

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102119\
 Data File : VV013245.D
 Acq On : 21 Oct 2019 15:35
 Operator : SY/MD
 Sample : VSTD0.531
 Misc : 25.00ML/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Quant Time: Oct 22 01:52:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 22 01:49:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	534143	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	562988	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	317789	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19957	0.38	ug/L	0.00
7) Chloroethane-d5	1.58	69	16780	0.40	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	34198	0.41	ug/L	0.00
20) 2-Butanone-d5	3.97	46	27944	2.66	ug/L	-0.02
24) Chloroform-d	4.40	84	43582	0.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	19844	0.40	ug/L	0.00
32) Benzene-d6	5.10	84	81130	0.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	25726	0.41	ug/L	-0.02
41) Toluene-d8	7.36	98	67149	0.36	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	8725	0.39	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	22102	2.46	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	18264	0.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	30463	0.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	27083	0.411 ug/L	98
3) Chloromethane	1.25	50	24451	0.393 ug/L	99
5) Vinyl chloride	1.32	62	24602	0.443 ug/L	99
6) Bromomethane	1.53	94	13541	0.435 ug/L	97
8) Chloroethane	1.60	64	14481	0.451 ug/L	98
9) Trichlorofluoromethane	1.77	101	33867	0.427 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	20548	0.454 ug/L	96
12) 1,1-Dichloroethene	2.14	96	20052	0.464 ug/L	94
13) Acetone	2.21	43	16107	3.081 ug/L	90
14) Carbon disulfide	2.32	76	55097	0.448 ug/L	98
15) Methyl Acetate	2.47	43	7675	0.630 ug/L #	88
16) Methylene chloride	2.53	84	100155	1.897 ug/L	93
17) Methyl tert-butyl Ether	2.80	73	48192	0.434 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	24406	0.448 ug/L	97
19) 1,1-Dichloroethane	3.23	63	43747	0.453 ug/L	98
21) 2-Butanone	4.05	43	28543	2.378 ug/L	75
22) cis-1,2-Dichloroethene	3.96	96	23987	0.427 ug/L #	89
23) Bromochloromethane	4.30	128	11674	0.447 ug/L	95
25) Chloroform	4.42	83	52621	0.490 ug/L	99
27) 1,2-Dichloroethane	5.18	62	23191	0.394 ug/L	98
29) 1,1,1-Trichloroethane	4.65	97	37469	0.431 ug/L	98
30) Cyclohexane	4.72	56	32041	0.359 ug/L	97
31) Carbon tetrachloride	4.87	117	33537	0.436 ug/L	96
33) Benzene	5.14	78	89625	0.397 ug/L	100
34) Trichloroethene	5.96	95	25578	0.435 ug/L	95
35) Methylcyclohexane	6.17	83	32163	0.359 ug/L	94
37) 1,2-Dichloropropane	6.22	63	21301	0.385 ug/L #	97
38) Bromodichloromethane	6.55	83	30521	0.433 ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	28933	0.390 ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	97191	3.289 ug/L	99

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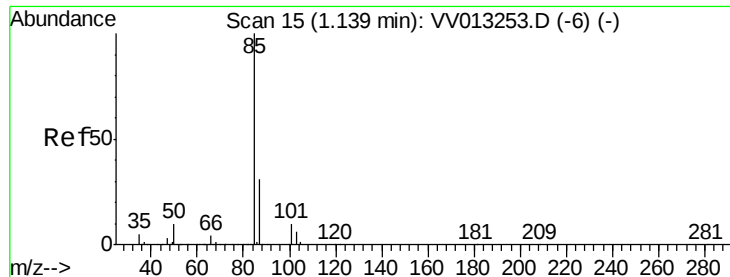
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	86128	0.371	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	23103	0.406	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	16114	0.421	ug/L	94
47) Tetrachloroethene	8.01	164	22873	0.442	ug/L	94
48) 2-Hexanone	8.19	43	63009	2.953	ug/L	95
49) Dibromochloromethane	8.29	129	19802	0.432	ug/L	93
50) 1,2-Dibromoethane	8.39	107	14575	0.422	ug/L	98
51) Chlorobenzene	8.92	112	60908	0.406	ug/L	98
52) Ethylbenzene	9.05	91	87206	0.361	ug/L	97
53) m,p-xylene	9.18	106	32164	0.352	ug/L	99
54) o-xylene	9.58	106	29111	0.330	ug/L	96
55) Styrene	9.60	104	47979	0.324	ug/L	100
56) Isopropylbenzene	9.97	105	77941	0.335	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	17754	0.402	ug/L	92
59) 1,2,3-Trichloropropane	10.32	75	13883	0.432	ug/L	94
61) Bromoform	9.77	173	11491	0.449	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	47962	0.424	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	48730	0.430	ug/L	100
65) 1,2-Dichlorobenzene	11.68	146	45950	0.429	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.47	75	3015	0.452	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	36459	0.439	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	29319	0.409	ug/L	97
69) Naphthalene	13.55	128	32909	0.301	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	27232	0.383	ug/L	99

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

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#2

Dichlorodifluoromethane

Concen: 0.411 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

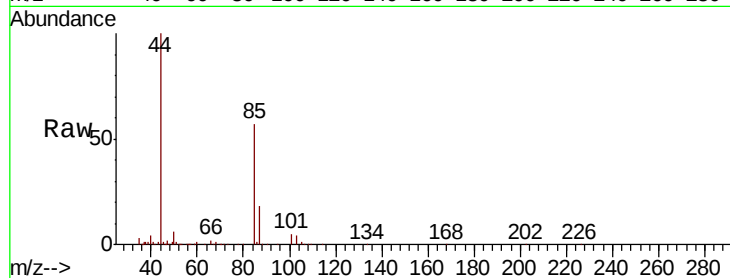
VSTD0.531

Tot Ion: 85 Resp: 27083

Ion Ratio Lower Upper

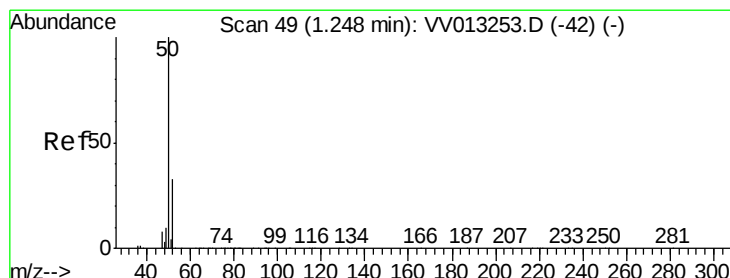
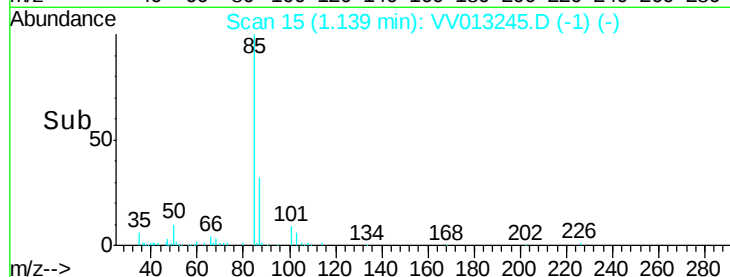
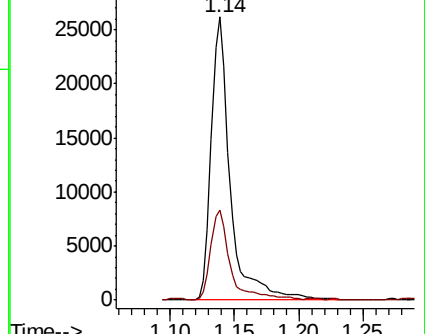
85 100

87 33.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.393 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.01 min

Lab File: VV013245.D

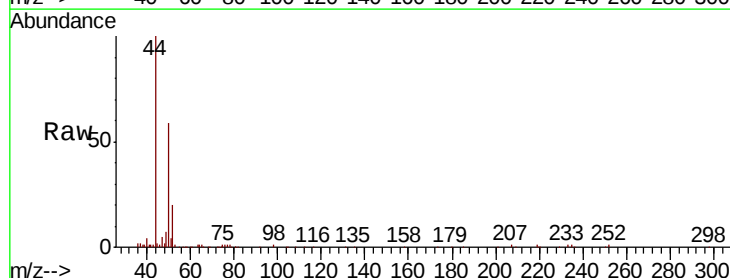
Acq: 21 Oct 2019 15:35

Tgt Ion: 50 Resp: 24451

Ion Ratio Lower Upper

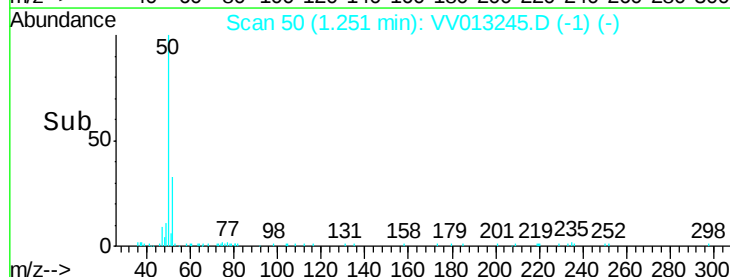
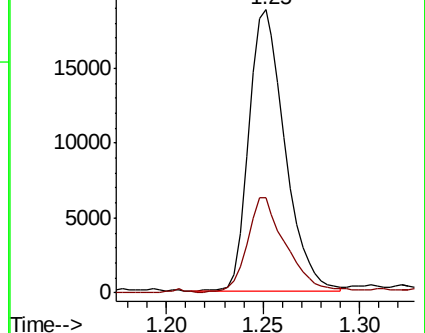
50 100

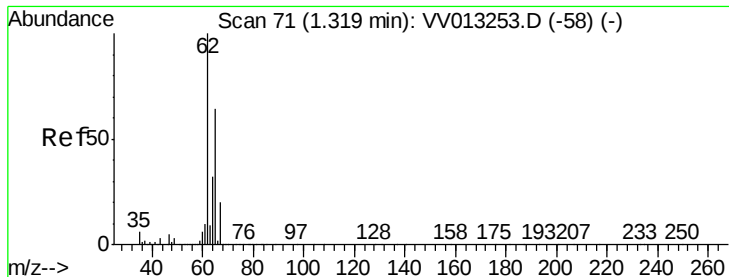
52 33.7 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.443 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

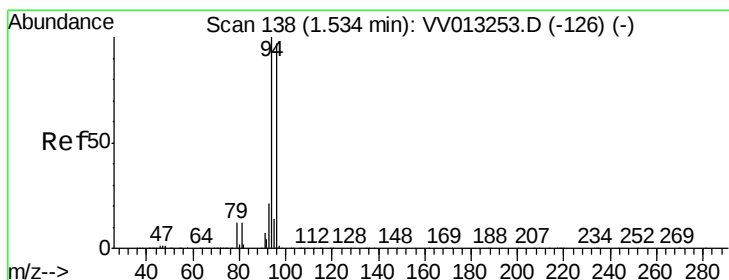
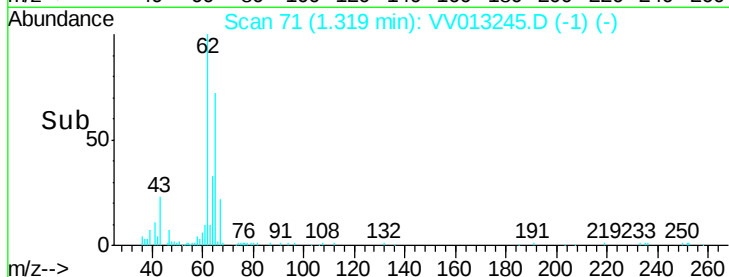
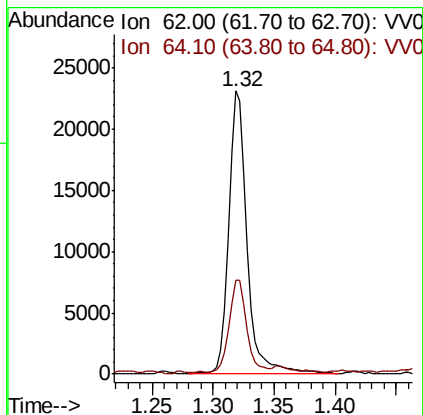
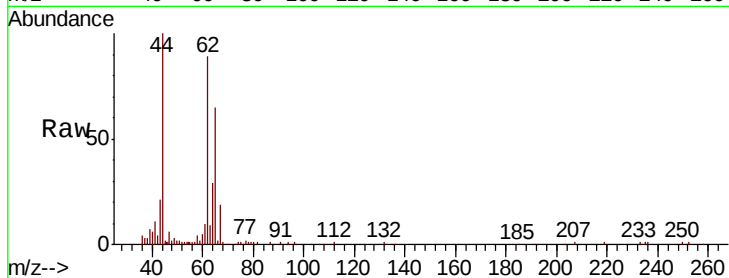
VSTD0.531

Tot Ion: 62 Resp: 24602

Ion Ratio Lower Upper

62 100

64 33.0 22.9 42.5



#6

Bromomethane

Concen: 0.435 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.01 min

Lab File: VV013245.D

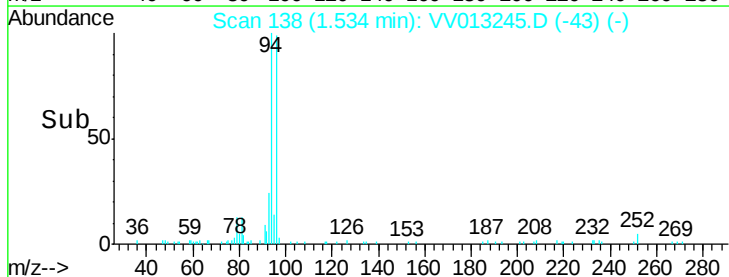
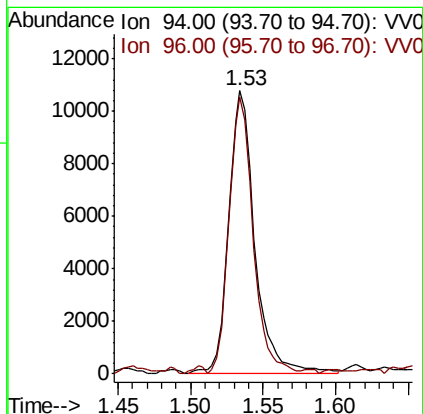
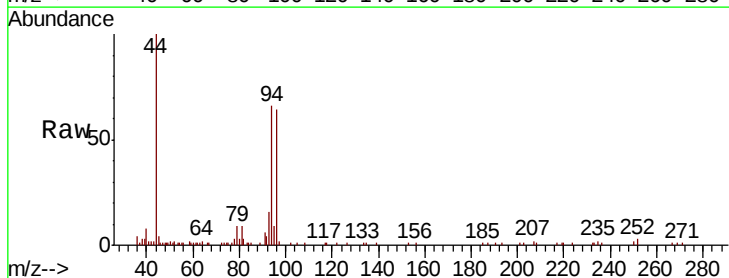
Acq: 21 Oct 2019 15:35

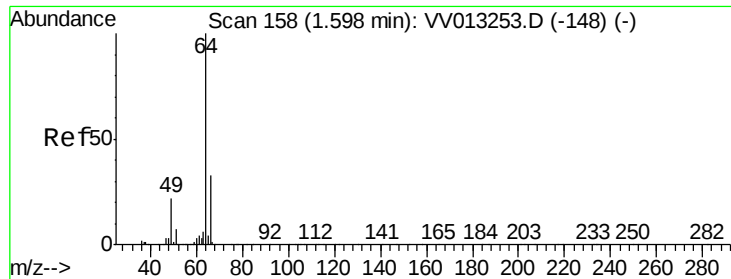
Tgt Ion: 94 Resp: 13541

Ion Ratio Lower Upper

94 100

96 97.9 66.2 123.0





#8

Chloroethane

Concen: 0.451 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.01 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

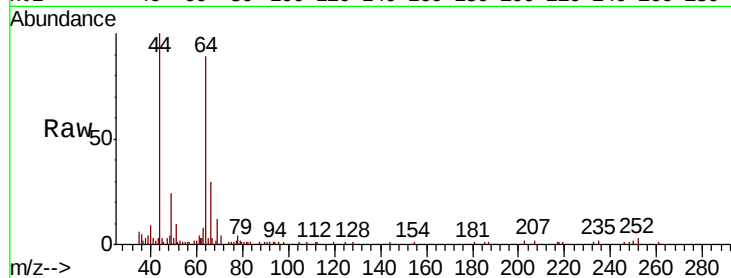
VSTD0.531

Tot Ion: 64 Resp: 14481

Ion Ratio Lower Upper

64 100

66 33.4 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.60

15000

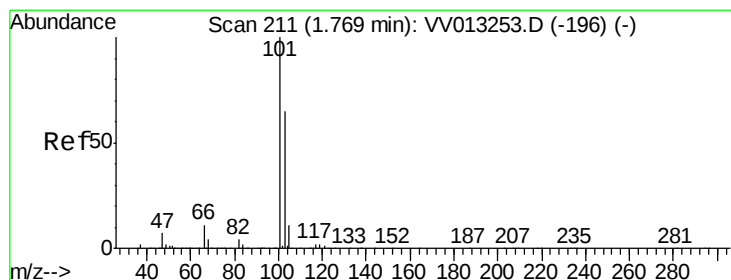
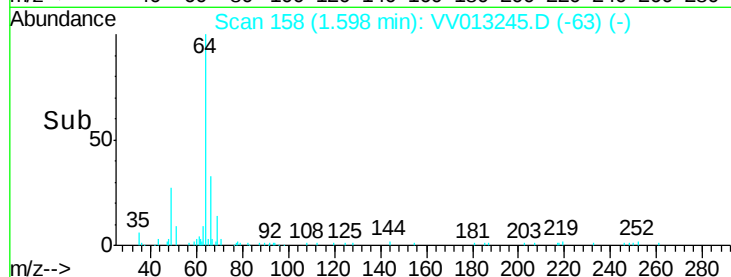
10000

5000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 0.427 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.01 min

