

Data File : VV009994.D
Acq On : 29 Mar 2019 04:52
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

Quant Time: Mar 29 05:14:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 29 04:20:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	189458	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	194111	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	86148	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	71808	18.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.72%
7) Chloroethane-d5	1.55	69	86950	20.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.76%
10) 1,1-Dichloroethene-d2	2.12	63	197307	18.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.04%
20) 2-Butanone-d5	3.92	46	40212	56.13	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	112.26%
24) Chloroform-d	4.39	84	135459	28.06	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	112.24%
26) 1,2-Dichloroethane-d4	5.07	65	82656	28.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.80%
29) Benzene-d6	5.09	84	257967	25.31	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.24%
33) 1,2-Dichloropropane-d6	6.12	67	82230	27.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.28%
37) Toluene-d8	7.36	98	238735	24.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.96%
38) trans-1,3-Dichloropropene-	7.66	79	30972	25.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.56%
39) 2-Hexanone-d5	8.13	63	28411	51.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	102.08%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	72264	24.47	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.88%
61) 1,2-Dichlorobenzene-d4	11.67	152	81854	24.96	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.13	85	51929	17.704 ug/L	98
3) Chloromethane	1.24	50	60493	17.845 ug/L	100
5) Vinyl chloride	1.32	62	82364	18.687 ug/L	96
6) Bromomethane	1.51	94	82429	18.750 ug/L	99
8) Chloroethane	1.57	64	71341	18.789 ug/L	99
9) Trichlorofluoromethane	1.75	101	183851	19.559 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.12	101	87738	16.059 ug/L	98
12) 1,1-Dichloroethene	2.13	96	78664	16.973 ug/L	87
13) Acetone	2.18	43	27268	25.139 ug/L	92
14) Carbon disulfide	2.31	76	122450	19.528 ug/L	97
15) Methyl Acetate	2.45	43	29829	23.477 ug/L	97
16) Methylene chloride	2.53	84	71595	22.947 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	158229	26.165 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	56193	22.636 ug/L	94
19) 1,1-Dichloroethane	3.22	63	115572	25.457 ug/L	93
21) 2-Butanone	4.01	43	40464	41.886 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	69880	25.494 ug/L	97

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Quant Title : VOC Analysis
QLast Update : Fri Mar 29 04:20:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	33341	26.343	ug/L	90
25) Chloroform	4.42	83	132352	26.367	ug/L	100
27) 1,2-Dichloroethane	5.17	62	94654	26.615	ug/L	99
30) Cyclohexane	4.72	56	72922	18.632	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	91446	23.540	ug/L	100
32) Carbon tetrachloride	4.87	117	74199	21.975	ug/L	95
34) Benzene	5.14	78	257626	24.169	ug/L	100
35) Trichloroethene	5.96	95	64176	22.825	ug/L	99
36) Methylcyclohexane	6.17	83	81757	18.533	ug/L	98
40) 1,2-Dichloropropane	6.22	63	69479	26.085	ug/L #	92
41) Bromodichloromethane	6.55	83	88202	26.627	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	91976	23.685	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	92538	48.685	ug/L	99
44) Toluene	7.43	91	275605	23.454	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	79944	25.148	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	54776	24.865	ug/L	94
47) Tetrachloroethene	8.02	164	45474	20.496	ug/L	93
49) 2-Hexanone	8.18	43	57768	44.968	ug/L	95
50) Dibromochloromethane	8.29	129	57820	25.313	ug/L	98
51) 1,2-Dibromoethane	8.40	107	53104	24.827	ug/L	92
52) Chlorobenzene	8.92	112	184043	23.526	ug/L	98
53) Ethylbenzene	9.05	91	290958	22.446	ug/L	97
54) m,p-Xylene	9.18	106	109980	21.602	ug/L	85
55) o-xylene	9.59	106	111902	22.644	ug/L	98
56) Styrene	9.60	104	196551	23.156	ug/L	99
57) Isopropylbenzene	9.97	105	267849	20.893	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	70505	23.744	ug/L #	99
59) 1,2,3-Trichloropropane	10.32	75	49663	23.174	ug/L	99
62) Bromoform	9.77	173	28819	26.008	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	124986	23.457	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	130204	22.485	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	124336	23.644	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	7946	24.176	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	82891	21.905	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	59834	21.435	ug/L	97
69) Naphthalene	13.55	128	101139	21.797	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	58482	22.034	ug/L	100

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

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MSVOA_V
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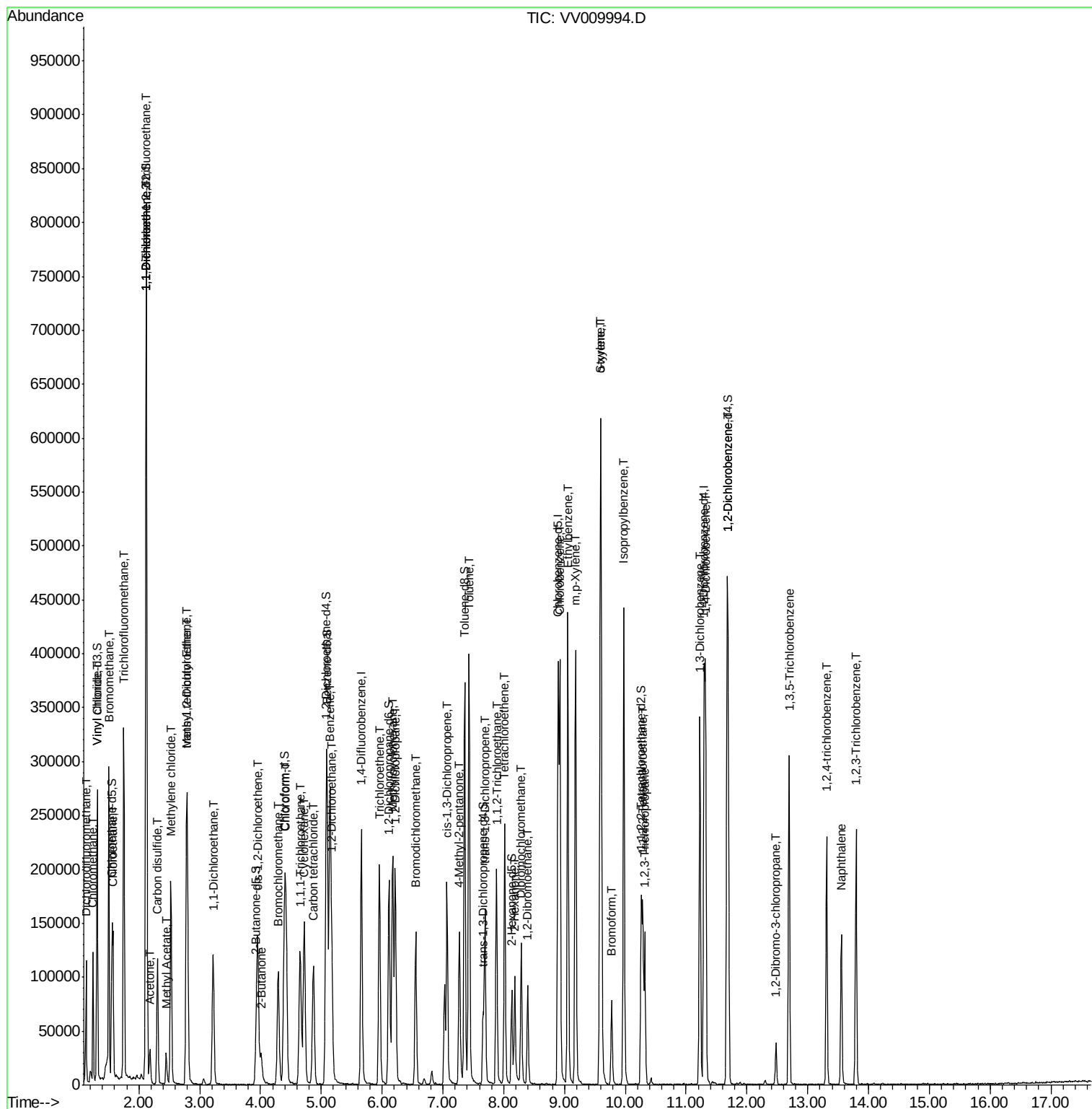
Quant Time: Mar 29 05:14:18 2019

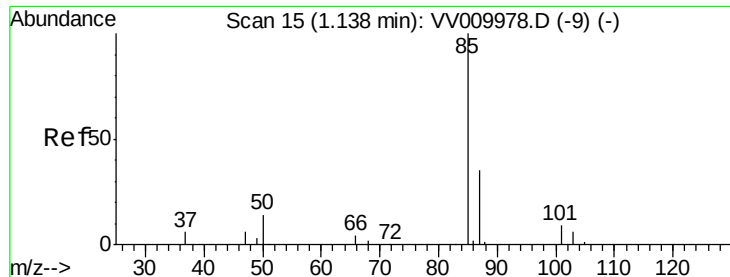
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM032619S.M

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#2

Dichlorodifluoromethane

Concen: 17.704 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.01 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

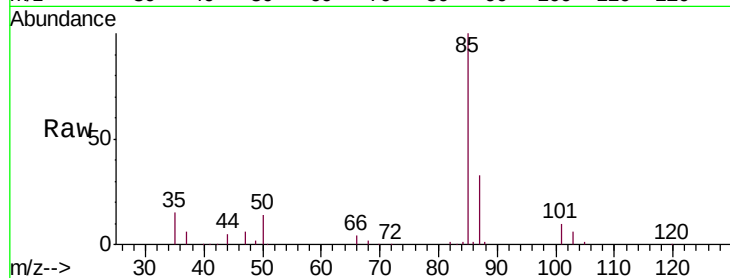
VSTD02571

Tgt Ion: 85 Resp: 51929

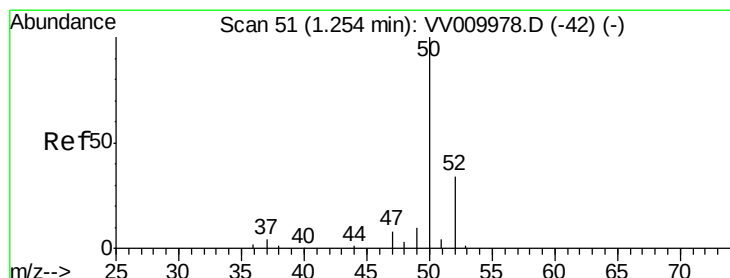
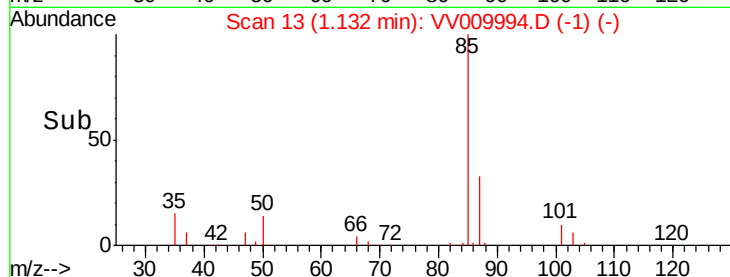
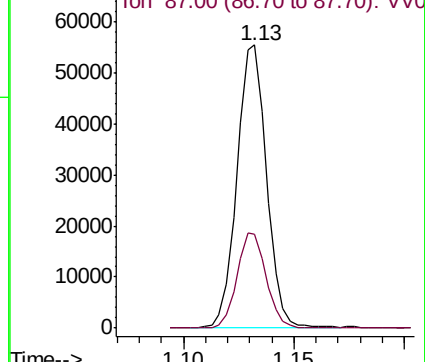
Ion Ratio Lower Upper

85 100

87 32.9 22.2 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV009994.D (-1) (-)



#3

Chloromethane

Concen: 17.845 ug/L

RT: 1.24 min Scan# 48

Delta R.T. -0.01 min

Lab File: VV009994.D

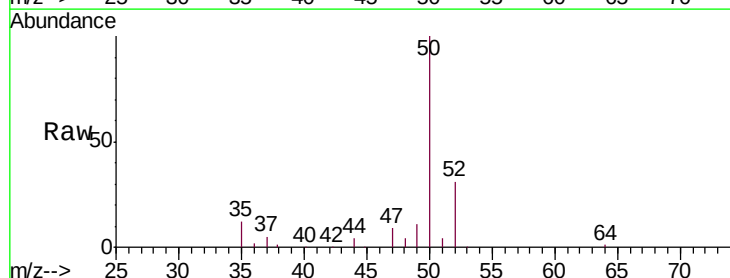
Acq: 29 Mar 2019 04:52

Tgt Ion: 50 Resp: 60493

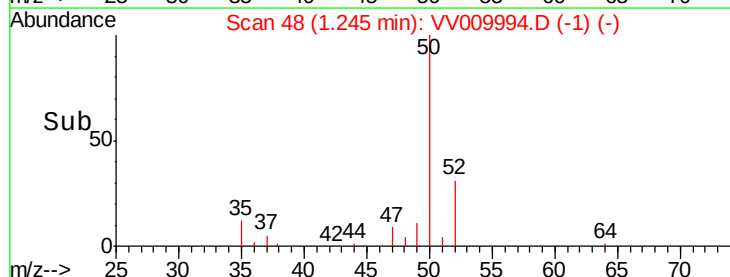
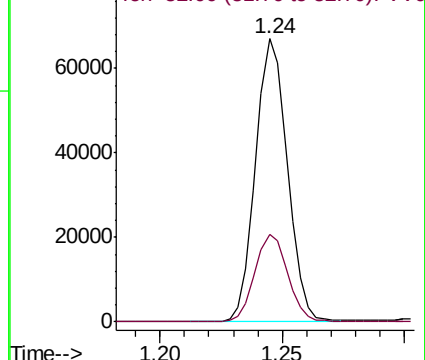
Ion Ratio Lower Upper

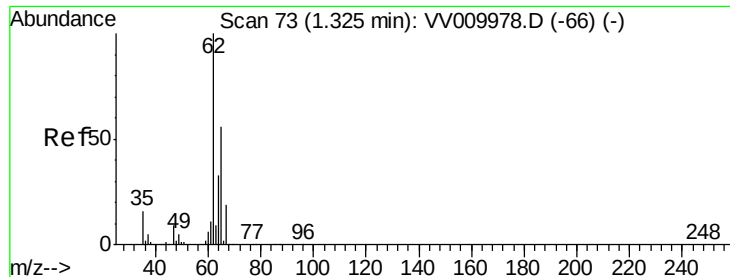
50 100

52 31.0 21.8 40.6



Abundance Ion 50.00 (49.70 to 50.70): VV009994.D (-1) (-)





#5

Vinyl chloride

Concen: 18.687 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

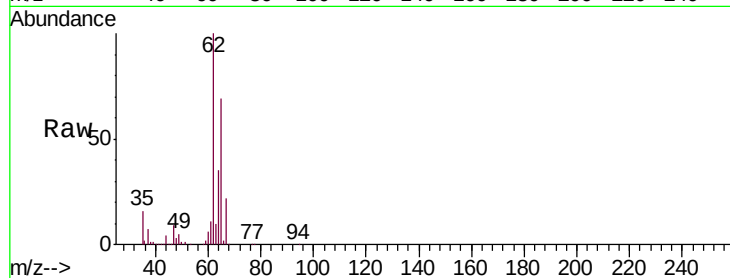
VSTD02571

Tgt Ion: 62 Resp: 82364

Ion Ratio Lower Upper

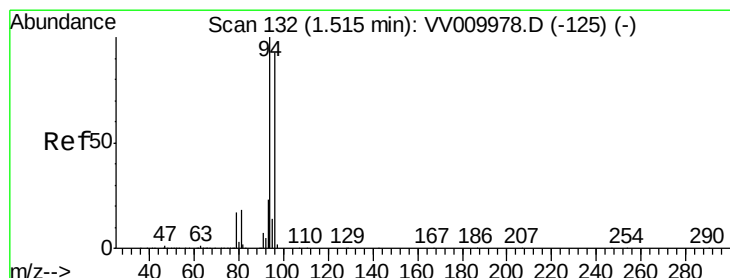
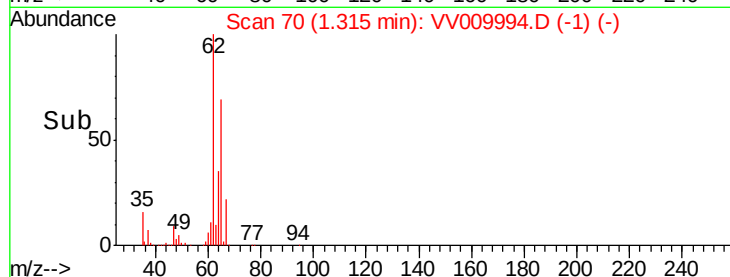
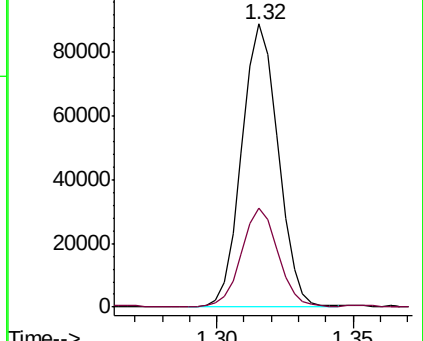
62 100

64 35.0 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV009994.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV009994.D (-66) (-)



#6

Bromomethane

Concen: 18.750 ug/L

RT: 1.51 min Scan# 129

Delta R.T. -0.01 min

Lab File: VV009994.D

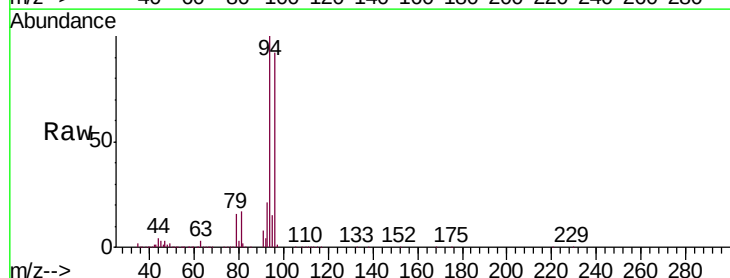
Acq: 29 Mar 2019 04:52

Tgt Ion: 94 Resp: 82429

Ion Ratio Lower Upper

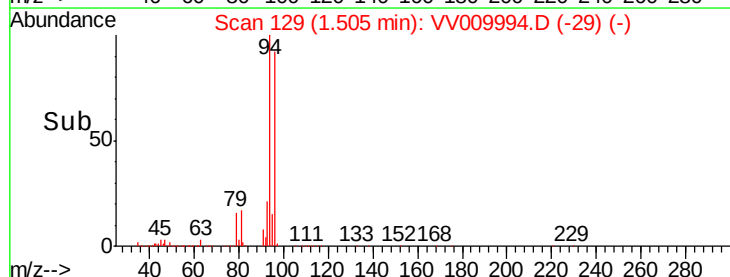
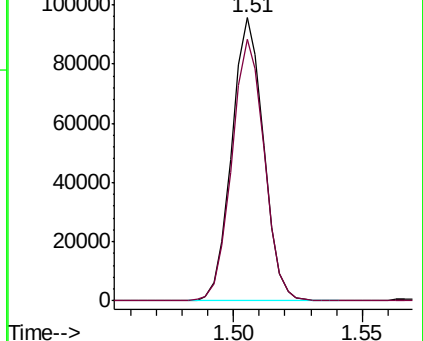
94 100

