

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035525.D
 Acq On : 27 Aug 2020 19:01
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Aug 28 01:28:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	997557	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	4292875	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.13	117	5509732	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	3238175	8.28	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1568116	9.071	ppbv 98
3) Chlorodifluoromethane	3.00	51	1059571	9.604	ppbv 99
4) Chloromethane	3.15	50	568414	9.616	ppbv 100
5) Vinyl Chloride	3.27	62	672245	9.225	ppbv 100
6) Bromomethane	3.48	94	593711	9.700	ppbv 98
7) Chloroethane	3.57	64	253321	9.832	ppbv 97
8) Dichlorotetrafluoroethane	3.20	85	1982544	9.469	ppbv 99
9) Propene	3.02	41	411279	9.670	ppbv 100
10) Heptane	8.16	43	1159633	10.150	ppbv 99
11) Trichlorofluoromethane	3.96	101	2449096	9.714	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1846242	9.703	ppbv 100
13) Ethanol	3.62	45	100046	9.487	ppbv 97
14) Bromoethene	3.75	108	818452	9.993	ppbv 100
15) Acetone	3.86	43	896218	8.146	ppbv 99
16) 1,3-Butadiene	3.34	39	416042	10.158	ppbv 99
17) tert-Butyl alcohol	4.31	59	1294293	9.665	ppbv 99
18) 1,1-Dichloroethene	4.30	96	845560	10.091	ppbv 99
19) Isopropyl Alcohol	3.98	45	664746	10.128	ppbv # 98
20) Methylene Chloride	4.36	84	726587	8.867	ppbv 98
21) Allyl Chloride	4.43	41	530677	10.295	ppbv 97
22) trans-1,2-Dichloroethene	4.91	96	894158	10.024	ppbv 99
23) Vinyl Acetate	5.10	43	1420247	10.058	ppbv 99
24) 1,1-Dichloroethane	5.03	63	1434900	9.874	ppbv 99
25) Ethyl Acetate	5.70	43	1883869	9.692	ppbv 99
26) Hexane	5.71	57	1092324	9.919	ppbv 98
27) Carbon Disulfide	4.57	76	1784177	11.290	ppbv 100
28) Methyl tert-Butyl Ether	5.06	73	1884481	9.818	ppbv 100
29) Chloroform	5.78	83	2206289	9.833	ppbv 99
30) Cyclohexane	7.16	84	1224390	10.378	ppbv 99
31) cis-1,2-Dichloroethene	5.57	61	1154306	10.216	ppbv 99
32) 1,1,1-Trichloroethane	6.54	97	2171741	9.977	ppbv 99
34) 2-Butanone	5.27	43	1291746	10.139	ppbv 99
35) Carbon Tetrachloride	7.05	117	2326862	10.785	ppbv 99
36) Benzene	6.92	78	2807759	10.104	ppbv 99
37) 1,2-Dichloroethane	6.34	62	1350020	10.190	ppbv 99
38) Trichloroethene	7.87	130	1514984	9.386	ppbv 97
39) 1,2-Dichloropropane	7.65	63	946205	10.080	ppbv 99
40) 1,4-Dioxane	7.86	88	491665	10.485	ppbv 88
41) Tetrahydrofuran	6.08	42	738282	10.928	ppbv 99
42) Bromodichloromethane	7.83	83	2320273	10.830	ppbv 99
43) Methyl Methacrylate	8.05	69	1168548	10.875	ppbv 99

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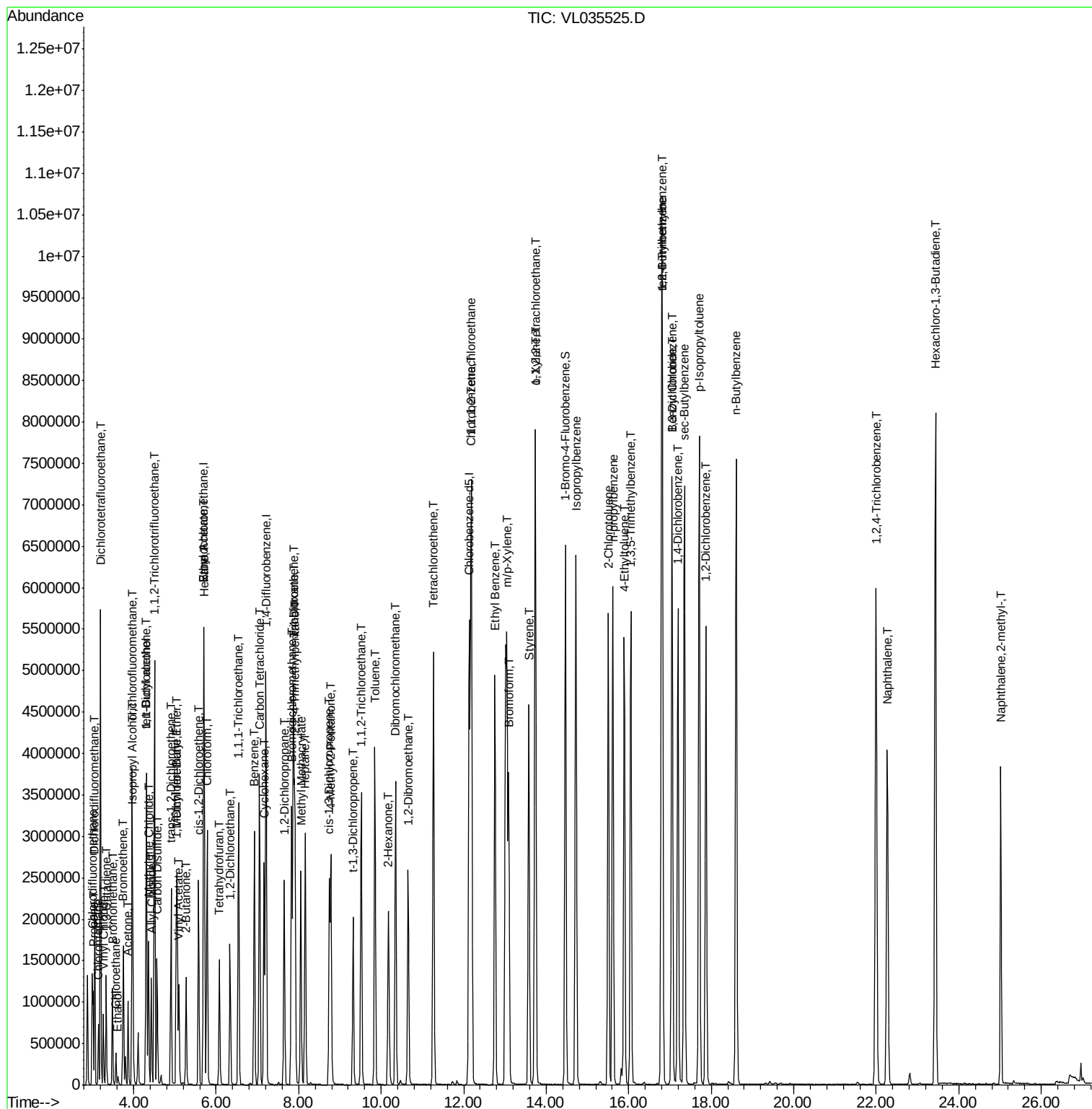
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3683574	10.075	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1287702	11.830	ppbv	99
46) cis-1,3-Dichloropropene	8.74	75	1557786	11.526	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	1396983	10.085	ppbv	98
48) Dibromochloromethane	10.35	129	2463866	11.302	ppbv	100
49) Bromoform	13.09	173	2322788	11.757	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	1966631	10.661	ppbv	100
51) 2-Hexanone	10.18	43	1687964	11.154	ppbv #	99
52) Tetrachloroethene	11.27	164	1514835	9.331	ppbv	99
53) Toluene	9.85	91	3619446	10.358	ppbv	100
54) 1,2-Dibromoethane	10.65	107	2230147	10.189	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.17	131	1916826	8.550	ppbv	98
57) Chlorobenzene	12.19	112	3140538	7.745	ppbv	99
58) Ethyl Benzene	12.76	91	4749372	8.359	ppbv	100
59) m/p-Xylene	13.05	91	4179358	8.803	ppbv #	38
60) o-Xylene	13.74	91	3962878	8.288	ppbv	99
61) Styrene	13.58	104	3199835	8.750	ppbv	99
62) Isopropylbenzene	14.72	105	6115621	7.962	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	2845395	7.675	ppbv	99
64) n-propylbenzene	15.62	120	1929698	8.233	ppbv	94
65) tert-Butylbenzene	16.80	119	5851717	8.196	ppbv	99
66) Benzyl Chloride	17.04	91	1835756	10.345	ppbv	97
67) sec-Butylbenzene	17.35	105	7675357	8.069	ppbv	98
69) p-Isopropyltoluene	17.71	119	6730909	8.066	ppbv	99
70) n-Butylbenzene	18.61	91	6537473	8.134	ppbv	99
71) 2-Chlorotoluene	15.51	91	4633989	8.285	ppbv	98
72) 4-Ethyltoluene	15.89	105	5079613	8.356	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	4719975	8.395	ppbv	97
74) 1,2,4-Trimethylbenzene	16.82	105	4955551	8.026	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	3547458	7.756	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	3578995	7.935	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	3466954	7.824	ppbv	99
78) Hexachloro-1,3-Butadiene	23.44	225	2271405	8.029	ppbv	100
79) Naphthalene	22.27	128	5965463	8.707	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	2307691	9.869	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	3403738	8.296	ppbv	100

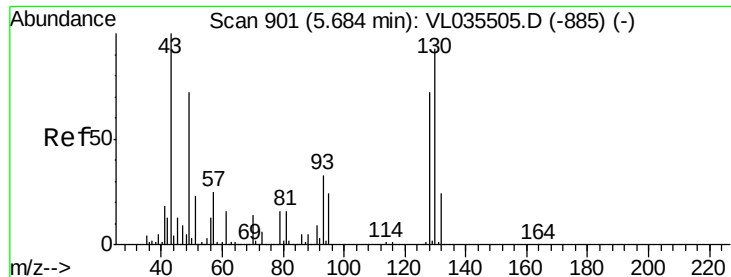
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

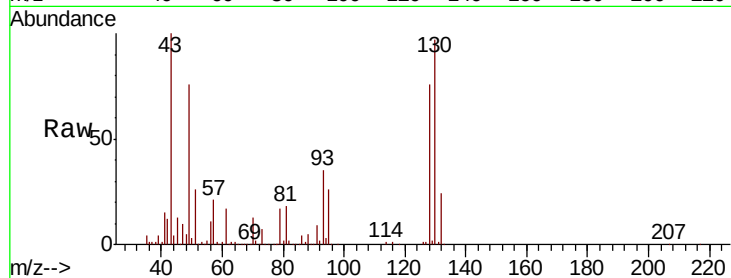
Tot Ion: 49 Resp: 997557

Ion Ratio Lower Upper

49 100

128 98.3 50.0 150.1

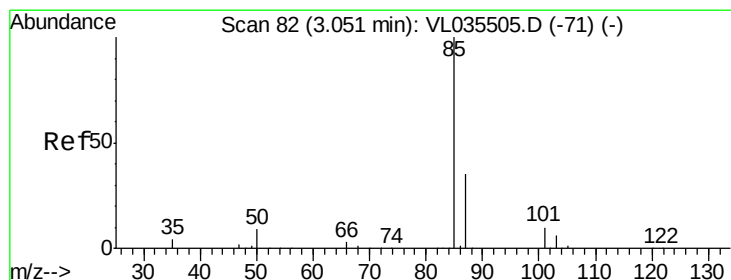
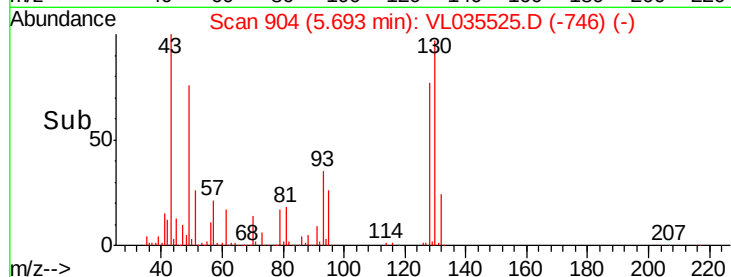
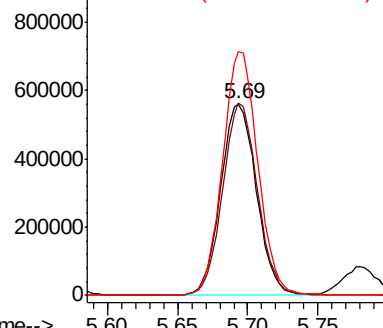
130 126.1 64.4 193.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.071 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL035525.D

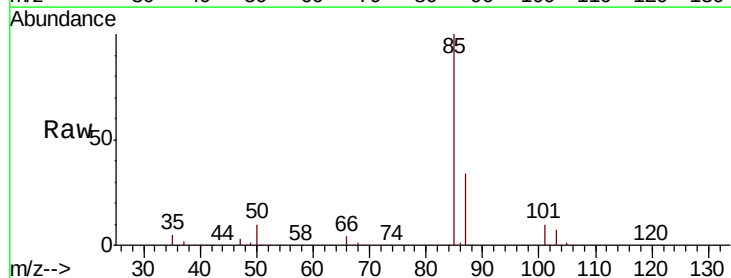
Acq: 27 Aug 2020 19:01

Tgt Ion: 85 Resp: 1568116

Ion Ratio Lower Upper

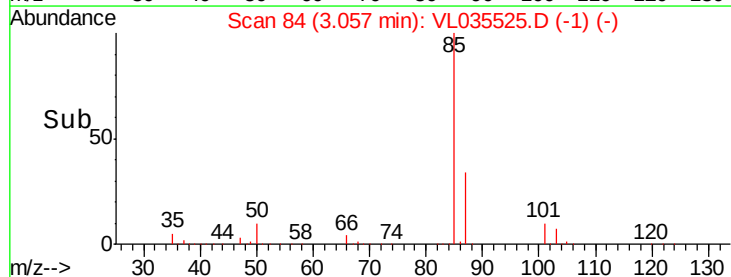
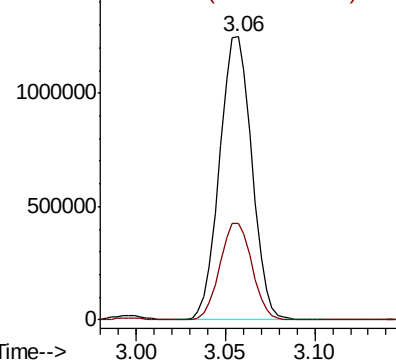
85 100

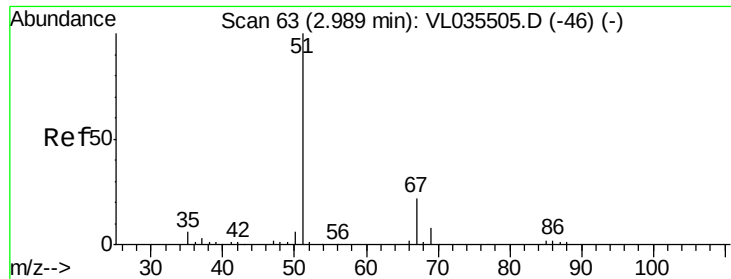
87 34.1 28.0 42.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.604 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

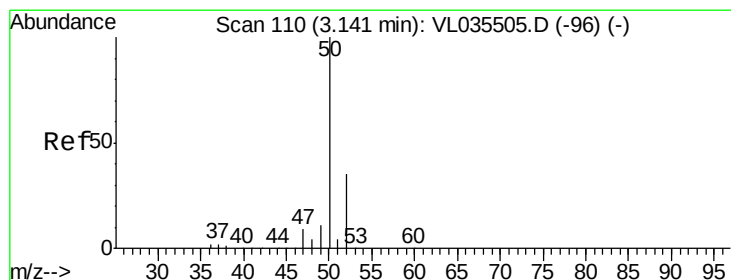
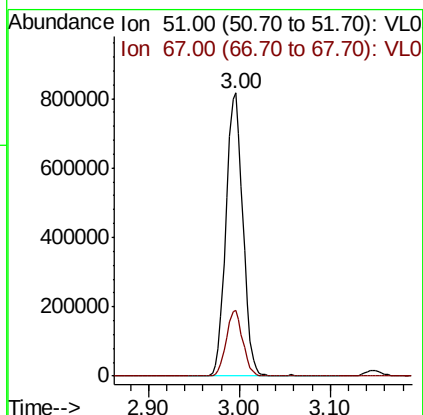
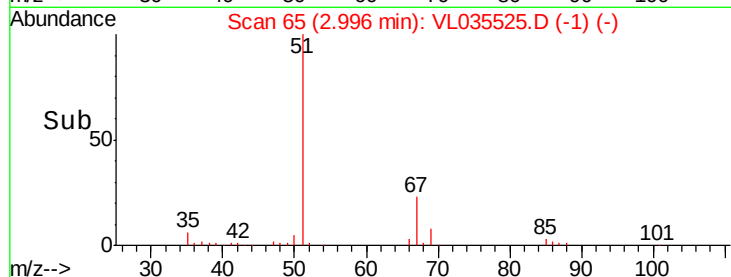
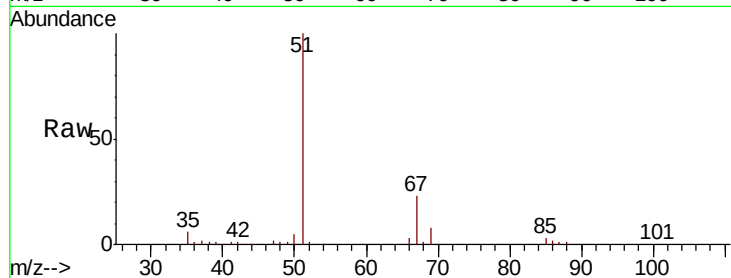
VSTDCCC010EC

Tot Ion: 51 Resp: 1059571

Ion Ratio Lower Upper

51 100

67 22.6 17.8 26.8



#4

Chloromethane

Concen: 9.616 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL035525.D

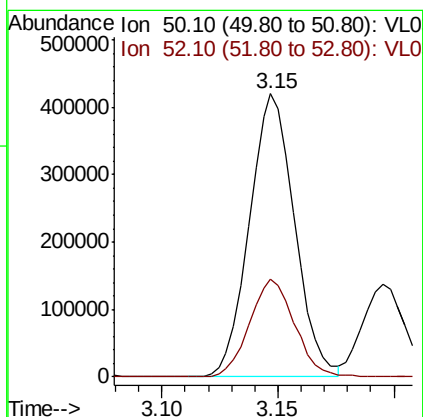
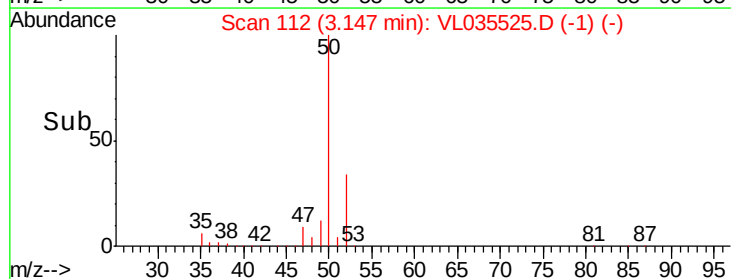
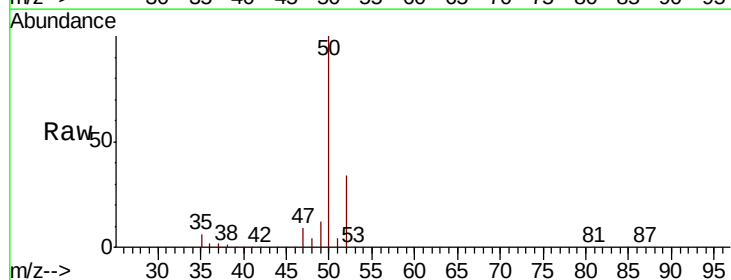
Acq: 27 Aug 2020 19:01

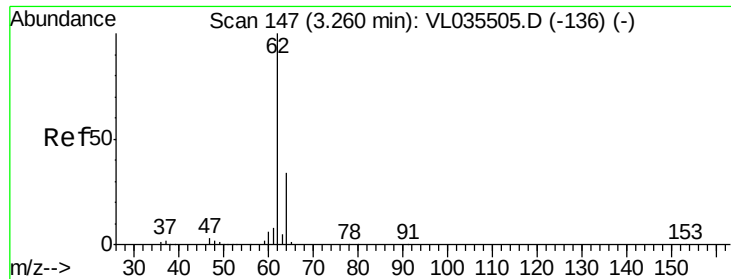
Tgt Ion: 50 Resp: 568414

Ion Ratio Lower Upper

50 100

52 34.4 27.7 41.5





#5

Vinyl Chloride

Concen: 9.225 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

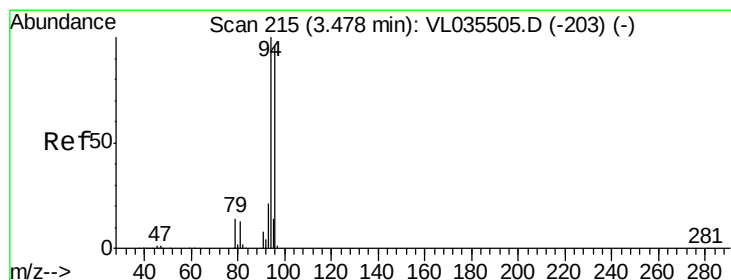
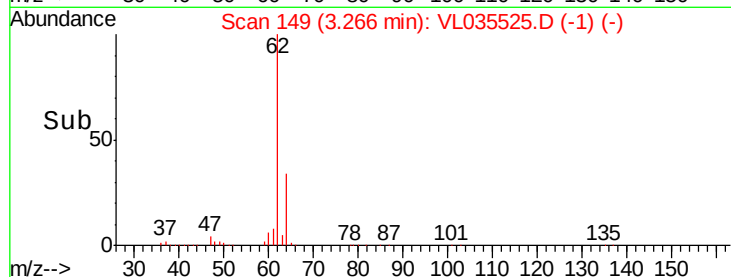
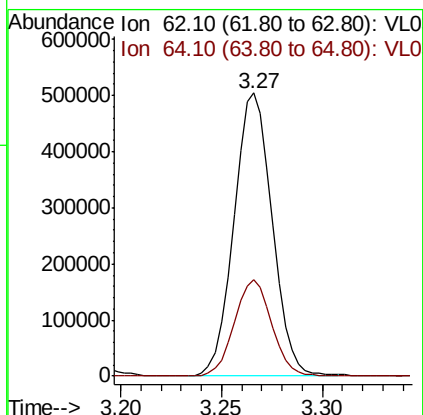
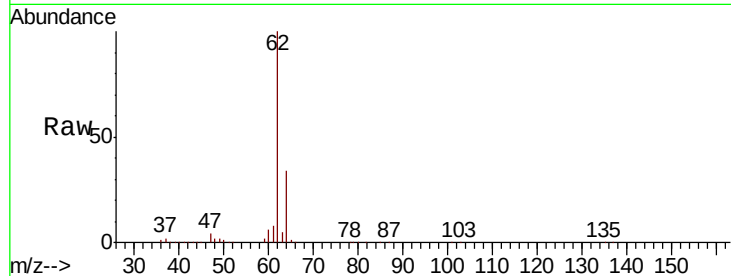
VSTDCCC010EC

Tot Ion: 62 Resp: 672245

Ion Ratio Lower Upper

62 100

64 34.2 27.4 41.2



#6

Bromomethane

Concen: 9.700 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.01 min

Lab File: VL035525.D

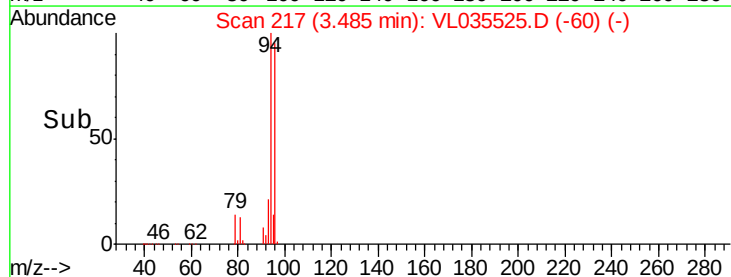
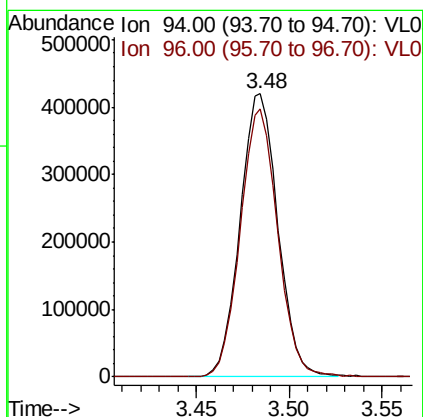
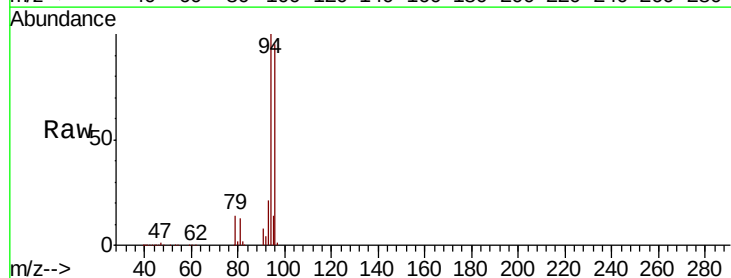
Acq: 27 Aug 2020 19:01

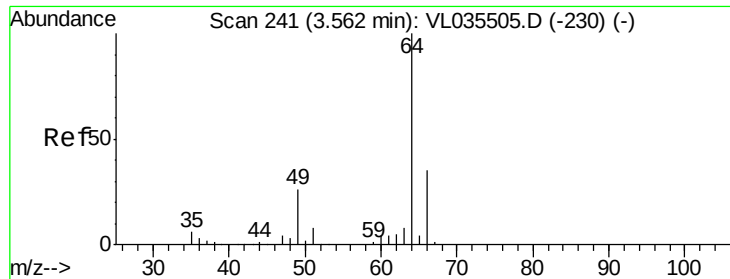
Tgt Ion: 94 Resp: 593711

Ion Ratio Lower Upper

94 100

96 94.6 77.1 115.7





#7

Chloroethane

Concen: 9.832 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

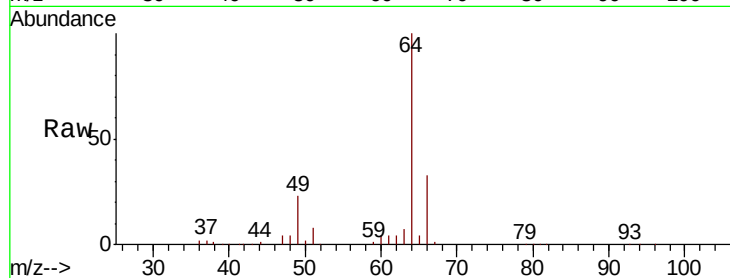
VSTDCCC010EC

Tot Ion: 64 Resp: 253321

Ion Ratio Lower Upper

64 100

66 32.7 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.57

200000

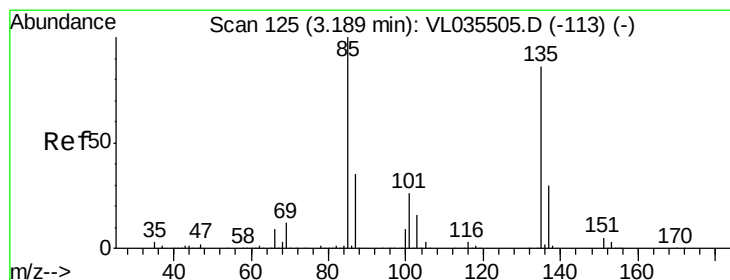
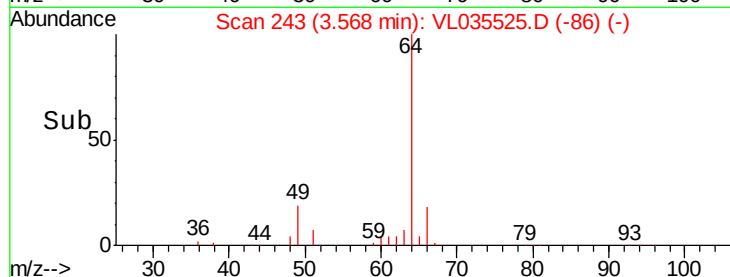
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.469 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.01 min

