

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
 Data File : VV009560.D
 Acq On : 09 Mar 2019 00:41
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00G/10ML/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

Quant Time: Mar 09 01:29:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 09 01:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	147916	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	145573	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74809	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36463	20.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.92%
7) Chloroethane-d5	1.57	69	42738	16.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.40%
10) 1,1-Dichloroethene-d2	2.13	63	104341	22.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.08%
20) 2-Butanone-d5	3.94	46	29769	49.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.12%
24) Chloroform-d	4.40	84	96778	27.46	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.84%
26) 1,2-Dichloroethane-d4	5.08	65	57974	28.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.68%
29) Benzene-d6	5.10	84	186819	25.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.64%
33) 1,2-Dichloropropane-d6	6.12	67	59182	27.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	111.28%
37) Toluene-d8	7.36	98	183587	26.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.48%
38) trans-1,3-Dichloropropene-	7.66	79	26281	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.96%
39) 2-Hexanone-d5	8.13	63	24659	49.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.32%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59089	26.06	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.24%
61) 1,2-Dichlorobenzene-d4	11.67	152	71952	26.35	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	37082	21.773 ug/L	96
3) Chloromethane	1.25	50	43472	23.950 ug/L	99
5) Vinyl chloride	1.32	62	44795	22.385 ug/L	97
6) Bromomethane	1.52	94	47197	18.946 ug/L	97
8) Chloroethane	1.59	64	34344	15.444 ug/L	95
9) Trichlorofluoromethane	1.76	101	93621	22.807 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	53633	23.334 ug/L	97
12) 1,1-Dichloroethene	2.14	96	47112	23.957 ug/L	94
13) Acetone	2.19	43	19895	32.250 ug/L	99
14) Carbon disulfide	2.32	76	112070	22.483 ug/L	99
15) Methyl Acetate	2.46	43	21356	21.377 ug/L	95
16) Methylene chloride	2.53	84	51083	26.315 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	120993	27.475 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	44292	25.074 ug/L	100
19) 1,1-Dichloroethane	3.23	63	84509	27.151 ug/L	98
21) 2-Butanone	4.02	43	28375	36.445 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	54838	27.499 ug/L	99

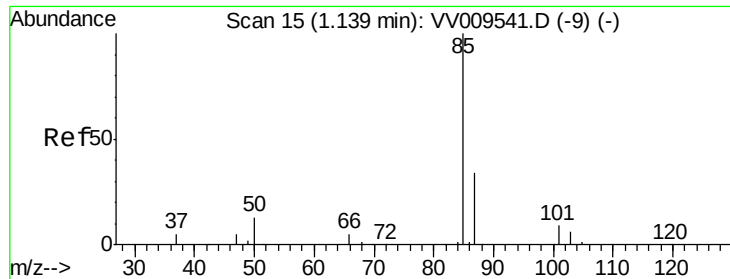
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25746	27.999	ug/L	90
25) Chloroform	4.43	83	98278	28.294	ug/L	98
27) 1,2-Dichloroethane	5.18	62	67997	28.186	ug/L	100
30) Cyclohexane	4.73	56	64670	20.932	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	76487	23.504	ug/L	98
32) Carbon tetrachloride	4.87	117	61461	22.339	ug/L	100
34) Benzene	5.15	78	195054	25.931	ug/L	100
35) Trichloroethene	5.96	95	52609	24.337	ug/L	98
36) Methylcyclohexane	6.18	83	73100	20.758	ug/L	99
40) 1,2-Dichloropropane	6.22	63	49928	25.743	ug/L	98
41) Bromodichloromethane	6.56	83	73061	27.909	ug/L	95
42) cis-1,3-Dichloropropene	7.07	75	81756	27.152	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	67075	43.872	ug/L	98
44) Toluene	7.43	91	219488	25.814	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	68824	26.172	ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	41985	26.056	ug/L	97
47) Tetrachloroethene	8.02	164	38947	23.754	ug/L	95
49) 2-Hexanone	8.18	43	47653	41.219	ug/L	97
50) Dibromochloromethane	8.29	129	49932	25.596	ug/L	100
51) 1,2-Dibromoethane	8.40	107	42015	25.237	ug/L	100
52) Chlorobenzene	8.93	112	147824	26.230	ug/L	97
53) Ethylbenzene	9.05	91	246253	25.310	ug/L	98
54) m,p-Xylene	9.18	106	94621	25.695	ug/L	94
55) o-xylene	9.59	106	95107	26.784	ug/L	93
56) Styrene	9.60	104	163295	27.952	ug/L	100
57) Isopropylbenzene	9.98	105	243797	24.892	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	57103	25.098	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	38849	23.687	ug/L	99
62) Bromoform	9.77	173	26551	21.871	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	116620	24.957	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	117593	24.627	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	113039	25.940	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	8529	19.540	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	81427	24.293	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	67611	25.194	ug/L	98
69) Naphthalene	13.55	128	123760	21.895	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	62123	25.163	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 21.773 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

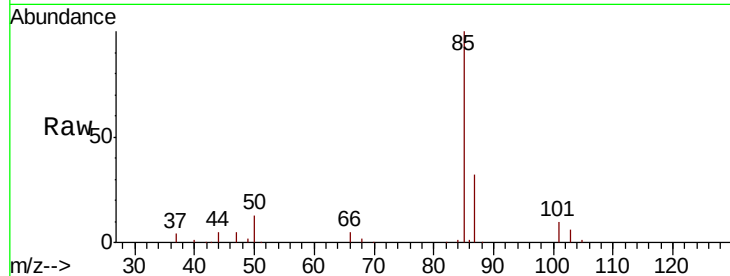
VSTD02573

Tgt Ion: 85 Resp: 37082

Ion Ratio Lower Upper

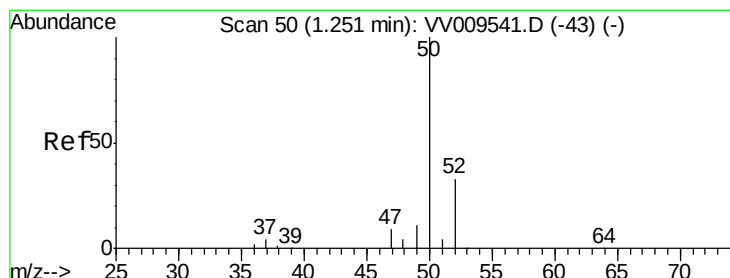
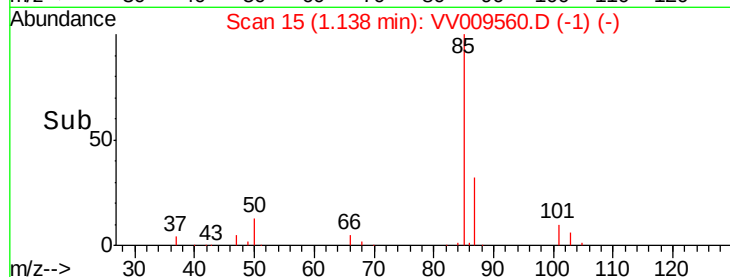
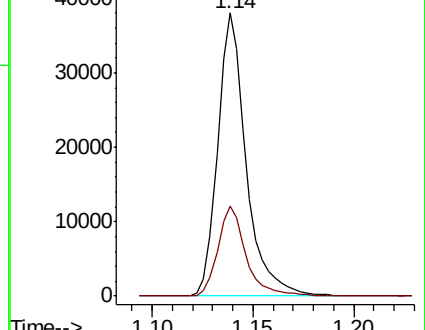
85 100

87 31.3 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009541.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009541.D (-9) (-)



#3

Chloromethane

Concen: 23.950 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009560.D

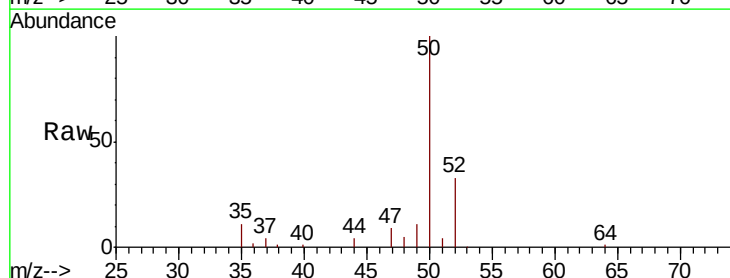
Acq: 09 Mar 2019 00:41

Tgt Ion: 50 Resp: 43472

Ion Ratio Lower Upper

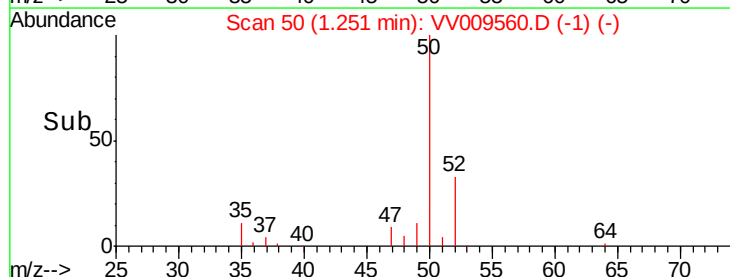
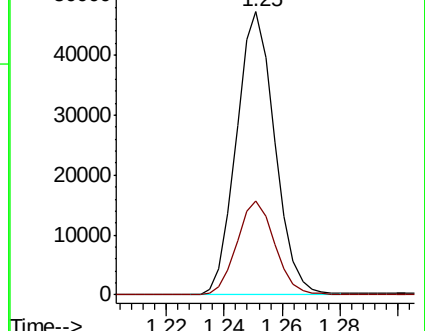
50 100

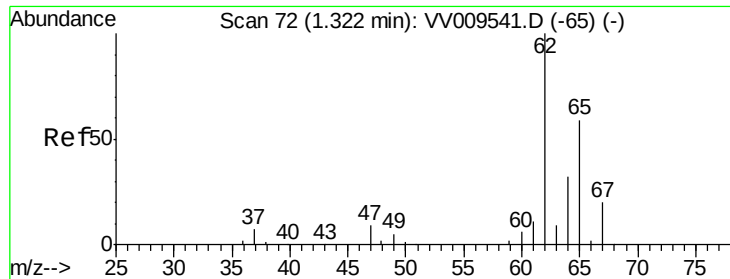
52 33.3 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009541.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009541.D (-43) (-)





#5

Vinyl chloride

Concen: 22.385 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

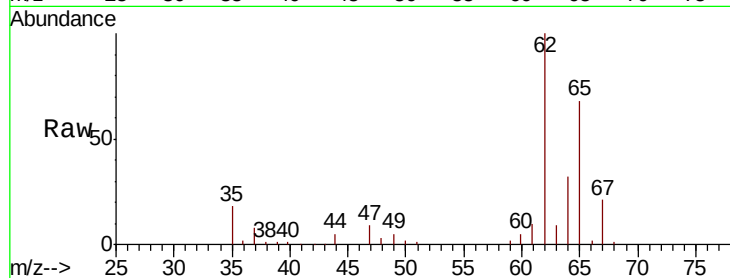
VSTD02573

Tgt Ion: 62 Resp: 44795

Ion Ratio Lower Upper

62 100

64 32.1 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV009541.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009541.D (-65) (-)

1.32

40000

30000

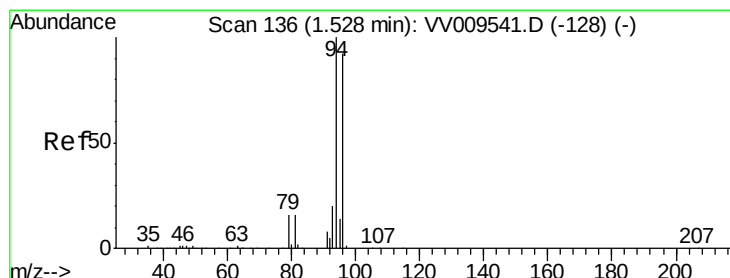
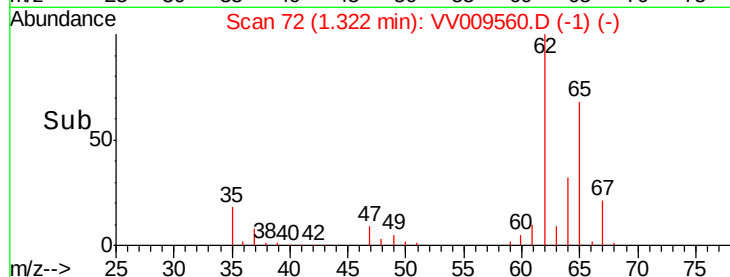
20000

10000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 18.946 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.01 min

Lab File: VV009560.D

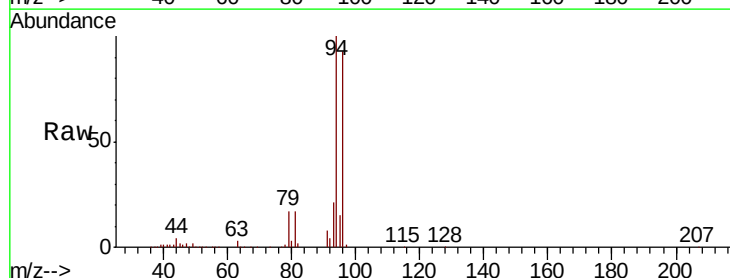
Acq: 09 Mar 2019 00:41

Tgt Ion: 94 Resp: 47197

Ion Ratio Lower Upper

94 100

96 93.0 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV009541.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV009541.D (-128) (-)

1.52

60000

50000

40000

30000

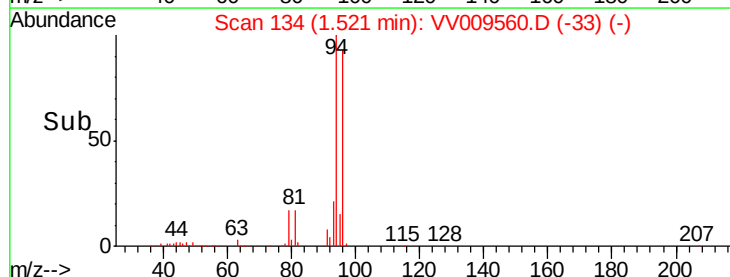
20000

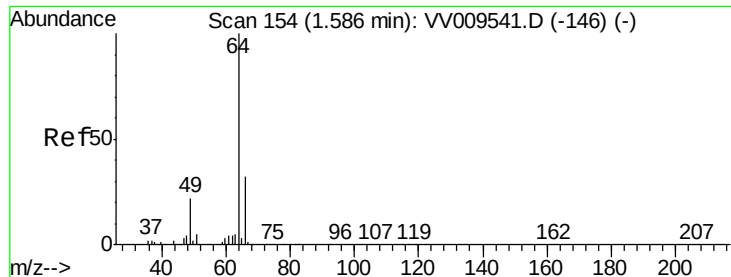
10000

0

1.50 1.55

Time-->





#8

Chloroethane

Concen: 15.444 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

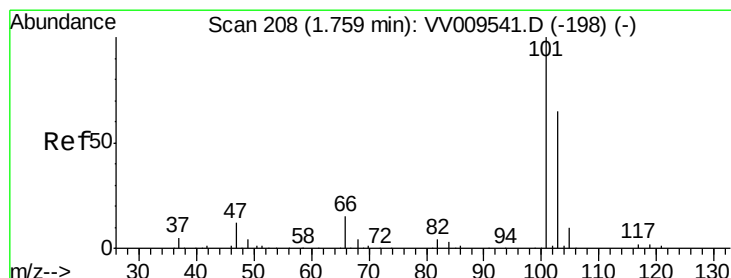
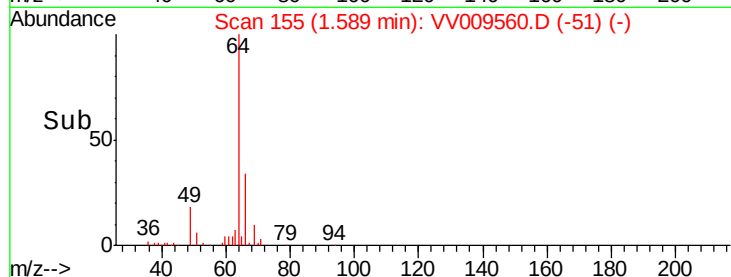
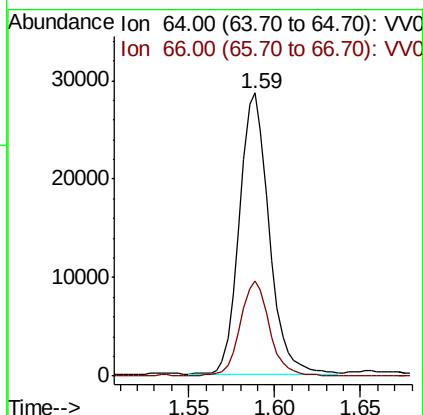
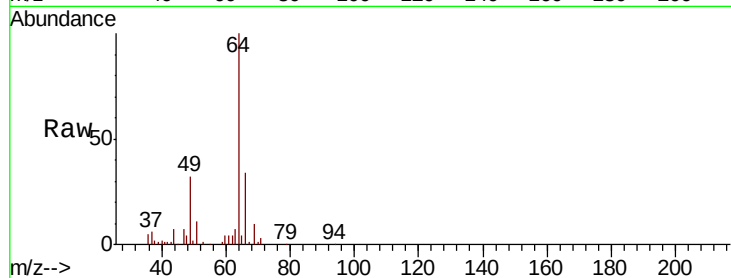
VSTD02573

Tgt Ion: 64 Resp: 34344

Ion Ratio Lower Upper

64 100

66 33.9 21.8 40.6



#9

Trichlorofluoromethane

Concen: 22.807 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV009560.D

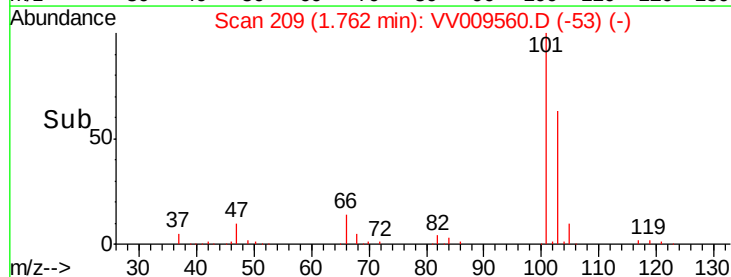
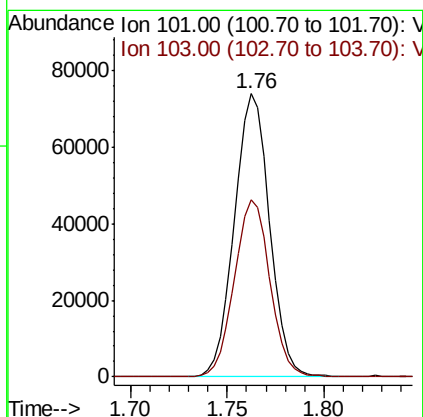
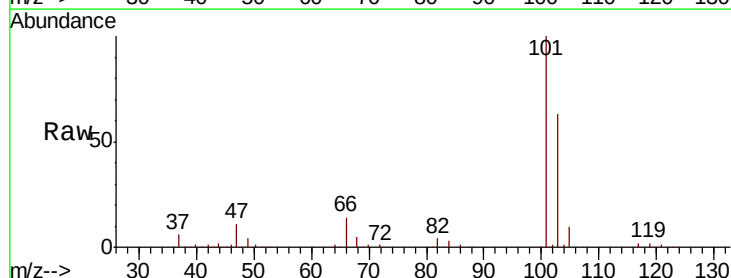
Acq: 09 Mar 2019 00:41

