

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
 Data File : VL033326.D
 Acq On : 15 Mar 2019 10:25
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Quant Time: Mar 15 12:28:12 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 12:24:28 2019
 QLast Update : Fri Mar 15 12:24:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	856212	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	1991733	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2779134	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1663558	7.88	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	3.08	85	1456697	9.397	ppbv 100
3) Chlorodifluoromethane	3.02	51	929233	9.482	ppbv 100
4) Chloromethane	3.17	50	492344	9.243	ppbv 100
5) Vinyl Chloride	3.29	62	482667	8.932	ppbv 100
6) Bromomethane	3.52	94	316306	9.652	ppbv 100
7) Chloroethane	3.60	64	178086	9.189	ppbv 100
8) Dichlorotetrafluoroethane	3.22	85	1206481	9.132	ppbv 100
9) Propene	3.04	41	400495	9.115	ppbv 100
10) Heptane	8.25	43	1065248	9.604	ppbv 100
11) Trichlorofluoromethane	4.01	101	1418277	9.634	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	938539	9.733	ppbv 100
13) Ethanol	3.65	45	89645	5.868	ppbv 99
14) Bromoethene	3.79	108	392440	9.621	ppbv 100
15) Acetone	3.90	43	928899	7.086	ppbv 100
16) 1,3-Butadiene	3.36	39	409223	8.891	ppbv 100
17) tert-Butyl alcohol	4.36	59	163805	8.760	ppbv 100
18) 1,1-Dichloroethene	4.35	96	422610	9.895	ppbv 100
19) Isopropyl Alcohol	4.02	45	550835	8.375	ppbv 100
20) Methylene Chloride	4.41	84	353757	8.423	ppbv 100
21) Allyl Chloride	4.48	41	650331	10.027	ppbv 100
22) trans-1,2-Dichloroethene	4.97	96	424715	10.010	ppbv 100
23) Vinyl Acetate	5.16	43	1504143	9.825	ppbv 100
24) 1,1-Dichloroethane	5.09	63	1050011	9.624	ppbv 100
25) Ethyl Acetate	5.77	43	1807302	9.526	ppbv 100
26) Hexane	5.78	57	798421	9.197	ppbv 100
27) Carbon Disulfide	4.62	76	1043072	10.650	ppbv 100
28) Methyl tert-Butyl Ether	5.12	73	1258899	10.069	ppbv 100
29) Chloroform	5.85	83	1338995	9.463	ppbv 100
30) Cyclohexane	7.25	84	678472	9.870	ppbv 100
31) cis-1,2-Dichloroethene	5.64	61	853011	9.915	ppbv 100
32) 1,1,1-Trichloroethane	6.62	97	1375723	9.795	ppbv 100
34) 2-Butanone	5.33	43	1191766	9.434	ppbv 100
35) Carbon Tetrachloride	7.14	117	1396355	9.714	ppbv 100
36) Benzene	7.01	78	1699383	9.546	ppbv 100
37) 1,2-Dichloroethane	6.42	62	1053756	9.494	ppbv 100
38) Trichloroethene	7.97	130	640296	9.138	ppbv 100
39) 1,2-Dichloropropane	7.74	63	643787	9.503	ppbv 100
40) 1,4-Dioxane	7.96	88	219037	8.827	ppbv 100
41) Tetrahydrofuran	6.15	42	696935	9.948	ppbv 100
42) Bromodichloromethane	7.92	83	1506935	9.961	ppbv 100
43) Methyl Methacrylate	8.14	69	699512	10.078	ppbv 100

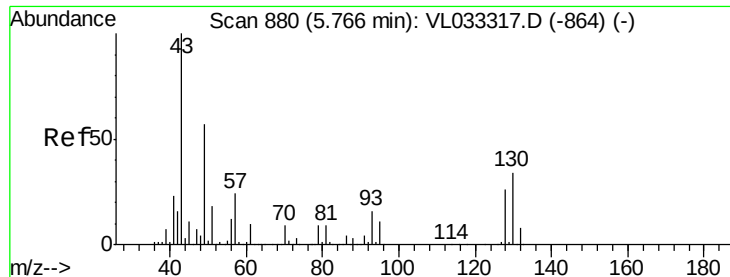
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031519\
 Data File : VL033326.D
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	2830506	9.480	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	984897	11.582	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1080794	10.819	ppbv	100
47) 1,1,2-Trichloroethane	9.62	97	723759	9.932	ppbv	100
48) Dibromochloromethane	10.46	129	1392747	11.184	ppbv	100
49) Bromoform	13.21	173	1251040	11.099	ppbv	100
50) 4-Methyl-2-Pentanone	8.87	43	1778884	9.628	ppbv	100
51) 2-Hexanone	10.27	43	1423259	9.671	ppbv #	100
52) Tetrachloroethene	11.38	164	708513	9.852	ppbv	100
53) Toluene	9.95	91	2033065	10.011	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1263525	10.638	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.28	131	981479	7.870	ppbv	100
57) Chlorobenzene	12.31	112	1664880	7.542	ppbv	100
58) Ethyl Benzene	12.87	91	3156238	8.027	ppbv	100
59) m/p-Xylene	13.13	91	2616460	7.811	ppbv #	100
60) o-Xylene	13.86	91	2564716	7.817	ppbv	100
61) Styrene	13.69	104	1924195	8.396	ppbv	100
62) Isopropylbenzene	14.83	105	3599610	7.938	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	1762437	7.104	ppbv	100
64) n-propylbenzene	15.73	120	917950	8.020	ppbv	100
65) tert-Butylbenzene	16.91	119	3229047	7.728	ppbv	100
66) Benzyl Chloride	17.16	91	1776490	10.420	ppbv	100
67) sec-Butylbenzene	17.47	105	4622545	7.741	ppbv	100
69) p-Isopropyltoluene	17.82	119	3837860	7.896	ppbv	100
70) n-Butylbenzene	18.72	91	4005884	7.717	ppbv	100
71) 2-Chlorotoluene	15.62	91	2799024	7.752	ppbv	100
72) 4-Ethyltoluene	16.01	105	3036283	8.110	ppbv	100
73) 1,3,5-Trimethylbenzene	16.16	105	2903418	7.832	ppbv	100
74) 1,2,4-Trimethylbenzene	16.93	105	2977537	7.630	ppbv	100
75) 1,3-Dichlorobenzene	17.17	146	1723618	7.594	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	1728953	7.736	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	1677051	7.636	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	917603	6.941	ppbv	100
79) Naphthalene	22.42	128	2929304	7.686	ppbv	100
80) Naphthalene,2-methyl-	25.12	142	1484934	8.082	ppbv	100
81) 1,2,4-Trichlorobenzene	22.14	180	1458644	7.381	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. 0.00 min

Lab File: VL033326.D

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MSVOA_L

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VSTDICCC010

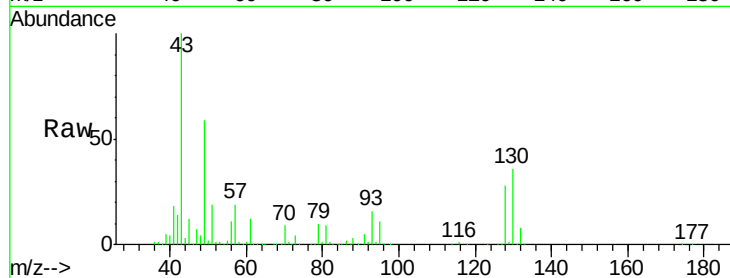
Tgt Ion: 49 Resp: 856212

Ion Ratio Lower Upper

49 100

128 47.1 23.5 70.6

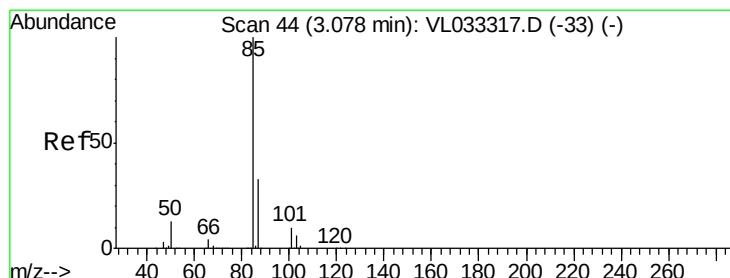
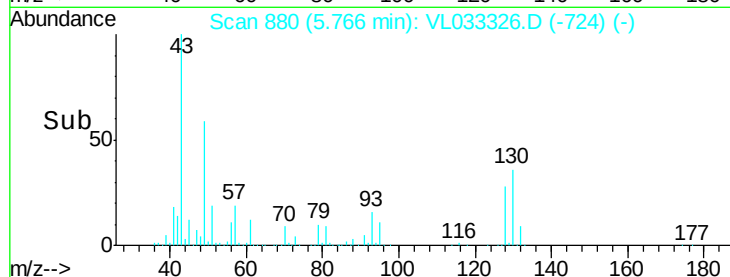
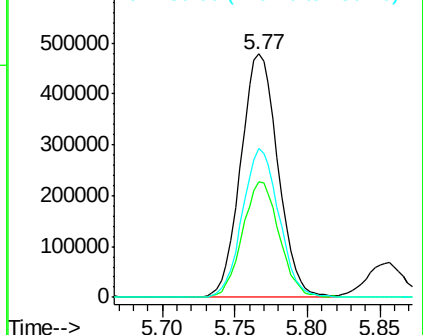
130 60.2 30.1 90.3



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: 9.397 ppbv

RT: 3.08 min Scan# 44

Delta R.T. 0.00 min

Lab File: VL033326.D

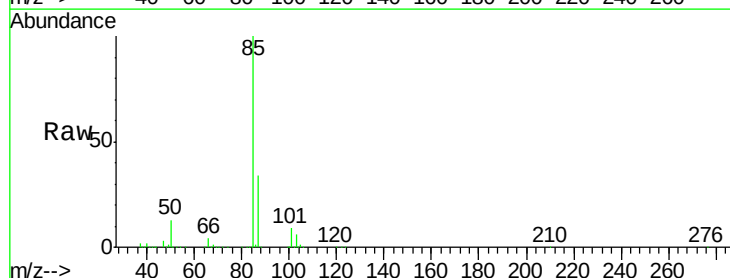
Acq: 15 Mar 2019 10:25

Tgt Ion: 85 Resp: 1456697

Ion Ratio Lower Upper

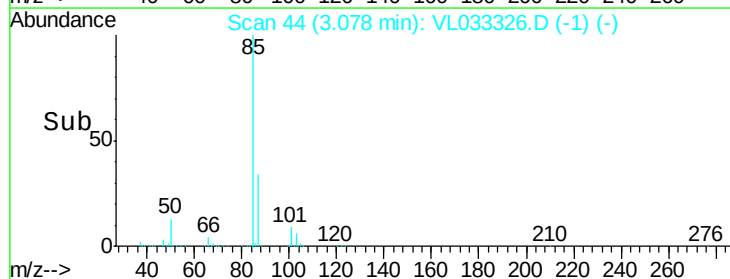
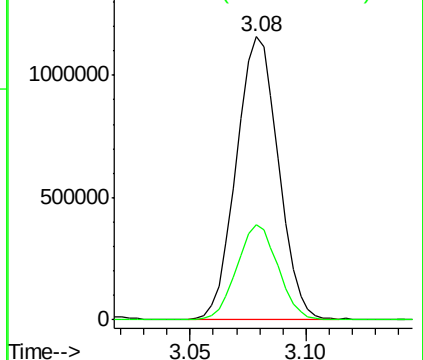
85 100

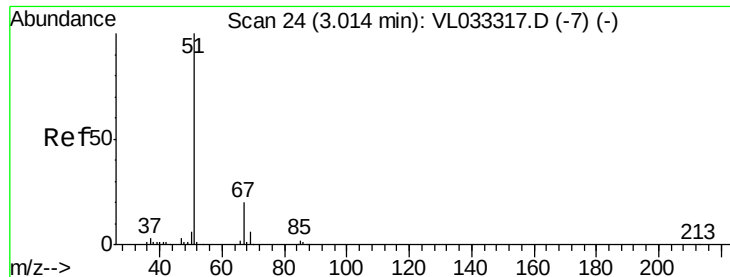
87 33.6 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

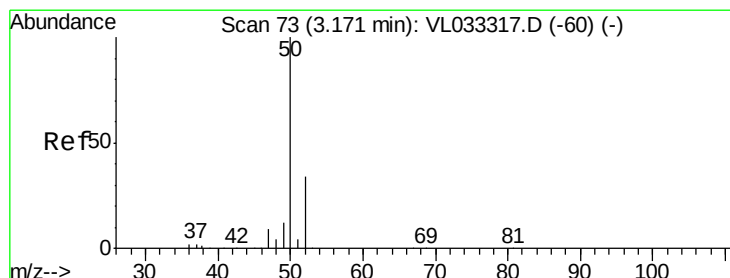
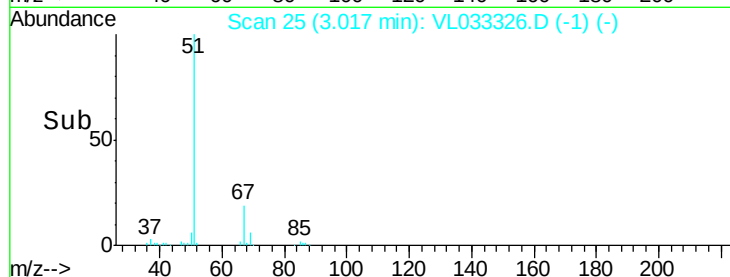
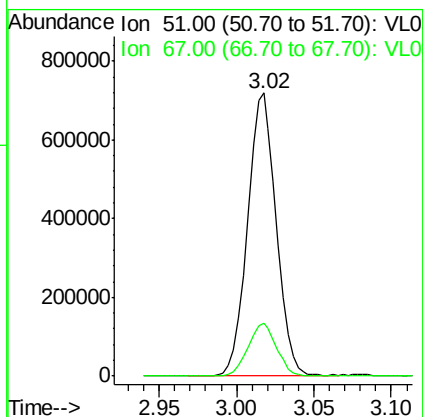
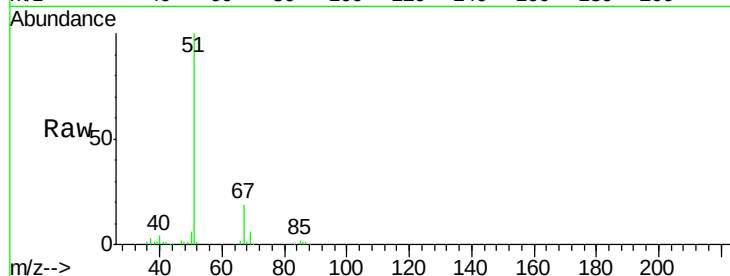




#3
Chlorodifluoromethane
Concen: 9.482 ppbv
RT: 3.02 min Scan# 25
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

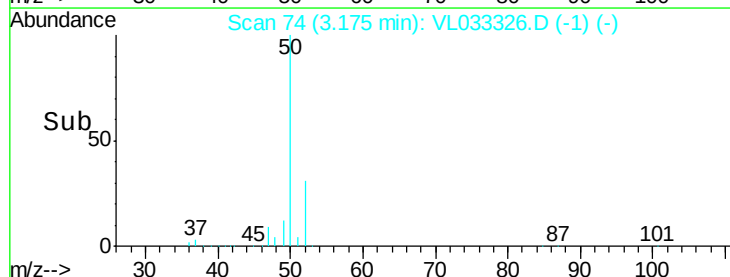
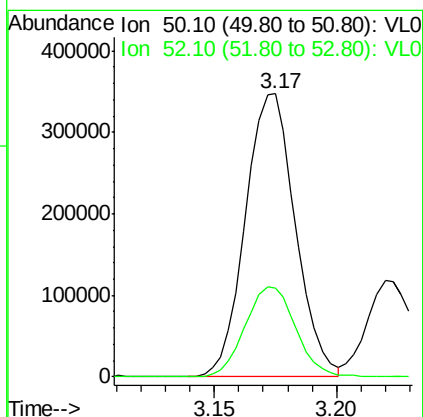
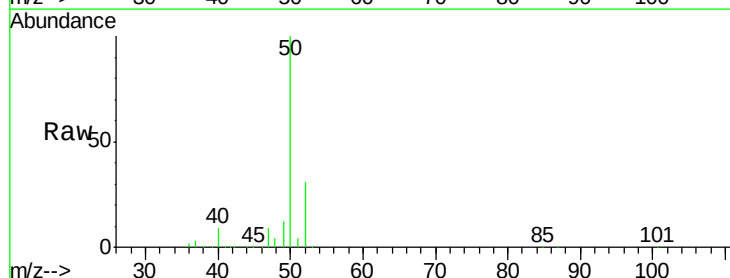
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

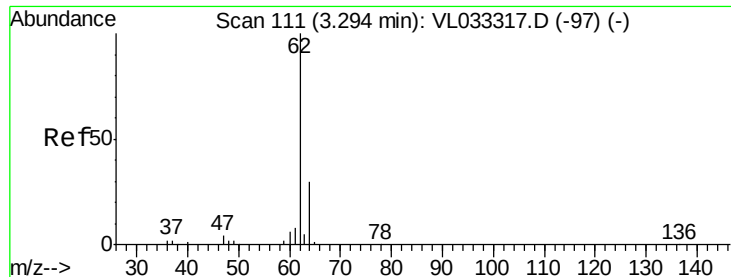
Tgt Ion: 51 Resp: 929233
Ion Ratio Lower Upper
51 100
67 18.6 14.9 22.3



#4
Chloromethane
Concen: 9.243 ppbv
RT: 3.17 min Scan# 74
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

Tgt Ion: 50 Resp: 492344
Ion Ratio Lower Upper
50 100
52 31.3 25.0 37.6





#5

Vinyl Chloride

Concen: 8.932 ppbv

RT: 3.29 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

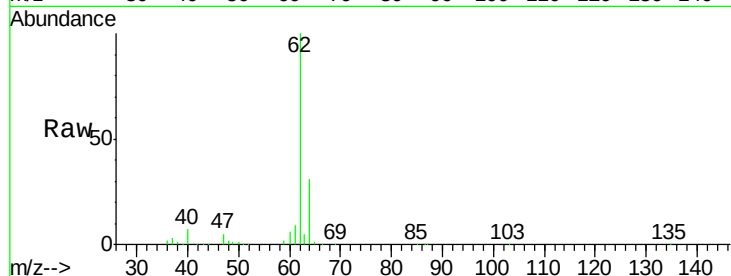
VSTDICCC010

Tgt Ion: 62 Resp: 482667

Ion Ratio Lower Upper

62 100

64 31.3 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

400000

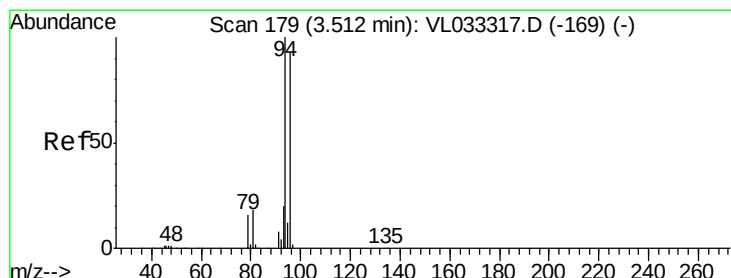
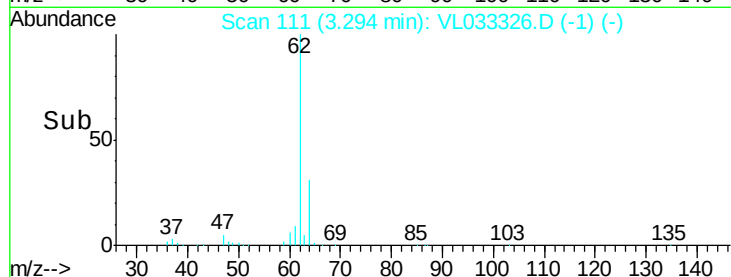
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.652 ppbv

RT: 3.52 min Scan# 180

Delta R.T. 0.00 min

Lab File: VL033326.D

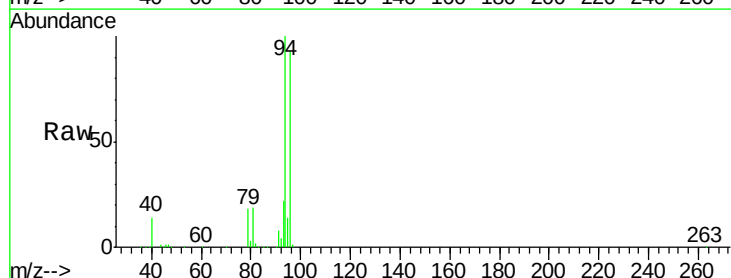
Acq: 15 Mar 2019 10:25

Tgt Ion: 94 Resp: 316306

Ion Ratio Lower Upper

94 100

96 93.2 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.52

250000

200000

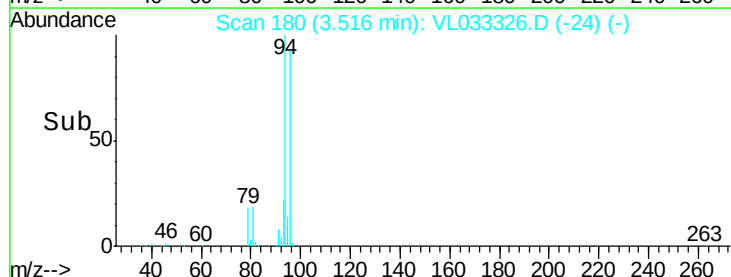
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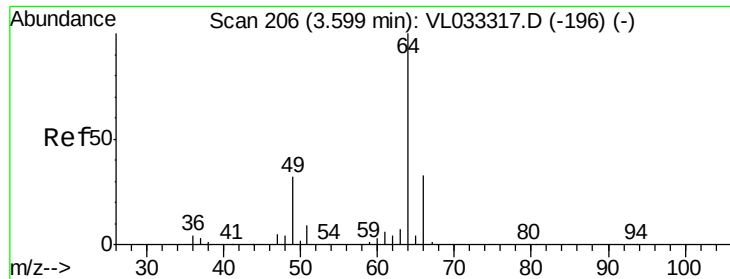
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50000

0

Time-->





#7

Chloroethane

Concen: 9.189 ppbv

RT: 3.60 min Scan# 207

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

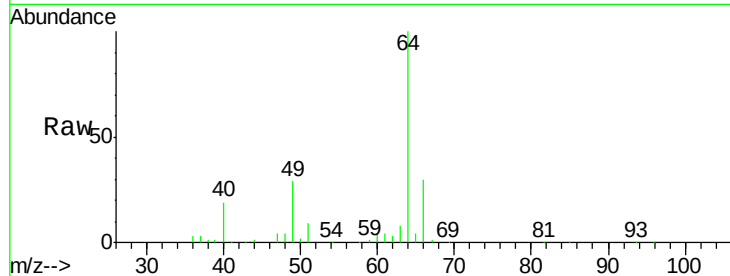
VSTDICCC010

Tgt Ion: 64 Resp: 178086

Ion Ratio Lower Upper

64 100

66 30.0 24.0 36.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.60

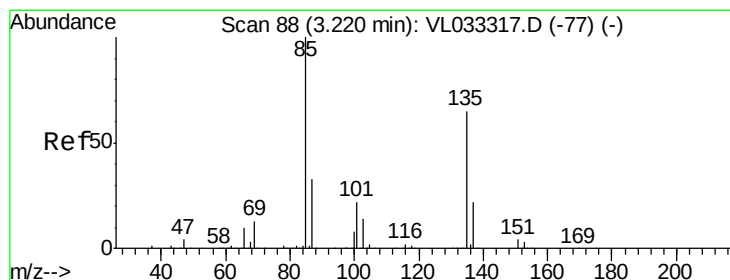
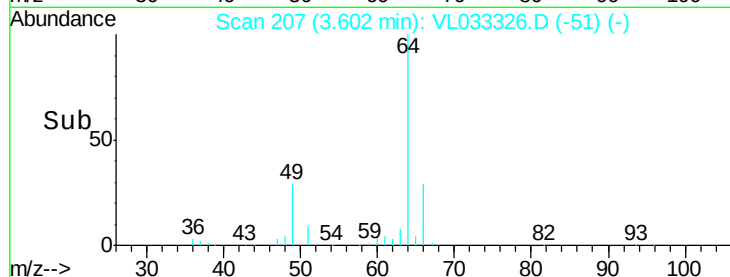
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.132 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL033326.D

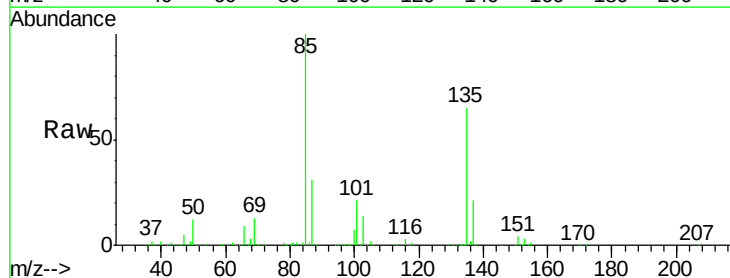
Acq: 15 Mar 2019 10:25

Tgt Ion: 85 Resp: 1206481

Ion Ratio Lower Upper

85 100

135 66.8 53.4 80.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.22

1000000

800000

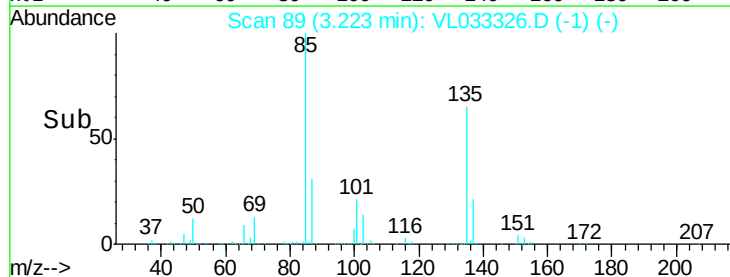
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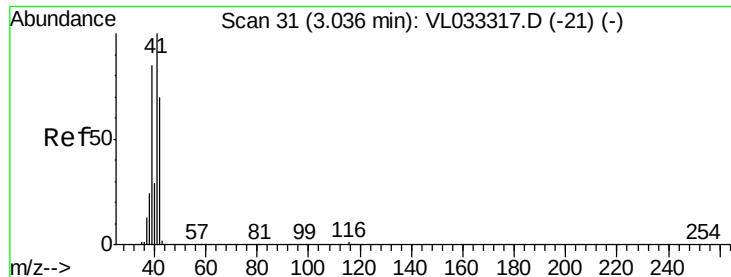
400000

200000

0

Time-->





#9

Propene

Concen: 9.115 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

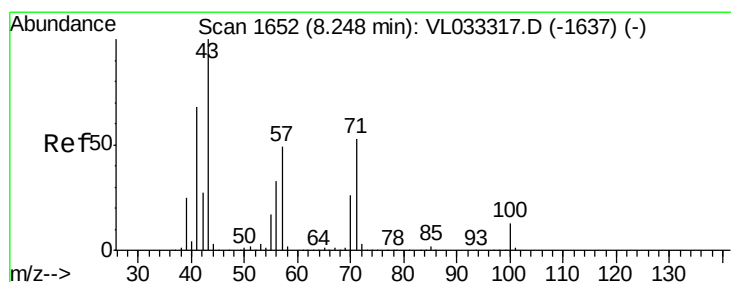
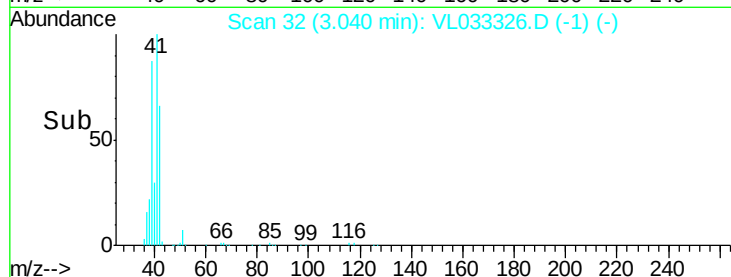
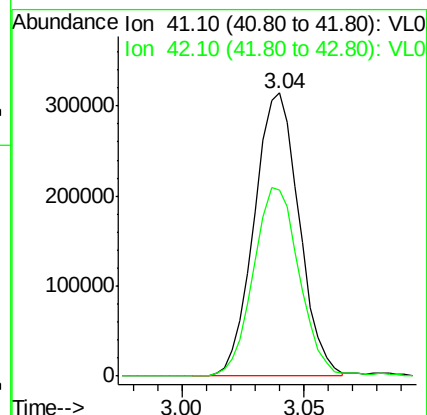
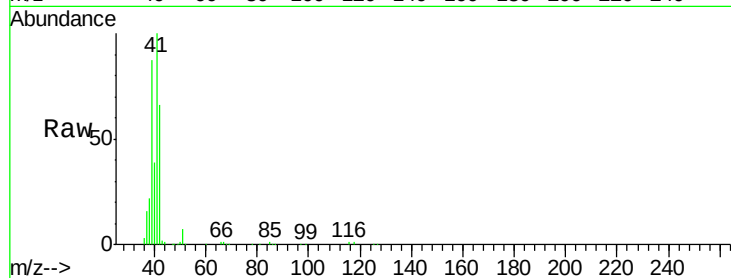
VSTDICCC010