Lab File: VV013245.D

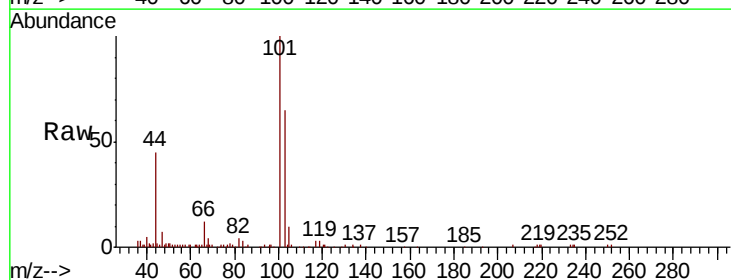
Acq: 21 Oct 2019 15:35

Tgt Ion: 101 Resp: 33867

Ion Ratio Lower Upper

101 100

103 67.9 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1.77

30000

25000

20000

15000

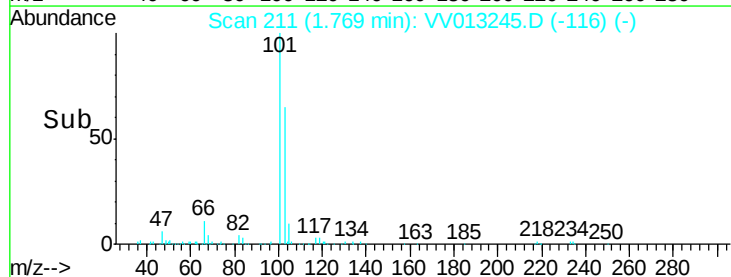
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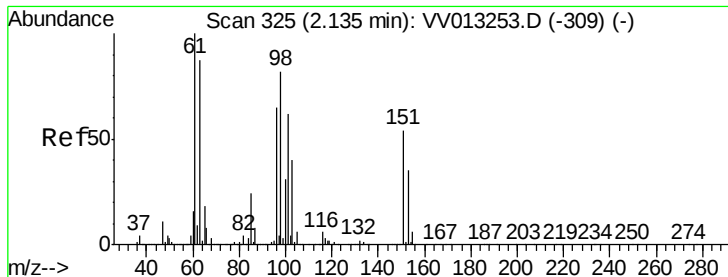
5000

0

Time-->

1.75 1.80





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.454 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

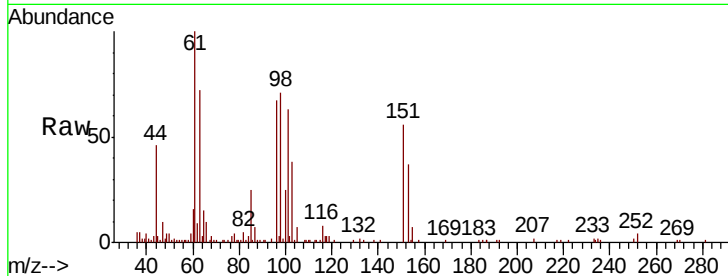
Tot Ion:101 Resp: 20548

Ion Ratio Lower Upper

101 100

85 43.4 31.8 47.8

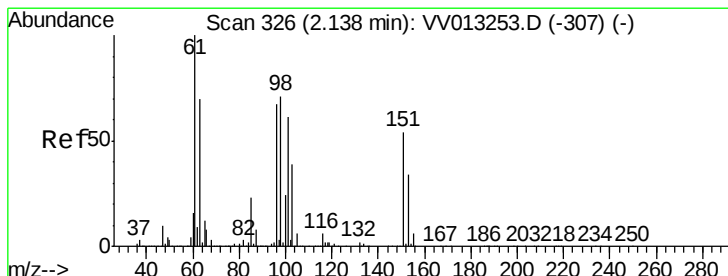
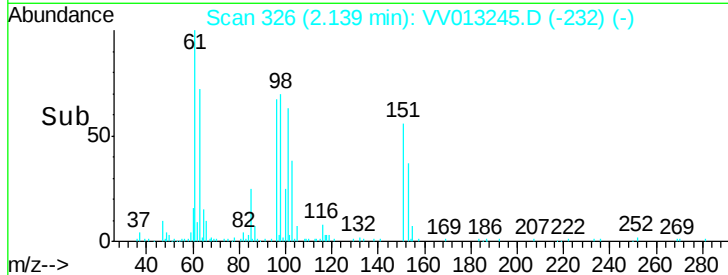
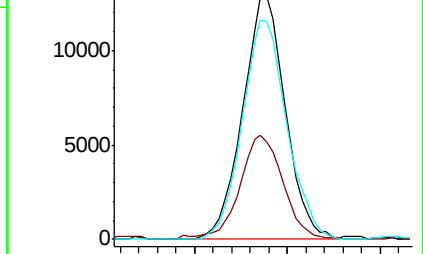
151 94.1 72.9 109.3



Abundance Ion 101.00 (100.70 to 101.70): VV013245.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV013245.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013245.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 0.464 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

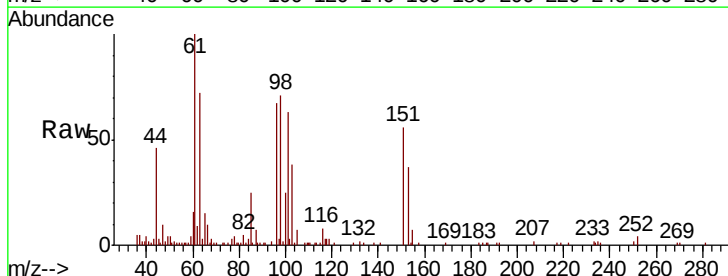
Tgt Ion: 96 Resp: 20052

Ion Ratio Lower Upper

96 100

61 150.0 104.0 193.1

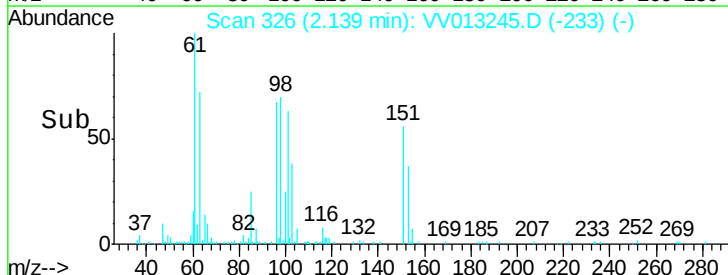
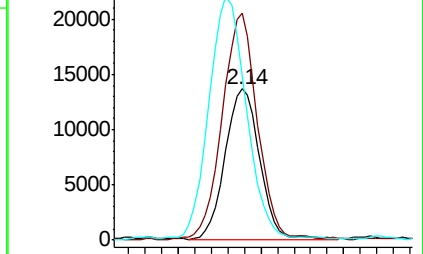
63 108.5 67.1 124.5

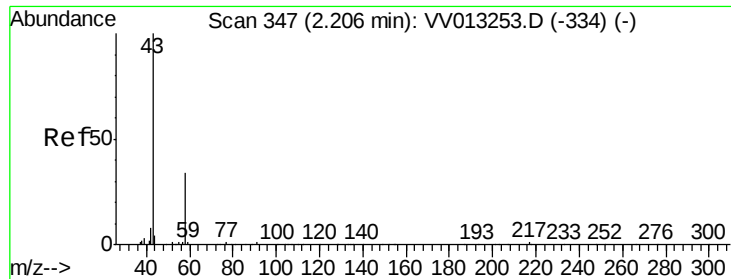


Abundance Ion 96.00 (95.70 to 96.70): VV013245.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV013245.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013245.D (-233) (-)





#13

Acetone

Concen: 3.081 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.04 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

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ClientSampleId :

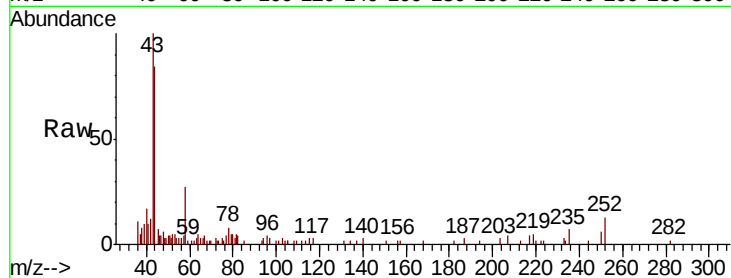
VSTD0.531

Tot Ion: 43 Resp: 16107

Ion Ratio Lower Upper

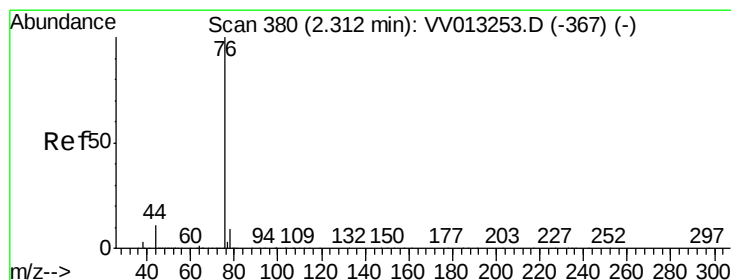
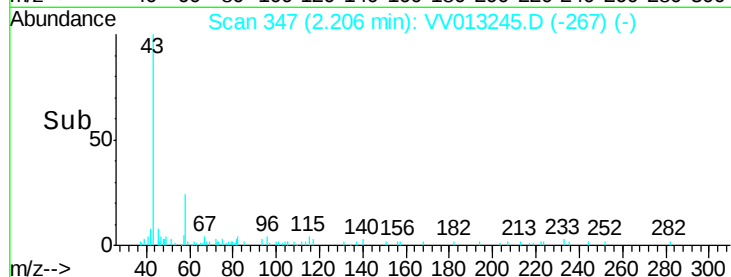
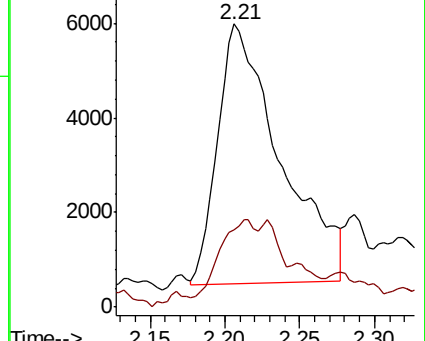
43 100

58 17.2 0.0 26.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.448 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013245.D

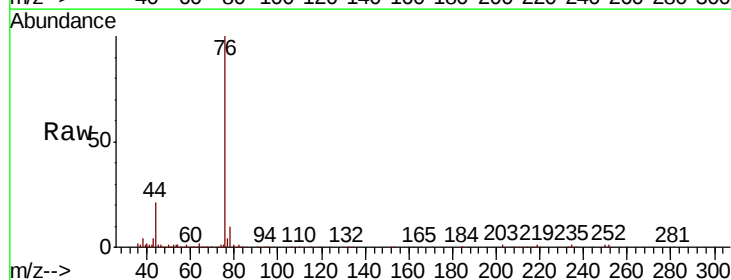
Acq: 21 Oct 2019 15:35

Tgt Ion: 76 Resp: 55097

Ion Ratio Lower Upper

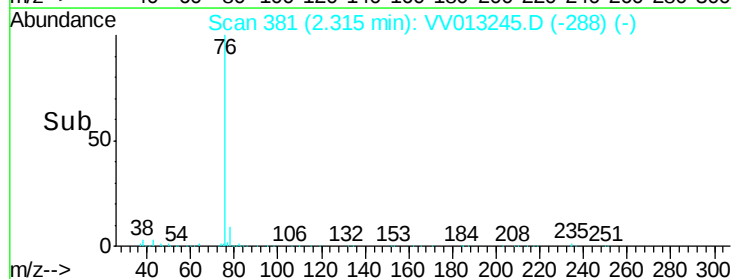
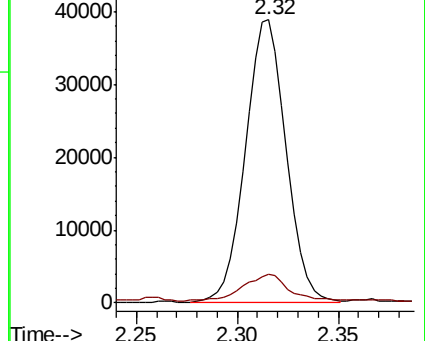
76 100

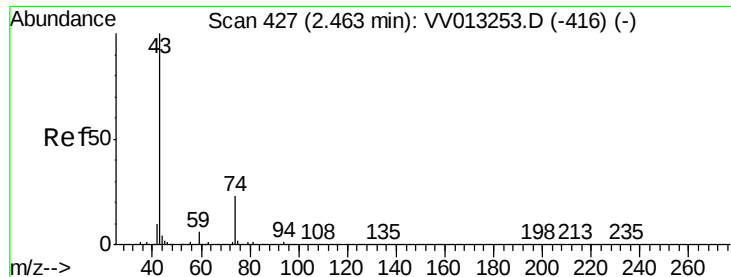
78 10.0 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

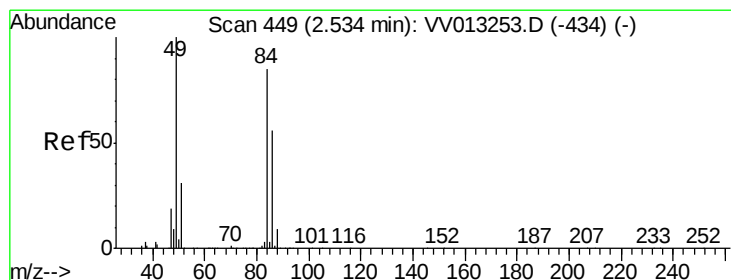
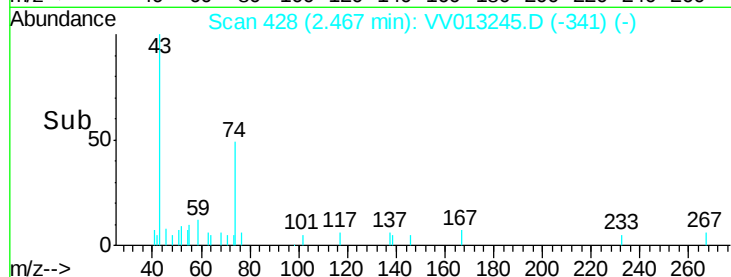
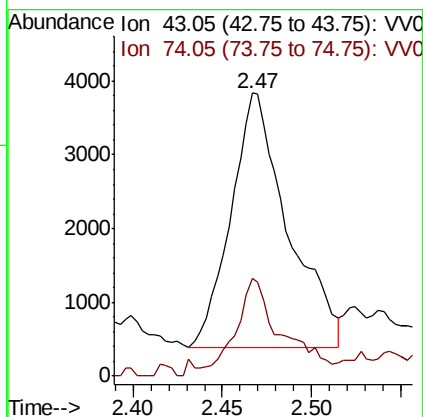
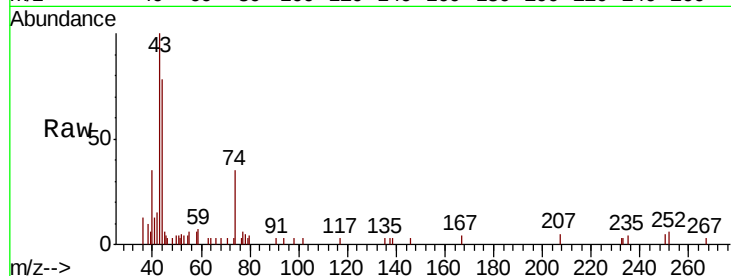




#15
Methyl Acetate
Concen: 0.630 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.02 min
Lab File: VV013245.D
Acq: 21 Oct 2019 15:35

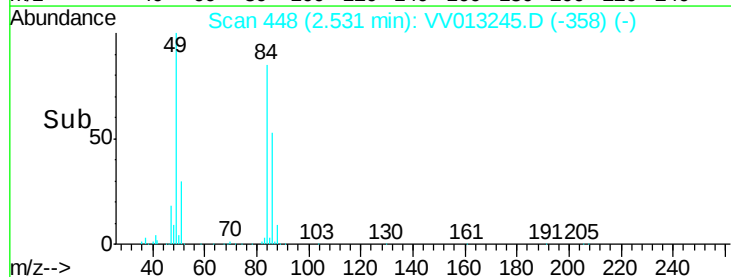
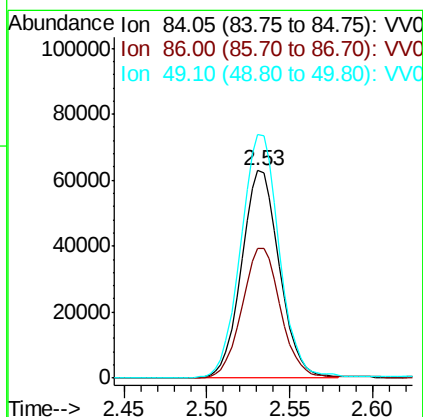
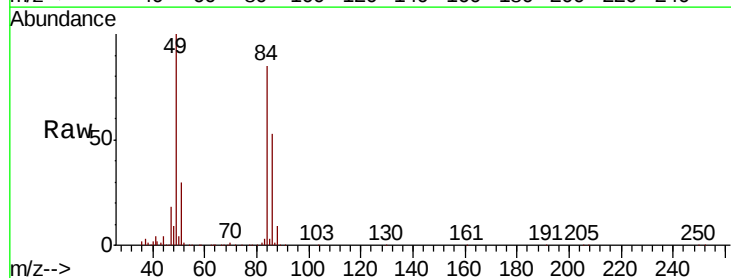
Instrument :
MSVOA_V
ClientSampled :
VSTD0.531

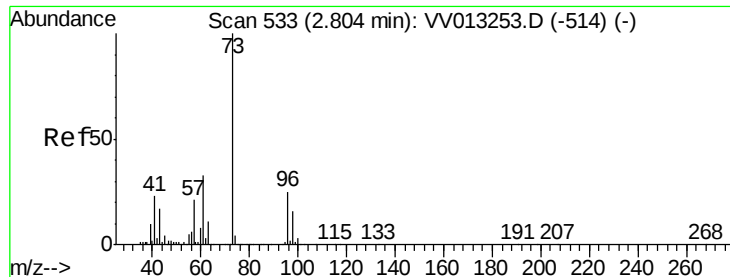
Tot Ion: 43 Resp: 7675
Ion Ratio Lower Upper
43 100
74 31.4 20.4 30.6#



#16
Methylene chloride
Concen: 1.897 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.01 min
Lab File: VV013245.D
Acq: 21 Oct 2019 15:35

Tgt Ion: 84 Resp: 100155
Ion Ratio Lower Upper
84 100
86 62.4 46.2 85.8
49 117.3 76.4 141.8