Lab File: VL035525.D

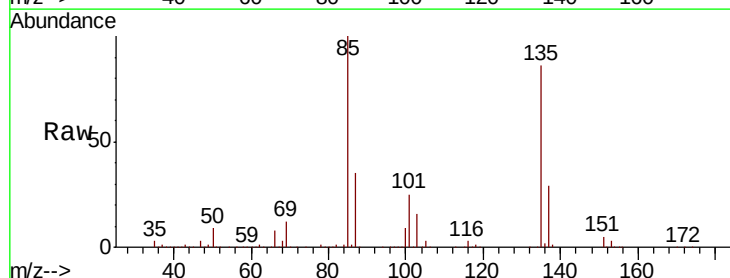
Acq: 27 Aug 2020 19:01

Tgt Ion: 85 Resp: 1982544

Ion Ratio Lower Upper

85 100

135 87.2 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.20

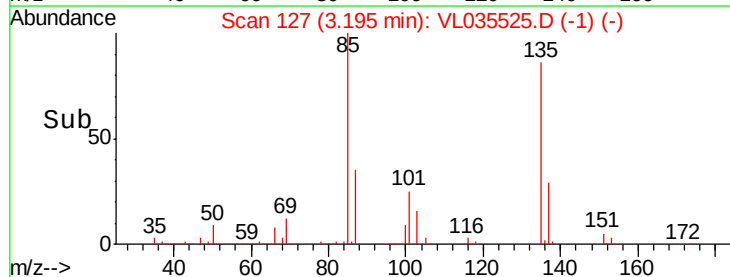
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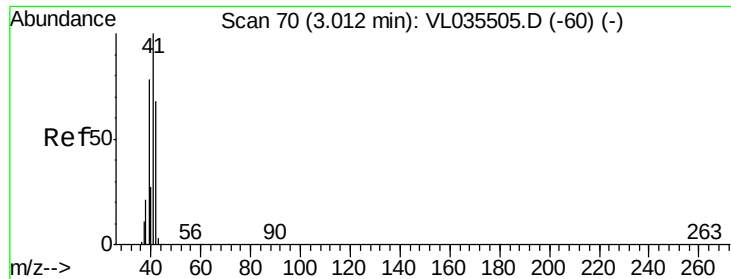
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500000

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Time-->





#9

Propene

Concen: 9.670 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.00 min

Lab File: VL035525.D

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Instrument :

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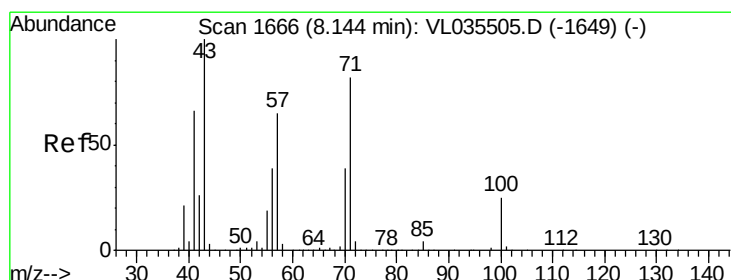
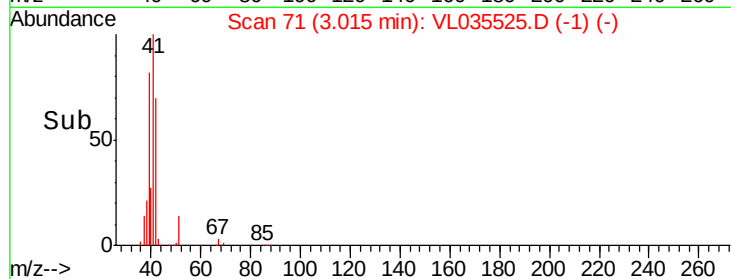
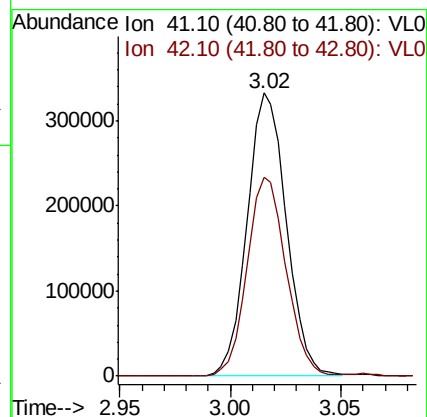
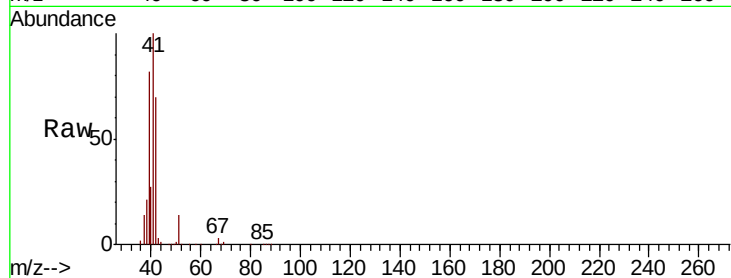
VSTDCCC010EC

Tot Ion: 41 Resp: 411279

Ion Ratio Lower Upper

41 100

42 70.5 56.3 84.5



#10

Heptane

Concen: 10.150 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. 0.02 min

Lab File: VL035525.D

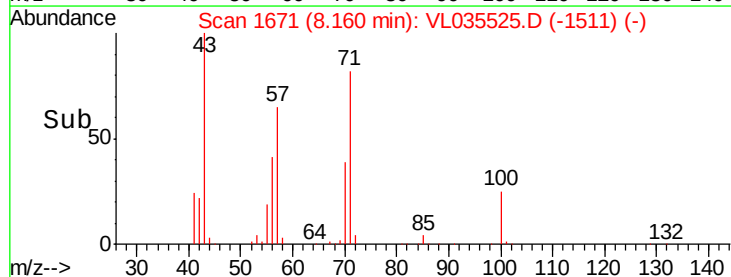
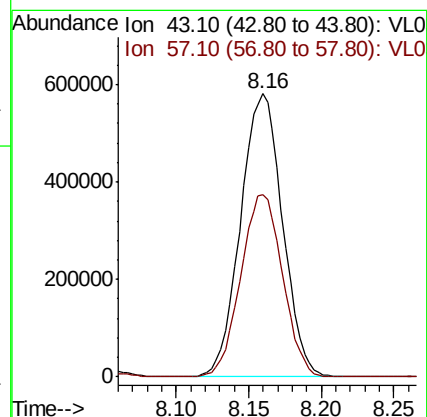
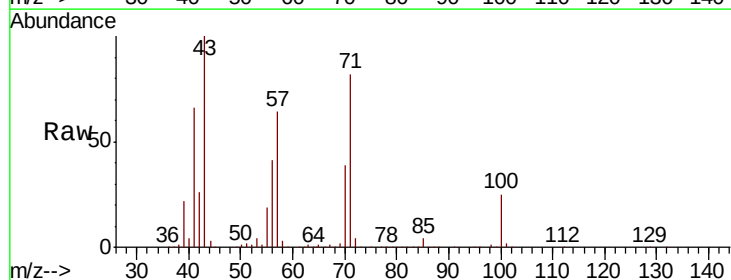
Acq: 27 Aug 2020 19:01

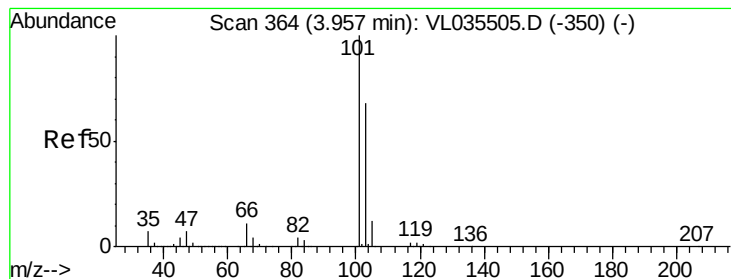
Tgt Ion: 43 Resp: 1159633

Ion Ratio Lower Upper

43 100

57 64.7 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.714 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

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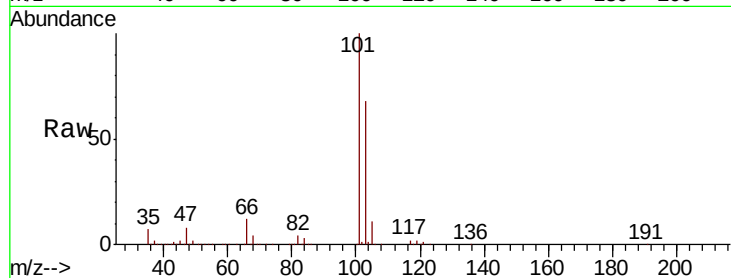
VSTDCCC010EC

Tot Ion:101 Resp: 2449096

Ion Ratio Lower Upper

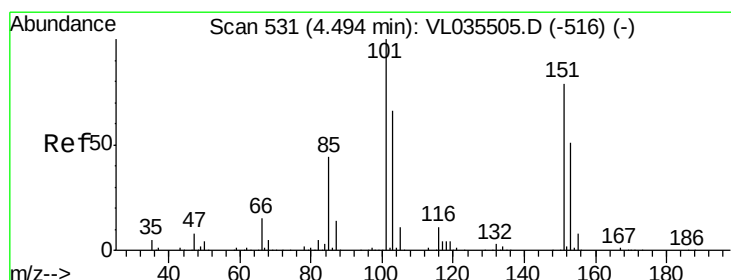
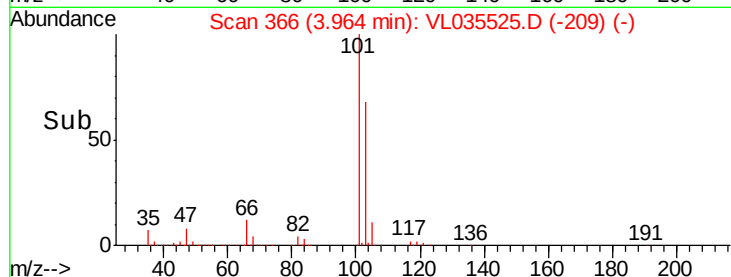
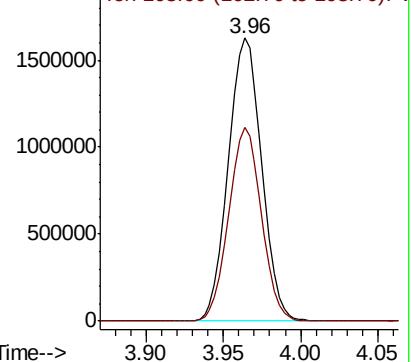
101 100

103 68.3 54.5 81.7



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: 9.703 ppbv

RT: 4.50 min Scan# 534

Delta R.T. 0.01 min

Lab File: VL035525.D

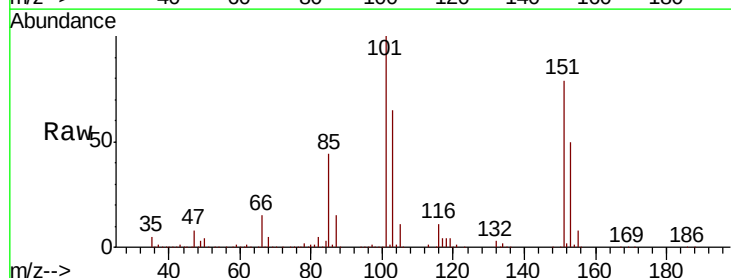
Acq: 27 Aug 2020 19:01

Tgt Ion:101 Resp: 1846242

Ion Ratio Lower Upper

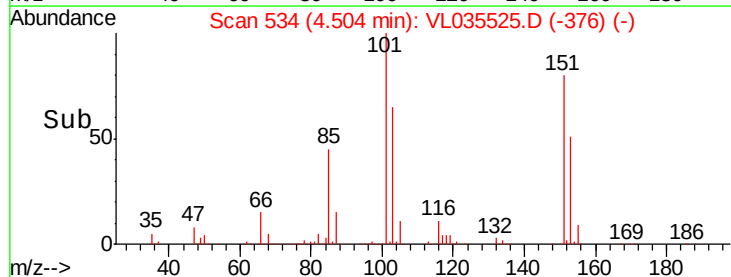
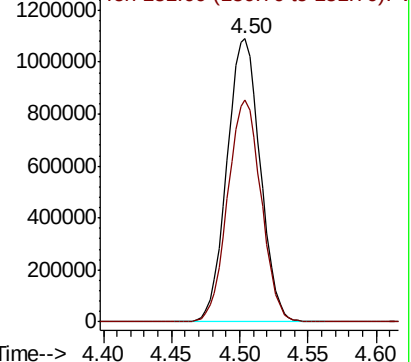
101 100

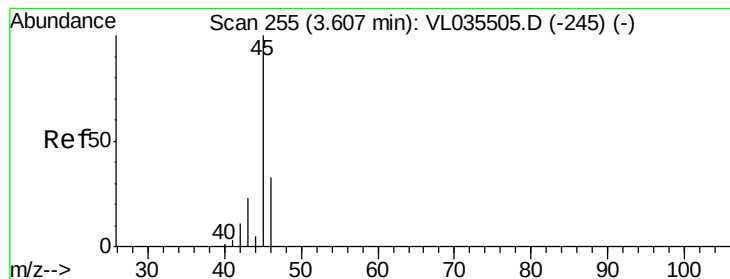
151 79.1 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.487 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

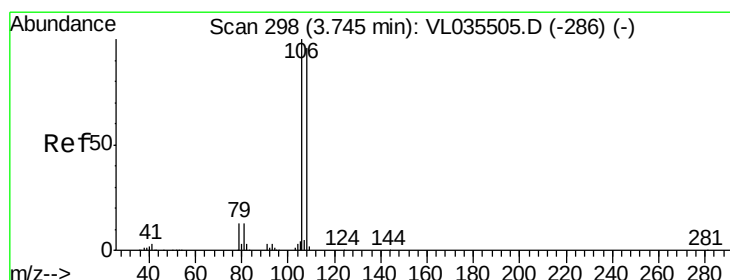
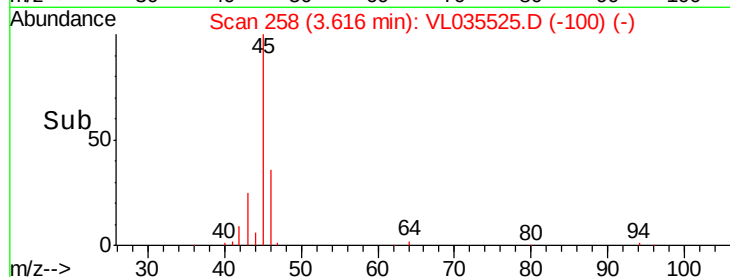
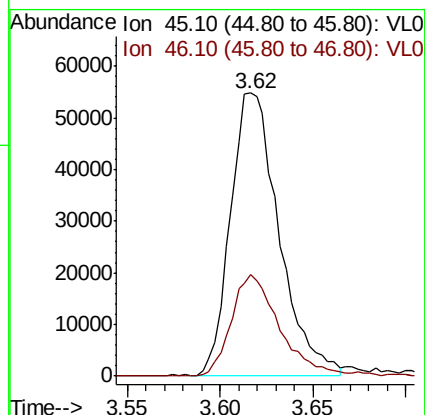
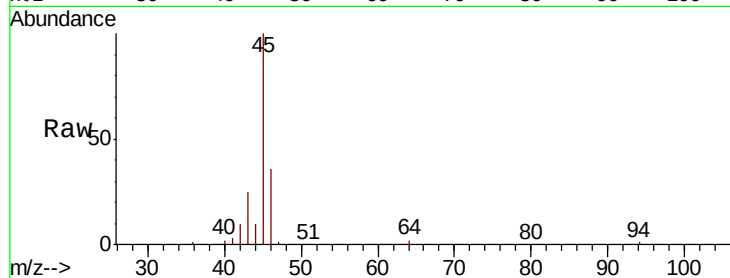
VSTDCCC010EC

Tot Ion: 45 Resp: 100046

Ion Ratio Lower Upper

45 100

46 36.2 15.2 60.6



#14

Bromoethene

Concen: 9.993 ppbv

RT: 3.75 min Scan# 300

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

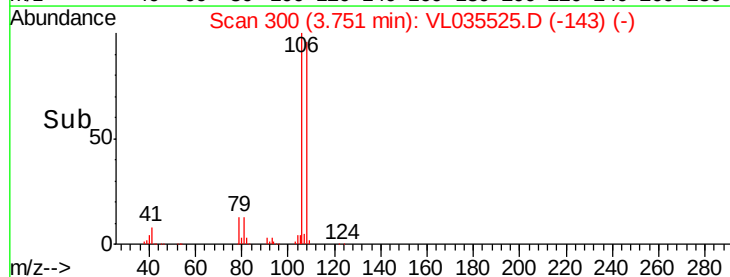
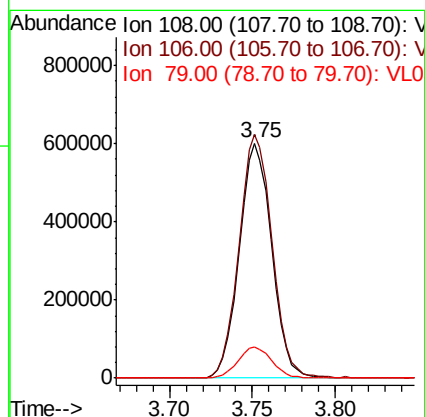
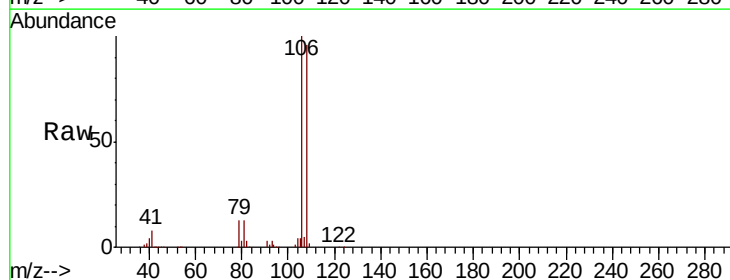
Tgt Ion: 108 Resp: 818452

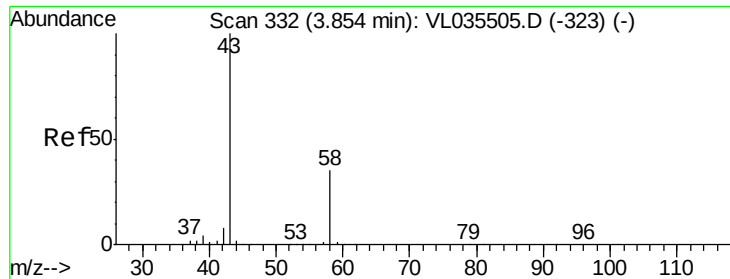
Ion Ratio Lower Upper

108 100

106 105.9 84.9 127.3

79 14.0 10.8 16.2





#15

Acetone

Concen: 8.146 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

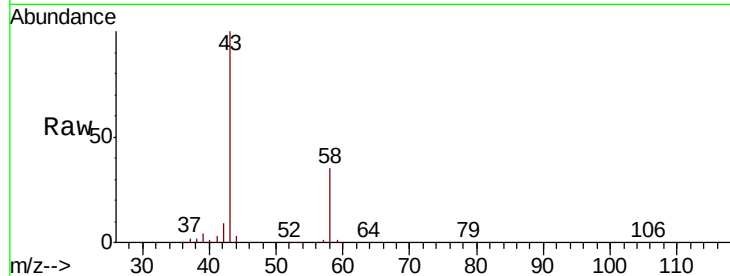
VSTDCCC010EC

Tot Ion: 43 Resp: 896218

Ion Ratio Lower Upper

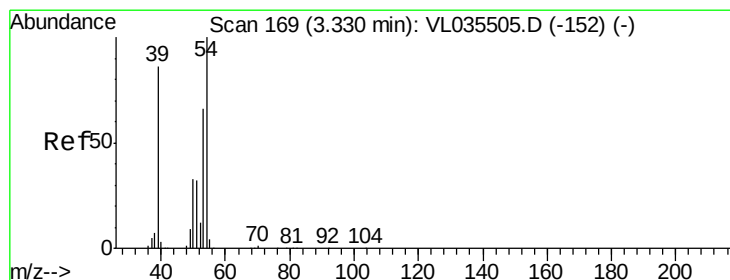
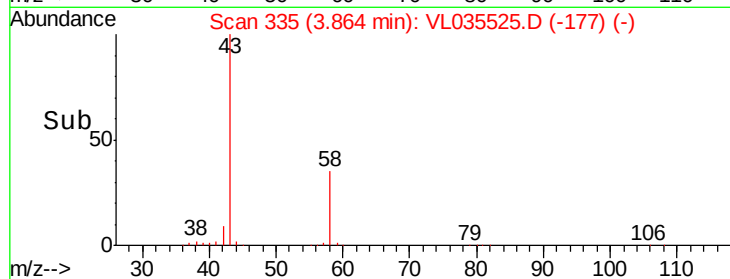
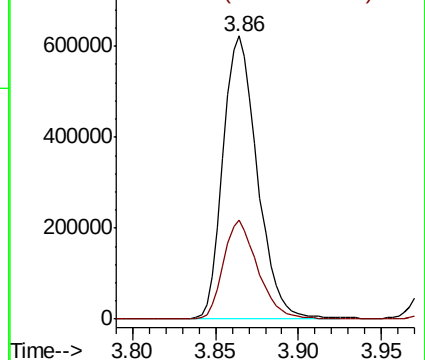
43 100

58 34.9 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.158 ppbv

RT: 3.34 min Scan# 171

Delta R.T. 0.01 min

Lab File: VL035525.D

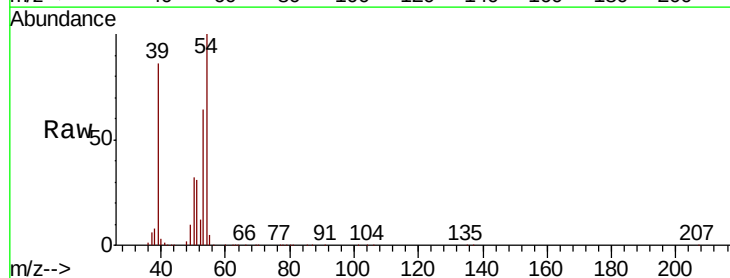
Acq: 27 Aug 2020 19:01

Tgt Ion: 39 Resp: 416042

Ion Ratio Lower Upper

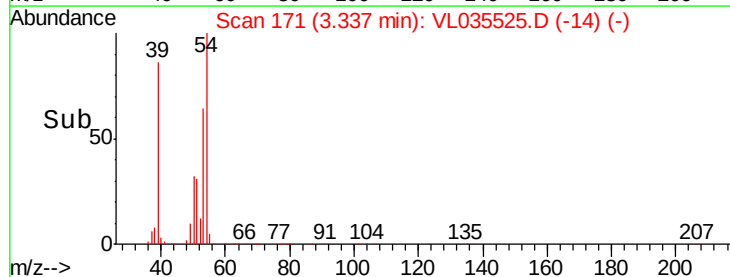
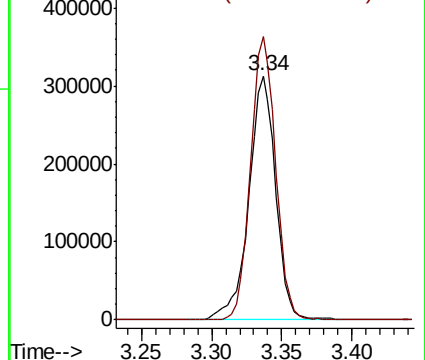
39 100

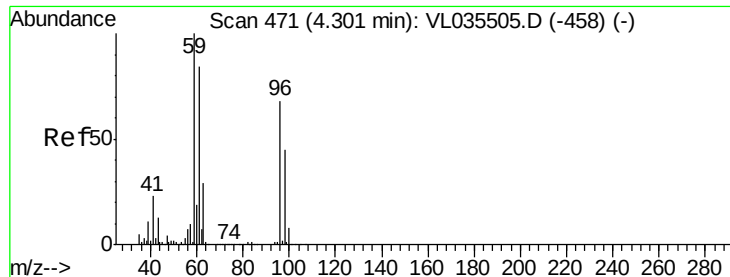
54 109.3 88.4 132.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





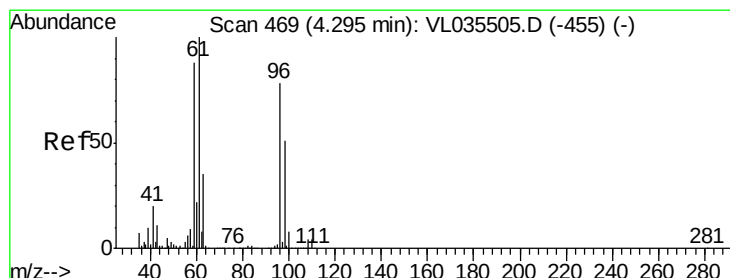
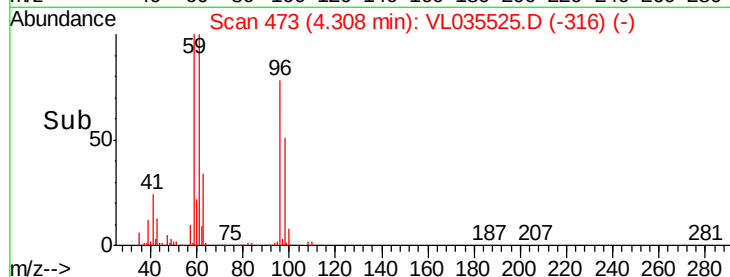
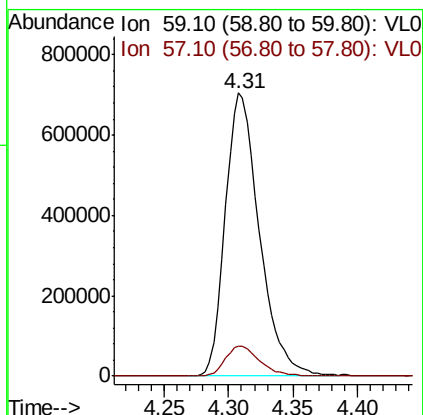
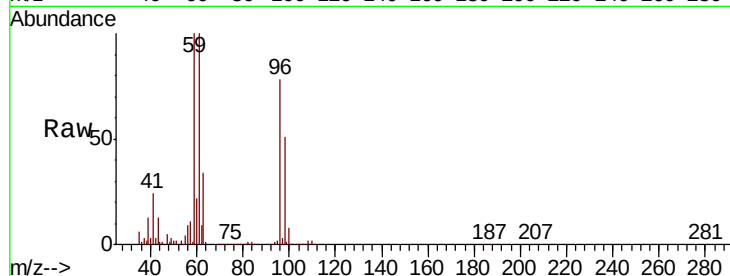
#17

tert-Butyl alcohol
Concen: 9.665 ppbv
RT: 4.31 min Scan# 473
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1294293

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.4	12.6

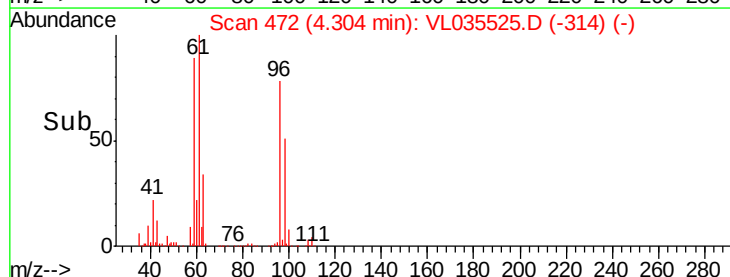
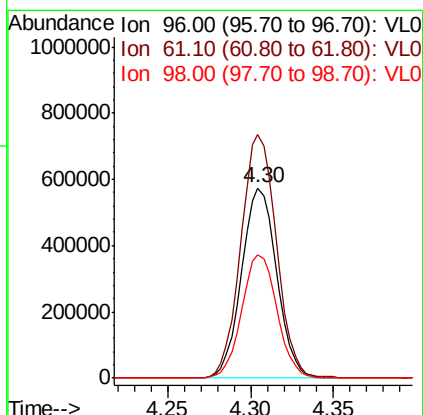
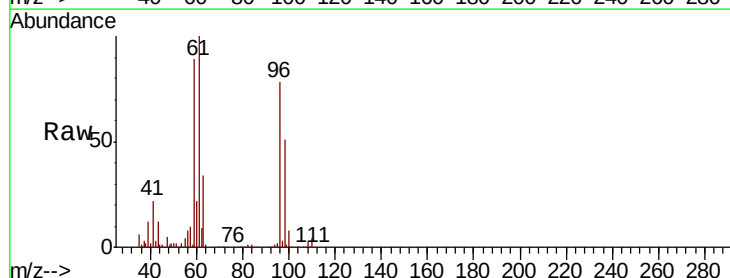


