

Data File : VV012956.D
Acq On : 24 Sep 2019 00:15
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02568

Quant Time: Sep 24 07:44:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 07:38:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	909374	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	905438	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	476729	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	288630	20.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.84%
7) Chloroethane-d5	1.57	69	249847	21.90	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.60%
10) 1,1-Dichloroethene-d2	2.12	63	477823	20.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.44%
20) 2-Butanone-d5	3.92	46	260541	53.48	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.96%
24) Chloroform-d	4.39	84	574945	23.01	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.04%
26) 1,2-Dichloroethane-d4	5.07	65	339429	23.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.48%
29) Benzene-d6	5.09	84	1179107	23.32	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.28%
33) 1,2-Dichloropropane-d6	6.11	67	376575	23.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.08%
37) Toluene-d8	7.36	98	1090458	23.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.04%
38) trans-1,3-Dichloropropene-	7.66	79	160444	23.91	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.64%
39) 2-Hexanone-d5	8.13	63	189605	59.46	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	118.92%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	367829	24.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	433436	23.40	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	233156	23.281	ug/L	98
3) Chloromethane	1.25	50	300339	22.964	ug/L	99
5) Vinyl chloride	1.32	62	288680	22.357	ug/L	99
6) Bromomethane	1.52	94	182454	22.636	ug/L	99
8) Chloroethane	1.59	64	188112	23.708	ug/L	99
9) Trichlorofluoromethane	1.76	101	371947	21.298	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	231745	20.762	ug/L	99
12) 1,1-Dichloroethene	2.13	96	225943	21.979	ug/L	95
13) Acetone	2.18	43	200597	38.739	ug/L	98
14) Carbon disulfide	2.31	76	712727	21.705	ug/L	100
15) Methyl Acetate	2.45	43	204811	25.502	ug/L	99
16) Methylene chloride	2.53	84	362786	26.690	ug/L	99
17) Methyl tert-butyl Ether	2.79	73	812894	26.950	ug/L	100
18) trans-1,2-Dichloroethene	2.78	96	287823	23.654	ug/L	99
19) 1,1-Dichloroethane	3.22	63	536486	24.161	ug/L	99
21) 2-Butanone	4.00	43	272595	45.235	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	340327	25.556	ug/L	98

Data File : VV012956.D
Acq On : 24 Sep 2019 00:15
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

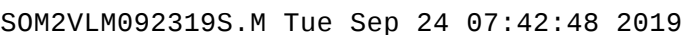
Instrument :
MSVOA_V
ClientSampleId :
VSTD02568

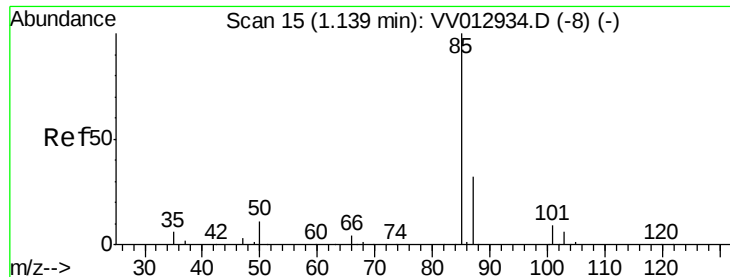
Quant Time: Sep 24 07:44:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 07:38:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	163104	24.796	ug/L	98
25) Chloroform	4.42	83	555199	23.847	ug/L	100
27) 1,2-Dichloroethane	5.17	62	411648	25.016	ug/L	100
30) Cyclohexane	4.72	56	434534	22.370	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	408412	22.791	ug/L	98
32) Carbon tetrachloride	4.87	117	353652	21.765	ug/L	99
34) Benzene	5.14	78	1228667	24.378	ug/L	100
35) Trichloroethene	5.95	95	322506	22.970	ug/L	99
36) Methylcyclohexane	6.17	83	475589	22.066	ug/L	99
40) 1,2-Dichloropropane	6.22	63	330587	25.223	ug/L	100
41) Bromodichloromethane	6.55	83	414661	24.700	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	493627	25.632	ug/L	97
43) 4-Methyl-2-pentanone	7.27	43	572541	53.169	ug/L	98
44) Toluene	7.43	91	1325204	24.930	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	413191	25.492	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	281530	25.301	ug/L	99
47) Tetrachloroethene	8.02	164	357089	31.293	ug/L	99
49) 2-Hexanone	8.18	43	418521	51.561	ug/L	98
50) Dibromochloromethane	8.29	129	319114	24.953	ug/L	97
51) 1,2-Dibromoethane	8.39	107	282154	25.876	ug/L	100
52) Chlorobenzene	8.92	112	890850	24.285	ug/L	99
53) Ethylbenzene	9.05	91	1447166	24.726	ug/L	99
54) m,p-Xylene	9.18	106	561328	25.228	ug/L	99
55) o-xylene	9.58	106	555086	26.183	ug/L	98
56) Styrene	9.60	104	982593	26.342	ug/L	100
57) Isopropylbenzene	9.97	105	1397632	25.085	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	352388	25.602	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	281050	24.740	ug/L	99
62) Bromoform	9.77	173	207283	25.623	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	725405	24.720	ug/L	99
64) 1,4-Dichlorobenzene	11.31	146	738270	23.971	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	697878	24.933	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	60570	24.408	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	552601	24.074	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	494177	24.620	ug/L	99
69) Naphthalene	13.55	128	1098535	27.210	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	466565	24.176	ug/L	100

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

Quant Time: Sep 24 07:44:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 24 07:38:53 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 23.281 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.01 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

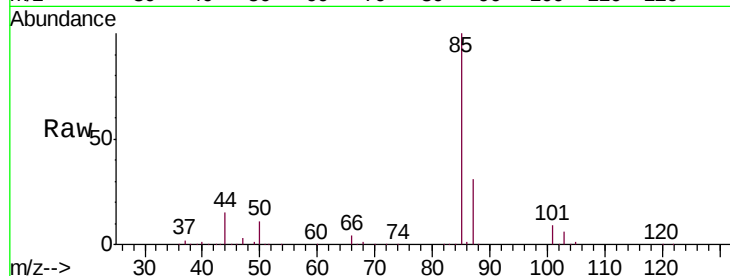
VSTD02568

Tgt Ion: 85 Resp: 233156

Ion Ratio Lower Upper

85 100

87 31.8 23.2 43.0



Abundance Ion 85.00 (84.70 to 85.70): VV012934.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV012934.D (-8) (-)

1.13

250000

200000

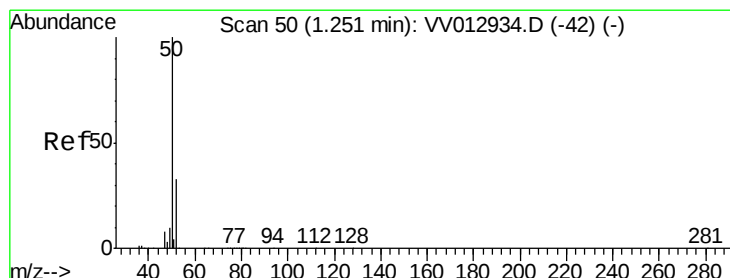
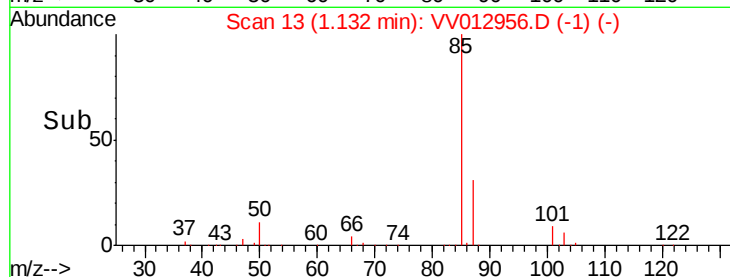
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 22.964 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV012956.D

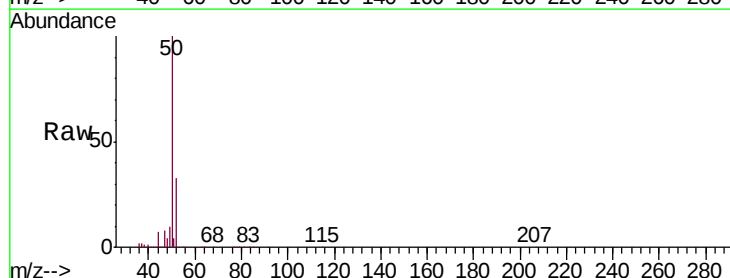
Acq: 24 Sep 2019 00:15

Tgt Ion: 50 Resp: 300339

Ion Ratio Lower Upper

50 100

52 32.8 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV012934.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV012934.D (-42) (-)

1.25

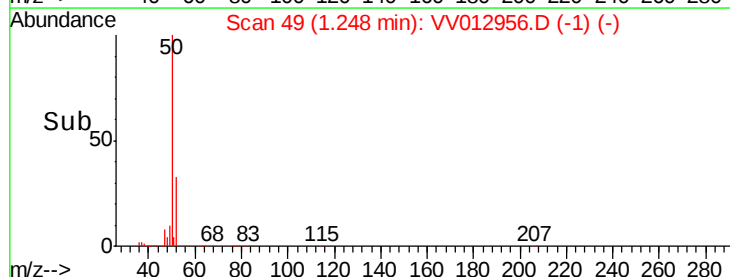
300000

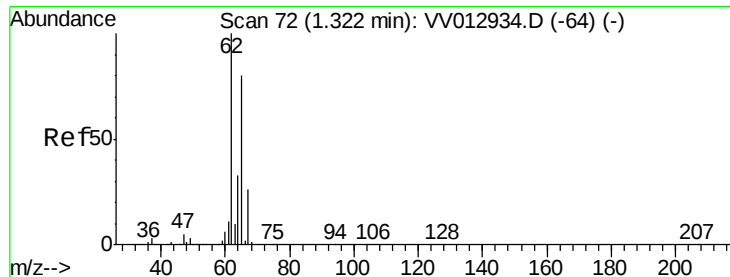
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 22.357 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

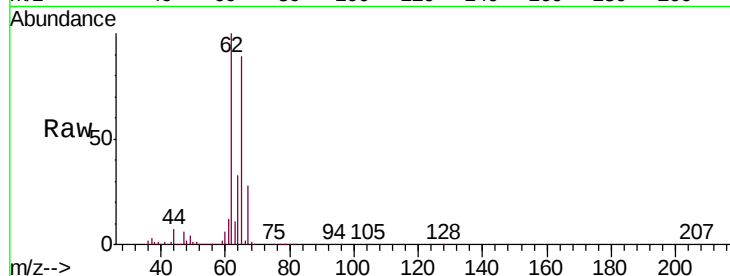
VSTD02568

Tgt Ion: 62 Resp: 288680

Ion Ratio Lower Upper

62 100

64 32.9 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

300000

250000

200000

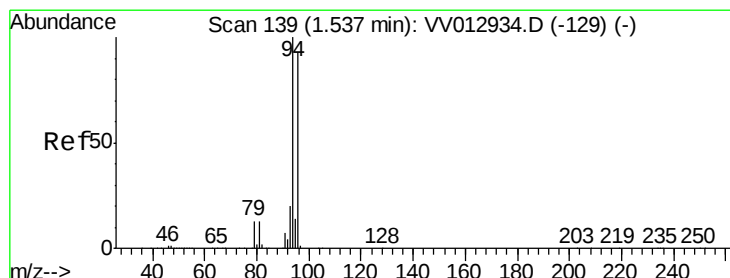
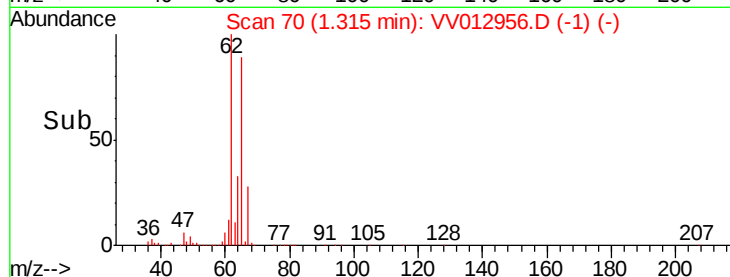
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 22.636 ug/L

RT: 1.52 min Scan# 134

Delta R.T. -0.02 min

Lab File: VV012956.D

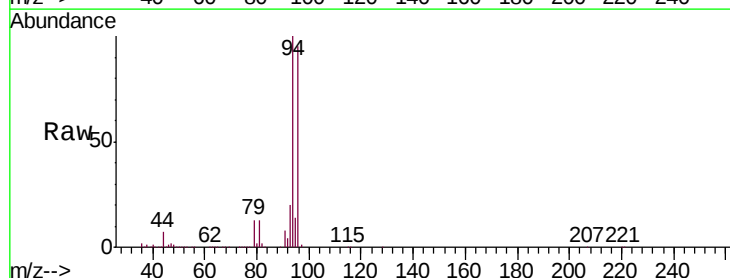
Acq: 24 Sep 2019 00:15

Tgt Ion: 94 Resp: 182454

Ion Ratio Lower Upper

94 100

96 94.5 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

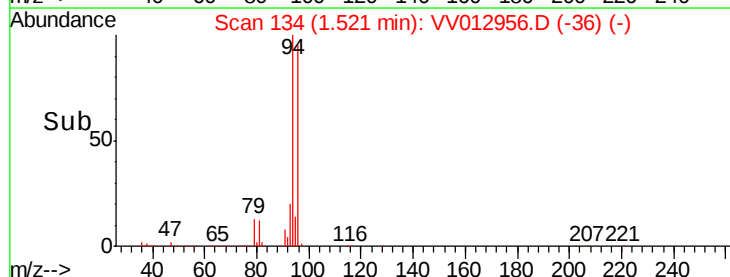
150000

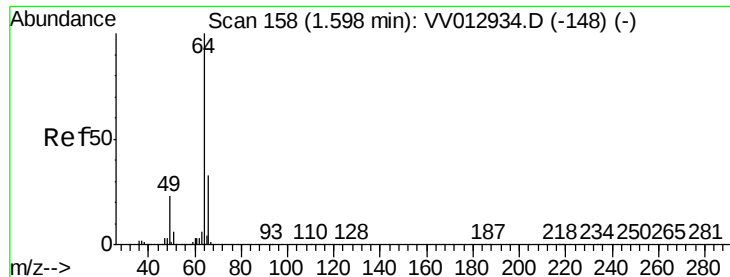
100000

50000

0

Time--> 1.45 1.50 1.55 1.60





#8

Chloroethane

Concen: 23.708 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.01 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