Tgt Ion: 41 Resp: 400495

Ion Ratio Lower Upper

41 100

42 69.0 55.2 82.8



#10

Heptane

Concen: 9.604 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VL033326.D

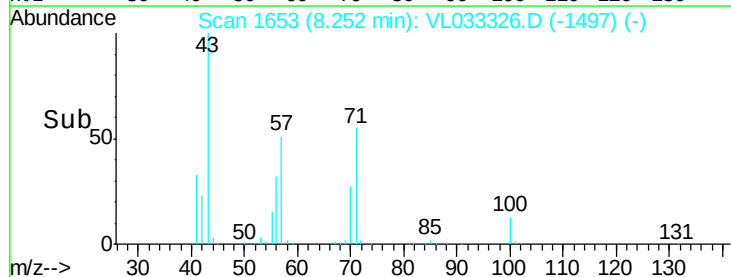
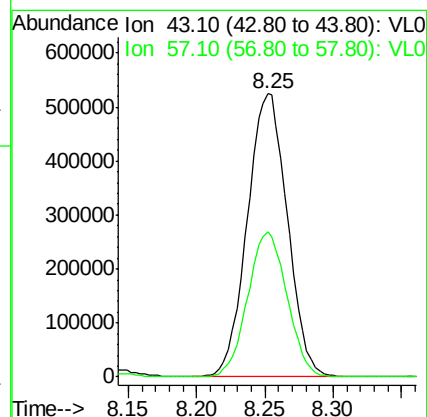
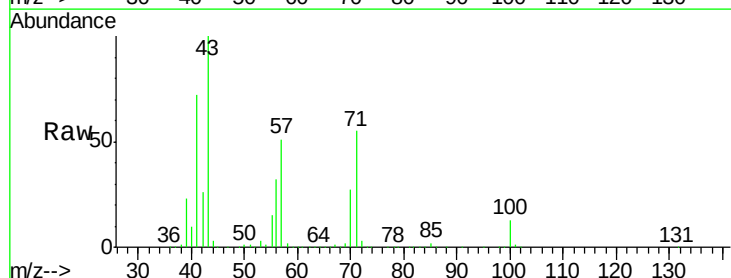
Acq: 15 Mar 2019 10:25

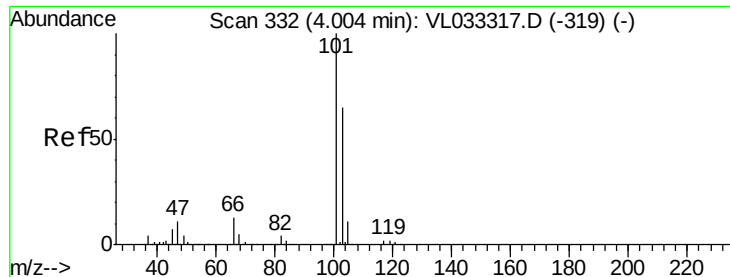
Tgt Ion: 43 Resp: 1065248

Ion Ratio Lower Upper

43 100

57 50.5 40.4 60.6

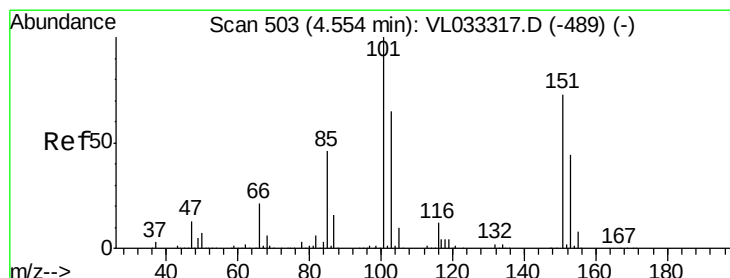
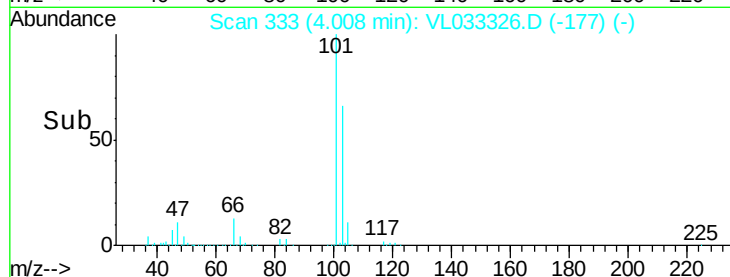
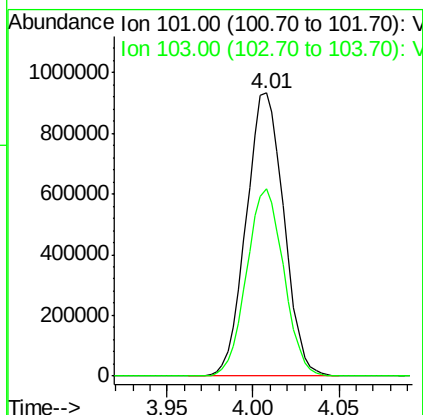
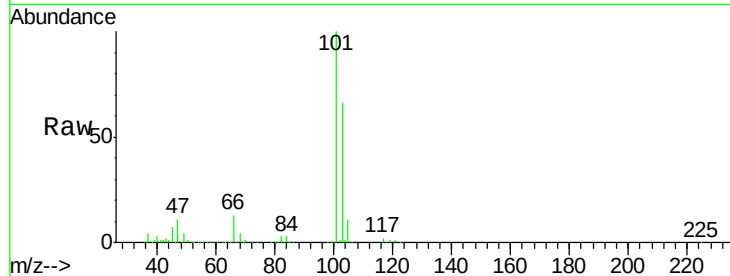




#11
 Trichlorofluoromethane
 Concen: 9.634 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

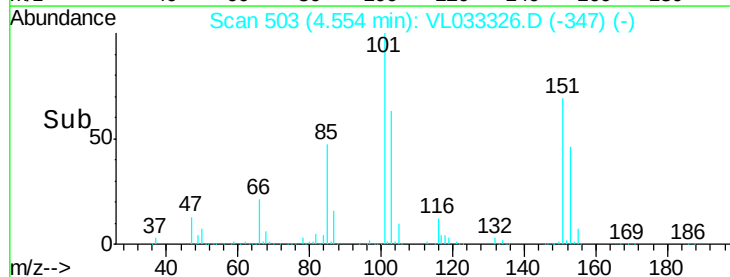
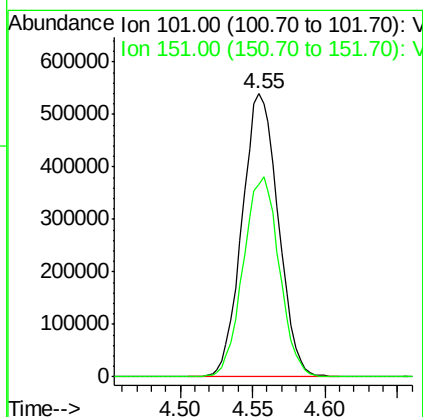
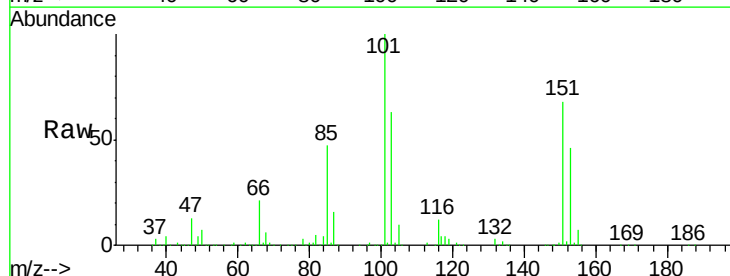
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

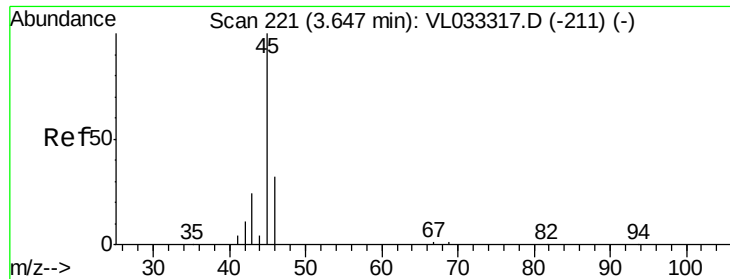
Tgt Ion:101 Resp: 1418277
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.9 79.3



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.733 ppbv
 RT: 4.55 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Tgt Ion:101 Resp: 938539
 Ion Ratio Lower Upper
 101 100
 151 70.4 56.3 84.5

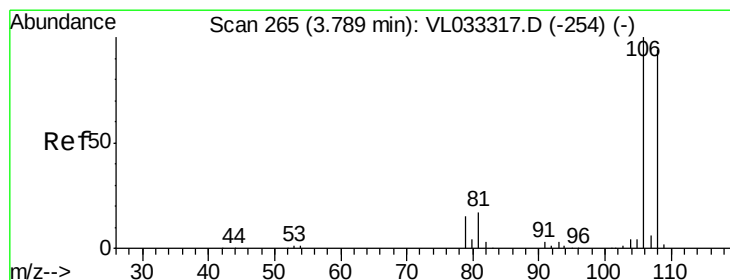
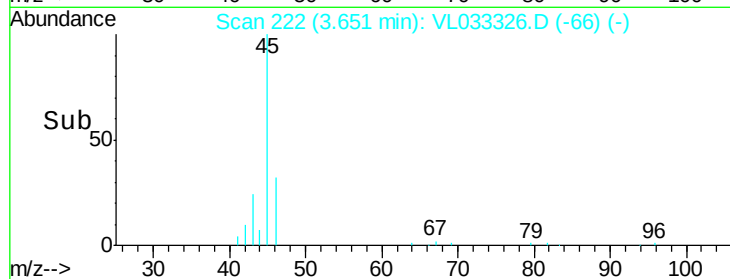
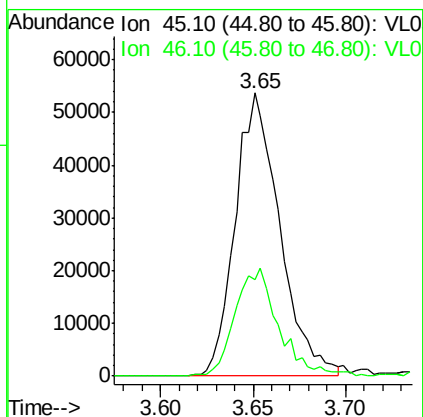
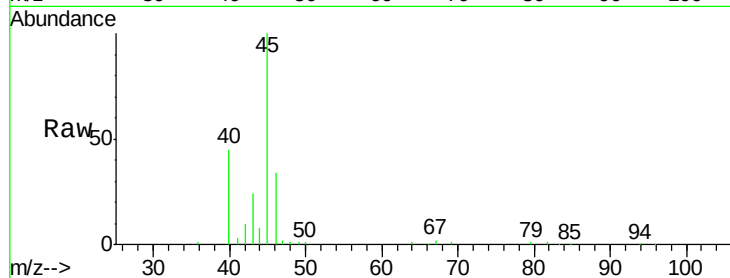




#13
Ethanol
Concen: 5.868 ppbv
RT: 3.65 min Scan# 222
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

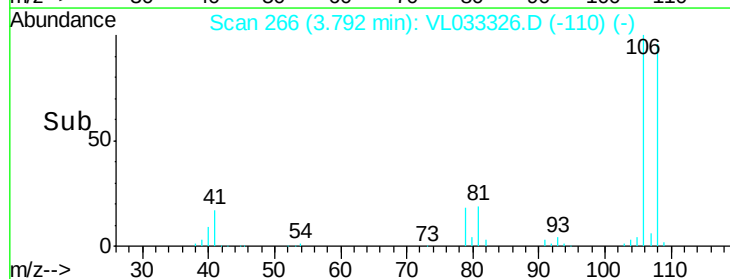
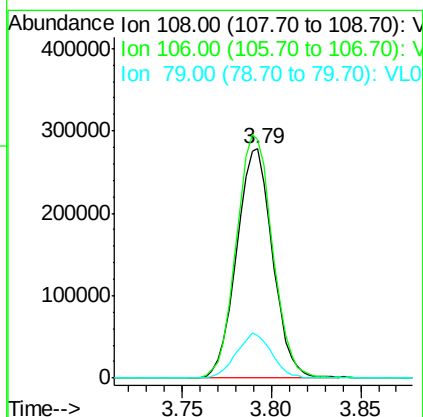
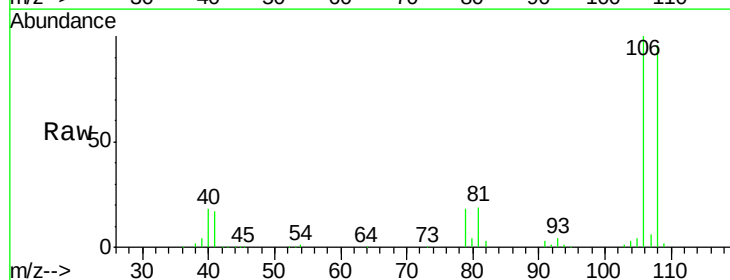
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

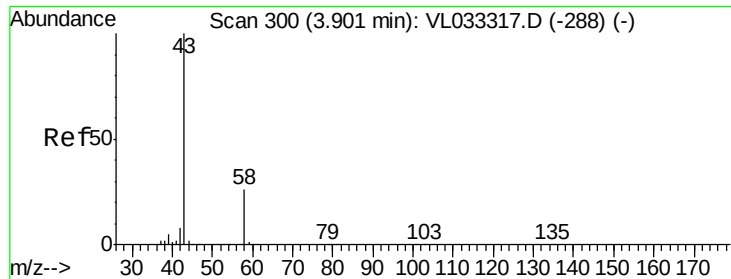
Tgt Ion: 45 Resp: 89645
Ion Ratio Lower Upper
45 100
46 38.2 14.9 59.7



#14
Bromoethene
Concen: 9.621 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

Tgt Ion: 108 Resp: 392440
Ion Ratio Lower Upper
108 100
106 107.6 86.2 129.2
79 19.3 15.4 23.2





#15

Acetone

Concen: 7.086 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

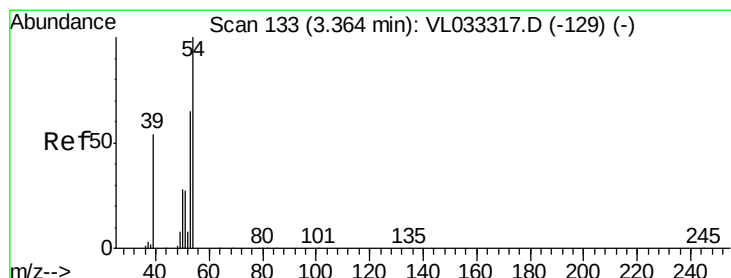
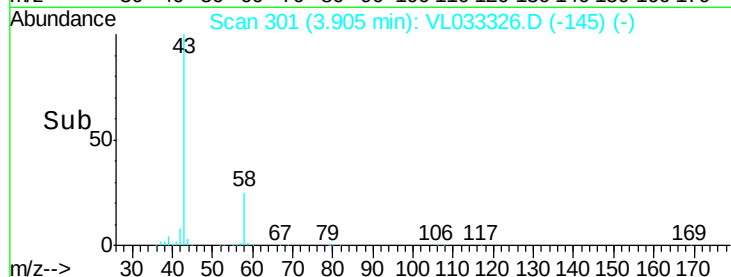
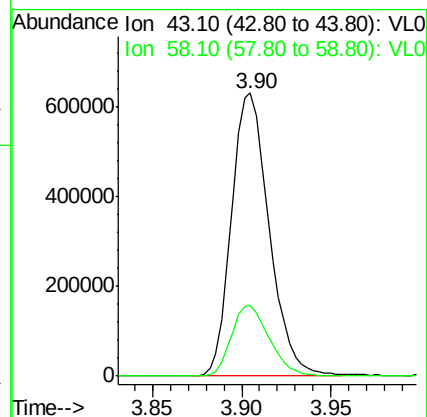
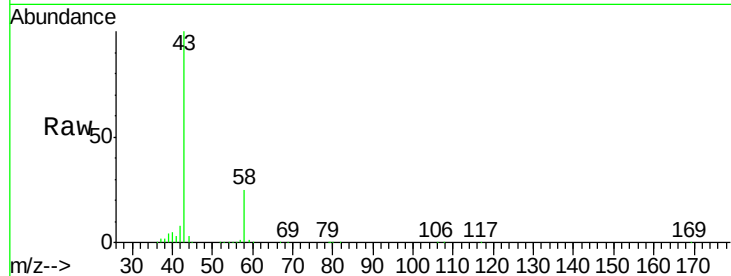
VSTDICCC010

Tgt Ion: 43 Resp: 928899

Ion Ratio Lower Upper

43 100

58 25.4 20.4 30.6



#16

1,3-Butadiene

Concen: 8.891 ppbv

RT: 3.36 min Scan# 133

Delta R.T. 0.00 min

Lab File: VL033326.D

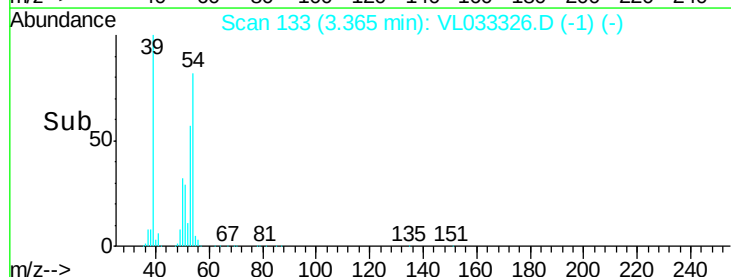
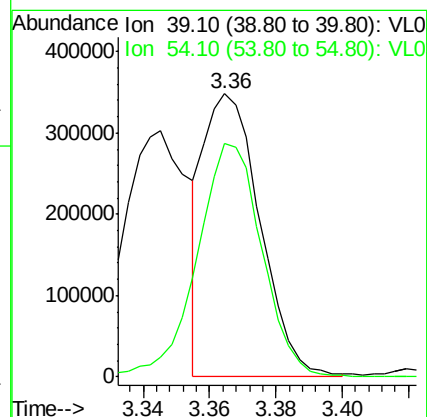
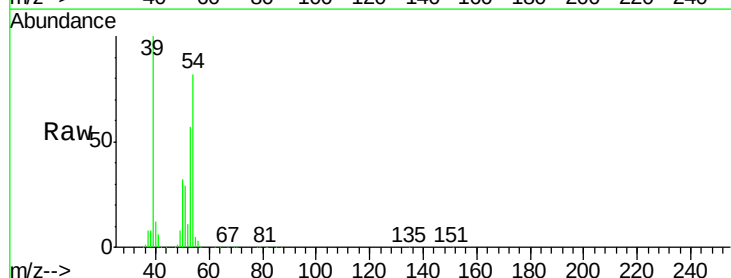
Acq: 15 Mar 2019 10:25

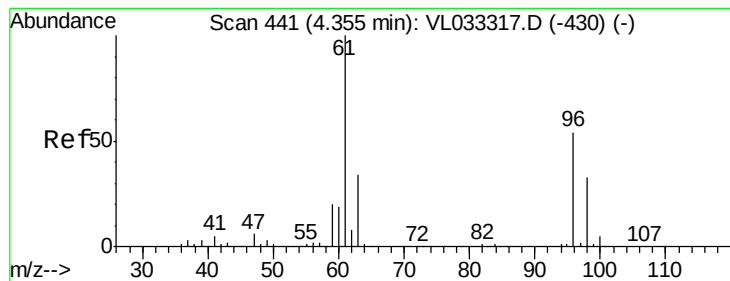
Tgt Ion: 39 Resp: 409223

Ion Ratio Lower Upper

39 100

54 96.0 76.8 115.2





#17

tert-Butyl alcohol

Concen: 8.760 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

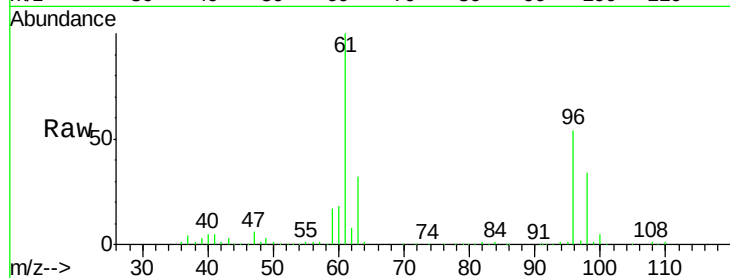
VSTDICCC010

Tgt Ion: 59 Resp: 163805

Ion Ratio Lower Upper

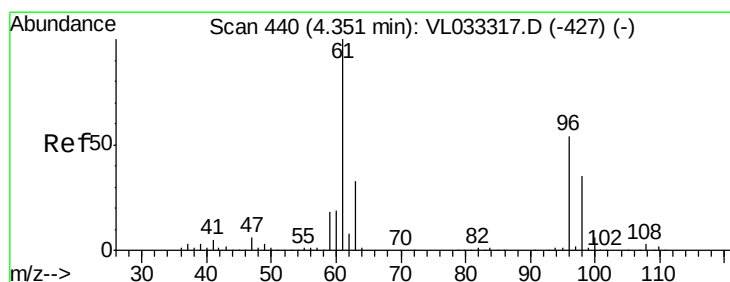
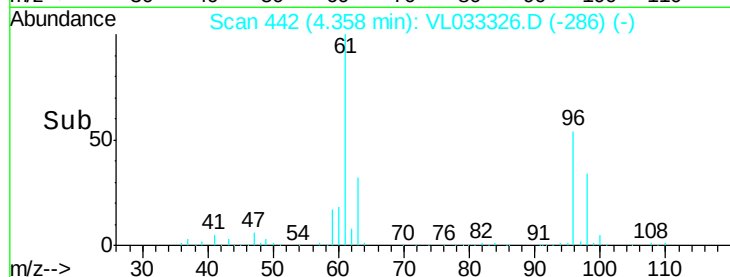
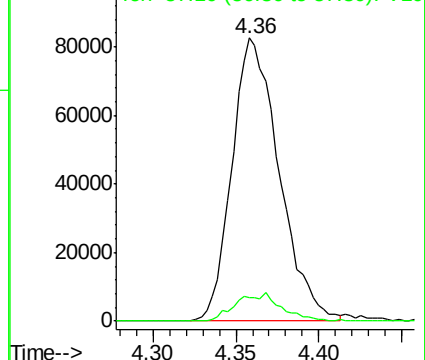
59 100

57 9.6 7.7 11.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.895 ppbv

RT: 4.35 min Scan# 441

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

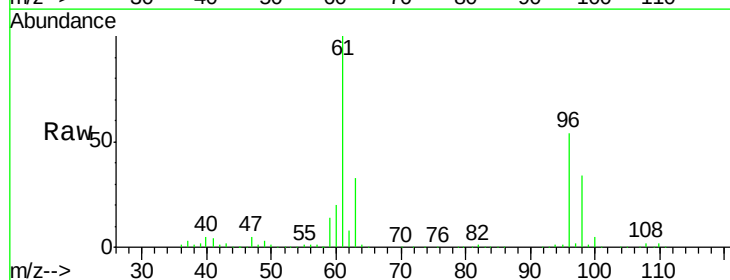
Tgt Ion: 96 Resp: 422610

Ion Ratio Lower Upper

96 100

61 185.7 148.6 222.8

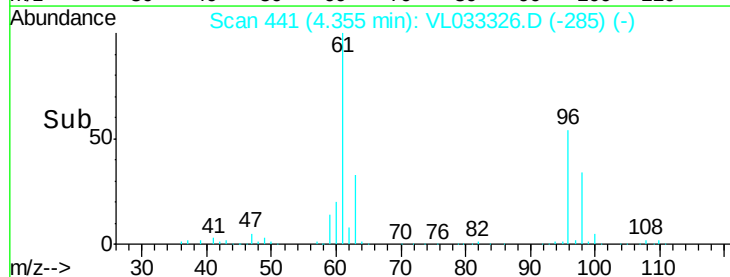
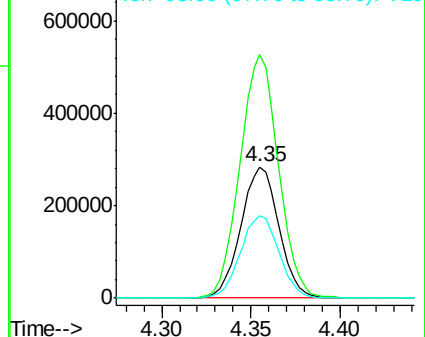
98 62.9 50.3 75.5

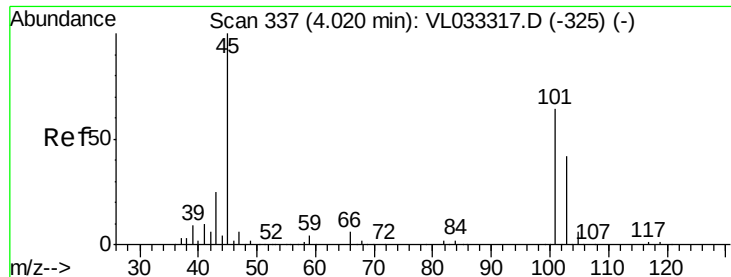


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 8.375 ppbv

RT: 4.02 min Scan# 338

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

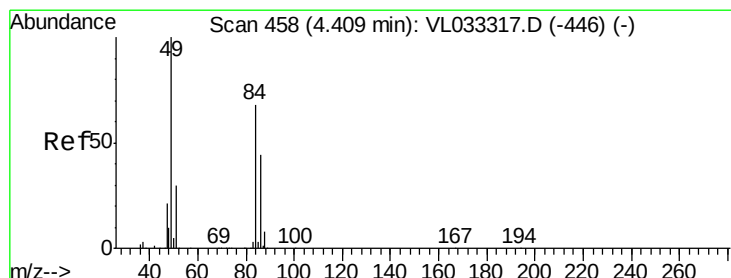
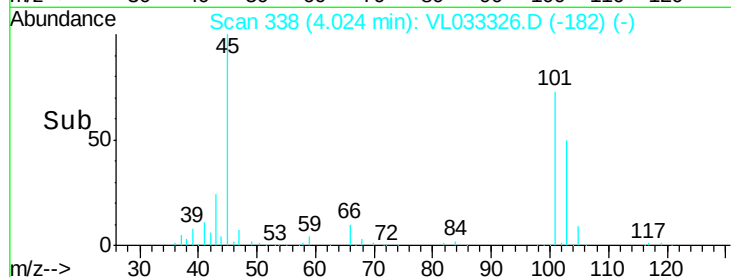
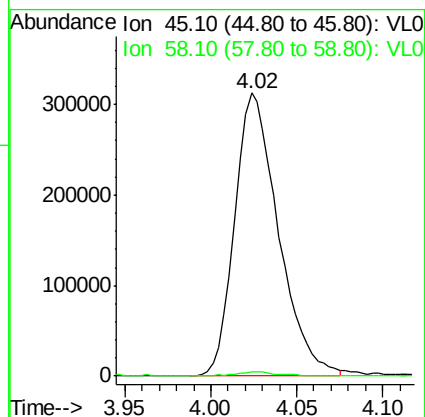
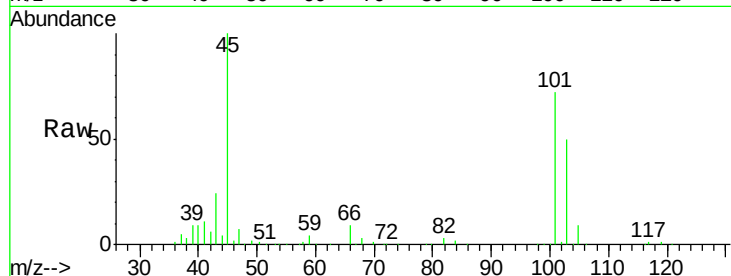
VSTDICCC010