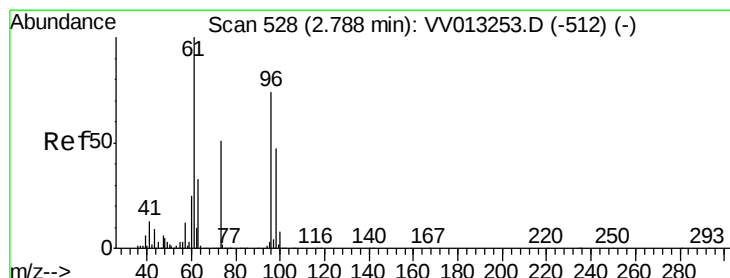
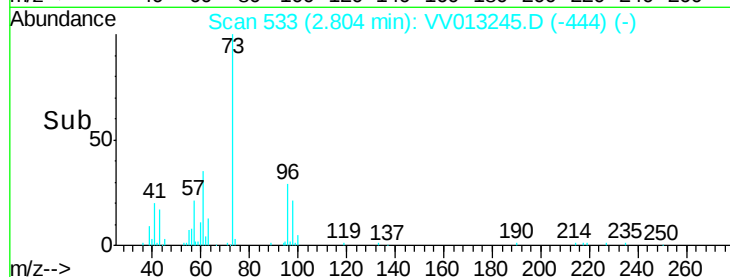
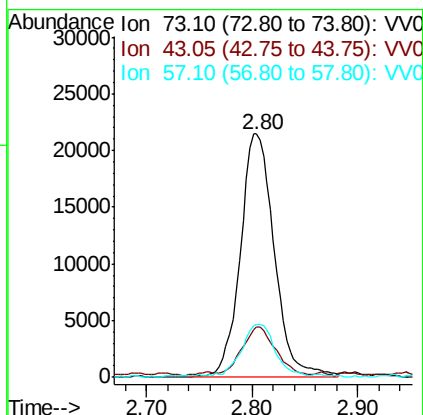
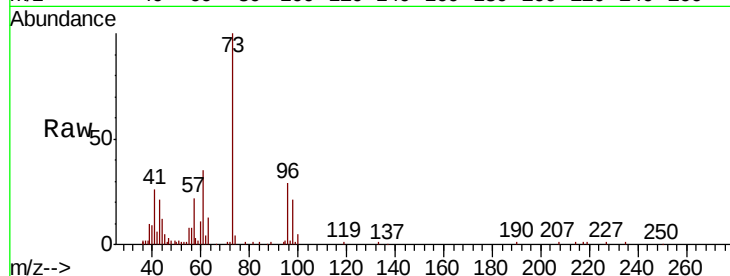




#17
Methvl tert-butvl Ether
Concen: 0.434 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.01 min
Lab File: VV013245.D
Acq: 21 Oct 2019 15:35

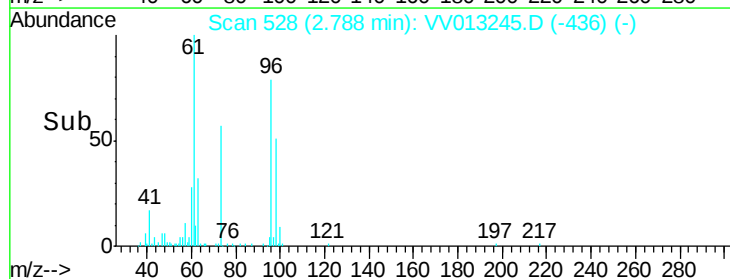
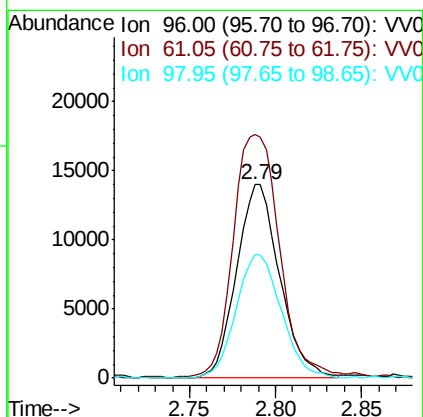
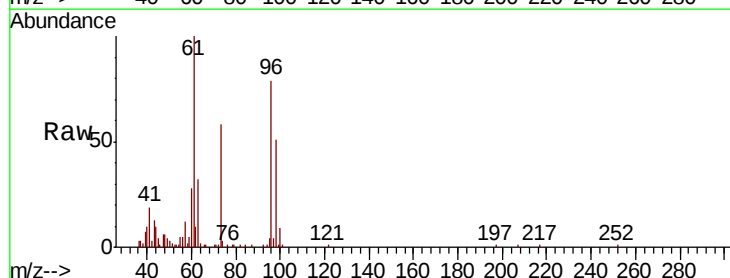
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

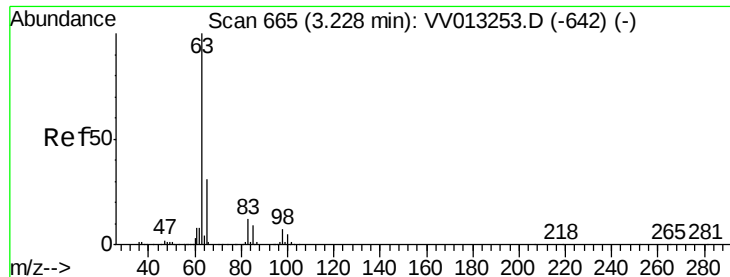
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.8	13.1	19.7
57	19.8	16.4	24.6



#18
trans-1,2-Dichloroethene
Concen: 0.448 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV013245.D
Acq: 21 Oct 2019 15:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.0	84.4	156.8
98	63.6	44.4	82.4

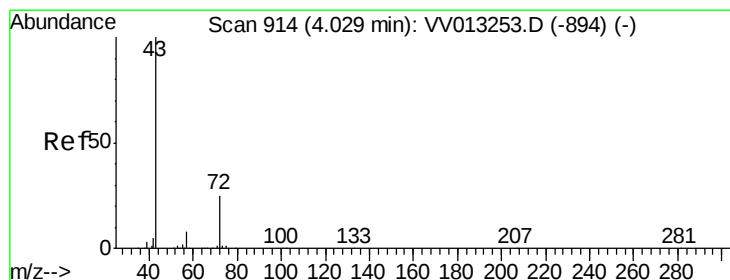
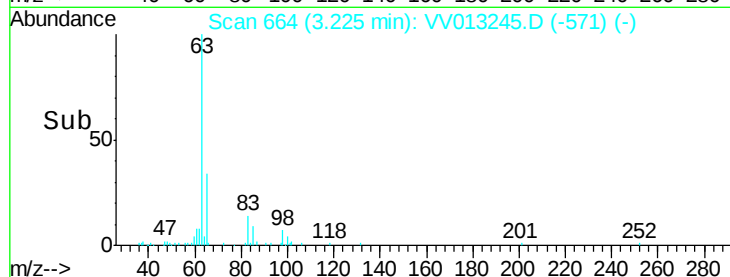
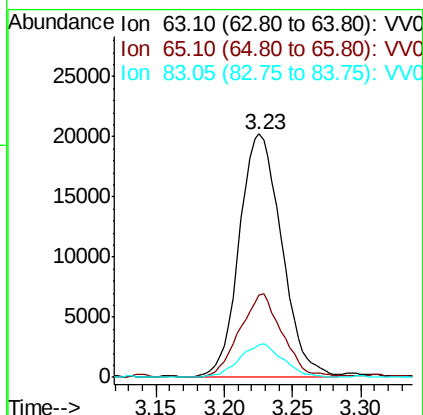
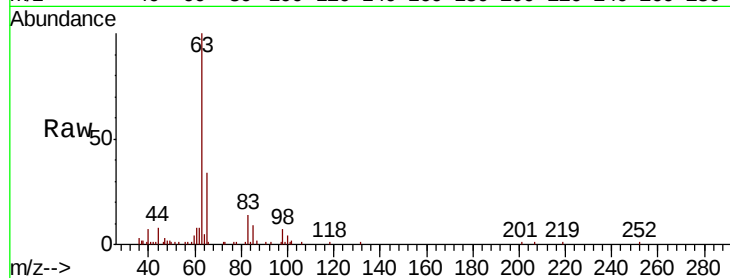




#19
 1,1-Dichloroethane
 Concen: 0.453 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

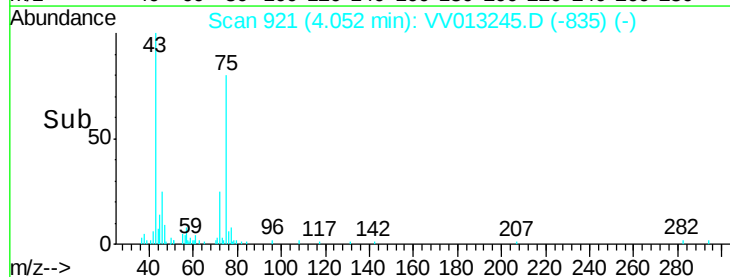
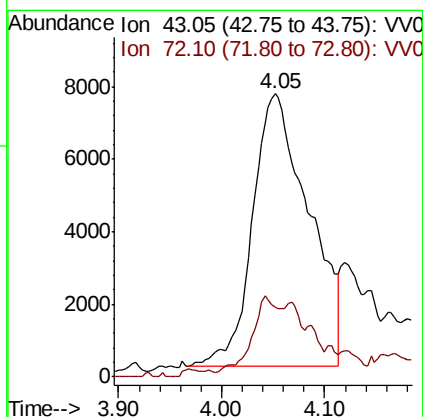
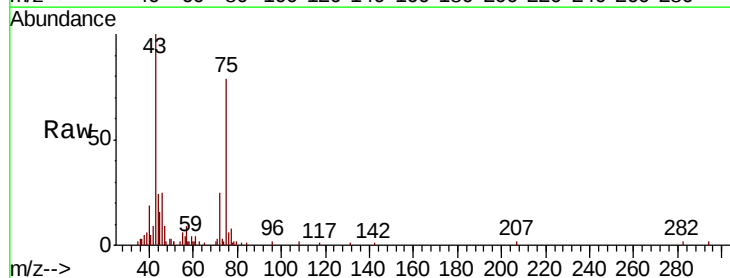
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

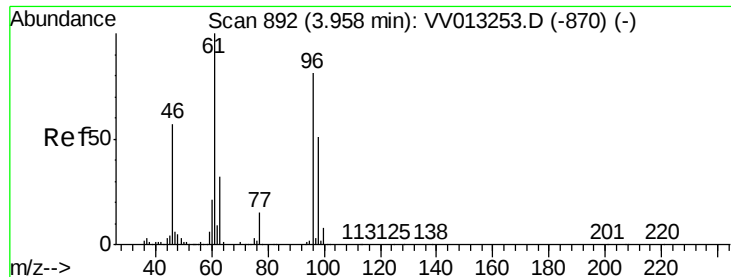
Tot Ion:	63	Resp:	43747
Ion	Ratio	Lower	Upper
63	100		
65	33.9	23.0	42.8
83	13.5	10.2	19.0



#21
 2-Butanone
 Concen: 2.378 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. -0.02 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

Tgt Ion:	43	Resp:	28543
Ion	Ratio	Lower	Upper
43	100		
72	13.2	13.1	39.3



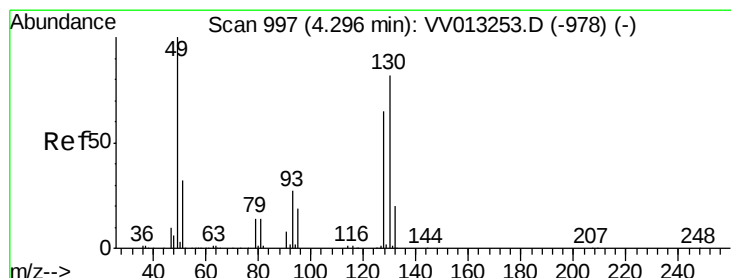
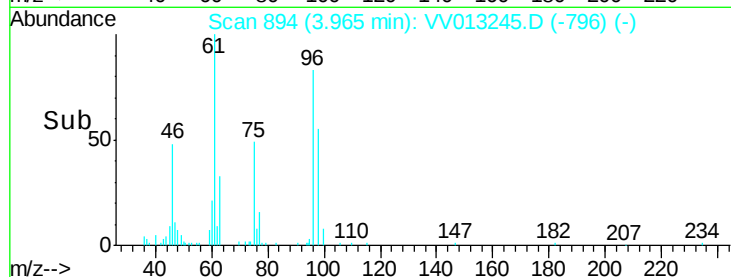
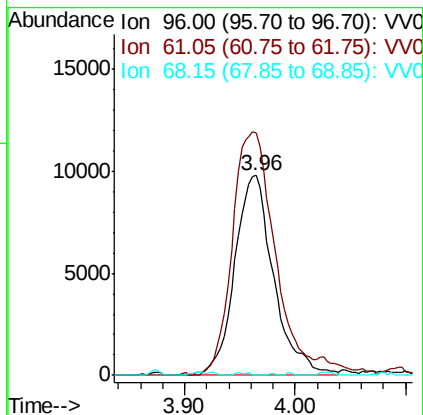
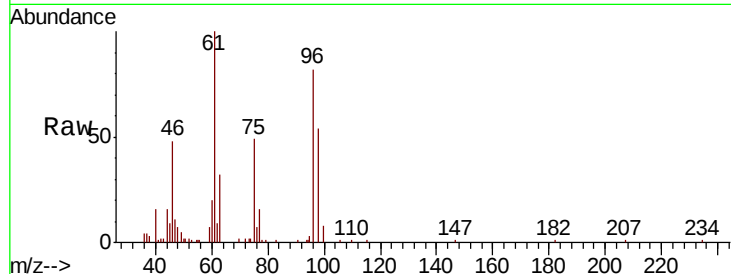


#22

cis-1,2-Dichloroethene
Concen: 0.427 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.02 min
Lab File: VV013245.D
Acq: 21 Oct 2019 15:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

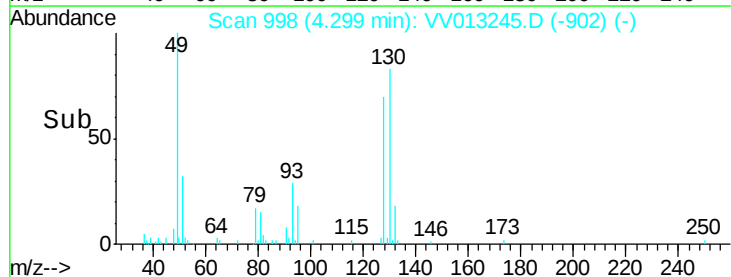
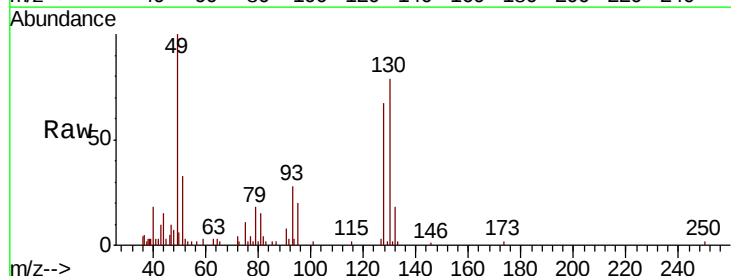
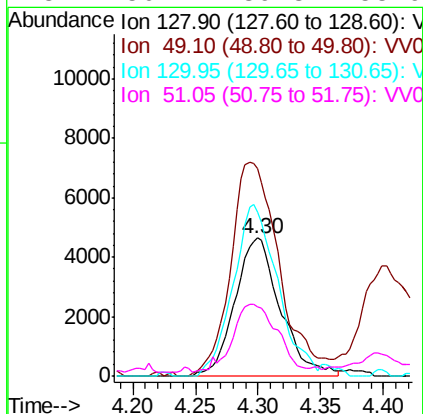
Tot Ion: 96 Resp: 23987
Ion Ratio Lower Upper
96 100
61 121.6 77.3 143.7
68 0.0 0.1 0.1#

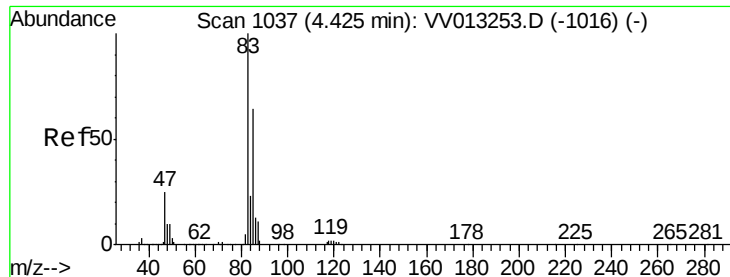


#23

Bromochloromethane
Concen: 0.447 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.01 min
Lab File: VV013245.D
Acq: 21 Oct 2019 15:35

Tgt Ion: 128 Resp: 11674
Ion Ratio Lower Upper
128 100
49 150.1 109.9 204.1
130 118.9 88.7 164.7
51 50.2 39.3 58.9

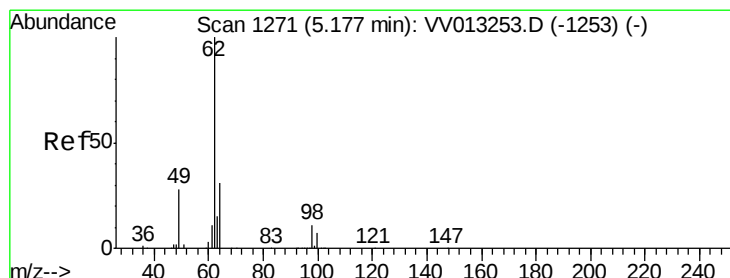
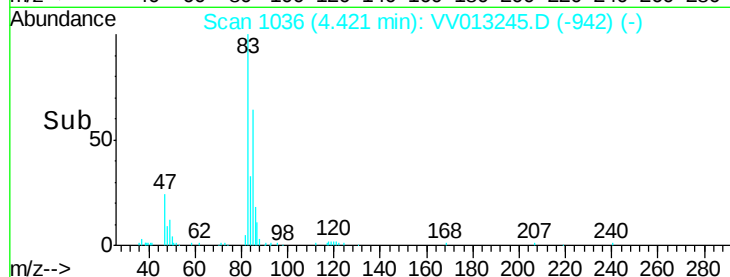
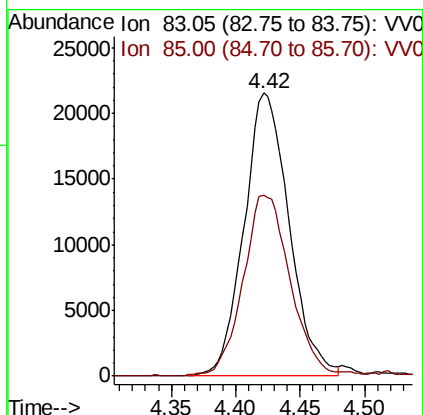
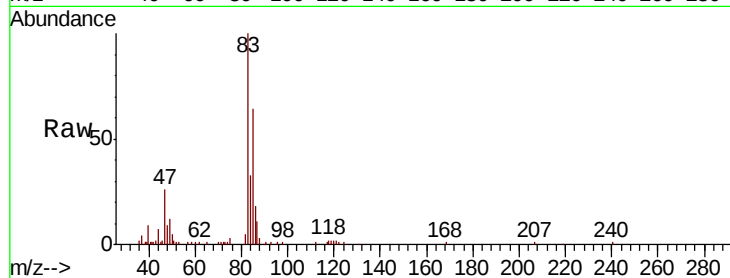




#25
Chloroform
Concen: 0.490 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013245.D
Acq: 21 Oct 2019 15:35