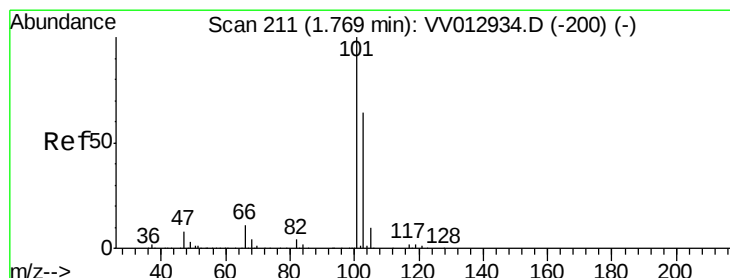
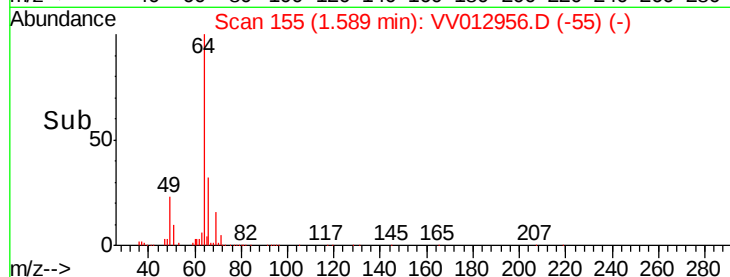
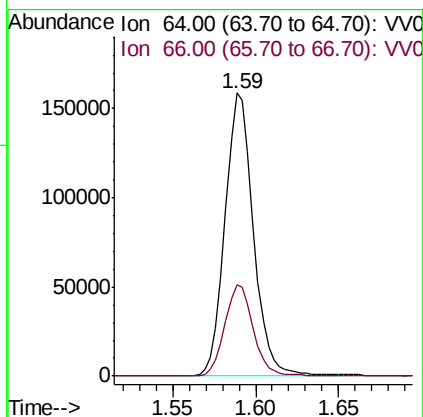
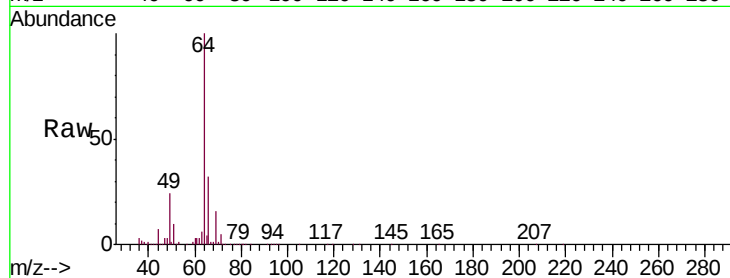
VSTD02568

Tgt Ion: 64 Resp: 188112

Ion Ratio Lower Upper

64 100

66 32.4 22.2 41.2



#9

Trichlorofluoromethane

Concen: 21.298 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.01 min

Lab File: VV012956.D

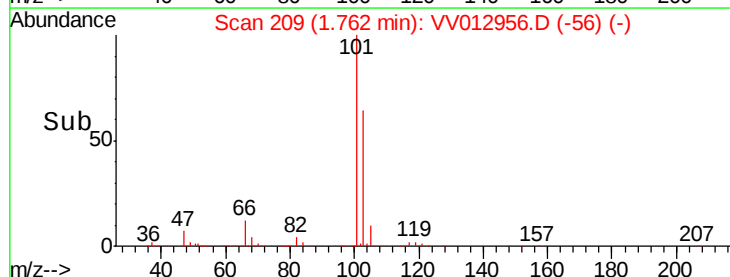
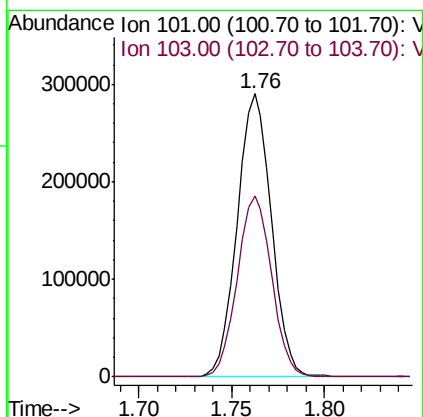
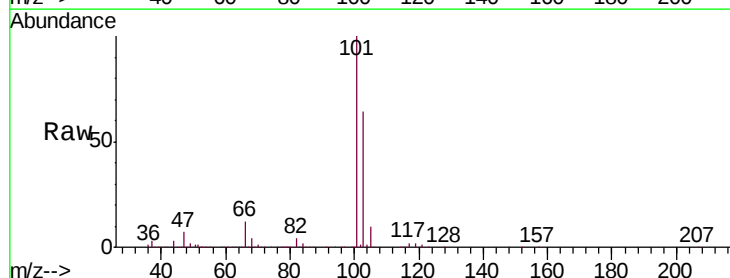
Acq: 24 Sep 2019 00:15

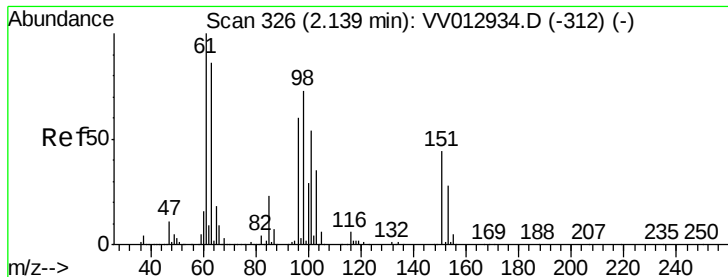
Tgt Ion: 101 Resp: 371947

Ion Ratio Lower Upper

101 100

103 64.4 45.1 83.9





#11

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

Concen: 20.762 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD02568

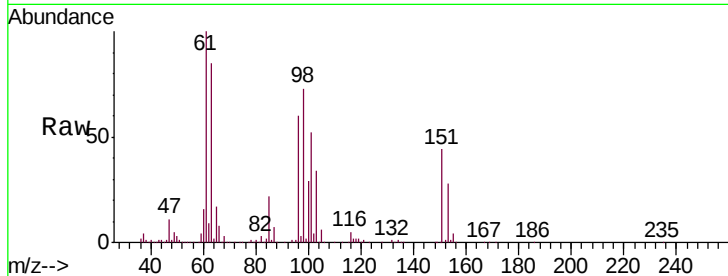
Tgt Ion:101 Resp: 231745

Ion Ratio Lower Upper

101 100

85 40.8 32.6 49.0

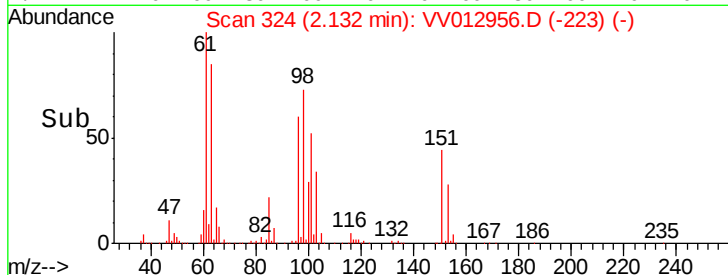
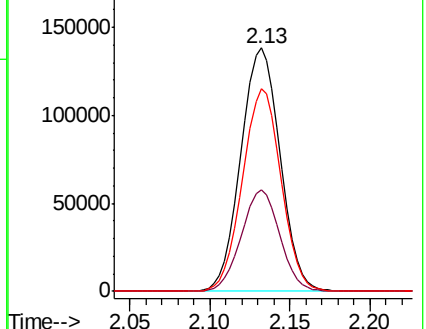
151 81.9 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV012934.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV012934.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV012934.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 21.979 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

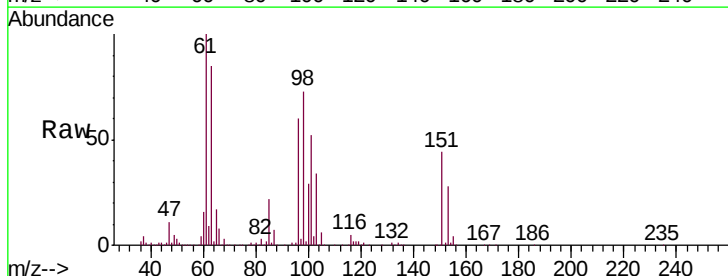
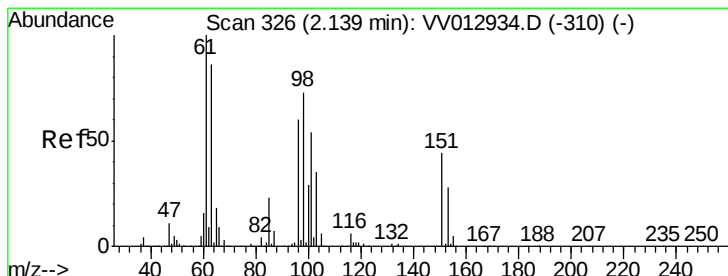
Tgt Ion: 96 Resp: 225943

Ion Ratio Lower Upper

96 100

61 167.2 117.2 217.8

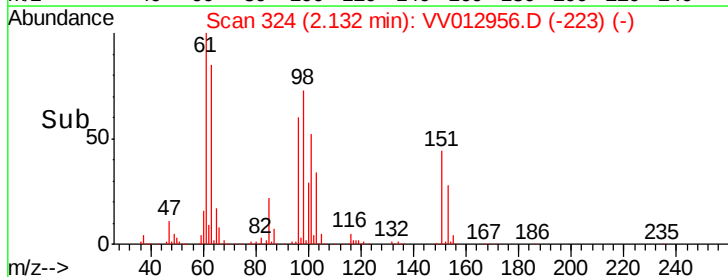
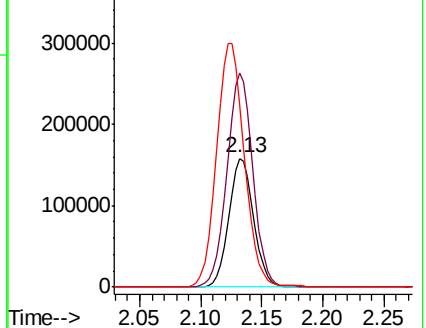
63 141.8 89.6 166.4

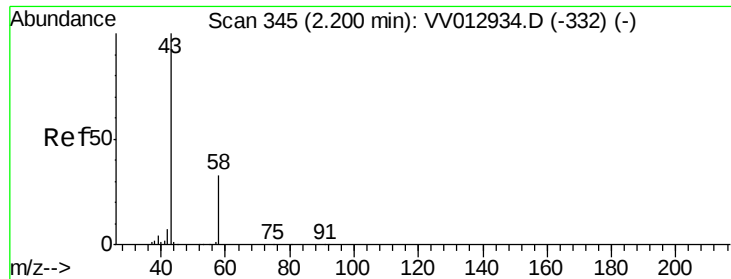


Abundance Ion 96.00 (95.70 to 96.70): VV012934.D (-310) (-)

Ion 61.00 (60.70 to 61.70): VV012934.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV012934.D (-310) (-)





#13

Acetone

Concen: 38.739 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.02 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

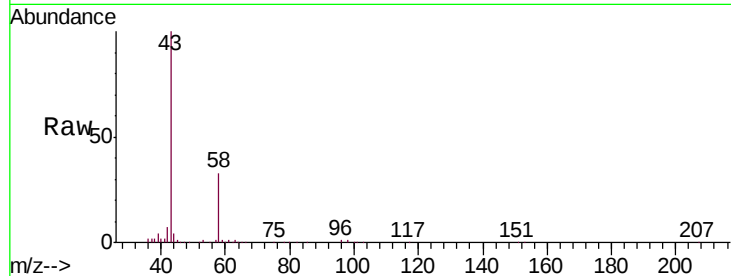
VSTD02568

Tgt Ion: 43 Resp: 200597

Ion Ratio Lower Upper

43 100

58 33.4 0.0 65.0



Abundance Ion 43.00 (42.70 to 43.70): VV012934.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV012934.D (-332) (-)

2.18

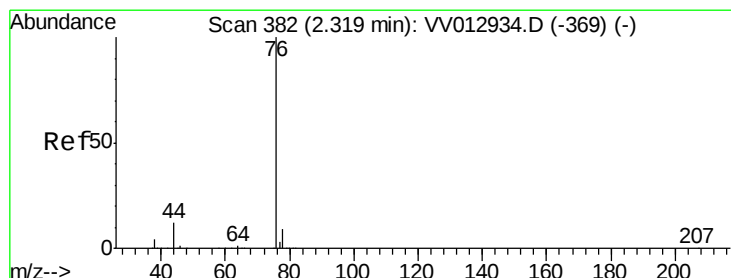
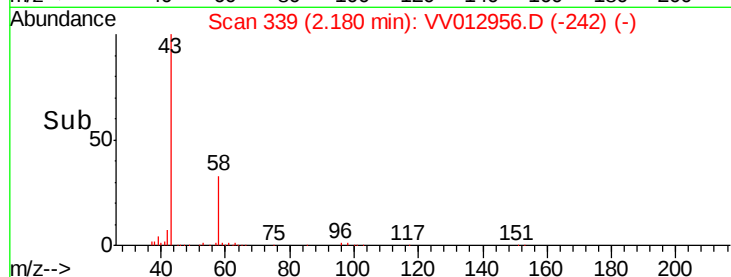
150000

100000

50000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 21.705 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.01 min

Lab File: VV012956.D

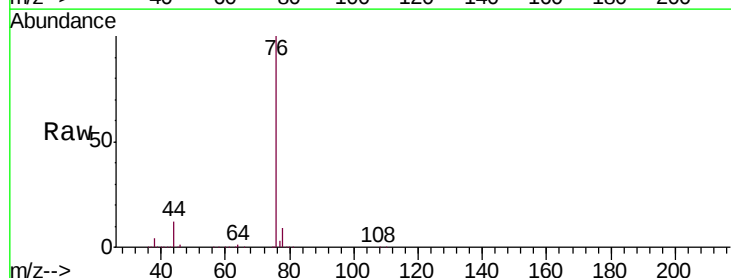
Acq: 24 Sep 2019 00:15

Tgt Ion: 76 Resp: 712727

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV012934.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV012934.D (-369) (-)

2.31

500000

400000

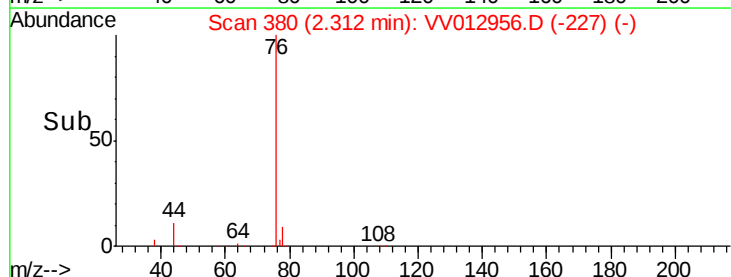
300000

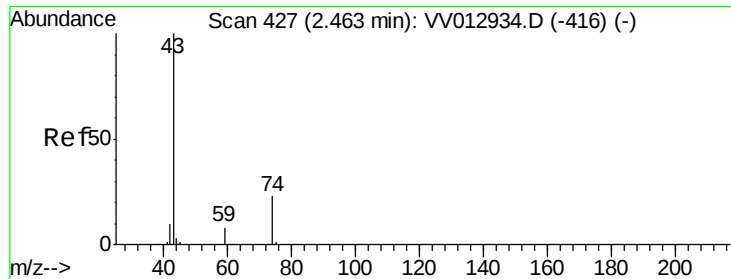
200000

100000

0

Time--> 2.25 2.30 2.35

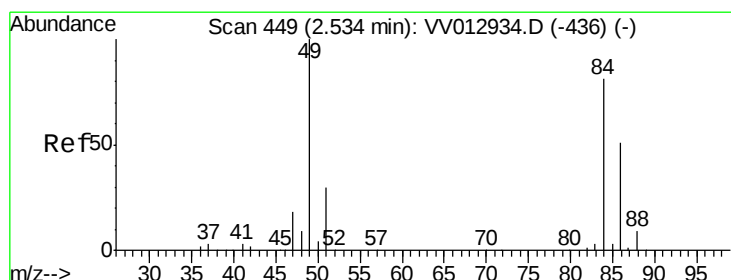
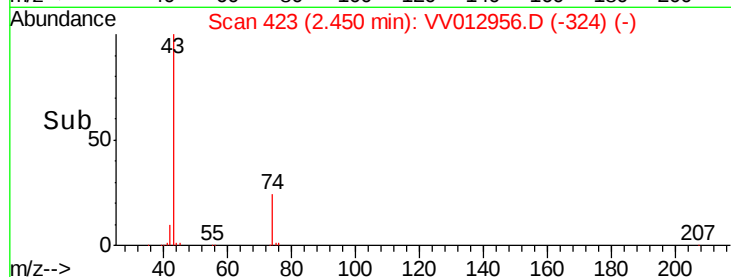
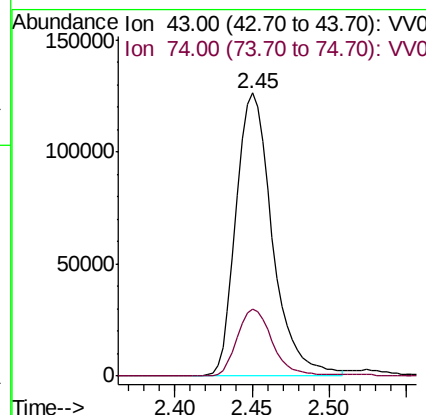
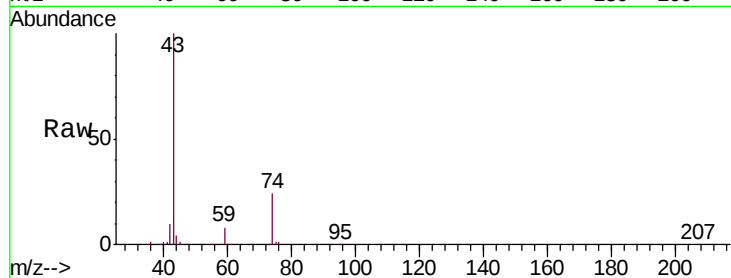




