

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033357.D
 Acq On : 16 Mar 2019 8:22
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 18 07:53:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	742330	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1646405	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2450003	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1495026	8.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.40%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.08	85	903218	6.919 ppbv	97
3) Chlorodifluoromethane	3.01	51	845639	9.925 ppbv	98
4) Chloromethane	3.17	50	437726	9.487 ppbv	98
5) Vinyl Chloride	3.29	62	435604	9.152 ppbv	97
6) Bromomethane	3.52	94	280027	9.898 ppbv	99
7) Chloroethane	3.60	64	168648	10.140 ppbv	98
8) Dichlorotetrafluoroethane	3.22	85	1095249	9.855 ppbv	99
9) Propene	3.04	41	355026	9.334 ppbv	99
10) Heptane	8.25	43	972077	10.304 ppbv	99
11) Trichlorofluoromethane	4.00	101	1313475	10.104 ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.55	101	837714	9.713 ppbv	100
13) Ethanol	3.65	45	88828	4.899 ppbv	97
14) Bromoethene	3.79	108	351400	9.775 ppbv	99
15) Acetone	3.90	43	853754	7.399 ppbv	99
16) 1,3-Butadiene	3.36	39	378527	10.099 ppbv	97
17) tert-Butyl alcohol	4.35	59	158853	9.782 ppbv	98
18) 1,1-Dichloroethene	4.35	96	372145	9.437 ppbv	98
19) Isopropyl Alcohol	4.02	45	560973	10.220 ppbv	# 99
20) Methylene Chloride	4.41	84	314699	8.362 ppbv	96
21) Allyl Chloride	4.48	41	570004	10.183 ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	383194	10.027 ppbv	96
23) Vinyl Acetate	5.16	43	1307719	9.794 ppbv	100
24) 1,1-Dichloroethane	5.09	63	908329	9.420 ppbv	98
25) Ethyl Acetate	5.77	43	1626011	9.693 ppbv	100
26) Hexane	5.78	57	715304	9.539 ppbv	99
27) Carbon Disulfide	4.62	76	918985	10.645 ppbv	99
28) Methyl tert-Butyl Ether	5.11	73	1022559	9.180 ppbv	99
29) Chloroform	5.85	83	1211366	9.865 ppbv	99
30) Cyclohexane	7.25	84	594806	9.893 ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	766114	10.218 ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1201826	9.969 ppbv	99
34) 2-Butanone	5.33	43	1027977	9.507 ppbv	98
35) Carbon Tetrachloride	7.14	117	1289289	11.108 ppbv	99
36) Benzene	7.01	78	1465315	9.945 ppbv	99
37) 1,2-Dichloroethane	6.42	62	944624	10.139 ppbv	99
38) Trichloroethene	7.97	130	579603	10.395 ppbv	98
39) 1,2-Dichloropropane	7.74	63	557768	10.108 ppbv	97
40) 1,4-Dioxane	7.96	88	199341	10.259 ppbv	96
41) Tetrahydrofuran	6.15	42	597178	10.350 ppbv	99
42) Bromodichloromethane	7.92	83	1346473	10.779 ppbv	97
43) Methyl Methacrylate	8.14	69	611315	10.655 ppbv	99

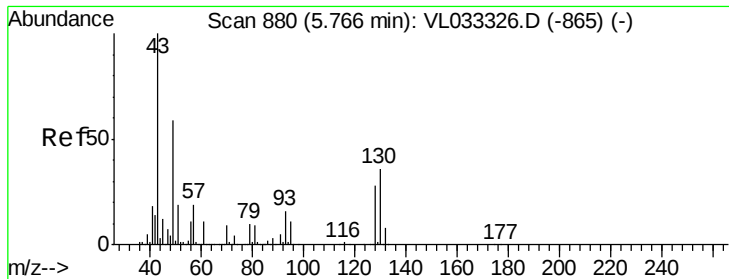
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031519\
 Data File : VL033357.D
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Quant Time: Mar 18 07:53:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	2524907	10.346	ppbv	99
45) t-1,3-Dichloropropene	9.42	75	834287	11.779	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	955876	11.461	ppbv	99
47) 1,1,2-Trichloroethane	9.62	97	629405	10.324	ppbv	95
48) Dibromochloromethane	10.46	129	1310619	12.818	ppbv	99
49) Bromoform	13.21	173	1187066	12.239	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1609955	10.541	ppbv	99
51) 2-Hexanone	10.27	43	1437090	12.196	ppbv #	99
52) Tetrachloroethene	11.38	164	644326	10.497	ppbv	98
53) Toluene	9.95	91	1995747	11.920	ppbv	99
54) 1,2-Dibromoethane	10.77	107	1157424	11.230	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.28	131	928704	8.474	ppbv	95
57) Chlorobenzene	12.31	112	1556257	8.020	ppbv	98
58) Ethyl Benzene	12.87	91	2904558	8.380	ppbv	99
59) m/p-Xylene	13.13	91	2527017	8.484	ppbv #	100
60) o-Xylene	13.86	91	2461098	8.470	ppbv	99
61) Styrene	13.69	104	1803342	8.864	ppbv	99
62) Isopropylbenzene	14.83	105	3415169	8.454	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.84	83	1707833	8.130	ppbv	100
64) n-propylbenzene	15.73	120	872550	8.536	ppbv	99
65) tert-Butylbenzene	16.91	119	3049680	8.385	ppbv	99
66) Benzyl Chloride	17.16	91	1615124	10.746	ppbv	99
67) sec-Butylbenzene	17.46	105	4360911	8.462	ppbv	100
69) p-Isopropyltoluene	17.82	119	3637122	8.638	ppbv	100
70) n-Butylbenzene	18.72	91	3845078	8.564	ppbv	100
71) 2-Chlorotoluene	15.62	91	2642018	8.402	ppbv	100
72) 4-Ethyltoluene	16.01	105	2869327	8.695	ppbv	99
73) 1,3,5-Trimethylbenzene	16.16	105	2769846	8.616	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	2834583	8.326	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	1632914	8.138	ppbv	99
76) 1,4-Dichlorobenzene	17.31	146	1627576	8.377	ppbv	99
77) 1,2-Dichlorobenzene	17.99	146	1612642	8.485	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	845889	7.424	ppbv	99
79) Naphthalene	22.42	128	2773764	8.454	ppbv	98
80) Naphthalene, 2-methyl-	25.12	142	1421796	9.139	ppbv	98
81) 1,2,4-Trichlorobenzene	22.14	180	1378413	8.239	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

ClientSampleId :

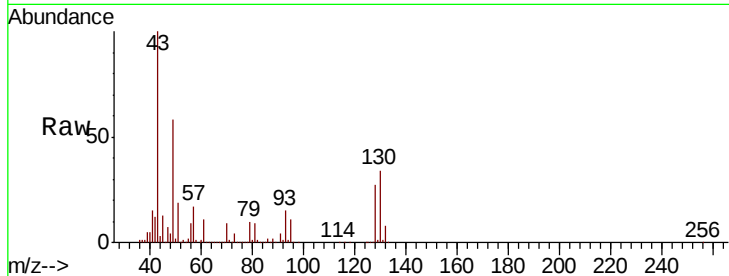
Tot Ion: 49 Resp: 742330

Ion Ratio Lower Upper

49 100

128 47.2 23.5 70.6

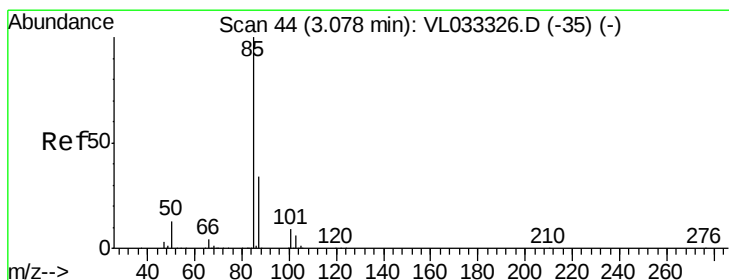
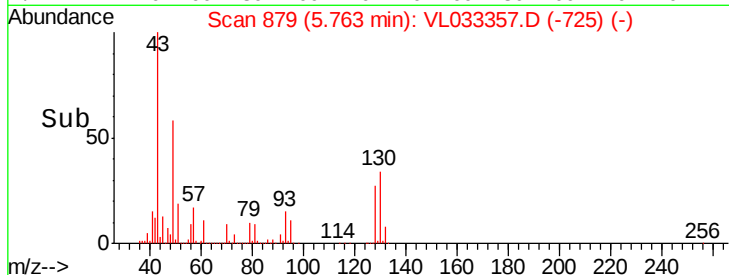
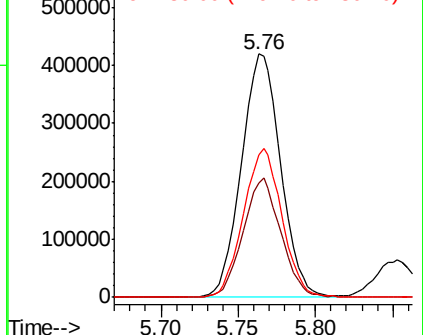
130 60.1 30.1 90.3



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: 6.919 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL033357.D

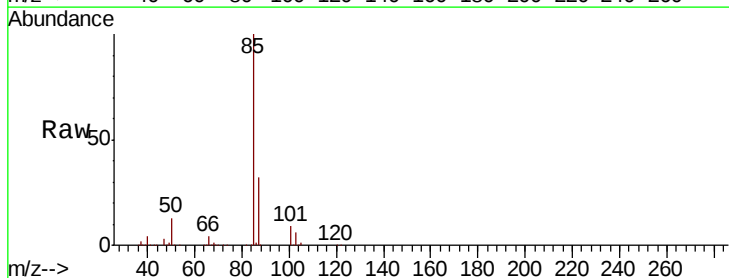
Acq: 16 Mar 2019 8:22

Tgt Ion: 85 Resp: 903218

Ion Ratio Lower Upper

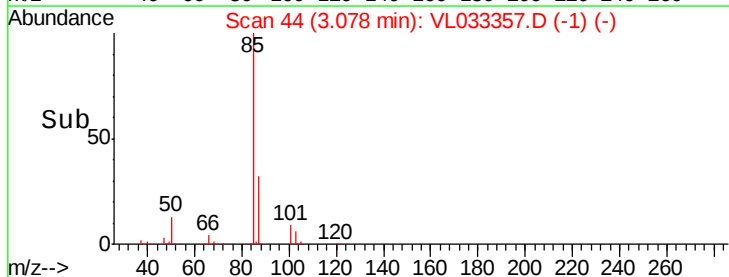
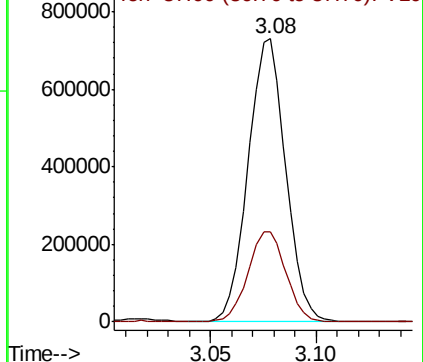
85 100

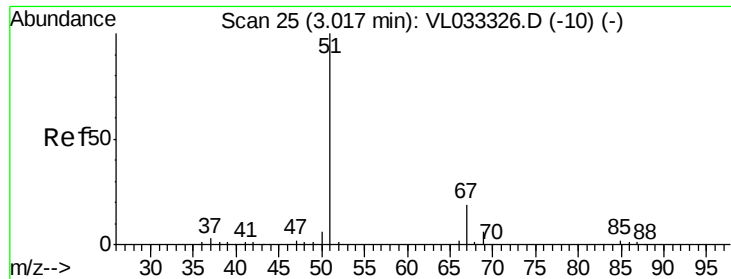
87 31.9 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.925 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

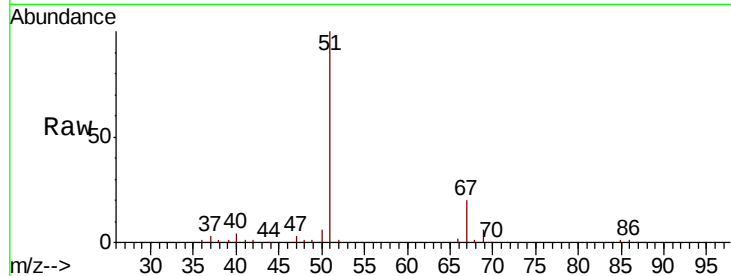
ClientSampleId :

Tot Ion: 51 Resp: 845639

Ion Ratio Lower Upper

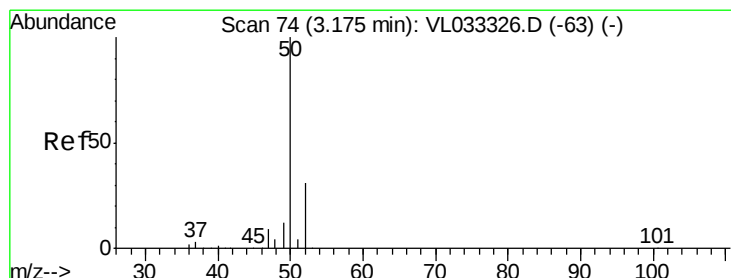
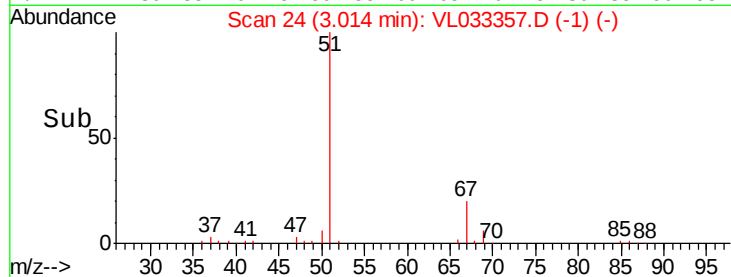
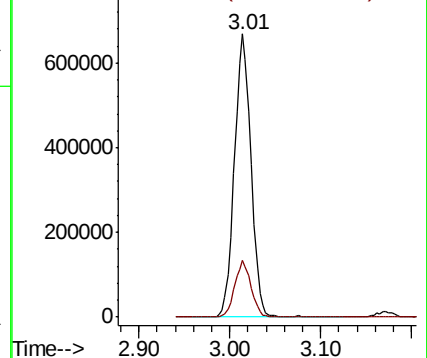
51 100

67 19.5 14.9 22.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.487 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL033357.D

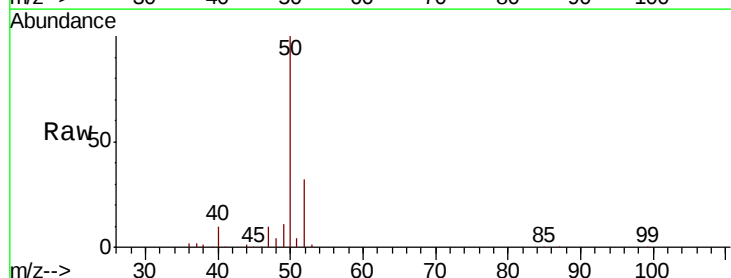
Acq: 16 Mar 2019 8:22

Tgt Ion: 50 Resp: 437726

Ion Ratio Lower Upper

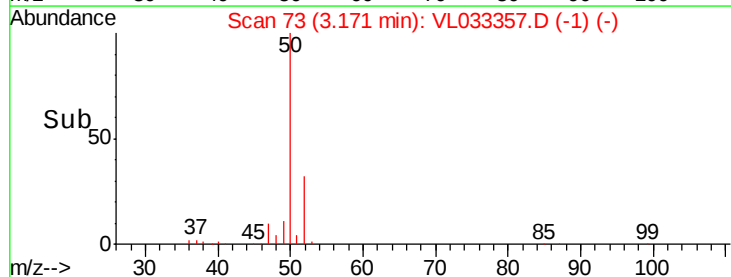
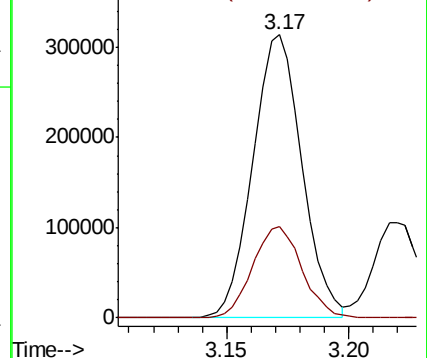
50 100

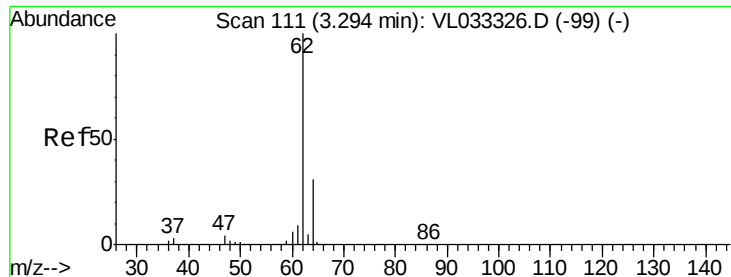
52 32.3 25.0 37.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.152 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

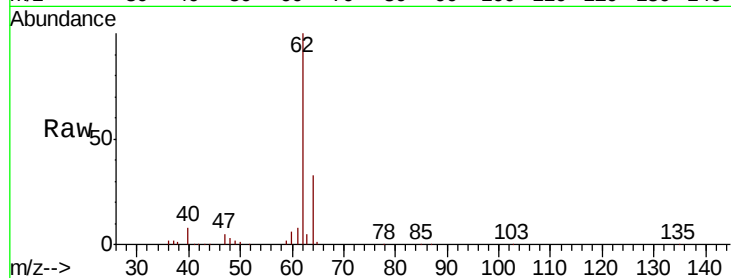
ClientSampleId :

Tot Ion: 62 Resp: 435604

Ion Ratio Lower Upper

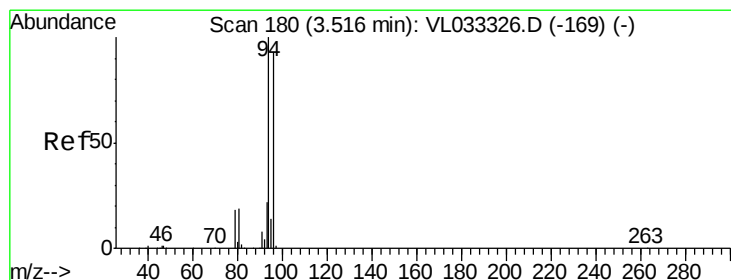
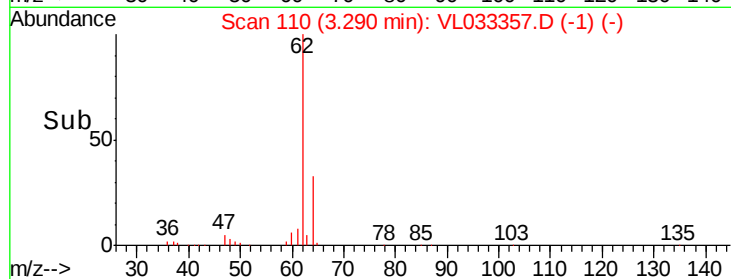
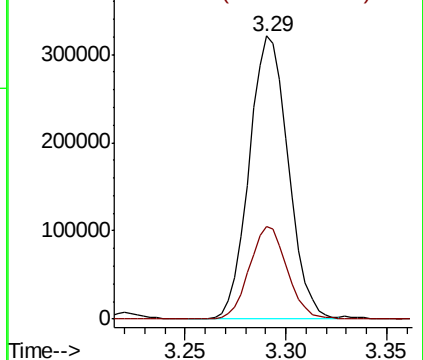
62 100

64 32.8 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.898 ppbv

RT: 3.52 min Scan# 180

Delta R.T. -0.00 min

Lab File: VL033357.D

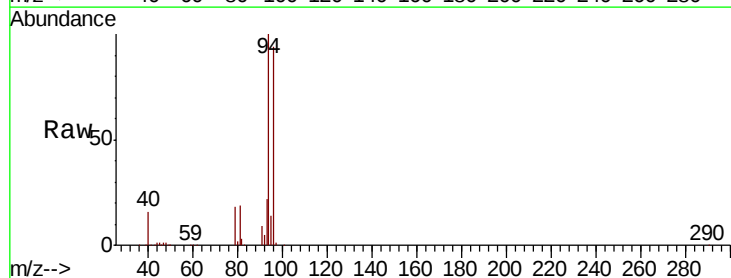
Acq: 16 Mar 2019 8:22

Tgt Ion: 94 Resp: 280027

Ion Ratio Lower Upper

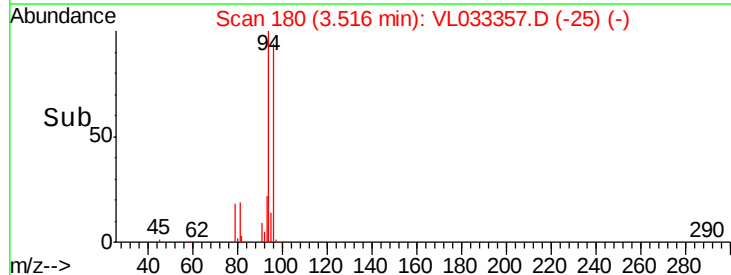
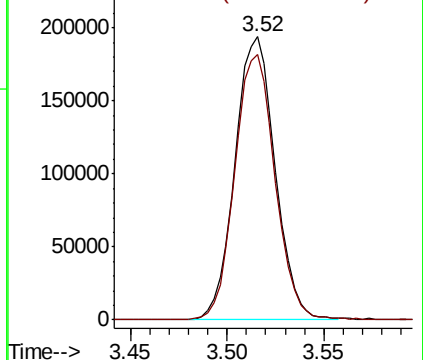
94 100

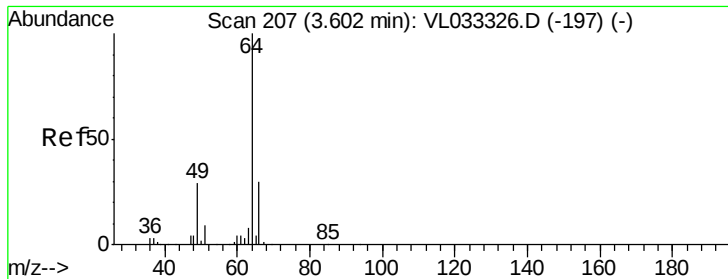
96 93.8 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.140 ppbv

RT: 3.60 min Scan# 206

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

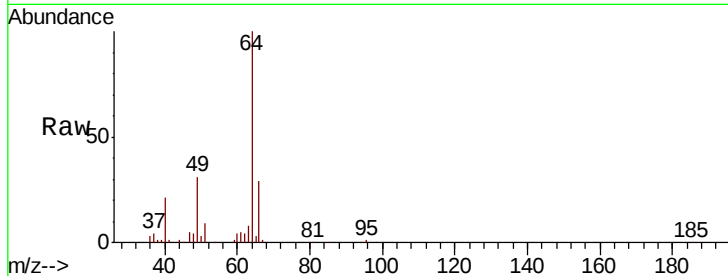
ClientSampleId :

Tot Ion: 64 Resp: 168648

Ion Ratio Lower Upper

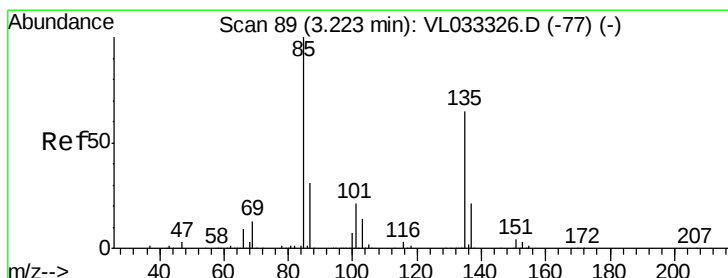
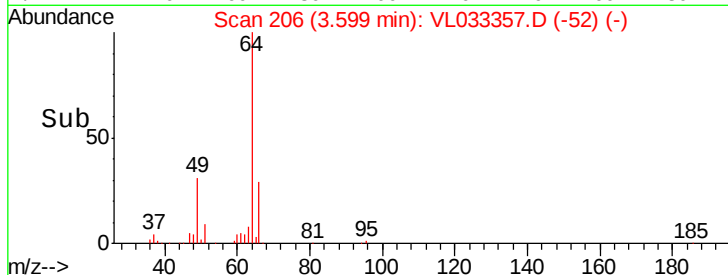
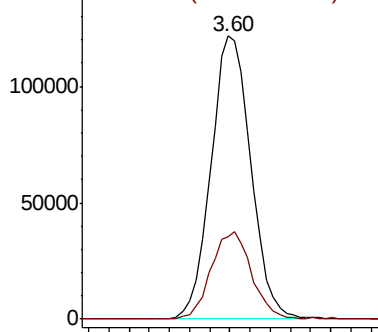
64 100

66 29.0 24.0 36.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.855 ppbv

RT: 3.22 min Scan# 88

Delta R.T. -0.00 min

Lab File: VL033357.D

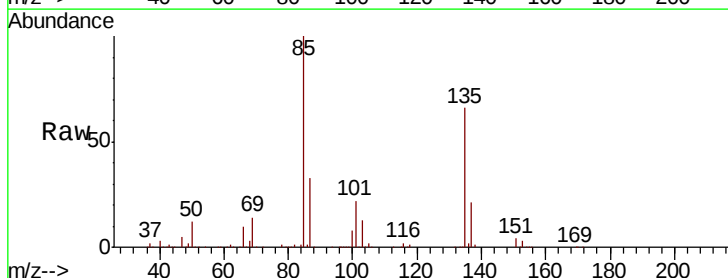
Acq: 16 Mar 2019 8:22

Tgt Ion: 85 Resp: 1095249

Ion Ratio Lower Upper

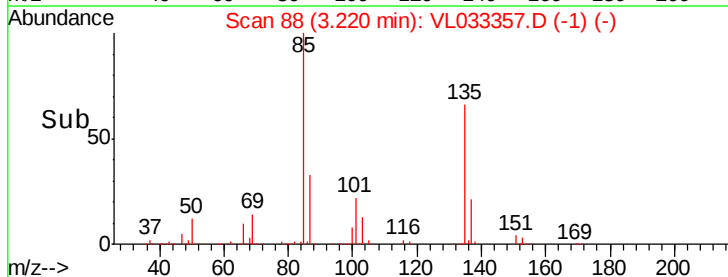
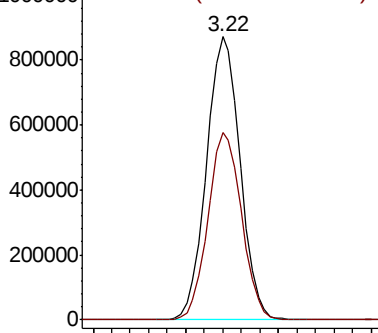
85 100

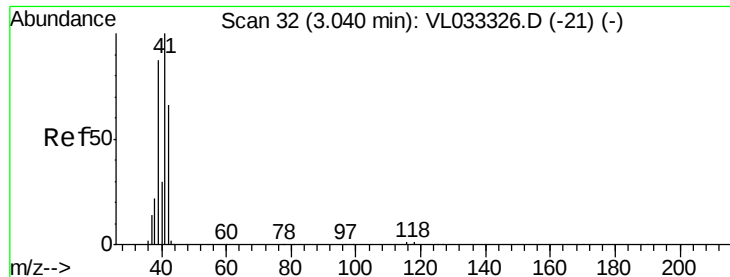
135 66.2 53.4 80.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.334 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