Tgt Ion: 45 Resp: 550835

Ion Ratio Lower Upper

45 100

58 1.9 1.5 2.3



#20

Methylene Chloride

Concen: 8.423 ppbv

RT: 4.41 min Scan# 459

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Tgt Ion: 84 Resp: 353757

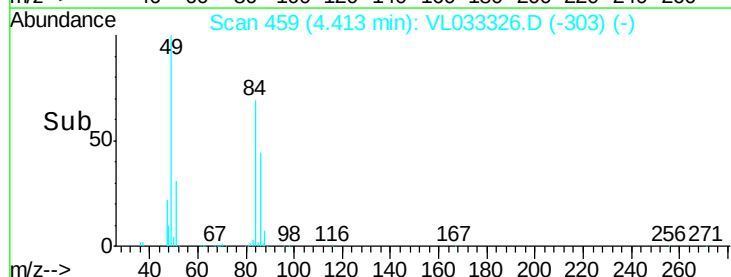
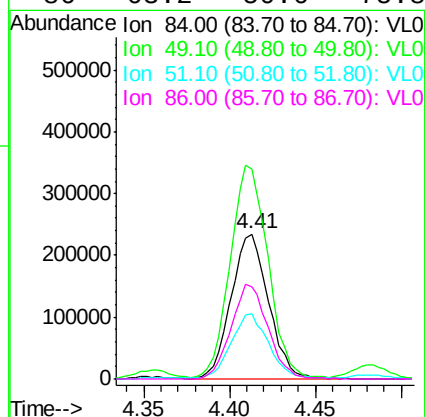
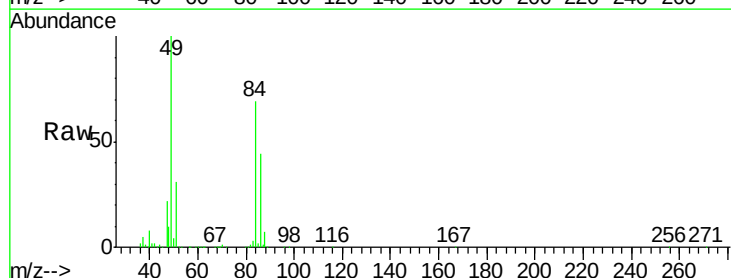
Ion Ratio Lower Upper

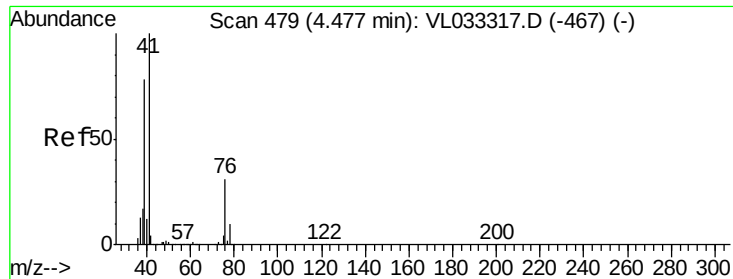
84 100

49 144.2 115.4 173.0

51 44.7 35.8 53.6

86 63.2 50.6 75.8

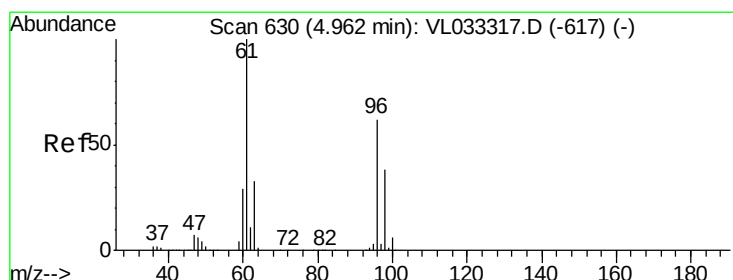
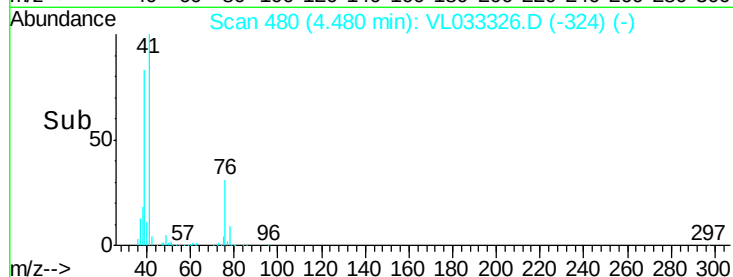
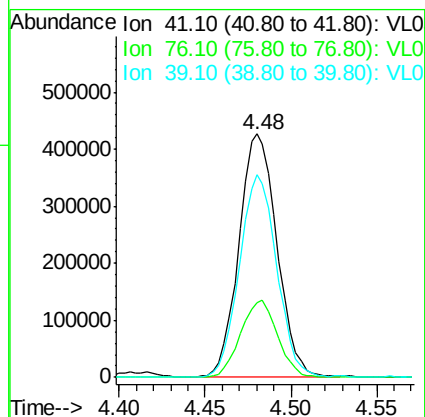
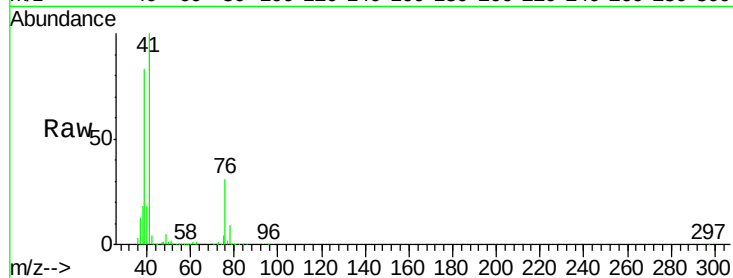




#21
 Allyl Chloride
 Concen: 10.027 ppbv
 RT: 4.48 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

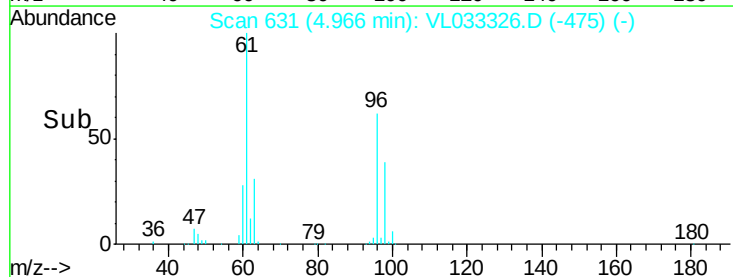
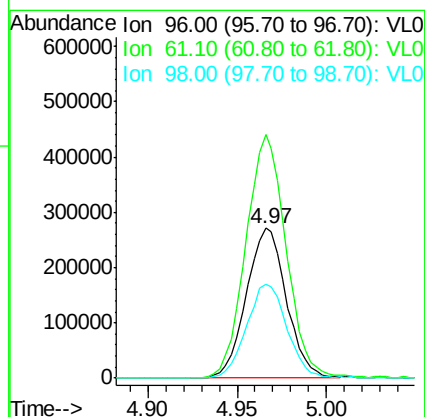
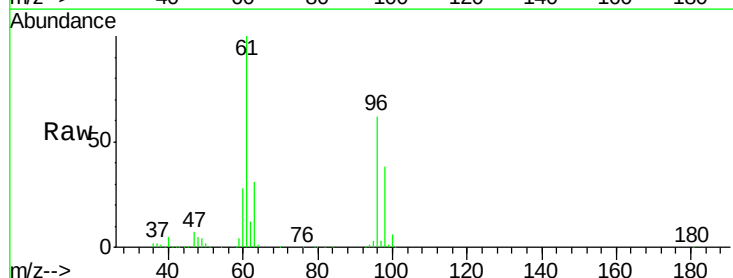
Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

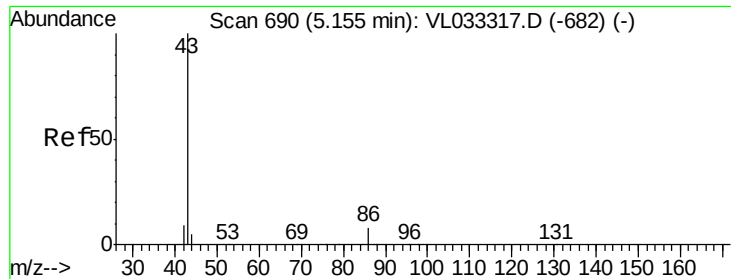
Tgt Ion: 41 Resp: 650331
 Ion Ratio Lower Upper
 41 100
 76 31.2 25.0 37.4
 39 82.6 65.9 98.9



#22
 trans-1,2-Dichloroethene
 Concen: 10.010 ppbv
 RT: 4.97 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Tgt Ion: 96 Resp: 424715
 Ion Ratio Lower Upper
 96 100
 61 162.5 130.0 195.0
 98 62.5 50.0 75.0





#23

Vinyl Acetate

Concen: 9.825 ppbv

RT: 5.16 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1504143

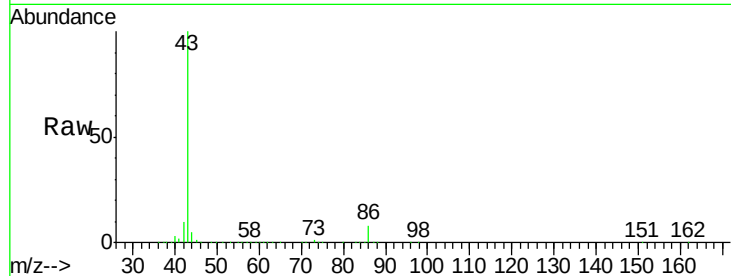
Ion Ratio Lower Upper

43 100

86 7.7 6.2 9.2

42 10.1 8.1 12.1

44 5.1 4.1 6.1

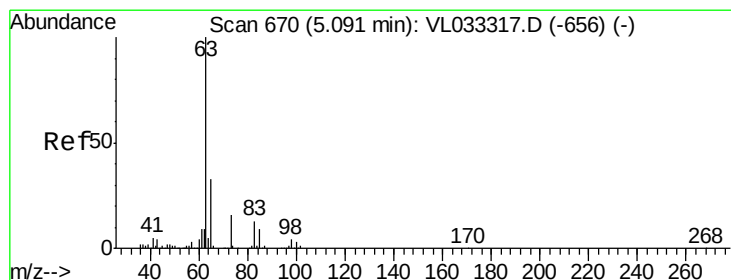
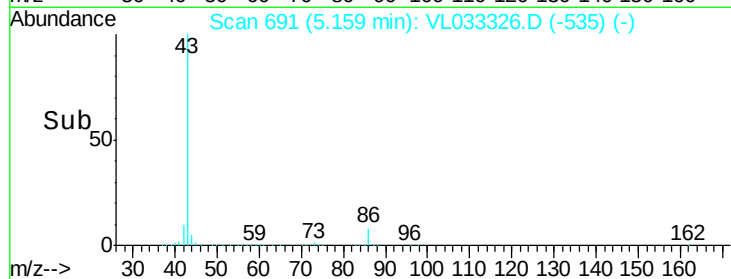
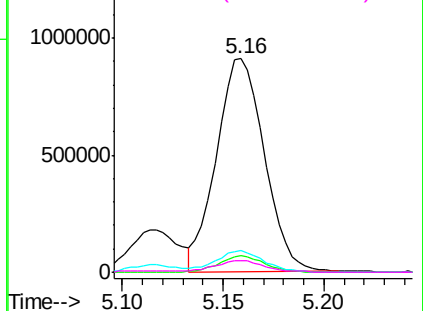


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.624 ppbv

RT: 5.09 min Scan# 671

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

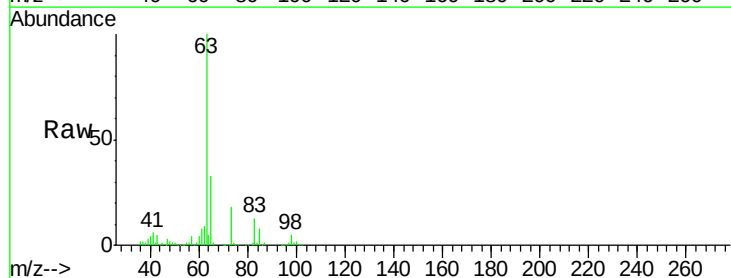
Tgt Ion: 63 Resp: 1050011

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.1

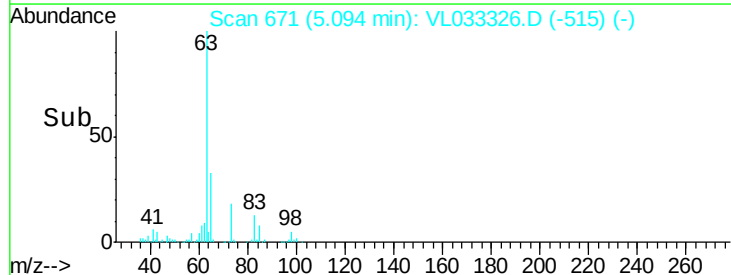
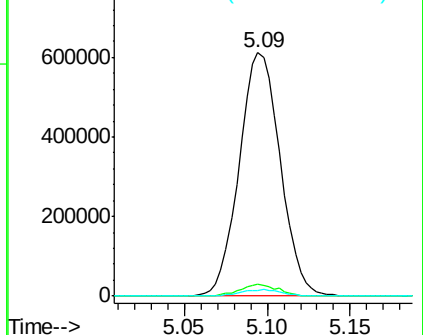
100 2.5 1.3 3.8

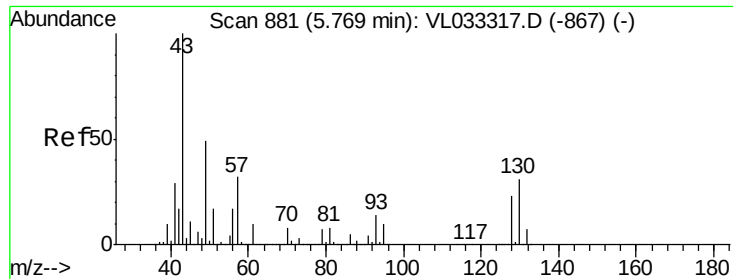


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



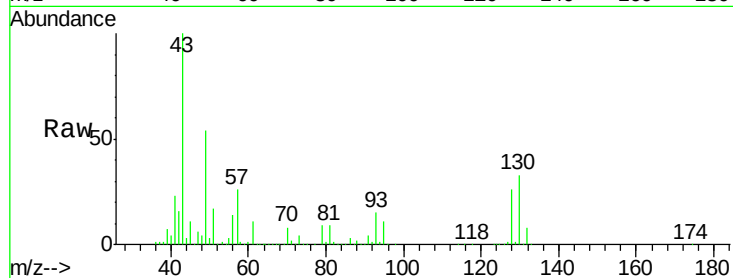


#25
Ethyl Acetate
Concen: 9.526 ppbv
RT: 5.77 min Scan# 881
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

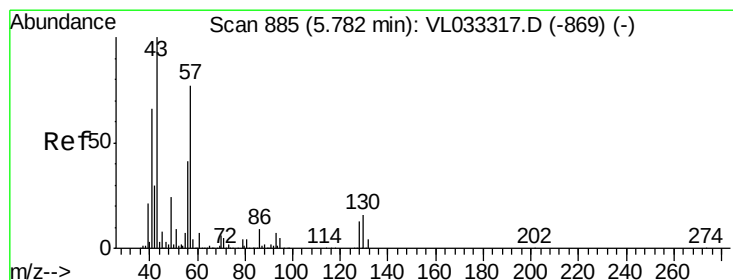
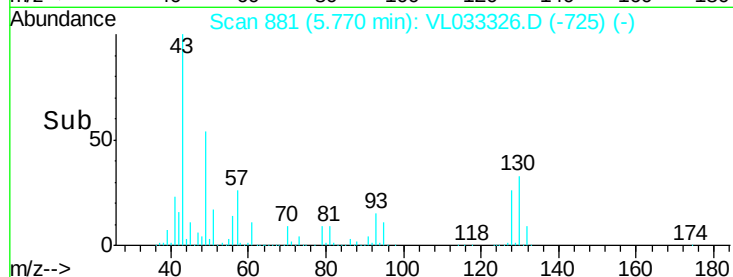
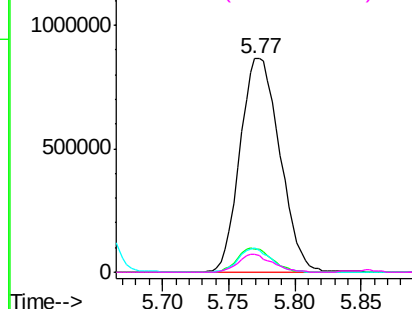
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1807302

Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.3	7.4	11.2
70	7.1	5.7	8.5



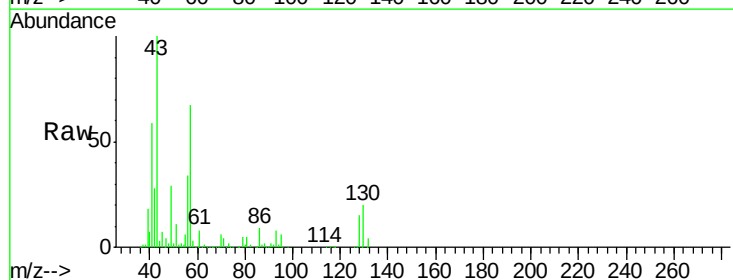
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



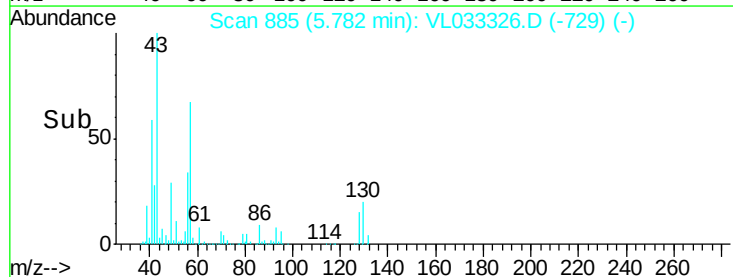
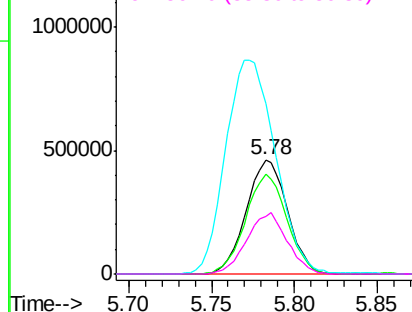
#26
Hexane
Concen: 9.197 ppbv
RT: 5.78 min Scan# 885
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

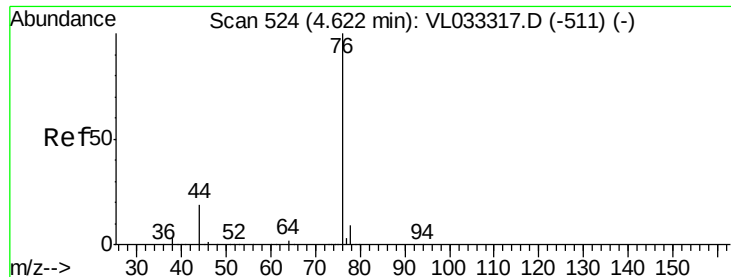
Tgt Ion: 57 Resp: 798421

Ion	Ratio	Lower	Upper
57	100		
41	88.1	70.5	105.7
43	227.3	181.8	272.8
56	52.7	42.2	63.2



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: 10.650 ppbv

RT: 4.62 min Scan# 524

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

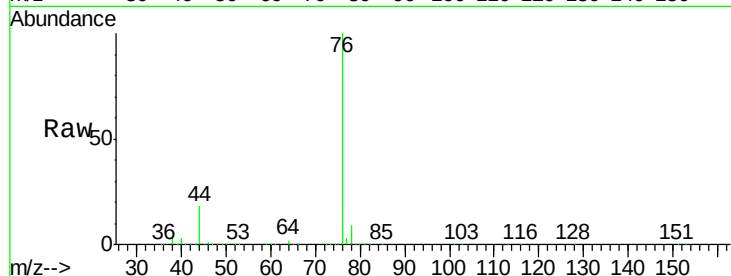
Tgt Ion: 76 Resp: 1043072

Ion Ratio Lower Upper

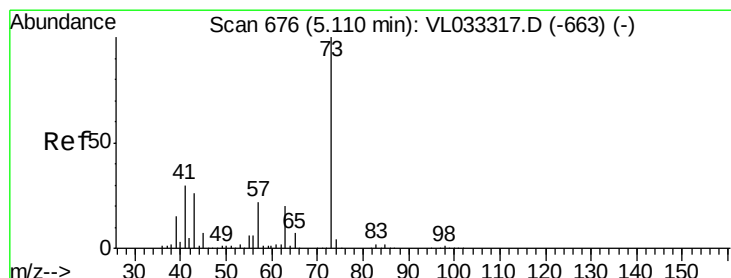
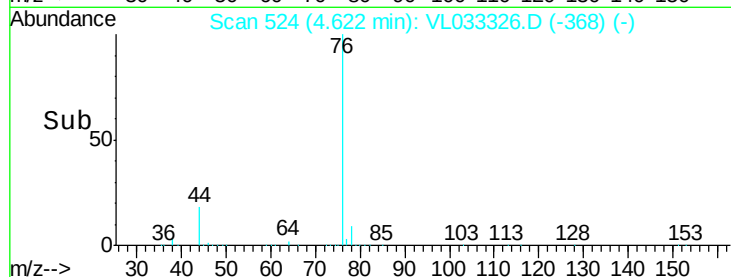
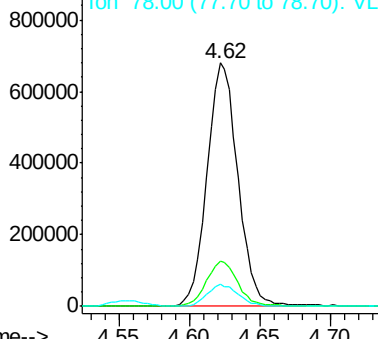
76 100

44 19.0 15.2 22.8

78 9.0 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: 10.069 ppbv

RT: 5.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: VL033326.D

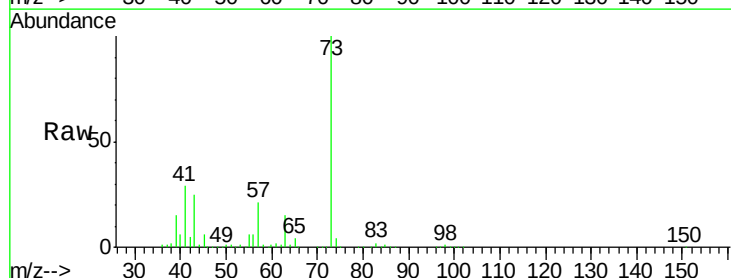
Acq: 15 Mar 2019 10:25

Tgt Ion: 73 Resp: 1258899

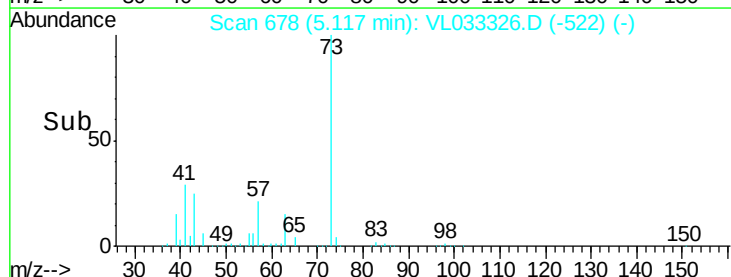
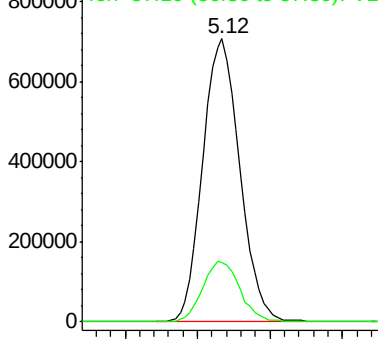
Ion Ratio Lower Upper

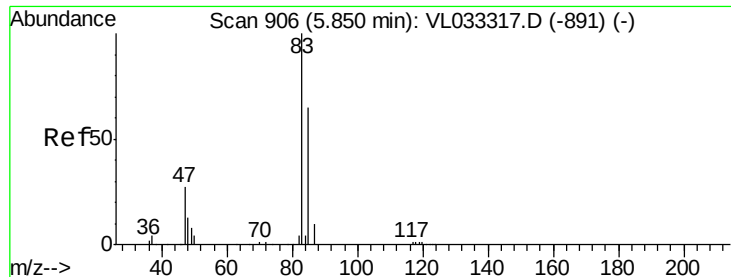
73 100

57 21.7 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

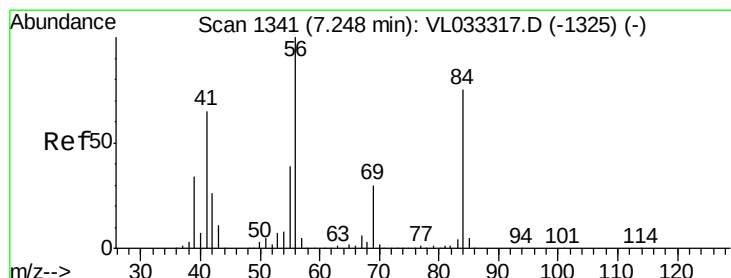
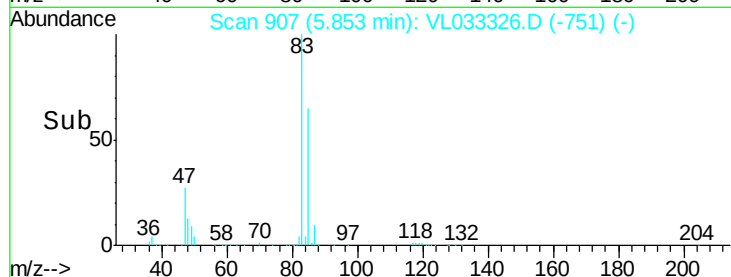
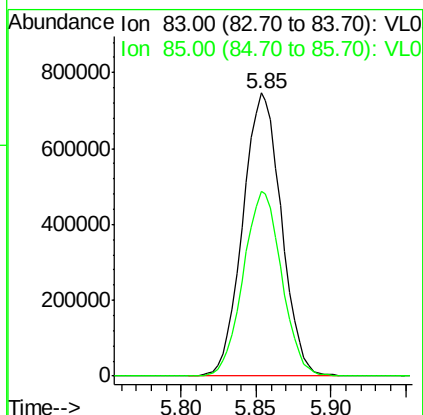
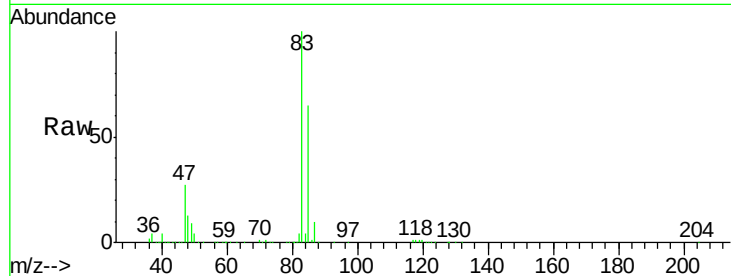




#29
Chloroform
Concen: 9.463 ppbv
RT: 5.85 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

