

Data File : VL034017.D

Acq On : 11 Jul 2019 13:01

Operator : SY/AP

Sample : VSTDCCC010

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jul 12 06:59:40 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019

QLast Update : Tue Jul 02 19:31:31 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	1127791	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.26	114	2968645	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.20	117	3415095	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.53	95	2345120	8.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.06	85	1651152	7.095	ppbv	97
3) Chlorodifluoromethane	2.99	51	1318705	9.469	ppbv	100
4) Chloromethane	3.15	50	760620	9.498	ppbv	94
5) Vinyl Chloride	3.27	62	848976	9.428	ppbv	97
6) Bromomethane	3.49	94	530120	9.983	ppbv	99
7) Chloroethane	3.58	64	324195	10.074	ppbv	95
8) Dichlorotetrafluoroethane	3.20	85	2148157	9.467	ppbv	99
9) Propene	3.01	41	518328	10.117	ppbv	96
10) Heptane	8.21	43	1471418	11.471	ppbv	99
11) Trichlorofluoromethane	3.98	101	2310351	8.828	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.52	101	1729688	9.338	ppbv	98
13) Ethanol	3.62	45	71665	4.503	ppbv #	53
14) Bromoethene	3.76	108	722203	10.440	ppbv	99
15) Acetone	3.88	43	1562692	8.241	ppbv	98
16) 1,3-Butadiene	3.34	39	694539	10.373	ppbv	99
17) tert-Butyl alcohol	4.33	59	1303820	8.625	ppbv	99
18) 1,1-Dichloroethene	4.33	96	767437	9.302	ppbv	98
19) Isopropyl Alcohol	4.00	45	1011439	7.947	ppbv	99
20) Methylene Chloride	4.38	84	683215	8.262	ppbv	99
21) Allyl Chloride	4.45	41	1141631	9.656	ppbv	99
22) trans-1,2-Dichloroethene	4.93	96	808179	10.280	ppbv	99
23) Vinyl Acetate	5.12	43	2172972	11.482	ppbv	98
24) 1,1-Dichloroethane	5.06	63	1730144	10.315	ppbv	98
25) Ethyl Acetate	5.74	43	2752374	10.613	ppbv	99
26) Hexane	5.74	57	1268116	10.685	ppbv	98
27) Carbon Disulfide	4.59	76	2095423	10.386	ppbv	100
28) Methyl tert-Butyl Ether	5.08	73	2247338	11.182	ppbv	100
29) Chloroform	5.82	83	2194598	9.840	ppbv	96
30) Cyclohexane	7.21	84	1095010	11.947	ppbv	94
31) cis-1,2-Dichloroethene	5.61	61	1287613	11.230	ppbv	98
32) 1,1,1-Trichloroethane	6.58	97	2189470	9.686	ppbv	99
34) 2-Butanone	5.30	43	1698456	10.810	ppbv	99
35) Carbon Tetrachloride	7.10	117	2300679	9.790	ppbv	98
36) Benzene	6.97	78	2570560	11.066	ppbv	97
37) 1,2-Dichloroethane	6.38	62	1679925	9.817	ppbv	100
38) Trichloroethene	7.92	130	1115114	10.789	ppbv	97
39) 1,2-Dichloropropane	7.70	63	911772	10.556	ppbv	95
40) 1,4-Dioxane	7.91	88	375463	9.415	ppbv #	97
41) Tetrahydrofuran	6.11	42	887336	11.516	ppbv	98
42) Bromodichloromethane	7.88	83	2361201	10.284	ppbv	99
43) Methyl Methacrylate	8.10	69	1049017	11.903	ppbv	98

Data File : VL034017.D
Acq On : 11 Jul 2019 13:01
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

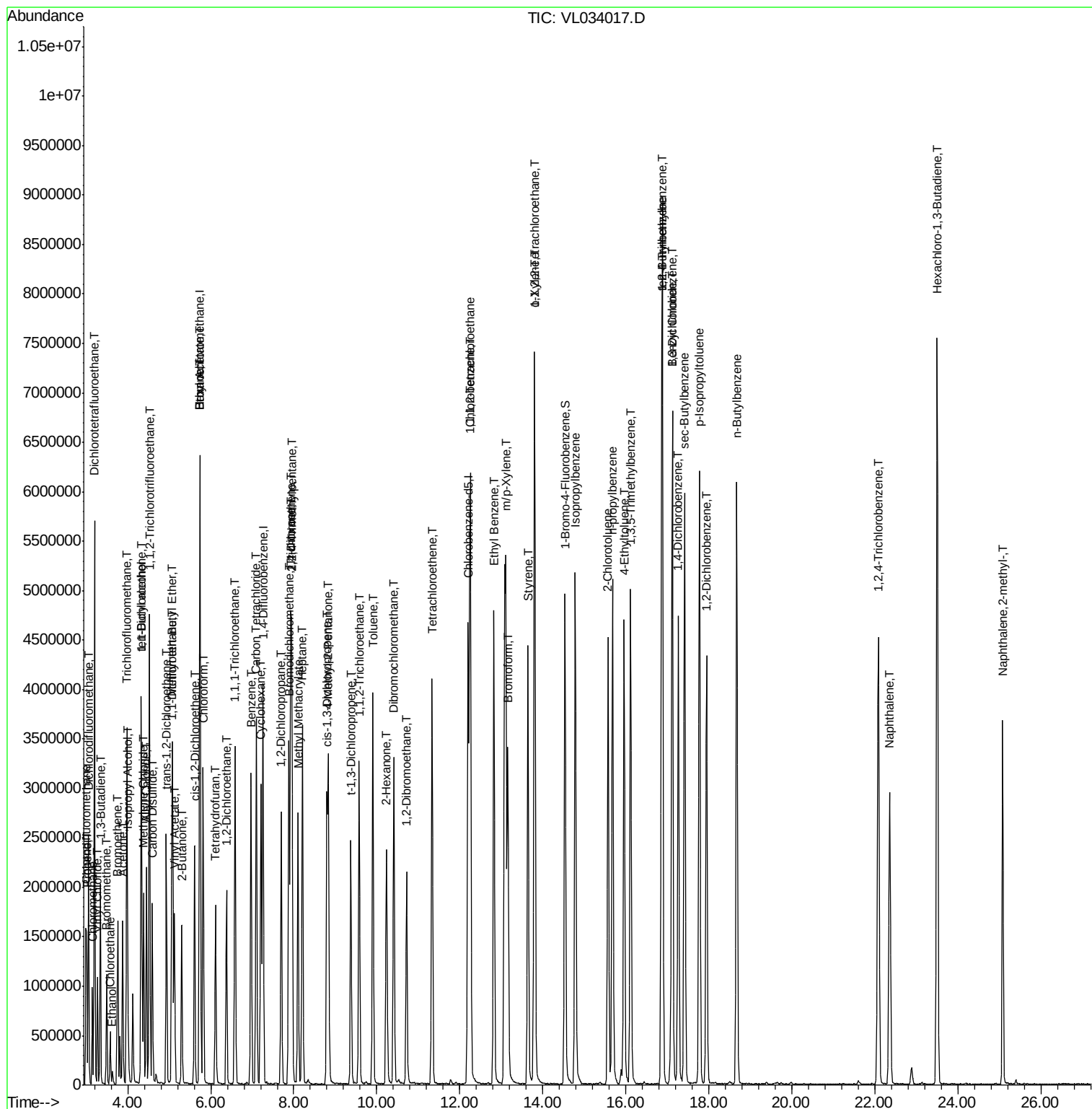
Quant Time: Jul 12 06:59:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 02 19:31:31 2019
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration

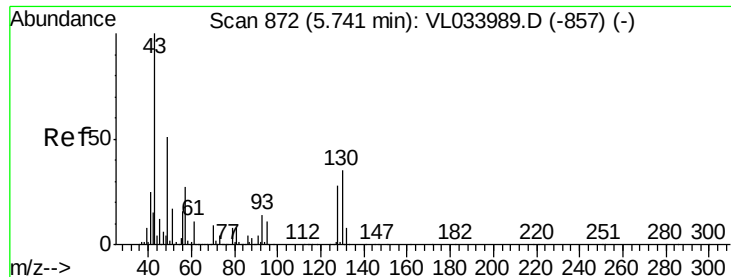
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.95	57	4285332	10.687	ppbv	99
45) t-1,3-Dichloropropene	9.38	75	1473714	12.787	ppbv	99
46) cis-1,3-Dichloropropene	8.80	75	1645702	12.330	ppbv	94
47) 1,1,2-Trichloroethane	9.58	97	1129180	10.398	ppbv	96
48) Dibromochloromethane	10.41	129	2105708	10.161	ppbv	100
49) Bromoform	13.16	173	1987252	11.225	ppbv	99
50) 4-Methyl-2-Pentanone	8.83	43	2572974	11.036	ppbv	100
51) 2-Hexanone	10.23	43	2098415	11.160	ppbv	100
52) Tetrachloroethene	11.33	164	1061056	10.613	ppbv	98
53) Toluene	9.91	91	3193819	12.011	ppbv	99
54) 1,2-Dibromoethane	10.71	107	1761448	10.990	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.24	131	1396284	9.148	ppbv	99
57) Chlorobenzene	12.26	112	2511999	9.239	ppbv	99
58) Ethyl Benzene	12.82	91	4361286	10.620	ppbv	100
59) m/p-Xylene	13.11	91	3725704	10.019	ppbv #	30
60) o-Xylene	13.80	91	3624127	9.742	ppbv	99
61) Styrene	13.64	104	2684727	10.905	ppbv	99
62) Isopropylbenzene	14.78	105	4752365	8.310	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.79	83	2529288	8.784	ppbv	99
64) n-propylbenzene	15.68	120	1221139	8.235	ppbv	98
65) tert-Butylbenzene	16.87	119	4269655	8.780	ppbv	99
66) Benzyl Chloride	17.11	91	2431953	9.775	ppbv	100
67) sec-Butylbenzene	17.42	105	6027591	8.831	ppbv	99
69) p-Isopropyltoluene	17.77	119	4985553	8.859	ppbv	99
70) n-Butylbenzene	18.67	91	5180760	8.763	ppbv	99
71) 2-Chlorotoluene	15.57	91	3563723	8.515	ppbv	99
72) 4-Ethyltoluene	15.96	105	4111405	8.606	ppbv	100
73) 1,3,5-Trimethylbenzene	16.11	105	4033850	9.075	ppbv	98
74) 1,2,4-Trimethylbenzene	16.88	105	4170138	8.470	ppbv	98
75) 1,3-Dichlorobenzene	17.12	146	2479343	7.928	ppbv	100
76) 1,4-Dichlorobenzene	17.26	146	2487633	8.446	ppbv	100
77) 1,2-Dichlorobenzene	17.95	146	2352608	8.124	ppbv	99
78) Hexachloro-1,3-Butadiene	23.50	225	2229276	9.047	ppbv	98
79) Naphthalene	22.35	128	3874595	9.361	ppbv	97
80) Naphthalene,2-methyl-	25.08	142	1993192	13.233	ppbv	97
81) 1,2,4-Trichlorobenzene	22.08	180	2271989	8.547	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 869

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

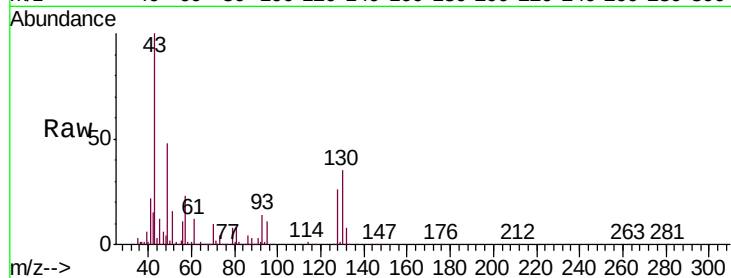
Tgt Ion: 49 Resp: 1127791

Ion Ratio Lower Upper

49 100

128 56.6 27.9 83.6

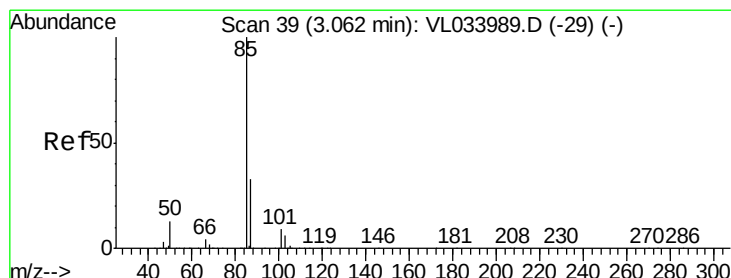
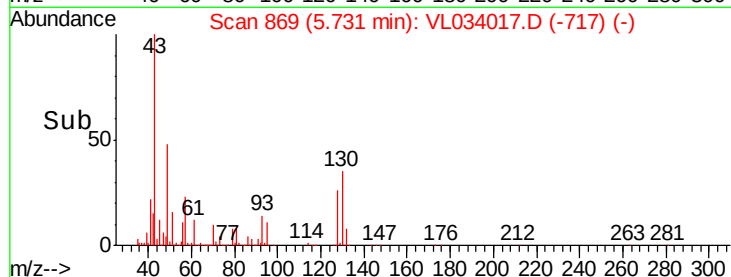
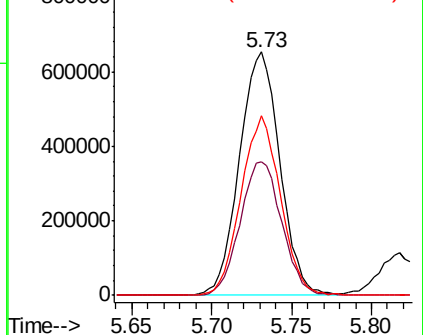
130 72.3 35.8 107.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.095 ppbv

RT: 3.06 min Scan# 37

Delta R.T. -0.01 min

Lab File: VL034017.D

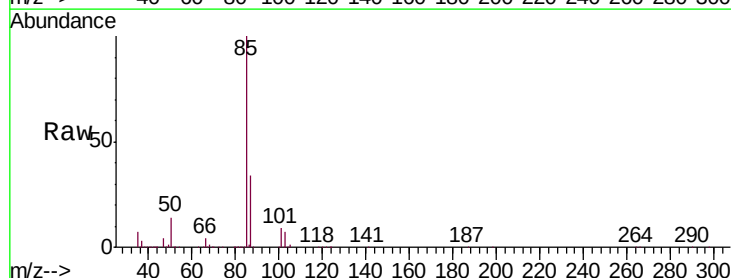
Acq: 11 Jul 2019 13:01

Tgt Ion: 85 Resp: 1651152

Ion Ratio Lower Upper

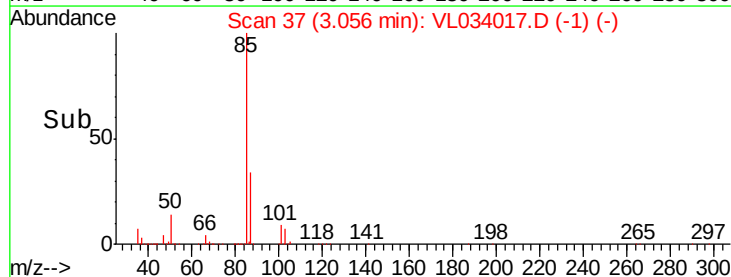
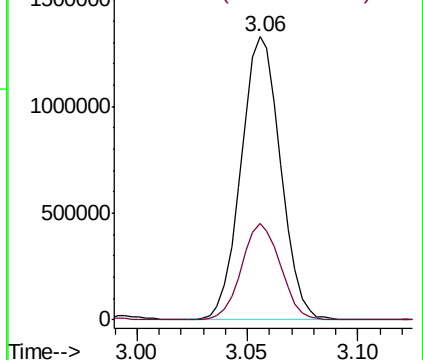
85 100

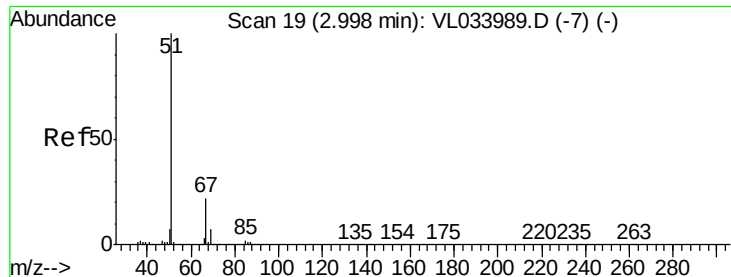
87 34.0 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

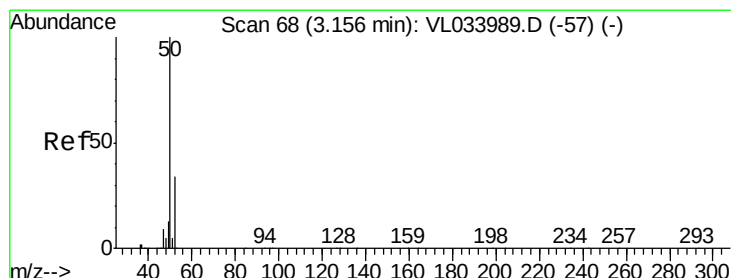
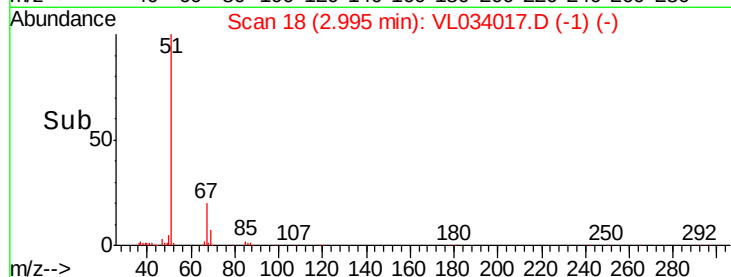
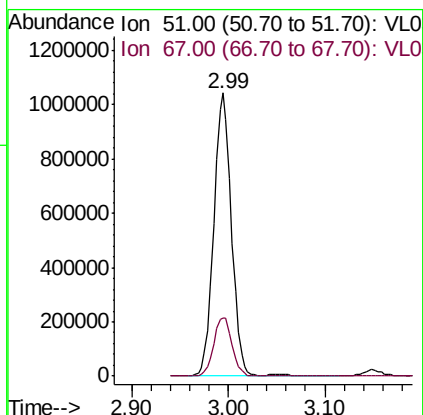
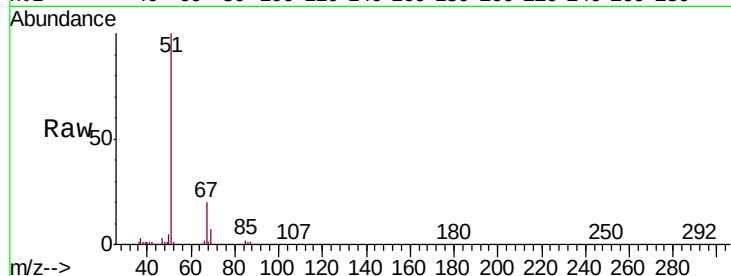




#3
 Chlorodifluoromethane
 Concen: 9.469 ppbv
 RT: 2.99 min Scan# 18
 Delta R.T. -0.00 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

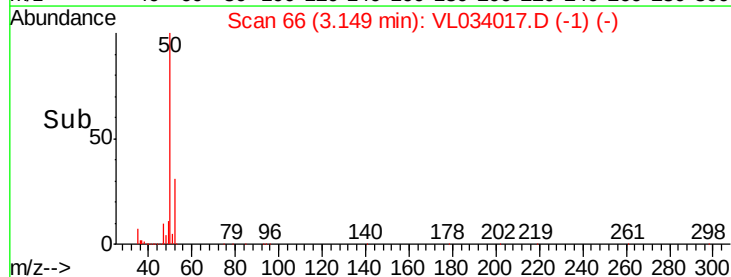
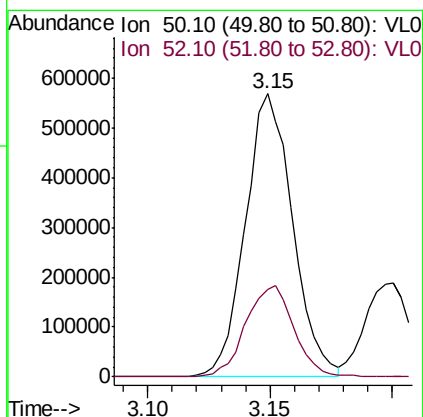
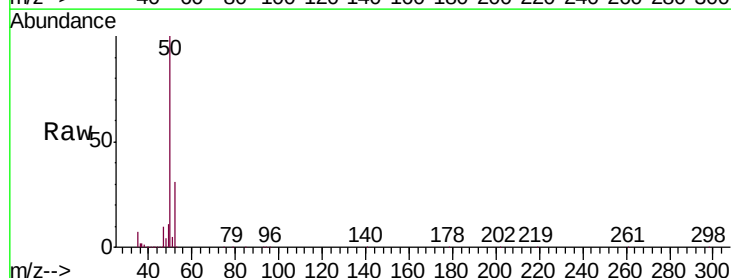
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

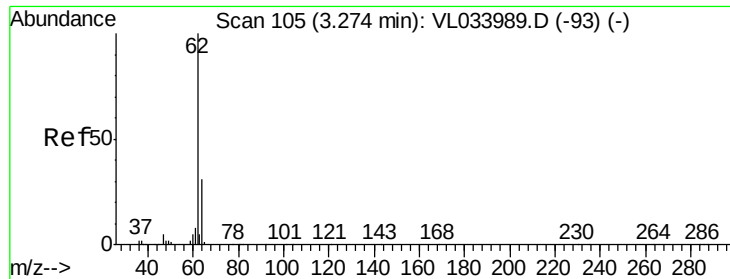
Tgt Ion: 51 Resp: 1318705
 Ion Ratio Lower Upper
 51 100
 67 21.4 17.3 25.9



#4
 Chloromethane
 Concen: 9.498 ppbv
 RT: 3.15 min Scan# 66
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion: 50 Resp: 760620
 Ion Ratio Lower Upper
 50 100
 52 30.6 27.4 41.0





#5

Vinyl Chloride

Concen: 9.428 ppbv

RT: 3.27 min Scan# 103

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

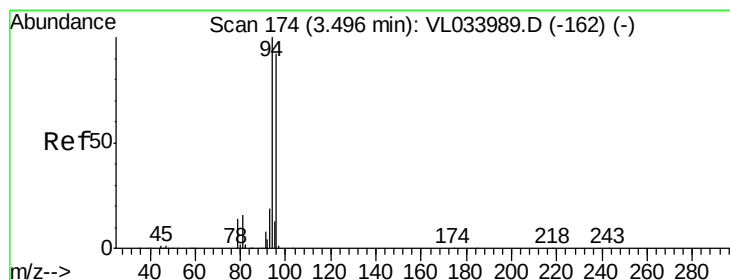
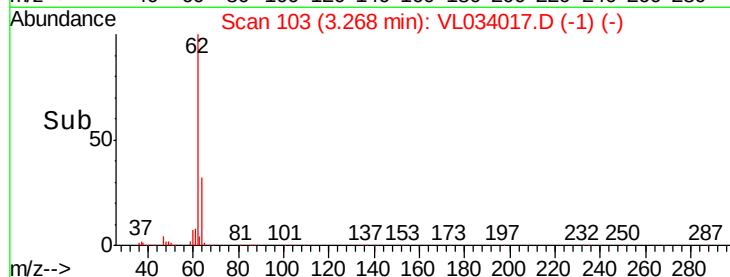
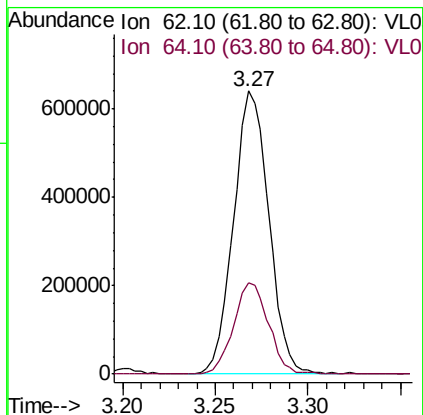
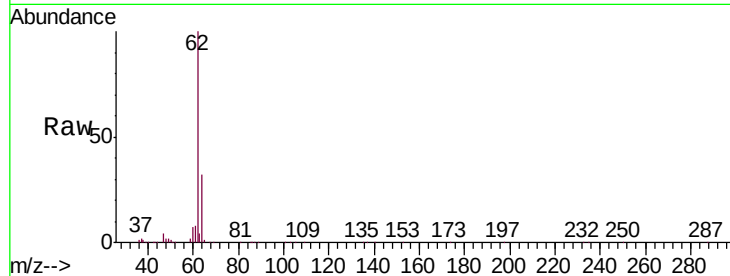
VSTDCCC010

Tgt Ion: 62 Resp: 848976

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6



#6

Bromomethane

Concen: 9.983 ppbv

RT: 3.49 min Scan# 173

Delta R.T. -0.00 min

Lab File: VL034017.D

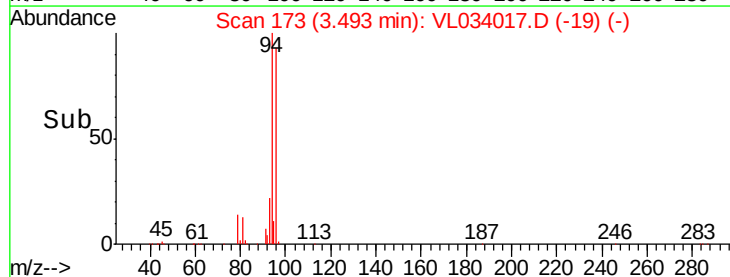
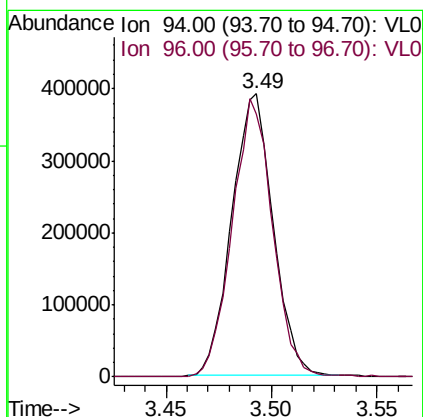
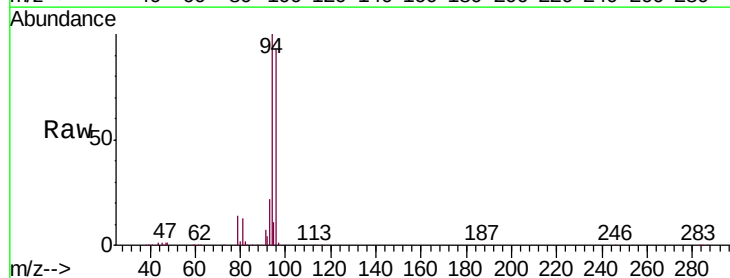
Acq: 11 Jul 2019 13:01

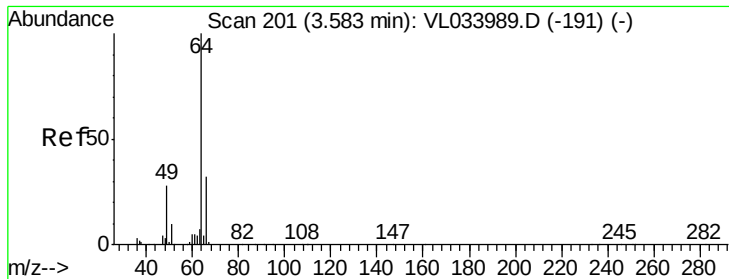
Tgt Ion: 94 Resp: 530120

Ion Ratio Lower Upper

94 100

96 93.0 73.8 110.8





#7

Chloroethane

Concen: 10.074 ppbv

RT: 3.58 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

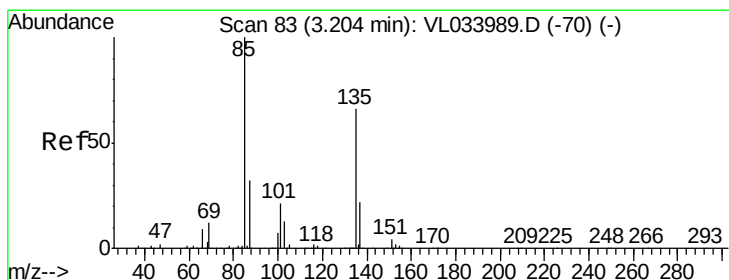
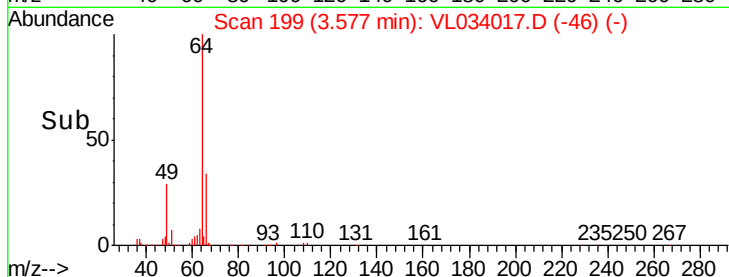
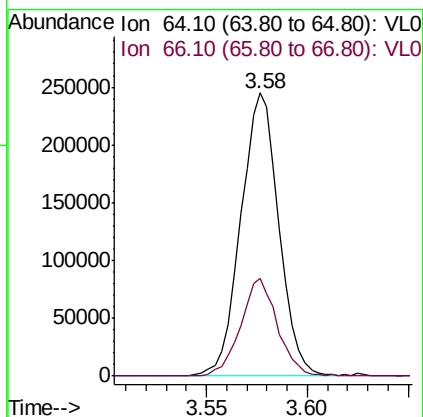
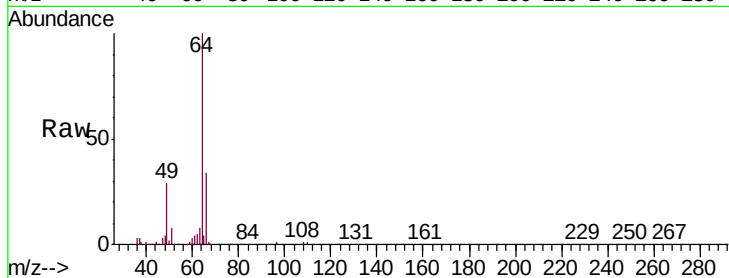
VSTDCCC010