#15
Methyl Acetate
Concen: 25.502 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.01 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

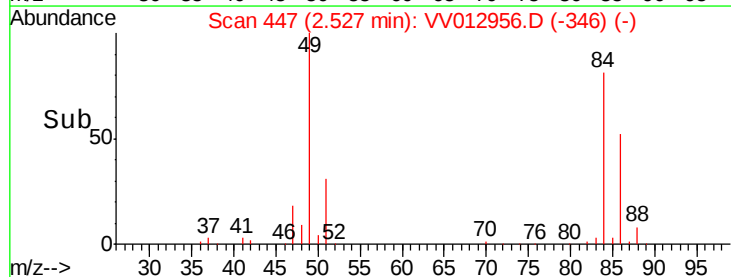
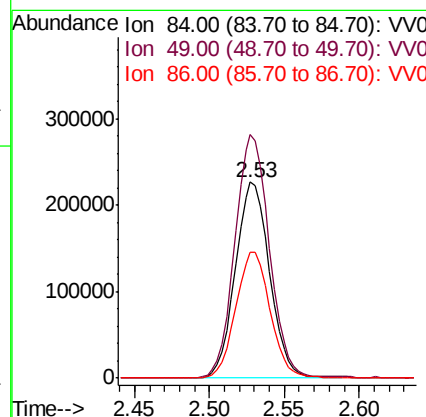
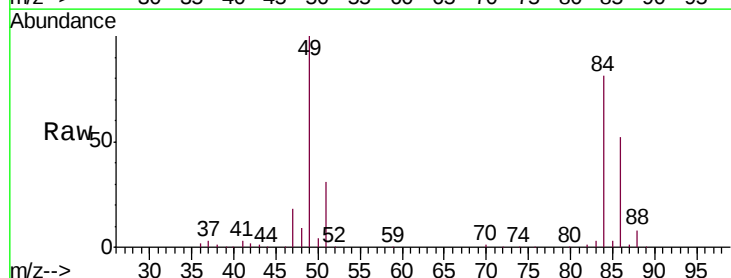
Instrument :
MSVOA_V
ClientSampleId :
VSTD02568

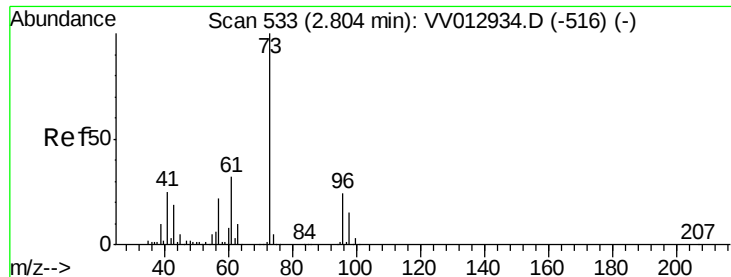
Tgt Ion: 43 Resp: 204811
Ion Ratio Lower Upper
43 100
74 23.2 18.8 28.2



#16
Methylene chloride
Concen: 26.690 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

Tgt Ion: 84 Resp: 362786
Ion Ratio Lower Upper
84 100
49 124.1 88.3 164.1
86 64.1 44.9 83.3

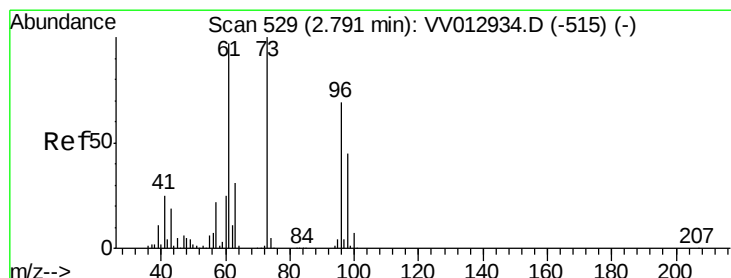
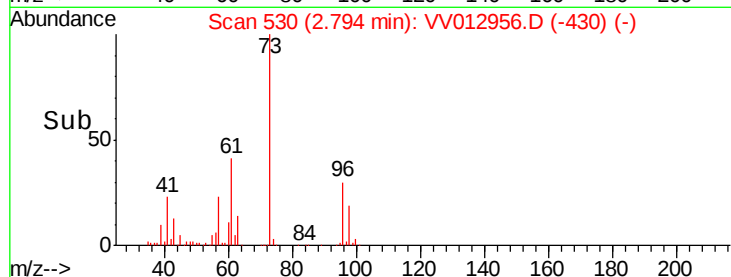
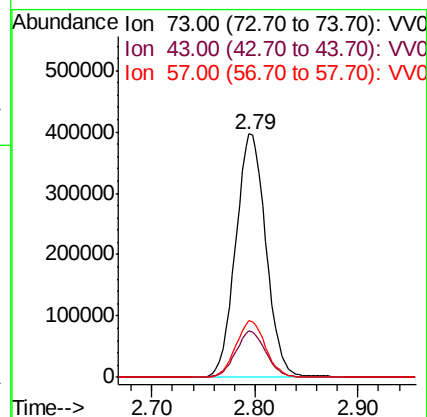
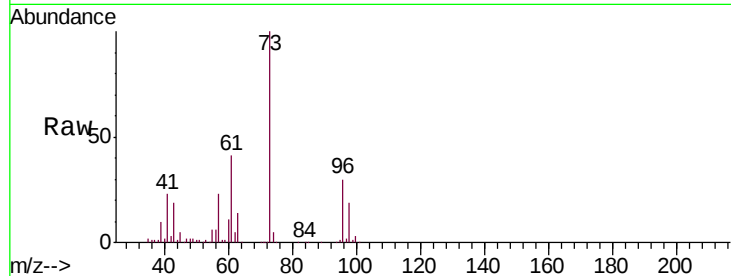




#17
Methyl tert-butyl Ether
Concen: 26.950 ug/L
RT: 2.79 min Scan# 530
Delta R.T. -0.01 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

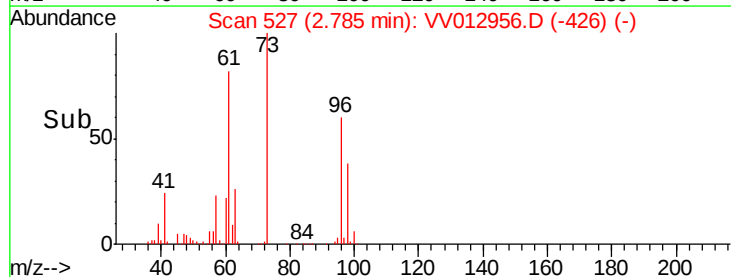
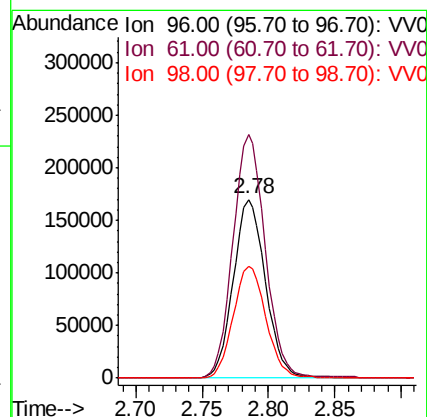
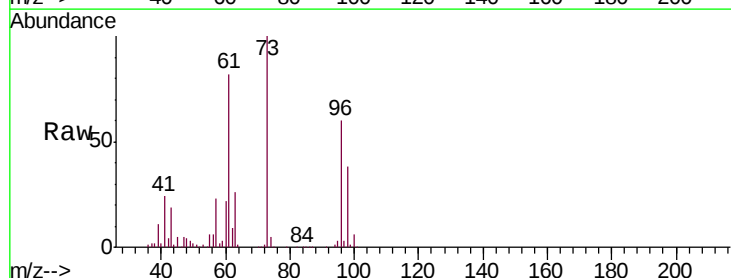
Instrument :
MSVOA_V
ClientSampleId :
VSTD02568

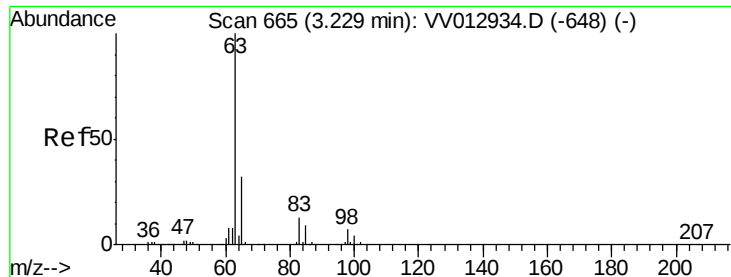
Tgt Ion: 73 Resp: 812894
Ion Ratio Lower Upper
73 100
43 18.7 15.0 22.6
57 22.9 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 23.654 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

Tgt Ion: 96 Resp: 287823
Ion Ratio Lower Upper
96 100
61 136.5 96.8 179.8
98 62.8 44.8 83.2

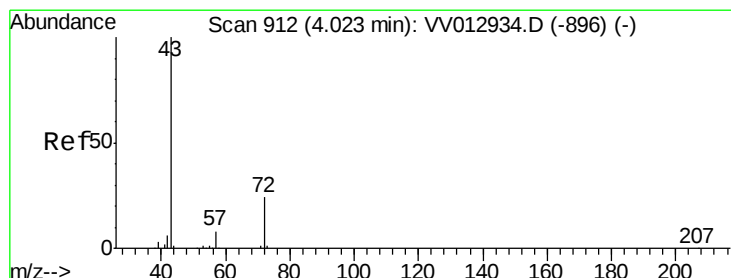
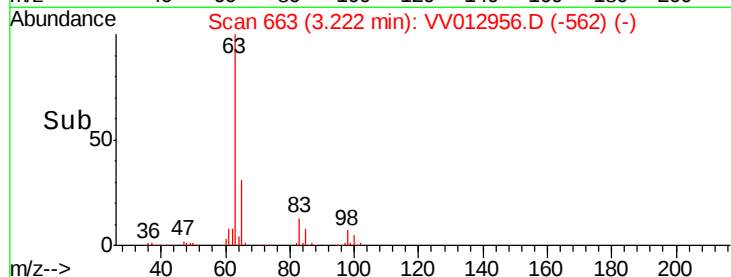
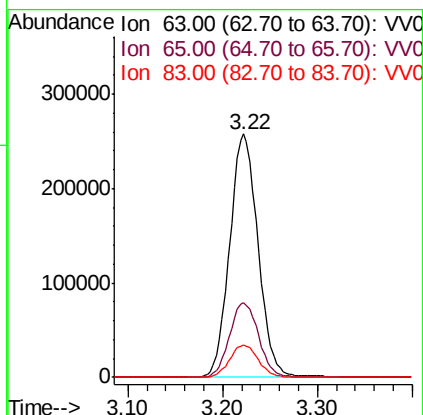
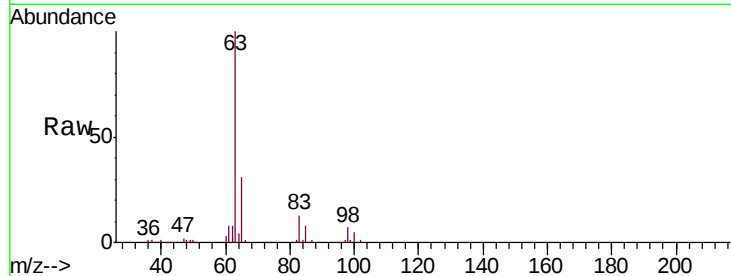




#19
 1,1-Dichloroethane
 Concen: 24.161 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.01 min
 Lab File: VV012956.D
 Acq: 24 Sep 2019 00:15

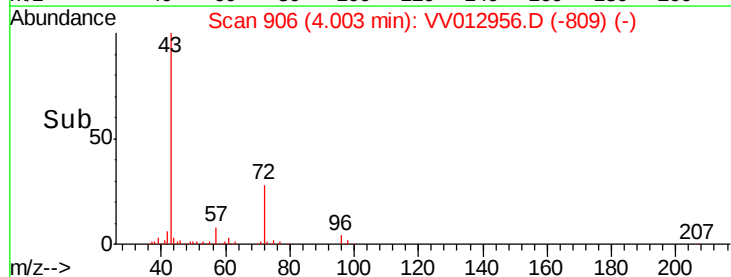
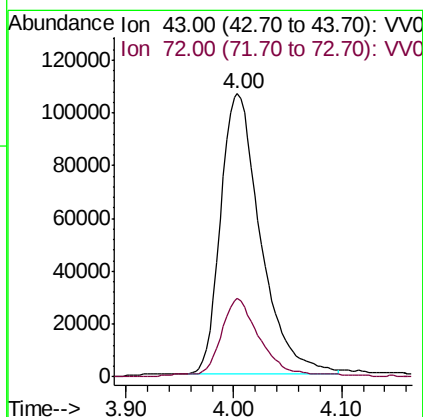
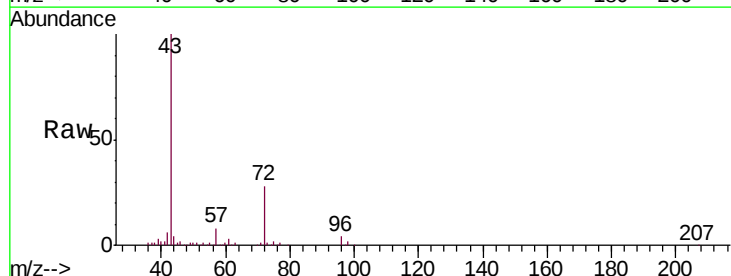
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02568

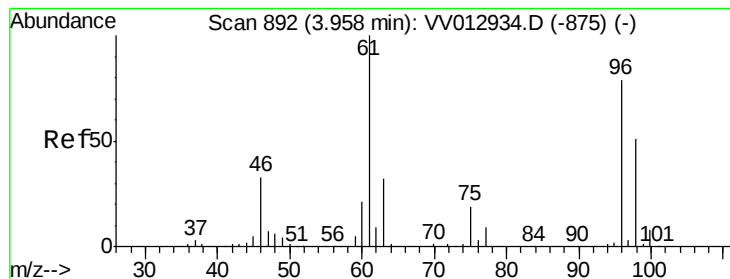
Tgt Ion: 63 Resp: 536486
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.0 41.0
 83 13.3 9.2 17.0



#21
 2-Butanone
 Concen: 45.235 ug/L
 RT: 4.00 min Scan# 906
 Delta R.T. -0.02 min
 Lab File: VV012956.D
 Acq: 24 Sep 2019 00:15