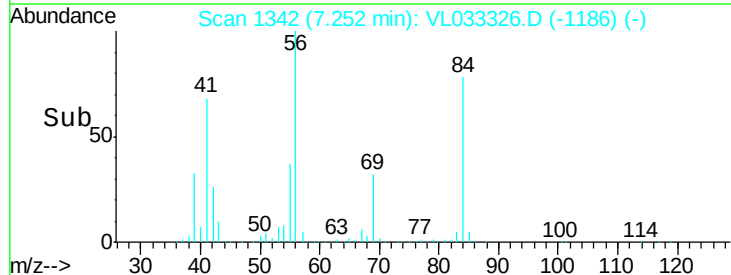
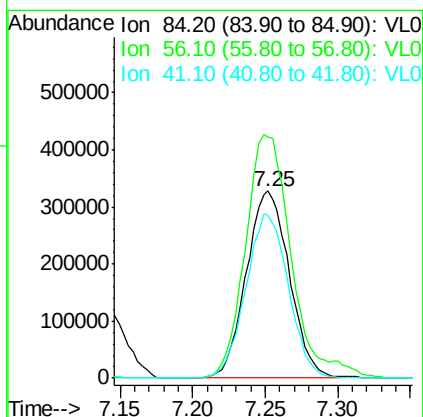
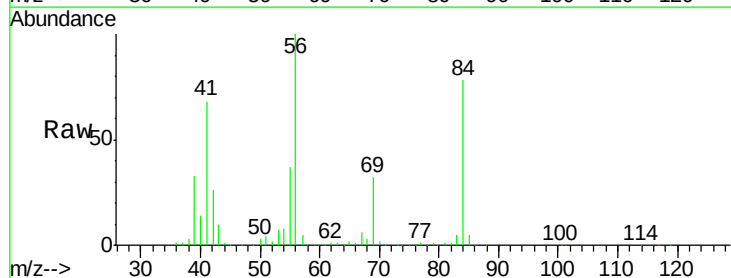
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

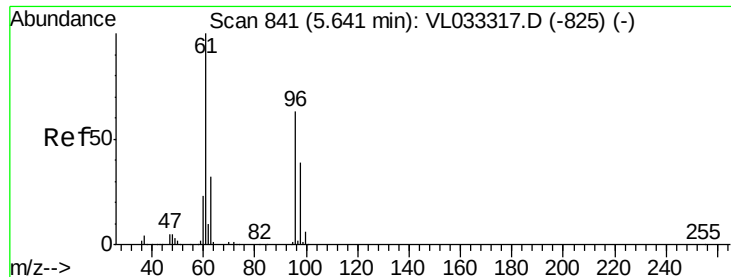
Tgt Ion: 83 Resp: 1338995
Ion Ratio Lower Upper
83 100
85 65.0 52.0 78.0



#30
Cyclohexane
Concen: 9.870 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

Tgt Ion: 84 Resp: 678472
Ion Ratio Lower Upper
84 100
56 139.1 111.3 166.9
41 87.0 69.6 104.4



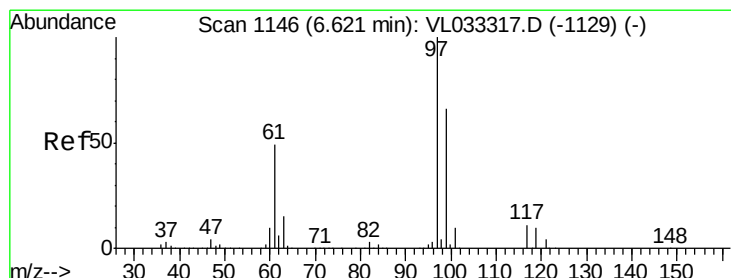
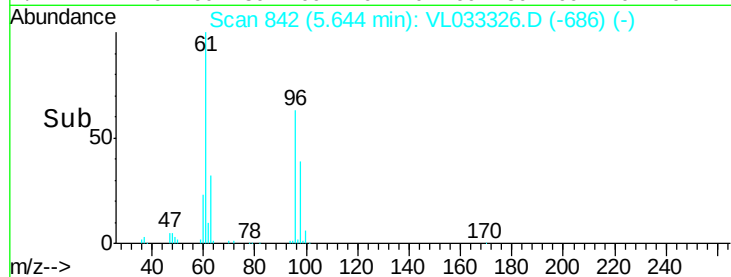
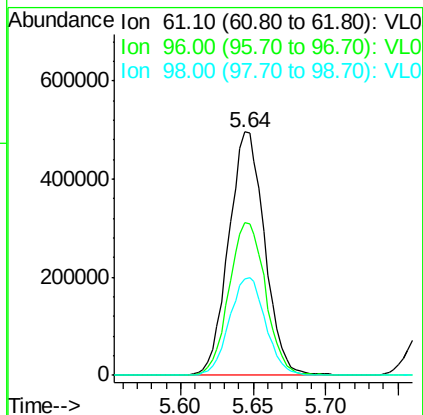
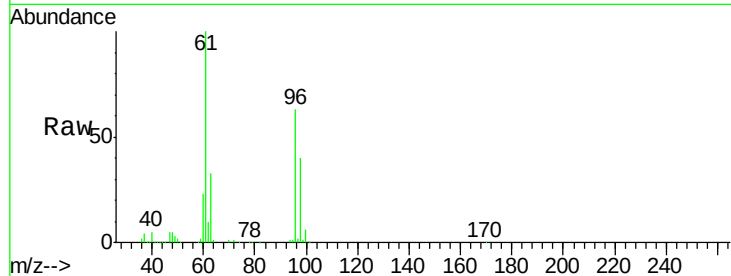


#31

cis-1,2-Dichloroethene
 Concen: 9.915 ppbv
 RT: 5.64 min Scan# 842
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

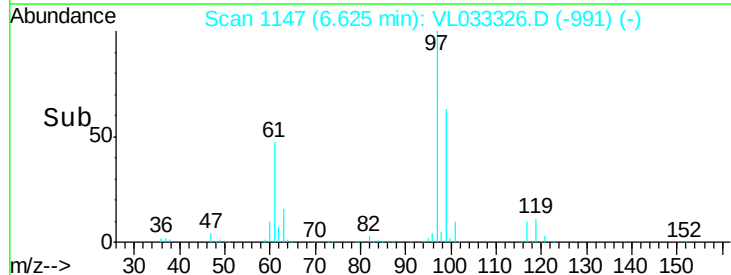
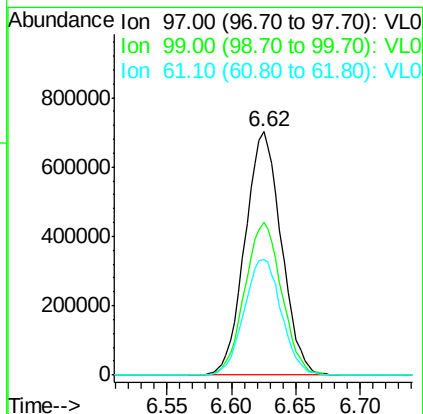
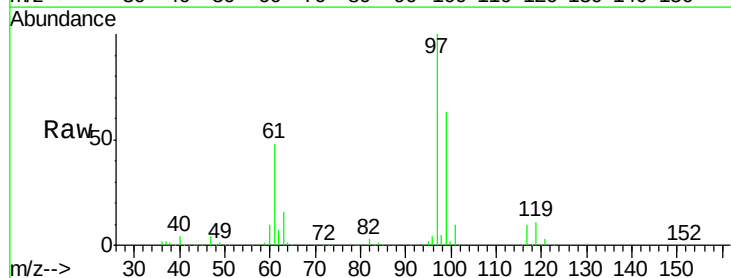
Tgt Ion: 61 Resp: 853011
 Ion Ratio Lower Upper
 61 100
 96 62.9 50.3 75.5
 98 39.4 31.5 47.3

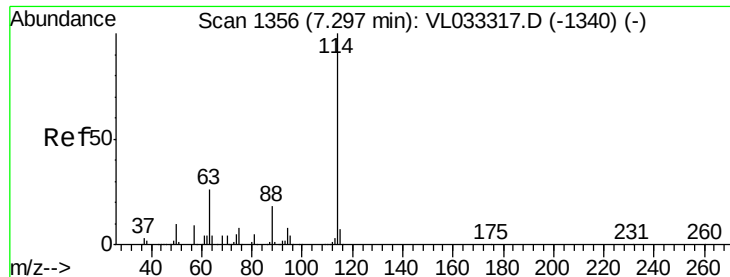


#32

1,1,1-Trichloroethane
 Concen: 9.795 ppbv
 RT: 6.62 min Scan# 1147
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Tgt Ion: 97 Resp: 1375723
 Ion Ratio Lower Upper
 97 100
 99 63.8 51.0 76.6
 61 49.0 39.3 58.9

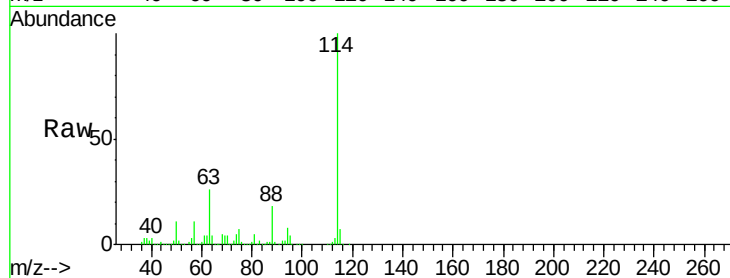




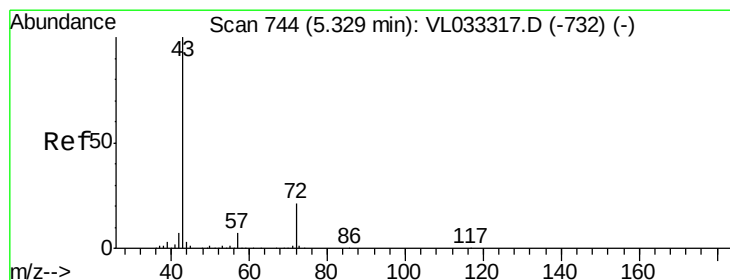
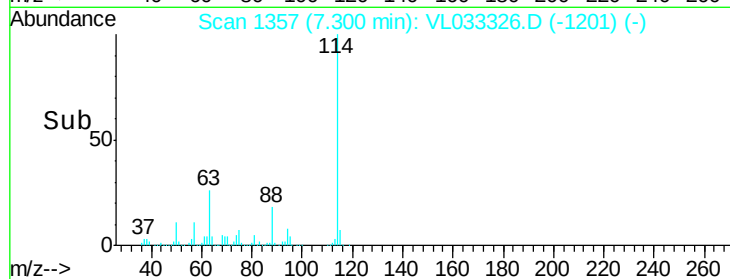
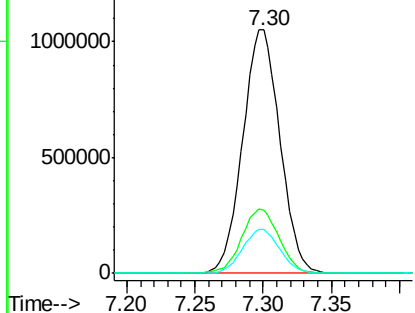
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 114 Resp: 1991733
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.4 32.2
 88 18.1 14.5 21.7

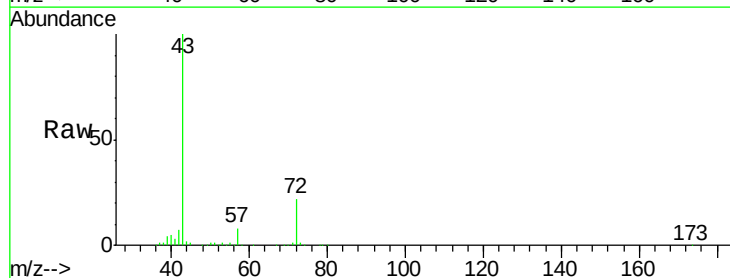


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

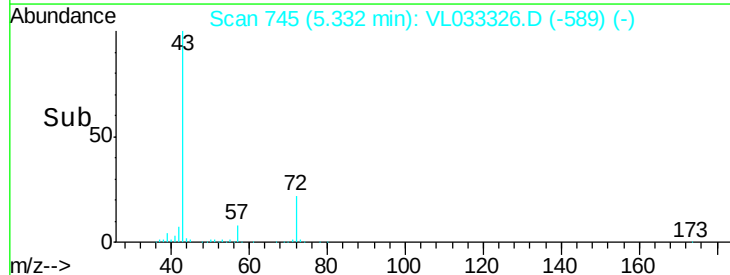
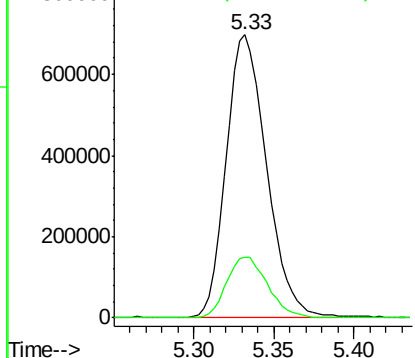


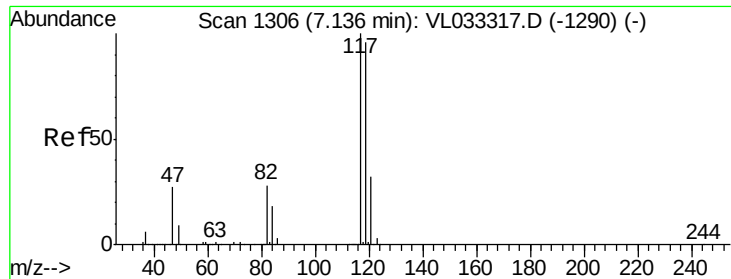
#34
 2-Butanone
 Concen: 9.434 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Tgt Ion: 43 Resp: 1191766
 Ion Ratio Lower Upper
 43 100
 72 22.1 17.7 26.5



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

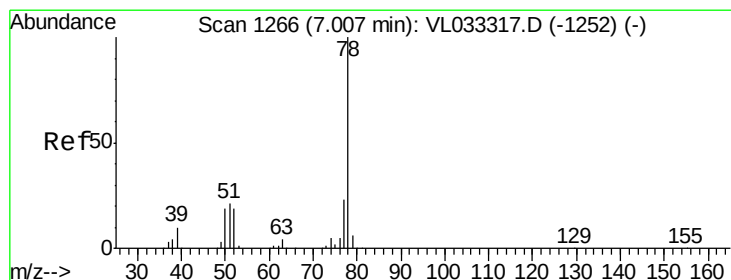
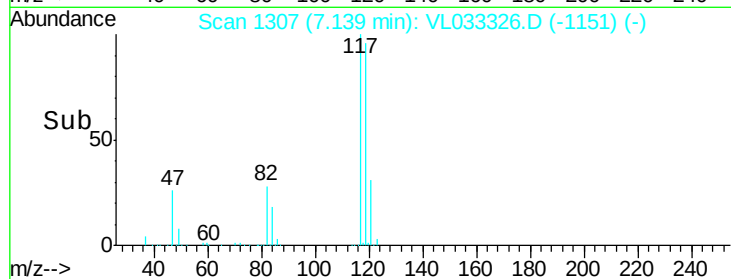
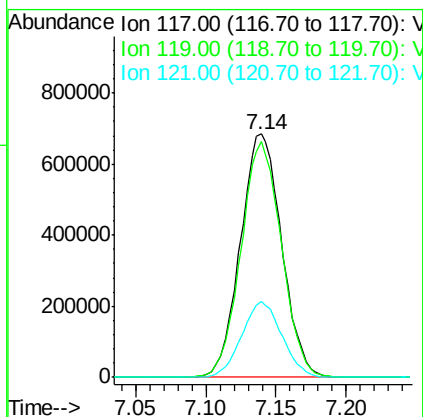
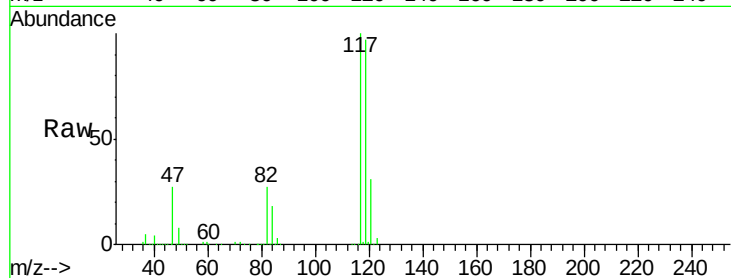




#35
Carbon Tetrachloride
Concen: 9.714 ppbv
RT: 7.14 min Scan# 1307
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

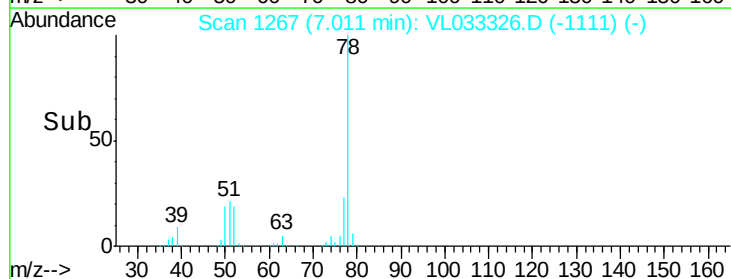
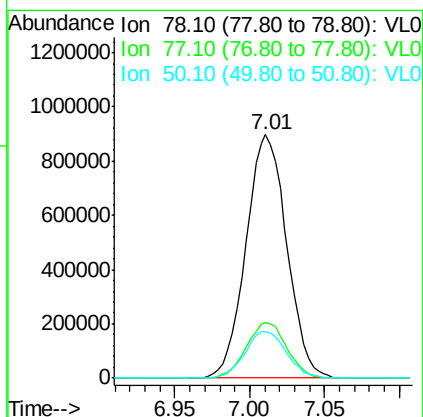
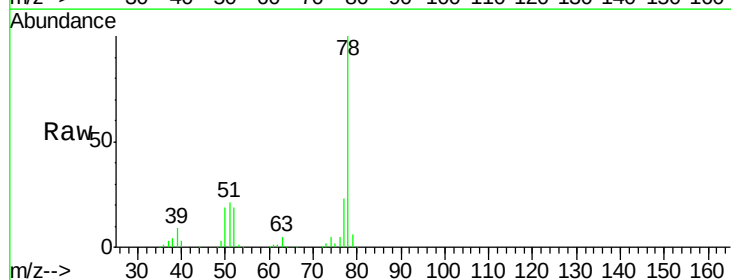
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

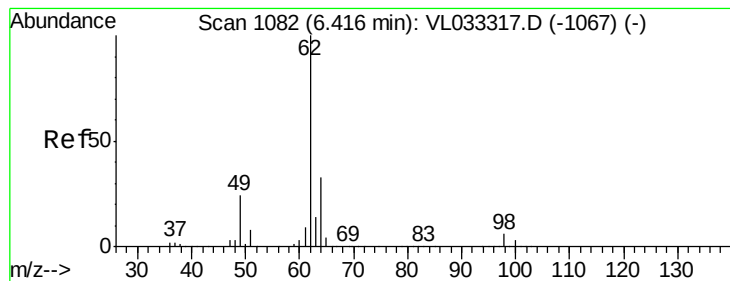
Tgt Ion: 117 Resp: 1396355
Ion Ratio Lower Upper
117 100
119 96.7 77.4 116.0
121 31.1 24.9 37.3



#36
Benzene
Concen: 9.546 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

Tgt Ion: 78 Resp: 1699383
Ion Ratio Lower Upper
78 100
77 22.6 18.1 27.1
50 19.0 15.2 22.8





#37

1,2-Dichloroethane

Concen: 9.494 ppbv

RT: 6.42 min Scan# 1083

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

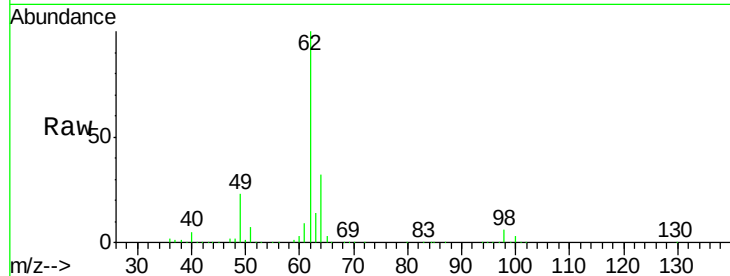
VSTDICCC010

Tgt Ion: 62 Resp: 1053756

Ion Ratio Lower Upper

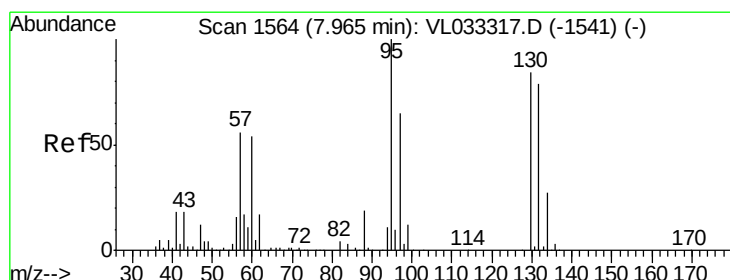
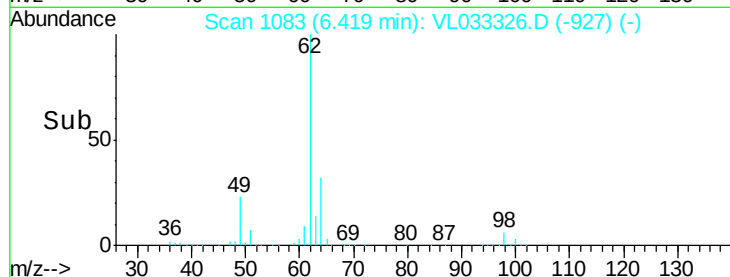
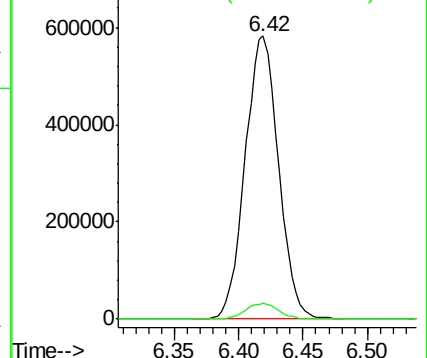
62 100

98 5.6 4.5 6.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.138 ppbv

RT: 7.97 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Tgt Ion: 130 Resp: 640296

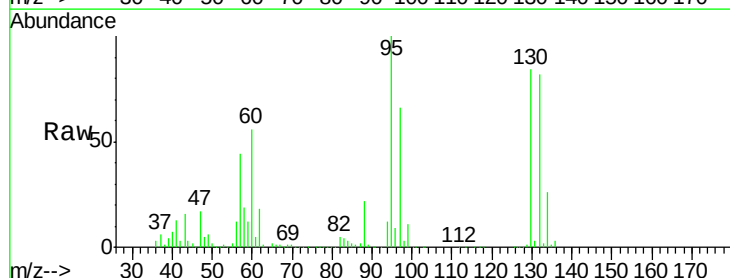
Ion Ratio Lower Upper

130 100

95 119.0 95.2 142.8

132 97.1 77.7 116.5

97 78.5 62.8 94.2

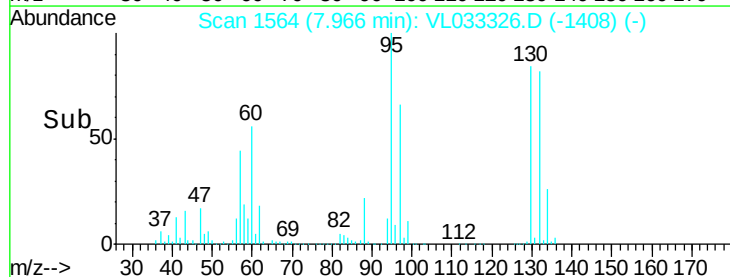
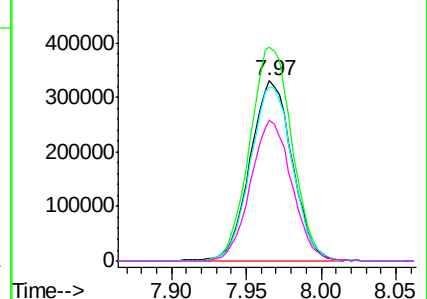


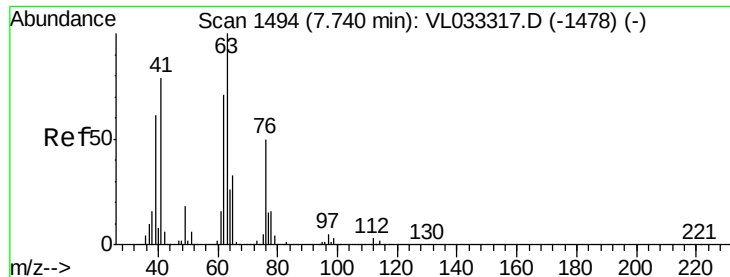
Abundance Ion 130.00 (129.70 to 130.70): V

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





#39

1,2-Dichloropropane

Concen: 9.503 ppbv

RT: 7.74 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

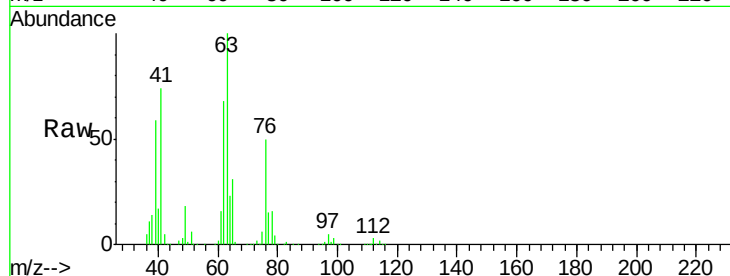
Tgt Ion: 63 Resp: 643787

Ion Ratio Lower Upper

63 100

41 74.4 59.5 89.3

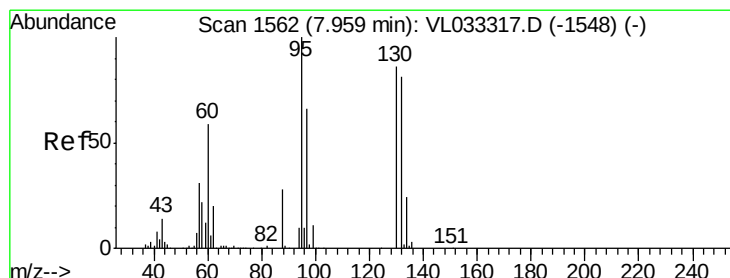
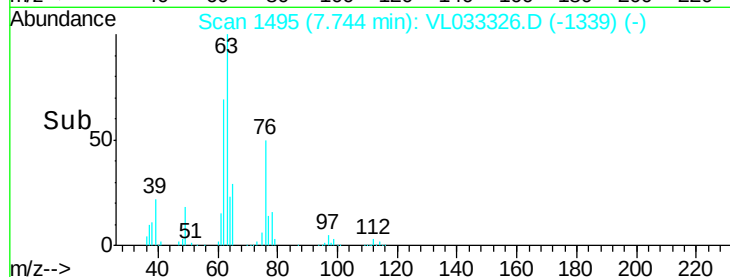
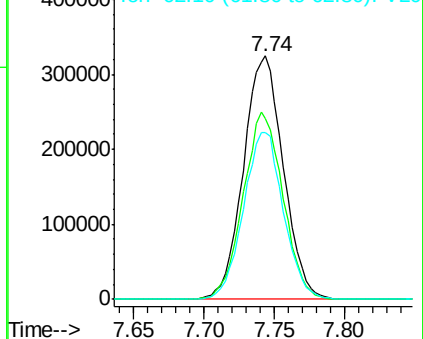
62 68.4 54.7 82.1



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: 8.827 ppbv

RT: 7.96 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Tgt Ion: 88 Resp: 219037

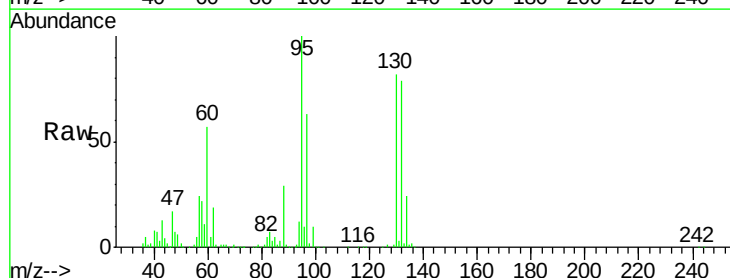
Ion Ratio Lower Upper

88 100

58 134.8 107.9 161.9

43 288.6 230.8 346.2

57 1294.0 1035.3 1552.9

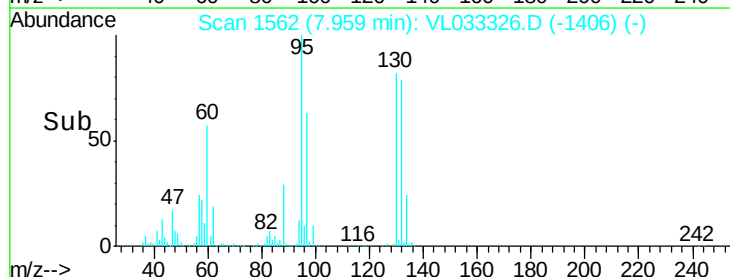
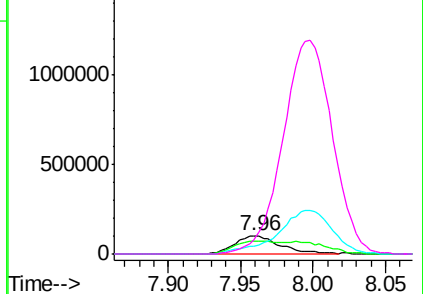