Tgt Ion: 64 Resp: 324195

Ion Ratio Lower Upper

64 100

66 34.4 25.3 37.9



#8

Dichlorotetrafluoroethane

Concen: 9.467 ppbv

RT: 3.20 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL034017.D

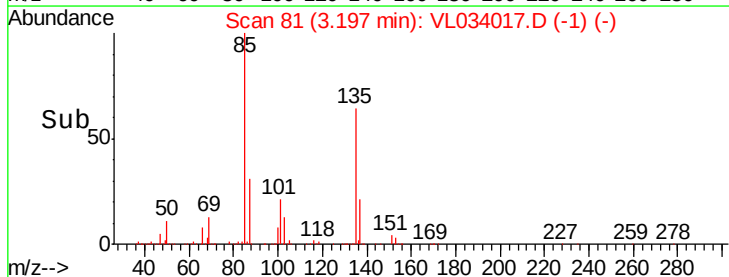
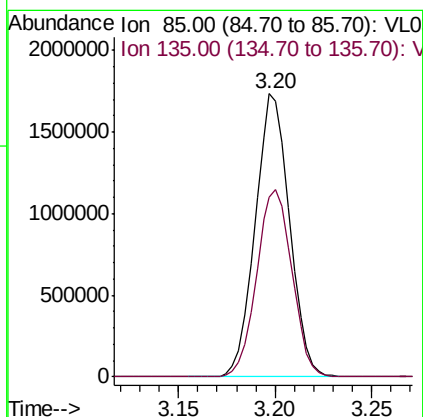
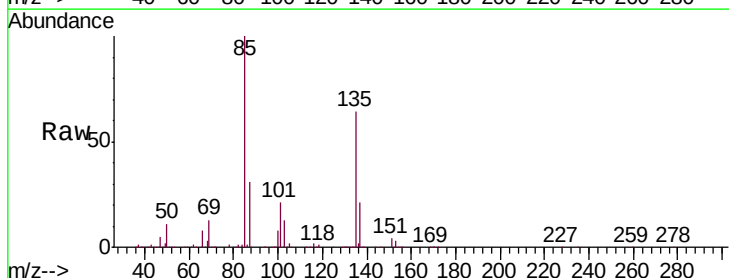
Acq: 11 Jul 2019 13:01

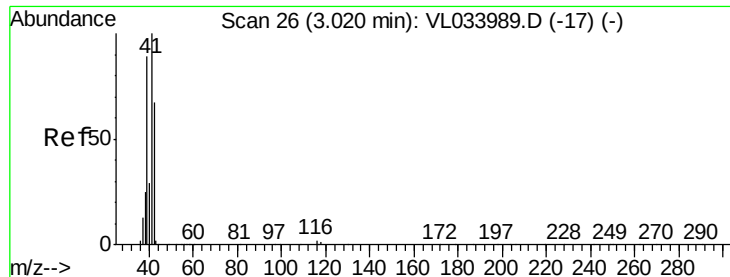
Tgt Ion: 85 Resp: 2148157

Ion Ratio Lower Upper

85 100

135 68.2 55.0 82.4





#9

Propene

Concen: 10.117 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

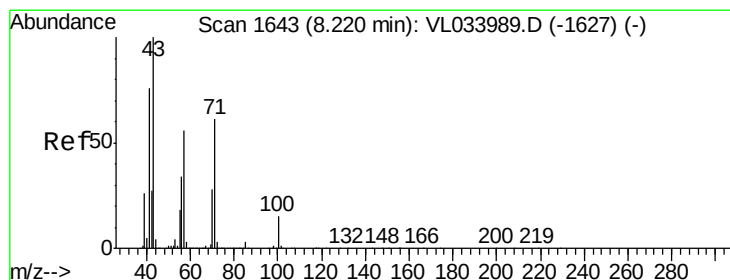
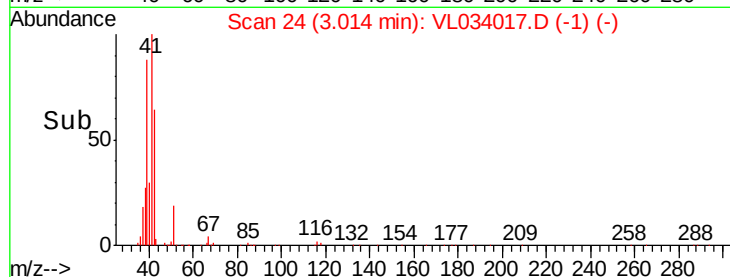
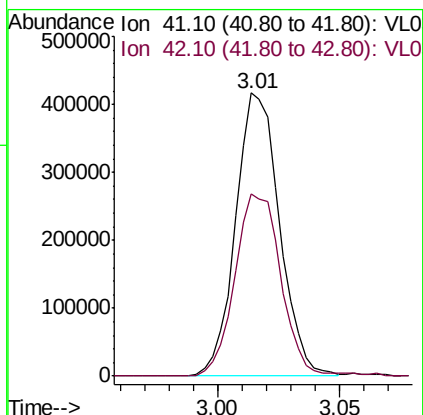
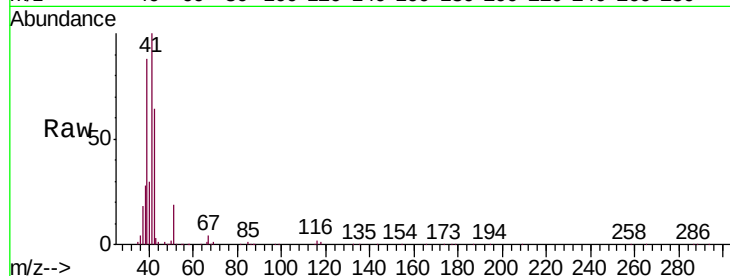
VSTDCCC010

Tgt Ion: 41 Resp: 518328

Ion Ratio Lower Upper

41 100

42 68.2 57.1 85.7



#10

Heptane

Concen: 11.471 ppbv

RT: 8.21 min Scan# 1640

Delta R.T. -0.01 min

Lab File: VL034017.D

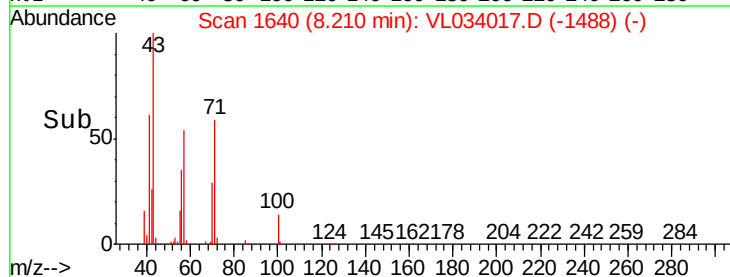
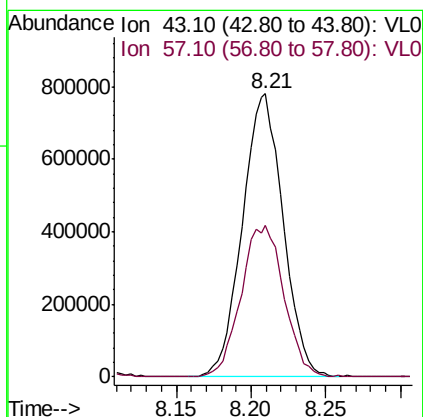
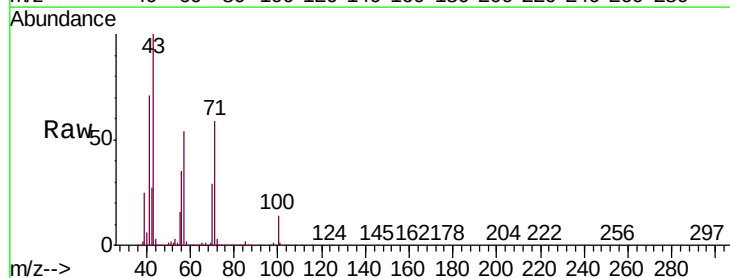
Acq: 11 Jul 2019 13:01

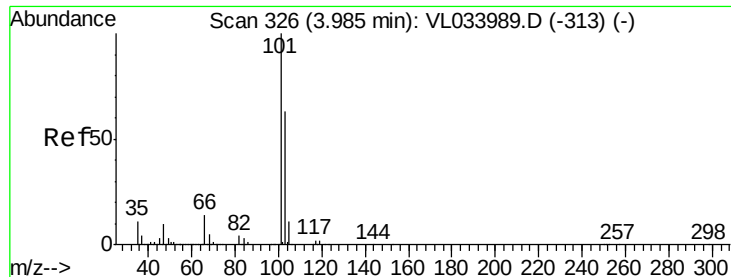
Tgt Ion: 43 Resp: 1471418

Ion Ratio Lower Upper

43 100

57 56.5 44.6 66.8

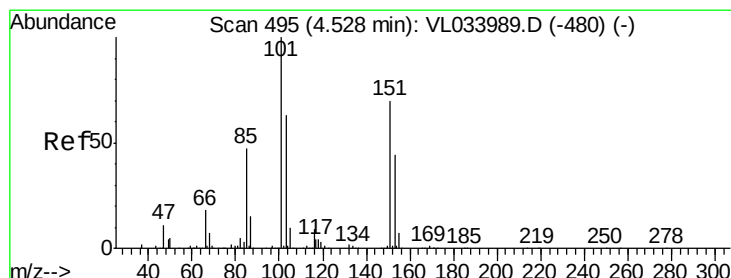
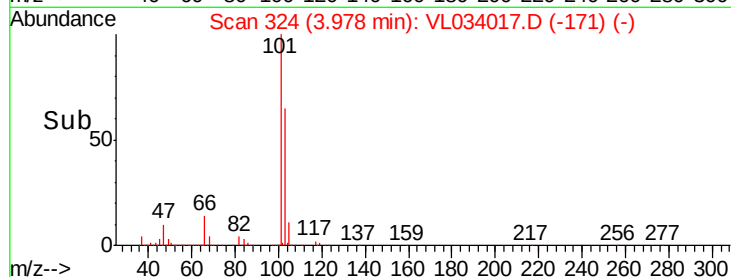
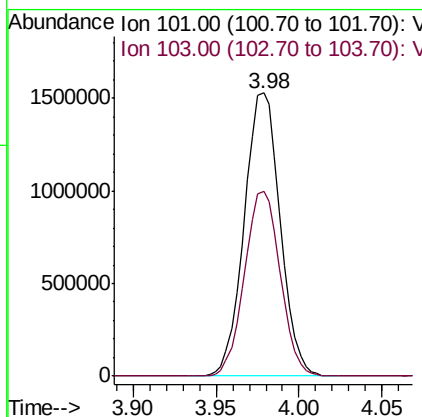
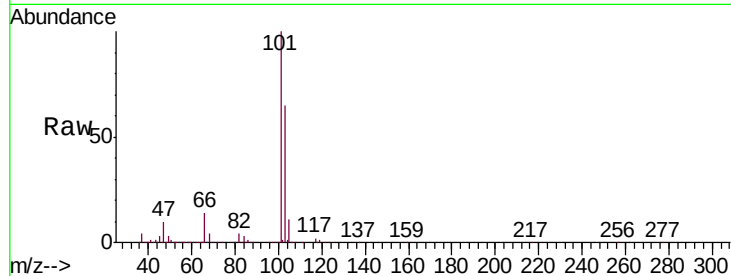




#11
 Trichlorofluoromethane
 Concen: 8.828 ppbv
 RT: 3.98 min Scan# 324
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

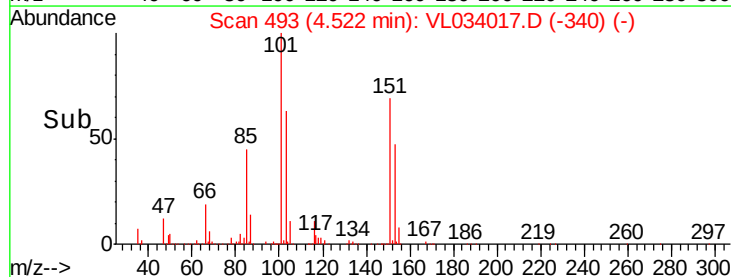
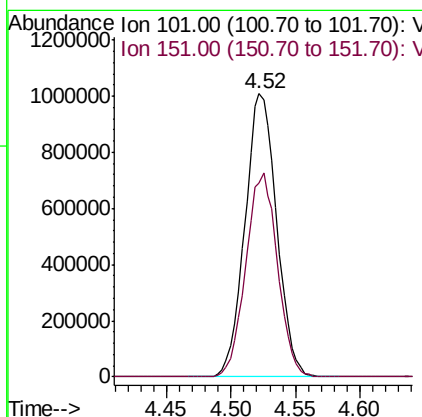
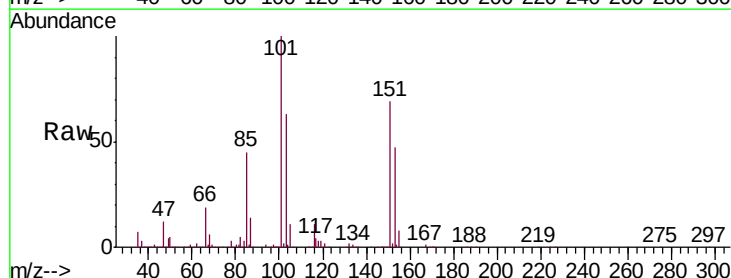
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

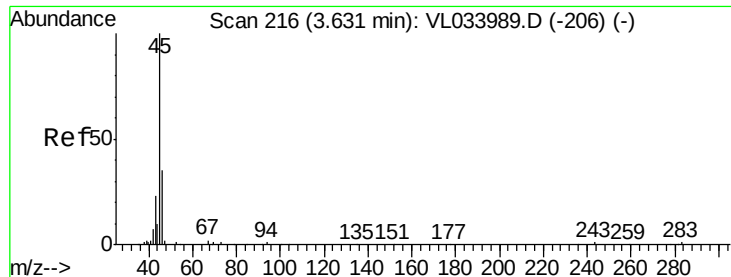
Tgt Ion:101 Resp: 2310351
 Ion Ratio Lower Upper
 101 100
 103 65.5 50.8 76.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.338 ppbv
 RT: 4.52 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion:101 Resp: 1729688
 Ion Ratio Lower Upper
 101 100
 151 72.2 59.0 88.4

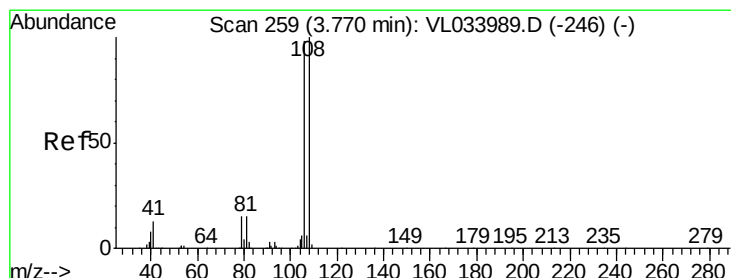
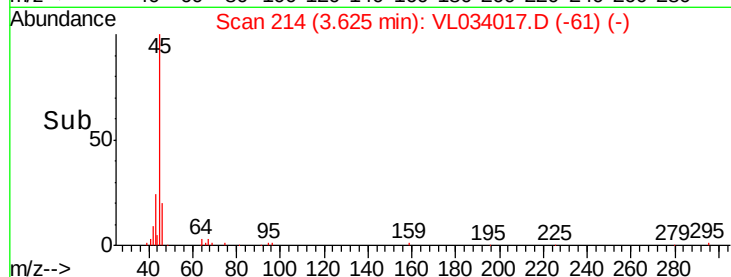
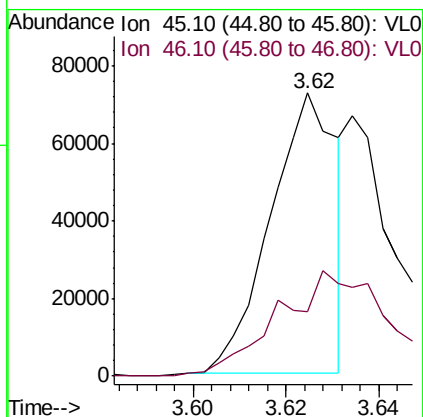
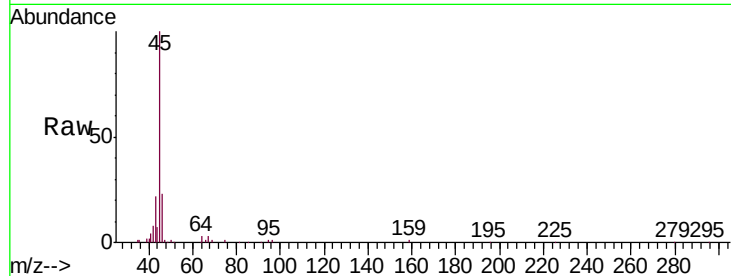




#13
Ethanol
Concen: 4.503 ppbv
RT: 3.62 min Scan# 214
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

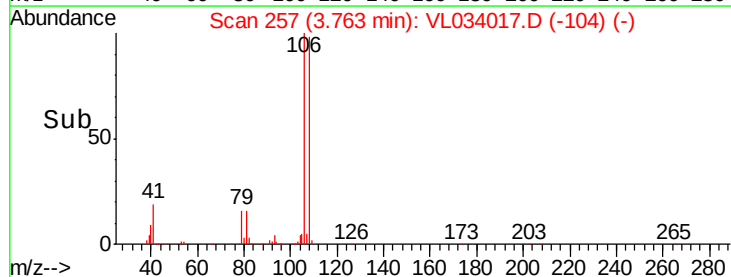
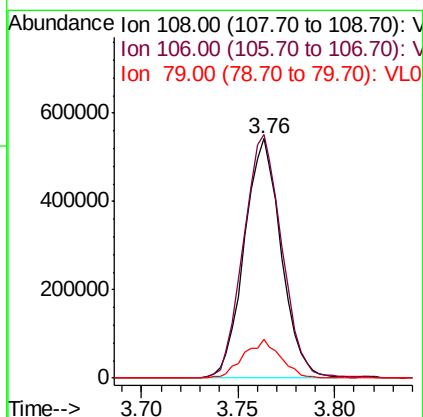
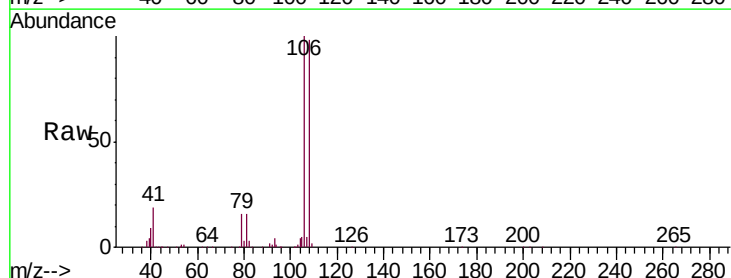
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

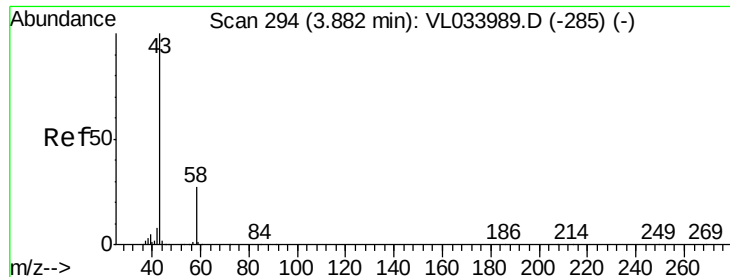
Tgt Ion: 45 Resp: 71665
Ion Ratio Lower Upper
45 100
46 69.5 16.2 64.6#



#14
Bromoethene
Concen: 10.440 ppbv
RT: 3.76 min Scan# 257
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 108 Resp: 722203
Ion Ratio Lower Upper
108 100
106 106.0 85.6 128.4
79 16.4 14.0 21.0





#15

Acetone

Concen: 8.241 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

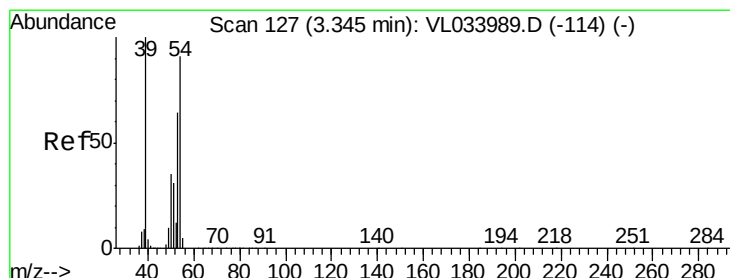
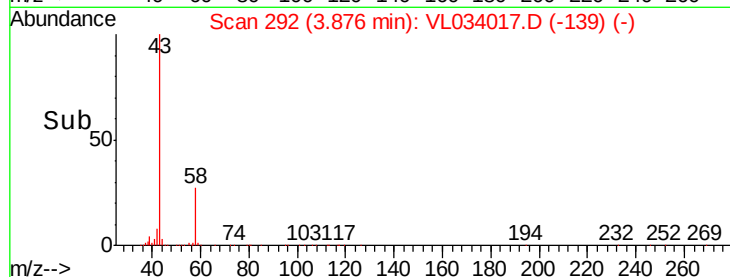
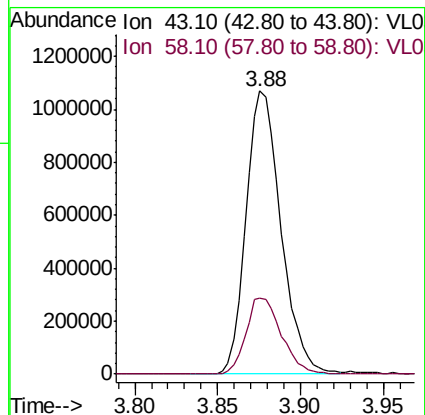
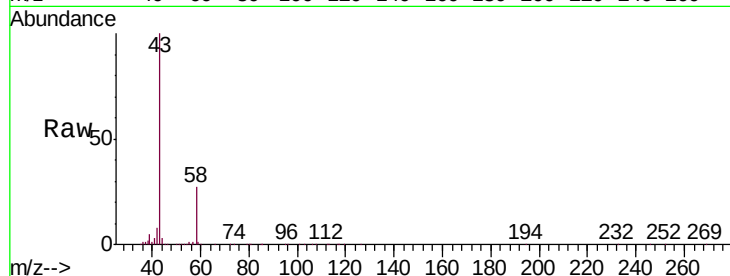
VSTDCCC010

Tgt Ion: 43 Resp: 1562692

Ion Ratio Lower Upper

43 100

58 27.5 21.4 32.0



#16

1,3-Butadiene

Concen: 10.373 ppbv

RT: 3.34 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL034017.D

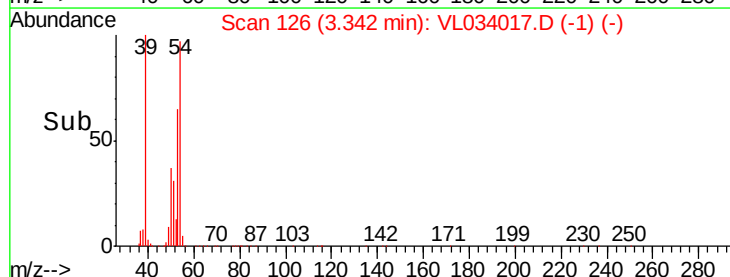
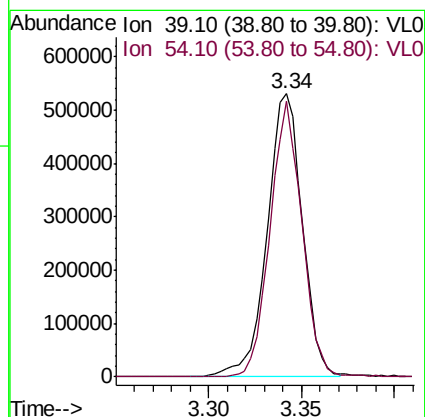
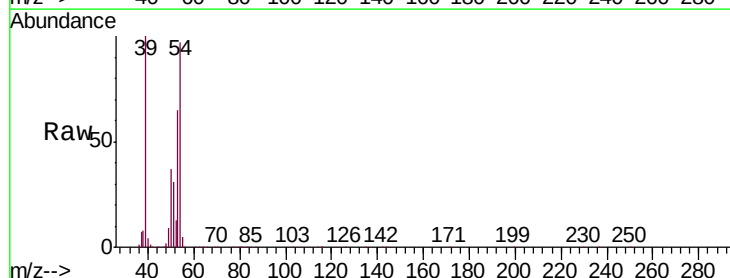
Acq: 11 Jul 2019 13:01

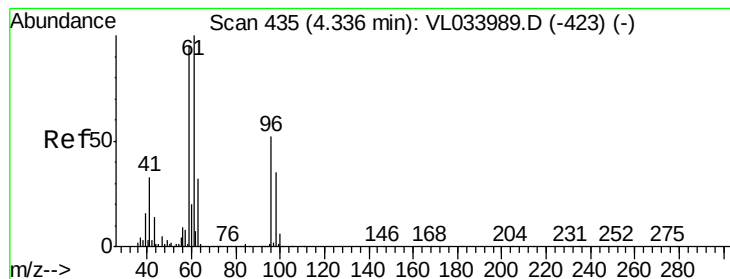
Tgt Ion: 39 Resp: 694539

Ion Ratio Lower Upper

39 100

54 88.8 71.4 107.2





#17

tert-Butyl alcohol

Concen: 8.625 ppbv

RT: 4.33 min Scan# 433

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

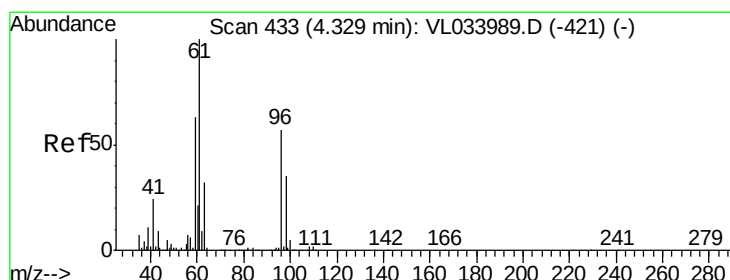
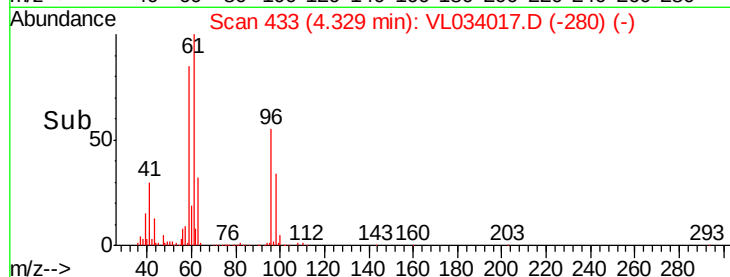
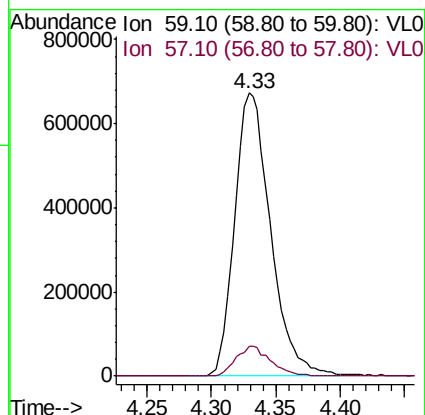
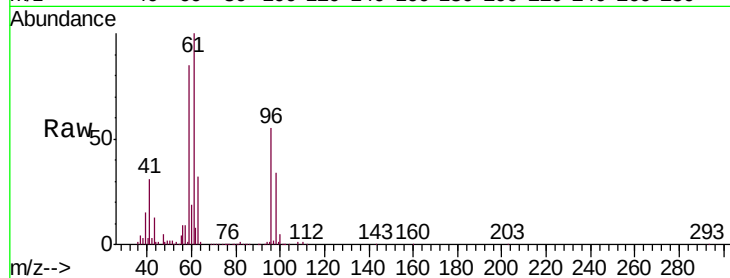
VSTDCCC010