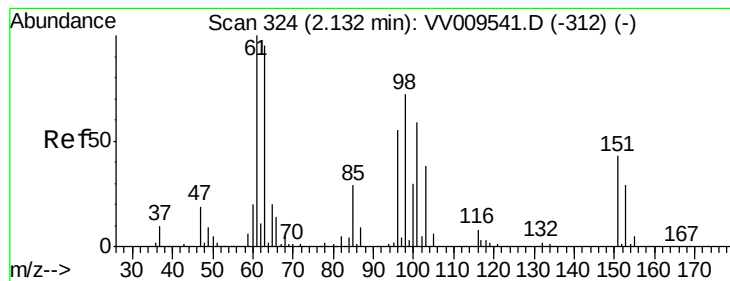
Tgt Ion: 101 Resp: 93621

Ion Ratio Lower Upper

101 100

103 63.4 44.7 83.1





#11

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

Concen: 23.334 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

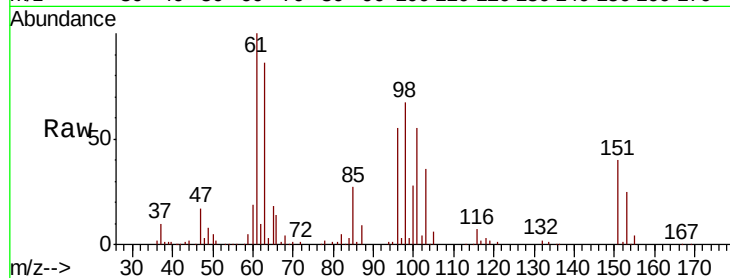
Tgt Ion:101 Resp: 53633

Ion Ratio Lower Upper

101 100

85 48.1 40.1 60.1

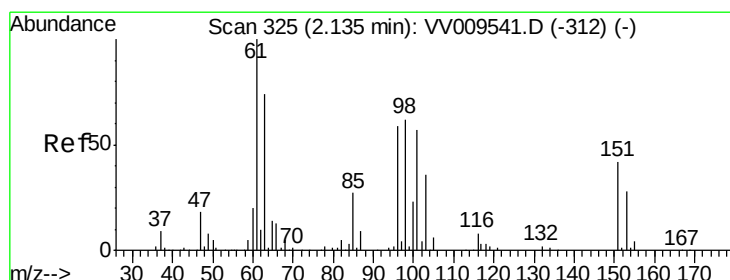
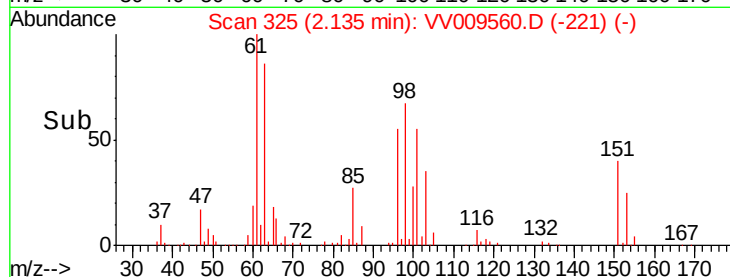
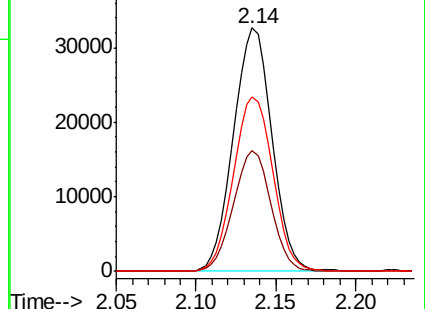
151 73.0 55.9 83.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 23.957 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

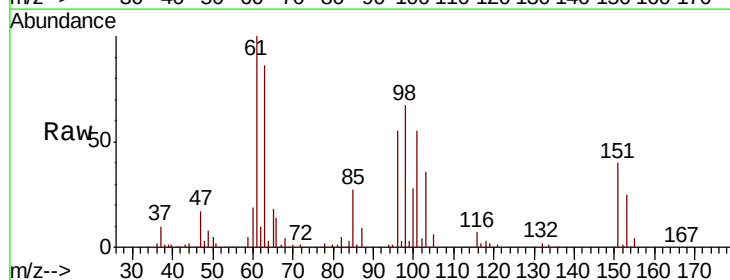
Tgt Ion: 96 Resp: 47112

Ion Ratio Lower Upper

96 100

61 181.2 136.9 254.3

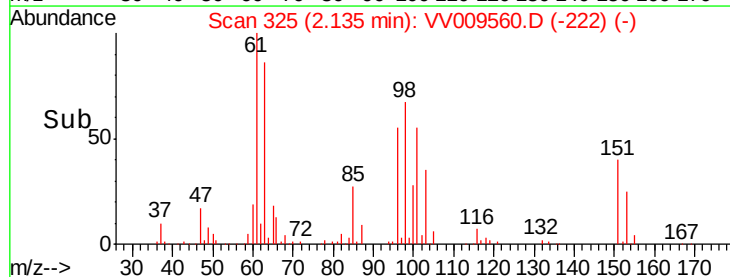
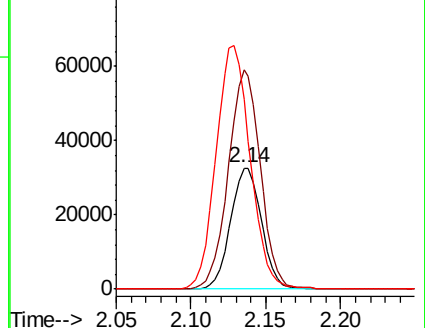
63 156.7 108.7 201.9

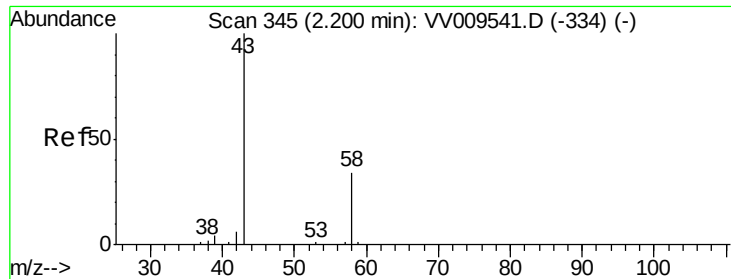


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 32.250 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.01 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

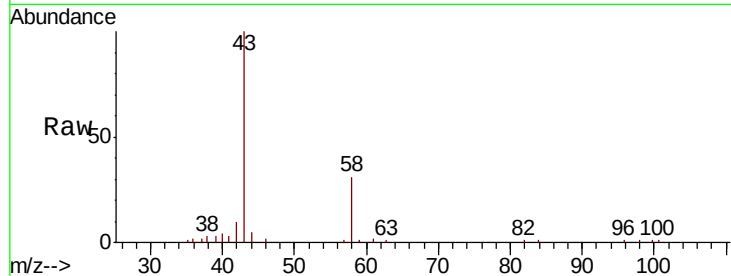
VSTD02573

Tgt Ion: 43 Resp: 19895

Ion Ratio Lower Upper

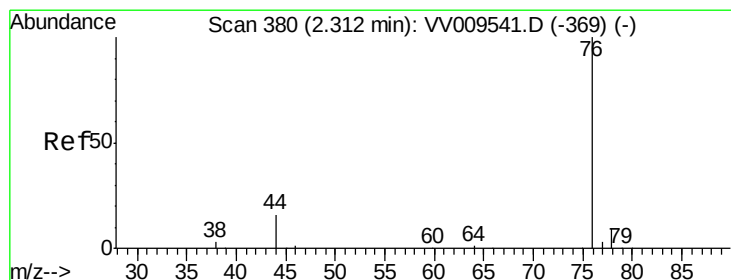
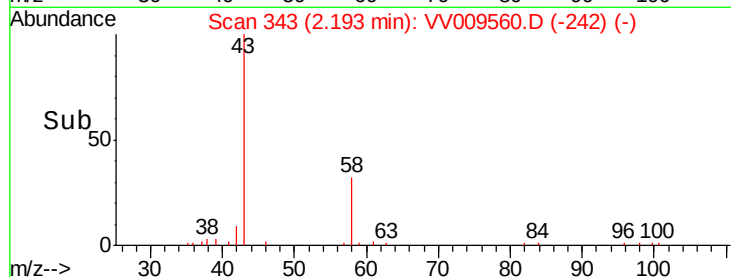
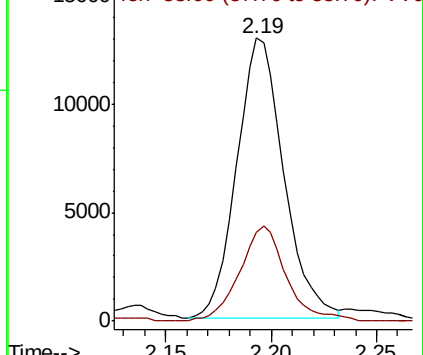
43 100

58 33.9 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009541.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009541.D (-334) (-)



#14

Carbon disulfide

Concen: 22.483 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009560.D

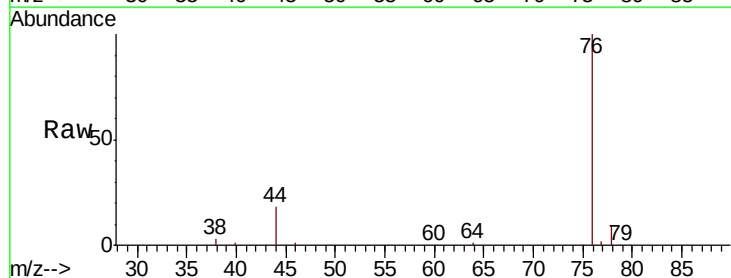
Acq: 09 Mar 2019 00:41

Tgt Ion: 76 Resp: 112070

Ion Ratio Lower Upper

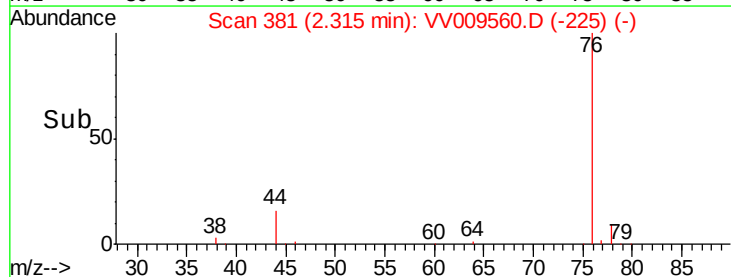
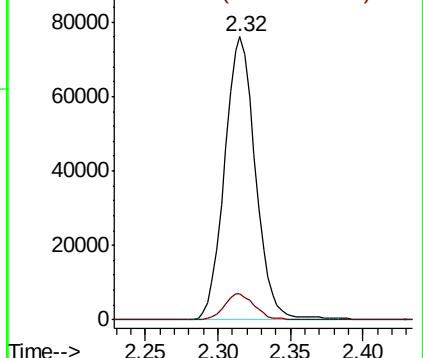
76 100

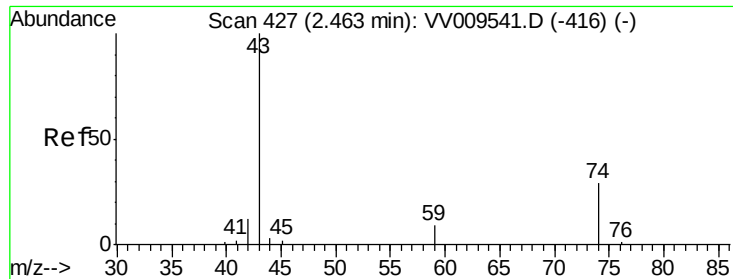
78 9.1 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VV009541.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009541.D (-369) (-)

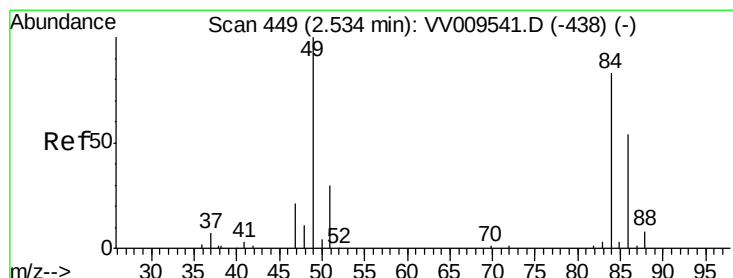
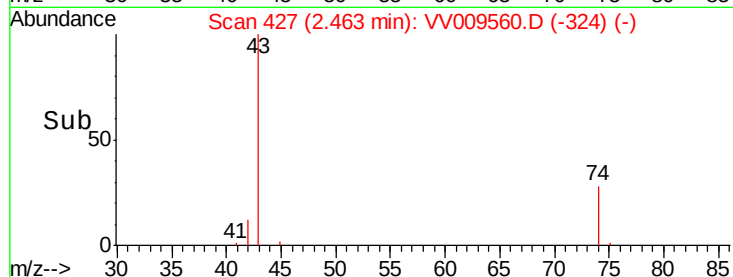
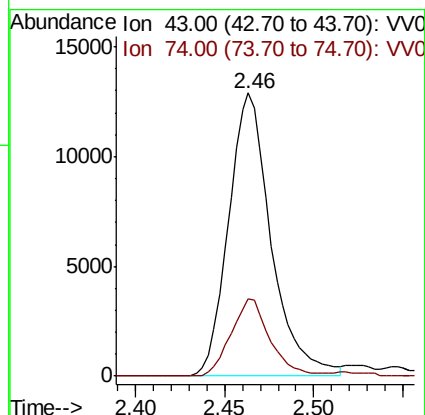
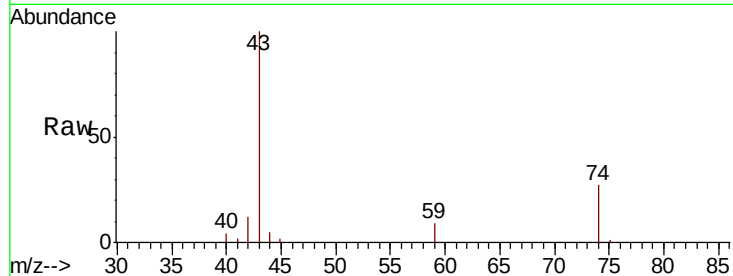




#15
Methyl Acetate
Concen: 21.377 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV009560.D
Acq: 09 Mar 2019 00:41

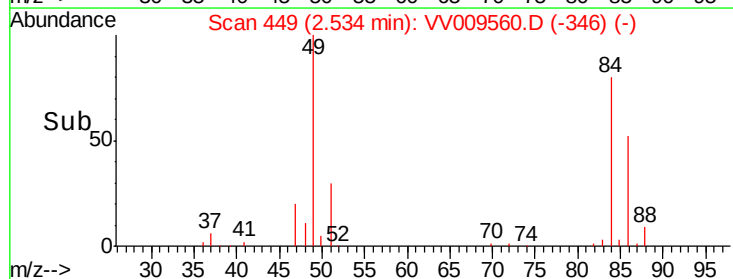
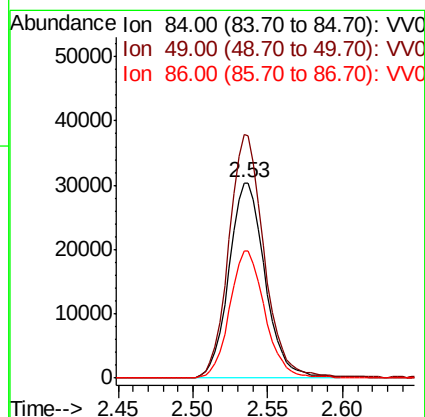
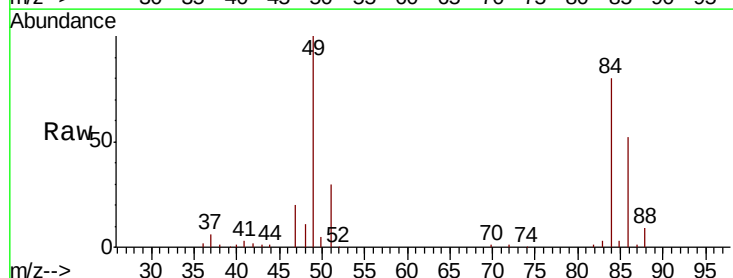
Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

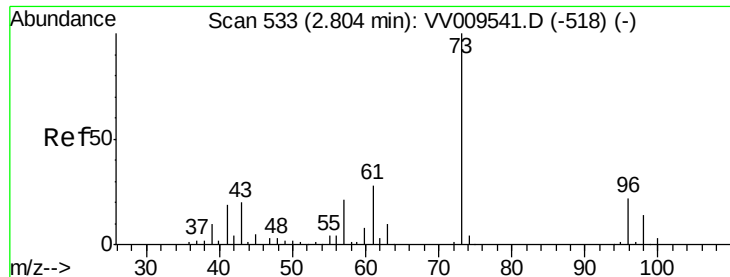
Tgt Ion: 43 Resp: 21356
Ion Ratio Lower Upper
43 100
74 24.7 21.8 32.8



#16
Methylene chloride
Concen: 26.315 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009560.D
Acq: 09 Mar 2019 00:41

Tgt Ion: 84 Resp: 51083
Ion Ratio Lower Upper
84 100
49 124.8 84.6 157.0
86 64.8 46.1 85.7

