

Data File : VV011024.D
Acq On : 22 May 2019 17:59
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

Quant Time: May 23 08:05:45 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM052019S.M
Quant Title : VOC Analysis
QLast Update : Thu May 23 08:00:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	137316	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	138542	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	67558	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	35374	22.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.40%
7) Chloroethane-d5	1.57	69	24937	23.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.12%
10) 1,1-Dichloroethene-d2	2.12	63	70459	23.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.64%
20) 2-Butanone-d5	3.94	46	25755	47.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.36%
24) Chloroform-d	4.40	84	75540	21.24	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	84.96%
26) 1,2-Dichloroethane-d4	5.08	65	50117	23.91	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.64%
29) Benzene-d6	5.09	84	188939	24.98	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	99.92%
33) 1,2-Dichloropropane-d6	6.12	67	58663	24.41	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.64%
37) Toluene-d8	7.36	98	178331	25.36	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.44%
38) trans-1,3-Dichloropropene-	7.66	79	23045	23.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.40%
39) 2-Hexanone-d5	8.13	63	19837	44.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	55843	23.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.08%
61) 1,2-Dichlorobenzene-d4	11.67	152	67752	24.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	45445	22.417	ug/L	98
3) Chloromethane	1.25	50	40536	22.075	ug/L	100
5) Vinyl chloride	1.32	62	42100	22.827	ug/L	99
6) Bromomethane	1.51	94	19117	29.728	ug/L	99
8) Chloroethane	1.59	64	20384	22.088	ug/L	95
9) Trichlorofluoromethane	1.76	101	68737	23.384	ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	39881	23.792	ug/L	97
12) 1,1-Dichloroethene	2.13	96	34338	23.697	ug/L	97
13) Acetone	2.19	43	22370	42.944	ug/L	97
14) Carbon disulfide	2.31	76	87171	21.482	ug/L	99
15) Methyl Acetate	2.46	43	19973	19.956	ug/L	98
16) Methylene chloride	2.53	84	51795	21.979	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	117974	23.009	ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	47917	23.970	ug/L	97
19) 1,1-Dichloroethane	3.22	63	87368	24.003	ug/L	96
21) 2-Butanone	4.02	43	29068	40.777	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	52188	23.447	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	24921	23.626	ug/L	97
25) Chloroform	4.42	83	110560	26.844	ug/L	99
27) 1,2-Dichloroethane	5.18	62	58584	23.139	ug/L	99
30) Cyclohexane	4.72	56	68539	23.808	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	77263	24.792	ug/L	99
32) Carbon tetrachloride	4.87	117	68992	24.276	ug/L	99
34) Benzene	5.14	78	194436	24.346	ug/L	100
35) Trichloroethene	5.96	95	53072	24.051	ug/L	98
36) Methylcyclohexane	6.17	83	82286	25.224	ug/L	98
40) 1,2-Dichloropropane	6.22	63	50680	24.146	ug/L	99
41) Bromodichloromethane	6.55	83	65862	23.477	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	75795	24.261	ug/L	100
43) 4-Methyl-2-pentanone	7.27	43	68431	45.482	ug/L	97
44) Toluene	7.43	91	223160	25.179	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	60961	23.164	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	43094	24.095	ug/L	98
47) Tetrachloroethene	8.02	164	41279	23.965	ug/L	96
49) 2-Hexanone	8.18	43	44405	40.422	ug/L	99
50) Dibromochloromethane	8.29	129	48872	23.216	ug/L	96
51) 1,2-Dibromoethane	8.40	107	39664	22.933	ug/L	99
52) Chlorobenzene	8.92	112	145394	23.934	ug/L	99
53) Ethylbenzene	9.05	91	242664	25.128	ug/L	99
54) m,p-Xylene	9.18	106	95481	25.368	ug/L	97
55) o-xylene	9.59	106	92863	25.860	ug/L	98
56) Styrene	9.60	104	162437	26.247	ug/L	100
57) Isopropylbenzene	9.97	105	244590	25.819	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	52827	22.432	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	38556	22.288	ug/L	99
62) Bromoform	9.77	173	26101	21.764	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	111488	24.195	ug/L	100
64) 1,4-Dichlorobenzene	11.32	146	116830	24.619	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	109510	24.510	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	7509	21.156	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	83764	24.781	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	65119	24.375	ug/L	99
69) Naphthalene	13.55	128	119243	22.265	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	62360	23.909	ug/L	100

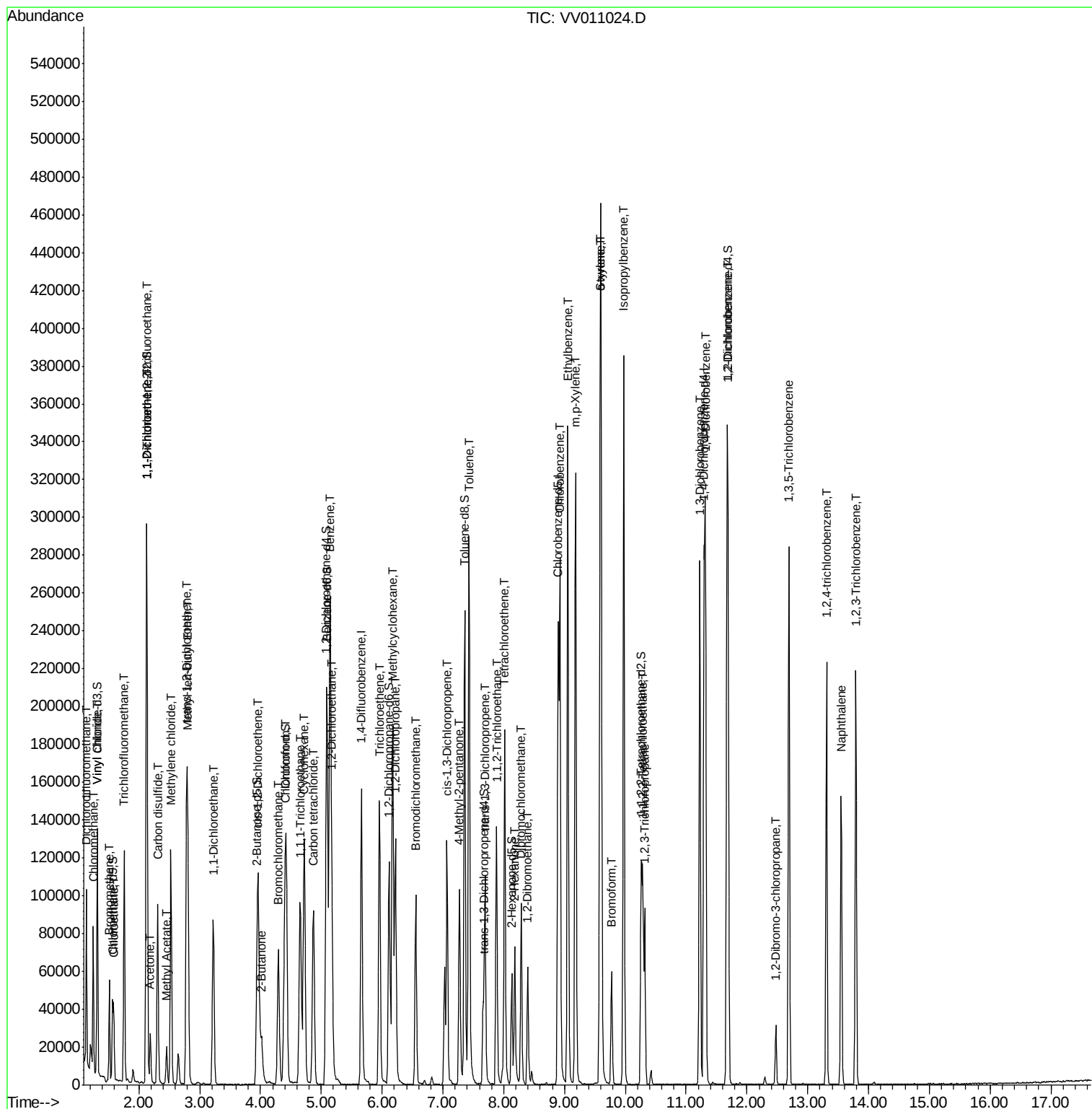
(#) = qualifier out of range (m) = manual integration (+) = signals summed

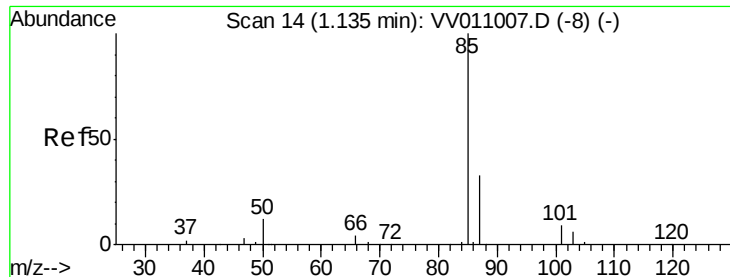
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#2

Dichlorodifluoromethane

Concen: 22.417 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

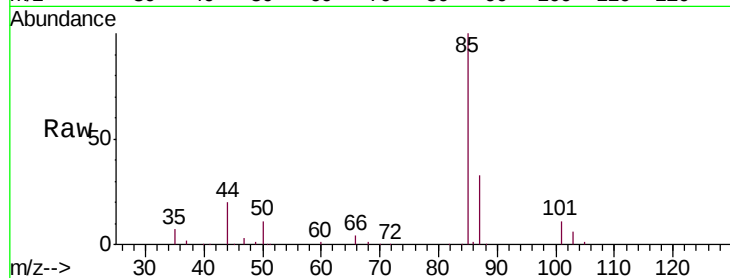
VSTD02570

Tgt Ion: 85 Resp: 45445

Ion Ratio Lower Upper

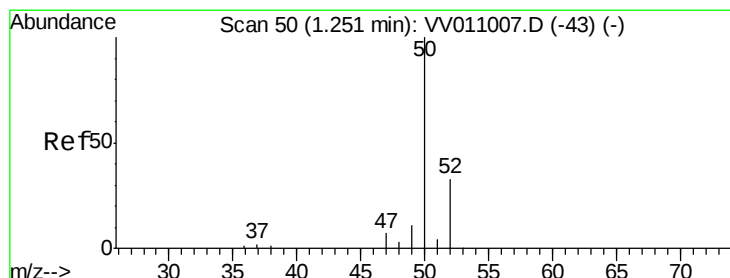
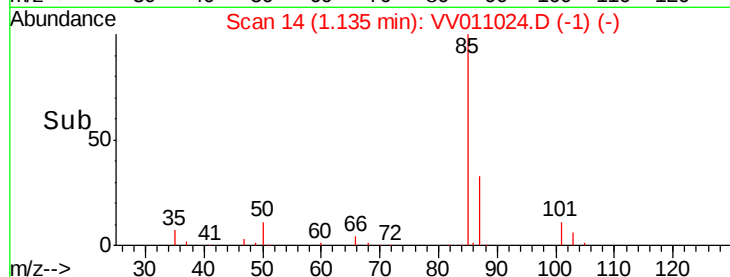
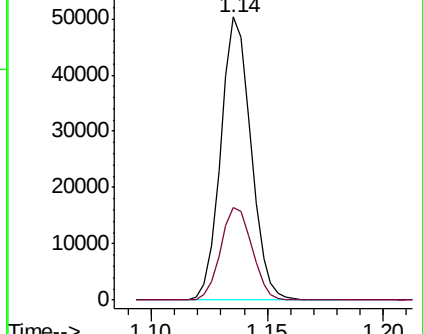
85 100

