

Data File : VV009978.D
Acq On : 28 Mar 2019 21:02
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

Quant Time: Mar 29 02:25:42 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 29 02:19:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	159694	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	162213	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78447	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63554	19.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.44%
7) Chloroethane-d5	1.56	69	75409	21.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.20%
10) 1,1-Dichloroethene-d2	2.13	63	199385	22.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	89.96%
20) 2-Butanone-d5	3.93	46	32281	53.46	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.92%
24) Chloroform-d	4.40	84	105653	25.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.88%
26) 1,2-Dichloroethane-d4	5.08	65	64386	26.30	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.20%
29) Benzene-d6	5.10	84	208931	24.53	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.12%
33) 1,2-Dichloropropane-d6	6.12	67	64231	25.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	103.08%
37) Toluene-d8	7.36	98	196606	24.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.52%
38) trans-1,3-Dichloropropene-	7.66	79	25021	24.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.16%
39) 2-Hexanone-d5	8.13	63	23346	50.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.38%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62404	25.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.16%
61) 1,2-Dichlorobenzene-d4	11.67	152	73238	24.52	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.08%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	54635	22.098	ug/L	96
3) Chloromethane	1.25	50	59622	20.867	ug/L	95
5) Vinyl chloride	1.32	62	81080	21.824	ug/L	99
6) Bromomethane	1.51	94	73117	19.732	ug/L	99
8) Chloroethane	1.58	64	66743	20.854	ug/L	98
9) Trichlorofluoromethane	1.76	101	191916	24.223	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	109575	23.794	ug/L	98
12) 1,1-Dichloroethene	2.14	96	93135	23.840	ug/L	96
13) Acetone	2.18	43	34959	38.236	ug/L	94
14) Carbon disulfide	2.31	76	115809	21.911	ug/L	97
15) Methyl Acetate	2.46	43	24319	22.708	ug/L	96
16) Methylene chloride	2.53	84	60829	23.130	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	124211	24.368	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	50115	23.950	ug/L	97
19) 1,1-Dichloroethane	3.23	63	94391	24.667	ug/L	99
21) 2-Butanone	4.01	43	37254	45.751	ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	59913	25.932	ug/L	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27314	25.603	ug/L	92
25) Chloroform	4.42	83	113472	26.819	ug/L	99
27) 1,2-Dichloroethane	5.18	62	77244	25.768	ug/L	100
30) Cyclohexane	4.72	56	76265	23.318	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	83330	25.669	ug/L	99
32) Carbon tetrachloride	4.87	117	72343	25.639	ug/L	96
34) Benzene	5.14	78	219447	24.636	ug/L	100
35) Trichloroethene	5.96	95	57066	24.287	ug/L	99
36) Methylcyclohexane	6.17	83	91804	24.903	ug/L	98
40) 1,2-Dichloropropane	6.22	63	59878	26.901	ug/L	100
41) Bromodichloromethane	6.55	83	70585	25.499	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	81537	25.125	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	79221	49.874	ug/L	99
44) Toluene	7.43	91	246440	25.096	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	66157	24.904	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	45958	24.965	ug/L	96
47) Tetrachloroethene	8.02	164	43853	23.652	ug/L	90
49) 2-Hexanone	8.18	43	52401	48.812	ug/L #	96
50) Dibromochloromethane	8.29	129	49045	25.694	ug/L	90
51) 1,2-Dibromoethane	8.40	107	45023	25.188	ug/L #	99
52) Chlorobenzene	8.92	112	159077	24.334	ug/L	98
53) Ethylbenzene	9.05	91	270138	24.938	ug/L	98
54) m,p-Xylene	9.18	106	103300	24.280	ug/L	90
55) o-xylene	9.59	106	106495	25.788	ug/L	99
56) Styrene	9.60	104	177041	24.959	ug/L	95
57) Isopropylbenzene	9.97	105	268336	25.047	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	62962	25.374	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	44201	24.681	ug/L	99
62) Bromoform	9.77	173	24478	24.259	ug/L	97
63) 1,3-Dichlorobenzene	11.22	146	118853	24.496	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	124846	23.676	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	120512	25.167	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	7033	23.499	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	86408	25.076	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	64165	25.244	ug/L	98
69) Naphthalene	13.55	128	95996	22.720	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	58875	24.360	ug/L	98

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

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ClientSampleId :
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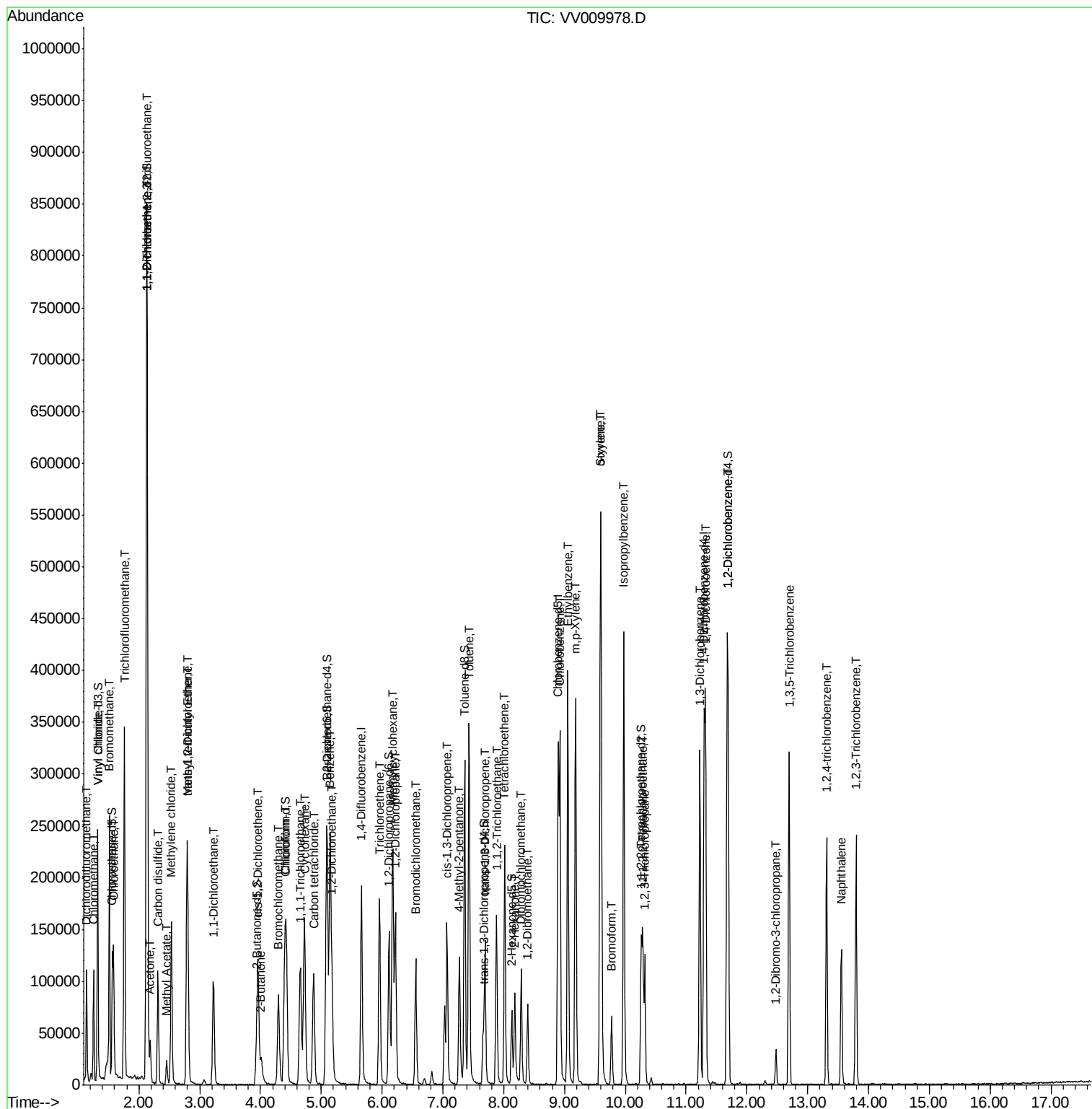
Quant Time: Mar 29 02:25:42 2019

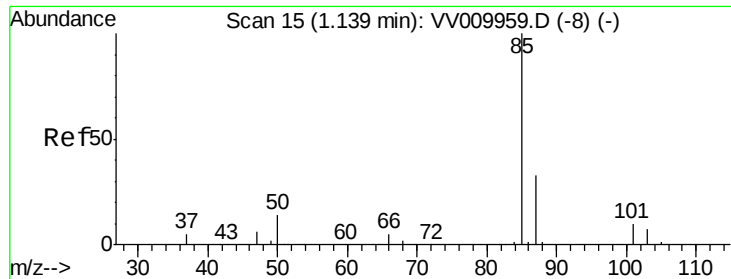
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM032619S.M

Quant Title : VOC Analysis

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 22.098 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

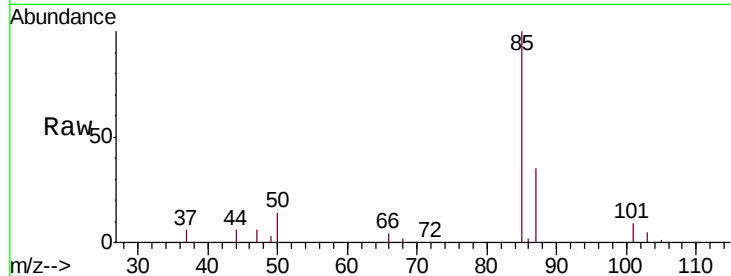
VSTD02570

Tgt Ion: 85 Resp: 54635

Ion Ratio Lower Upper

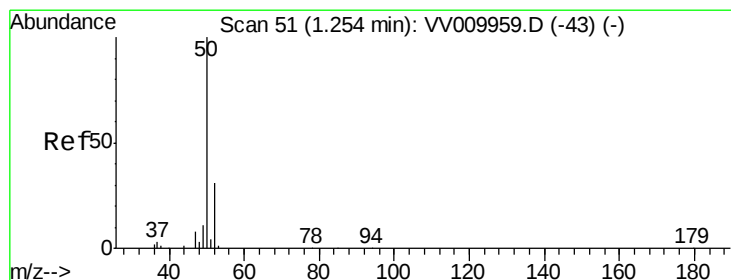
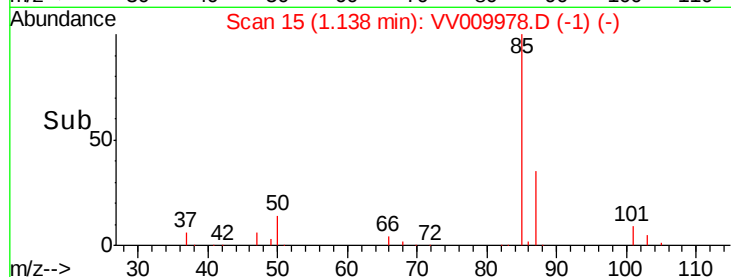
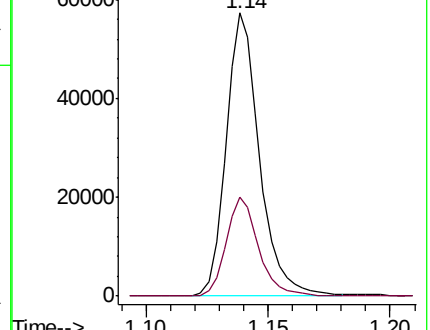
85 100

87 34.0 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV009959.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009959.D (-8) (-)



#3

Chloromethane

Concen: 20.867 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009978.D

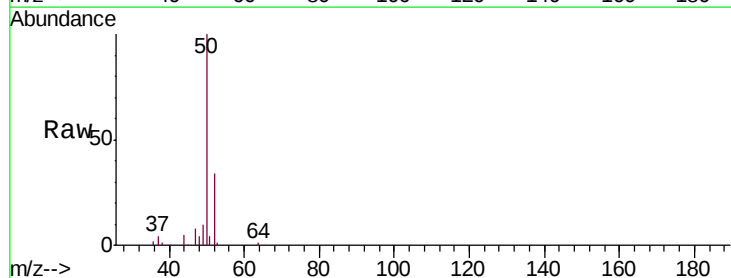
Acq: 28 Mar 2019 21:02

Tgt Ion: 50 Resp: 59622

Ion Ratio Lower Upper

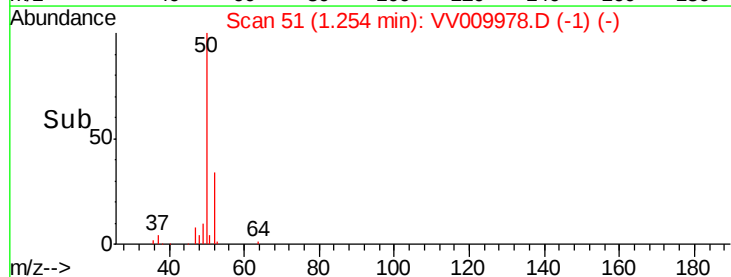
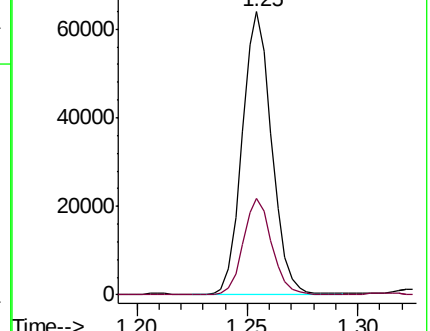
50 100

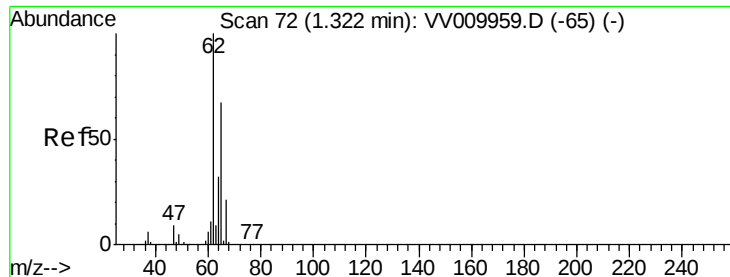
52 34.1 21.8 40.6



Abundance Ion 50.00 (49.70 to 50.70): VV009959.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009959.D (-43) (-)





#5

Vinyl chloride

Concen: 21.824 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

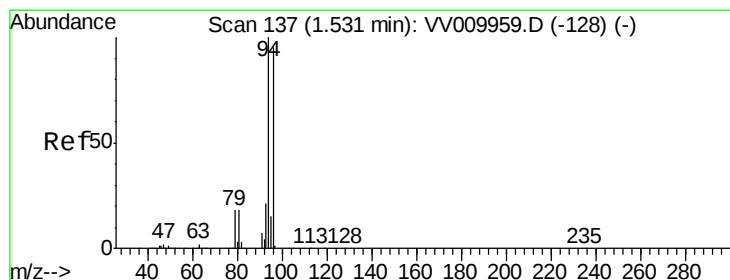
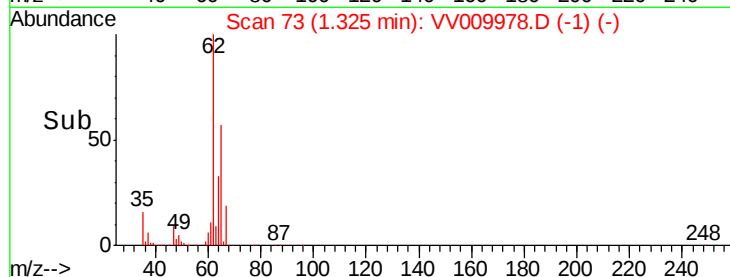
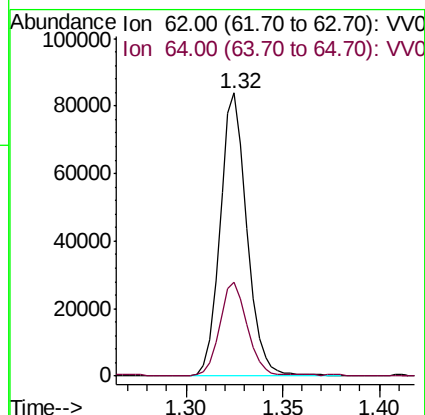
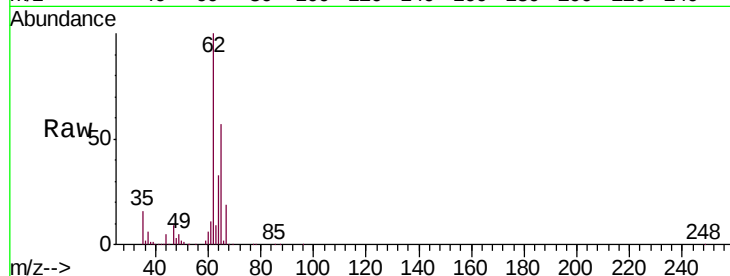
VSTD02570

Tgt Ion: 62 Resp: 81080

Ion Ratio Lower Upper

62 100

64 33.2 22.8 42.4



#6

Bromomethane

Concen: 19.732 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.02 min

Lab File: VV009978.D

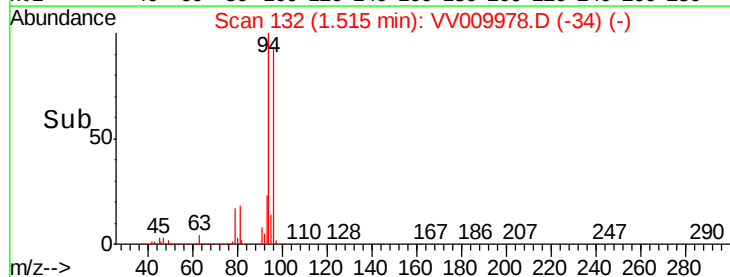
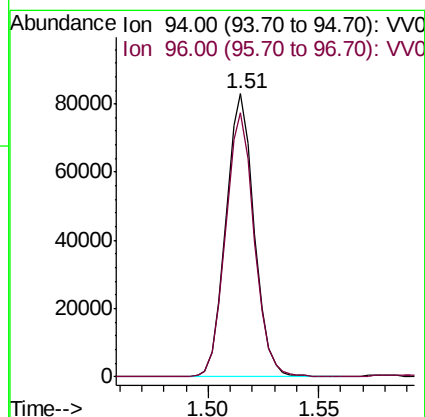
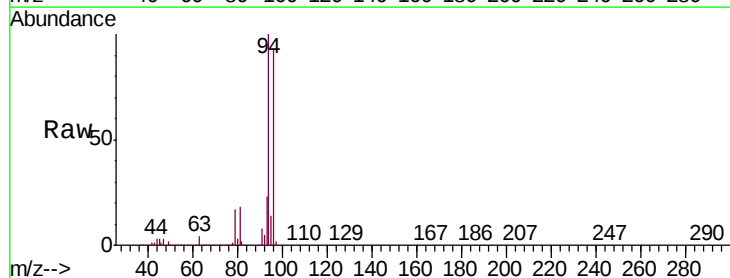
Acq: 28 Mar 2019 21:02