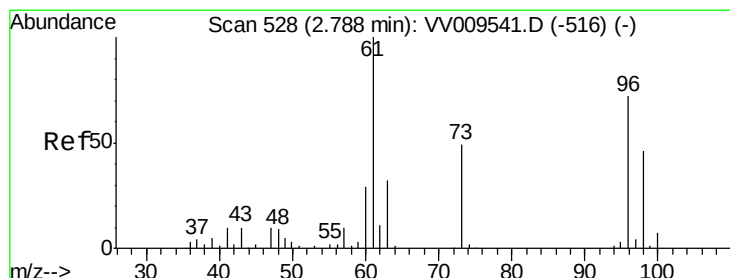
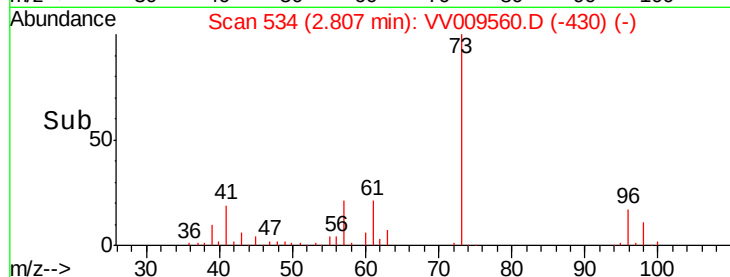
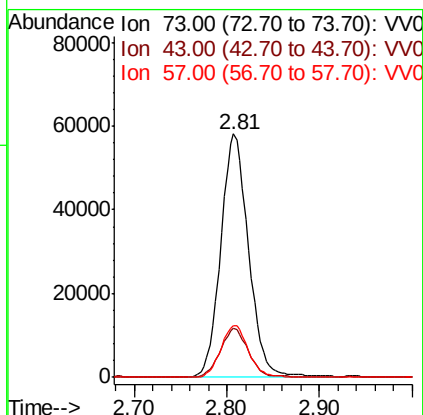
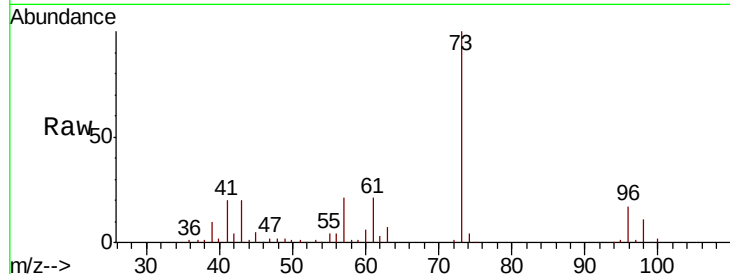




#17
Methyl tert-butyl Ether
Concen: 27.475 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV009560.D
Acq: 09 Mar 2019 00:41

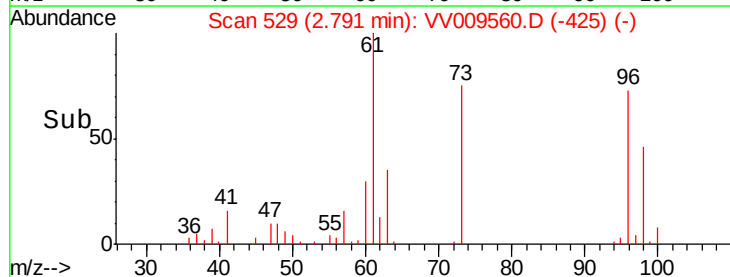
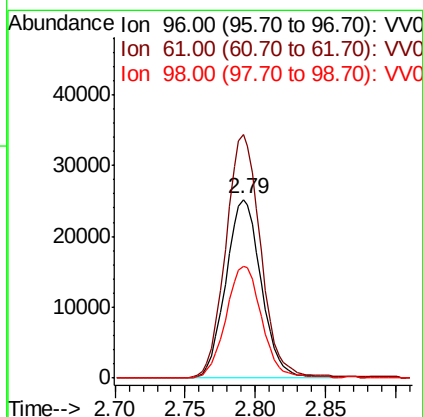
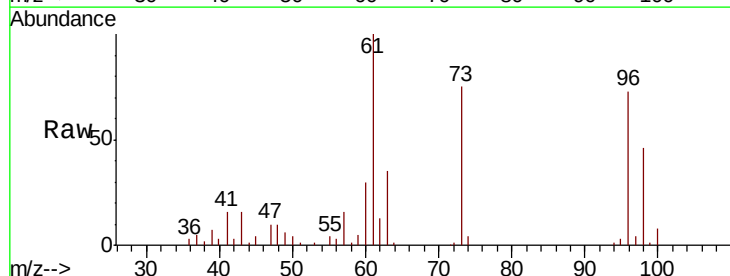
Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

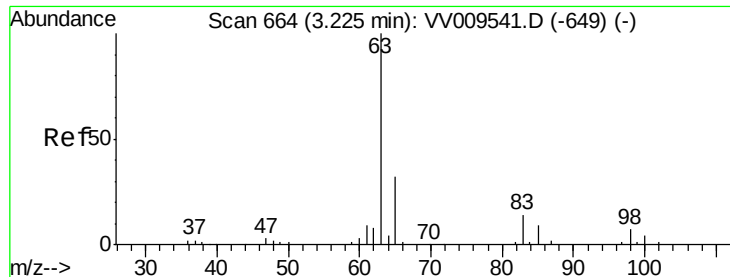
Tgt Ion: 73 Resp: 120993
Ion Ratio Lower Upper
73 100
43 20.0 15.0 22.4
57 20.9 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 25.074 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009560.D
Acq: 09 Mar 2019 00:41

Tgt Ion: 96 Resp: 44292
Ion Ratio Lower Upper
96 100
61 136.4 95.6 177.6
98 62.9 44.0 81.6

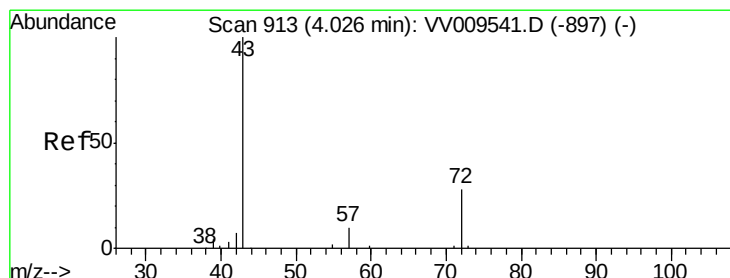
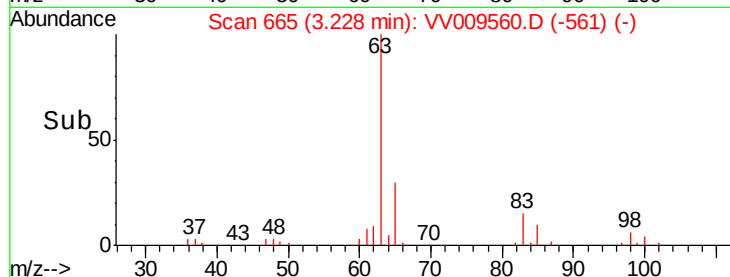
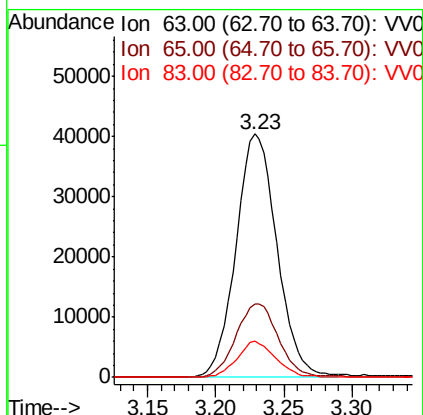
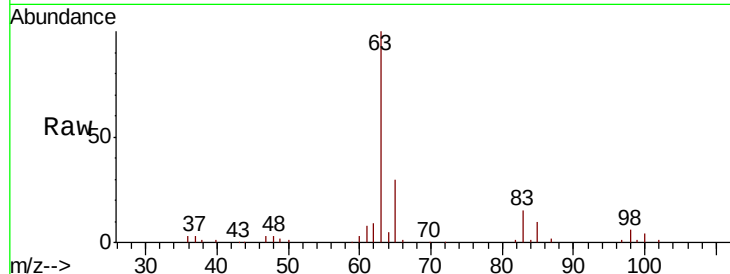




#19
 1,1-Dichloroethane
 Concen: 27.151 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

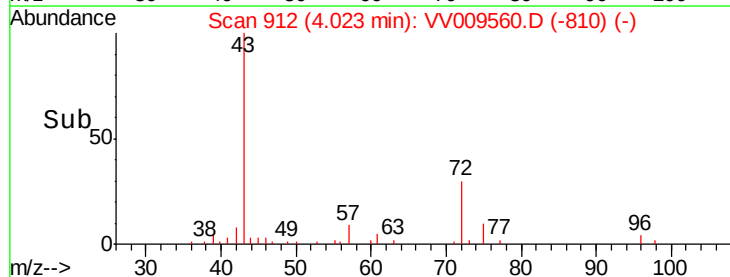
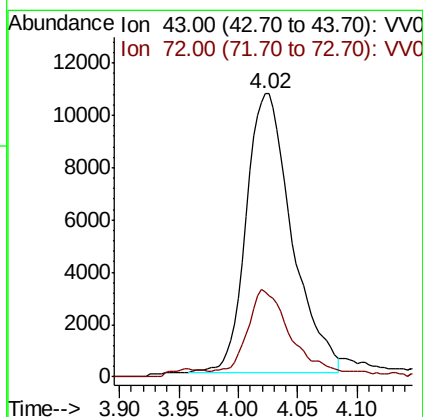
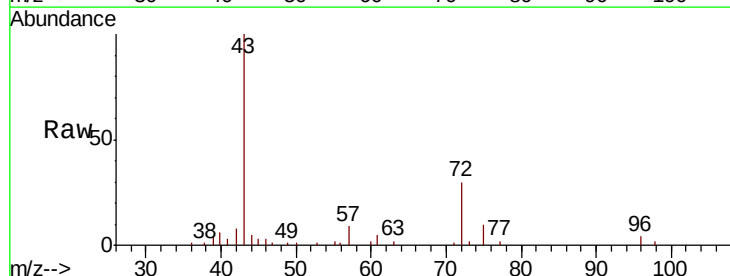
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

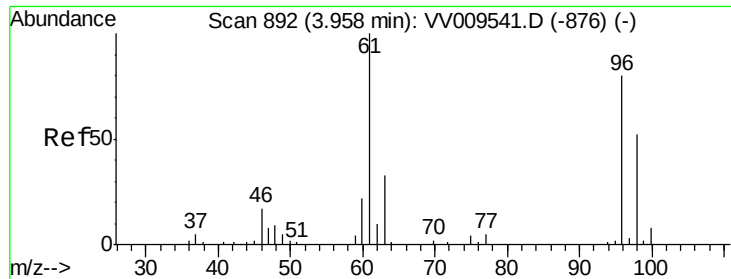
Tgt Ion: 63 Resp: 84509
 Ion Ratio Lower Upper
 63 100
 65 30.4 22.1 41.1
 83 14.7 10.2 19.0



#21
 2-Butanone
 Concen: 36.445 ug/L
 RT: 4.02 min Scan# 912
 Delta R.T. -0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

Tgt Ion: 43 Resp: 28375
 Ion Ratio Lower Upper
 43 100
 72 24.5 13.7 41.0



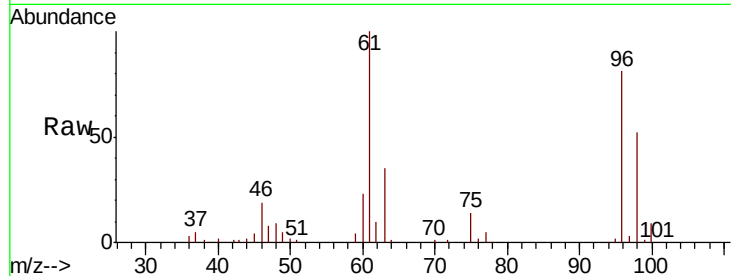


#22

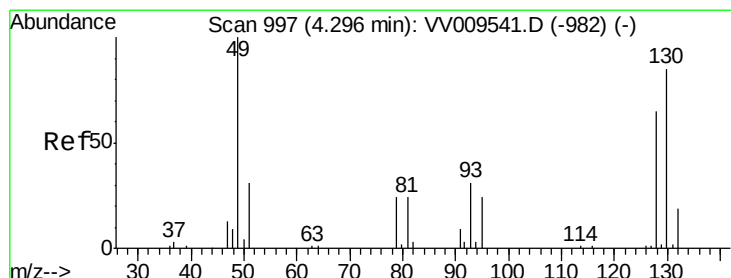
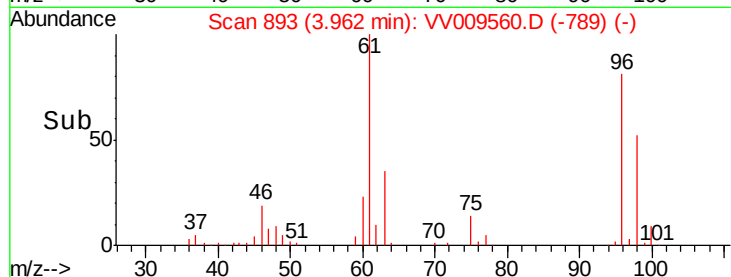
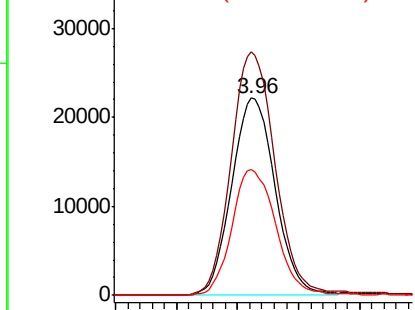
cis-1,2-Dichloroethene
 Concen: 27.499 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02573

Tgt Ion: 96 Resp: 54838
 Ion Ratio Lower Upper
 96 100
 61 123.4 87.2 161.9
 98 63.9 44.6 82.8



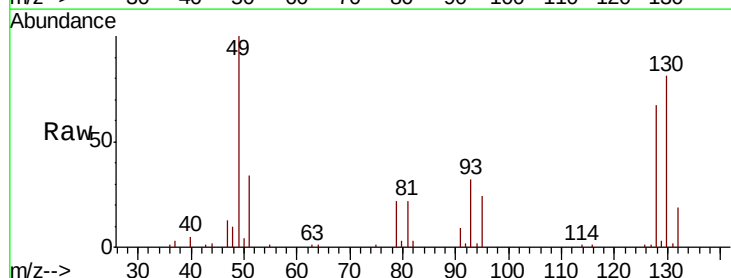
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



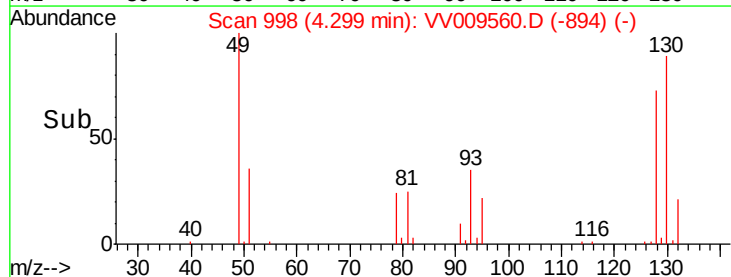
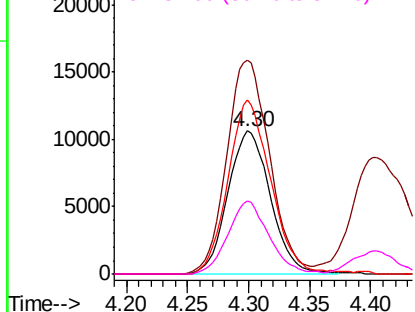
#23

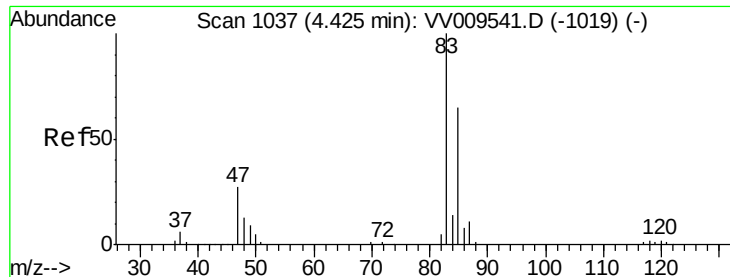
Bromochloromethane
 Concen: 27.999 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

Tgt Ion: 128 Resp: 25746
 Ion Ratio Lower Upper
 128 100
 49 149.2 115.5 214.5
 130 121.2 92.6 172.0
 51 50.5 43.4 65.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

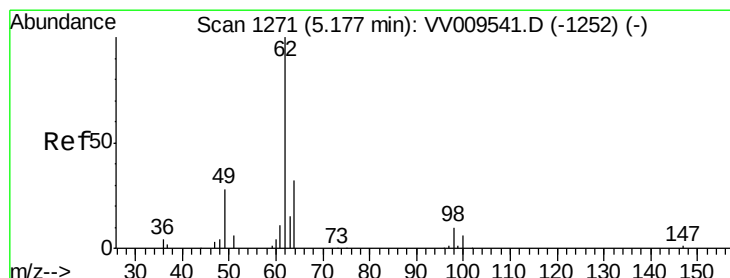
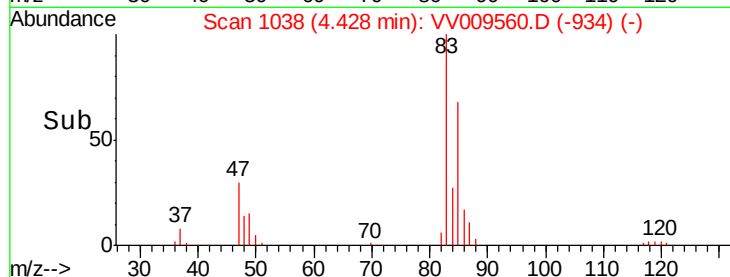
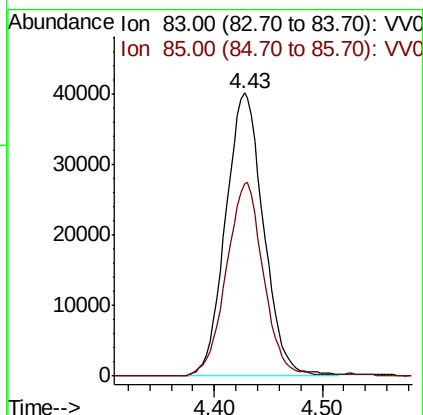
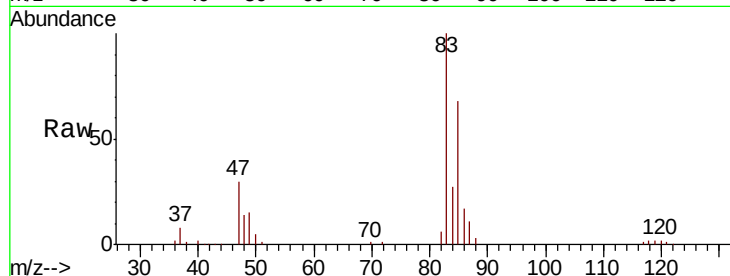




#25
Chloroform
Concen: 28.294 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009560.D
Acq: 09 Mar 2019 00:41