87 34.1 23.2 43.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 22.075 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011024.D

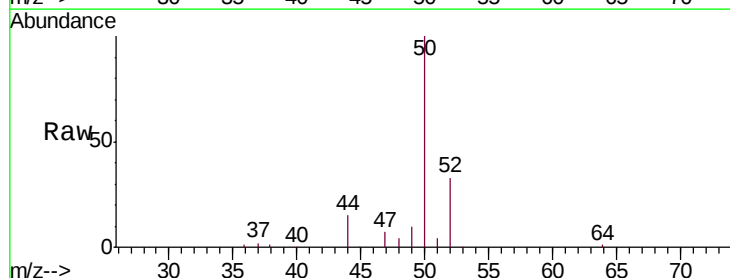
Acq: 22 May 2019 17:59

Tgt Ion: 50 Resp: 40536

Ion Ratio Lower Upper

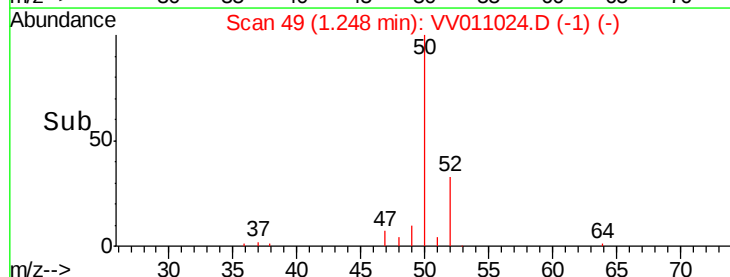
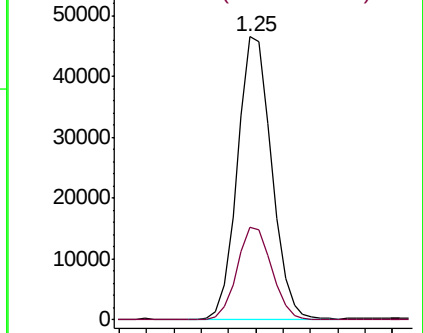
50 100

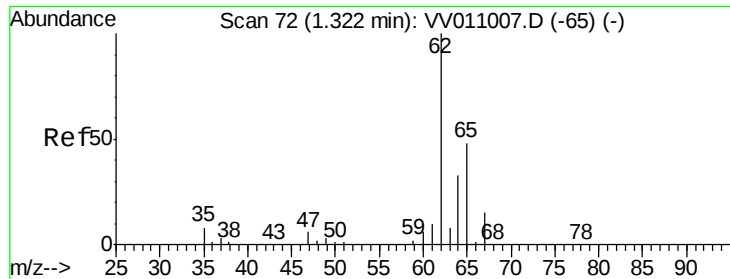
52 32.7 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 22.827 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

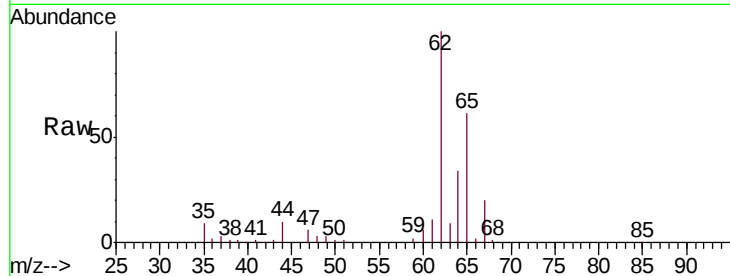
VSTD02570

Tgt Ion: 62 Resp: 42100

Ion Ratio Lower Upper

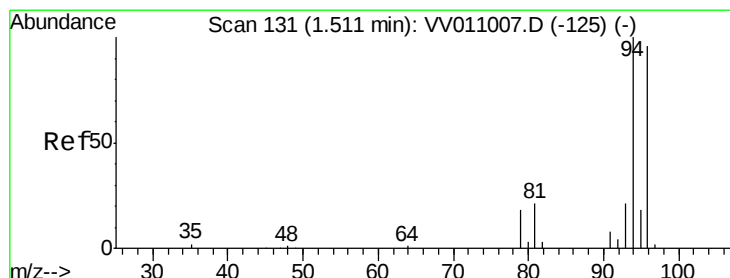
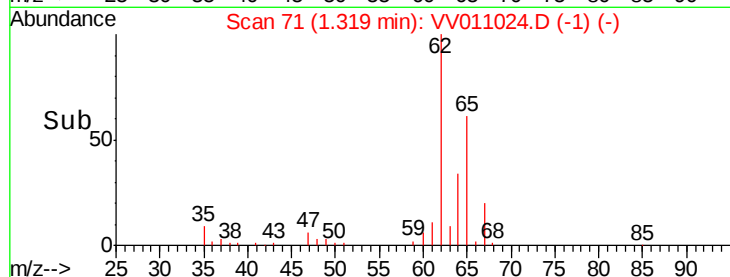
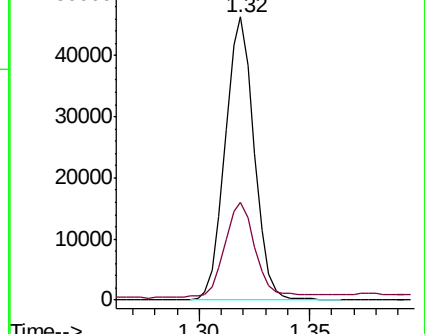
62 100

64 34.5 24.5 45.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 29.728 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV011024.D

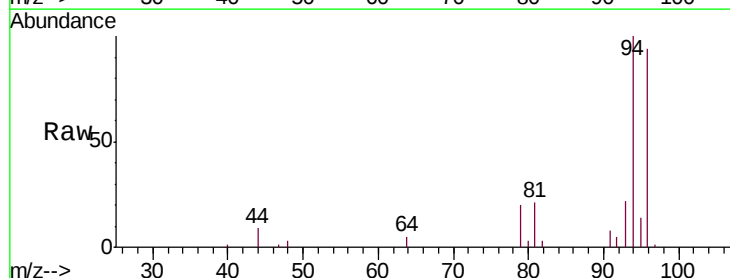
Acq: 22 May 2019 17:59

Tgt Ion: 94 Resp: 19117

Ion Ratio Lower Upper

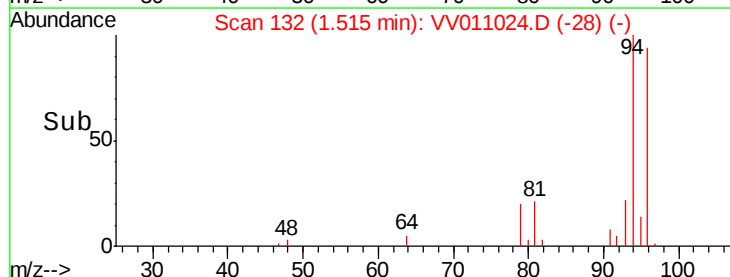
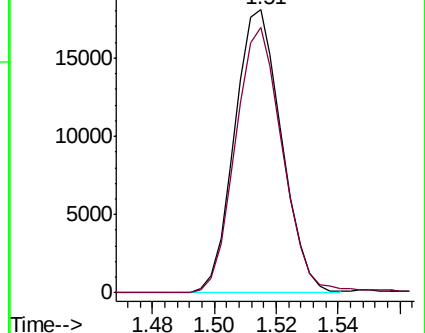
94 100

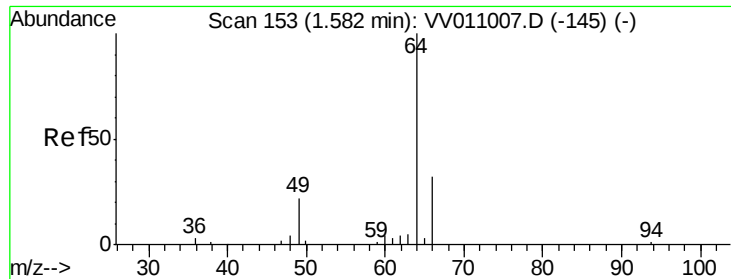
96 94.2 9.3 177.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 22.088 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

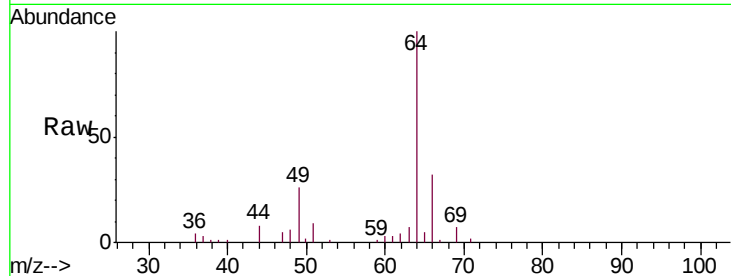
VSTD02570

Tgt Ion: 64 Resp: 20384

Ion Ratio Lower Upper

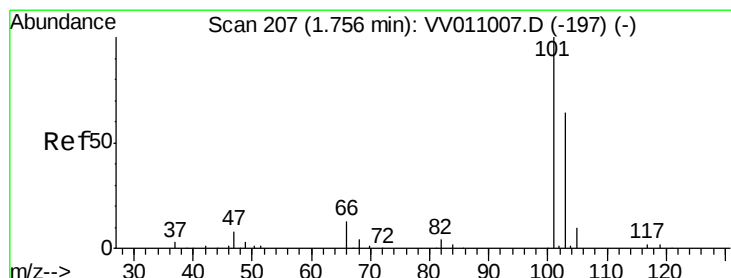
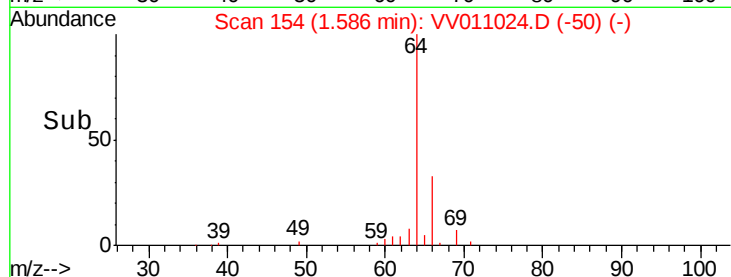
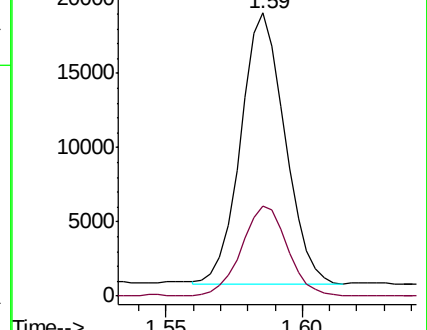
64 100

66 31.6 20.4 37.8



Abundance Ion 64.00 (63.70 to 64.70): VV011007.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV011007.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 23.384 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV011024.D