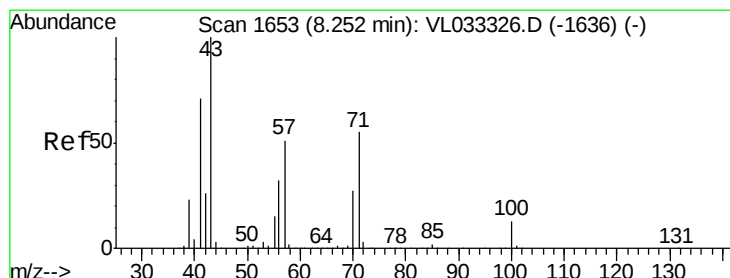
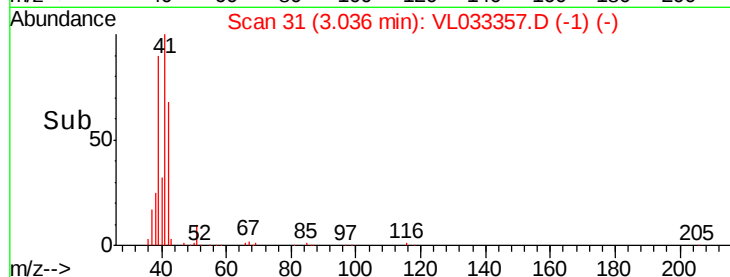
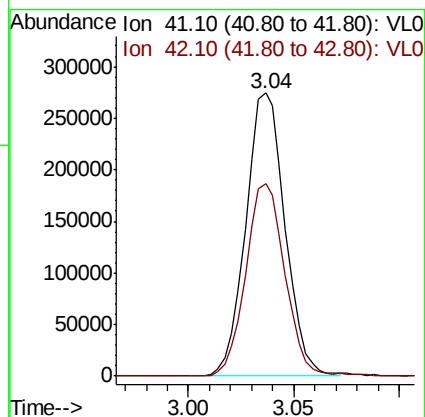
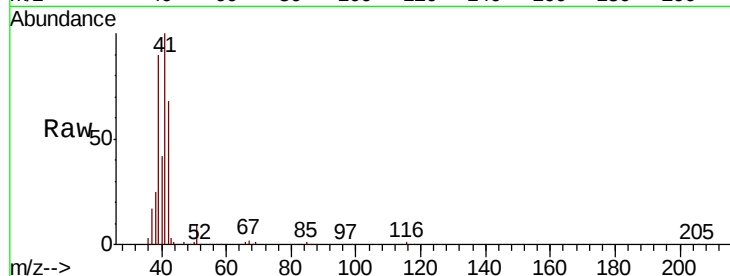
ClientSampleId :

Tot Ion: 41 Resp: 355026

Ion Ratio Lower Upper

41 100

42 68.5 55.2 82.8



#10

Heptane

Concen: 10.304 ppbv

RT: 8.25 min Scan# 1652

Delta R.T. -0.00 min

Lab File: VL033357.D

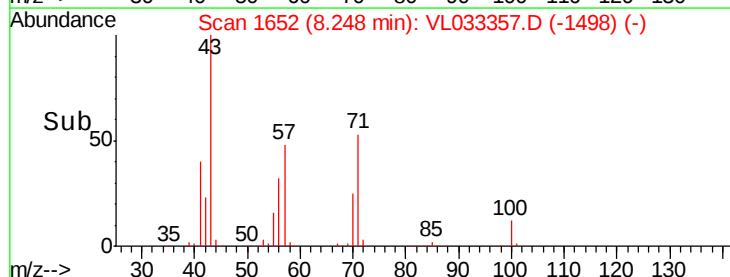
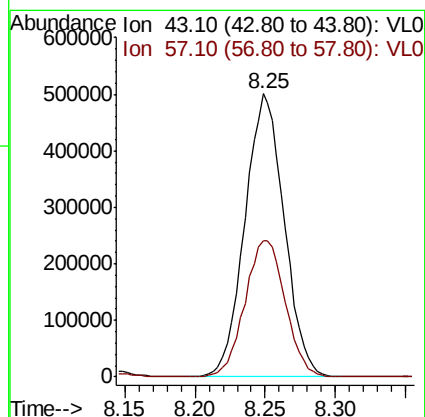
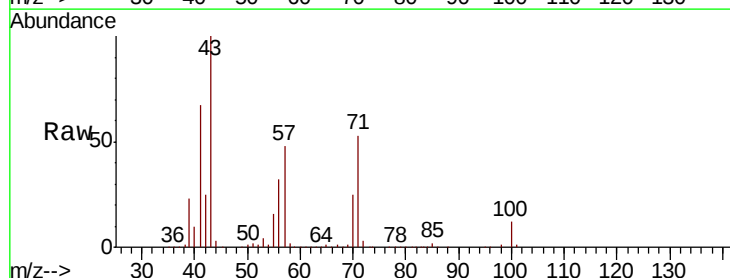
Acq: 16 Mar 2019 8:22

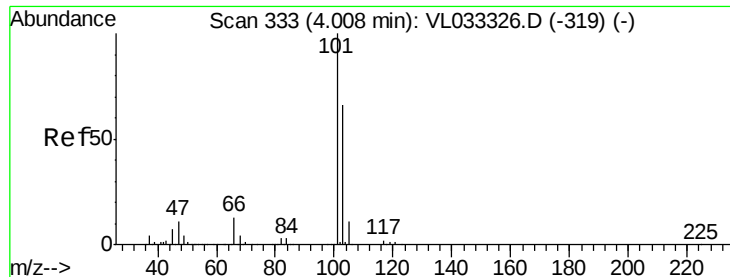
Tgt Ion: 43 Resp: 972077

Ion Ratio Lower Upper

43 100

57 49.9 40.4 60.6

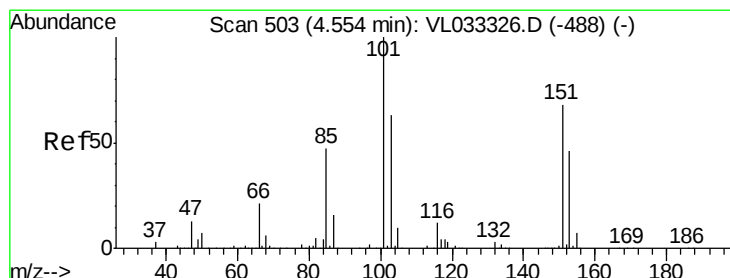
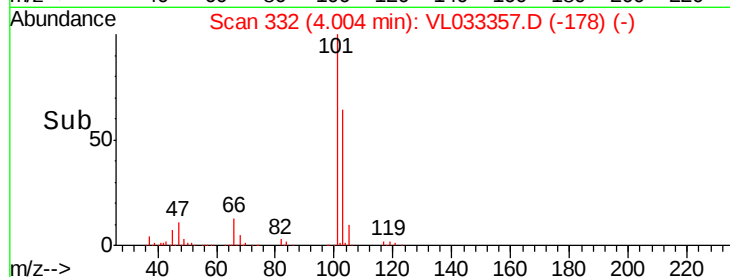
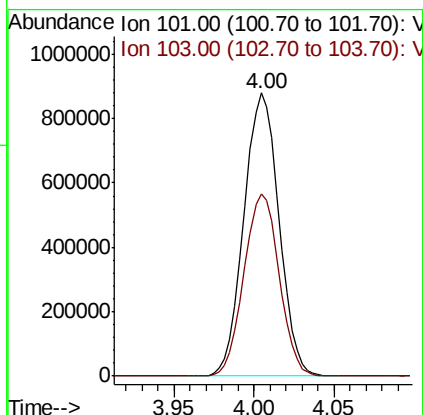
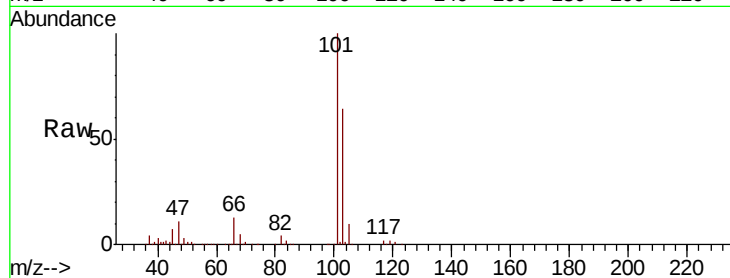




#11
 Trichlorofluoromethane
 Concen: 10.104 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

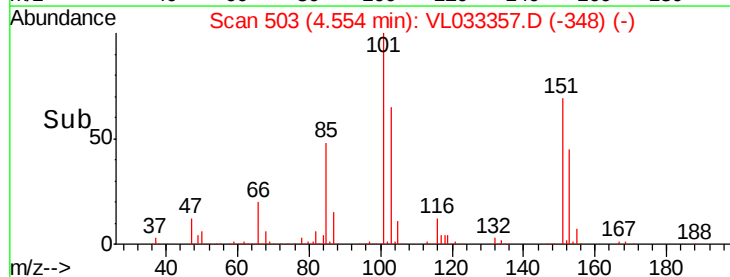
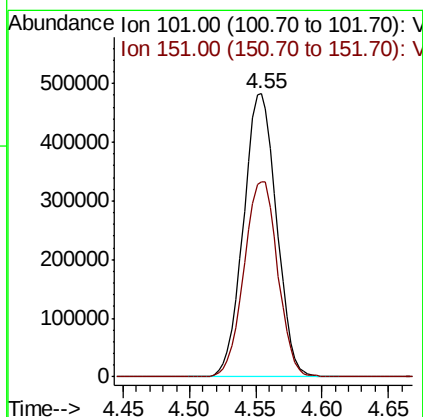
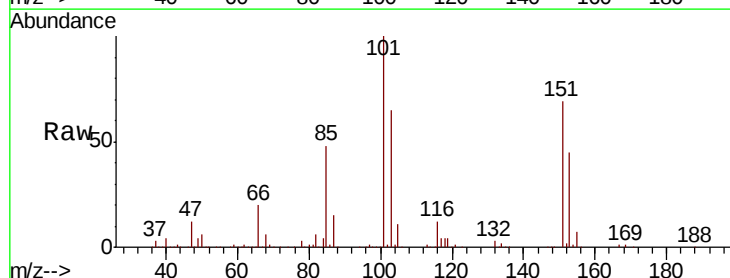
Instrument :
 MSVOA_L
 ClientSampleId :

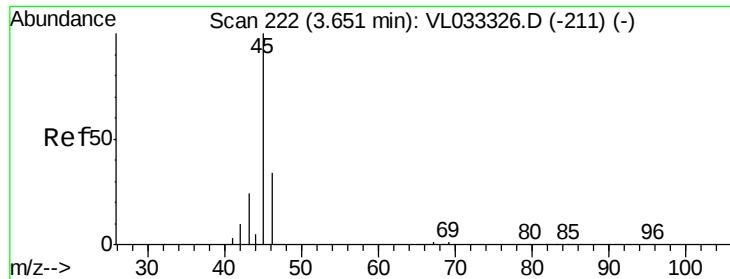
Tot Ion:101 Resp: 1313475
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.713 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

Tgt Ion:101 Resp: 837714
 Ion Ratio Lower Upper
 101 100
 151 70.4 56.3 84.5





#13

Ethanol

Concen: 4.899 ppbv

RT: 3.65 min Scan# 222

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

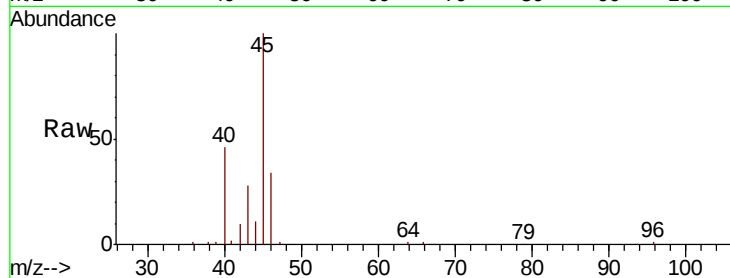
ClientSampled :

Tot Ion: 45 Resp: 88828

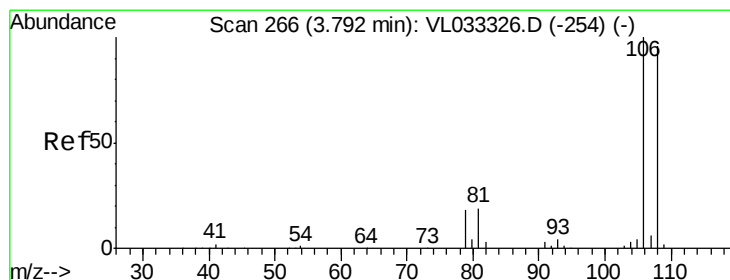
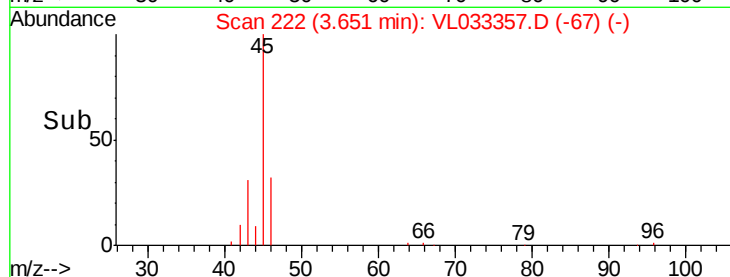
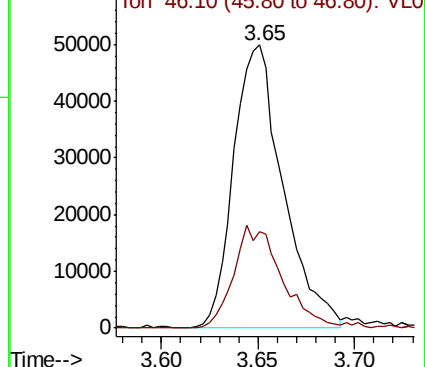
Ion Ratio Lower Upper

45 100

46 35.5 14.9 59.7



Abundance Ion 45.10 (44.80 to 45.80): VL0



#14

Bromoethene

Concen: 9.775 ppbv

RT: 3.79 min Scan# 265

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

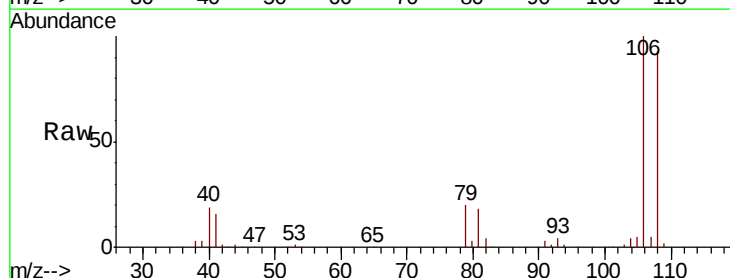
Tgt Ion: 108 Resp: 351400

Ion Ratio Lower Upper

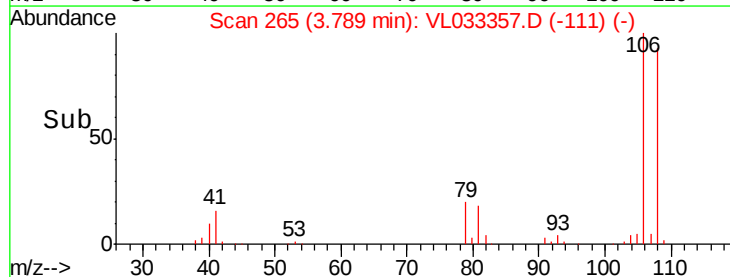
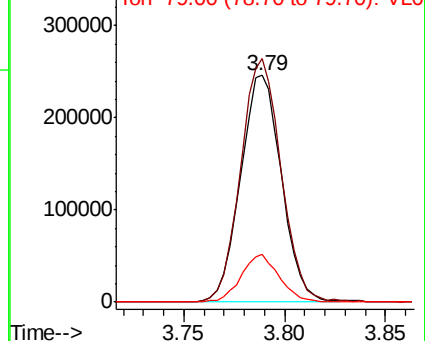
108 100

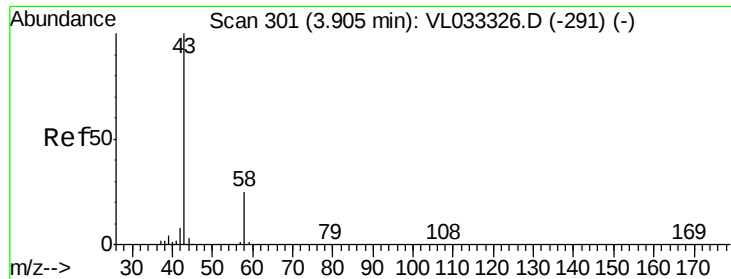
106 106.4 86.2 129.2

79 19.6 15.4 23.2



Abundance Ion 108.00 (107.70 to 108.70): V





#15

Acetone

Concen: 7.399 ppbv

RT: 3.90 min Scan# 300

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

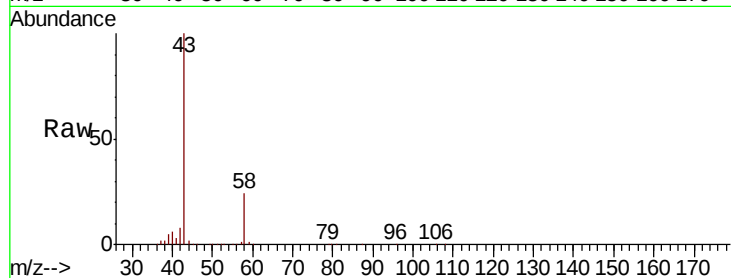
ClientSampleId :

Tot Ion: 43 Resp: 853754

Ion Ratio Lower Upper

43 100

58 24.9 20.4 30.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.90

600000

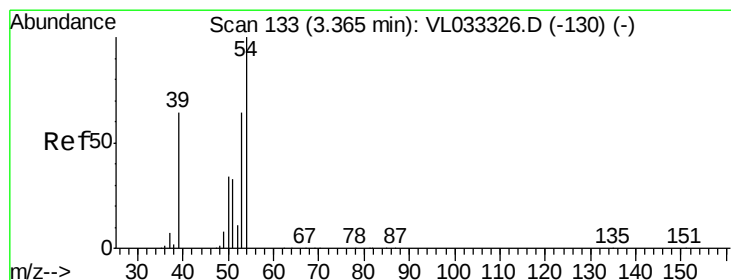
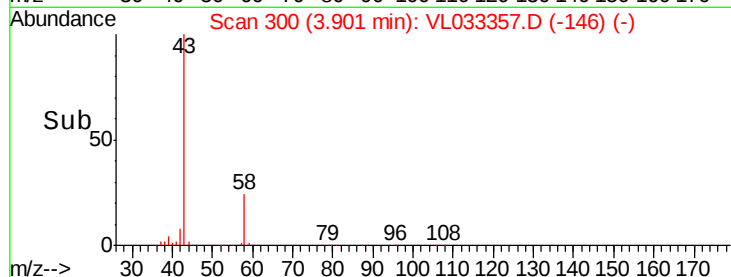
400000

200000

0

Time-->

3.85 3.90 3.95



#16

1,3-Butadiene

Concen: 10.099 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL033357.D

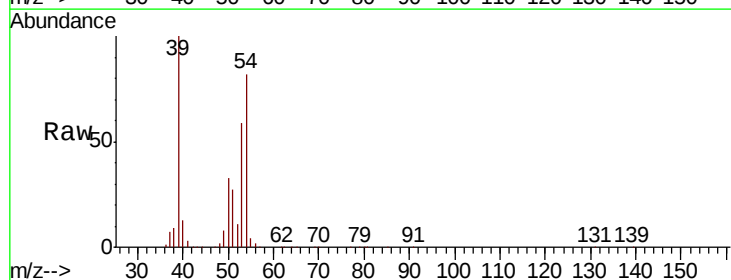
Acq: 16 Mar 2019 8:22

Tgt Ion: 39 Resp: 378527

Ion Ratio Lower Upper

39 100

54 92.7 76.8 115.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.36

300000

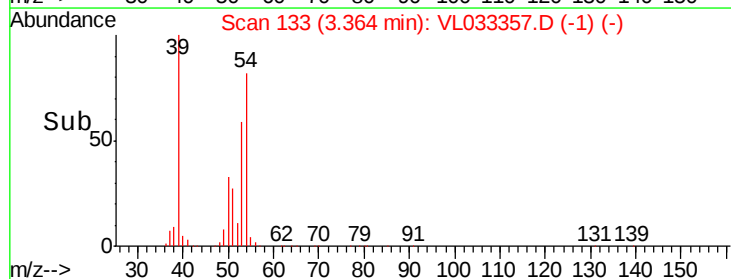
200000

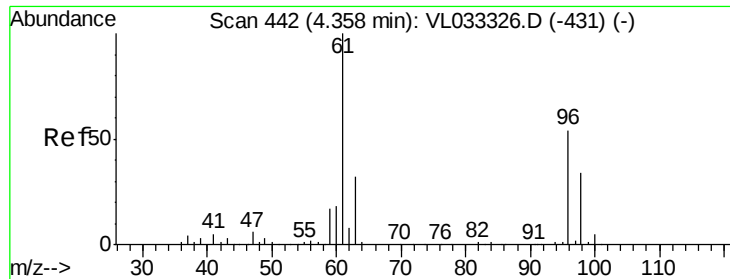
100000

0

Time-->

3.34 3.36 3.38 3.40



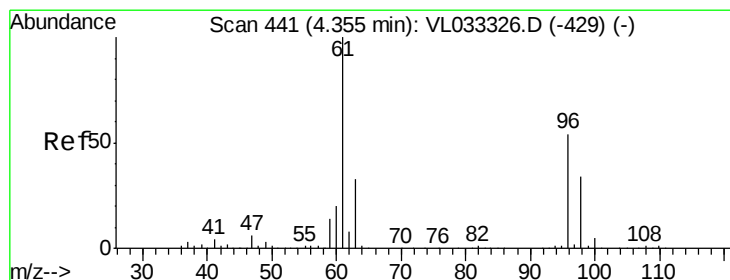
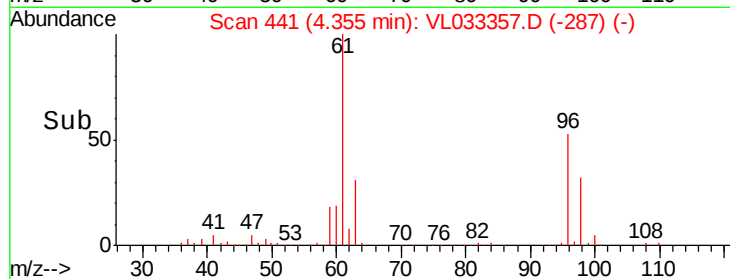
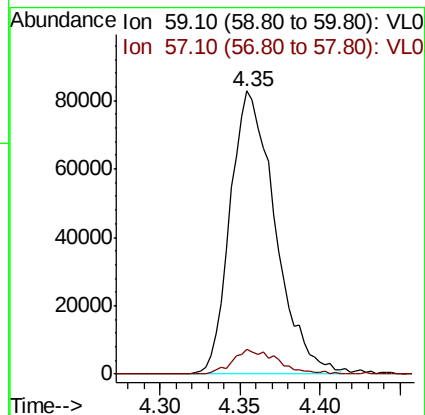
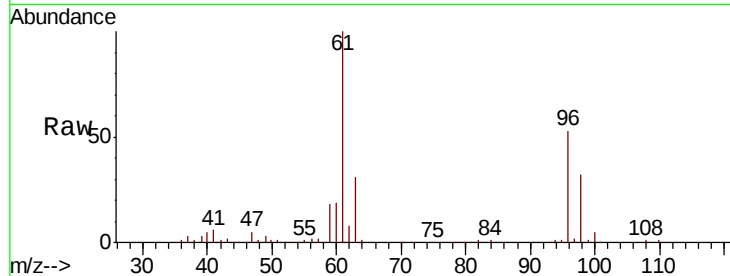


#17

tert-Butyl alcohol
Concen: 9.782 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Instrument :
MSVOA_L
ClientSampled :

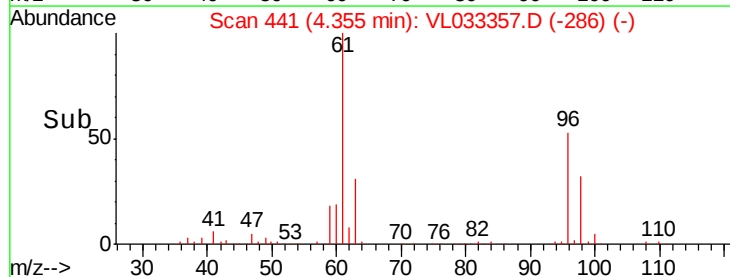
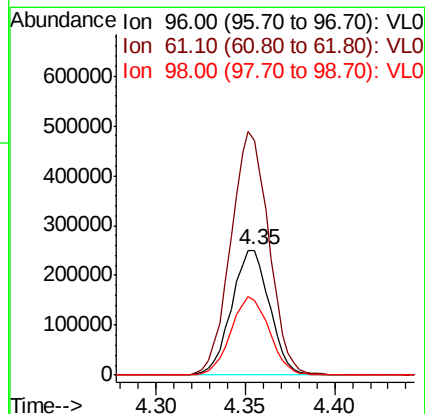
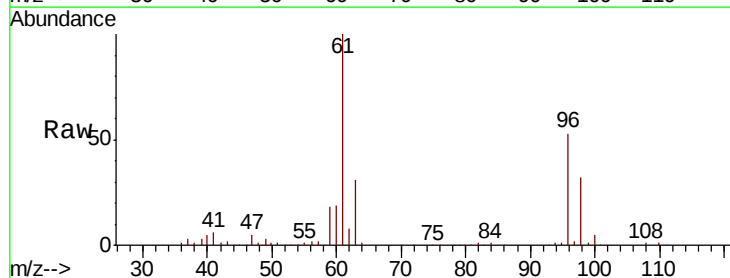
Tot Ion: 59 Resp: 158853
Ion Ratio Lower Upper
59 100
57 9.0 7.7 11.5

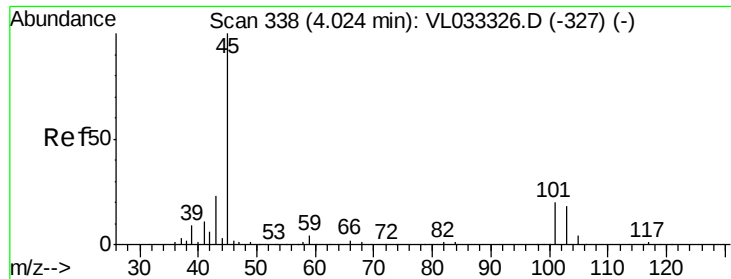


#18

1,1-Dichloroethene
Concen: 9.437 ppbv
RT: 4.35 min Scan# 441
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion: 96 Resp: 372145
Ion Ratio Lower Upper
96 100
61 187.4 148.6 222.8
98 60.1 50.3 75.5

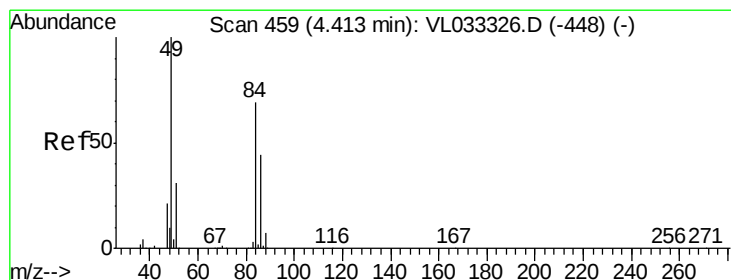
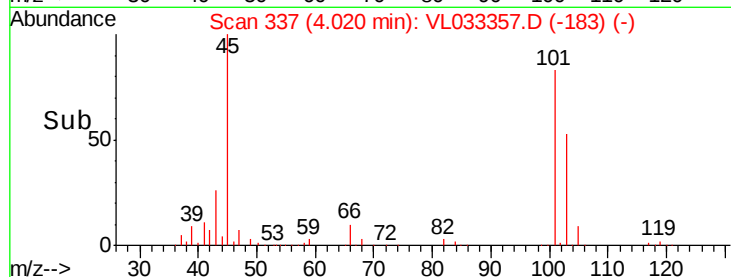
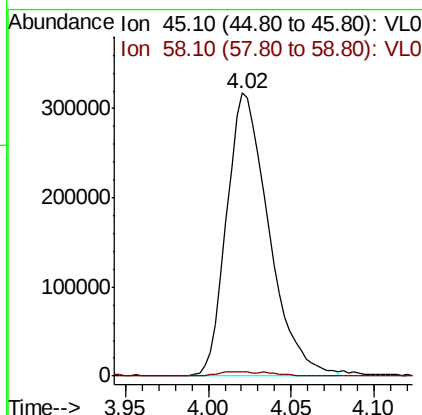
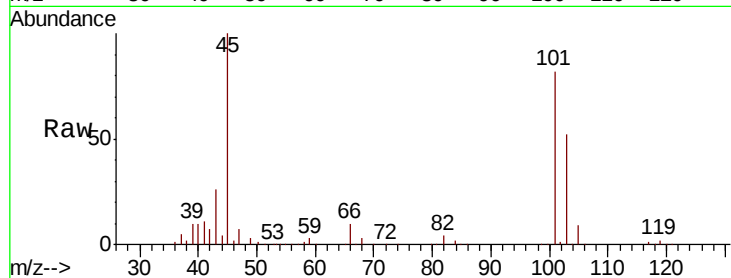