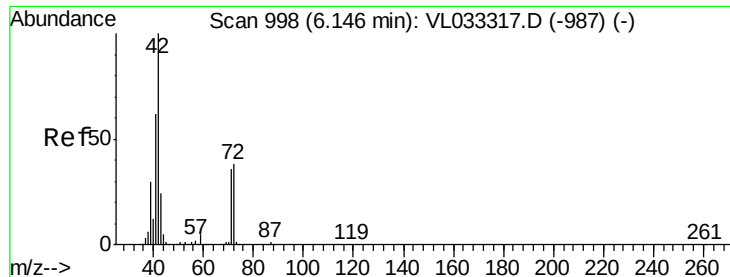
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.948 ppbv

RT: 6.15 min Scan# 999

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

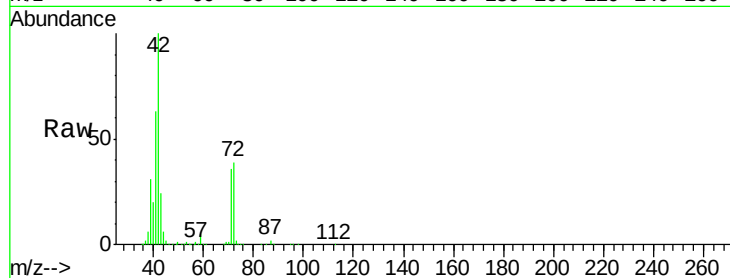
Tgt Ion: 42 Resp: 696935

Ion Ratio Lower Upper

42 100

72 39.5 31.6 47.4

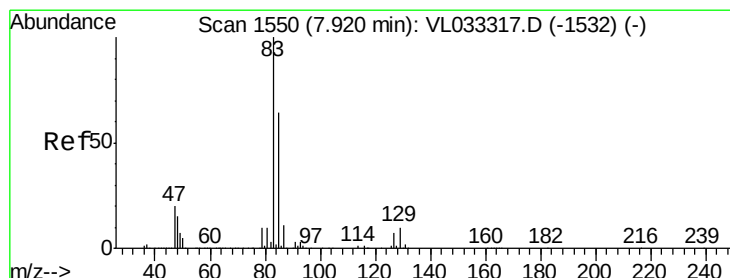
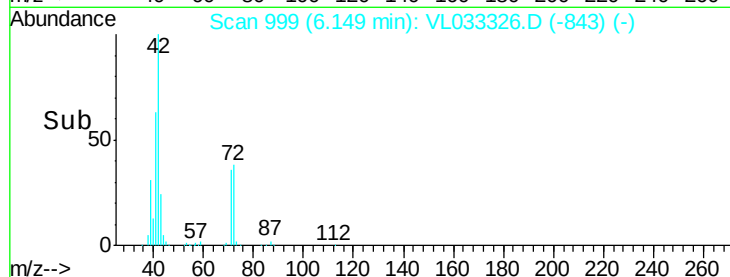
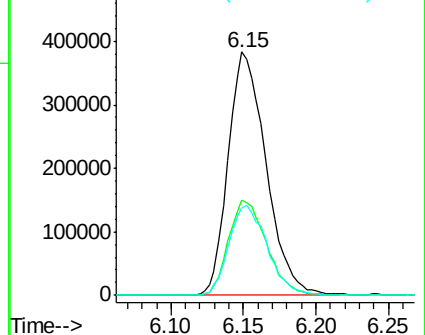
71 37.4 29.9 44.9



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: 9.961 ppbv

RT: 7.92 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

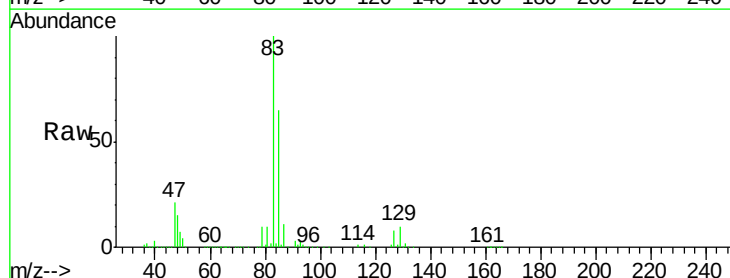
Tgt Ion: 83 Resp: 1506935

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6

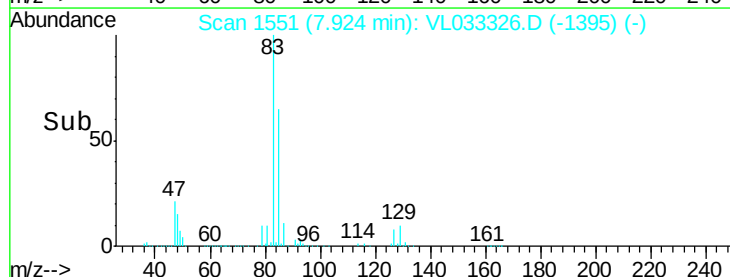
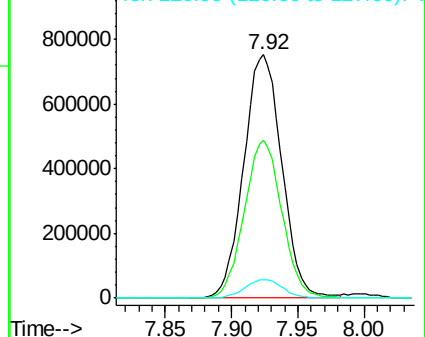
127 7.7 6.2 9.2

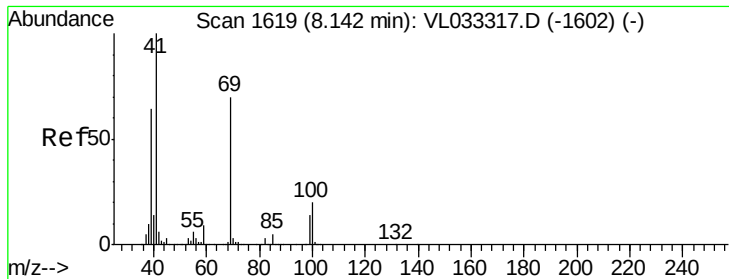


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

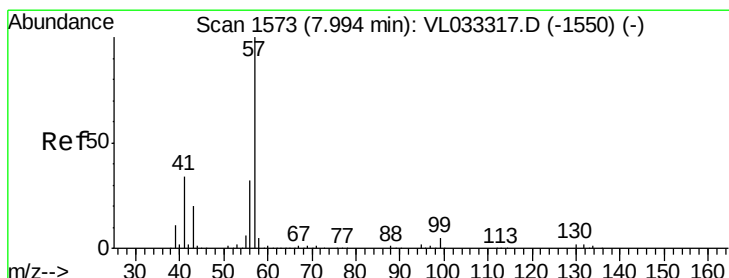
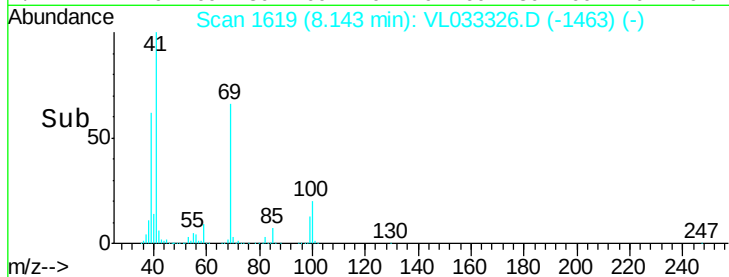
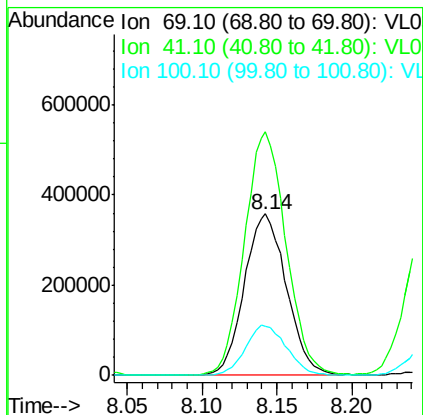
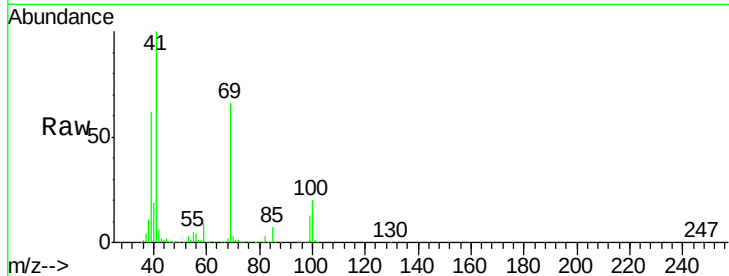




#43
Methyl Methacrylate
Concen: 10.078 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

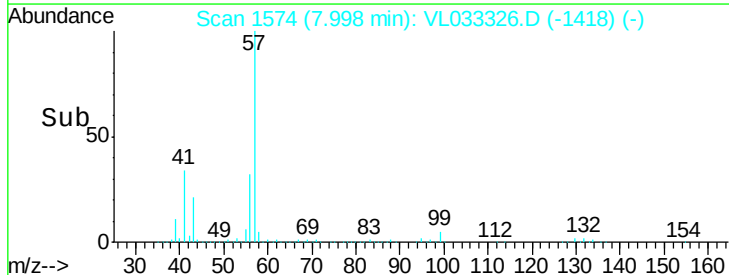
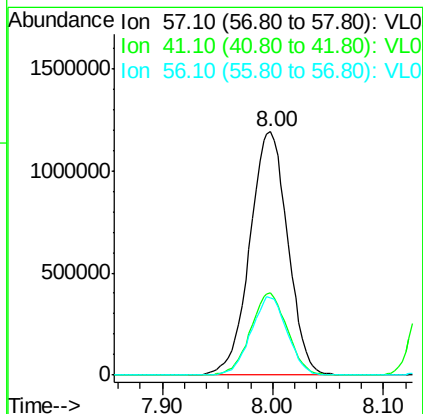
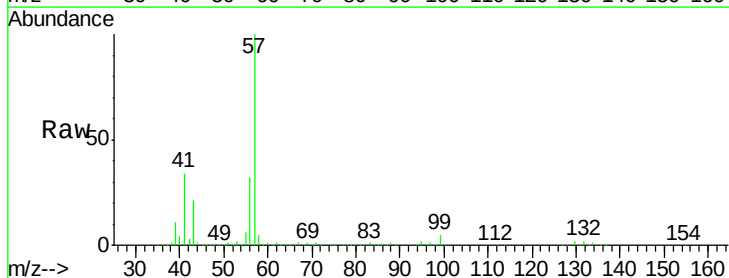
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

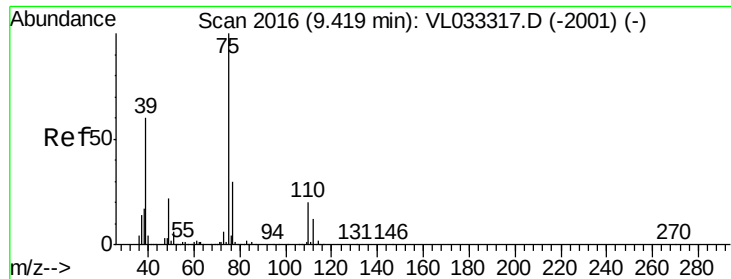
Tgt Ion: 69 Resp: 699512
Ion Ratio Lower Upper
69 100
41 149.0 119.5 179.3
100 30.6 24.4 36.6



#44
2,2,4-Trimethylpentane
Concen: 9.480 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

Tgt Ion: 57 Resp: 2830506
Ion Ratio Lower Upper
57 100
41 32.6 26.0 39.0
56 30.7 24.6 36.8

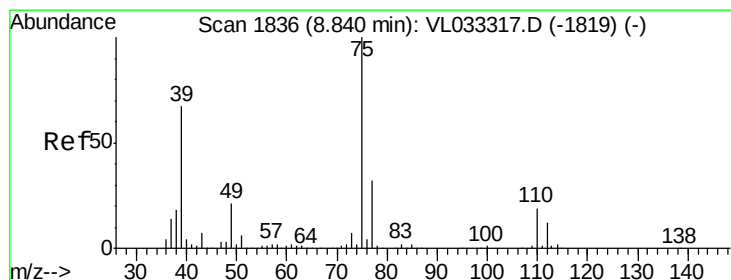
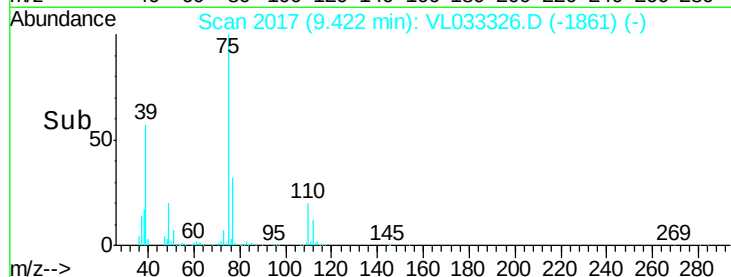
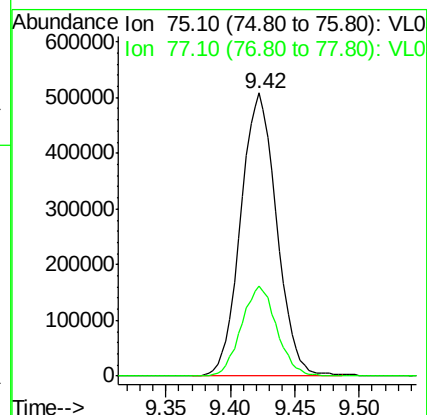
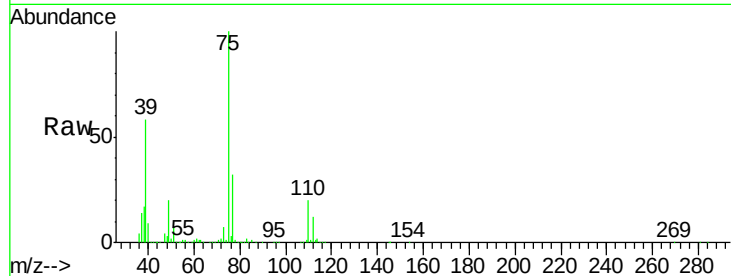




#45
t-1,3-Dichloropropene
Concen: 11.582 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

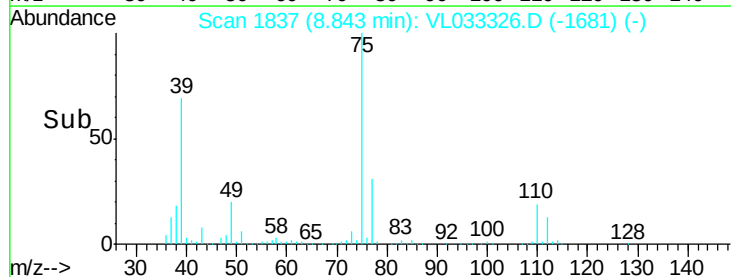
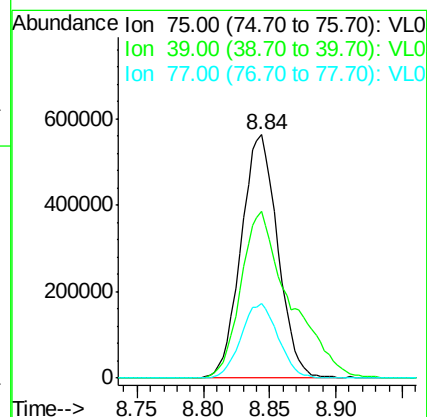
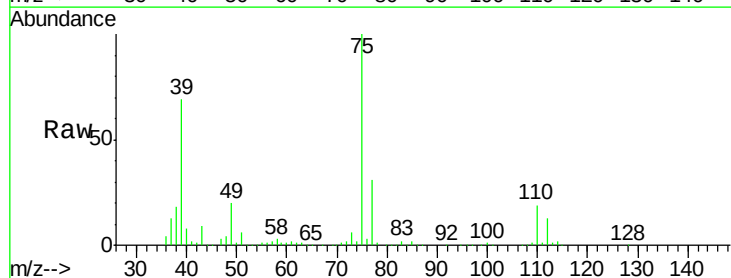
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

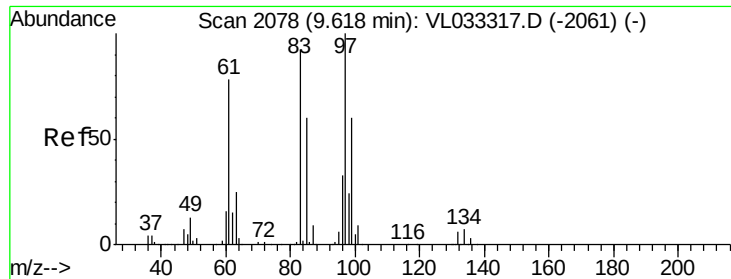
Tgt Ion: 75 Resp: 984897
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3



#46
cis-1,3-Dichloropropene
Concen: 10.819 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

Tgt Ion: 75 Resp: 1080794
Ion Ratio Lower Upper
75 100
39 68.8 55.0 82.6
77 30.6 24.5 36.7

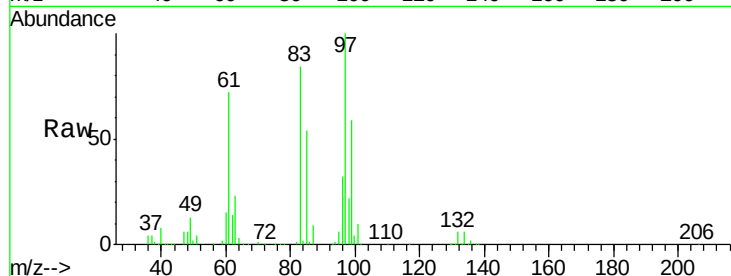




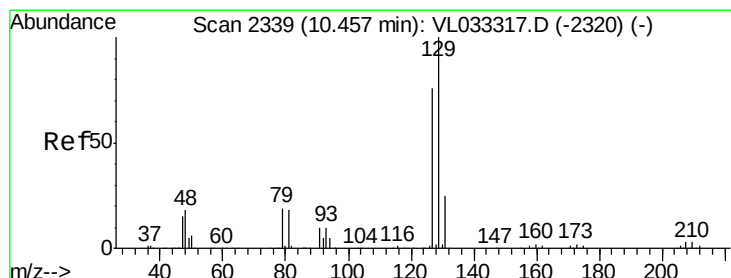
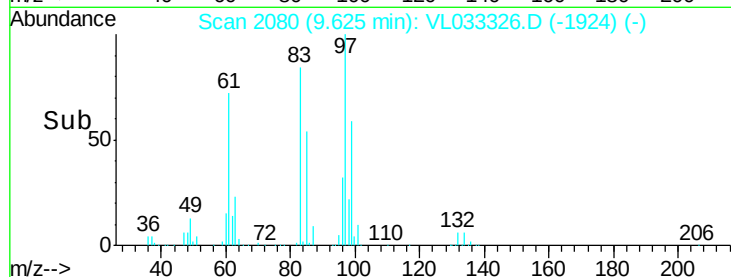
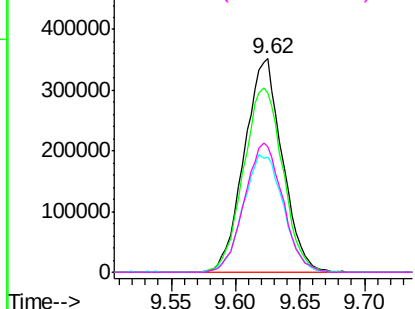
#47
 1,1,2-Trichloroethane
 Concen: 9.932 ppbv
 RT: 9.62 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 97 Resp: 723759
 Ion Ratio Lower Upper
 97 100
 83 84.2 67.4 101.0
 85 53.7 43.0 64.4
 99 58.8 47.0 70.6

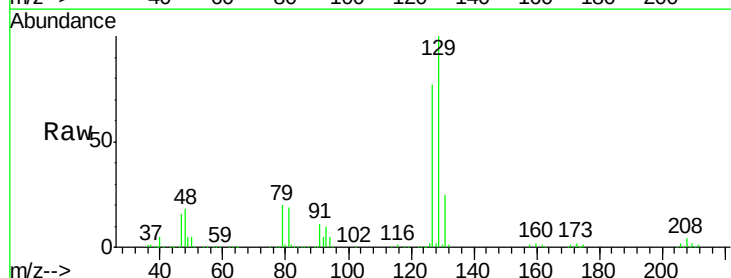


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

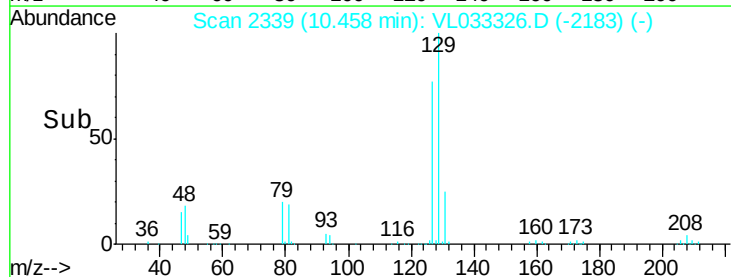
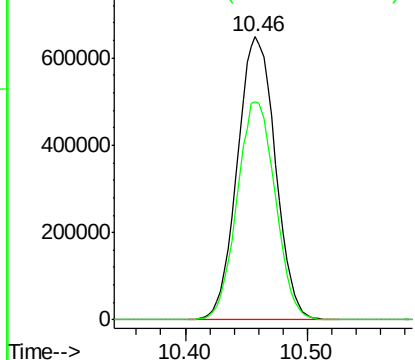


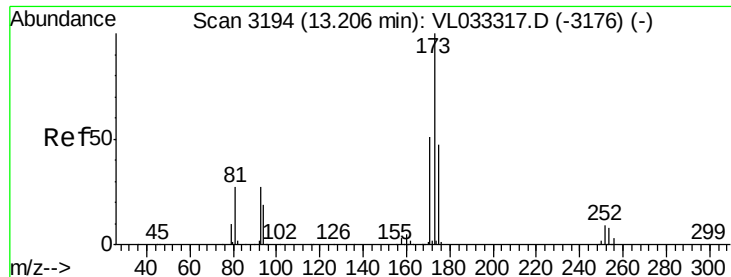
#48
 Dibromochloromethane
 Concen: 11.184 ppbv
 RT: 10.46 min Scan# 2339
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Tgt Ion: 129 Resp: 1392747
 Ion Ratio Lower Upper
 129 100
 127 77.7 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: 11.099 ppbv

RT: 13.21 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

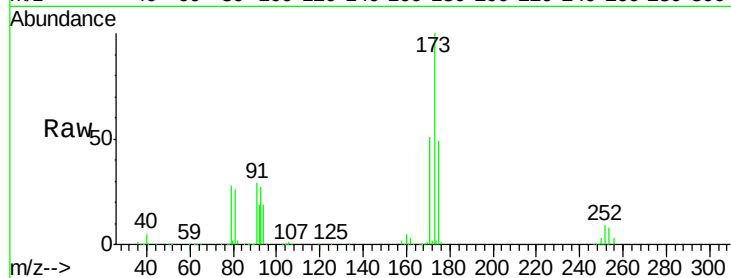
Tgt Ion:173 Resp: 1251040

Ion Ratio Lower Upper

173 100

175 48.7 39.0 58.6

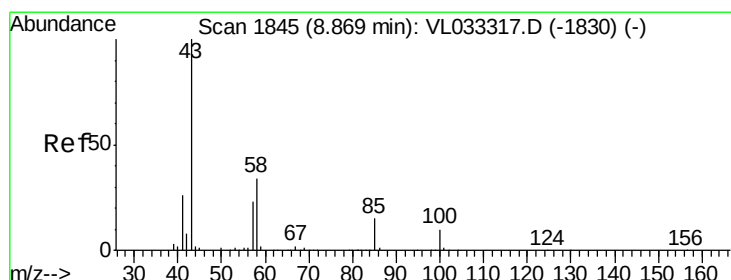
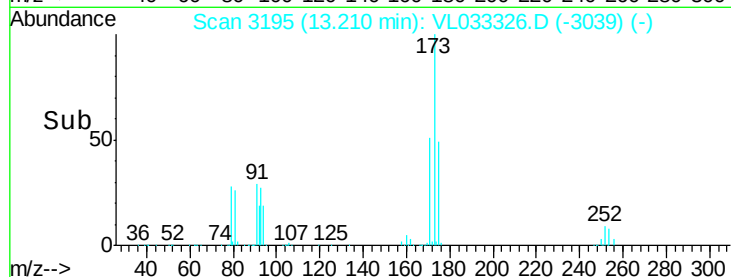
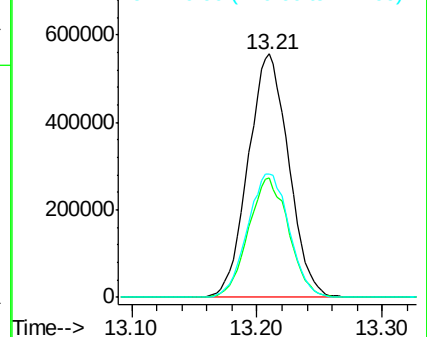
171 52.1 41.7 62.5



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: 9.628 ppbv

RT: 8.87 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VL033326.D

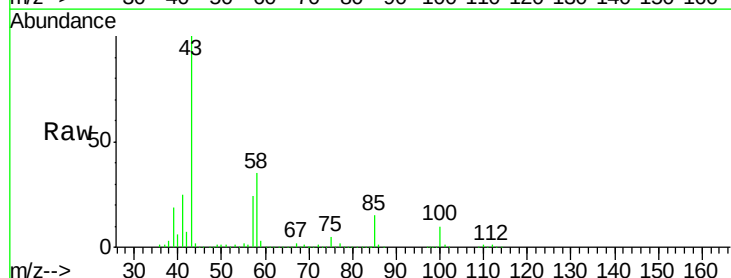
Acq: 15 Mar 2019 10:25

Tgt Ion: 43 Resp: 1778884

Ion Ratio Lower Upper

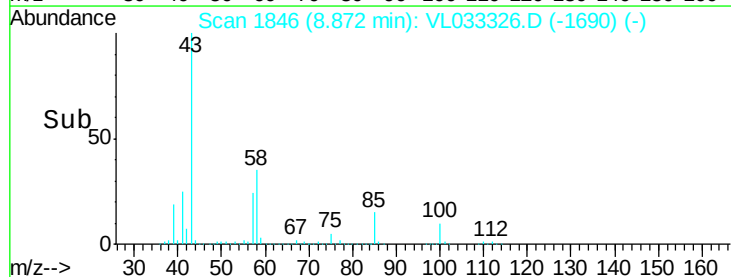
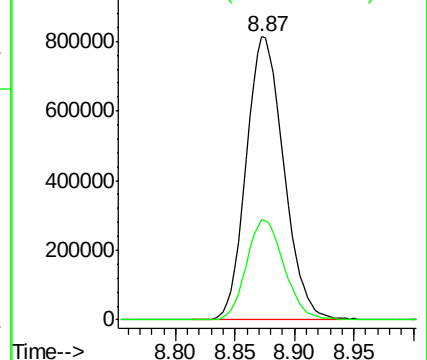
43 100