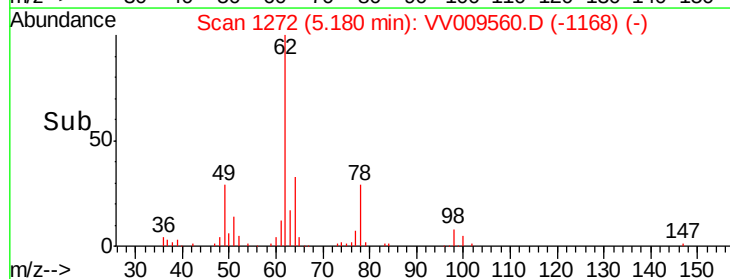
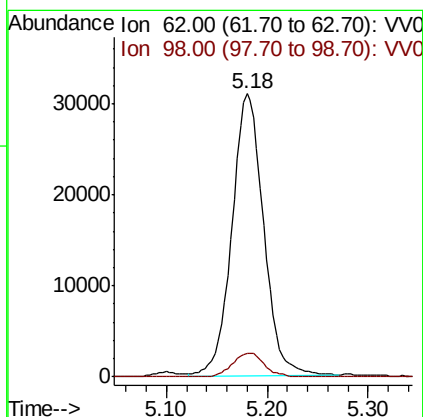
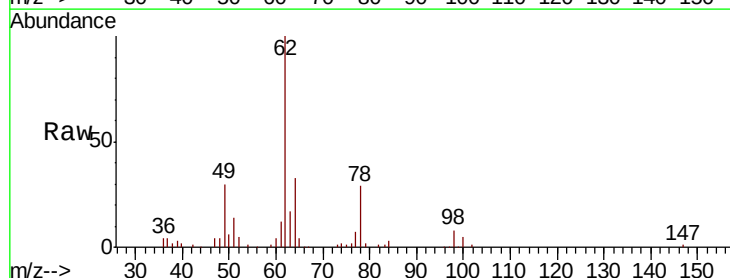
Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

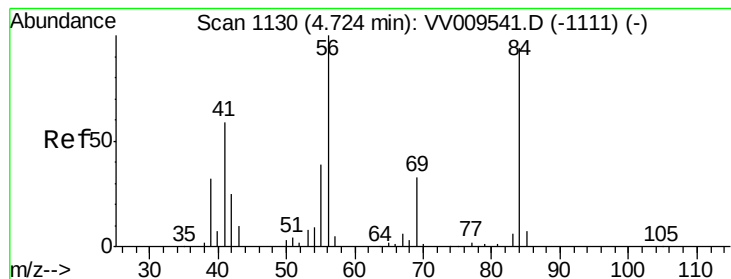
Tgt Ion: 83 Resp: 98278
Ion Ratio Lower Upper
83 100
85 66.3 45.4 84.2



#27
1,2-Dichloroethane
Concen: 28.186 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009560.D
Acq: 09 Mar 2019 00:41

Tgt Ion: 62 Resp: 67997
Ion Ratio Lower Upper
62 100
98 8.4 6.6 10.0





#30

Cyclohexane

Concen: 20.932 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

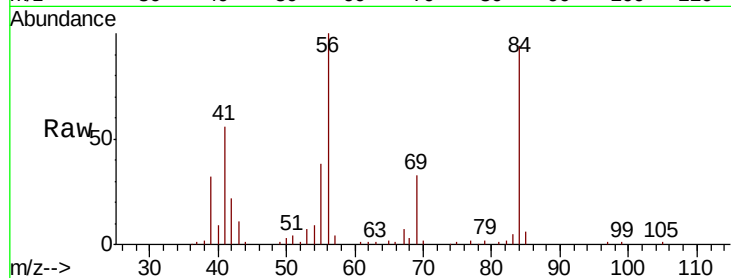
Tgt Ion: 56 Resp: 64670

Ion Ratio Lower Upper

56 100

69 32.3 24.9 37.3

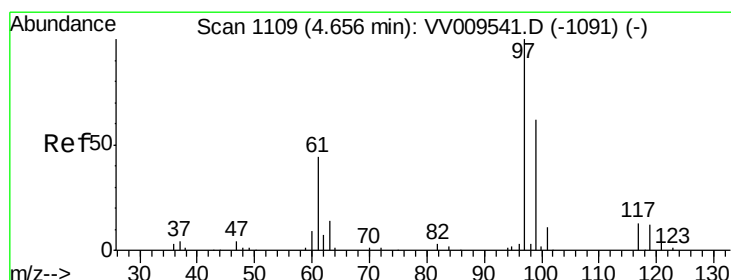
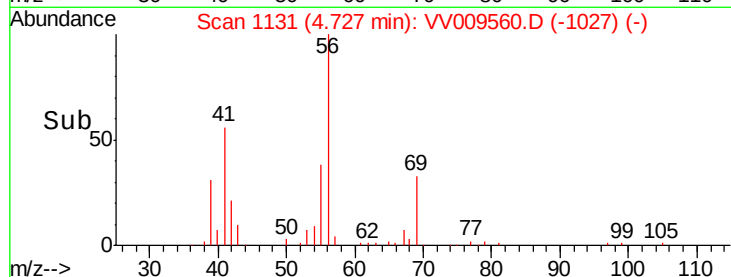
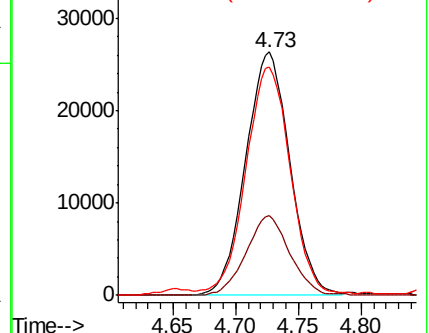
84 93.0 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VV009541.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV009541.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV009541.D (-1111) (-)



#31

1,1,1-Trichloroethane

Concen: 23.504 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

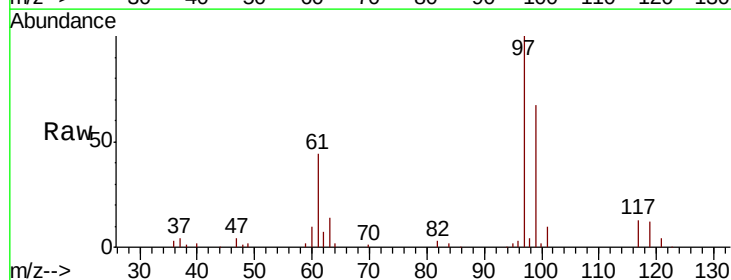
Tgt Ion: 97 Resp: 76487

Ion Ratio Lower Upper

97 100

99 65.7 51.0 76.4

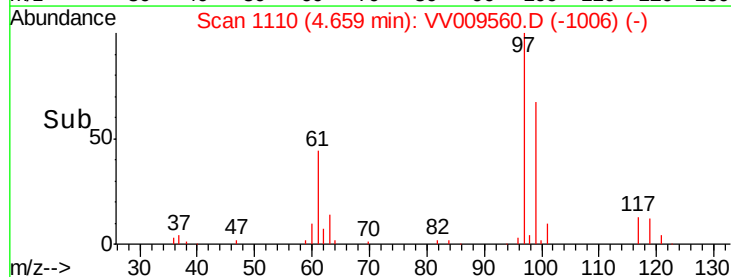
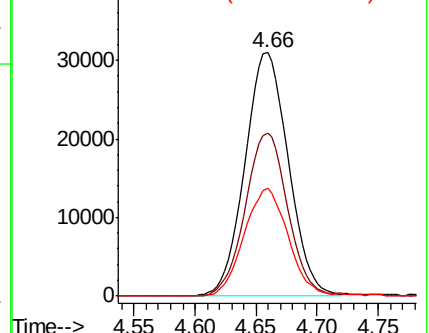
61 44.7 36.1 54.1

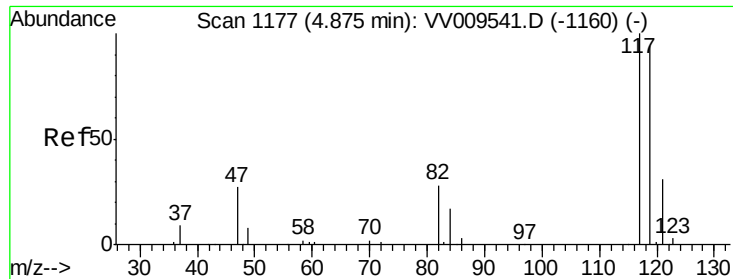


Abundance Ion 97.00 (96.70 to 97.70): VV009541.D (-1091) (-)

Ion 99.00 (98.70 to 99.70): VV009541.D (-1091) (-)

Ion 61.00 (60.70 to 61.70): VV009541.D (-1091) (-)





#32

Carbon tetrachloride

Concen: 22.339 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

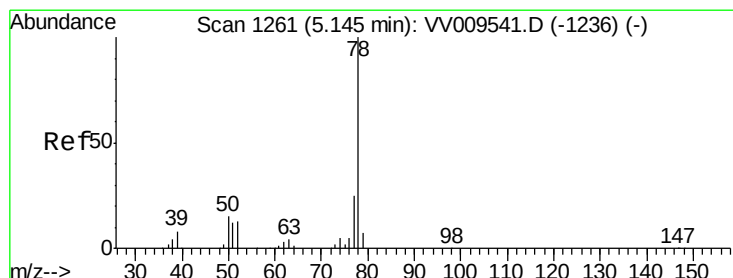
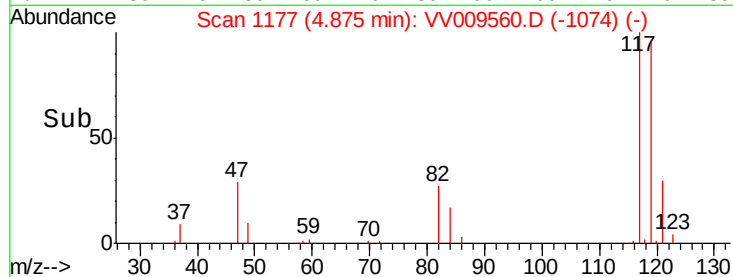
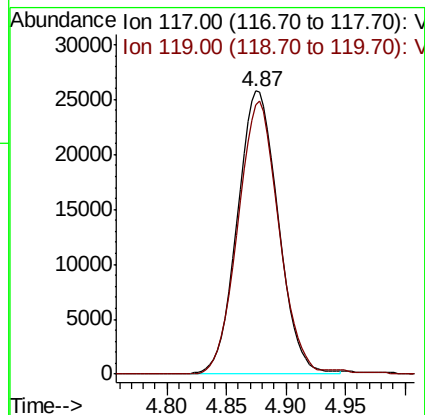
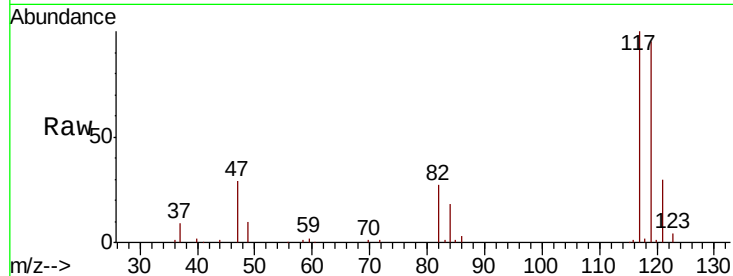
VSTD02573

Tgt Ion:117 Resp: 61461

Ion Ratio Lower Upper

117 100

119 95.8 76.5 114.7



#34

Benzene

Concen: 25.931 ug/L

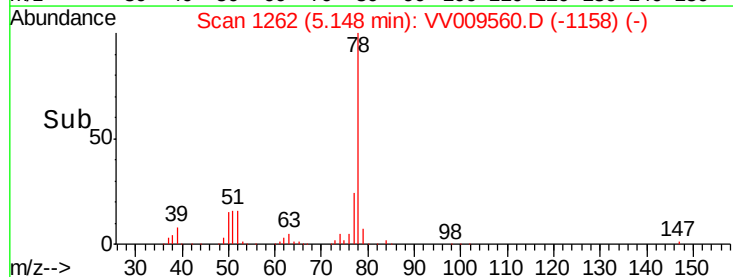
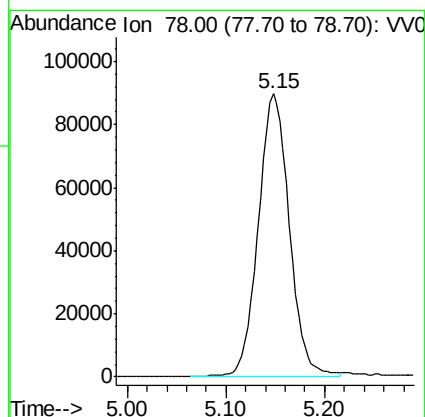
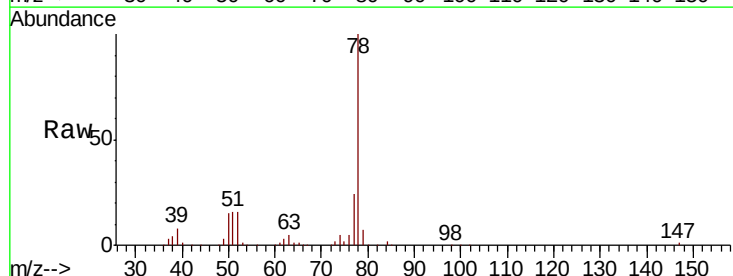
RT: 5.15 min Scan# 1262

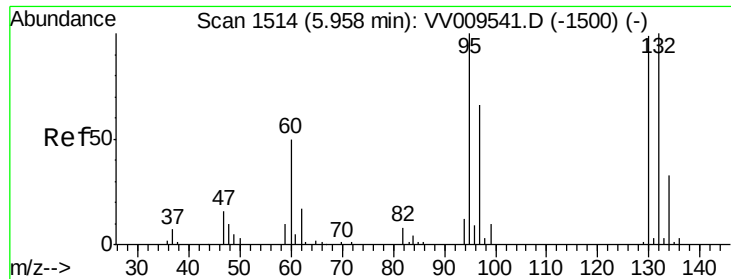
Delta R.T. 0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Tgt Ion: 78 Resp: 195054

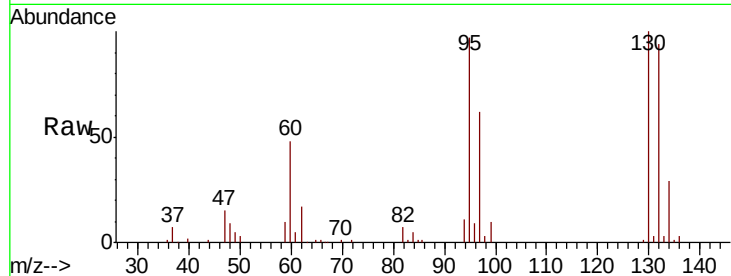




#35
 Trichloroethene
 Concen: 24.337 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

Tgt Ion: 95 Resp: 52609
 Ion Ratio Lower Upper
 95 100
 97 63.4 44.3 82.3
 132 96.0 64.4 119.6
 130 100.2 69.4 128.8



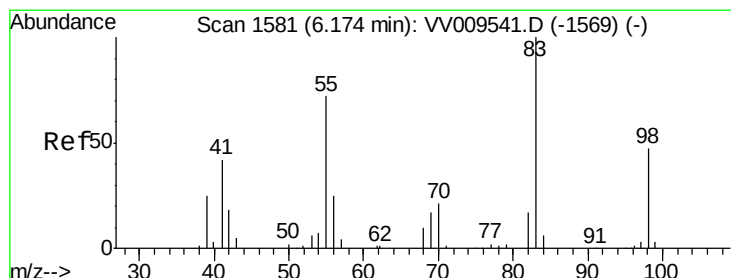
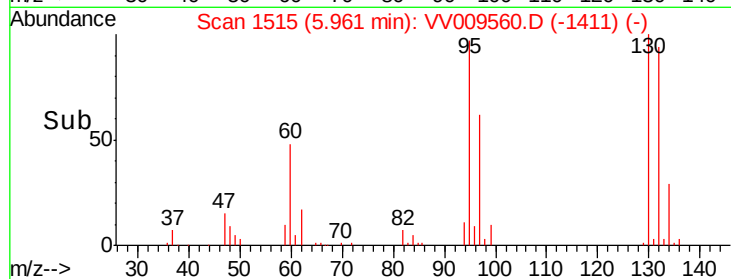
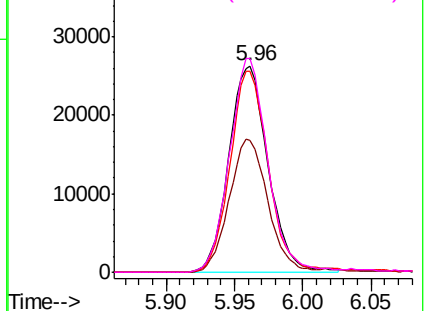
Abundance

Ion 95.00 (94.70 to 95.70): VV009541.D (-1500) (-)

Ion 97.00 (96.70 to 97.70): VV009541.D (-1500) (-)

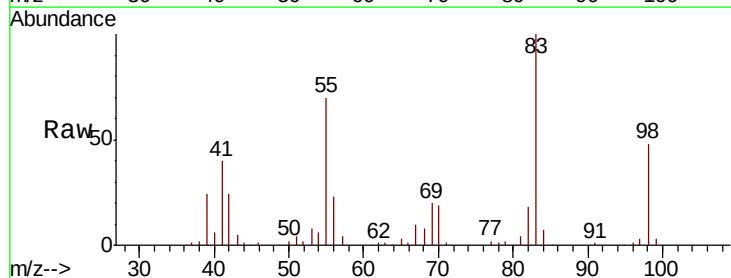
Ion 132.00 (131.70 to 132.70): VV009541.D (-1500) (-)

Ion 130.00 (129.70 to 130.70): VV009541.D (-1500) (-)



#36
 Methylcyclohexane
 Concen: 20.758 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

Tgt Ion: 83 Resp: 73100
 Ion Ratio Lower Upper
 83 100
 55 72.2 58.8 88.2
 98 47.9 37.7 56.5

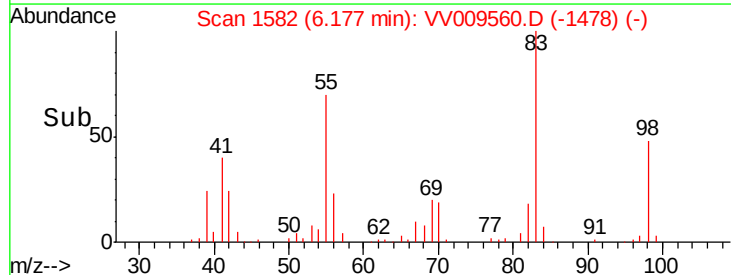
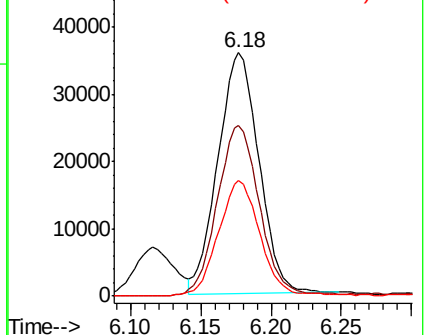