#19
Isopropyl Alcohol
Concen: 10.220 ppbv
RT: 4.02 min Scan# 337
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

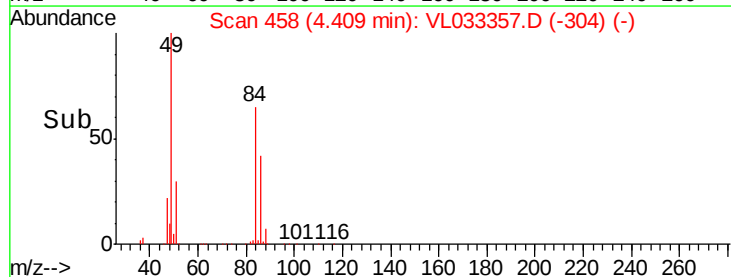
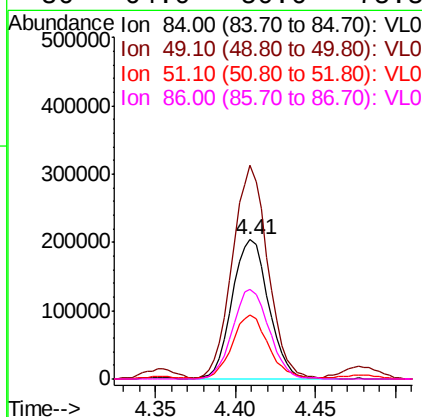
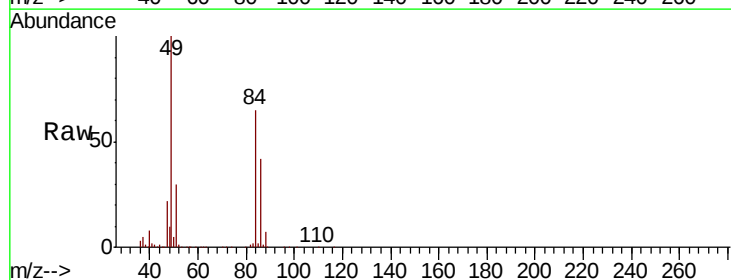
Instrument :
MSVOA_L
ClientSampled :

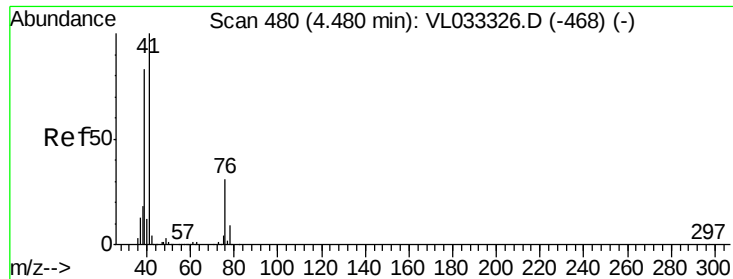
Tot Ion: 45 Resp: 560973
Ion Ratio Lower Upper
45 100
58 2.4 1.5 2.3#



#20
Methylene Chloride
Concen: 8.362 ppbv
RT: 4.41 min Scan# 458
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion: 84 Resp: 314699
Ion Ratio Lower Upper
84 100
49 152.9 115.4 173.0
51 45.3 35.8 53.6
86 64.0 50.6 75.8

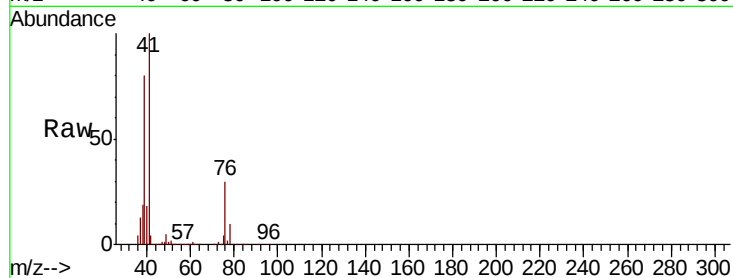




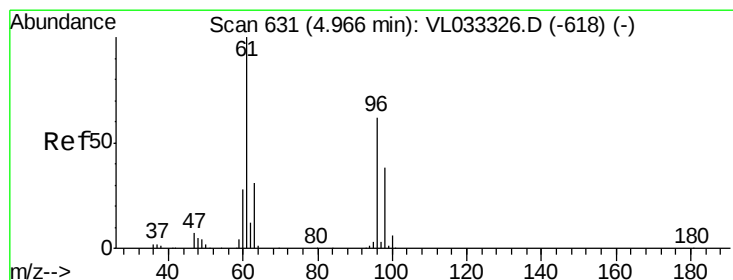
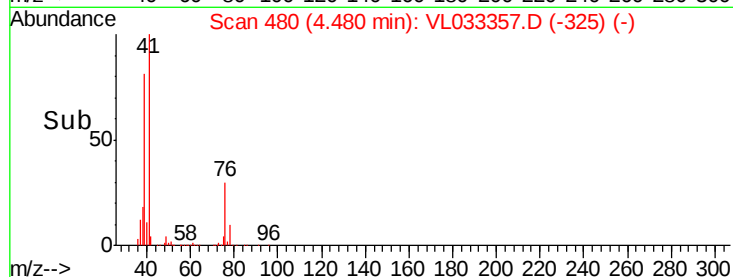
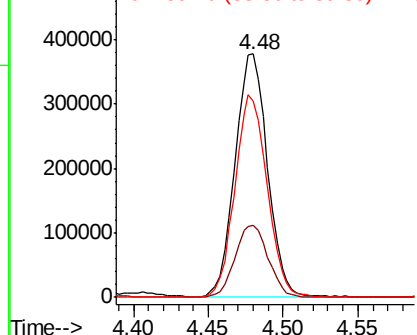
#21
Allvl Chloride
Concen: 10.183 ppbv
RT: 4.48 min Scan# 480
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 570004
Ion Ratio Lower Upper
41 100
76 30.4 25.0 37.4
39 82.7 65.9 98.9

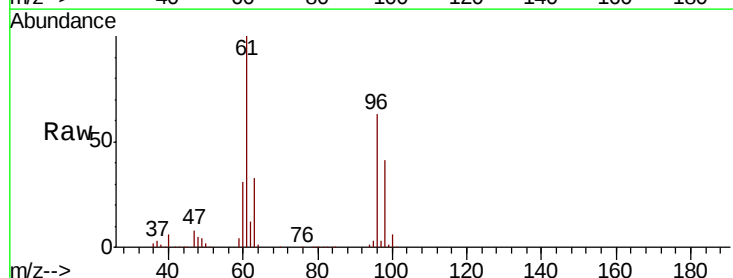


Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0

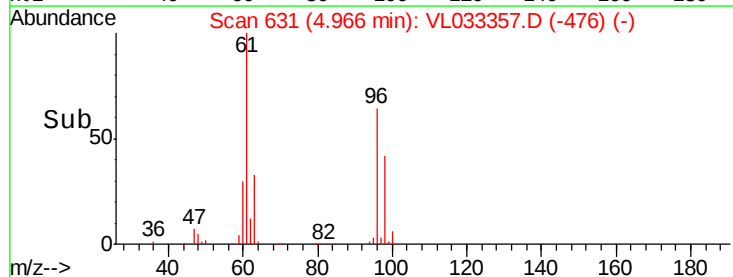
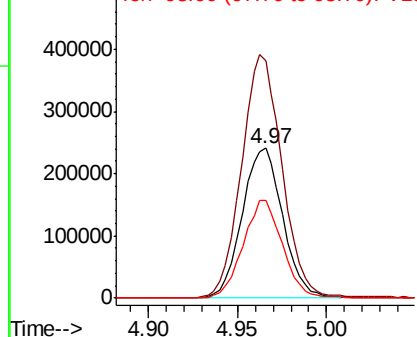


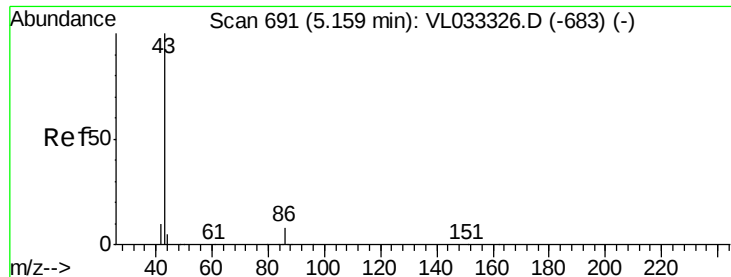
#22
trans-1,2-Dichloroethene
Concen: 10.027 ppbv
RT: 4.97 min Scan# 631
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion: 96 Resp: 383194
Ion Ratio Lower Upper
96 100
61 157.7 130.0 195.0
98 65.2 50.0 75.0



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: 9.794 ppbv

RT: 5.16 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1307719

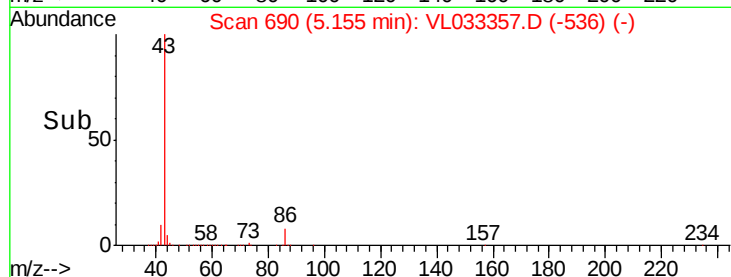
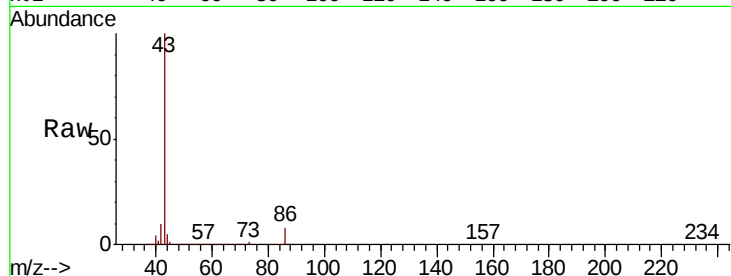
Ion Ratio Lower Upper

43 100

86 7.5 6.2 9.2

42 10.2 8.1 12.1

44 5.3 4.1 6.1

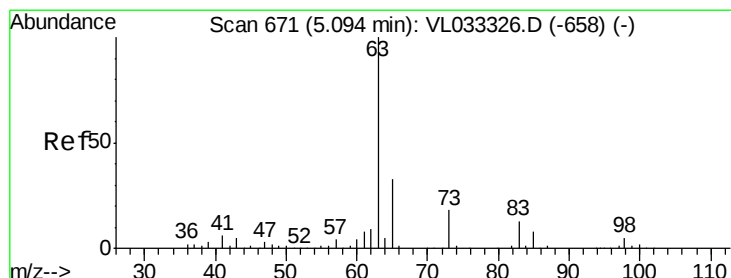
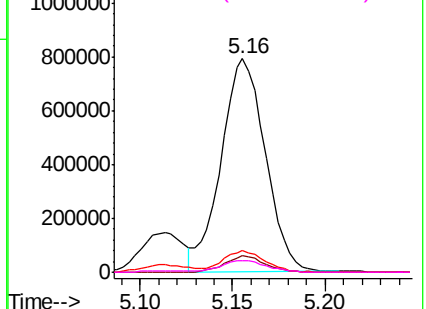


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.420 ppbv

RT: 5.09 min Scan# 670

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

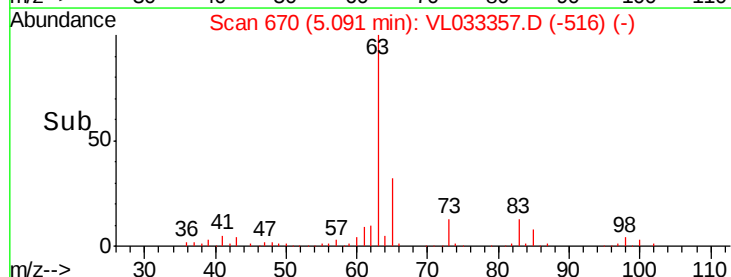
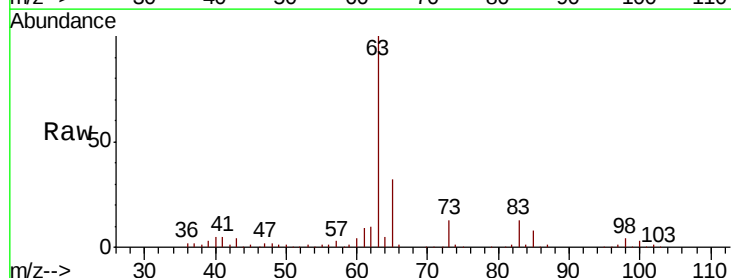
Tgt Ion: 63 Resp: 908329

Ion Ratio Lower Upper

63 100

98 3.9 2.4 7.1

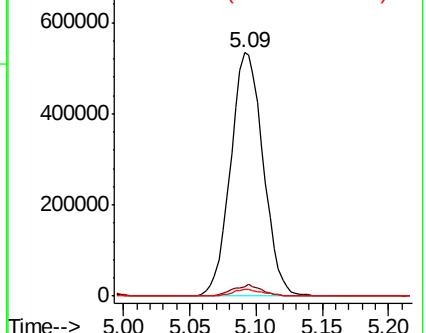
100 2.7 1.3 3.8

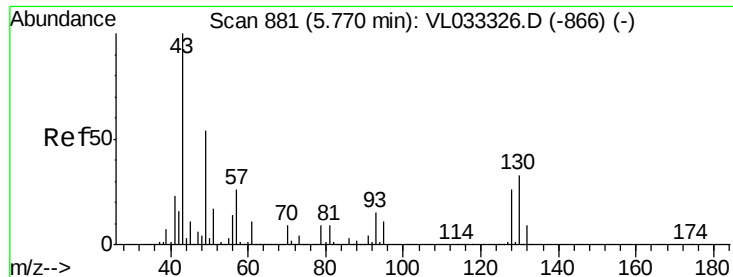


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



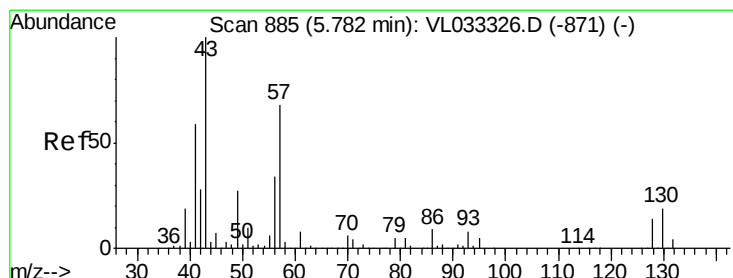
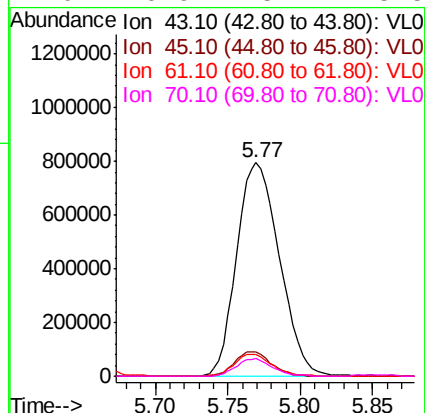
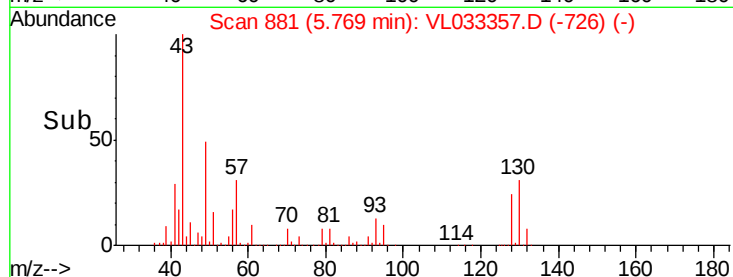
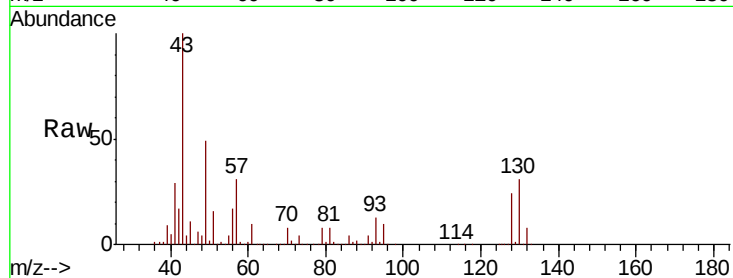


#25
Ethyl Acetate
Concen: 9.693 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1626011

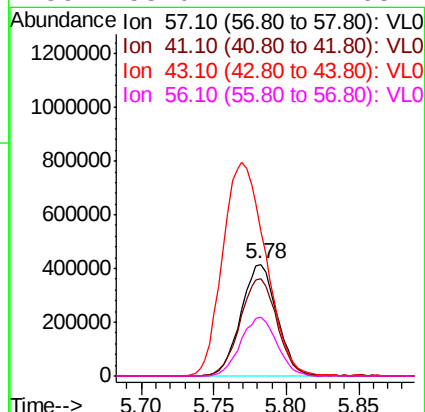
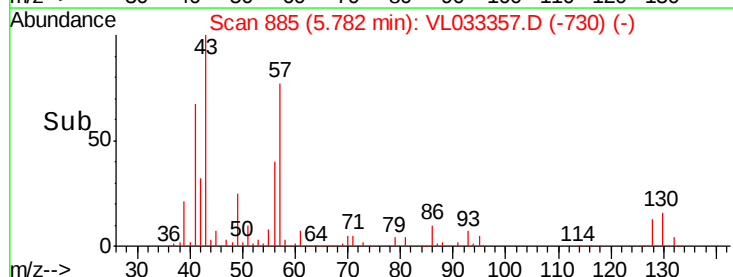
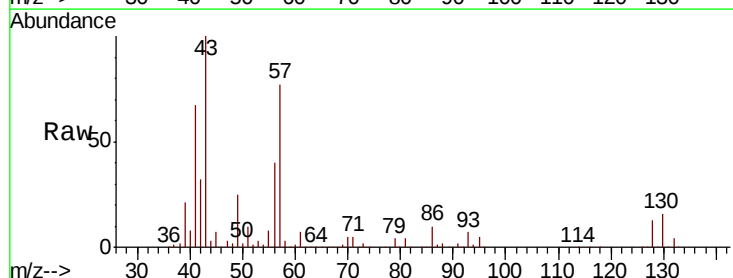
Ion	Ratio	Lower	Upper
43	100		
45	10.0	7.9	11.9
61	9.2	7.4	11.2
70	6.9	5.7	8.5

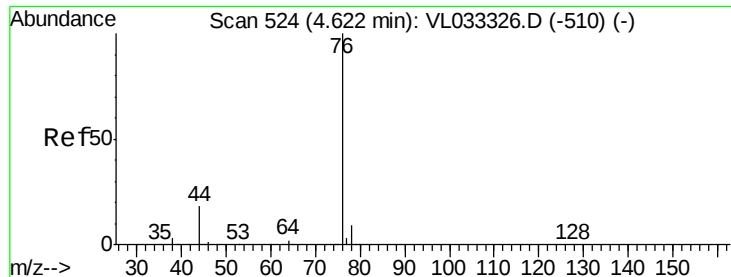


#26
Hexane
Concen: 9.539 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion: 57 Resp: 715304

Ion	Ratio	Lower	Upper
57	100		
41	89.7	70.5	105.7
43	229.3	181.8	272.8
56	53.0	42.2	63.2

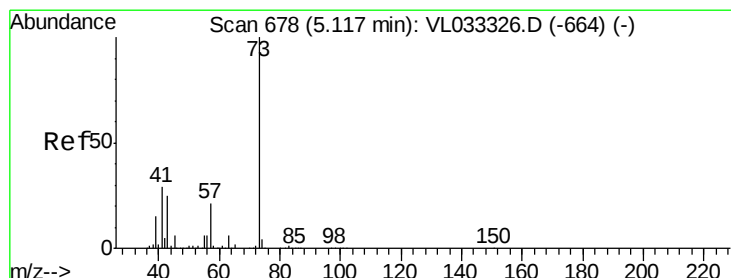
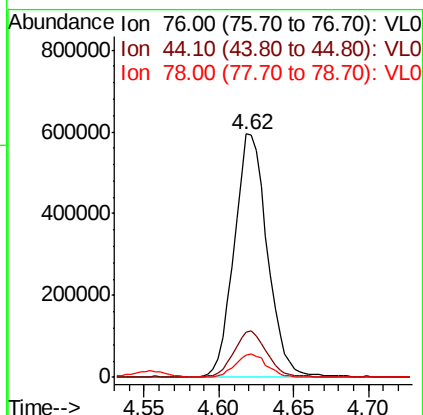
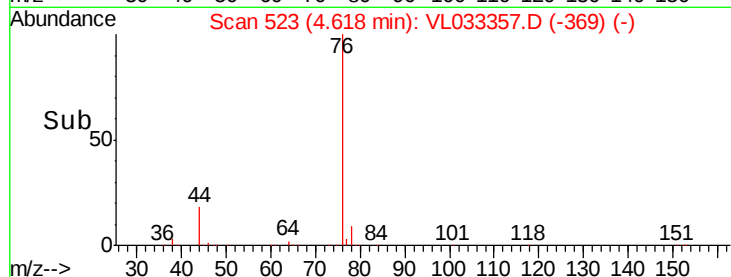
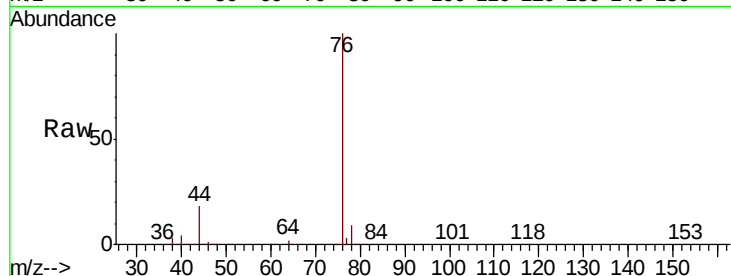




#27
Carbon Disulfide
Concen: 10.645 ppbv
RT: 4.62 min Scan# 523
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

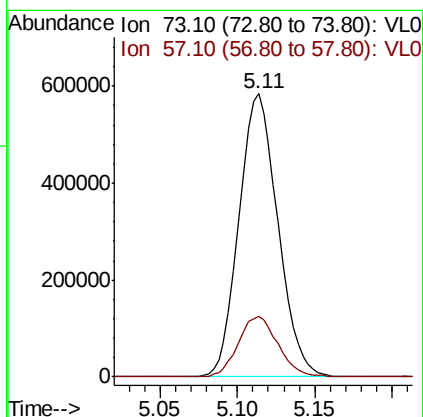
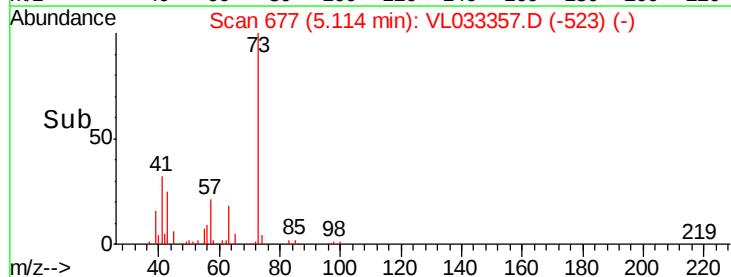
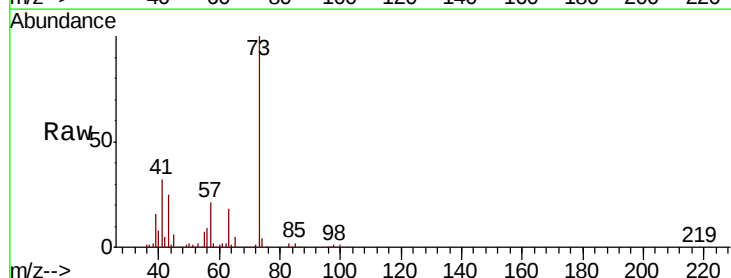
Instrument :
MSVOA_L
ClientSampleId :

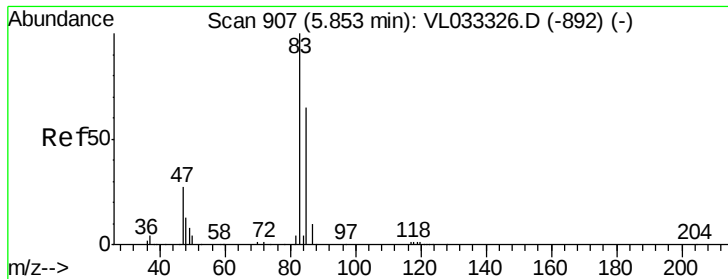
Tot Ion: 76 Resp: 918985
Ion Ratio Lower Upper
76 100
44 18.7 15.2 22.8
78 9.3 7.2 10.8



#28
Methyl tert-Butyl Ether
Concen: 9.180 ppbv
RT: 5.11 min Scan# 677
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion: 73 Resp: 1022559
Ion Ratio Lower Upper
73 100
57 22.0 17.4 26.0

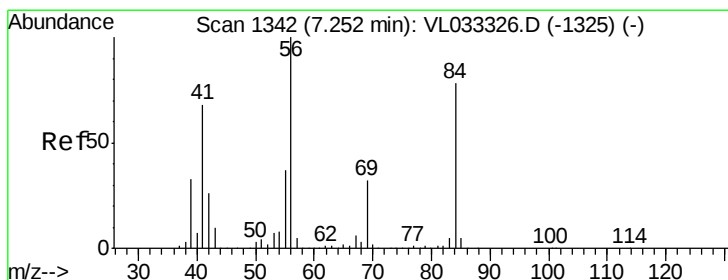
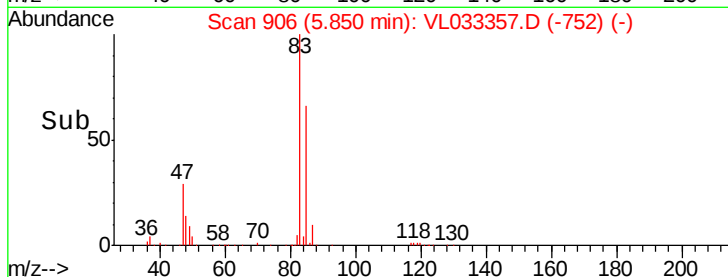
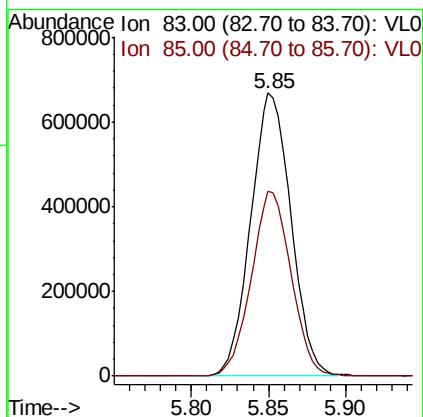
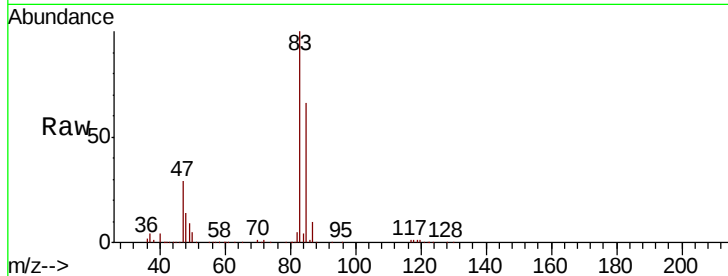