Tgt Ion: 59 Resp: 1303820

Ion Ratio Lower Upper

59 100

57 10.5 8.2 12.2



#18

1,1-Dichloroethene

Concen: 9.302 ppbv

RT: 4.33 min Scan# 432

Delta R.T. -0.00 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

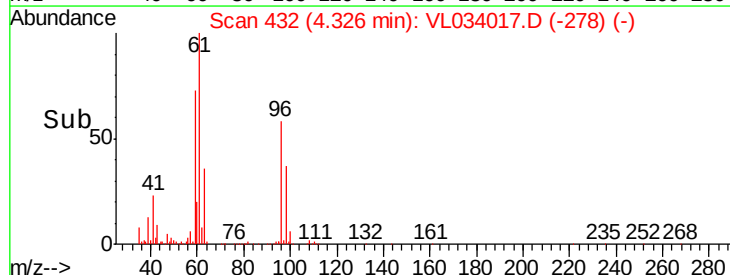
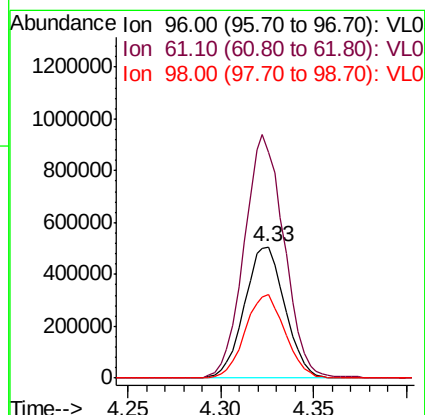
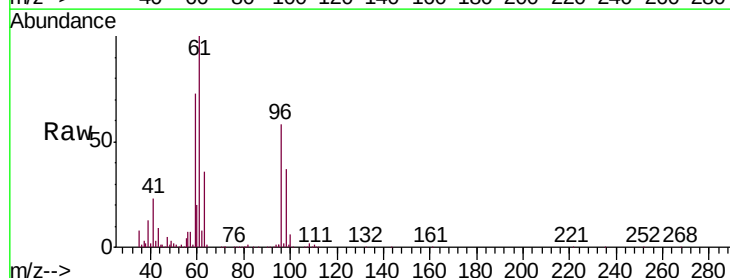
Tgt Ion: 96 Resp: 767437

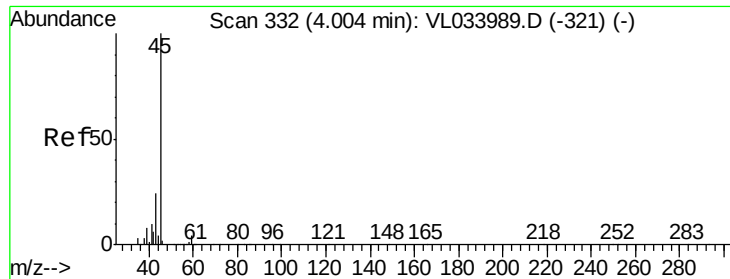
Ion Ratio Lower Upper

96 100

61 171.8 139.4 209.0

98 63.5 49.4 74.0



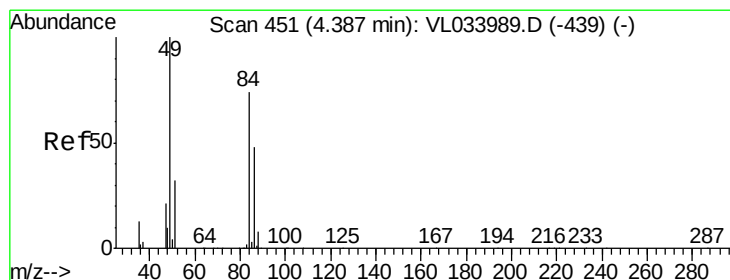
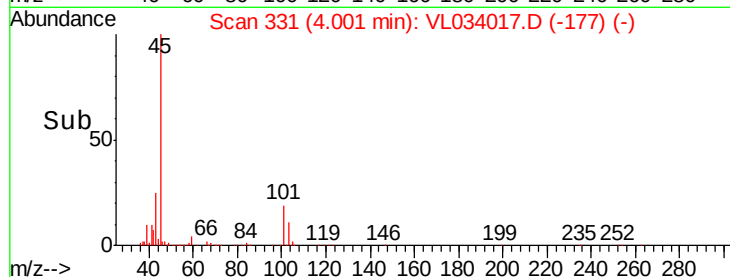
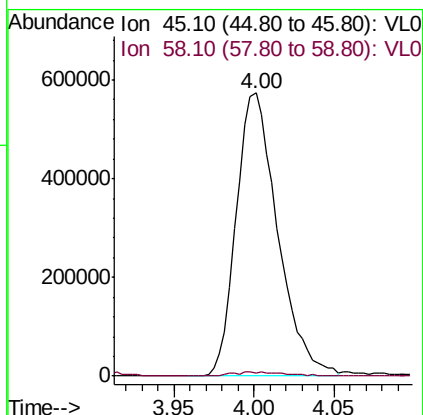
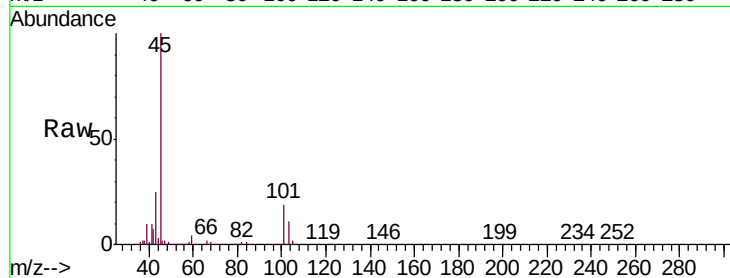


#19

Isopropyl Alcohol
 Concen: 7.947 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

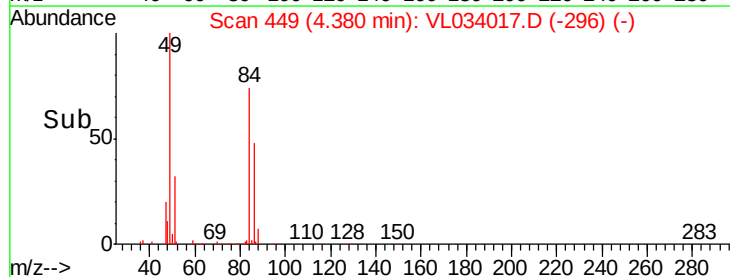
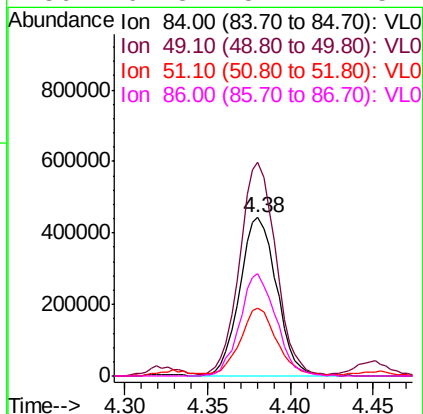
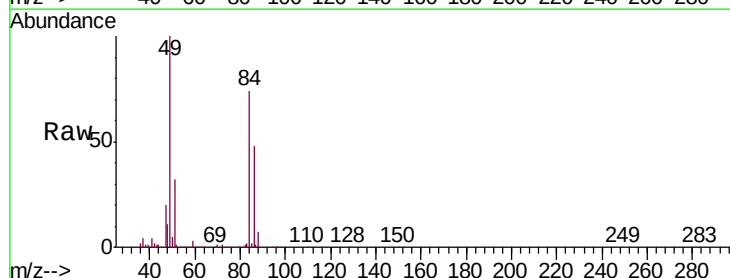
Tgt Ion: 45 Resp: 1011439
 Ion Ratio Lower Upper
 45 100
 58 2.4 1.7 2.5

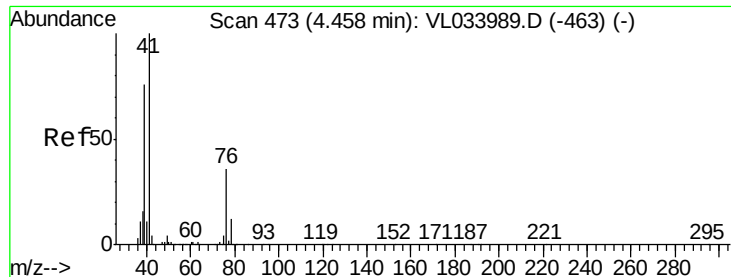


#20

Methylene Chloride
 Concen: 8.262 ppbv
 RT: 4.38 min Scan# 449
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion: 84 Resp: 683215
 Ion Ratio Lower Upper
 84 100
 49 133.8 107.6 161.4
 51 42.7 35.0 52.6
 86 64.3 52.1 78.1

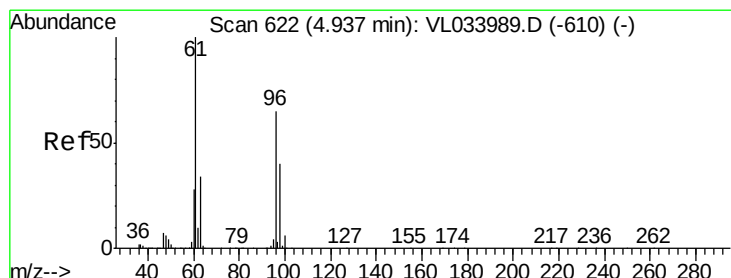
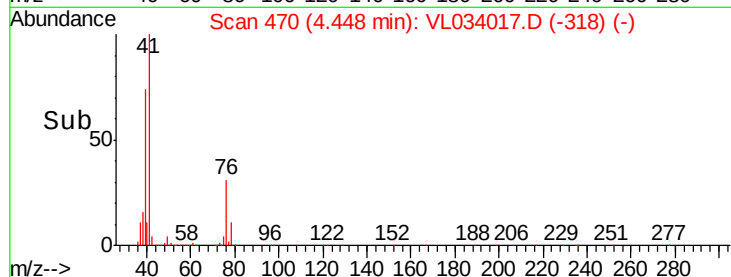
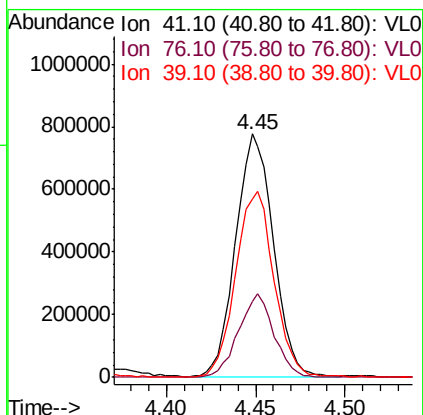
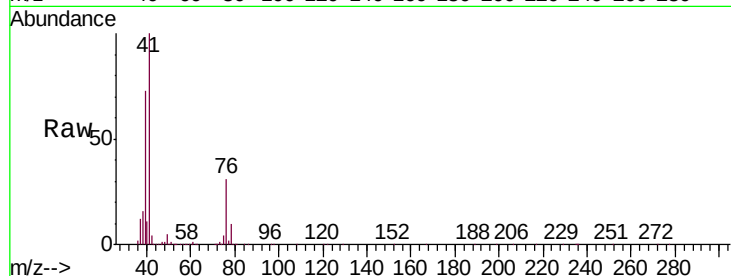




#21
 Allyl Chloride
 Concen: 9.656 ppbv
 RT: 4.45 min Scan# 470
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

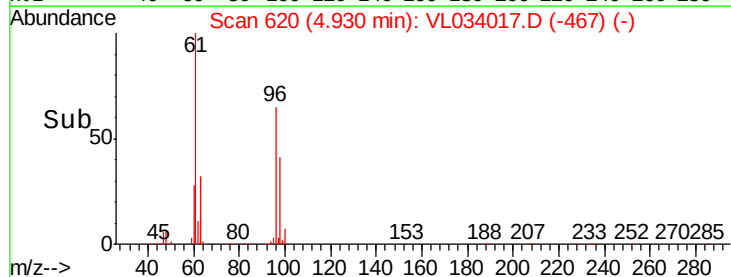
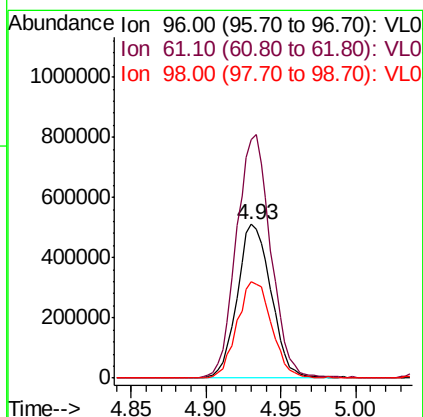
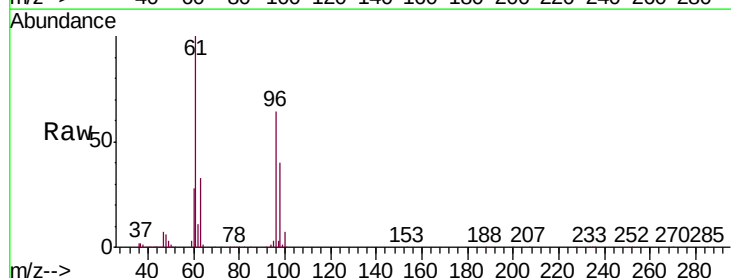
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

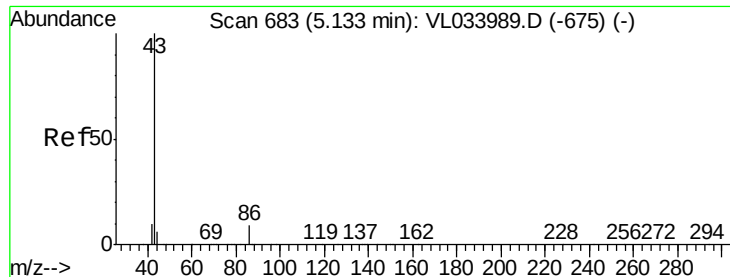
Tgt Ion: 41 Resp: 1141631
 Ion Ratio Lower Upper
 41 100
 76 32.7 26.8 40.2
 39 78.7 63.1 94.7



#22
 trans-1,2-Dichloroethene
 Concen: 10.280 ppbv
 RT: 4.93 min Scan# 620
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion: 96 Resp: 808179
 Ion Ratio Lower Upper
 96 100
 61 155.4 122.9 184.3
 98 62.8 49.6 74.4





#23

Vinyl Acetate

Concen: 11.482 ppbv

RT: 5.12 min Scan# 680

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2172972

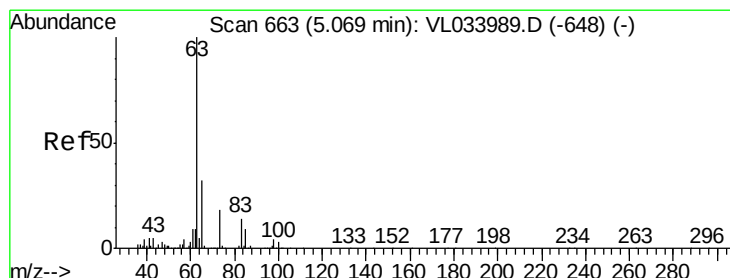
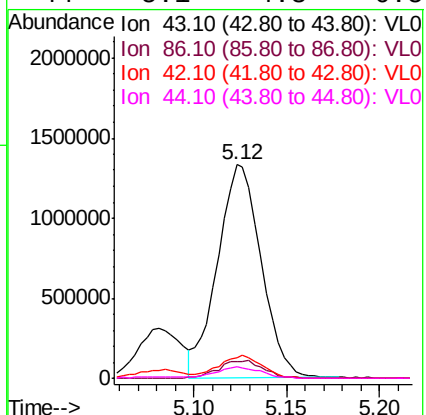
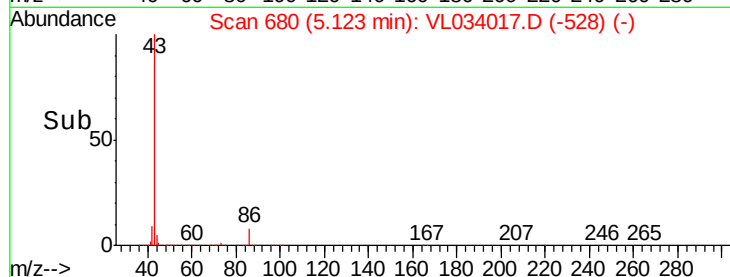
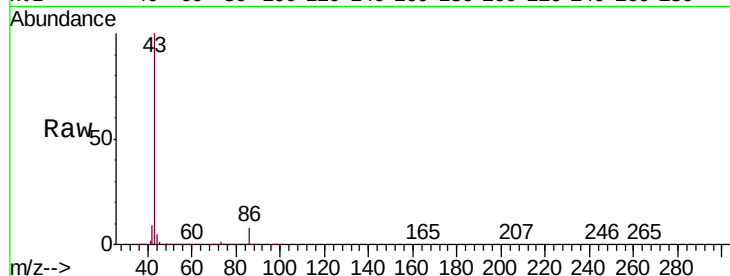
Ion Ratio Lower Upper

43 100

86 7.7 6.6 9.8

42 9.4 8.3 12.5

44 5.1 4.3 6.5



#24

1,1-Dichloroethane

Concen: 10.315 ppbv

RT: 5.06 min Scan# 660

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

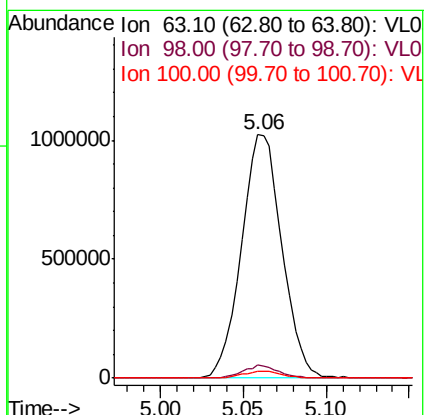
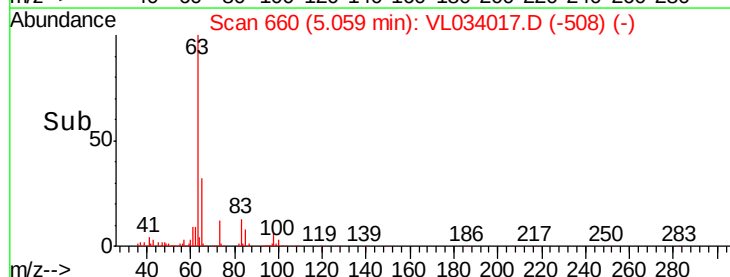
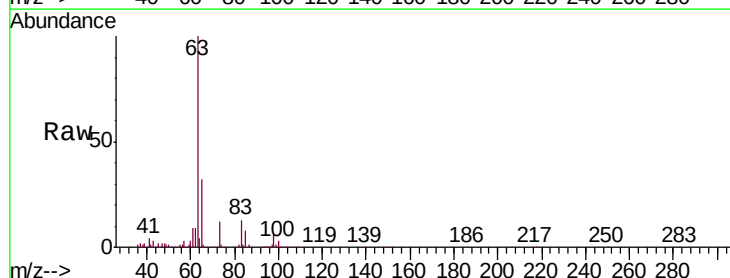
Tgt Ion: 63 Resp: 1730144

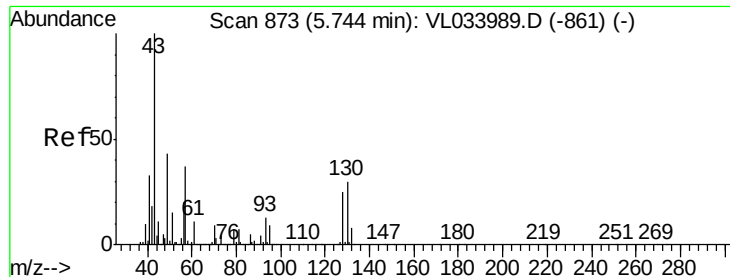
Ion Ratio Lower Upper

63 100

98 5.5 2.2 6.6

100 2.9 1.4 4.2



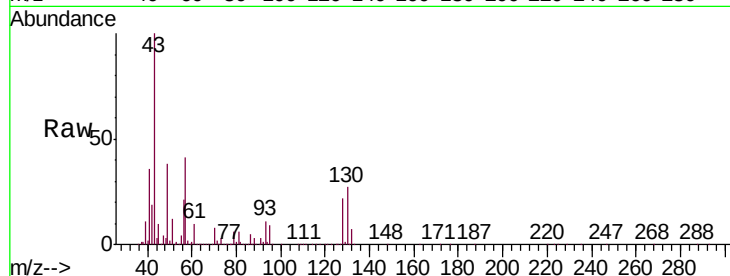


#25
Ethyl Acetate
Concen: 10.613 ppbv
RT: 5.74 min Scan# 871
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2752374

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.1	12.1
61	10.4	8.1	12.1
70	8.1	6.3	9.5



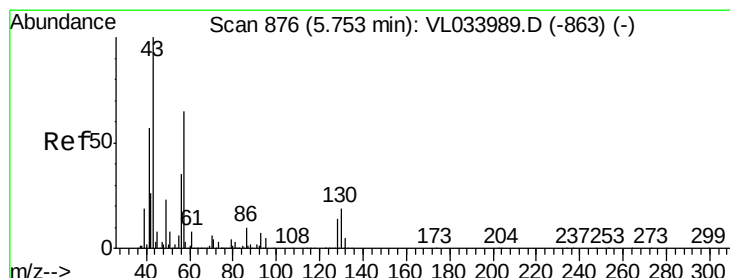
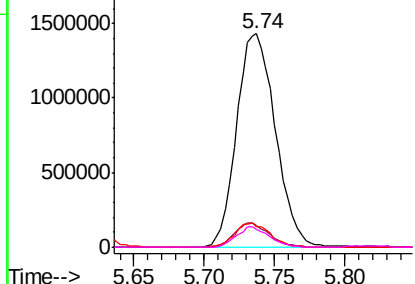
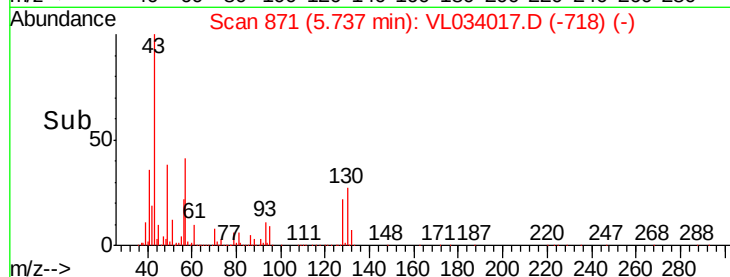
Abundance

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

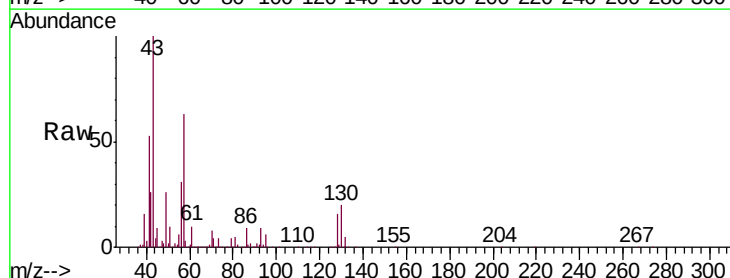
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.685 ppbv
RT: 5.74 min Scan# 873
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 57 Resp: 1268116

Ion	Ratio	Lower	Upper
57	100		
41	86.5	70.6	105.8
43	217.6	177.6	266.4
56	52.4	42.6	64.0



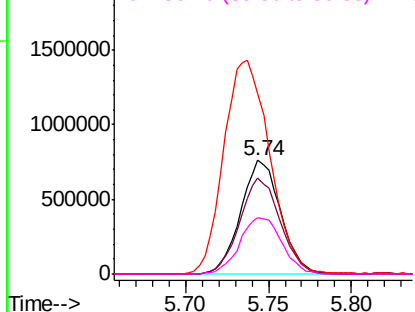
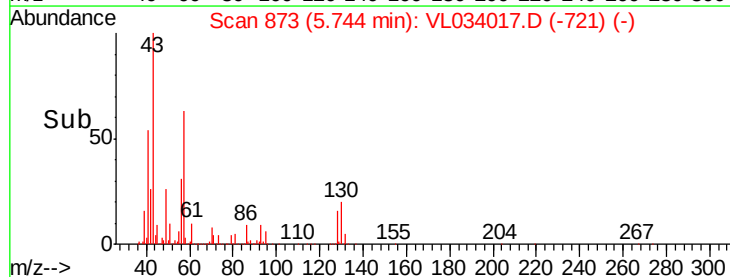
Abundance

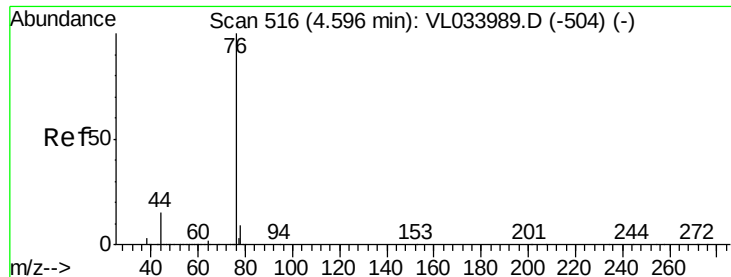
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.386 ppbv

RT: 4.59 min Scan# 514

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

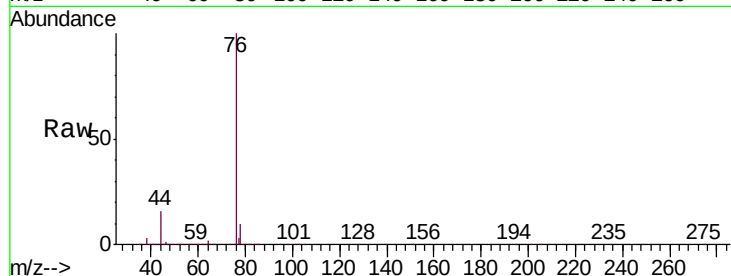
Tgt Ion: 76 Resp: 2095423

Ion Ratio Lower Upper

76 100

44 15.6 12.6 18.8

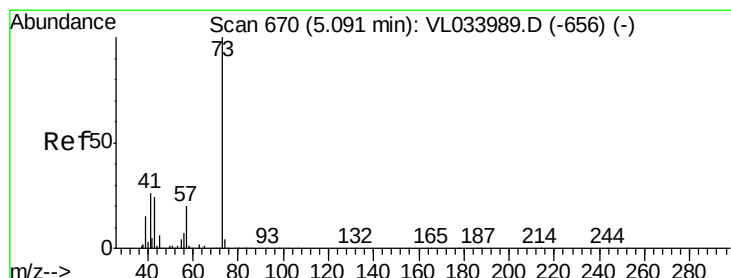
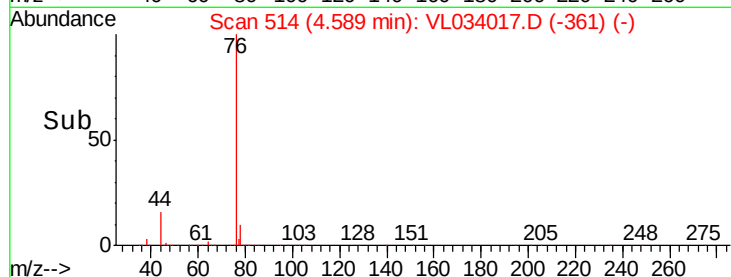
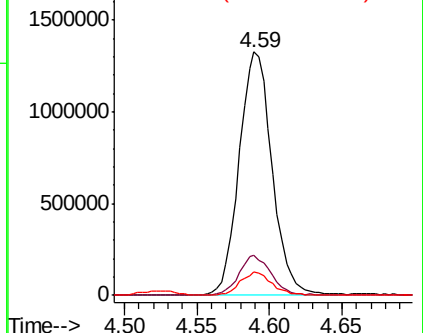
78 9.3 7.2 10.8



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: 11.182 ppbv

RT: 5.08 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL034017.D

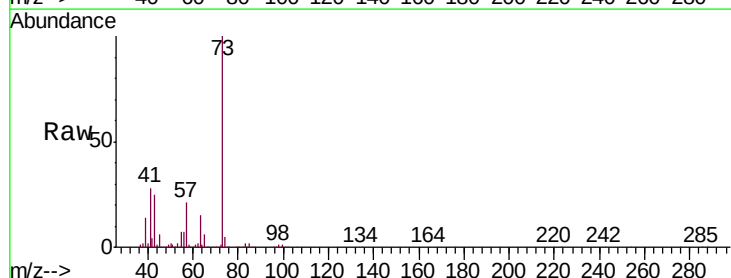
Acq: 11 Jul 2019 13:01

Tgt Ion: 73 Resp: 2247338

Ion Ratio Lower Upper

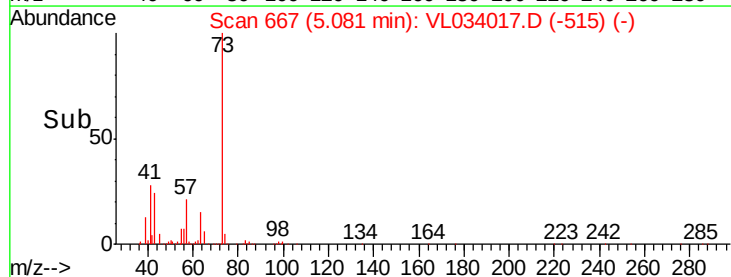
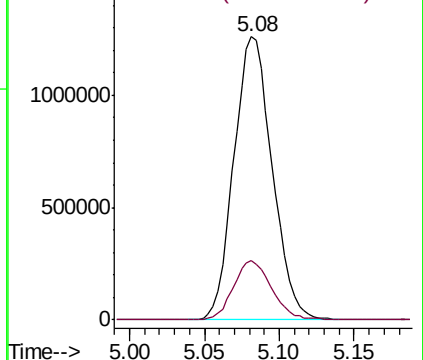
73 100