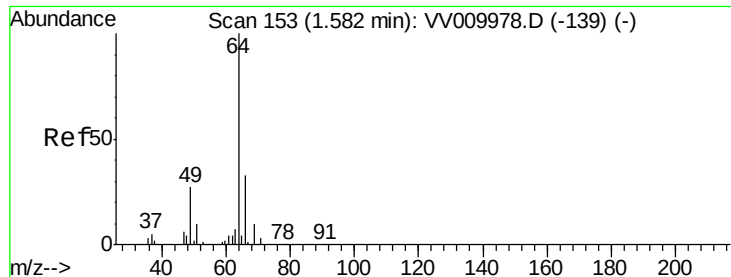
96 93.8 9.4 179.4



Abundance Ion 94.00 (93.70 to 94.70): VV009994.D (-125) (-)

Ion 96.00 (95.70 to 96.70): VV009994.D (-125) (-)





#8

Chloroethane

Concen: 18.789 ug/L

RT: 1.57 min Scan# 150

Delta R.T. -0.01 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

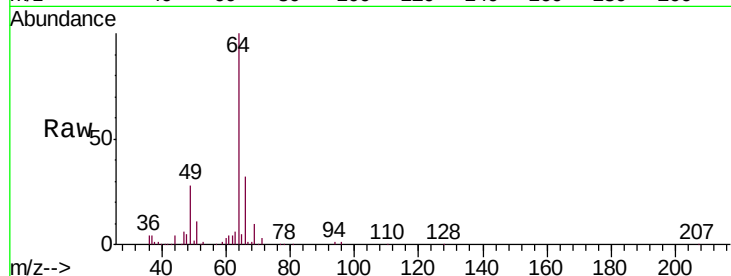
VSTD02571

Tgt Ion: 64 Resp: 71341

Ion Ratio Lower Upper

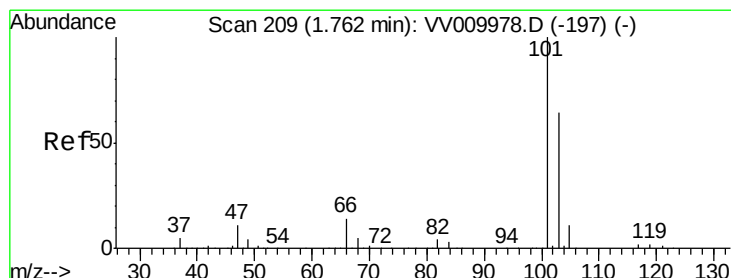
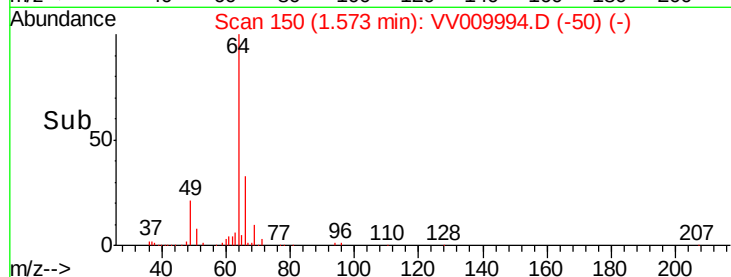
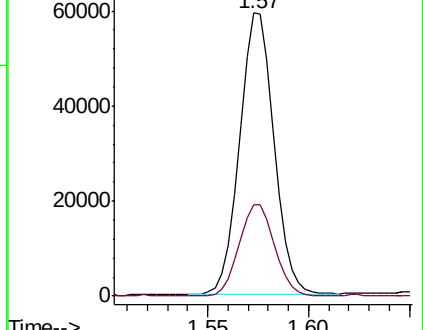
64 100

66 32.4 22.3 41.5



Abundance Ion 64.00 (63.70 to 64.70): VV009994.D (-139) (-)

Ion 66.00 (65.70 to 66.70): VV009994.D (-139) (-)



#9

Trichlorofluoromethane

Concen: 19.559 ug/L

RT: 1.75 min Scan# 206

Delta R.T. -0.01 min

Lab File: VV009994.D

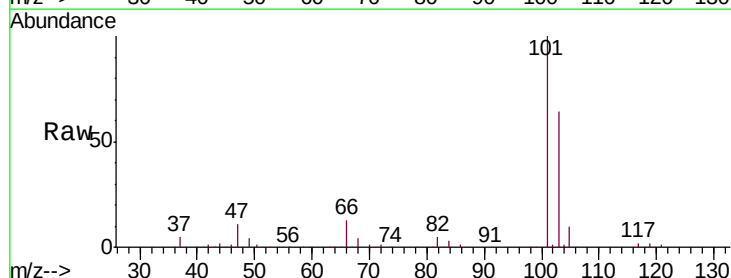
Acq: 29 Mar 2019 04:52

Tgt Ion: 101 Resp: 183851

Ion Ratio Lower Upper

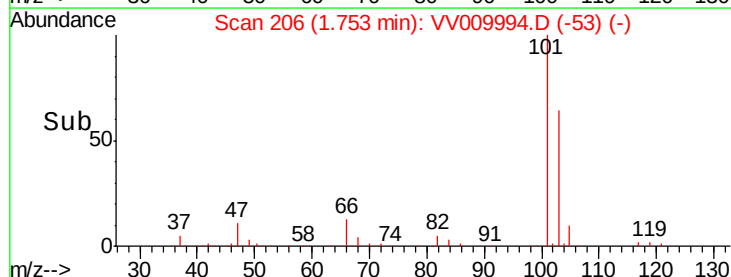
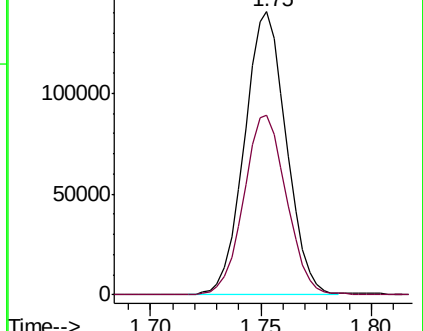
101 100

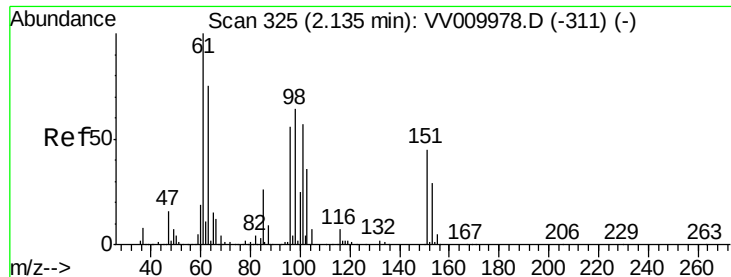
103 64.7 45.1 83.9



Abundance Ion 101.00 (100.70 to 101.70): VV009994.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV009994.D (-197) (-)





#11

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

Concen: 16.059 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD02571

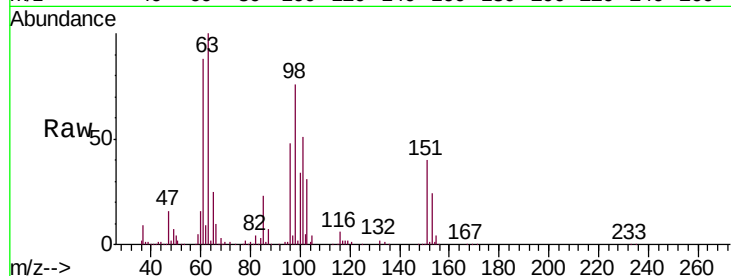
Tgt Ion: 101 Resp: 87738

Ion Ratio Lower Upper

101 100

85 46.7 36.9 55.3

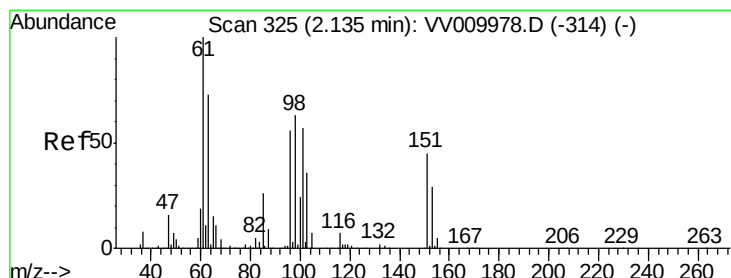
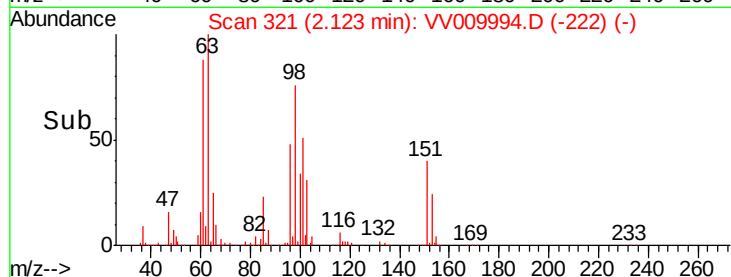
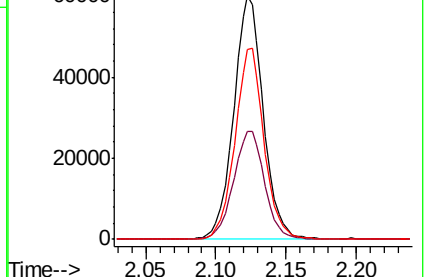
151 77.4 63.6 95.4



Abundance Ion 101.00 (100.70 to 101.70): VV009994.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV009994.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV009994.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 16.973 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

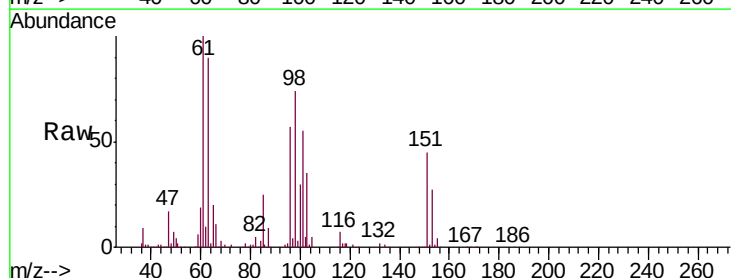
Tgt Ion: 96 Resp: 78664

Ion Ratio Lower Upper

96 100

61 174.3 124.3 230.8

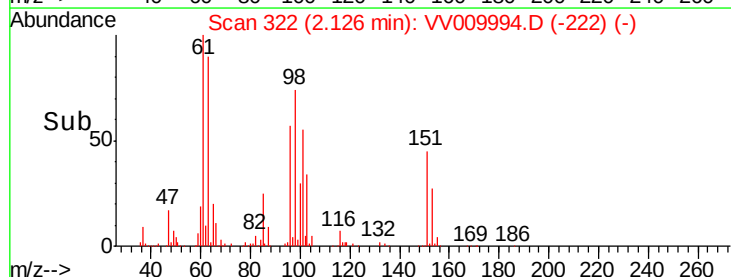
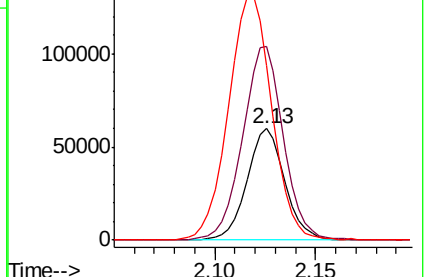
63 157.0 88.2 163.8

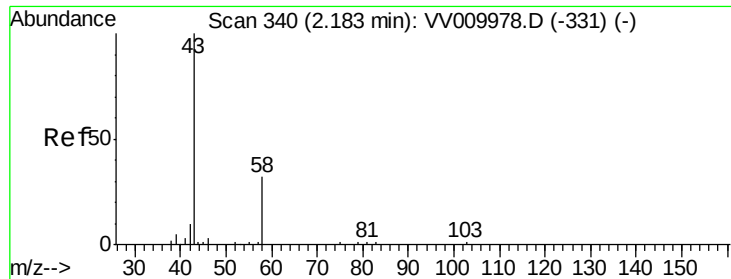


Abundance Ion 96.00 (95.70 to 96.70): VV009994.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV009994.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV009994.D (-222) (-)





#13

Acetone

Concen: 25.139 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

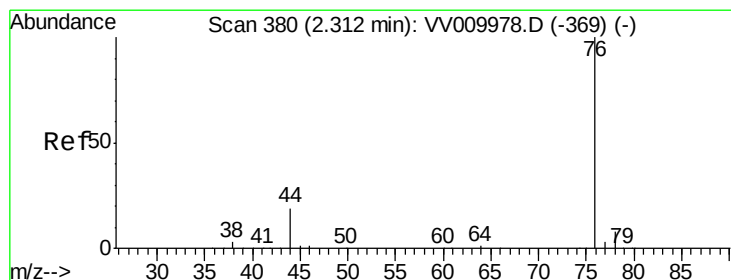
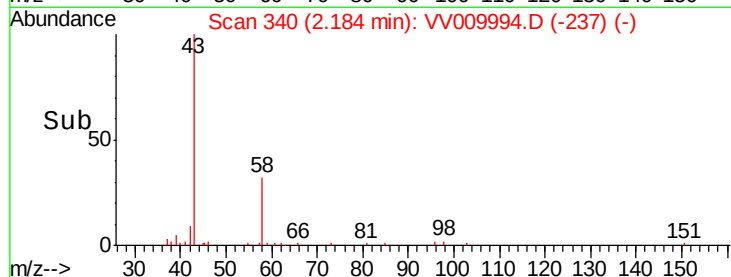
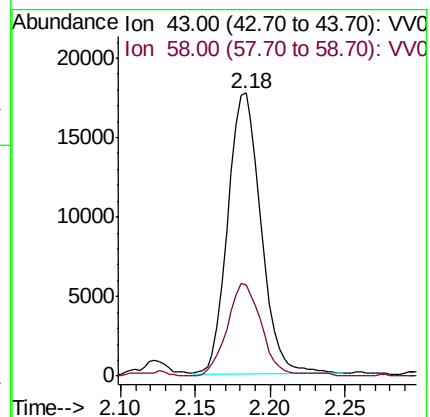
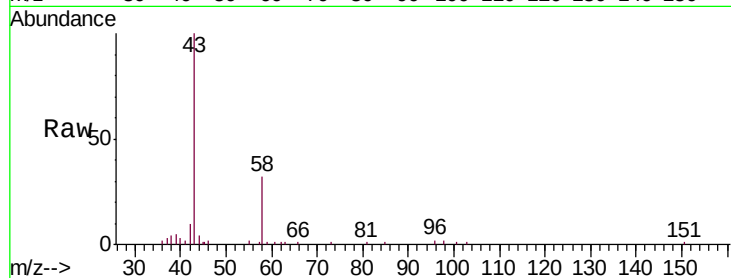
VSTD02571

Tgt Ion: 43 Resp: 27268

Ion Ratio Lower Upper

43 100

58 33.9 0.0 59.4



#14

Carbon disulfide

Concen: 19.528 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.01 min

Lab File: VV009994.D

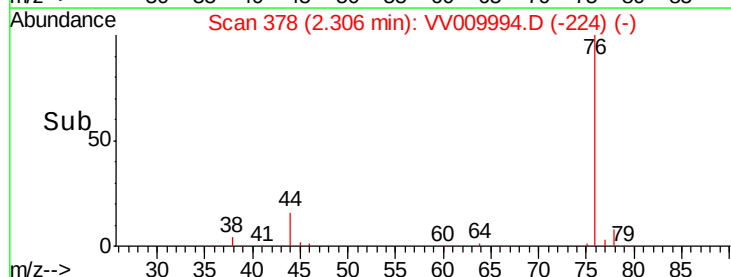
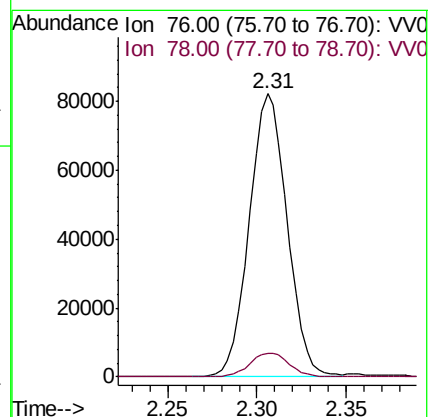
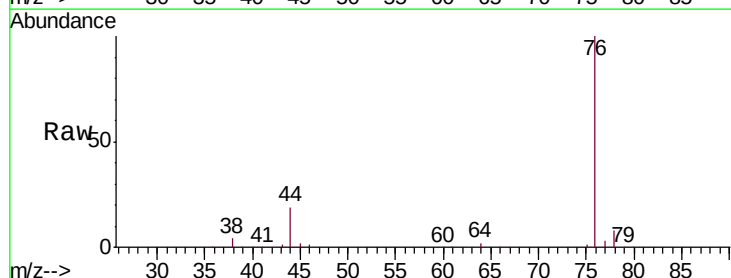
Acq: 29 Mar 2019 04:52

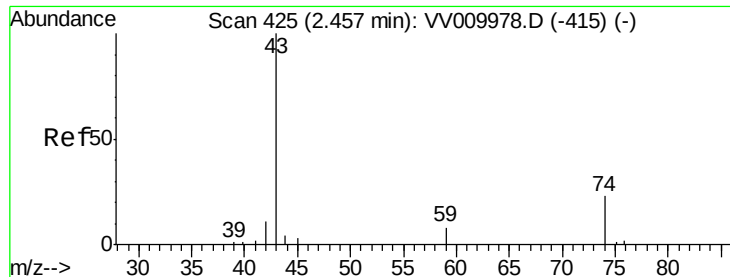
Tgt Ion: 76 Resp: 122450

Ion Ratio Lower Upper

76 100

78 8.3 7.5 11.3

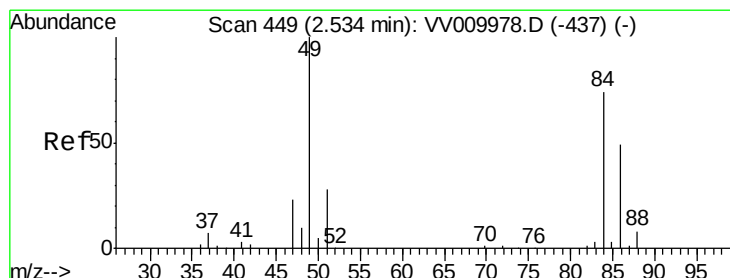
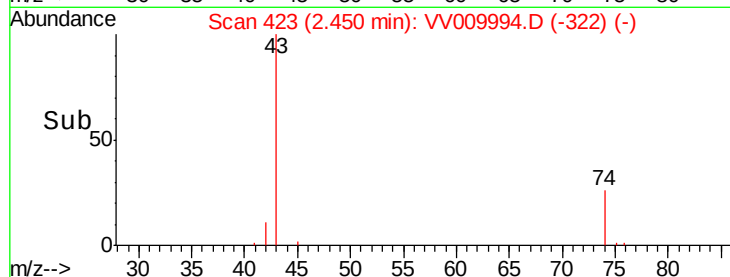
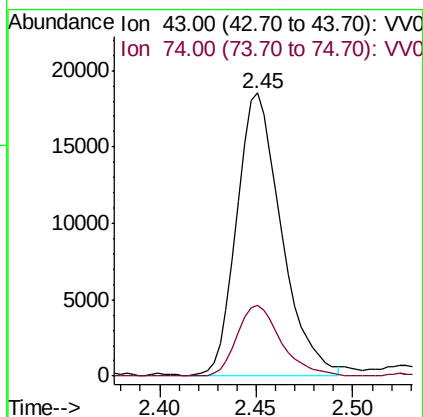
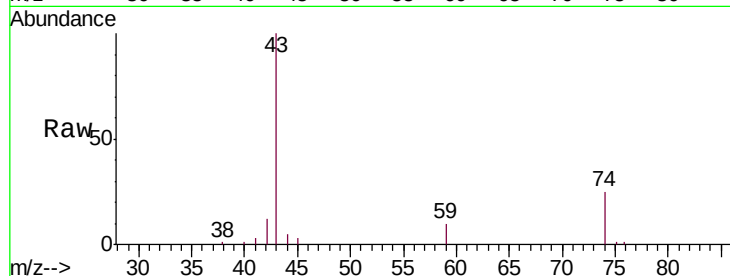