#29
Chloroform
Concen: 9.865 ppbv
RT: 5.85 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

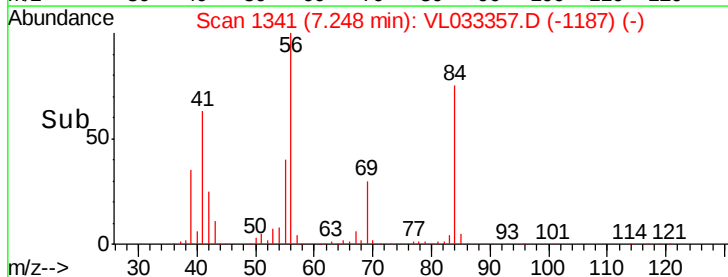
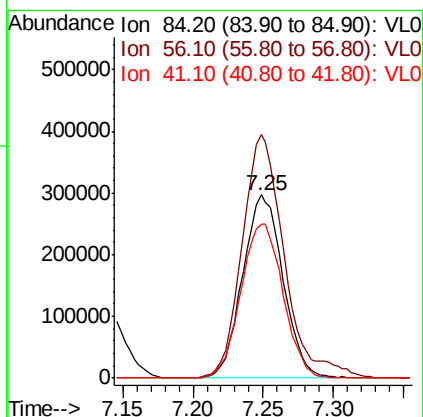
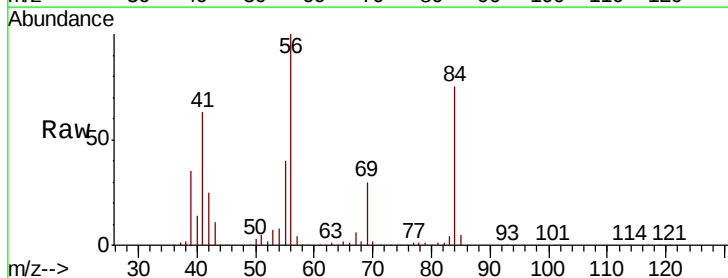
Instrument :
MSVOA_L
ClientSampleId :

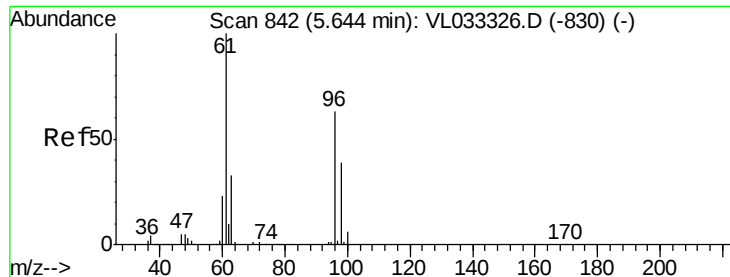
Tot Ion: 83 Resp: 1211366
Ion Ratio Lower Upper
83 100
85 65.4 52.0 78.0



#30
Cyclohexane
Concen: 9.893 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion: 84 Resp: 594806
Ion Ratio Lower Upper
84 100
56 139.1 111.3 166.9
41 88.2 69.6 104.4



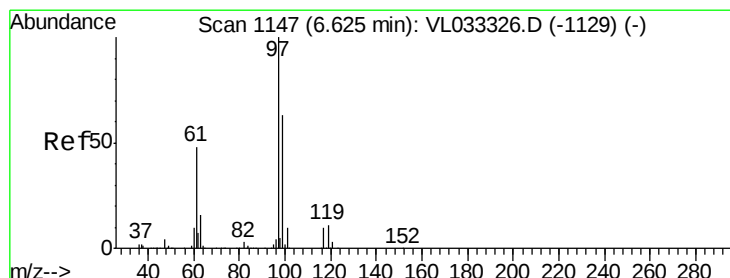
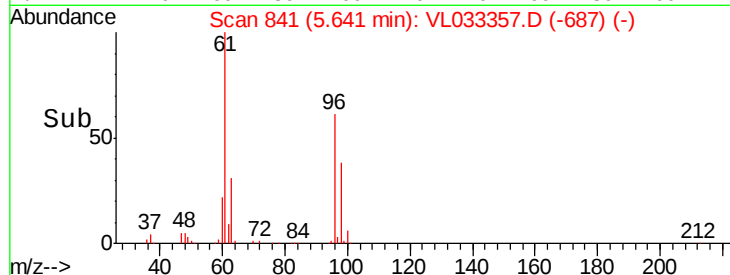
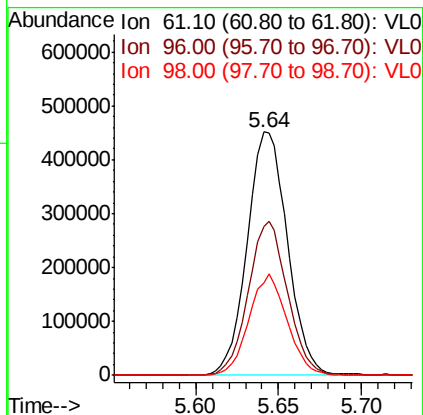
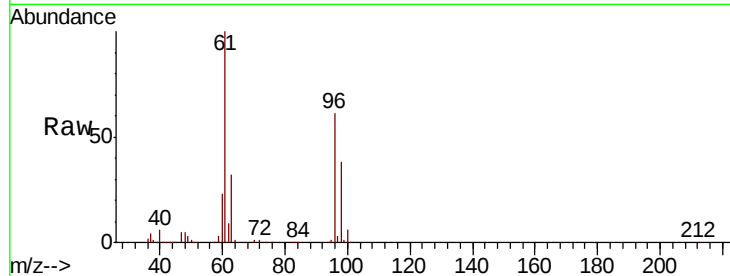


#31

cis-1,2-Dichloroethene
 Concen: 10.218 ppbv
 RT: 5.64 min Scan# 841
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

Instrument :
 MSVOA_L
 ClientSampled :

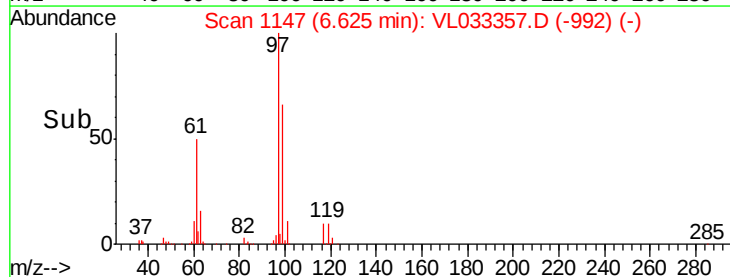
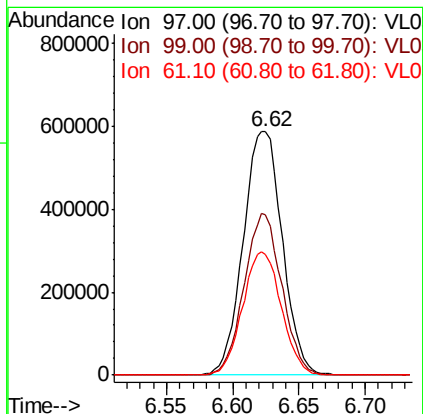
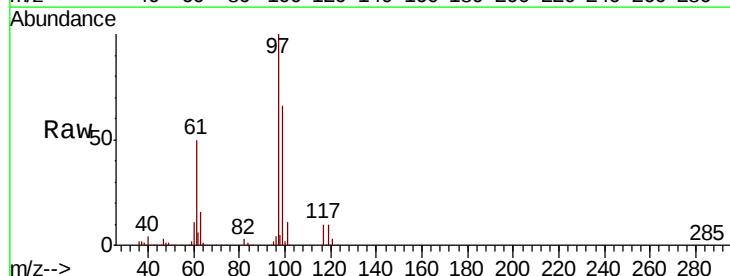
Tot Ion	Ratio	Lower	Upper
61	100		
96	61.3	50.3	75.5
98	37.9	31.5	47.3

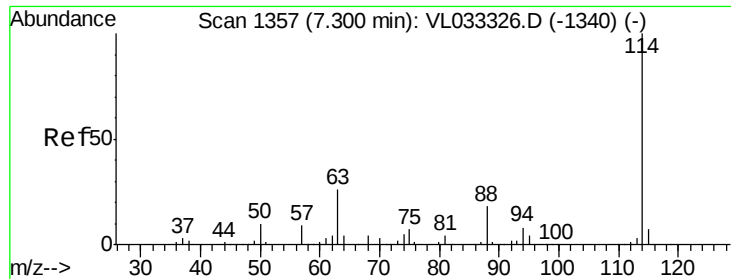


#32

1,1,1-Trichloroethane
 Concen: 9.969 ppbv
 RT: 6.62 min Scan# 1147
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	50.1	39.3	58.9

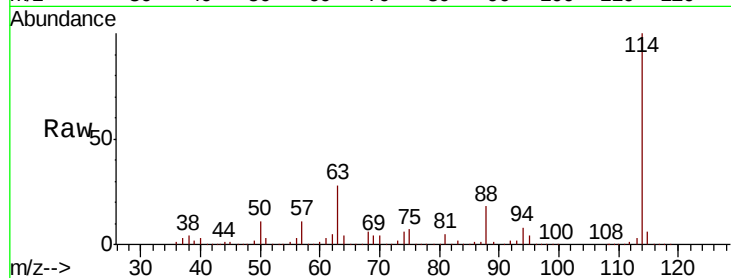




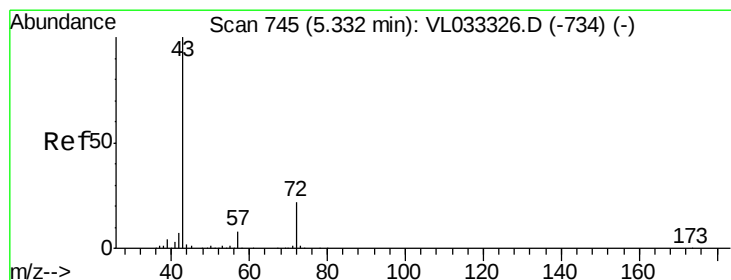
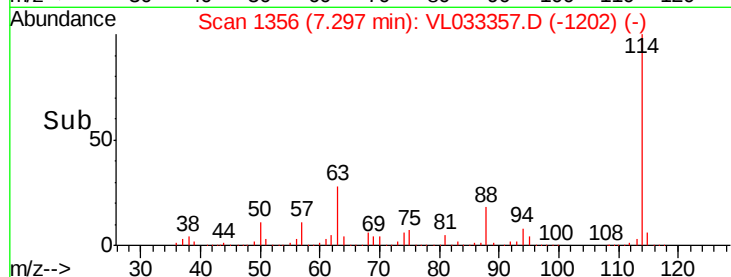
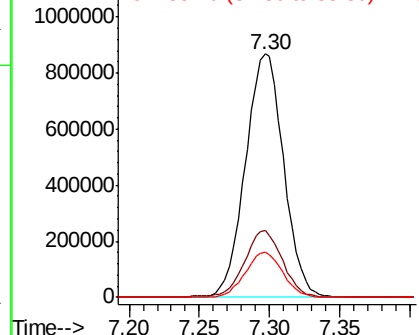
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 1646405
 Ion Ratio Lower Upper
 114 100
 63 27.4 21.4 32.2
 88 18.2 14.5 21.7

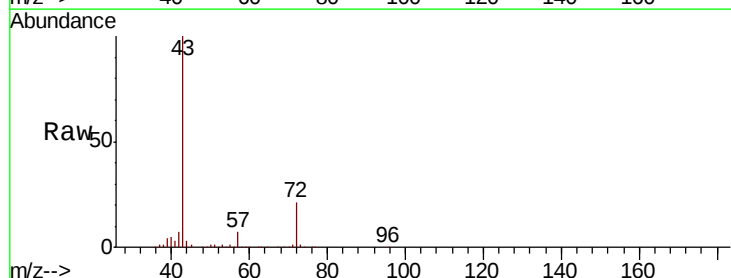


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

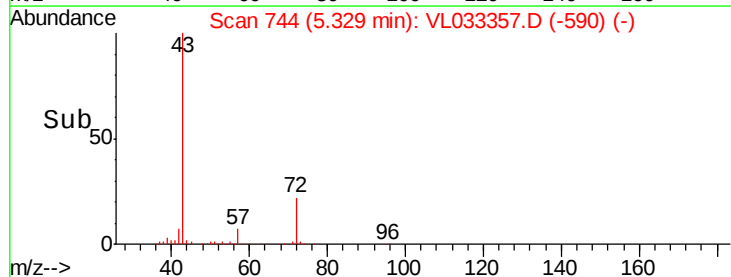
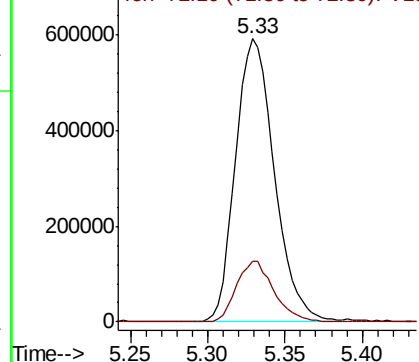


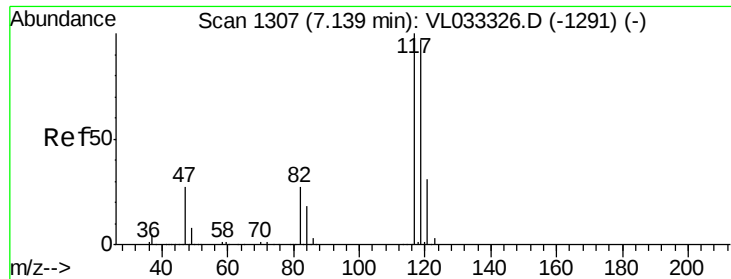
#34
 2-Butanone
 Concen: 9.507 ppbv
 RT: 5.33 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

Tgt Ion: 43 Resp: 1027977
 Ion Ratio Lower Upper
 43 100
 72 20.9 17.7 26.5



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

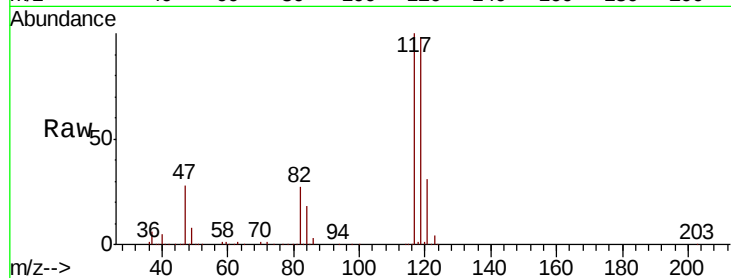




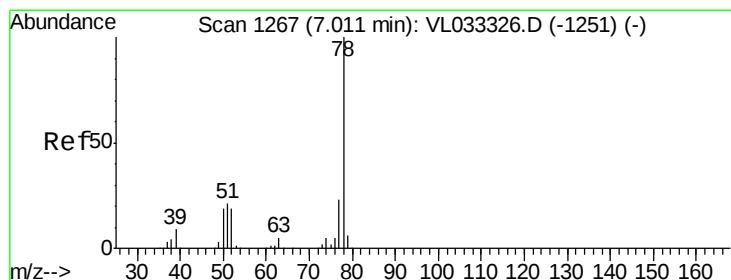
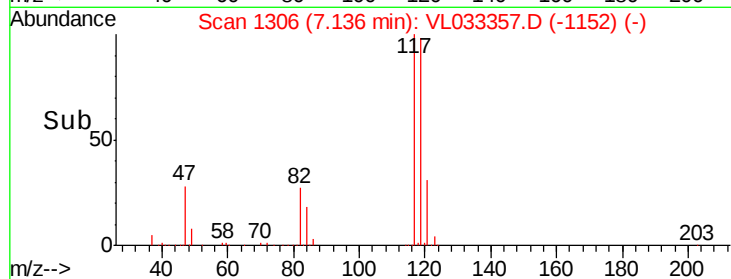
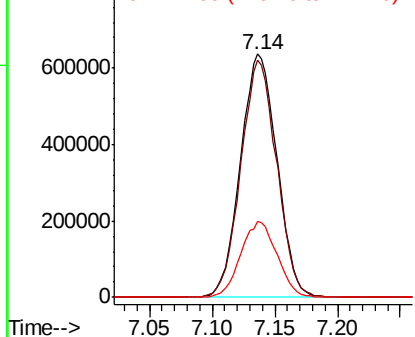
#35
Carbon Tetrachloride
Concen: 11.108 ppbv
RT: 7.14 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 1289289
Ion Ratio Lower Upper
117 100
119 97.6 77.4 116.0
121 31.1 24.9 37.3

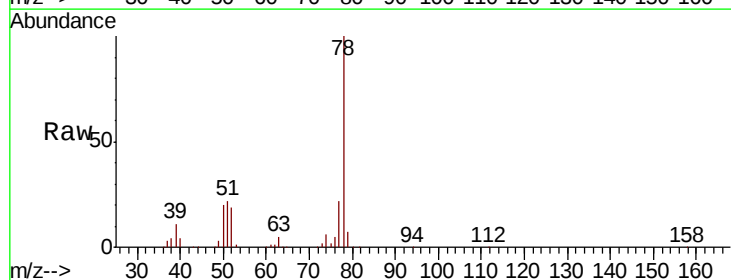


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

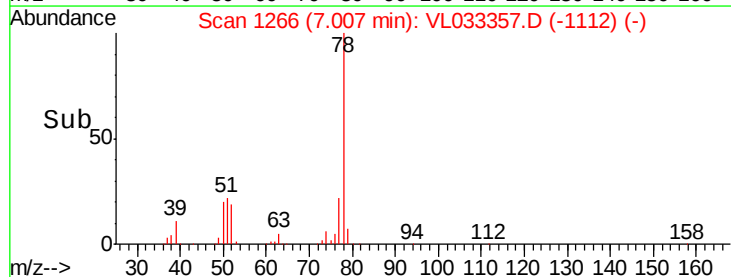
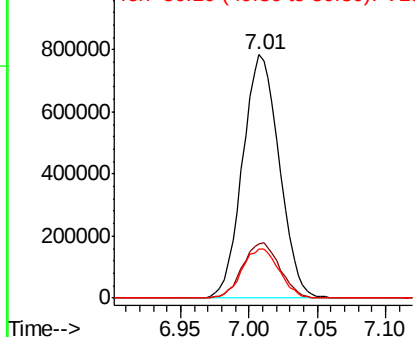


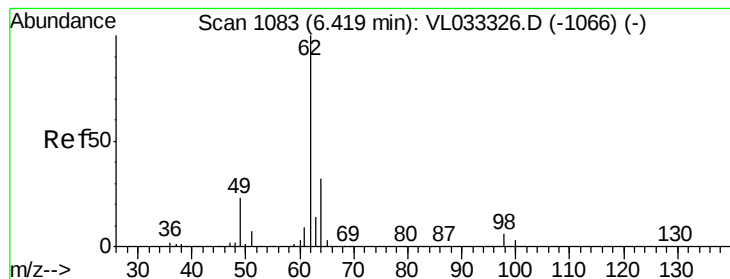
#36
Benzene
Concen: 9.945 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion: 78 Resp: 1465315
Ion Ratio Lower Upper
78 100
77 22.2 18.1 27.1
50 19.9 15.2 22.8



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: 10.139 ppbv

RT: 6.42 min Scan# 1082

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

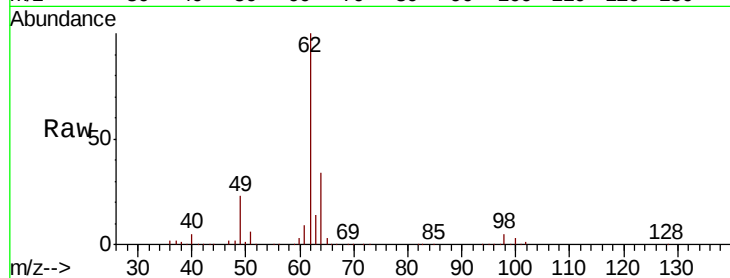
ClientSampled :

Tot Ion: 62 Resp: 944624

Ion Ratio Lower Upper

62 100

98 5.1 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

600000

500000

400000

300000

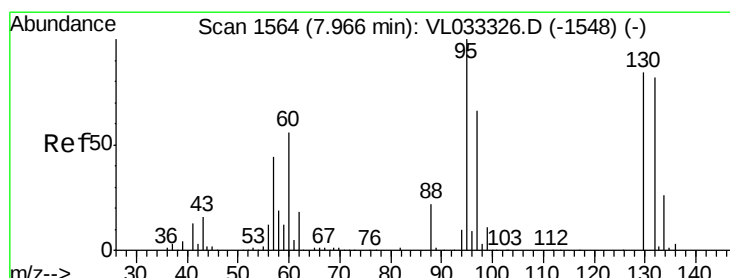
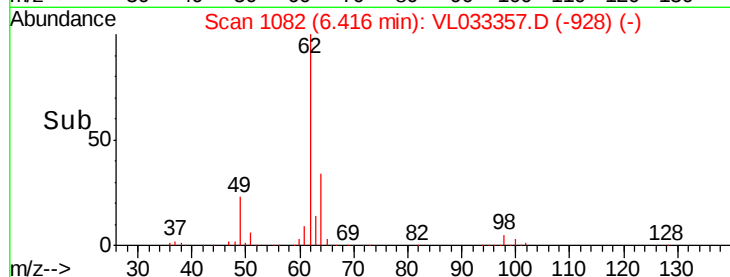
200000

100000

0

6.35 6.40 6.45

Time-->



#38

Trichloroethene

Concen: 10.395 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Tgt Ion:130 Resp: 579603

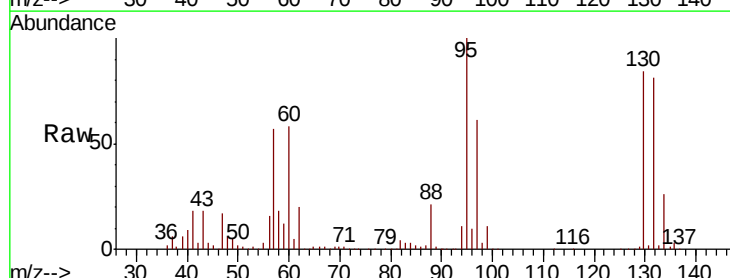
Ion Ratio Lower Upper

130 100

95 118.5 95.2 142.8

132 96.3 77.7 116.5

97 72.3 62.8 94.2



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

500000

400000

300000

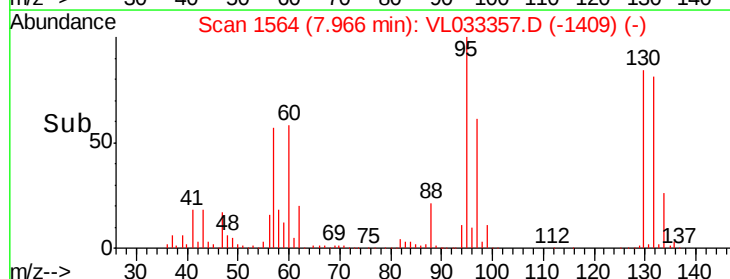
200000

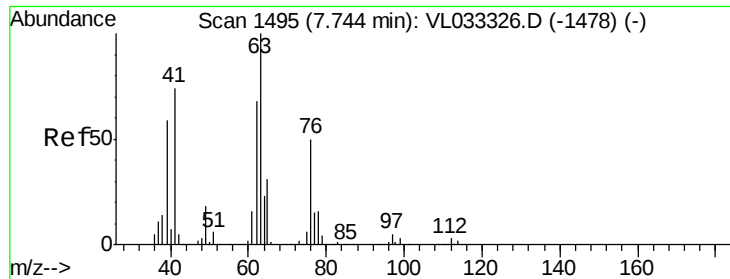
100000

0

7.90 7.95 8.00 8.05

Time-->

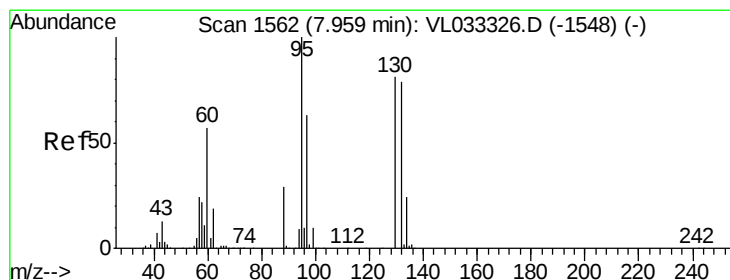
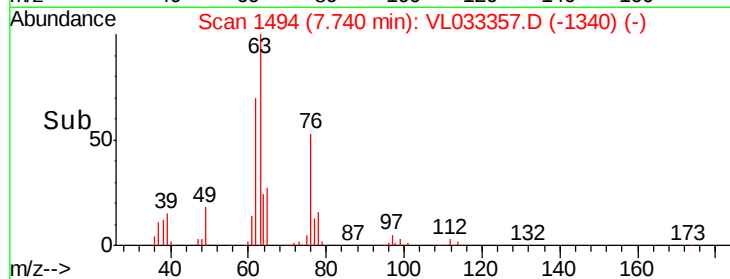
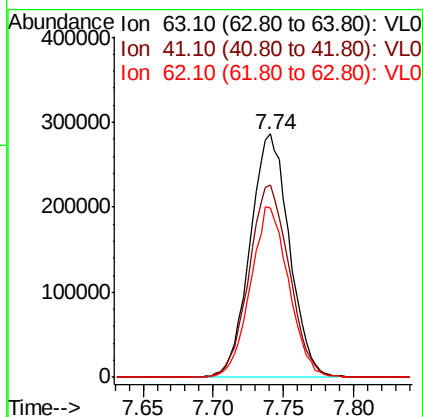
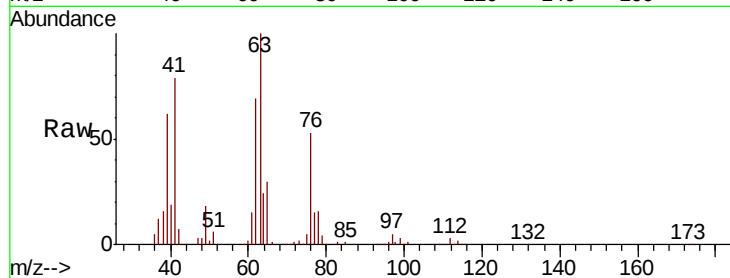




#39
 1,2-Dichloropropane
 Concen: 10.108 ppbv
 RT: 7.74 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