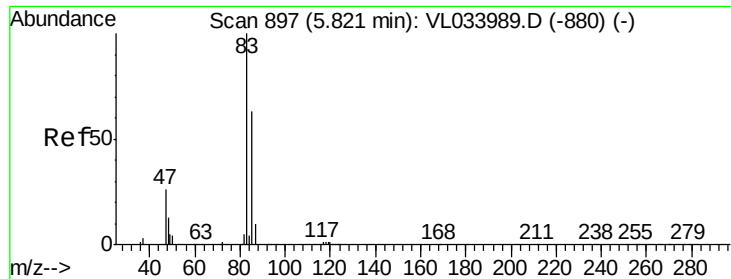
57 21.0 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

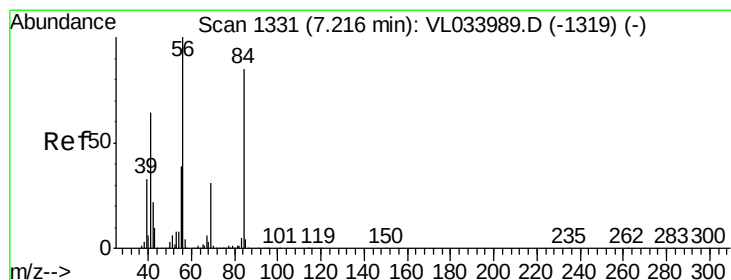
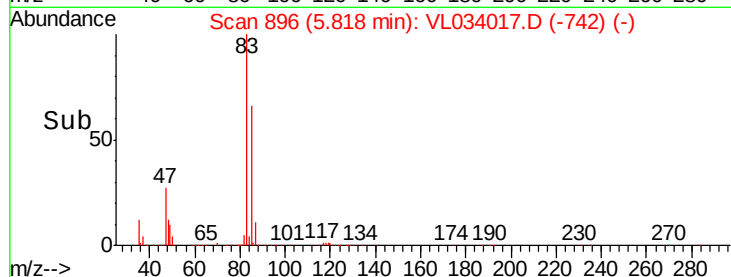
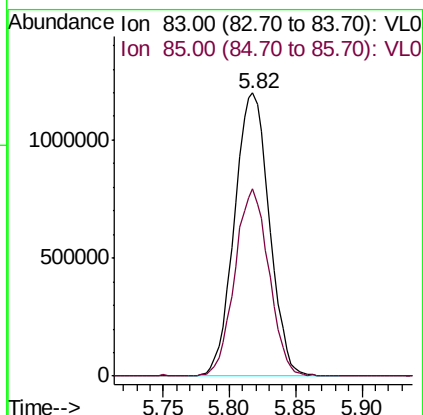
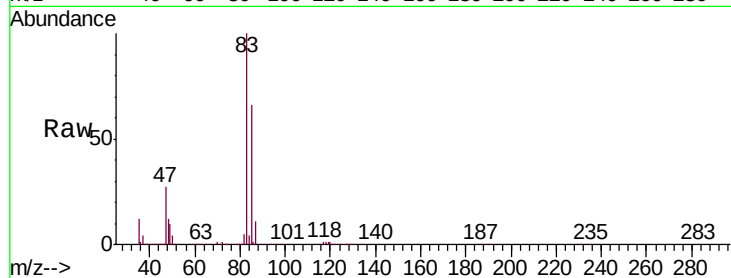




#29
Chloroform
Concen: 9.840 ppbv
RT: 5.82 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

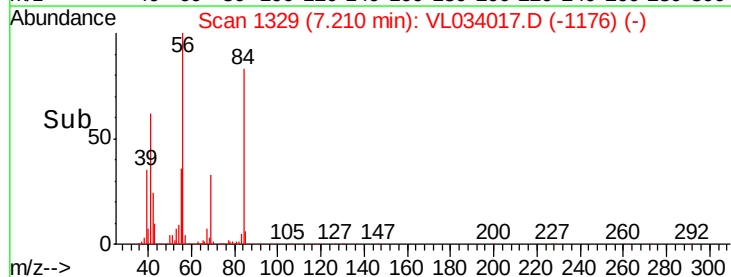
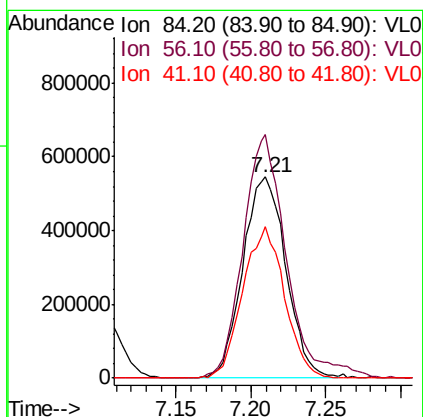
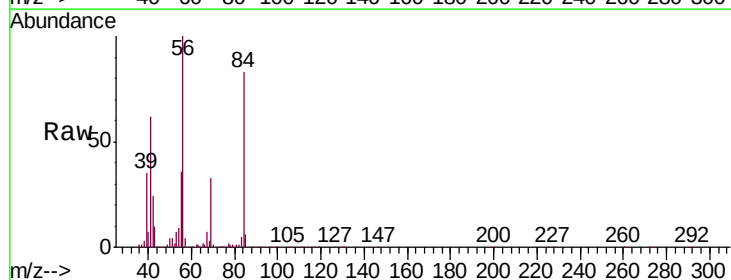
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

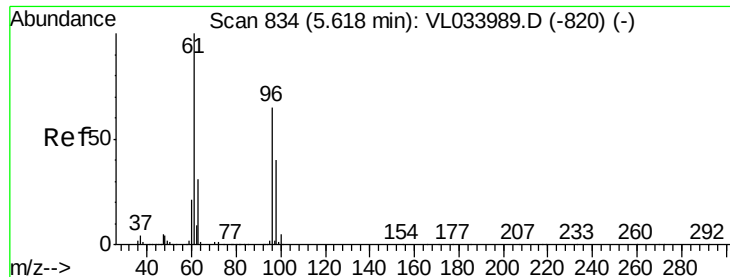
Tgt Ion: 83 Resp: 2194598
Ion Ratio Lower Upper
83 100
85 66.1 50.6 75.8



#30
Cyclohexane
Concen: 11.947 ppbv
RT: 7.21 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 84 Resp: 1095010
Ion Ratio Lower Upper
84 100
56 122.1 103.7 155.5
41 72.9 62.6 94.0



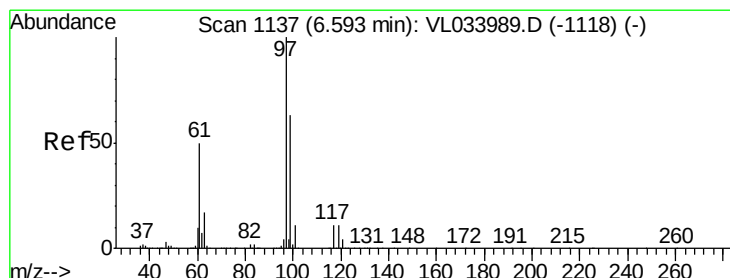
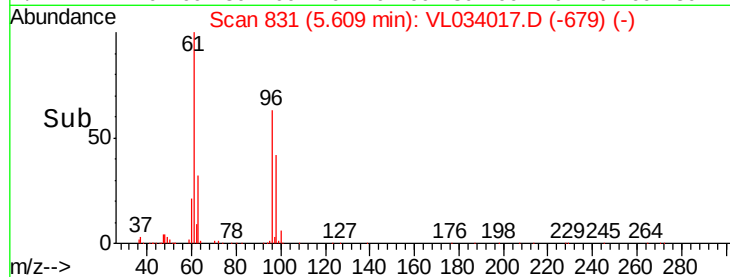
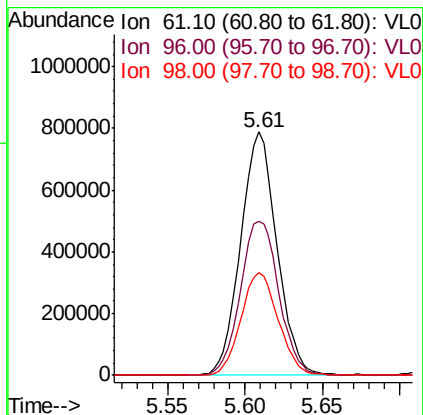
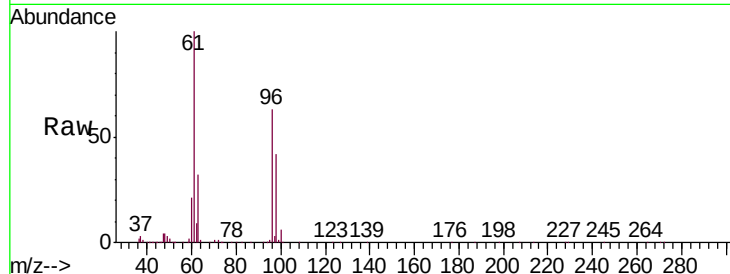


#31

cis-1,2-Dichloroethene
 Concen: 11.230 ppbv
 RT: 5.61 min Scan# 831
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

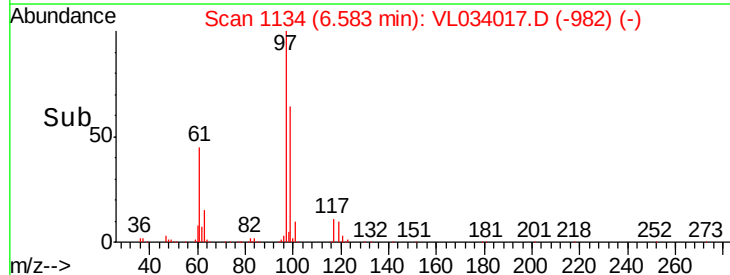
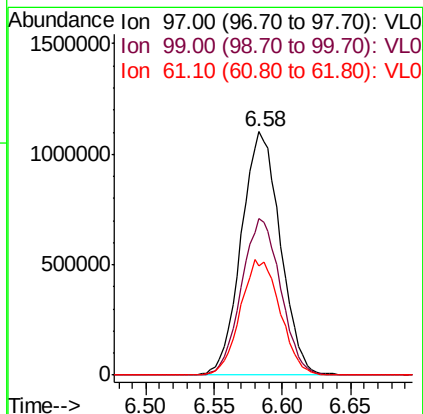
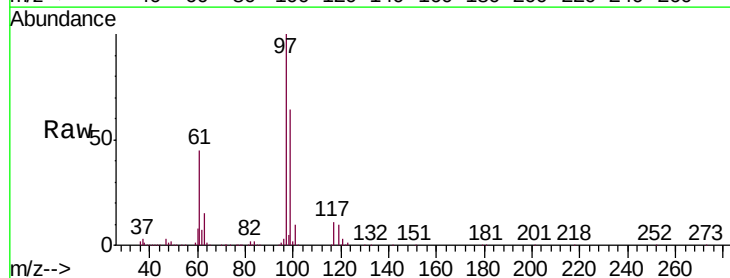
Tgt Ion: 61 Resp: 1287613
 Ion Ratio Lower Upper
 61 100
 96 63.3 51.8 77.6
 98 42.1 32.1 48.1

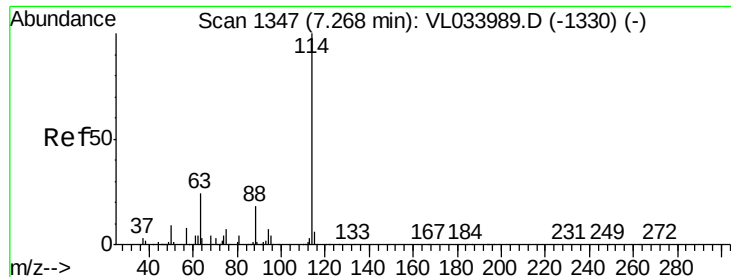


#32

1,1,1-Trichloroethane
 Concen: 9.686 ppbv
 RT: 6.58 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion: 97 Resp: 2189470
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.9 77.9
 61 48.3 39.8 59.8

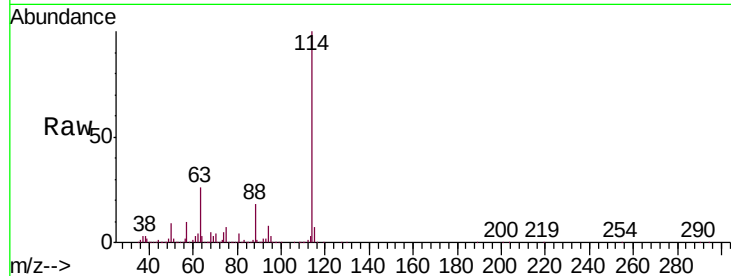




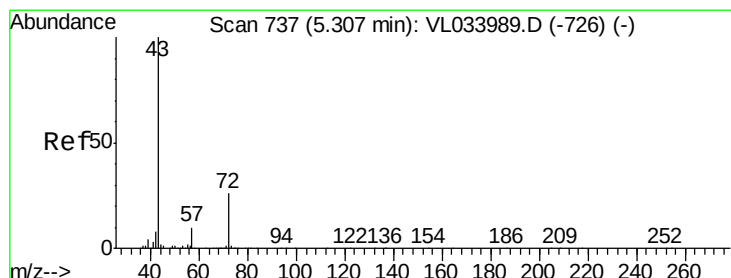
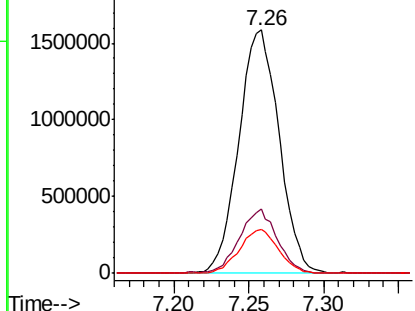
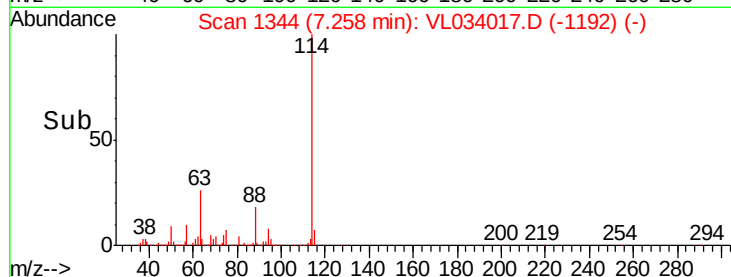
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1344
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 2968645
 Ion Ratio Lower Upper
 114 100
 63 25.1 20.2 30.2
 88 17.6 14.1 21.1

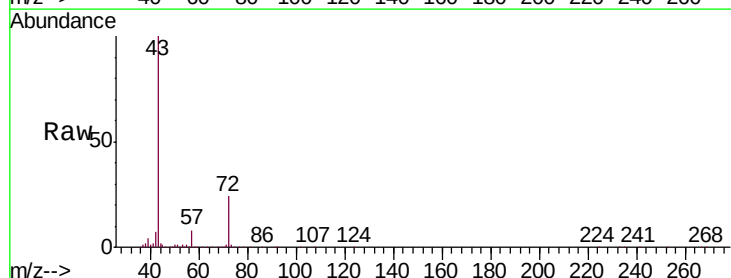


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

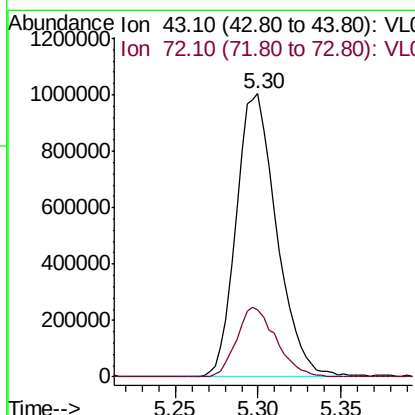
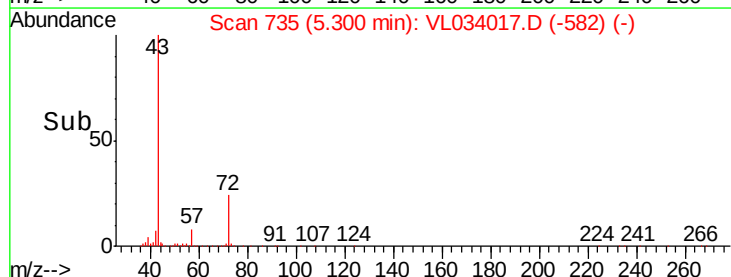


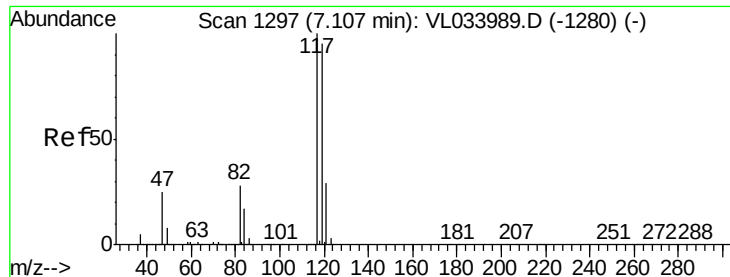
#34
 2-Butanone
 Concen: 10.810 ppbv
 RT: 5.30 min Scan# 735
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion: 43 Resp: 1698456
 Ion Ratio Lower Upper
 43 100
 72 24.6 19.9 29.9



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





#35

Carbon Tetrachloride

Concen: 9.790 ppbv

RT: 7.10 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

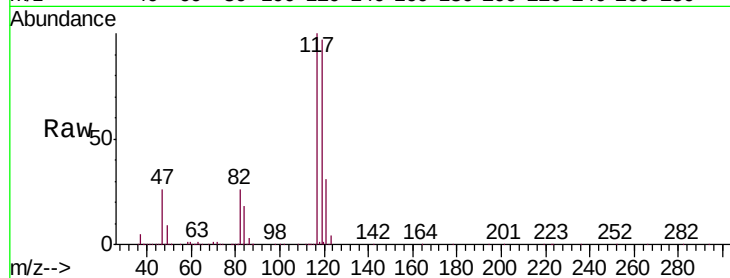
Tgt Ion: 117 Resp: 2300679

Ion Ratio Lower Upper

117 100

119 96.6 75.8 113.6

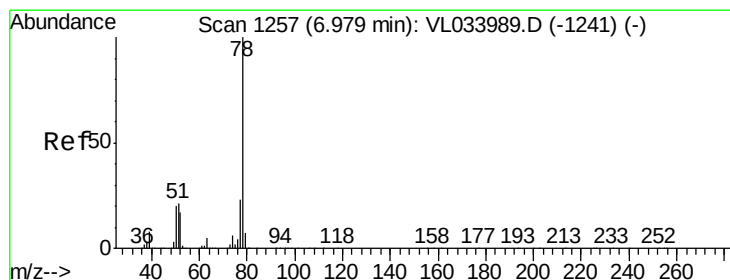
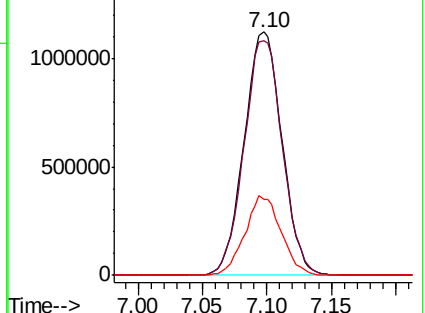
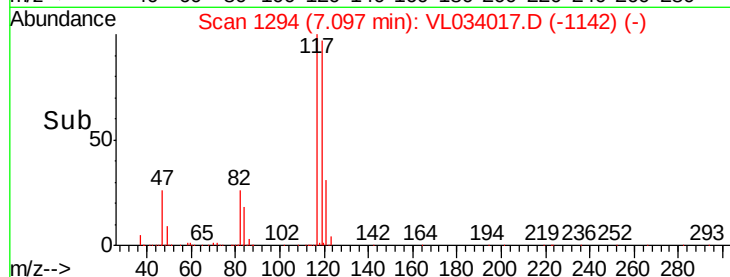
121 31.4 23.4 35.2



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: 11.066 ppbv

RT: 6.97 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

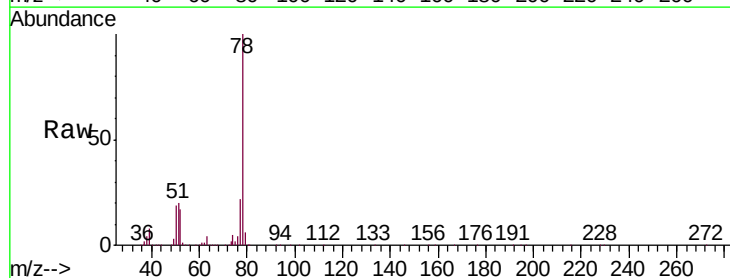
Tgt Ion: 78 Resp: 2570560

Ion Ratio Lower Upper

78 100

77 21.9 18.7 28.1

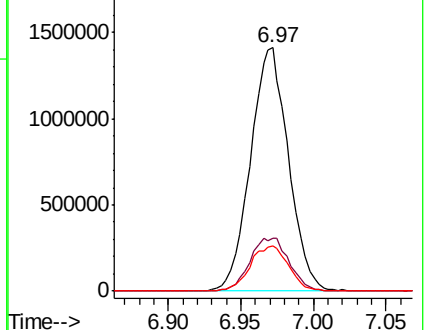
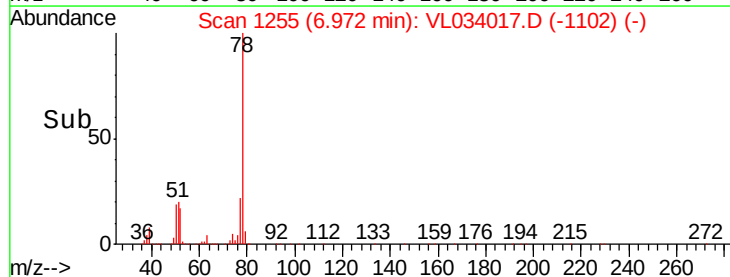
50 18.6 16.2 24.2

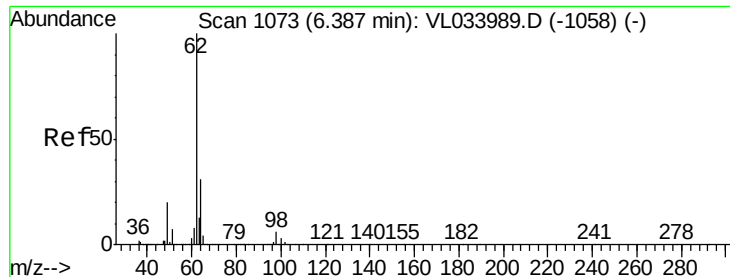


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 9.817 ppbv

RT: 6.38 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

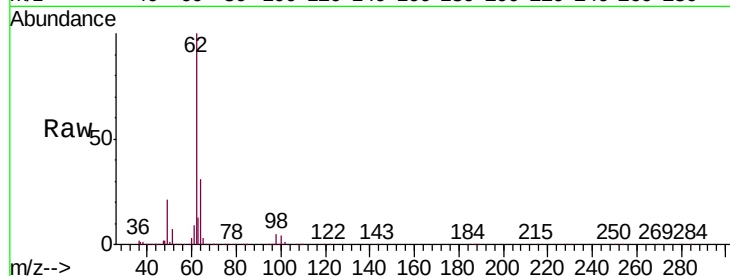
VSTDCCC010

Tgt Ion: 62 Resp: 1679925

Ion Ratio Lower Upper

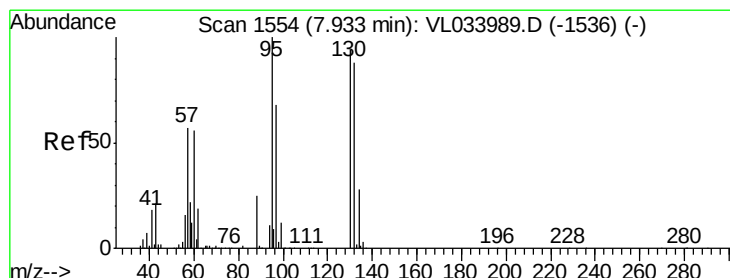
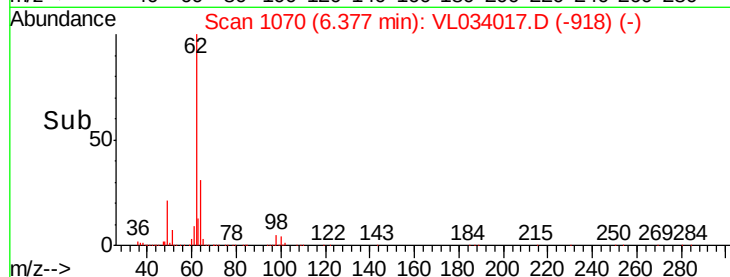
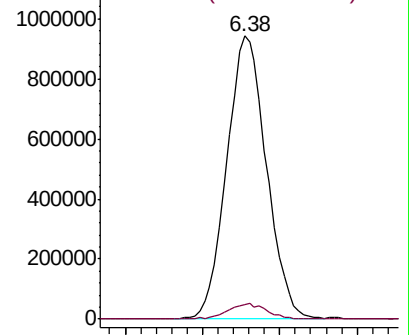
62 100

98 5.5 4.4 6.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 10.789 ppbv

RT: 7.92 min Scan# 1551

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Tgt Ion: 130 Resp: 1115114

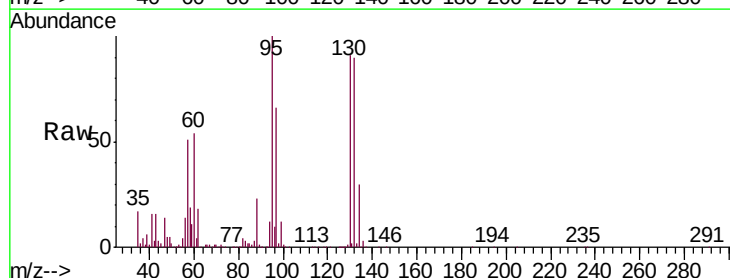
Ion Ratio Lower Upper

130 100

95 110.5 85.5 128.3

132 99.5 75.1 112.7

97 72.9 58.1 87.1

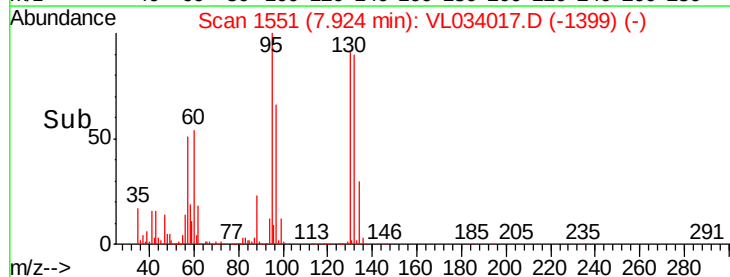
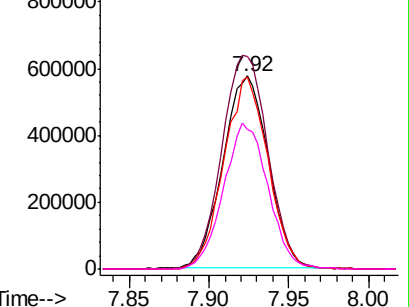


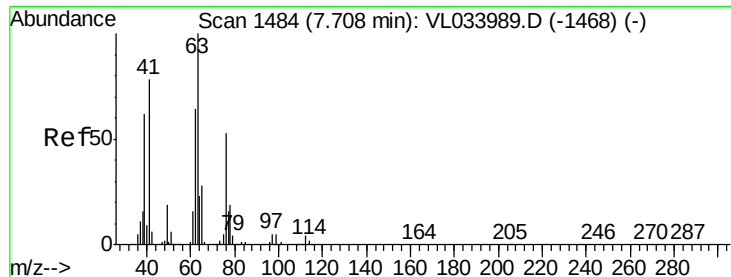
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.556 ppbv

