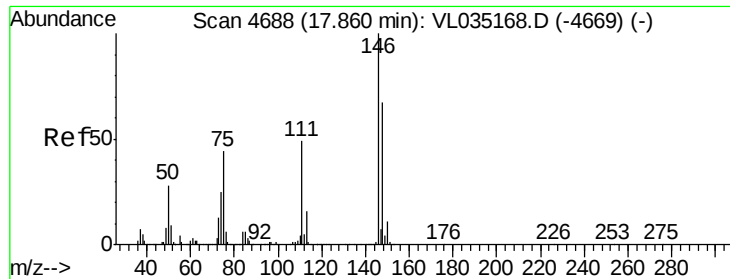


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

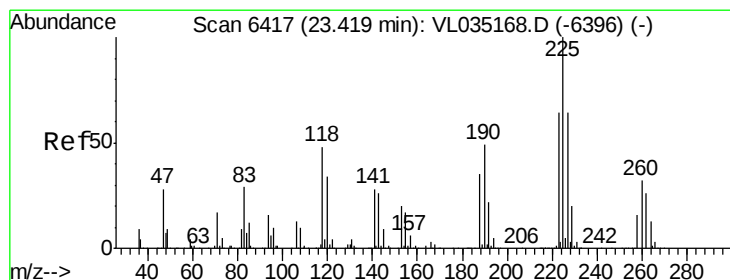
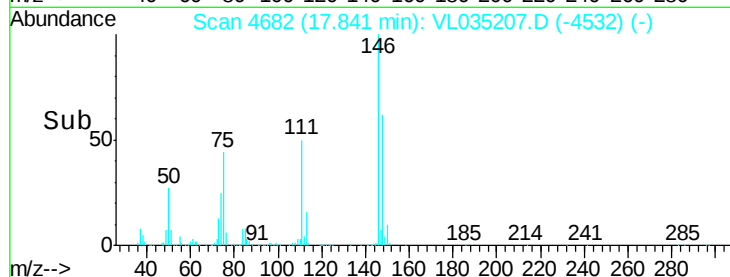
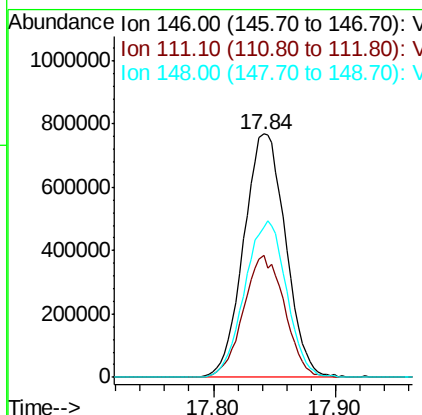
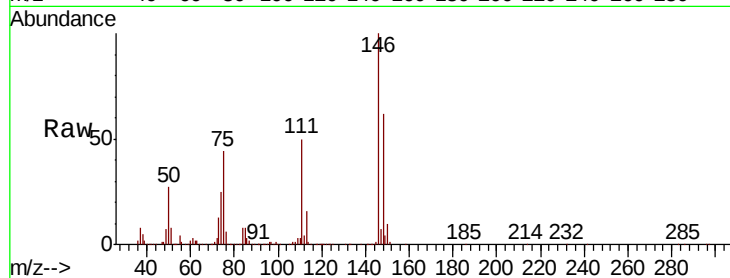




#77
 1,2-Dichlorobenzene
 Concen: 9.213 ppbv
 RT: 17.84 min Scan# 4682
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

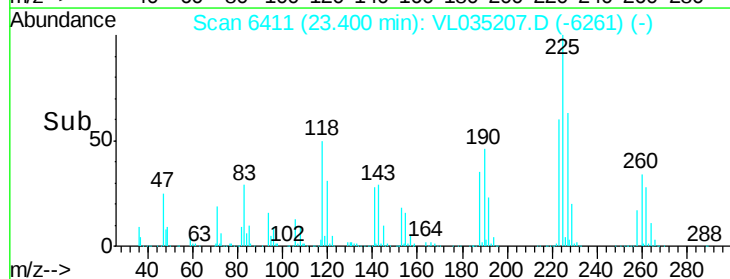
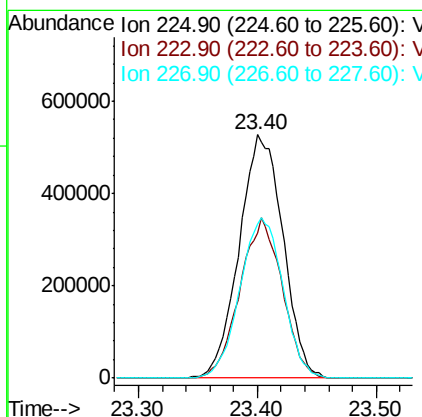
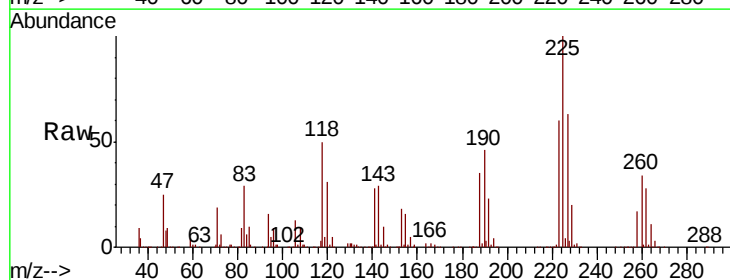
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