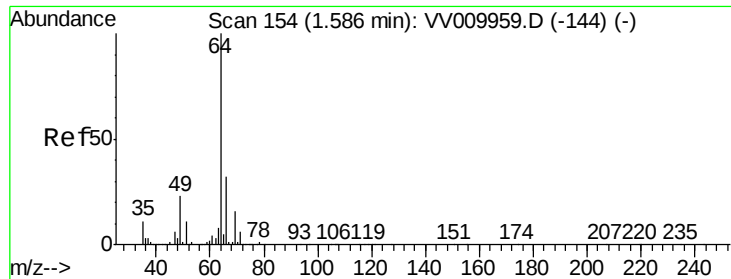
Tgt Ion: 94 Resp: 73117

Ion Ratio Lower Upper

94 100

96 95.5 9.4 179.4





#8

Chloroethane

Concen: 20.854 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

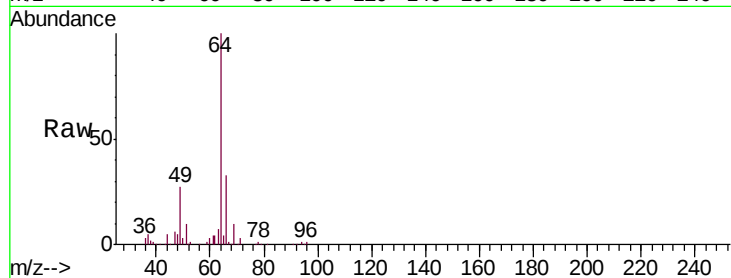
VSTD02570

Tgt Ion: 64 Resp: 66743

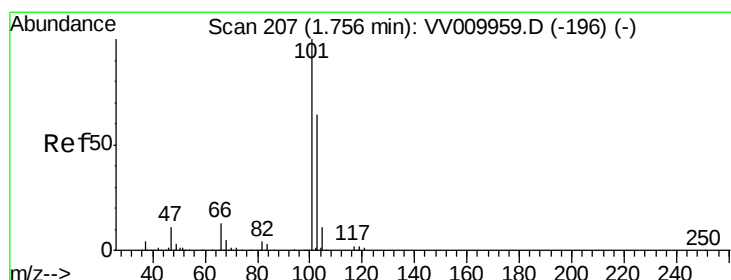
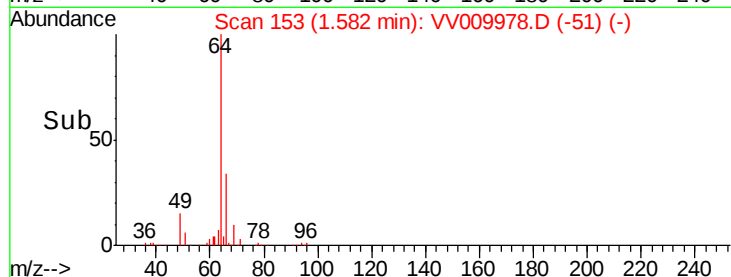
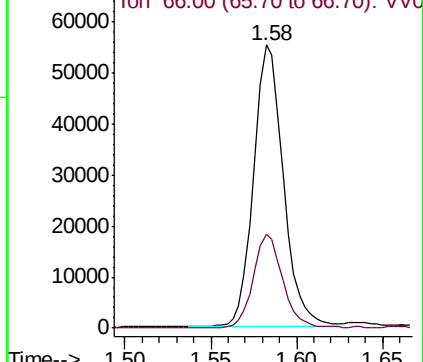
Ion Ratio Lower Upper

64 100

66 33.2 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VV009959.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 24.223 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.01 min

Lab File: VV009978.D

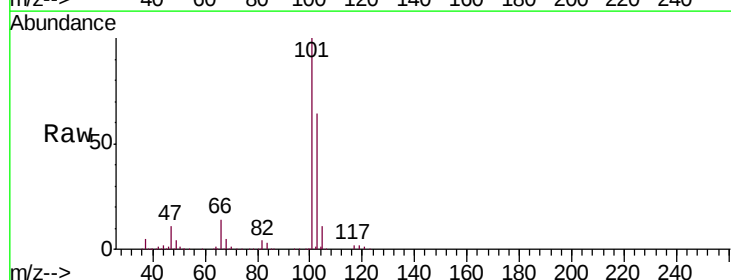
Acq: 28 Mar 2019 21:02

Tgt Ion: 101 Resp: 191916

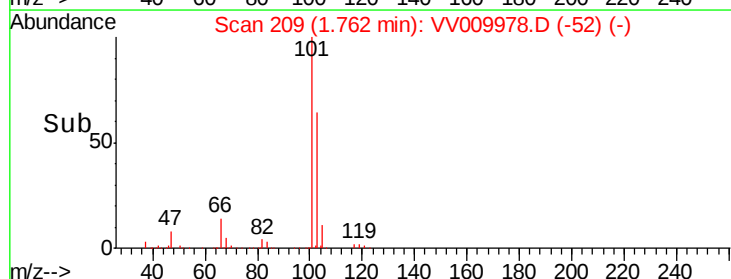
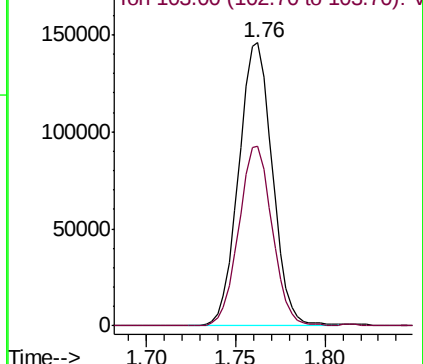
Ion Ratio Lower Upper

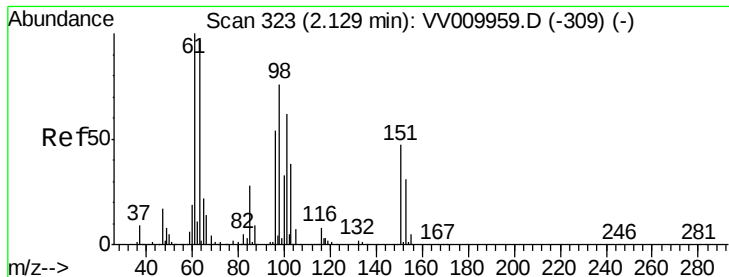
101 100

103 63.1 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV009959.D (-196) (-)





#11

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

Concen: 23.794 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

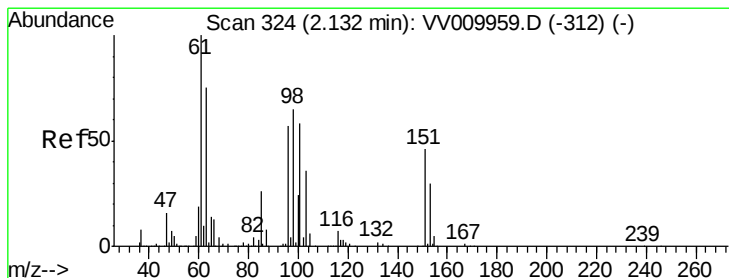
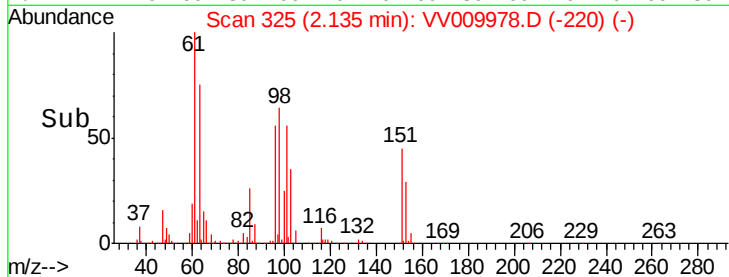
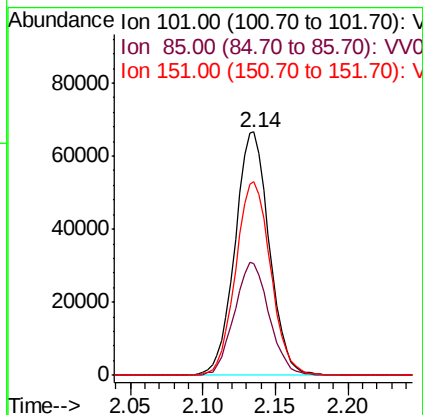
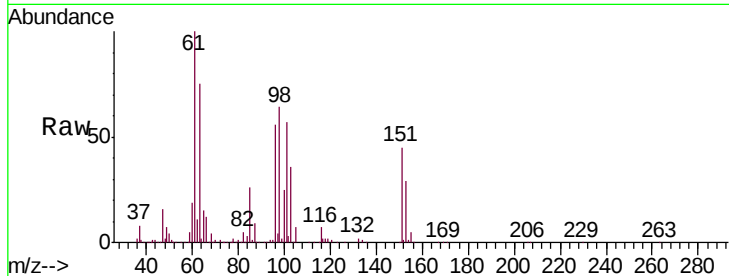
Instrument :

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ClientSampleId :

VSTD02570

Tgt Ion:	101	Resp:	109575
Ion	Ratio	Lower	Upper
101	100		
85	47.0	36.9	55.3
151	81.1	63.6	95.4



#12

1,1-Dichloroethene

Concen: 23.840 ug/L

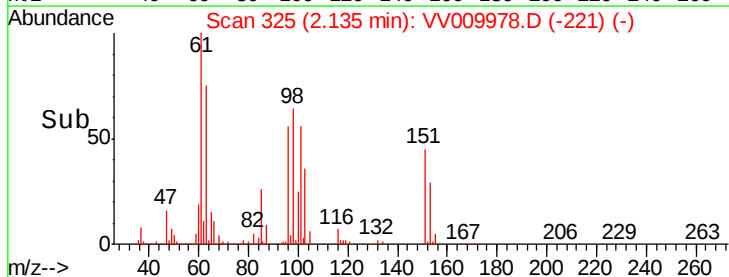
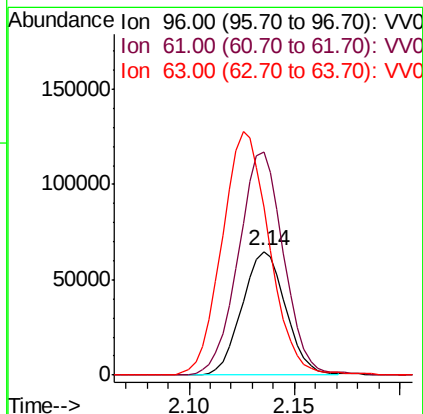
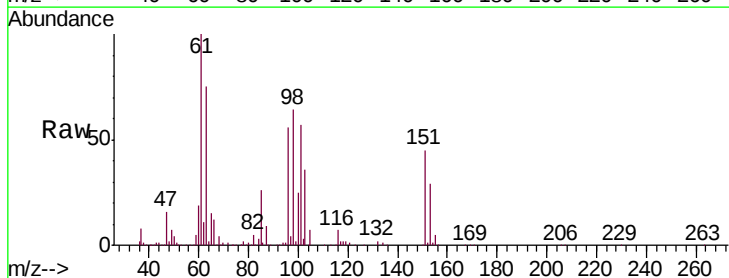
RT: 2.14 min Scan# 325

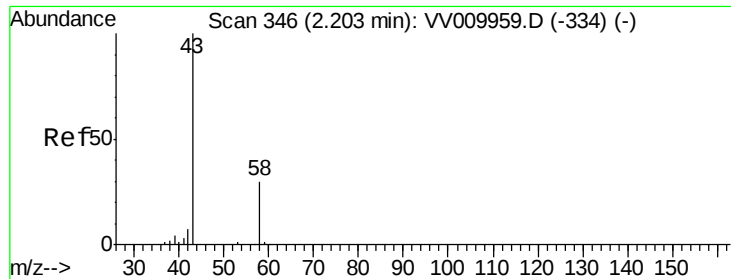
Delta R.T. 0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Tgt Ion:	96	Resp:	93135
Ion	Ratio	Lower	Upper
96	100		
61	179.8	124.3	230.8
63	135.6	88.2	163.8





#13

Acetone

Concen: 38.236 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.02 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

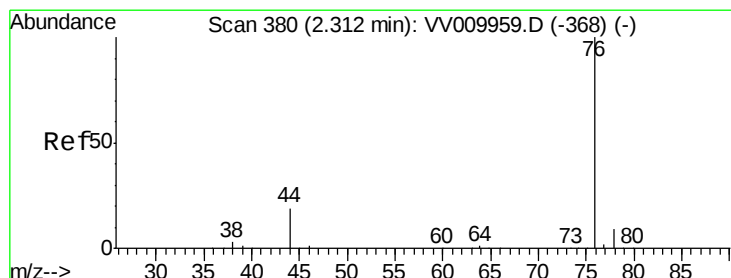
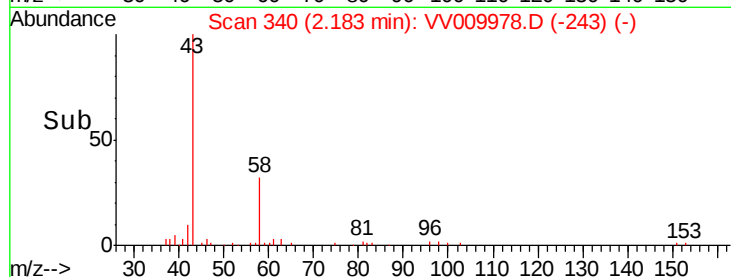
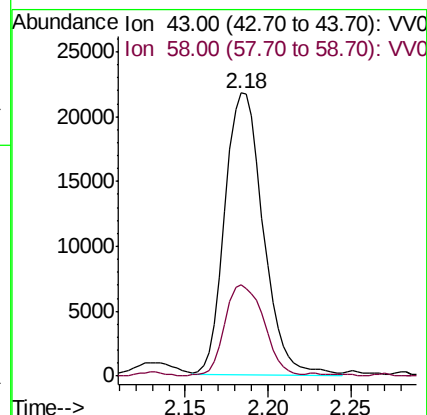
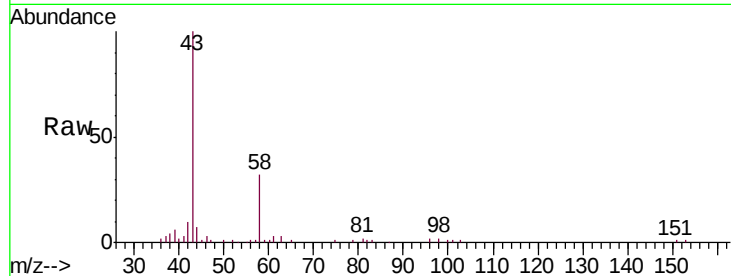
VSTD02570

Tgt Ion: 43 Resp: 34959

Ion Ratio Lower Upper

43 100

58 32.9 0.0 59.4



#14

Carbon disulfide

Concen: 21.911 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009978.D

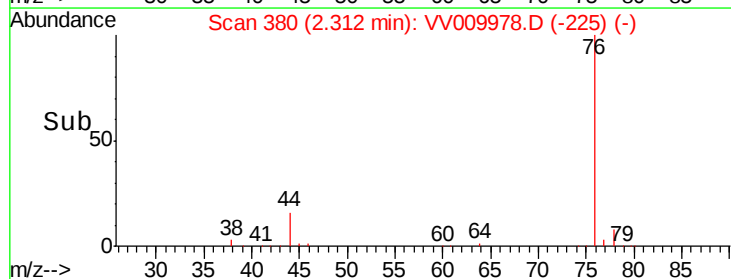
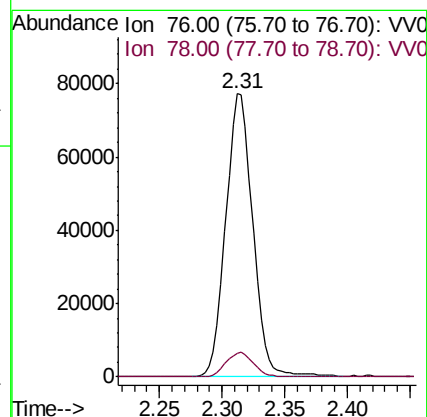
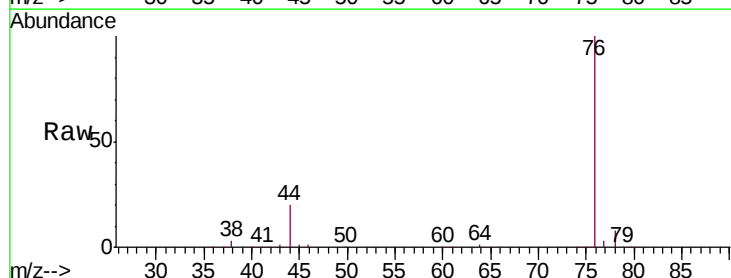
Acq: 28 Mar 2019 21:02

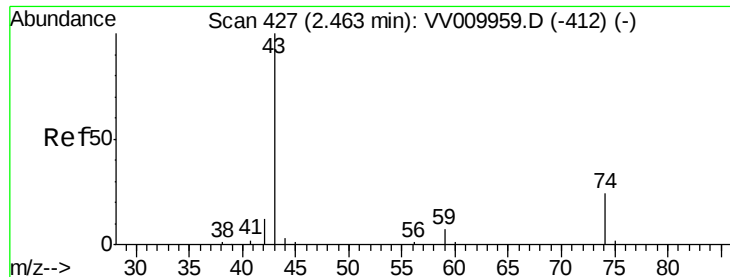
Tgt Ion: 76 Resp: 115809

Ion Ratio Lower Upper

76 100

78 8.4 7.5 11.3





#15

Methyl Acetate

Concen: 22.708 ug/L

RT: 2.46 min Scan# 425

Delta R.T. -0.01 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

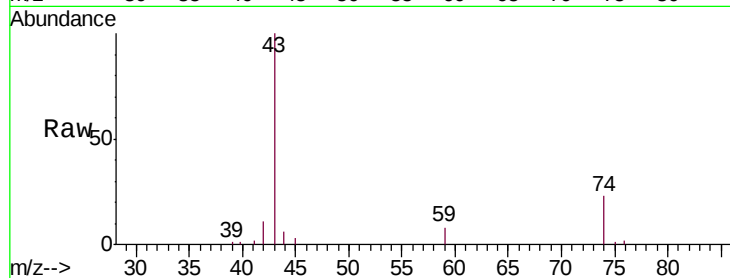
VSTD02570

Tgt Ion: 43 Resp: 24319

Ion Ratio Lower Upper

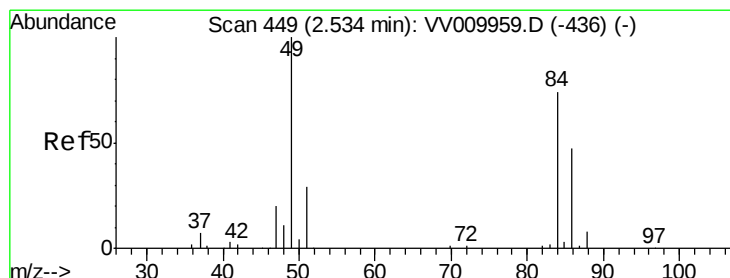
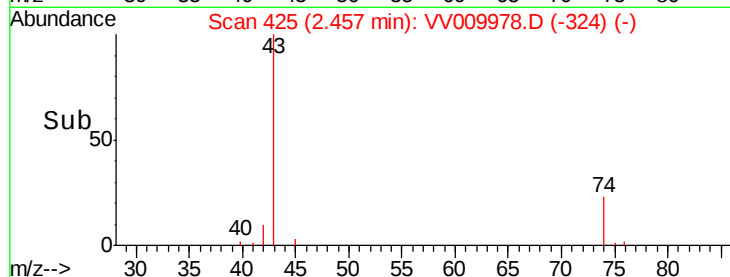
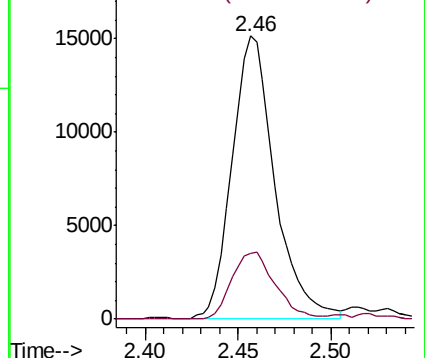
43 100