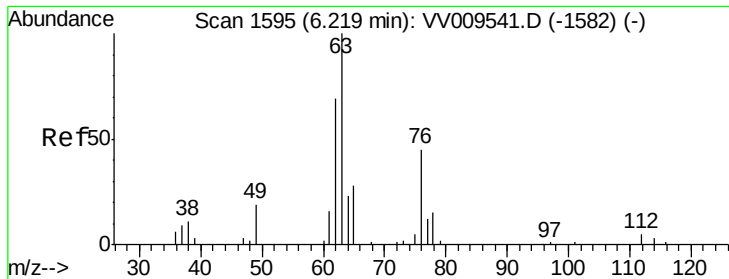
Abundance

Ion 83.00 (82.70 to 83.70): VV009541.D (-1569) (-)

Ion 55.00 (54.70 to 55.70): VV009541.D (-1569) (-)

Ion 98.00 (97.70 to 98.70): VV009541.D (-1569) (-)

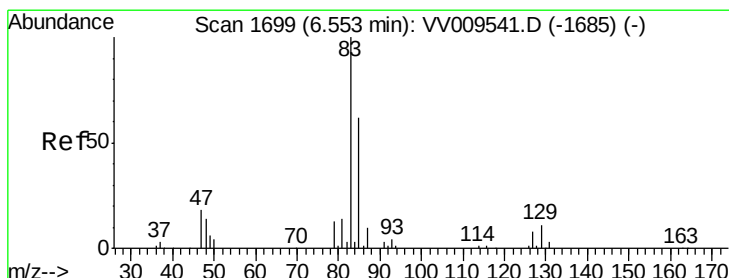
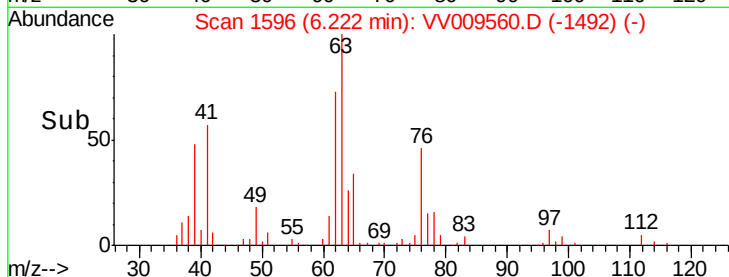
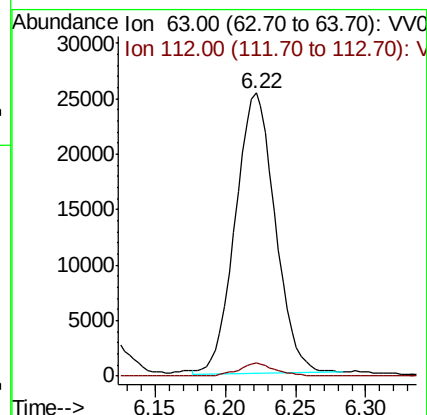
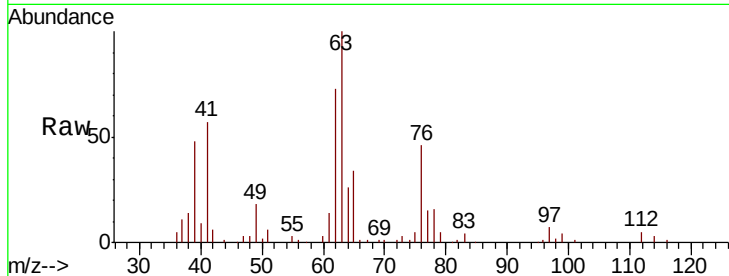




#40
 1,2-Dichloropropane
 Concen: 25.743 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

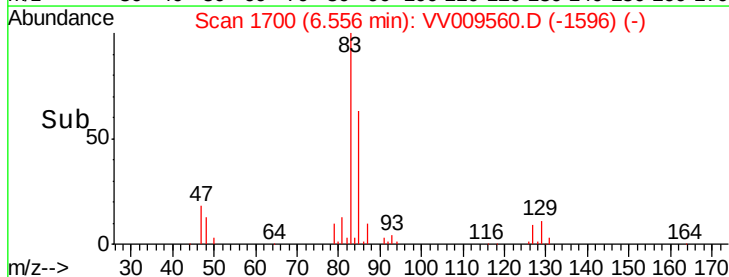
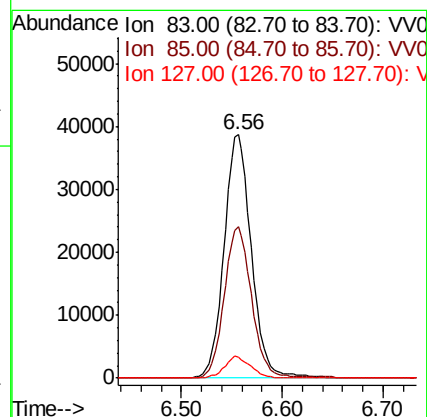
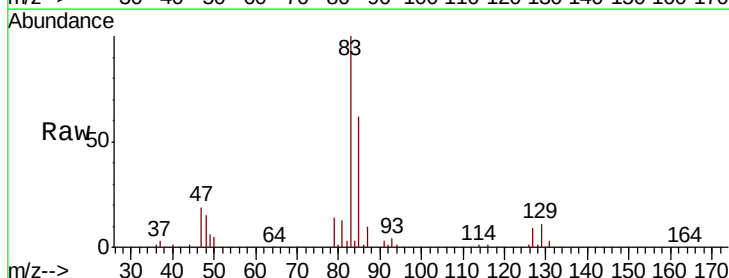
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

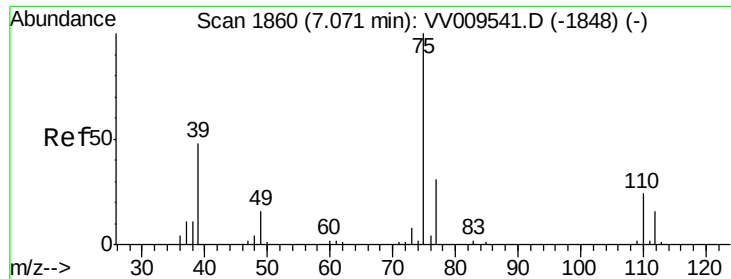
Tgt Ion: 63 Resp: 49928
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.0 4.4



#41
 Bromodichloromethane
 Concen: 27.909 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

Tgt Ion: 83 Resp: 73061
 Ion Ratio Lower Upper
 83 100
 85 62.0 46.5 86.3
 127 8.6 7.2 10.8



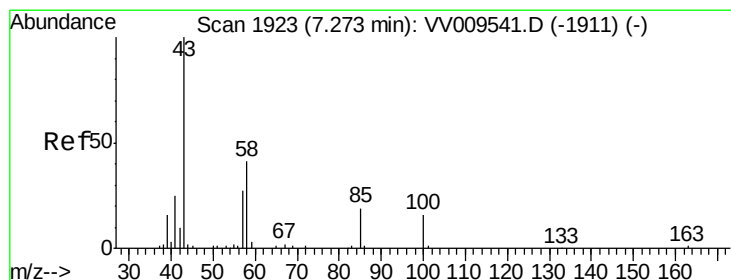
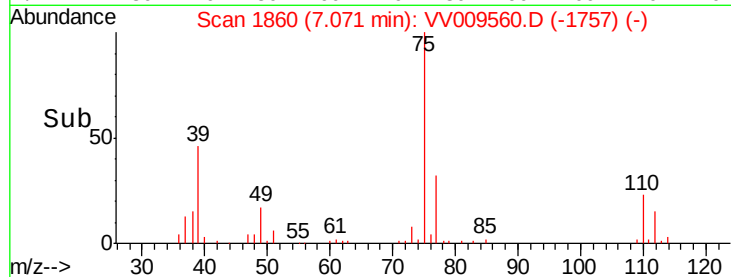
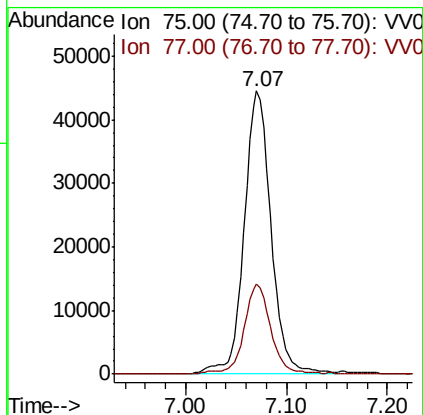
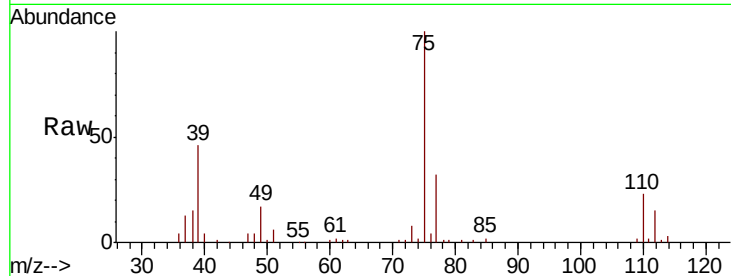


#42

cis-1,3-Dichloropropene
 Concen: 27.152 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

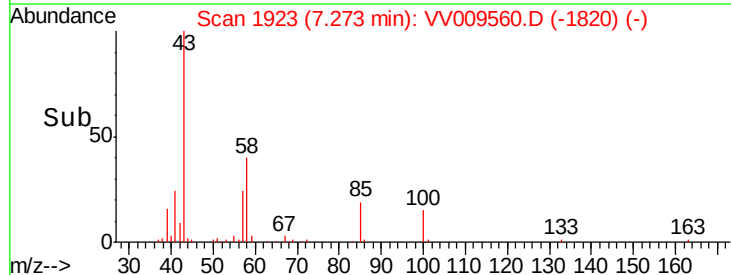
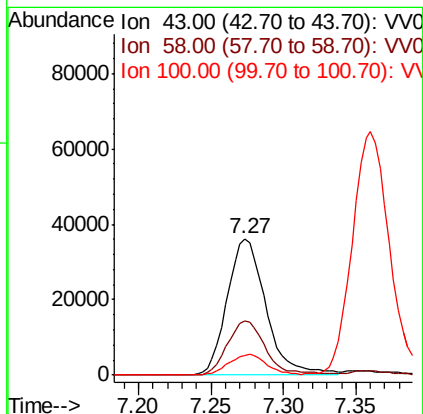
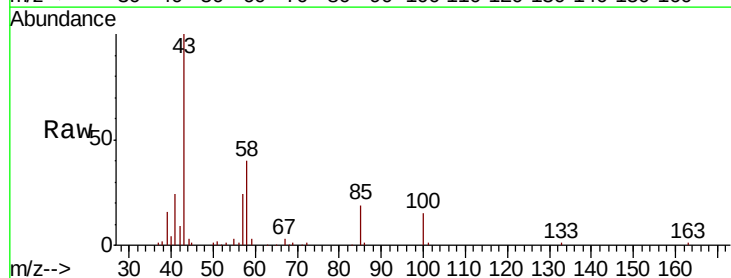
Tgt Ion: 75 Resp: 81756
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.4 39.8

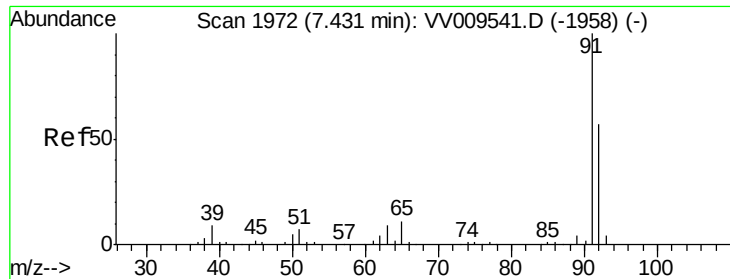


#43

4-Methyl-2-pentanone
 Concen: 43.872 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

Tgt Ion: 43 Resp: 67075
 Ion Ratio Lower Upper
 43 100
 58 39.0 31.9 47.9
 100 14.9 12.8 19.2





#44

Toluene

Concen: 25.814 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

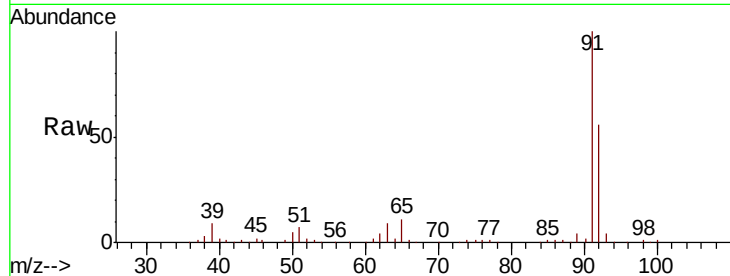
VSTD02573

Tgt Ion: 91 Resp: 219488

Ion Ratio Lower Upper

91 100

92 56.4 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009541.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009541.D (-1958) (-)

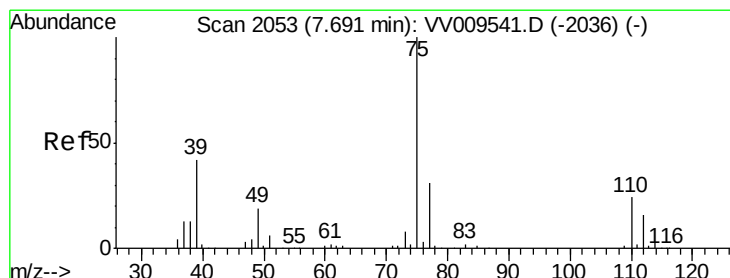
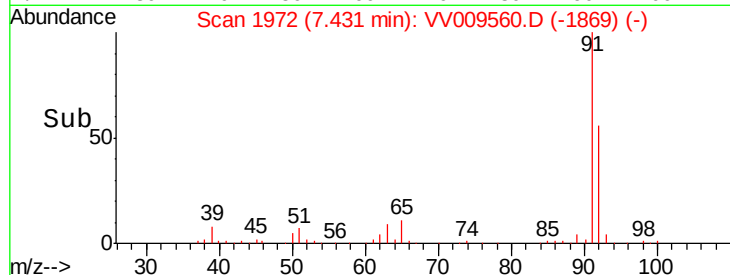
7.43

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.172 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009560.D

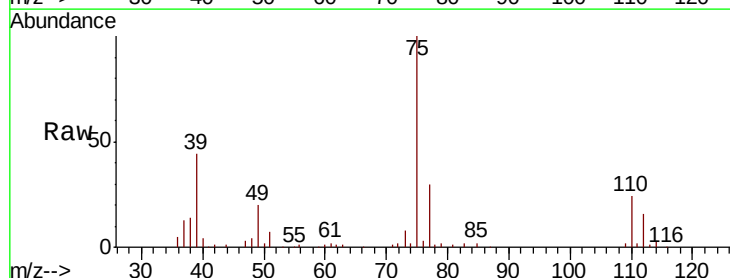
Acq: 09 Mar 2019 00:41

Tgt Ion: 75 Resp: 68824

Ion Ratio Lower Upper

75 100

77 30.3 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009541.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009541.D (-2036) (-)

7.69

40000

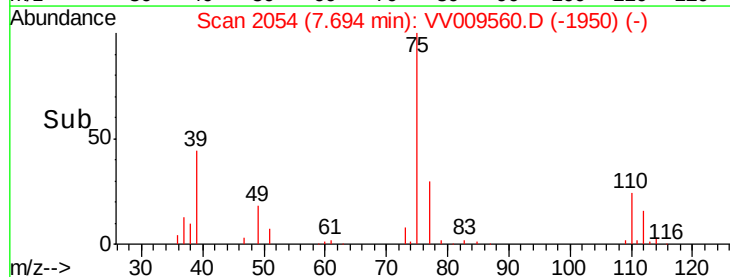
30000

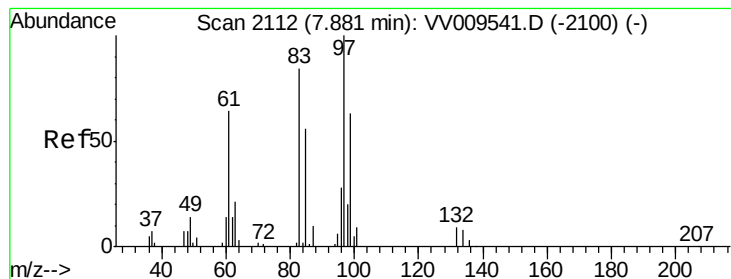
20000

10000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 26.056 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

Tgt Ion: 97 Resp: 41985

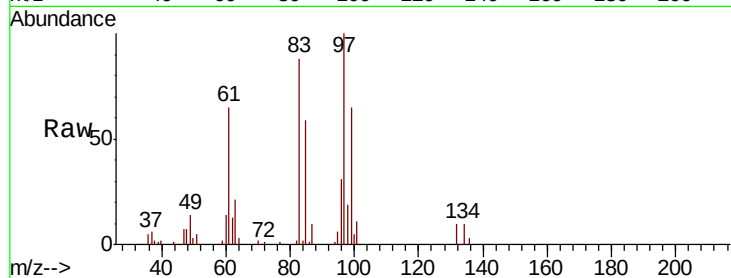
Ion Ratio Lower Upper

97 100

83 87.5 63.8 118.6

85 59.4 39.5 73.4

99 64.6 45.9 85.3

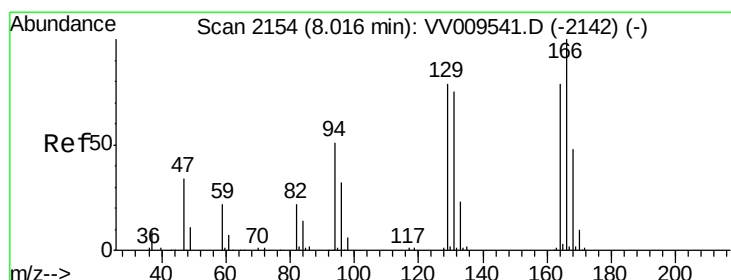
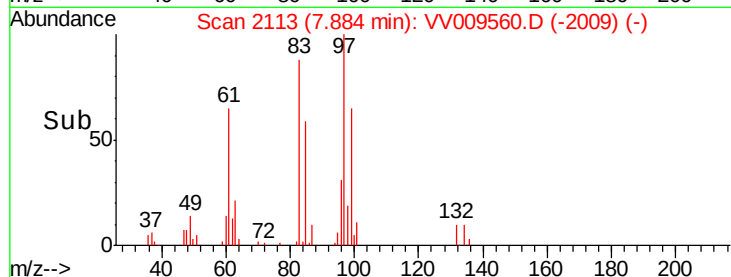
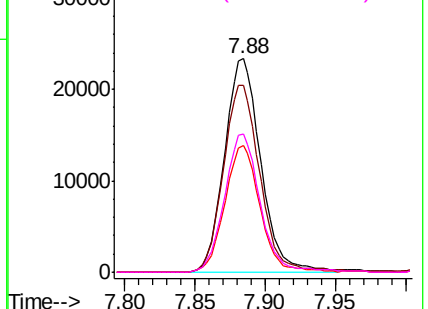