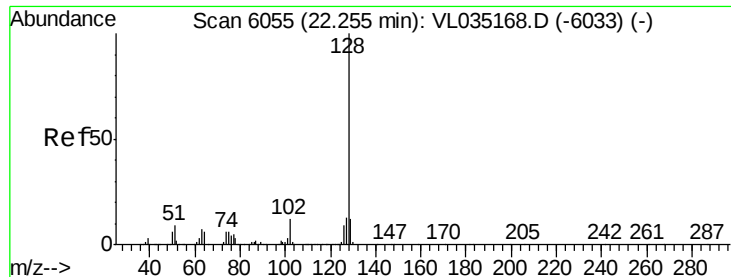
Tot Ion:146 Resp: 1823205
 Ion Ratio Lower Upper
 146 100
 111 49.3 25.1 75.2
 148 64.3 32.4 97.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.588 ppbv
 RT: 23.40 min Scan# 6411
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Tgt Ion:225 Resp: 1342942
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.2 75.2
 227 64.7 51.2 76.8

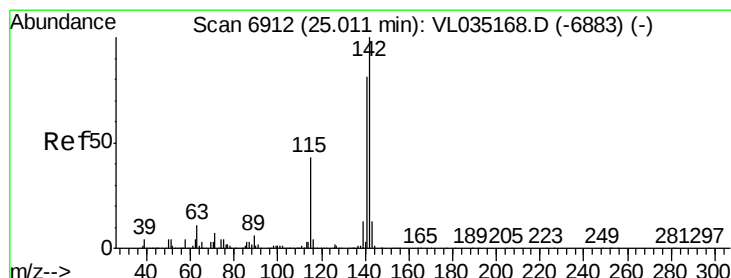
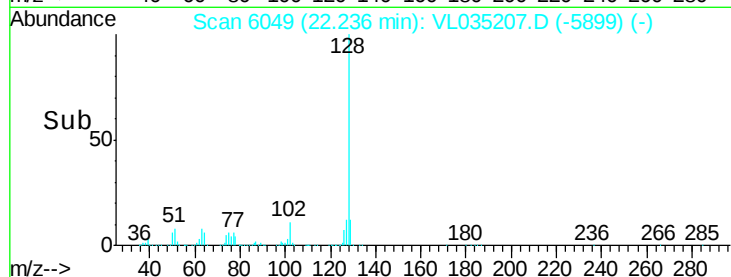
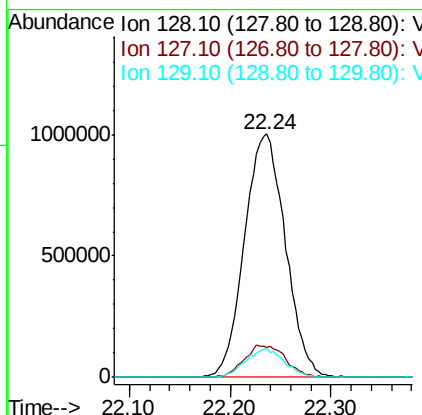
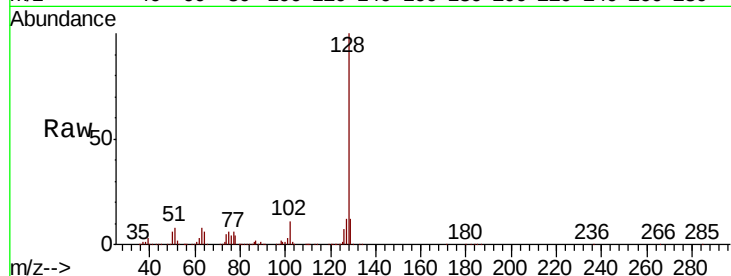