Tgt Ion: 43 Resp: 272595
 Ion Ratio Lower Upper
 43 100
 72 25.1 11.9 35.9



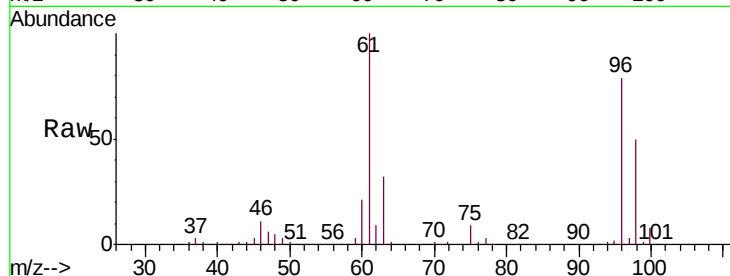


#22

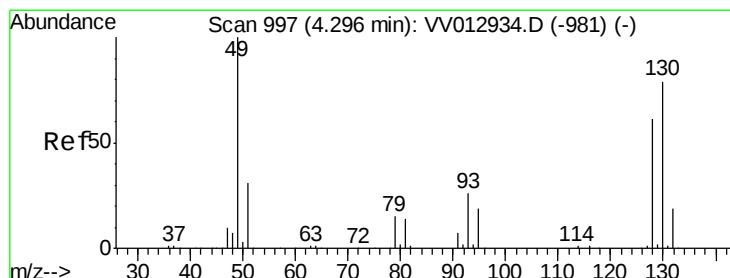
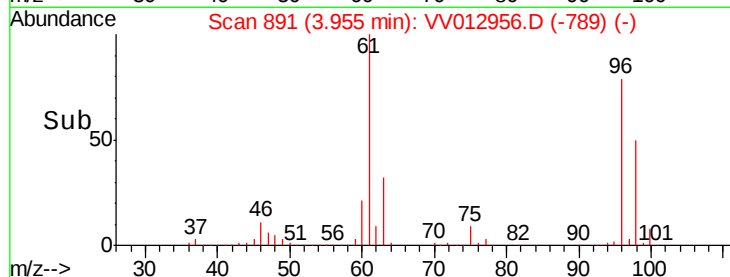
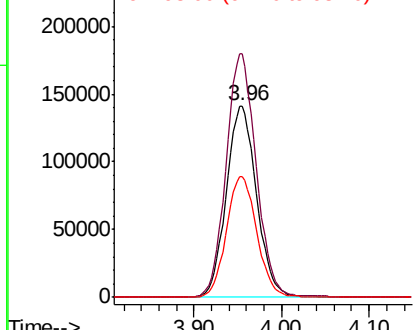
cis-1,2-Dichloroethene
Concen: 25.556 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.00 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD02568

Tgt Ion: 96 Resp: 340327
Ion Ratio Lower Upper
96 100
61 127.2 90.9 168.7
98 63.4 45.6 84.6



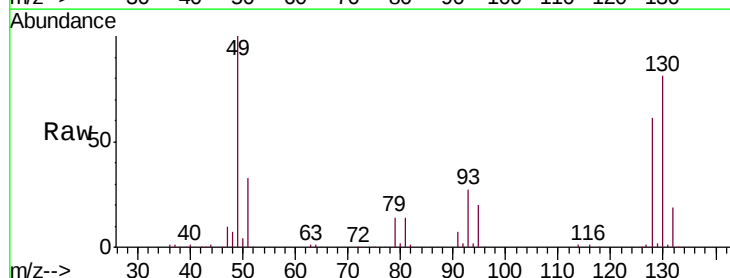
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



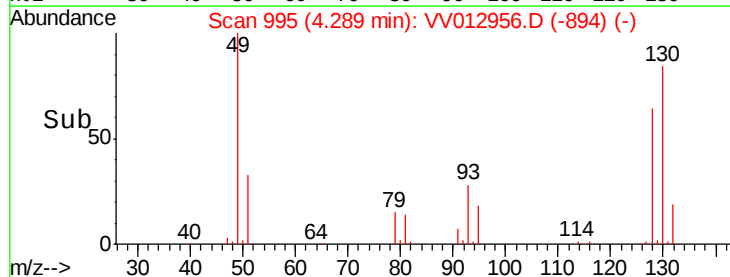
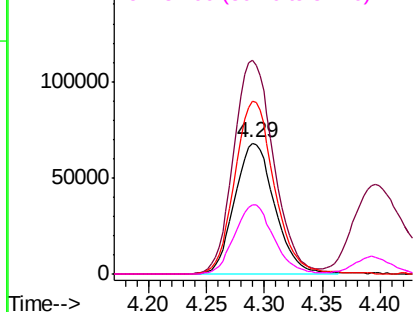
#23

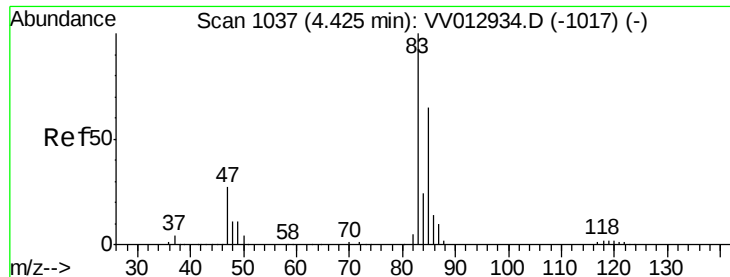
Bromochloromethane
Concen: 24.796 ug/L
RT: 4.29 min Scan# 995
Delta R.T. -0.01 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

Tgt Ion: 128 Resp: 163104
Ion Ratio Lower Upper
128 100
49 163.3 114.4 212.6
130 131.7 88.5 164.4
51 53.3 41.4 62.2



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: 23.847 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

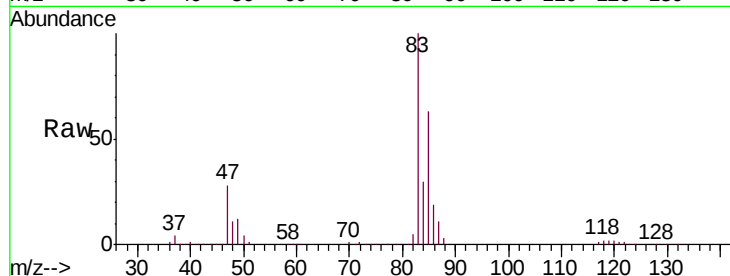
VSTD02568

Tgt Ion: 83 Resp: 555199

Ion Ratio Lower Upper

83 100

85 65.1 45.8 85.0



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

250000

200000

150000

100000

50000

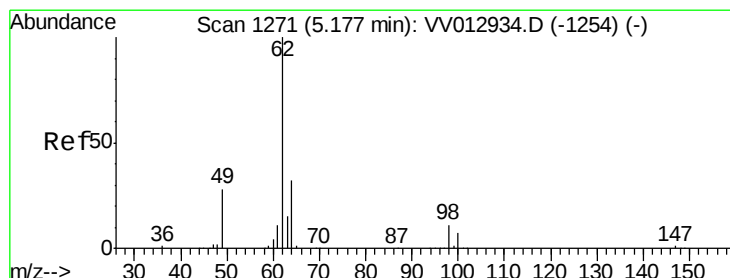
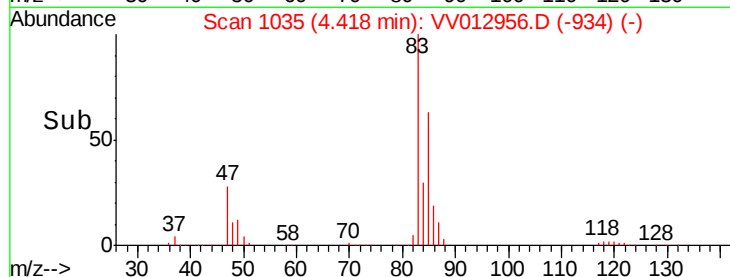
0

4.30

4.40

4.50

Time-->



#27

1,2-Dichloroethane

Concen: 25.016 ug/L

RT: 5.17 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VV012956.D

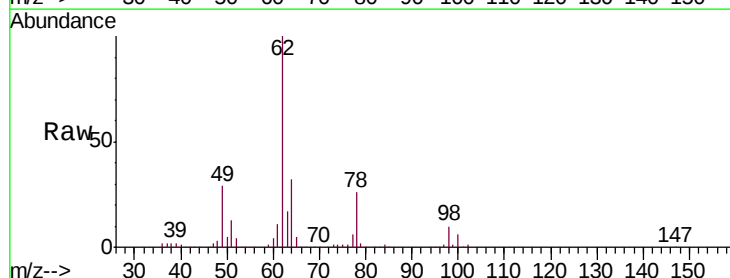
Acq: 24 Sep 2019 00:15

Tgt Ion: 62 Resp: 411648

Ion Ratio Lower Upper

62 100

98 10.1 8.2 12.4



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

200000

150000

100000

50000

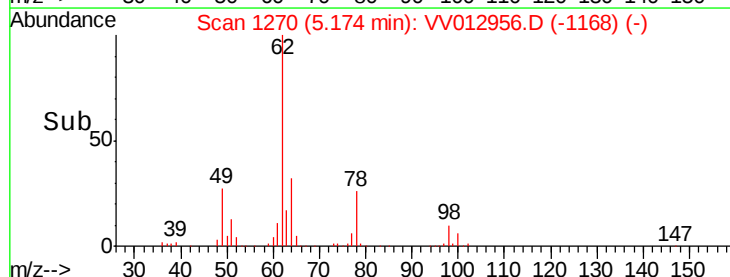
0

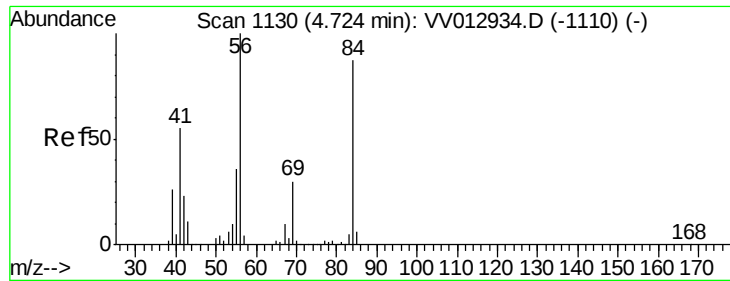
5.10

5.20

5.30

Time-->

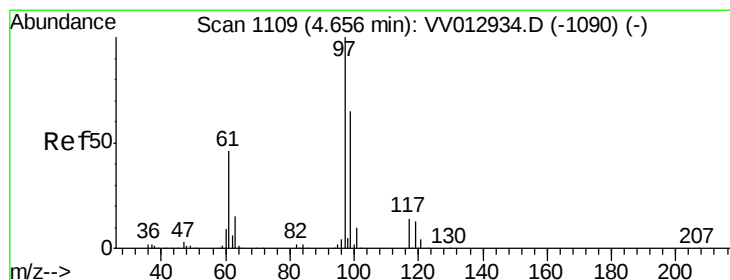
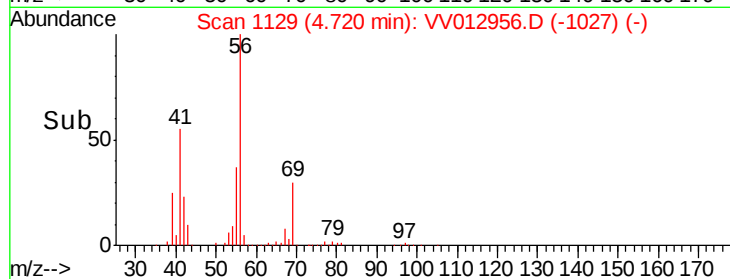
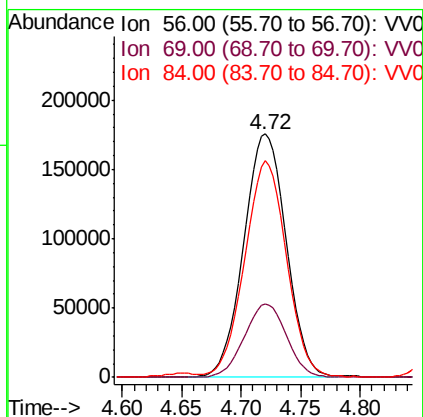
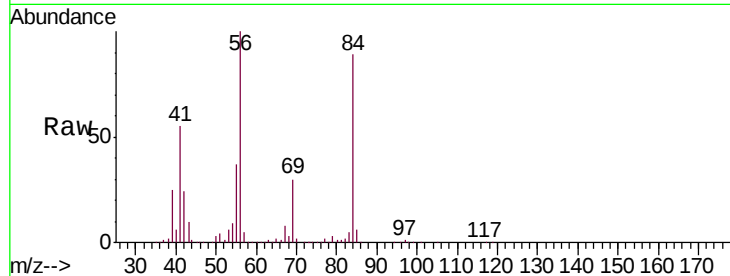




#30
Cyclohexane
Concen: 22.370 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

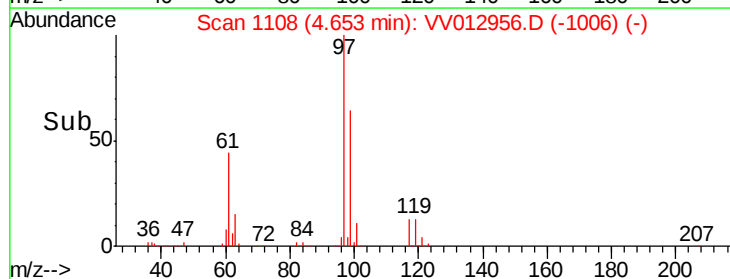
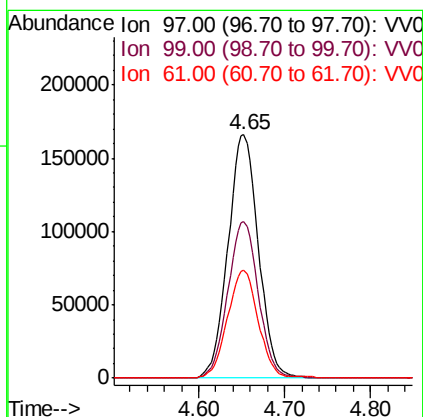
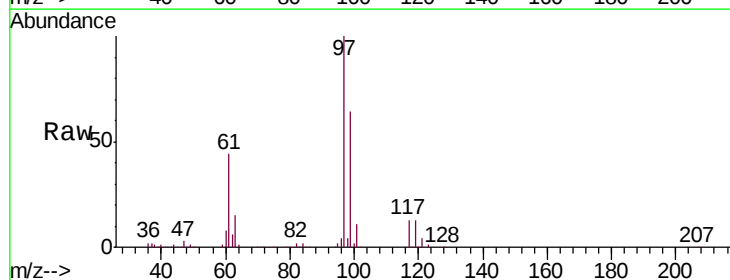
Instrument :
MSVOA_V
ClientSampleId :
VSTD02568

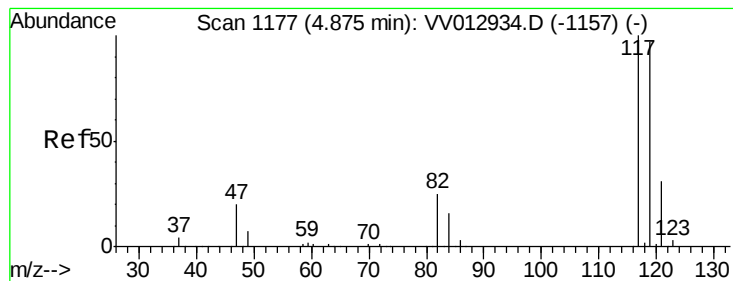
Tgt Ion: 56 Resp: 434534
Ion Ratio Lower Upper
56 100
69 30.1 23.8 35.8
84 86.9 68.4 102.6



#31
1,1,1-Trichloroethane
Concen: 22.791 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

Tgt Ion: 97 Resp: 408412
Ion Ratio Lower Upper
97 100
99 64.4 51.7 77.5
61 44.6 37.8 56.8