74 24.2 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 23.130 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

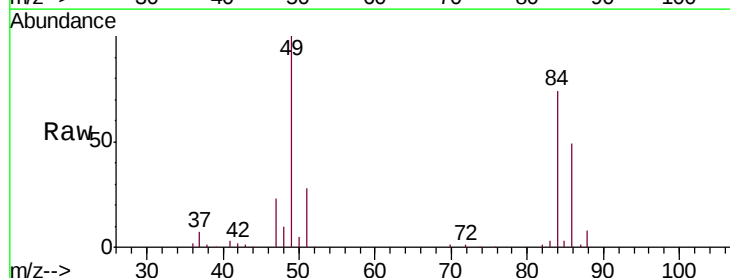
Tgt Ion: 84 Resp: 60829

Ion Ratio Lower Upper

84 100

49 134.9 90.4 167.8

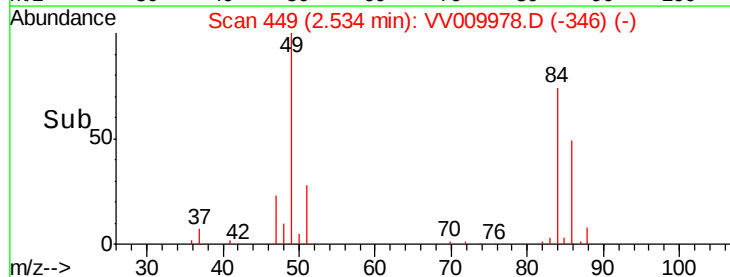
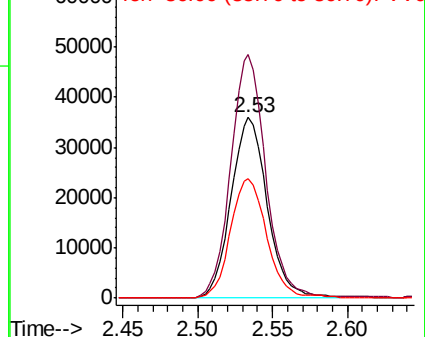
86 66.5 44.0 81.6

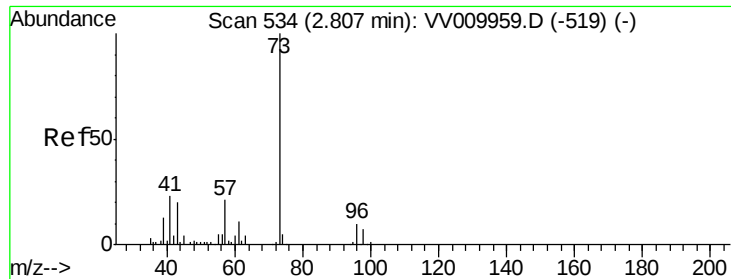


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

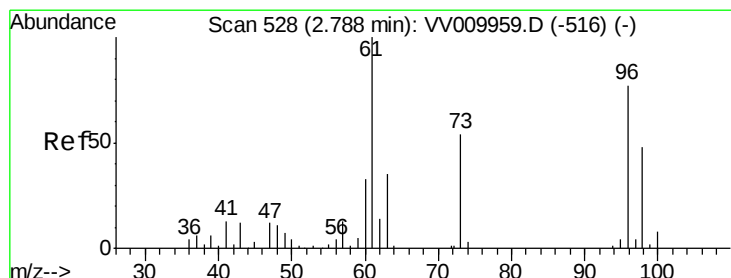
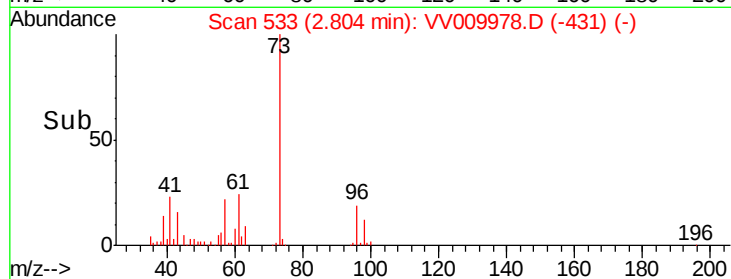
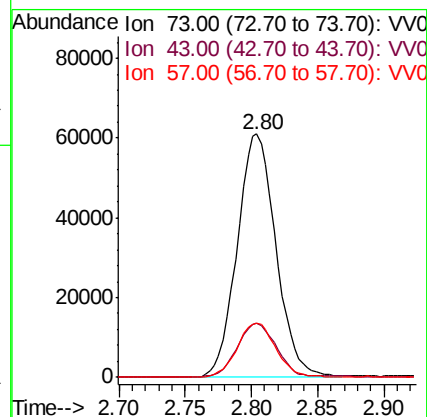
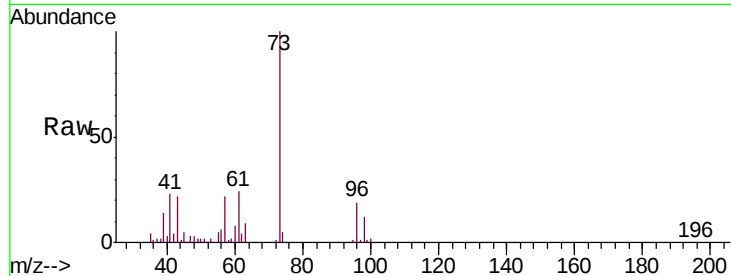




#17
Methyl tert-butyl Ether
Concen: 24.368 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV009978.D
Acq: 28 Mar 2019 21:02

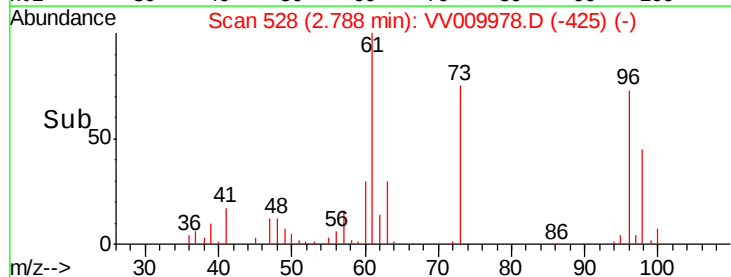
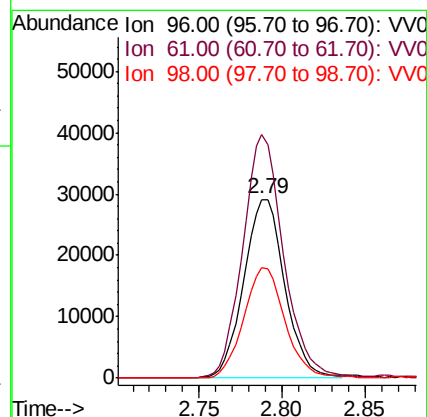
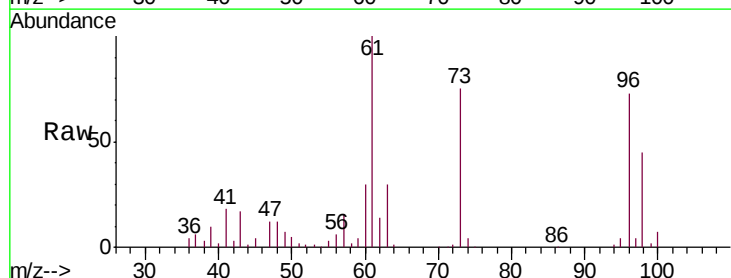
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

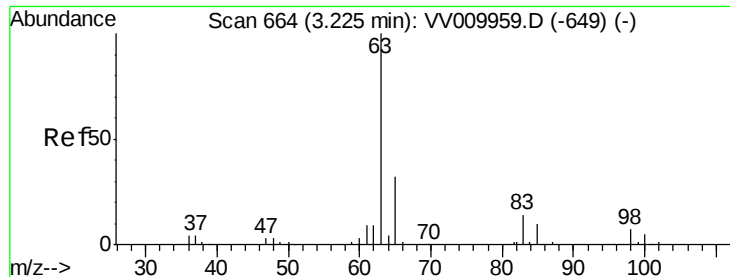
Tgt Ion: 73 Resp: 124211
Ion Ratio Lower Upper
73 100
43 23.1 17.0 25.6
57 22.4 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 23.950 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009978.D
Acq: 28 Mar 2019 21:02

Tgt Ion: 96 Resp: 50115
Ion Ratio Lower Upper
96 100
61 136.3 96.8 179.8
98 61.7 46.1 85.7

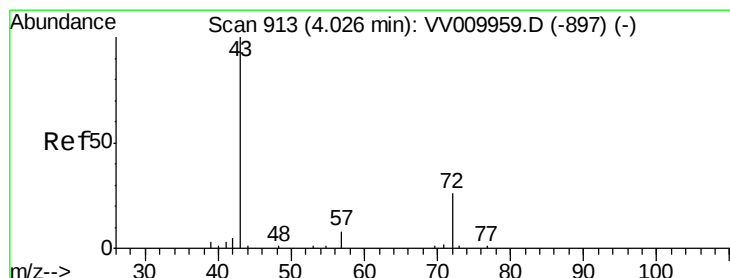
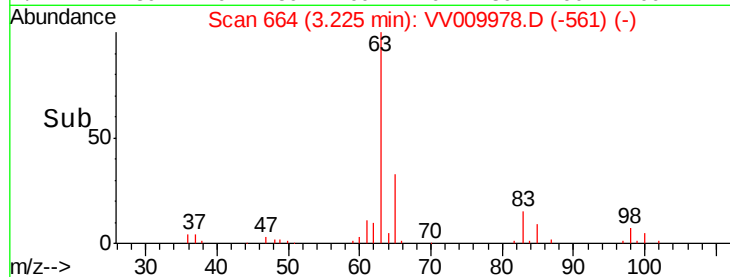
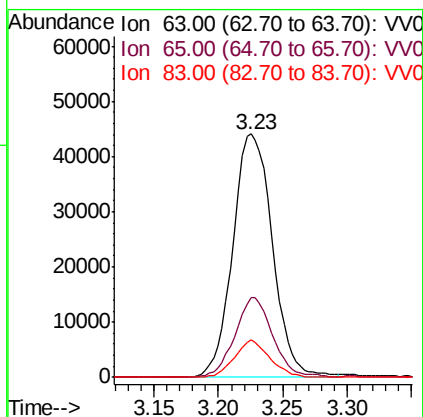
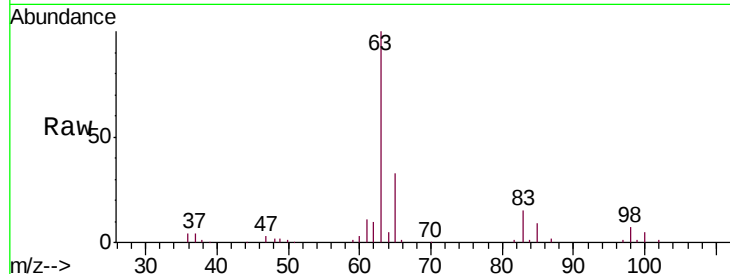




#19
 1,1-Dichloroethane
 Concen: 24.667 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV009978.D
 Acq: 28 Mar 2019 21:02

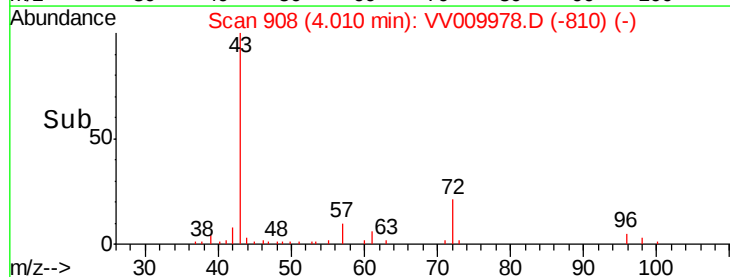
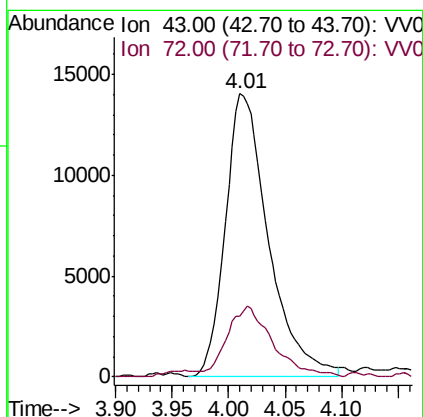
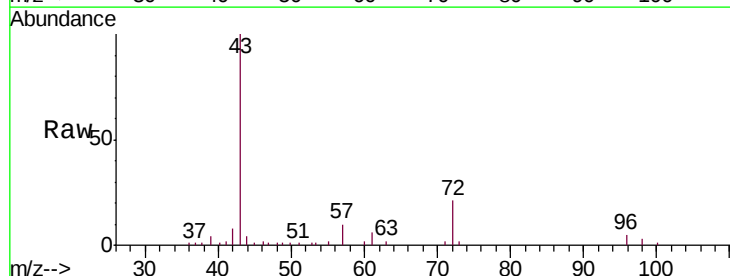
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

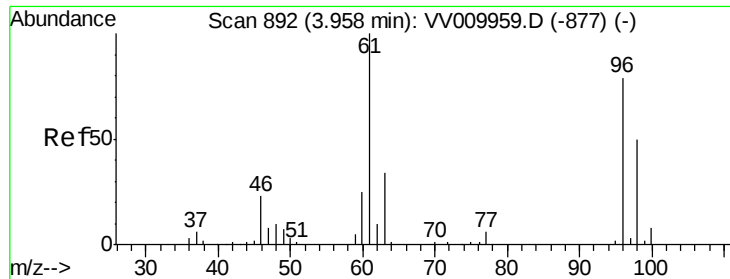
Tgt Ion: 63 Resp: 94391
 Ion Ratio Lower Upper
 63 100
 65 32.9 23.2 43.0
 83 15.2 11.3 21.1



#21
 2-Butanone
 Concen: 45.751 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. -0.02 min
 Lab File: VV009978.D
 Acq: 28 Mar 2019 21:02

Tgt Ion: 43 Resp: 37254
 Ion Ratio Lower Upper
 43 100
 72 24.0 11.1 33.1



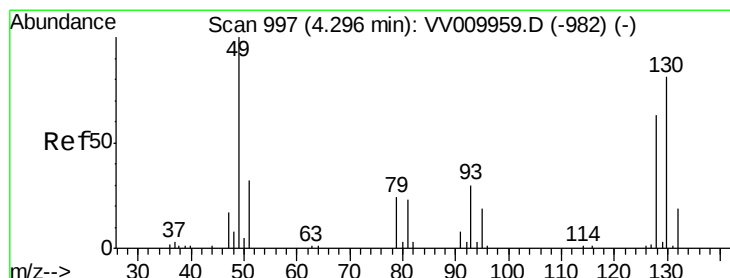
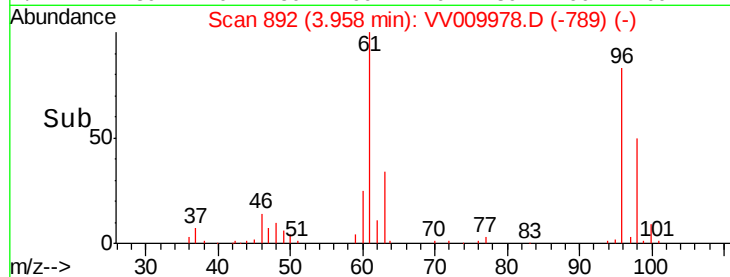
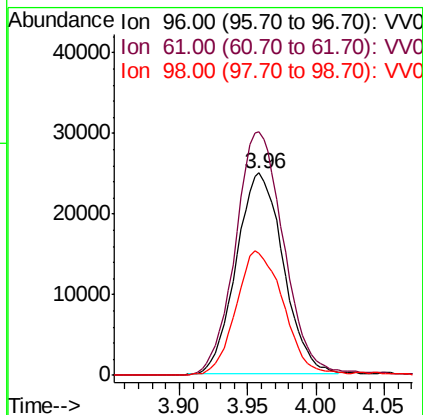
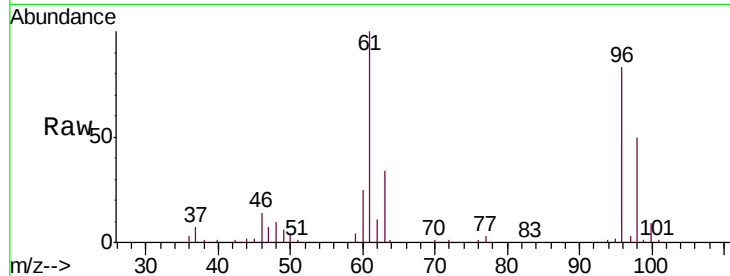


#22

cis-1,2-Dichloroethene
 Concen: 25.932 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV009978.D
 Acq: 28 Mar 2019 21:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

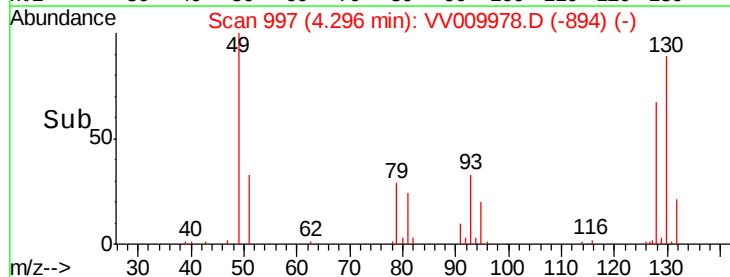
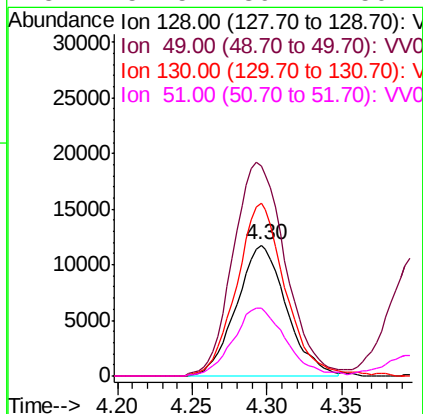
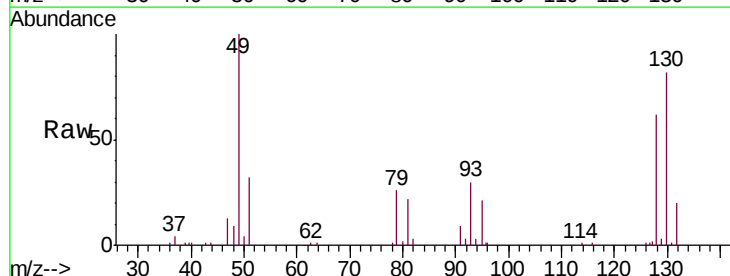
Tgt Ion: 96 Resp: 59913
 Ion Ratio Lower Upper
 96 100
 61 120.5 91.4 169.8
 98 60.1 48.0 89.2

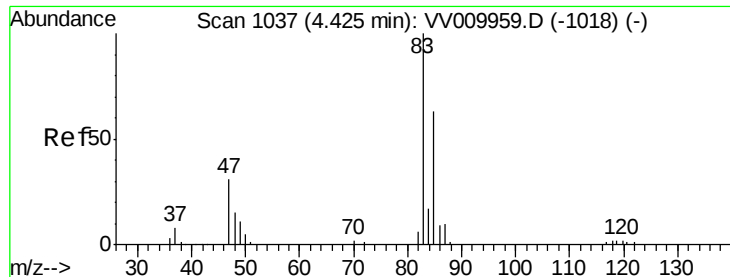


#23

Bromochloromethane
 Concen: 25.603 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV009978.D
 Acq: 28 Mar 2019 21:02