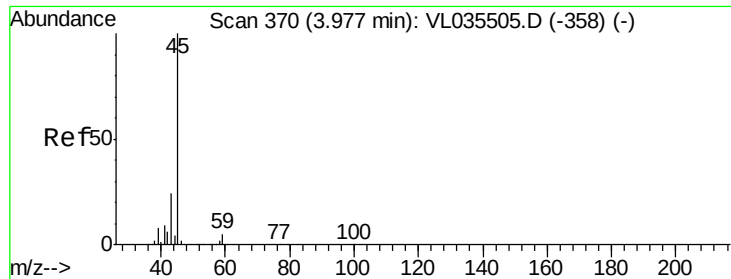
#18

1,1-Dichloroethene
Concen: 10.091 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 96 Resp: 845560

Ion	Ratio	Lower	Upper
96	100		
61	128.0	103.0	154.6
98	64.9	52.8	79.2



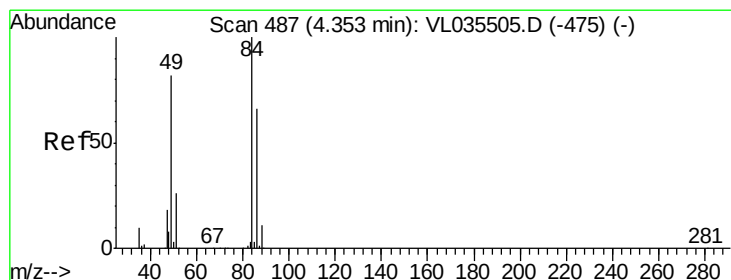
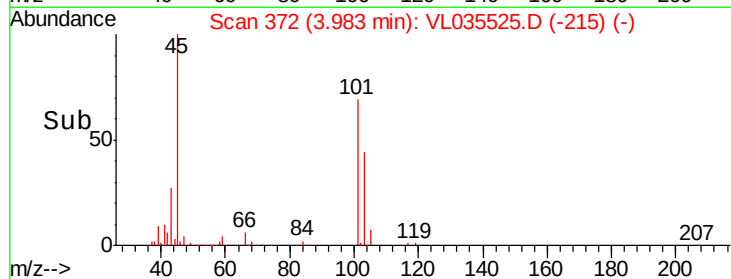
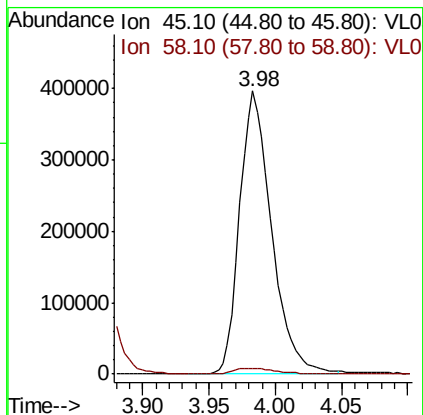
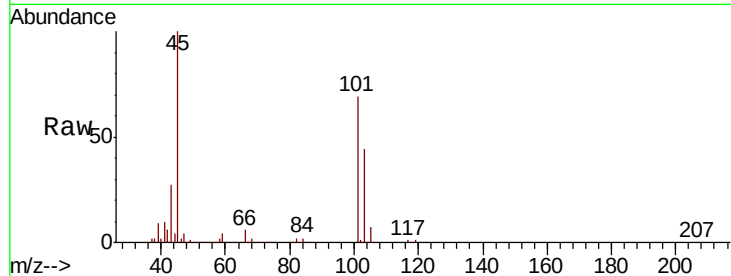


#19

Isopropyl Alcohol
 Concen: 10.128 ppbv
 RT: 3.98 min Scan# 372
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

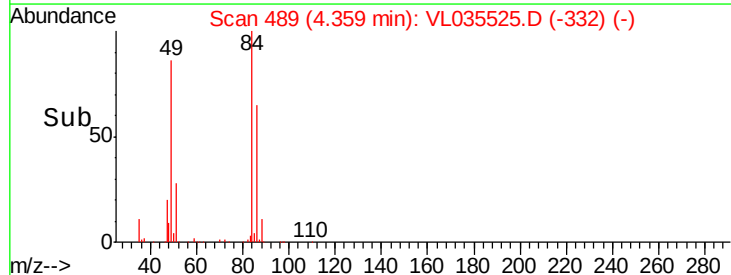
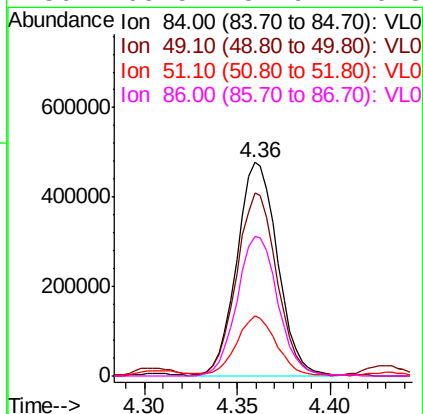
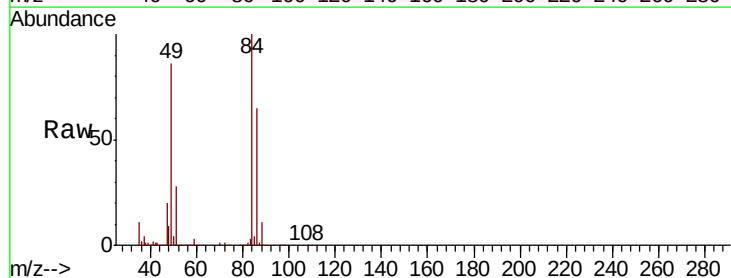
Tot Ion: 45 Resp: 664746
 Ion Ratio Lower Upper
 45 100
 58 3.2 2.0 3.0#

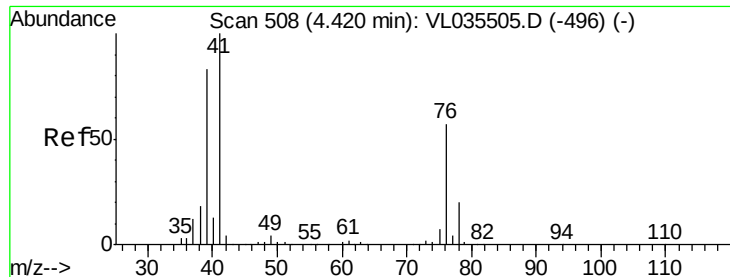


#20

Methylene Chloride
 Concen: 8.867 ppbv
 RT: 4.36 min Scan# 489
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion: 84 Resp: 726587
 Ion Ratio Lower Upper
 84 100
 49 84.9 65.4 98.0
 51 27.7 21.5 32.3
 86 65.5 52.9 79.3





#21

Allvl Chloride

Concen: 10.295 ppbv

RT: 4.43 min Scan# 511

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

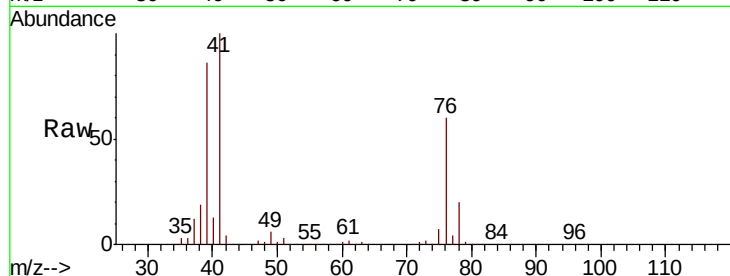
Tot Ion: 41 Resp: 530677

Ion Ratio Lower Upper

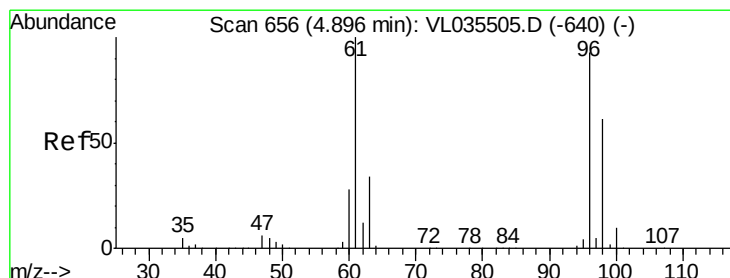
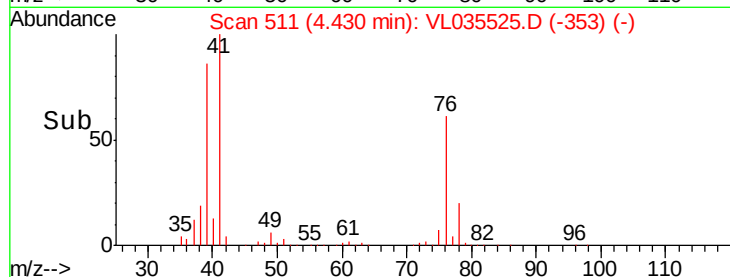
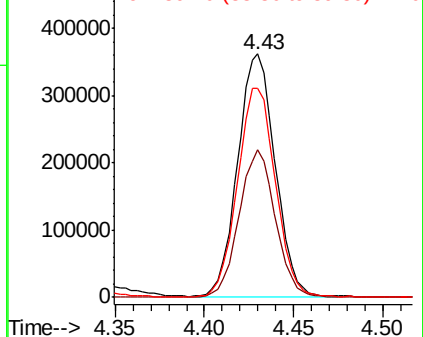
41 100

76 58.9 46.2 69.2

39 87.7 67.8 101.6



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: 10.024 ppbv

RT: 4.91 min Scan# 659

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

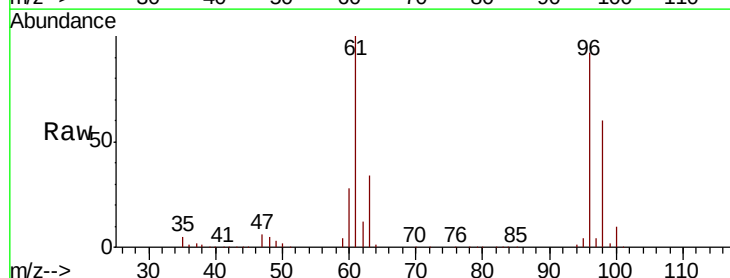
Tgt Ion: 96 Resp: 894158

Ion Ratio Lower Upper

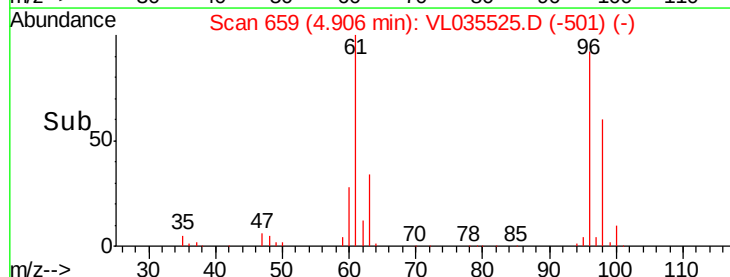
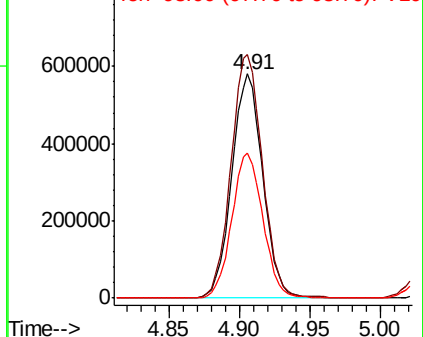
96 100

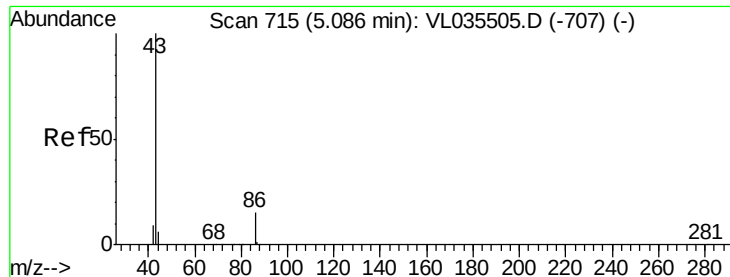
61 108.7 86.0 129.0

98 64.8 52.3 78.5



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: 10.058 ppbv

RT: 5.10 min Scan# 718

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1420247

Ion	Ratio	Lower	Upper
43	100		
86	13.3	10.6	16.0
42	10.0	7.5	11.3
44	6.3	4.4	6.6

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

1000000

500000

0

5.05

5.10

5.15

Time-->

Tgt Ion: 63 Resp: 1434900

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.4	10.1
100	4.2	2.1	6.5

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

1000000

800000

600000

400000

200000

0

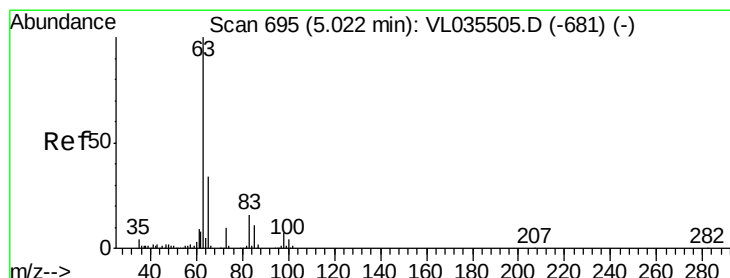
4.95

5.00

5.05

5.10

Time-->



#24

1,1-Dichloroethane

Concen: 9.874 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Tgt Ion: 63 Resp: 1434900

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.4	10.1
100	4.2	2.1	6.5

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

1000000

800000

600000

400000

200000

0

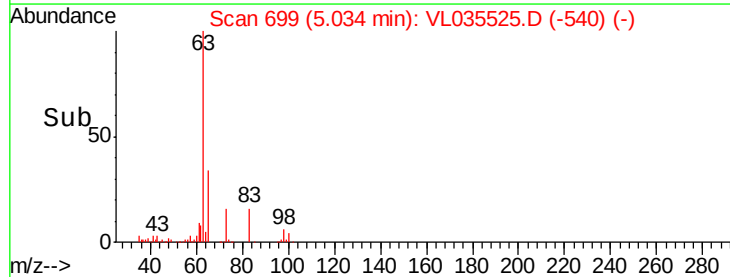
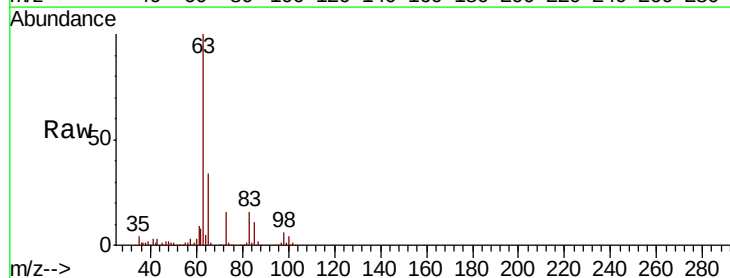
4.95

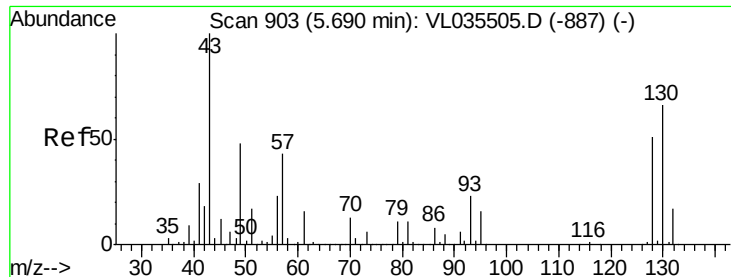
5.00

5.05

5.10

Time-->

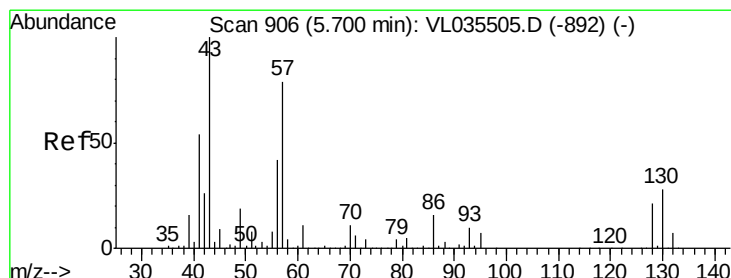
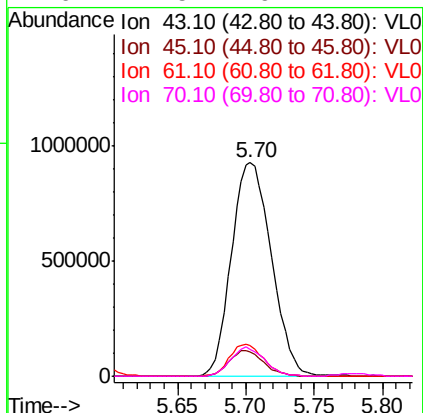
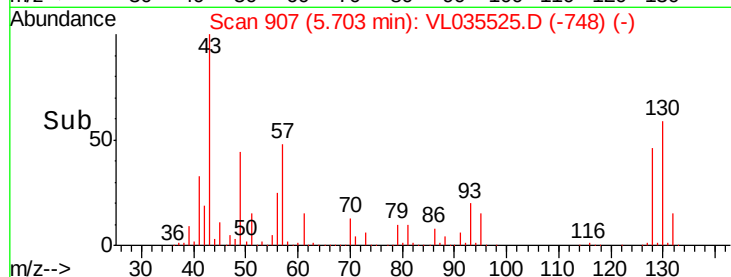
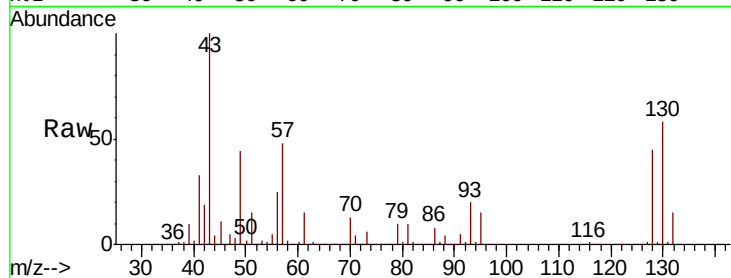




#25
Ethyl Acetate
Concen: 9.692 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

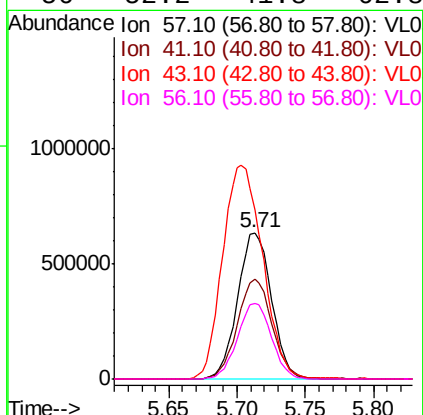
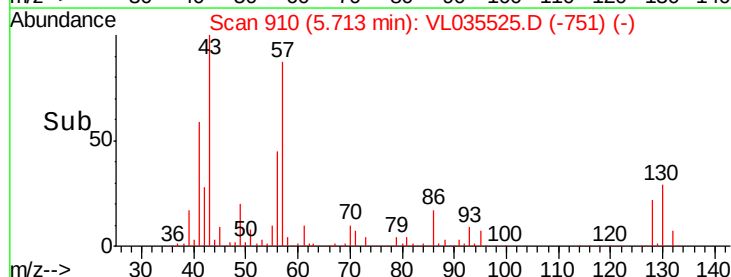
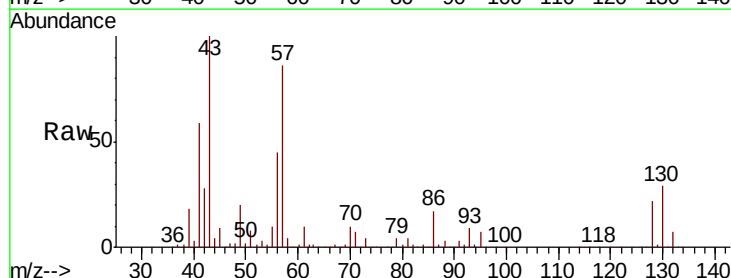
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

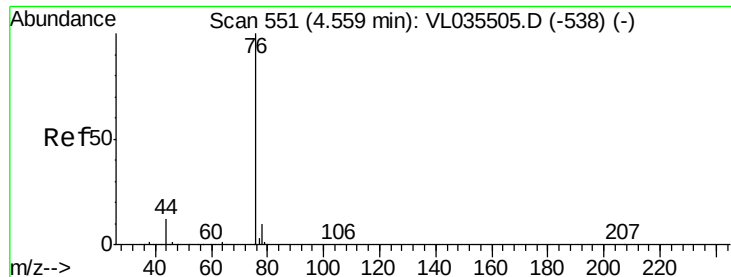
Tot Ion: 43 Resp: 1883869
Ion Ratio Lower Upper
43 100
45 10.5 8.4 12.6
61 13.0 10.6 16.0
70 11.5 9.4 14.2



#26
Hexane
Concen: 9.919 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 57 Resp: 1092324
Ion Ratio Lower Upper
57 100
41 71.2 55.9 83.9
43 173.1 141.8 212.8
56 52.2 41.8 62.8





#27

Carbon Disulfide

Concen: 11.290 ppbv

RT: 4.57 min Scan# 554

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

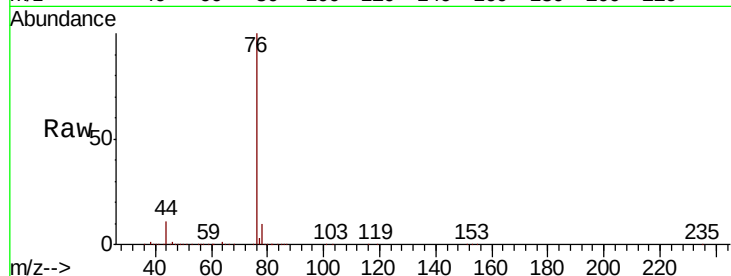
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1784177

Ion	Ratio	Lower	Upper
76	100		
44	11.5	9.3	13.9
78	9.6	7.8	11.6

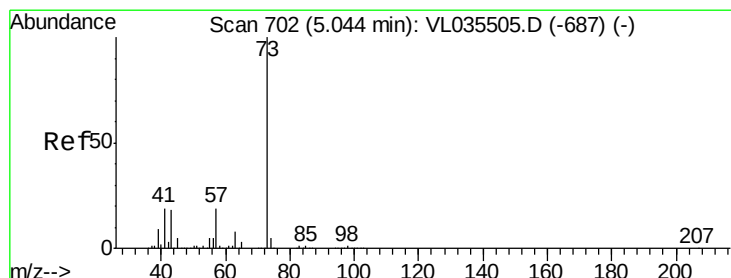
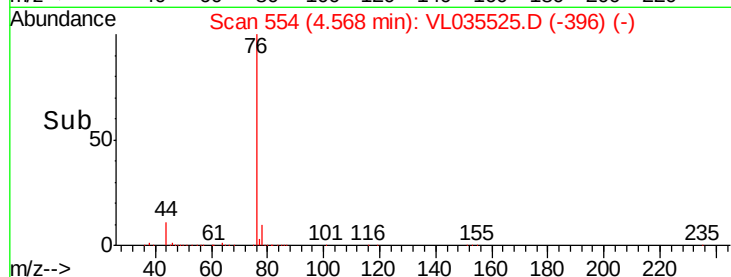
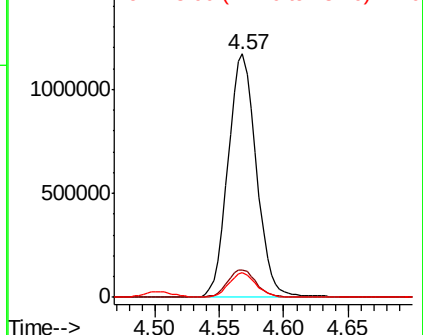


Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.818 ppbv

RT: 5.06 min Scan# 706

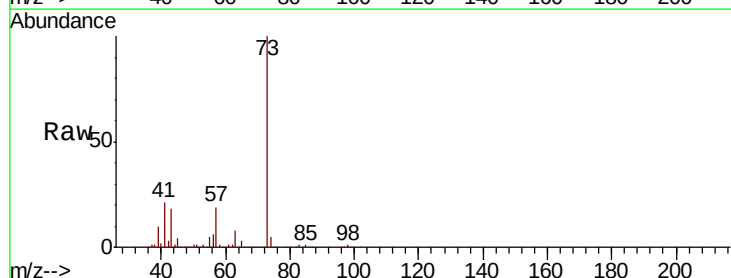
Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Tgt Ion: 73 Resp: 1884481

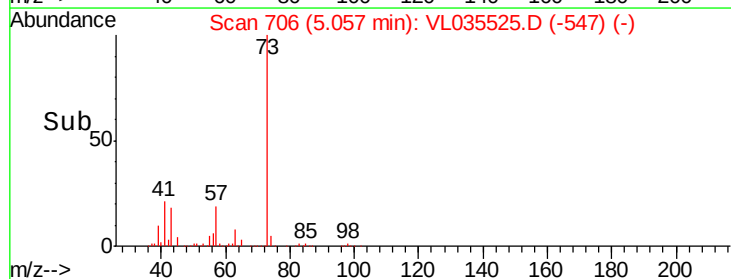
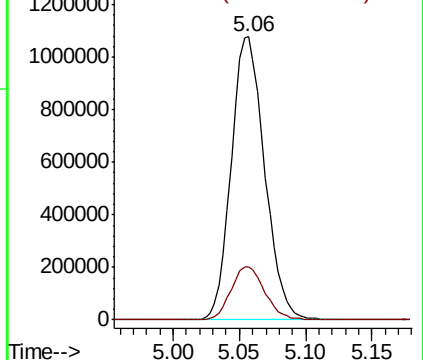
Ion	Ratio	Lower	Upper
73	100		
57	19.0	15.2	22.8

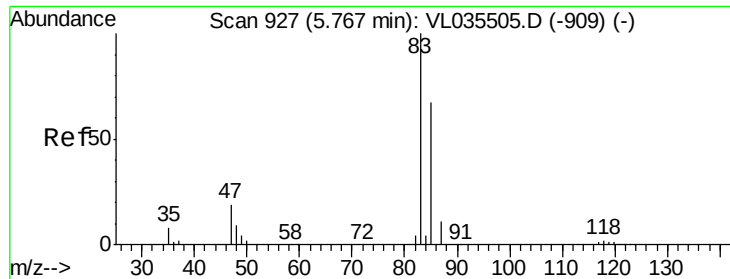


Abundance

Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

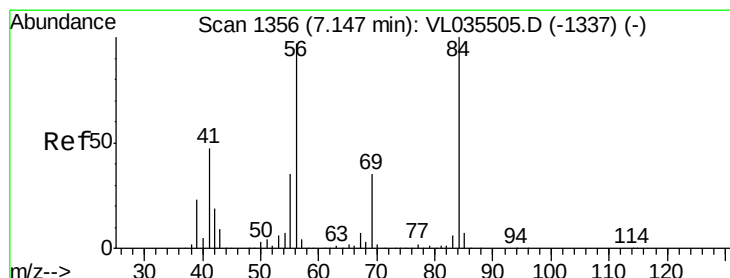
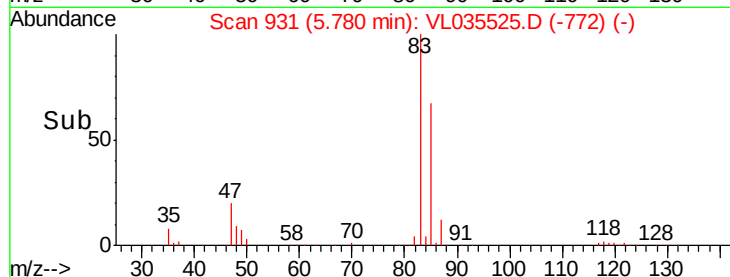
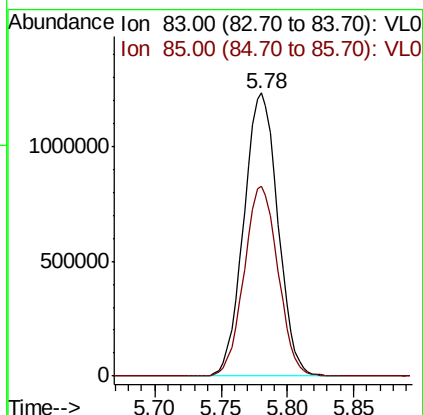
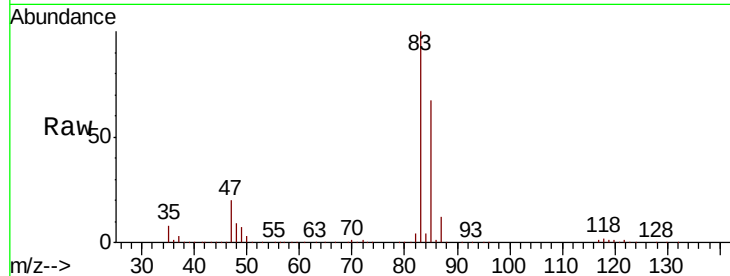