#32

Carbon tetrachloride

Concen: 21.765 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

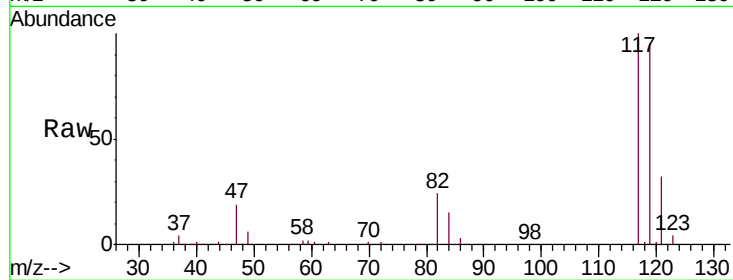
VSTD02568

Tgt Ion:117 Resp: 353652

Ion Ratio Lower Upper

117 100

119 96.2 76.0 114.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

150000

100000

50000

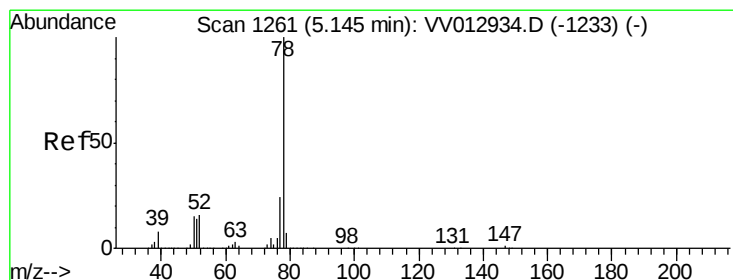
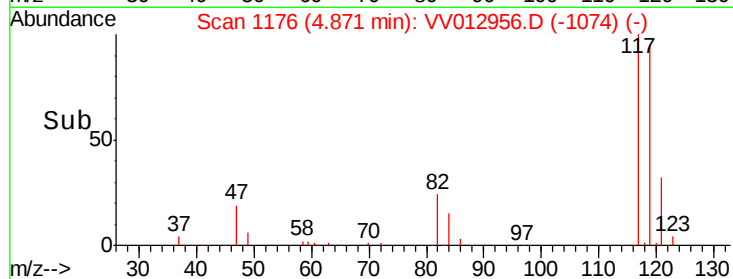
0

4.87

4.90

5.00

Time-->



#34

Benzene

Concen: 24.378 ug/L

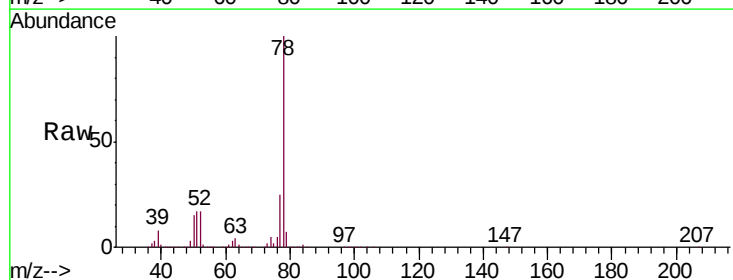
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Tgt Ion: 78 Resp: 1228667



Abundance Ion 78.00 (77.70 to 78.70): VV0

600000

500000

400000

300000

200000

100000

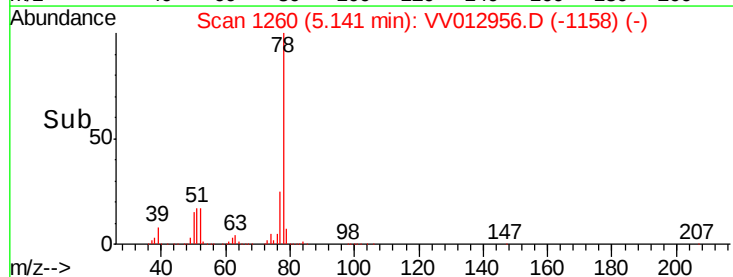
0

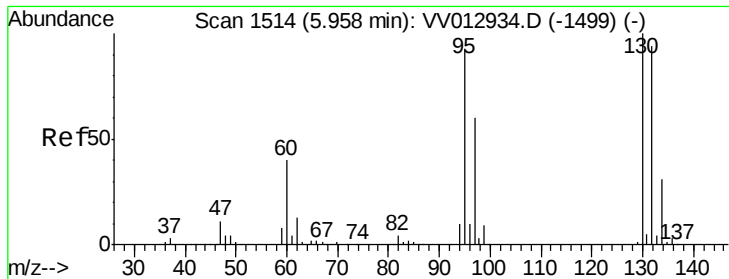
5.14

5.20

5.30

Time-->

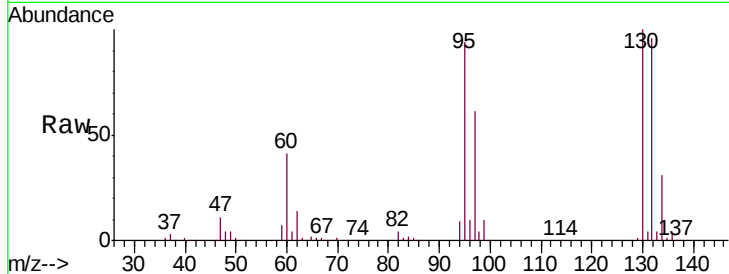




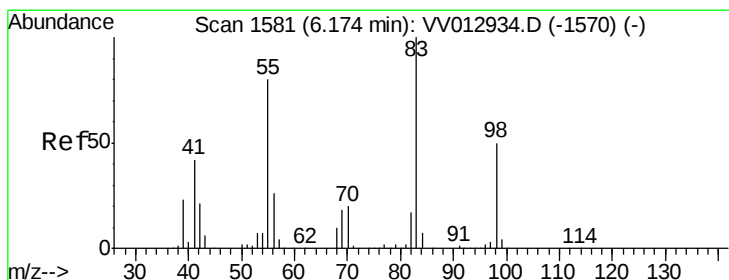
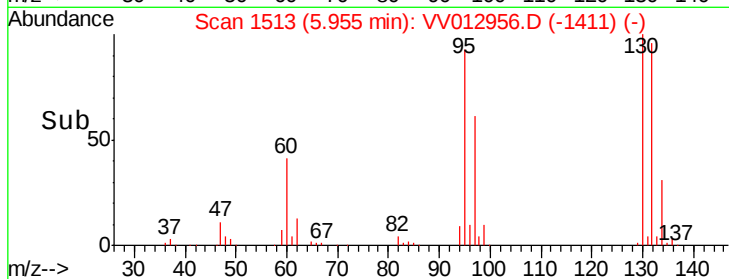
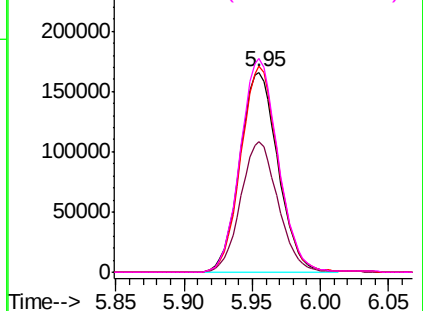
#35
 Trichloroethene
 Concen: 22.970 ug/L
 RT: 5.95 min Scan# 1513
 Delta R.T. -0.00 min
 Lab File: VV012956.D
 Acq: 24 Sep 2019 00:15

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02568

Tgt Ion: 95 Resp: 322506
 Ion Ratio Lower Upper
 95 100
 97 64.0 44.7 82.9
 132 101.3 70.1 130.1
 130 105.8 73.3 136.1

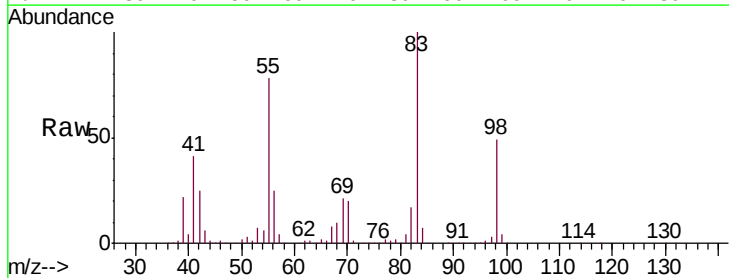


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

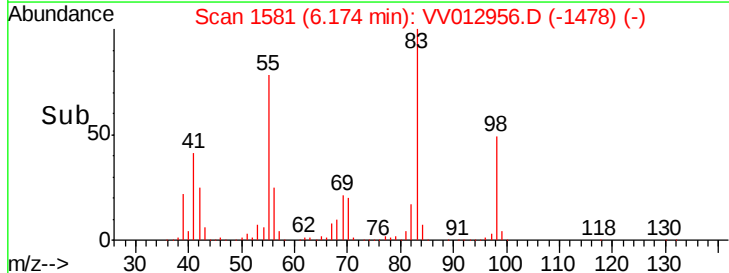
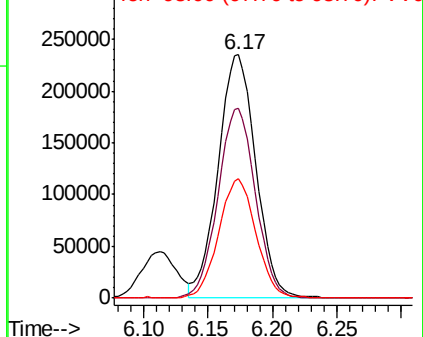


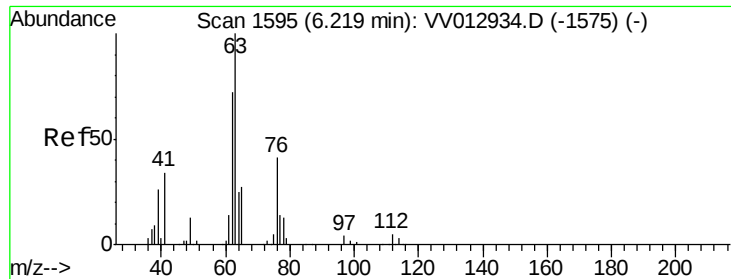
#36
 Methylcyclohexane
 Concen: 22.066 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV012956.D
 Acq: 24 Sep 2019 00:15

Tgt Ion: 83 Resp: 475589
 Ion Ratio Lower Upper
 83 100
 55 77.8 61.8 92.8
 98 48.7 39.3 58.9



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

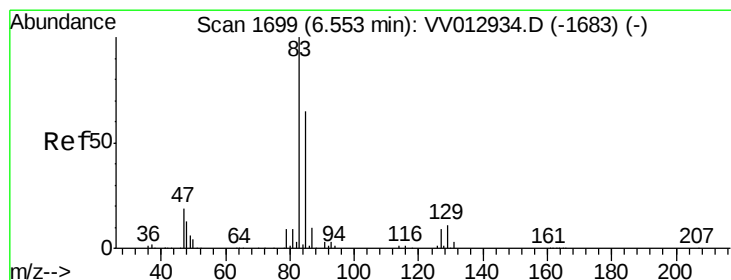
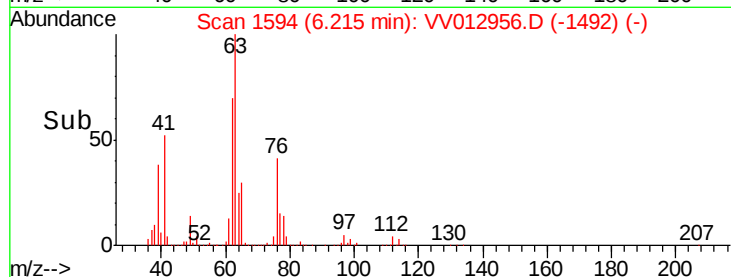
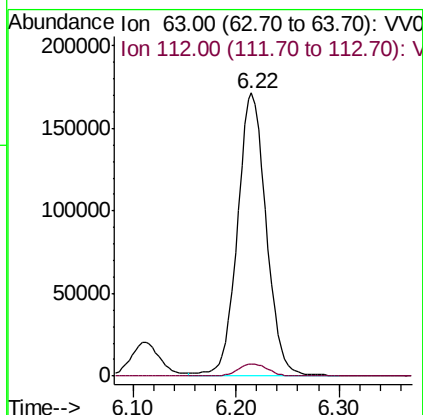
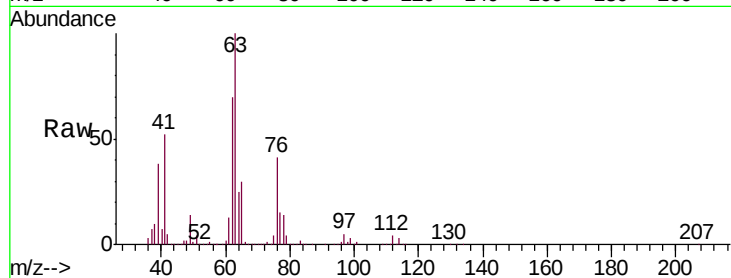




#40
 1,2-Dichloropropane
 Concen: 25.223 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV012956.D
 Acq: 24 Sep 2019 00:15

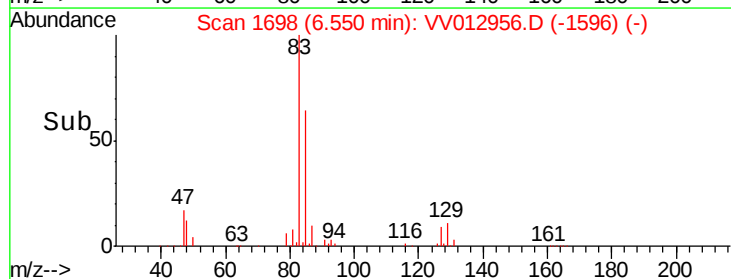
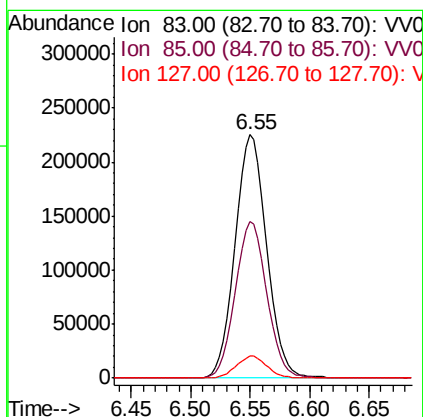
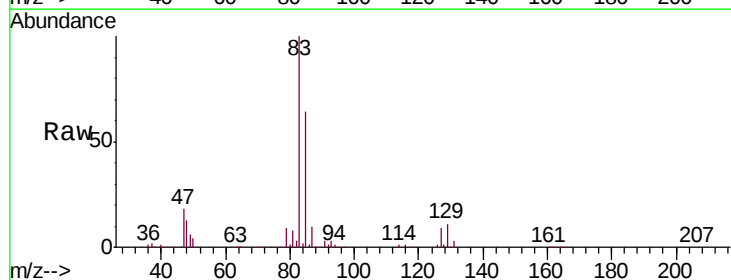
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02568

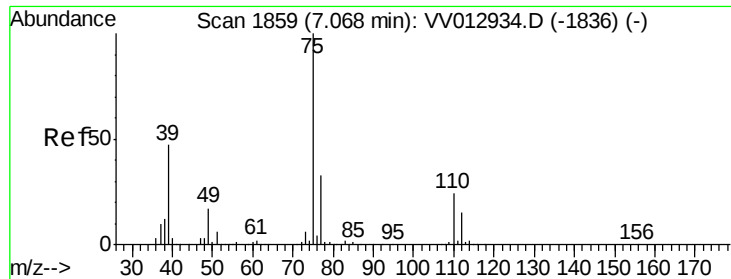
Tgt Ion: 63 Resp: 330587
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.6



#41
 Bromodichloromethane
 Concen: 24.700 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV012956.D
 Acq: 24 Sep 2019 00:15