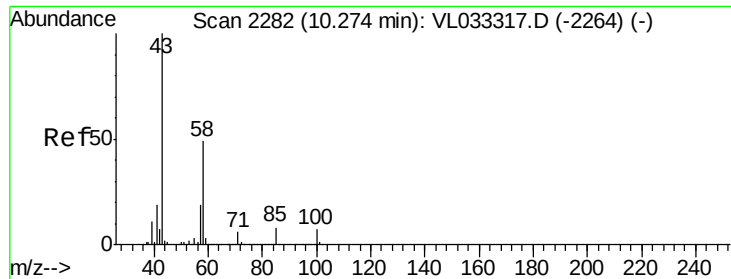
58 35.5 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

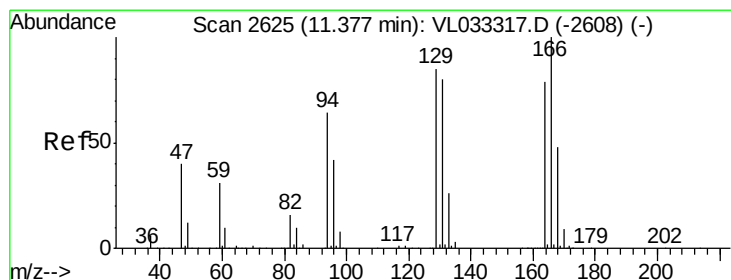
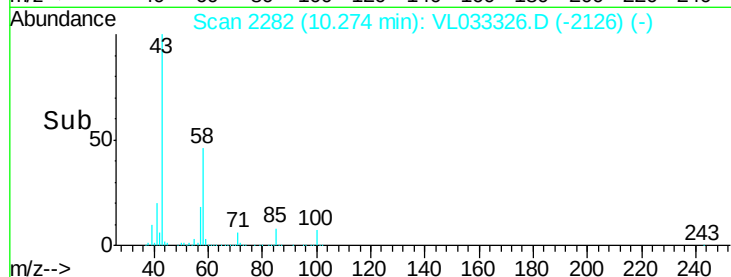
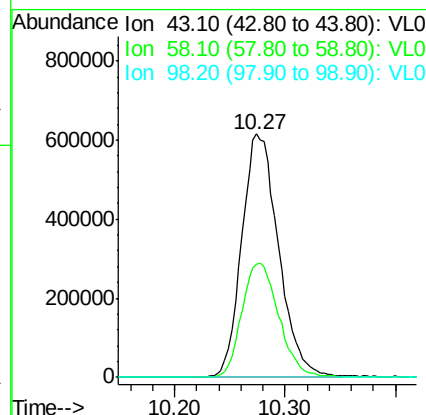
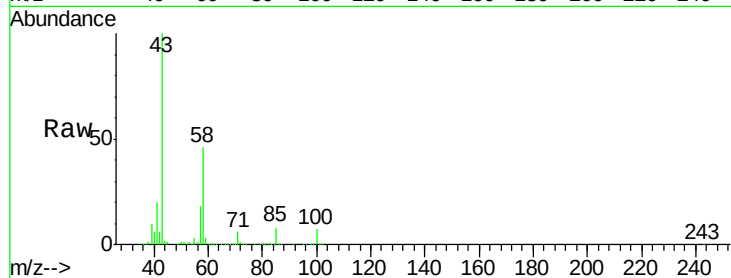




#51
 2-Hexanone
 Concen: 9.671 ppbv
 RT: 10.27 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

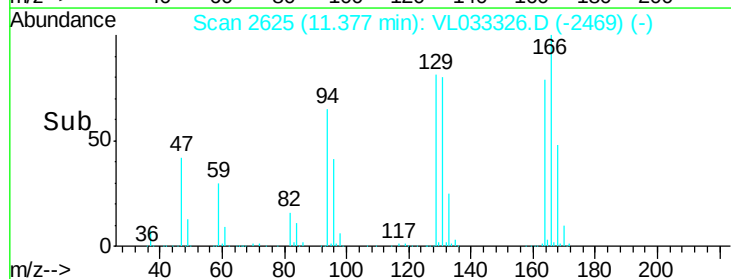
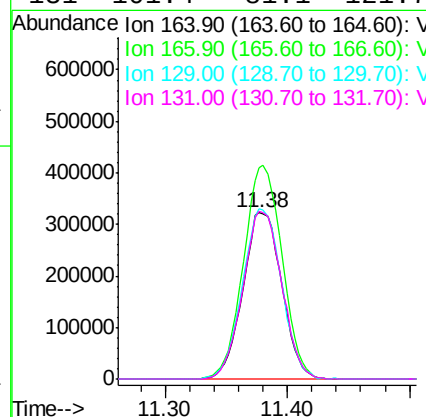
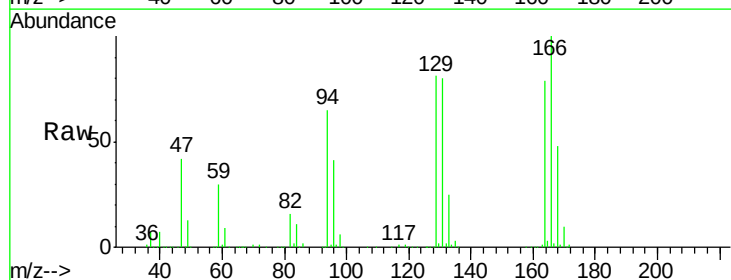
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

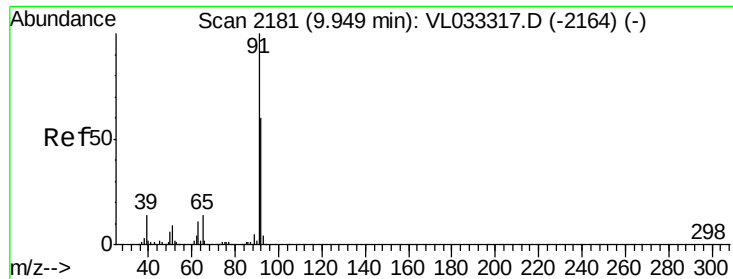
Tgt Ion: 43 Resp: 1423259
 Ion Ratio Lower Upper
 43 100
 58 47.5 38.0 57.0
 98 0.2 0.1 0.1#



#52
 Tetrachloroethene
 Concen: 9.852 ppbv
 RT: 11.38 min Scan# 2625
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Tgt Ion: 164 Resp: 708513
 Ion Ratio Lower Upper
 164 100
 166 126.9 101.5 152.3
 129 102.7 82.2 123.2
 131 101.4 81.1 121.7





#53

Toluene

Concen: 10.011 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

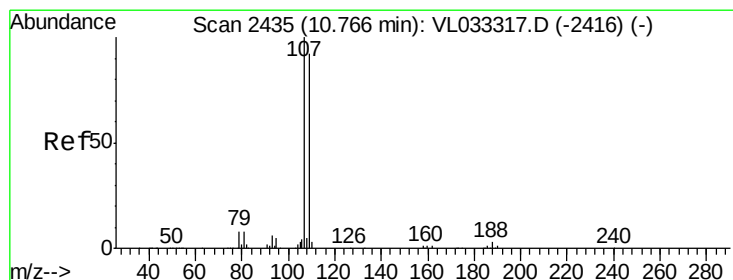
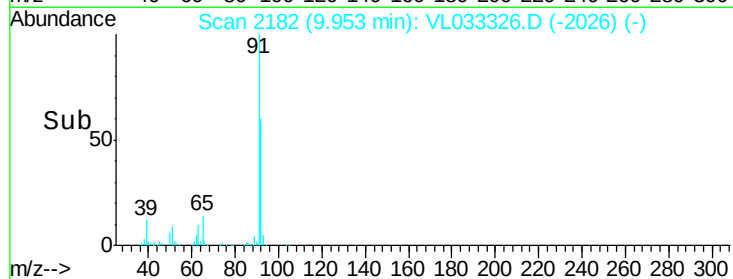
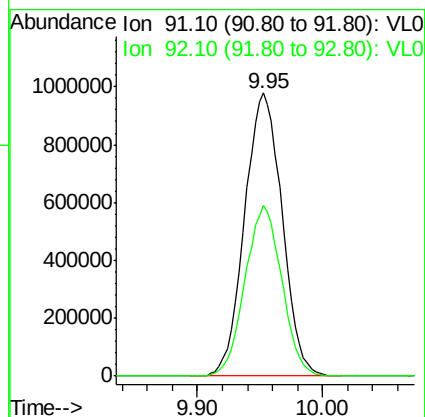
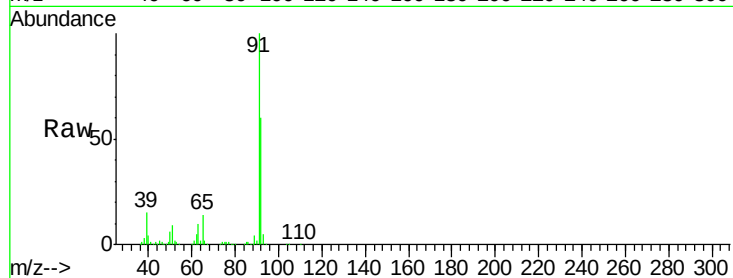
VSTDICCC010

Tgt Ion: 91 Resp: 2033065

Ion Ratio Lower Upper

91 100

92 59.2 47.4 71.0



#54

1,2-Dibromoethane

Concen: 10.638 ppbv

RT: 10.77 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VL033326.D

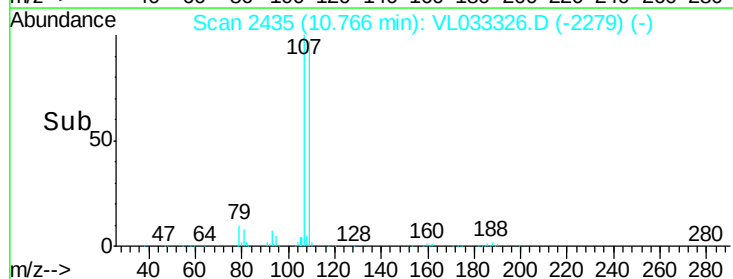
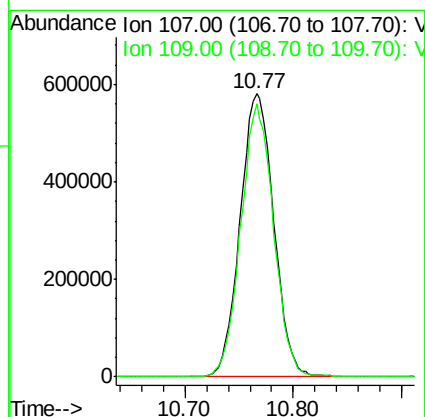
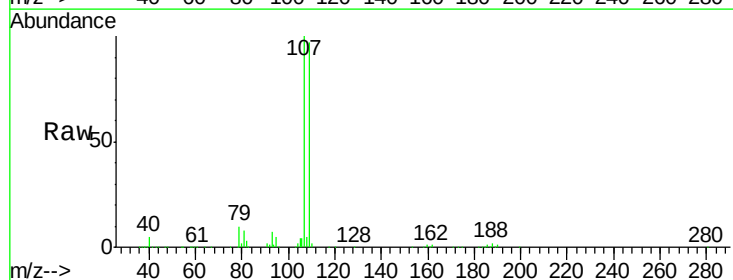
Acq: 15 Mar 2019 10:25

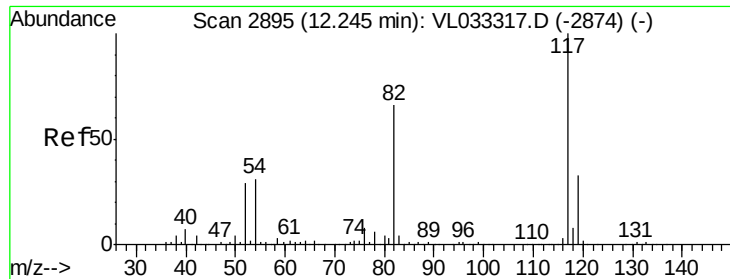
Tgt Ion: 107 Resp: 1263525

Ion Ratio Lower Upper

107 100

109 96.5 77.2 115.8

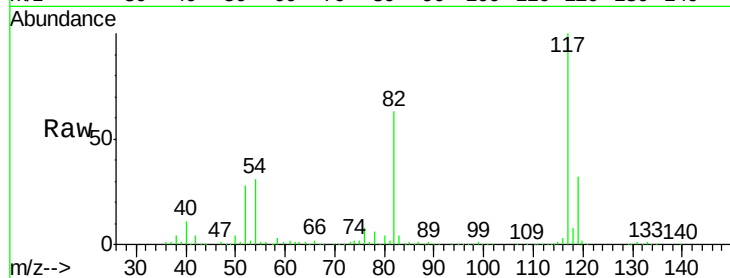




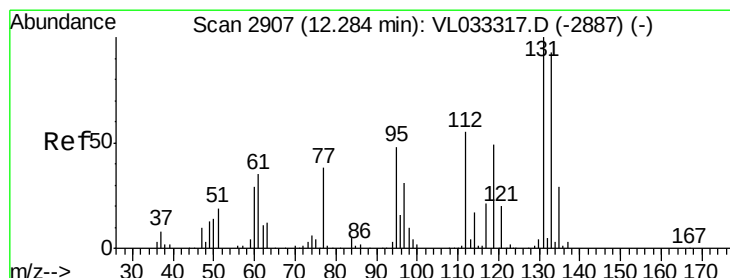
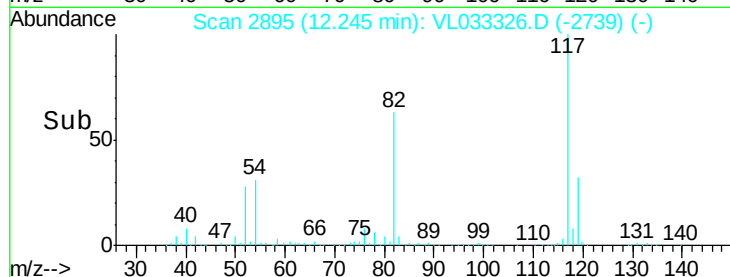
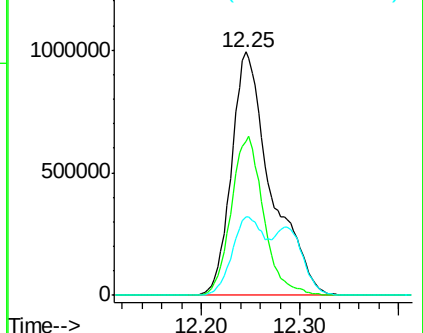
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.25 min Scan# 2895
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:117 Resp: 2779134
 Ion Ratio Lower Upper
 117 100
 82 53.6 53.4 80.2
 119 29.0 27.3 40.9

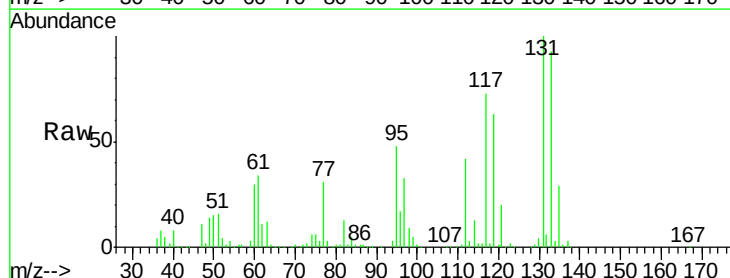


Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): V
 Ion 119.10 (118.80 to 119.80): V

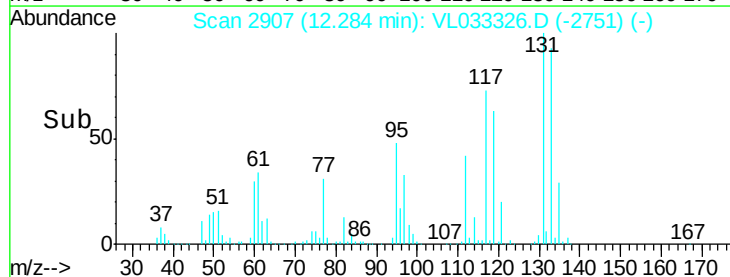
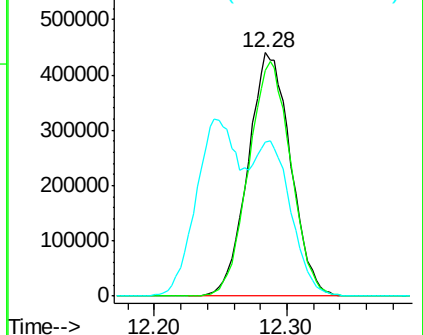


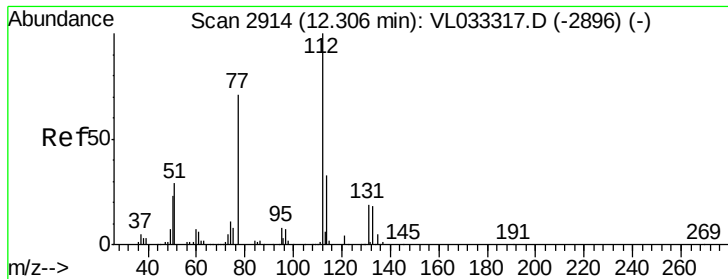
#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.870 ppbv
 RT: 12.28 min Scan# 2907
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Tgt Ion:131 Resp: 981479
 Ion Ratio Lower Upper
 131 100
 133 95.9 76.7 115.1
 119 50.4 40.3 60.5



Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.542 ppbv

RT: 12.31 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

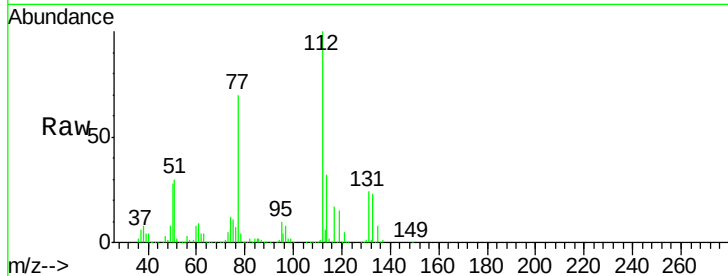
Tgt Ion:112 Resp: 1664880

Ion Ratio Lower Upper

112 100

77 69.7 55.8 83.6

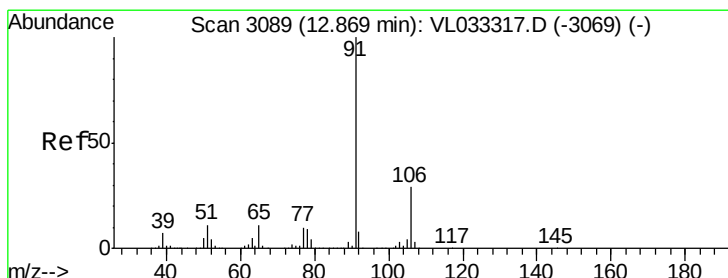
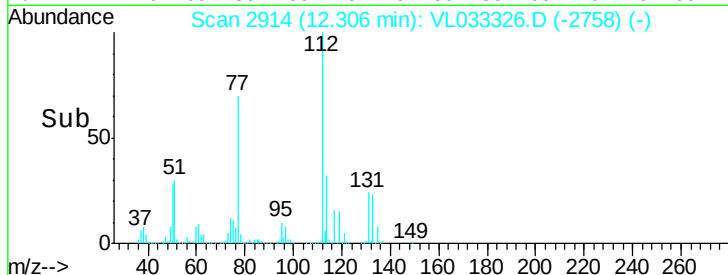
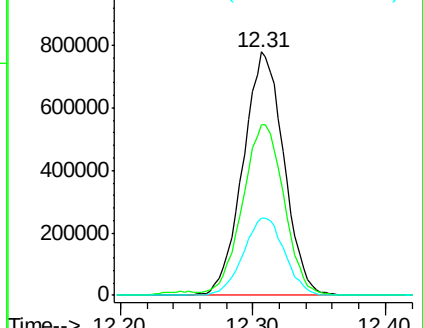
114 31.8 28.6 35.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.027 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. 0.00 min

Lab File: VL033326.D

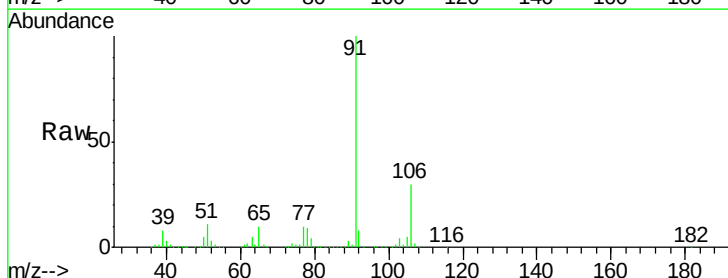
Acq: 15 Mar 2019 10:25

Tgt Ion: 91 Resp: 3156238

Ion Ratio Lower Upper

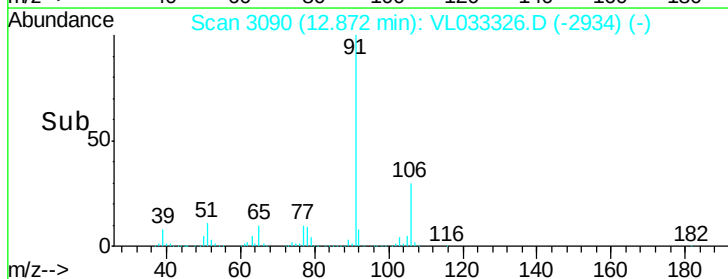
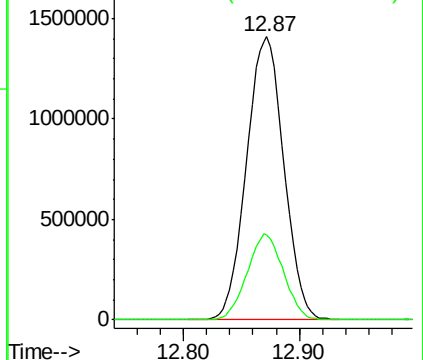
91 100

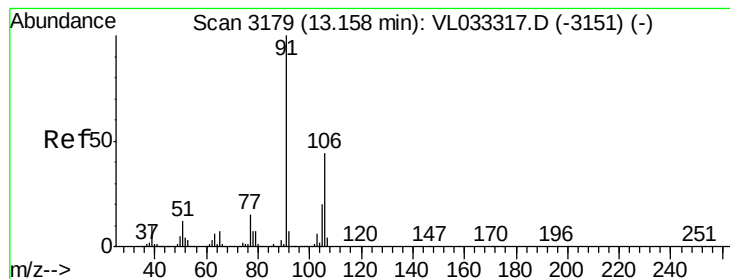
106 30.2 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.811 ppbv

RT: 13.13 min Scan# 3171

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

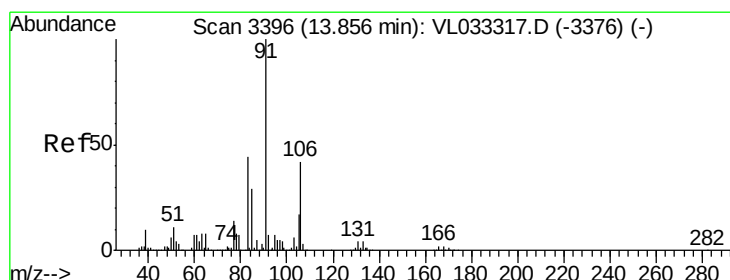
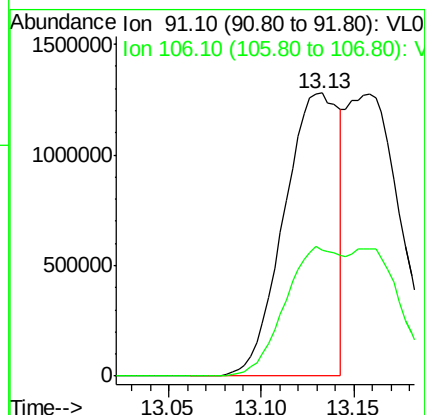
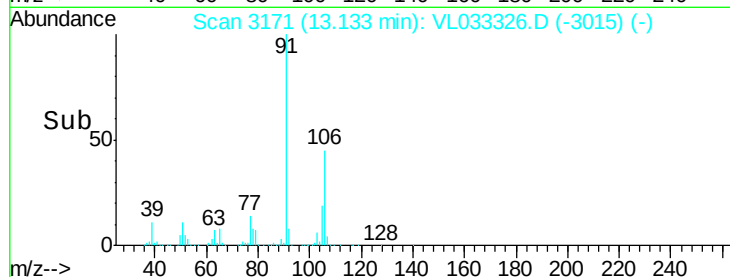
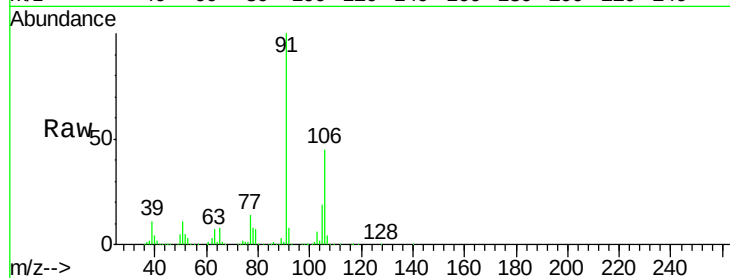
VSTDICCC010

Tgt Ion: 91 Resp: 2616460

Ion Ratio Lower Upper

91 100

106 89.1 0.0 0.0#



#60

o-Xylene

Concen: 7.817 ppbv

RT: 13.86 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VL033326.D

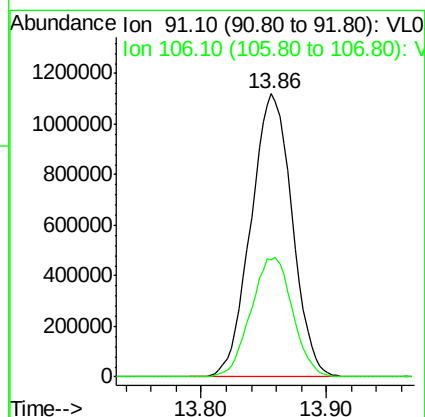
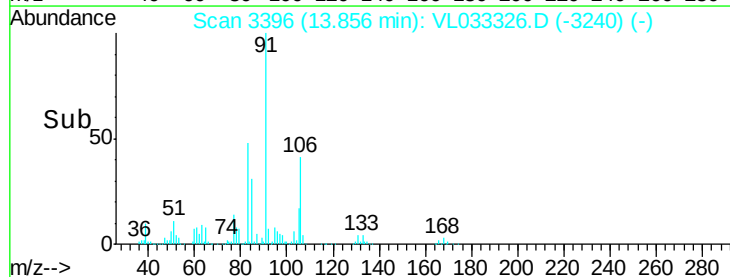
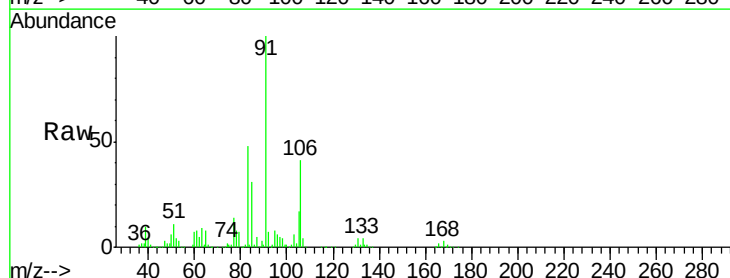
Acq: 15 Mar 2019 10:25