Tgt Ion: 128 Resp: 27314
 Ion Ratio Lower Upper
 128 100
 49 161.0 118.2 219.6
 130 132.2 83.4 154.8
 51 51.5 39.4 59.2

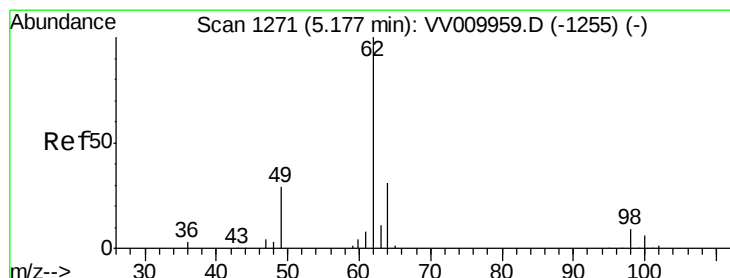
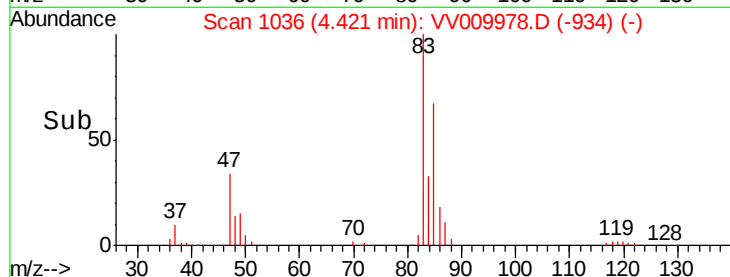
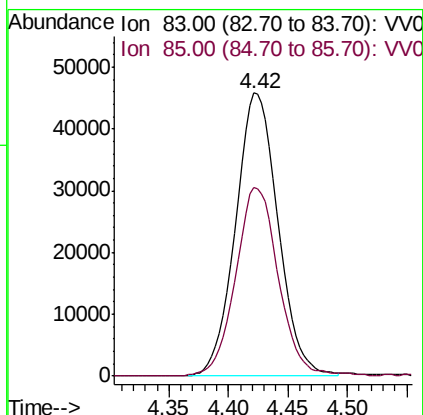
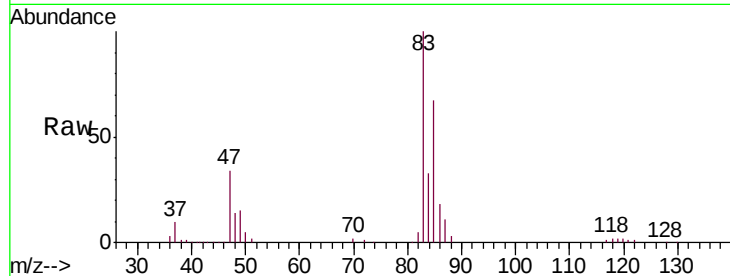




#25
Chloroform
Concen: 26.819 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009978.D
Acq: 28 Mar 2019 21:02

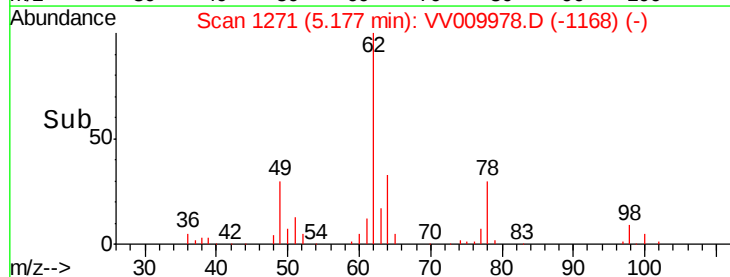
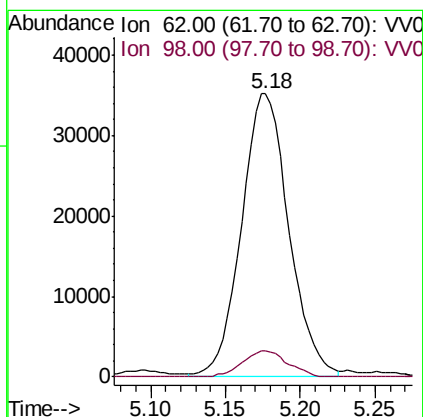
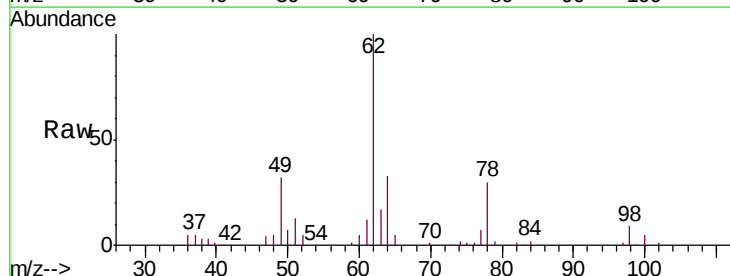
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

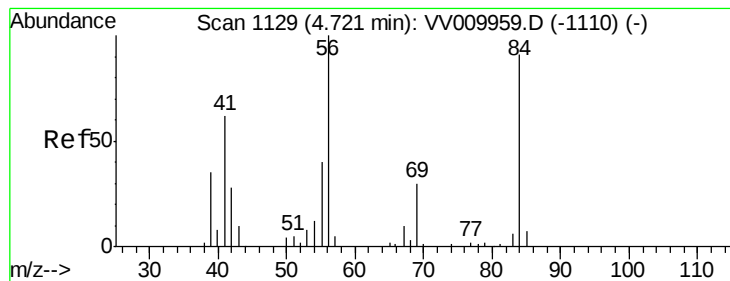
Tgt Ion: 83 Resp: 113472
Ion Ratio Lower Upper
83 100
85 67.0 46.1 85.7



#27
1,2-Dichloroethane
Concen: 25.768 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV009978.D
Acq: 28 Mar 2019 21:02

Tgt Ion: 62 Resp: 77244
Ion Ratio Lower Upper
62 100
98 9.1 7.2 10.8





#30

Cyclohexane

Concen: 23.318 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

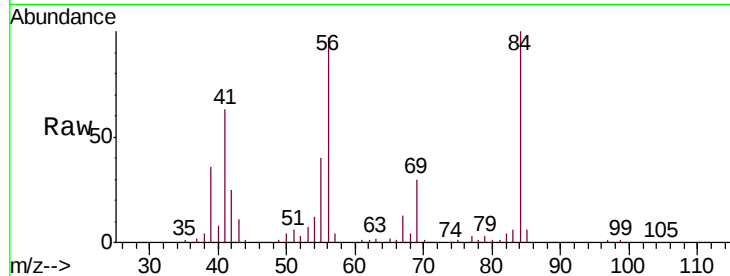
Tgt Ion: 56 Resp: 76265

Ion Ratio Lower Upper

56 100

69 30.6 24.5 36.7

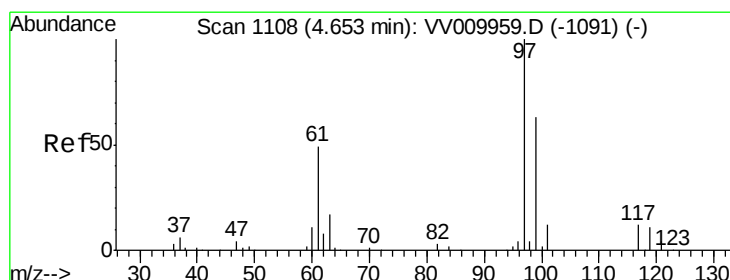
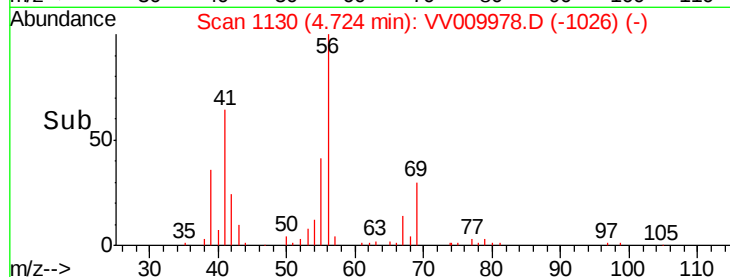
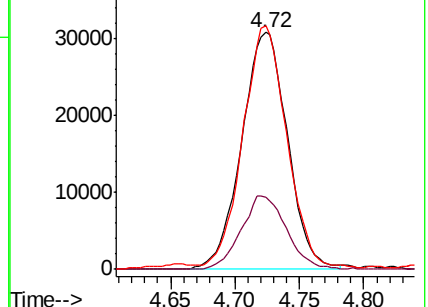
84 97.5 75.6 113.4



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 25.669 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

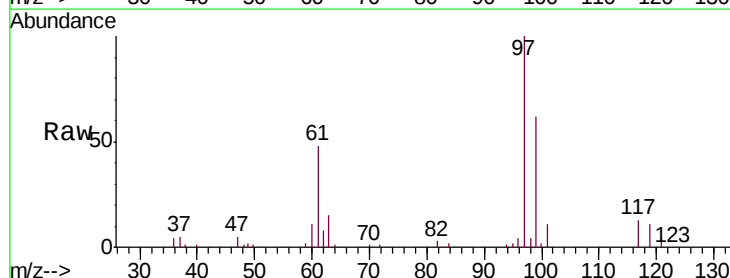
Tgt Ion: 97 Resp: 83330

Ion Ratio Lower Upper

97 100

99 64.9 51.5 77.3

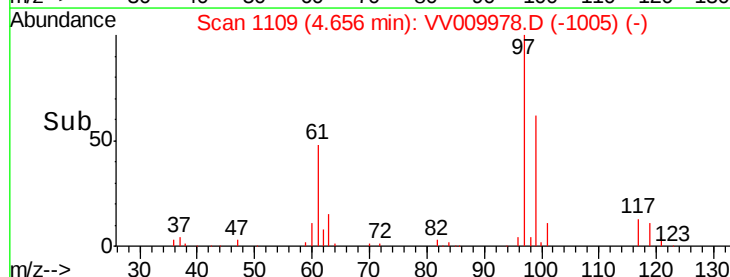
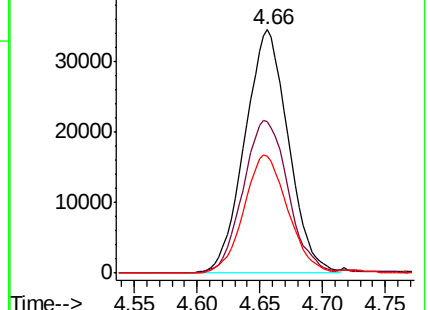
61 48.7 39.4 59.0

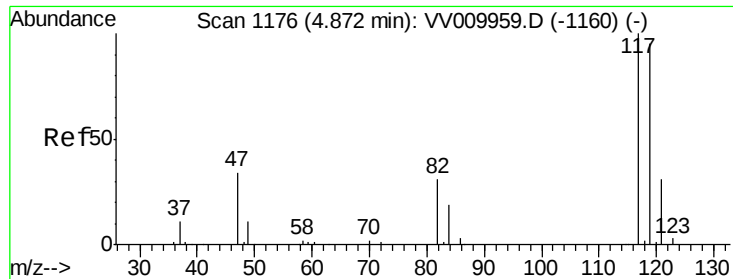


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 25.639 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

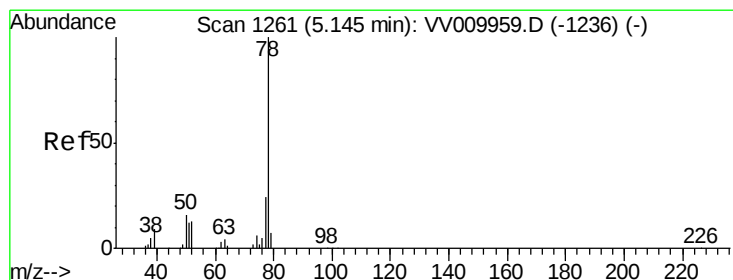
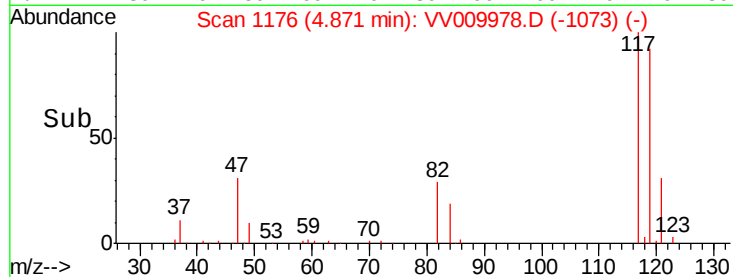
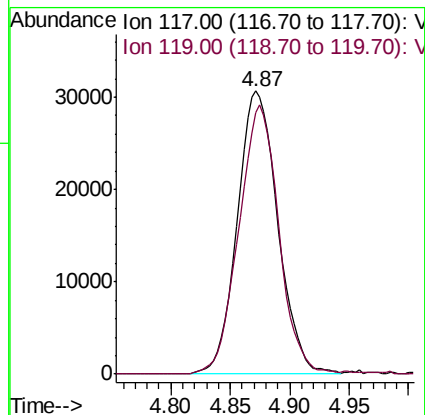
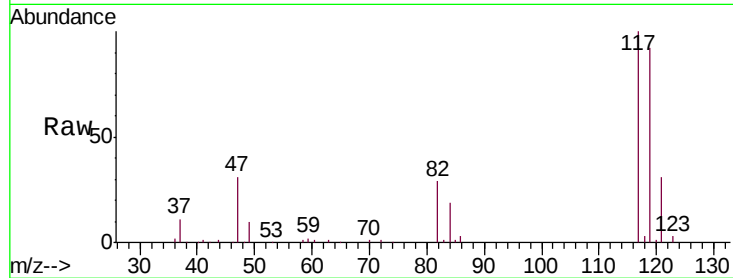
VSTD02570

Tgt Ion:117 Resp: 72343

Ion Ratio Lower Upper

117 100

119 93.5 78.1 117.1



#34

Benzene

Concen: 24.636 ug/L

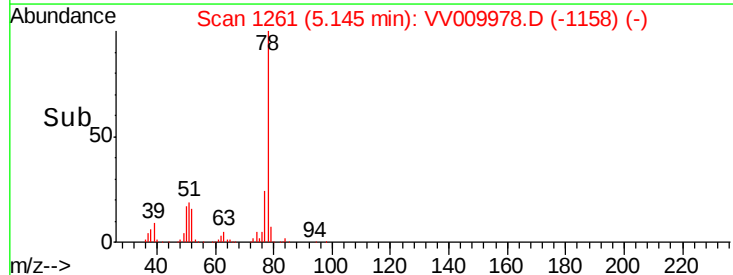
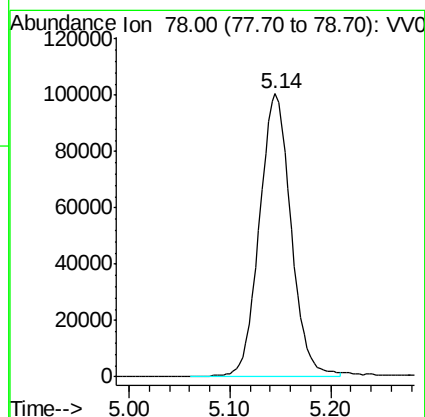
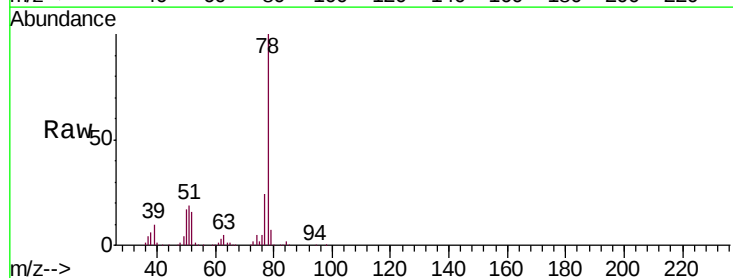
RT: 5.14 min Scan# 1261

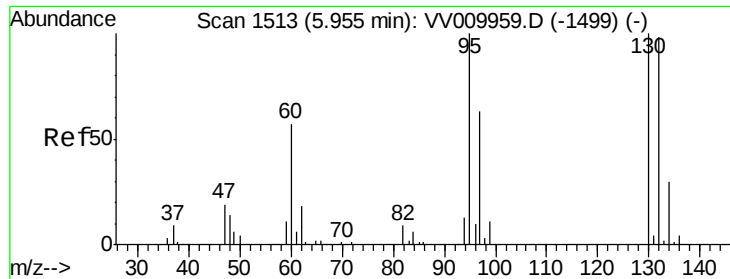
Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Tgt Ion: 78 Resp: 219447





#35

Trichloroethene

Concen: 24.287 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

Tgt Ion: 95 Resp: 57066

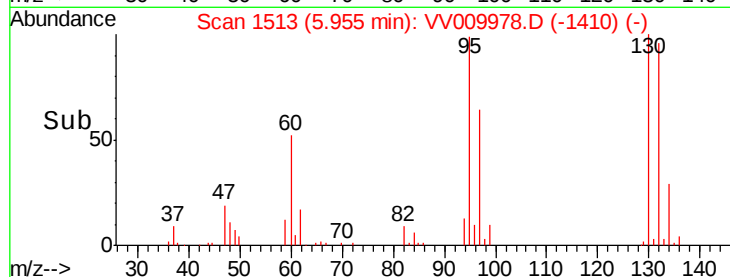
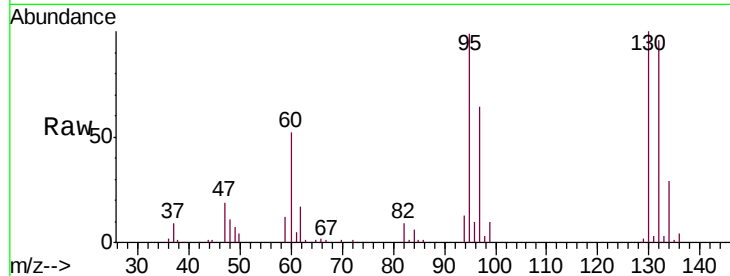
Ion Ratio Lower Upper

95 100

97 63.6 46.3 85.9

132 98.1 69.3 128.7

130 99.2 69.5 129.1

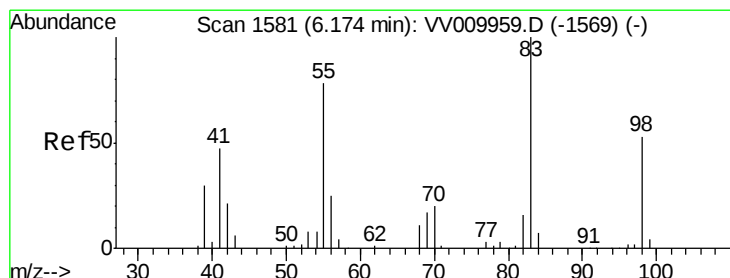
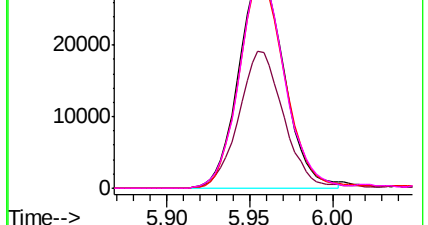


Abundance Ion 95.00 (94.70 to 95.70): VV009978.D (-1410) (-)

Ion 97.00 (96.70 to 97.70): VV009978.D (-1410) (-)