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 23.754 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Tgt Ion: 164 Resp: 38947

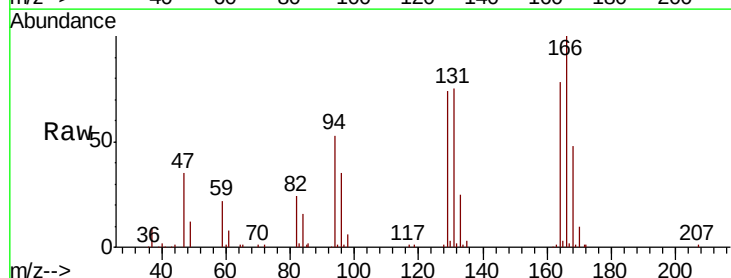
Ion Ratio Lower Upper

164 100

129 95.6 67.7 125.7

131 96.4 67.5 125.3

166 128.7 81.6 151.6

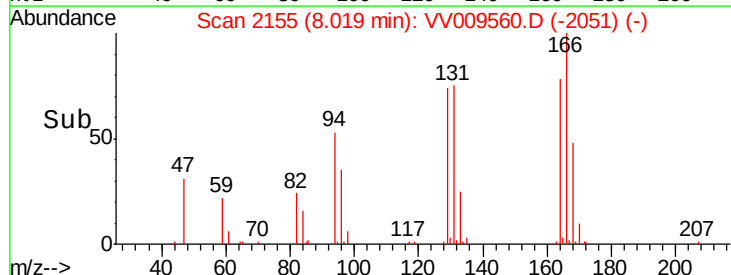
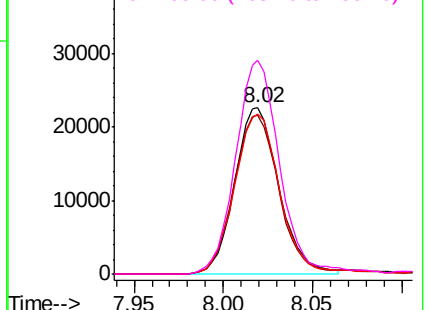


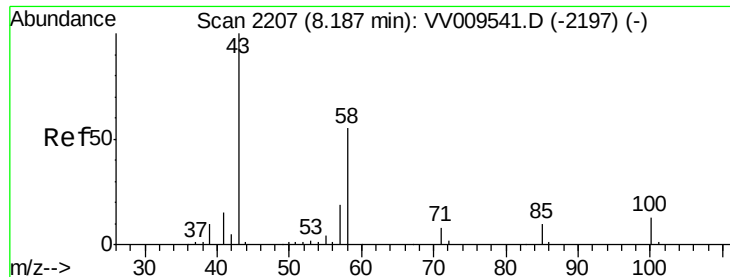
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

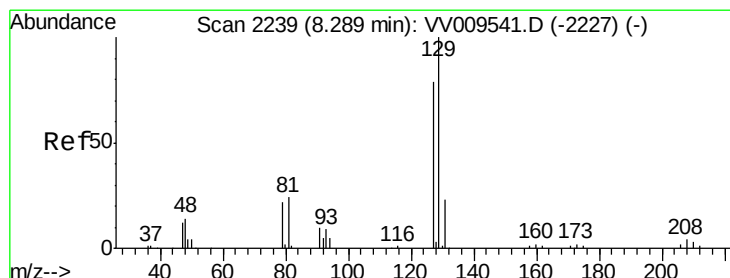
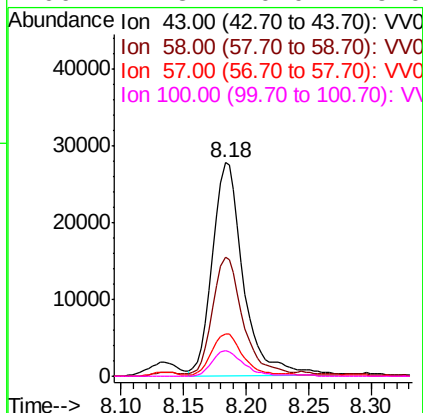
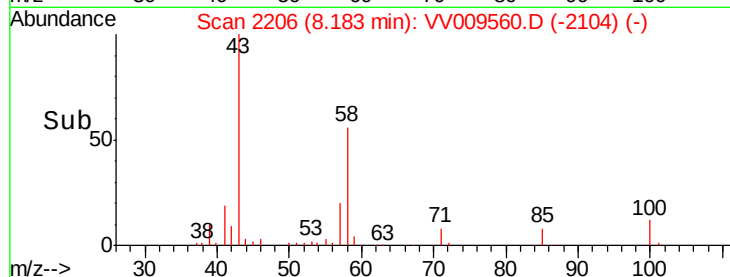
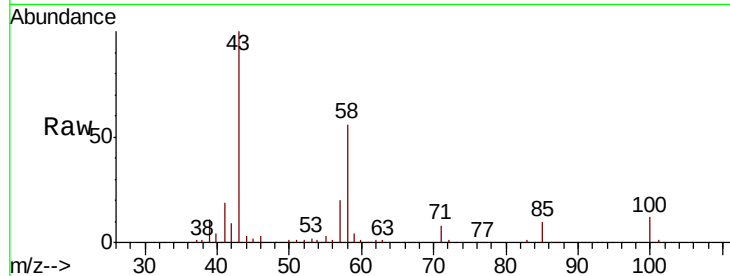




#49
2-Hexanone
Concen: 41.219 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009560.D
Acq: 09 Mar 2019 00:41

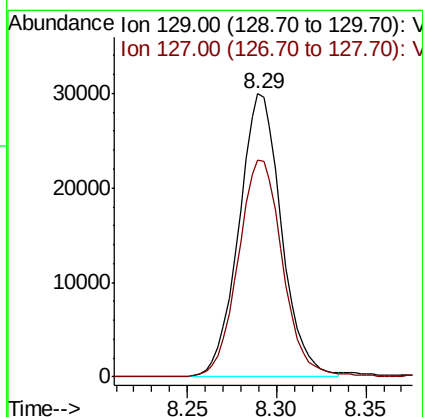
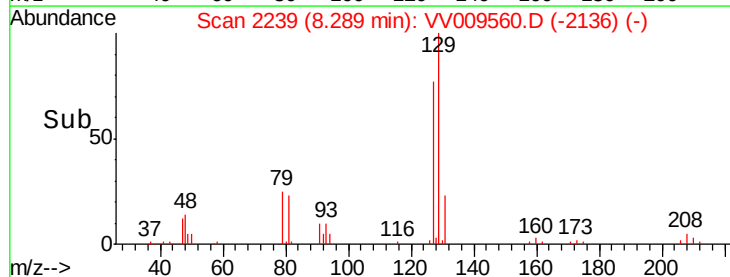
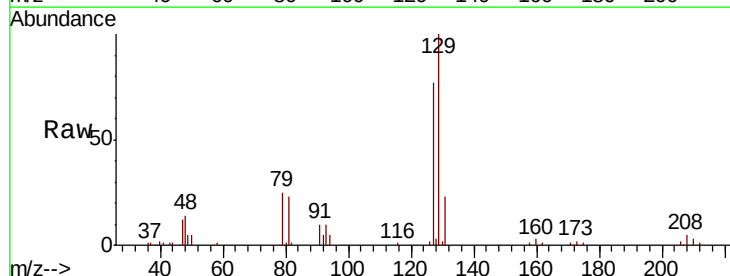
Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

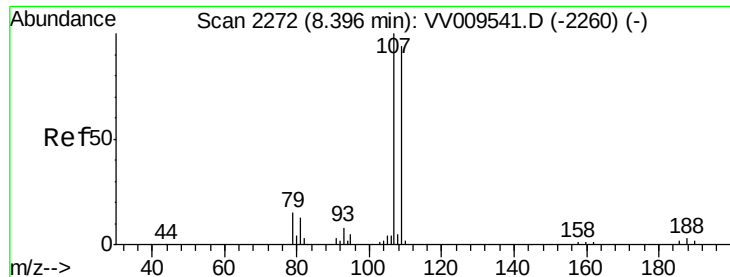
Tgt Ion: 43 Resp: 47653
Ion Ratio Lower Upper
43 100
58 55.2 46.3 69.5
57 20.1 15.8 23.6
100 12.3 10.0 15.0



#50
Dibromochloromethane
Concen: 25.596 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009560.D
Acq: 09 Mar 2019 00:41

Tgt Ion: 129 Resp: 49932
Ion Ratio Lower Upper
129 100
127 76.7 53.7 99.7





#51

1,2-Dibromoethane

Concen: 25.237 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

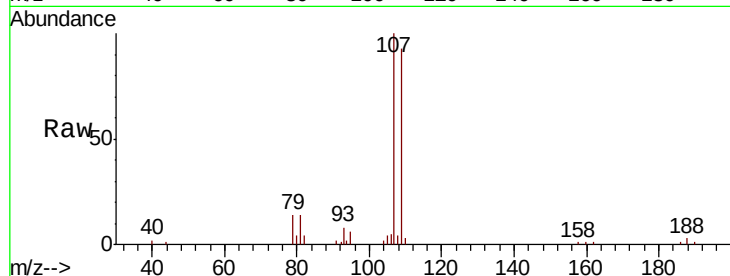
Tgt Ion:107 Resp: 42015

Ion Ratio Lower Upper

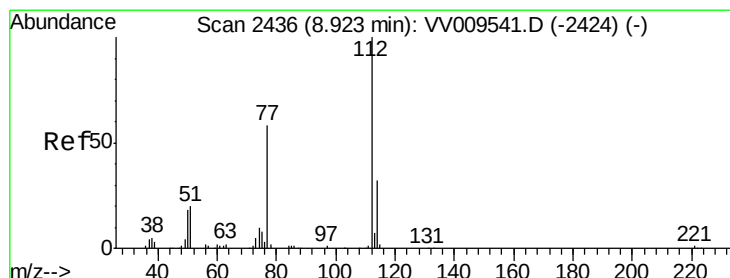
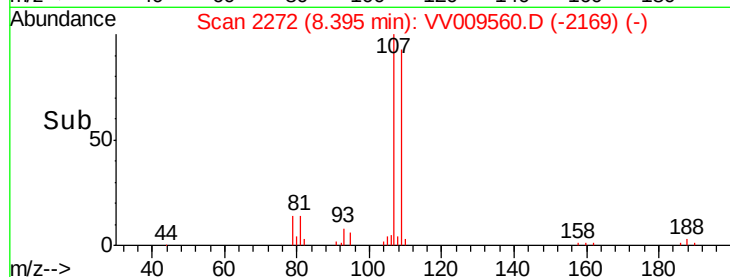
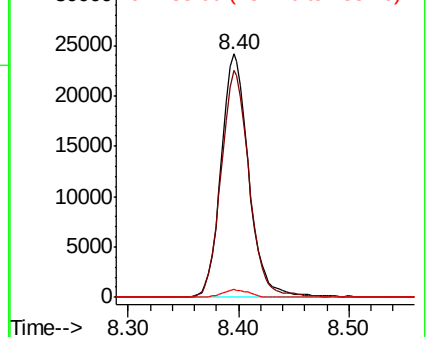
107 100

109 93.4 65.6 121.8

188 3.1 2.3 3.5



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 26.230 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

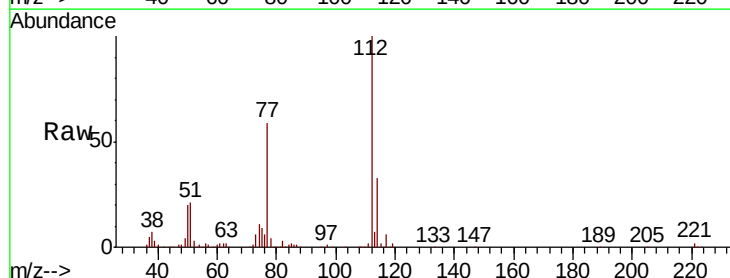
Tgt Ion:112 Resp: 147824

Ion Ratio Lower Upper

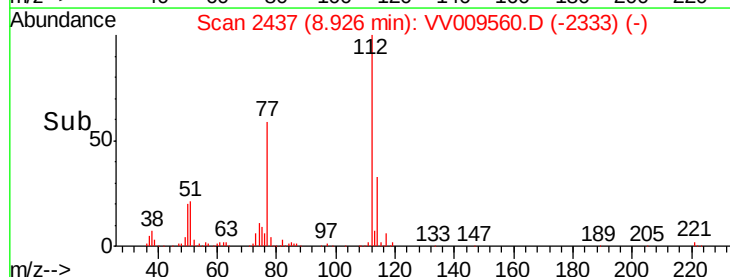
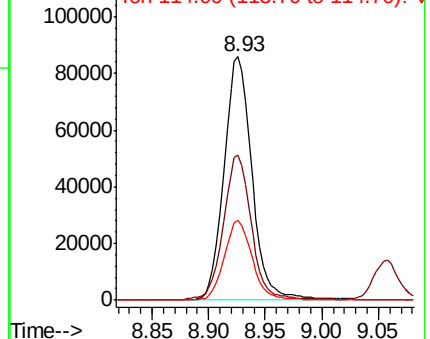
112 100

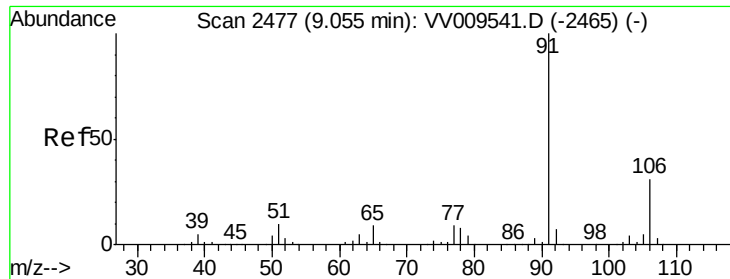
77 59.4 45.0 67.6

114 32.6 22.9 42.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.310 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

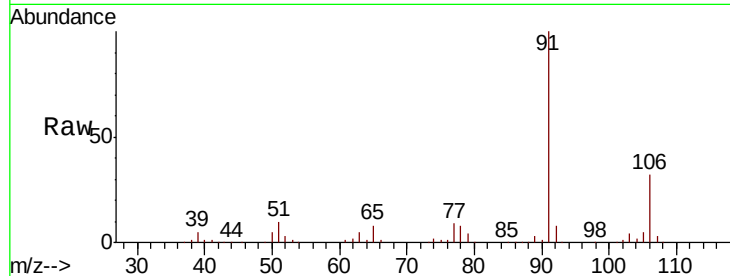
VSTD02573

Tgt Ion: 91 Resp: 246253

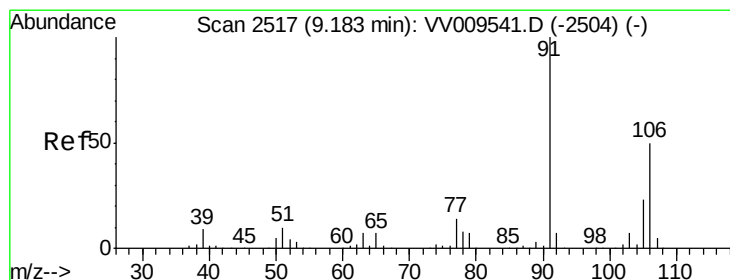
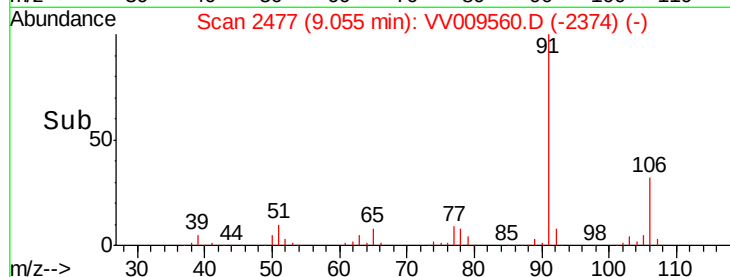
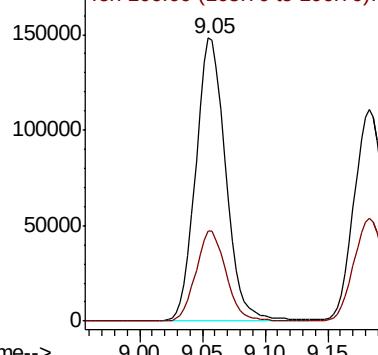
Ion Ratio Lower Upper

91 100

106 31.9 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV009541.D (-2465) (-)



#54

m,p-Xylene

Concen: 25.695 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009560.D

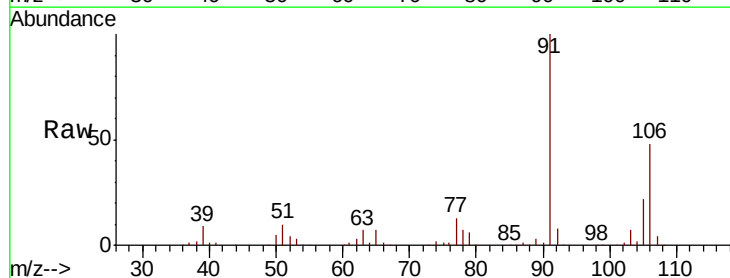
Acq: 09 Mar 2019 00:41

Tgt Ion: 106 Resp: 94621

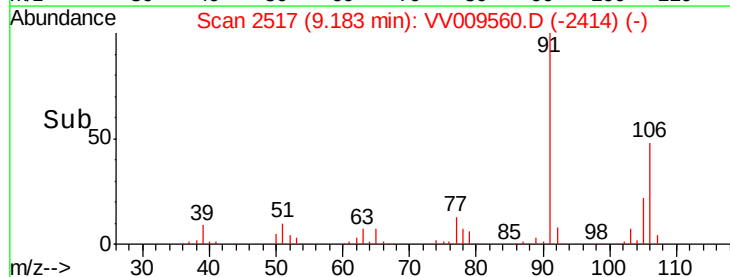
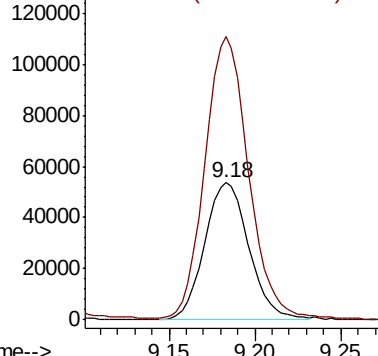
Ion Ratio Lower Upper