#15
Methyl Acetate
Concen: 23.477 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.01 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

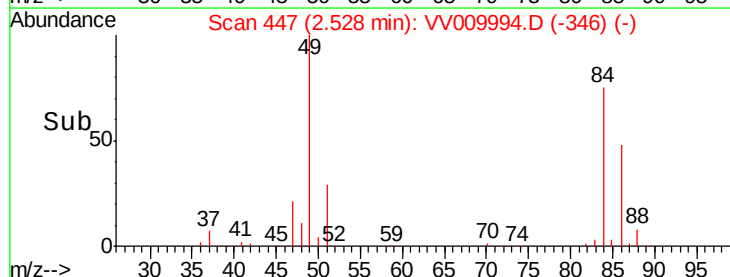
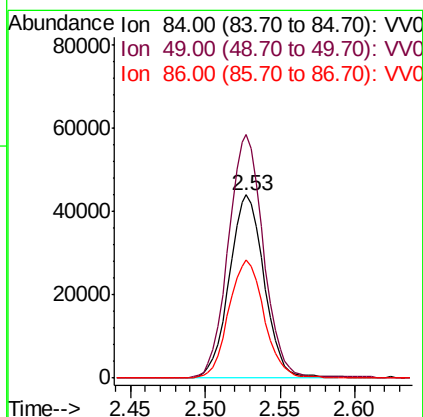
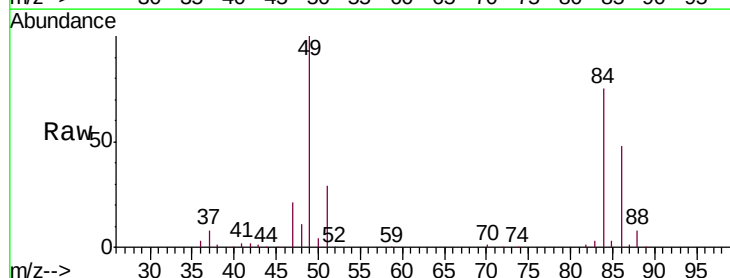
Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

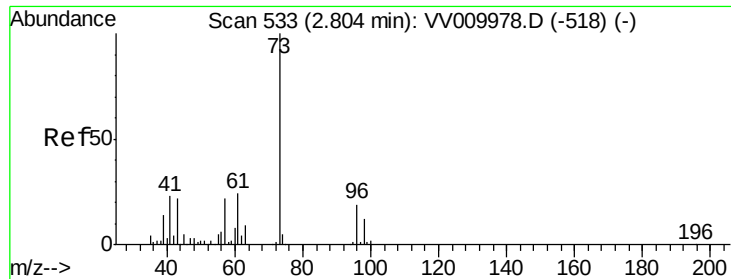
Tgt Ion: 43 Resp: 29829
Ion Ratio Lower Upper
43 100
74 24.5 20.9 31.3



#16
Methylene chloride
Concen: 22.947 ug/L
RT: 2.53 min Scan# 447
Delta R.T. -0.01 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

Tgt Ion: 84 Resp: 71595
Ion Ratio Lower Upper
84 100
49 133.2 90.4 167.8
86 64.6 44.0 81.6

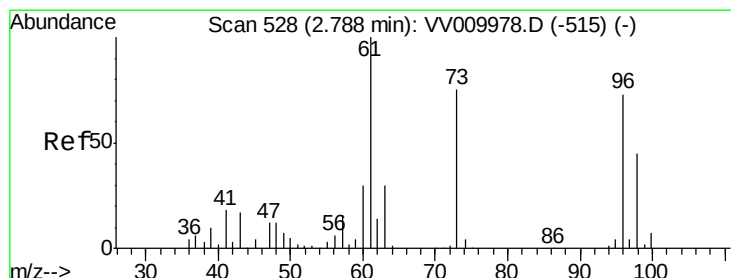
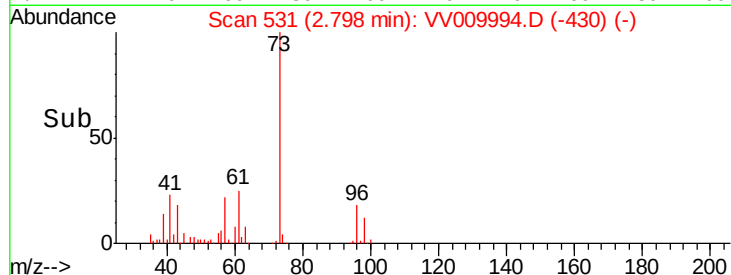
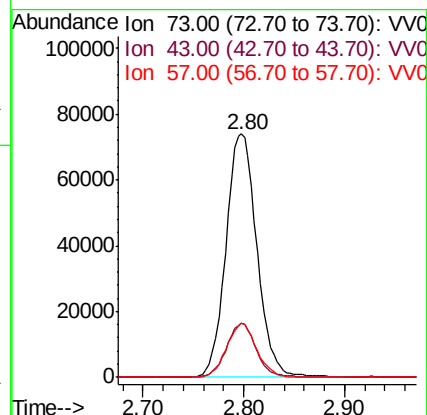
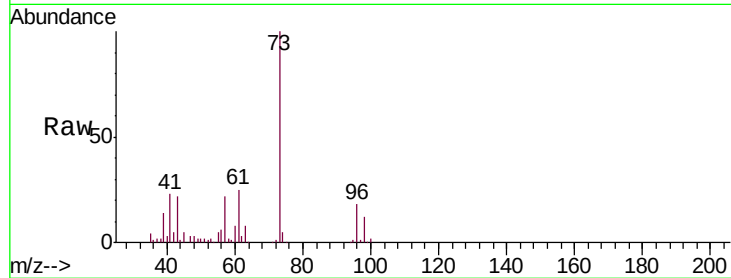




#17
Methyl tert-butyl Ether
Concen: 26.165 ug/L
RT: 2.80 min Scan# 531
Delta R.T. -0.01 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

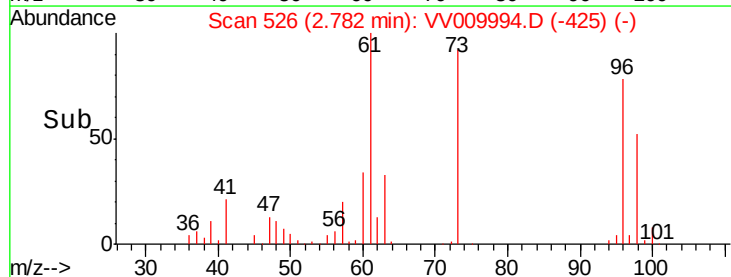
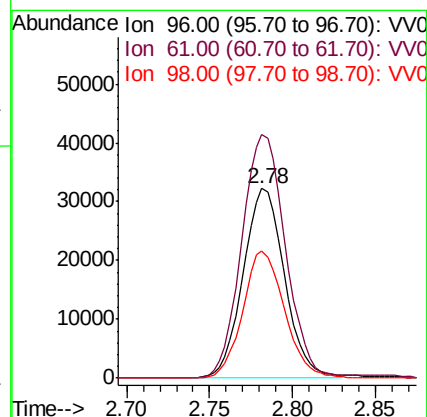
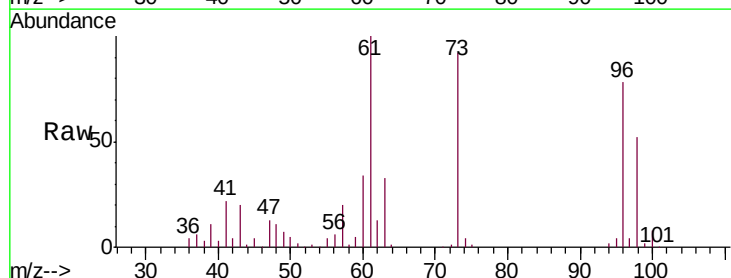
Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

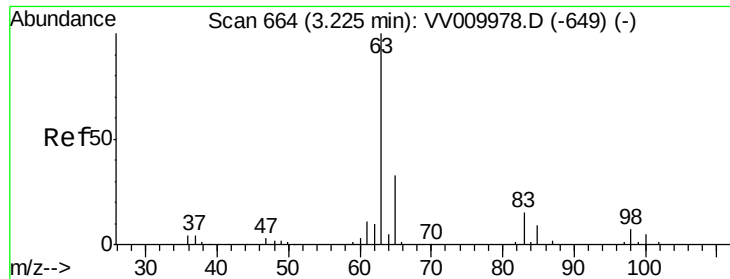
Tgt Ion: 73 Resp: 158229
Ion Ratio Lower Upper
73 100
43 21.5 17.0 25.6
57 21.4 18.0 27.0



#18
trans-1,2-Dichloroethene
Concen: 22.636 ug/L
RT: 2.78 min Scan# 526
Delta R.T. -0.01 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

Tgt Ion: 96 Resp: 56193
Ion Ratio Lower Upper
96 100
61 128.6 96.8 179.8
98 67.3 46.1 85.7

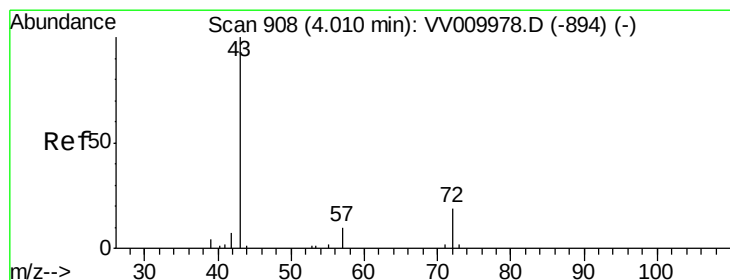
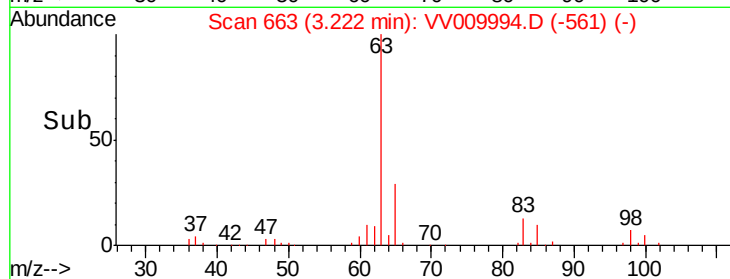
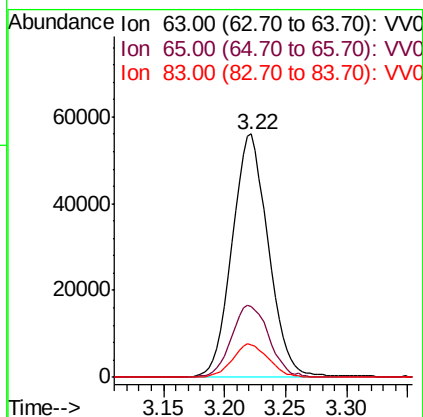
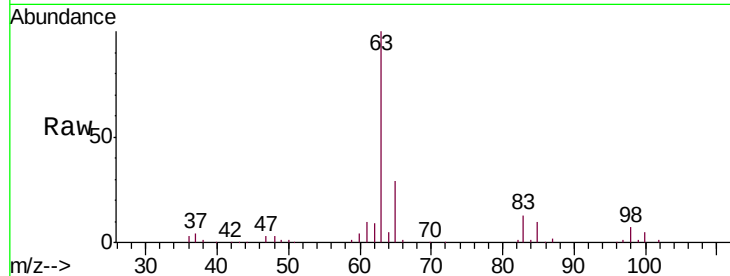




#19
 1,1-Dichloroethane
 Concen: 25.457 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

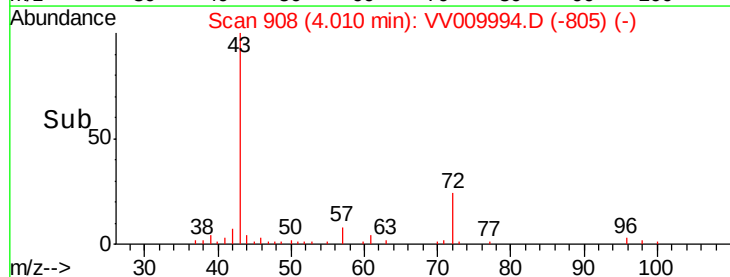
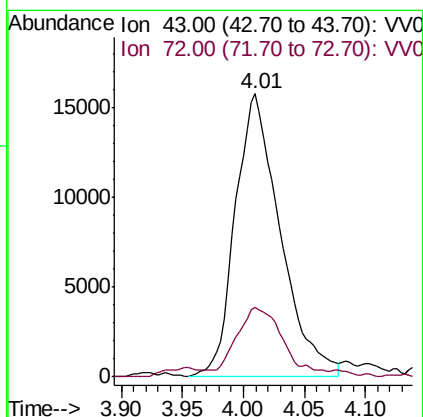
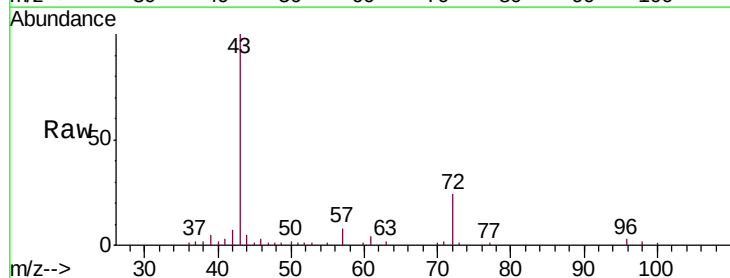
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

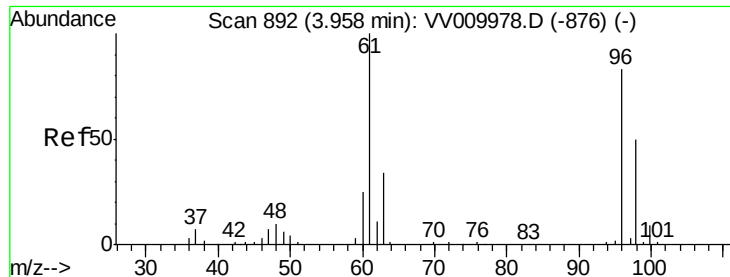
Tgt Ion: 63 Resp: 115572
 Ion Ratio Lower Upper
 63 100
 65 29.0 23.2 43.0
 83 13.4 11.3 21.1



#21
 2-Butanone
 Concen: 41.886 ug/L
 RT: 4.01 min Scan# 908
 Delta R.T. 0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

Tgt Ion: 43 Resp: 40464
 Ion Ratio Lower Upper
 43 100
 72 23.3 11.1 33.1



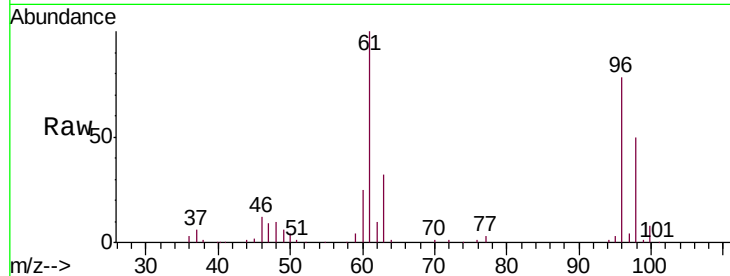


#22

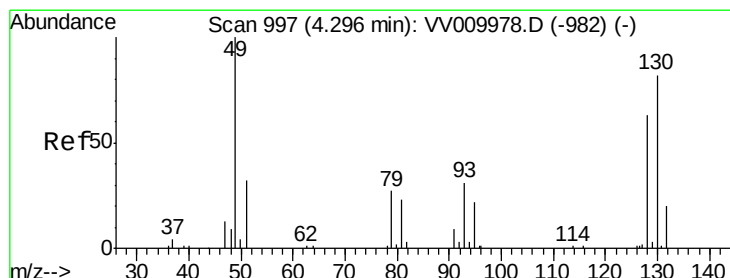
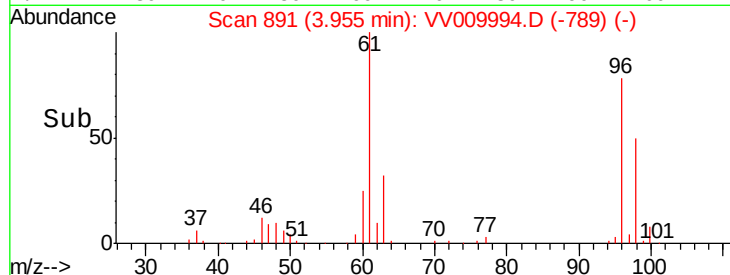
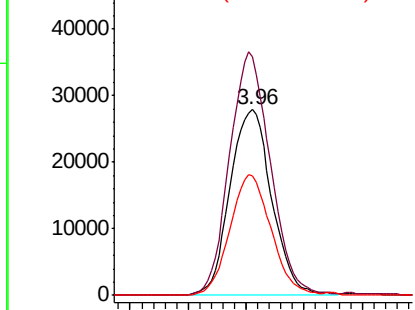
cis-1,2-Dichloroethene
 Concen: 25.494 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

Tgt Ion: 96 Resp: 69880
 Ion Ratio Lower Upper
 96 100
 61 128.5 91.4 169.8
 98 64.7 48.0 89.2



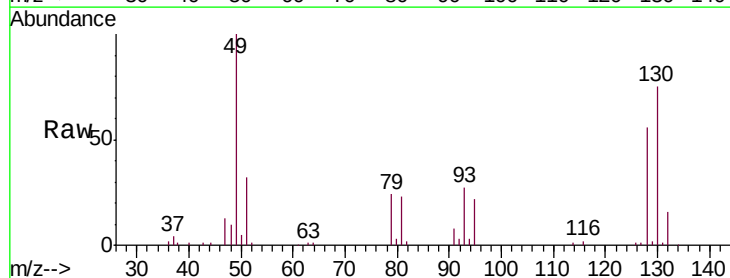
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



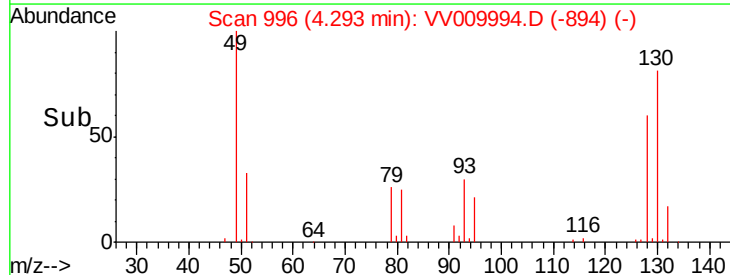
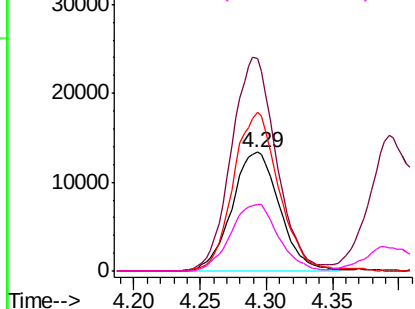
#23