Tgt Ion: 83 Resp: 414661
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.3 84.1
 127 8.9 7.2 10.8



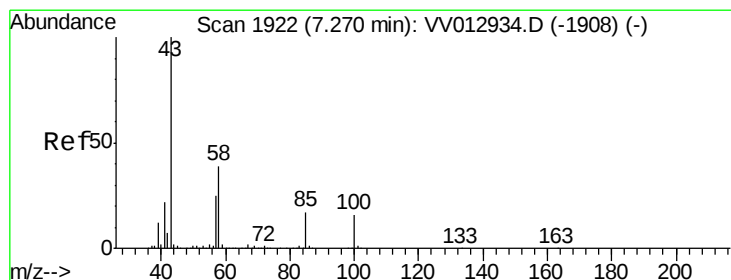
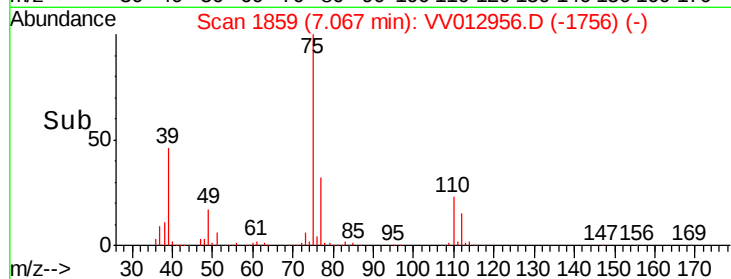
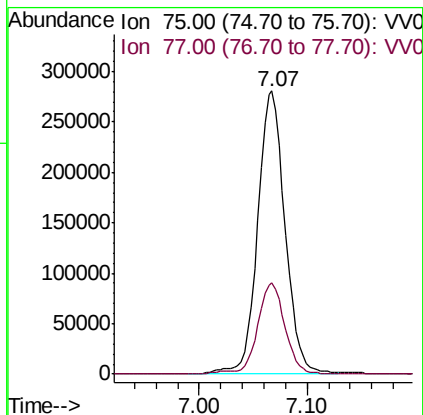
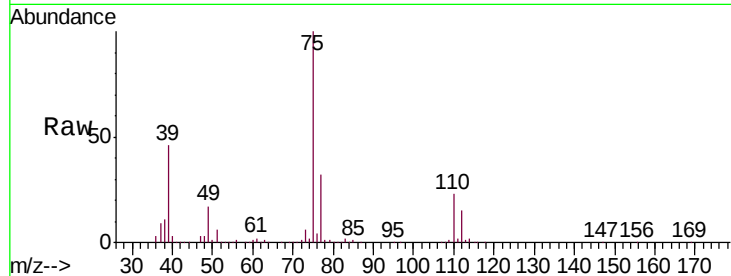


#42

cis-1,3-Dichloropropene
Concen: 25.632 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD02568

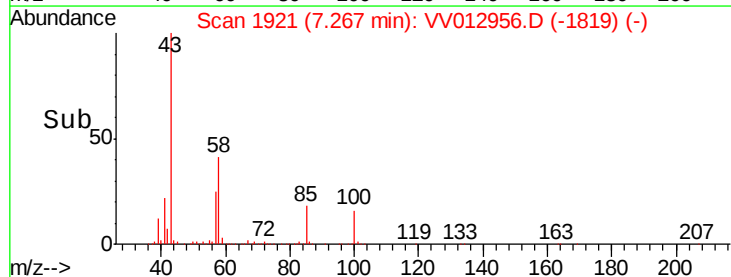
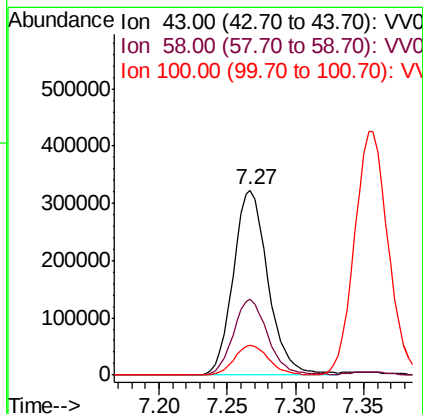
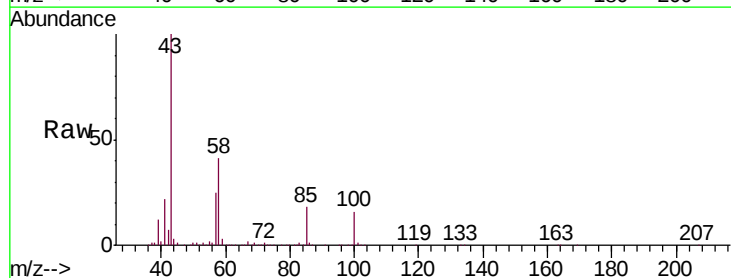
Tgt Ion: 75 Resp: 493627
Ion Ratio Lower Upper
75 100
77 32.1 21.5 39.9

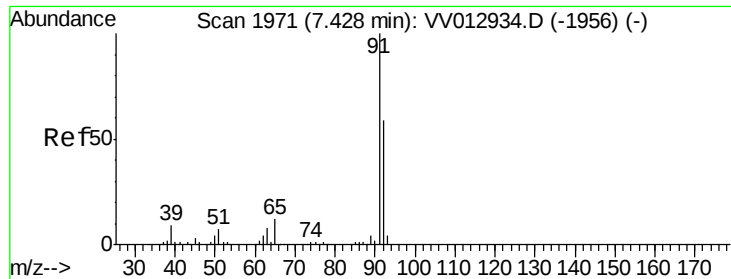


#43

4-Methyl-2-pentanone
Concen: 53.169 ug/L
RT: 7.27 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

Tgt Ion: 43 Resp: 572541
Ion Ratio Lower Upper
43 100
58 40.5 31.2 46.8
100 16.1 12.2 18.2





#44

Toluene

Concen: 24.930 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

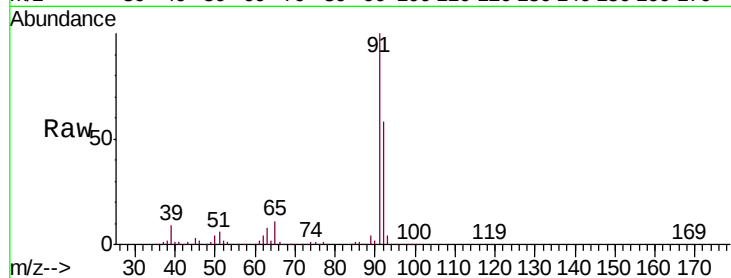
VSTD02568

Tgt Ion: 91 Resp: 1325204

Ion Ratio Lower Upper

91 100

92 58.4 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV012934.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV012934.D (-1956) (-)

7.43

800000

600000

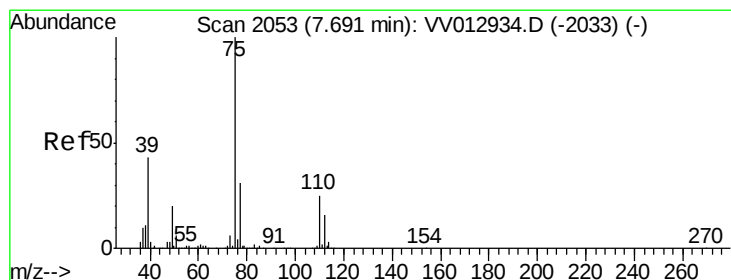
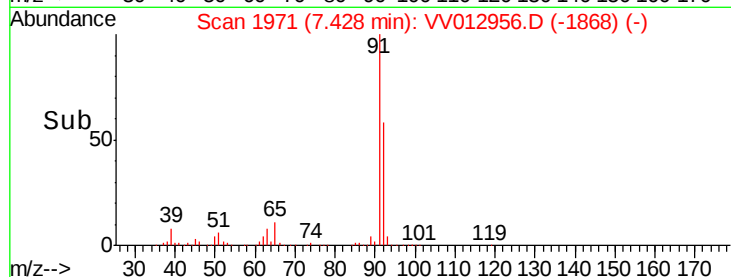
400000

200000

0

7.40 7.50

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.492 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV012956.D

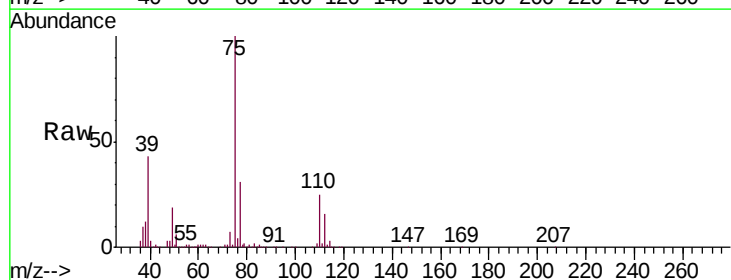
Acq: 24 Sep 2019 00:15

Tgt Ion: 75 Resp: 413191

Ion Ratio Lower Upper

75 100

77 31.4 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV012934.D (-2033) (-)

Ion 77.00 (76.70 to 77.70): VV012934.D (-2033) (-)

7.69

250000

200000

150000

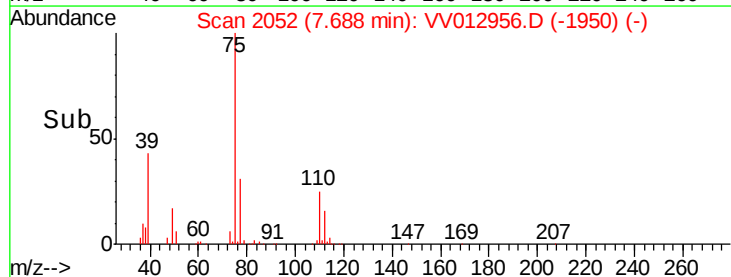
100000

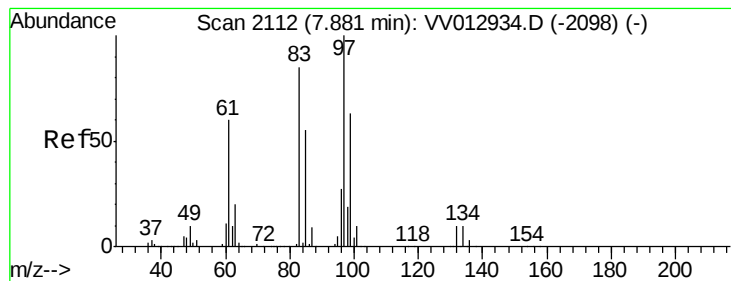
50000

0

7.60 7.70 7.80

Time-->





#46

1,1,2-Trichloroethane

Concen: 25.301 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD02568

Tgt Ion: 97 Resp: 281530

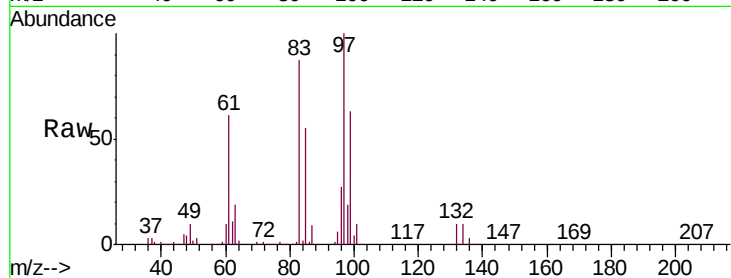
Ion Ratio Lower Upper

97 100

83 86.5 58.9 109.5

85 55.2 38.4 71.2

99 62.7 43.8 81.4



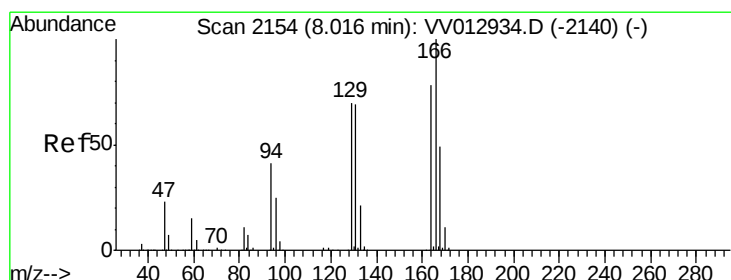
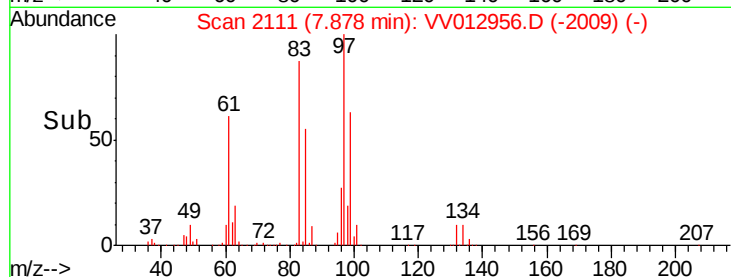
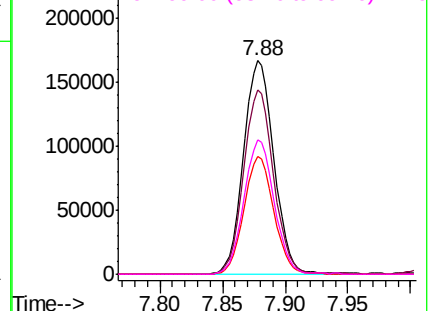
Abundance

Ion 97.00 (96.70 to 97.70): VV012934.D (-2098) (-)

Ion 83.00 (82.70 to 83.70): VV012934.D (-2098) (-)

Ion 85.00 (84.70 to 85.70): VV012934.D (-2098) (-)

Ion 99.00 (98.70 to 99.70): VV012934.D (-2098) (-)



#47

Tetrachloroethene

Concen: 31.293 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Tgt Ion: 164 Resp: 357089

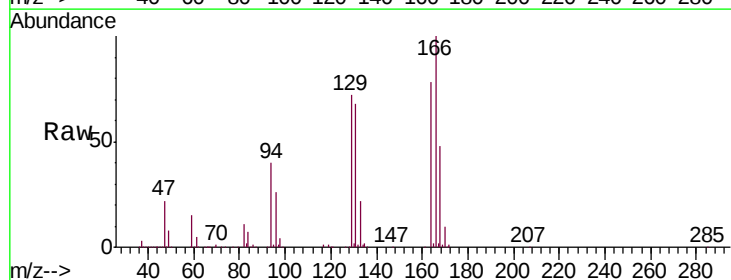
Ion Ratio Lower Upper

164 100

129 92.0 62.8 116.6

131 86.7 60.2 111.8

166 128.2 89.4 166.0



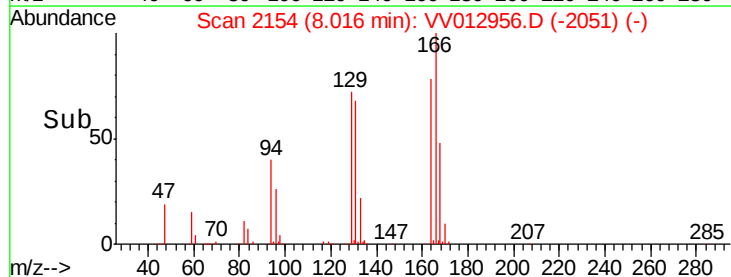
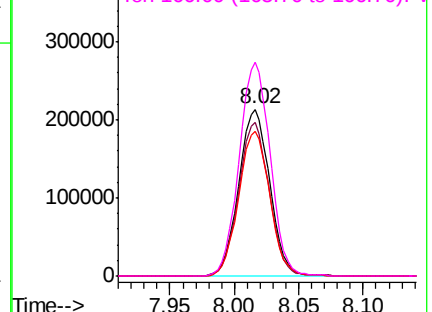
Abundance