#29
Chloroform
Concen: 9.833 ppbv
RT: 5.78 min Scan# 931
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

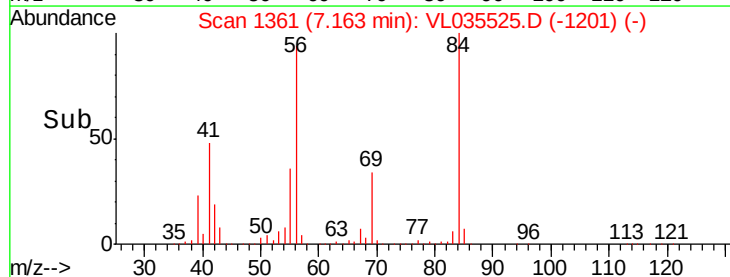
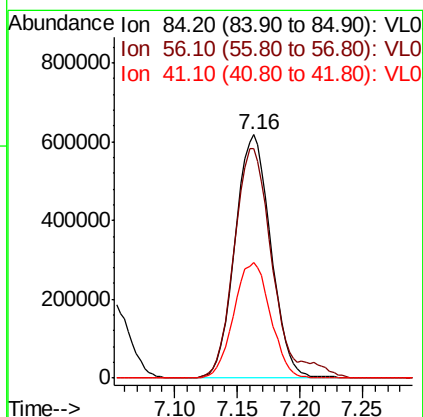
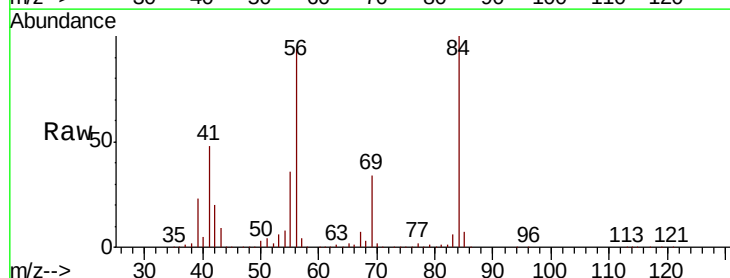
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

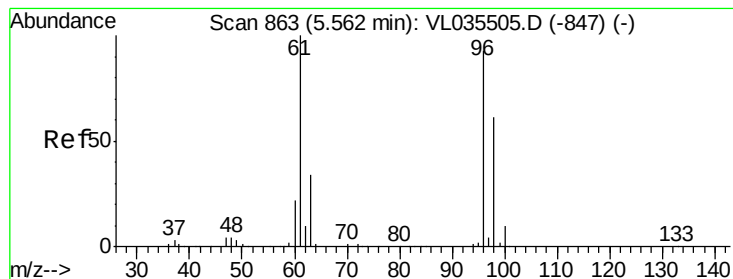
Tot Ion: 83 Resp: 2206289
Ion Ratio Lower Upper
83 100
85 66.9 53.9 80.9



#30
Cyclohexane
Concen: 10.378 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 84 Resp: 1224390
Ion Ratio Lower Upper
84 100
56 101.5 80.1 120.1
41 48.7 38.1 57.1



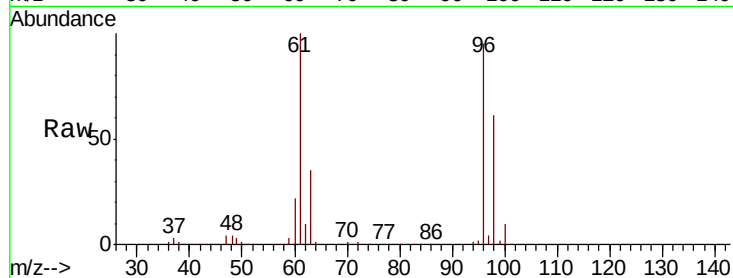


#31

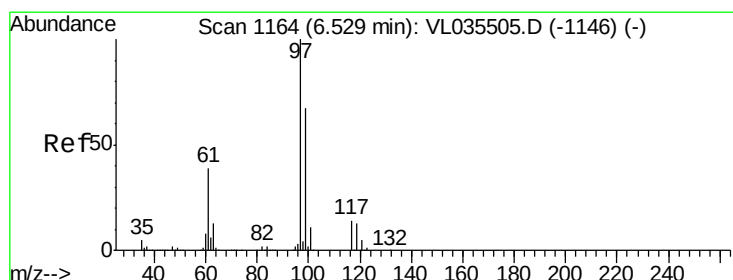
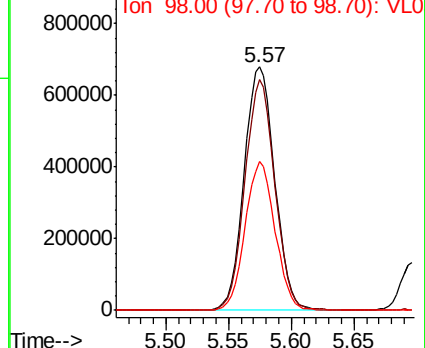
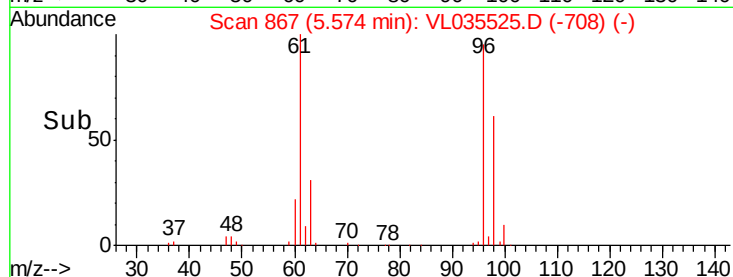
cis-1,2-Dichloroethene
 Concen: 10.216 ppbv
 RT: 5.57 min Scan# 867
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 61 Resp: 1154306
 Ion Ratio Lower Upper
 61 100
 96 94.5 74.4 111.6
 98 61.1 49.2 73.8



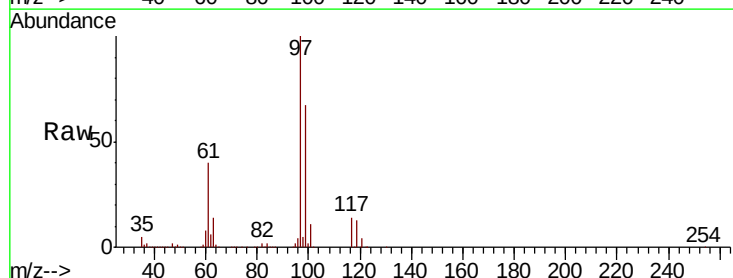
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



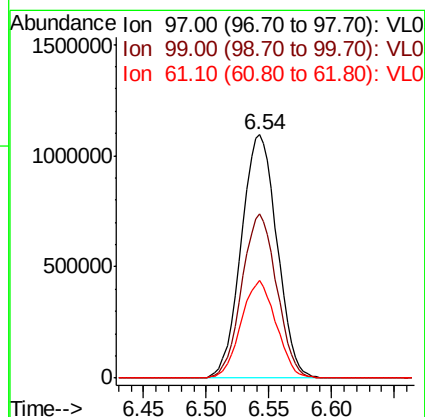
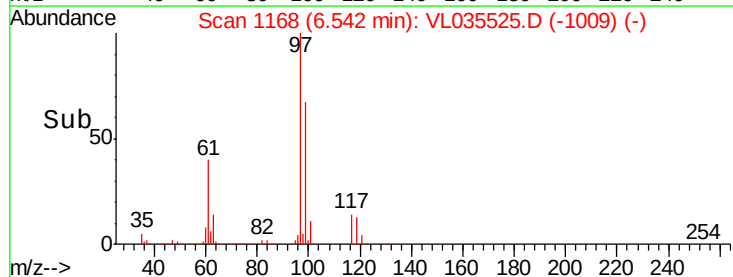
#32

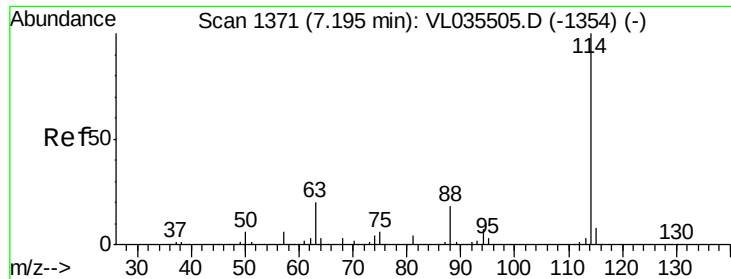
1,1,1-Trichloroethane
 Concen: 9.977 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion: 97 Resp: 2171741
 Ion Ratio Lower Upper
 97 100
 99 66.0 53.3 79.9
 61 39.4 30.6 46.0



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

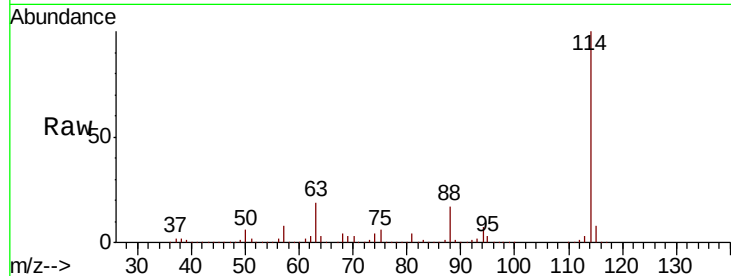




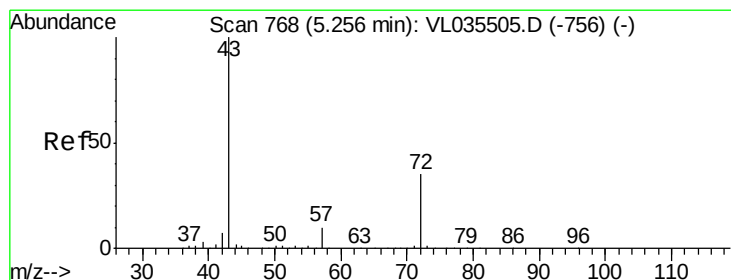
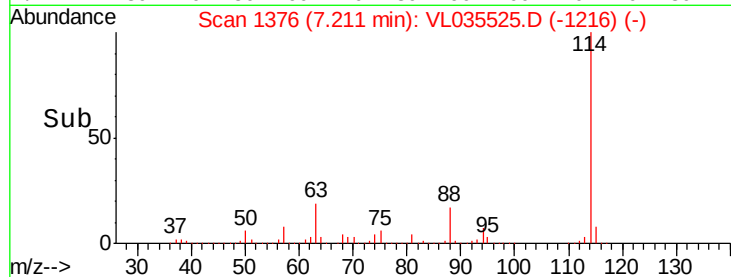
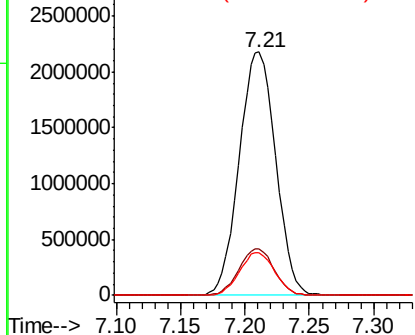
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4292875
 Ion Ratio Lower Upper
 114 100
 63 18.7 14.7 22.1
 88 16.9 13.4 20.2

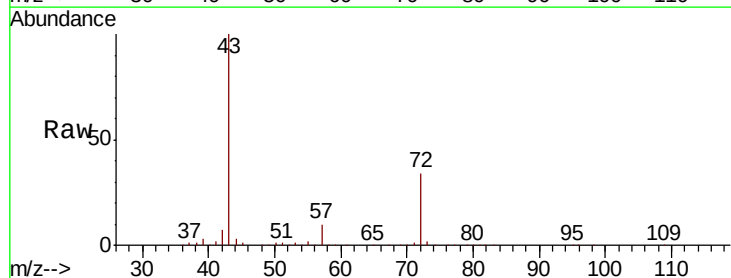


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

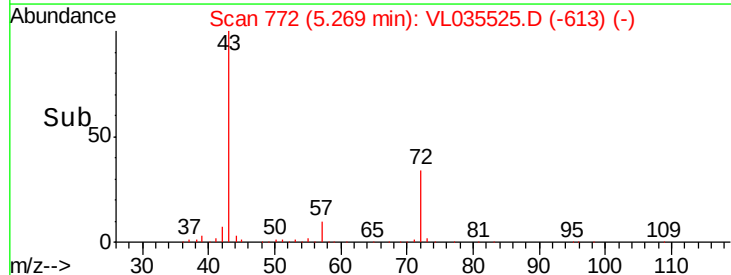
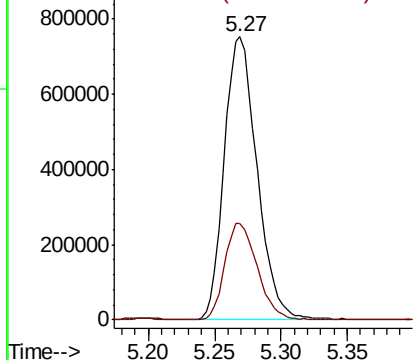


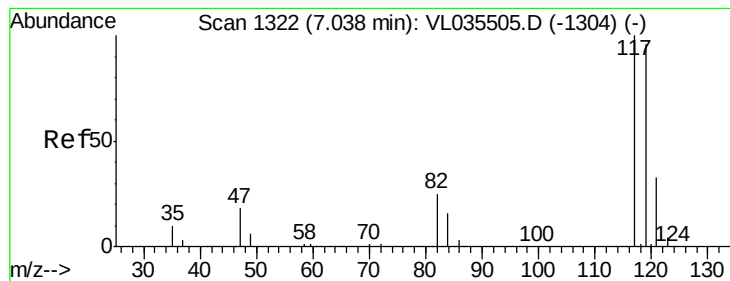
#34
 2-Butanone
 Concen: 10.139 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion: 43 Resp: 1291746
 Ion Ratio Lower Upper
 43 100
 72 34.2 27.7 41.5



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





#35

Carbon Tetrachloride

Concen: 10.785 ppbv

RT: 7.05 min Scan# 1326

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

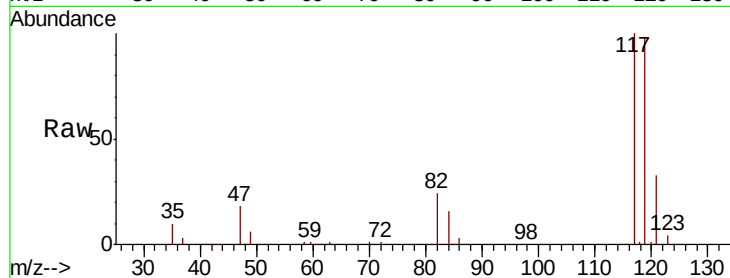
Tot Ion:117 Resp: 2326862

Ion Ratio Lower Upper

117 100

119 98.0 77.2 115.8

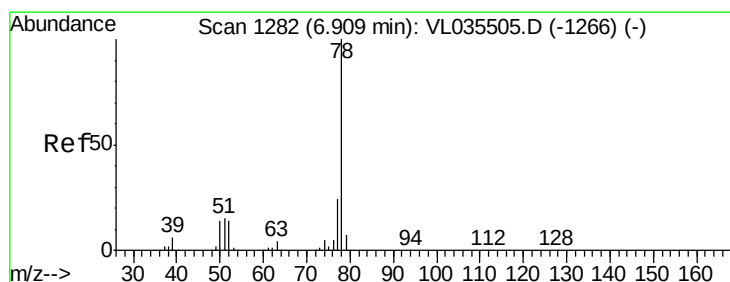
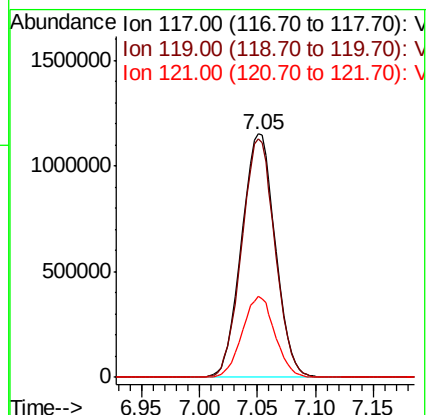
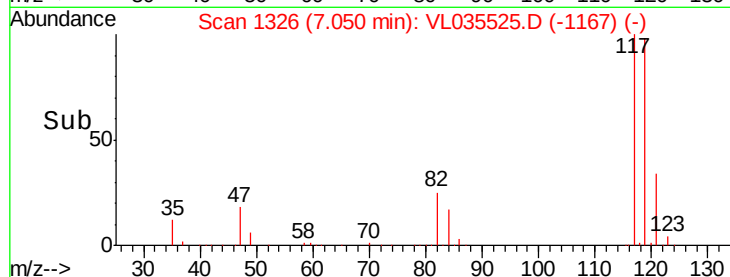
121 33.4 26.1 39.1



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: 10.104 ppbv

RT: 6.92 min Scan# 1287

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

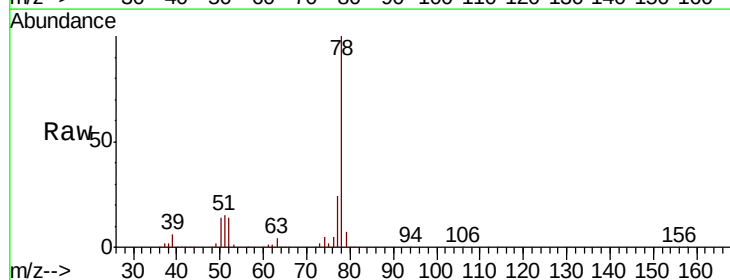
Tgt Ion: 78 Resp: 2807759

Ion Ratio Lower Upper

78 100

77 23.7 19.3 28.9

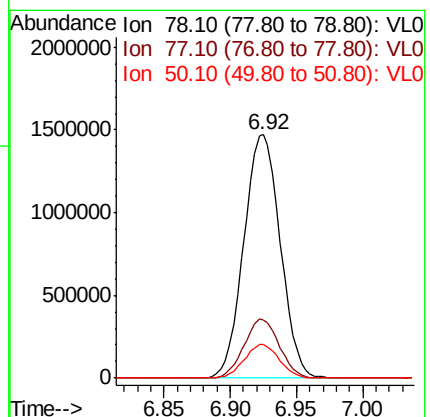
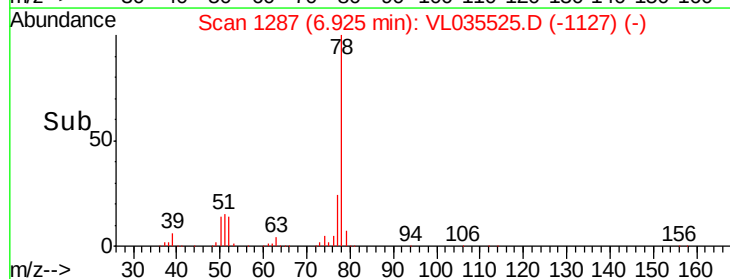
50 13.7 11.0 16.6

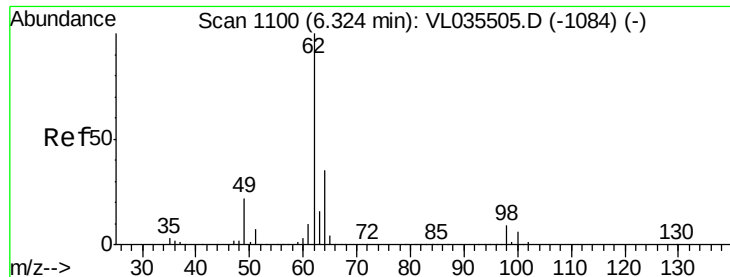


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

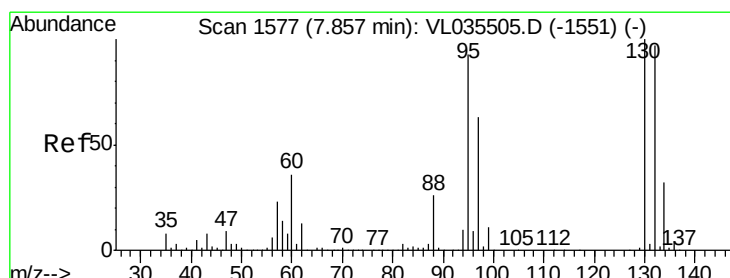
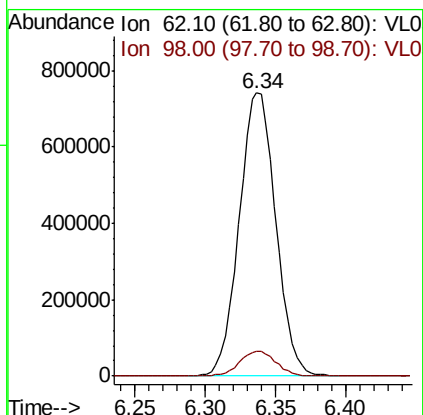
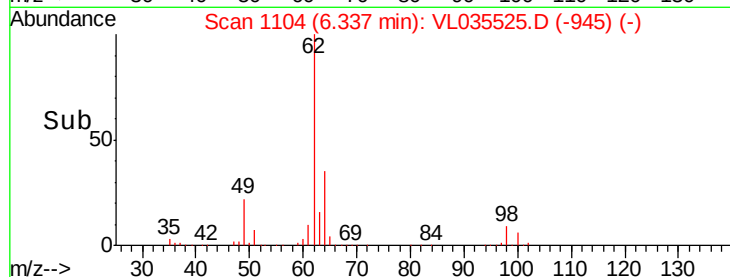
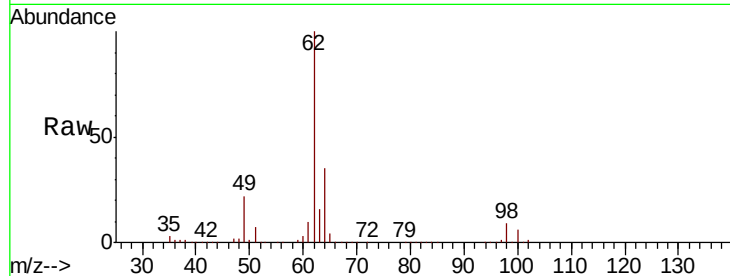




#37
 1,2-Dichloroethane
 Concen: 10.190 ppbv
 RT: 6.34 min Scan# 1104
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

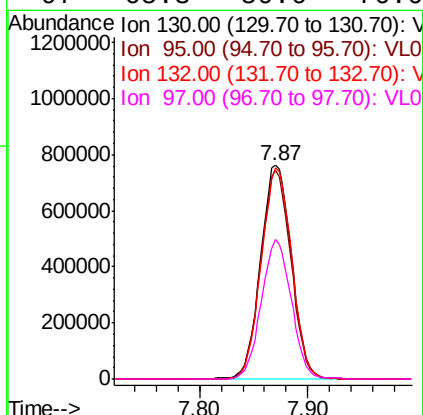
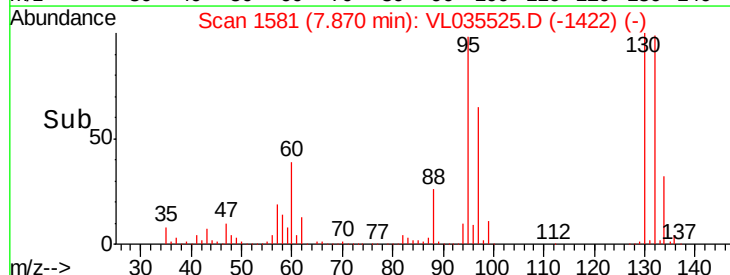
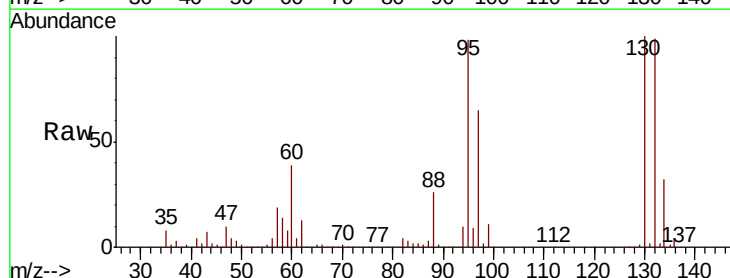
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

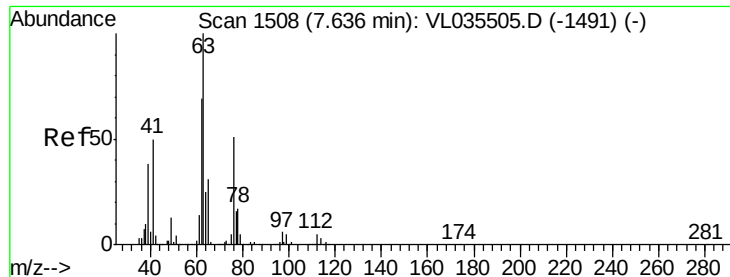
Tot Ion: 62 Resp: 1350020
 Ion Ratio Lower Upper
 62 100
 98 8.8 7.4 11.0



#38
 Trichloroethene
 Concen: 9.386 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.01 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion:130 Resp: 1514984
 Ion Ratio Lower Upper
 130 100
 95 97.5 74.6 112.0
 132 99.1 77.6 116.4
 97 65.3 50.6 76.0





#39

1,2-Dichloropropane

Concen: 10.080 ppbv

RT: 7.65 min Scan# 1512

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

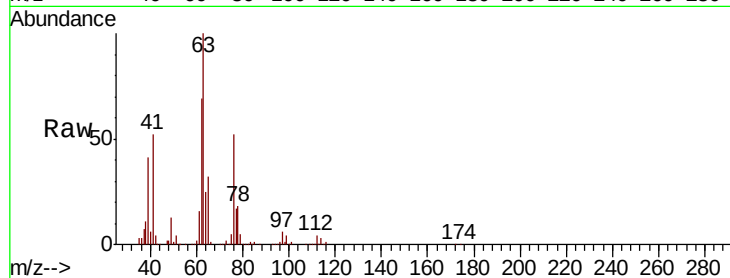
Tot Ion: 63 Resp: 946205

Ion Ratio Lower Upper

63 100

41 52.2 40.0 60.0

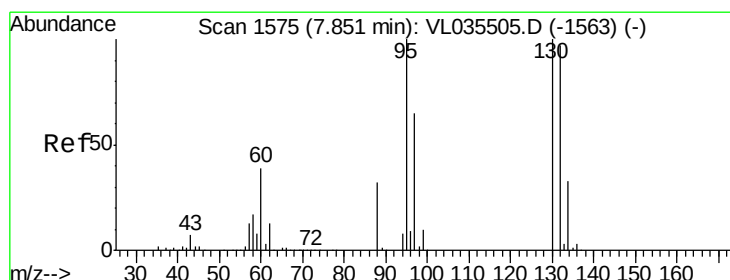
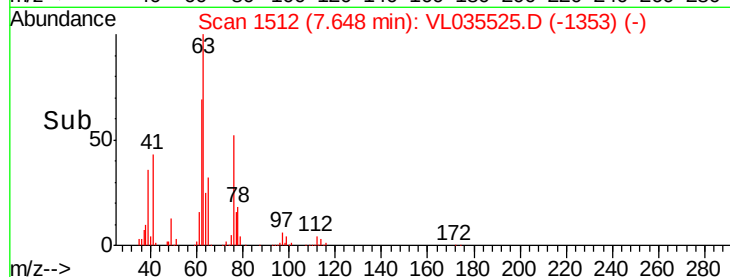
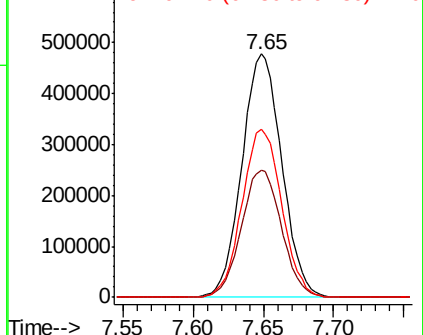
62 69.1 55.4 83.0