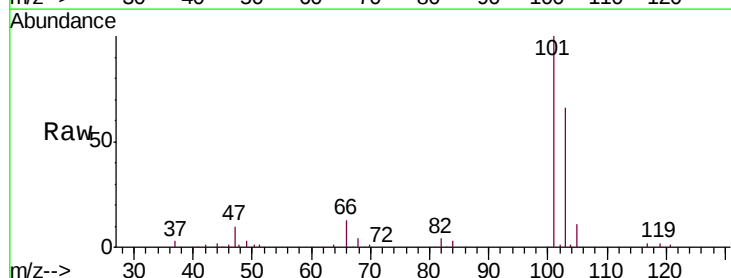
Acq: 22 May 2019 17:59

Tgt Ion: 101 Resp: 68737

Ion Ratio Lower Upper

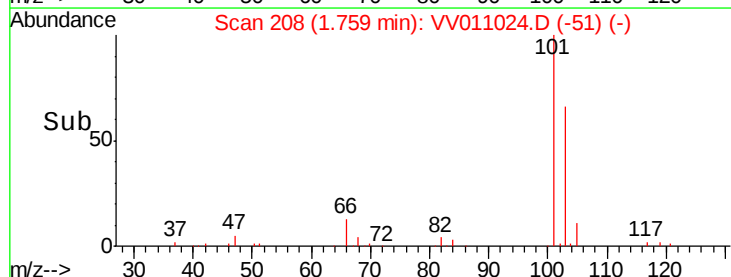
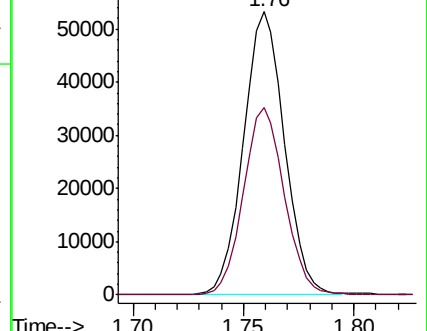
101 100

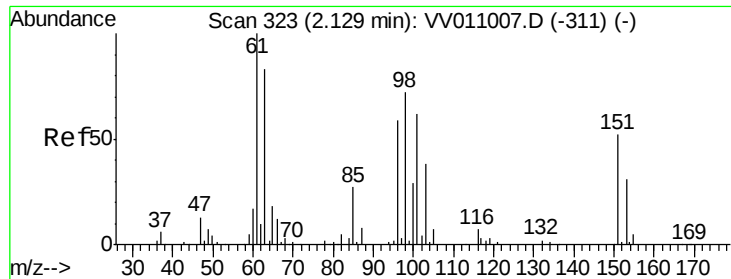
103 65.9 44.7 82.9



Abundance Ion 101.00 (100.70 to 101.70): VV011007.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV011007.D (-197) (-)





#11

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

Concen: 23.792 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV011024.D

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ClientSampleId :

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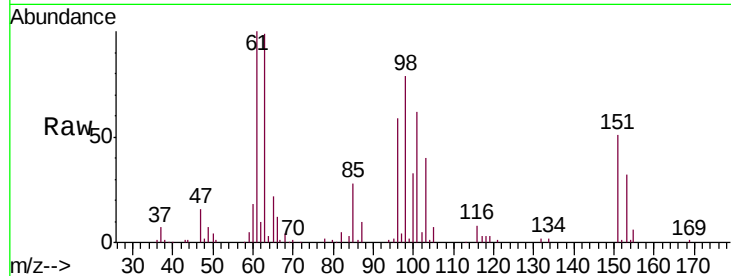
Tgt Ion:101 Resp: 39881

Ion Ratio Lower Upper

101 100

85 44.3 33.9 50.9

151 83.4 64.7 97.1



Abundance Ion 101.00 (100.70 to 101.70): VV011007.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV011007.D (-311) (-)

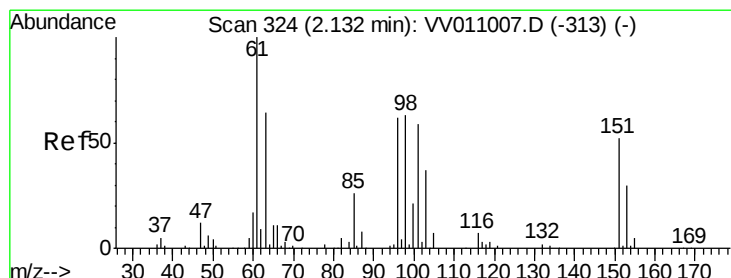
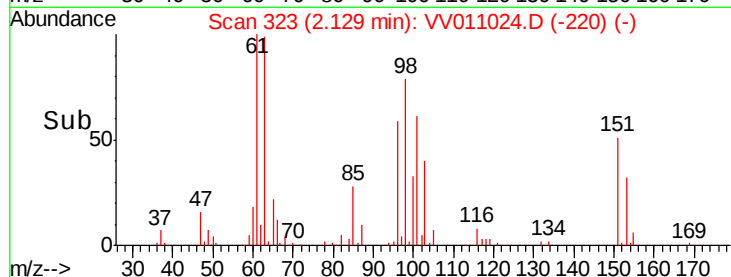
Ion 151.00 (150.70 to 151.70): VV011007.D (-311) (-)

Time-->

2.13

2.15

2.20



#12

1,1-Dichloroethene

Concen: 23.697 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

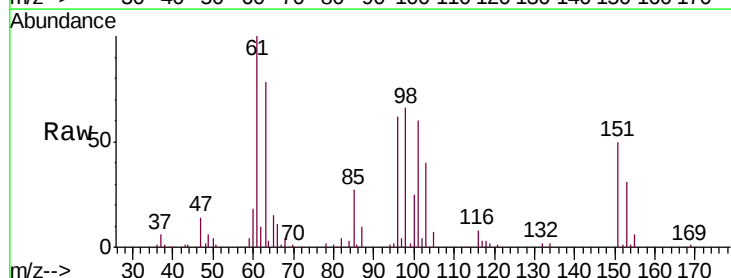
Tgt Ion: 96 Resp: 34338

Ion Ratio Lower Upper

96 100

61 162.1 117.8 218.8

63 125.9 87.1 161.7



Abundance Ion 96.00 (95.70 to 96.70): VV011007.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV011007.D (-313) (-)

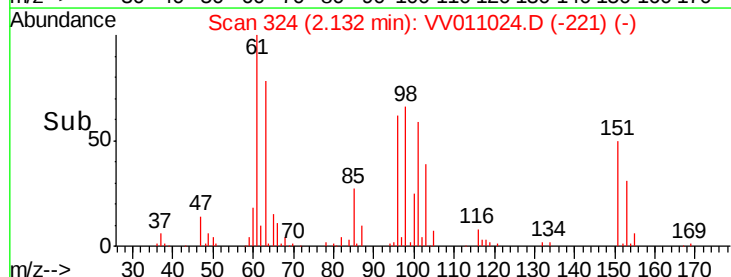
Ion 63.00 (62.70 to 63.70): VV011007.D (-313) (-)

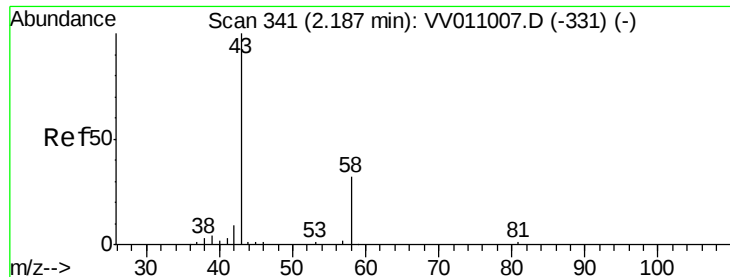
Time-->

2.13

2.15

2.20





#13

Acetone

Concen: 42.944 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

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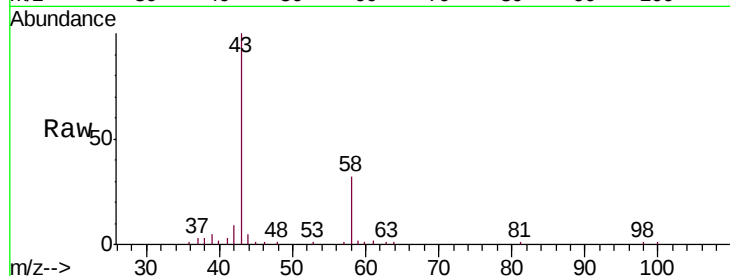
VSTD02570

Tgt Ion: 43 Resp: 22370

Ion Ratio Lower Upper

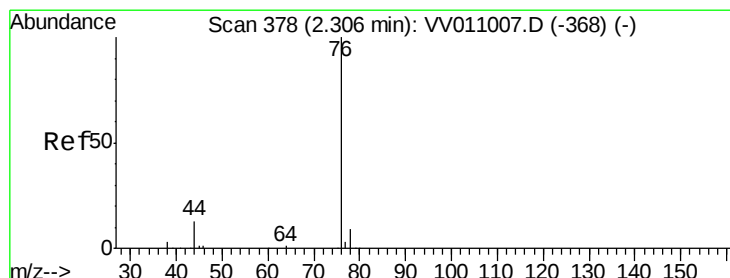
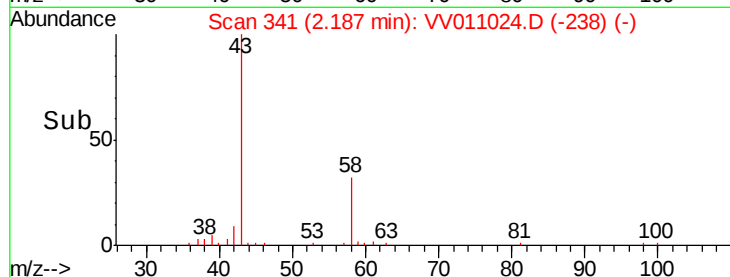
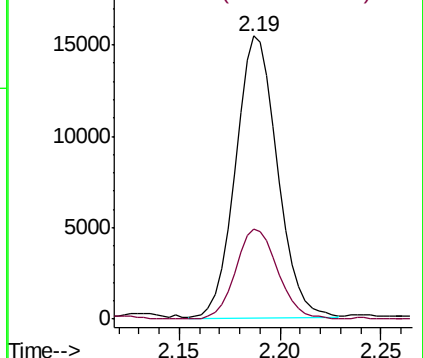
43 100

58 32.1 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV011007.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV011007.D (-331) (-)