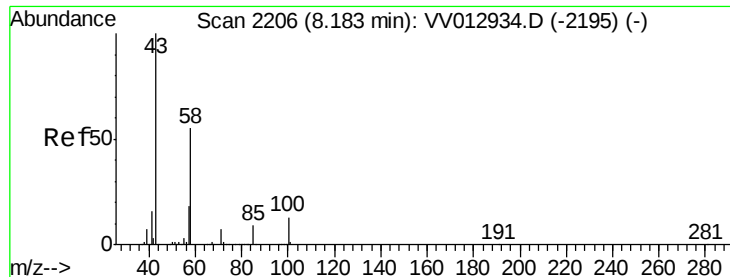
Ion 164.00 (163.70 to 164.70): VV012934.D (-2140) (-)

Ion 129.00 (128.70 to 129.70): VV012934.D (-2140) (-)

Ion 131.00 (130.70 to 131.70): VV012934.D (-2140) (-)

Ion 166.00 (165.70 to 166.70): VV012934.D (-2140) (-)

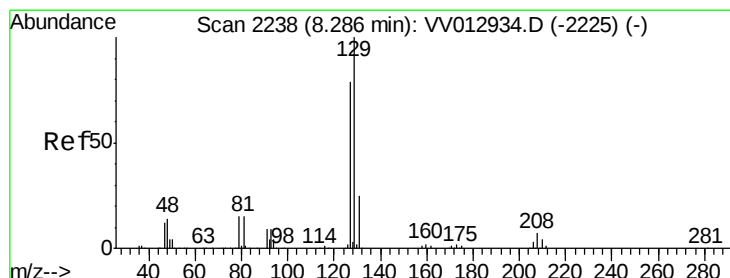
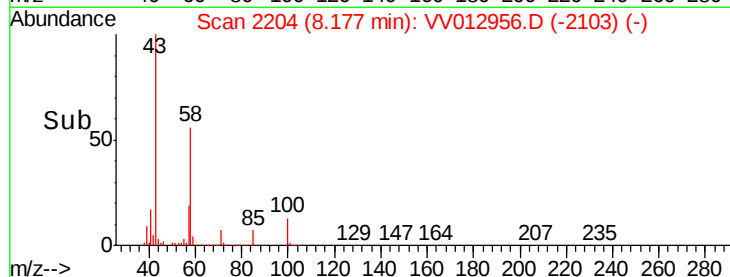
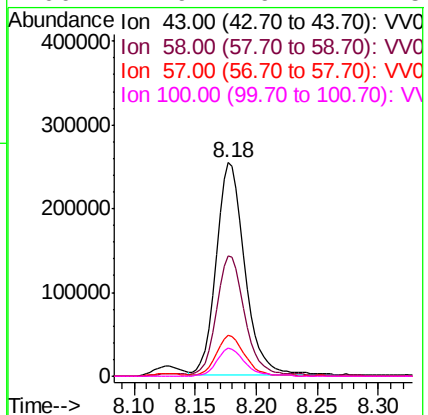
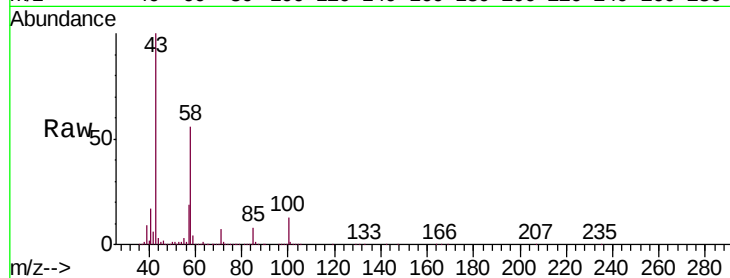




#49
2-Hexanone
Concen: 51.561 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

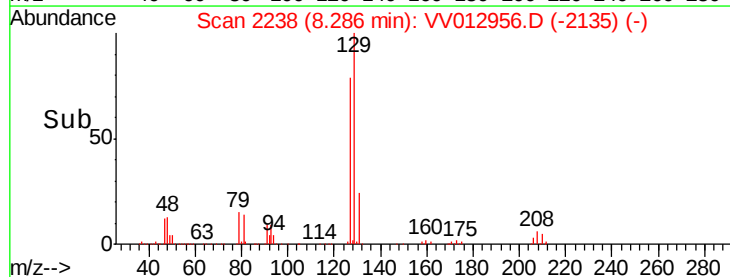
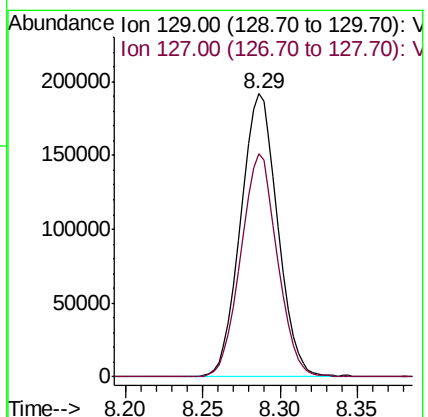
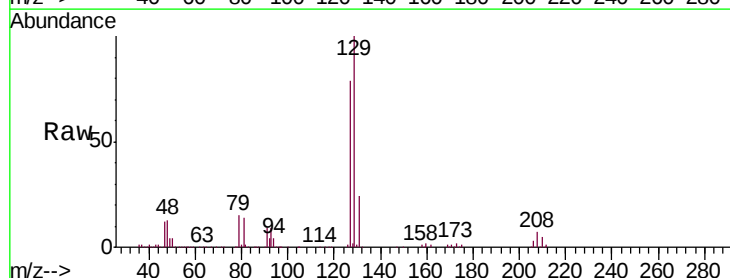
Instrument :
MSVOA_V
ClientSampleId :
VSTD02568

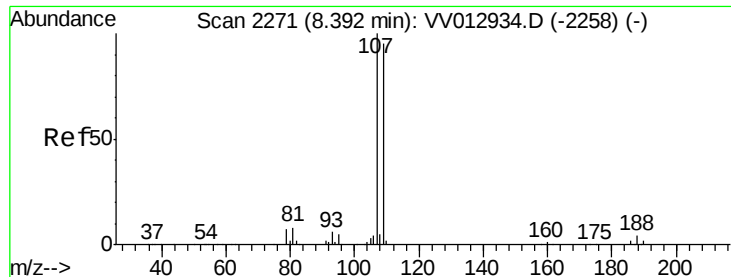
Tgt Ion:	43	Resp:	418521
Ion	Ratio	Lower	Upper
43	100		
58	56.1	46.5	69.7
57	18.8	15.5	23.3
100	12.9	9.7	14.5



#50
Dibromochloromethane
Concen: 24.953 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

Tgt Ion:	129	Resp:	319114
Ion	Ratio	Lower	Upper
129	100		
127	78.9	53.7	99.7





#51

1,2-Dibromoethane

Concen: 25.876 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD02568

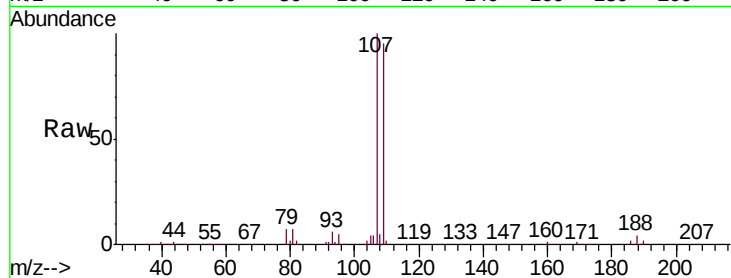
Tgt Ion:107 Resp: 282154

Ion Ratio Lower Upper

107 100

109 94.7 66.1 122.8

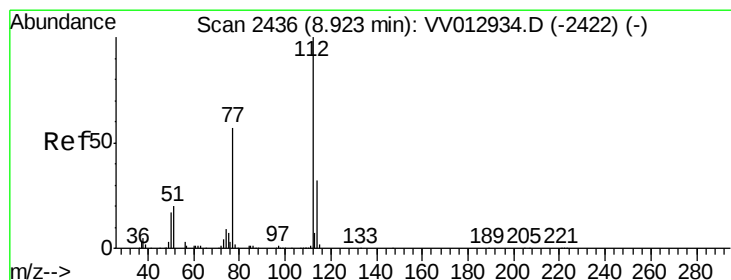
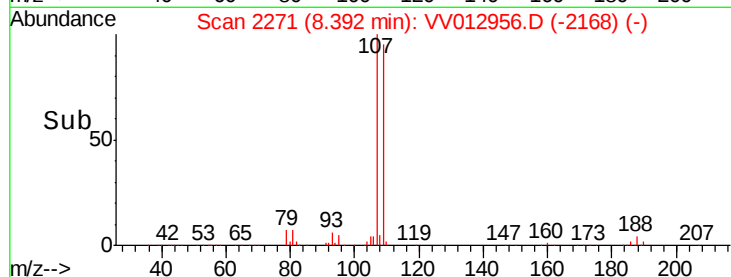
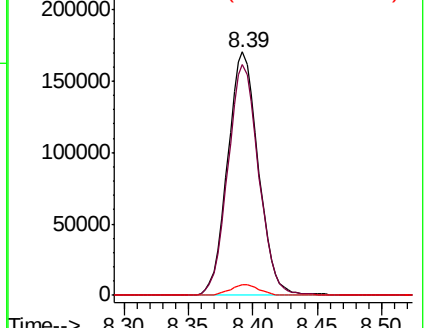
188 4.3 3.1 4.7



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: 24.285 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

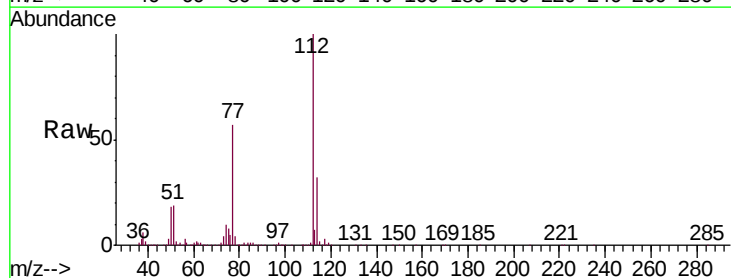
Tgt Ion:112 Resp: 890850

Ion Ratio Lower Upper

112 100

77 57.4 46.3 69.5

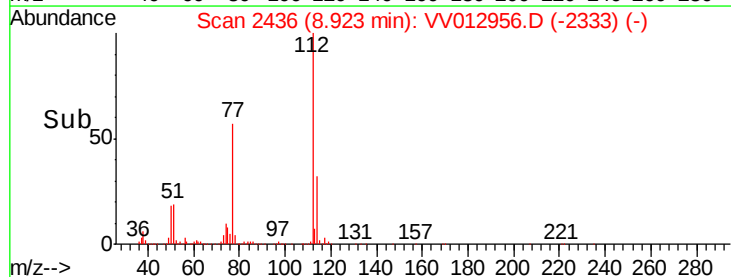
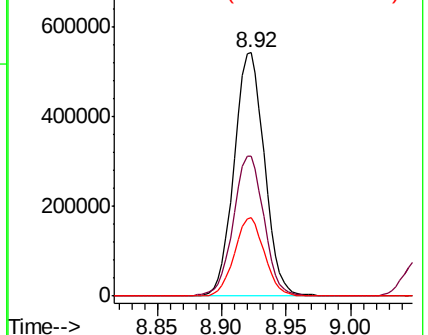
114 32.4 22.5 41.7

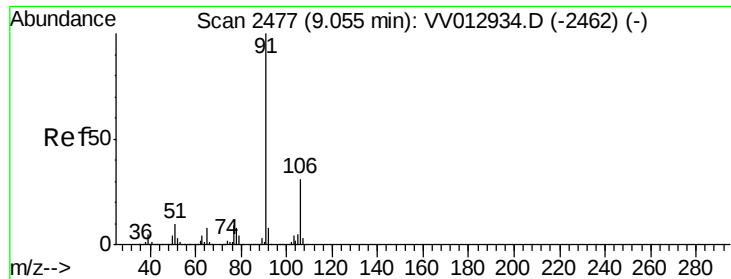


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V

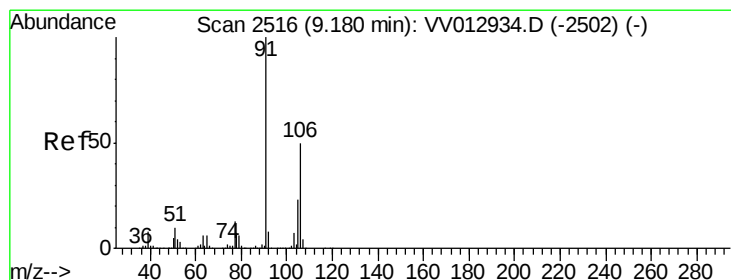
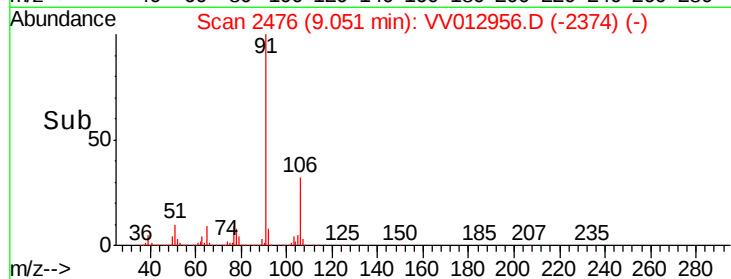
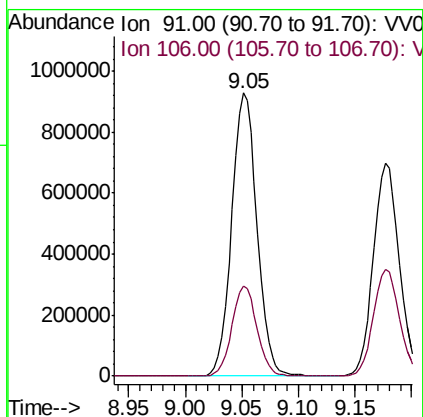
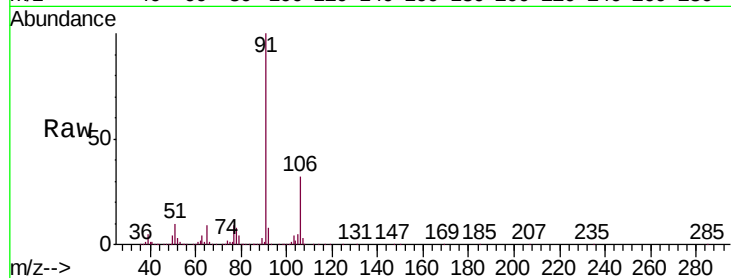




#53
Ethylbenzene
Concen: 24.726 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. -0.00 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

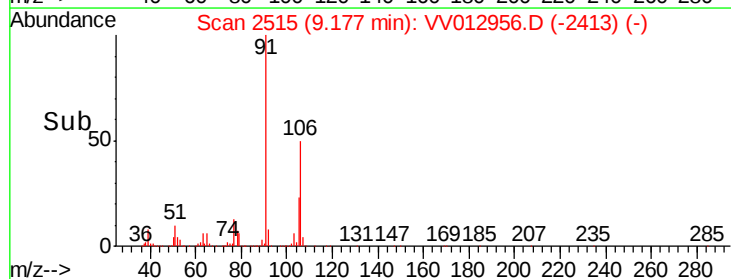
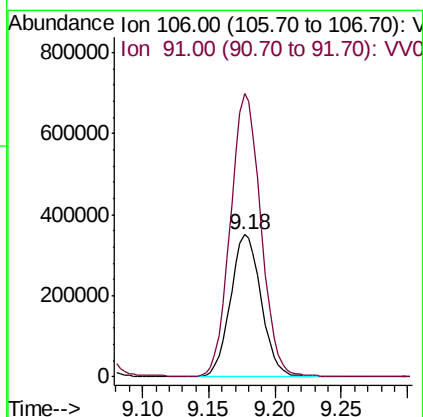
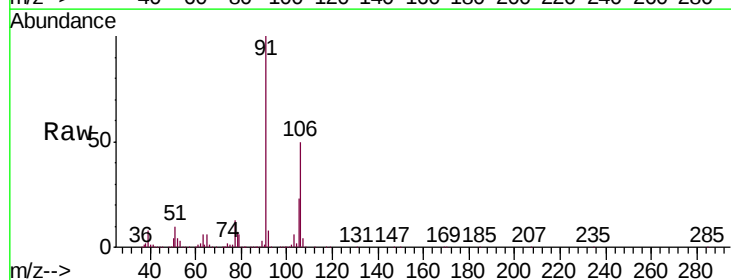
Instrument :
MSVOA_V
ClientSampleId :
VSTD02568