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.485 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Tgt Ion: 88 Resp: 491665

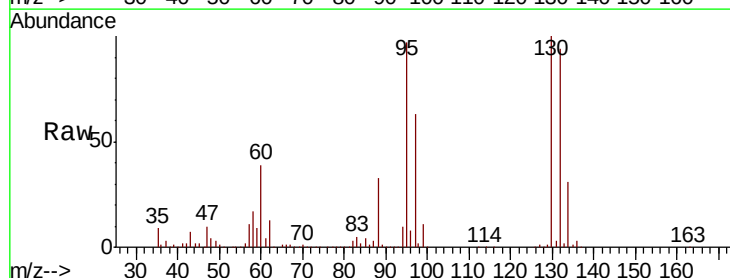
Ion Ratio Lower Upper

88 100

58 89.3 68.7 103.1

43 137.9 104.3 156.5

57 750.2 560.7 841.1

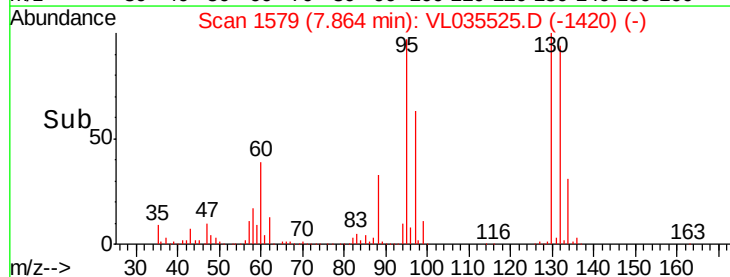
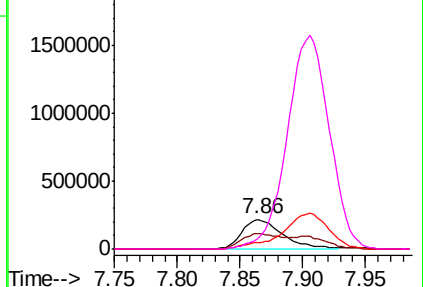


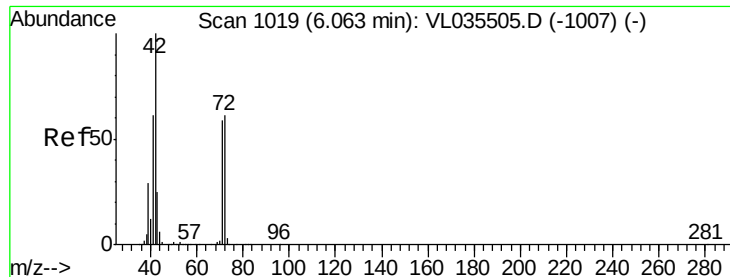
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

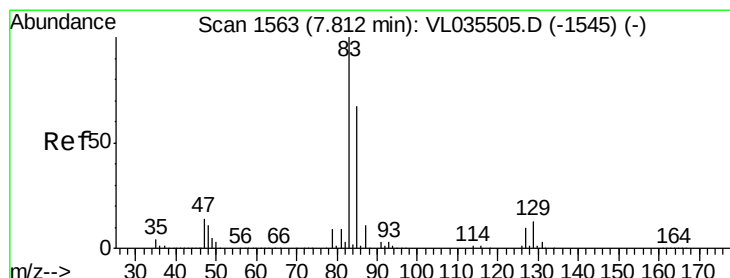
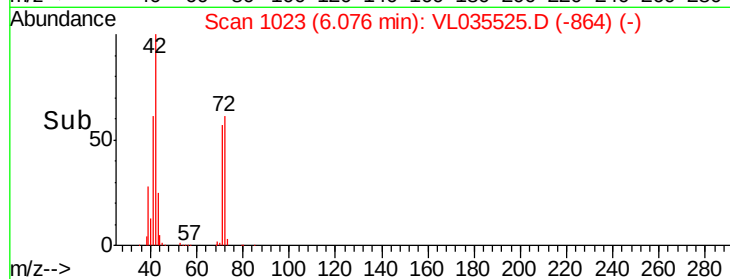
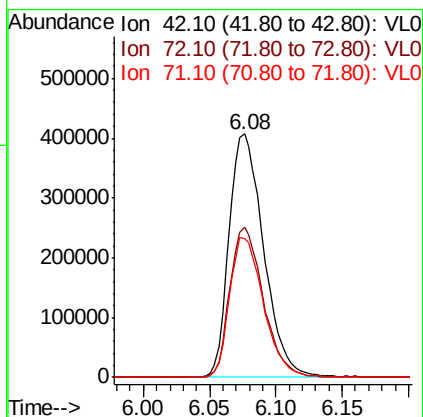
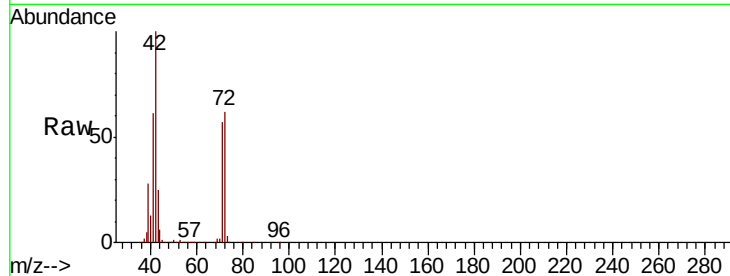




#41
Tetrahydrofuran
Concen: 10.928 ppbv
RT: 6.08 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

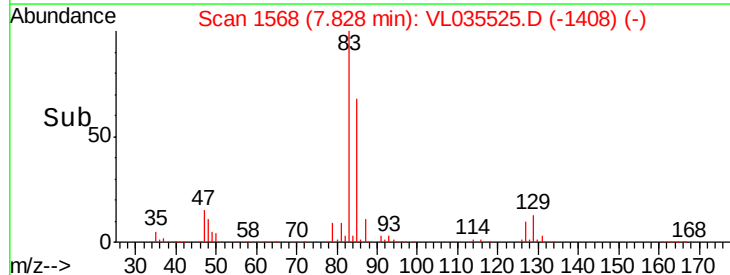
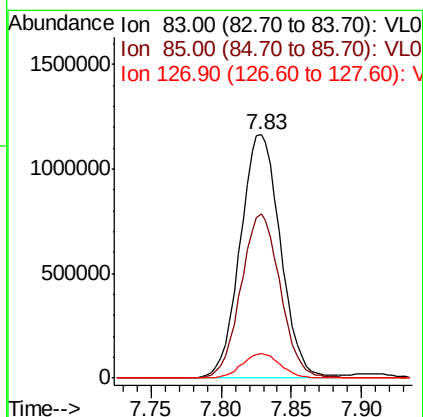
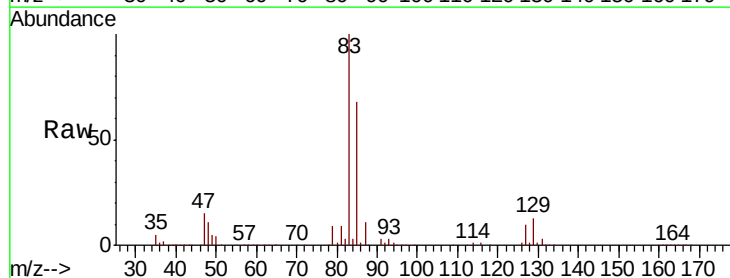
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

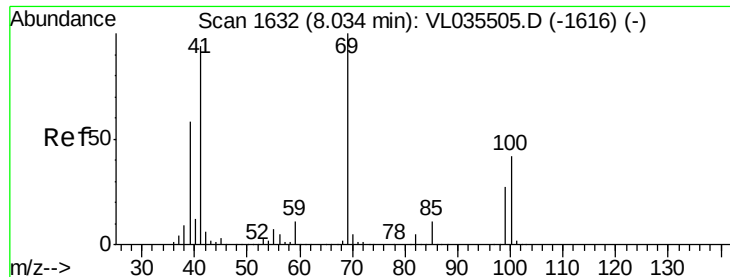
Tot Ion	Ratio	Lower	Upper
42	100		
72	59.9	48.6	73.0
71	56.5	46.1	69.1



#42
Bromodichloromethane
Concen: 10.830 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	53.7	80.5
127	10.2	8.1	12.1





#43

Methyl Methacrylate

Concen: 10.875 ppbv

RT: 8.05 min Scan# 1637

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

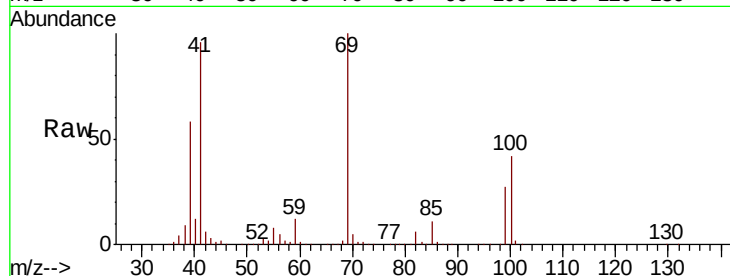
Tot Ion: 69 Resp: 1168548

Ion Ratio Lower Upper

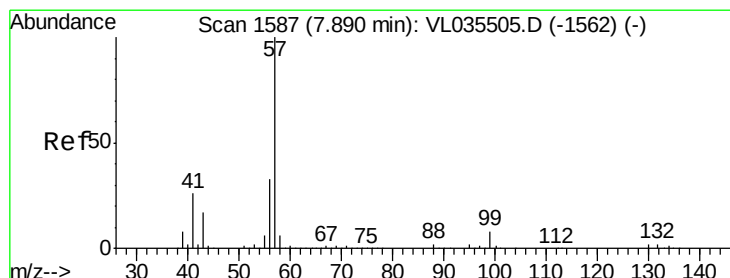
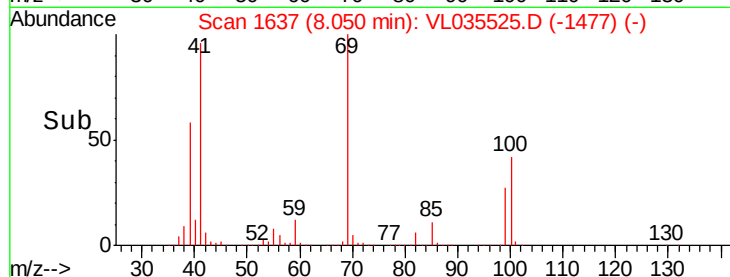
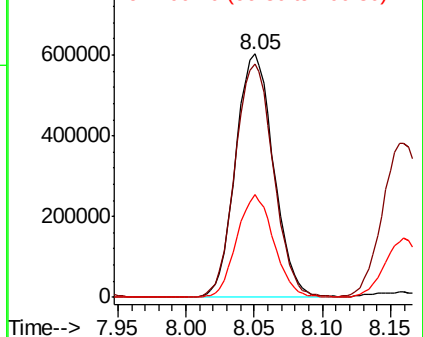
69 100

41 96.7 76.6 114.8

100 41.0 33.8 50.6



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.075 ppbv

RT: 7.91 min Scan# 1592

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

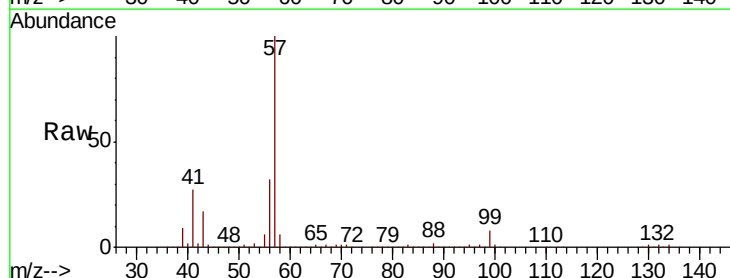
Tgt Ion: 57 Resp: 3683574

Ion Ratio Lower Upper

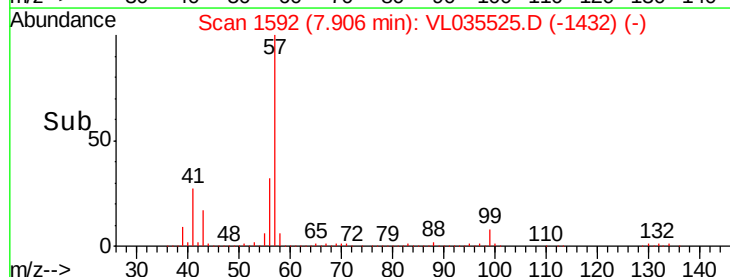
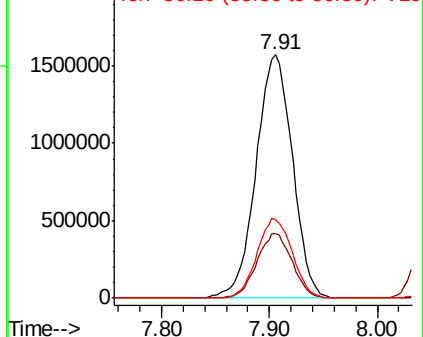
57 100

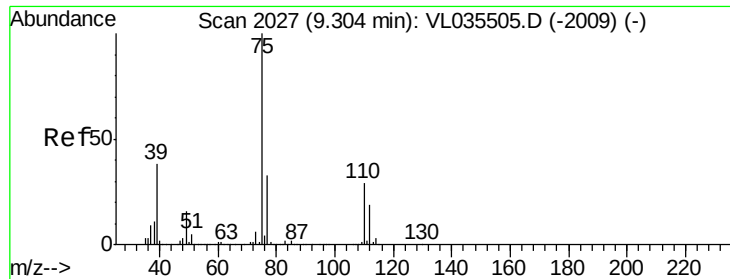
41 25.8 20.5 30.7

56 31.7 25.3 37.9



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

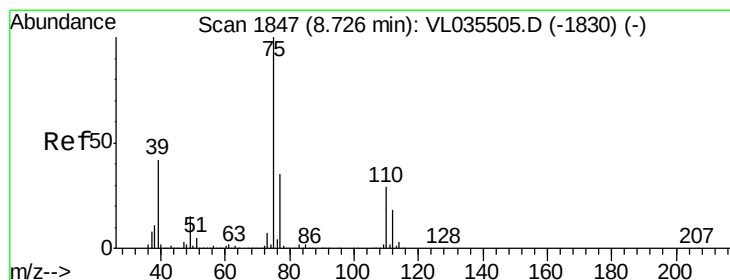
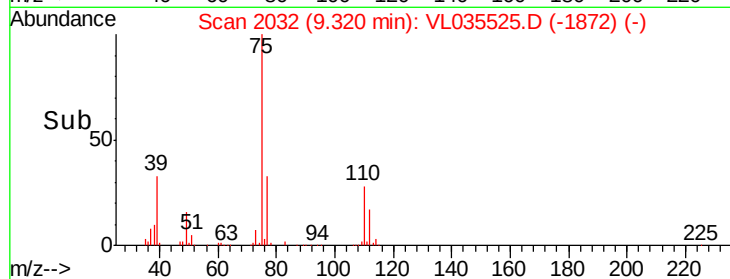
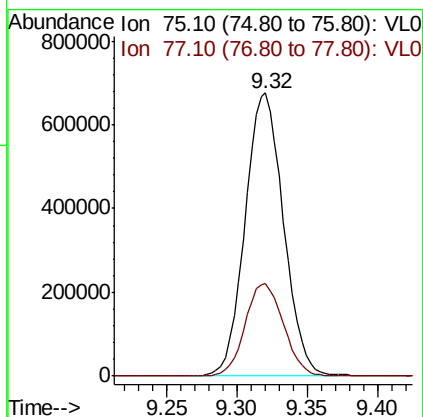
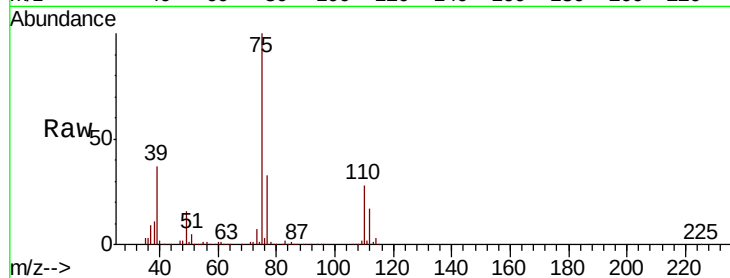




#45
 t-1,3-Dichloropropene
 Concen: 11.830 ppbv
 RT: 9.32 min Scan# 2032
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

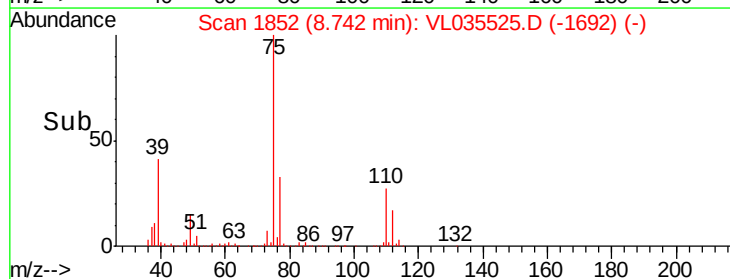
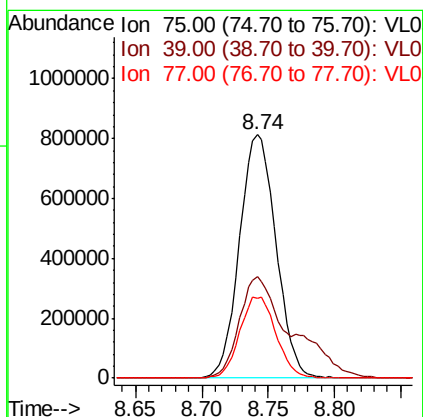
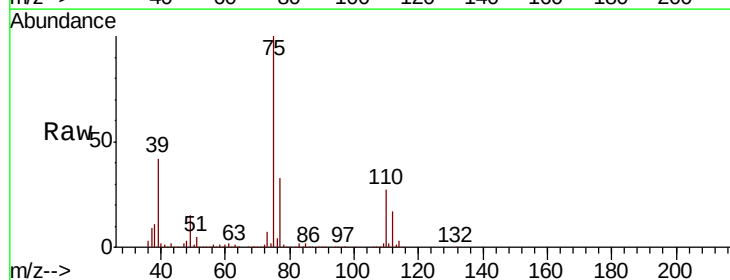
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

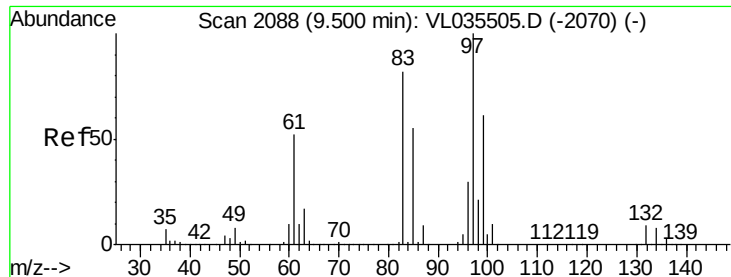
Tot Ion: 75 Resp: 1287702
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.5 39.7



#46
 cis-1,3-Dichloropropene
 Concen: 11.526 ppbv
 RT: 8.74 min Scan# 1852
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion: 75 Resp: 1557786
 Ion Ratio Lower Upper
 75 100
 39 41.5 33.7 50.5
 77 32.6 27.8 41.6

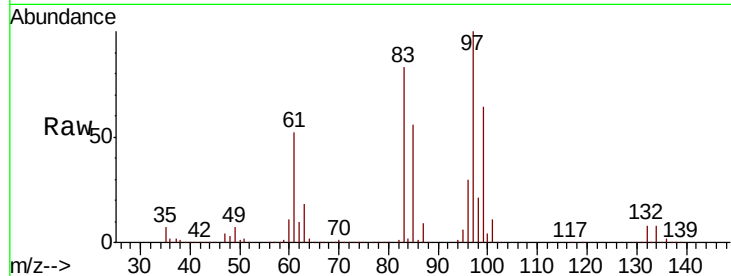




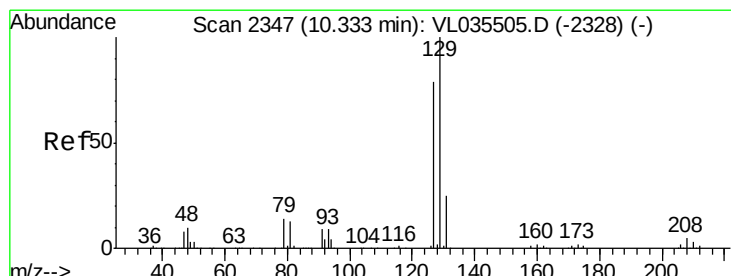
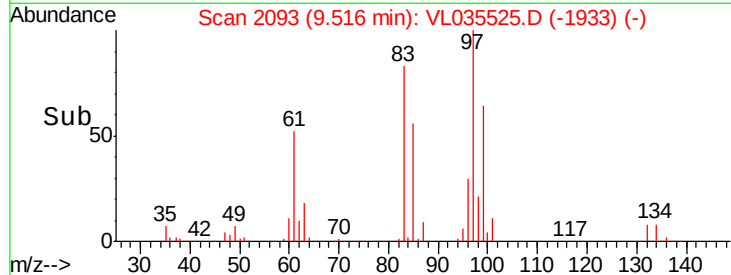
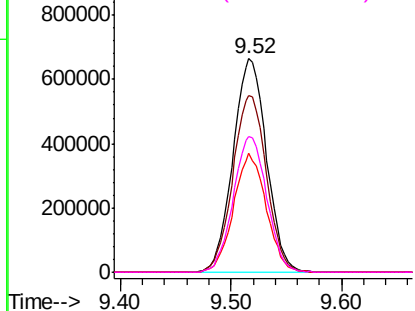
#47
 1,1,2-Trichloroethane
 Concen: 10.085 ppbv
 RT: 9.52 min Scan# 2093
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	97	Resp:	1396983
Ion	Ratio	Lower	Upper
97	100		
83	82.6	65.4	98.2
85	55.8	43.7	65.5
99	63.5	49.1	73.7

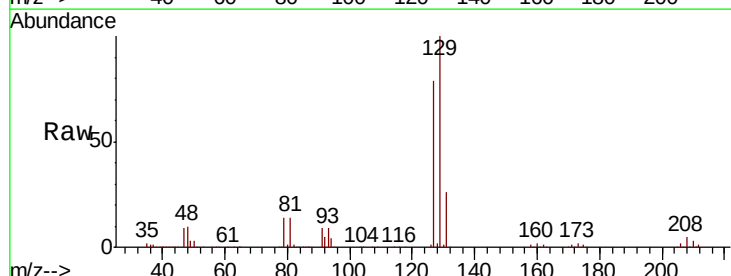


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

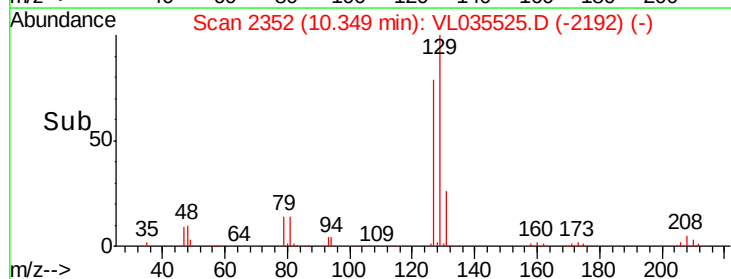
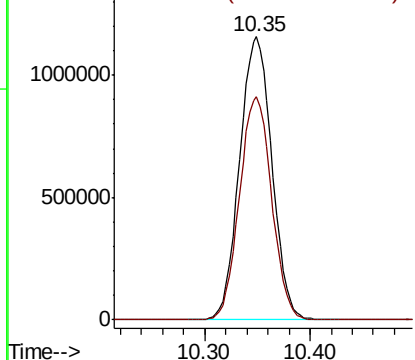


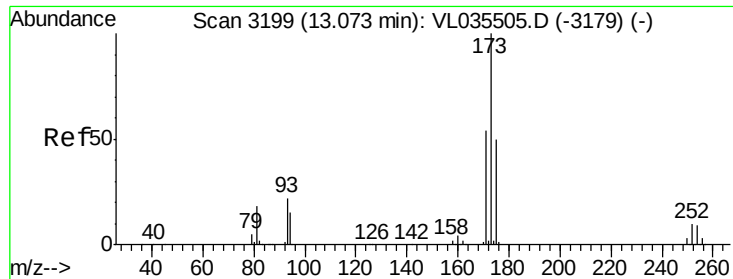
#48
 Dibromochloromethane
 Concen: 11.302 ppbv
 RT: 10.35 min Scan# 2352
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion:	129	Resp:	2463866
Ion	Ratio	Lower	Upper
129	100		
127	78.6	39.3	117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.757 ppbv

RT: 13.09 min Scan# 3205

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

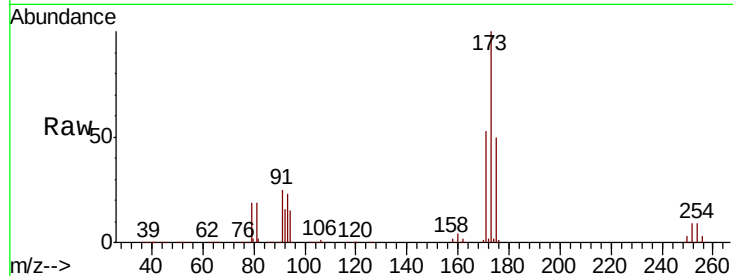
Tot Ion:173 Resp: 2322788

Ion Ratio Lower Upper

173 100

175 49.7 39.8 59.8

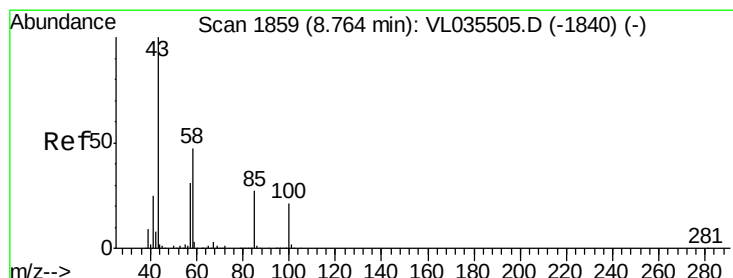
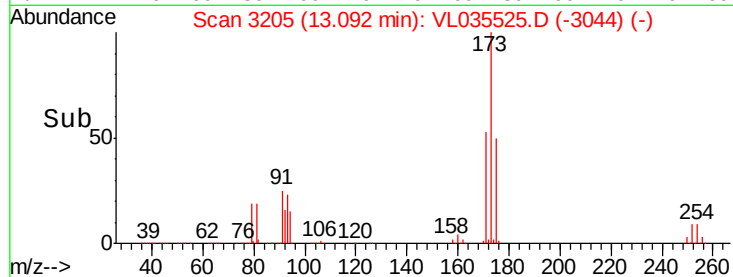
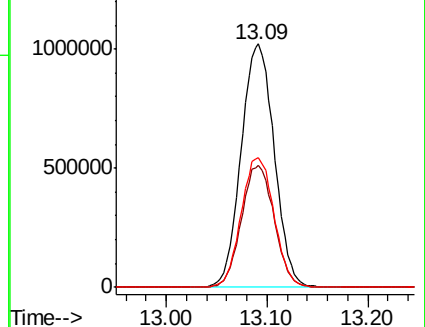
171 53.1 42.4 63.6