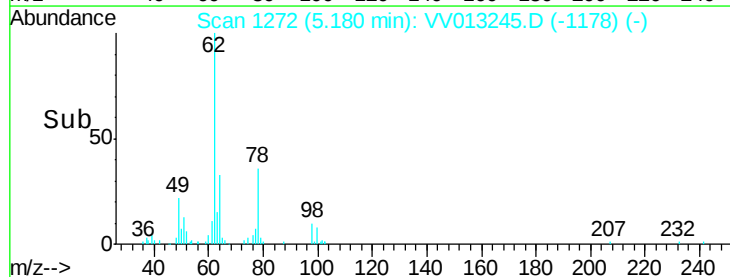
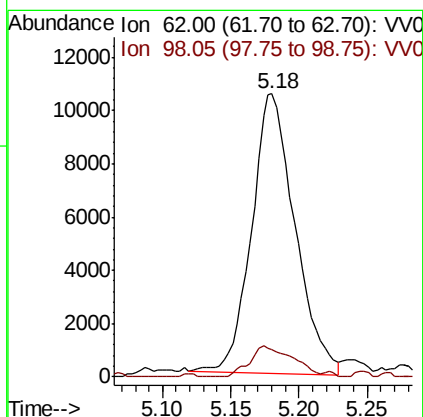
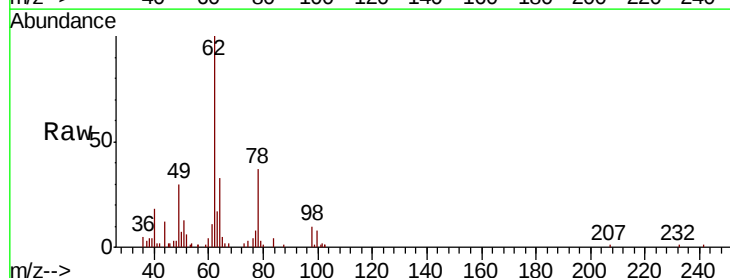
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

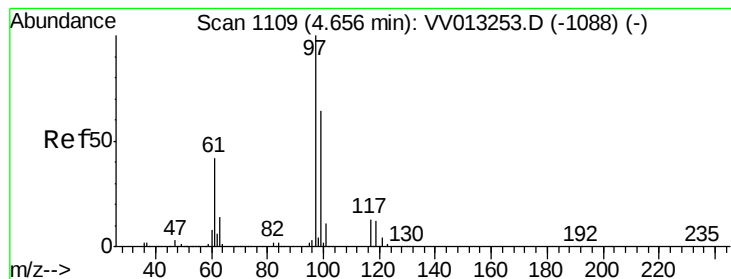
Tot Ion: 83 Resp: 52621
Ion Ratio Lower Upper
83 100
85 64.1 45.7 84.9



#27
1,2-Dichloroethane
Concen: 0.394 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV013245.D
Acq: 21 Oct 2019 15:35

Tgt Ion: 62 Resp: 23191
Ion Ratio Lower Upper
62 100
98 9.6 8.3 12.5





#29

1,1,1-Trichloroethane

Concen: 0.431 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

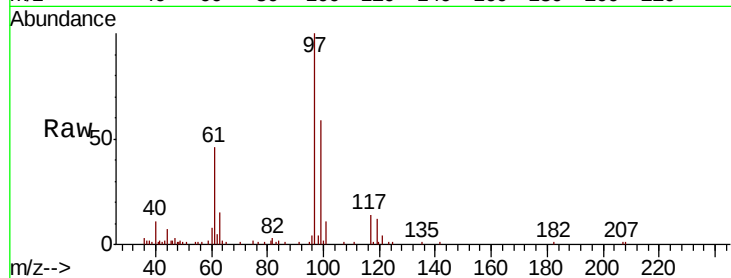
Tot Ion: 97 Resp: 37469

Ion Ratio Lower Upper

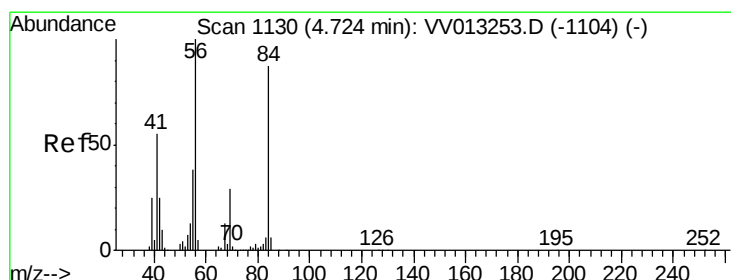
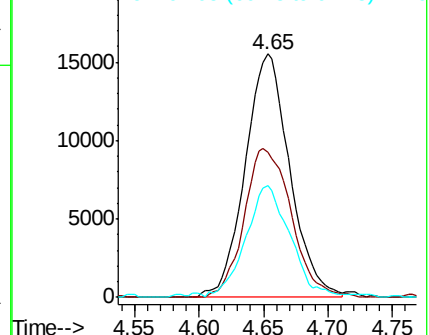
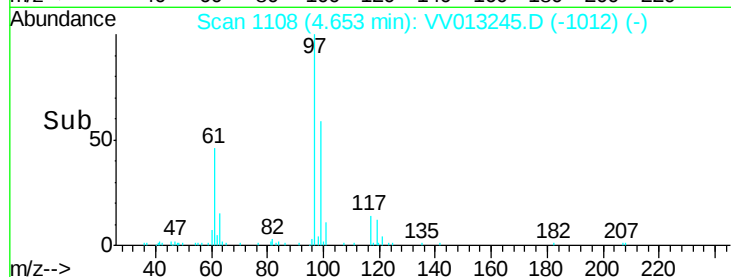
97 100

99 64.4 51.7 77.5

61 45.5 34.3 51.5



Abundance Ion 96.95 (96.65 to 97.65): VV013245.D (-1012) (-)



#30

Cyclohexane

Concen: 0.359 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.02 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

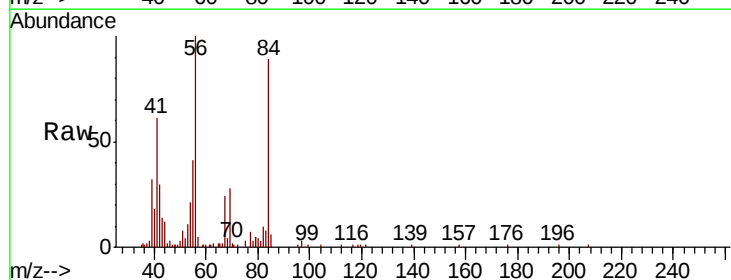
Tgt Ion: 56 Resp: 32041

Ion Ratio Lower Upper

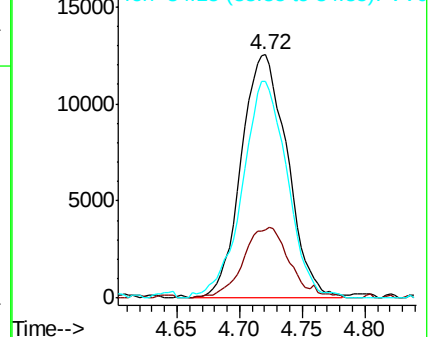
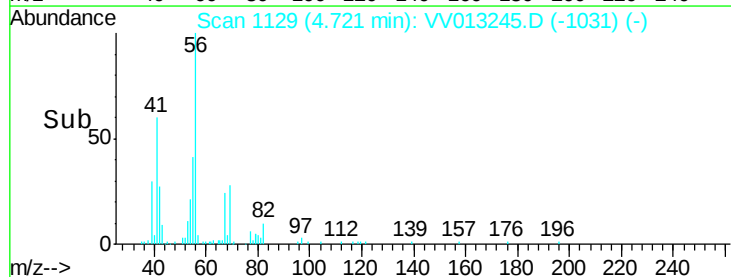
56 100

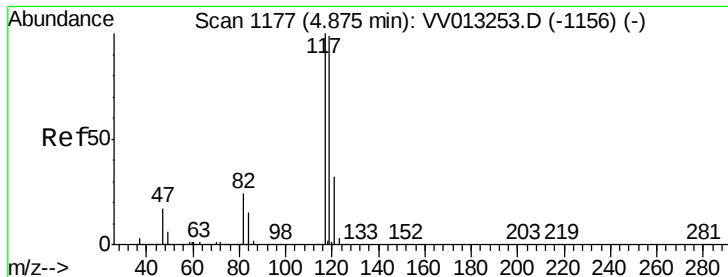
69 29.5 24.6 37.0

84 86.3 71.0 106.6



Abundance Ion 56.10 (55.80 to 56.80): VV013245.D (-1031) (-)





#31

Carbon tetrachloride

Concen: 0.436 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

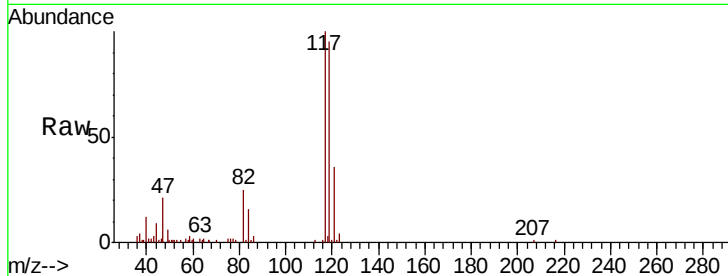
VSTD0.531

Tot Ion:117 Resp: 33537

Ion Ratio Lower Upper

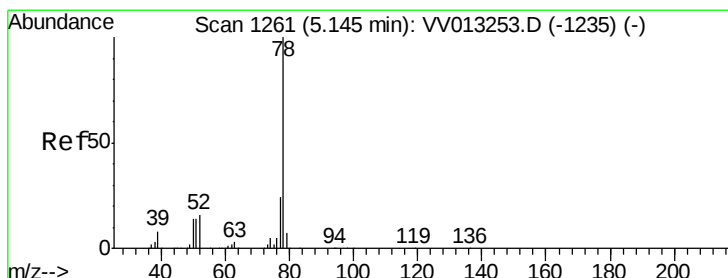
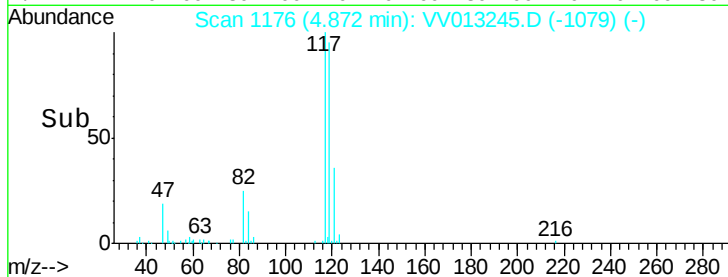
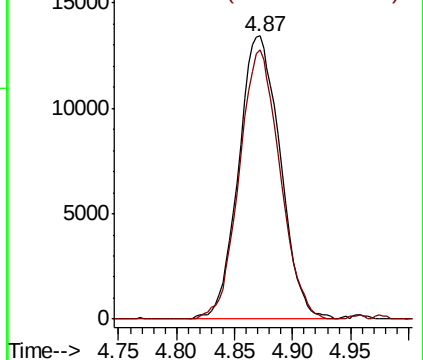
117 100

119 92.8 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.397 ug/L

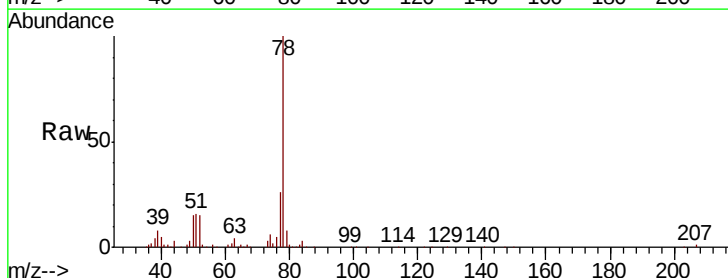
RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

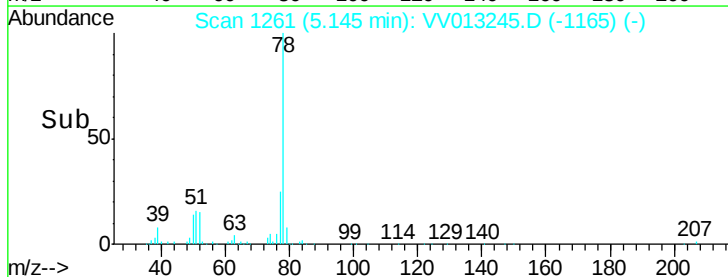
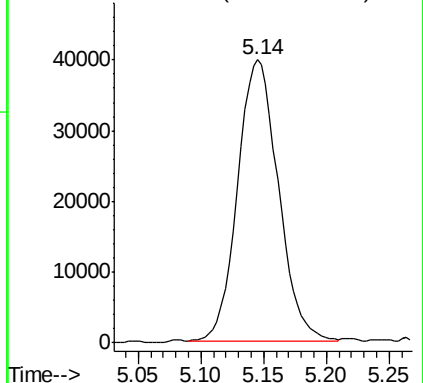
Lab File: VV013245.D

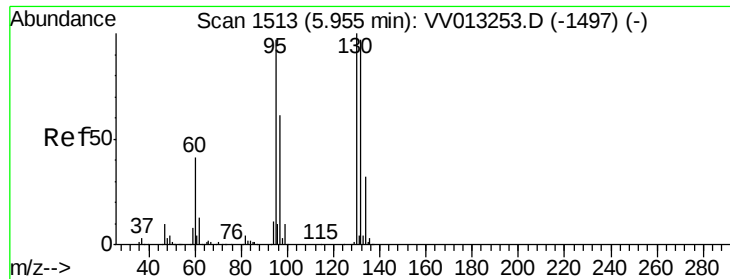
Acq: 21 Oct 2019 15:35

Tgt Ion: 78 Resp: 89625



Abundance Ion 78.10 (77.80 to 78.80): VV0

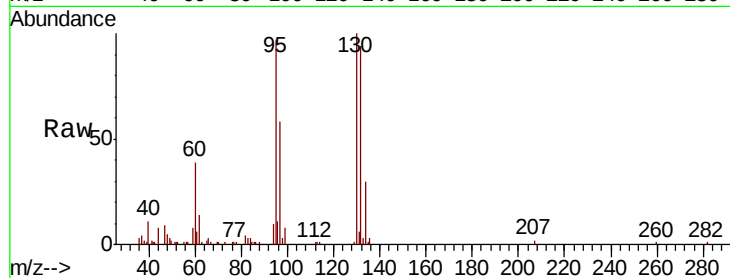




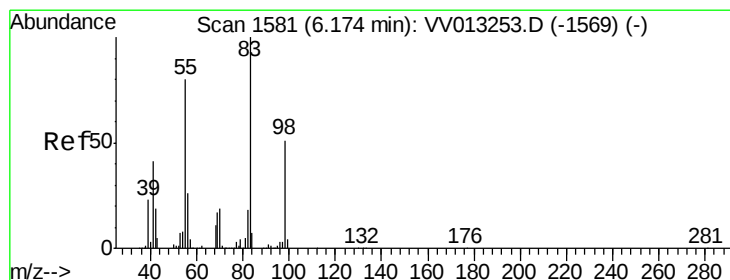
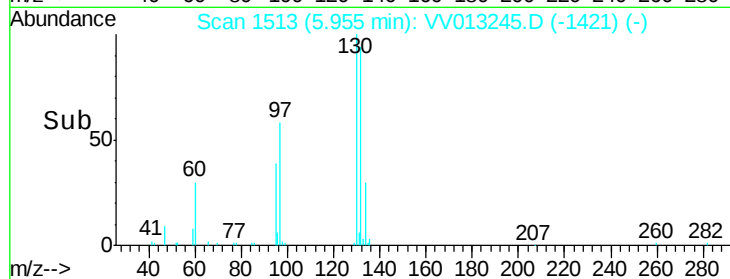
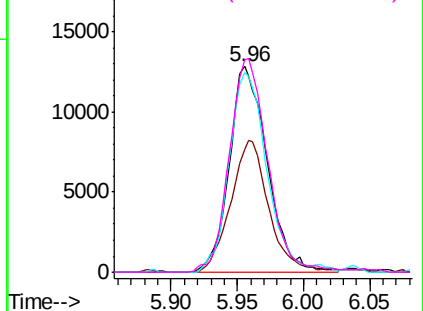
#34
 Trichloroethene
 Concen: 0.435 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tot Ion: 95 Resp: 25578
 Ion Ratio Lower Upper
 95 100
 97 59.7 45.2 84.0
 132 96.8 70.6 131.2
 130 103.1 75.5 140.3

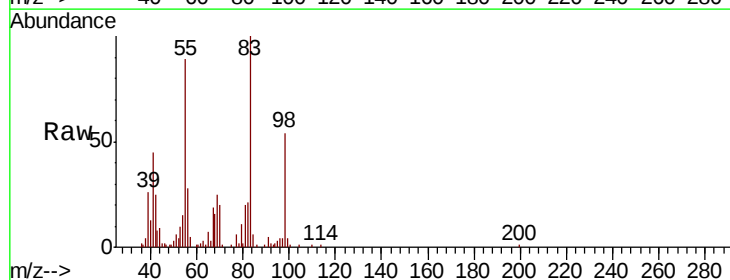


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

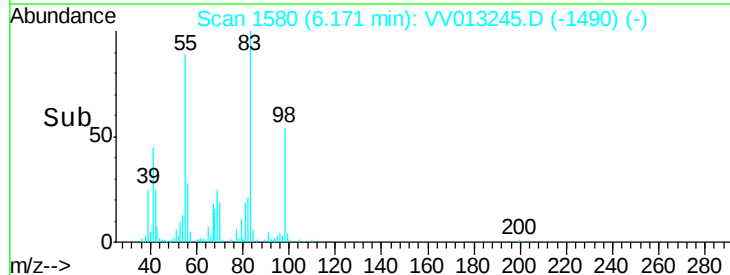
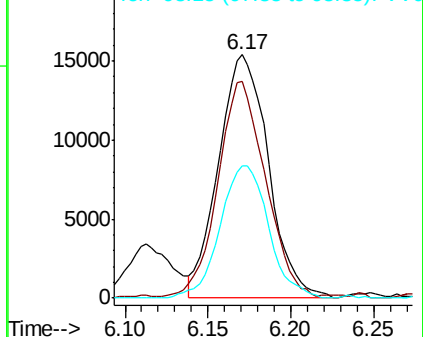


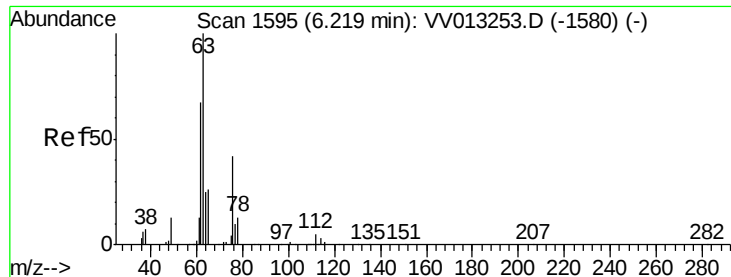
#35
 Methylcyclohexane
 Concen: 0.359 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. -0.01 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