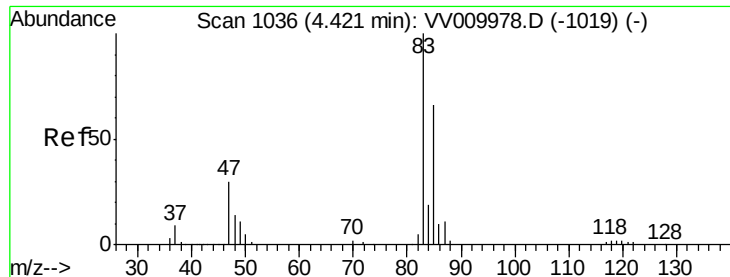
Bromochloromethane
 Concen: 26.343 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

Tgt Ion: 128 Resp: 33341
 Ion Ratio Lower Upper
 128 100
 49 178.7 118.2 219.6
 130 134.0 83.4 154.8
 51 56.4 39.4 59.2



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

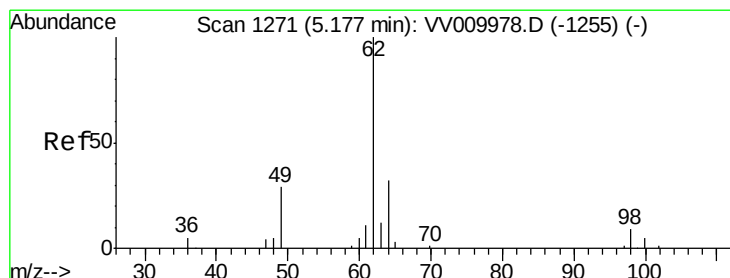
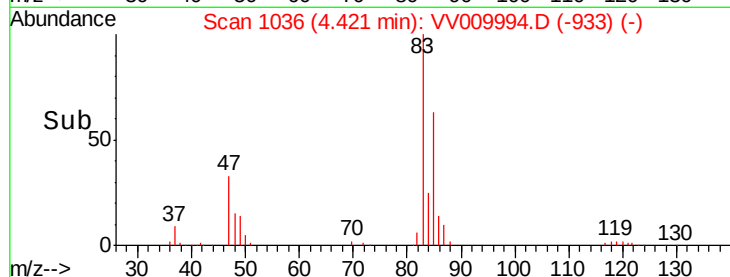
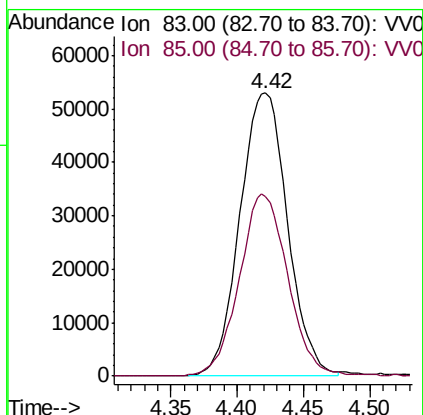
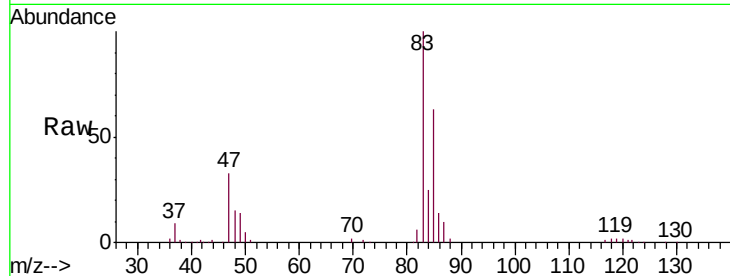




#25
Chloroform
Concen: 26.367 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

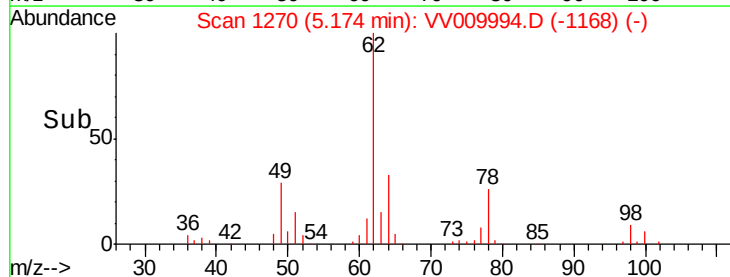
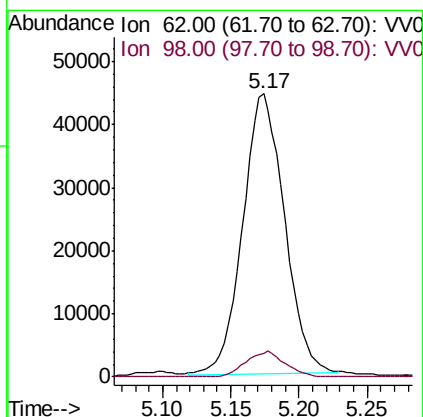
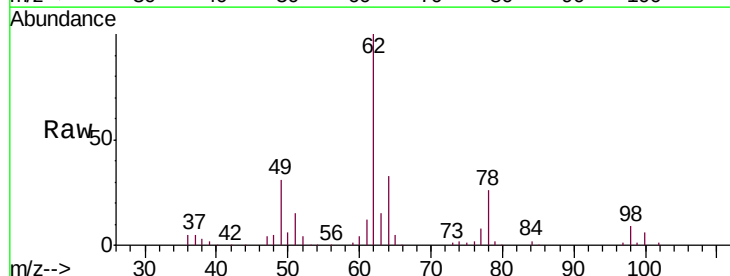
Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

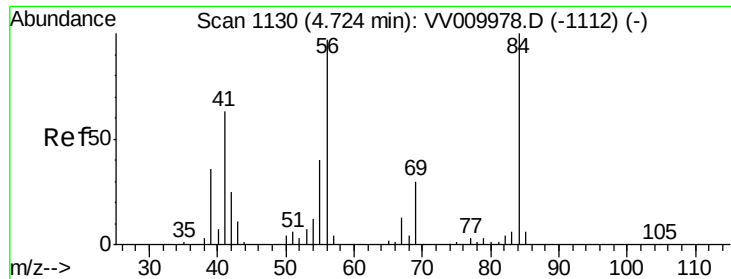
Tgt Ion: 83 Resp: 132352
Ion Ratio Lower Upper
83 100
85 65.5 46.1 85.7



#27
1,2-Dichloroethane
Concen: 26.615 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

Tgt Ion: 62 Resp: 94654
Ion Ratio Lower Upper
62 100
98 8.5 7.2 10.8

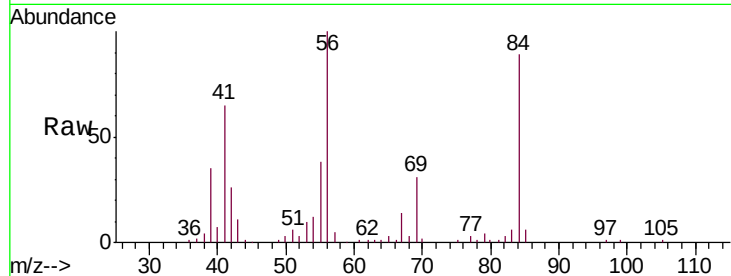




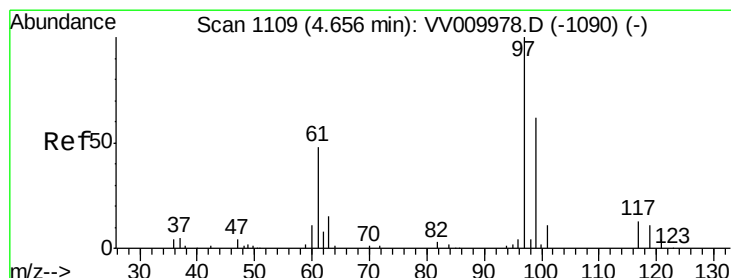
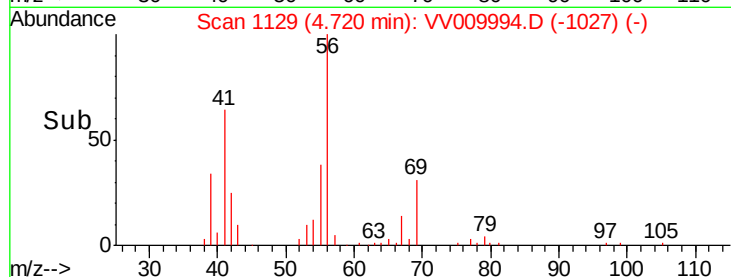
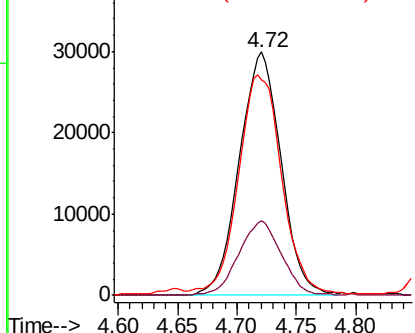
#30
Cyclohexane
Concen: 18.632 ug/L
RT: 4.72 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

Tgt Ion: 56 Resp: 72922
Ion Ratio Lower Upper
56 100
69 31.1 24.5 36.7
84 94.6 75.6 113.4

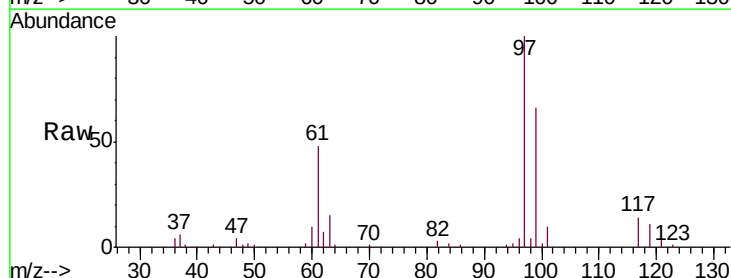


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

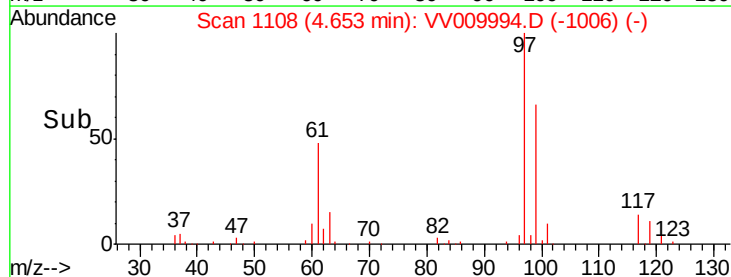
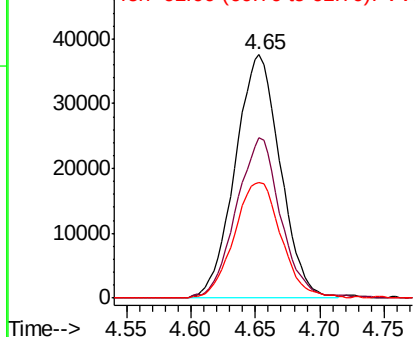


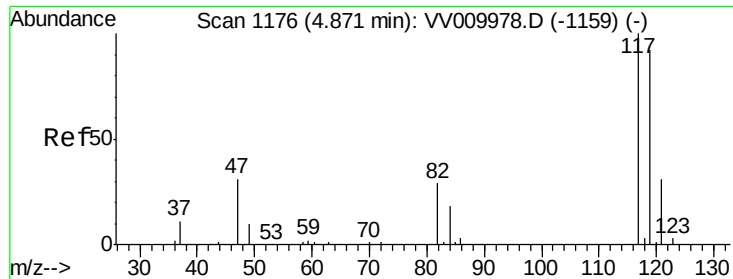
#31
1,1,1-Trichloroethane
Concen: 23.540 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

Tgt Ion: 97 Resp: 91446
Ion Ratio Lower Upper
97 100
99 64.6 51.5 77.3
61 49.2 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: 21.975 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

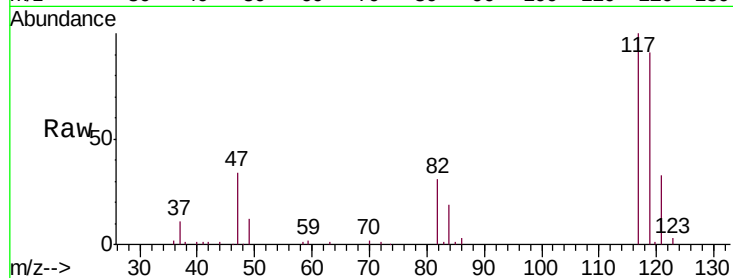
VSTD02571

Tgt Ion:117 Resp: 74199

Ion Ratio Lower Upper

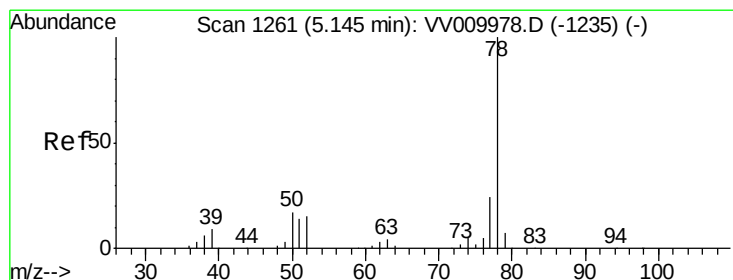
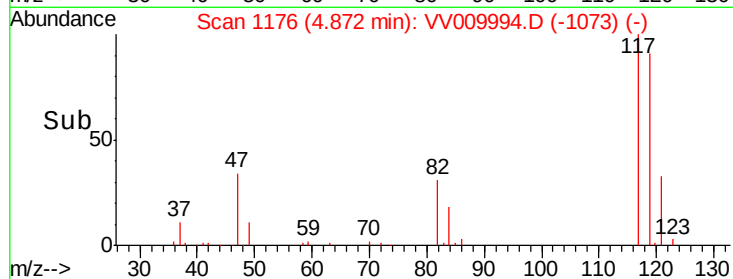
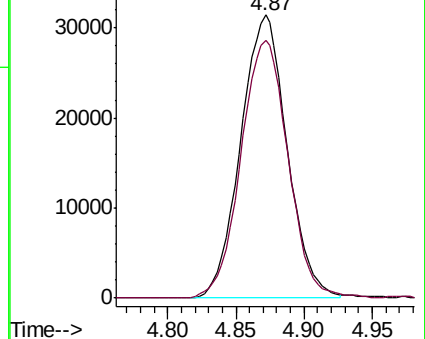
117 100

119 92.4 78.1 117.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.169 ug/L

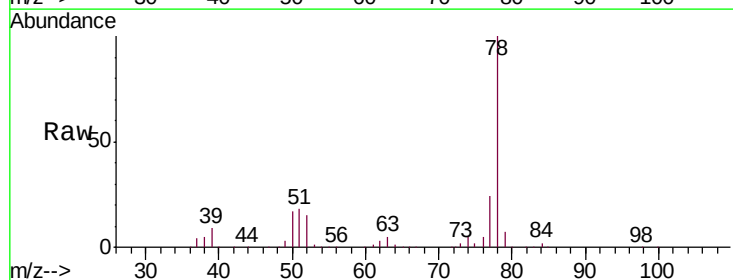
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

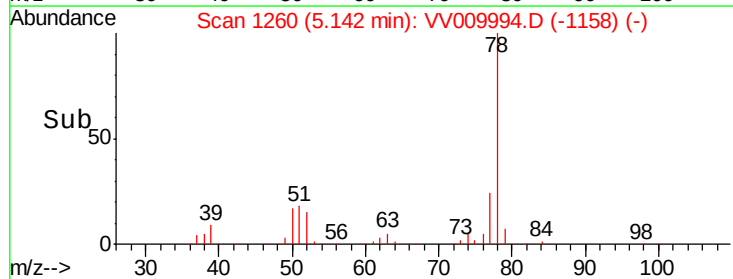
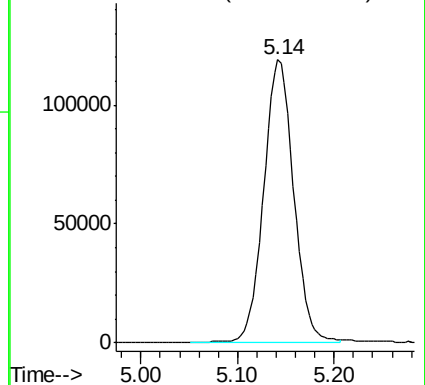
Lab File: VV009994.D

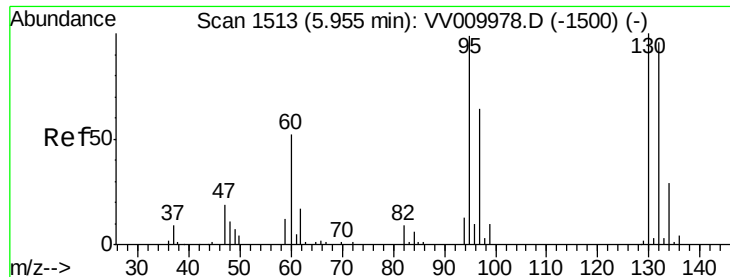
Acq: 29 Mar 2019 04:52

Tgt Ion: 78 Resp: 257626



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 22.825 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD02571

Tgt Ion: 95 Resp: 64176

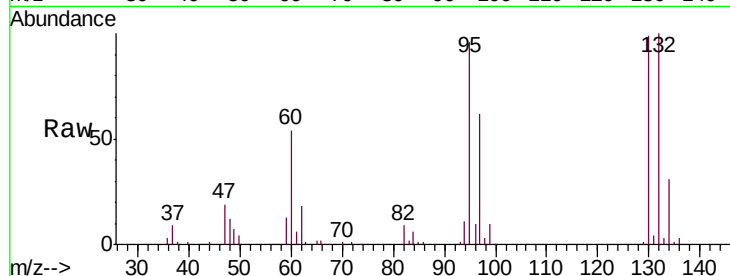
Ion Ratio Lower Upper

95 100

97 64.4 46.3 85.9

132 99.6 69.3 128.7

130 98.1 69.5 129.1

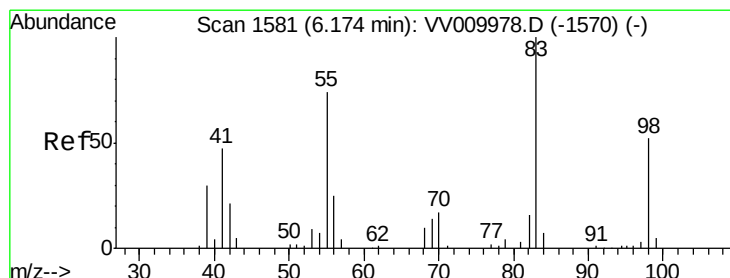
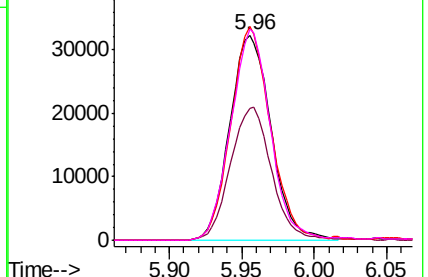
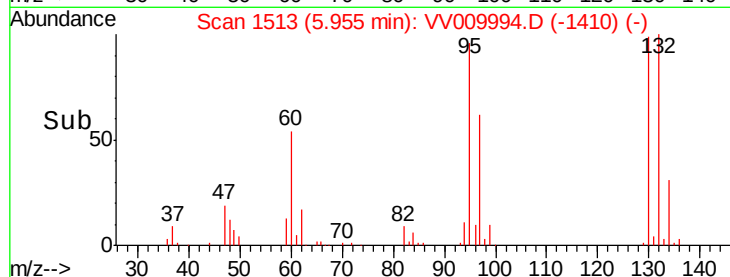