#14

Carbon disulfide

Concen: 21.482 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV011024.D

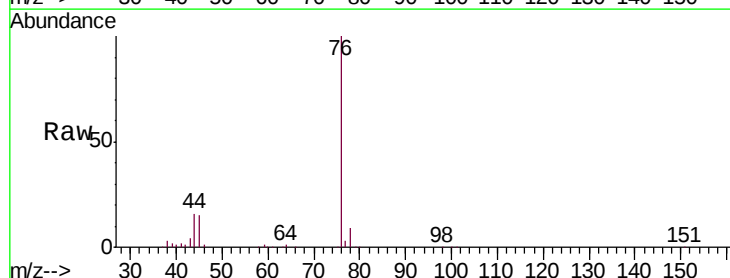
Acq: 22 May 2019 17:59

Tgt Ion: 76 Resp: 87171

Ion Ratio Lower Upper

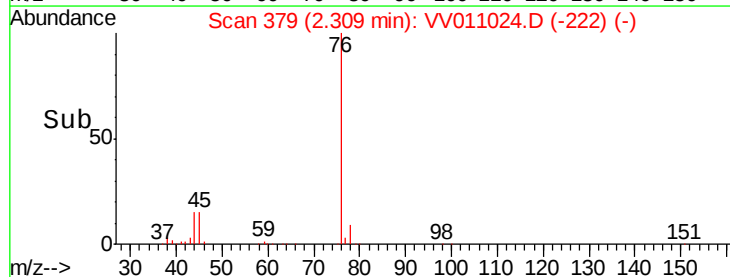
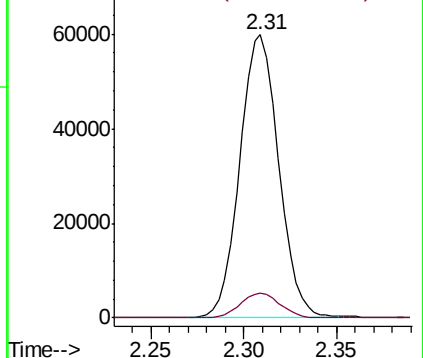
76 100

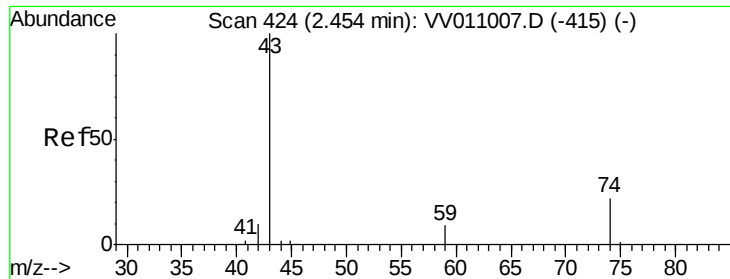
78 8.6 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV011007.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV011007.D (-368) (-)

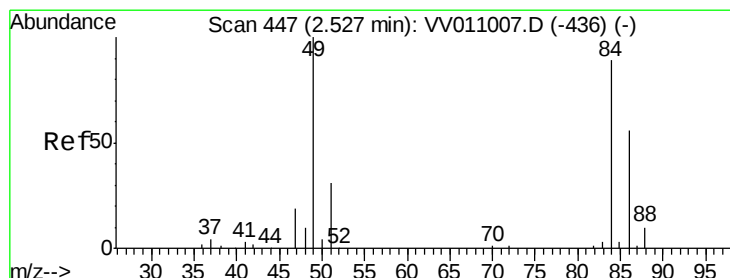
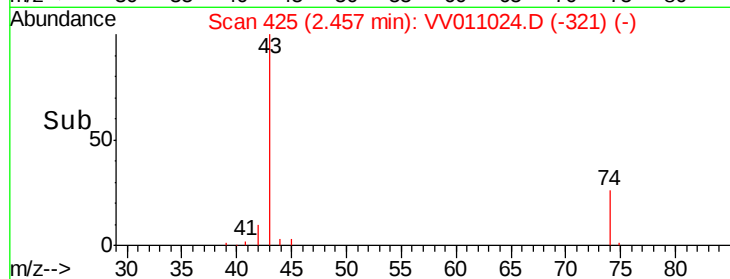
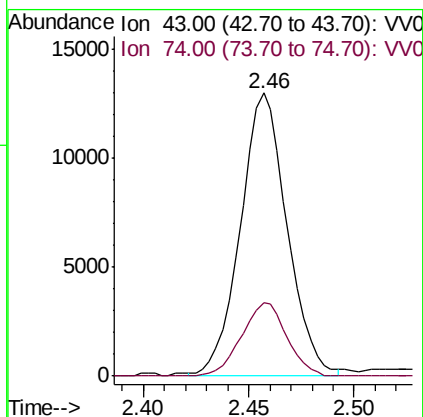
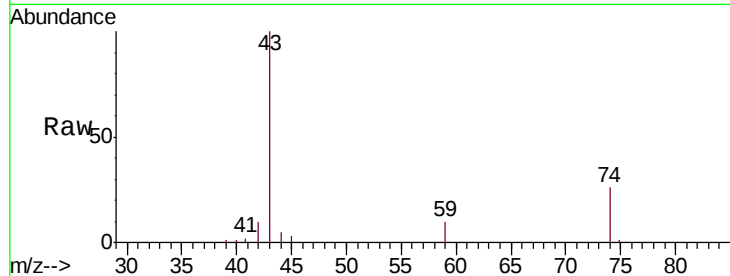




#15
Methyl Acetate
Concen: 19.956 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV011024.D
Acq: 22 May 2019 17:59

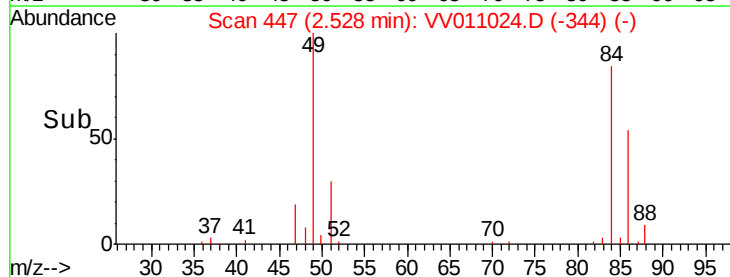
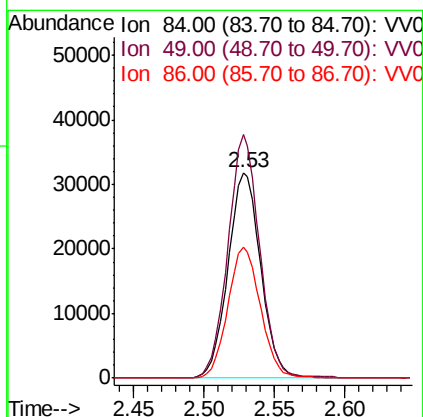
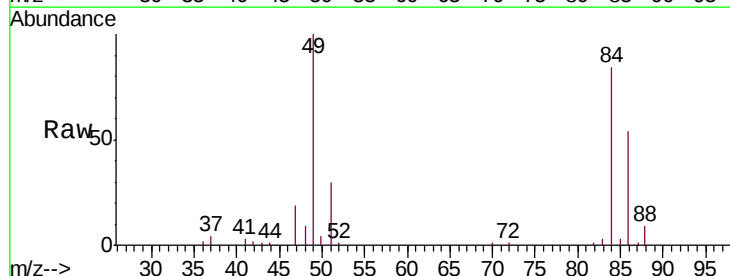
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

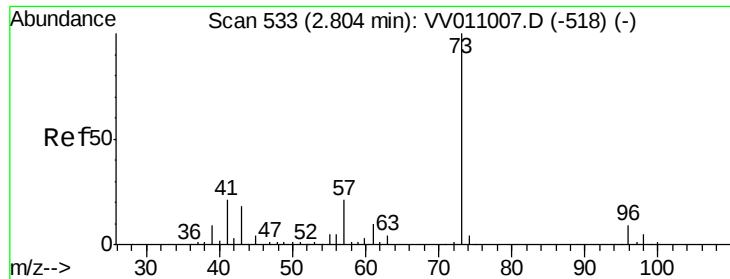
Tgt Ion: 43 Resp: 19973
Ion Ratio Lower Upper
43 100
74 25.3 21.1 31.7



#16
Methylene chloride
Concen: 21.979 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV011024.D
Acq: 22 May 2019 17:59

Tgt Ion: 84 Resp: 51795
Ion Ratio Lower Upper
84 100
49 118.4 77.4 143.8
86 63.7 44.0 81.6



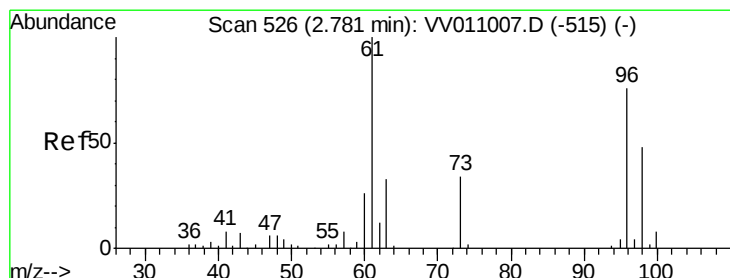
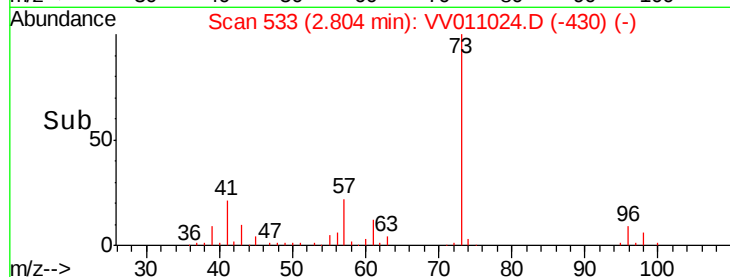
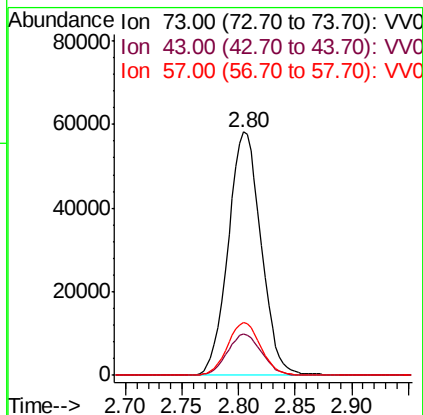
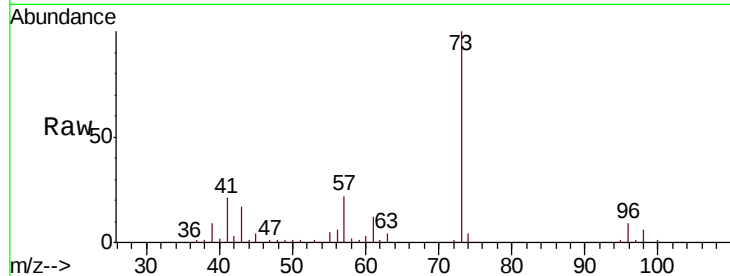


#17

Methyl tert-butyl Ether
 Concen: 23.009 ug/L
 RT: 2.80 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