RT: 7.70 min Scan# 1481

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

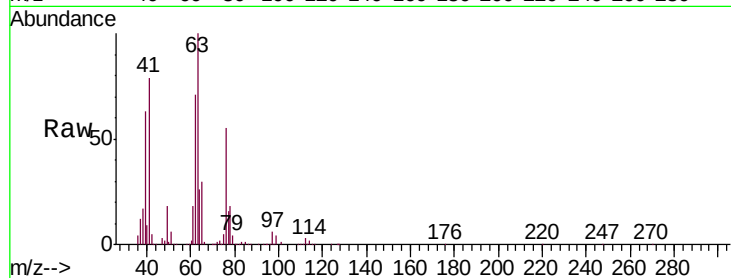
Tgt Ion: 63 Resp: 911772

Ion Ratio Lower Upper

63 100

41 79.2 62.3 93.5

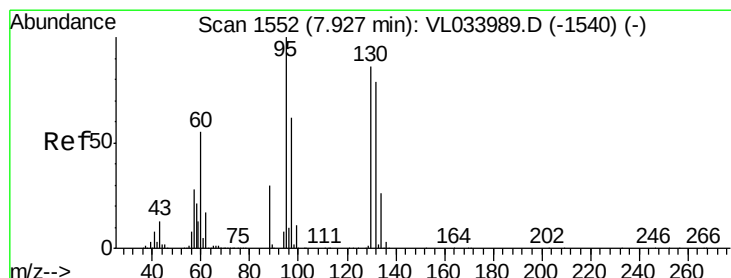
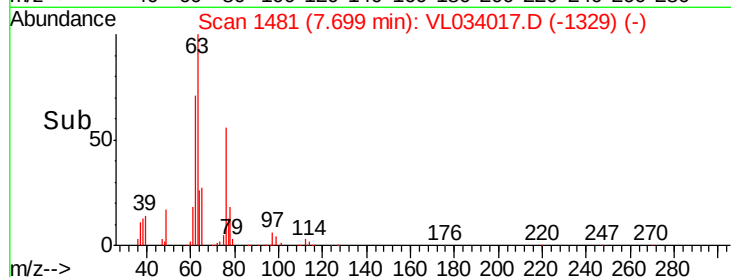
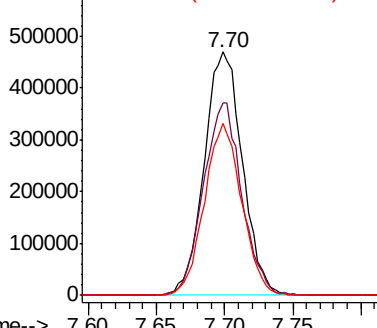
62 70.8 51.4 77.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.415 ppbv

RT: 7.91 min Scan# 1548

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Tgt Ion: 88 Resp: 375463

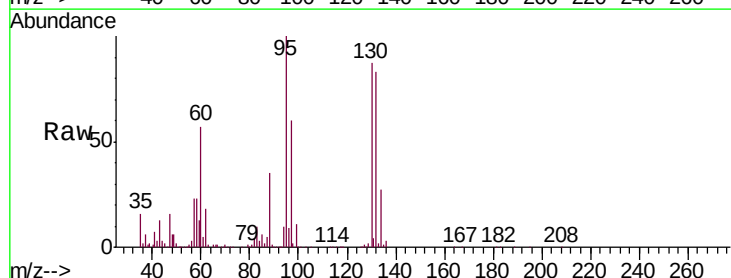
Ion Ratio Lower Upper

88 100

58 127.7 99.1 148.7

43 0.0 0.0 0.0

57 0.0 0.0 0.0

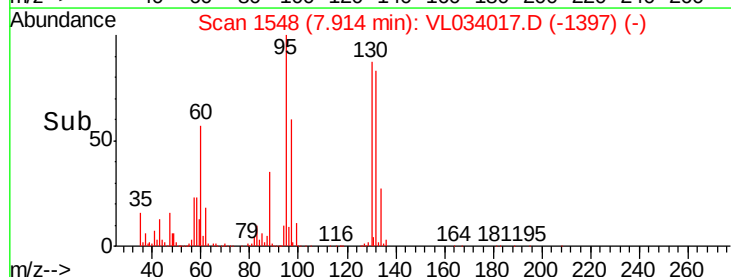
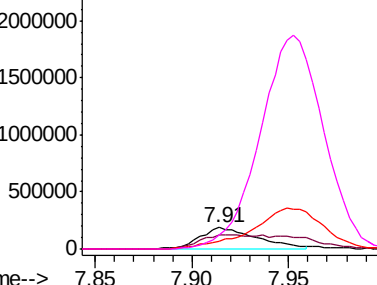


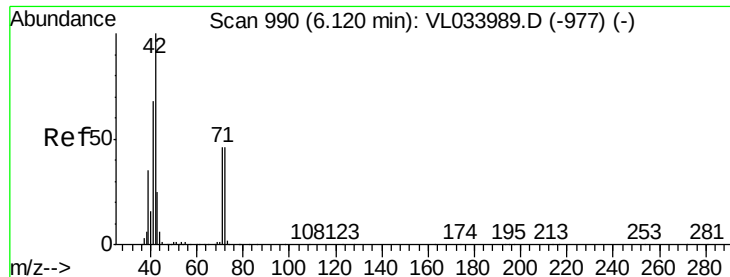
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.516 ppbv

RT: 6.11 min Scan# 988

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

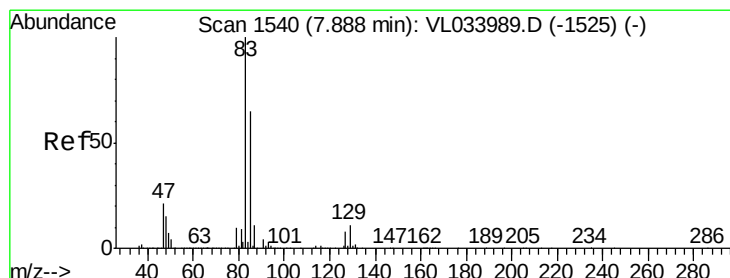
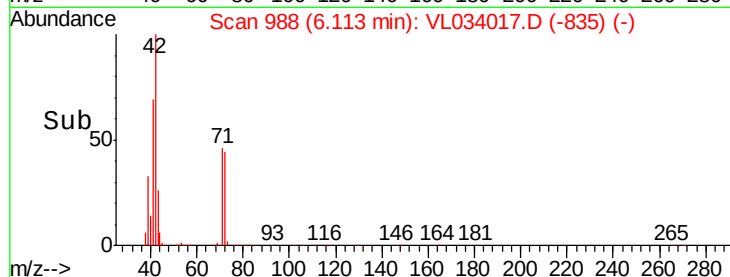
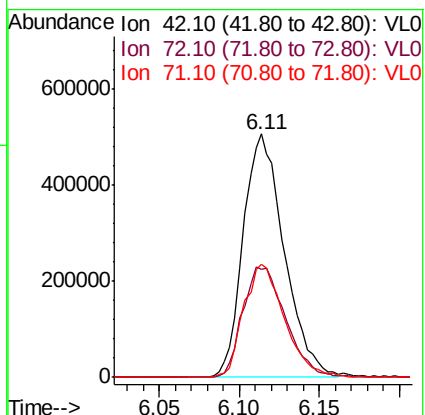
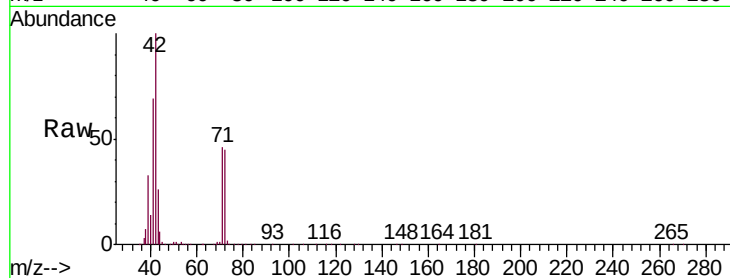
Tgt Ion: 42 Resp: 887336

Ion Ratio Lower Upper

42 100

72 47.7 37.3 55.9

71 46.5 36.2 54.2



#42

Bromodichloromethane

Concen: 10.284 ppbv

RT: 7.88 min Scan# 1537

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

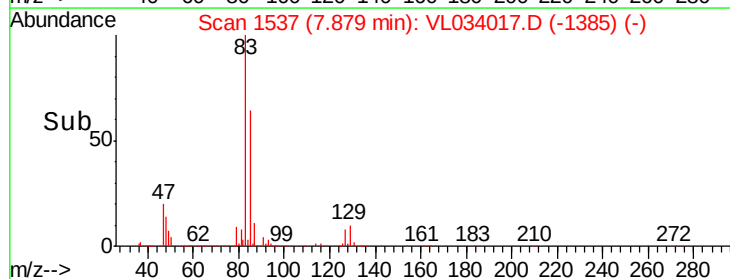
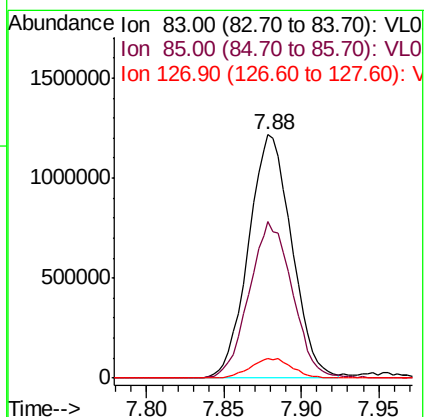
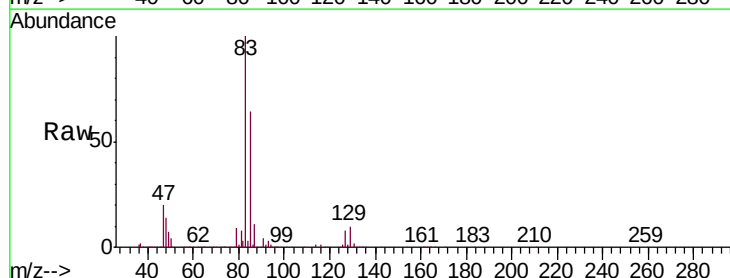
Tgt Ion: 83 Resp: 2361201

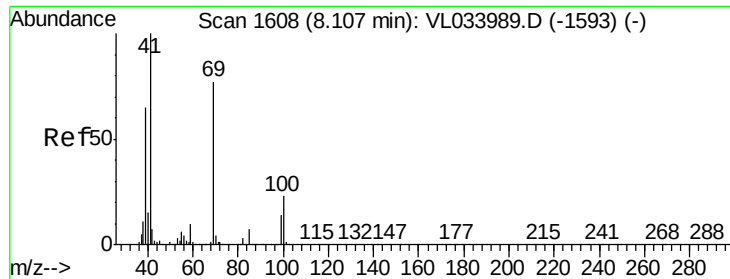
Ion Ratio Lower Upper

83 100

85 64.4 51.8 77.8

127 7.8 6.5 9.7

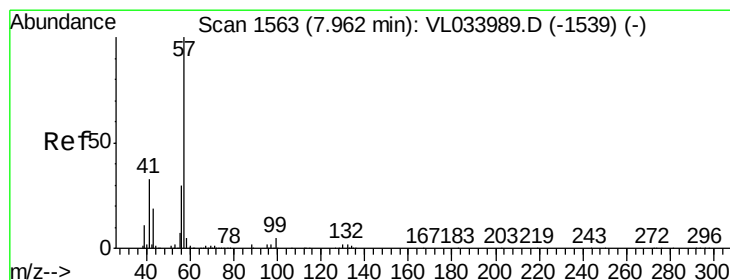
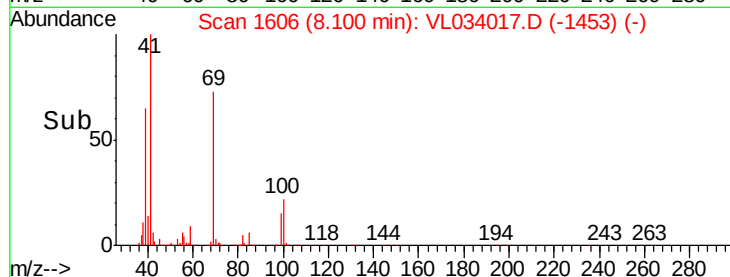
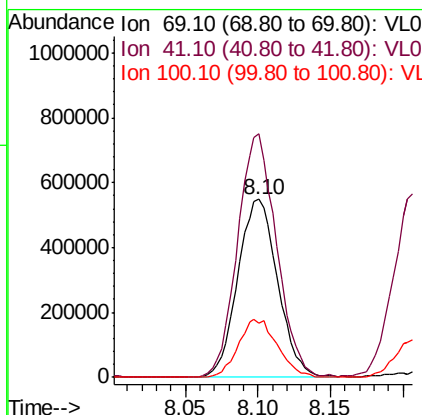
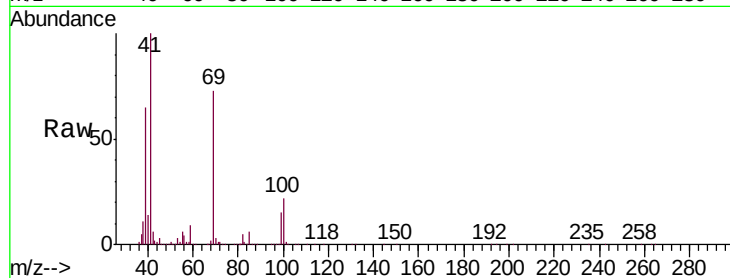




#43
Methyl Methacrylate
Concen: 11.903 ppbv
RT: 8.10 min Scan# 1606
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

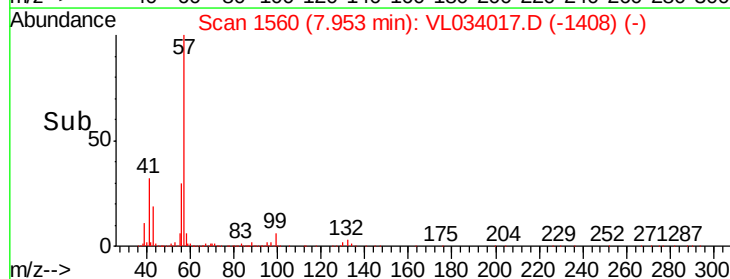
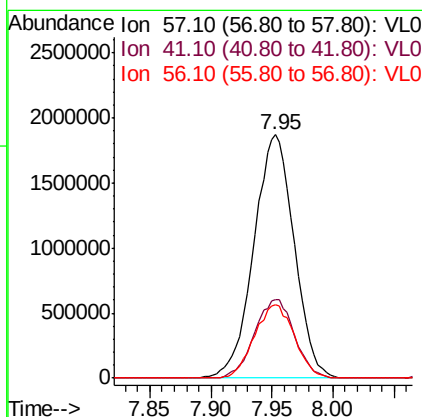
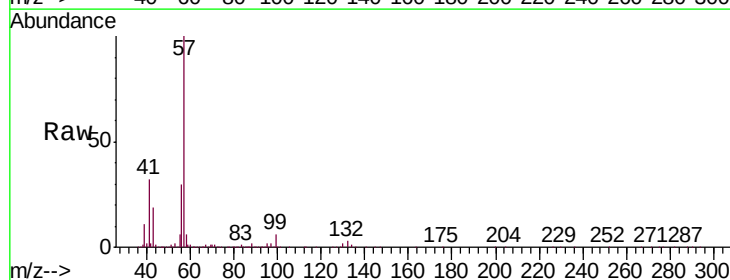
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

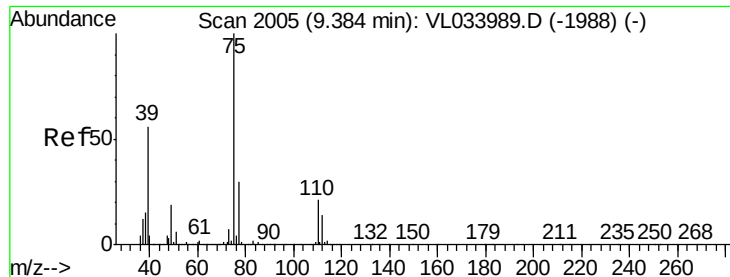
Tgt Ion: 69 Resp: 1049017
Ion Ratio Lower Upper
69 100
41 134.1 109.1 163.7
100 32.1 25.3 37.9



#44
2,2,4-Trimethylpentane
Concen: 10.687 ppbv
RT: 7.95 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 57 Resp: 4285332
Ion Ratio Lower Upper
57 100
41 32.2 26.1 39.1
56 30.1 24.4 36.6





#45

t-1,3-Dichloropropene

Concen: 12.787 ppbv

RT: 9.38 min Scan# 2003

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

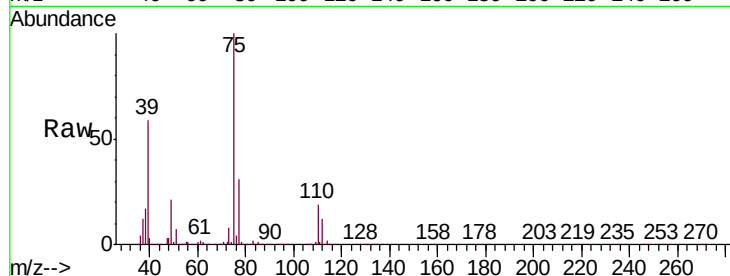
VSTDCCC010

Tgt Ion: 75 Resp: 1473714

Ion Ratio Lower Upper

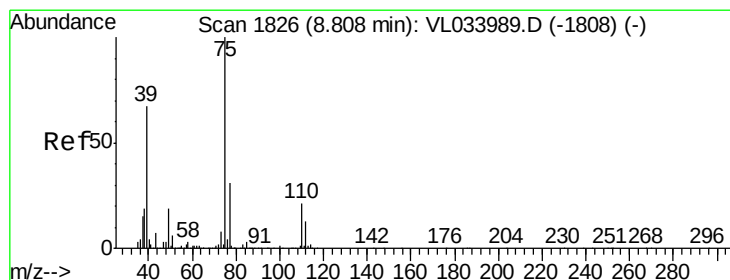
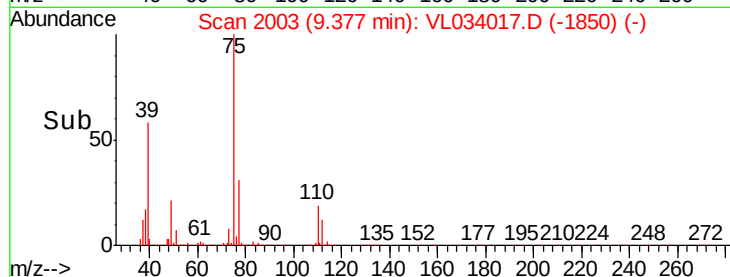
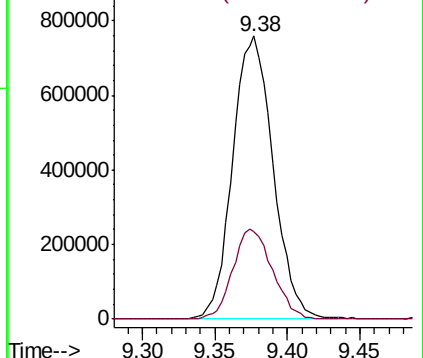
75 100

77 31.1 24.3 36.5



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 12.330 ppbv

RT: 8.80 min Scan# 1823

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

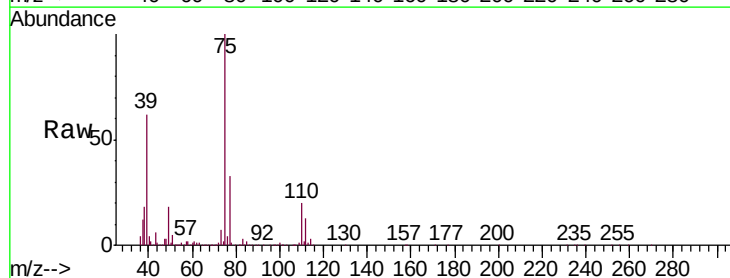
Tgt Ion: 75 Resp: 1645702

Ion Ratio Lower Upper

75 100

39 61.6 53.8 80.6

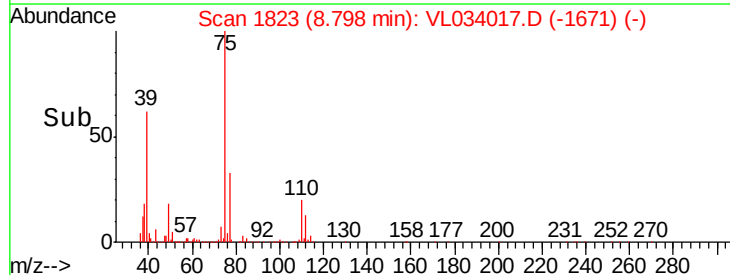
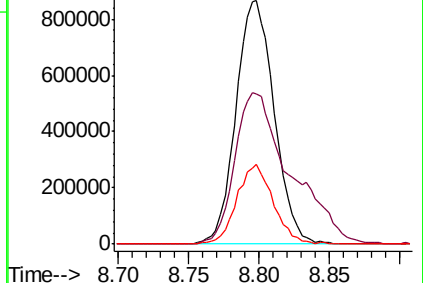
77 33.0 24.5 36.7

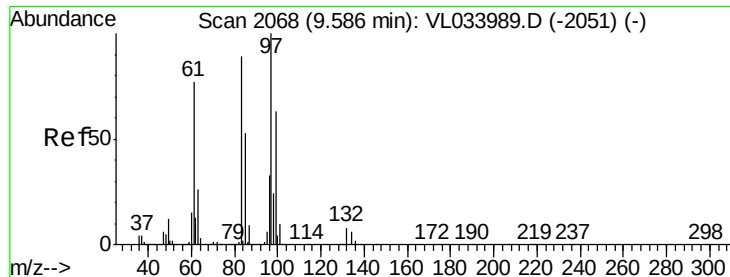


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



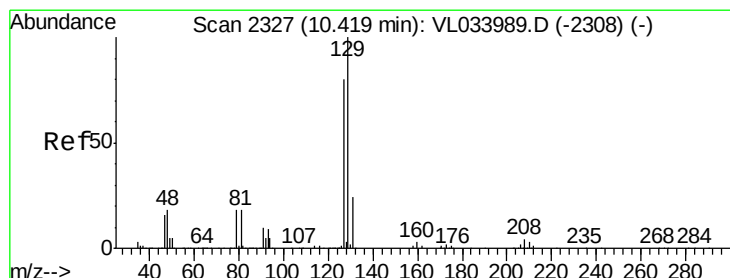
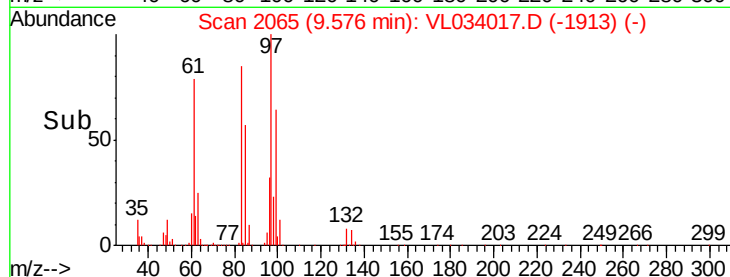
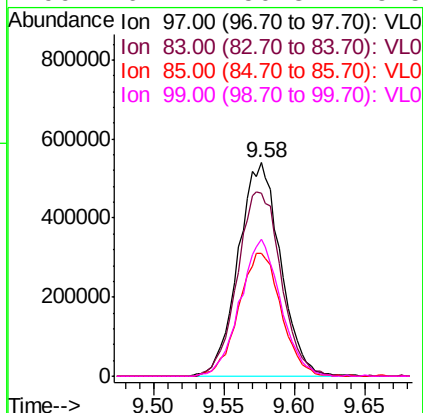
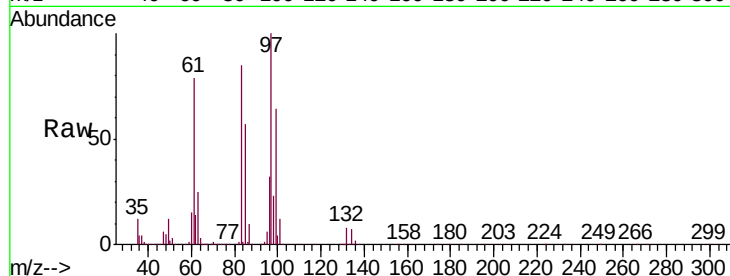


#47
 1,1,2-Trichloroethane
 Concen: 10.398 ppbv
 RT: 9.58 min Scan# 2065
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1129180

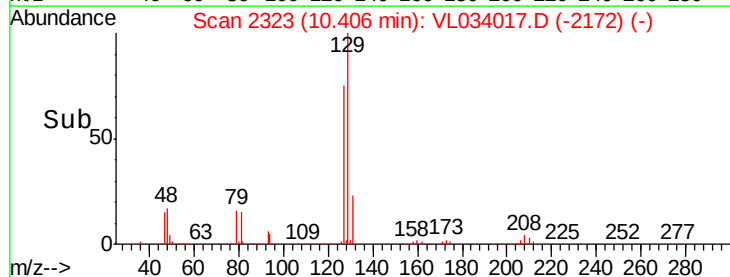
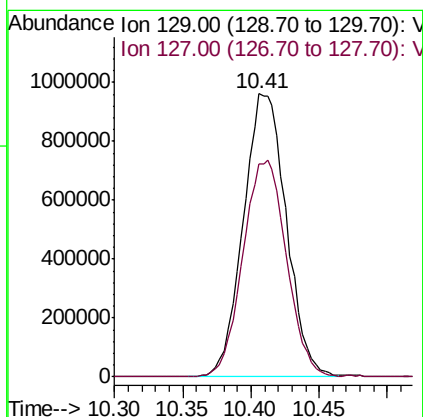
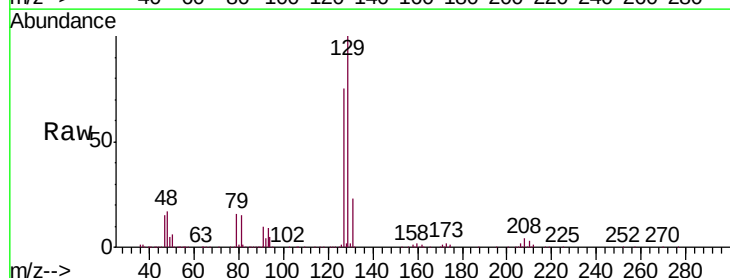
Ion	Ratio	Lower	Upper
97	100		
83	85.3	71.1	106.7
85	57.1	42.6	64.0
99	64.4	50.3	75.5

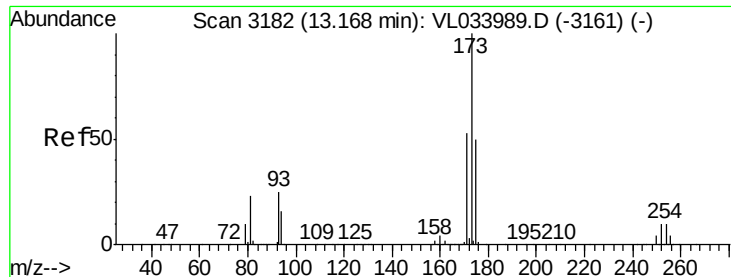


#48
 Dibromochloromethane
 Concen: 10.161 ppbv
 RT: 10.41 min Scan# 2323
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion: 129 Resp: 2105708

Ion	Ratio	Lower	Upper
129	100		
127	78.0	39.1	117.3





#49

Bromoform

Concen: 11.225 ppbv

RT: 13.16 min Scan# 3179

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

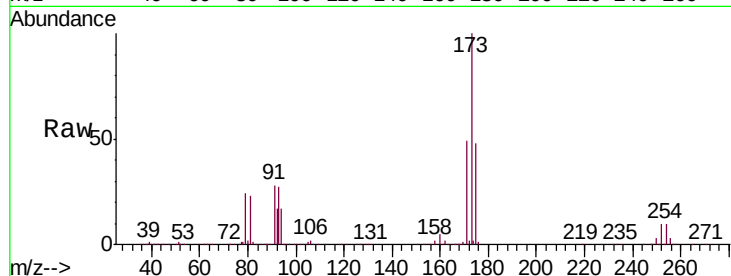
Tgt Ion:173 Resp: 1987252

Ion Ratio Lower Upper

173 100

175 49.9 39.3 58.9

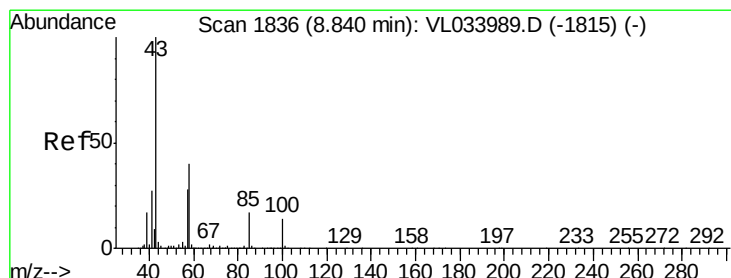
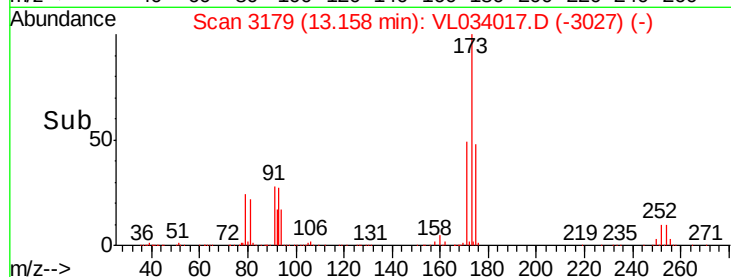
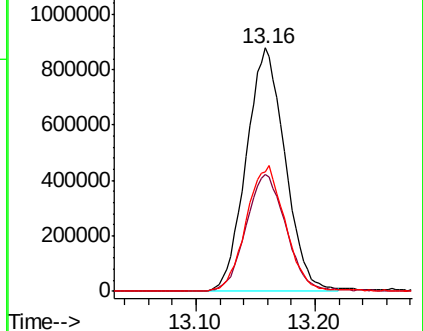
171 52.3 41.4 62.0