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 18.533 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

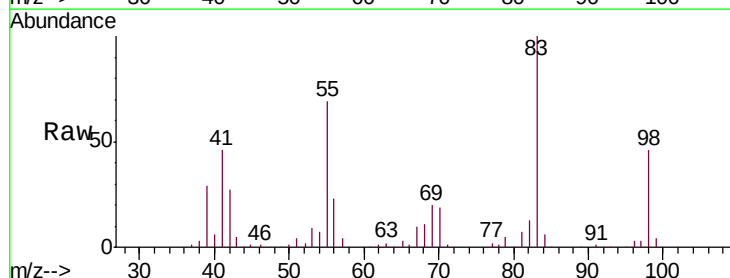
Tgt Ion: 83 Resp: 81757

Ion Ratio Lower Upper

83 100

55 74.3 57.3 85.9

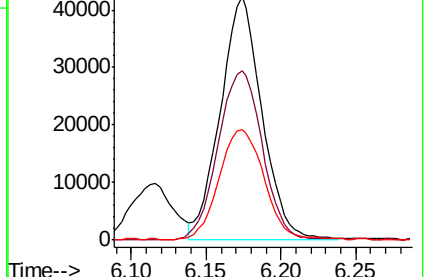
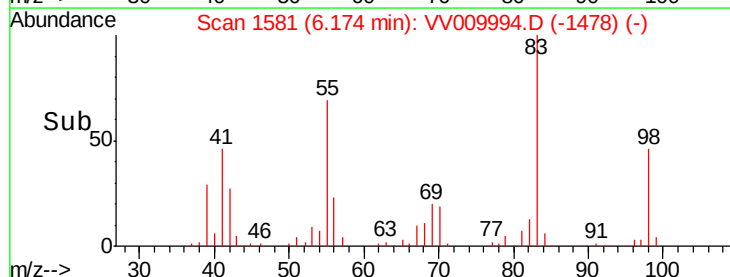
98 49.3 39.2 58.8

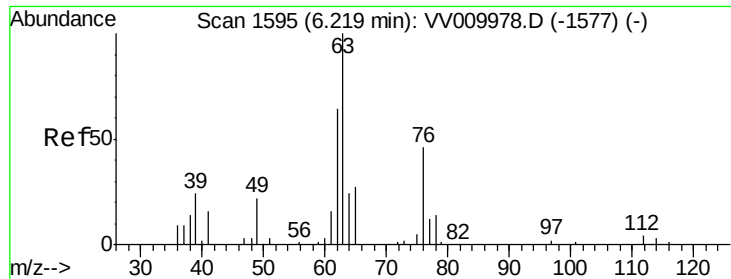


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

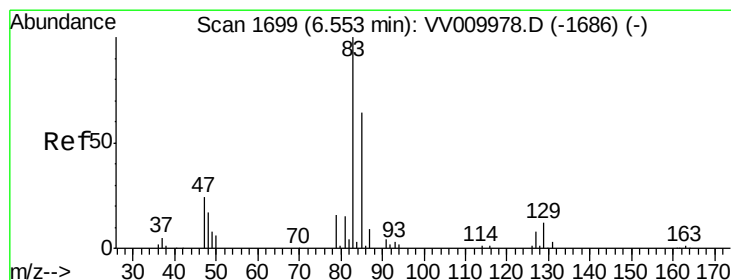
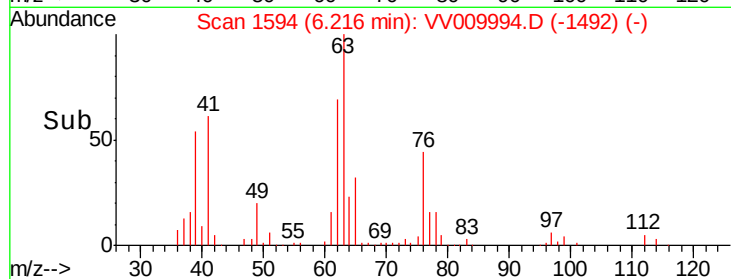
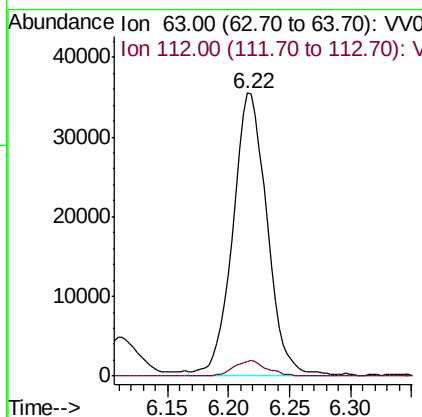
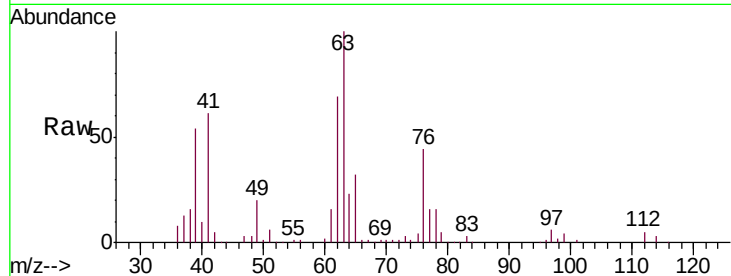




#40
 1,2-Dichloropropane
 Concen: 26.085 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

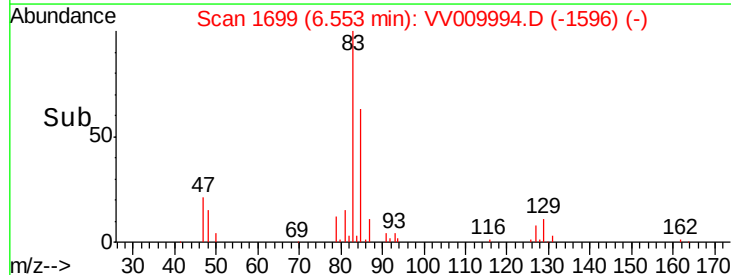
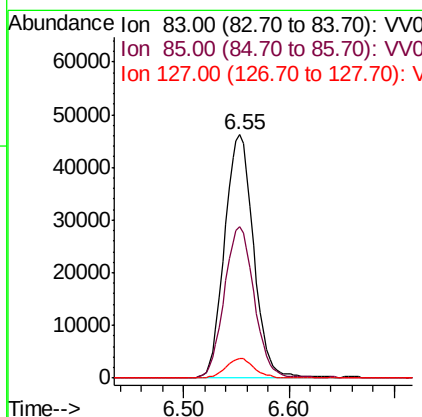
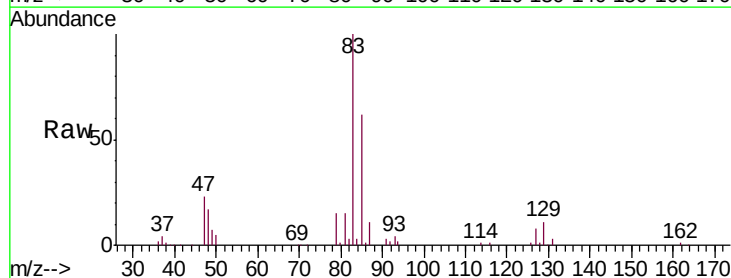
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

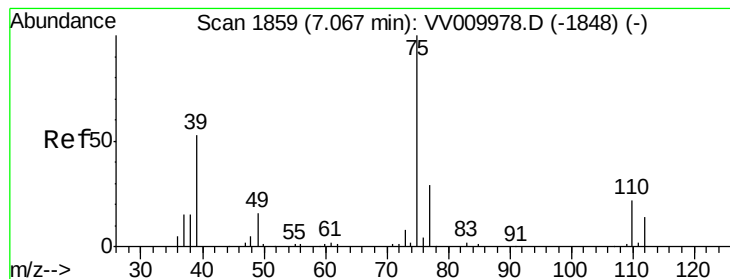
Tgt Ion: 63 Resp: 69479
 Ion Ratio Lower Upper
 63 100
 112 5.2 2.1 3.1#



#41
 Bromodichloromethane
 Concen: 26.627 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

Tgt Ion: 83 Resp: 88202
 Ion Ratio Lower Upper
 83 100
 85 62.1 45.6 84.8
 127 7.9 6.2 9.4



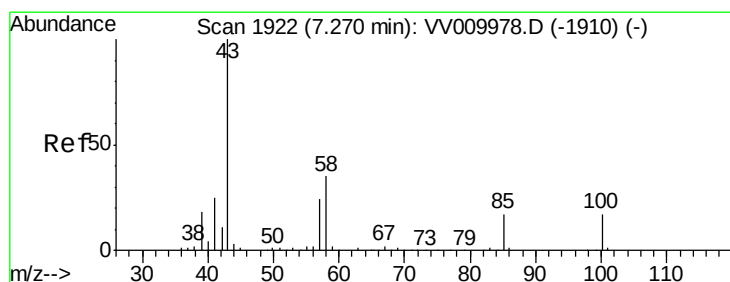
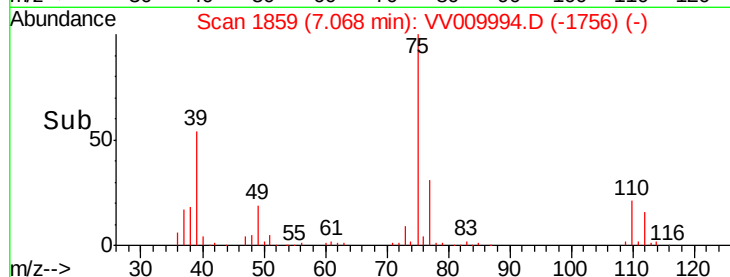
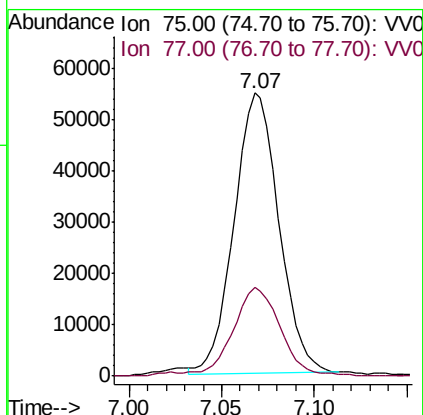
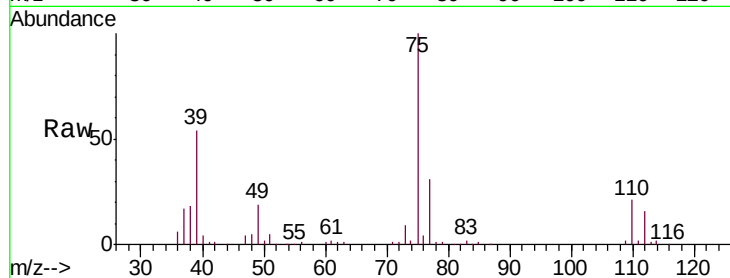


#42

cis-1,3-Dichloropropene
 Concen: 23.685 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

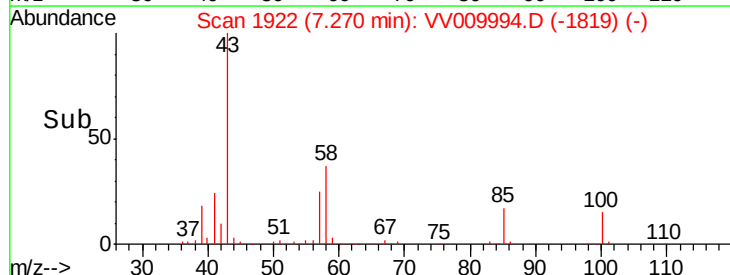
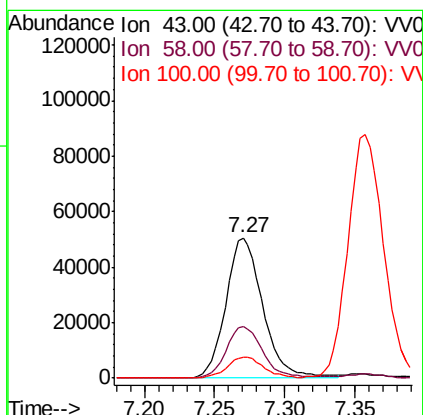
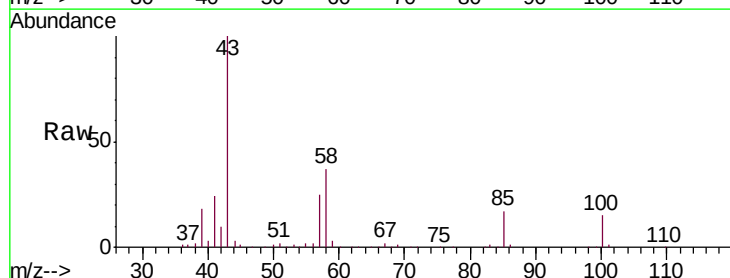
Tgt Ion: 75 Resp: 91976
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.8 40.6

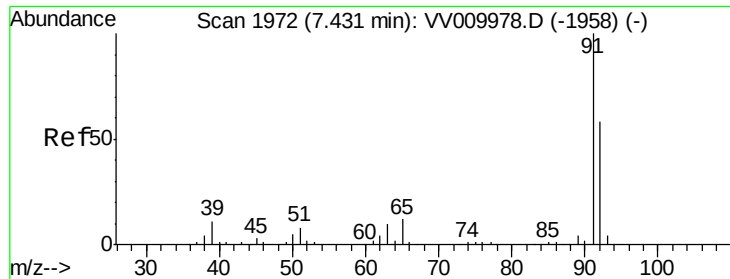


#43

4-Methyl-2-pentanone
 Concen: 48.685 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

Tgt Ion: 43 Resp: 92538
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.4 44.2
 100 14.7 12.2 18.4





#44

Toluene

Concen: 23.454 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

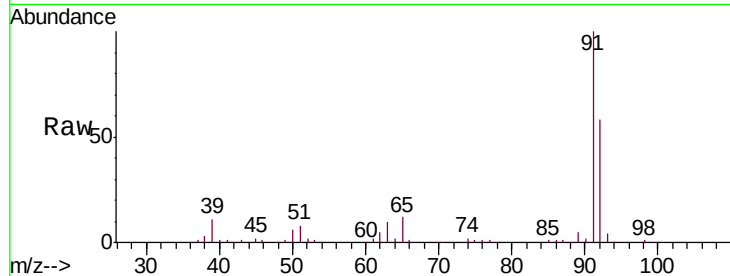
VSTD02571

Tgt Ion: 91 Resp: 275605

Ion Ratio Lower Upper

91 100

92 57.9 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV009994.D (-1869) (-)

Ion 92.00 (91.70 to 92.70): VV009994.D (-1869) (-)

7.43

150000

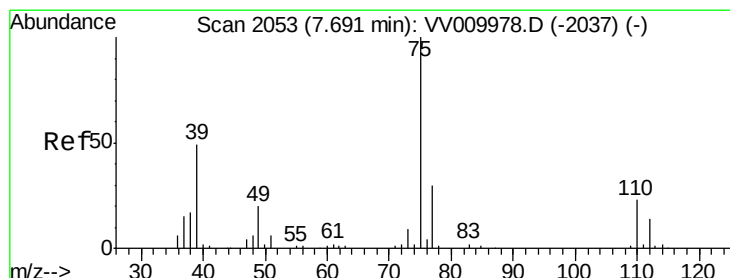
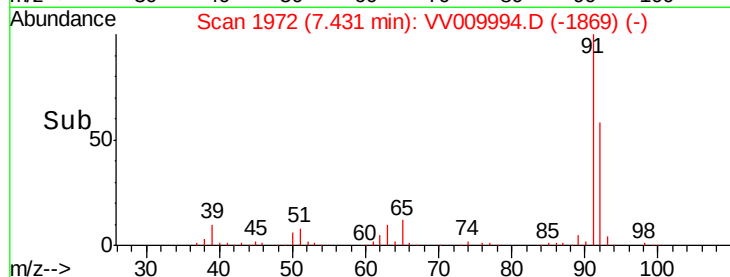
100000

50000

0

7.35 7.40 7.45 7.50

Time-->



#45

trans-1,3-Dichloropropene

Concen: 25.148 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV009994.D

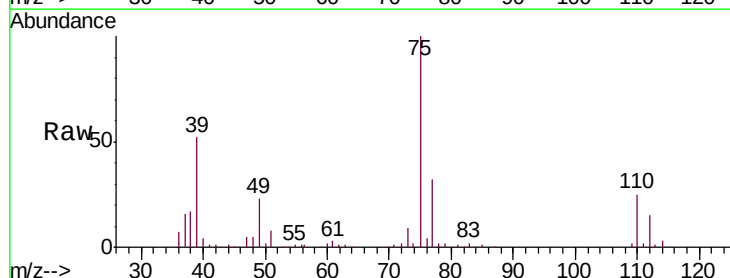
Acq: 29 Mar 2019 04:52

Tgt Ion: 75 Resp: 79944

Ion Ratio Lower Upper

75 100

77 32.2 20.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV009994.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV009994.D (-1950) (-)

7.69

50000

40000

30000

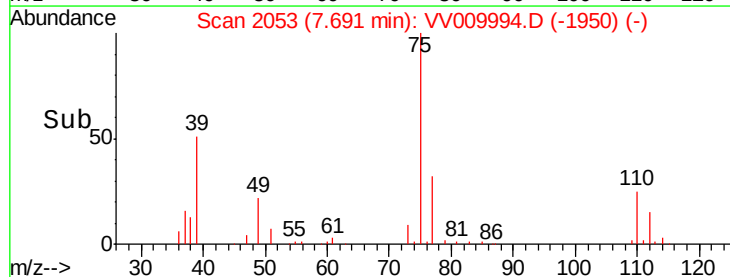
20000

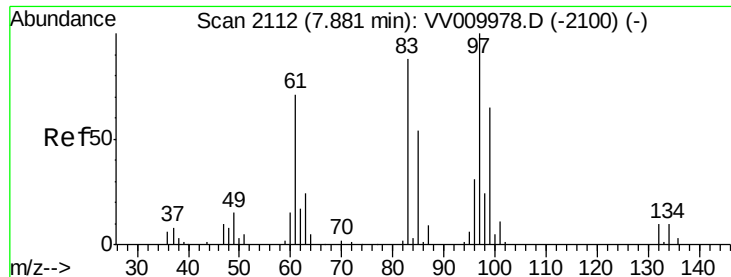
10000

0

7.60 7.65 7.70 7.75

Time-->

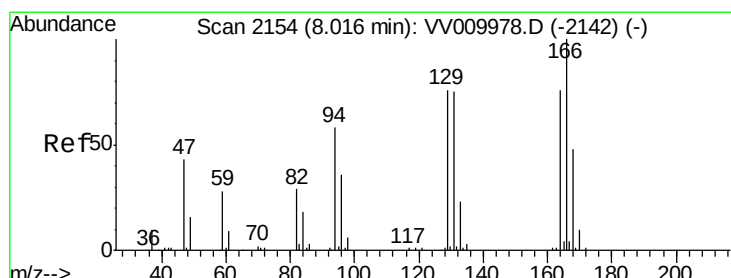
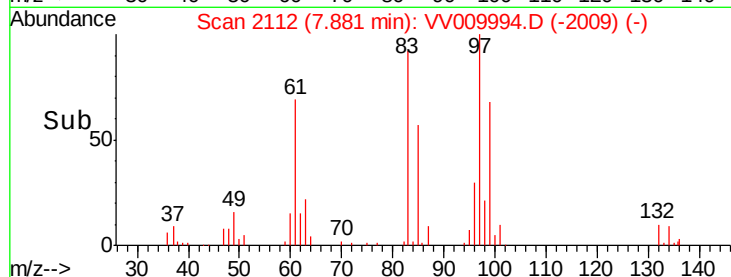
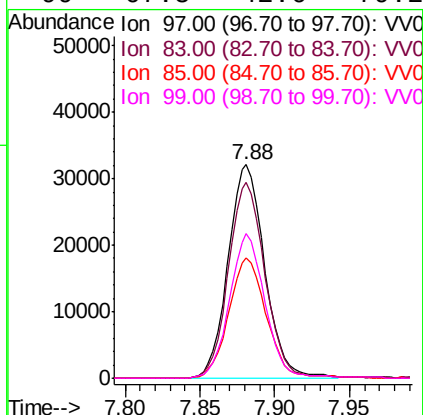
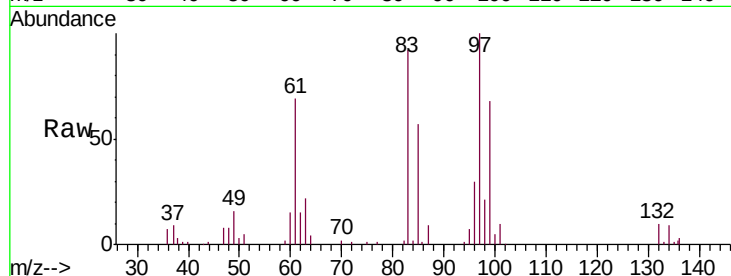