Ion 132.00 (131.70 to 132.70): VV009978.D (-1410) (-)

Ion 130.00 (129.70 to 130.70): VV009978.D (-1410) (-)



#36

Methylcyclohexane

Concen: 24.903 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

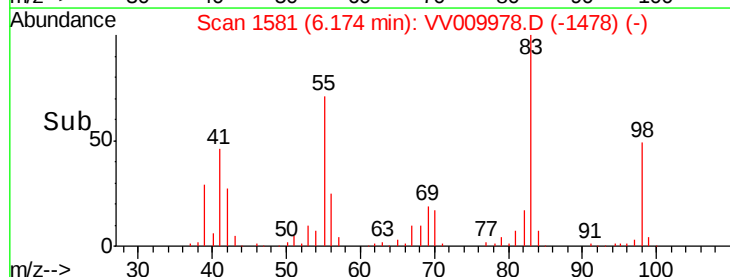
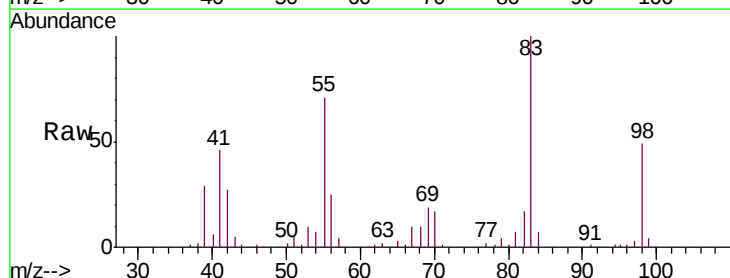
Tgt Ion: 83 Resp: 91804

Ion Ratio Lower Upper

83 100

55 73.2 57.3 85.9

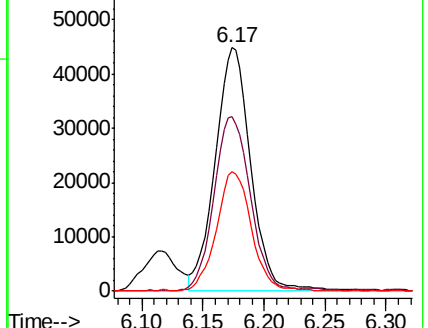
98 48.2 39.2 58.8

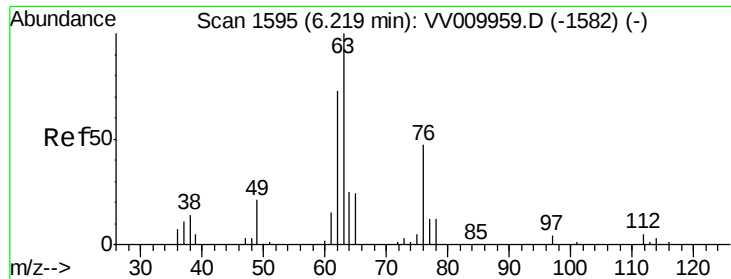


Abundance Ion 83.00 (82.70 to 83.70): VV009978.D (-1478) (-)

Ion 55.00 (54.70 to 55.70): VV009978.D (-1478) (-)

Ion 98.00 (97.70 to 98.70): VV009978.D (-1478) (-)





#40

1,2-Dichloropropane

Concen: 26.901 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

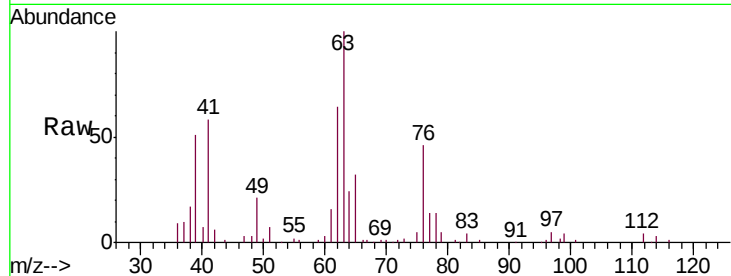
VSTD02570

Tgt Ion: 63 Resp: 59878

Ion Ratio Lower Upper

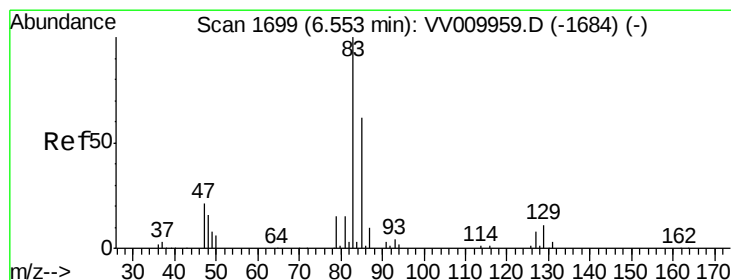
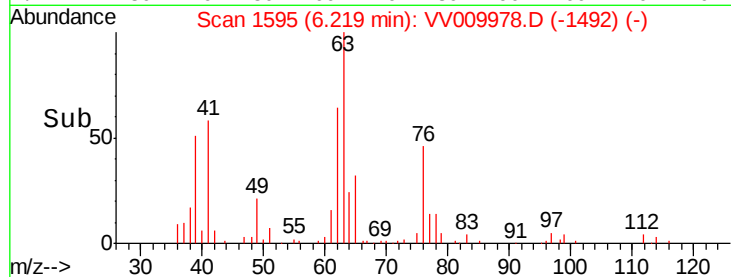
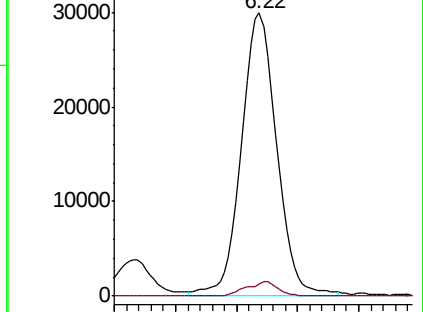
63 100

112 2.7 2.1 3.1



Abundance Ion 63.00 (62.70 to 63.70): VV009978.D (-1492) (-)

Ion 112.00 (111.70 to 112.70): VV009978.D (-1492) (-)



#41

Bromodichloromethane

Concen: 25.499 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

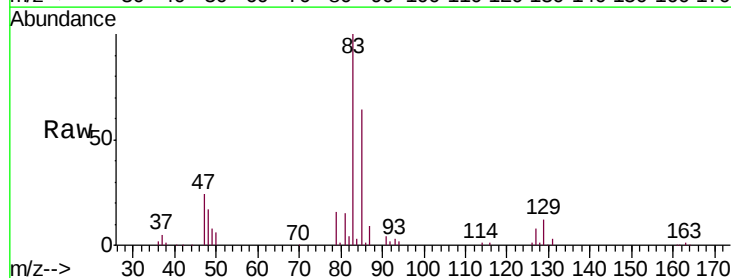
Tgt Ion: 83 Resp: 70585

Ion Ratio Lower Upper

83 100

85 64.0 45.6 84.8

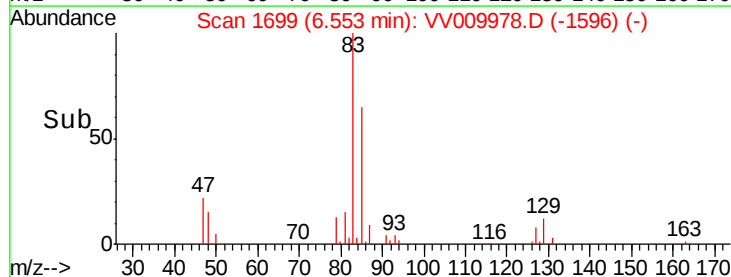
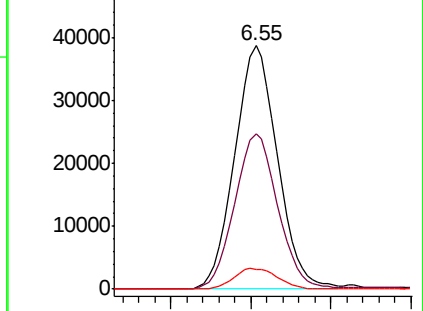
127 8.3 6.2 9.4

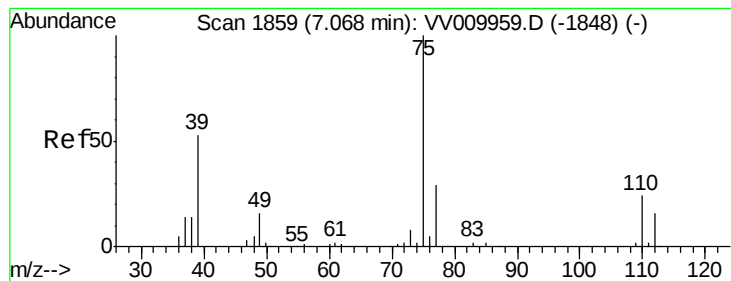


Abundance Ion 83.00 (82.70 to 83.70): VV009978.D (-1596) (-)

Ion 85.00 (84.70 to 85.70): VV009978.D (-1596) (-)

Ion 127.00 (126.70 to 127.70): VV009978.D (-1596) (-)



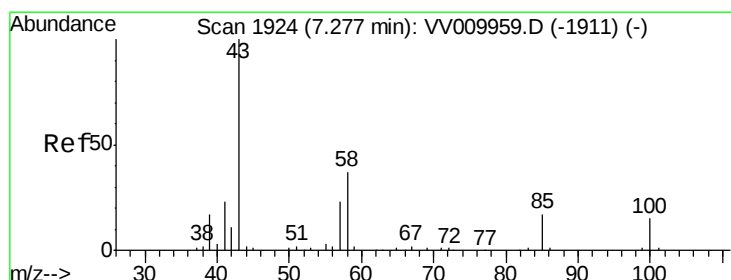
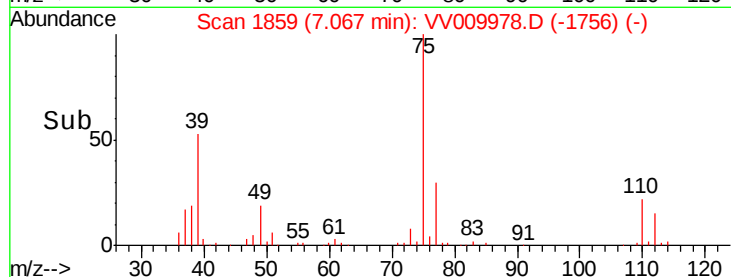
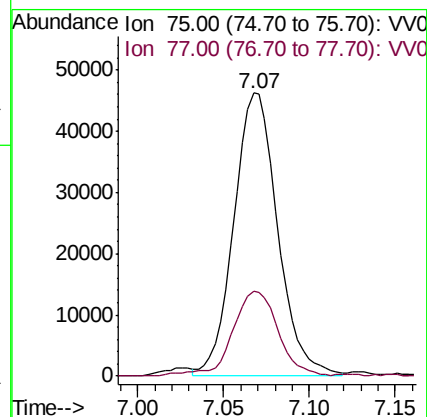
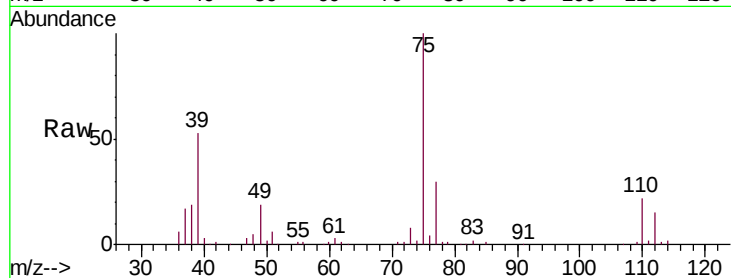


#42

cis-1,3-Dichloropropene
Concen: 25.125 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV009978.D
Acq: 28 Mar 2019 21:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

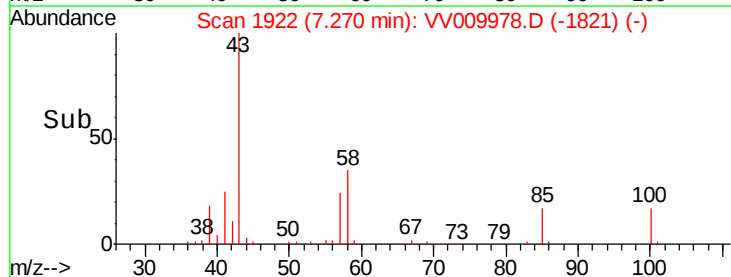
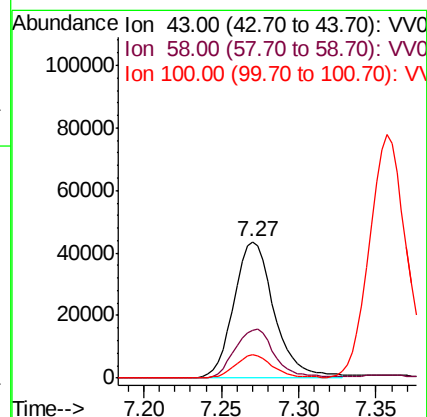
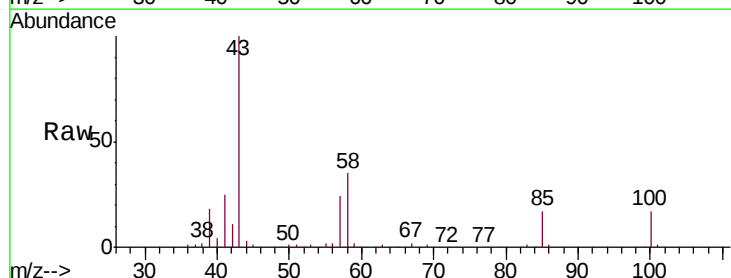
Tgt Ion: 75 Resp: 81537
Ion Ratio Lower Upper
75 100
77 30.1 21.8 40.6

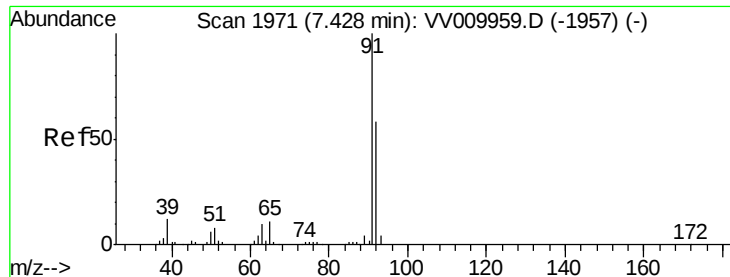


#43

4-Methyl-2-pentanone
Concen: 49.874 ug/L
RT: 7.27 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VV009978.D
Acq: 28 Mar 2019 21:02

Tgt Ion: 43 Resp: 79221
Ion Ratio Lower Upper
43 100
58 35.7 29.4 44.2
100 15.5 12.2 18.4





#44

Toluene

Concen: 25.096 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

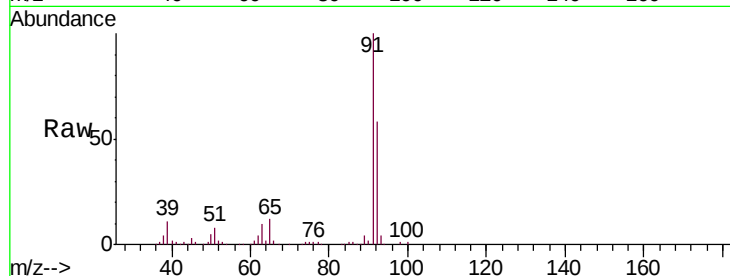
VSTD02570

Tgt Ion: 91 Resp: 246440

Ion Ratio Lower Upper

91 100

92 58.1 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV009959.D (-1957) (-)

Ion 92.00 (91.70 to 92.70): VV009959.D (-1957) (-)

7.43

150000

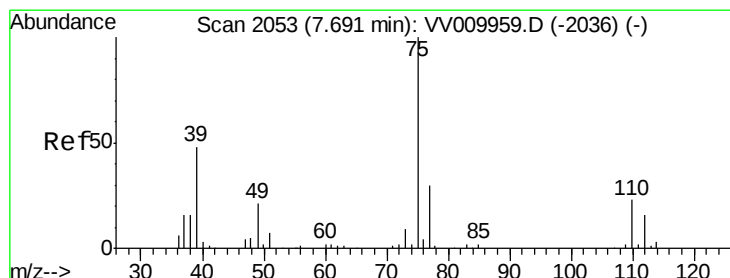
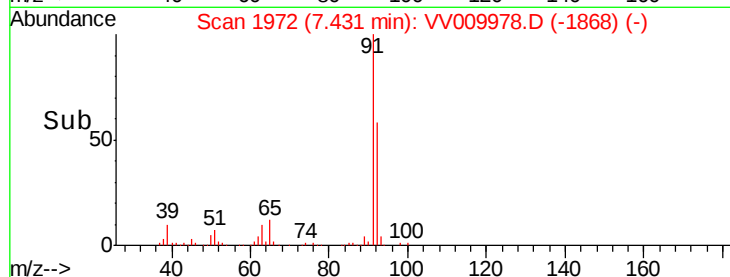
100000

50000

0

7.40 7.50

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.904 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009978.D

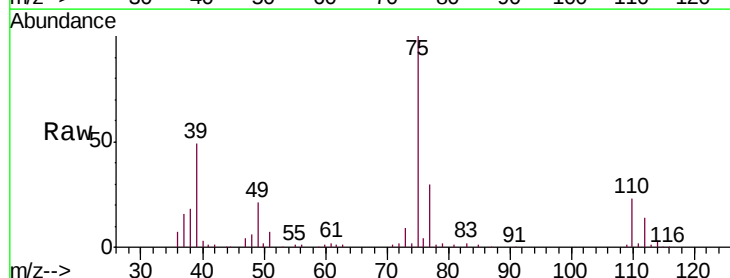
Acq: 28 Mar 2019 21:02

Tgt Ion: 75 Resp: 66157

Ion Ratio Lower Upper

75 100

77 29.8 20.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV009959.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV009959.D (-2036) (-)