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: 10.661 ppbv

RT: 8.78 min Scan# 1864

Delta R.T. 0.02 min

Lab File: VL035525.D

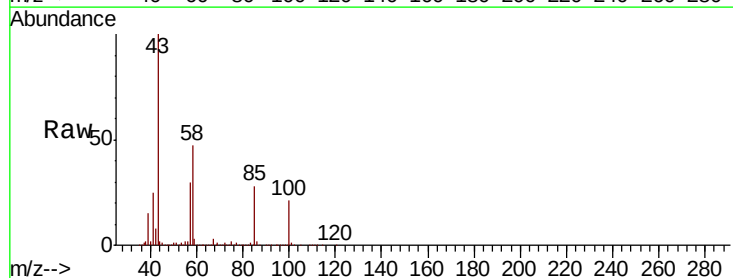
Acq: 27 Aug 2020 19:01

Tgt Ion: 43 Resp: 1966631

Ion Ratio Lower Upper

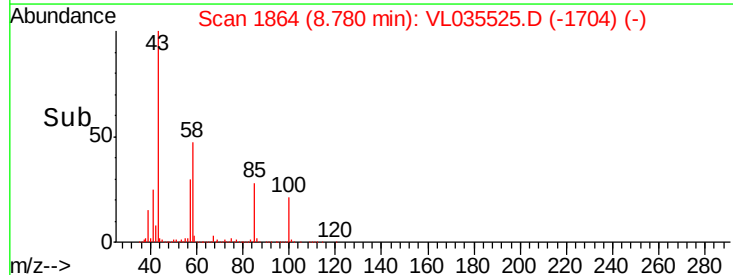
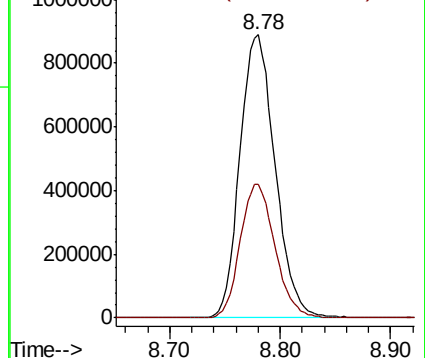
43 100

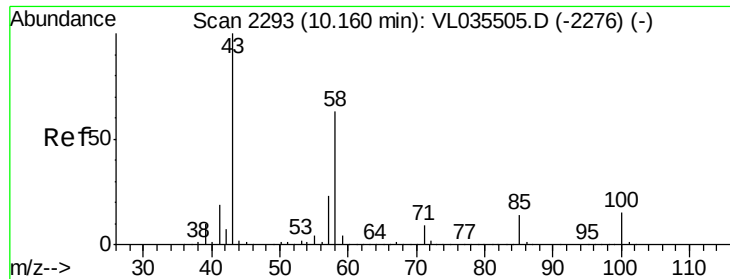
58 46.6 37.4 56.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

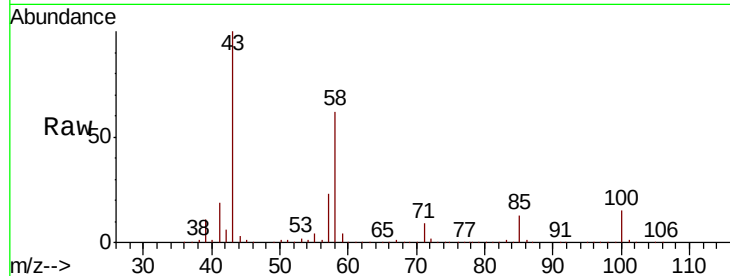




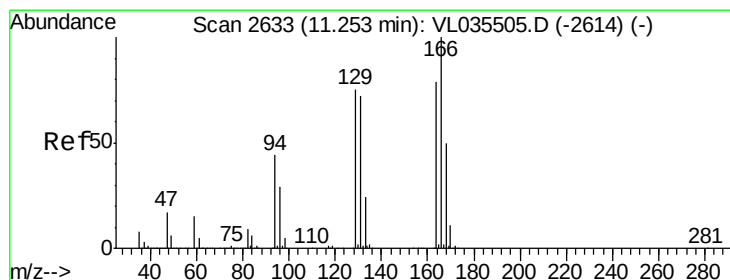
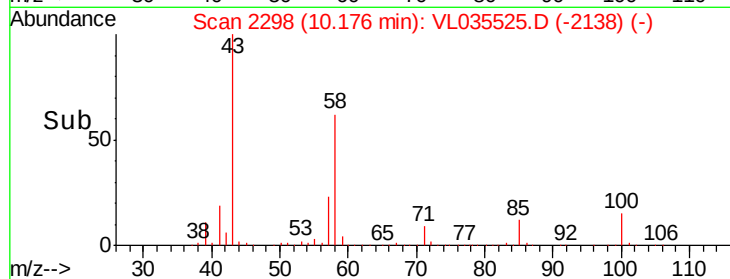
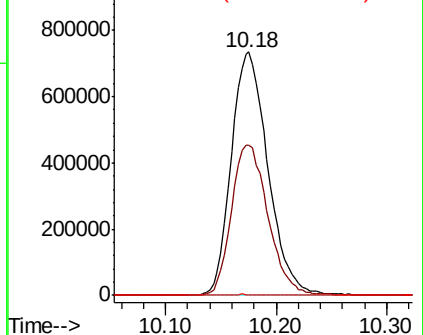
#51
2-Hexanone
Concen: 11.154 ppbv
RT: 10.18 min Scan# 2298
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1687964
Ion Ratio Lower Upper
43 100
58 62.3 50.2 75.4
98 0.6 0.4 0.6#

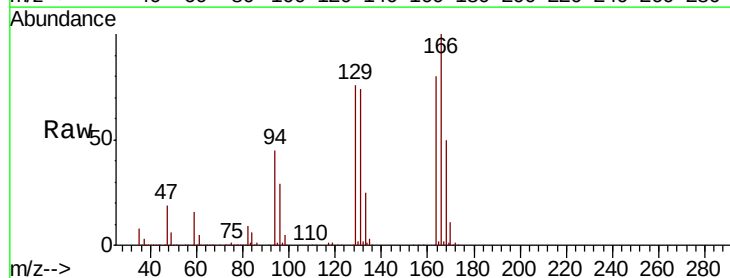


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

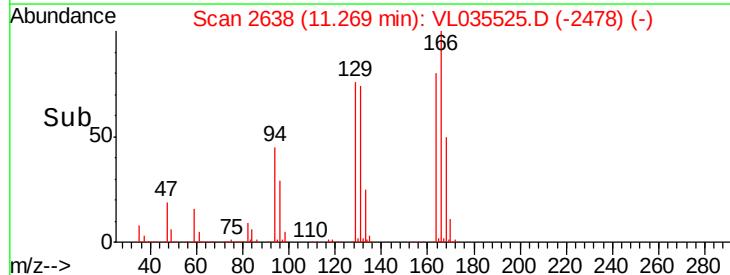
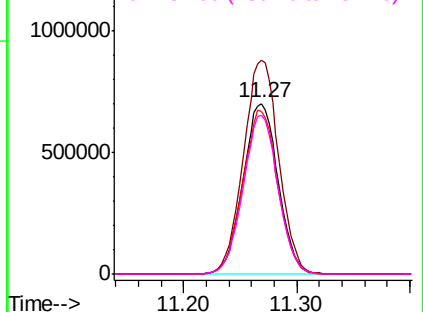


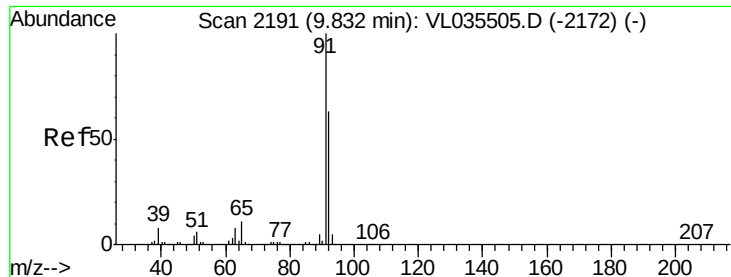
#52
Tetrachloroethene
Concen: 9.331 ppbv
RT: 11.27 min Scan# 2638
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion:164 Resp: 1514835
Ion Ratio Lower Upper
164 100
166 125.3 100.9 151.3
129 95.6 75.3 112.9
131 92.8 73.0 109.4



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





#53

Toluene

Concen: 10.358 ppbv

RT: 9.85 min Scan# 2196

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

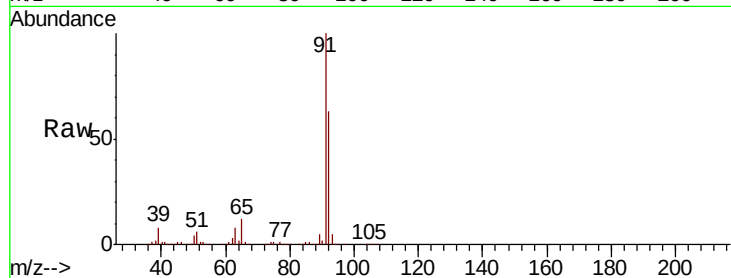
VSTDCCC010EC

Tot Ion: 91 Resp: 3619446

Ion Ratio Lower Upper

91 100

92 62.0 49.8 74.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

2000000 Ion 92.10 (91.80 to 92.80): VL0

1500000

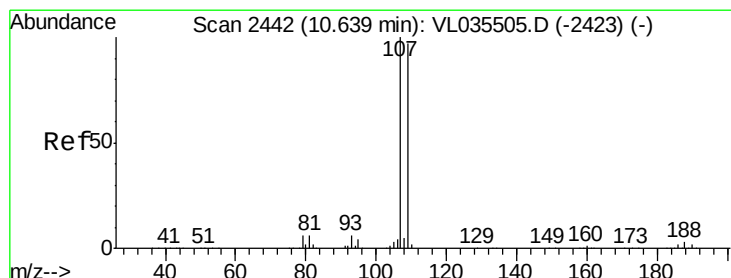
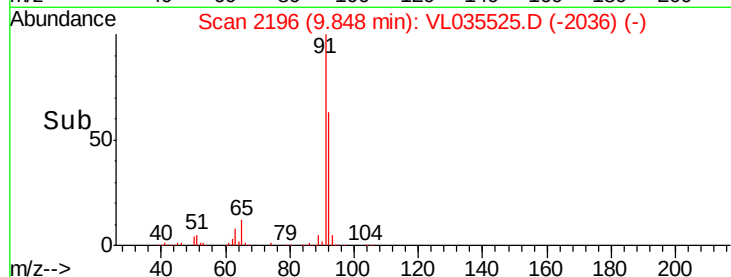
1000000

500000

0

9.75 9.80 9.85 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 10.189 ppbv

RT: 10.65 min Scan# 2447

Delta R.T. 0.02 min

Lab File: VL035525.D

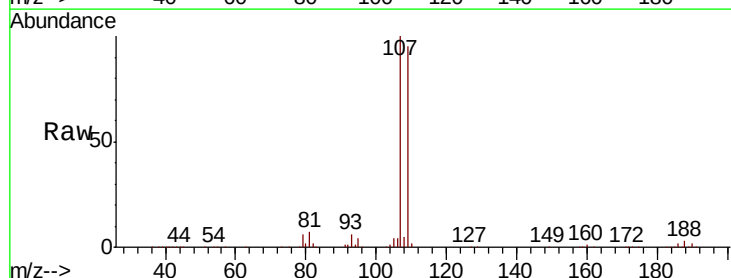
Acq: 27 Aug 2020 19:01

Tgt Ion: 107 Resp: 2230147

Ion Ratio Lower Upper

107 100

109 94.6 77.8 116.8



Abundance Ion 107.00 (106.70 to 107.70): V

1200000 Ion 109.00 (108.70 to 109.70): V

1000000

800000

600000

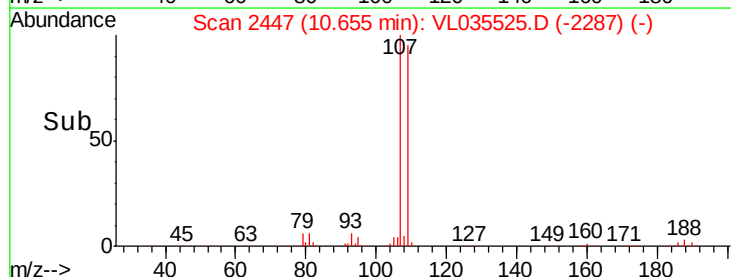
400000

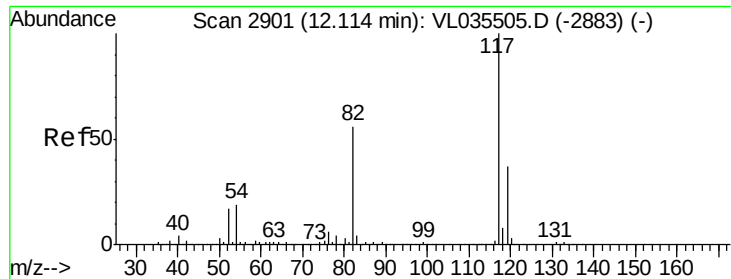
200000

0

10.60 10.65 10.70

Time-->

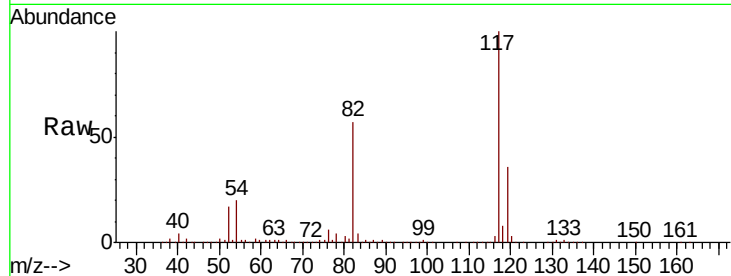




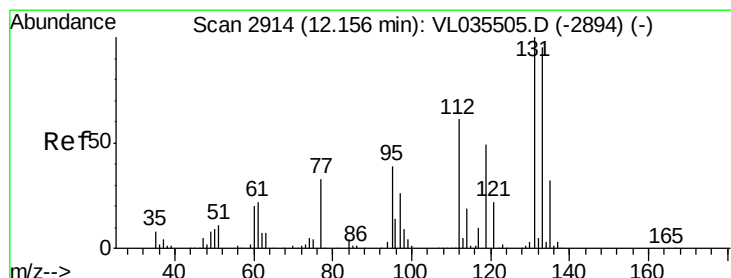
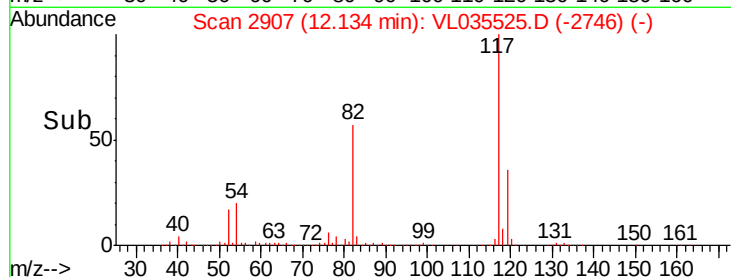
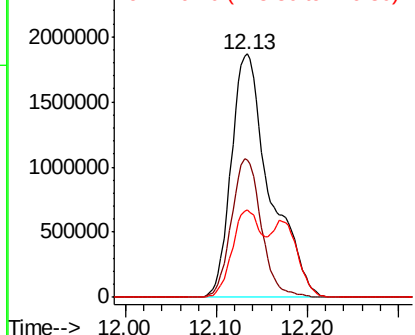
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 5509732
Ion Ratio Lower Upper
117 100
82 44.2 41.6 62.4
119 26.7 29.3 43.9#

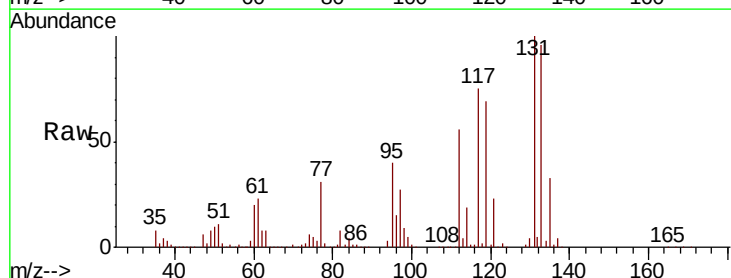


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

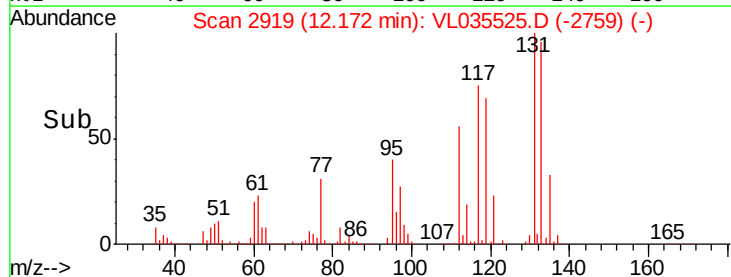
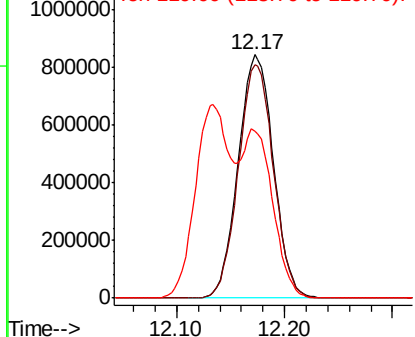


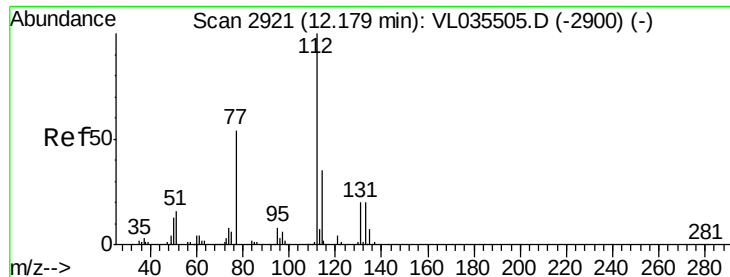
#56
1,1,1,2-Tetrachloroethane
Concen: 8.550 ppbv
RT: 12.17 min Scan# 2919
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion:131 Resp: 1916826
Ion Ratio Lower Upper
131 100
133 95.8 76.6 115.0
119 60.6 51.6 77.4



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

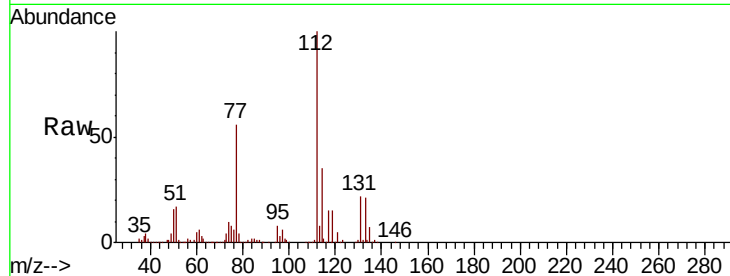




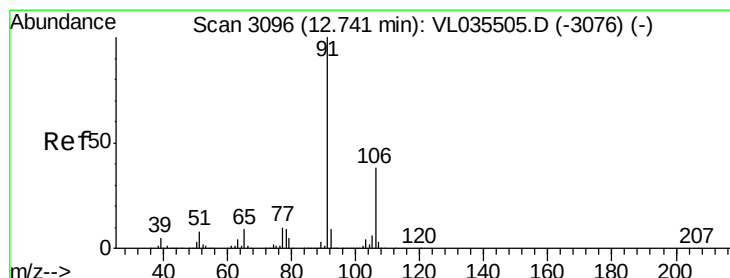
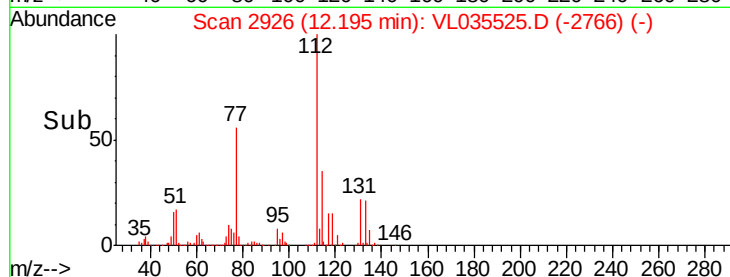
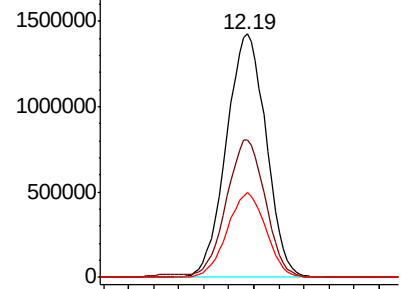
#57
Chlorobenzene
Concen: 7.745 ppbv
RT: 12.19 min Scan# 2926
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 3140538
Ion Ratio Lower Upper
112 100
77 56.0 44.2 66.4
114 34.9 31.6 38.6

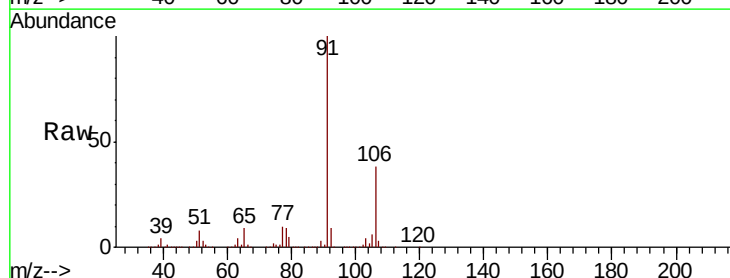


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

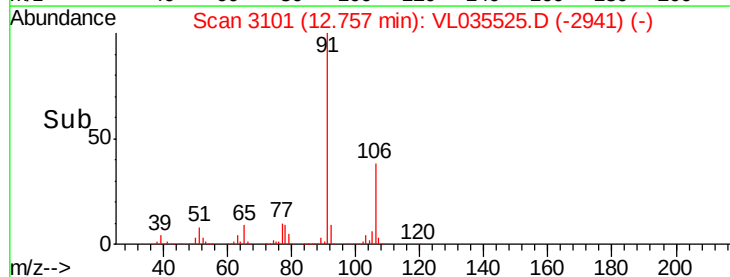
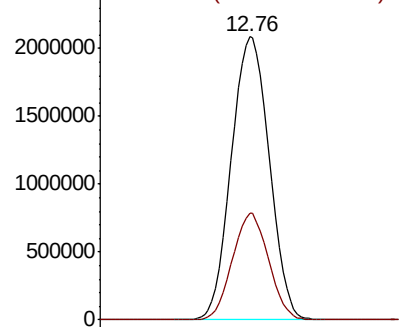


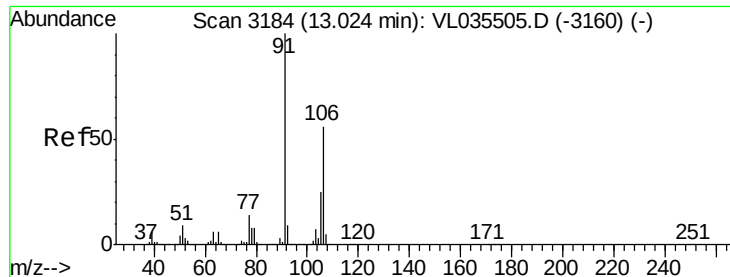
#58
Ethyl Benzene
Concen: 8.359 ppbv
RT: 12.76 min Scan# 3101
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 91 Resp: 4749372
Ion Ratio Lower Upper
91 100
106 37.7 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

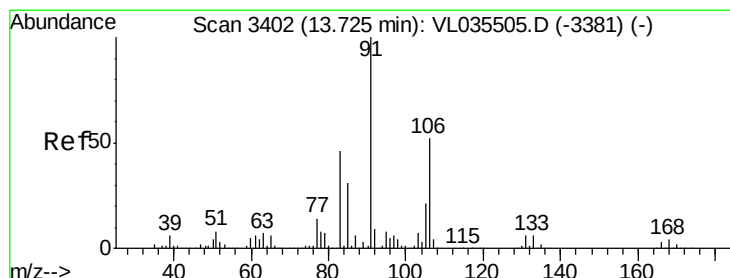
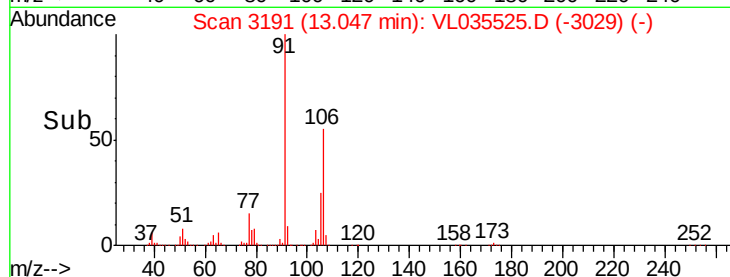
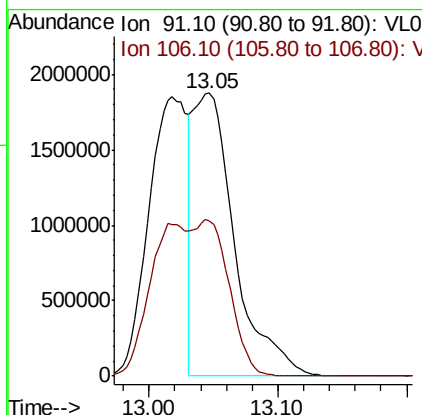
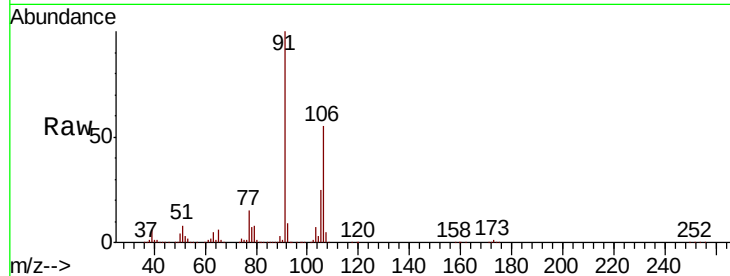




#59
m/p-Xylene
Concen: 8.803 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

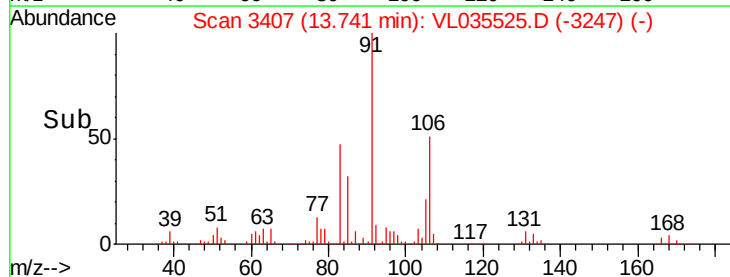
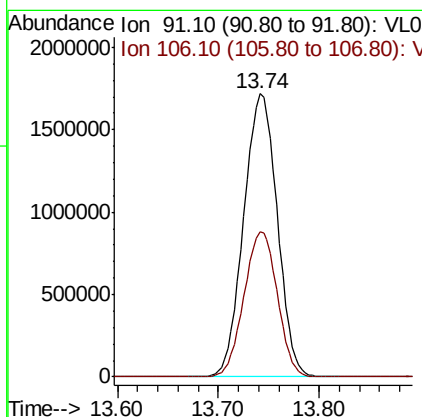
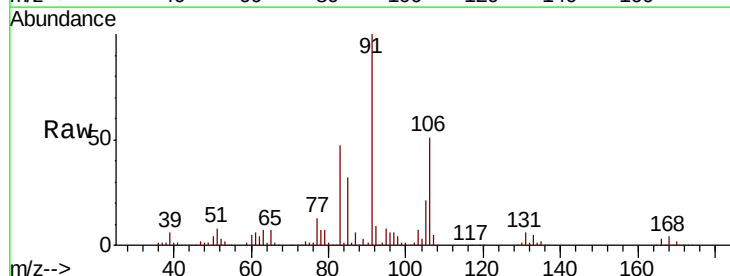
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