#79
Naphthalene
Concen: 12.527 ppbv
RT: 22.24 min Scan# 6049
Delta R.T. -0.02 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

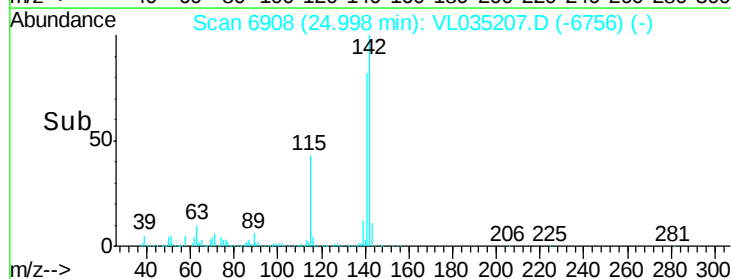
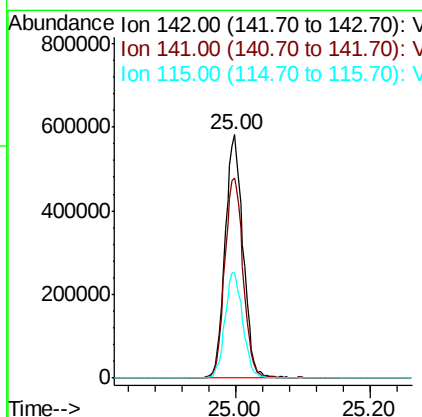
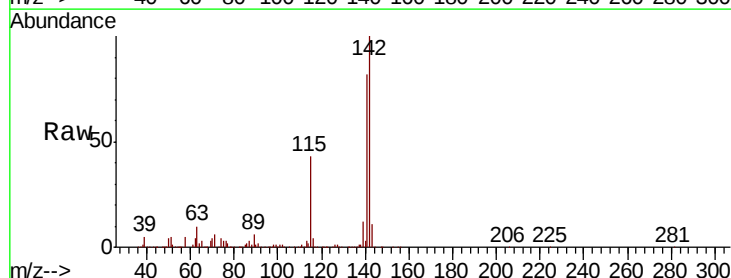
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

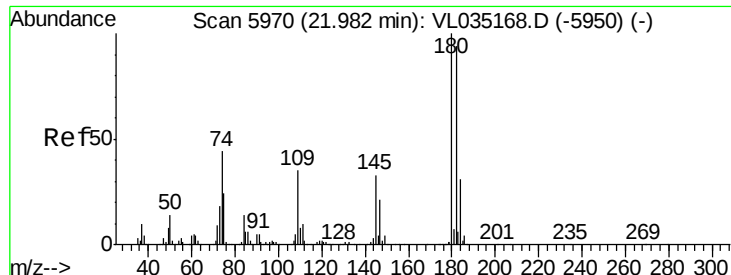
Tot Ion:128 Resp: 2813383
Ion Ratio Lower Upper
128 100
127 12.1 10.8 16.2
129 11.5 9.4 14.2



#80
Naphthalene, 2-methyl-
Concen: 20.494 ppbv
RT: 25.00 min Scan# 6908
Delta R.T. -0.01 min
Lab File: VL035207.D
Acq: 16 Jul 2020 23:39

Tgt Ion:142 Resp: 1087215
Ion Ratio Lower Upper
142 100
141 83.8 68.2 102.4
115 43.1 34.4 51.6

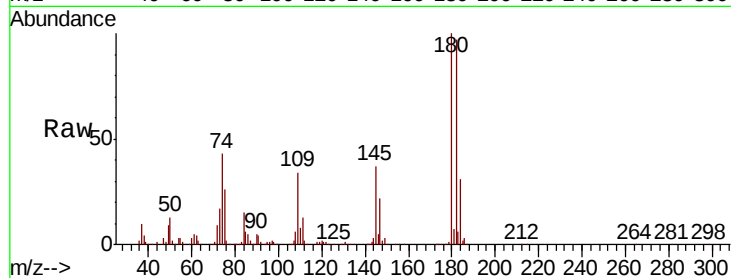




#81
 1,2,4-Trichlorobenzene
 Concen: 10.733 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. -0.02 min
 Lab File: VL035207.D
 Acq: 16 Jul 2020 23:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 1527088
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.7 115.1
 184 31.7 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