7.69

40000

30000

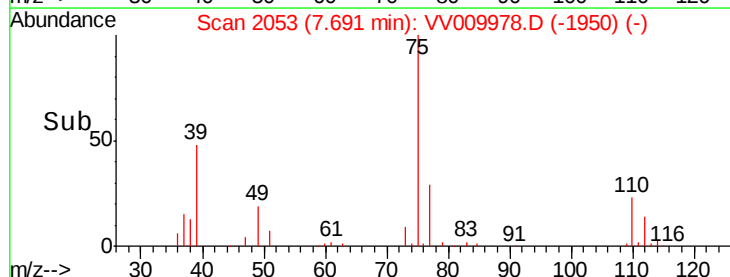
20000

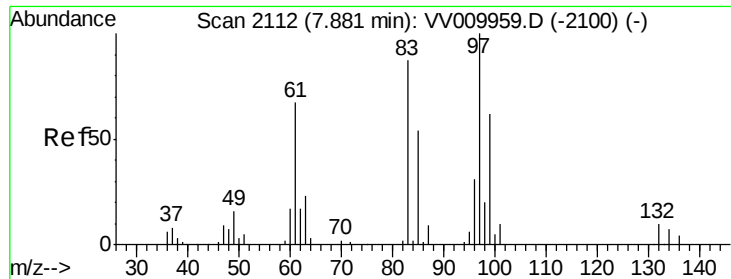
10000

0

7.60 7.65 7.70 7.75

Time-->

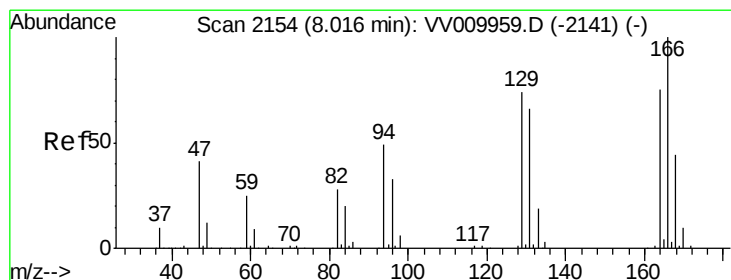
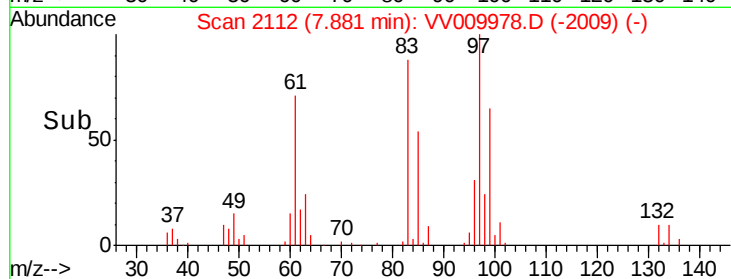
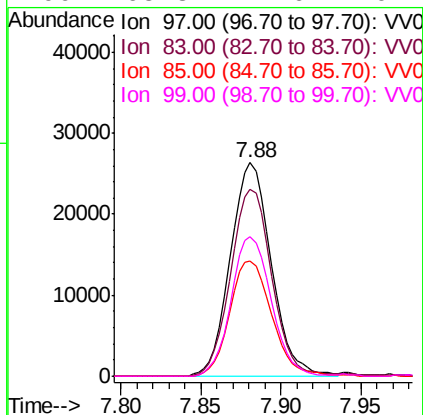
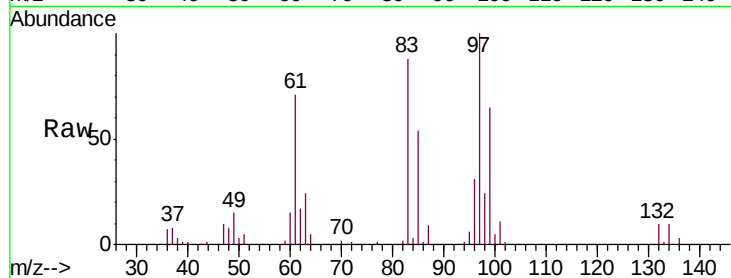




#46
 1,1,2-Trichloroethane
 Concen: 24.965 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV009978.D
 Acq: 28 Mar 2019 21:02

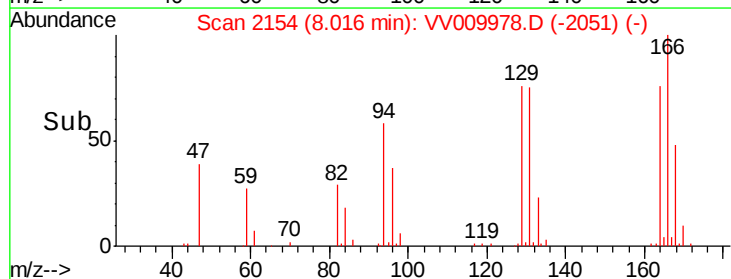
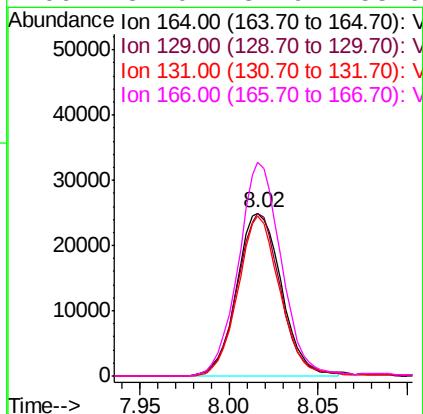
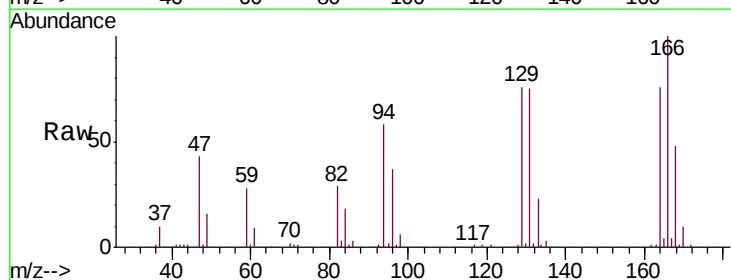
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

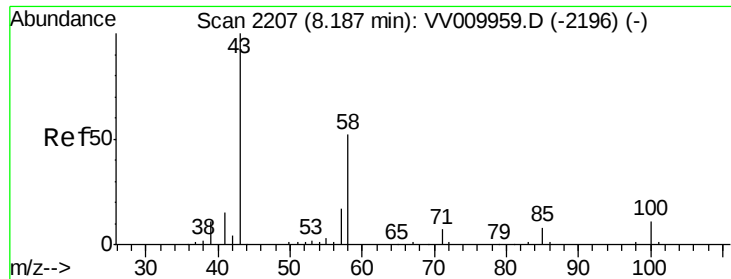
Tgt Ion:	97	Resp:	45958
Ion	Ratio	Lower	Upper
97	100		
83	87.6	59.6	110.8
85	53.9	39.2	72.8
99	65.3	42.6	79.2



#47
 Tetrachloroethene
 Concen: 23.652 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV009978.D
 Acq: 28 Mar 2019 21:02

Tgt Ion:	164	Resp:	43853
Ion	Ratio	Lower	Upper
164	100		
129	100.0	64.9	120.5
131	98.2	62.0	115.2
166	131.0	82.9	153.9

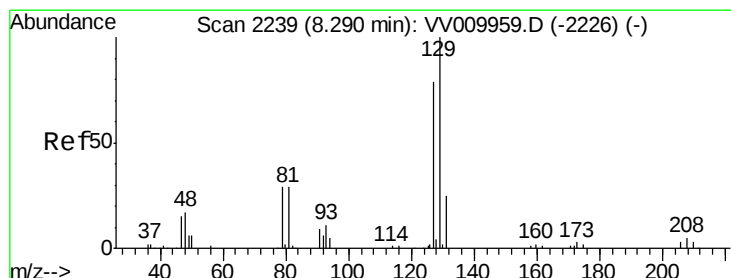
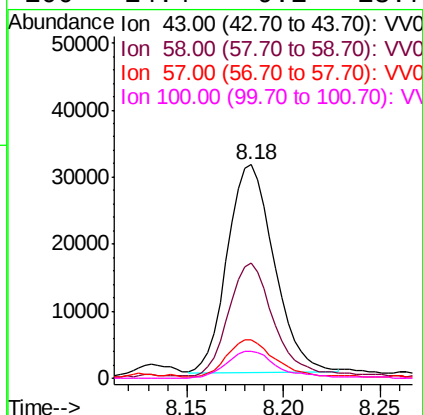
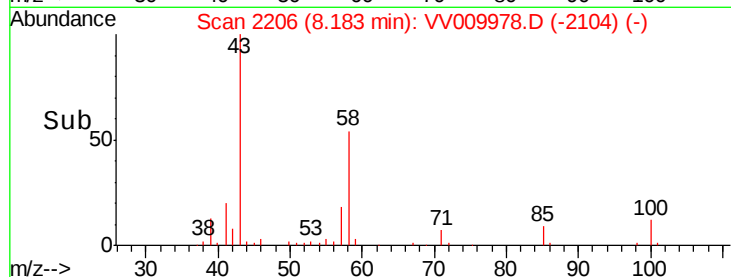
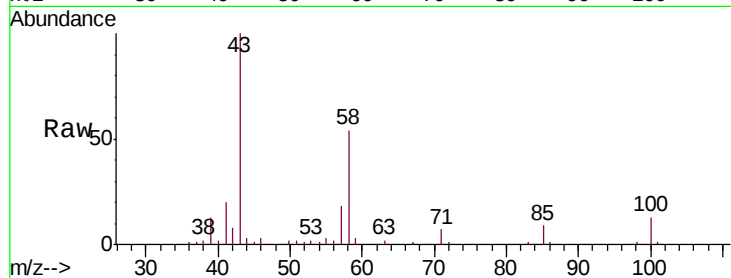




#49
2-Hexanone
Concen: 48.812 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV009978.D
Acq: 28 Mar 2019 21:02

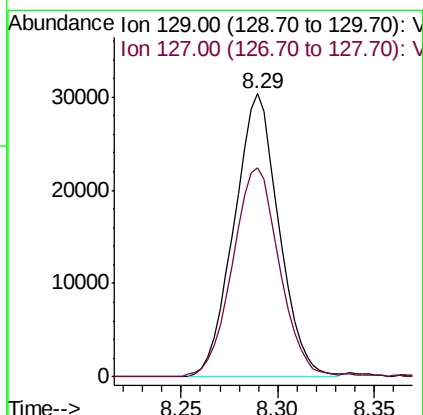
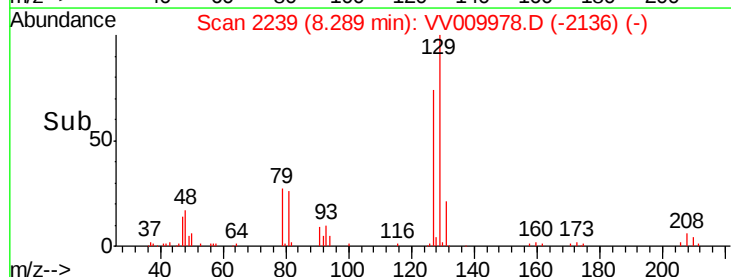
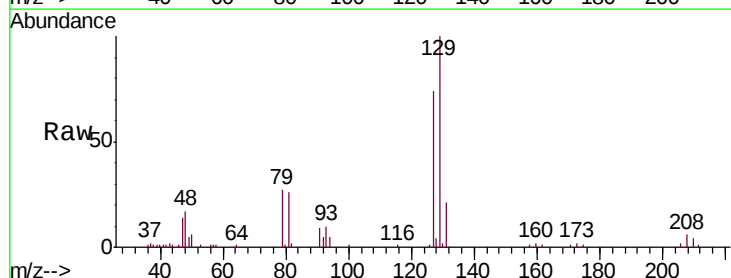
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

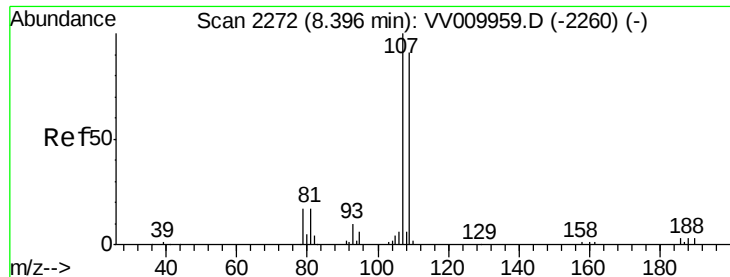
Tgt Ion: 43 Resp: 52401
Ion Ratio Lower Upper
43 100
58 53.5 42.0 63.0
57 19.7 12.9 19.3#
100 14.4 9.1 13.7#



#50
Dibromochloromethane
Concen: 25.694 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009978.D
Acq: 28 Mar 2019 21:02

Tgt Ion: 129 Resp: 49045
Ion Ratio Lower Upper
129 100
127 74.1 57.9 107.5





#51

1,2-Dibromoethane

Concen: 25.188 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

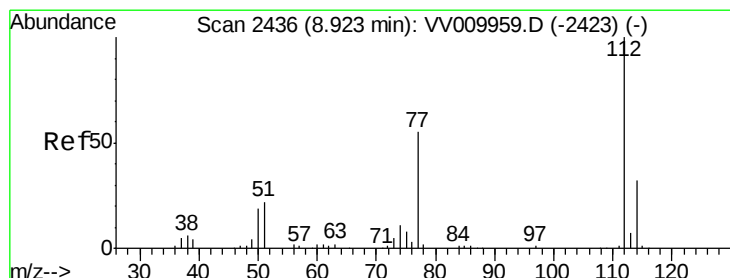
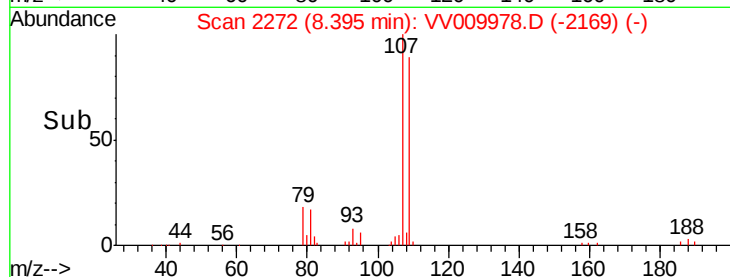
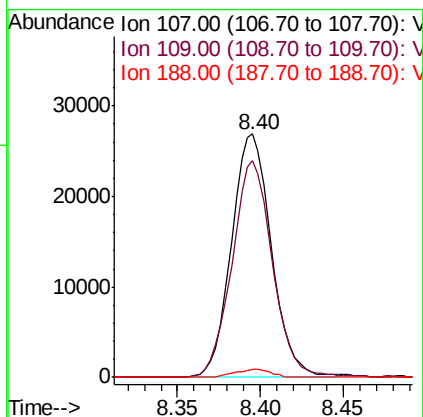
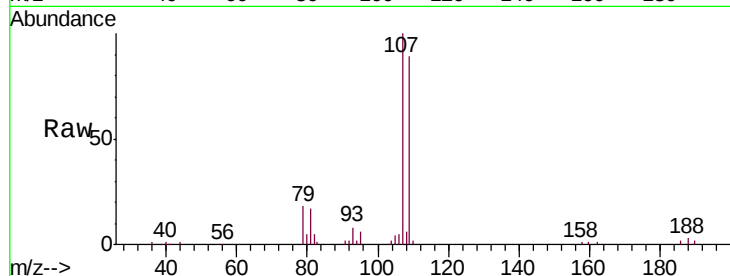
Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

Tgt Ion:	107	Resp:	45023
Ion	Ratio	Lower	Upper
107	100		
109	89.1	61.8	114.8
188	3.2	3.5	5.3#



#52

Chlorobenzene

Concen: 24.334 ug/L

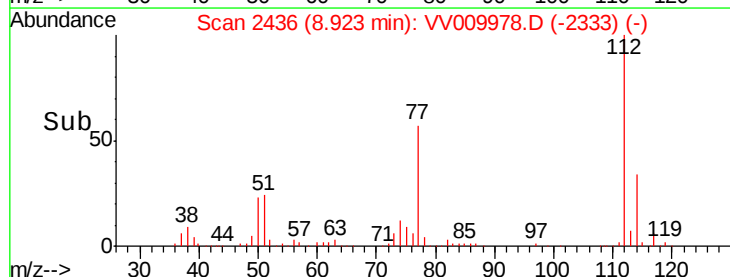
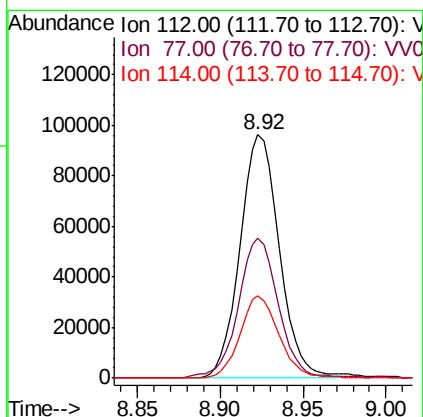
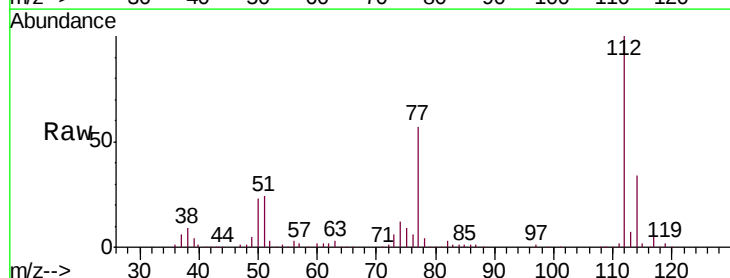
RT: 8.92 min Scan# 2436

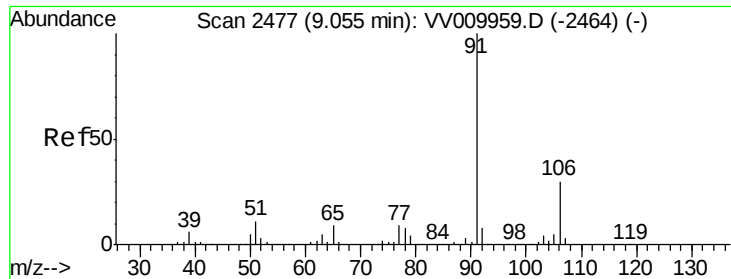
Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Tgt Ion:	112	Resp:	159077
Ion	Ratio	Lower	Upper
112	100		
77	57.3	46.8	70.2
114	33.7	22.3	41.5

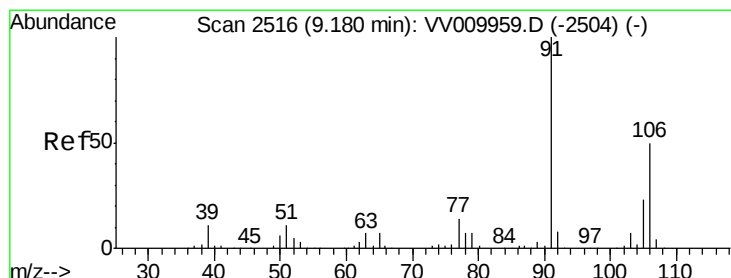
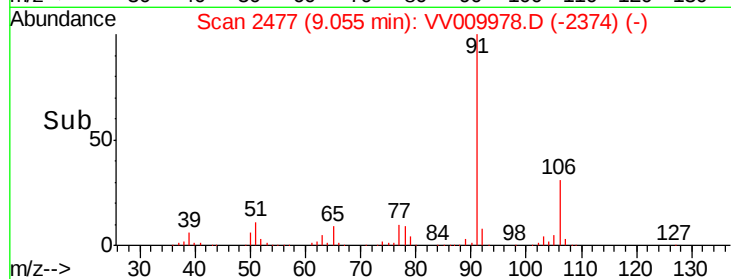
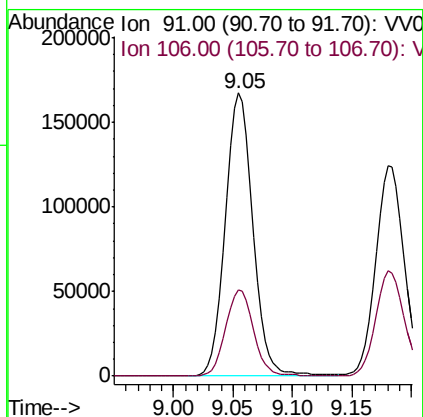
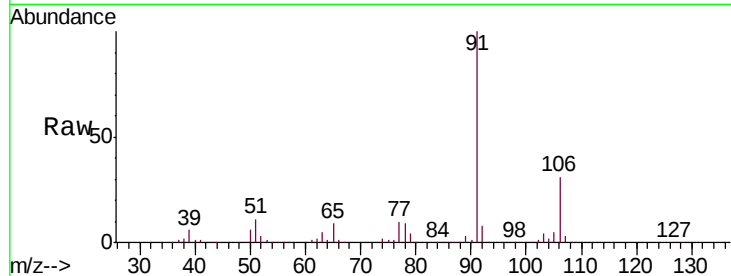




#53
Ethylbenzene
Concen: 24.938 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV009978.D
Acq: 28 Mar 2019 21:02