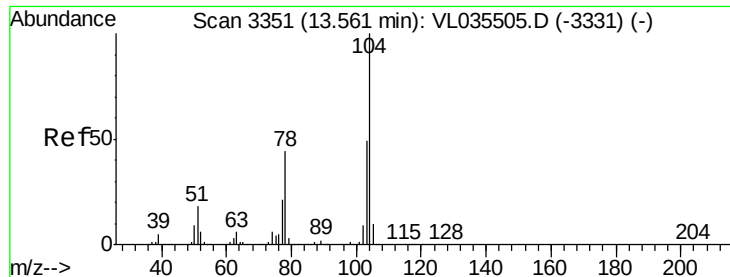
Tot Ion: 91 Resp: 4179358
Ion Ratio Lower Upper
91 100
106 98.6 43.4 65.2#



#60
o-Xylene
Concen: 8.288 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. 0.02 min
Lab File: VL035525.D
Acq: 27 Aug 2020 19:01

Tgt Ion: 91 Resp: 3962878
Ion Ratio Lower Upper
91 100
106 50.9 25.8 77.4





#61

Stvrene

Concen: 8.750 ppbv

RT: 13.58 min Scan# 3356

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

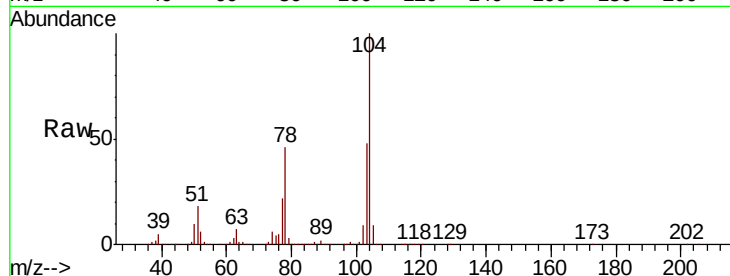
Tot Ion:104 Resp: 3199835

Ion Ratio Lower Upper

104 100

78 44.2 34.8 52.2

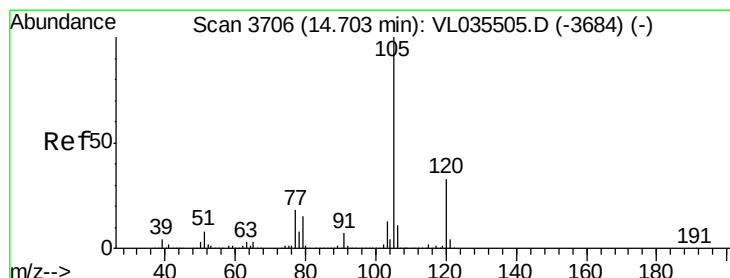
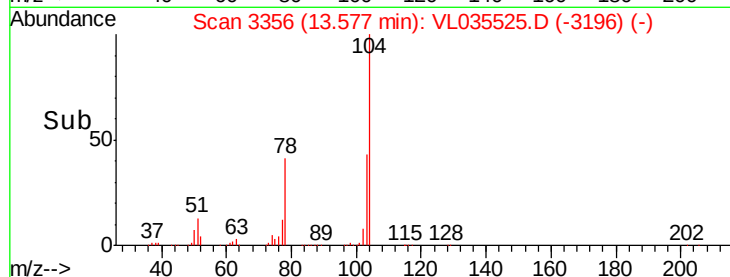
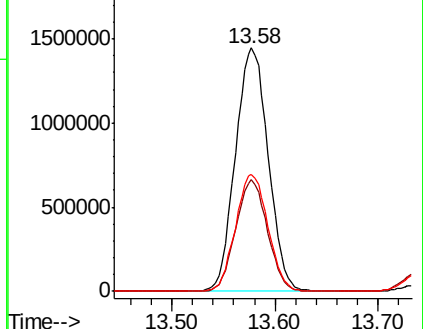
103 47.6 38.2 57.4



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: 7.962 ppbv

RT: 14.72 min Scan# 3711

Delta R.T. 0.02 min

Lab File: VL035525.D

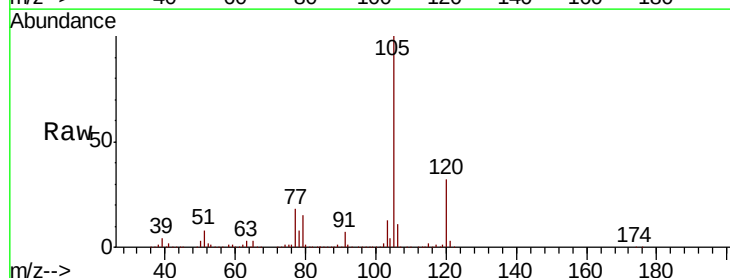
Acq: 27 Aug 2020 19:01

Tgt Ion:105 Resp: 6115621

Ion Ratio Lower Upper

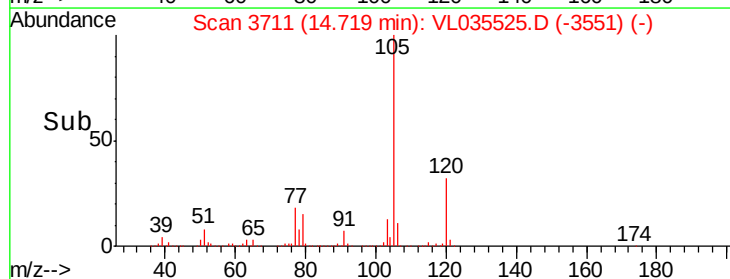
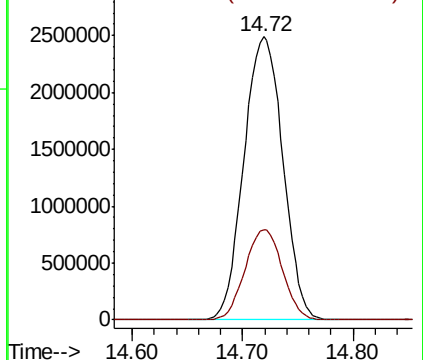
105 100

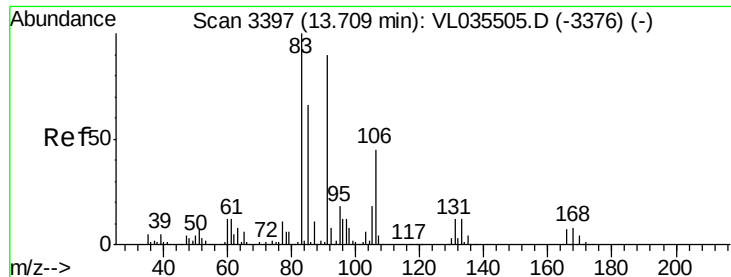
120 30.4 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

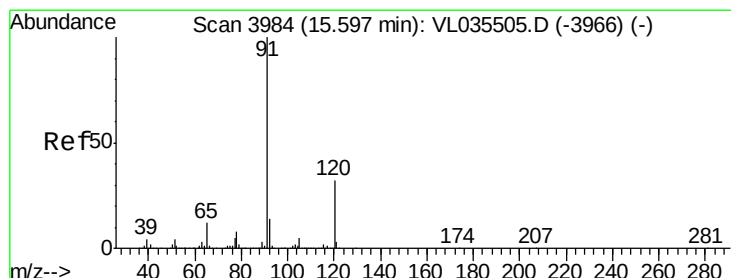
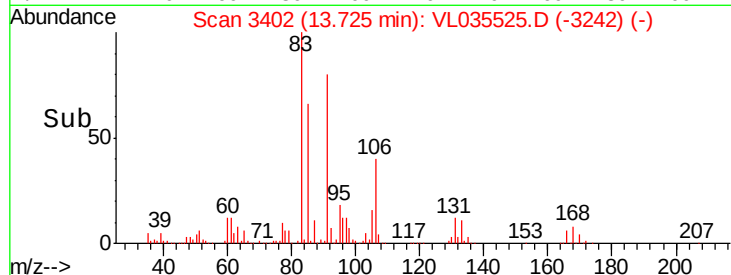
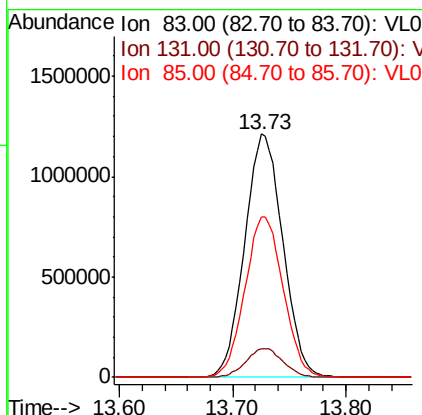
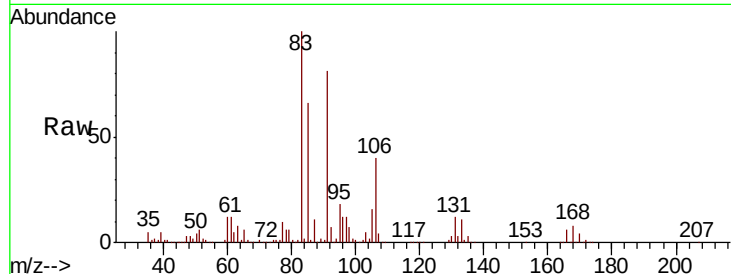




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.675 ppbv
 RT: 13.73 min Scan# 3402
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

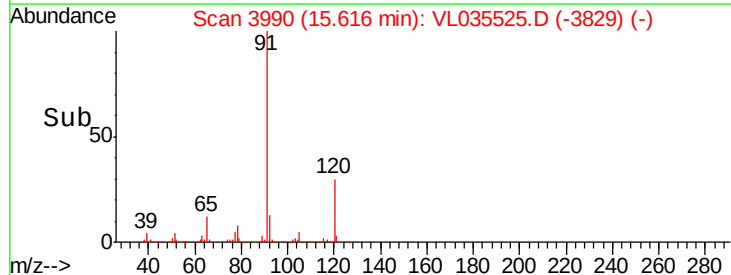
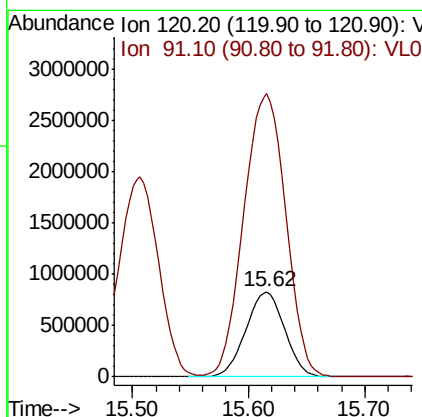
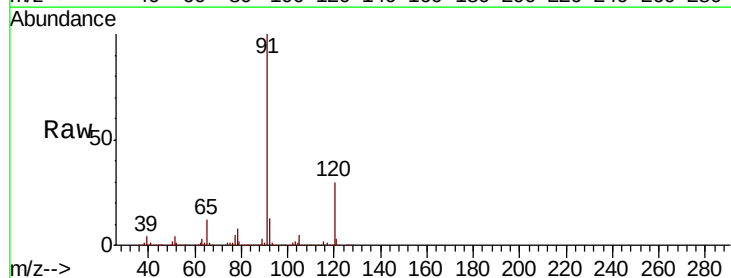
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

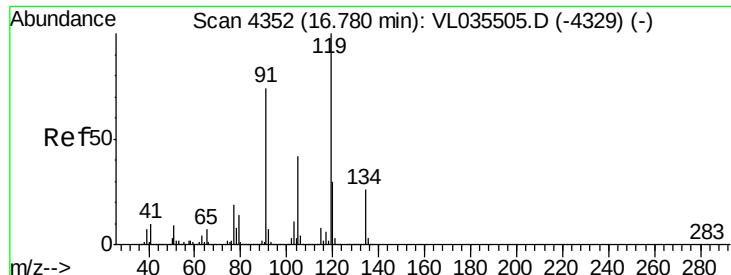
Tot Ion: 83 Resp: 2845395
 Ion Ratio Lower Upper
 83 100
 131 11.6 6.0 18.0
 85 66.3 33.4 100.2



#64
 n-propylbenzene
 Concen: 8.233 ppbv
 RT: 15.62 min Scan# 3990
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion:120 Resp: 1929698
 Ion Ratio Lower Upper
 120 100
 91 361.8 279.4 419.0

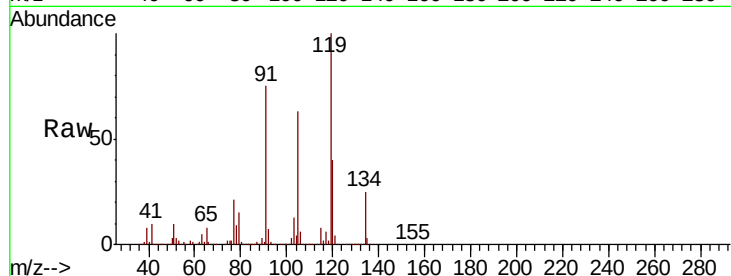




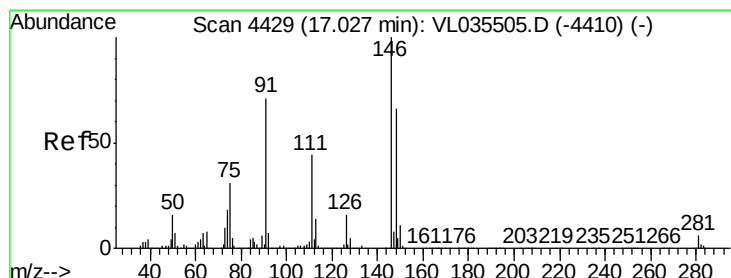
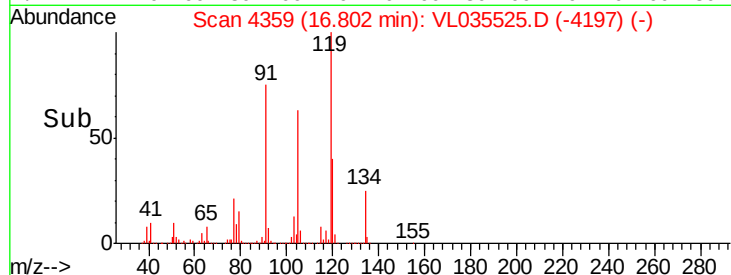
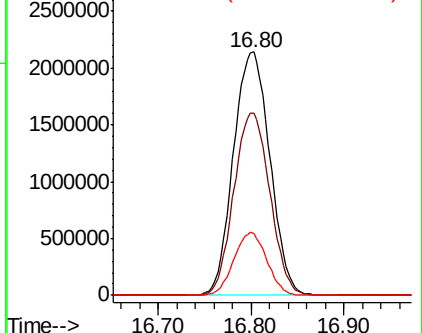
#65
 tert-Butylbenzene
 Concen: 8.196 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 5851717
 Ion Ratio Lower Upper
 119 100
 91 74.0 58.6 87.8
 134 23.3 18.9 28.3

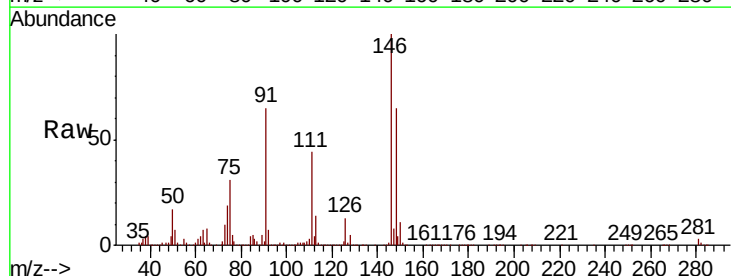


Abundance Ion 119.20 (118.90 to 119.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 134.20 (133.90 to 134.90): V

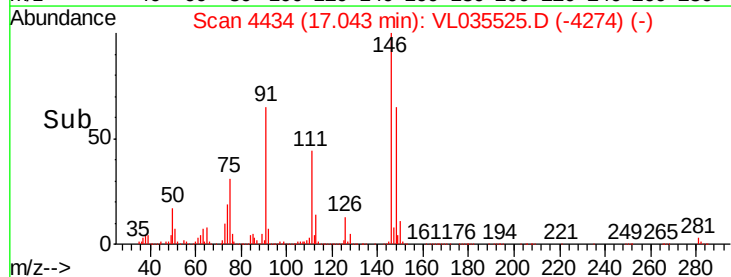
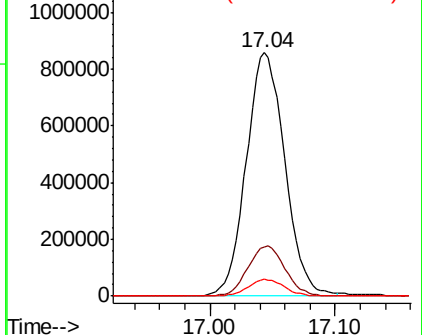


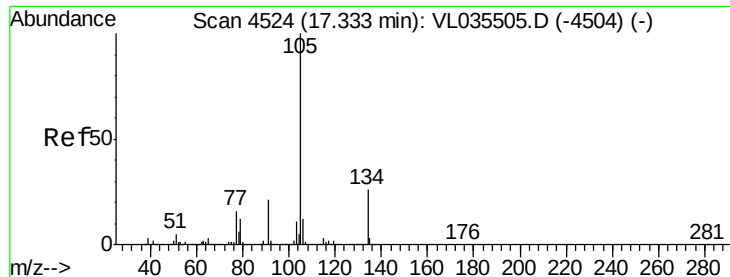
#66
 Benzyl Chloride
 Concen: 10.345 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion: 91 Resp: 1835756
 Ion Ratio Lower Upper
 91 100
 126 20.1 17.2 25.8
 128 6.5 5.5 8.3



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: 8.069 ppbv

RT: 17.35 min Scan# 4530

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

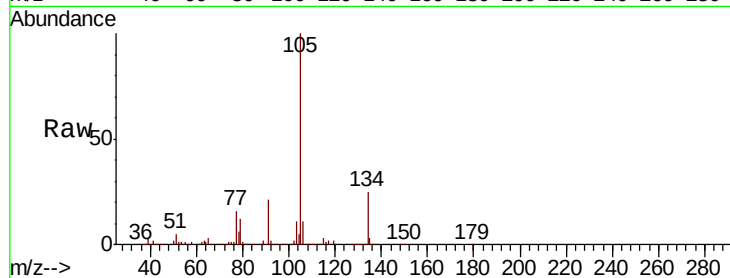
VSTDCCC010EC

Tot Ion:105 Resp: 7675357

Ion Ratio Lower Upper

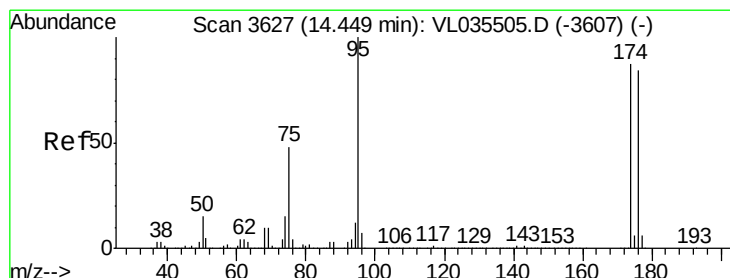
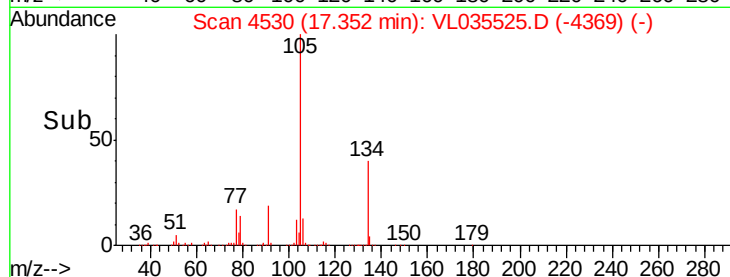
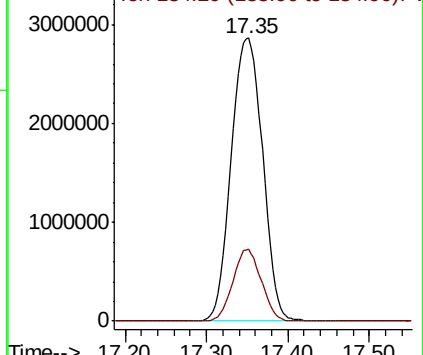
105 100

134 23.0 19.1 28.7



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: 8.276 ppbv

RT: 14.46 min Scan# 3632

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

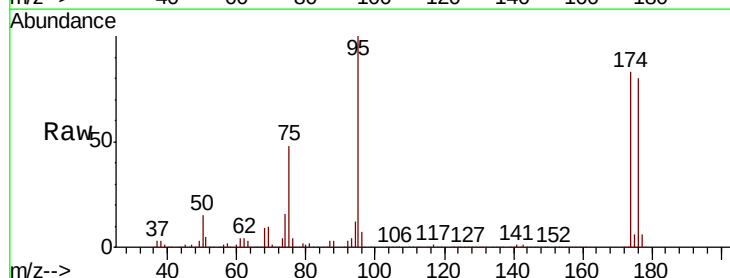
Tgt Ion: 95 Resp: 3238175

Ion Ratio Lower Upper

95 100

174 83.6 69.6 104.4

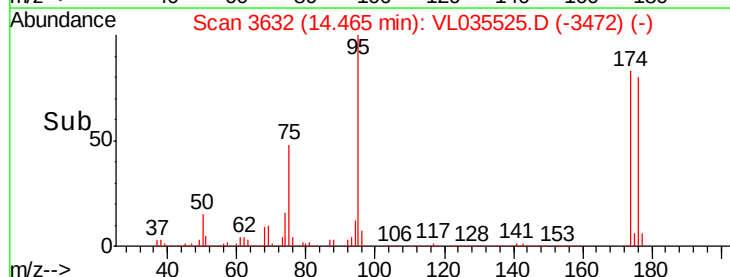
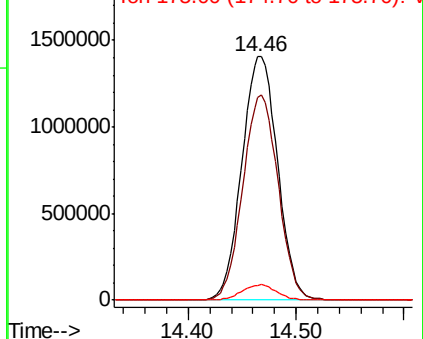
175 6.1 5.1 7.7

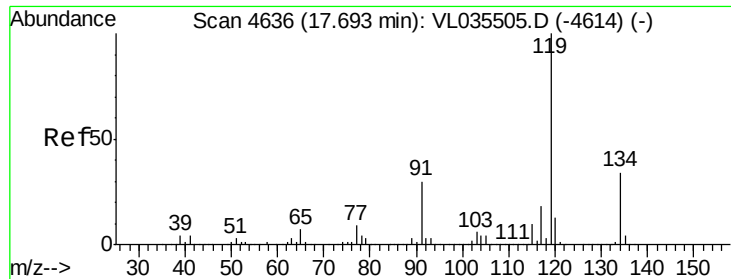


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

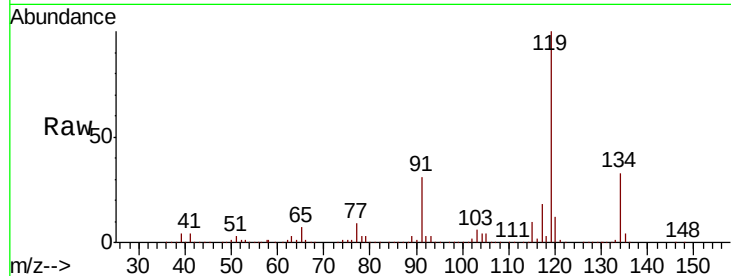




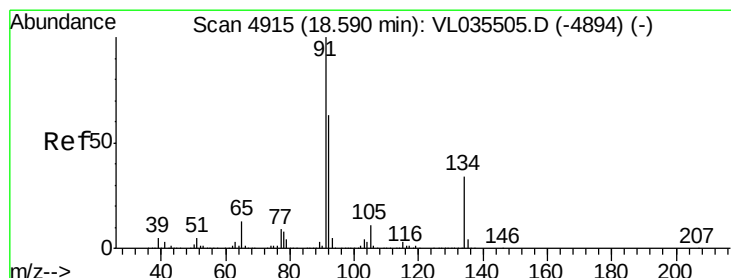
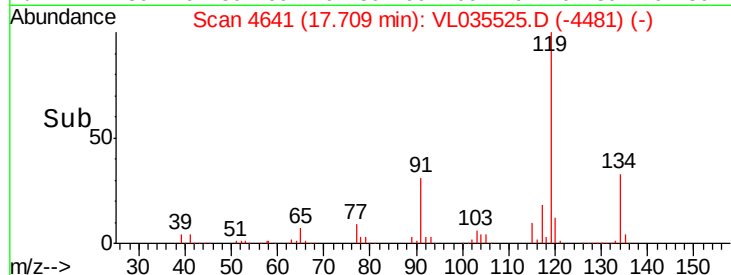
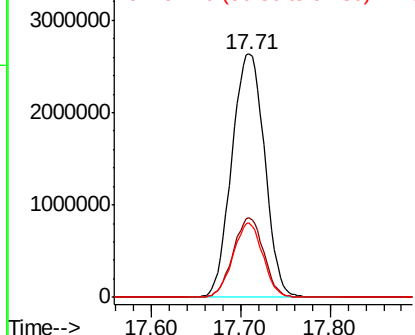
#69
 p-Isopropyltoluene
 Concen: 8.066 ppbv
 RT: 17.71 min Scan# 4641
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:119 Resp: 6730909
 Ion Ratio Lower Upper
 119 100
 134 30.5 25.0 37.4
 91 27.9 22.3 33.5

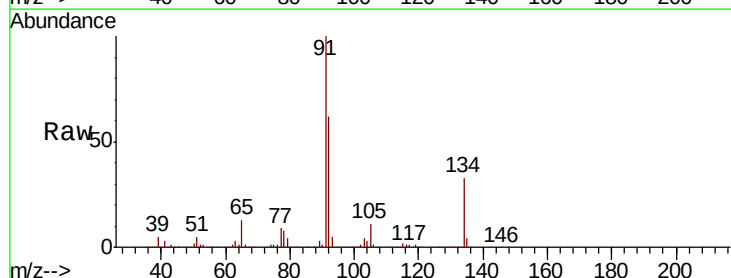


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

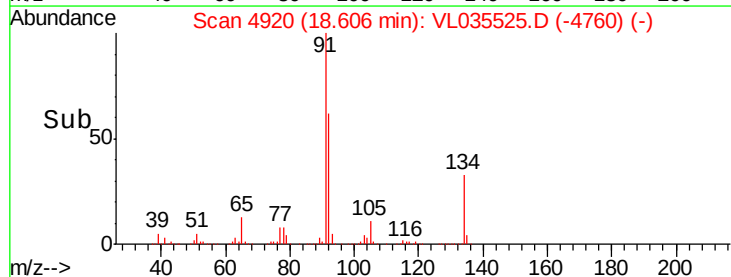
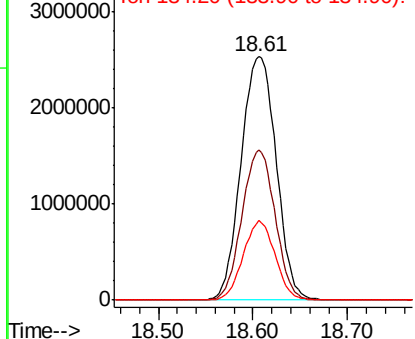


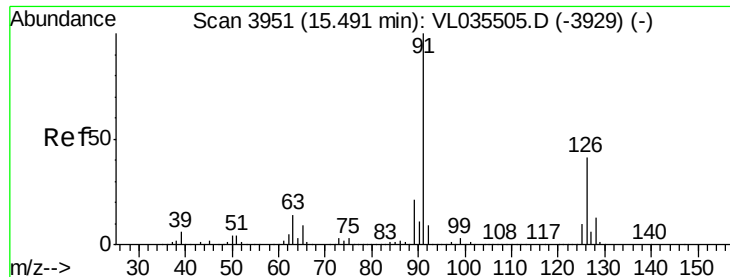
#70
 n-Butylbenzene
 Concen: 8.134 ppbv
 RT: 18.61 min Scan# 4920
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion: 91 Resp: 6537473
 Ion Ratio Lower Upper
 91 100
 92 58.4 47.3 70.9
 134 29.7 24.6 37.0