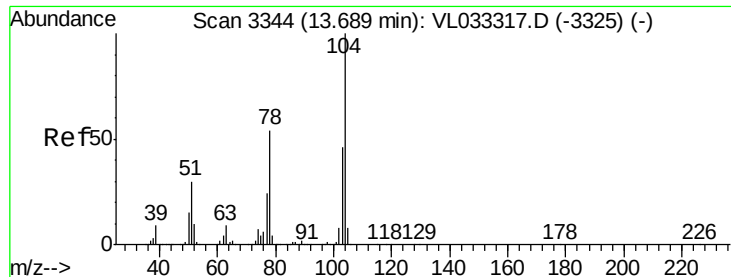
Tgt Ion: 91 Resp: 2564716

Ion Ratio Lower Upper

91 100

106 42.6 21.3 63.9





#61

Styrene

Concen: 8.396 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

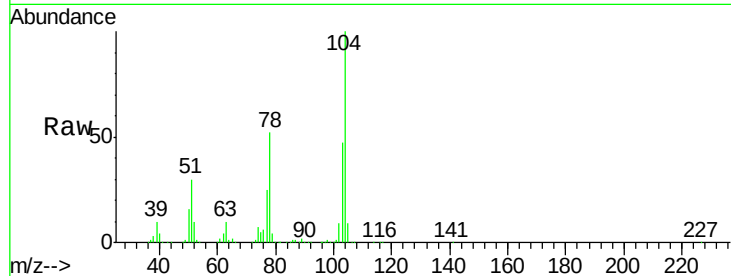
Tgt Ion:104 Resp: 1924195

Ion Ratio Lower Upper

104 100

78 53.4 42.7 64.1

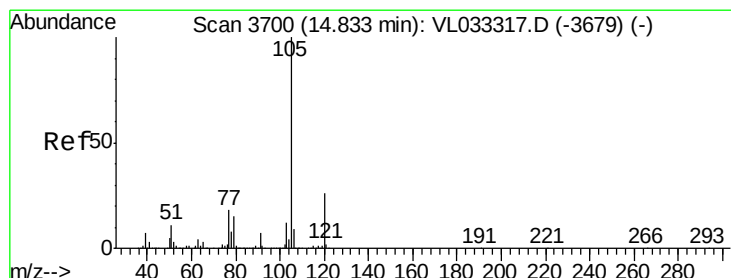
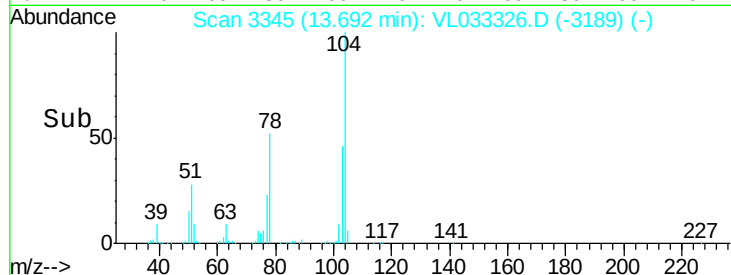
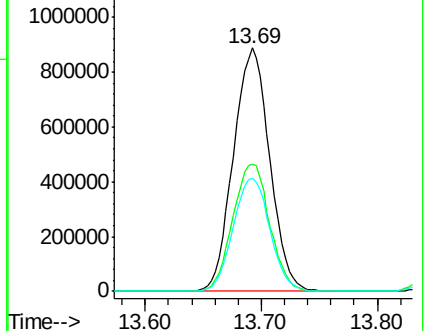
103 47.4 38.0 57.0



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: 7.938 ppbv

RT: 14.83 min Scan# 3700

Delta R.T. 0.00 min

Lab File: VL033326.D

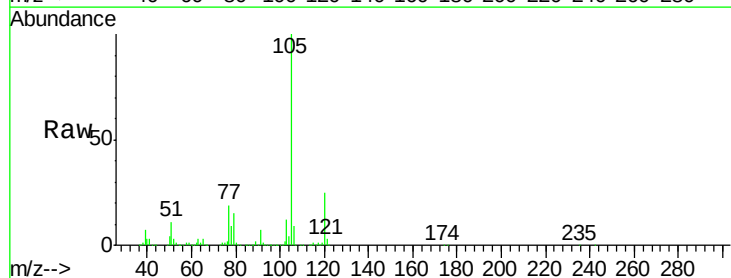
Acq: 15 Mar 2019 10:25

Tgt Ion:105 Resp: 3599610

Ion Ratio Lower Upper

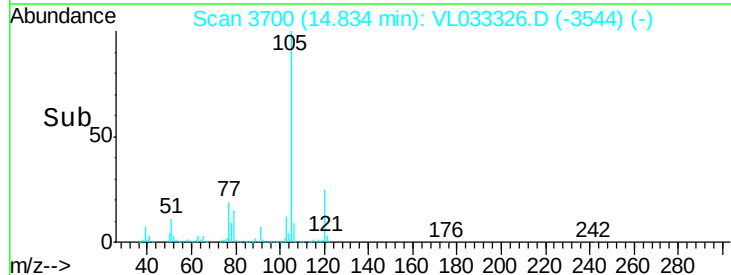
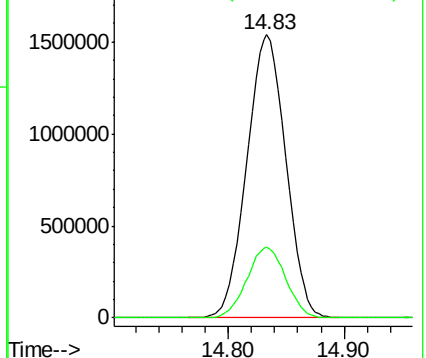
105 100

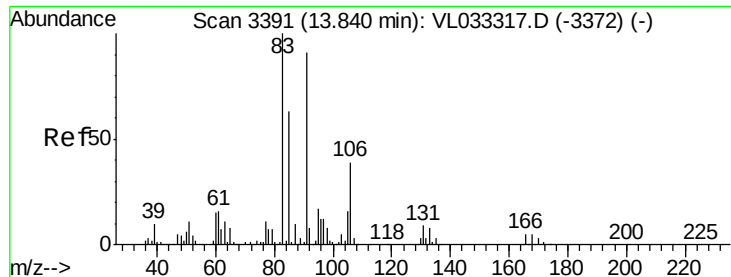
120 24.9 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

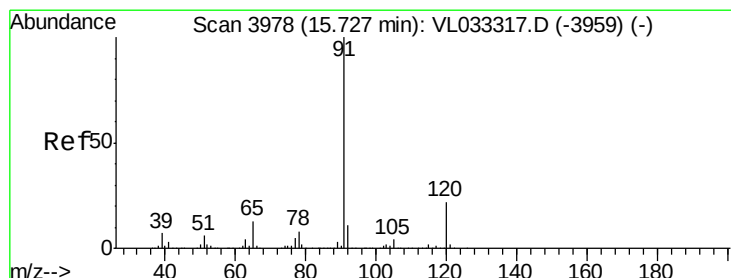
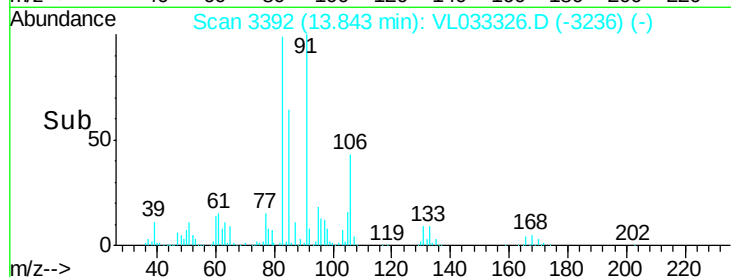
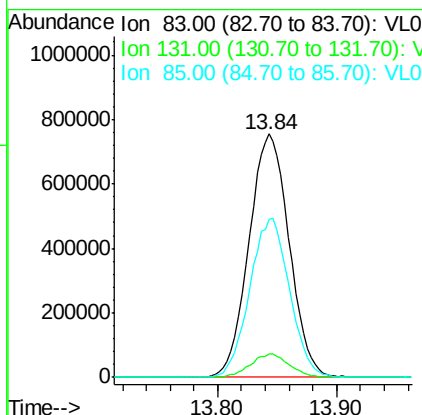
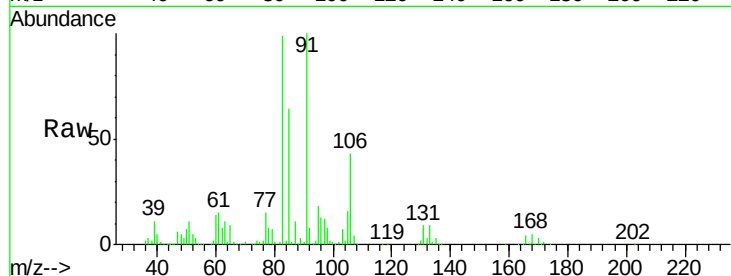




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.104 ppbv
 RT: 13.84 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

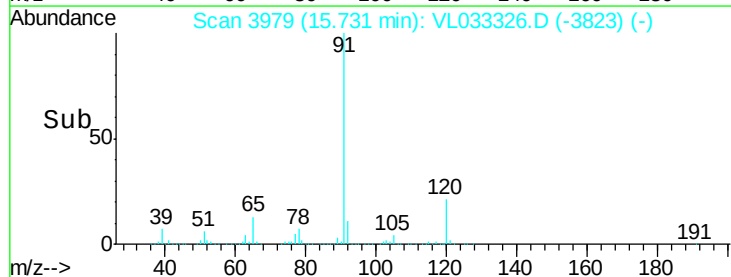
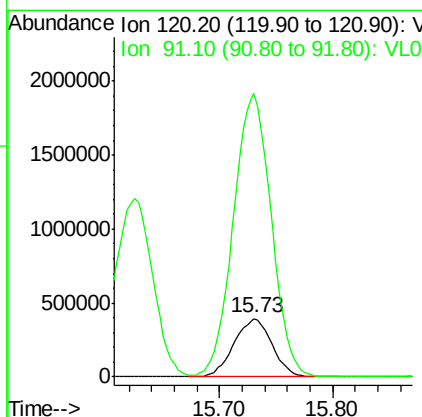
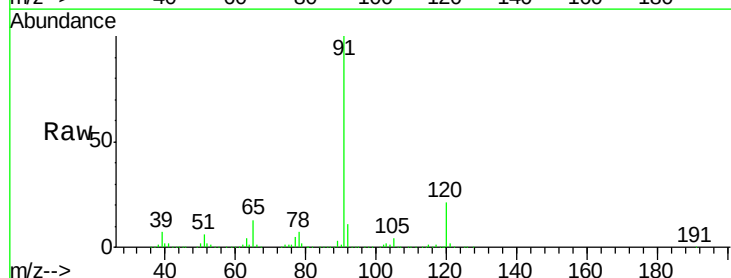
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

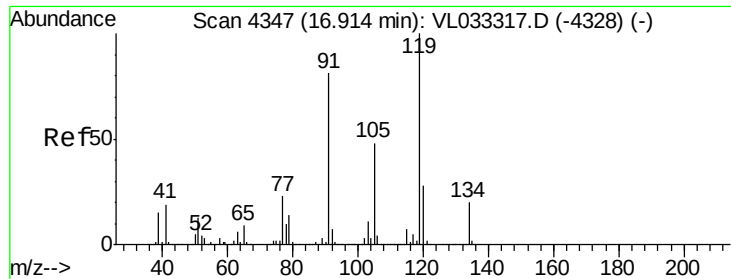
Tgt Ion: 83 Resp: 1762437
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 64.9 32.5 97.4



#64
 n-propylbenzene
 Concen: 8.020 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Tgt Ion: 120 Resp: 917950
 Ion Ratio Lower Upper
 120 100
 91 487.2 389.8 584.6

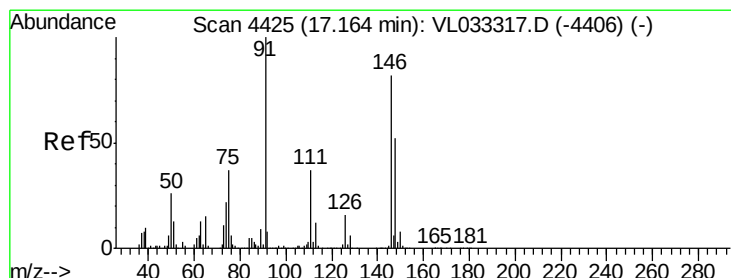
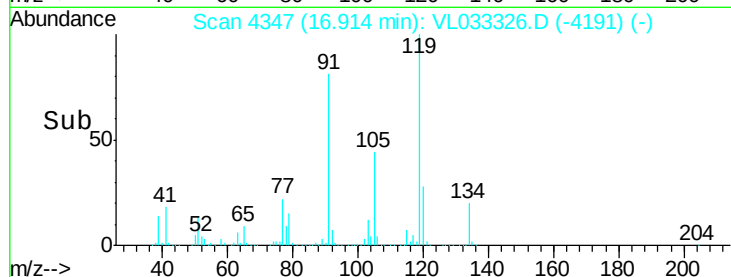
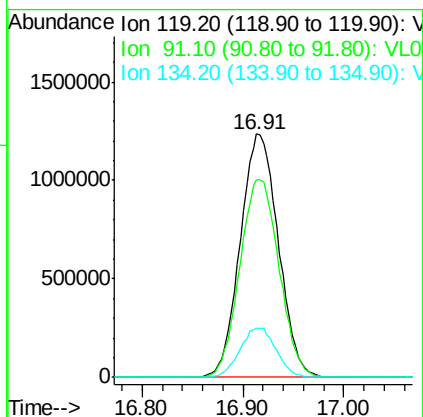
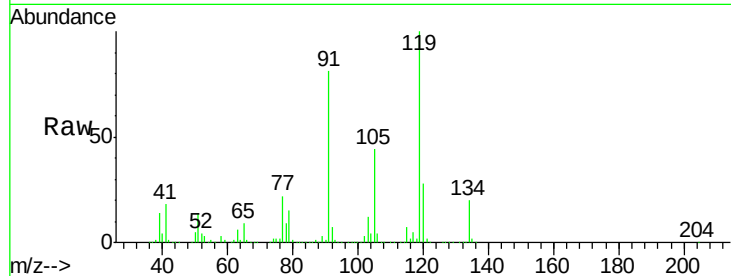




#65
 tert-Butylbenzene
 Concen: 7.728 ppbv
 RT: 16.91 min Scan# 4347
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

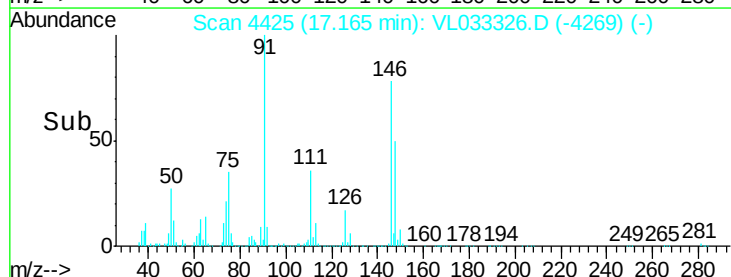
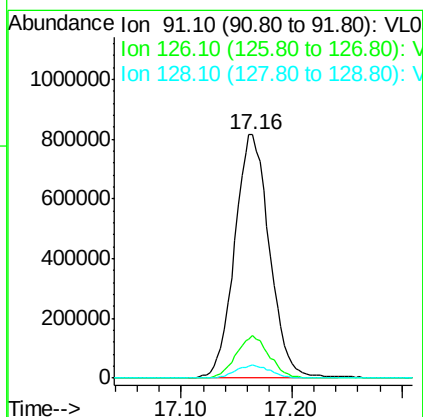
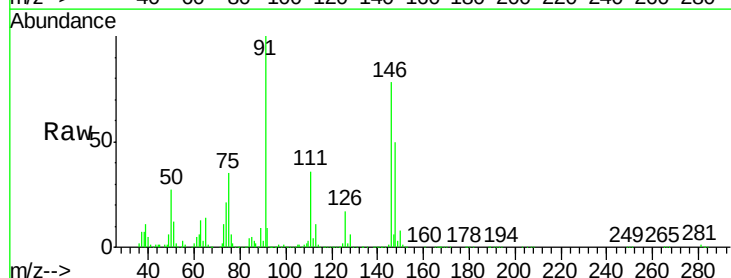
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

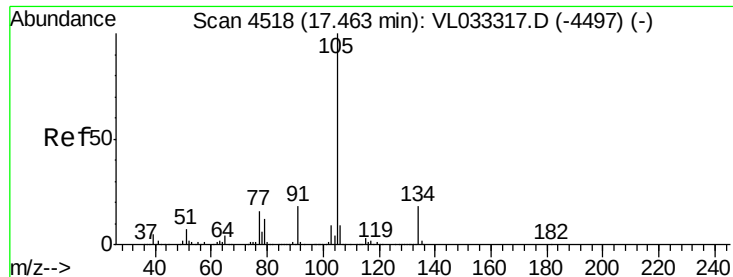
Tgt Ion: 119 Resp: 3229047
 Ion Ratio Lower Upper
 119 100
 91 84.0 67.2 100.8
 134 19.3 15.4 23.2



#66
 Benzyl Chloride
 Concen: 10.420 ppbv
 RT: 17.16 min Scan# 4425
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Tgt Ion: 91 Resp: 1776490
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.2 19.8
 128 5.3 4.2 6.4





#67

sec-Butylbenzene

Concen: 7.741 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

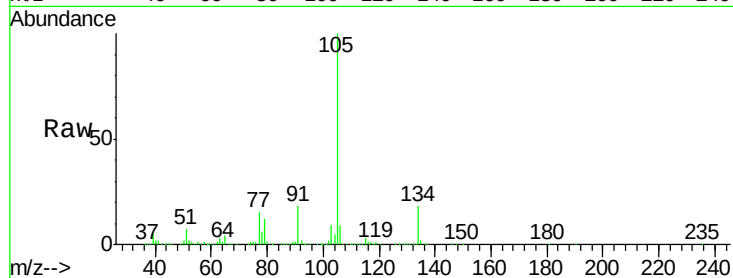
VSTDICCC010

Tgt Ion: 105 Resp: 4622545

Ion Ratio Lower Upper

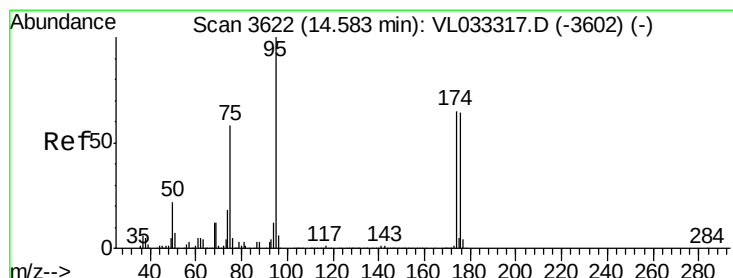
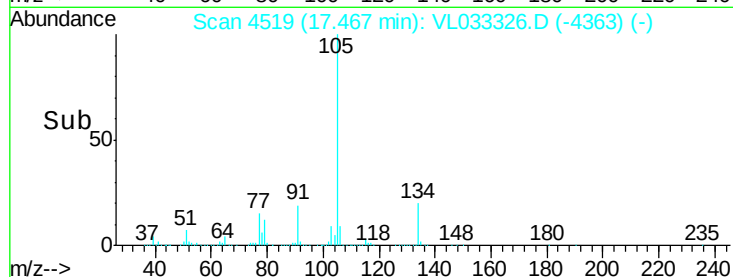
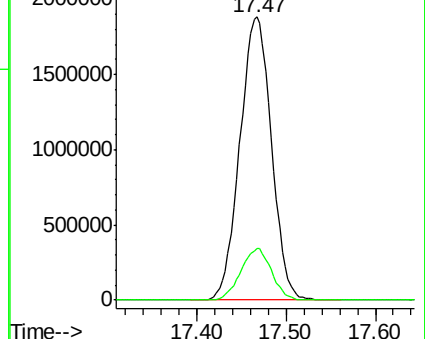
105 100

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: 7.876 ppbv

RT: 14.58 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

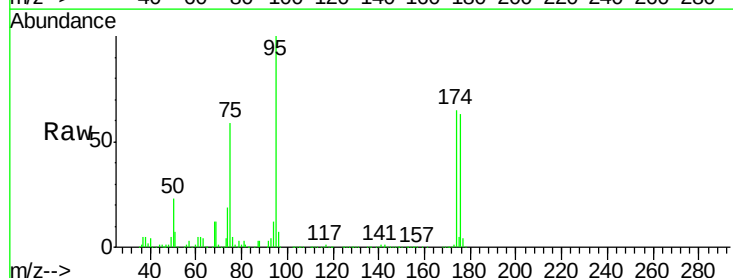
Tgt Ion: 95 Resp: 1663558

Ion Ratio Lower Upper

95 100

174 64.4 51.5 77.3

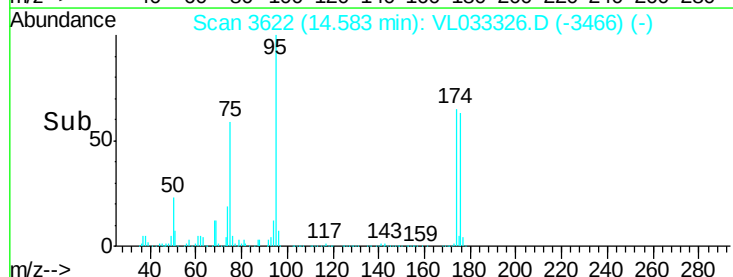
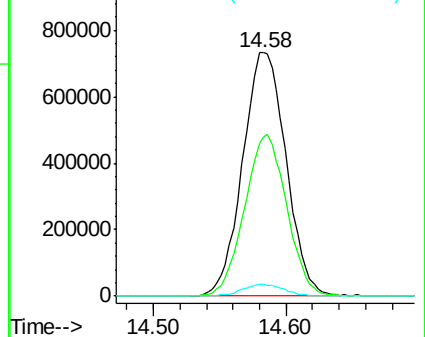
175 4.7 3.8 5.6

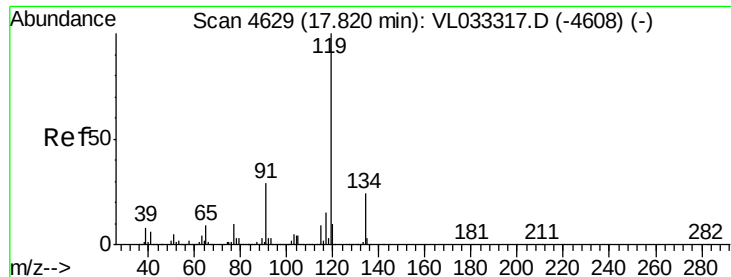


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

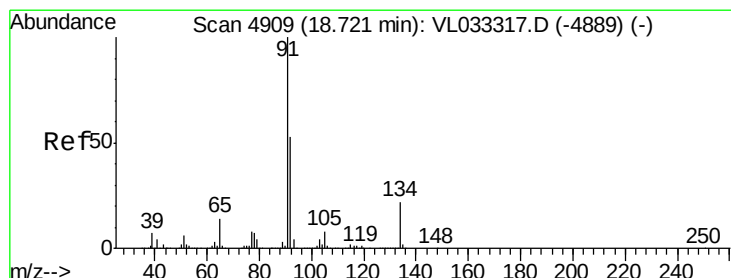
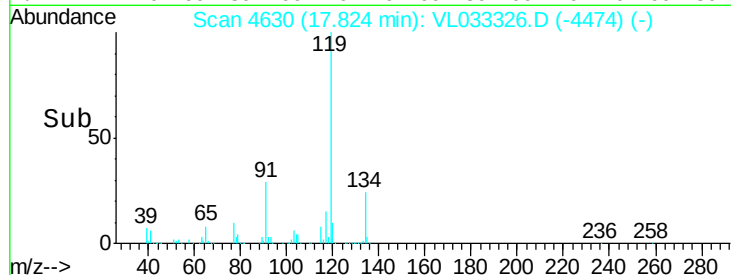
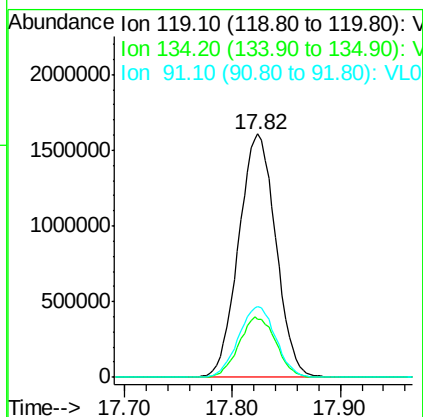
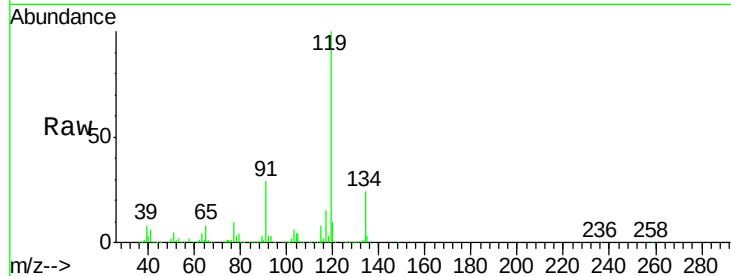




#69
p-Isopropyltoluene
Concen: 7.896 ppbv
RT: 17.82 min Scan# 4630
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

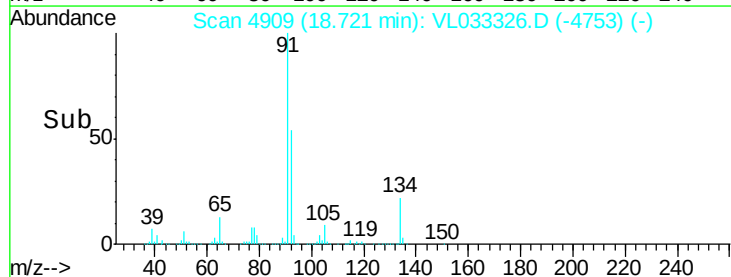
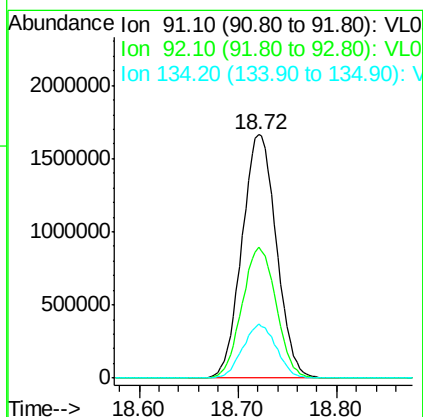
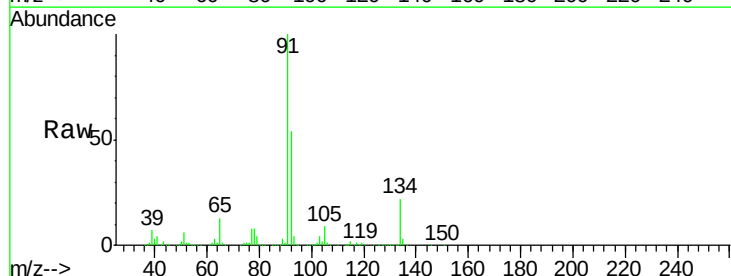
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

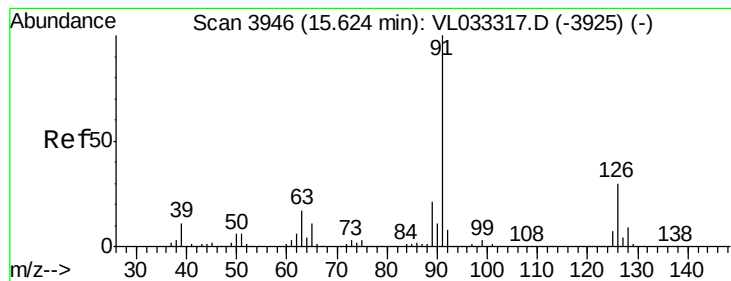
Tgt Ion: 119 Resp: 3837860
Ion Ratio Lower Upper
119 100
134 24.7 19.8 29.6
91 29.3 23.4 35.2



#70
n-Butylbenzene
Concen: 7.717 ppbv
RT: 18.72 min Scan# 4909
Delta R.T. 0.00 min
Lab File: VL033326.D
Acq: 15 Mar 2019 10:25

Tgt Ion: 91 Resp: 4005884
Ion Ratio Lower Upper
91 100
92 53.5 42.8 64.2
134 21.7 17.4 26.0