#46
1,1,2-Trichloroethane
Concen: 24.865 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. 0.00 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

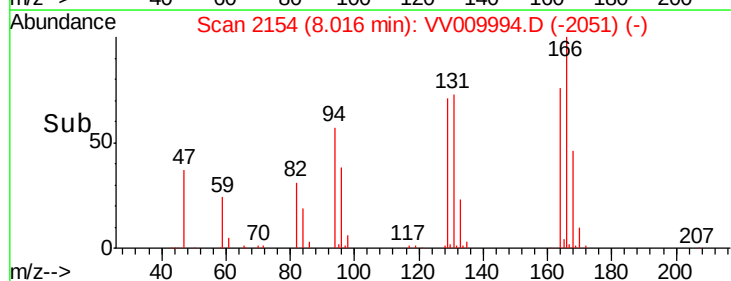
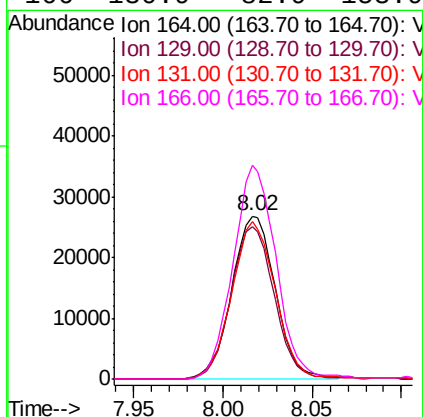
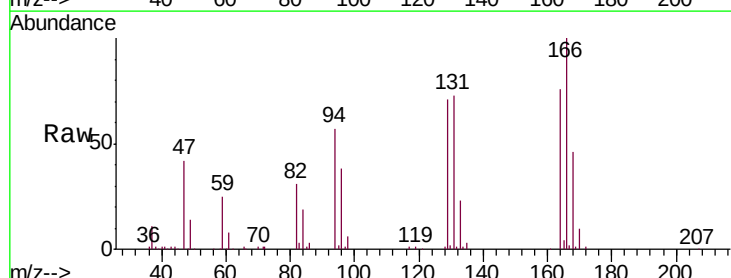
Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

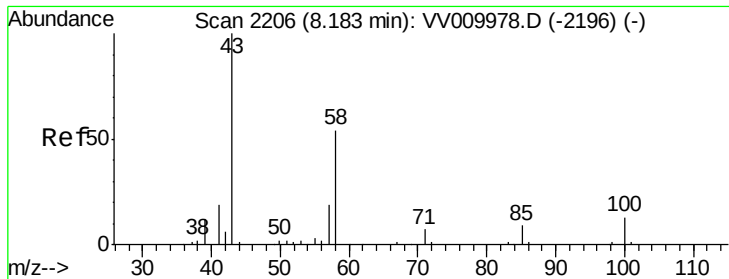
Tgt Ion:	97	Resp:	54776
Ion	Ratio	Lower	Upper
97	100		
83	91.8	59.6	110.8
85	56.6	39.2	72.8
99	67.5	42.6	79.2



#47
Tetrachloroethene
Concen: 20.496 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

Tgt Ion:	164	Resp:	45474
Ion	Ratio	Lower	Upper
164	100		
129	93.4	64.9	120.5
131	96.2	62.0	115.2
166	130.9	82.9	153.9





#49

2-Hexanone

Concen: 44.968 ug/L

RT: 8.18 min Scan# 2206

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :
MSVOA_V
ClientSampled :
VSTD02571

Tgt Ion: 43 Resp: 57768

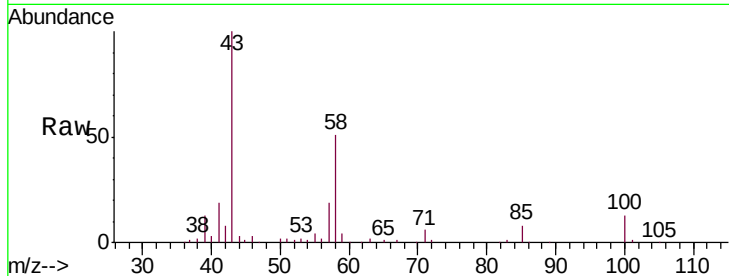
Ion Ratio Lower Upper

43 100

58 56.2 42.0 63.0

57 19.1 12.9 19.3

100 12.7 9.1 13.7

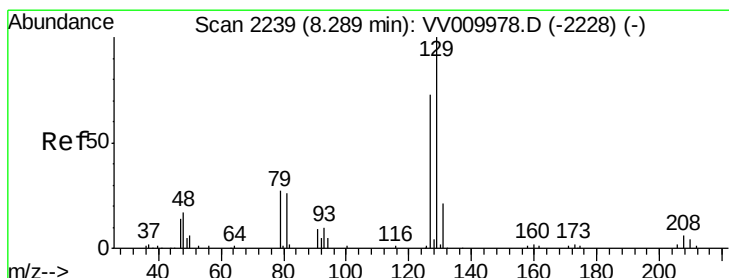
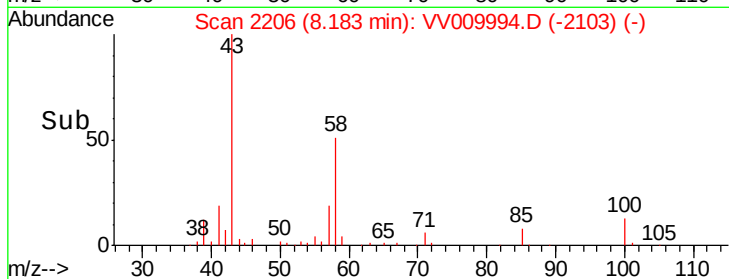
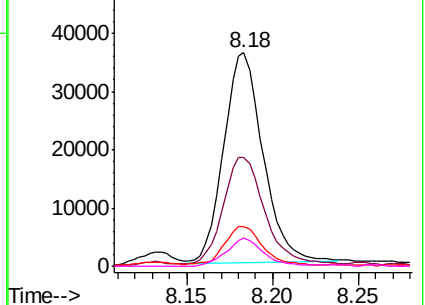


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#50

Dibromochloromethane

Concen: 25.313 ug/L

RT: 8.29 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VV009994.D

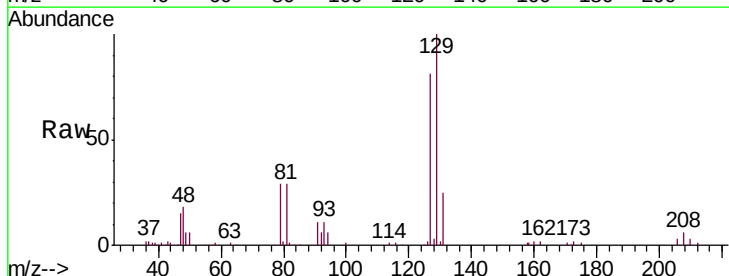
Acq: 29 Mar 2019 04:52

Tgt Ion: 129 Resp: 57820

Ion Ratio Lower Upper

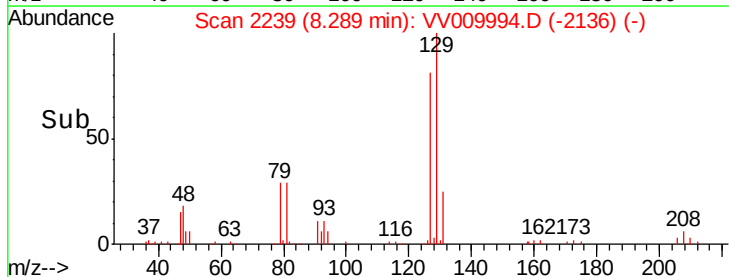
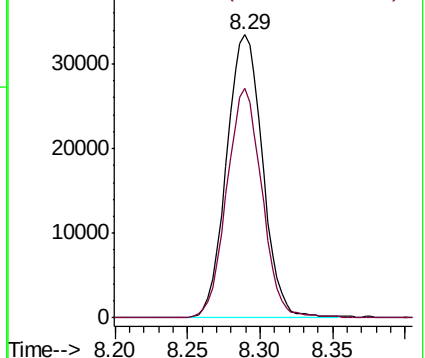
129 100

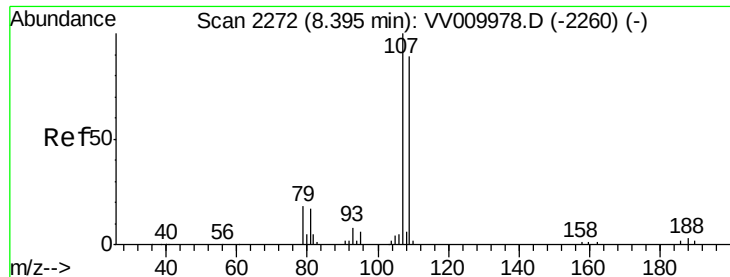
127 81.1 57.9 107.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 24.827 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD02571

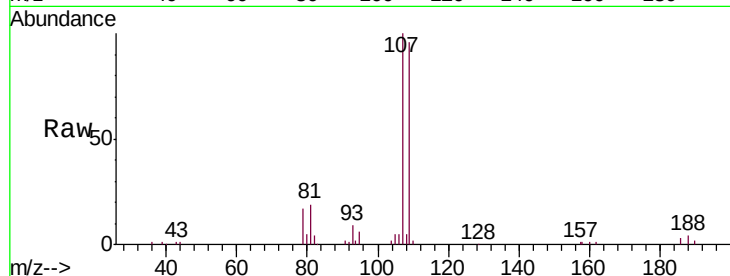
Tgt Ion:107 Resp: 53104

Ion Ratio Lower Upper

107 100

109 96.5 61.8 114.8

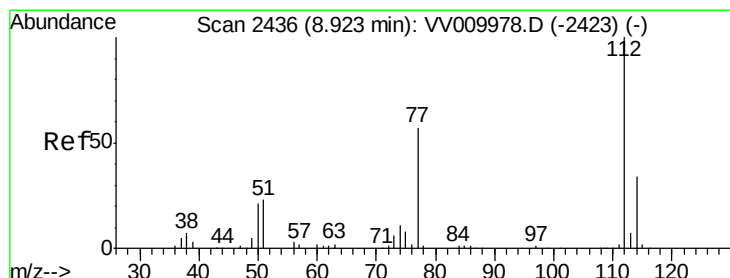
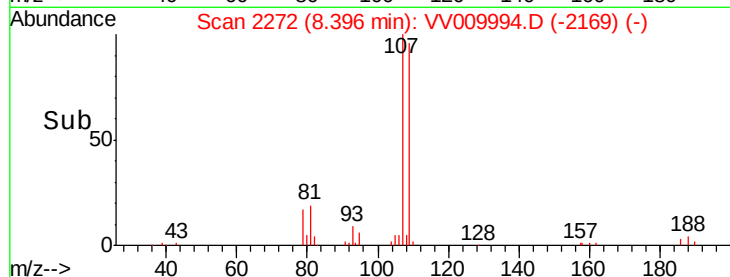
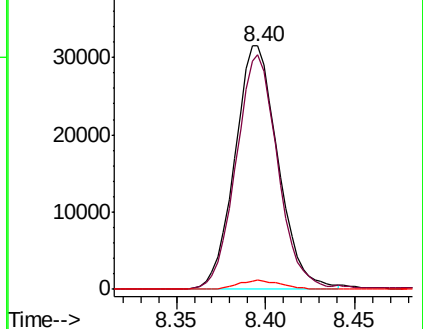
188 3.7 3.5 5.3



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: 23.526 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

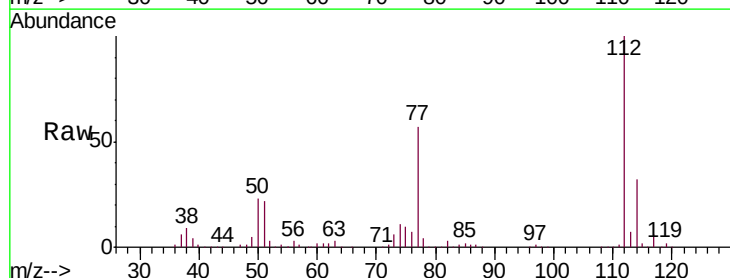
Tgt Ion:112 Resp: 184043

Ion Ratio Lower Upper

112 100

77 56.9 46.8 70.2

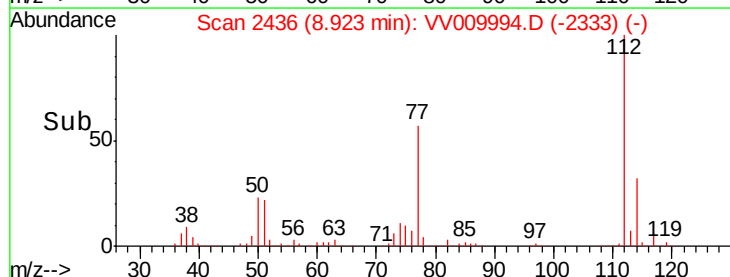
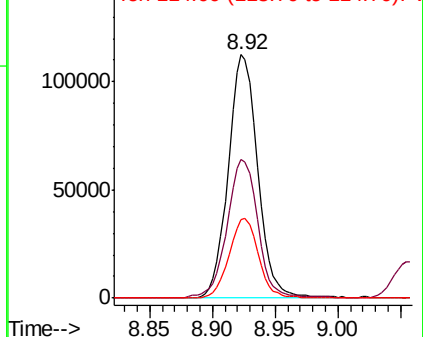
114 32.1 22.3 41.5

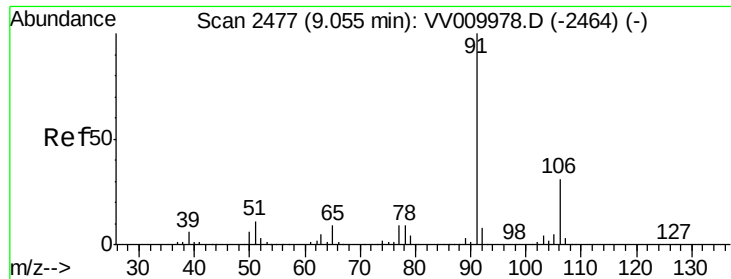


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 22.446 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

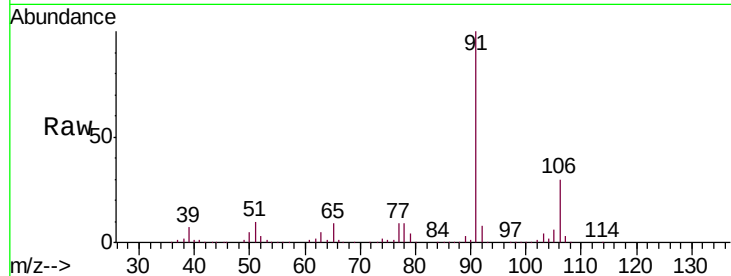
VSTD02571

Tgt Ion: 91 Resp: 290958

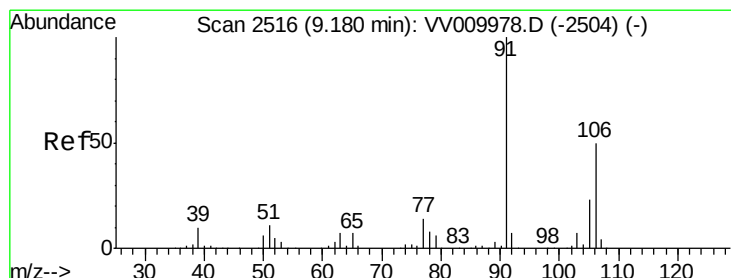
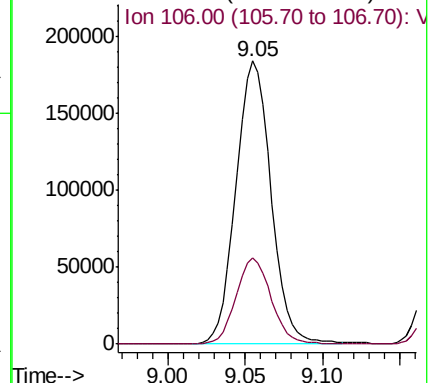
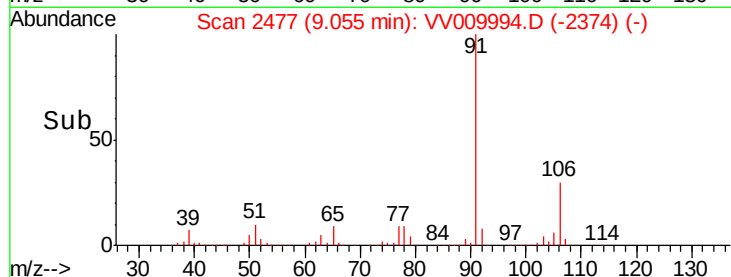
Ion Ratio Lower Upper

91 100

106 30.3 22.3 41.3



Abundance Ion 91.00 (90.70 to 91.70): VV009994.D (-2374) (-)