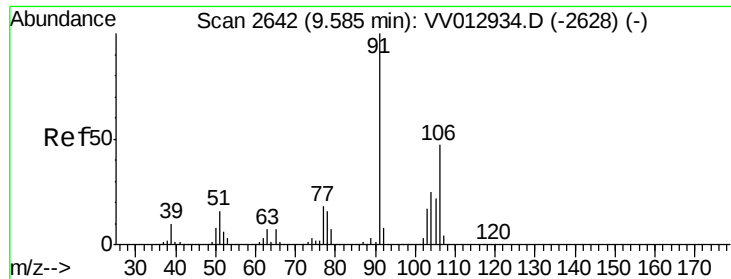
Tgt Ion: 91 Resp: 1447166
Ion Ratio Lower Upper
91 100
106 31.7 21.8 40.4



#54
m,p-Xylene
Concen: 25.228 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. -0.00 min
Lab File: VV012956.D
Acq: 24 Sep 2019 00:15

Tgt Ion: 106 Resp: 561328
Ion Ratio Lower Upper
106 100
91 198.8 140.1 260.3





#55

o-xylene

Concen: 26.183 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

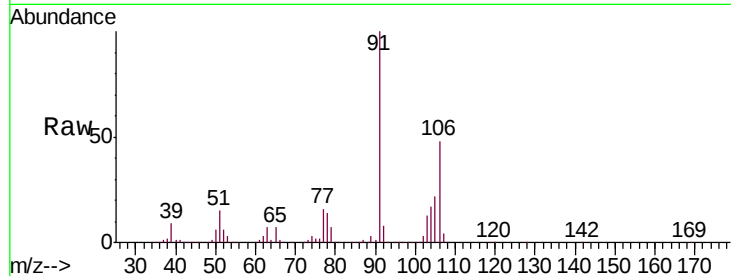
VSTD02568

Tgt Ion:106 Resp: 555086

Ion Ratio Lower Upper

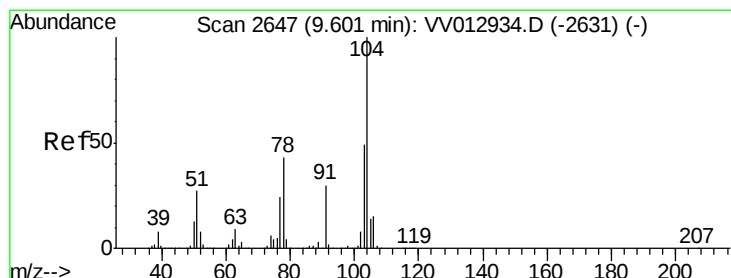
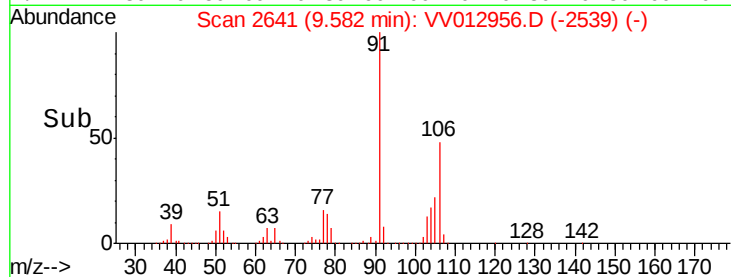
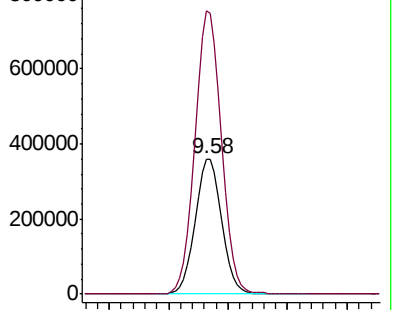
106 100

91 209.4 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 26.342 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012956.D

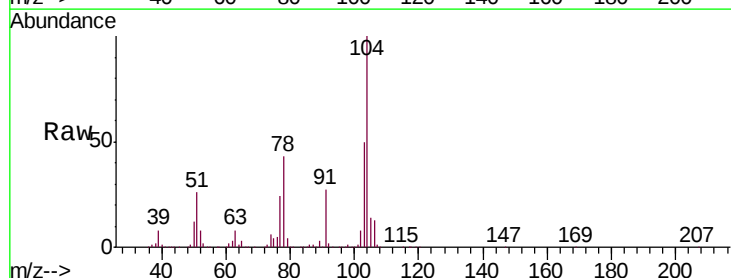
Acq: 24 Sep 2019 00:15

Tgt Ion:104 Resp: 982593

Ion Ratio Lower Upper

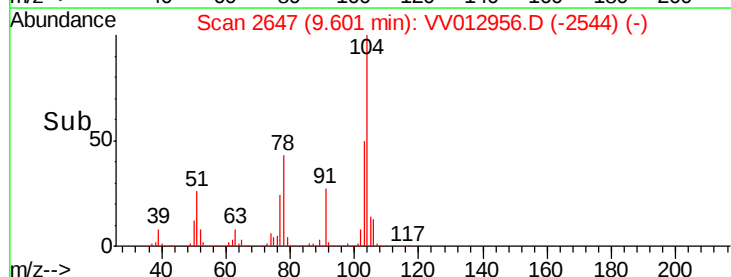
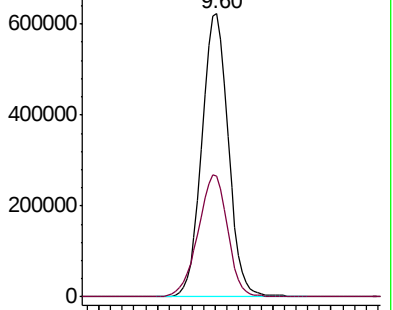
104 100

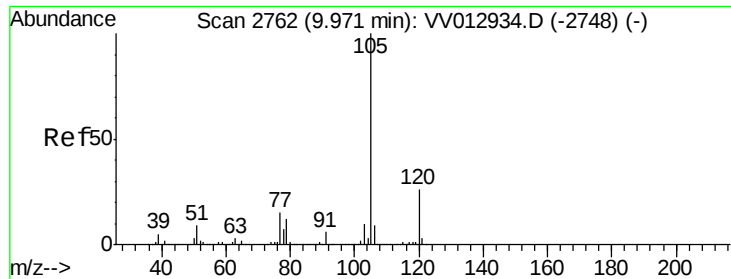
78 42.6 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 25.085 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD02568

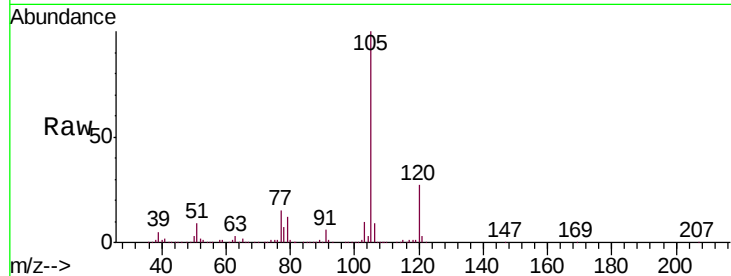
Tgt Ion:105 Resp: 1397632

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

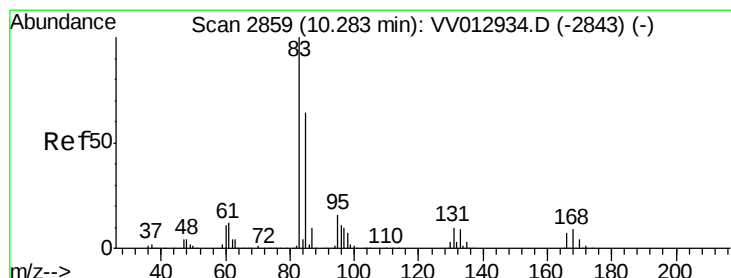
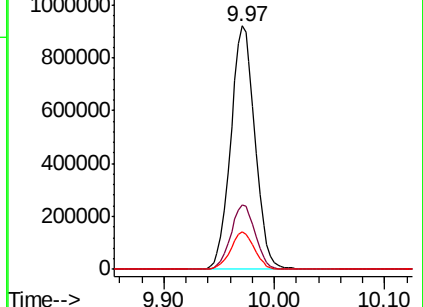
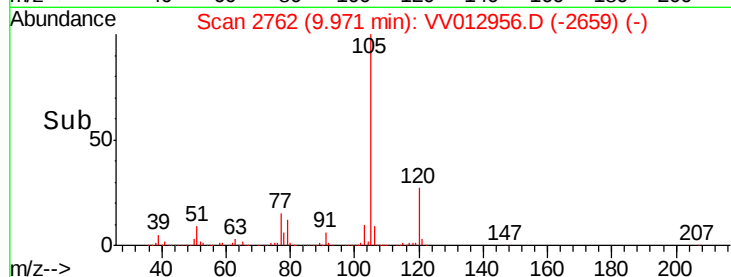
77 15.2 12.2 18.4



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: 25.602 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

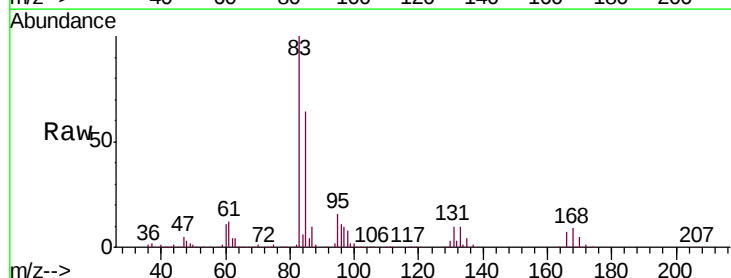
Tgt Ion: 83 Resp: 352388

Ion Ratio Lower Upper

83 100

85 64.3 45.4 84.2

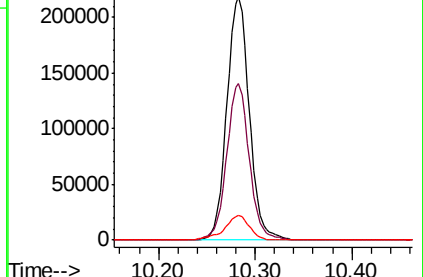
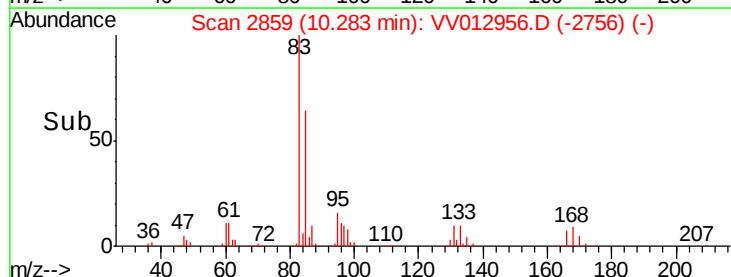
131 10.0 8.2 12.2

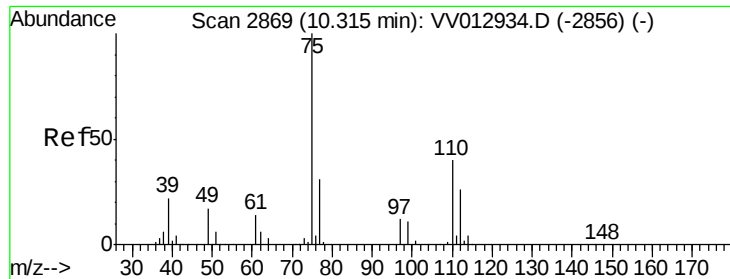


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.740 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

Instrument :

MSVOA_V

ClientSampleId :

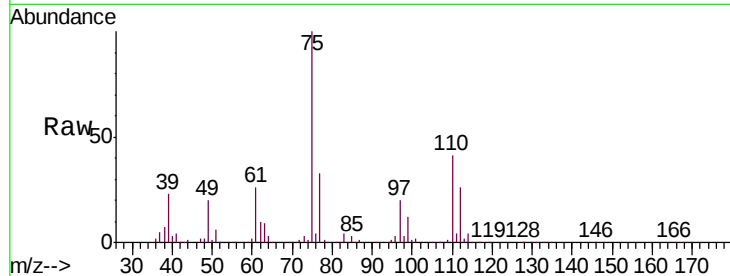
VSTD02568

Tgt Ion: 75 Resp: 281050

Ion Ratio Lower Upper

75 100

77 32.3 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV012934.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV012934.D (-2856) (-)

10.31

200000

150000

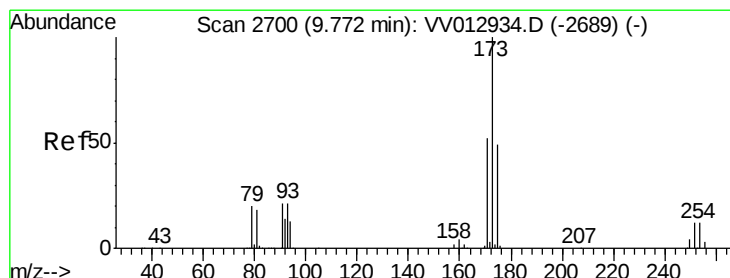
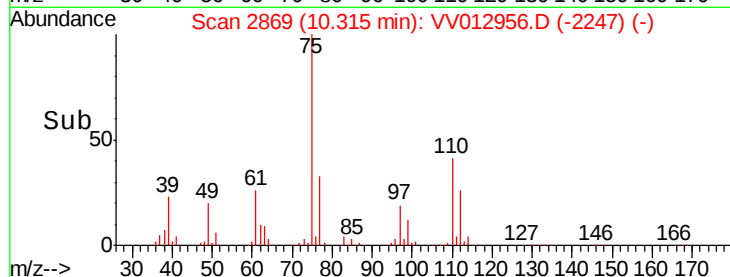
100000

50000

0

10.25 10.30 10.35 10.40

Time-->



#62

Bromoform

Concen: 25.623 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012956.D

Acq: 24 Sep 2019 00:15

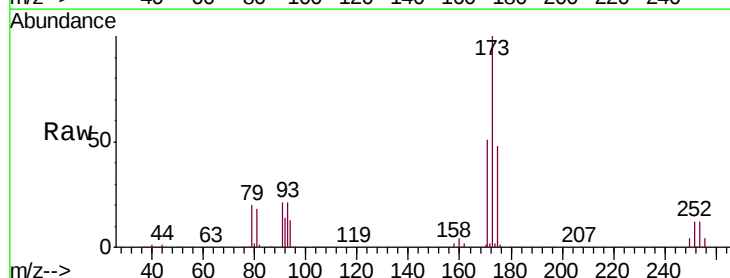
Tgt Ion: 173 Resp: 207283

Ion Ratio Lower Upper

173 100

175 47.9 39.5 59.3

254 11.8 9.1 13.7



Abundance Ion 173.00 (172.70 to 173.70): VV012934.D (-2689) (-)

Ion 175.00 (174.70 to 175.70): VV012934.D (-2689) (-)

Ion 254.00 (253.70 to 254.70): VV012934.D (-2689) (-)

9.77

150000

100000

50000

0

9.70 9.75 9.80 9.85

Time-->