#71

2-Chlorotoluene

Concen: 7.752 ppbv

RT: 15.62 min Scan# 3946

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

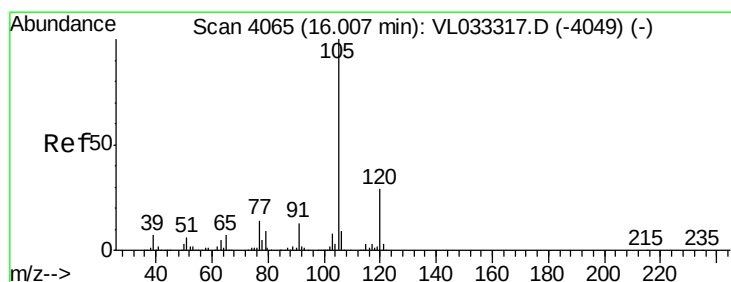
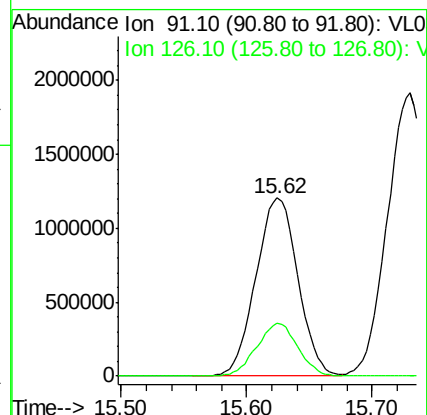
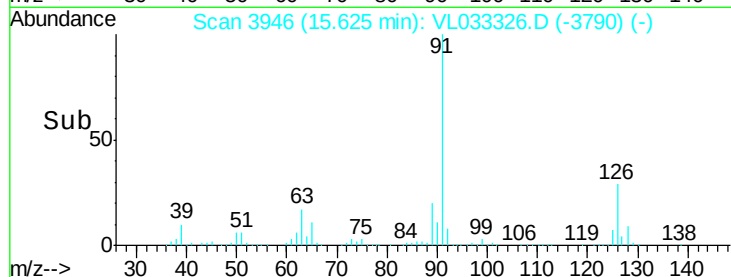
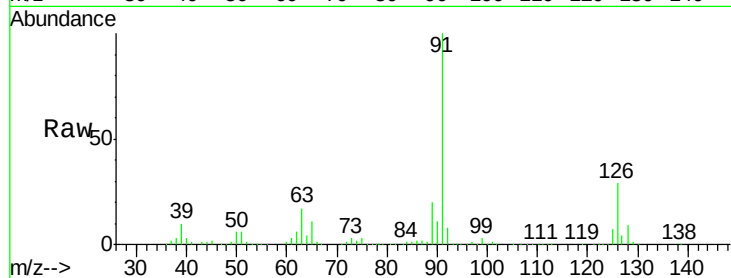
VSTDICCC010

Tgt Ion: 91 Resp: 2799024

Ion Ratio Lower Upper

91 100

126 29.0 11.6 46.6



#72

4-Ethyltoluene

Concen: 8.110 ppbv

RT: 16.01 min Scan# 4065

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Tgt Ion: 105 Resp: 3036283

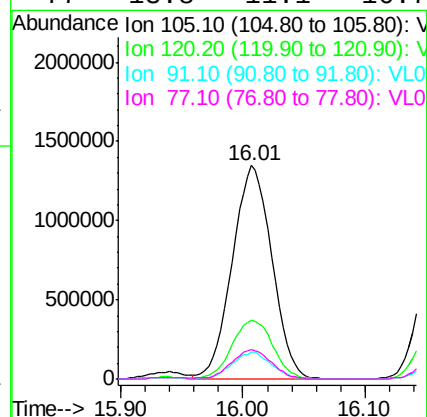
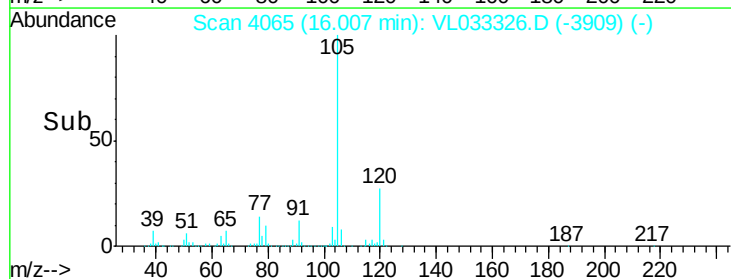
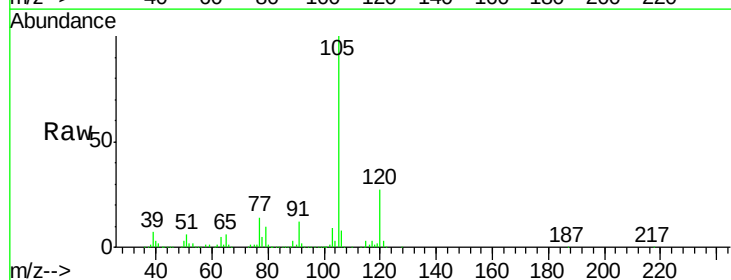
Ion Ratio Lower Upper

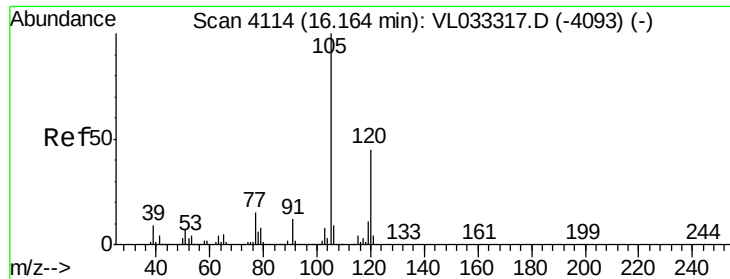
105 100

120 28.5 22.9 34.3

91 13.1 10.2 15.2

77 13.8 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 7.832 ppbv

RT: 16.16 min Scan# 4114

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

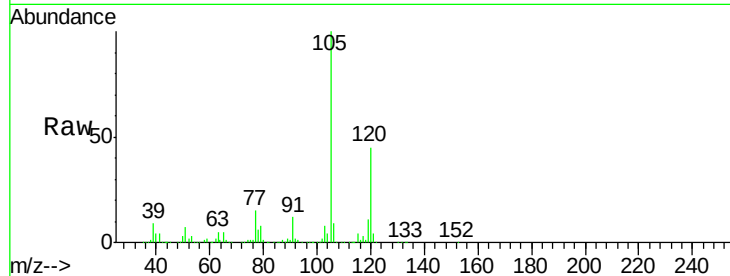
VSTDICCC010

Tgt Ion:105 Resp: 2903418

Ion Ratio Lower Upper

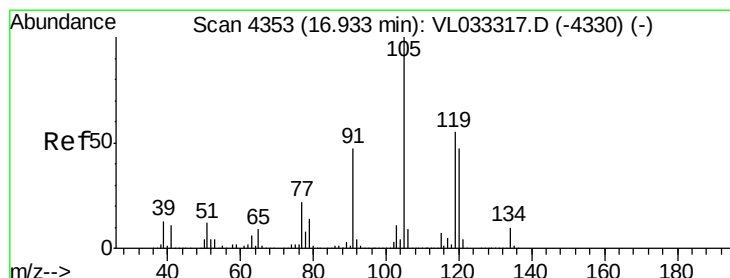
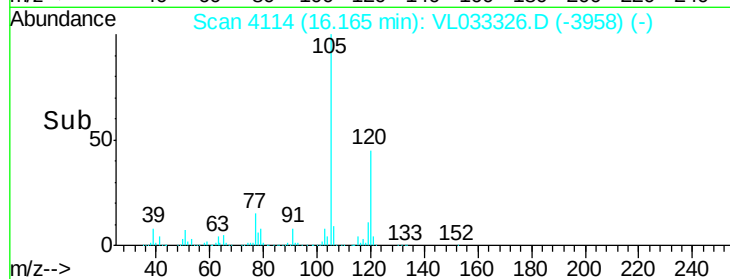
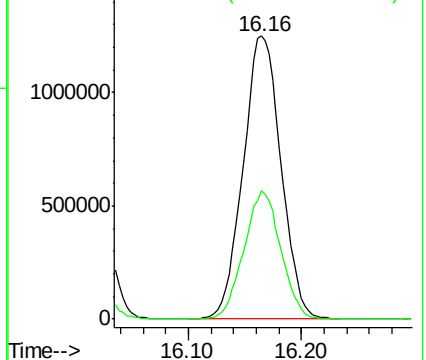
105 100

120 45.3 36.2 54.4



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: 7.630 ppbv

RT: 16.93 min Scan# 4353

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Tgt Ion:105 Resp: 2977537

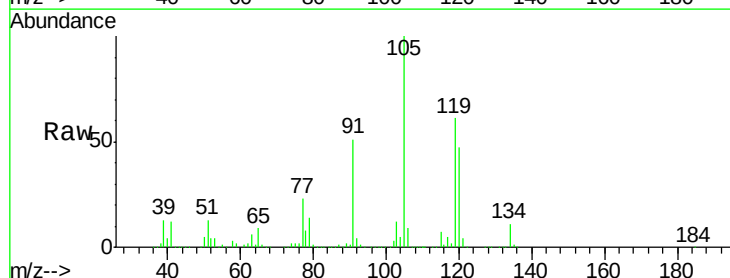
Ion Ratio Lower Upper

105 100

120 46.8 37.4 56.2

91 51.2 41.0 61.4

77 23.1 18.5 27.7

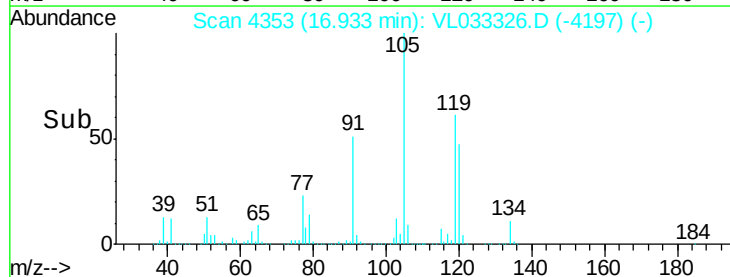
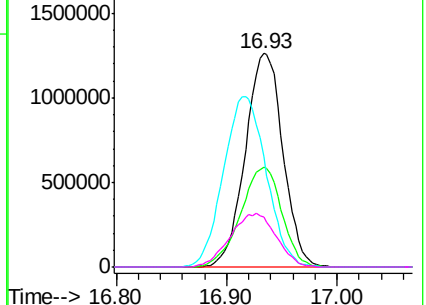


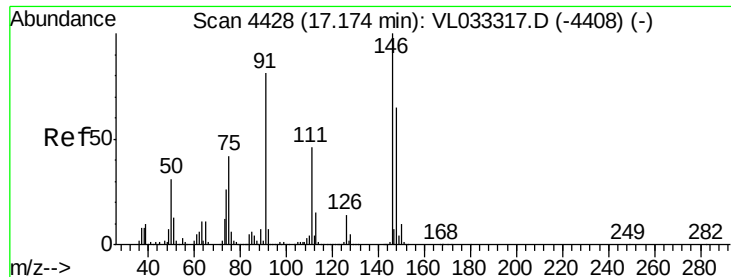
Abundance Ion 105.10 (104.80 to 105.80): V

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

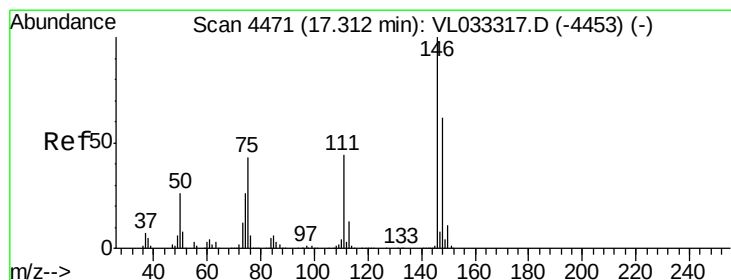
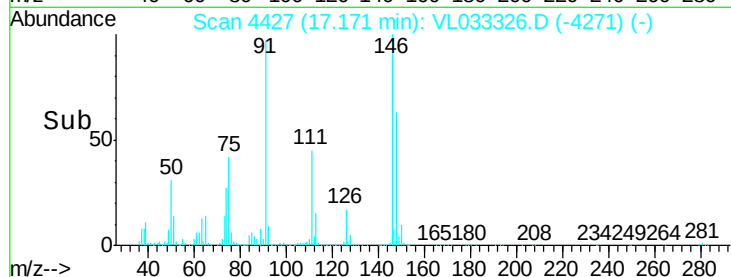
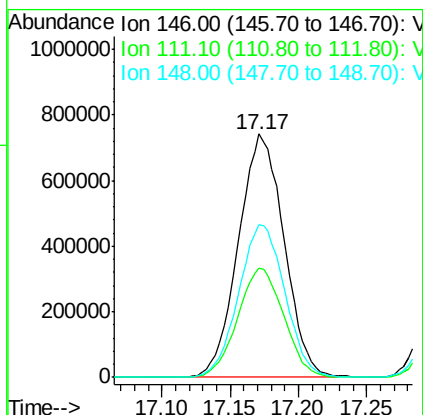
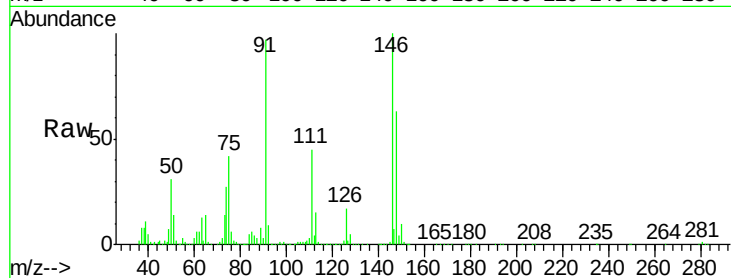




#75
 1,3-Dichlorobenzene
 Concen: 7.594 ppbv
 RT: 17.17 min Scan# 4427
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

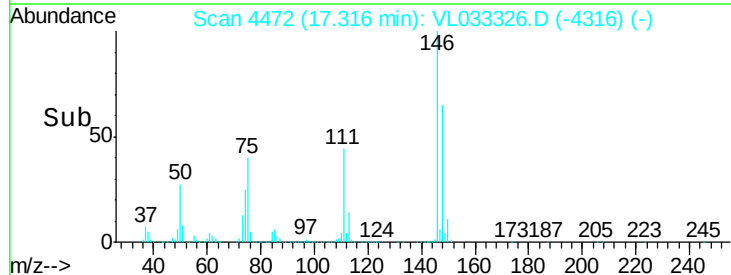
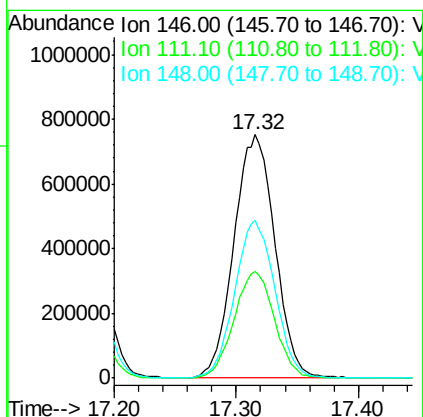
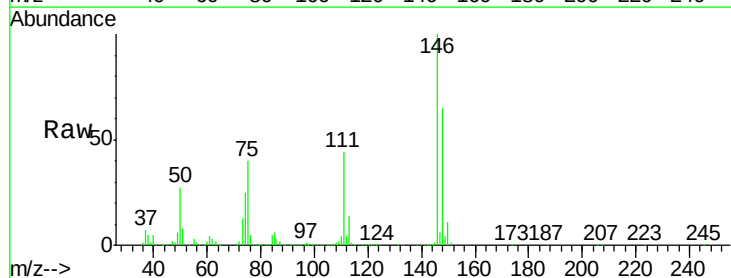
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

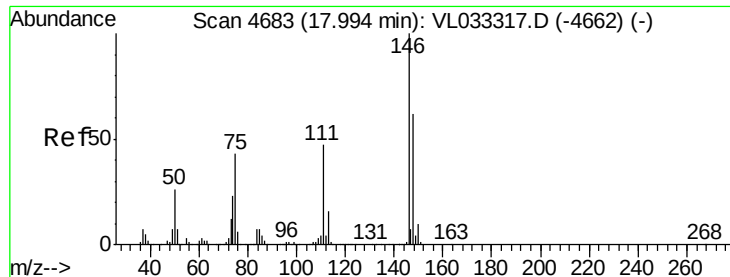
Tgt Ion:146 Resp: 1723618
 Ion Ratio Lower Upper
 146 100
 111 45.5 22.8 68.3
 148 63.7 31.9 95.7



#76
 1,4-Dichlorobenzene
 Concen: 7.736 ppbv
 RT: 17.32 min Scan# 4472
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Tgt Ion:146 Resp: 1728953
 Ion Ratio Lower Upper
 146 100
 111 43.6 21.9 65.7
 148 64.2 32.1 96.5

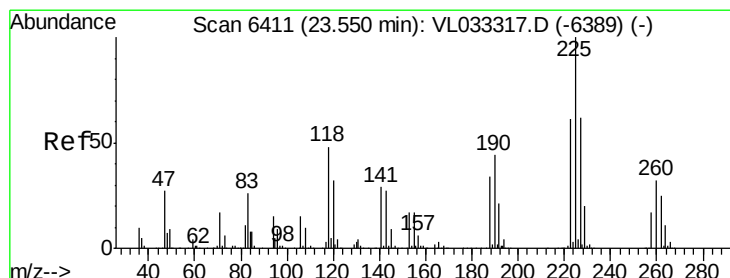
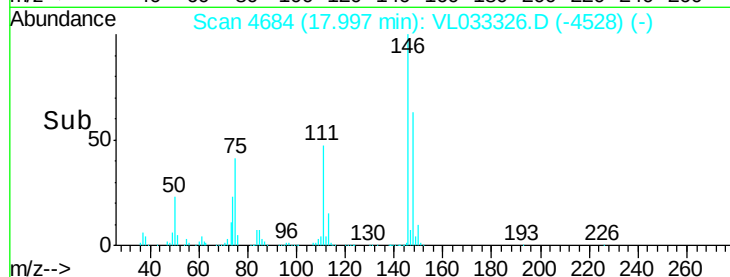
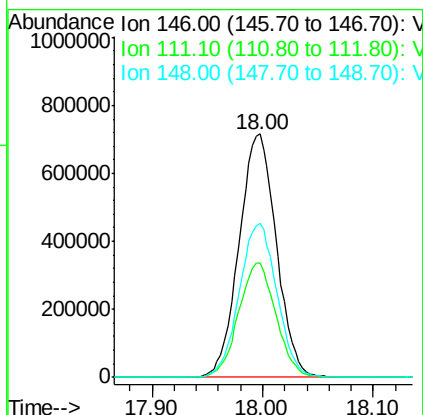
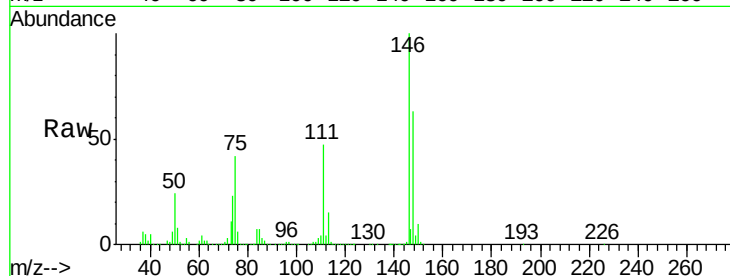




#77
 1,2-Dichlorobenzene
 Concen: 7.636 ppbv
 RT: 18.00 min Scan# 4684
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

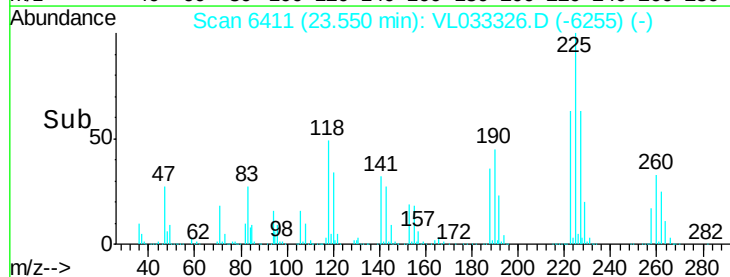
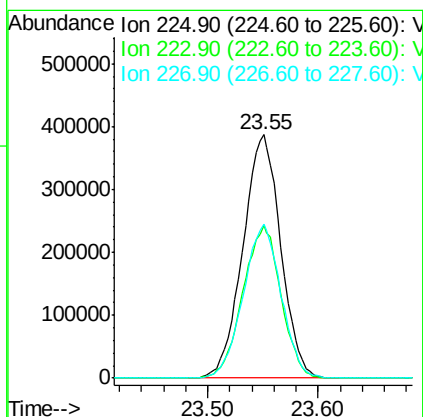
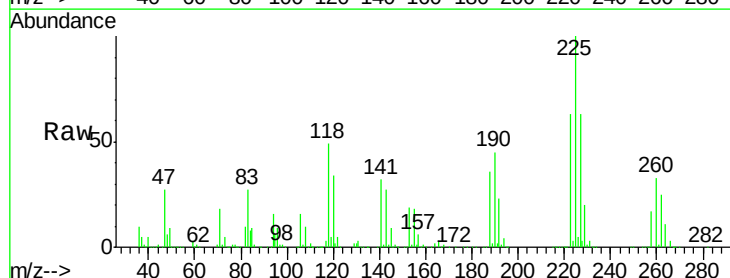
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

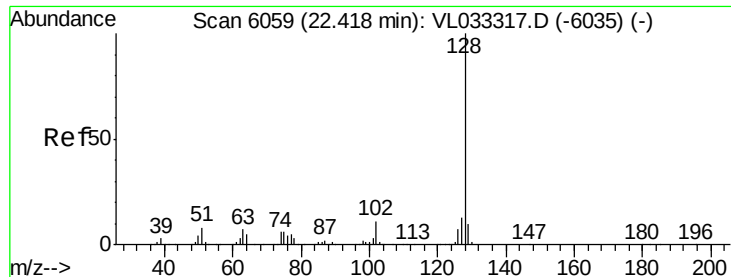
Tgt Ion:146 Resp: 1677051
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.5 70.6
 148 63.9 31.9 95.9



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.941 ppbv
 RT: 23.55 min Scan# 6411
 Delta R.T. 0.00 min
 Lab File: VL033326.D
 Acq: 15 Mar 2019 10:25

Tgt Ion:225 Resp: 917603
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.4 75.6
 227 63.1 50.5 75.7





#79

Naphthalene

Concen: 7.686 ppbv

RT: 22.42 min Scan# 6059

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

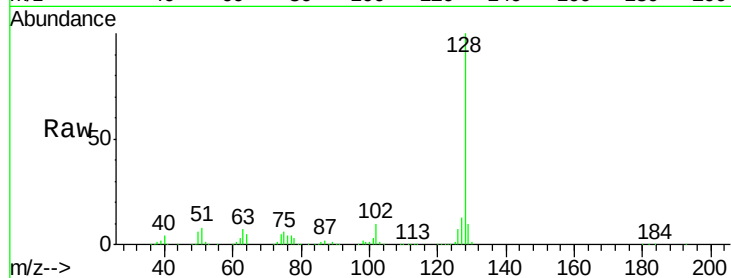
Tgt Ion:128 Resp: 2929304

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

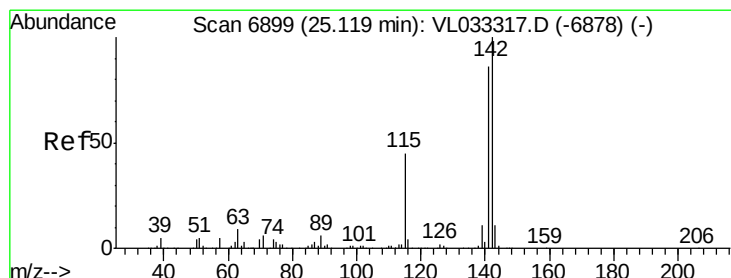
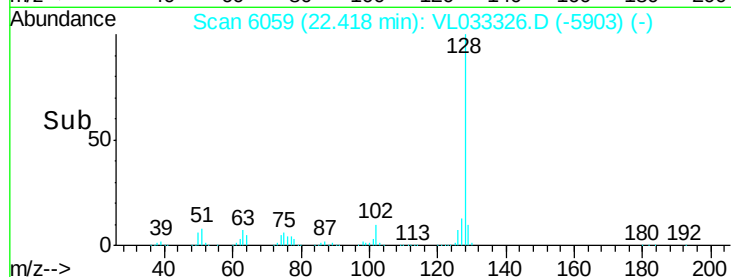
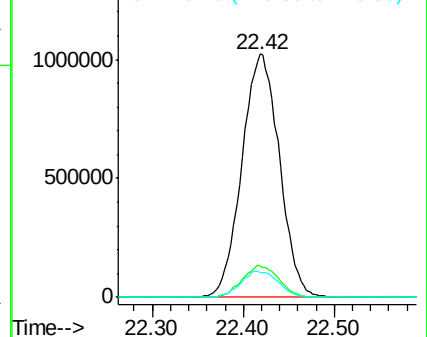
129 10.2 8.2 12.2



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: 8.082 ppbv

RT: 25.12 min Scan# 6899

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

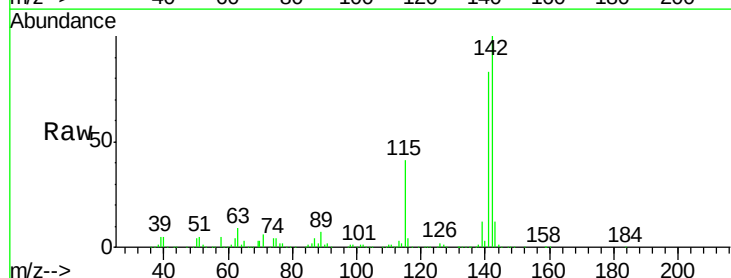
Tgt Ion:142 Resp: 1484934

Ion Ratio Lower Upper

142 100

141 83.9 67.1 100.7

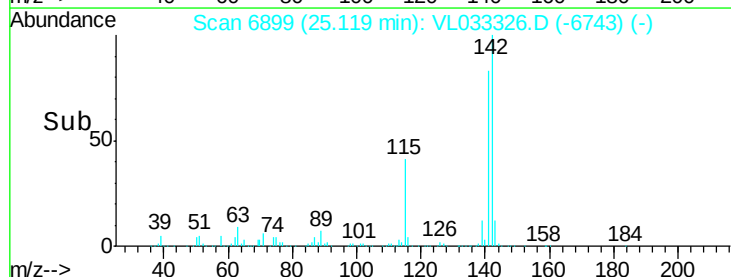
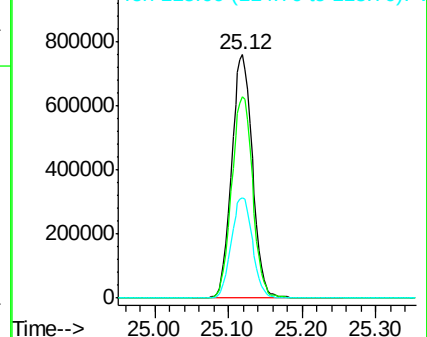
115 42.0 33.8 50.6

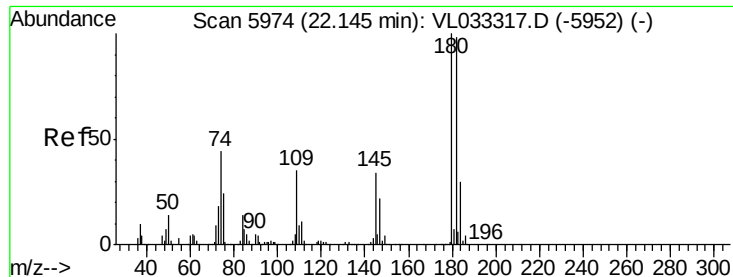


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.381 ppbv

RT: 22.14 min Scan# 5973

Delta R.T. 0.00 min

Lab File: VL033326.D

Acq: 15 Mar 2019 10:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

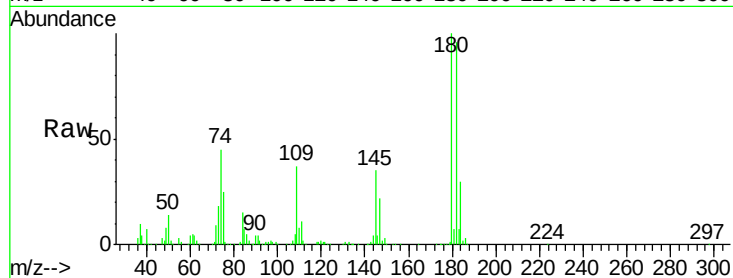
Tgt Ion:180 Resp: 1458644

Ion Ratio Lower Upper

180 100

182 95.3 76.1 114.1

184 30.8 24.6 37.0



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