#54

m,p-Xylene

Concen: 21.602 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV009994.D

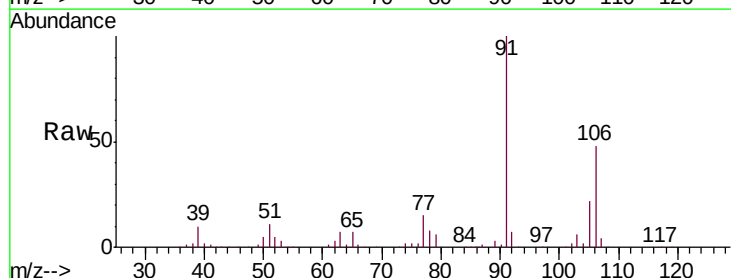
Acq: 29 Mar 2019 04:52

Tgt Ion: 106 Resp: 109980

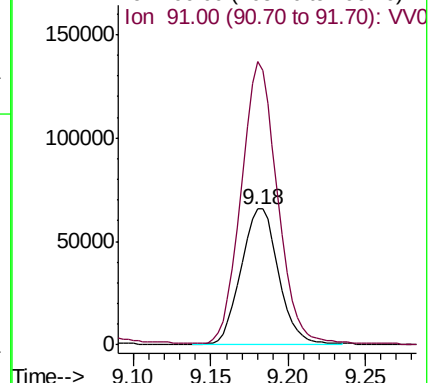
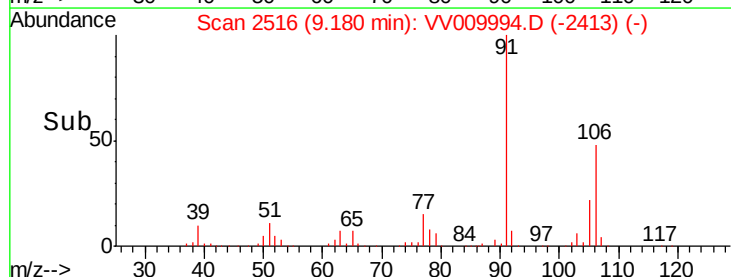
Ion Ratio Lower Upper

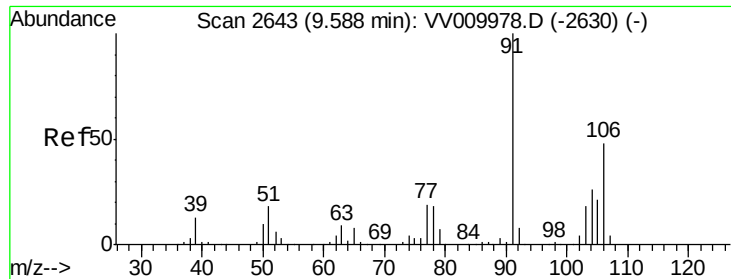
106 100

91 208.1 130.0 241.4



Abundance Ion 106.00 (105.70 to 106.70): VV009994.D (-2413) (-)

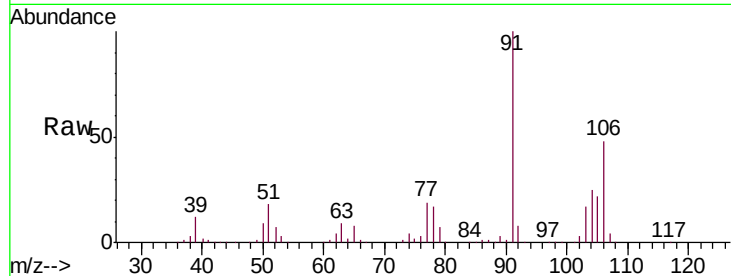




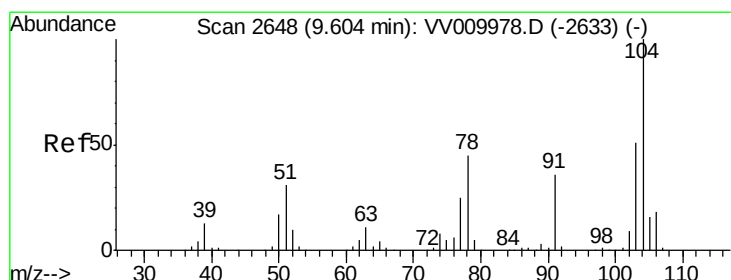
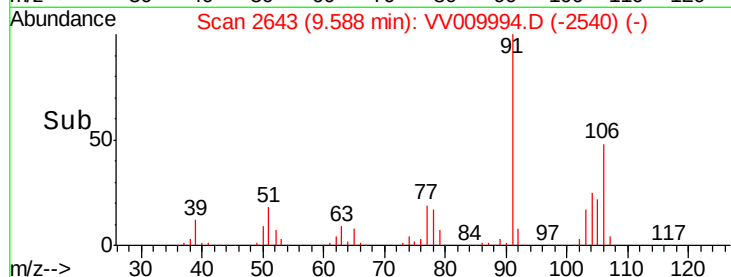
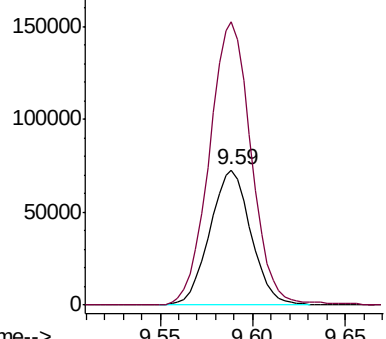
#55
o-xylene
Concen: 22.644 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD02571

Tgt Ion:106 Resp: 111902
Ion Ratio Lower Upper
106 100
91 209.4 144.3 268.1

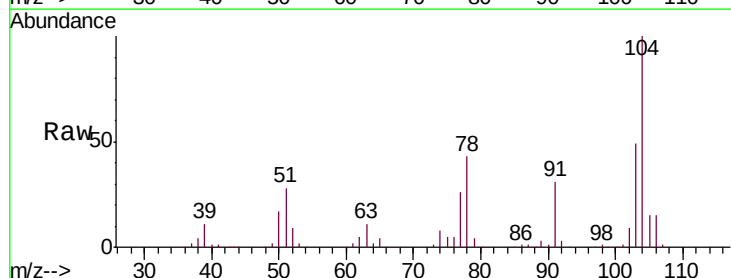


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

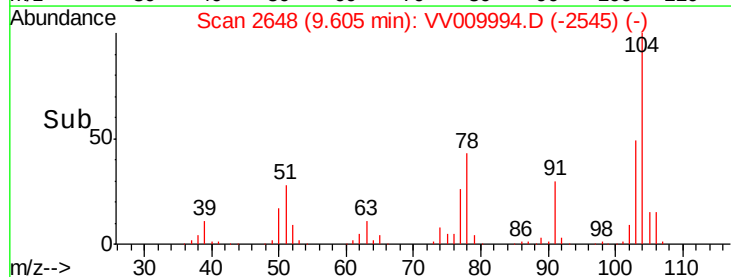
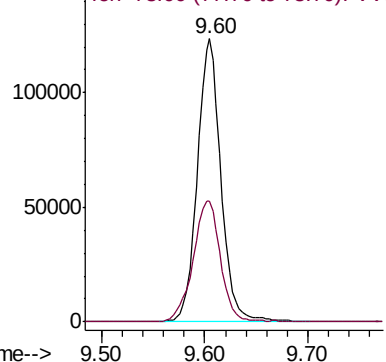


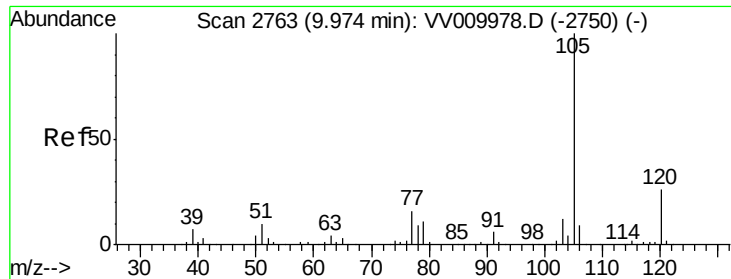
#56
Styrene
Concen: 23.156 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009994.D
Acq: 29 Mar 2019 04:52

Tgt Ion:104 Resp: 196551
Ion Ratio Lower Upper
104 100
78 42.6 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: 20.893 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD02571

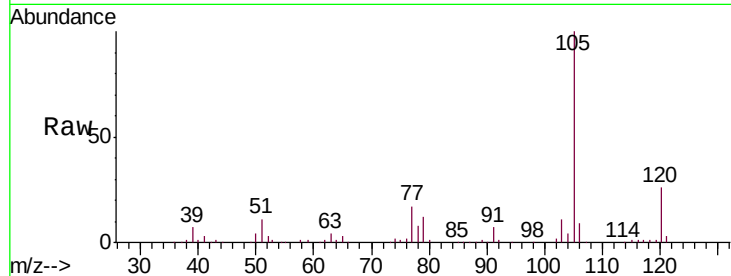
Tgt Ion: 105 Resp: 267849

Ion Ratio Lower Upper

105 100

120 26.8 20.8 31.2

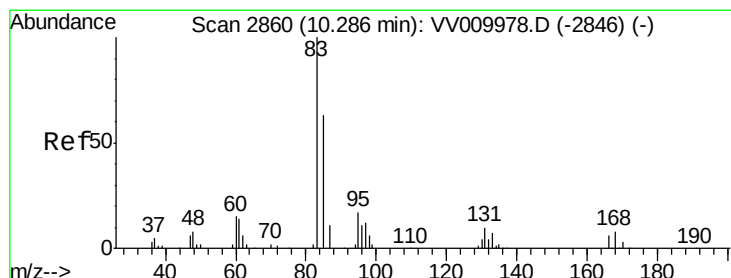
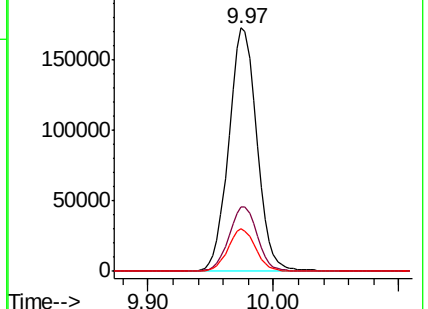
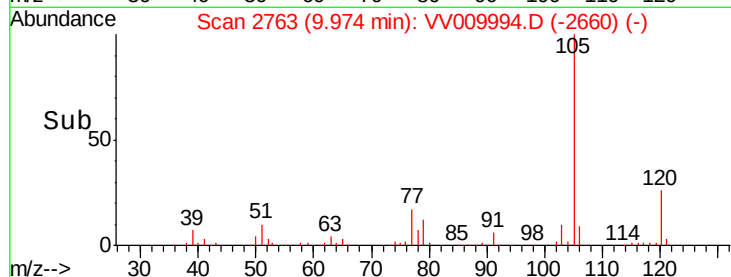
77 17.1 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): VV009994.D (-2660) (-)

Ion 120.00 (119.70 to 120.70): VV009994.D (-2660) (-)

Ion 77.00 (76.70 to 77.70): VV009994.D (-2660) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 23.744 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

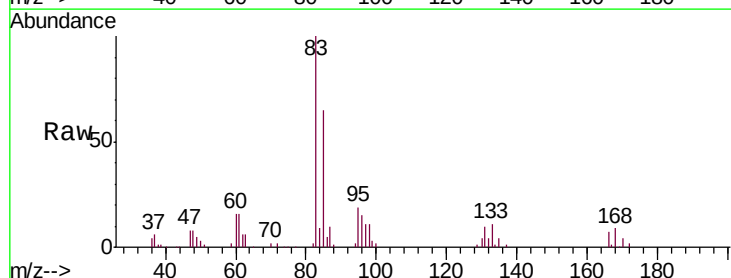
Tgt Ion: 83 Resp: 70505

Ion Ratio Lower Upper

83 100

85 65.2 45.8 85.0

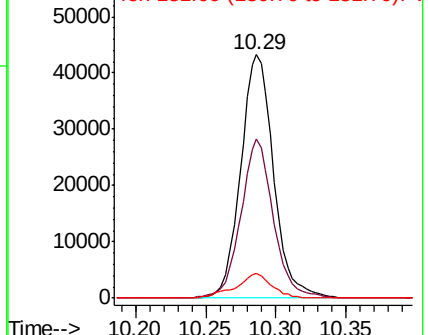
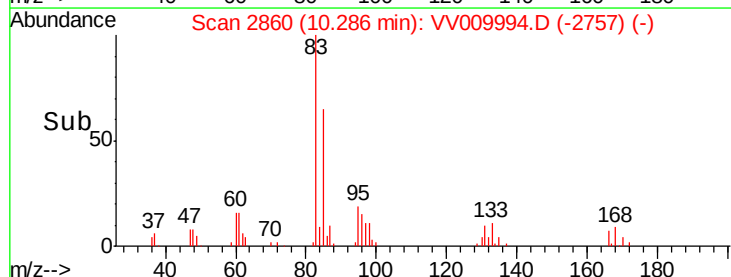
131 10.1 6.2 9.4#

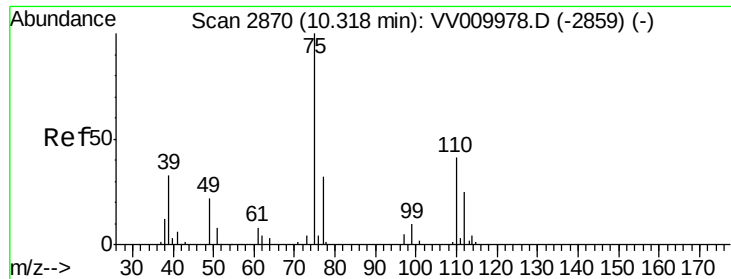


Abundance Ion 83.00 (82.70 to 83.70): VV009994.D (-2757) (-)

Ion 85.00 (84.70 to 85.70): VV009994.D (-2757) (-)

Ion 131.00 (130.70 to 131.70): VV009994.D (-2757) (-)





#59

1,2,3-Trichloropropane

Concen: 23.174 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampled :

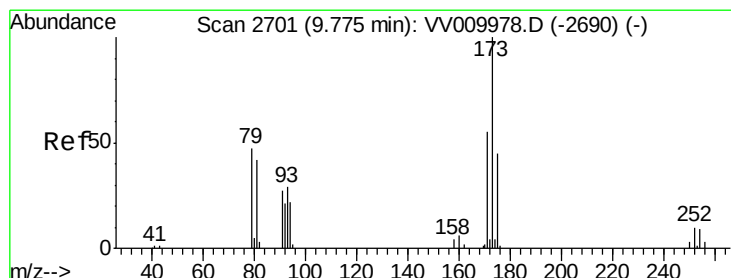
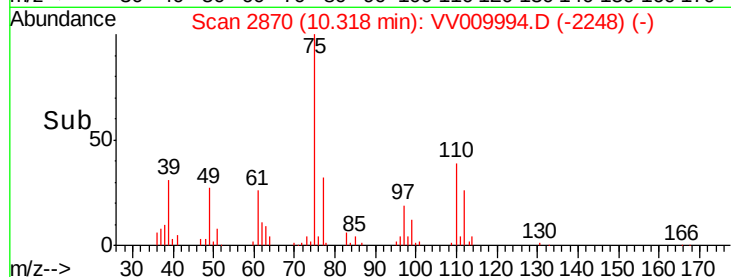
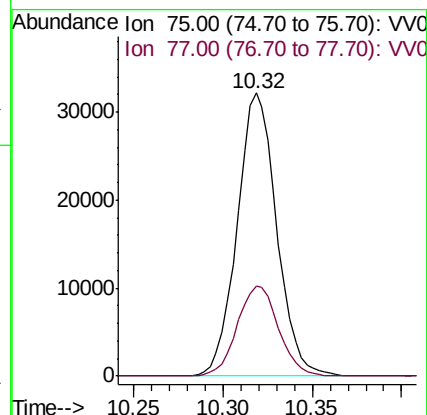
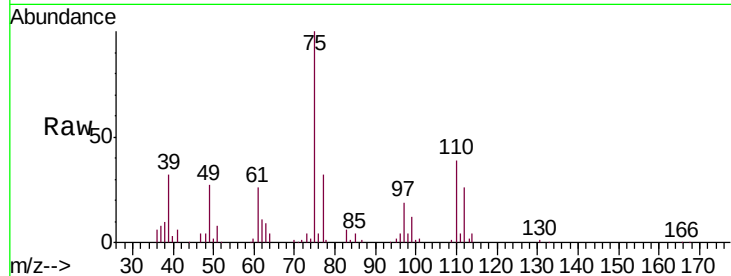
VSTD02571

Tgt Ion: 75 Resp: 49663

Ion Ratio Lower Upper

75 100

77 33.3 26.2 39.2



#62

Bromoform

Concen: 26.008 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

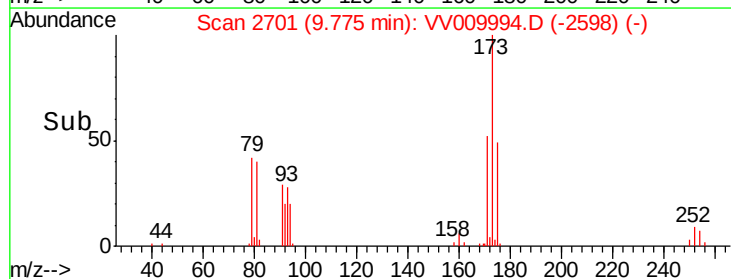
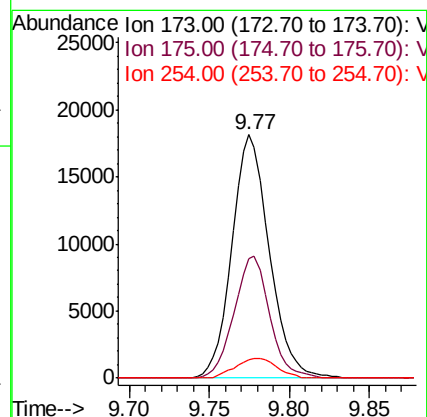
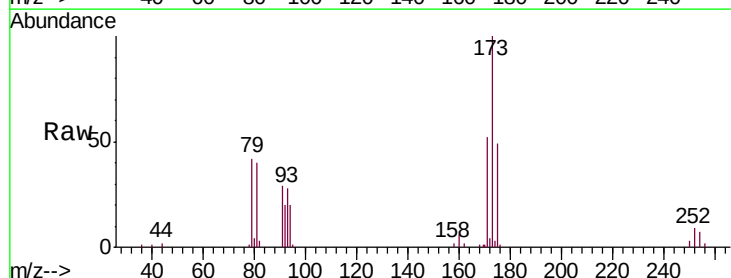
Tgt Ion: 173 Resp: 28819