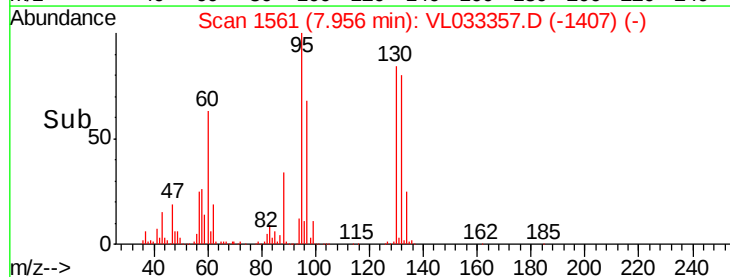
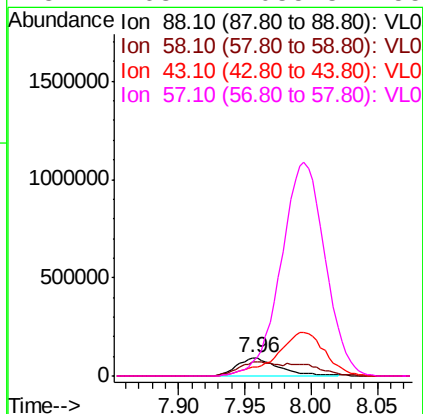
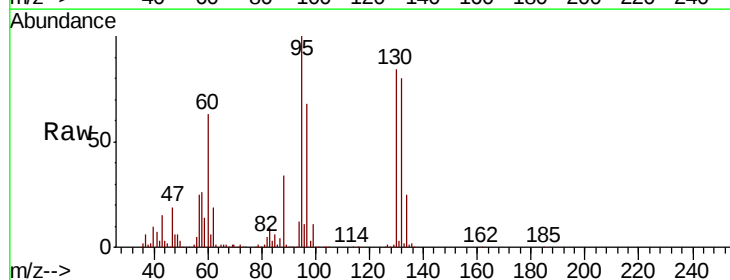
Instrument :
 MSVOA_L
 ClientSampleId :

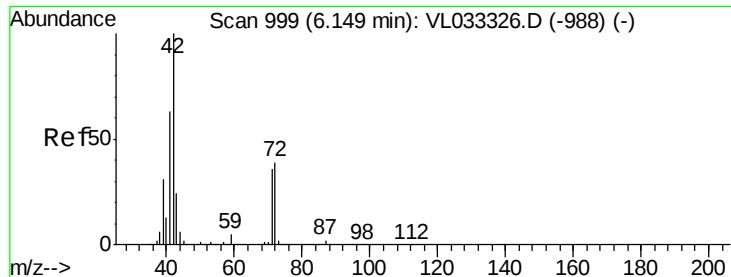
Tot Ion: 63 Resp: 557768
 Ion Ratio Lower Upper
 63 100
 41 79.0 59.5 89.3
 62 69.5 54.7 82.1



#40
 1,4-Dioxane
 Concen: 10.259 ppbv
 RT: 7.96 min Scan# 1561
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

Tgt Ion: 88 Resp: 199341
 Ion Ratio Lower Upper
 88 100
 58 135.0 107.9 161.9
 43 287.3 230.8 346.2
 57 1268.2 1035.3 1552.9





#41

Tetrahydrofuran

Concen: 10.350 ppbv

RT: 6.15 min Scan# 998

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :
MSVOA_L
ClientSampleId :

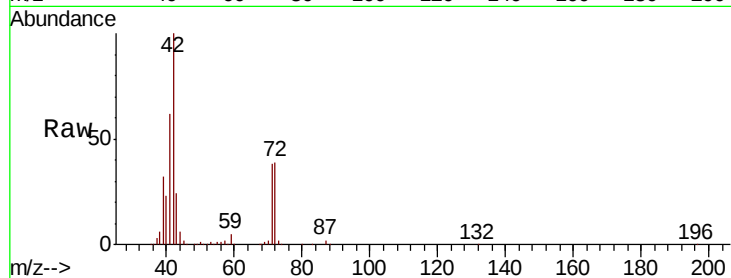
Tot Ion: 42 Resp: 597178

Ion Ratio Lower Upper

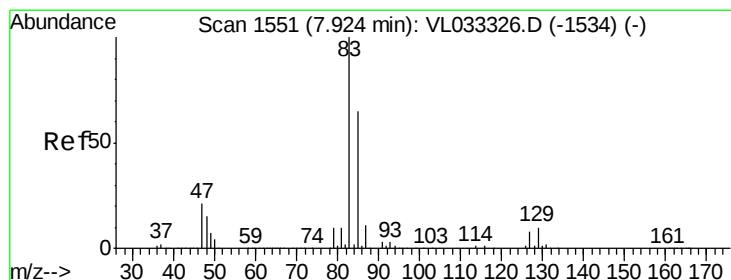
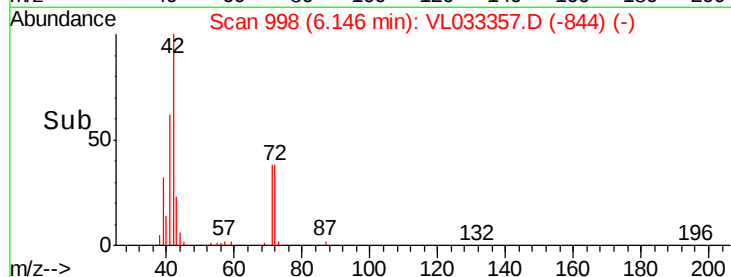
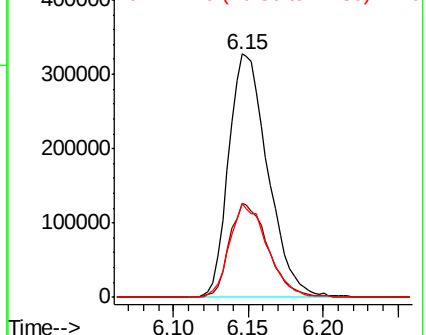
42 100

72 38.2 31.6 47.4

71 37.3 29.9 44.9



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.779 ppbv

RT: 7.92 min Scan# 1551

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

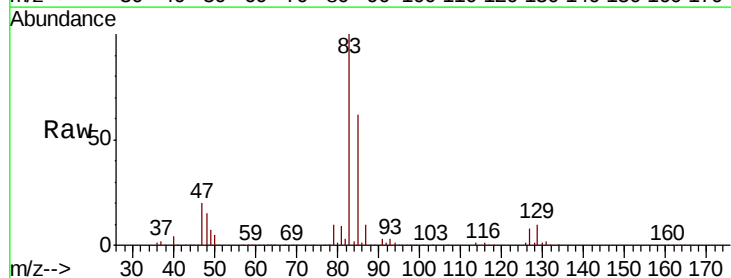
Tgt Ion: 83 Resp: 1346473

Ion Ratio Lower Upper

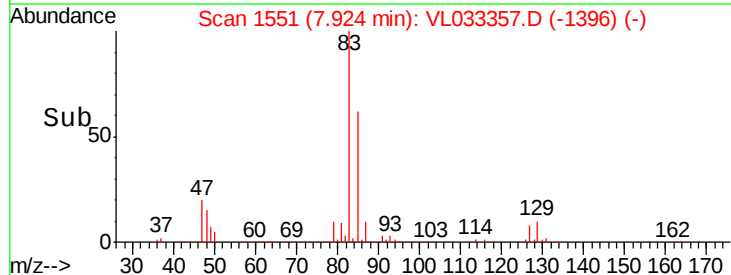
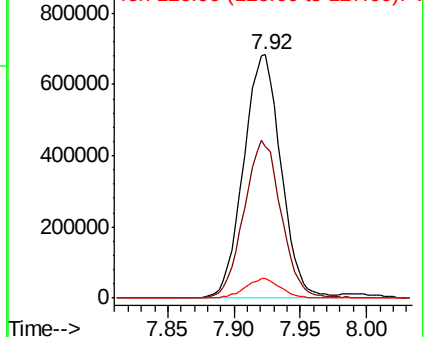
83 100

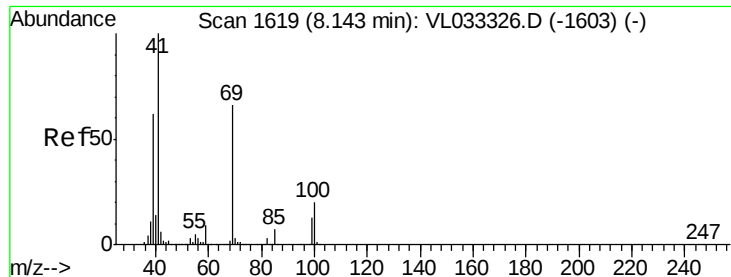
85 62.4 51.8 77.6

127 8.2 6.2 9.2



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.655 ppbv

RT: 8.14 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

ClientSampleId :

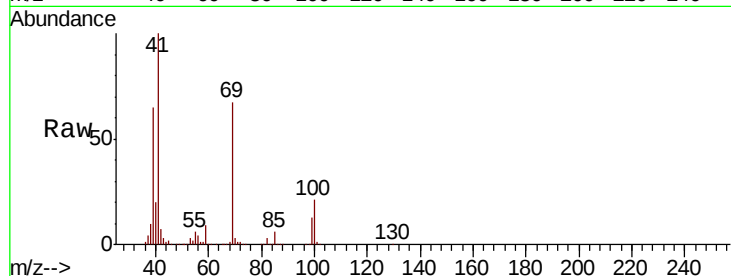
Tot Ion: 69 Resp: 611315

Ion Ratio Lower Upper

69 100

41 150.3 119.5 179.3

100 30.7 24.4 36.6

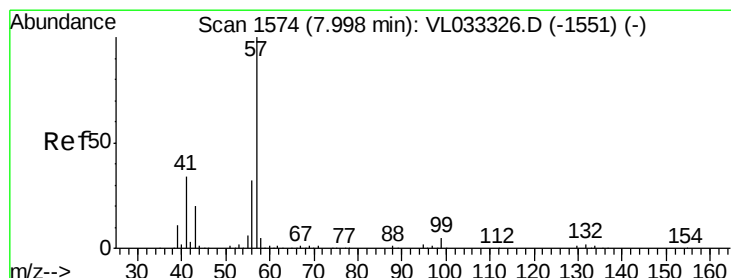
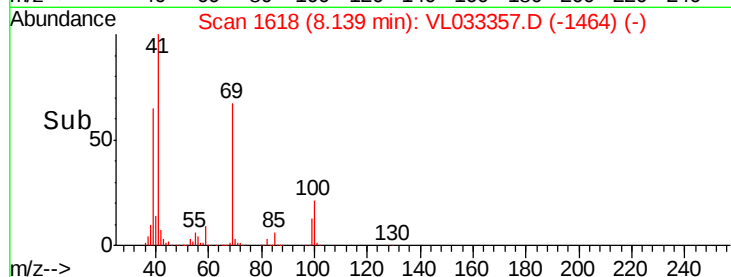
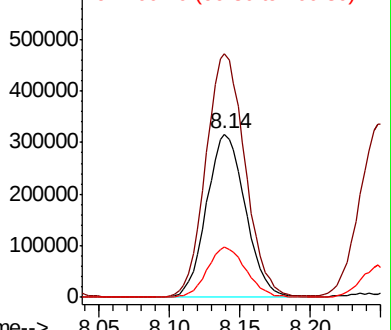


Abundance

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: 10.346 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

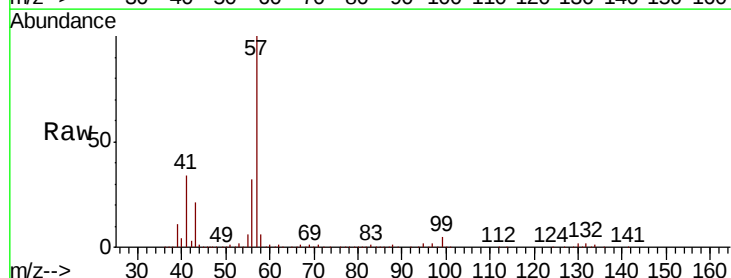
Tgt Ion: 57 Resp: 2524907

Ion Ratio Lower Upper

57 100

41 33.3 26.0 39.0

56 31.1 24.6 36.8

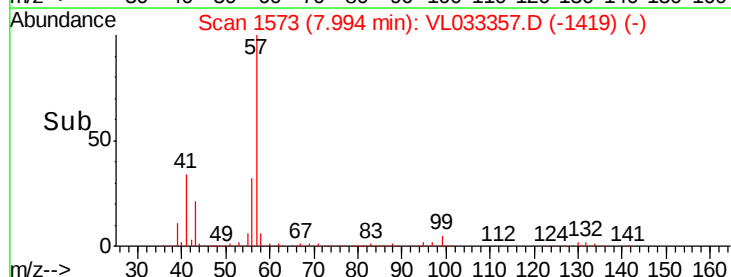
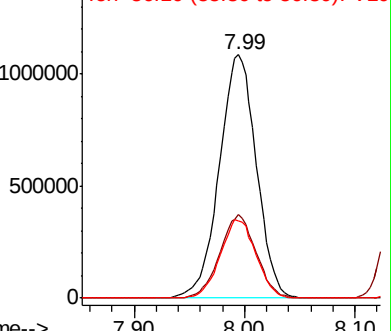


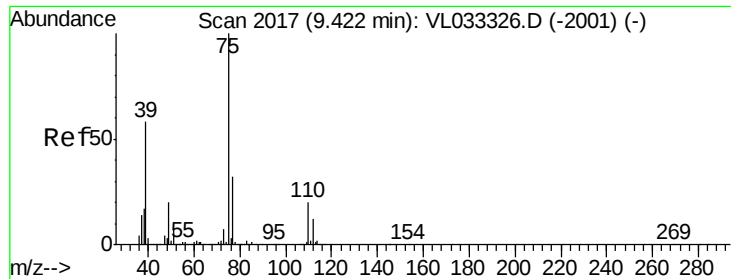
Abundance

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: 11.779 ppbv

RT: 9.42 min Scan# 2017

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

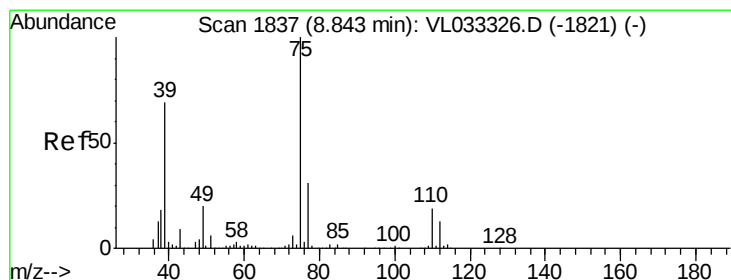
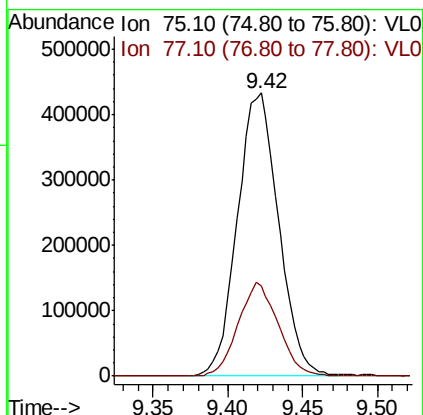
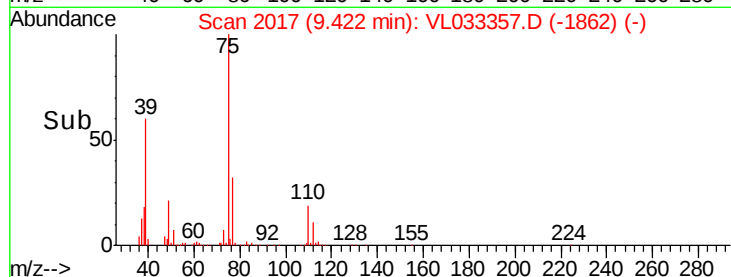
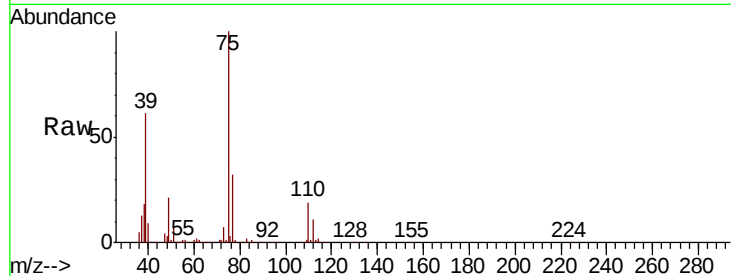
ClientSampleId :

Tot Ion: 75 Resp: 834287

Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3



#46

cis-1,3-Dichloropropene

Concen: 11.461 ppbv

RT: 8.84 min Scan# 1836

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

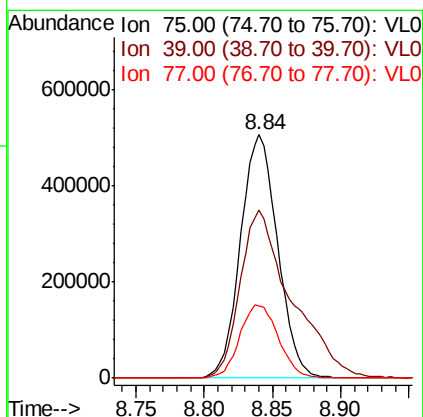
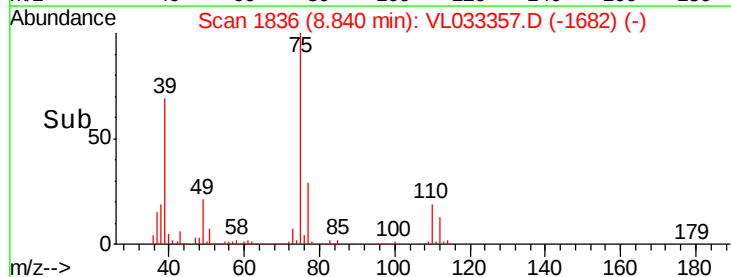
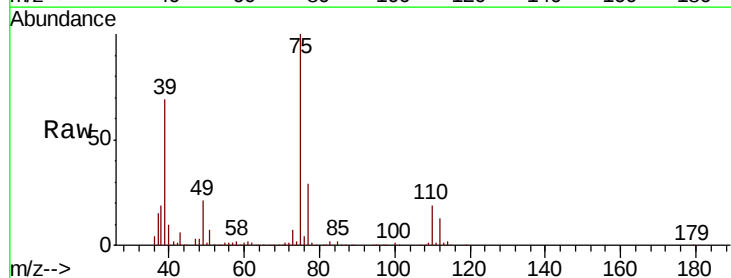
Tgt Ion: 75 Resp: 955876

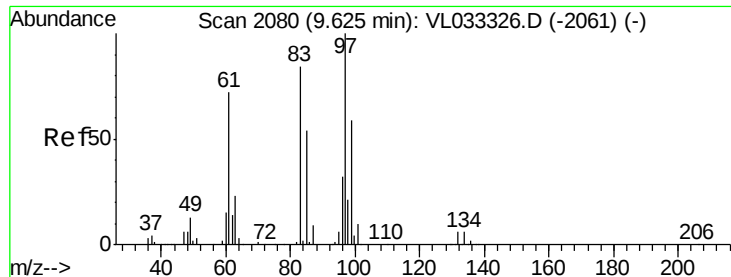
Ion Ratio Lower Upper

75 100

39 69.2 55.0 82.6

77 29.4 24.5 36.7

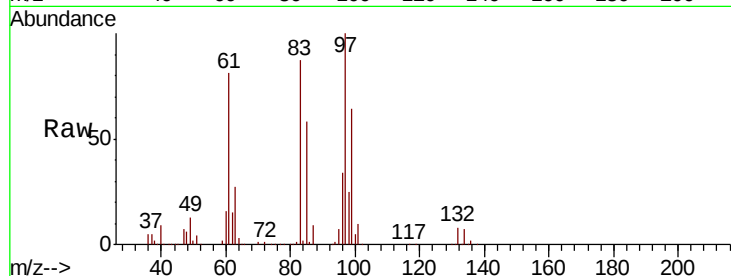




#47
 1,1,2-Trichloroethane
 Concen: 10.324 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.0	67.4	101.0
85	57.4	43.0	64.4
99	63.8	47.0	70.6



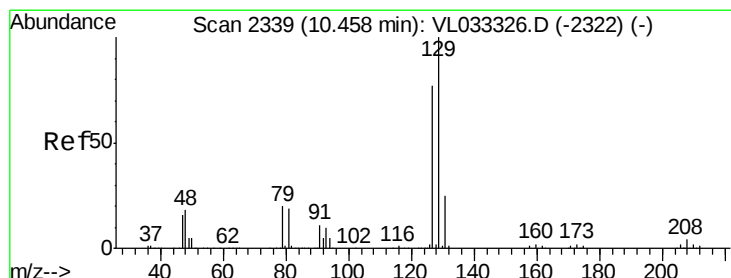
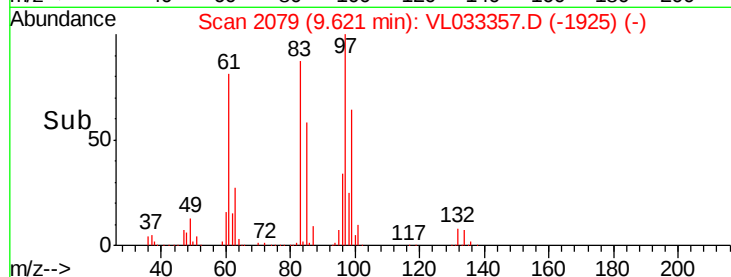
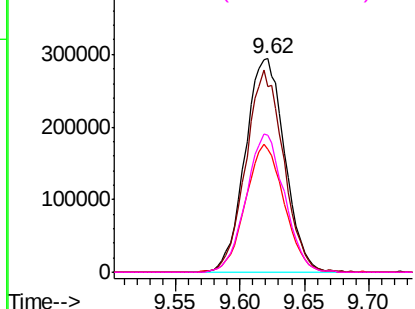
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

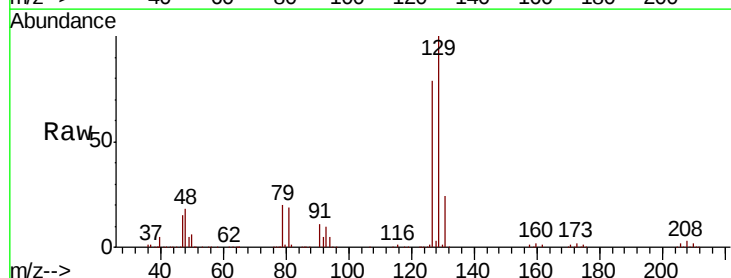
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 12.818 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

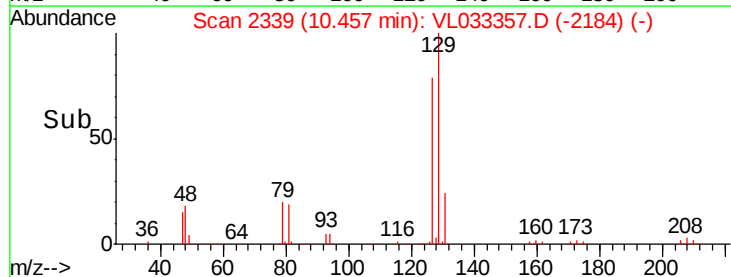
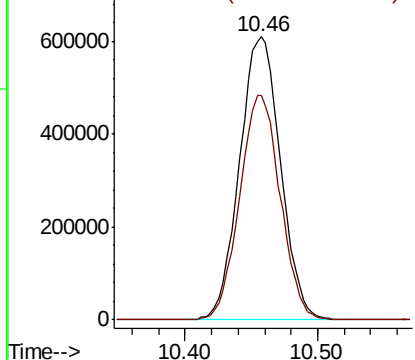
Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.9	116.6

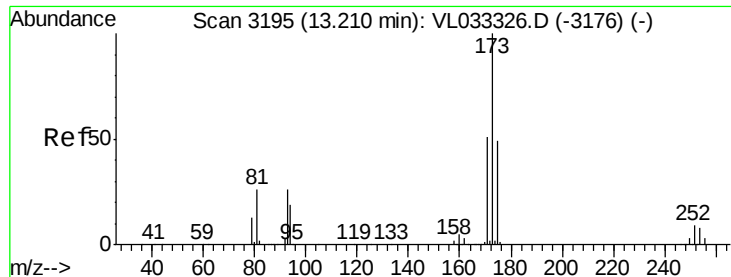


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.239 ppbv

RT: 13.21 min Scan# 3194

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

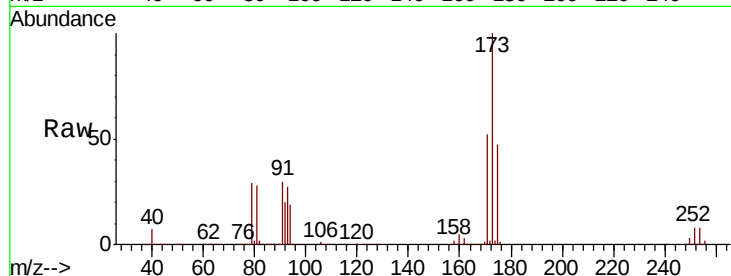
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:173 Resp: 1187066

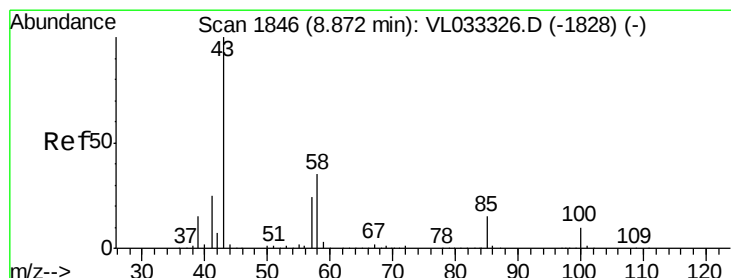
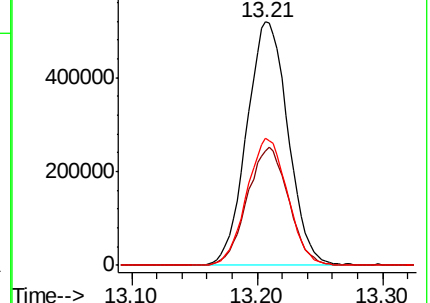
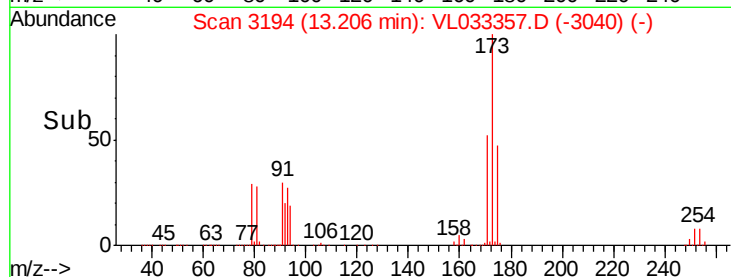
Ion	Ratio	Lower	Upper
173	100		
175	48.8	39.0	58.6
171	51.6	41.7	62.5



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: 10.541 ppbv

RT: 8.87 min Scan# 1846

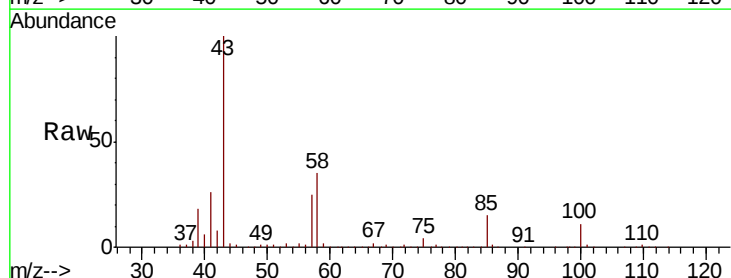
Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