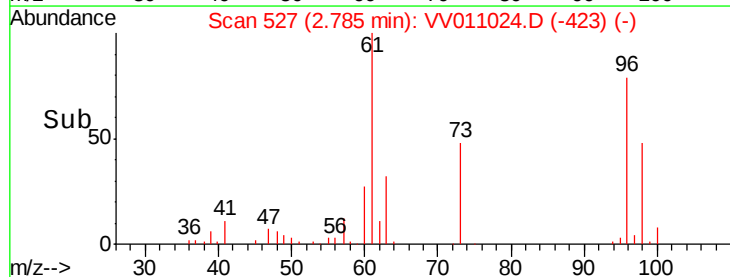
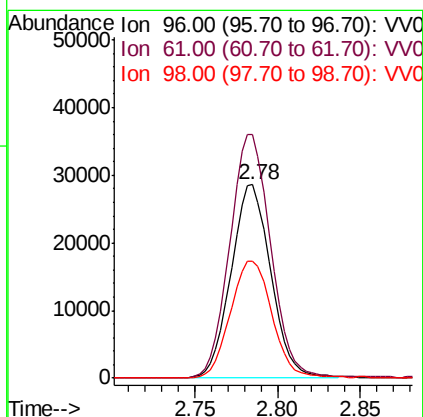
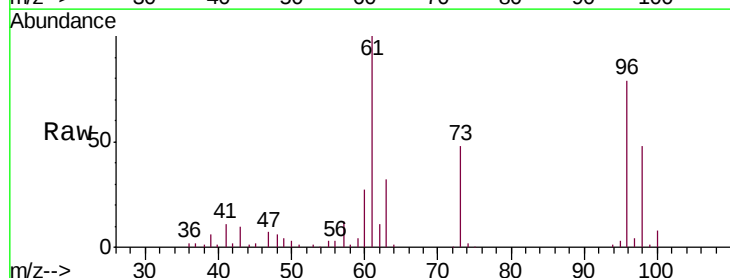
Tgt Ion: 73 Resp: 117974
 Ion Ratio Lower Upper
 73 100
 43 17.7 14.5 21.7
 57 21.9 17.3 25.9

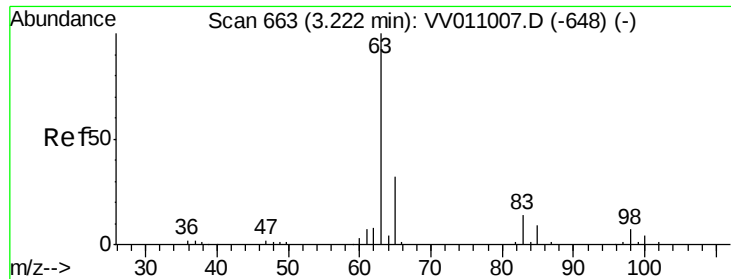


#18

trans-1,2-Dichloroethene
 Concen: 23.970 ug/L
 RT: 2.78 min Scan# 527
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Tgt Ion: 96 Resp: 47917
 Ion Ratio Lower Upper
 96 100
 61 125.8 89.7 166.5
 98 60.8 44.5 82.7

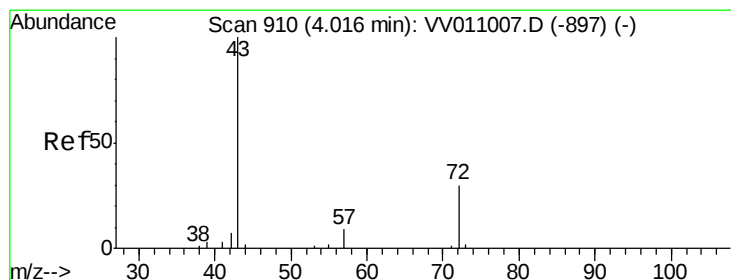
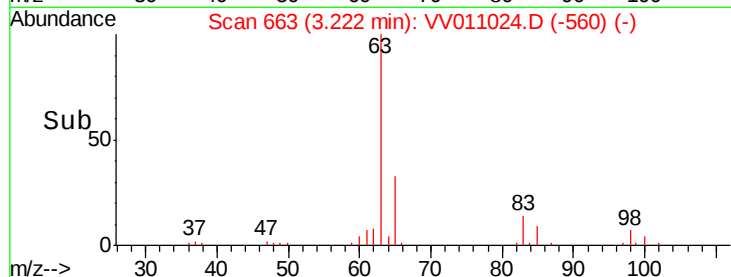
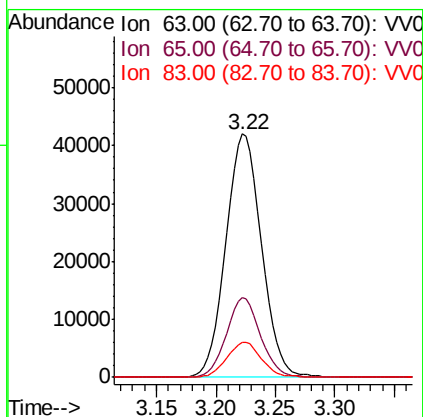
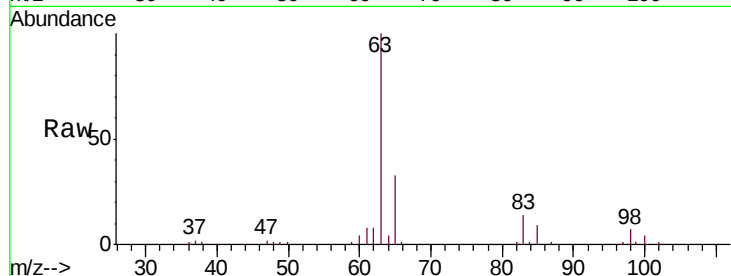




#19
 1,1-Dichloroethane
 Concen: 24.003 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

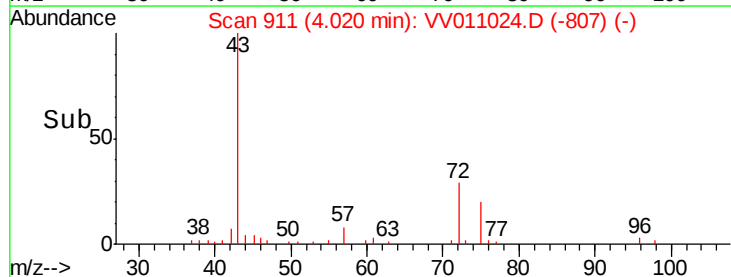
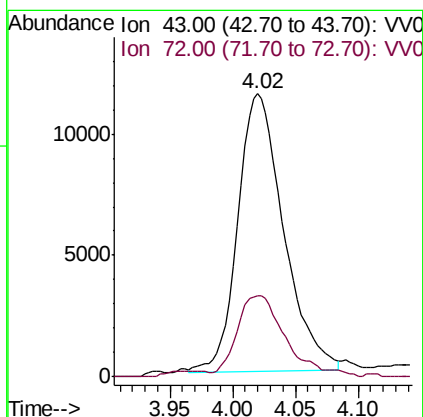
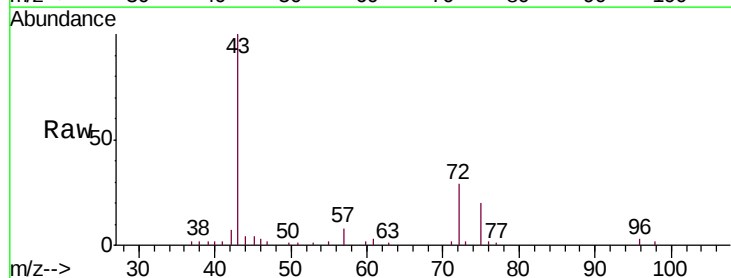
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD02570

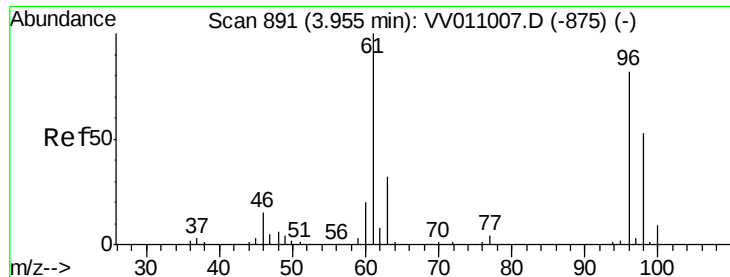
Tgt Ion: 63 Resp: 87368
 Ion Ratio Lower Upper
 63 100
 65 32.6 21.1 39.3
 83 14.3 9.1 16.9



#21
 2-Butanone
 Concen: 40.777 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Tgt Ion: 43 Resp: 29068
 Ion Ratio Lower Upper
 43 100
 72 27.6 13.1 39.3



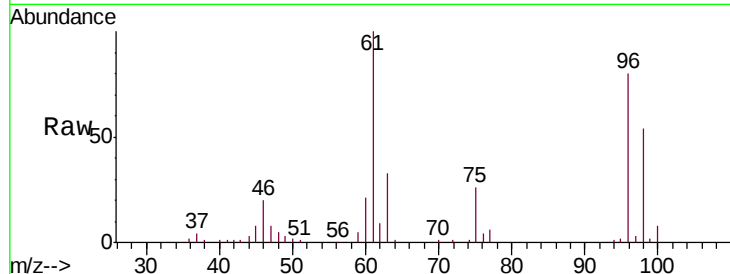


#22

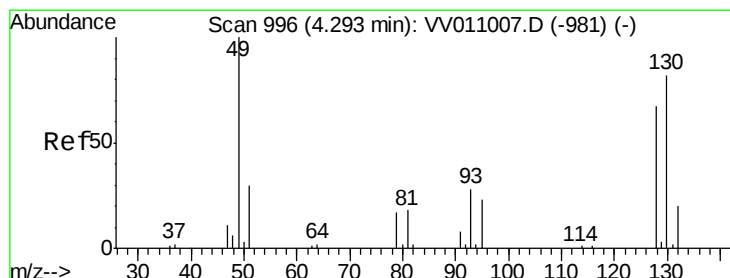
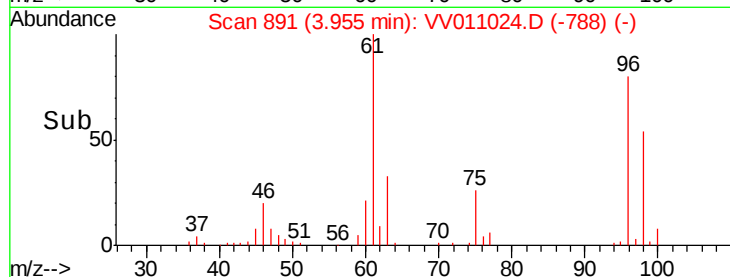
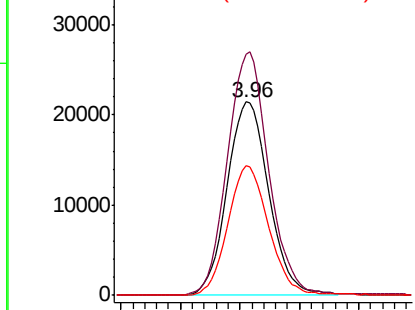
cis-1,2-Dichloroethene
 Concen: 23.447 ug/L
 RT: 3.96 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Tgt Ion: 96 Resp: 52188
 Ion Ratio Lower Upper
 96 100
 61 125.0 85.4 158.6
 98 67.0 45.1 83.7



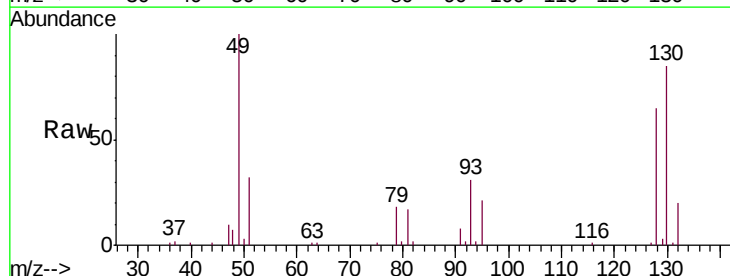
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