Tgt Ion: 83 Resp: 32163
 Ion Ratio Lower Upper
 83 100
 55 83.5 62.4 93.6
 98 52.7 39.2 58.8



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.385 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

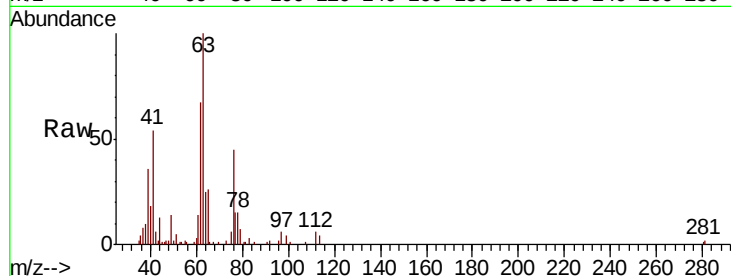
VSTD0.531

Tot Ion: 63 Resp: 21301

Ion Ratio Lower Upper

63 100

112 6.2 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV013245.D (-1580) (-)

Ion 112.10 (111.80 to 112.80): VV013245.D (-1580) (-)

6.22

12000

10000

8000

6000

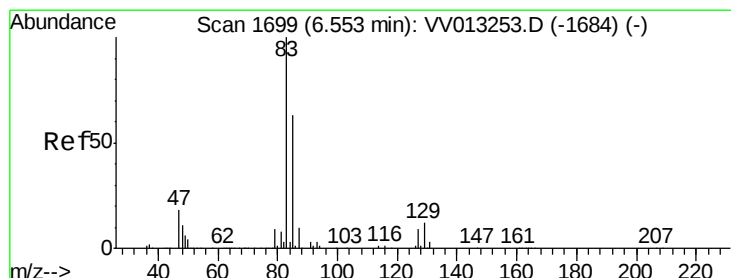
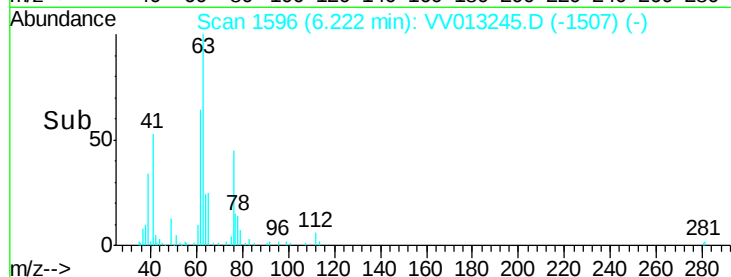
4000

2000

0

6.15 6.20 6.25 6.30

Time-->



#38

Bromodichloromethane

Concen: 0.433 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.01 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

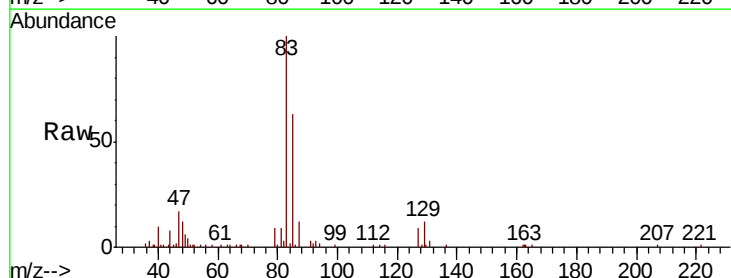
Tgt Ion: 83 Resp: 30521

Ion Ratio Lower Upper

83 100

85 63.2 44.4 82.5

127 9.0 6.6 10.0



Abundance Ion 82.95 (82.65 to 83.65): VV013245.D (-1610) (-)

Ion 85.00 (84.70 to 85.70): VV013245.D (-1610) (-)

Ion 126.90 (126.60 to 127.60): VV013245.D (-1610) (-)

6.55

20000

15000

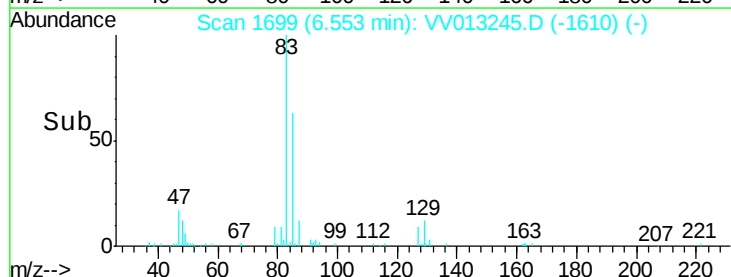
10000

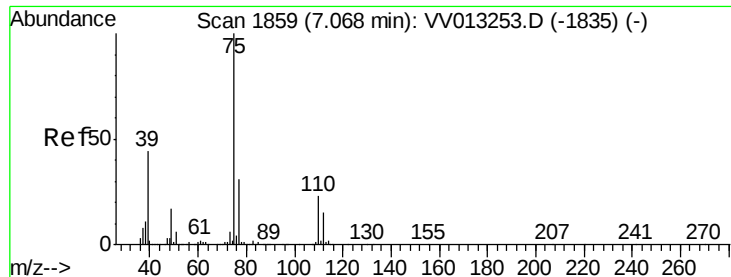
5000

0

6.50 6.55 6.60 6.65

Time-->



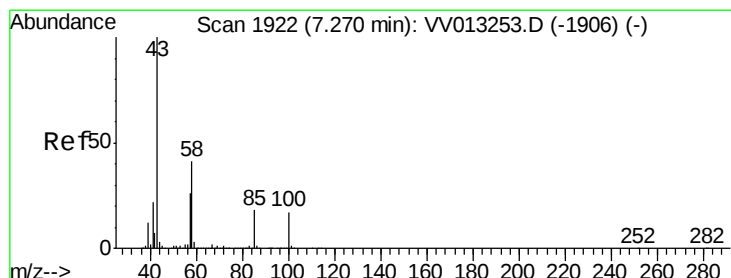
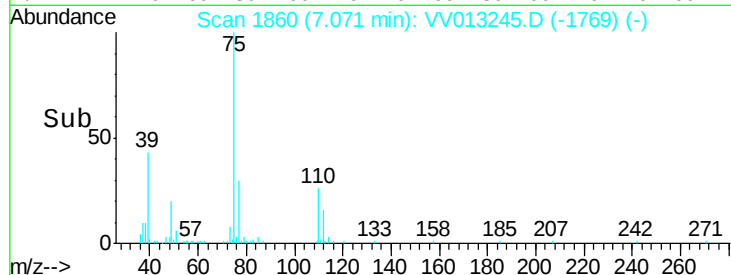
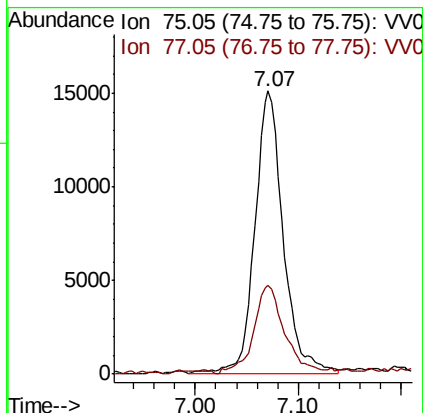
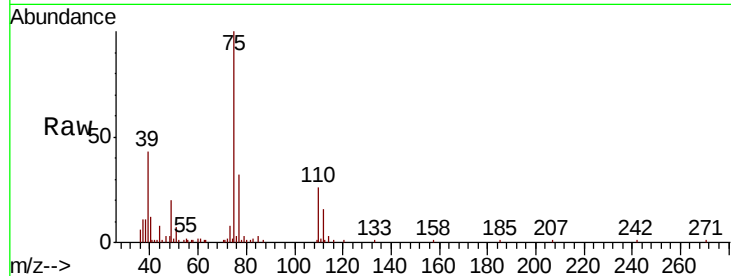


#39

cis-1,3-Dichloropropene
 Concen: 0.390 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

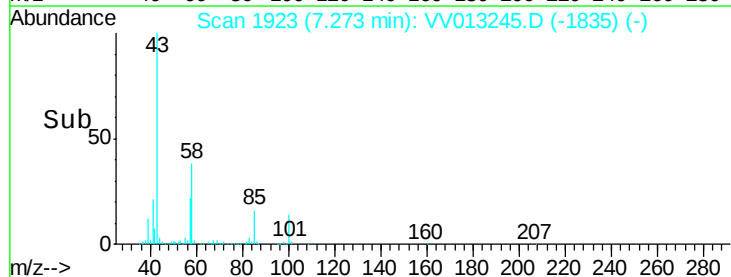
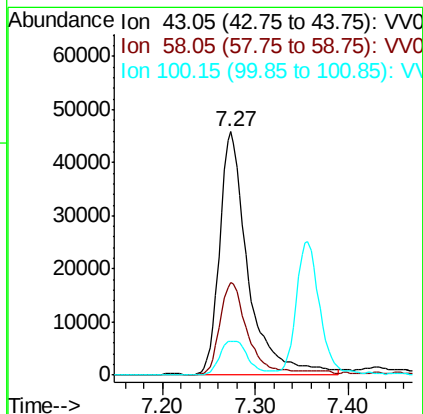
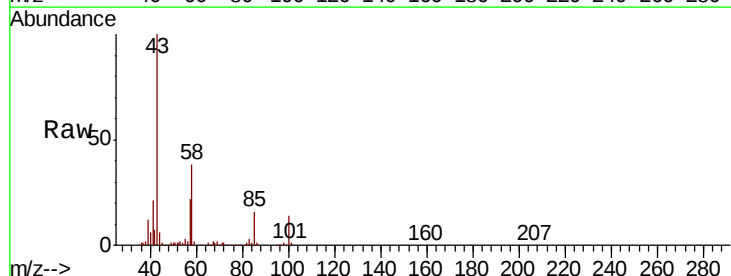
Tot Ion: 75 Resp: 28933
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.6 42.0

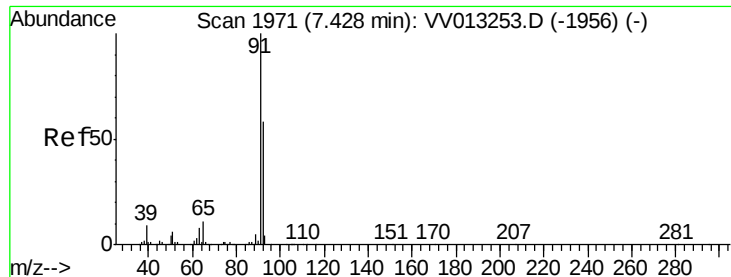


#40

4-Methyl-2-pentanone
 Concen: 3.289 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.02 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

Tgt Ion: 43 Resp: 97191
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.7 46.1
 100 14.4 12.4 18.6





#42

Toluene

Concen: 0.371 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.01 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

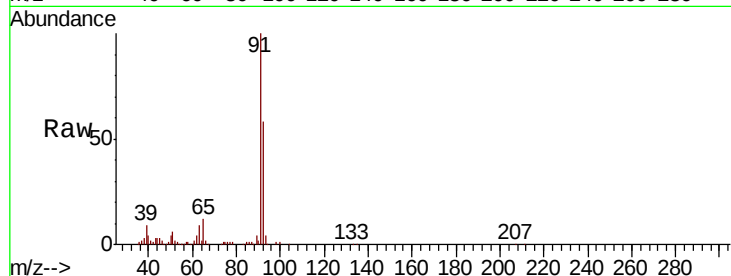
VSTD0.531

Tot Ion: 91 Resp: 86128

Ion Ratio Lower Upper

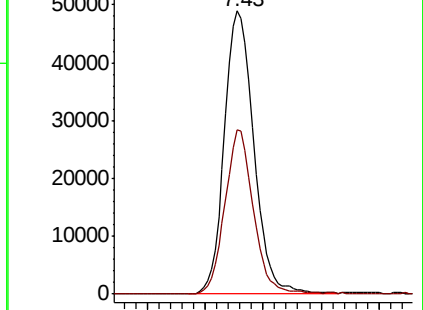
91 100

92 58.1 40.5 75.1

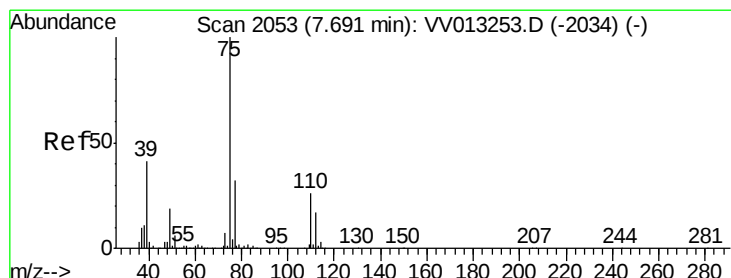
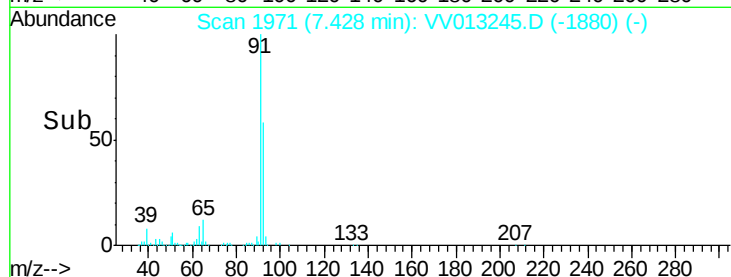


Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.406 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.01 min

Lab File: VV013245.D

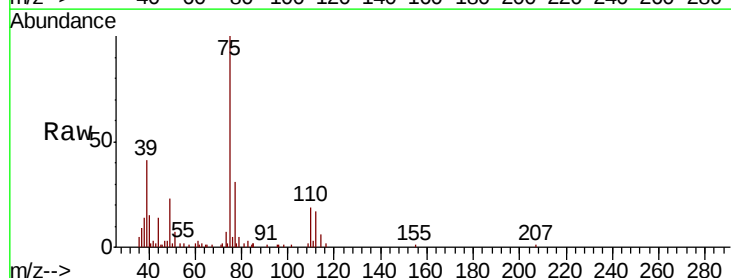
Acq: 21 Oct 2019 15:35

Tgt Ion: 75 Resp: 23103

Ion Ratio Lower Upper

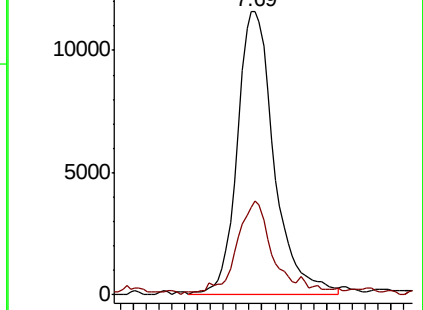
75 100

77 31.0 21.8 40.6

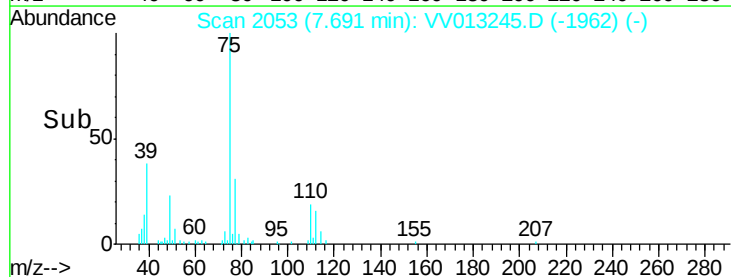


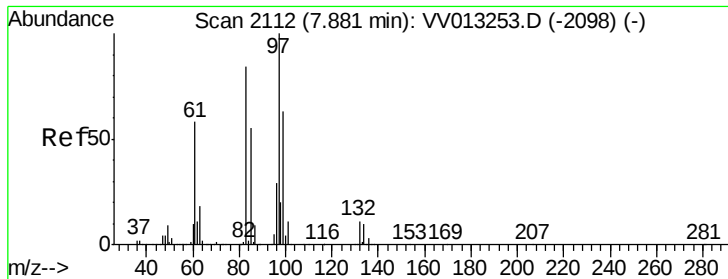
Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



Time-->

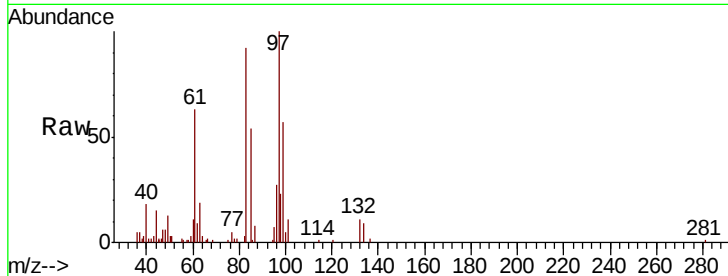




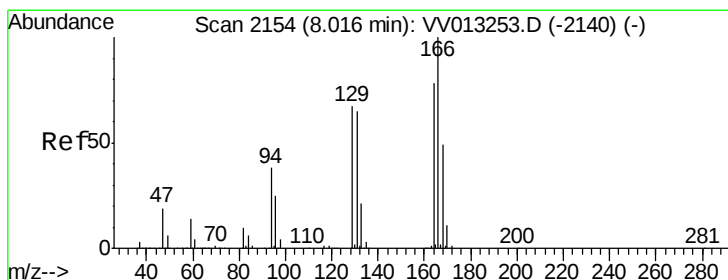
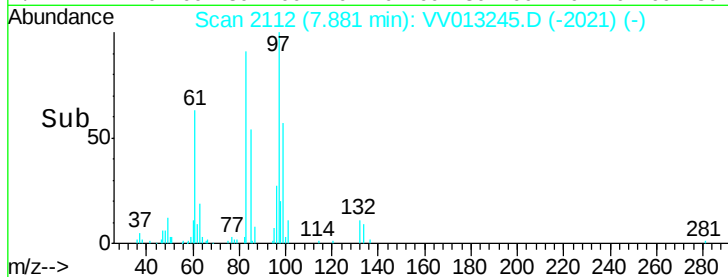
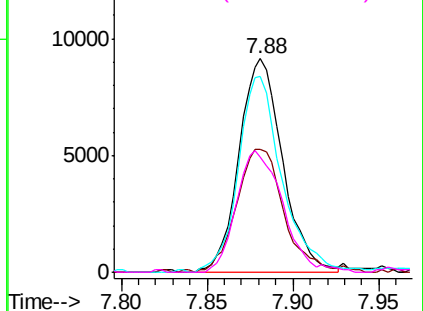
#45
 1,1,2-Trichloroethane
 Concen: 0.421 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.01 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

Tot Ion:	97	Resp:	16114
Ion	Ratio	Lower	Upper
97	100		
99	57.3	42.2	78.4
83	91.9	58.4	108.4
85	54.1	37.0	68.6