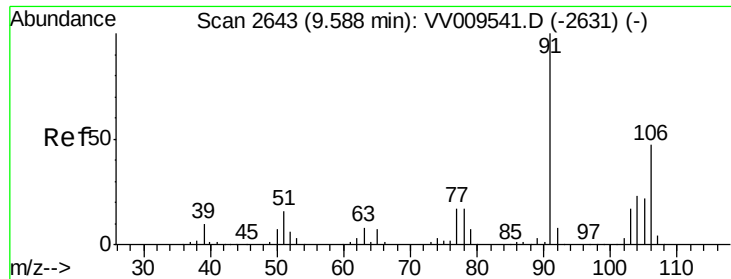
106 100

91 206.5 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): VV009560.D (-2414) (-)

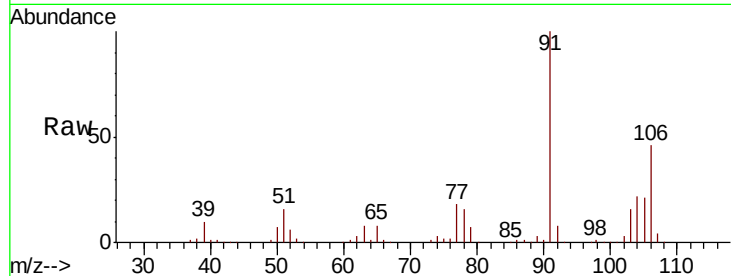




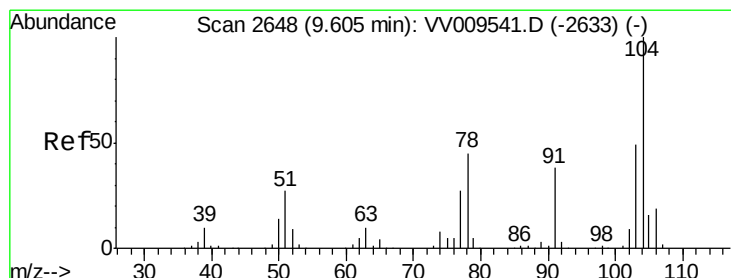
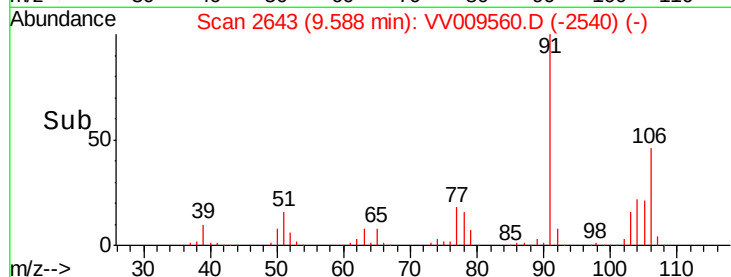
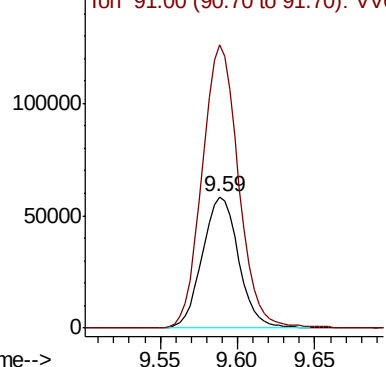
#55
o-xylene
Concen: 26.784 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009560.D
Acq: 09 Mar 2019 00:41

Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

Tgt Ion:106 Resp: 95107
Ion Ratio Lower Upper
106 100
91 215.8 143.8 267.0

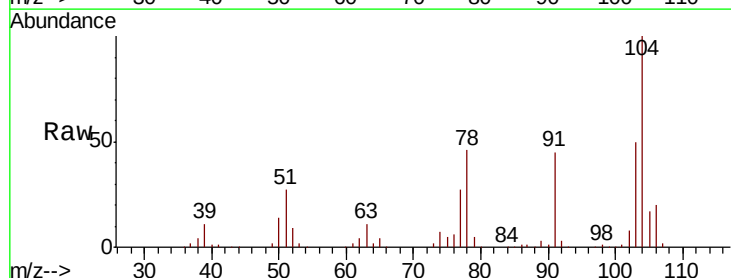


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

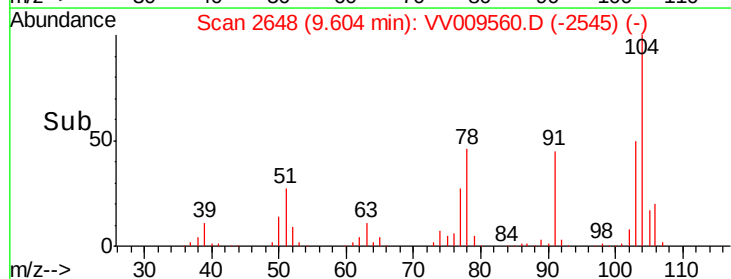
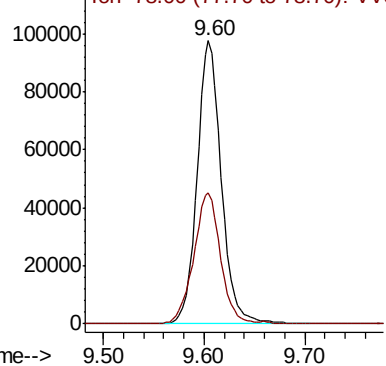


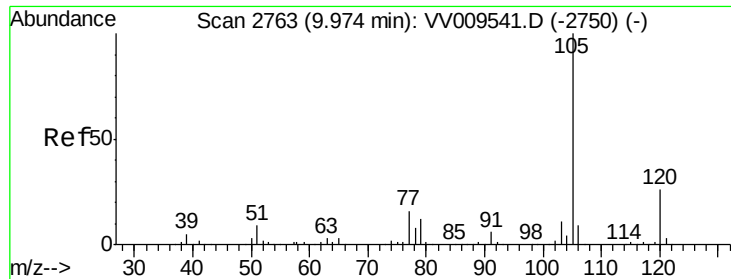
#56
Styrene
Concen: 27.952 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009560.D
Acq: 09 Mar 2019 00:41

Tgt Ion:104 Resp: 163295
Ion Ratio Lower Upper
104 100
78 46.4 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 24.892 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

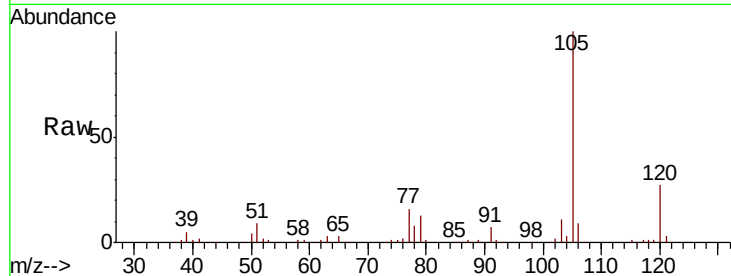
Tgt Ion: 105 Resp: 243797

Ion Ratio Lower Upper

105 100

120 26.9 21.4 32.2

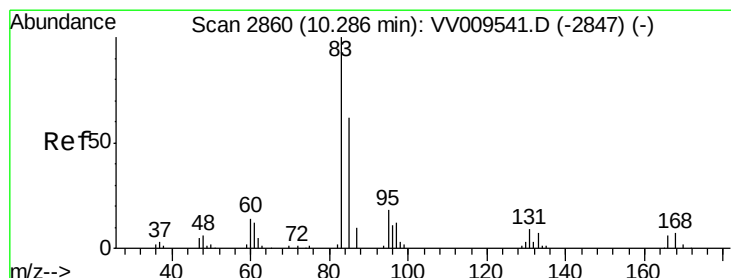
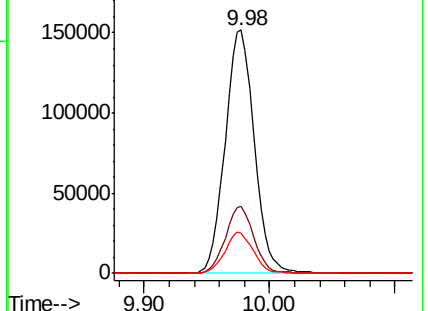
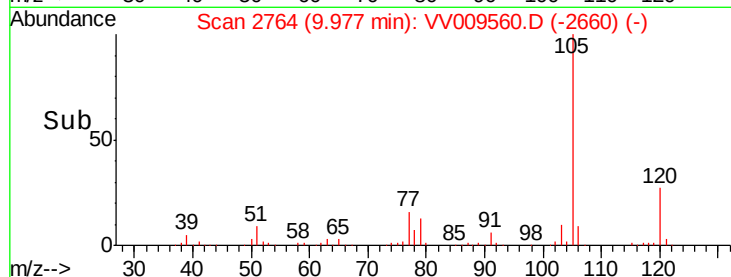
77 16.5 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.098 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

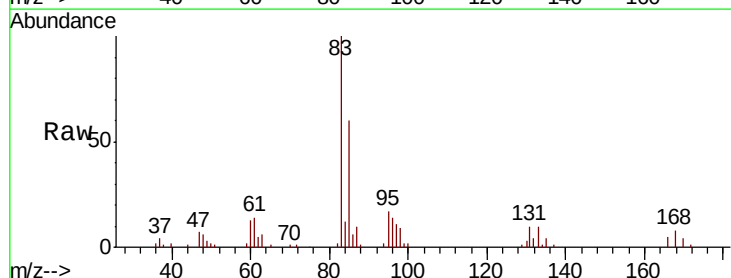
Tgt Ion: 83 Resp: 57103

Ion Ratio Lower Upper

83 100

85 60.5 44.7 83.1

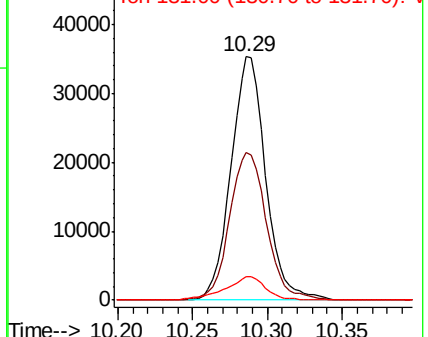
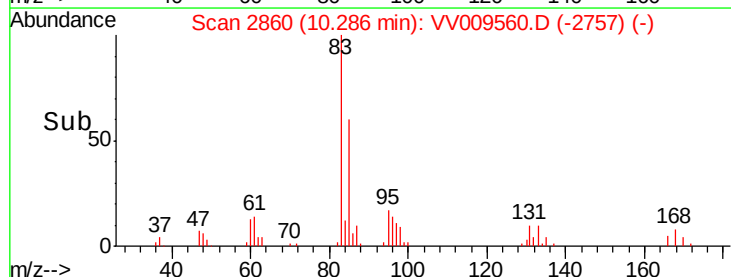
131 9.5 7.0 10.6

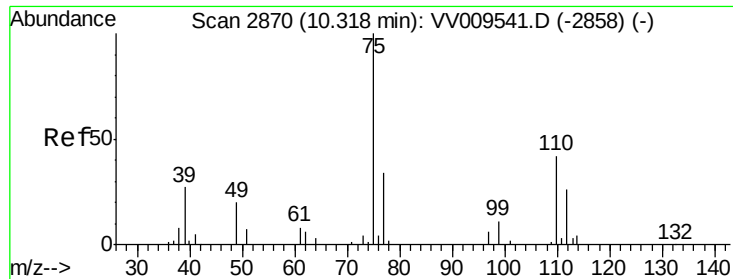


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 23.687 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

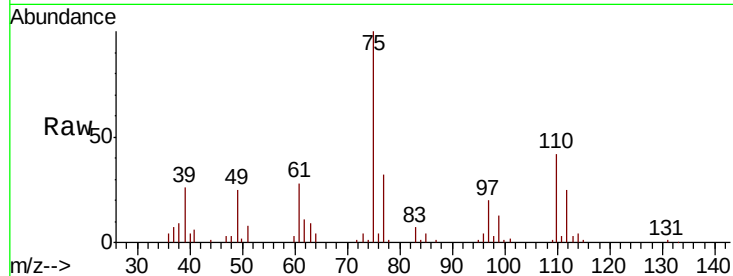
VSTD02573

Tgt Ion: 75 Resp: 38849

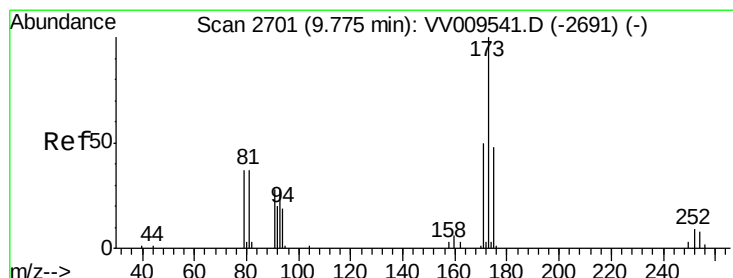
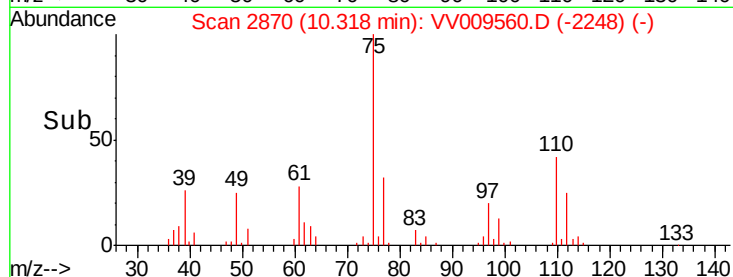
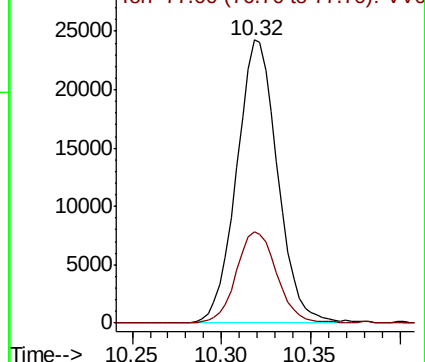
Ion Ratio Lower Upper

75 100

77 31.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV009541.D (-2858) (-)



#62

Bromoform

Concen: 21.871 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

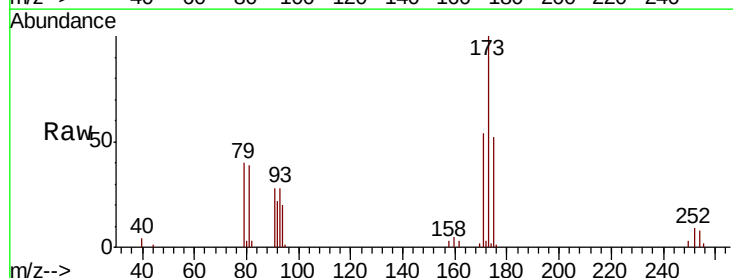
Tgt Ion: 173 Resp: 26551

Ion Ratio Lower Upper

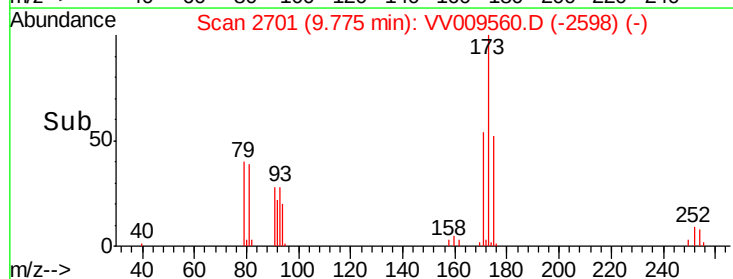
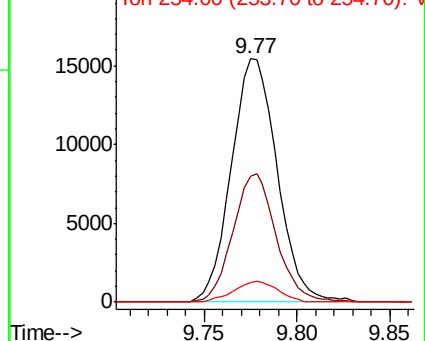
173 100

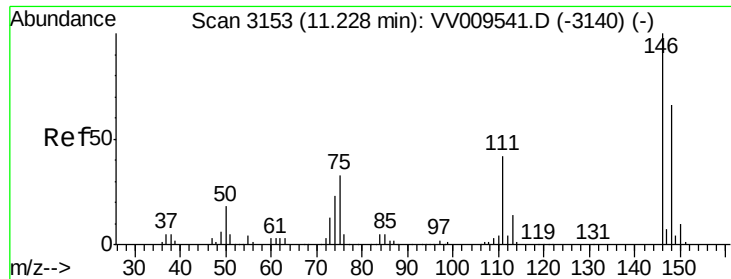
175 49.7 38.8 58.2

254 8.2 5.8 8.8



Abundance Ion 173.00 (172.70 to 173.70): VV009541.D (-2691) (-)

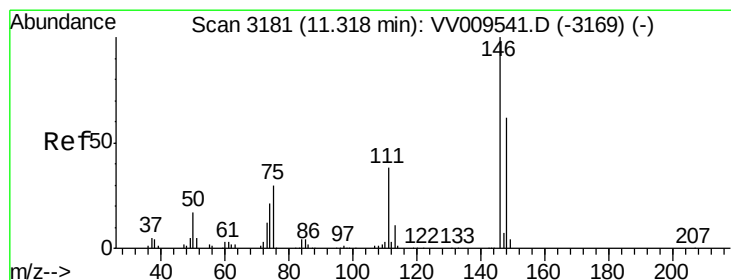
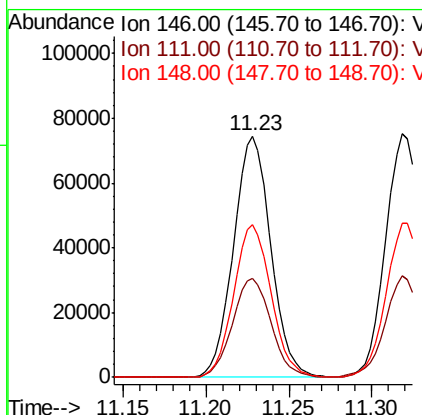
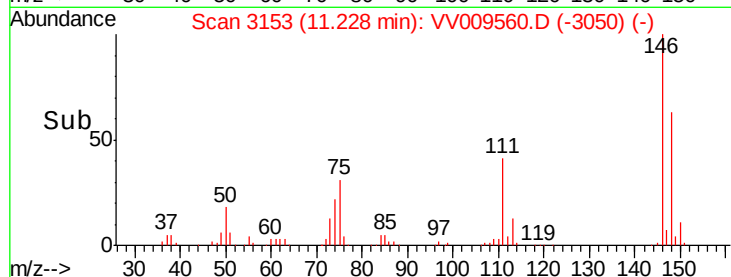
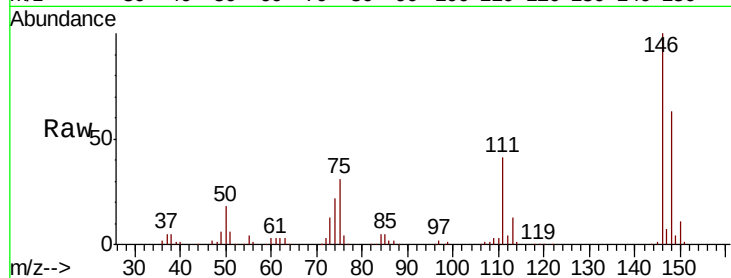