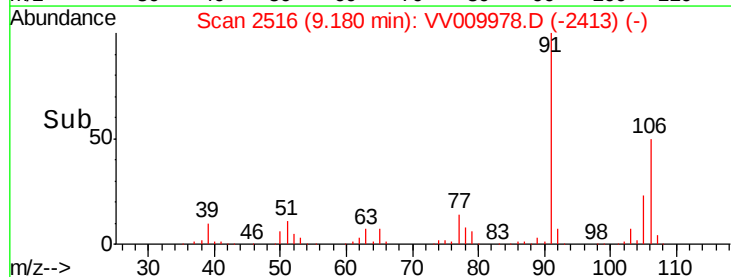
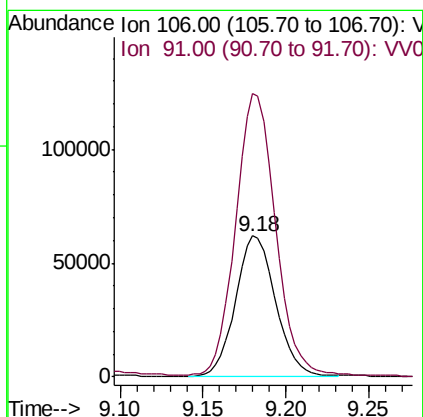
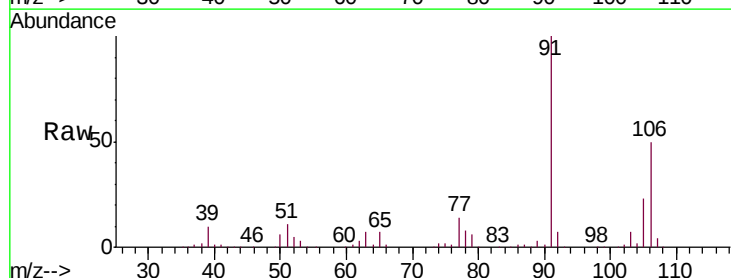
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

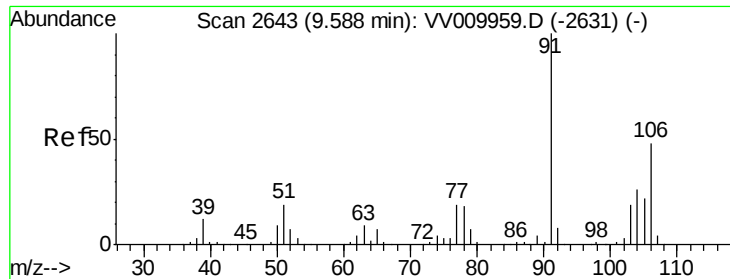
Tgt Ion: 91 Resp: 270138
Ion Ratio Lower Upper
91 100
106 30.6 22.3 41.3



#54
m,p-Xylene
Concen: 24.280 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV009978.D
Acq: 28 Mar 2019 21:02

Tgt Ion: 106 Resp: 103300
Ion Ratio Lower Upper
106 100
91 200.7 130.0 241.4





#55

o-xylene

Concen: 25.788 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

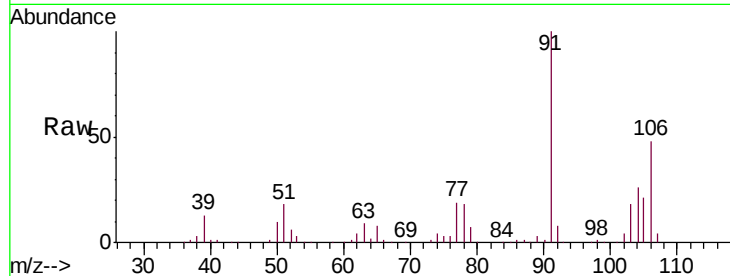
VSTD02570

Tgt Ion:106 Resp: 106495

Ion Ratio Lower Upper

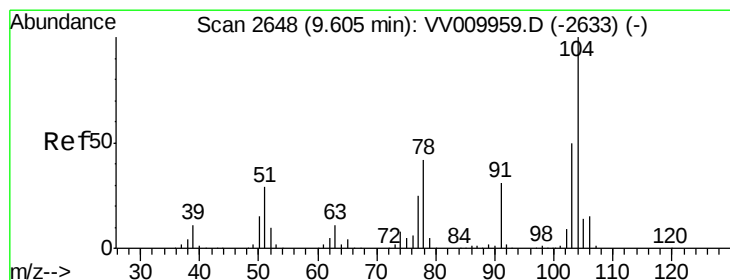
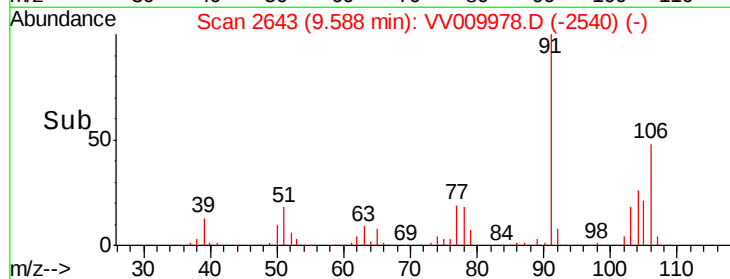
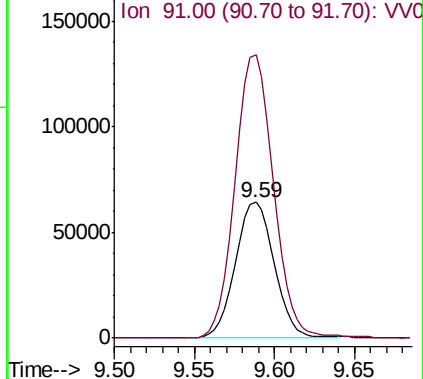
106 100

91 208.5 144.3 268.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 24.959 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009978.D

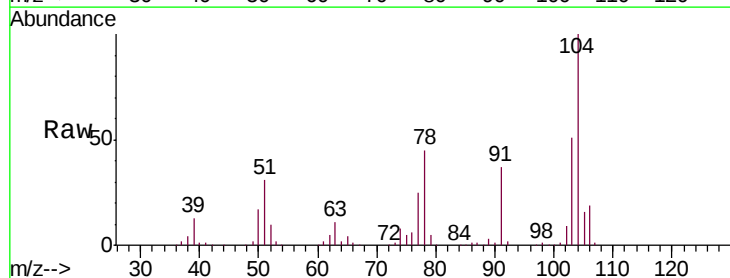
Acq: 28 Mar 2019 21:02

Tgt Ion:104 Resp: 177041

Ion Ratio Lower Upper

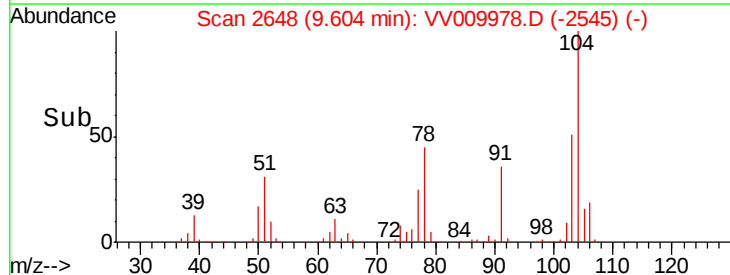
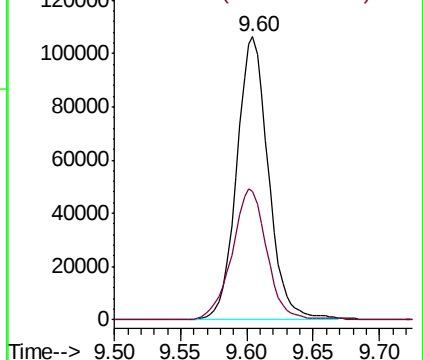
104 100

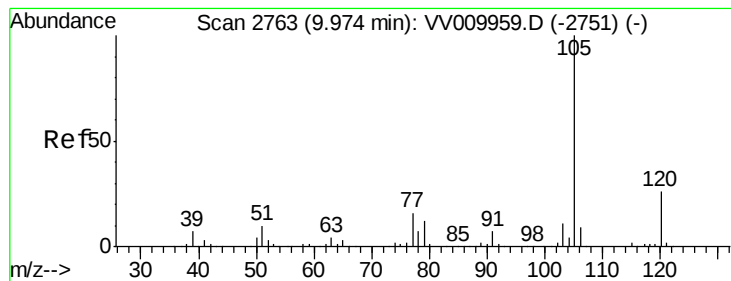
78 45.2 29.3 54.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 25.047 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

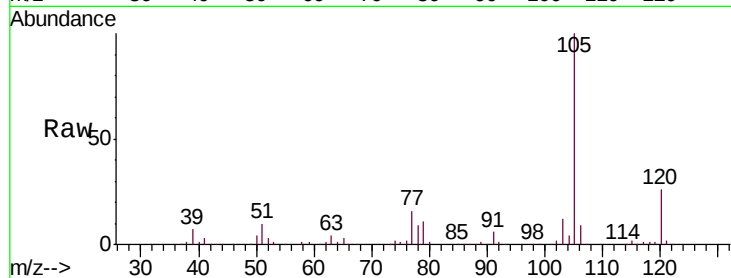
Tgt Ion: 105 Resp: 268336

Ion Ratio Lower Upper

105 100

120 25.5 20.8 31.2

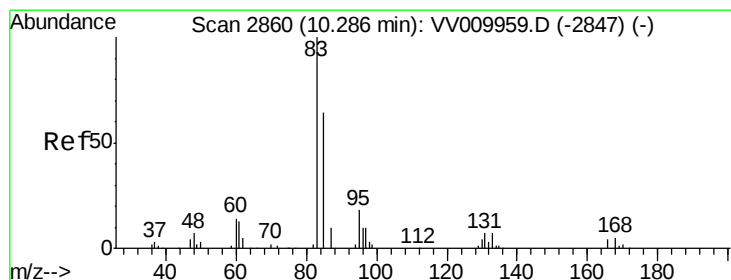
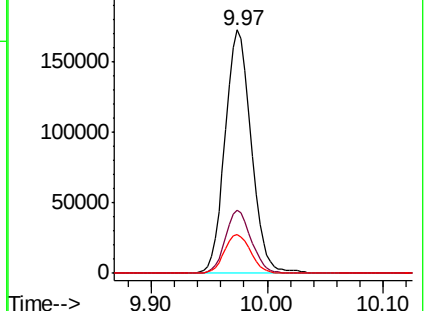
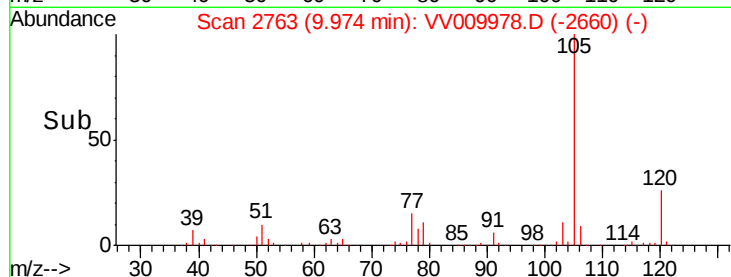
77 16.0 13.0 19.4



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: 25.374 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

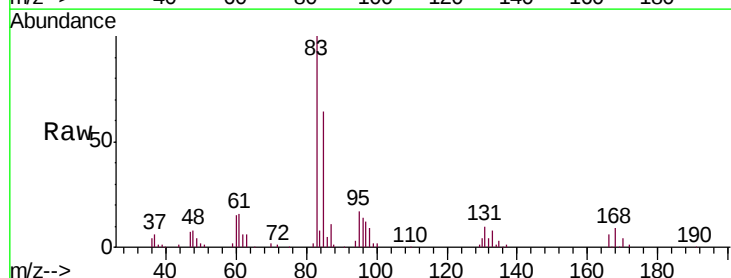
Tgt Ion: 83 Resp: 62962

Ion Ratio Lower Upper

83 100

85 64.0 45.8 85.0

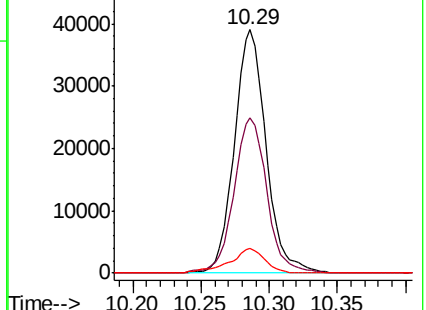
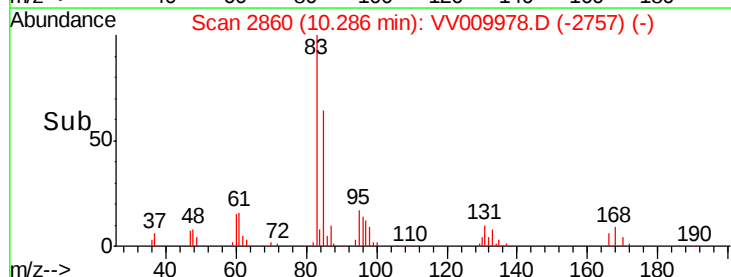
131 10.0 6.2 9.4#

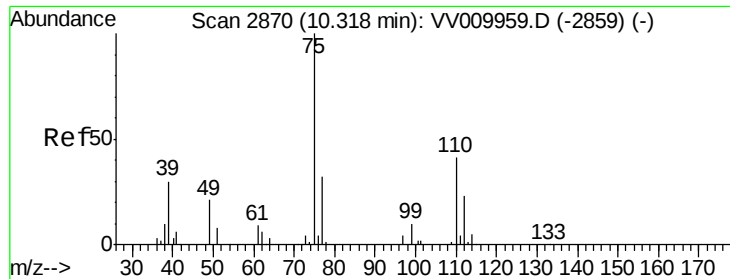


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 24.681 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

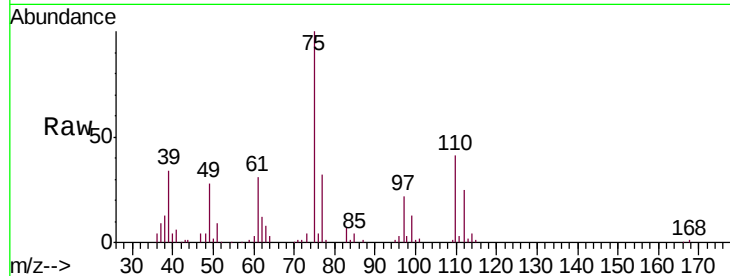
VSTD02570

Tgt Ion: 75 Resp: 44201

Ion Ratio Lower Upper

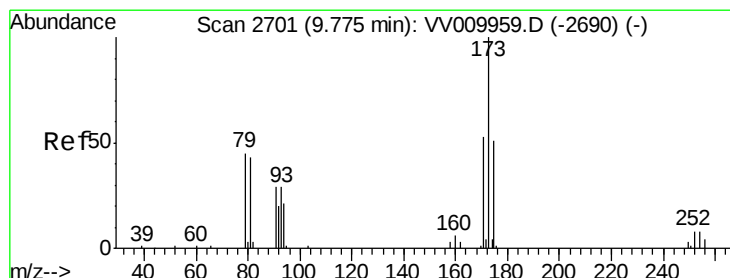
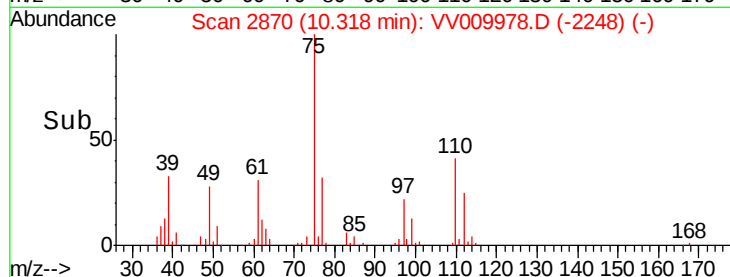
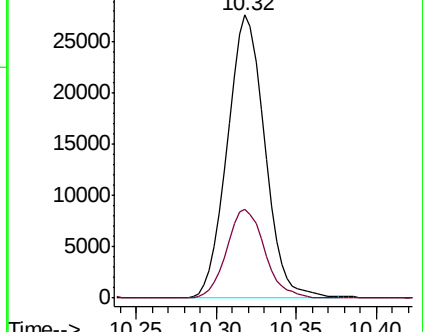
75 100

77 31.9 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV009959.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009959.D (-2859) (-)



#62

Bromoform

Concen: 24.259 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

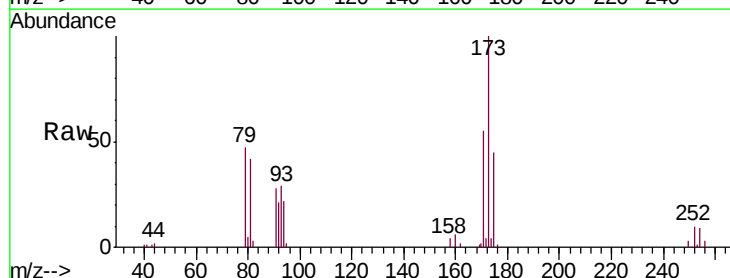
Tgt Ion: 173 Resp: 24478

Ion Ratio Lower Upper

173 100

175 44.9 37.8 56.8

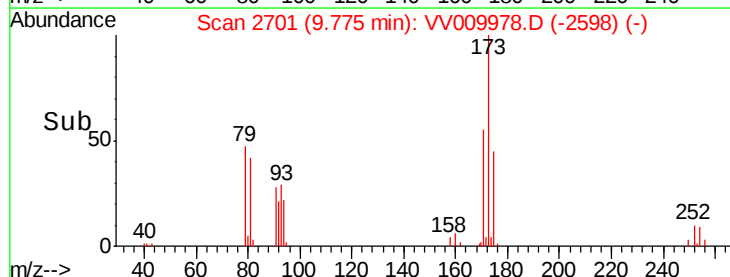
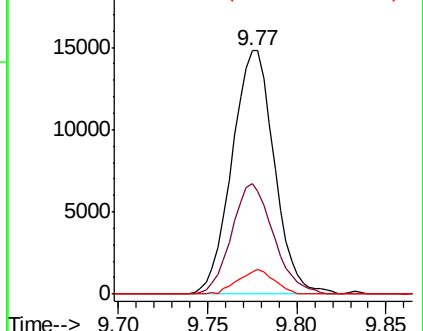
254 8.6 6.6 9.8

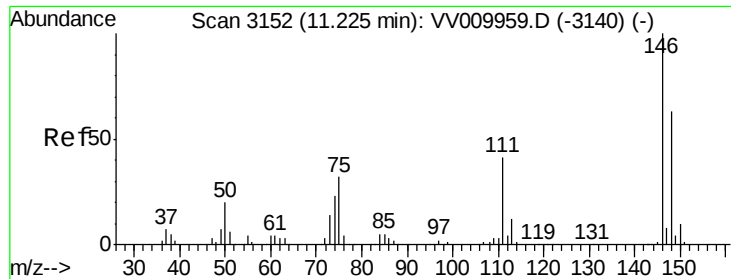


Abundance Ion 173.00 (172.70 to 173.70): VV009959.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV009959.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009959.D (-2690) (-)