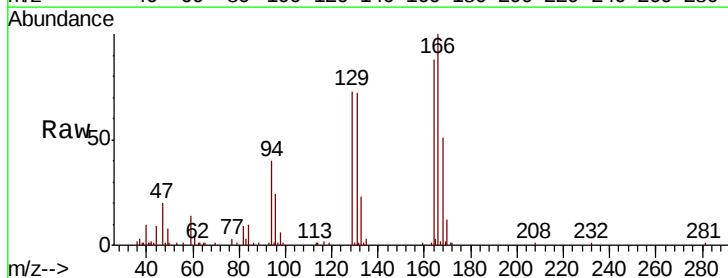


Abundance Ion 96.95 (96.65 to 97.65): VV013245.D (-2021) (-)
 Ion 99.05 (98.75 to 99.75): VV013245.D (-2021) (-)
 Ion 82.95 (82.65 to 83.65): VV013245.D (-2021) (-)
 Ion 85.00 (84.70 to 85.70): VV013245.D (-2021) (-)

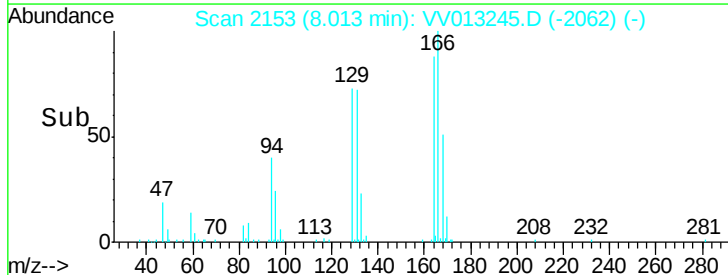
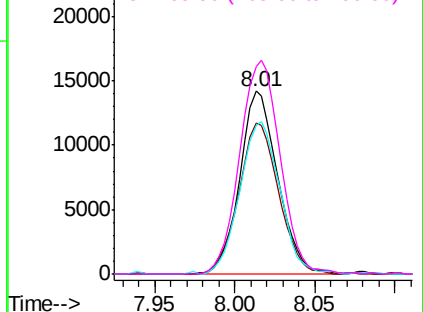


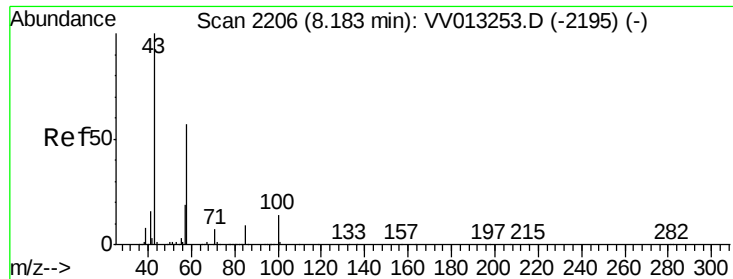
#47
 Tetrachloroethene
 Concen: 0.442 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. -0.01 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

Tgt Ion:	164	Resp:	22873
Ion	Ratio	Lower	Upper
164	100		
129	82.9	61.0	113.2
131	81.5	57.5	106.9
166	113.5	87.8	163.0



Abundance Ion 163.90 (163.60 to 164.60): VV013245.D (-2062) (-)
 Ion 128.95 (128.65 to 129.65): VV013245.D (-2062) (-)
 Ion 130.95 (130.65 to 131.65): VV013245.D (-2062) (-)
 Ion 165.90 (165.60 to 166.60): VV013245.D (-2062) (-)

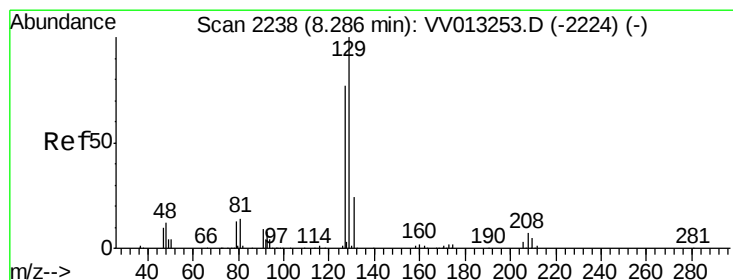
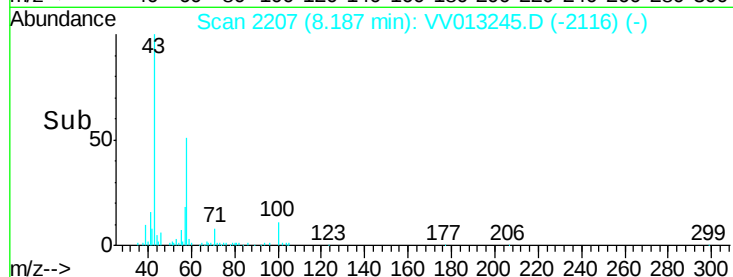
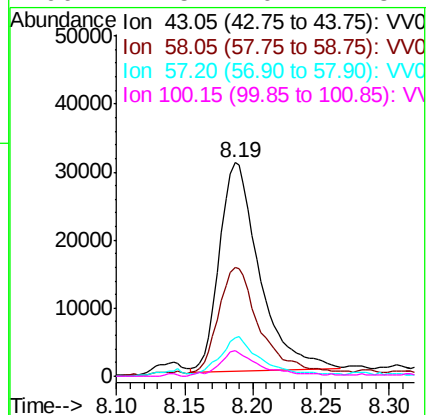
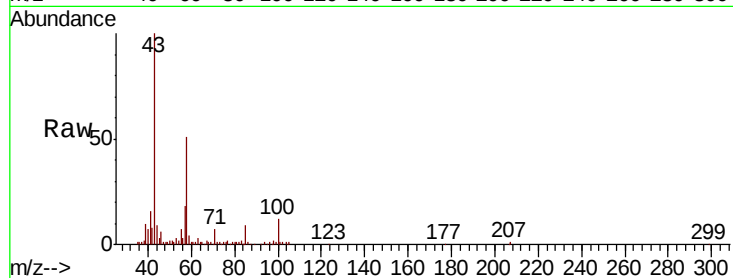




#48
2-Hexanone
Concen: 2.953 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.01 min
Lab File: VV013245.D
Acq: 21 Oct 2019 15:35

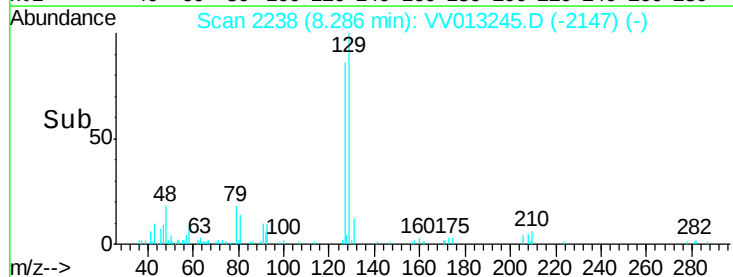
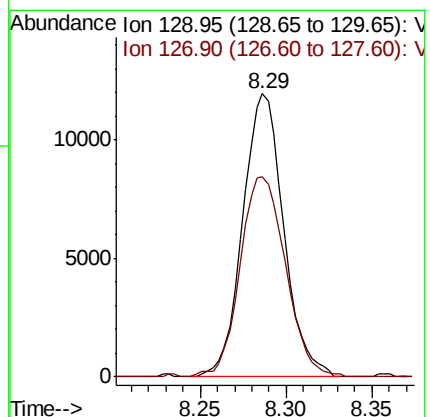
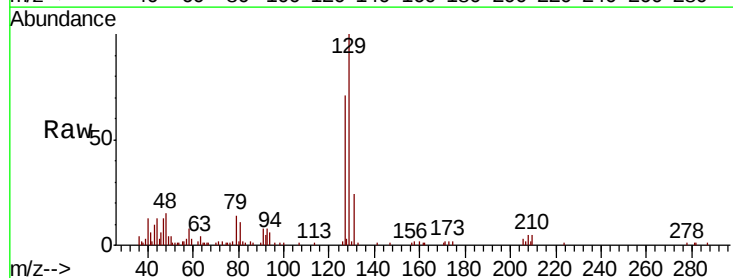
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.531

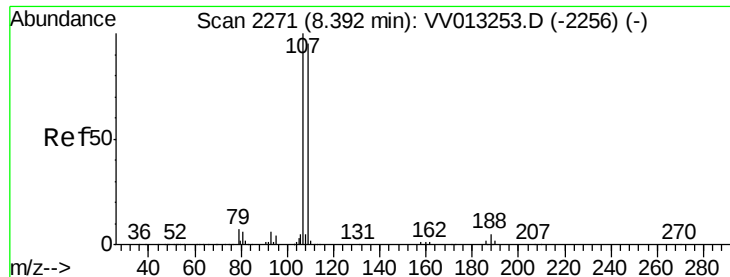
Tot Ion:	43	Resp:	63009
Ion	Ratio	Lower	Upper
43	100		
58	52.3	45.1	67.7
57	16.3	15.5	23.3
100	12.5	10.2	15.2



#49
Dibromochloromethane
Concen: 0.432 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.01 min
Lab File: VV013245.D
Acq: 21 Oct 2019 15:35

Tgt Ion:	129	Resp:	19802
Ion	Ratio	Lower	Upper
129	100		
127	70.9	54.1	100.5

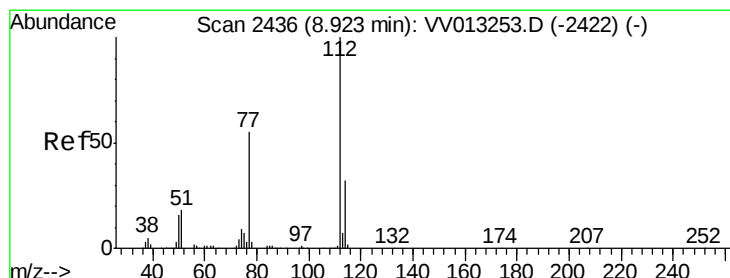
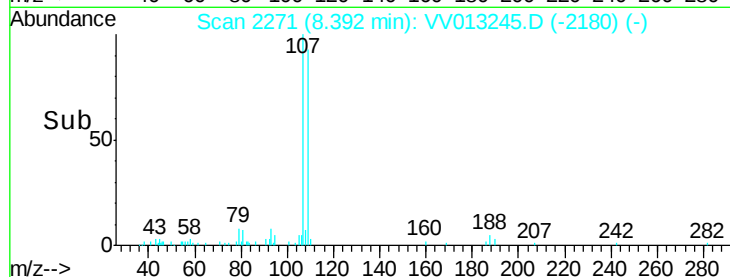
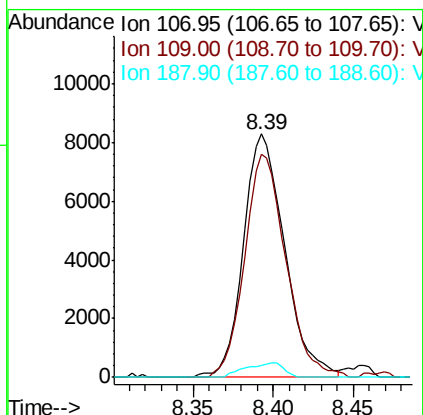
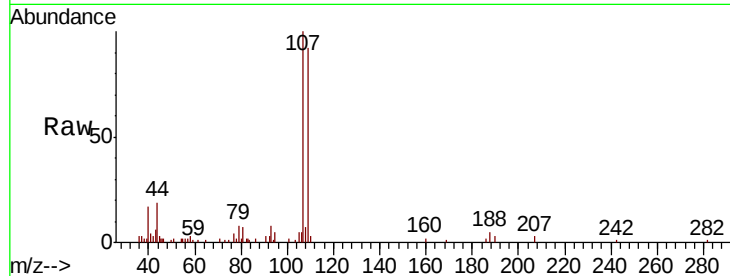




#50
 1,2-Dibromoethane
 Concen: 0.422 ug/L
 RT: 8.39 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

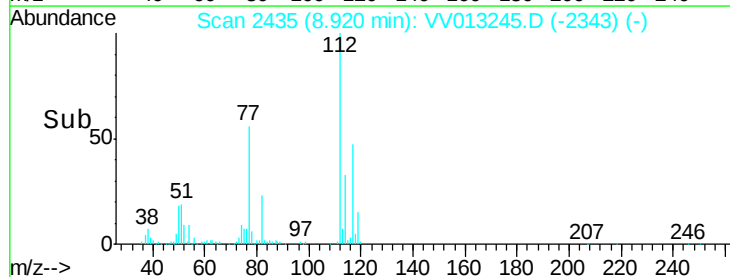
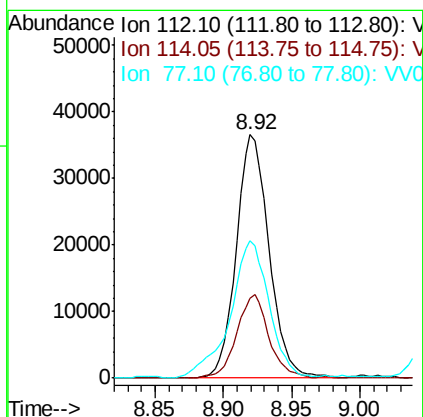
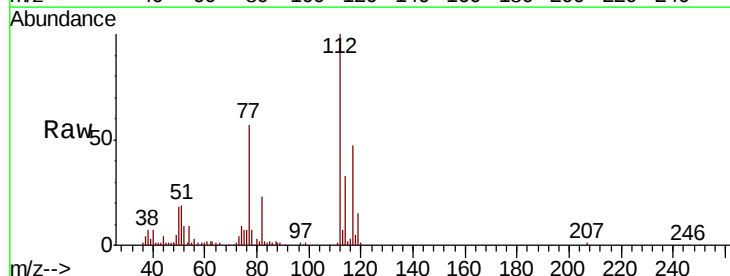
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.531

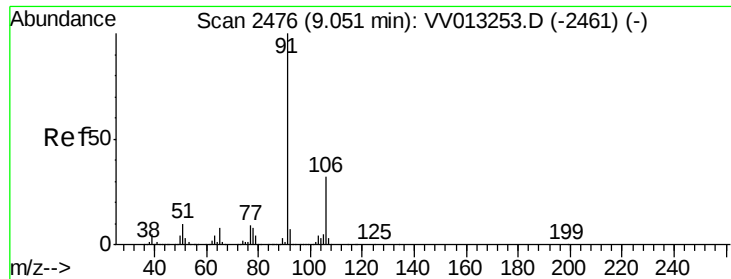
Tot Ion	107	Resp	14575
Ion Ratio	Lower	Upper	
107	100		
109	91.6	65.5	121.6
188	5.0	3.7	5.5



#51
 Chlorobenzene
 Concen: 0.406 ug/L
 RT: 8.92 min Scan# 2435
 Delta R.T. -0.00 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

Tgt Ion	112	Resp	60908
Ion Ratio	Lower	Upper	
112	100		
114	32.7	21.8	40.6
77	56.6	44.4	66.6





#52

Ethylbenzene

Concen: 0.361 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

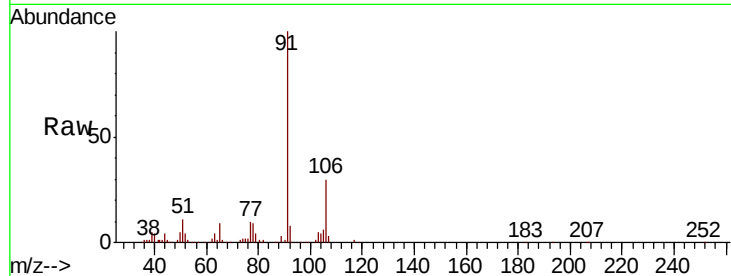
VSTD0.531

Tot Ion: 91 Resp: 87206

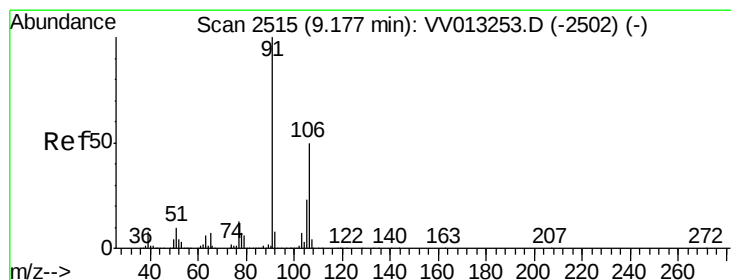
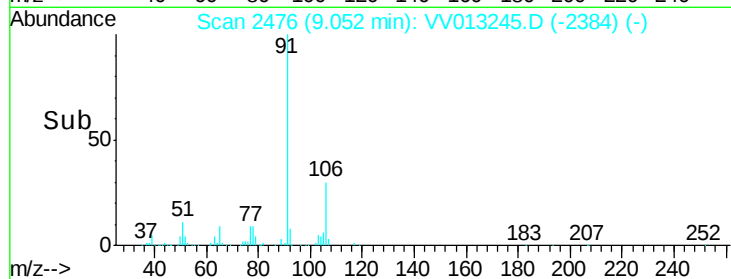
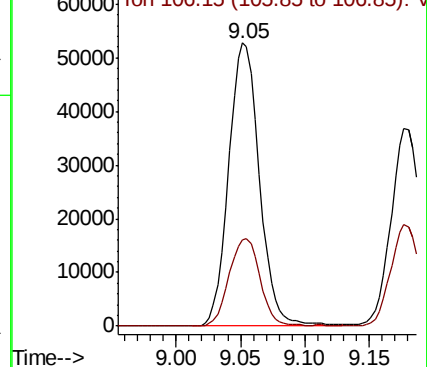
Ion Ratio Lower Upper

91 100

106 30.4 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV013245.D (-2384) (-)



#53

m,p-xylene

Concen: 0.352 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013245.D

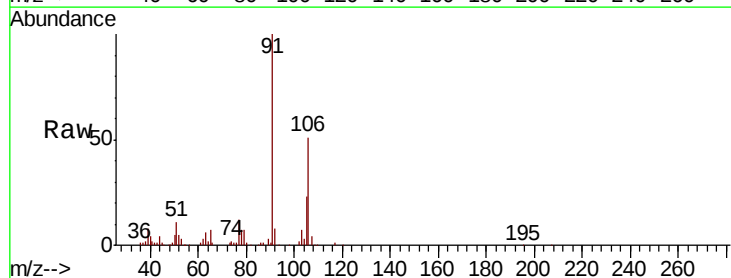
Acq: 21 Oct 2019 15:35

Tgt Ion: 106 Resp: 32164

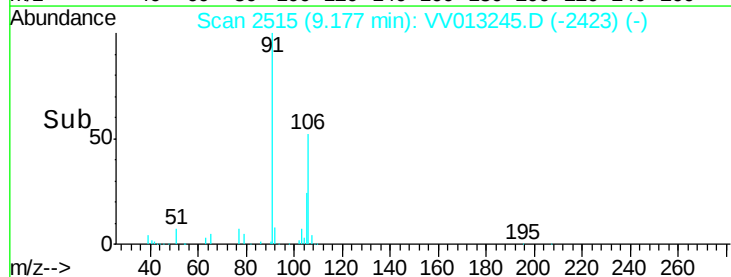
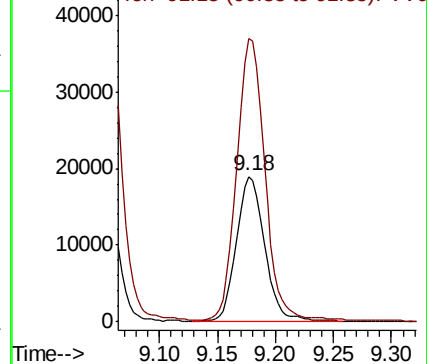
Ion Ratio Lower Upper