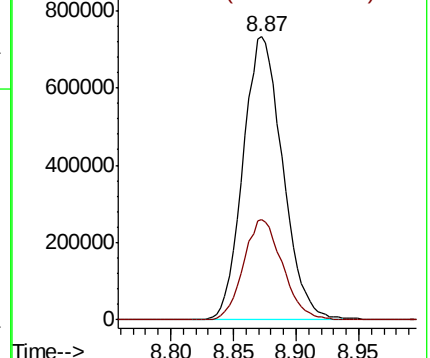
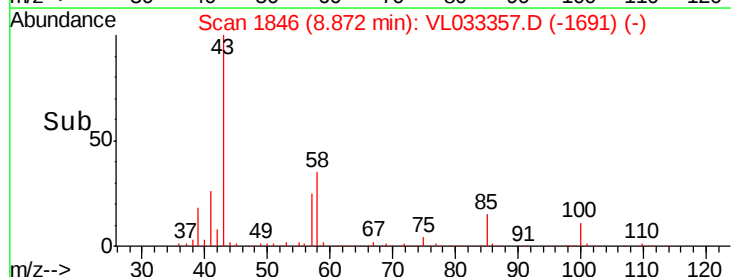
Tgt Ion: 43 Resp: 1609955

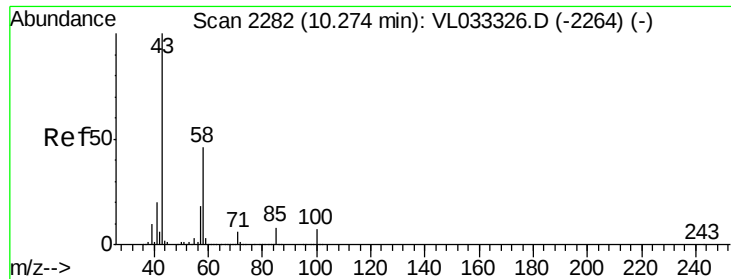
Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.4	42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

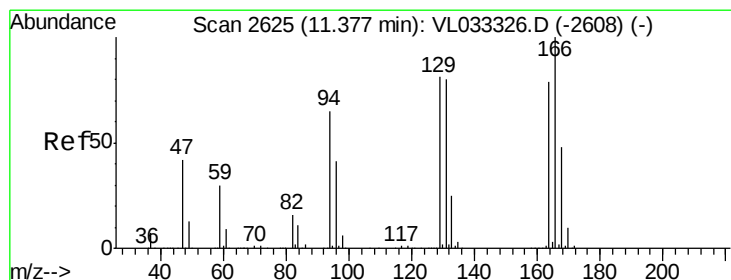
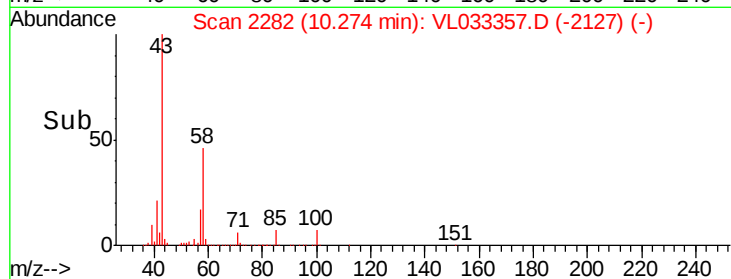
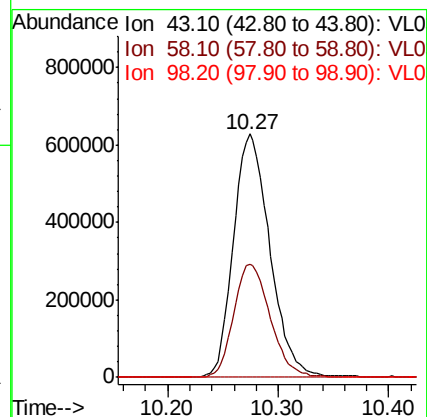
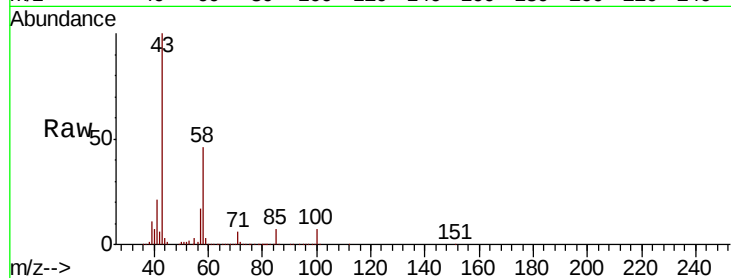




#51
2-Hexanone
Concen: 12.196 ppbv
RT: 10.27 min Scan# 2282
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

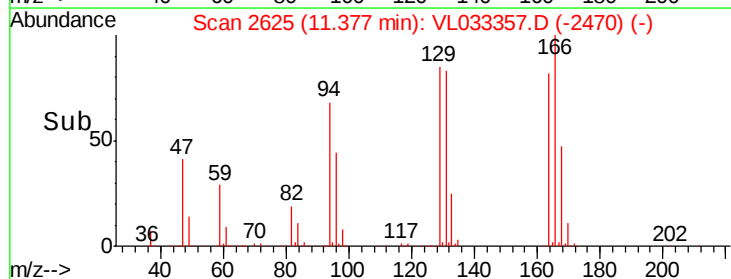
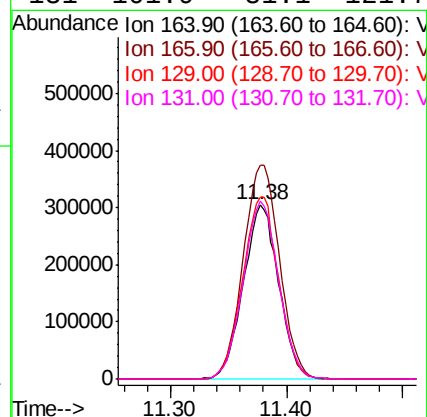
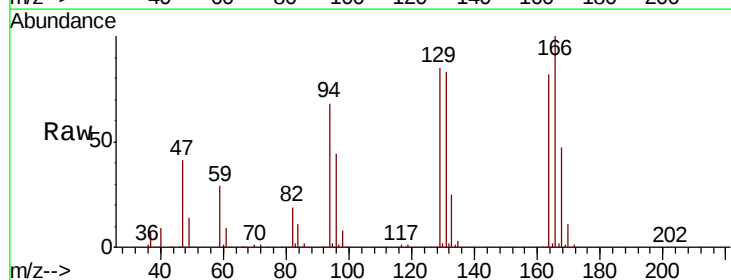
Instrument :
MSVOA_L
ClientSampled :

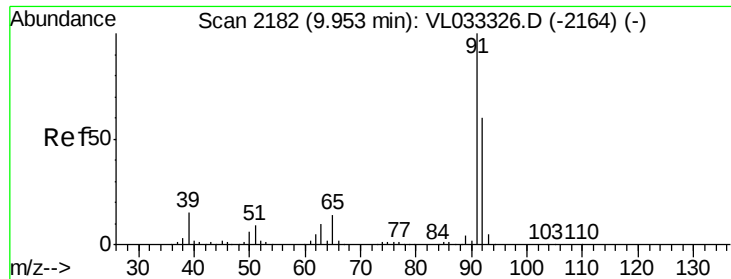
Tot Ion: 43 Resp: 1437090
Ion Ratio Lower Upper
43 100
58 47.0 38.0 57.0
98 0.3 0.1 0.1#



#52
Tetrachloroethene
Concen: 10.497 ppbv
RT: 11.38 min Scan# 2625
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion:164 Resp: 644326
Ion Ratio Lower Upper
164 100
166 122.5 101.5 152.3
129 104.3 82.2 123.2
131 101.9 81.1 121.7





#53

Toluene

Concen: 11.920 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

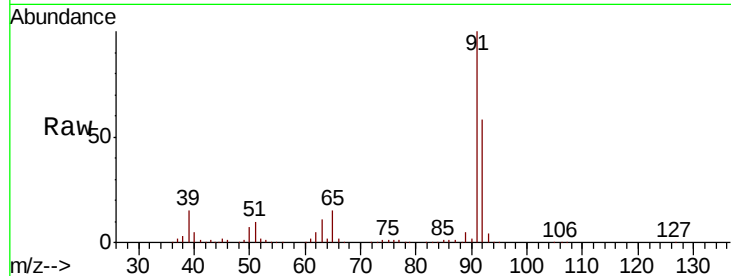
ClientSampleId :

Tot Ion: 91 Resp: 1995747

Ion Ratio Lower Upper

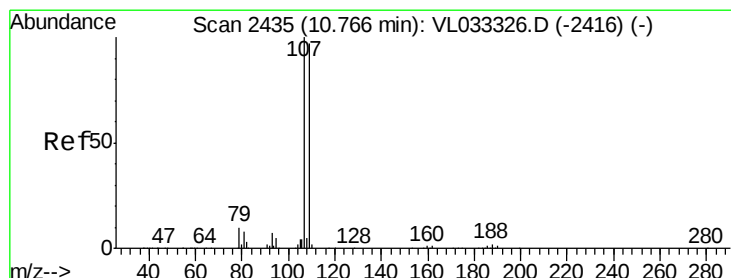
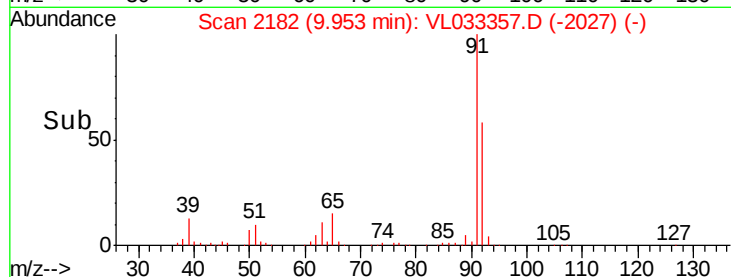
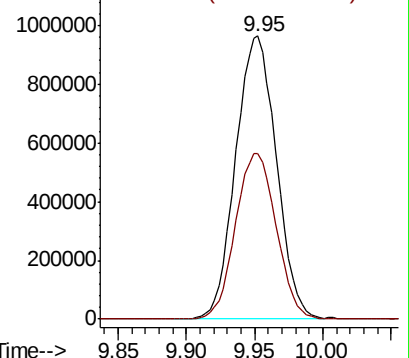
91 100

92 58.7 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.230 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VL033357.D

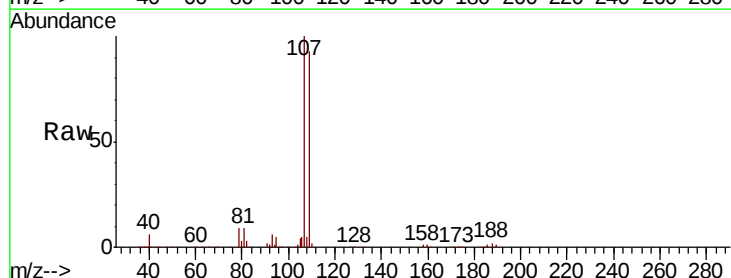
Acq: 16 Mar 2019 8:22

Tgt Ion: 107 Resp: 1157424

Ion Ratio Lower Upper

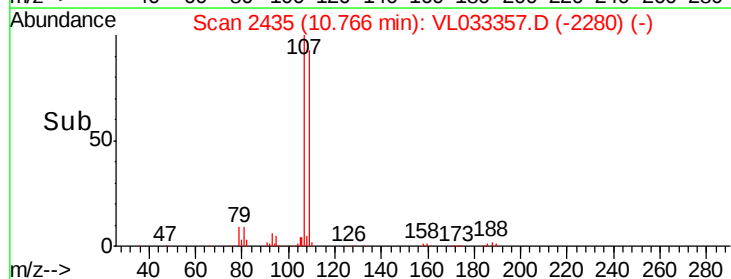
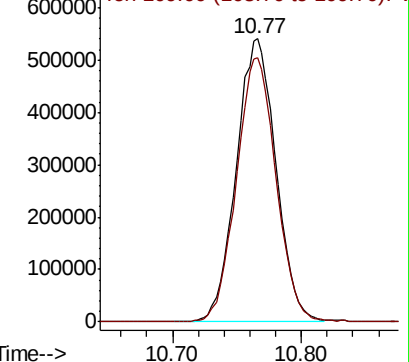
107 100

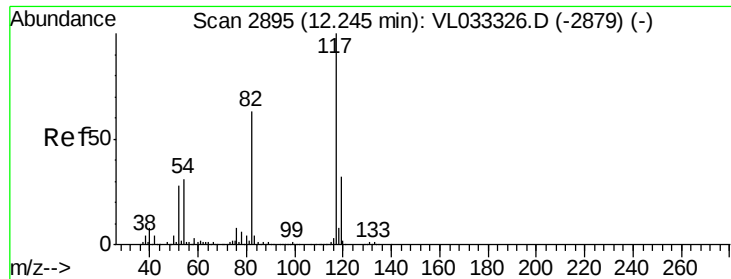
109 93.5 77.2 115.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

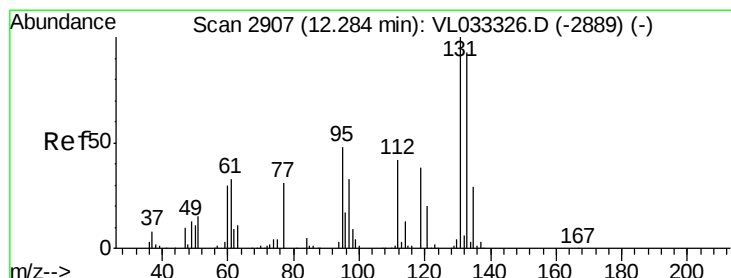
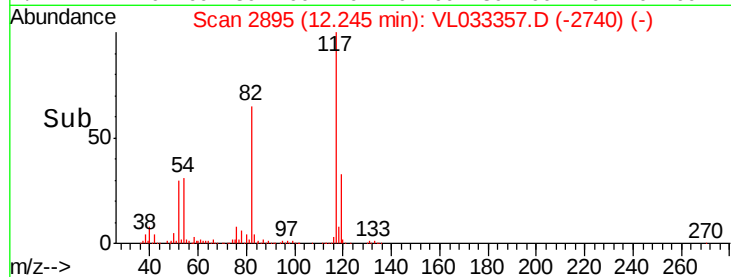
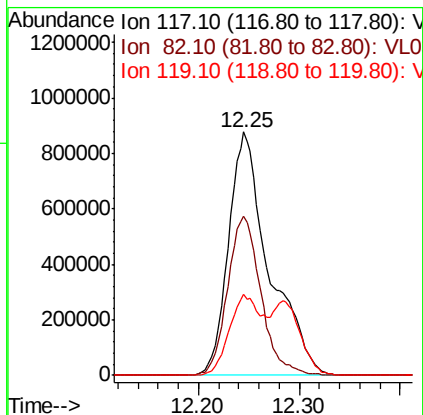
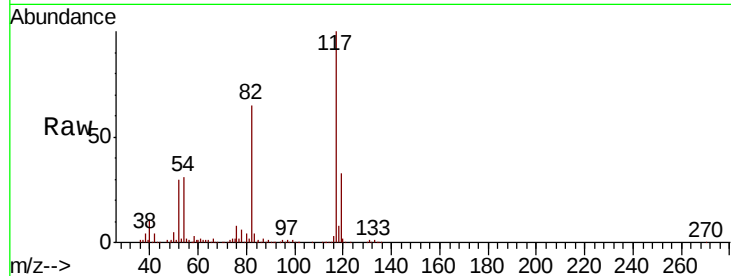




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

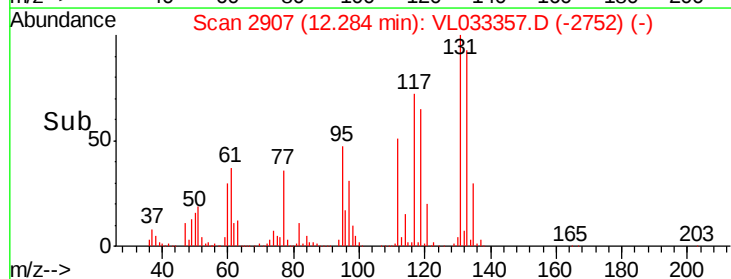
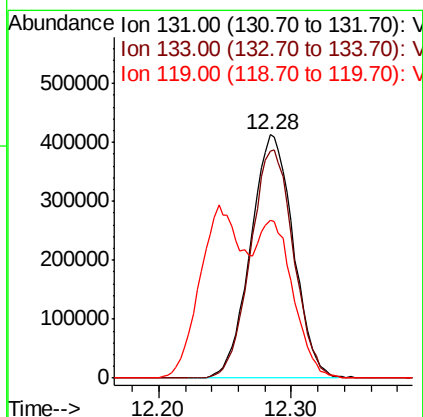
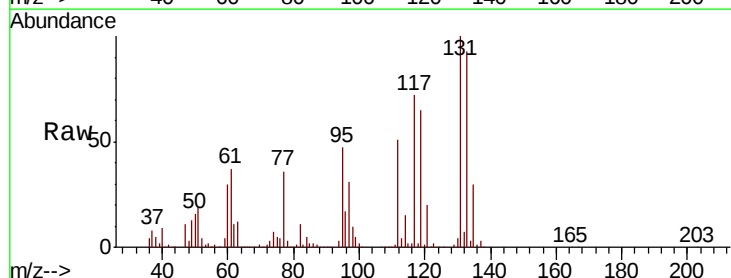
Instrument :
MSVOA_L
ClientSampled :

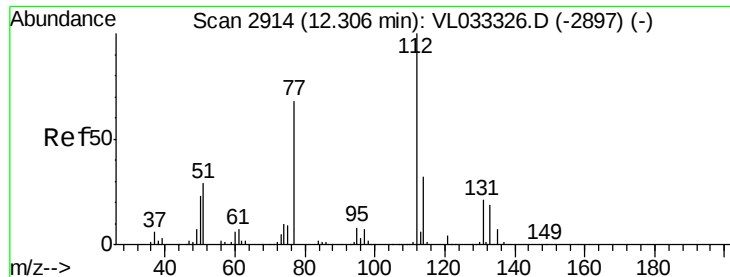
Tot Ion:117 Resp: 2450003
Ion Ratio Lower Upper
117 100
82 53.8 53.4 80.2
119 28.1 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 8.474 ppbv
RT: 12.28 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion:131 Resp: 928704
Ion Ratio Lower Upper
131 100
133 94.6 76.7 115.1
119 57.9 40.3 60.5

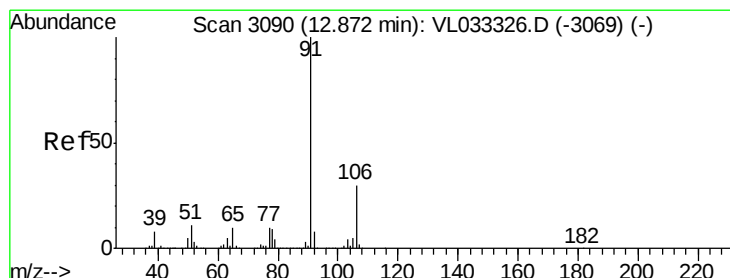
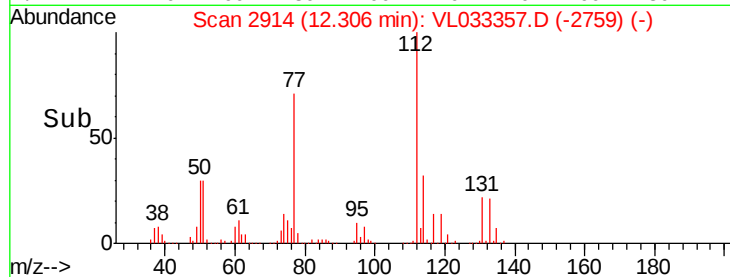
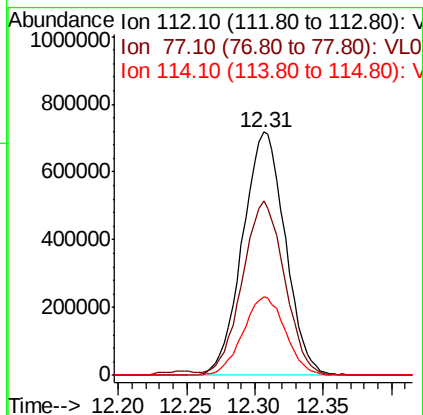
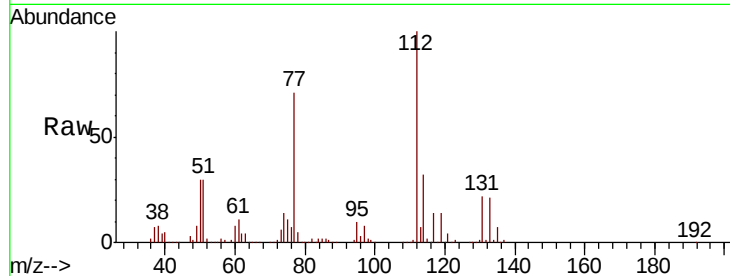




#57
Chlorobenzene
Concen: 8.020 ppbv
RT: 12.31 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

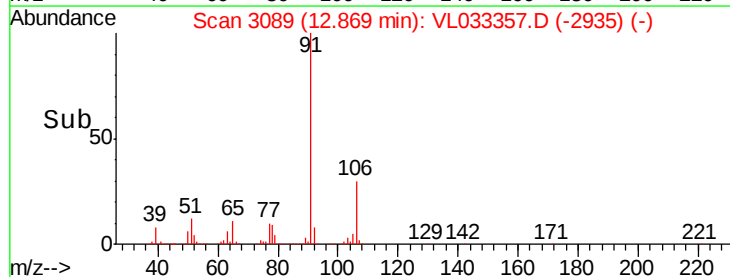
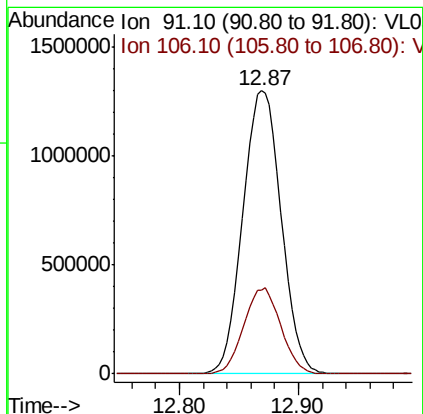
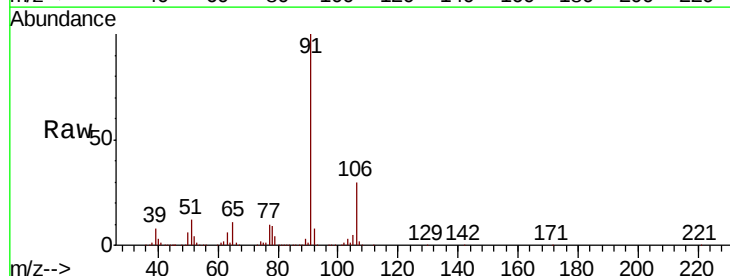
Instrument :
MSVOA_L
ClientSampleId :

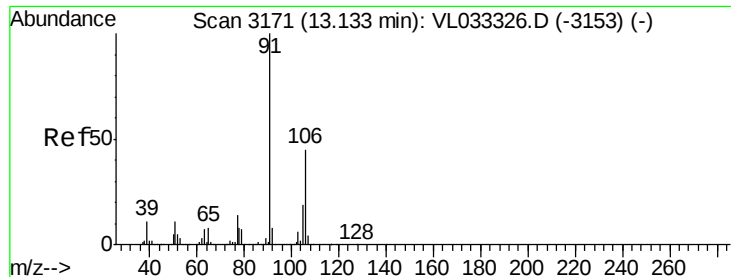
Tot Ion:112 Resp: 1556257
Ion Ratio Lower Upper
112 100
77 71.5 55.8 83.6
114 32.1 28.6 35.0



#58
Ethyl Benzene
Concen: 8.380 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion: 91 Resp: 2904558
Ion Ratio Lower Upper
91 100
106 29.6 24.2 36.2

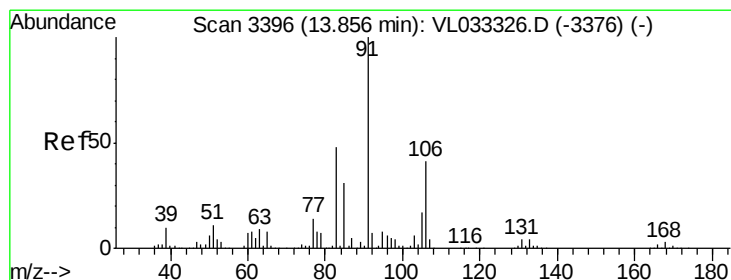
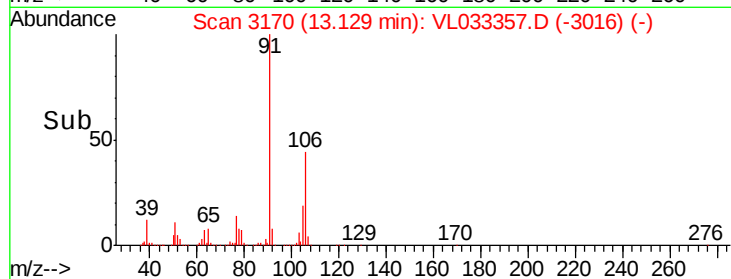
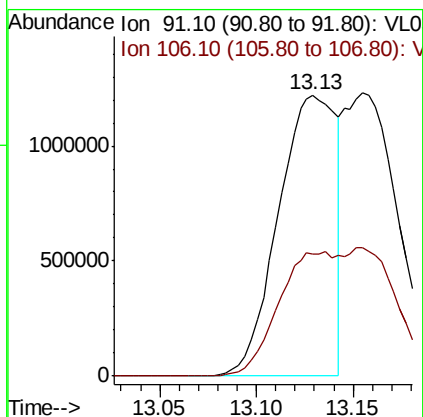
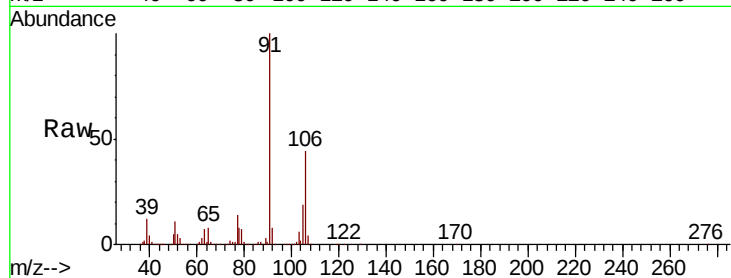




#59
m/p-Xylene
Concen: 8.484 ppbv
RT: 13.13 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

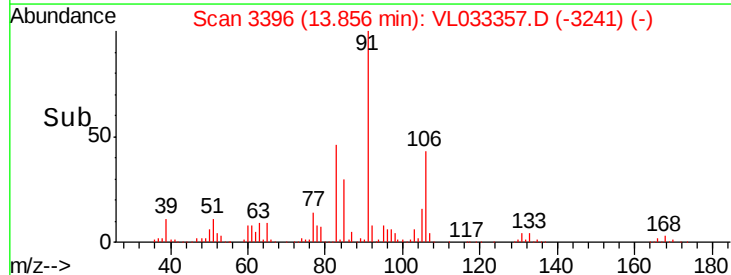
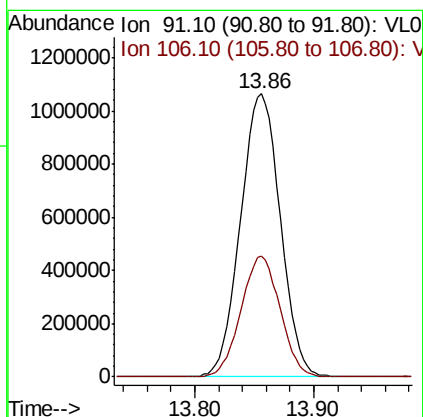
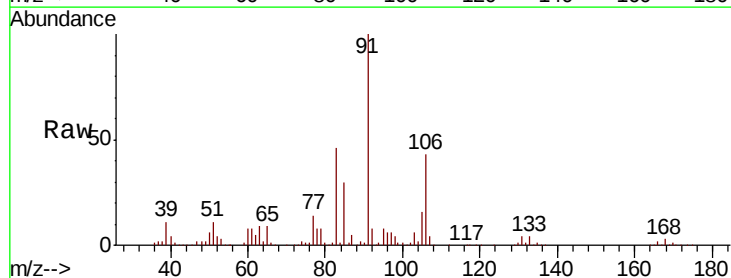
Instrument :
MSVOA_L
ClientSampled :