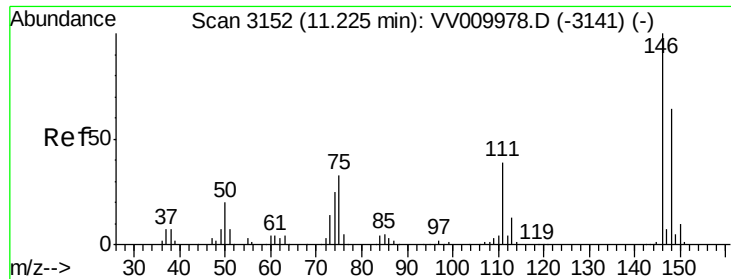
Ion Ratio Lower Upper

173 100

175 47.6 37.8 56.8

254 8.9 6.6 9.8

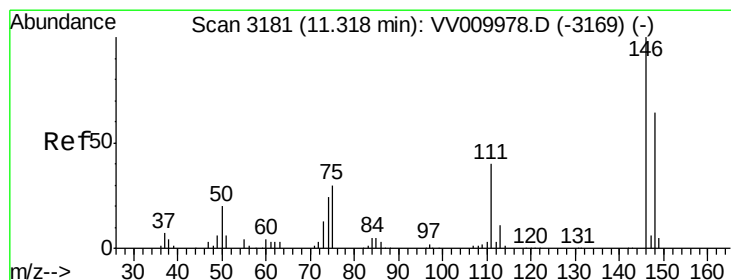
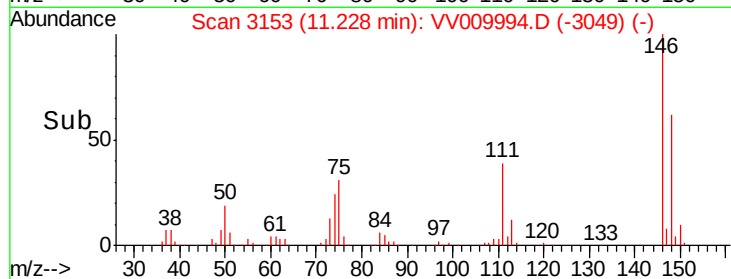
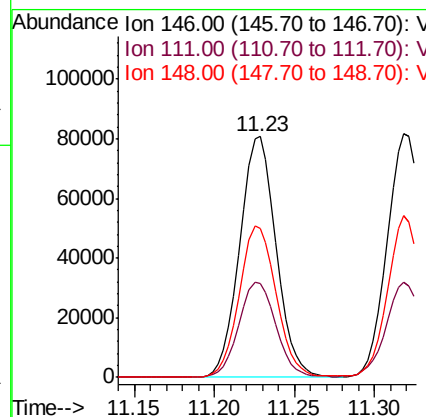
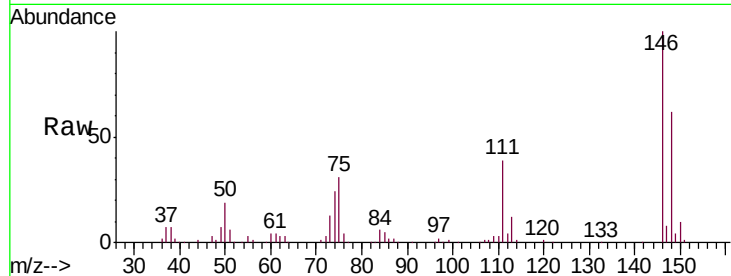




#63
 1,3-Dichlorobenzene
 Concen: 23.457 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

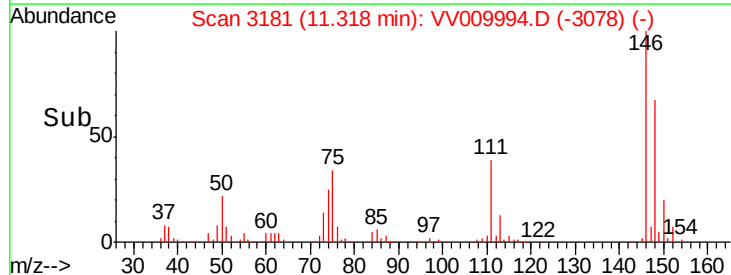
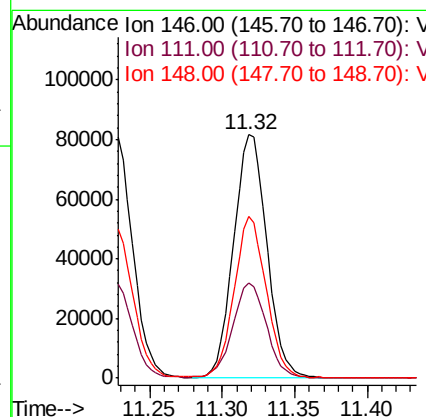
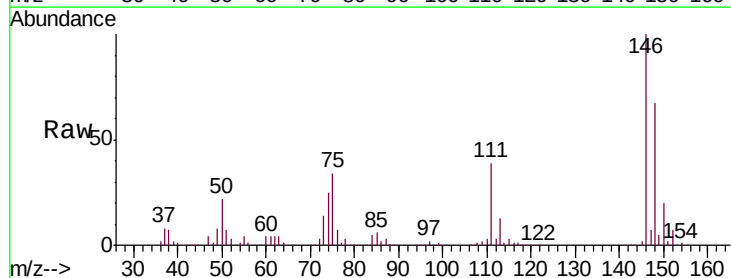
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

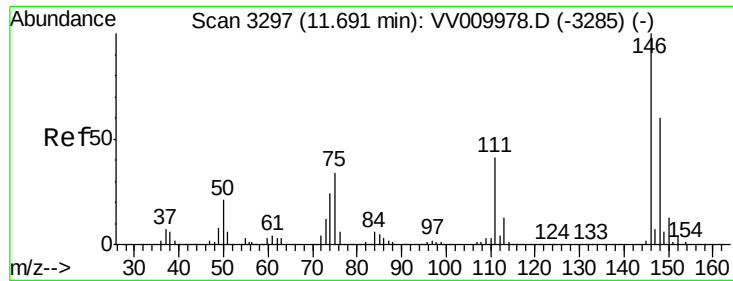
Tgt Ion:146 Resp: 124986
 Ion Ratio Lower Upper
 146 100
 111 38.7 28.5 52.9
 148 61.9 45.0 83.6



#64
 1,4-Dichlorobenzene
 Concen: 22.485 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

Tgt Ion:146 Resp: 130204
 Ion Ratio Lower Upper
 146 100
 111 39.0 25.4 47.2
 148 66.6 44.1 81.9

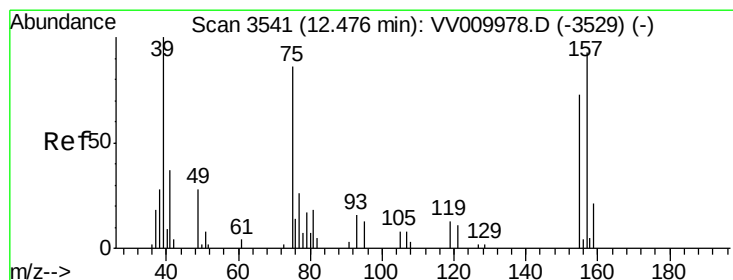
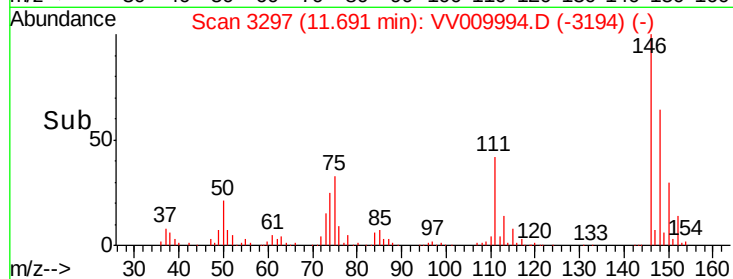
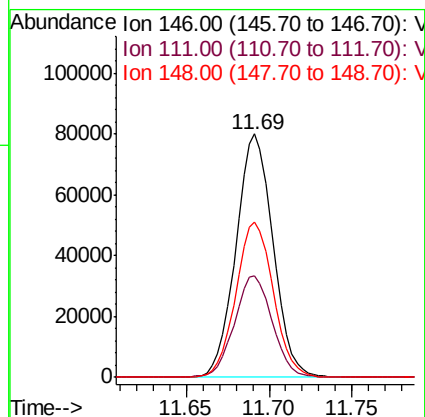
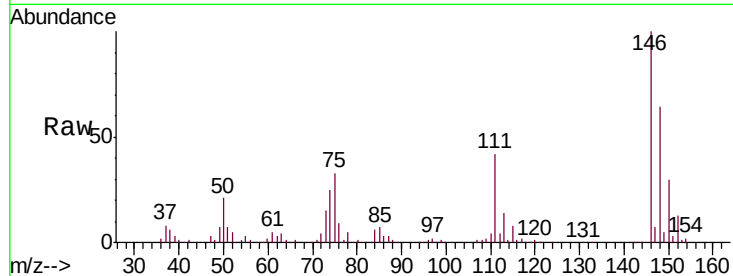




#65
 1,2-Dichlorobenzene
 Concen: 23.644 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

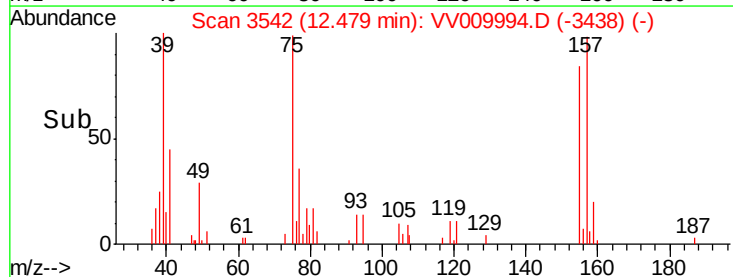
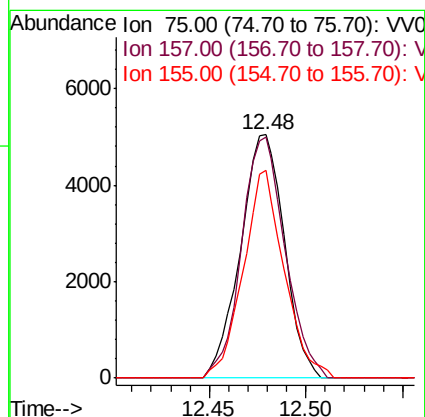
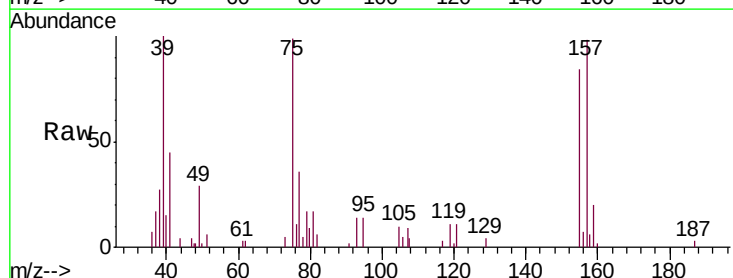
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

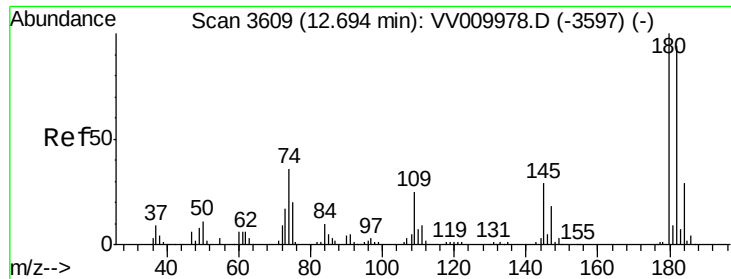
Tgt Ion: 146 Resp: 124336
 Ion Ratio Lower Upper
 146 100
 111 41.9 32.7 49.1
 148 63.7 50.5 75.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 24.176 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

Tgt Ion: 75 Resp: 7946
 Ion Ratio Lower Upper
 75 100
 157 98.8 89.2 133.8
 155 85.1 68.6 102.8

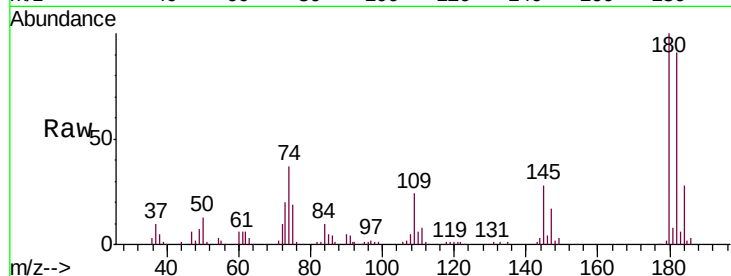




#67
 1,3,5-Trichlorobenzene
 Concen: 21.905 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02571

Tgt Ion:	180	Resp:	82891
Ion	Ratio	Lower	Upper
180	100		
182	93.6	78.4	117.6
184	29.0	24.3	36.5
145	28.6	24.9	37.3



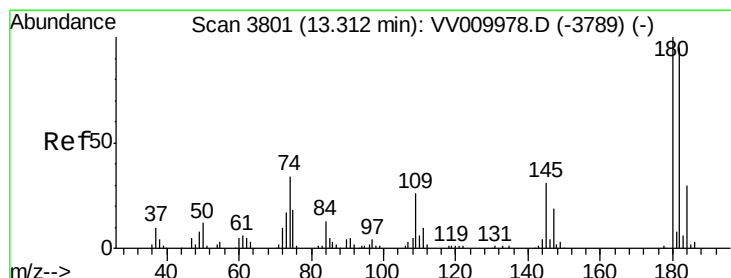
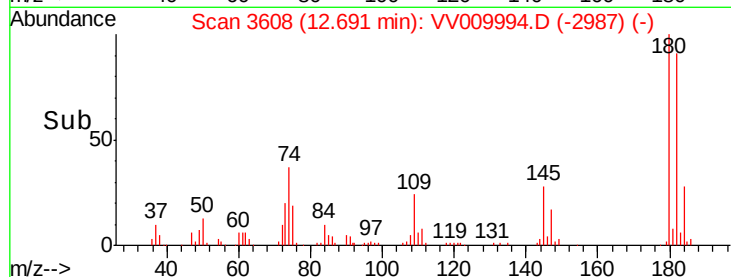
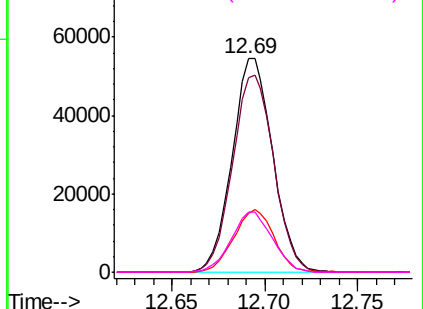
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

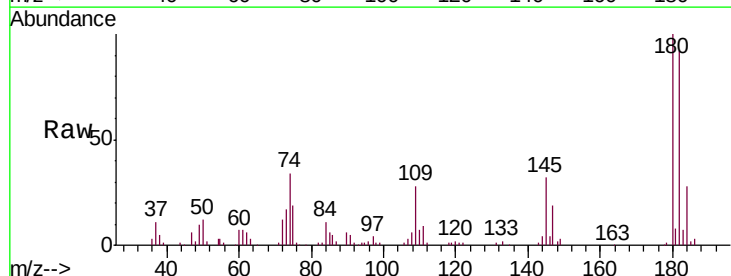
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 21.435 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009994.D
 Acq: 29 Mar 2019 04:52

Tgt Ion:	180	Resp:	59834
Ion	Ratio	Lower	Upper
180	100		
182	92.4	75.5	113.3
145	33.0	23.2	34.8

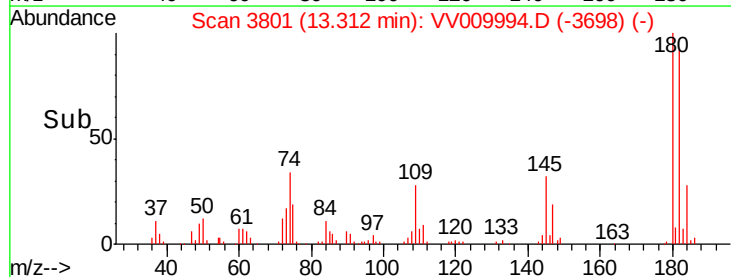
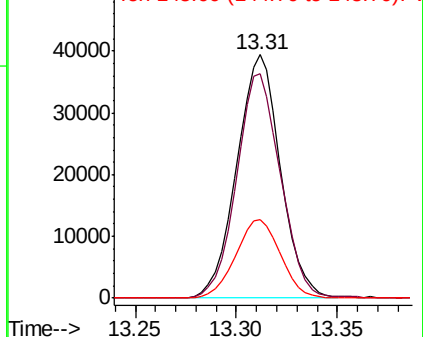


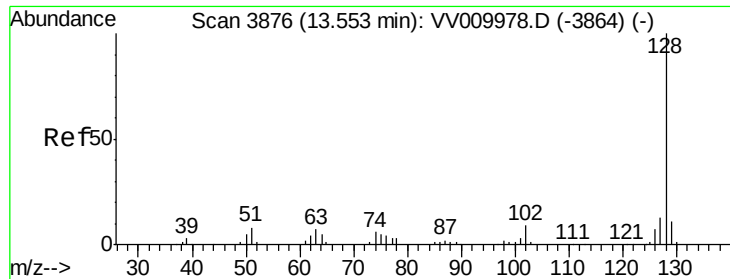
Abundance

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: 21.797 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD02571

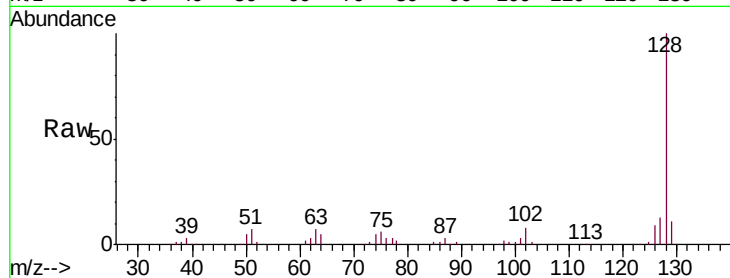
Tgt Ion:128 Resp: 101139

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

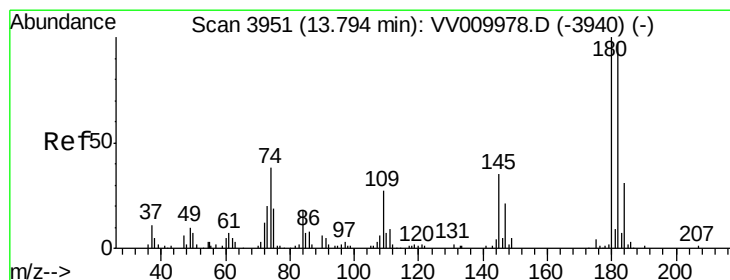
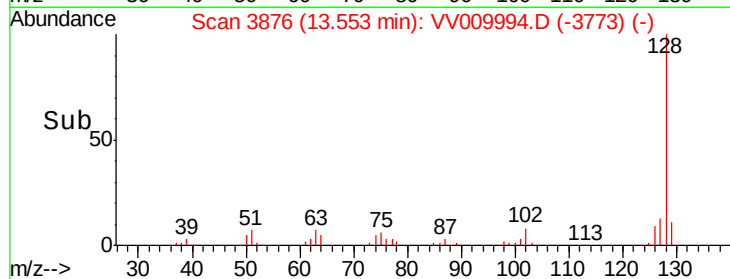
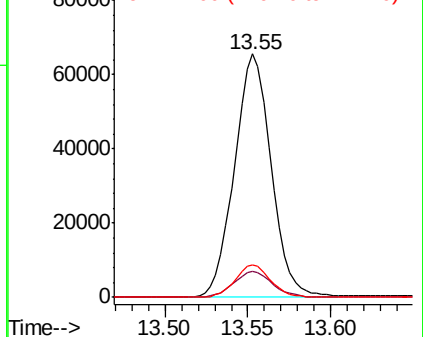
127 12.8 11.4 17.2



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: 22.034 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009994.D

Acq: 29 Mar 2019 04:52

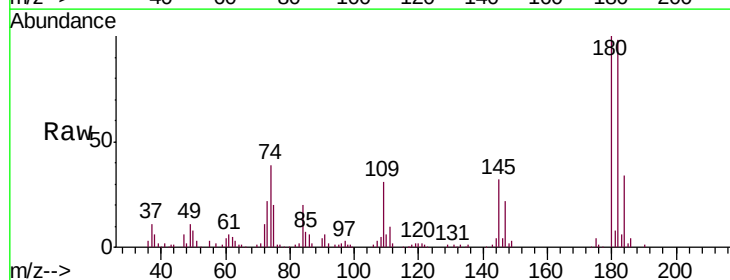
Tgt Ion:180 Resp: 58482

Ion Ratio Lower Upper

180 100

182 96.5 77.1 115.7

145 32.5 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