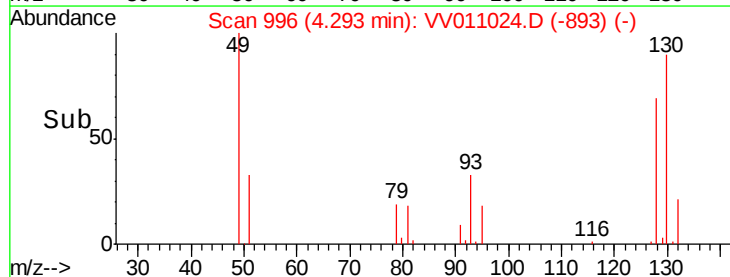
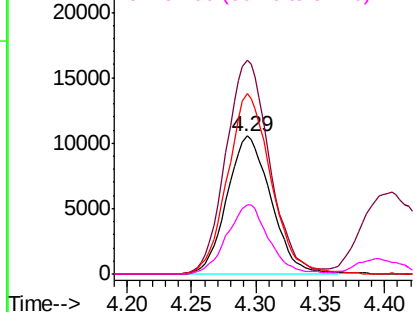
#23

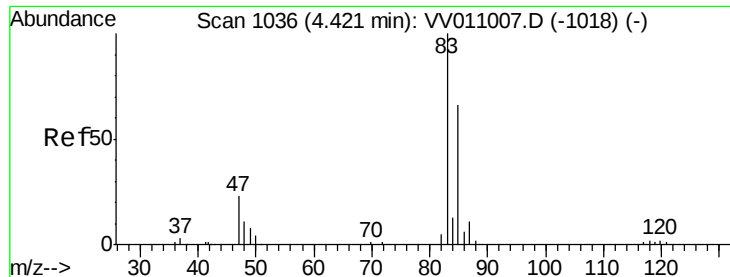
Bromochloromethane
 Concen: 23.626 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Tgt Ion: 128 Resp: 24921
 Ion Ratio Lower Upper
 128 100
 49 154.9 111.6 207.4
 130 131.2 95.5 177.3
 51 50.1 39.8 59.6



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

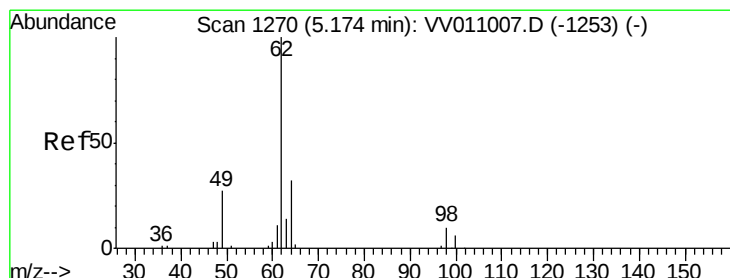
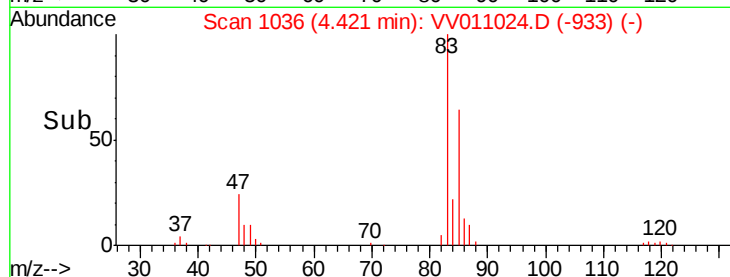
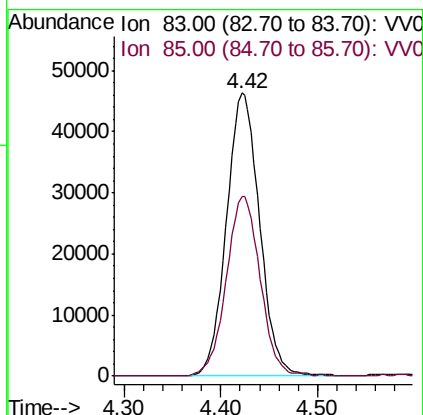
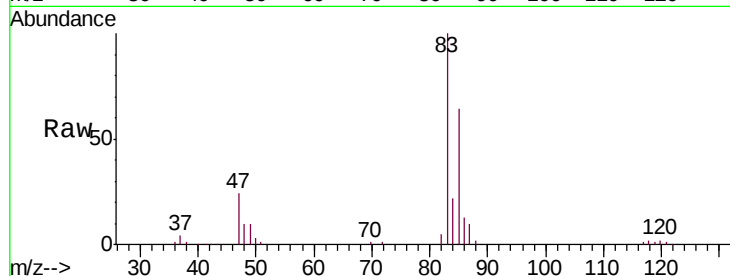




#25
Chloroform
Concen: 26.844 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV011024.D
Acq: 22 May 2019 17:59

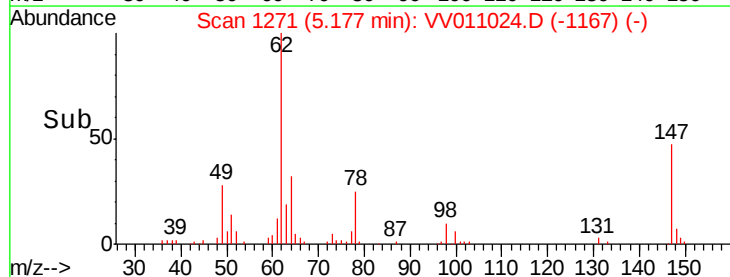
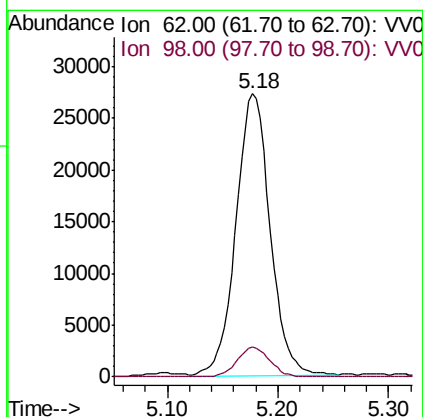
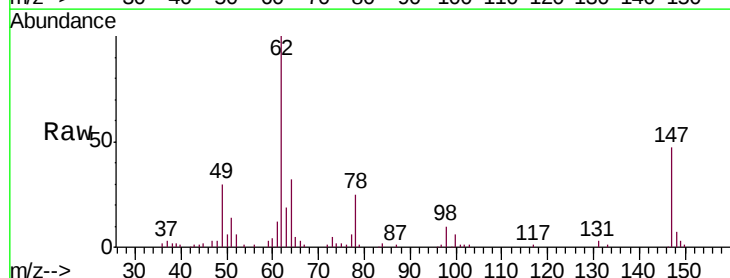
Instrument :
MSVOA_V
ClientSampled :
VSTD02570

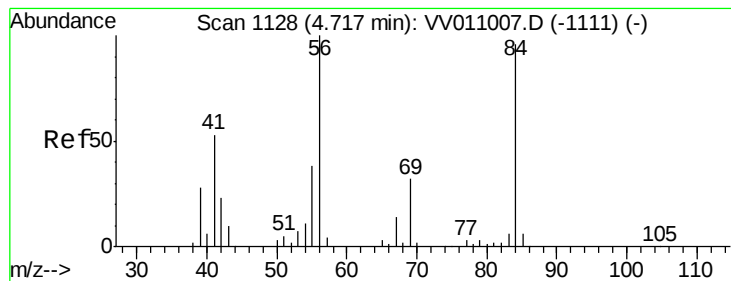
Tgt Ion: 83 Resp: 110560
Ion Ratio Lower Upper
83 100
85 64.4 45.6 84.8



#27
1,2-Dichloroethane
Concen: 23.139 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV011024.D
Acq: 22 May 2019 17:59

Tgt Ion: 62 Resp: 58584
Ion Ratio Lower Upper
62 100
98 10.4 8.6 13.0





#30

Cyclohexane

Concen: 23.808 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

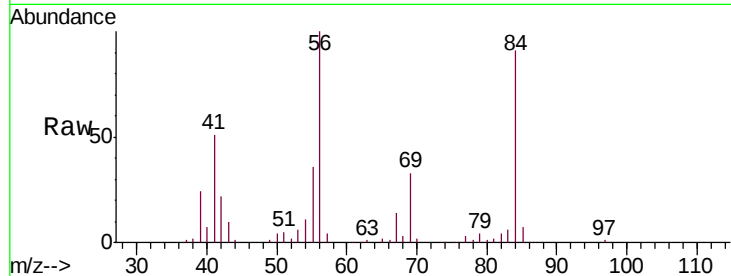
Tgt Ion: 56 Resp: 68539

Ion Ratio Lower Upper

56 100

69 31.9 25.1 37.7

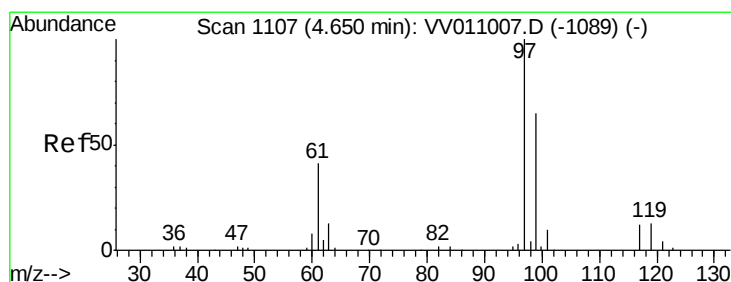
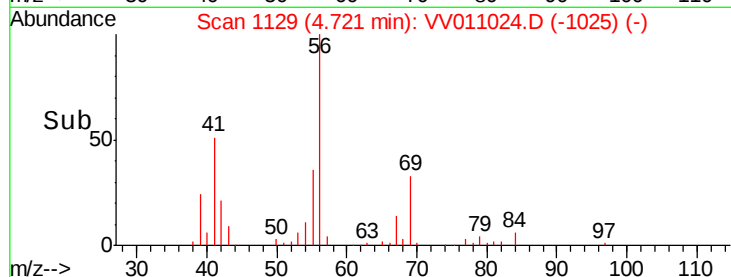
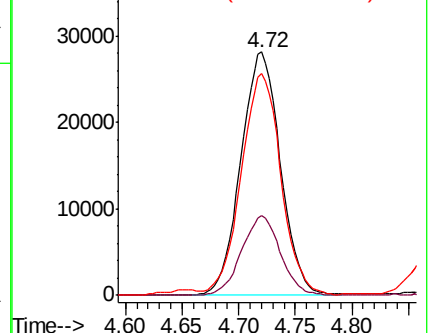
84 90.6 72.4 108.6



Abundance Ion 56.00 (55.70 to 56.70): VV011007.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV011007.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV011007.D (-1111) (-)