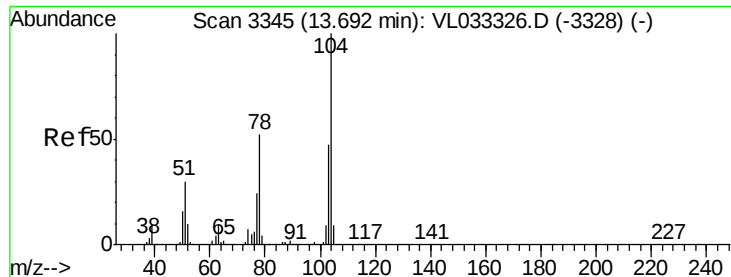
Tot Ion: 91 Resp: 2527017
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0



#60
o-Xylene
Concen: 8.470 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion: 91 Resp: 2461098
Ion Ratio Lower Upper
91 100
106 42.0 21.3 63.9





#61

Stvrene

Concen: 8.864 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

ClientSampleId :

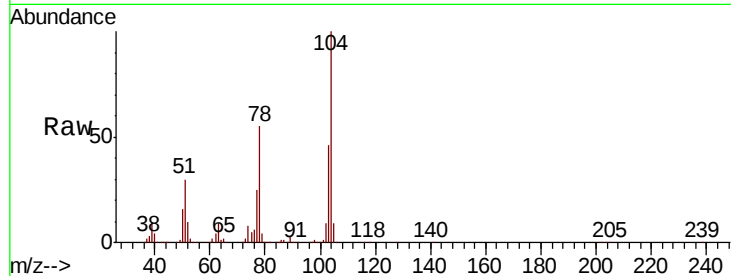
Tot Ion:104 Resp: 1803342

Ion Ratio Lower Upper

104 100

78 54.6 42.7 64.1

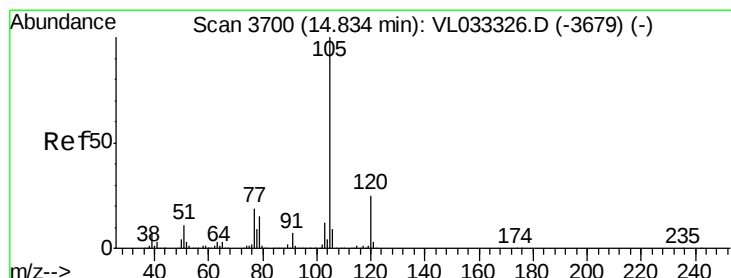
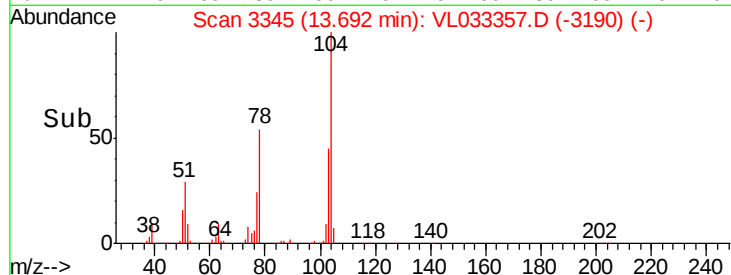
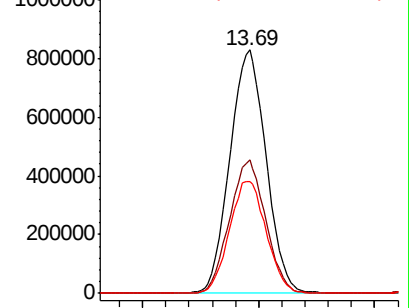
103 46.9 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.454 ppbv

RT: 14.83 min Scan# 3699

Delta R.T. -0.00 min

Lab File: VL033357.D

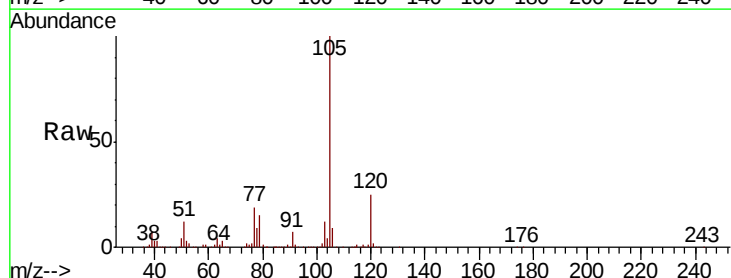
Acq: 16 Mar 2019 8:22

Tgt Ion:105 Resp: 3415169

Ion Ratio Lower Upper

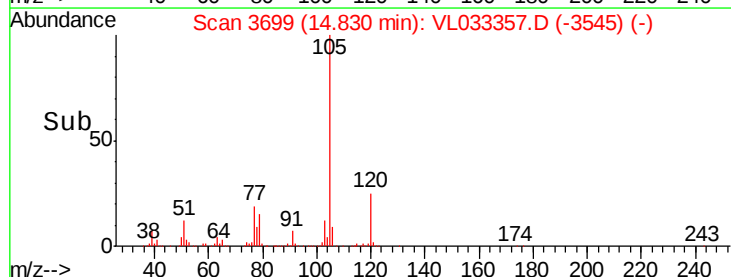
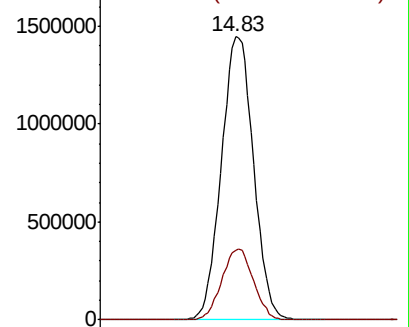
105 100

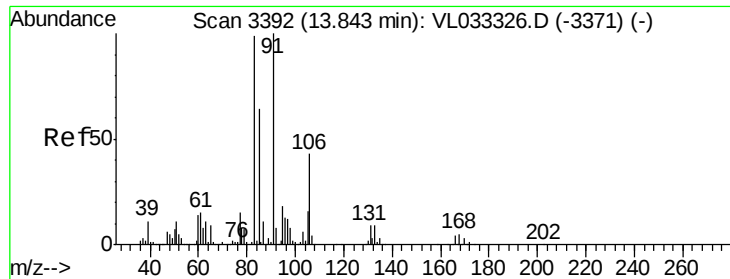
120 24.6 19.9 29.9



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: 8.130 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

ClientSampleId :

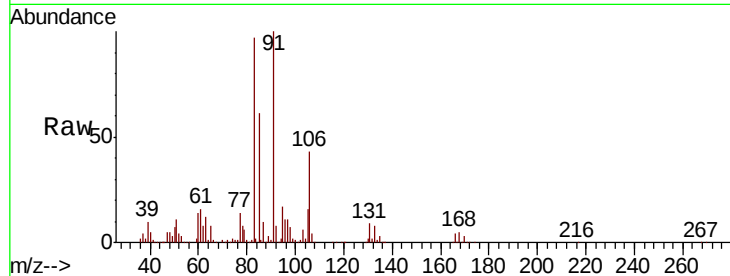
Tot Ion: 83 Resp: 1707833

Ion Ratio Lower Upper

83 100

131 9.1 4.7 14.0

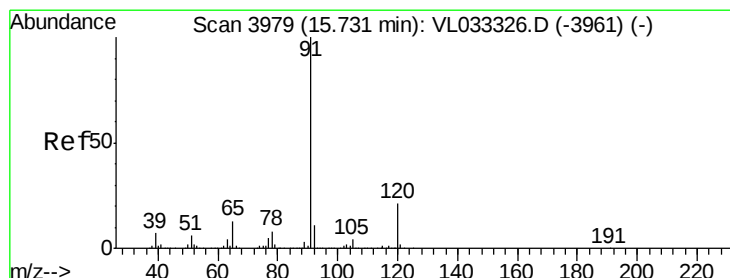
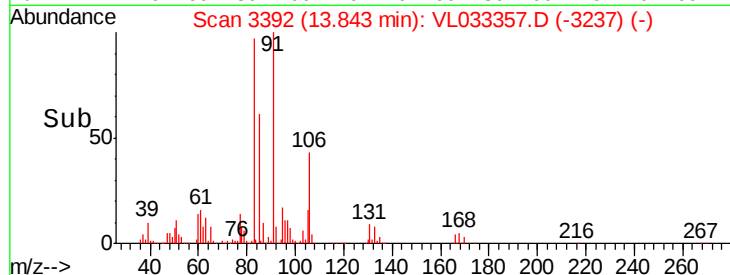
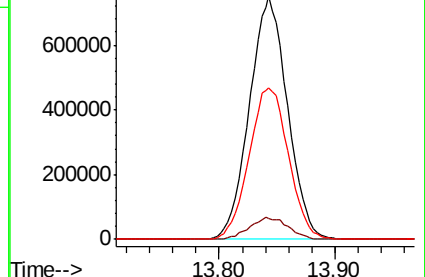
85 64.8 32.5 97.4



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: 8.536 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.00 min

Lab File: VL033357.D

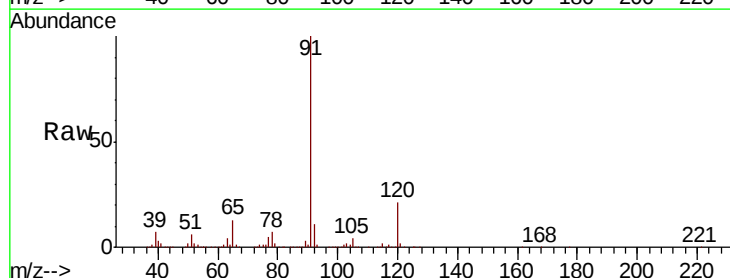
Acq: 16 Mar 2019 8:22

Tgt Ion:120 Resp: 872550

Ion Ratio Lower Upper

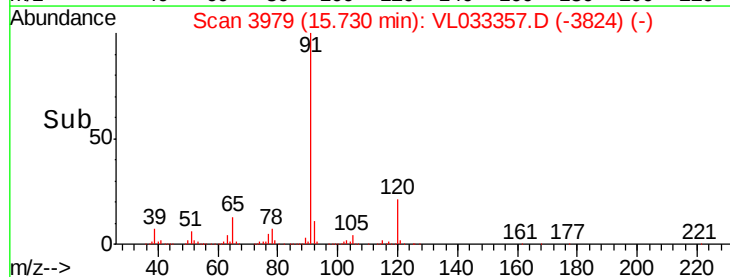
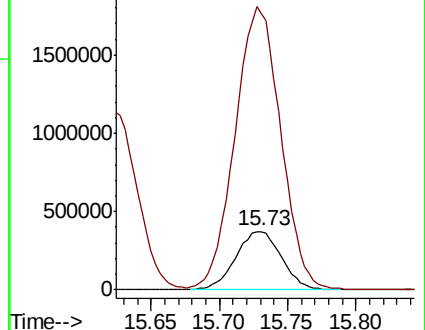
120 100

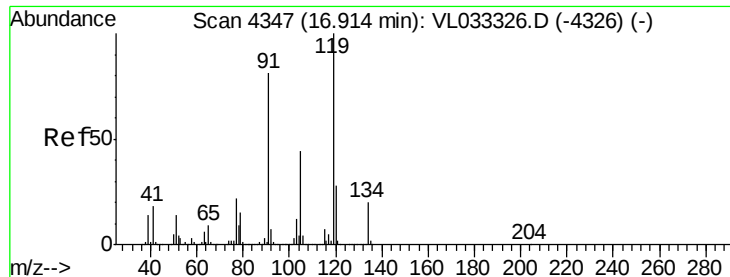
91 485.0 389.8 584.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 8.385 ppbv

RT: 16.91 min Scan# 4347

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

ClientSampleId :

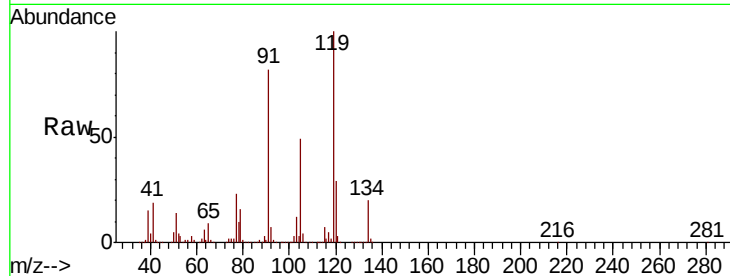
Tot Ion:119 Resp: 3049680

Ion Ratio Lower Upper

119 100

91 84.8 67.2 100.8

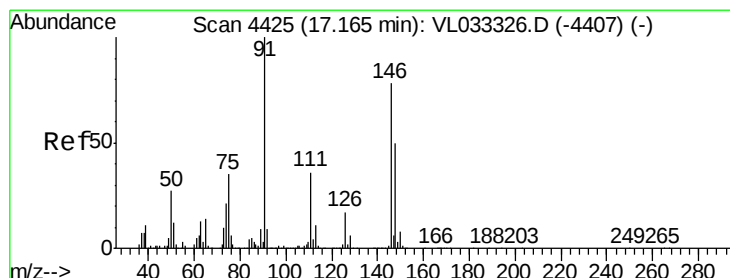
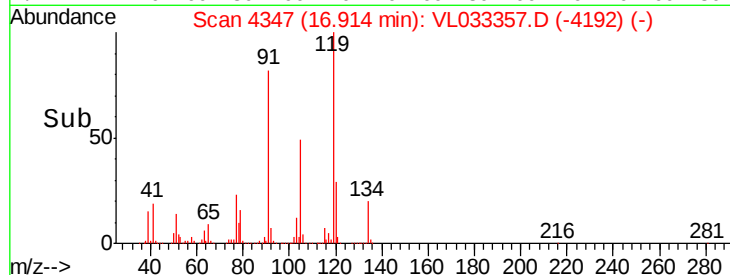
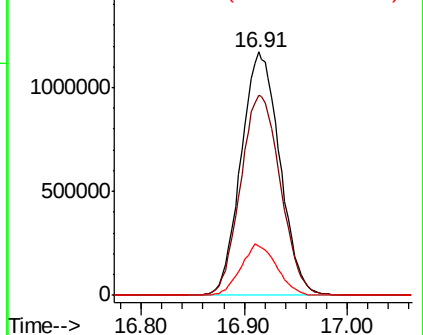
134 19.5 15.4 23.2



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: 10.746 ppbv

RT: 17.16 min Scan# 4425

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

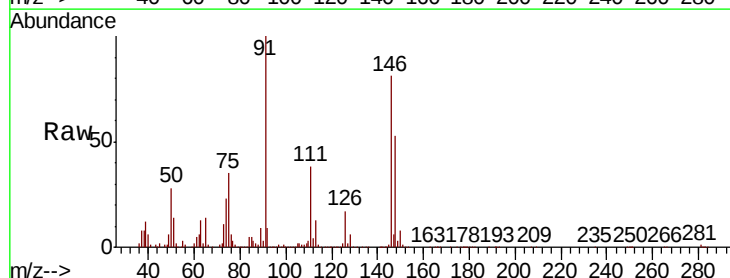
Tgt Ion: 91 Resp: 1615124

Ion Ratio Lower Upper

91 100

126 16.0 13.2 19.8

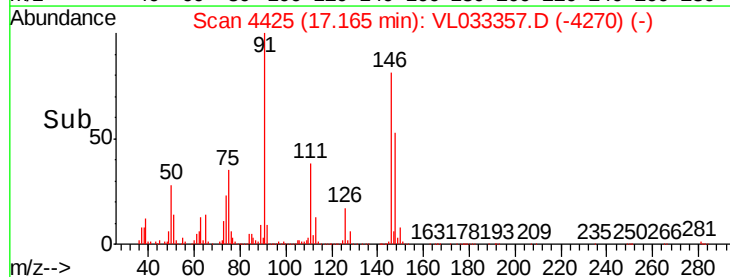
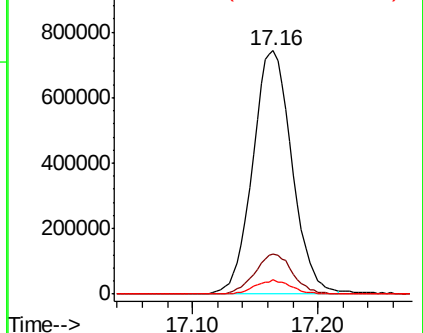
128 5.3 4.2 6.4

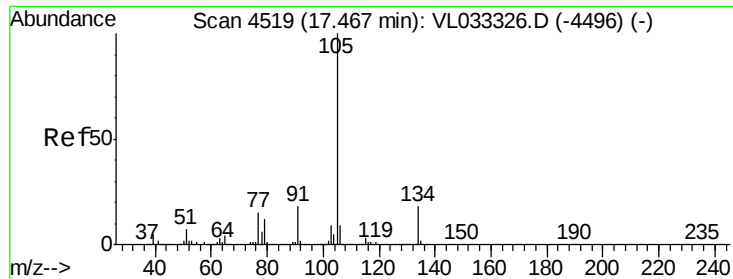


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.462 ppbv

RT: 17.46 min Scan# 4518

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

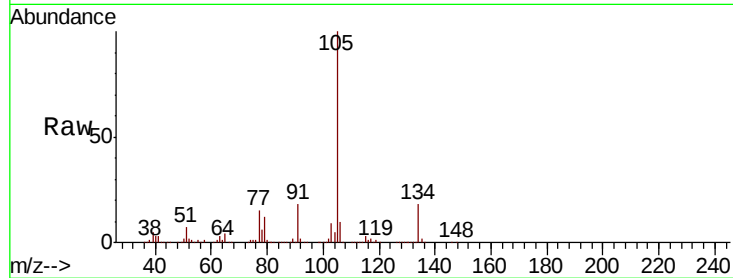
ClientSampleId :

Tot Ion:105 Resp: 4360911

Ion Ratio Lower Upper

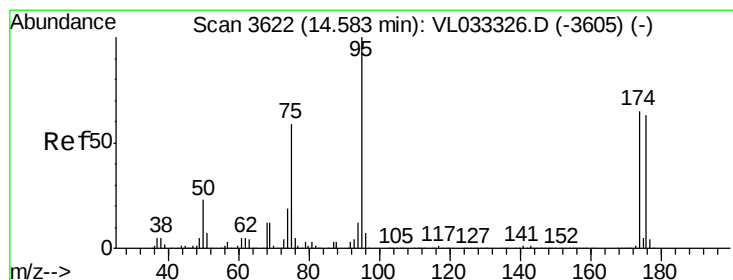
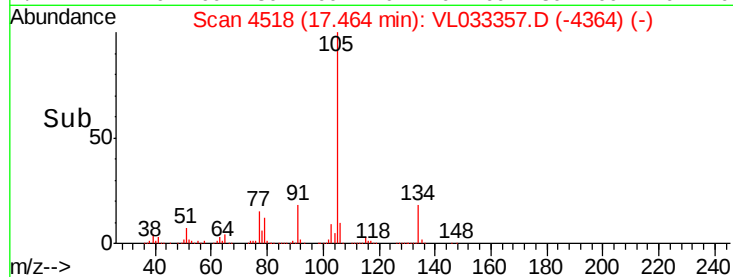
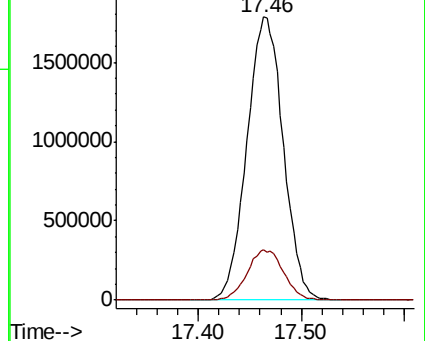
105 100

134 17.8 14.2 21.4



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: 8.235 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

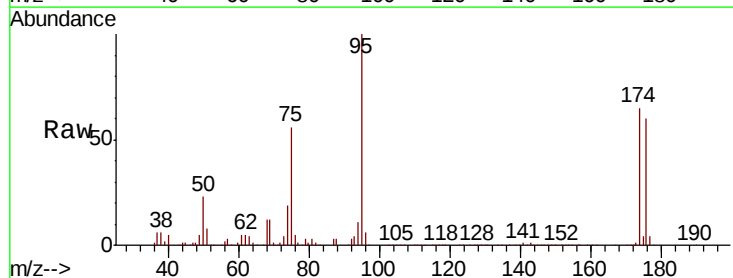
Tgt Ion: 95 Resp: 1495026

Ion Ratio Lower Upper

95 100

174 64.9 51.5 77.3

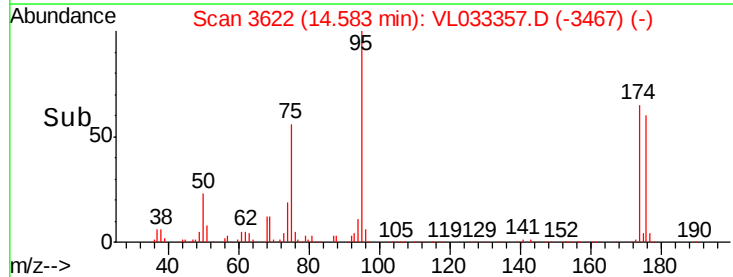
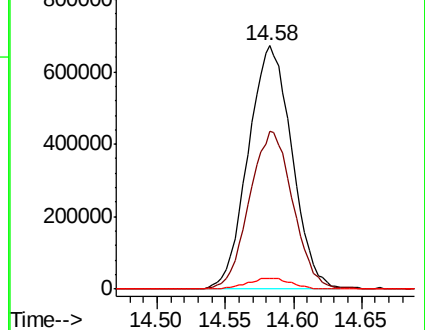
175 4.6 3.8 5.6

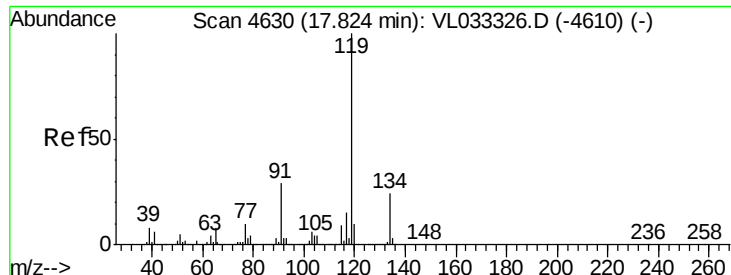


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

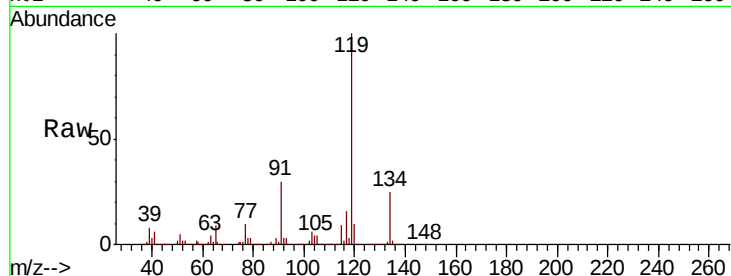




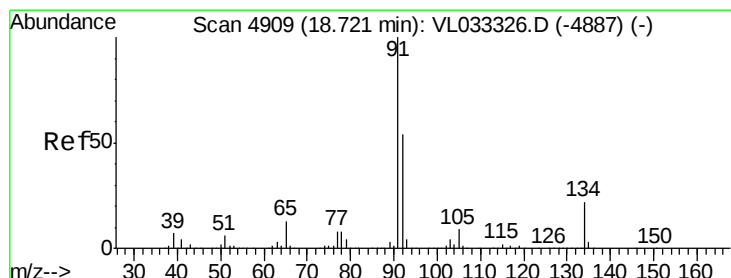
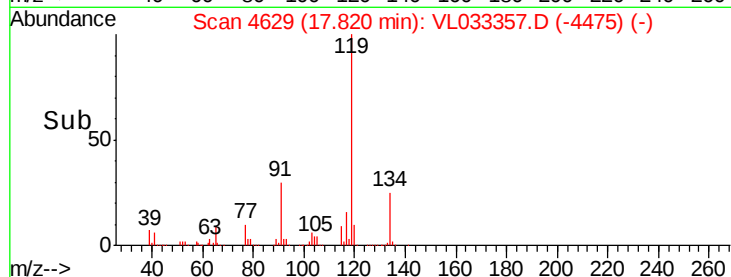
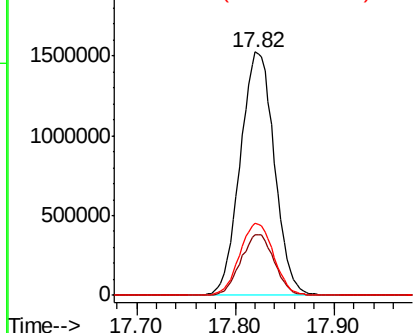
#69
 p-Isopropyltoluene
 Concen: 8.638 ppbv
 RT: 17.82 min Scan# 4629
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:119 Resp: 3637122
 Ion Ratio Lower Upper
 119 100
 134 24.7 19.8 29.6
 91 29.7 23.4 35.2

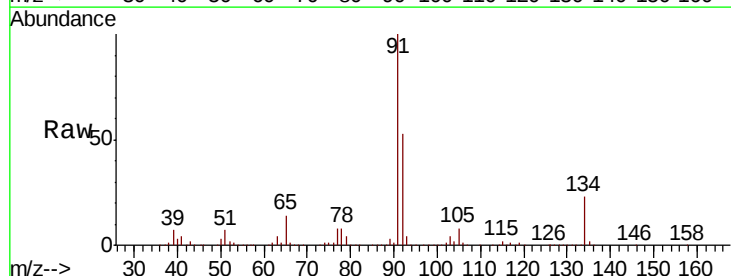


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

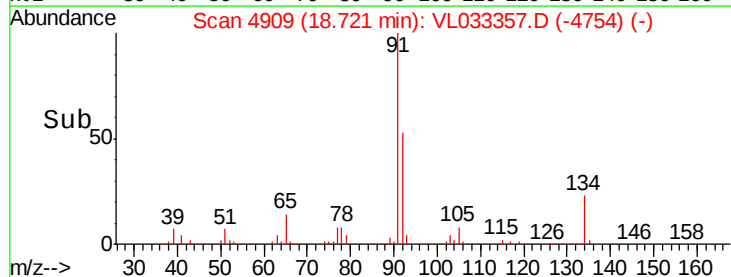
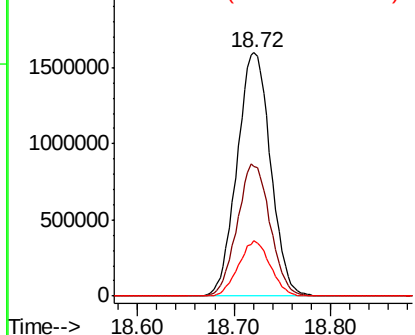


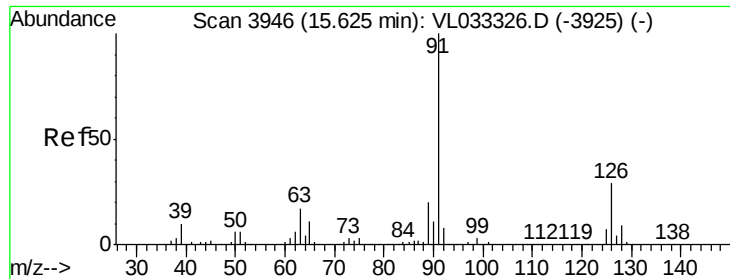
#70
 n-Butylbenzene
 Concen: 8.564 ppbv
 RT: 18.72 min Scan# 4909
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

Tgt Ion: 91 Resp: 3845078
 Ion Ratio Lower Upper
 91 100
 92 53.4 42.8 64.2
 134 21.6 17.4 26.0