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: 11.036 ppbv

RT: 8.83 min Scan# 1834

Delta R.T. -0.01 min

Lab File: VL034017.D

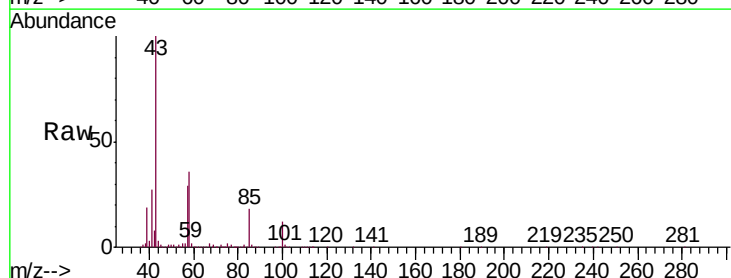
Acq: 11 Jul 2019 13:01

Tgt Ion: 43 Resp: 2572974

Ion Ratio Lower Upper

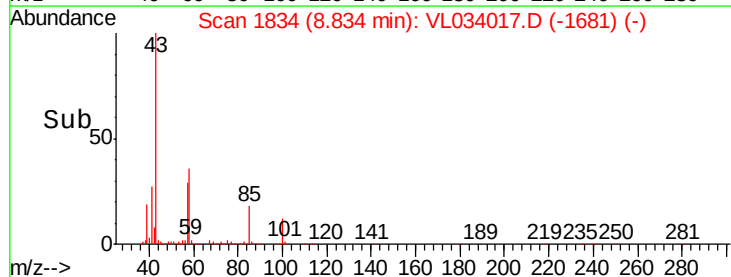
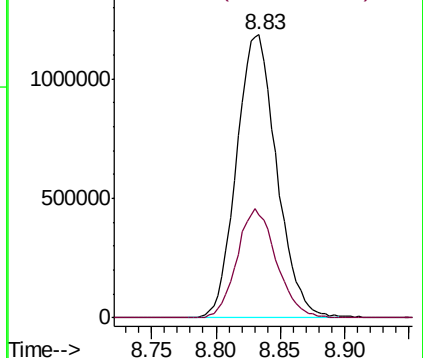
43 100

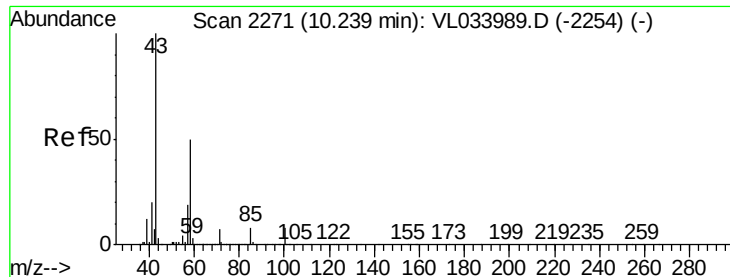
58 37.8 30.3 45.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

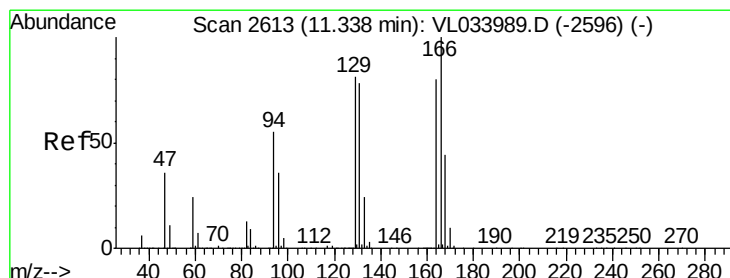
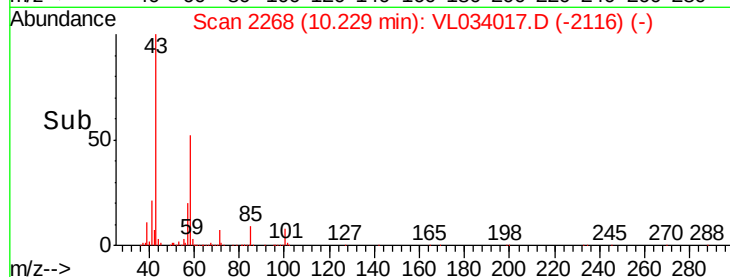
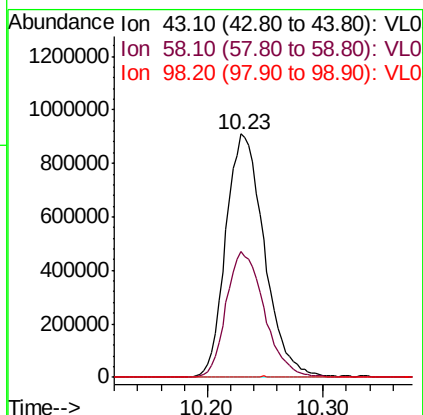
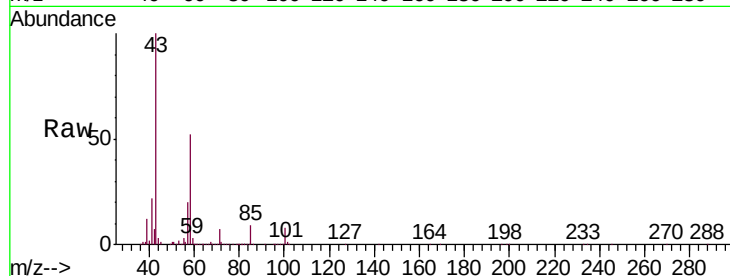




#51
2-Hexanone
Concen: 11.160 ppbv
RT: 10.23 min Scan# 2268
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

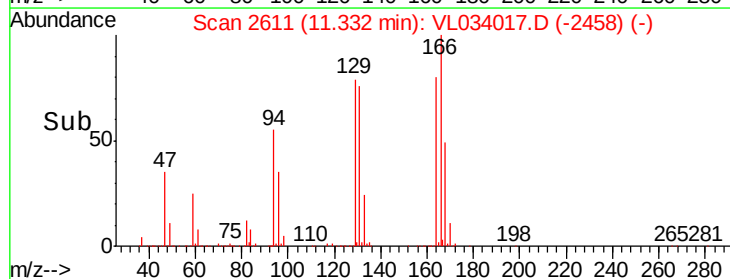
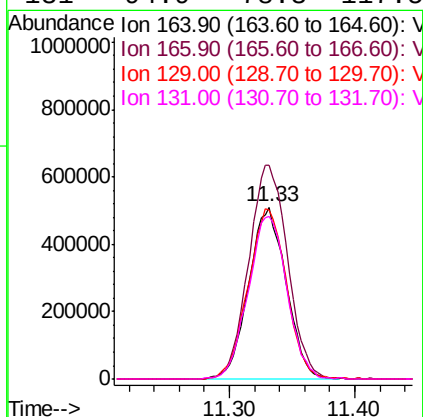
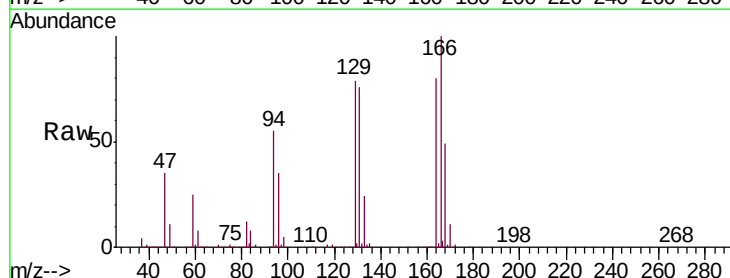
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

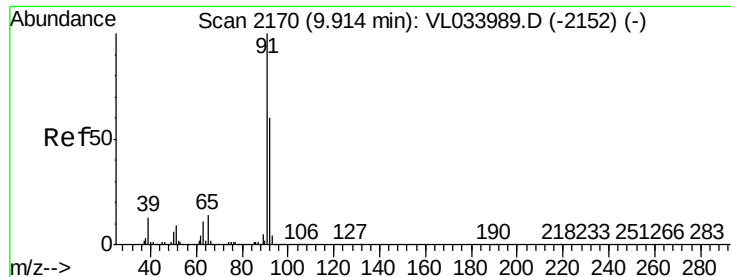
Tgt Ion: 43 Resp: 2098415
Ion Ratio Lower Upper
43 100
58 51.2 41.0 61.4
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 10.613 ppbv
RT: 11.33 min Scan# 2611
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 164 Resp: 1061056
Ion Ratio Lower Upper
164 100
166 124.2 100.2 150.2
129 98.2 81.0 121.6
131 94.9 78.3 117.5





#53

Toluene

Concen: 12.011 ppbv

RT: 9.91 min Scan# 2168

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

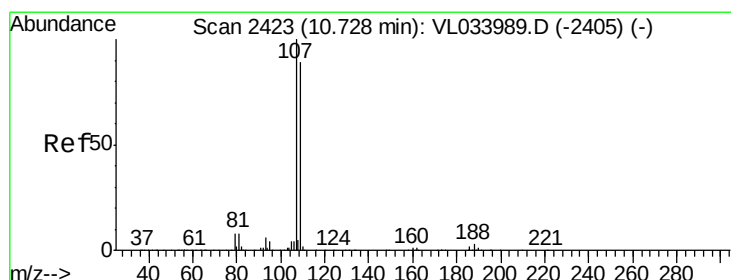
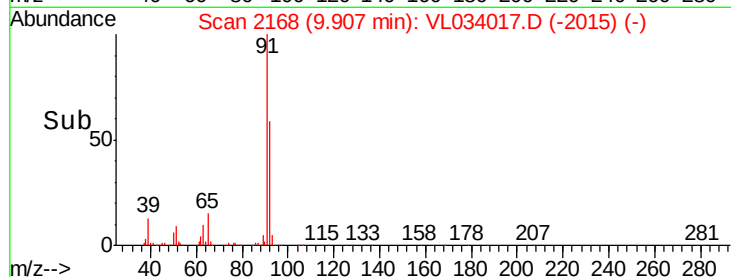
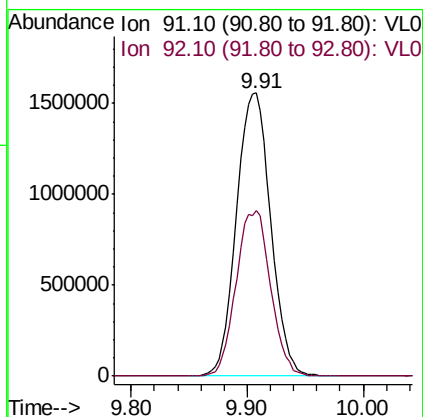
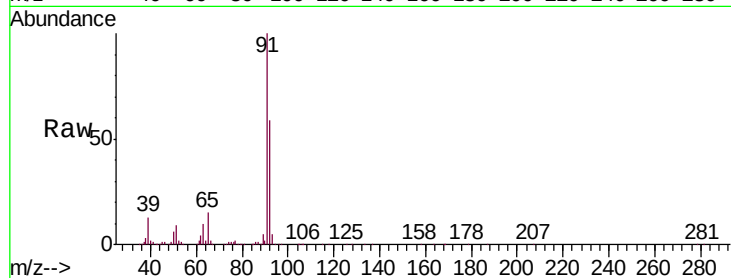
VSTDCCC010

Tgt Ion: 91 Resp: 3193819

Ion Ratio Lower Upper

91 100

92 58.9 47.7 71.5



#54

1,2-Dibromoethane

Concen: 10.990 ppbv

RT: 10.71 min Scan# 2419

Delta R.T. -0.01 min

Lab File: VL034017.D

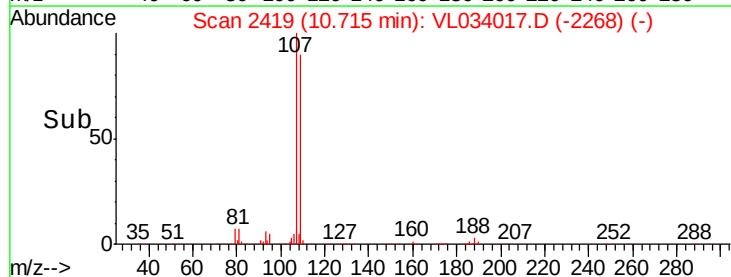
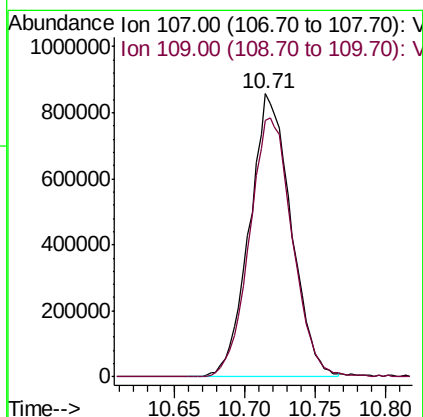
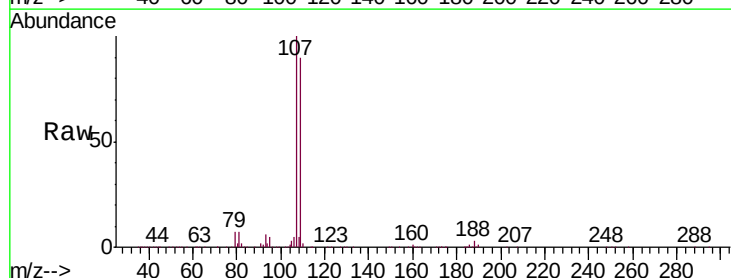
Acq: 11 Jul 2019 13:01

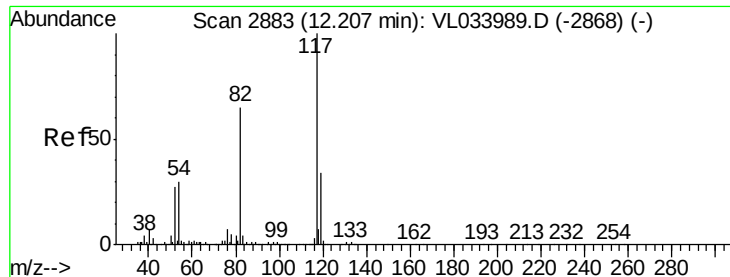
Tgt Ion: 107 Resp: 1761448

Ion Ratio Lower Upper

107 100

109 90.5 71.5 107.3

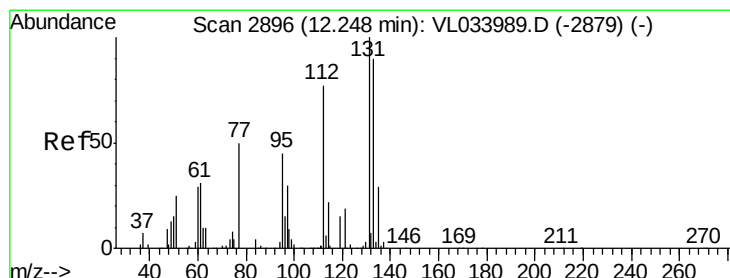
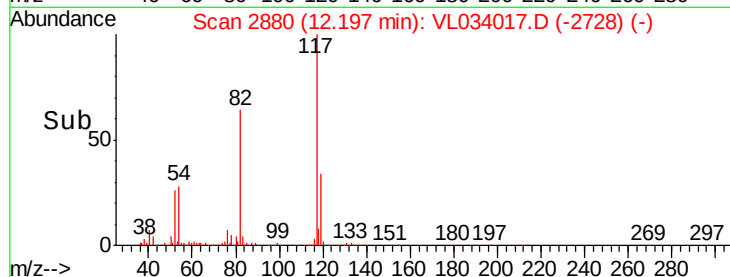
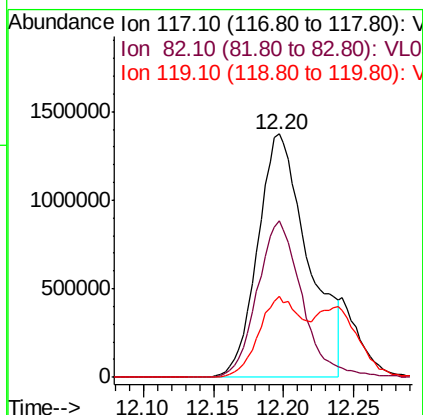
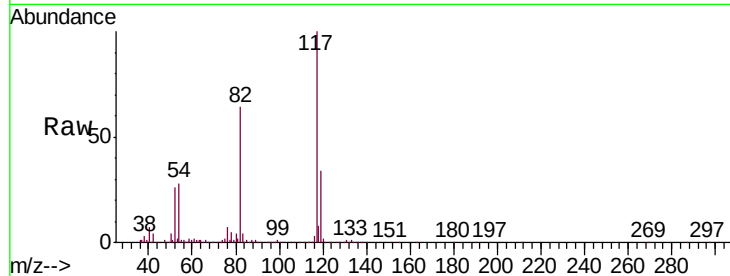




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.20 min Scan# 2880
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

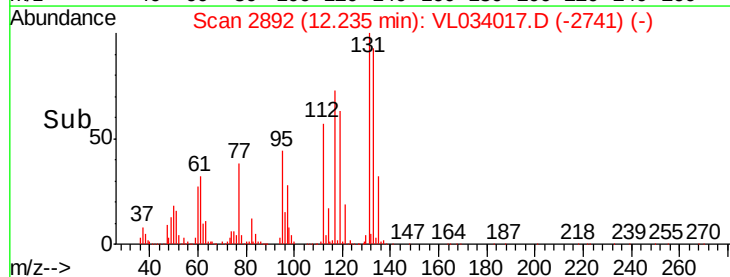
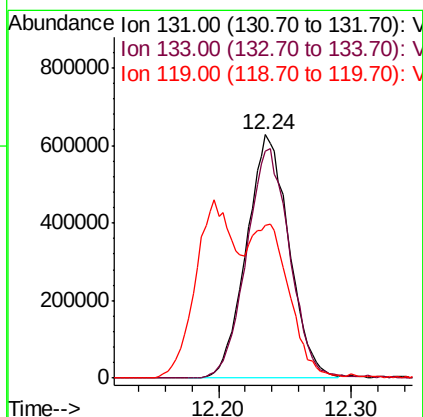
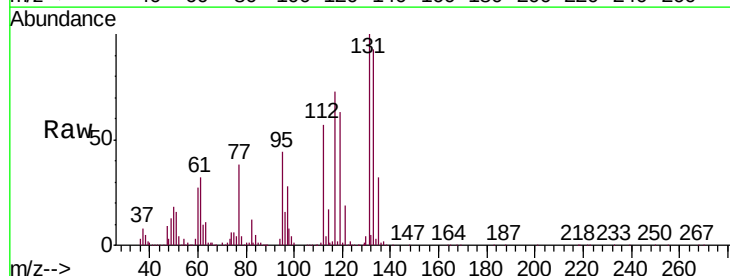
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

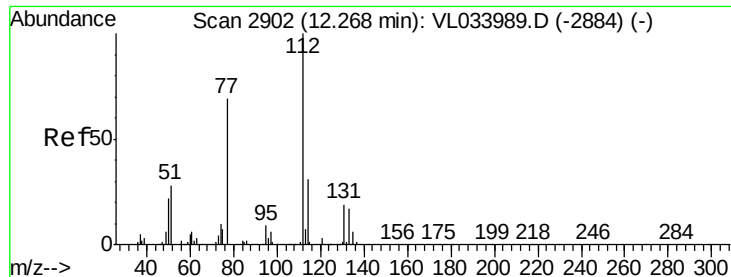
Tgt Ion:117 Resp: 3415095
Ion Ratio Lower Upper
117 100
82 57.8 50.8 76.2
119 31.1 24.0 36.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.148 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion:131 Resp: 1396284
Ion Ratio Lower Upper
131 100
133 96.4 76.2 114.2
119 54.8 43.1 64.7





#57

Chlorobenzene

Concen: 9.239 ppbv

RT: 12.26 min Scan# 2899

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDC0010

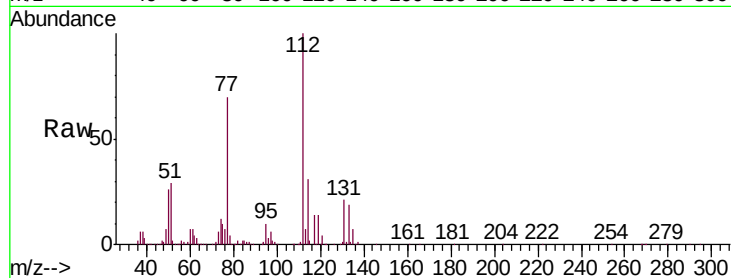
Tgt Ion: 112 Resp: 2511999

Ion Ratio Lower Upper

112 100

77 69.4 55.9 83.9

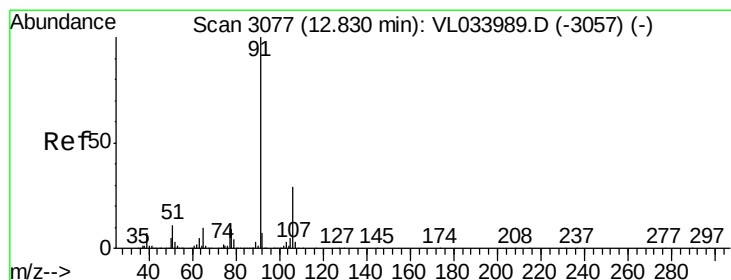
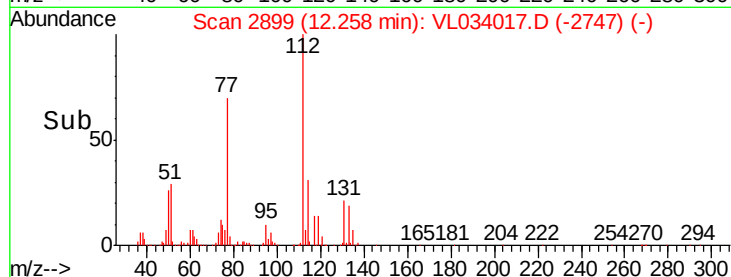
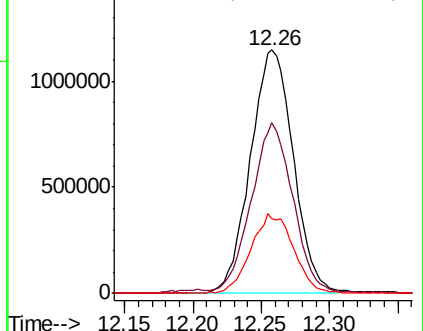
114 30.4 27.6 33.8



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: 10.620 ppbv

RT: 12.82 min Scan# 3074

Delta R.T. -0.01 min

Lab File: VL034017.D

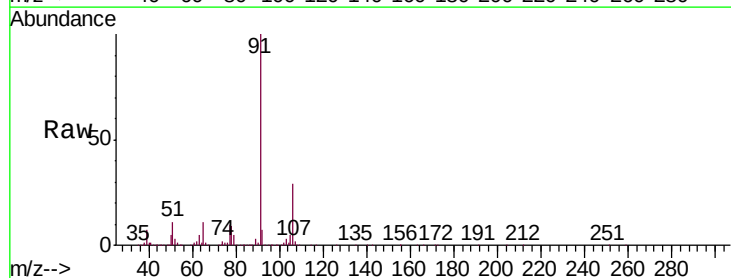
Acq: 11 Jul 2019 13:01

Tgt Ion: 91 Resp: 4361286

Ion Ratio Lower Upper

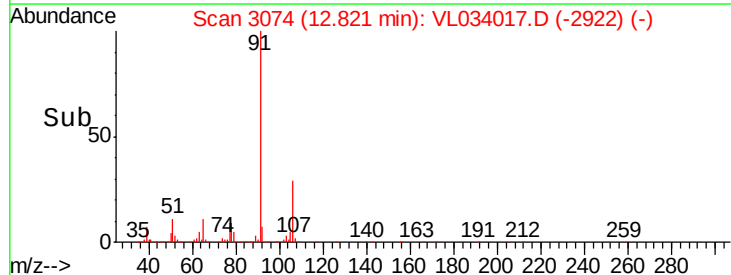
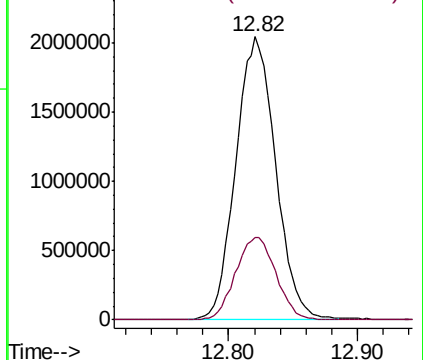
91 100

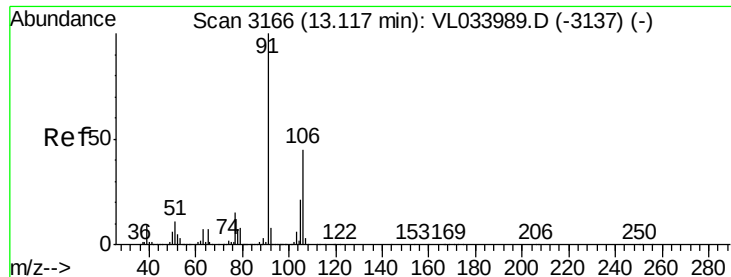
106 28.9 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.019 ppbv

RT: 13.11 min Scan# 3163

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

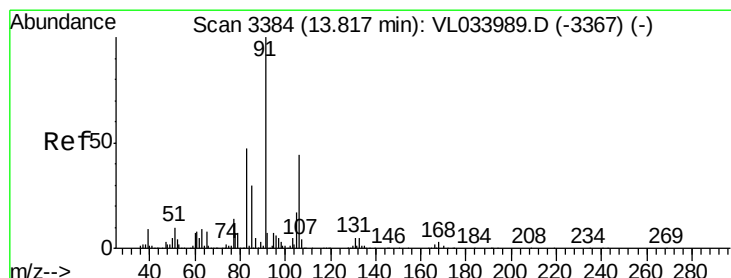
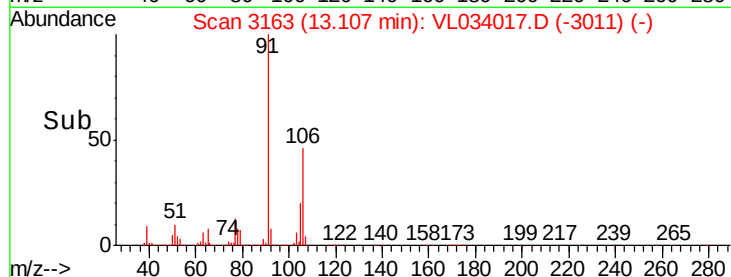
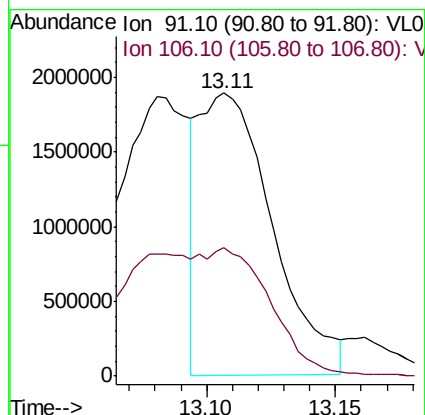
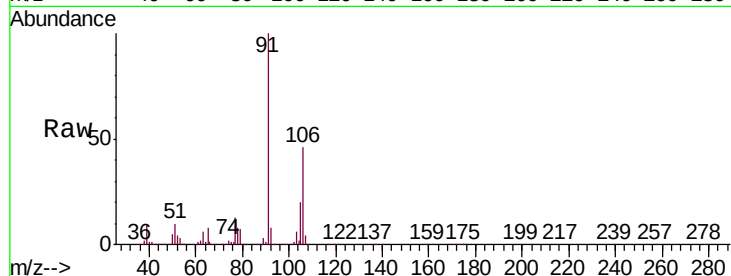
VSTDCCC010