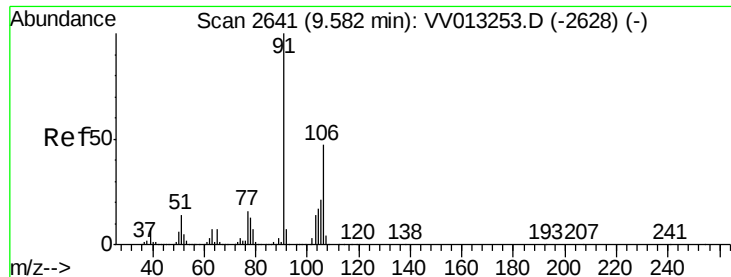
106 100

91 194.9 137.8 255.8



Abundance Ion 106.15 (105.85 to 106.85): VV013245.D (-2423) (-)





#54

o-xylene

Concen: 0.330 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

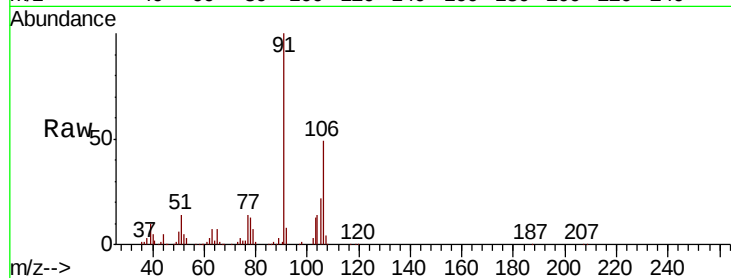
VSTD0.531

Tot Ion:106 Resp: 29111

Ion Ratio Lower Upper

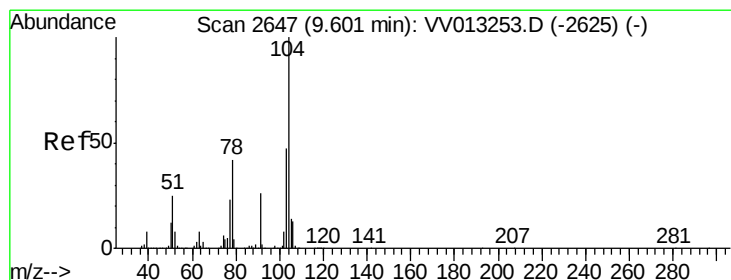
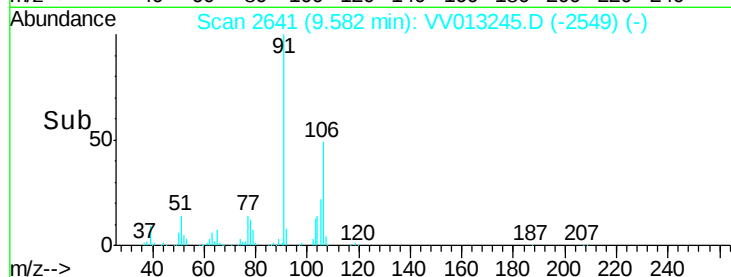
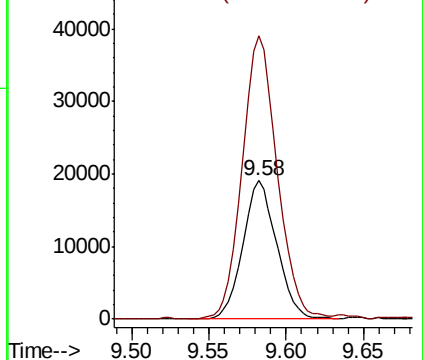
106 100

91 204.4 147.0 273.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.324 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013245.D

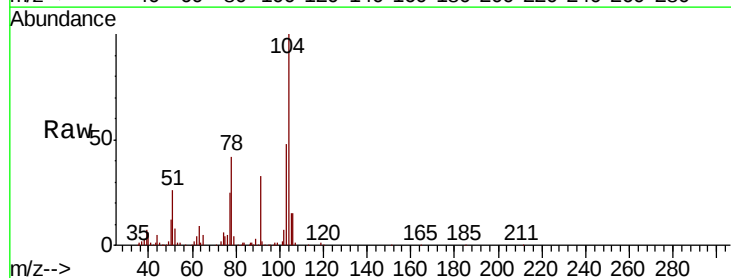
Acq: 21 Oct 2019 15:35

Tgt Ion:104 Resp: 47979

Ion Ratio Lower Upper

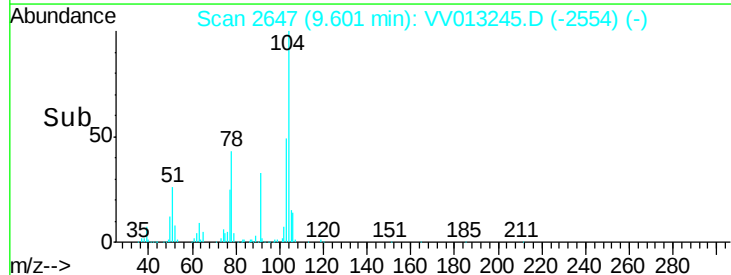
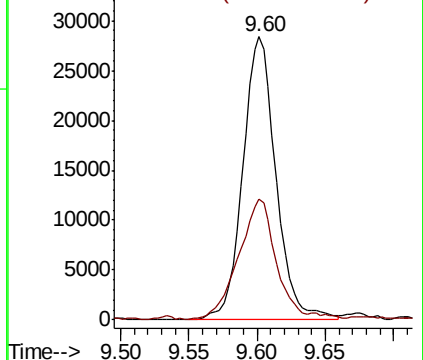
104 100

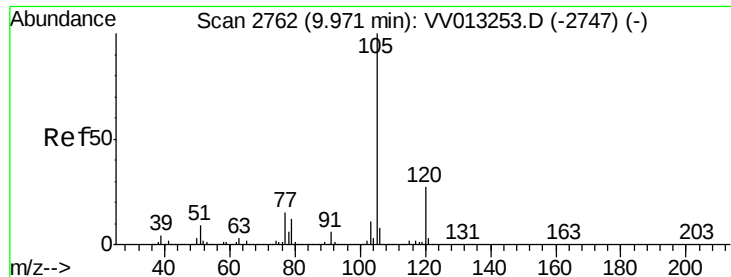
78 42.5 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.335 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

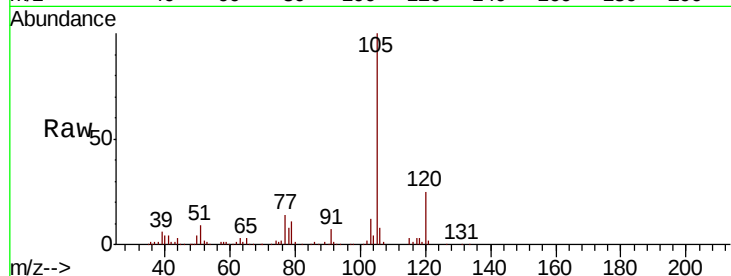
Tot Ion:105 Resp: 77941

Ion Ratio Lower Upper

105 100

120 26.7 21.8 32.6

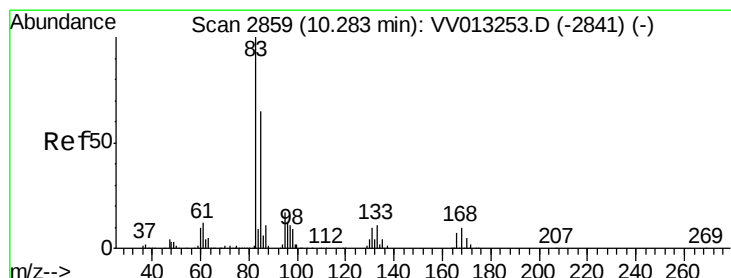
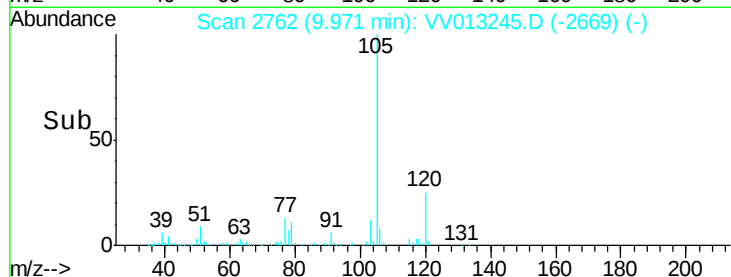
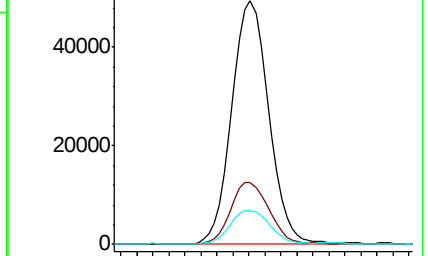
77 14.8 12.0 18.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.402 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

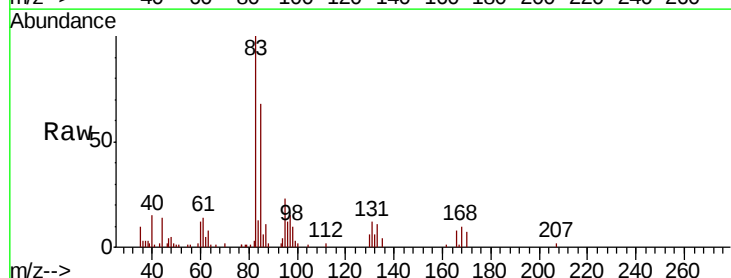
Tgt Ion: 83 Resp: 17754

Ion Ratio Lower Upper

83 100

85 68.0 43.3 80.3

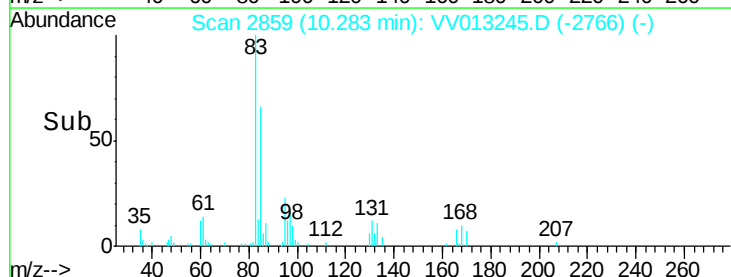
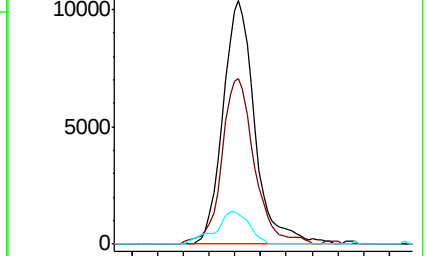
131 12.2 8.3 12.5

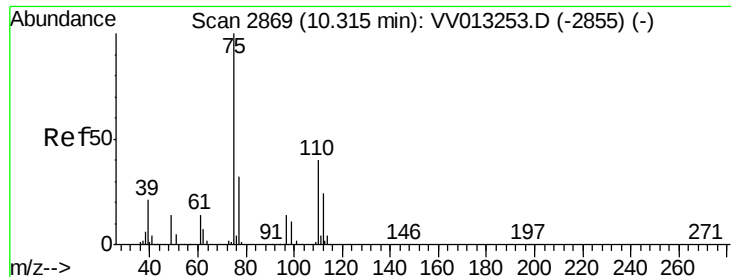


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

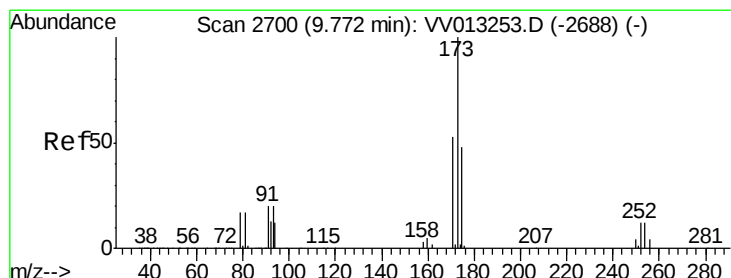
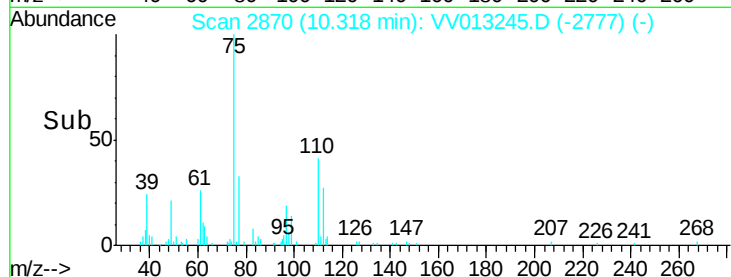
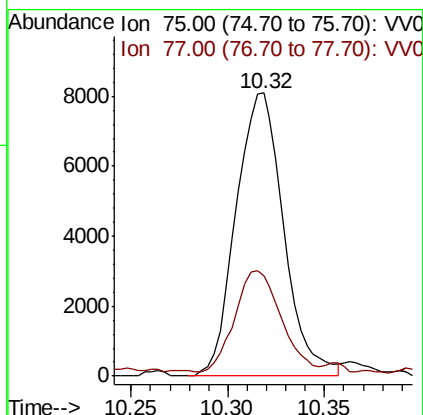
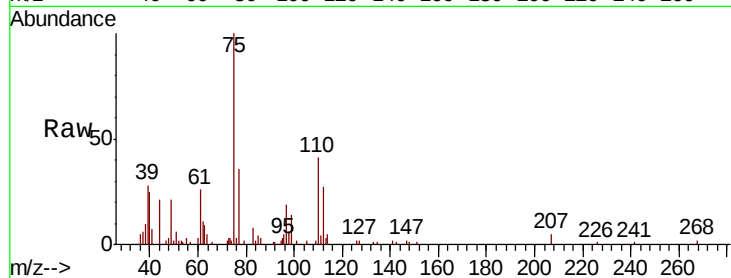




#59
 1,2,3-Trichloropropane
 Concen: 0.432 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

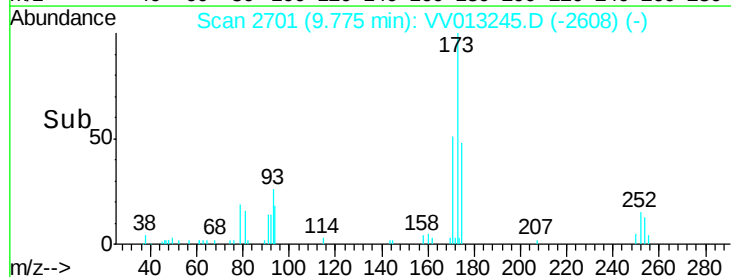
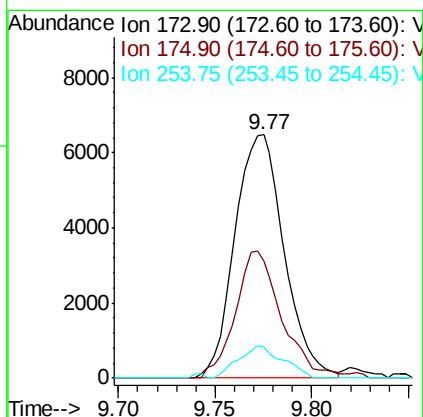
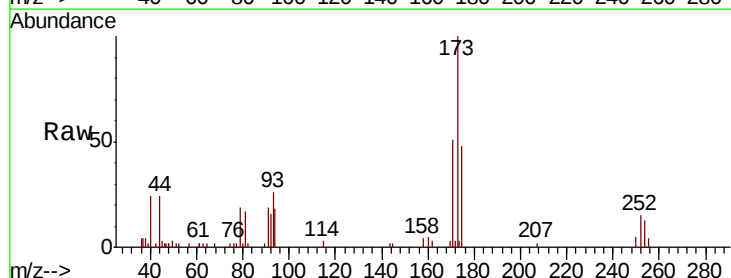
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

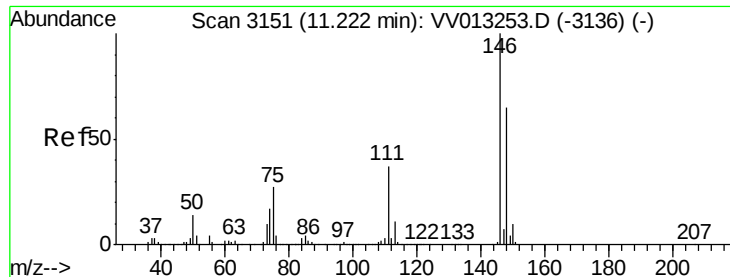
Tot Ion: 75 Resp: 13883
 Ion Ratio Lower Upper
 75 100
 77 34.5 24.7 37.1



#61
 Bromoform
 Concen: 0.449 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

Tgt Ion: 173 Resp: 11491
 Ion Ratio Lower Upper
 173 100
 175 48.8 38.8 58.2
 254 11.9 9.8 14.8