#31

1,1,1-Trichloroethane

Concen: 24.792 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

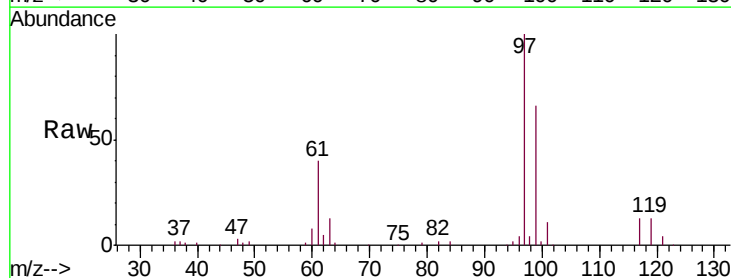
Tgt Ion: 97 Resp: 77263

Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.4

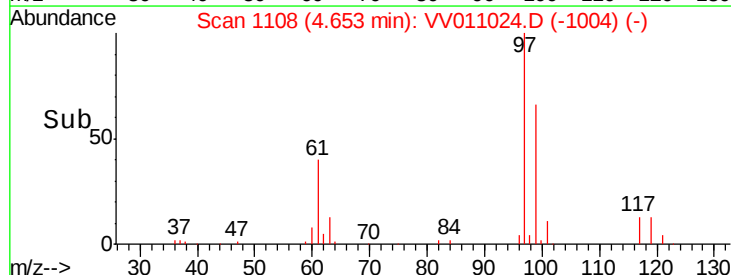
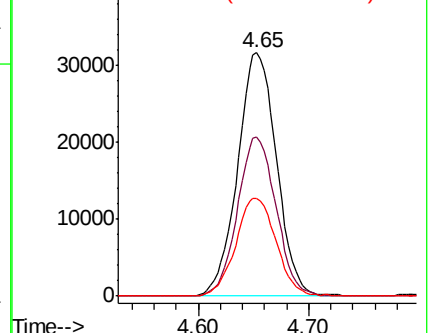
61 41.6 33.9 50.9

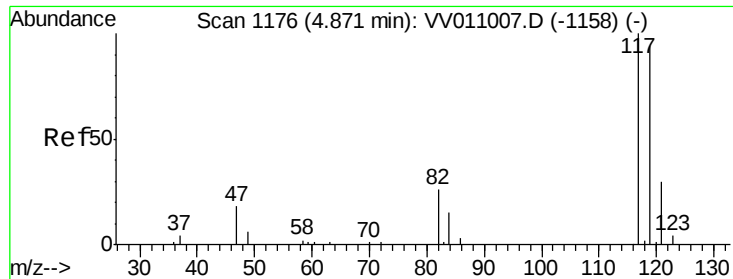


Abundance Ion 97.00 (96.70 to 97.70): VV011007.D (-1089) (-)

Ion 99.00 (98.70 to 99.70): VV011007.D (-1089) (-)

Ion 61.00 (60.70 to 61.70): VV011007.D (-1089) (-)





#32

Carbon tetrachloride

Concen: 24.276 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

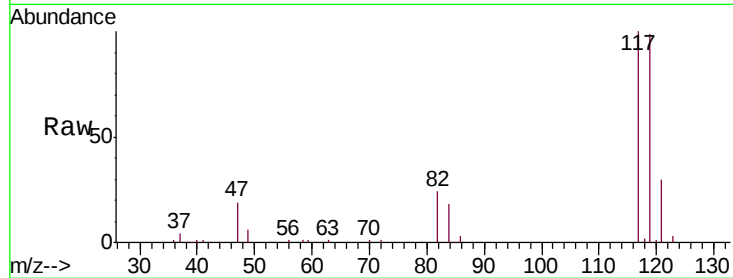
VSTD02570

Tgt Ion:117 Resp: 68992

Ion Ratio Lower Upper

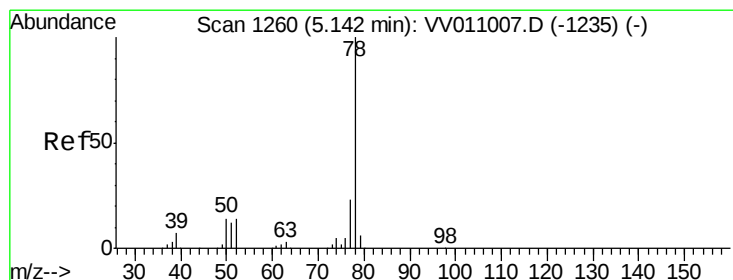
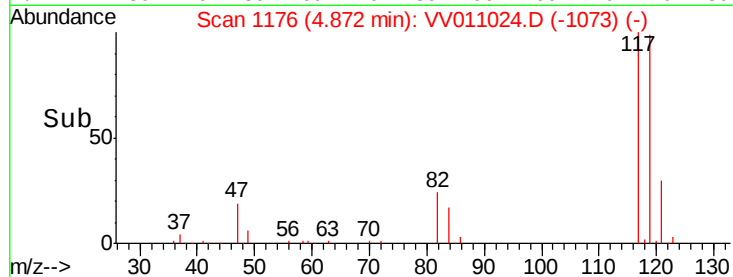
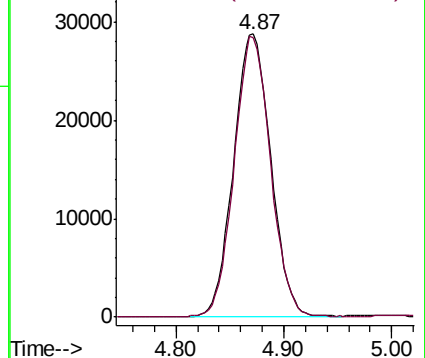
117 100

119 96.5 76.1 114.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.346 ug/L

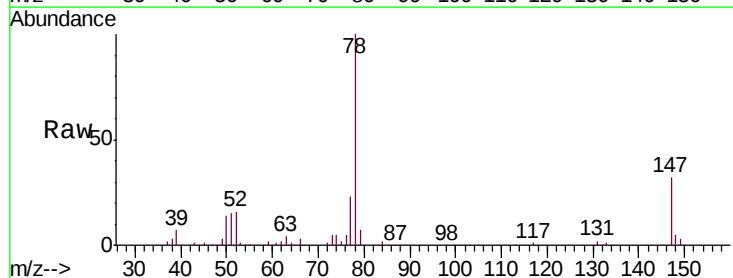
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

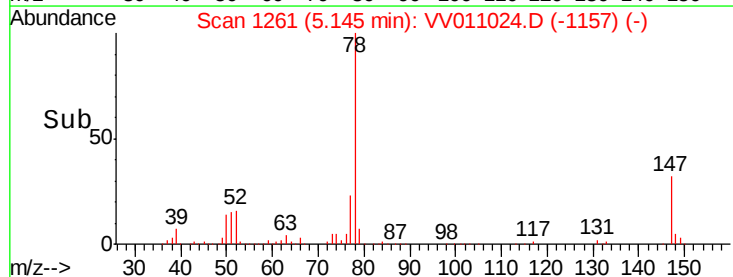
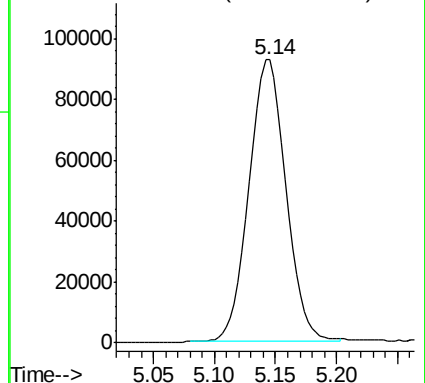
Lab File: VV011024.D

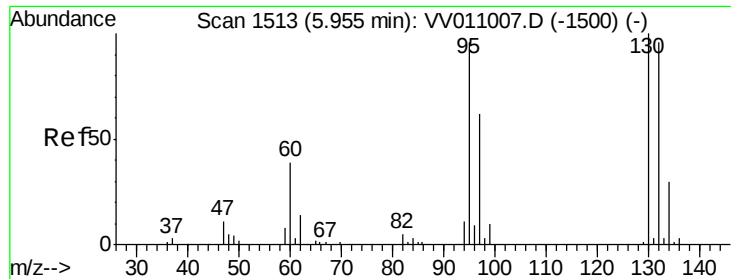
Acq: 22 May 2019 17:59

Tgt Ion: 78 Resp: 194436



Abundance Ion 78.00 (77.70 to 78.70): VV0

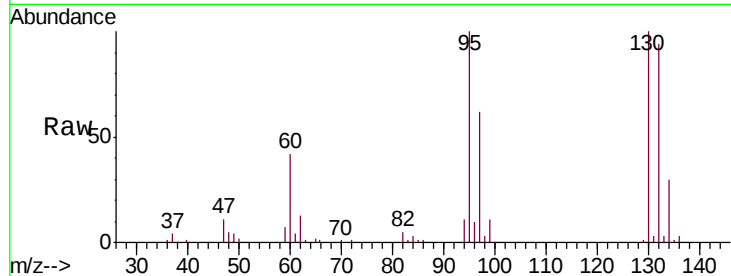




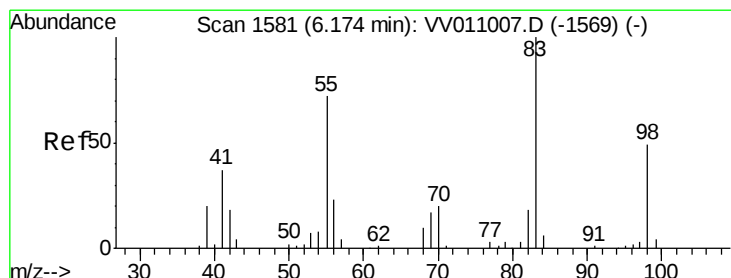
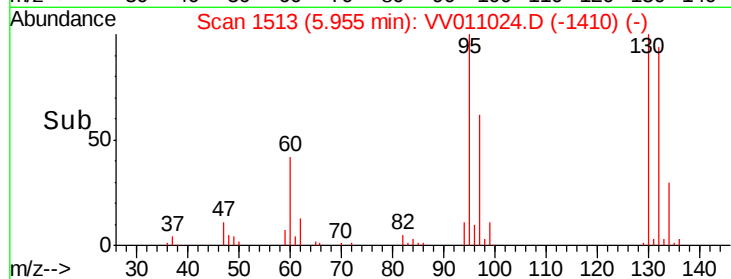
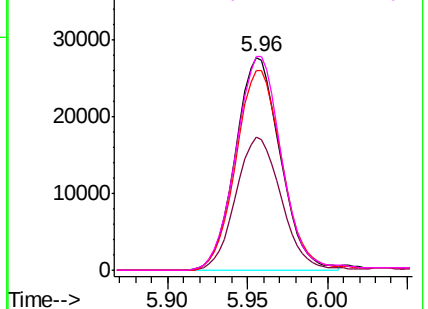
#35
 Trichloroethene
 Concen: 24.051 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Tgt Ion: 95 Resp: 53072
 Ion Ratio Lower Upper
 95 100
 97 63.5 43.4 80.6
 132 96.9 68.8 127.8
 130 102.9 69.9 129.9