Tgt Ion: 91 Resp: 3725704

Ion Ratio Lower Upper

91 100

106 90.3 35.7 53.5#



#60

o-Xylene

Concen: 9.742 ppbv

RT: 13.80 min Scan# 3380

Delta R.T. -0.01 min

Lab File: VL034017.D

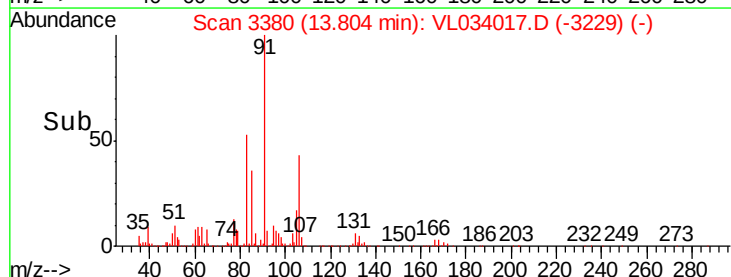
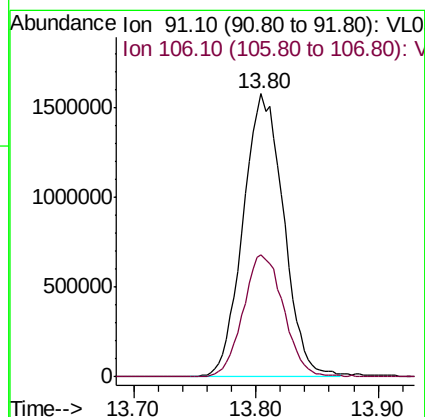
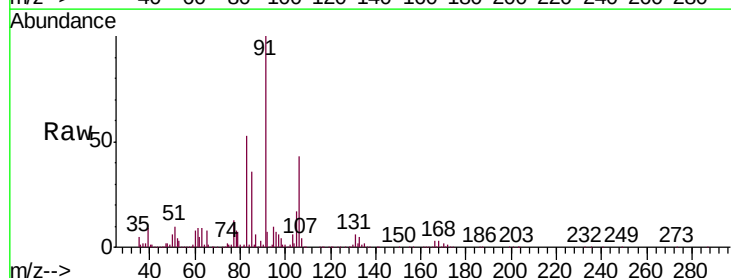
Acq: 11 Jul 2019 13:01

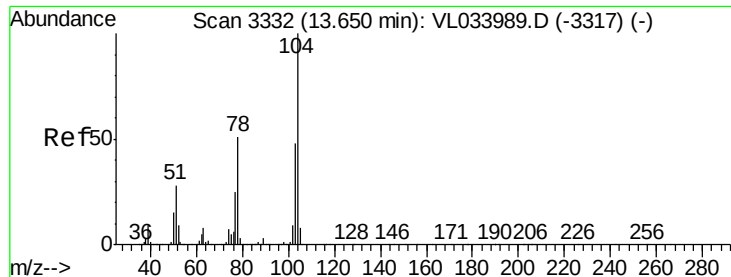
Tgt Ion: 91 Resp: 3624127

Ion Ratio Lower Upper

91 100

106 43.3 21.9 65.7





#61

Styrene

Concen: 10.905 ppbv

RT: 13.64 min Scan# 3330

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

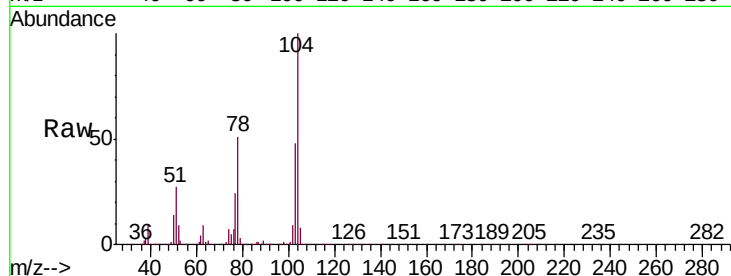
Tgt Ion:104 Resp: 2684727

Ion Ratio Lower Upper

104 100

78 54.7 43.9 65.9

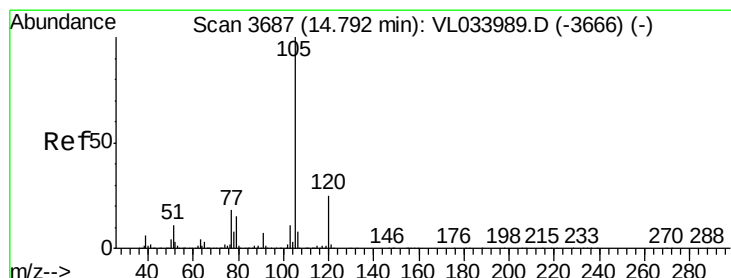
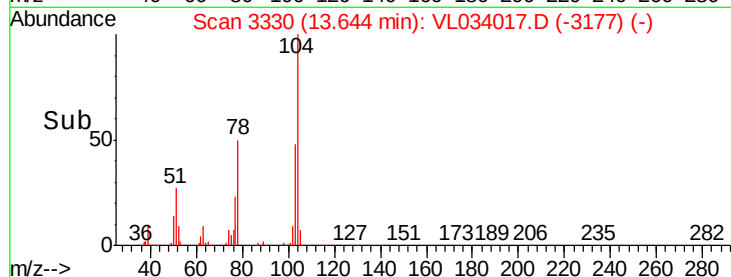
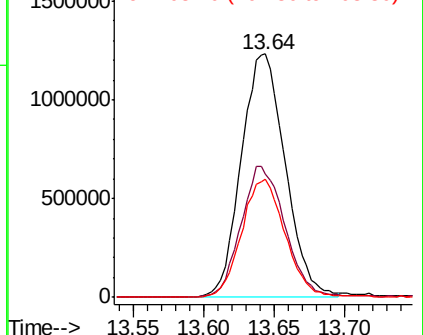
103 48.4 38.1 57.1



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: 8.310 ppbv

RT: 14.78 min Scan# 3684

Delta R.T. -0.01 min

Lab File: VL034017.D

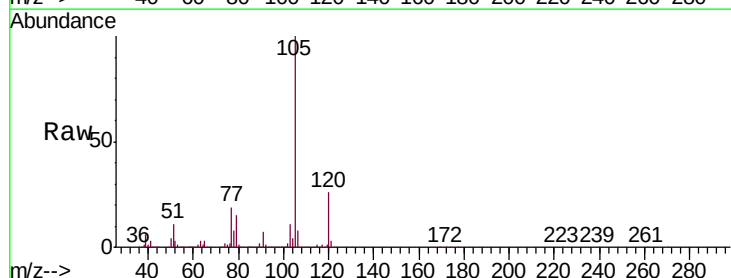
Acq: 11 Jul 2019 13:01

Tgt Ion:105 Resp: 4752365

Ion Ratio Lower Upper

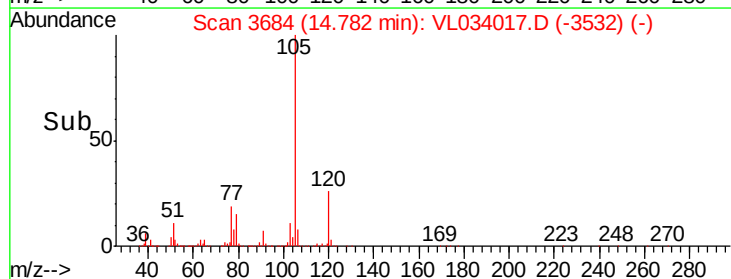
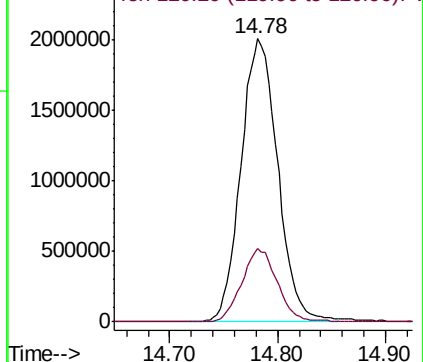
105 100

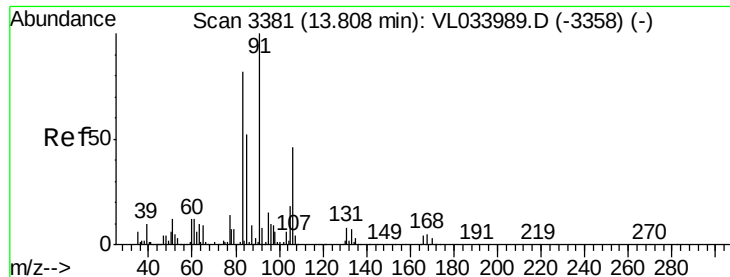
120 25.2 20.4 30.6



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: 8.784 ppbv

RT: 13.79 min Scan# 3376

Delta R.T. -0.02 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

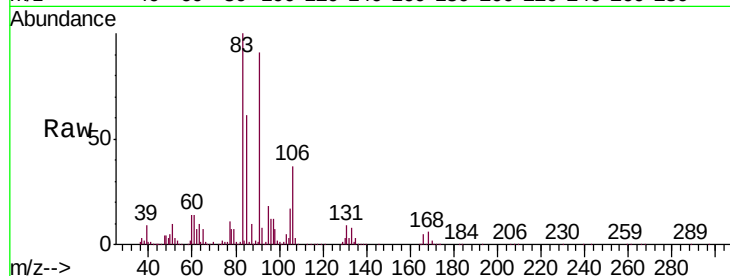
Tgt Ion: 83 Resp: 2529288

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

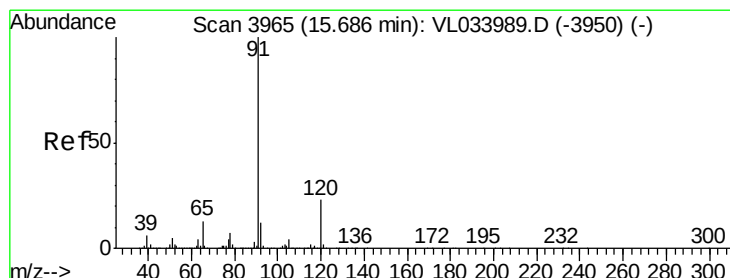
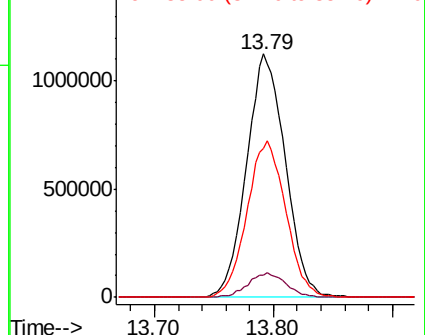
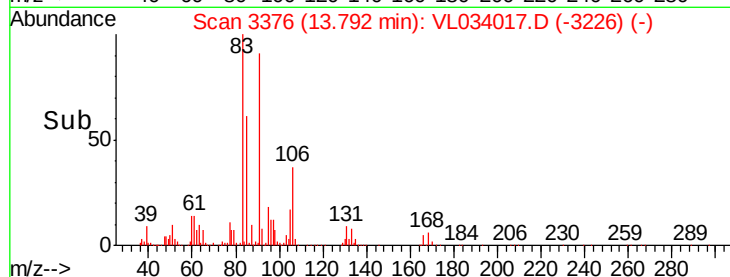
85 64.5 32.8 98.3



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.235 ppbv

RT: 15.68 min Scan# 3963

Delta R.T. -0.01 min

Lab File: VL034017.D

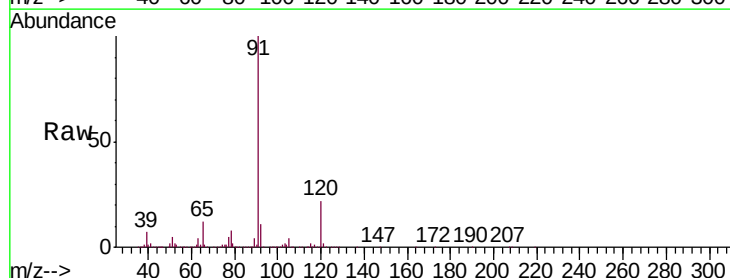
Acq: 11 Jul 2019 13:01

Tgt Ion: 120 Resp: 1221139

Ion Ratio Lower Upper

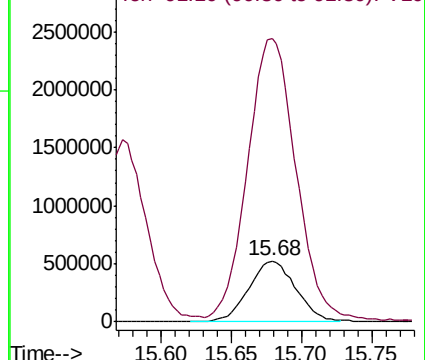
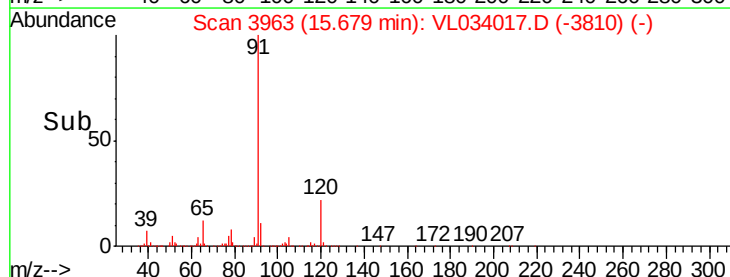
120 100

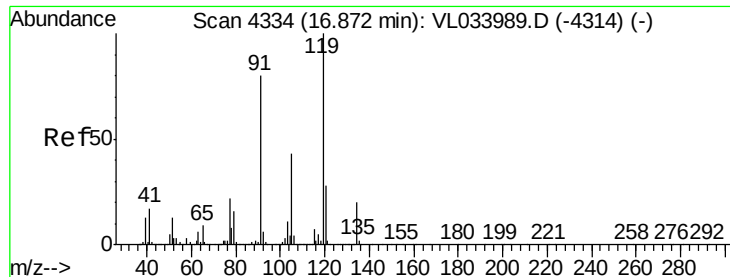
91 488.0 386.6 579.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.780 ppbv

RT: 16.87 min Scan# 4332

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

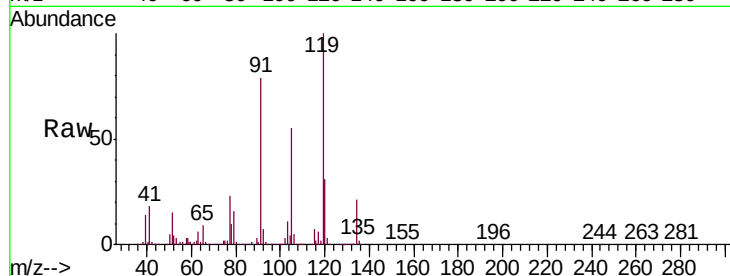
Tgt Ion: 119 Resp: 4269655

Ion Ratio Lower Upper

119 100

91 83.2 67.0 100.6

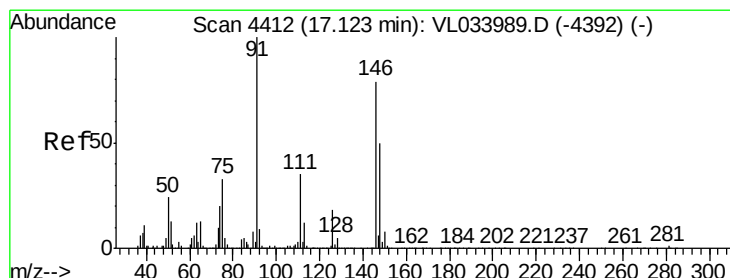
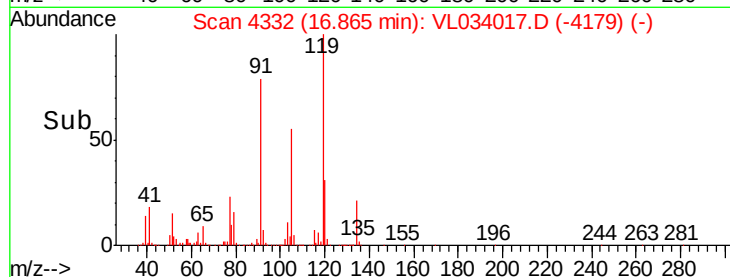
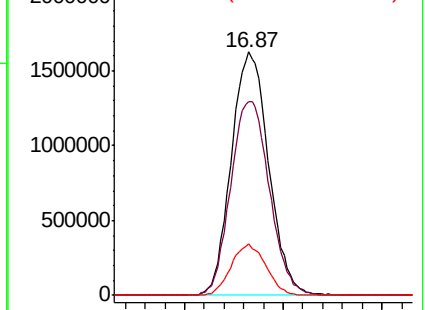
134 19.9 15.8 23.6



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: 9.775 ppbv

RT: 17.11 min Scan# 4409

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

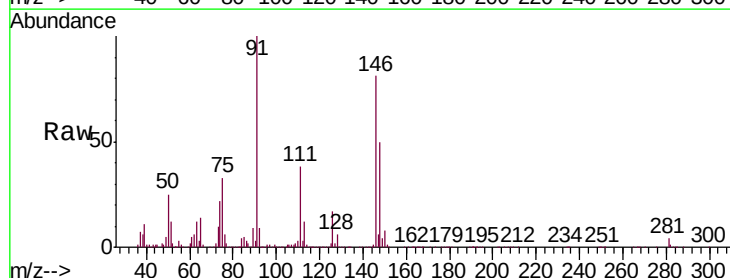
Tgt Ion: 91 Resp: 2431953

Ion Ratio Lower Upper

91 100

126 17.4 13.9 20.9

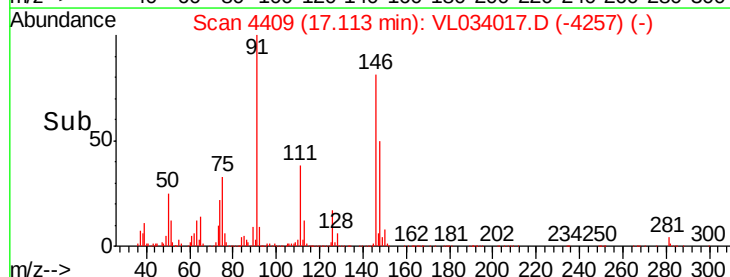
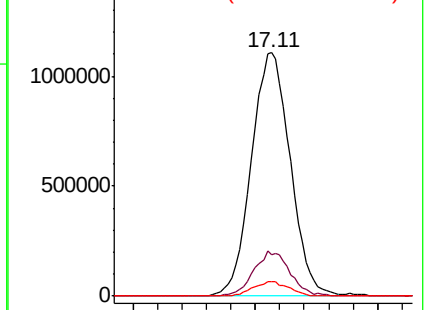
128 5.7 4.6 7.0

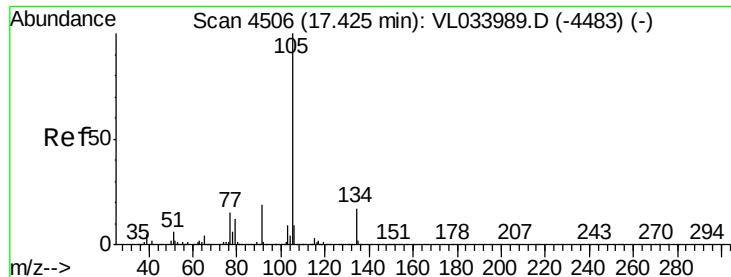


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.831 ppbv

RT: 17.42 min Scan# 4503

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

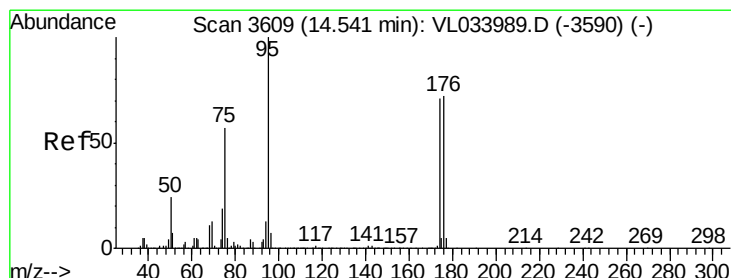
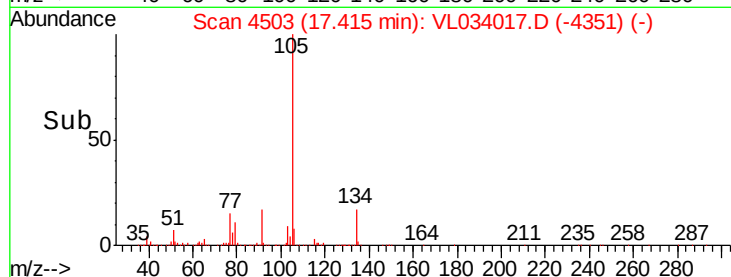
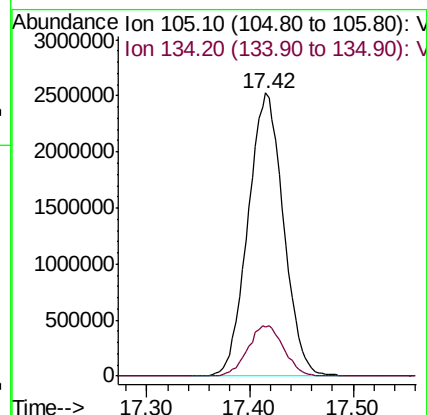
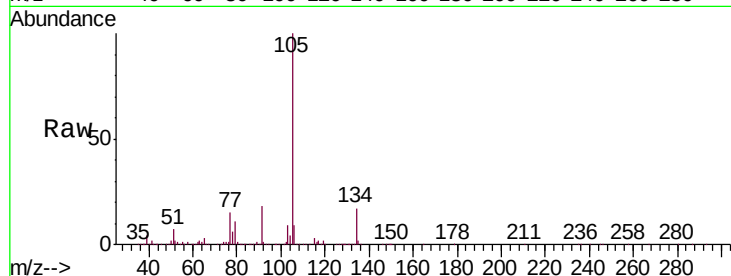
VSTDCCC010

Tgt Ion:105 Resp: 6027591

Ion Ratio Lower Upper

105 100

134 18.1 14.7 22.1



#68

1-Bromo-4-Fluorobenzene

Concen: 8.051 ppbv

RT: 14.53 min Scan# 3606

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

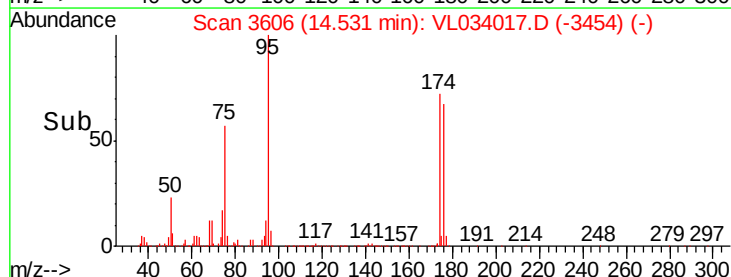
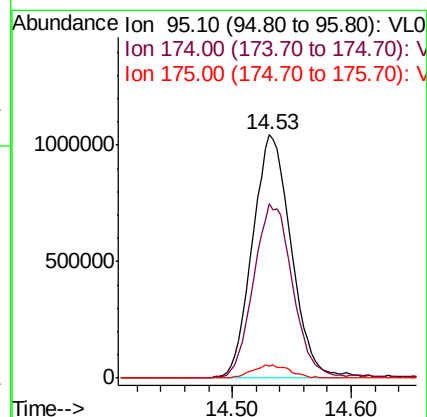
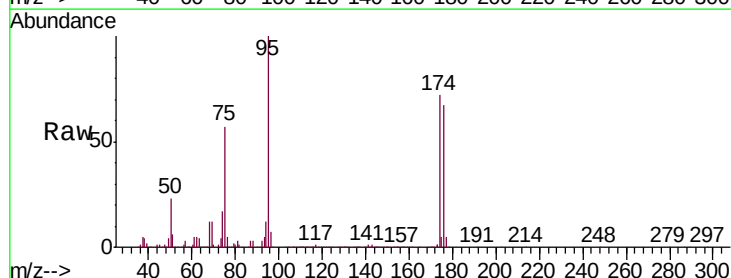
Tgt Ion: 95 Resp: 2345120

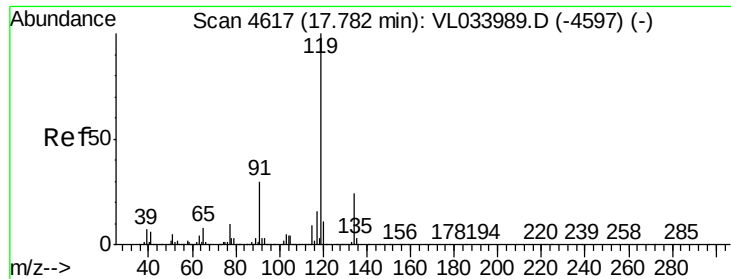
Ion Ratio Lower Upper

95 100

174 73.8 60.5 90.7

175 5.3 4.0 6.0

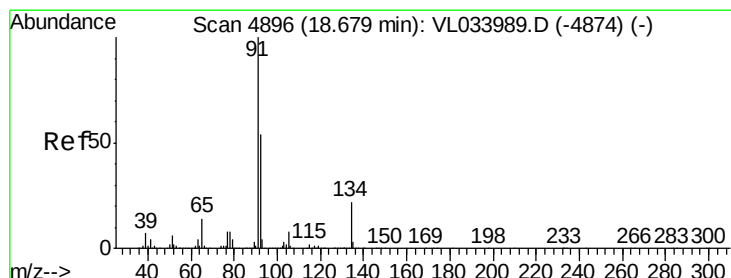
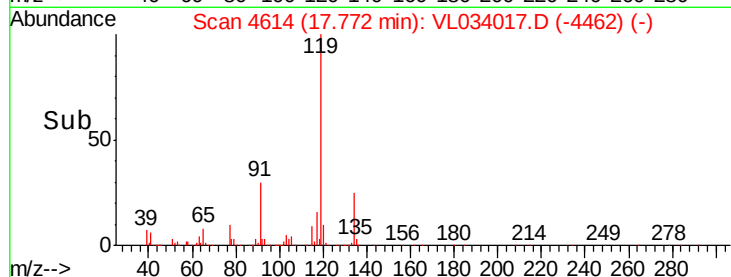
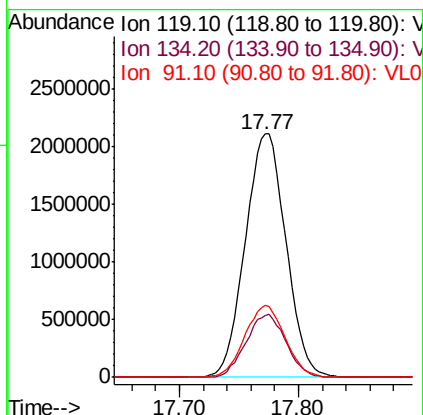
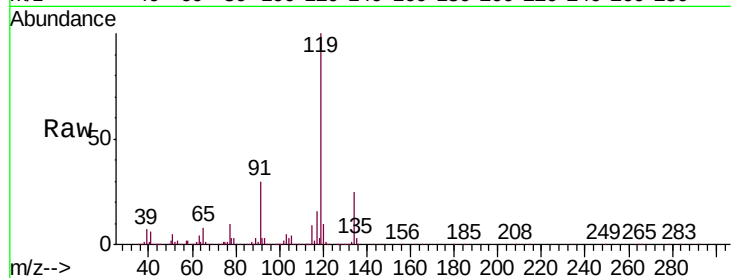




#69
p-Isopropyltoluene
Concen: 8.859 ppbv
RT: 17.77 min Scan# 4614
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

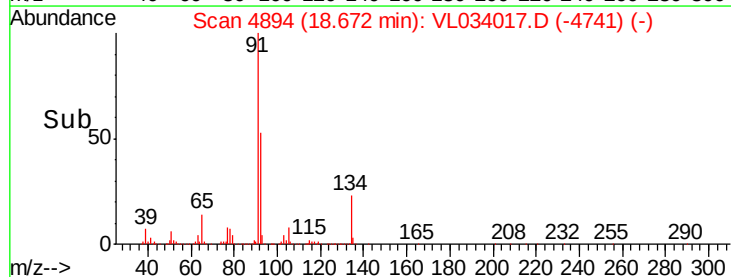
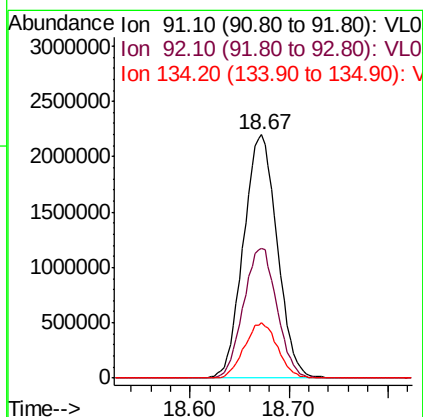
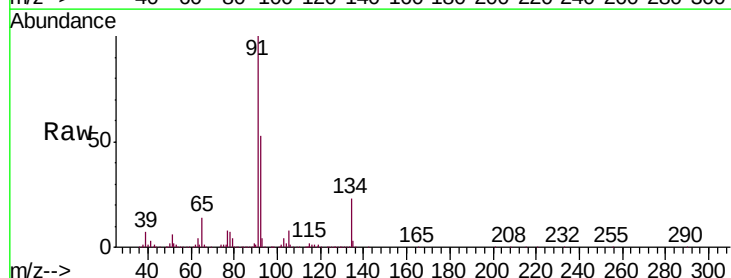
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

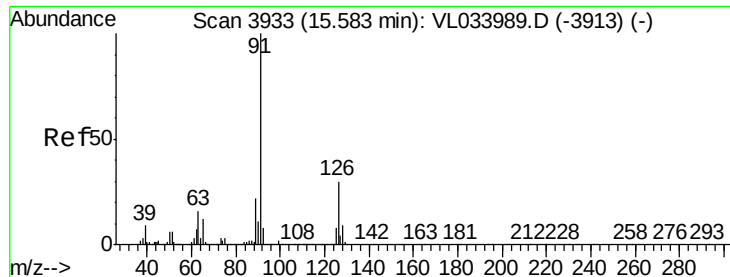
Tgt Ion: 119 Resp: 4985553
Ion Ratio Lower Upper
119 100
134 25.4 20.1 30.1
91 29.3 23.6 35.4