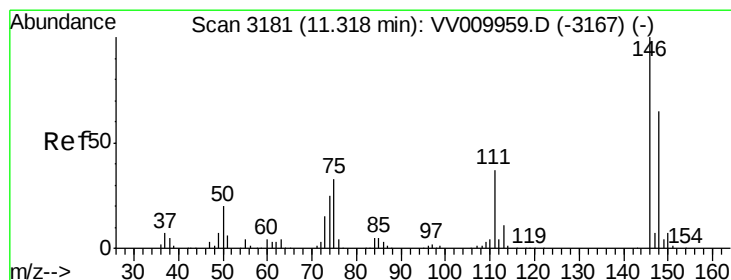
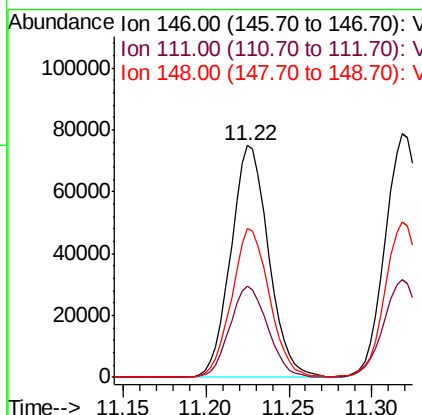
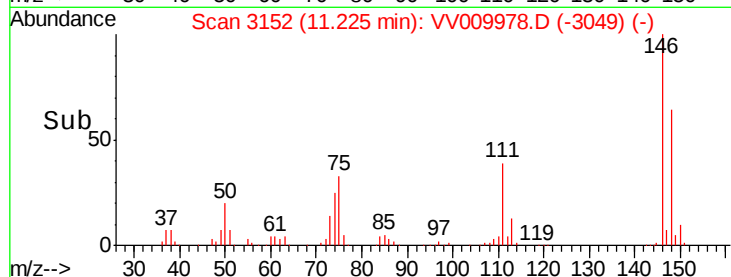
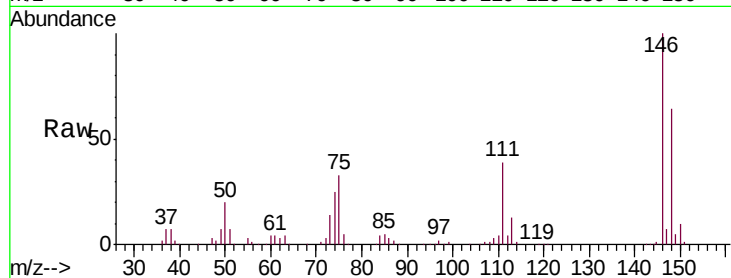




#63
 1,3-Dichlorobenzene
 Concen: 24.496 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV009978.D
 Acq: 28 Mar 2019 21:02

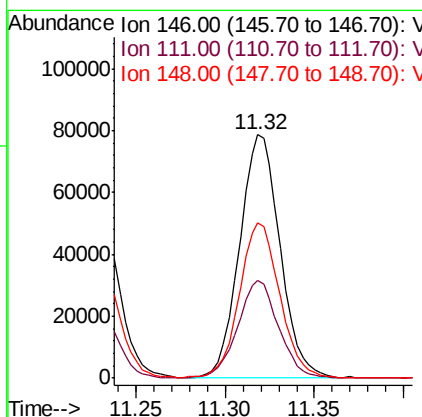
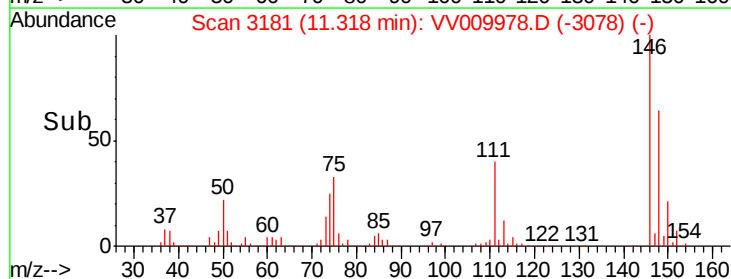
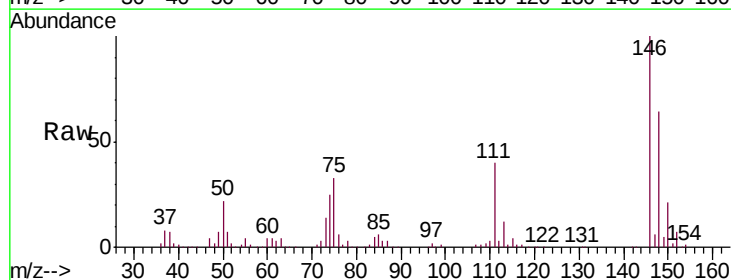
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

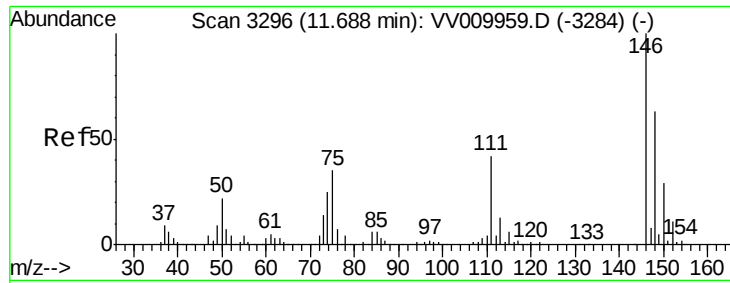
Tgt Ion:146 Resp: 118853
 Ion Ratio Lower Upper
 146 100
 111 39.3 28.5 52.9
 148 64.2 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 23.676 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009978.D
 Acq: 28 Mar 2019 21:02

Tgt Ion:146 Resp: 124846
 Ion Ratio Lower Upper
 146 100
 111 40.2 25.4 47.2
 148 63.9 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 25.167 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

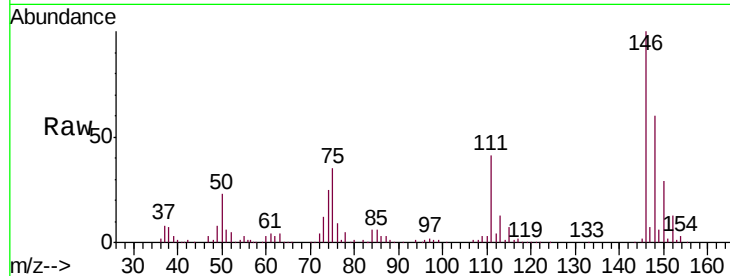
Tgt Ion:146 Resp: 120512

Ion Ratio Lower Upper

146 100

111 40.9 32.7 49.1

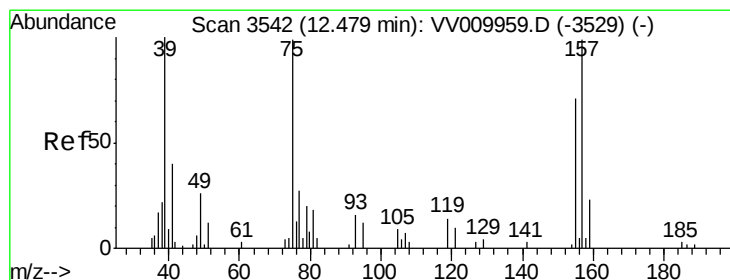
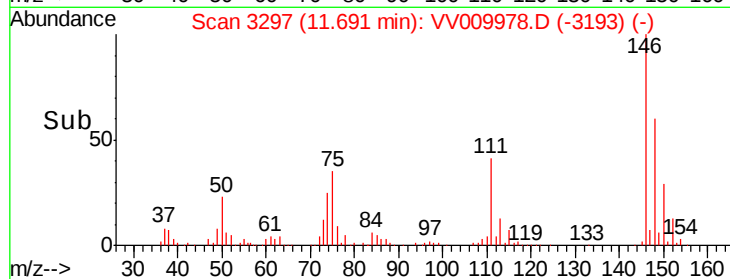
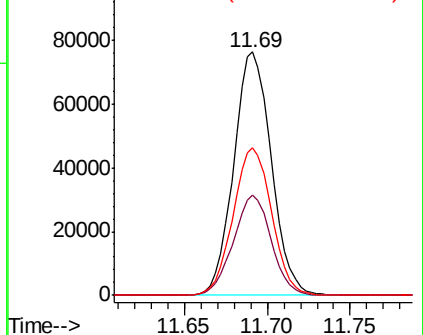
148 60.4 50.5 75.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 23.499 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

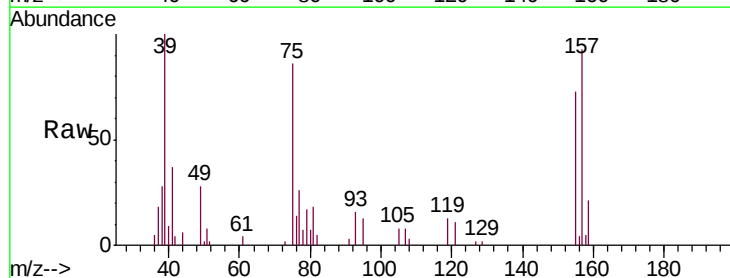
Tgt Ion: 75 Resp: 7033

Ion Ratio Lower Upper

75 100

157 108.2 89.2 133.8

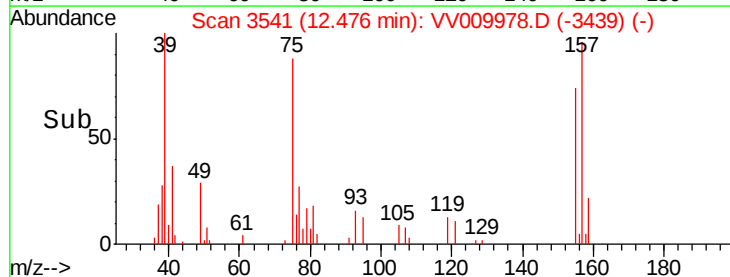
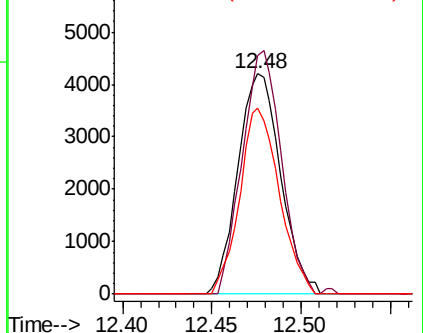
155 84.3 68.6 102.8

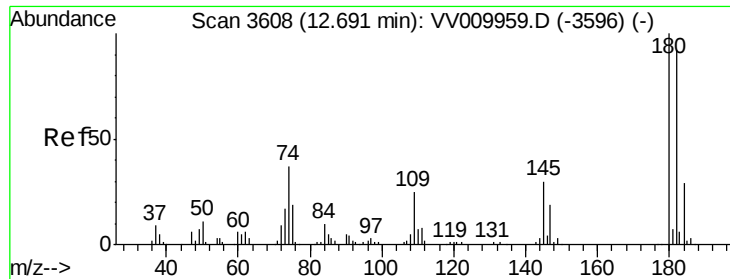


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

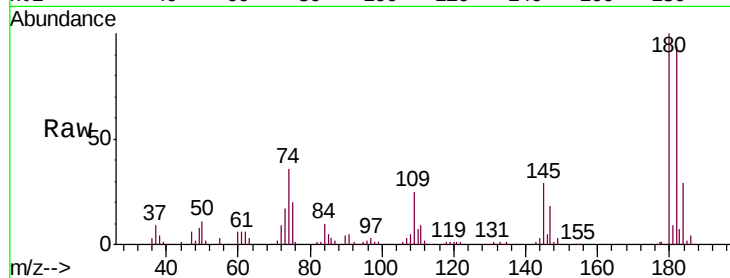




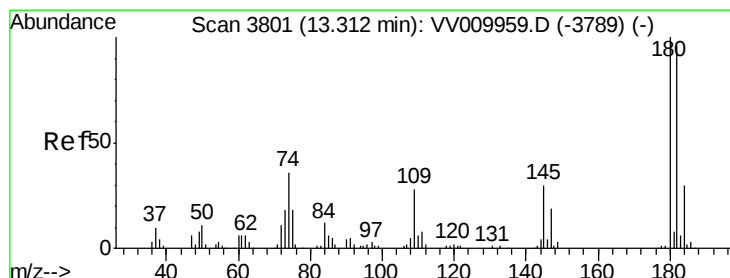
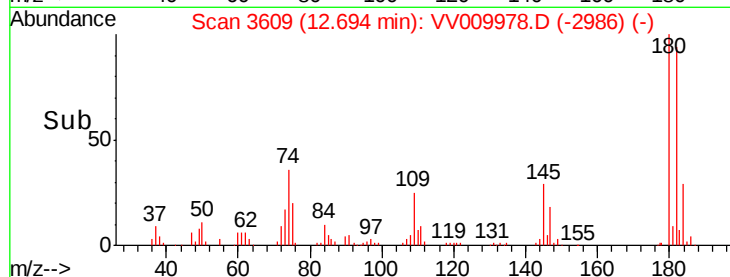
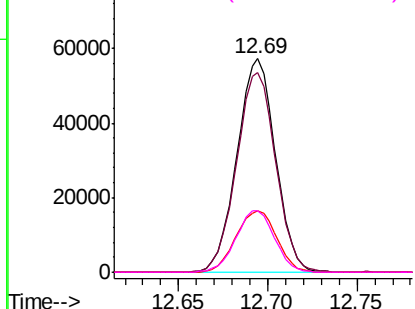
#67
 1,3,5-Trichlorobenzene
 Concen: 25.076 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009978.D
 Acq: 28 Mar 2019 21:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Tgt Ion:180 Resp: 86408
 Ion Ratio Lower Upper
 180 100
 182 95.2 78.4 117.6
 184 30.4 24.3 36.5
 145 29.1 24.9 37.3

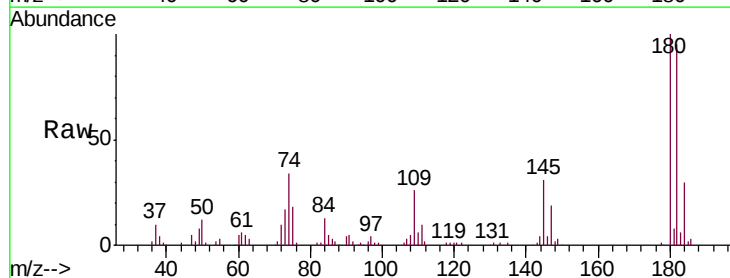


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

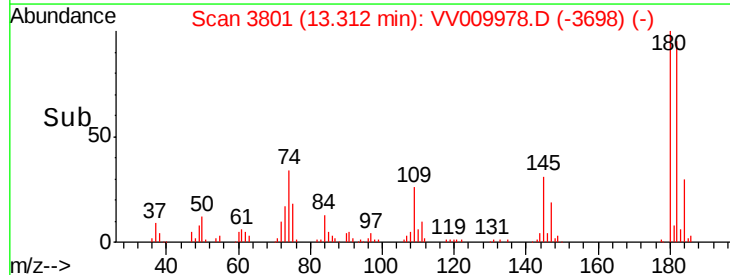
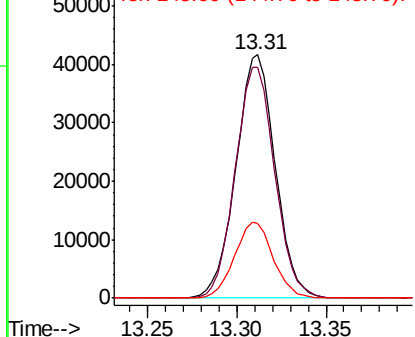


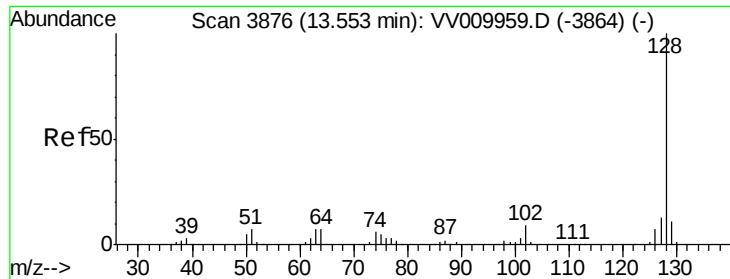
#68
 1,2,4-trichlorobenzene
 Concen: 25.244 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009978.D
 Acq: 28 Mar 2019 21:02

Tgt Ion:180 Resp: 64165
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.5 113.3
 145 30.6 23.2 34.8



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





#69

Naphthalene

Concen: 22.720 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

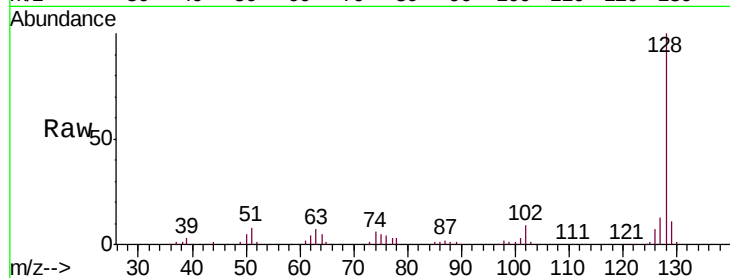
Tgt Ion:128 Resp: 95996

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

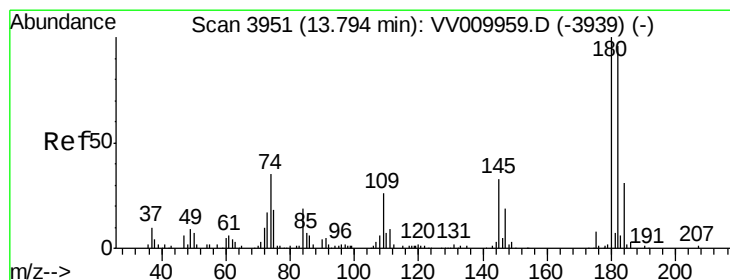
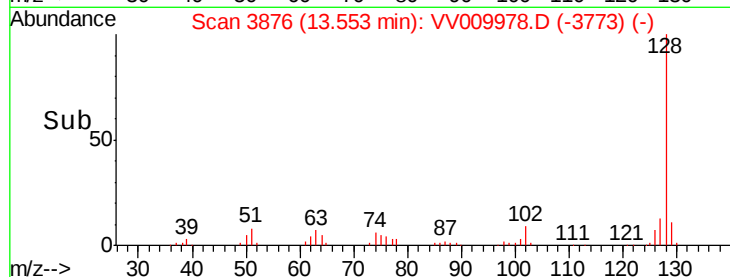
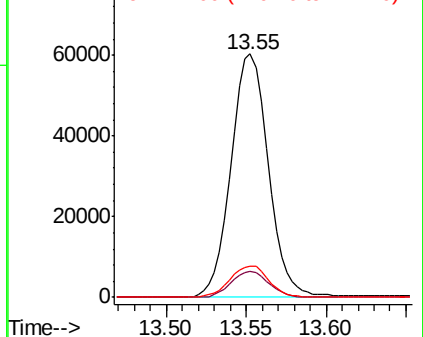
127 13.4 11.4 17.2



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: 24.360 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009978.D

Acq: 28 Mar 2019 21:02

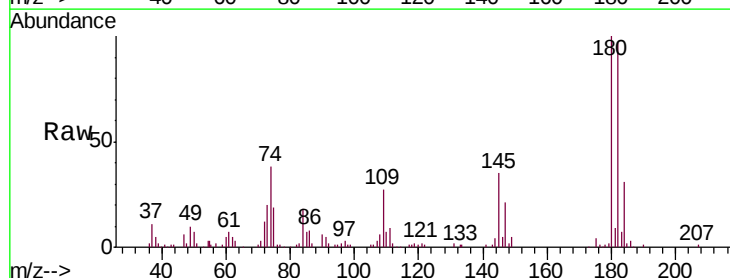
Tgt Ion:180 Resp: 58875

Ion Ratio Lower Upper

180 100

182 98.5 77.1 115.7

145 33.5 26.3 39.5



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