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

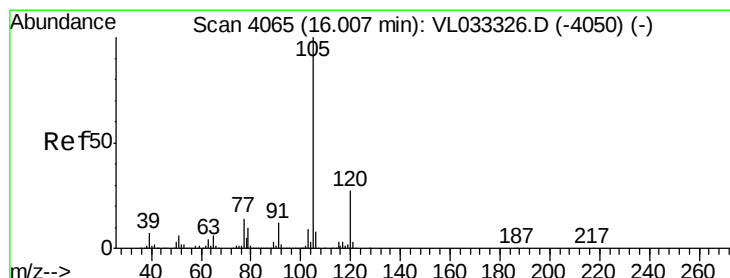
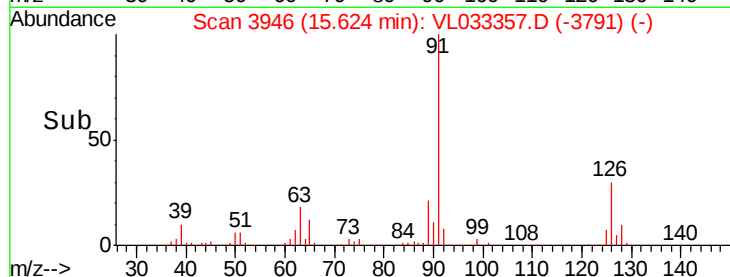
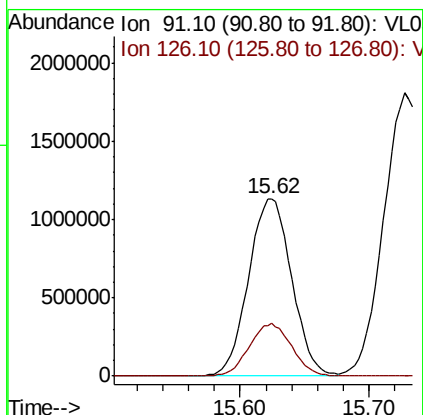
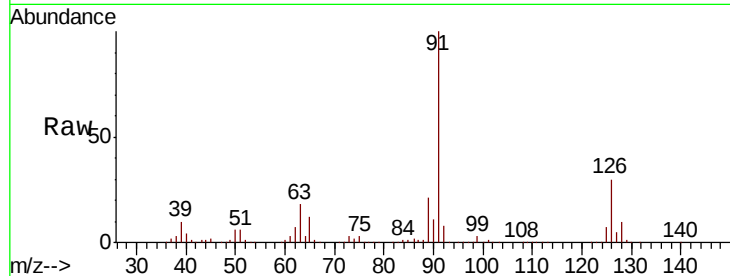




#71
2-Chlorotoluene
Concen: 8.402 ppbv
RT: 15.62 min Scan# 3946
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

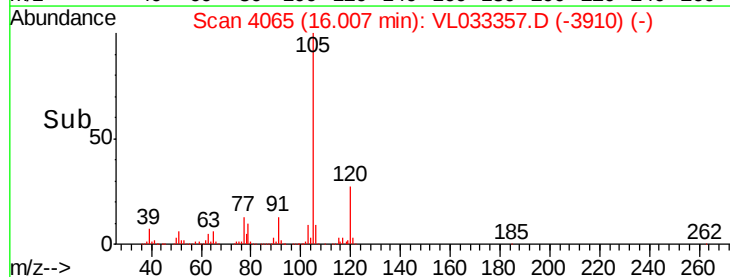
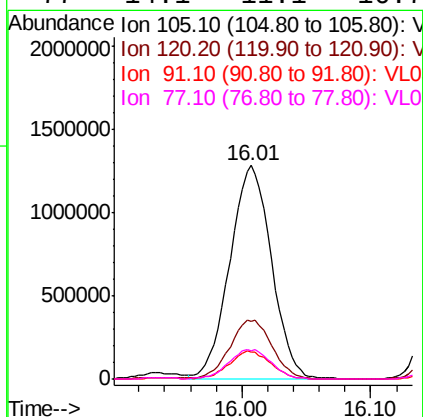
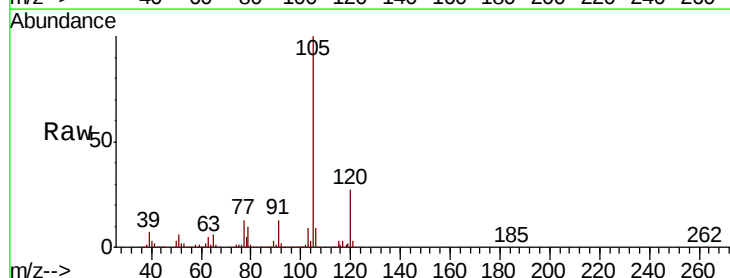
Instrument :
MSVOA_L
ClientSampled :

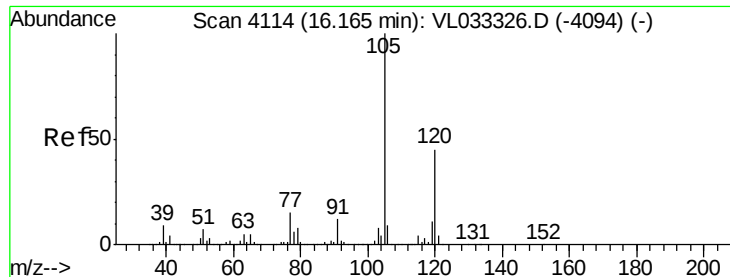
Tot Ion: 91 Resp: 2642018
Ion Ratio Lower Upper
91 100
126 29.2 11.6 46.6



#72
4-Ethyltoluene
Concen: 8.695 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.00 min
Lab File: VL033357.D
Acq: 16 Mar 2019 8:22

Tgt Ion:105 Resp: 2869327
Ion Ratio Lower Upper
105 100
120 28.2 22.9 34.3
91 13.1 10.2 15.2
77 14.1 11.1 16.7

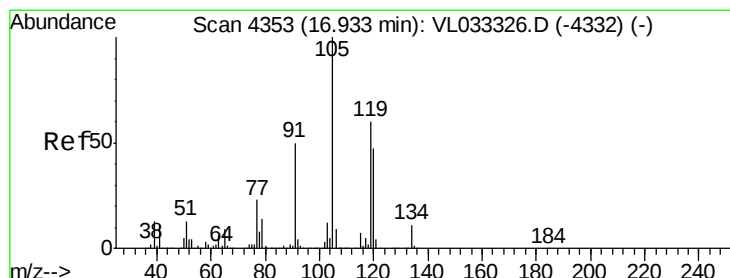
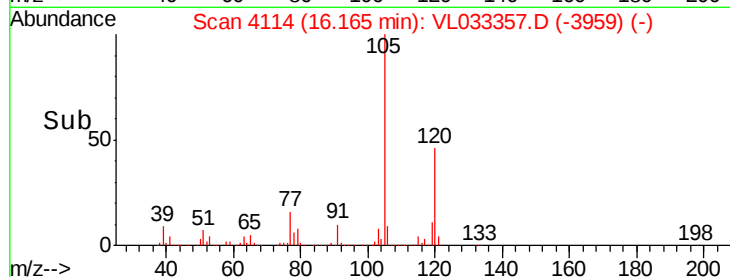
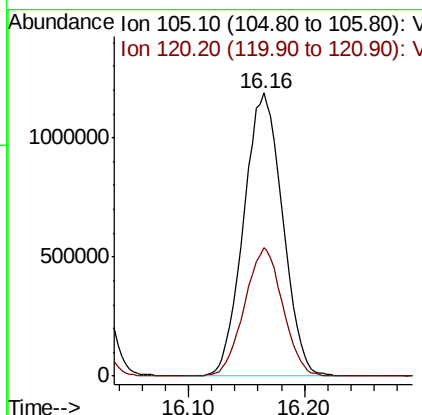
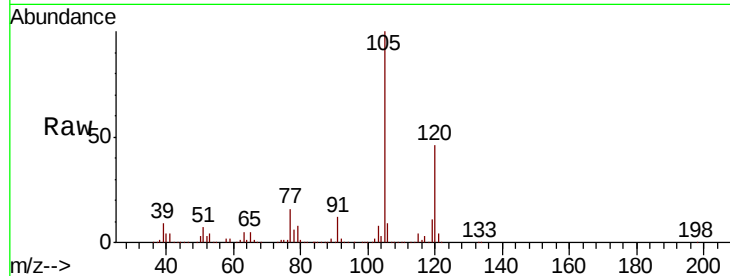




#73
 1,3,5-Trimethylbenzene
 Concen: 8.616 ppbv
 RT: 16.16 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

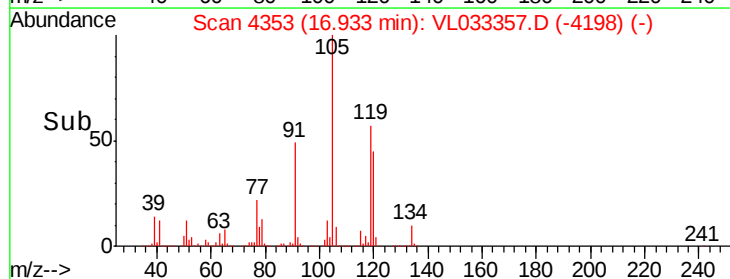
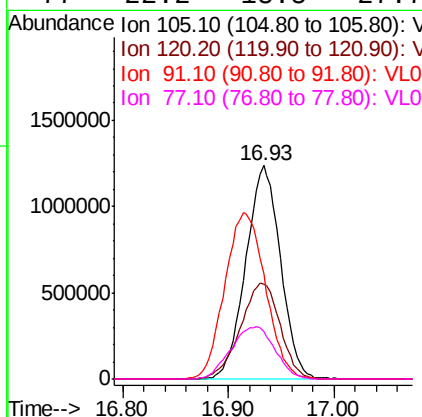
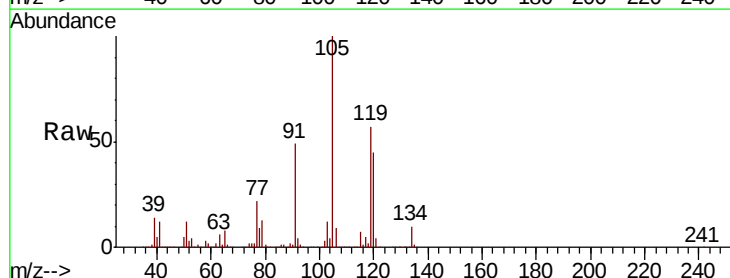
Instrument :
 MSVOA_L
 ClientSampled :

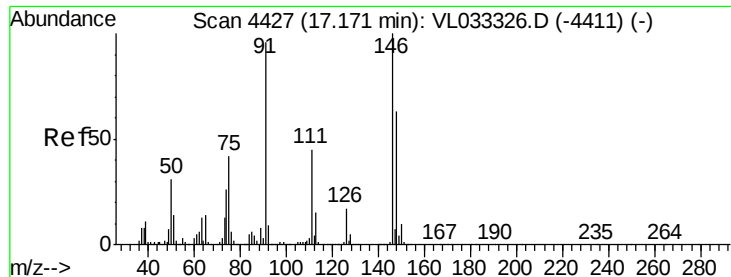
Tot Ion:105 Resp: 2769846
 Ion Ratio Lower Upper
 105 100
 120 45.6 36.2 54.4



#74
 1,2,4-Trimethylbenzene
 Concen: 8.326 ppbv
 RT: 16.93 min Scan# 4353
 Delta R.T. -0.00 min
 Lab File: VL033357.D
 Acq: 16 Mar 2019 8:22

Tgt Ion:105 Resp: 2834583
 Ion Ratio Lower Upper
 105 100
 120 44.5 37.4 56.2
 91 49.1 41.0 61.4
 77 22.2 18.5 27.7





#75

1,3-Dichlorobenzene

Concen: 8.138 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

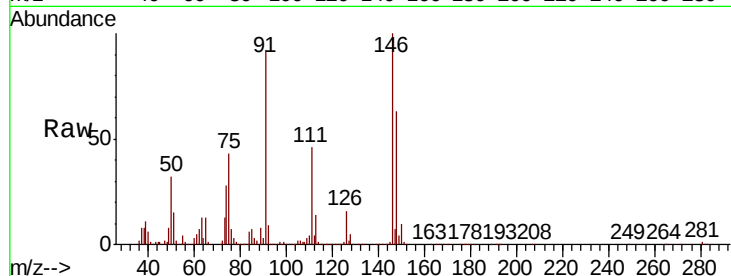
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:146 Resp: 1632914

Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.8	68.3
148	63.6	31.9	95.7

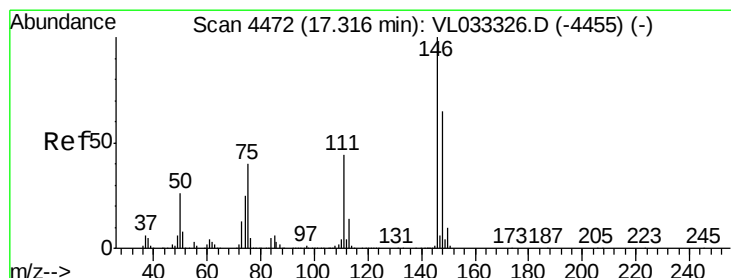
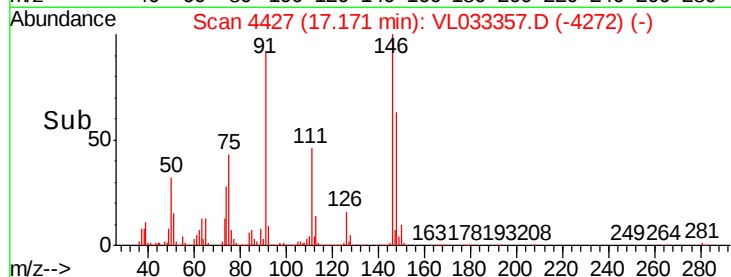
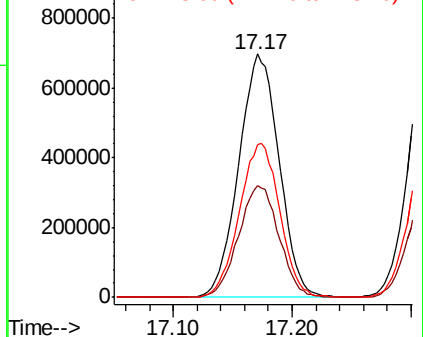


Abundance

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



#76

1,4-Dichlorobenzene

Concen: 8.377 ppbv

RT: 17.31 min Scan# 4471

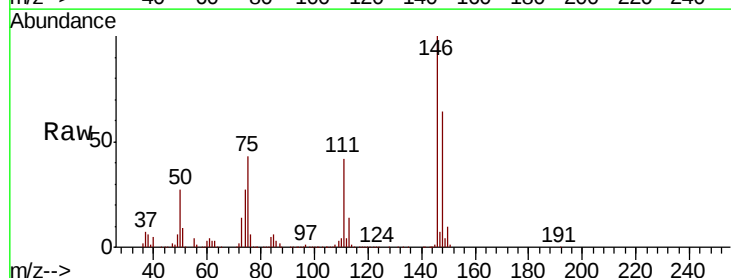
Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Tgt Ion:146 Resp: 1627576

Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.9	65.7
148	63.9	32.1	96.5

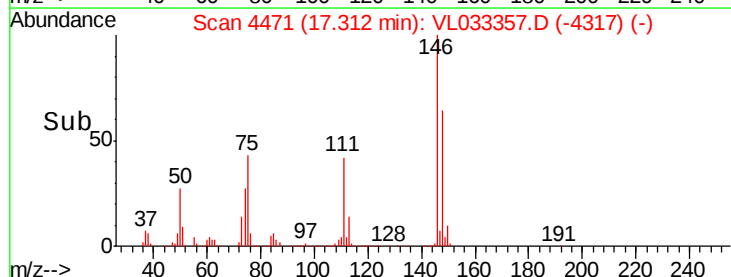
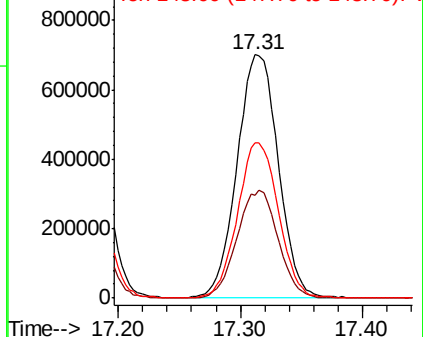


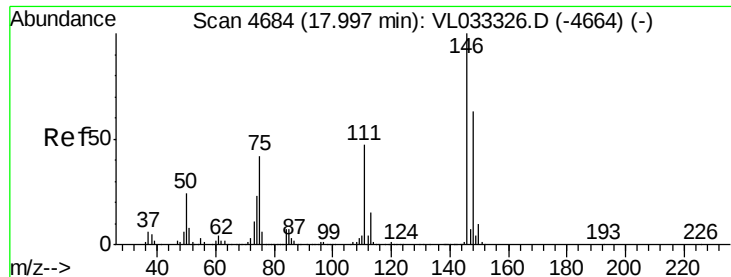
Abundance

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: 8.485 ppbv

RT: 17.99 min Scan# 4683

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

ClientSampled :

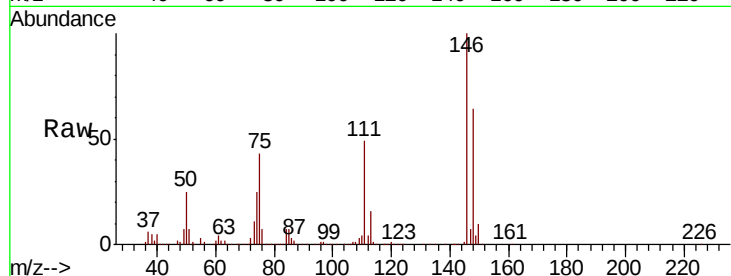
Tot Ion:146 Resp: 1612642

Ion Ratio Lower Upper

146 100

111 46.9 23.5 70.6

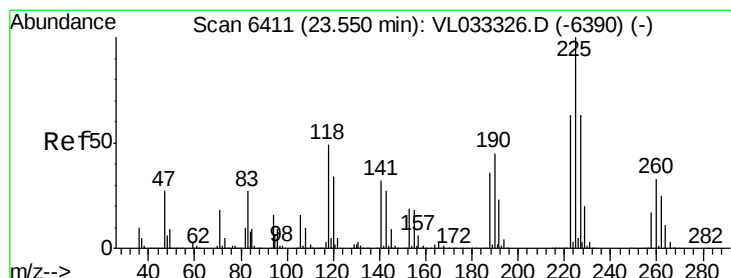
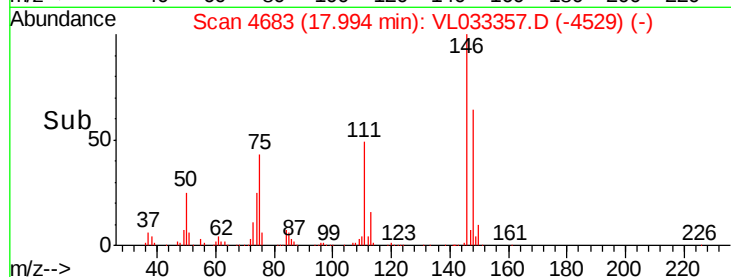
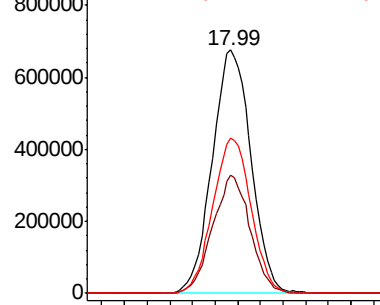
148 63.2 31.9 95.9



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.424 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

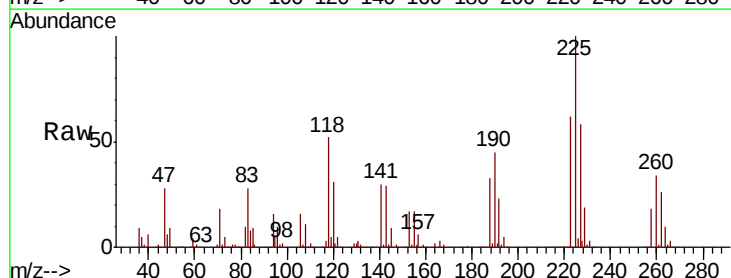
Tgt Ion:225 Resp: 845889

Ion Ratio Lower Upper

225 100

223 62.8 50.4 75.6

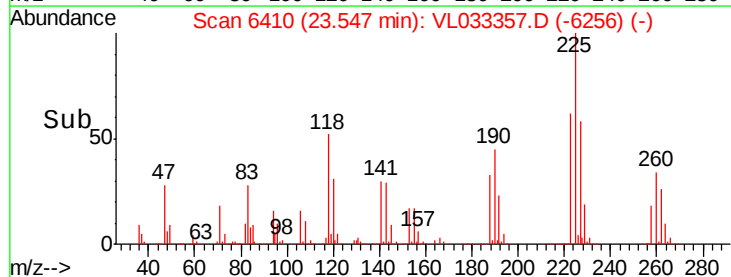
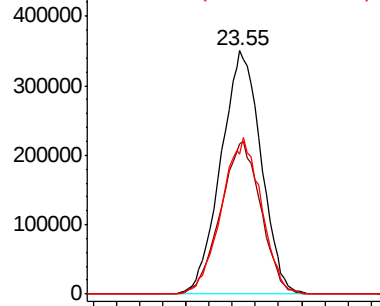
227 63.8 50.5 75.7

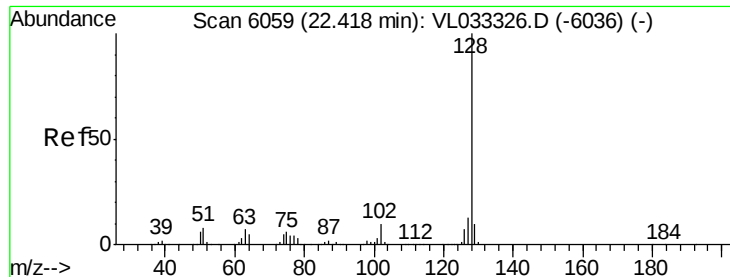


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.454 ppbv

RT: 22.42 min Scan# 6059

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

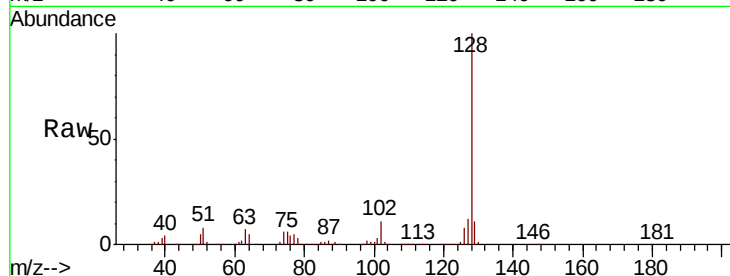
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:128 Resp: 2773764

Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.1	15.1
129	11.4	8.2	12.2

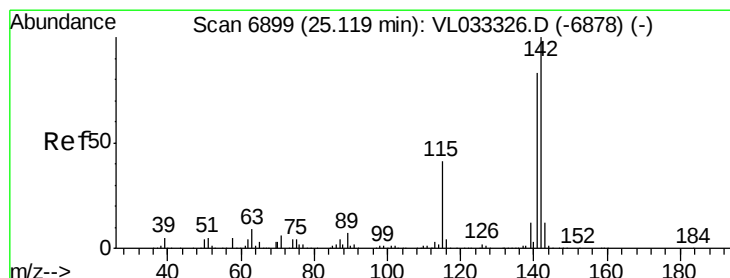
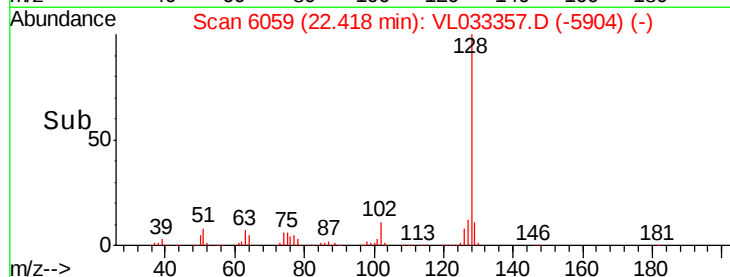
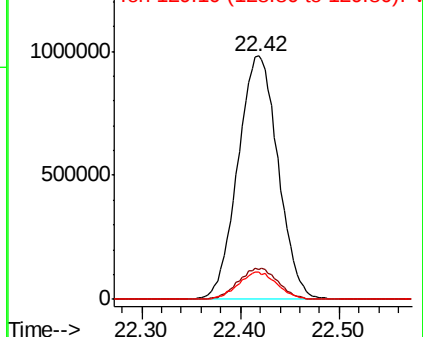


Abundance

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: 9.139 ppbv

RT: 25.12 min Scan# 6898

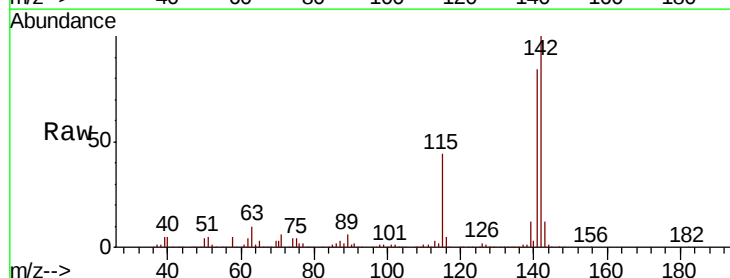
Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Tgt Ion:142 Resp: 1421796

Ion	Ratio	Lower	Upper
142	100		
141	85.2	67.1	100.7
115	44.1	33.8	50.6

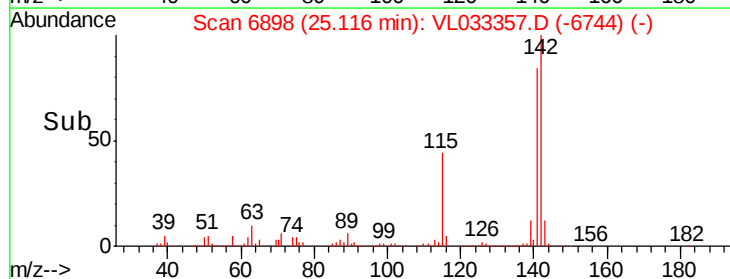
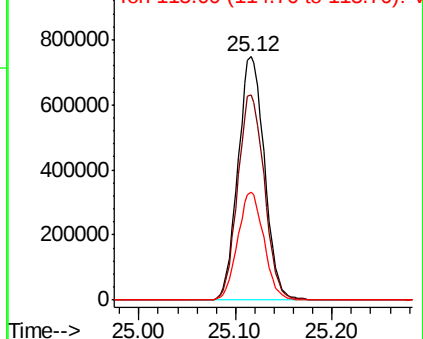


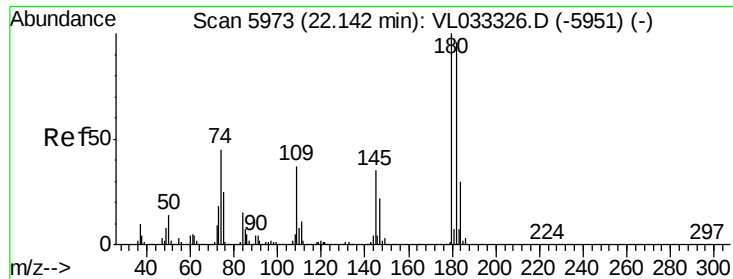
Abundance

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: 8.239 ppbv

RT: 22.14 min Scan# 5972

Delta R.T. -0.00 min

Lab File: VL033357.D

Acq: 16 Mar 2019 8:22

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 1378413

Ion Ratio Lower Upper

180 100

182 96.0 76.1 114.1

184 30.8 24.6 37.0