#70
n-Butylbenzene
Concen: 8.763 ppbv
RT: 18.67 min Scan# 4894
Delta R.T. -0.01 min
Lab File: VL034017.D
Acq: 11 Jul 2019 13:01

Tgt Ion: 91 Resp: 5180760
Ion Ratio Lower Upper
91 100
92 53.1 42.0 63.0
134 22.3 17.9 26.9





#71

2-Chlorotoluene

Concen: 8.515 ppbv

RT: 15.57 min Scan# 3930

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

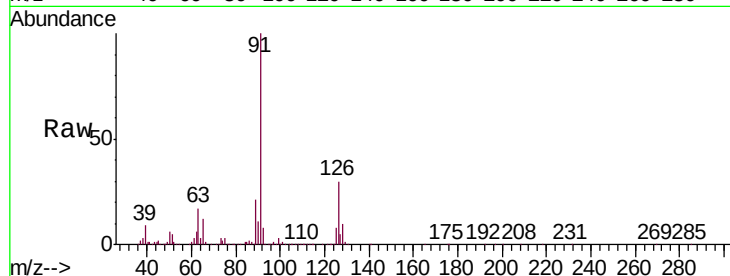
VSTDCCC010

Tgt Ion: 91 Resp: 3563723

Ion Ratio Lower Upper

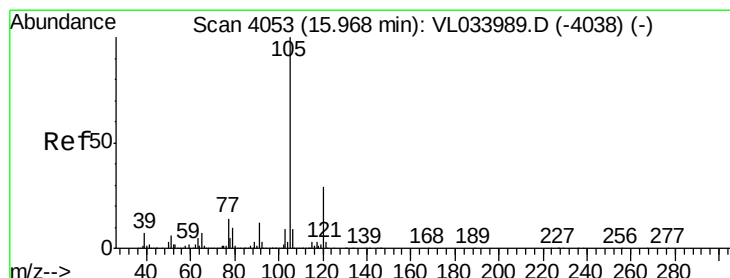
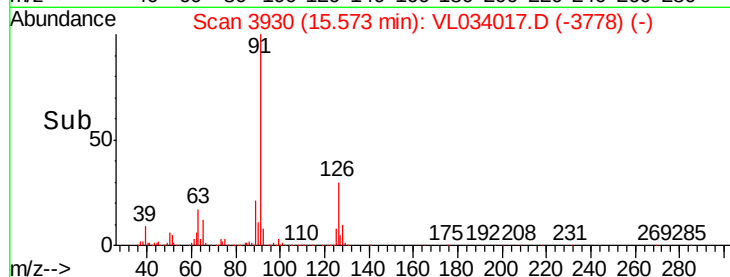
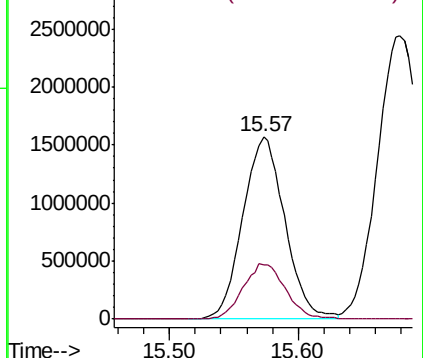
91 100

126 31.3 12.3 49.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.606 ppbv

RT: 15.96 min Scan# 4049

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Tgt Ion: 105 Resp: 4111405

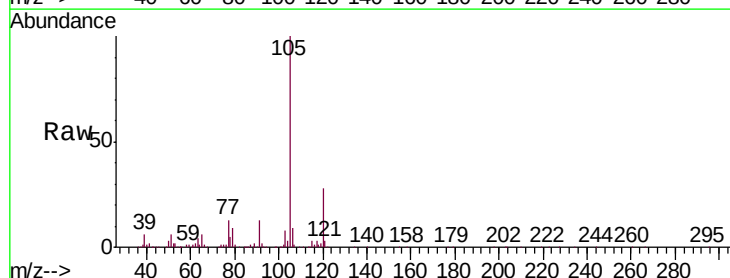
Ion Ratio Lower Upper

105 100

120 30.0 24.1 36.1

91 13.2 10.6 16.0

77 14.0 11.5 17.3

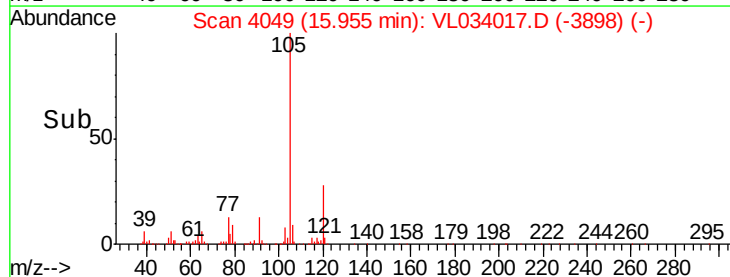
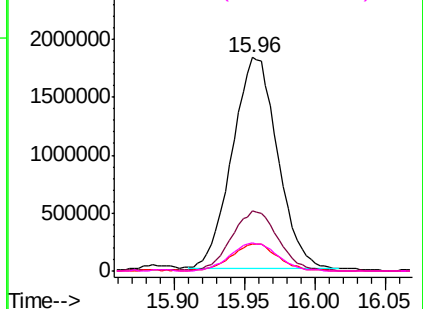


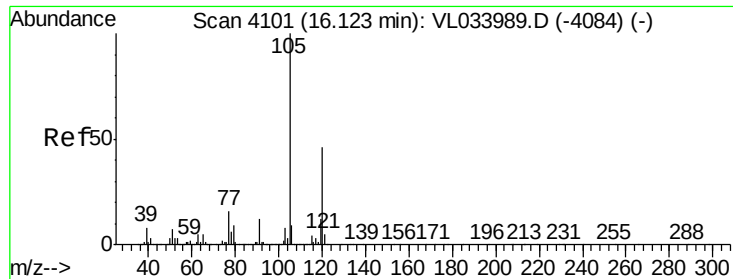
Abundance Ion 105.10 (104.80 to 105.80): V

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





#73

1,3,5-Trimethylbenzene

Concen: 9.075 ppbv

RT: 16.11 min Scan# 4098

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

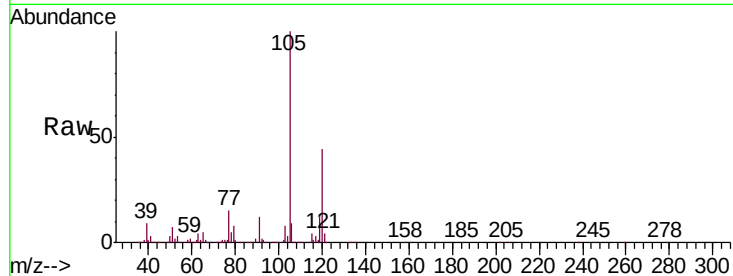
VSTDCCC010

Tgt Ion:105 Resp: 4033850

Ion Ratio Lower Upper

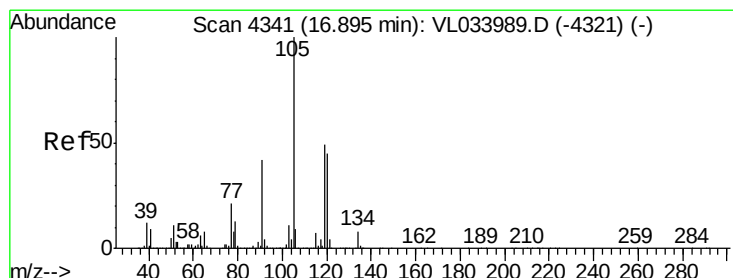
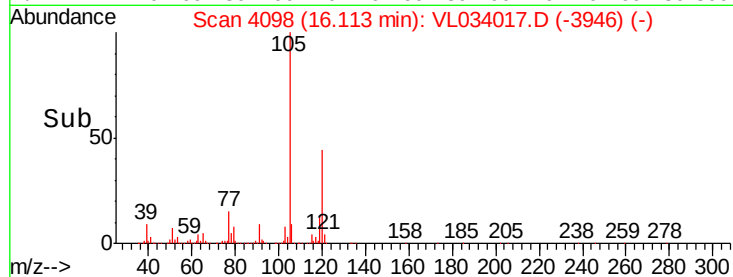
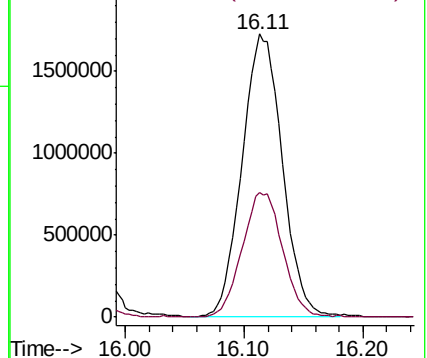
105 100

120 44.0 36.4 54.6



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: 8.470 ppbv

RT: 16.88 min Scan# 4338

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Tgt Ion:105 Resp: 4170138

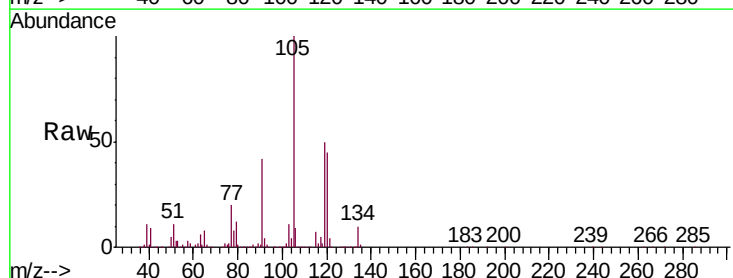
Ion Ratio Lower Upper

105 100

120 44.4 36.2 54.2

91 42.1 34.3 51.5

77 19.6 17.1 25.7

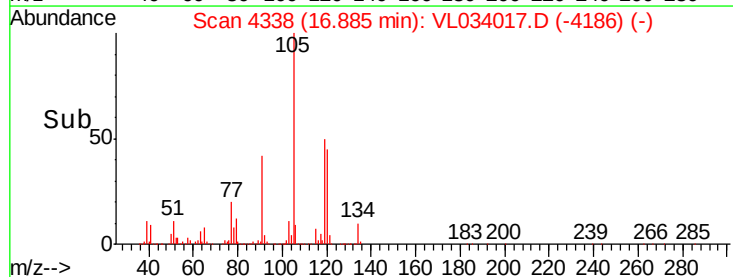
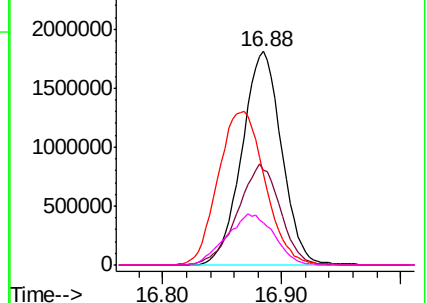


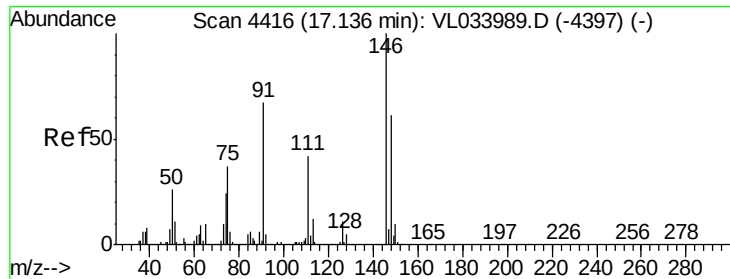
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 7.928 ppbv

RT: 17.12 min Scan# 4411

Delta R.T. -0.02 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

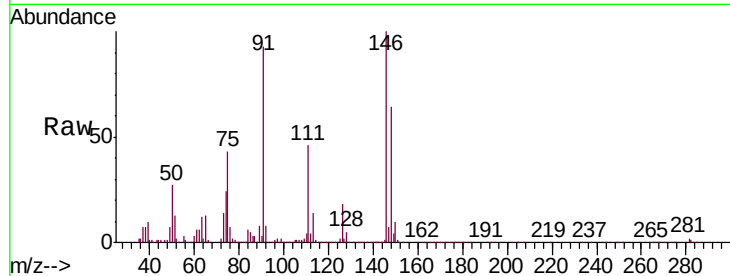
Tgt Ion:146 Resp: 2479343

Ion Ratio Lower Upper

146 100

111 44.7 22.3 66.9

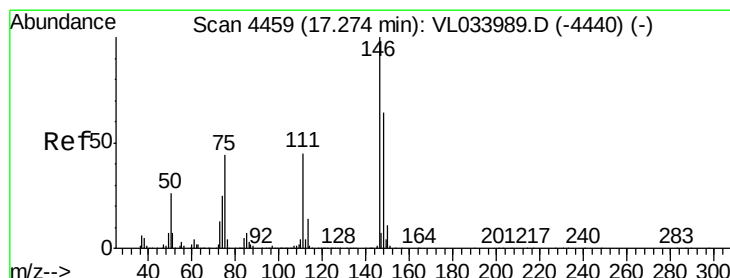
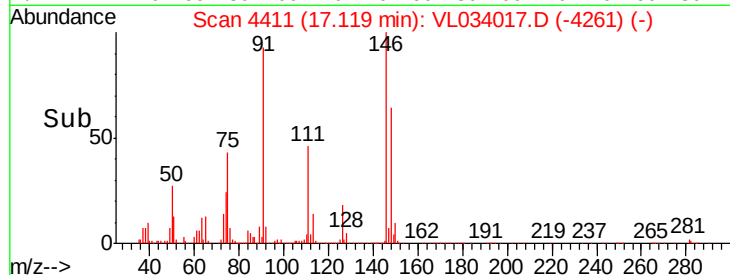
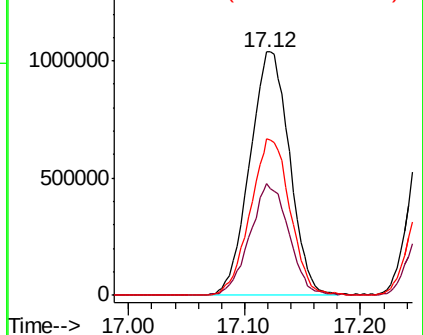
148 64.2 32.0 96.2



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: 8.446 ppbv

RT: 17.26 min Scan# 4456

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

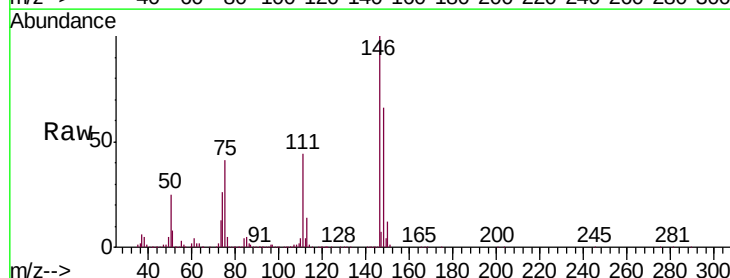
Tgt Ion:146 Resp: 2487633

Ion Ratio Lower Upper

146 100

111 43.8 21.9 65.5

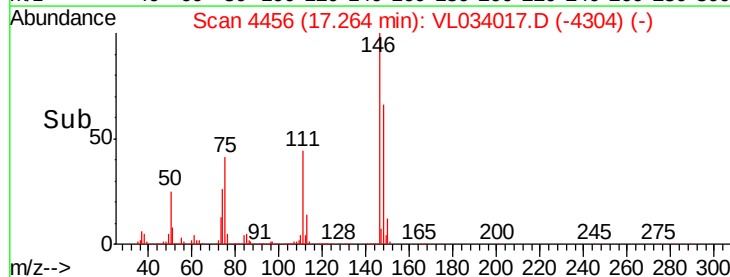
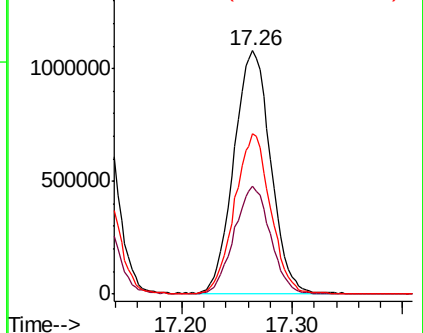
148 64.8 32.5 97.5

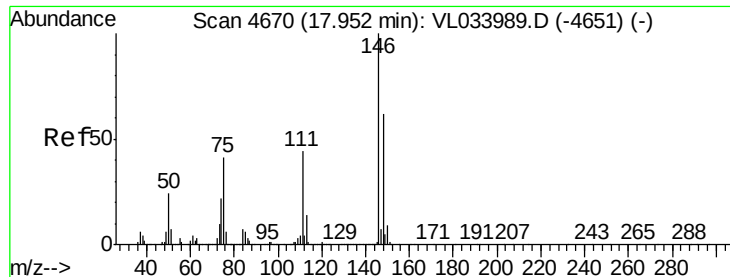


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

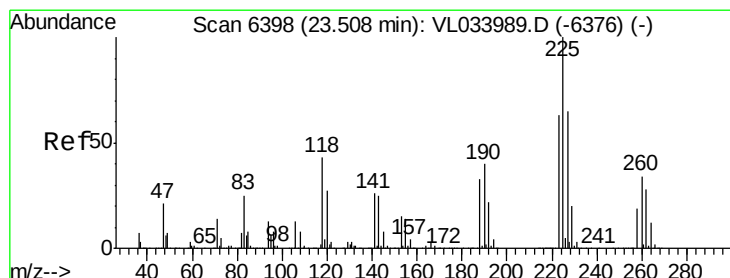
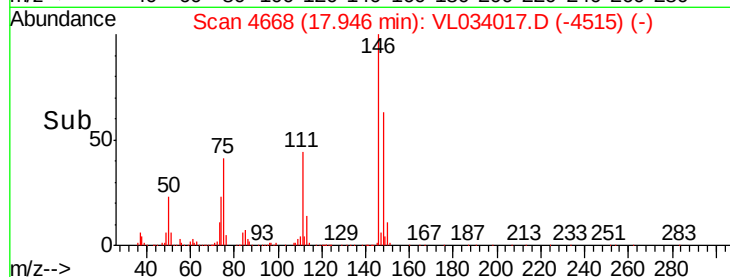
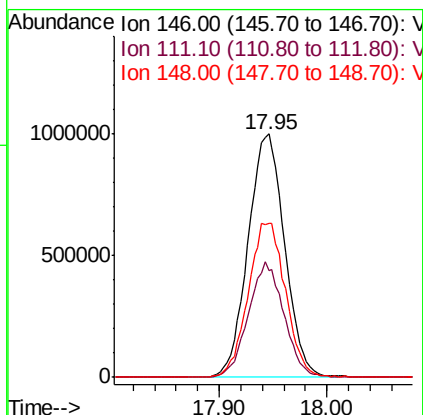
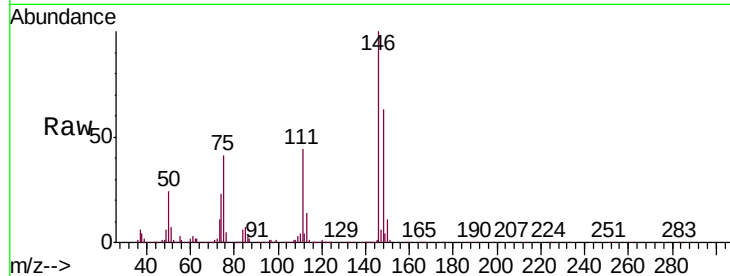




#77
 1,2-Dichlorobenzene
 Concen: 8.124 ppbv
 RT: 17.95 min Scan# 4668
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

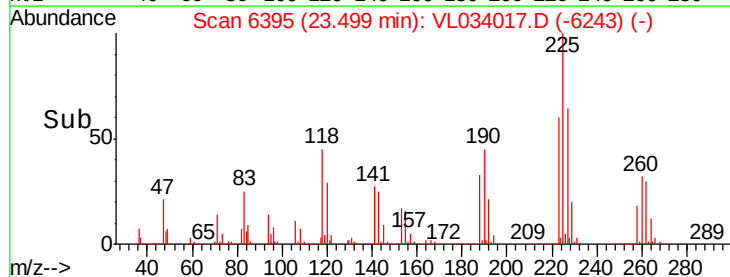
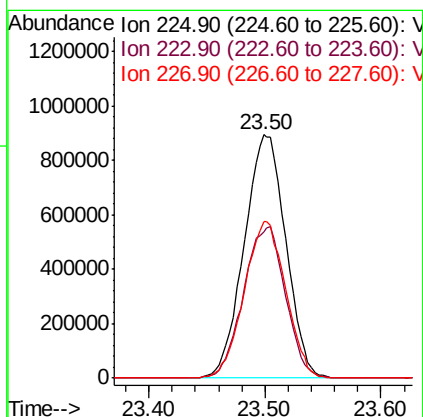
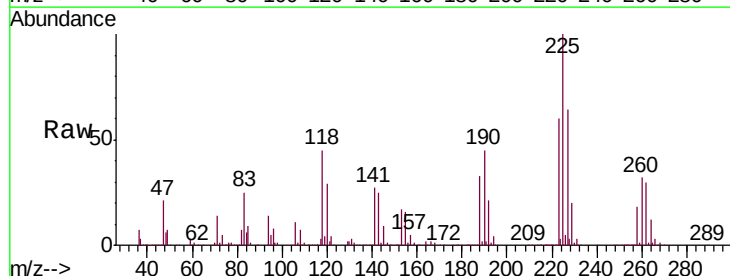
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

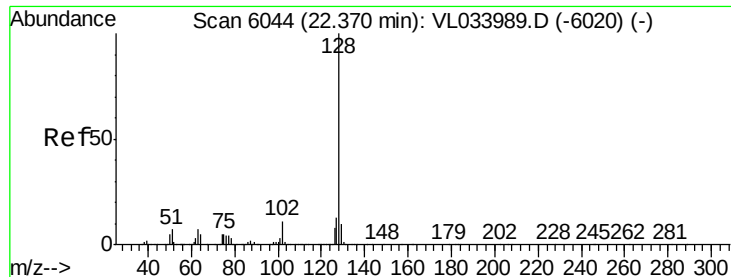
Tgt Ion:146 Resp: 2352608
 Ion Ratio Lower Upper
 146 100
 111 46.1 22.7 68.1
 148 64.8 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.047 ppbv
 RT: 23.50 min Scan# 6395
 Delta R.T. -0.01 min
 Lab File: VL034017.D
 Acq: 11 Jul 2019 13:01

Tgt Ion:225 Resp: 2229276
 Ion Ratio Lower Upper
 225 100
 223 62.7 51.5 77.3
 227 64.3 52.1 78.1





#79

Naphthalene

Concen: 9.361 ppbv

RT: 22.35 min Scan# 6039

Delta R.T. -0.02 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

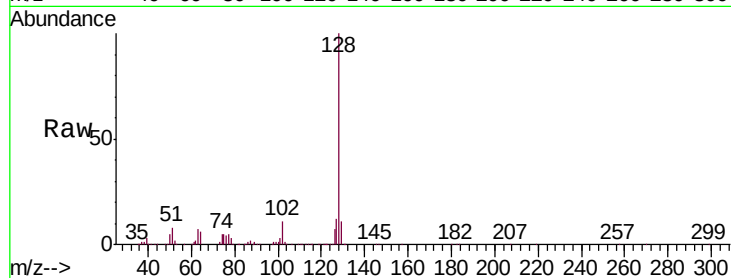
Tgt Ion:128 Resp: 3874595

Ion Ratio Lower Upper

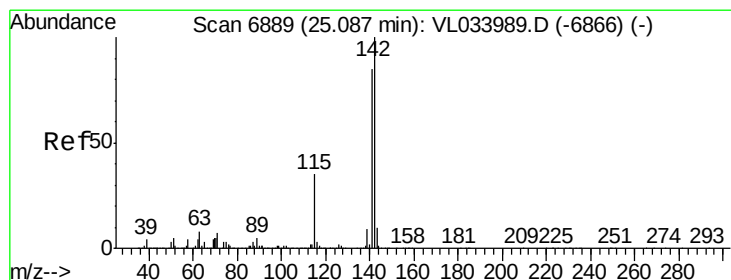
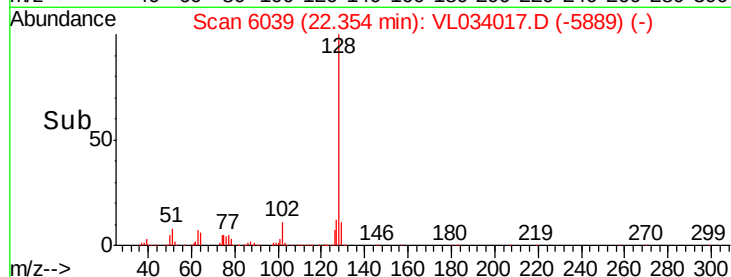
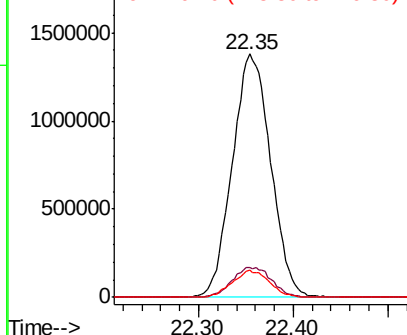
128 100

127 12.2 10.6 15.8

129 11.5 8.3 12.5



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: 13.233 ppbv

RT: 25.08 min Scan# 6886

Delta R.T. -0.01 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

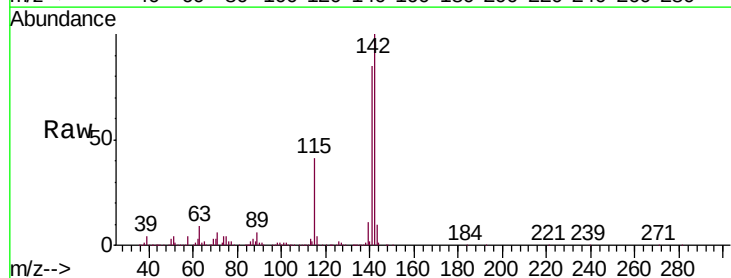
Tgt Ion:142 Resp: 1993192

Ion Ratio Lower Upper

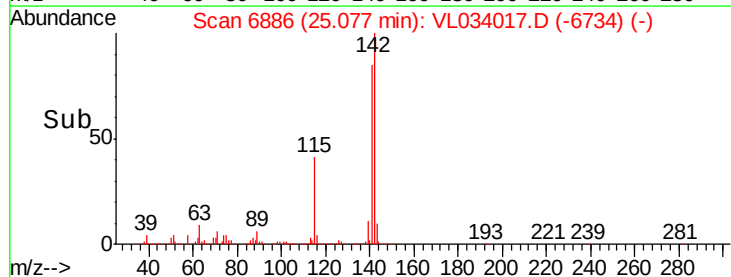
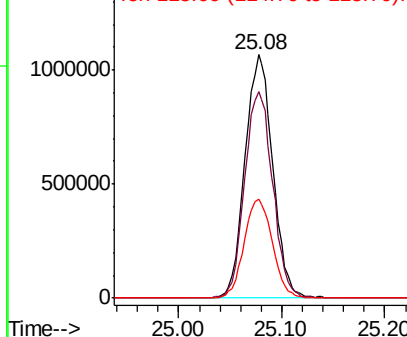
142 100

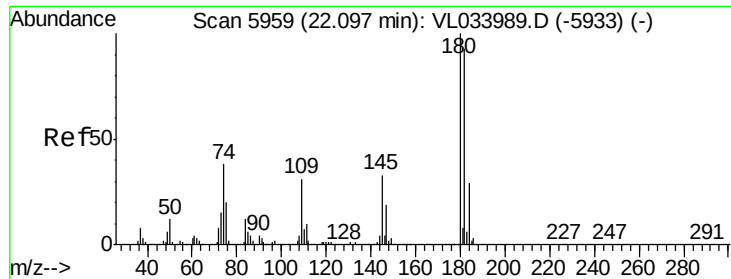
141 86.1 68.2 102.2

115 41.7 29.9 44.9



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: 8.547 ppbv

RT: 22.08 min Scan# 5954

Delta R.T. -0.02 min

Lab File: VL034017.D

Acq: 11 Jul 2019 13:01

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

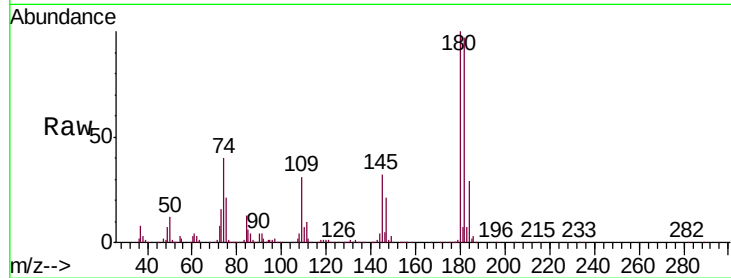
Tgt Ion:180 Resp: 2271989

Ion Ratio Lower Upper

180 100

182 97.3 76.6 114.8

184 30.9 24.6 36.8



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