#63
 1,3-Dichlorobenzene
 Concen: 24.957 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

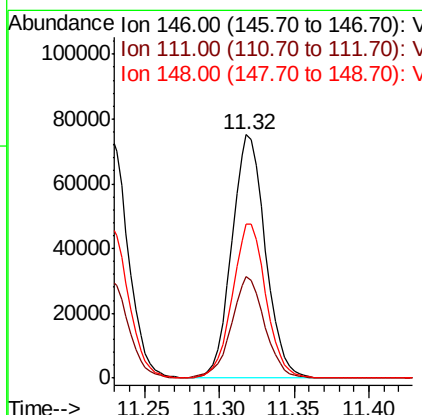
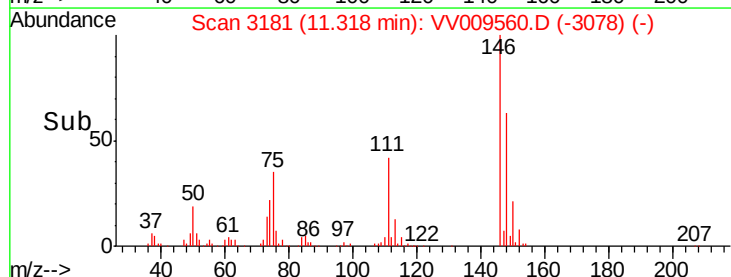
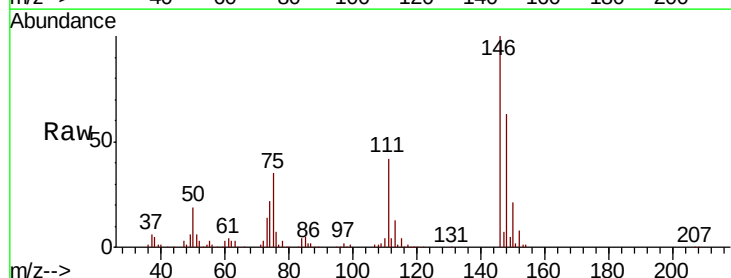
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

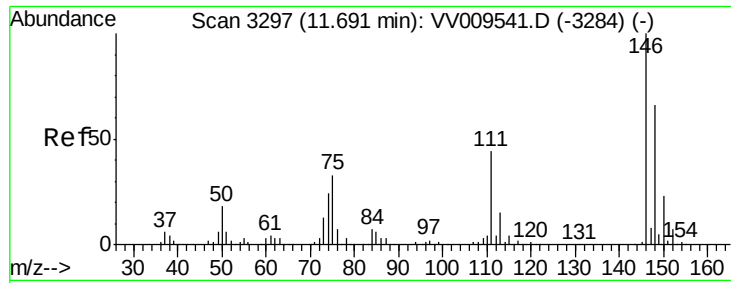
Tgt Ion:146 Resp: 116620
 Ion Ratio Lower Upper
 146 100
 111 40.9 29.6 55.0
 148 63.3 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 24.627 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

Tgt Ion:146 Resp: 117593
 Ion Ratio Lower Upper
 146 100
 111 41.6 29.2 54.2
 148 63.3 43.0 79.8

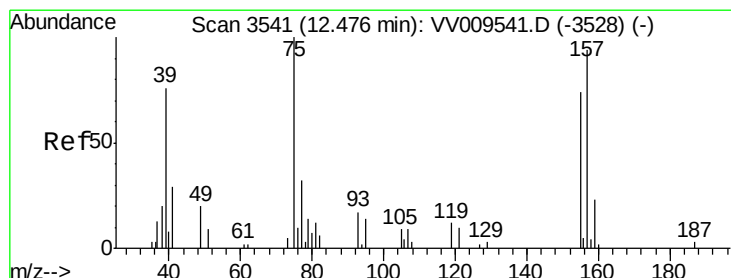
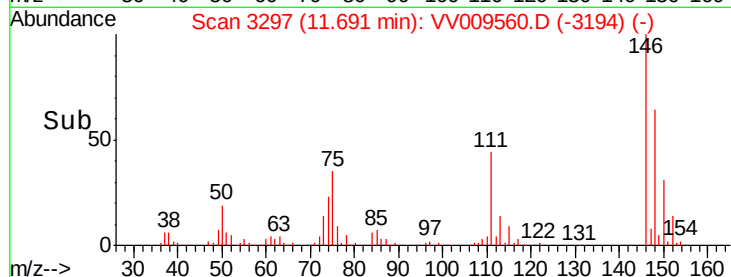
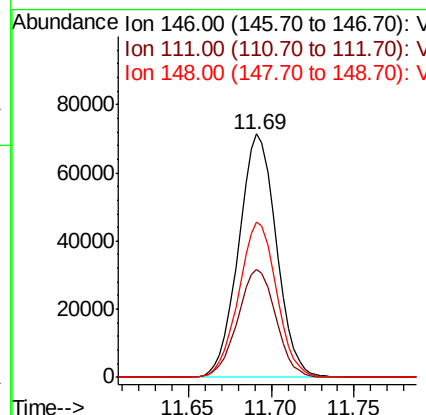
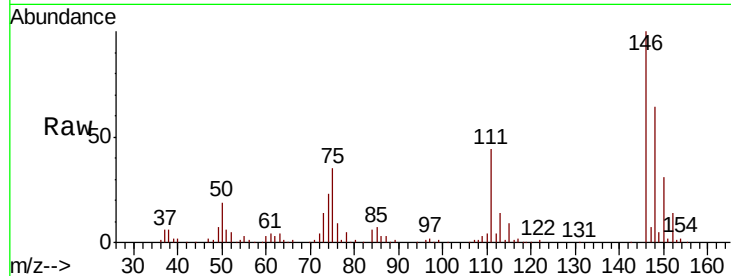




#65
 1,2-Dichlorobenzene
 Concen: 25.940 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

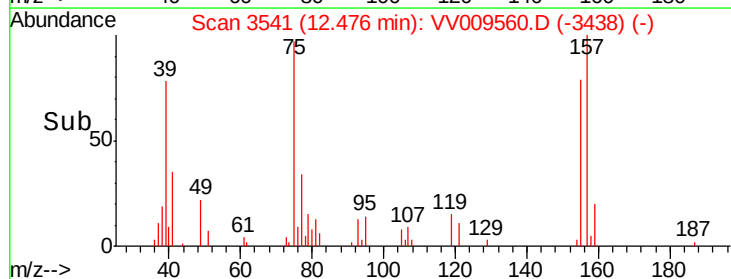
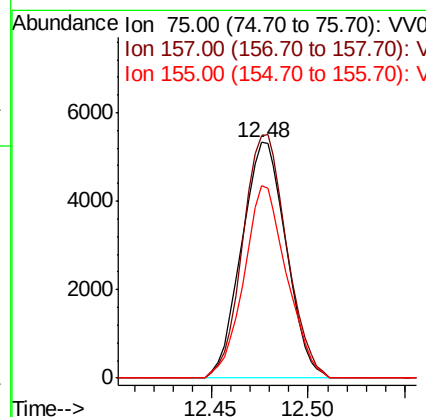
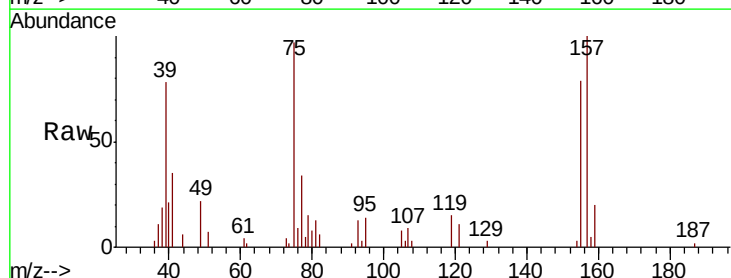
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

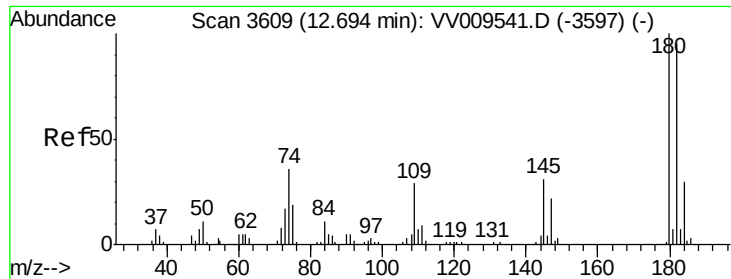
Tgt Ion: 146 Resp: 113039
 Ion Ratio Lower Upper
 146 100
 111 44.3 35.4 53.0
 148 63.5 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 19.540 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

Tgt Ion: 75 Resp: 8529
 Ion Ratio Lower Upper
 75 100
 157 103.1 81.0 121.4
 155 81.9 61.2 91.8

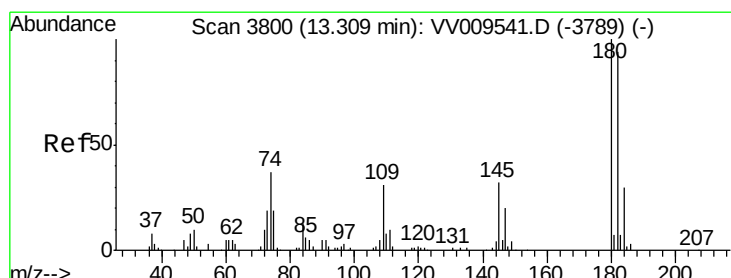
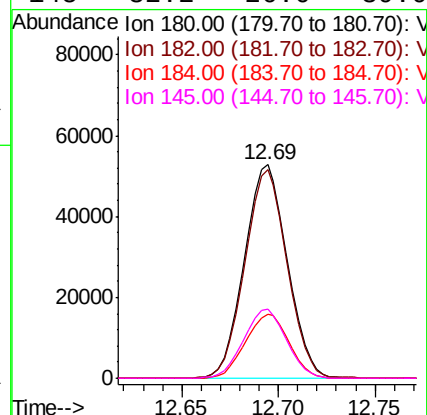
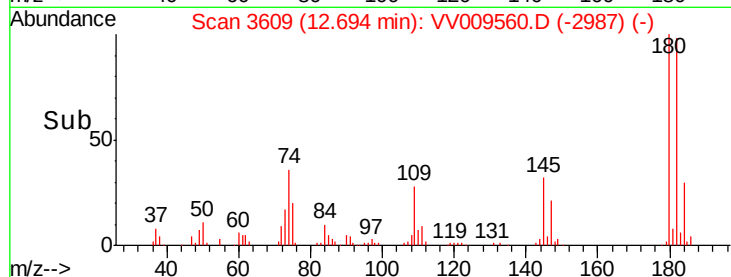
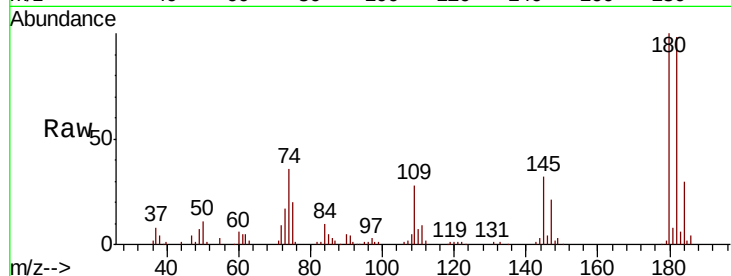




#67
 1,3,5-Trichlorobenzene
 Concen: 24.293 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

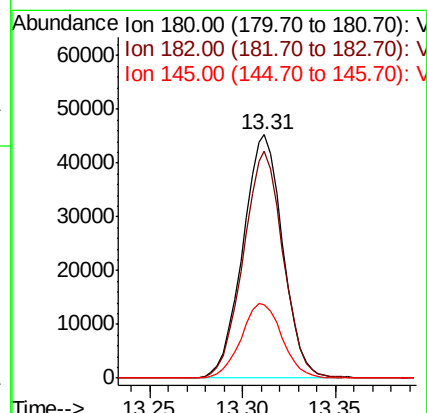
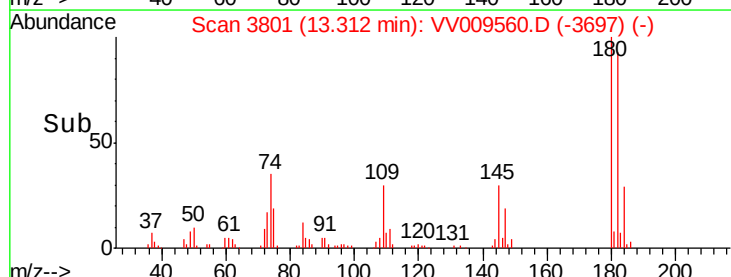
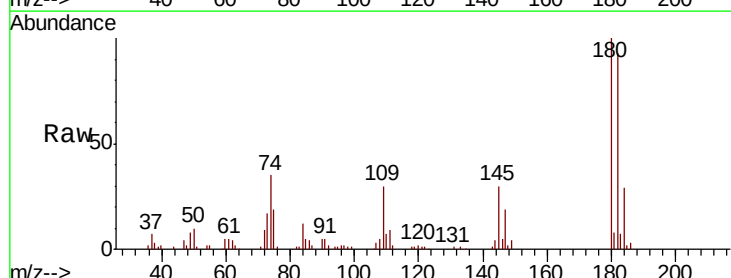
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

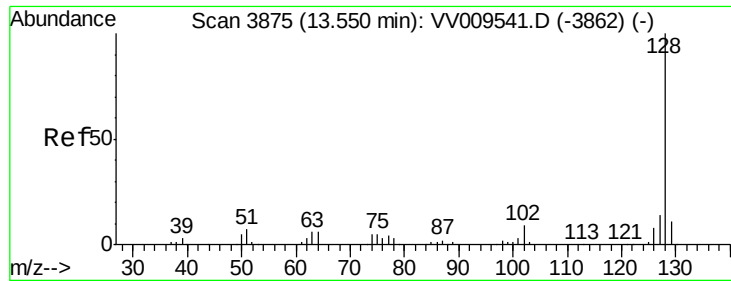
Tgt Ion:180 Resp: 81427
 Ion Ratio Lower Upper
 180 100
 182 96.4 75.4 113.2
 184 30.4 23.9 35.9
 145 32.2 26.0 39.0



#68
 1,2,4-trichlorobenzene
 Concen: 25.194 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009560.D
 Acq: 09 Mar 2019 00:41

Tgt Ion:180 Resp: 67611
 Ion Ratio Lower Upper
 180 100
 182 93.1 75.9 113.9
 145 31.4 26.2 39.4





#69

Naphthalene

Concen: 21.895 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

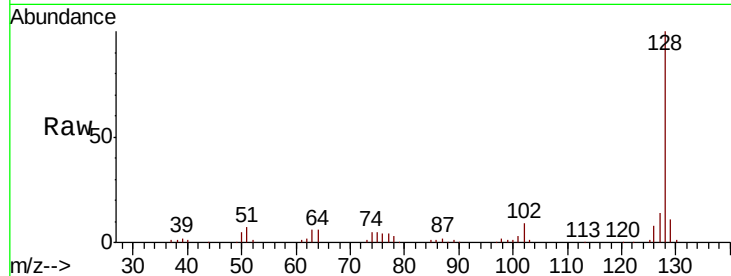
Tgt Ion:128 Resp: 123760

Ion Ratio Lower Upper

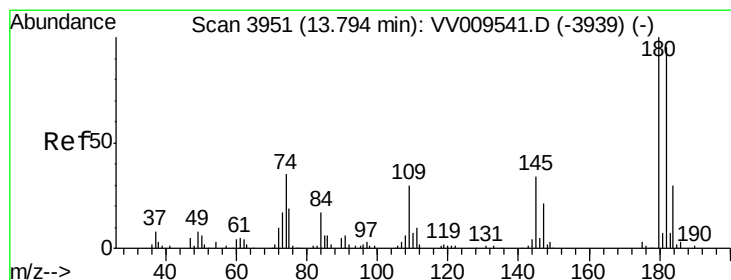
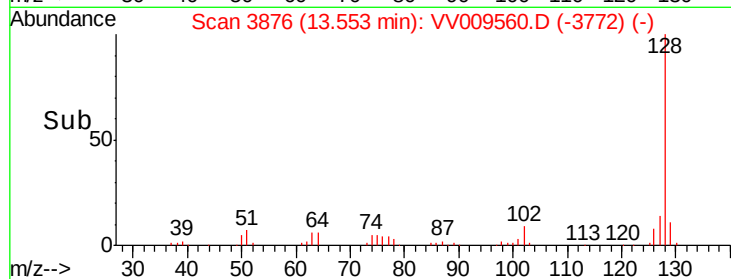
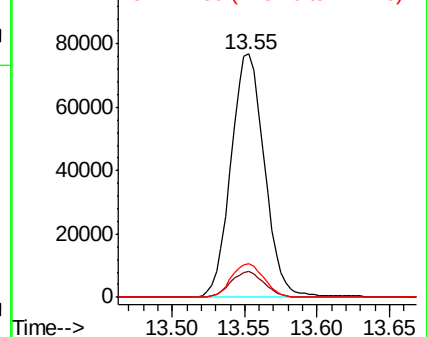
128 100

129 10.6 8.8 13.2

127 13.7 10.6 16.0



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: 25.163 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009560.D

Acq: 09 Mar 2019 00:41

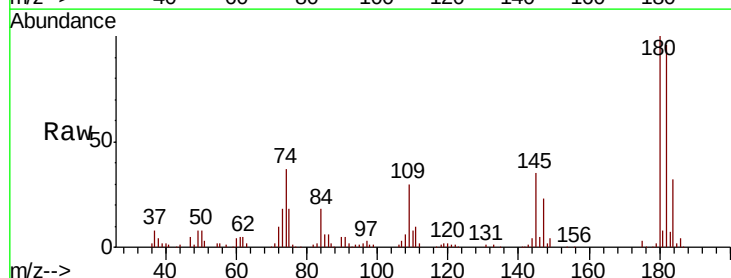
Tgt Ion:180 Resp: 62123

Ion Ratio Lower Upper

180 100

182 95.9 74.2 111.2

145 33.8 27.7 41.5



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