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

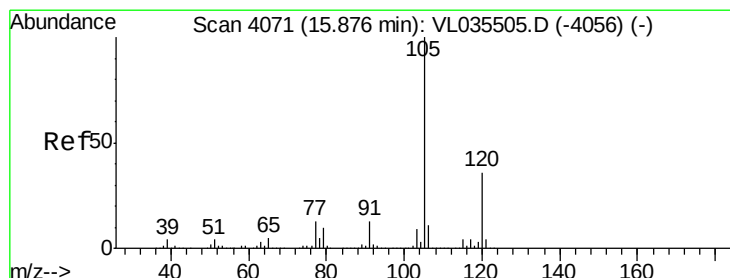
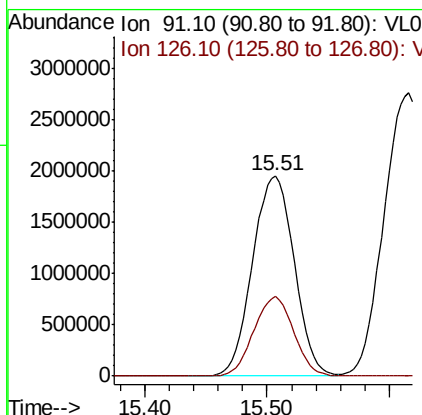
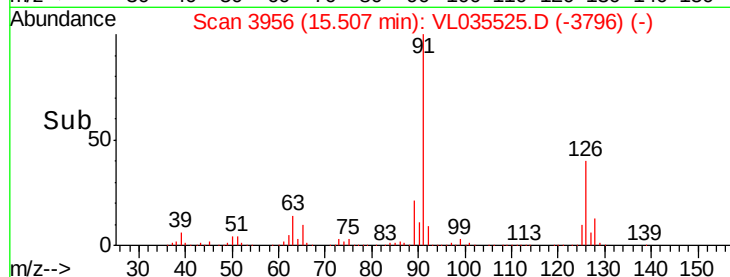
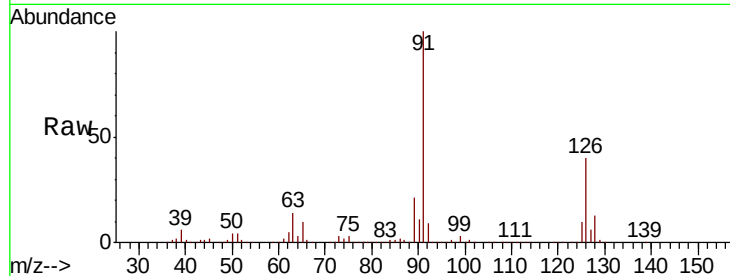




#71
 2-Chlorotoluene
 Concen: 8.285 ppbv
 RT: 15.51 min Scan# 3956
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

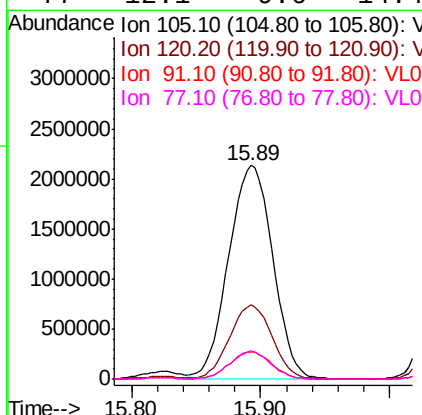
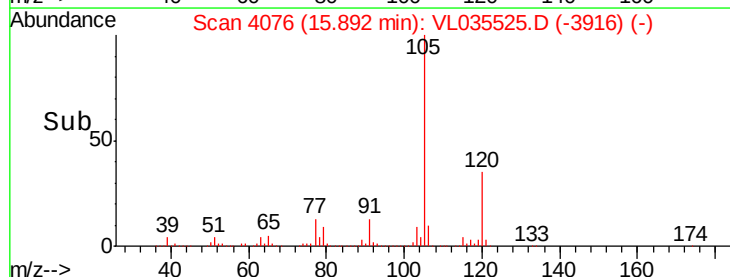
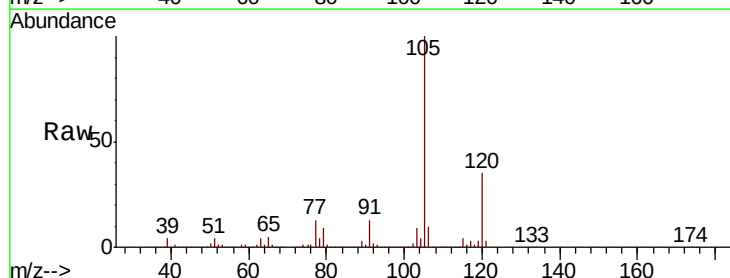
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

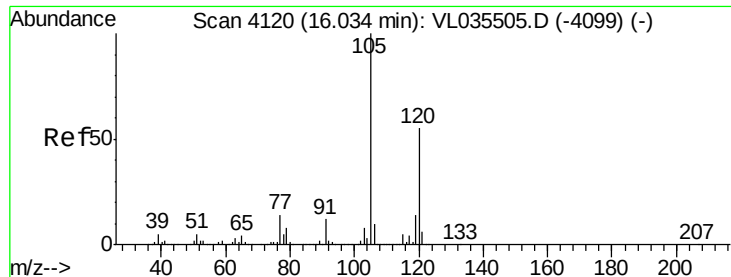
Tot Ion: 91 Resp: 4633989
 Ion Ratio Lower Upper
 91 100
 126 38.2 15.6 62.6



#72
 4-Ethyltoluene
 Concen: 8.356 ppbv
 RT: 15.89 min Scan# 4076
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion:105 Resp: 5079613
 Ion Ratio Lower Upper
 105 100
 120 33.6 27.4 41.2
 91 12.1 9.7 14.5
 77 12.1 9.6 14.4

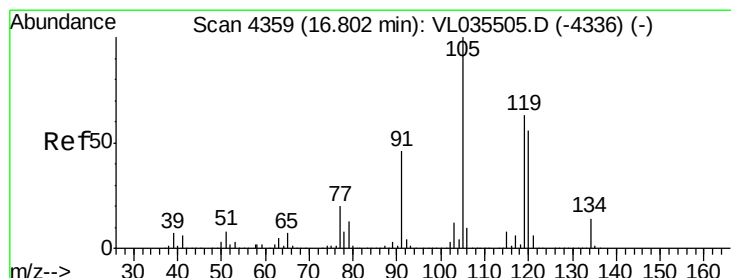
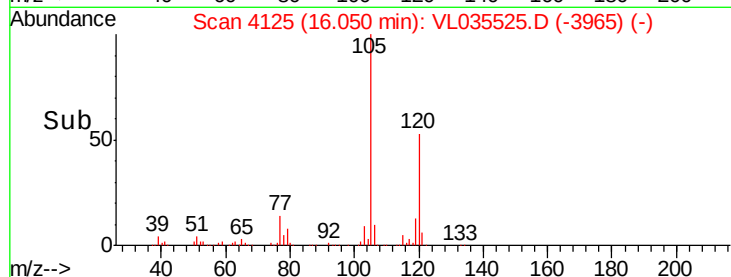
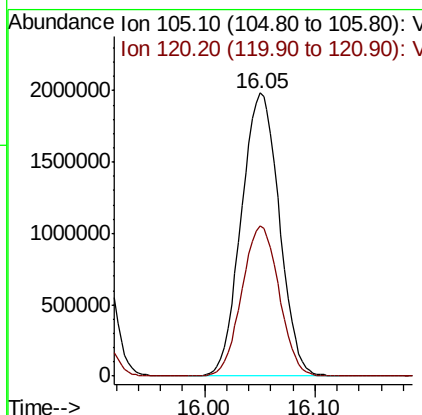
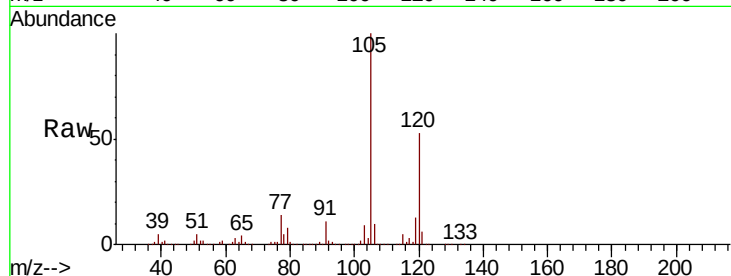




#73
 1,3,5-Trimethylbenzene
 Concen: 8.395 ppbv
 RT: 16.05 min Scan# 4125
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

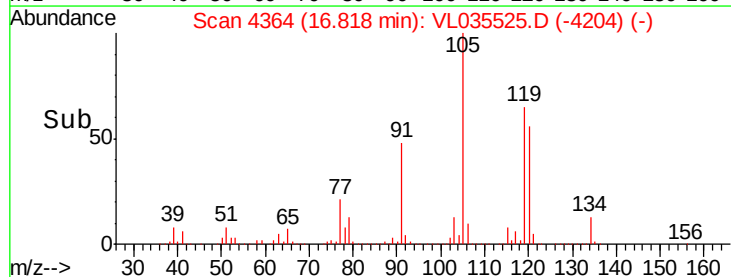
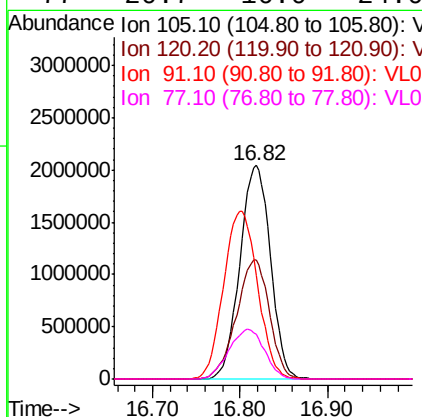
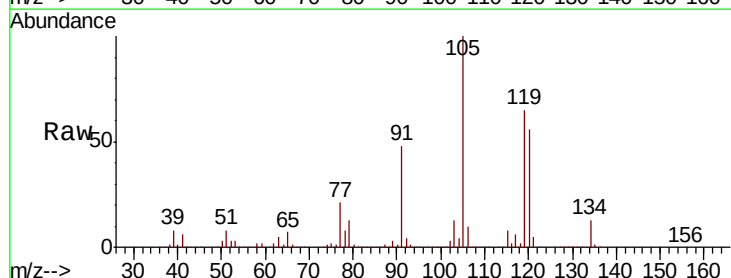
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

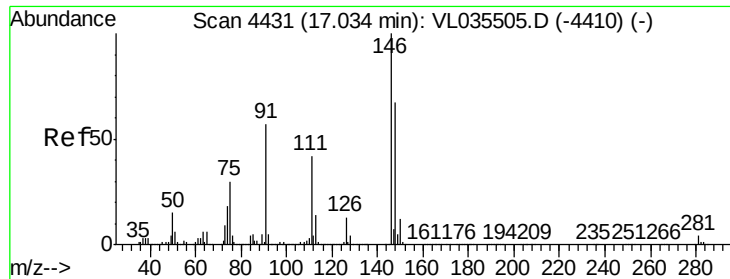
Tot Ion:105 Resp: 4719975
 Ion Ratio Lower Upper
 105 100
 120 53.1 44.2 66.2



#74
 1,2,4-Trimethylbenzene
 Concen: 8.026 ppbv
 RT: 16.82 min Scan# 4364
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Tgt Ion:105 Resp: 4955551
 Ion Ratio Lower Upper
 105 100
 120 55.6 44.4 66.6
 91 48.4 37.1 55.7
 77 20.7 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 7.756 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

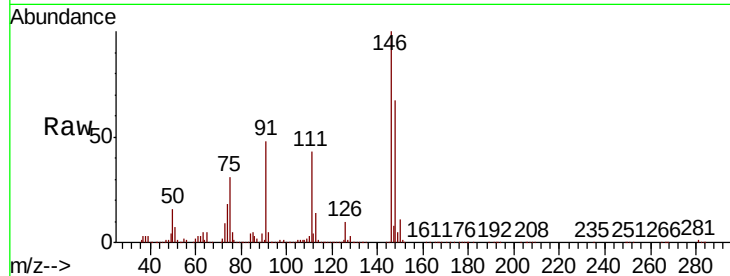
Tot Ion:146 Resp: 3547458

Ion Ratio Lower Upper

146 100

111 42.2 20.7 62.1

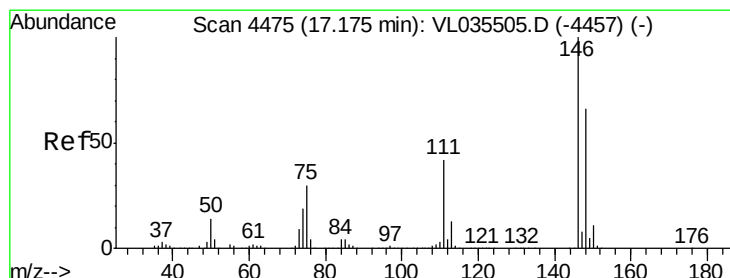
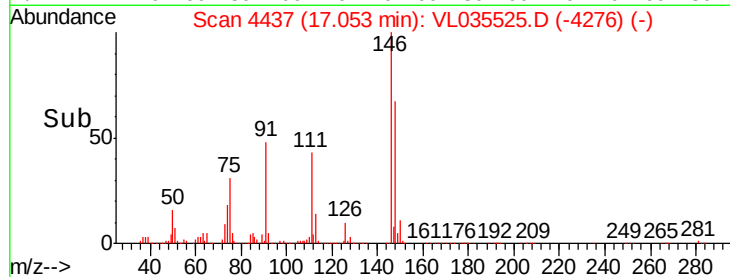
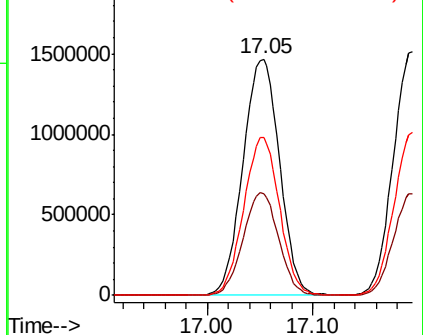
148 65.4 33.0 98.9



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



#76

1,4-Dichlorobenzene

Concen: 7.935 ppbv

RT: 17.19 min Scan# 4481

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

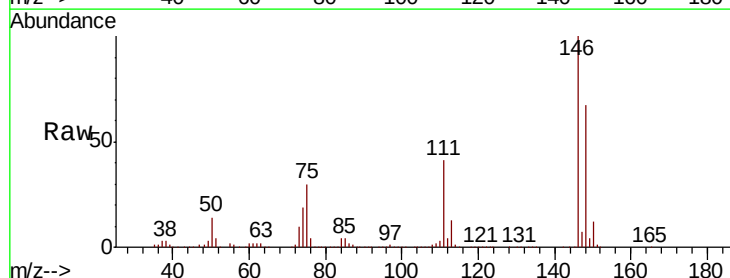
Tgt Ion:146 Resp: 3578995

Ion Ratio Lower Upper

146 100

111 40.6 20.0 60.0

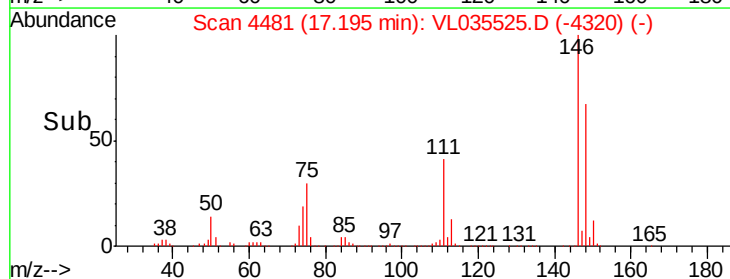
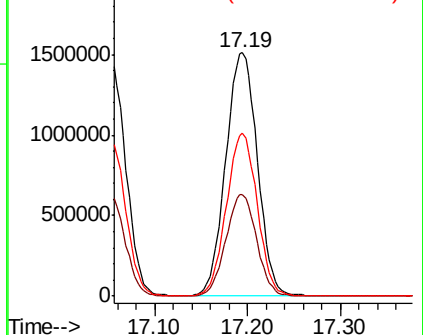
148 65.4 33.2 99.6

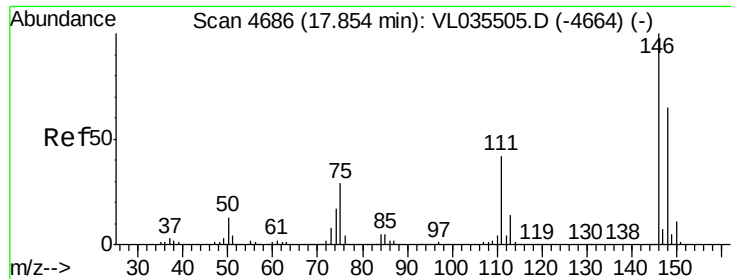


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.824 ppbv

RT: 17.87 min Scan# 4692

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

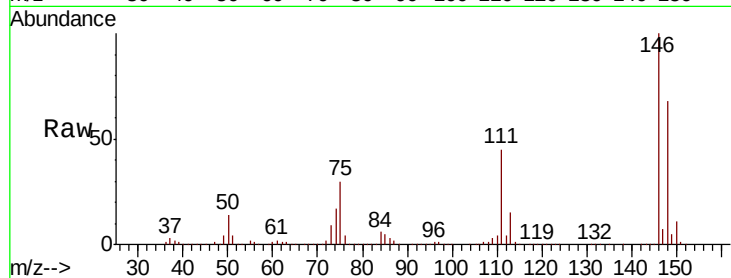
Tot Ion:146 Resp: 3466954

Ion Ratio Lower Upper

146 100

111 43.5 21.1 63.3

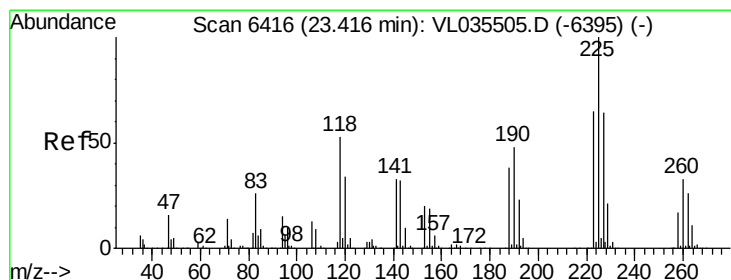
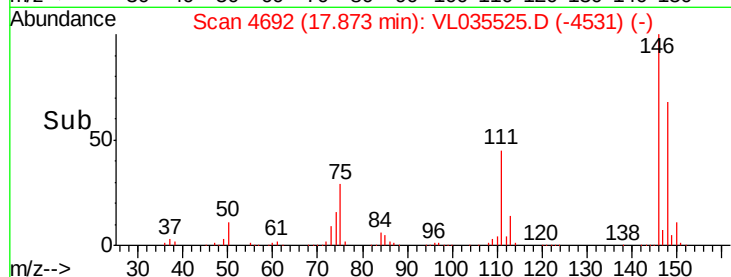
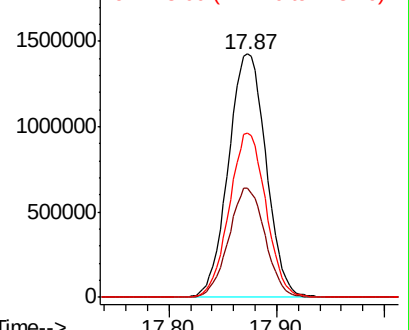
148 65.9 32.9 98.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.029 ppbv

RT: 23.44 min Scan# 6422

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

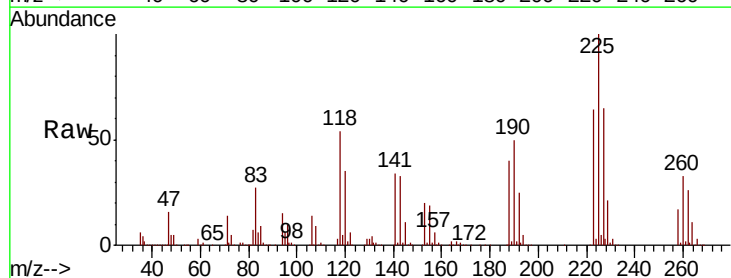
Tgt Ion:225 Resp: 2271405

Ion Ratio Lower Upper

225 100

223 64.2 51.7 77.5

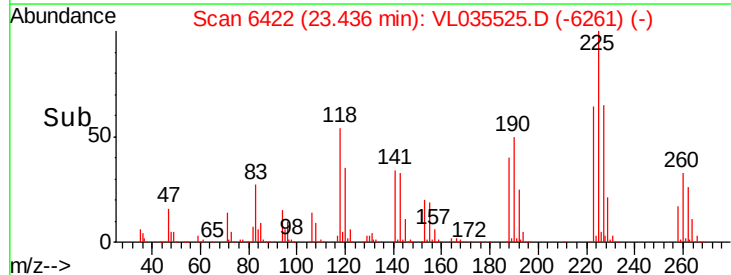
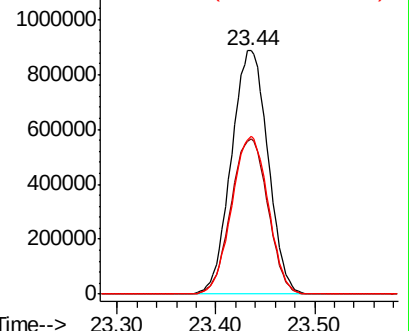
227 64.5 51.5 77.3

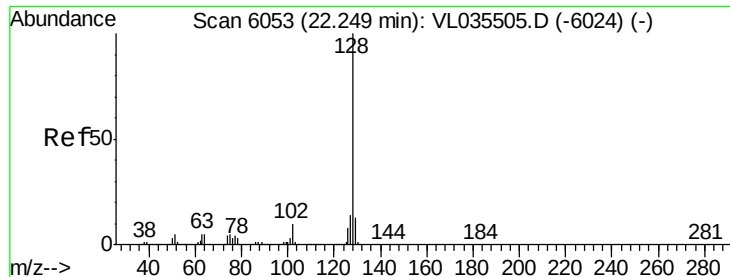


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.707 ppbv

RT: 22.27 min Scan# 6059

Delta R.T. 0.02 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

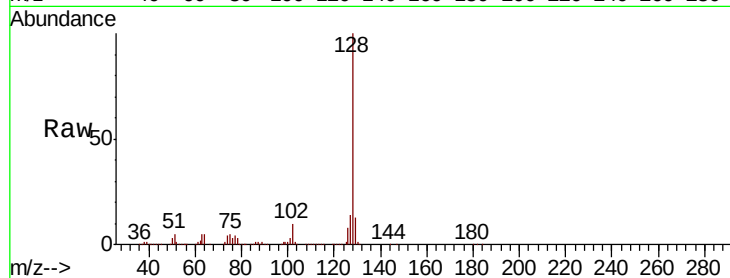
Tot Ion:128 Resp: 5965463

Ion Ratio Lower Upper

128 100

127 14.2 11.4 17.2

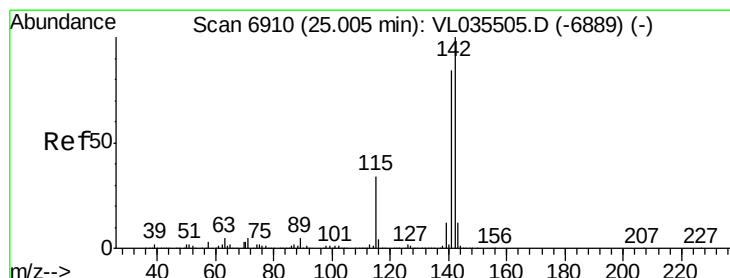
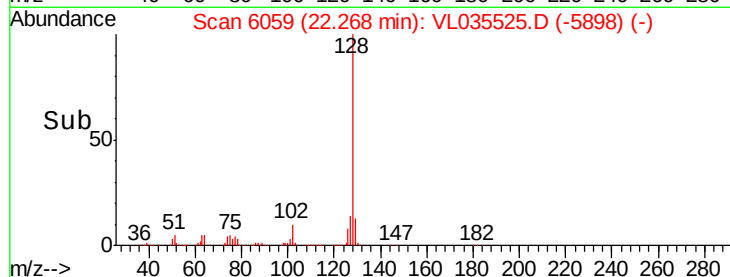
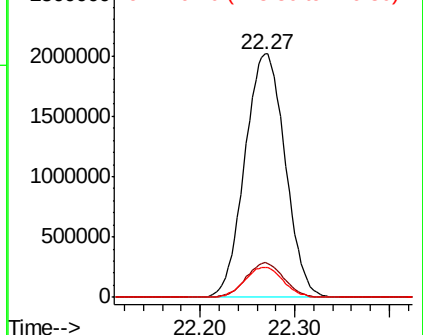
129 12.5 10.5 15.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 9.869 ppbv

RT: 25.02 min Scan# 6914

Delta R.T. 0.01 min

Lab File: VL035525.D

Acq: 27 Aug 2020 19:01

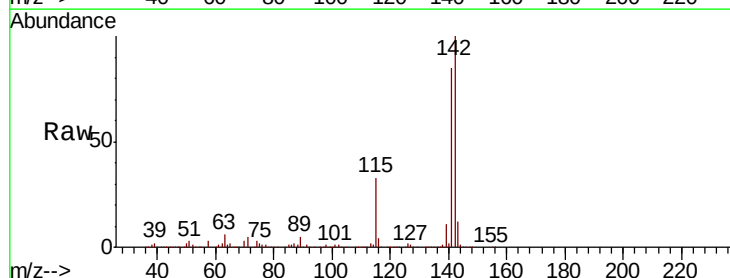
Tgt Ion:142 Resp: 2307691

Ion Ratio Lower Upper

142 100

141 85.0 67.6 101.4

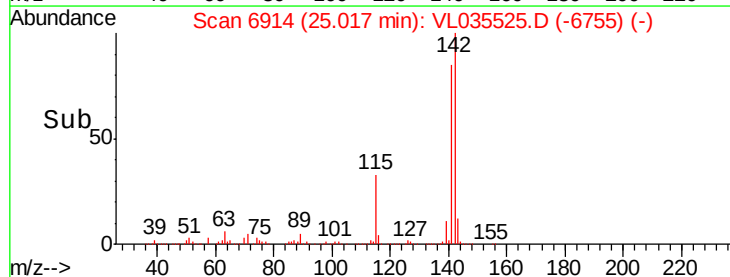
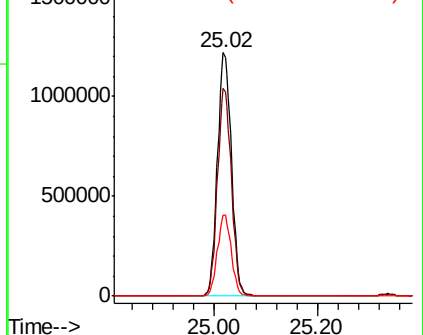
115 32.8 25.8 38.8

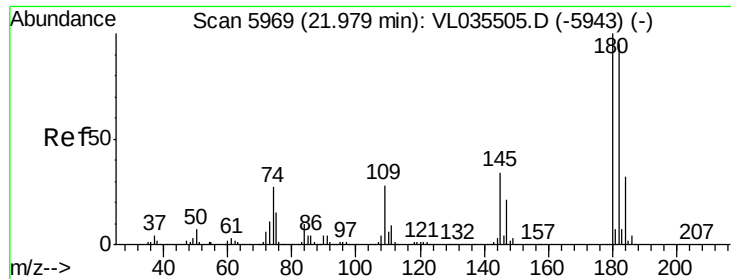


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

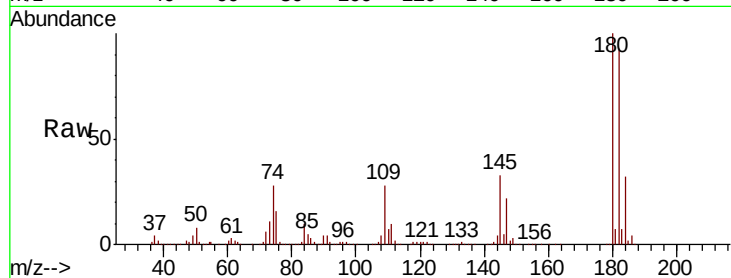




#81
 1,2,4-Trichlorobenzene
 Concen: 8.296 ppbv
 RT: 22.00 min Scan# 5974
 Delta R.T. 0.02 min
 Lab File: VL035525.D
 Acq: 27 Aug 2020 19:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:180 Resp: 3403738
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.3 114.5
 184 31.4 25.3 37.9



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