#62

1,3-Dichlorobenzene

Concen: 0.424 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

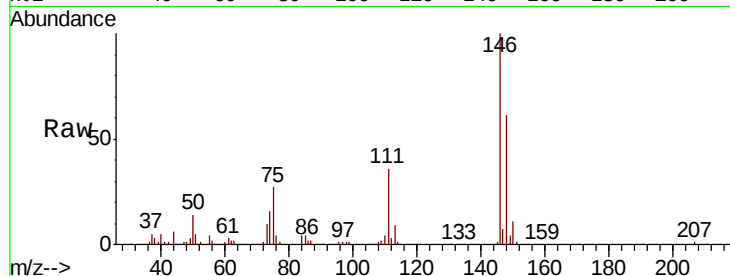
Tot Ion:146 Resp: 47962

Ion Ratio Lower Upper

146 100

111 36.2 25.8 47.8

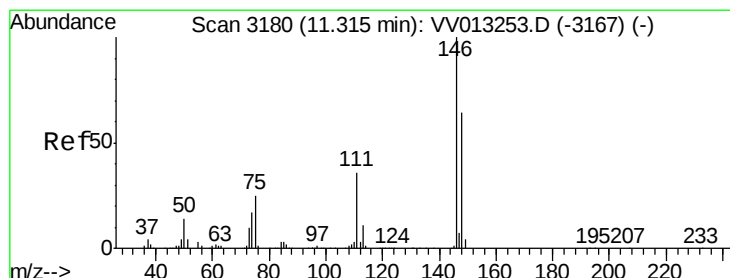
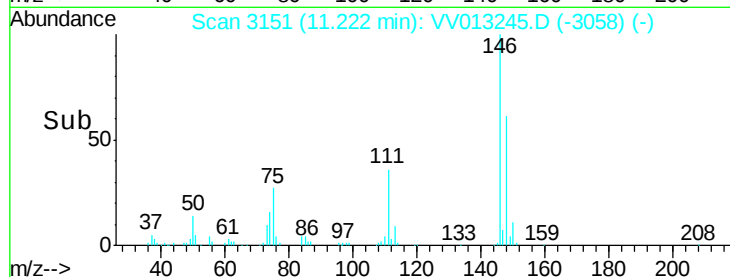
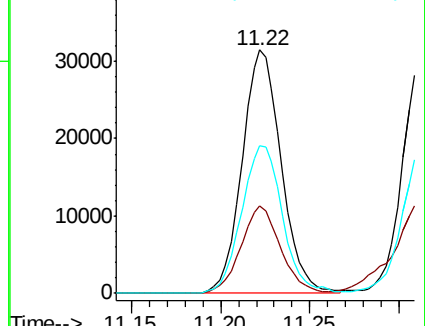
148 60.7 43.8 81.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.430 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

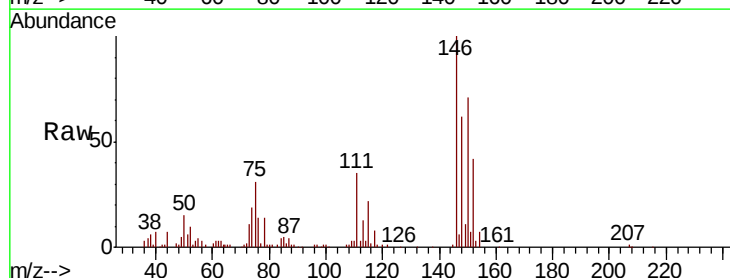
Tgt Ion:146 Resp: 48730

Ion Ratio Lower Upper

146 100

111 35.3 24.6 45.6

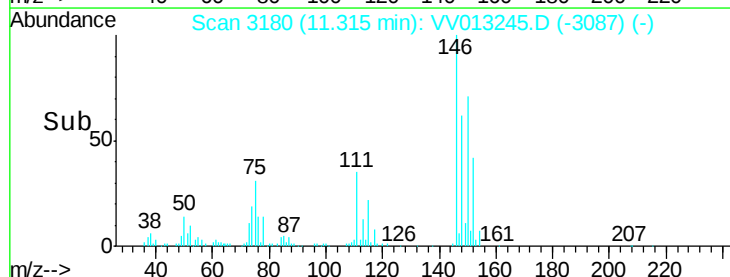
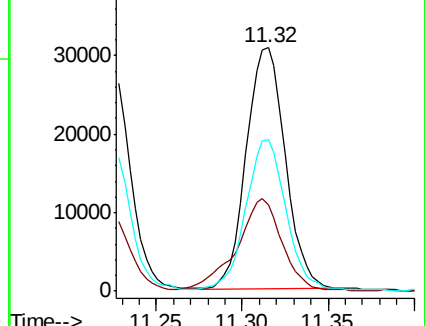
148 62.3 43.3 80.5

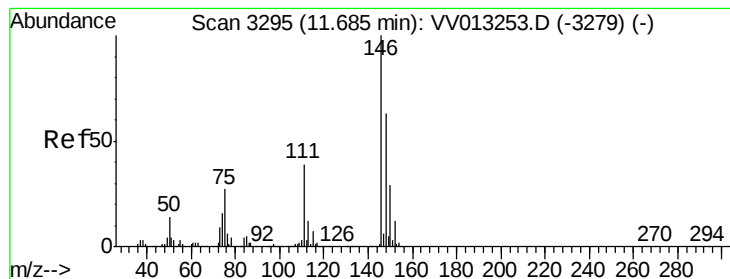


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.429 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. 0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

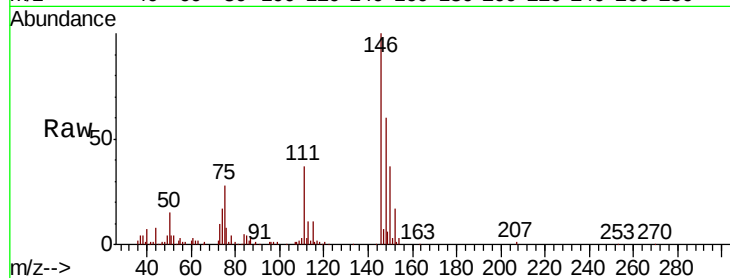
Tot Ion:146 Resp: 45950

Ion Ratio Lower Upper

146 100

111 36.6 31.8 47.6

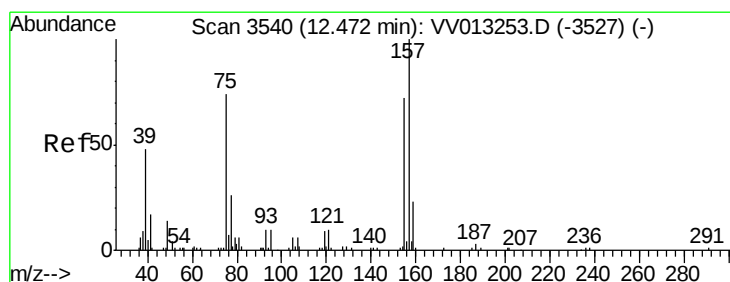
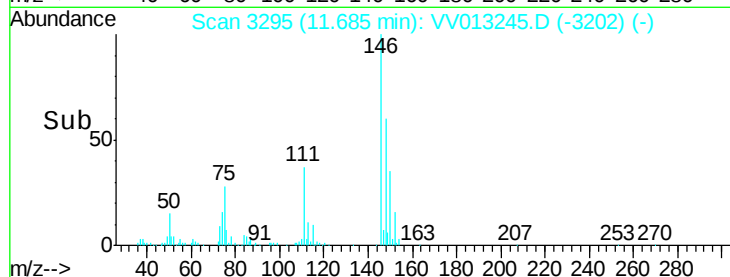
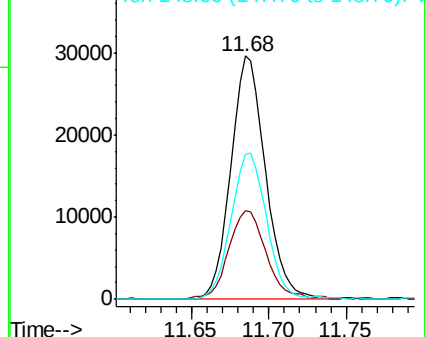
148 59.8 51.0 76.6



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.452 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

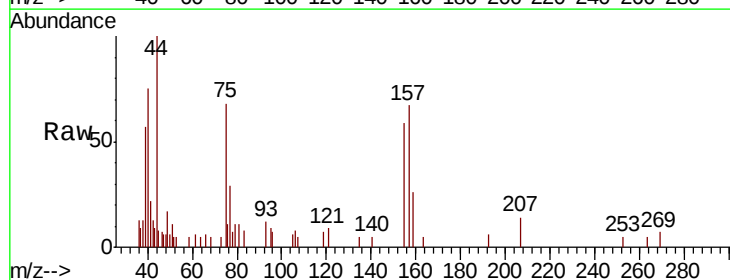
Tgt Ion: 75 Resp: 3015

Ion Ratio Lower Upper

75 100

155 85.8 69.3 103.9

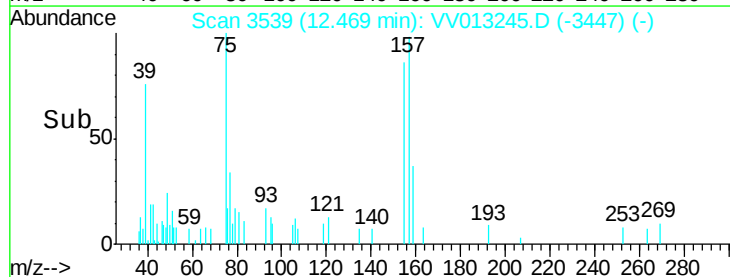
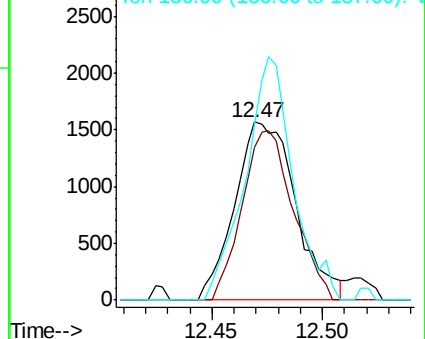
157 98.4 94.3 141.5

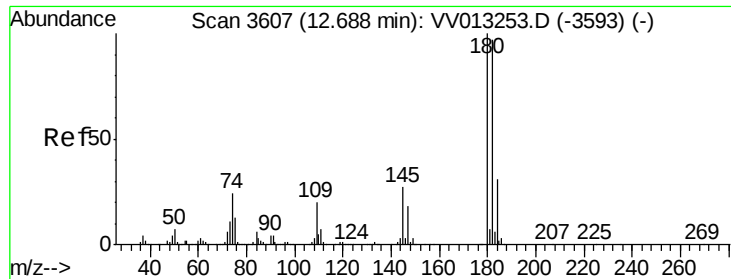


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

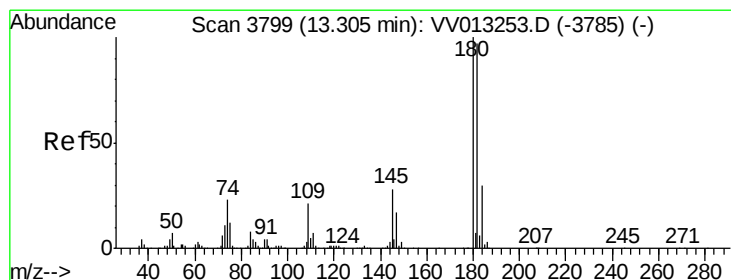
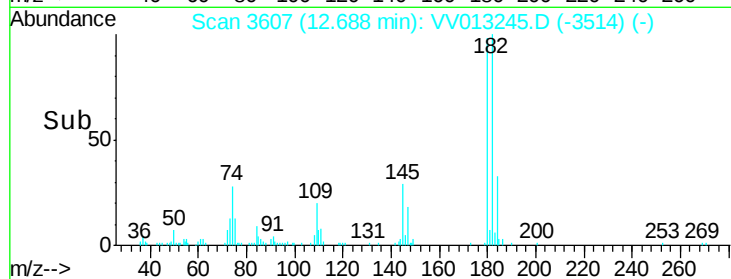
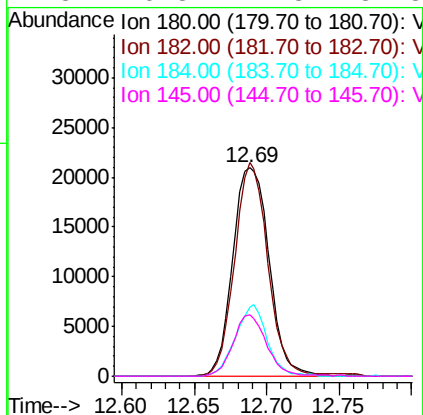
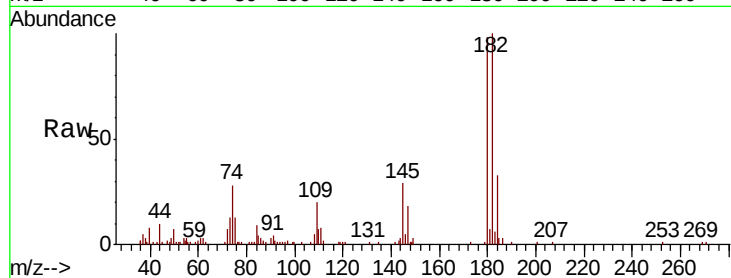




#67
 1,3,5-Trichlorobenzene
 Concen: 0.439 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

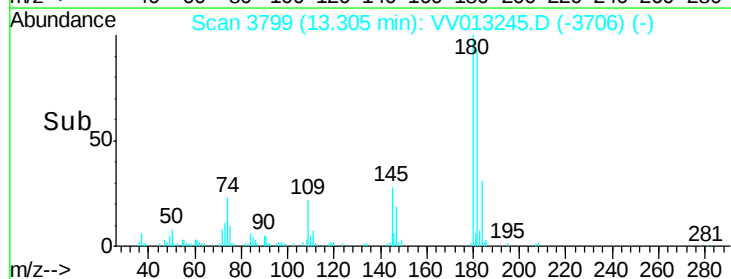
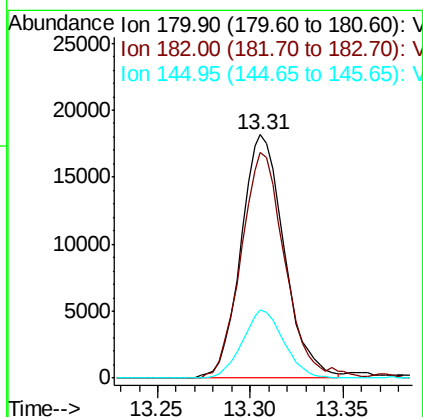
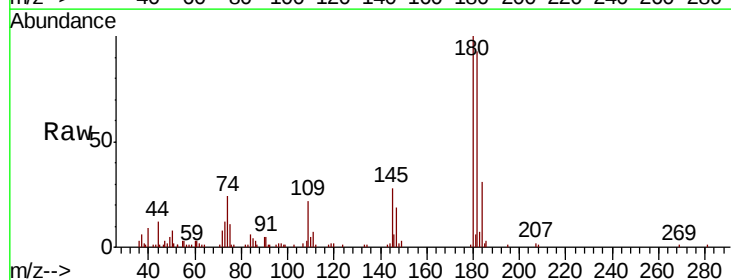
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.531

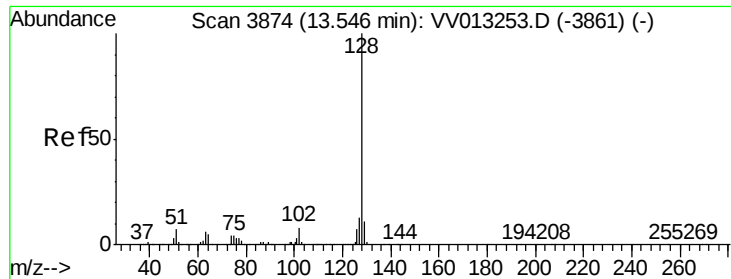
Tot Ion	180	182	184	145
Resp:	36459			
Ion Ratio	100	93.4	29.9	26.8
Lower		76.2	24.0	21.8
Upper		114.2	36.0	32.8



#68
 1,2,4-trichlorobenzene
 Concen: 0.409 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013245.D
 Acq: 21 Oct 2019 15:35

Tgt Ion	180	182	145
Resp:	29319		
Ion Ratio	100	92.4	26.6
Lower		76.7	22.1
Upper		115.1	33.1





#69

Naphthalene

Concen: 0.301 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.531

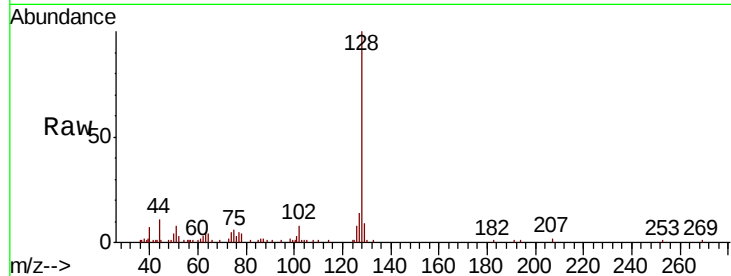
Tot Ion:128 Resp: 32909

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

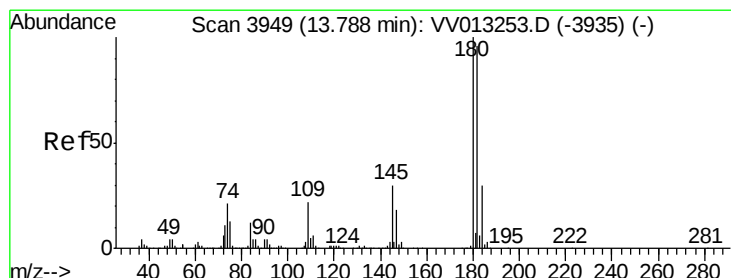
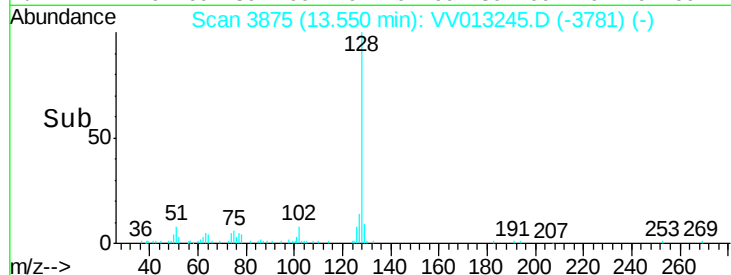
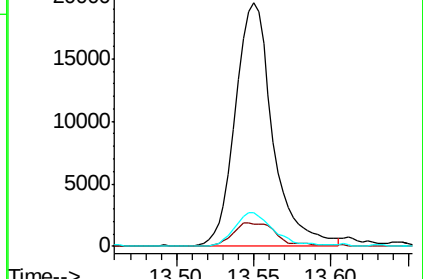
127 14.4 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.383 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013245.D

Acq: 21 Oct 2019 15:35

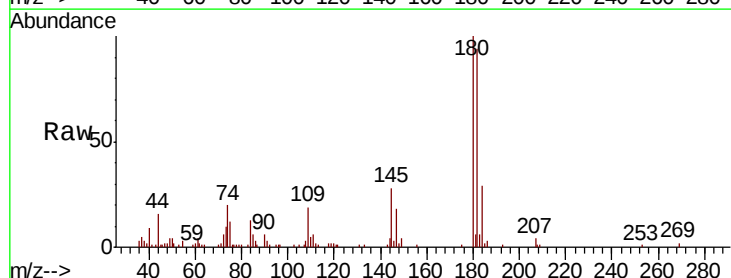
Tgt Ion:180 Resp: 27232

Ion Ratio Lower Upper

180 100

182 96.0 76.5 114.7

145 30.4 23.5 35.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