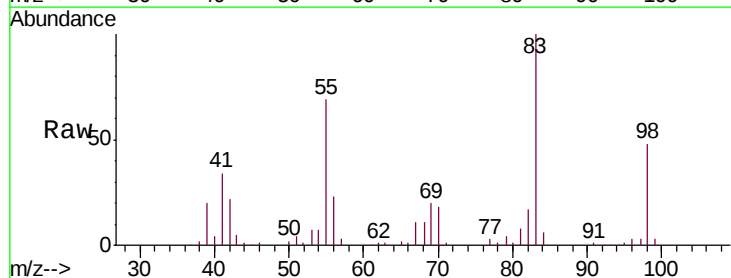


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

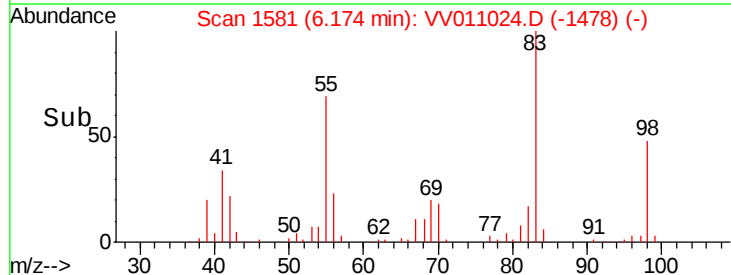
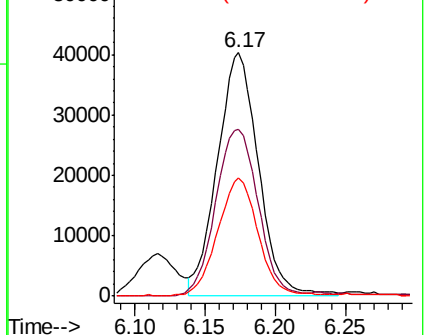


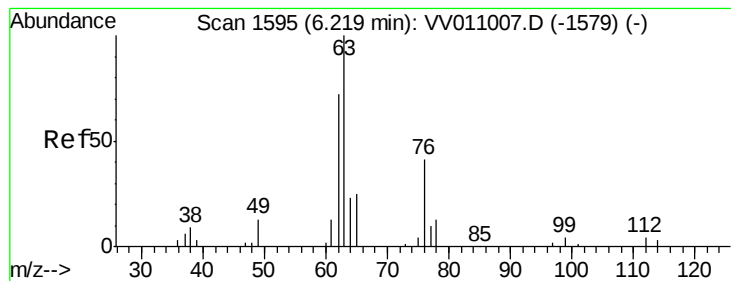
#36
 Methylcyclohexane
 Concen: 25.224 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Tgt Ion: 83 Resp: 82286
 Ion Ratio Lower Upper
 83 100
 55 70.4 57.0 85.4
 98 47.3 36.2 54.4



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: 24.146 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

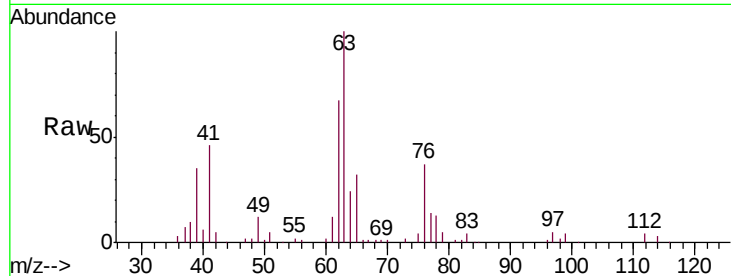
VSTD02570

Tgt Ion: 63 Resp: 50680

Ion Ratio Lower Upper

63 100

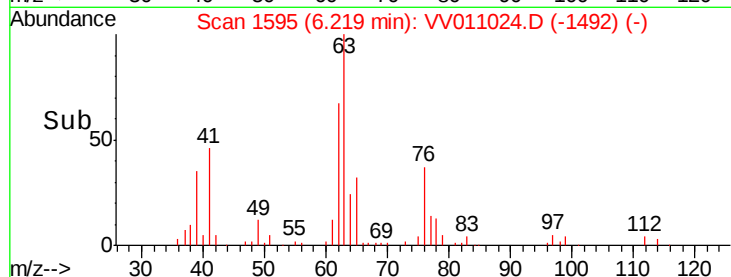
112 4.1 3.6 5.4



Abundance Ion 63.00 (62.70 to 63.70): VV011007.D (-1579) (-)

Ion 112.00 (111.70 to 112.70): VV011007.D (-1579) (-)

Time-->

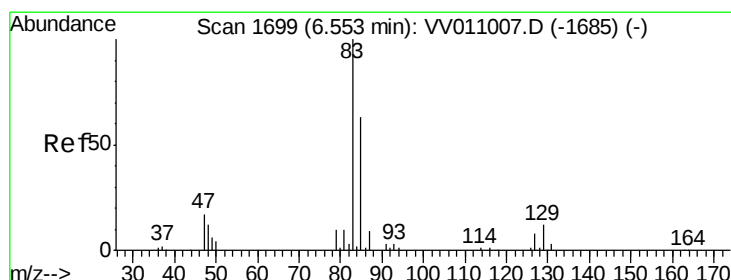


Abundance

Ion 63.00 (62.70 to 63.70): VV011024.D (-1492) (-)

Ion 112.00 (111.70 to 112.70): VV011024.D (-1492) (-)

Time-->



#41

Bromodichloromethane

Concen: 23.477 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

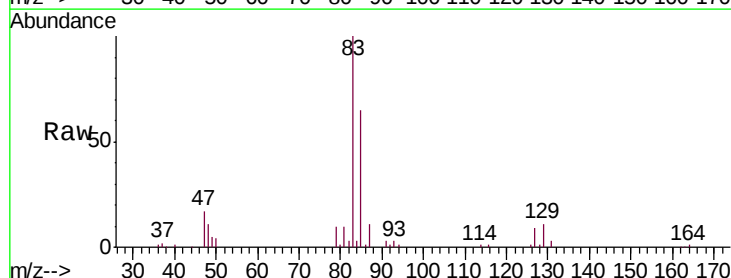
Tgt Ion: 83 Resp: 65862

Ion Ratio Lower Upper

83 100

85 65.5 46.7 86.7

127 9.3 7.1 10.7

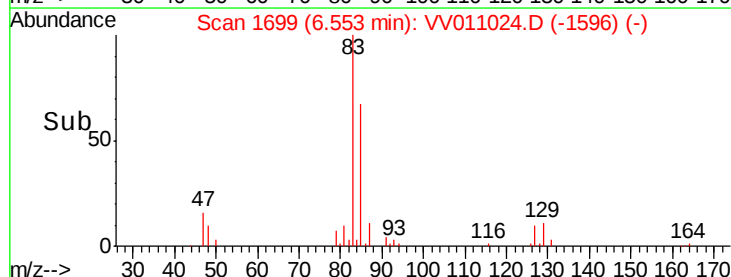


Abundance Ion 83.00 (82.70 to 83.70): VV011007.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV011007.D (-1685) (-)

Ion 127.00 (126.70 to 127.70): VV011007.D (-1685) (-)

Time-->



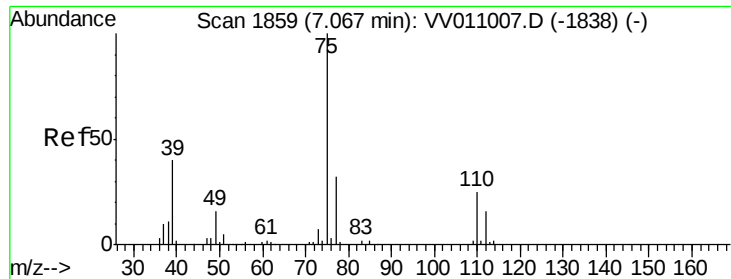
Abundance

Ion 83.00 (82.70 to 83.70): VV011024.D (-1596) (-)

Ion 85.00 (84.70 to 85.70): VV011024.D (-1596) (-)

Ion 127.00 (126.70 to 127.70): VV011024.D (-1596) (-)

Time-->

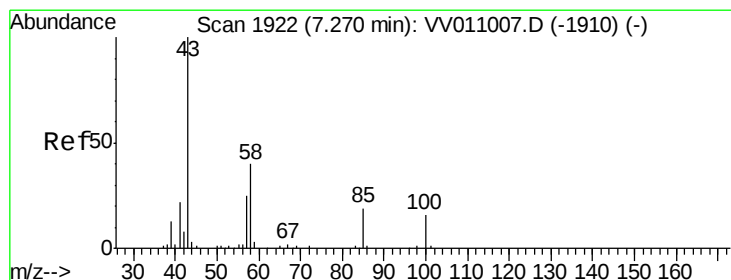
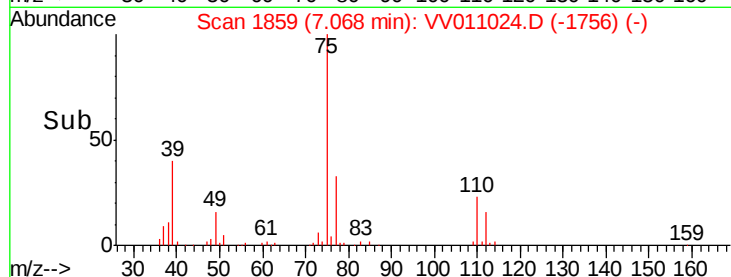
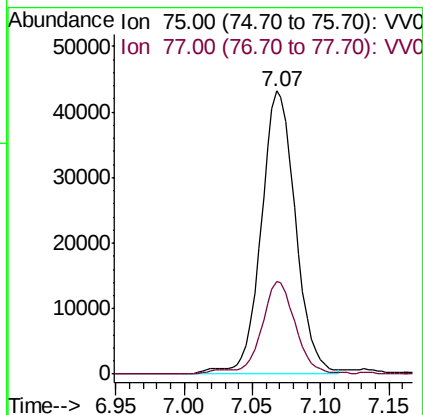
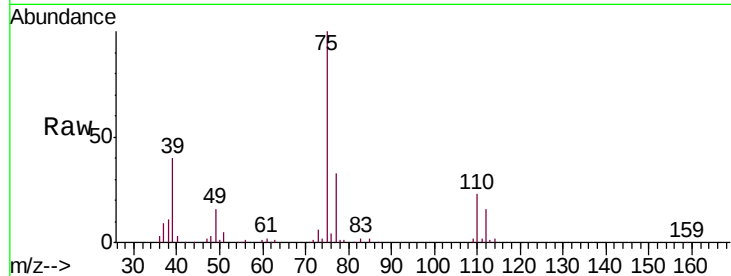


#42

cis-1,3-Dichloropropene
 Concen: 24.261 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

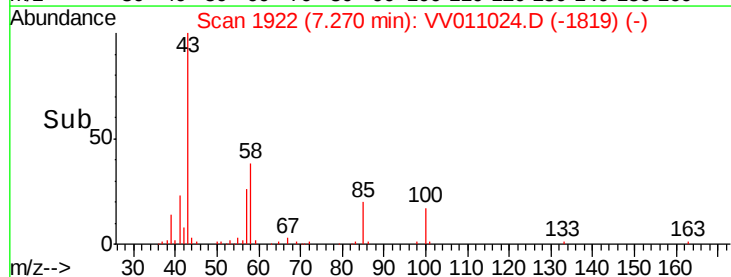
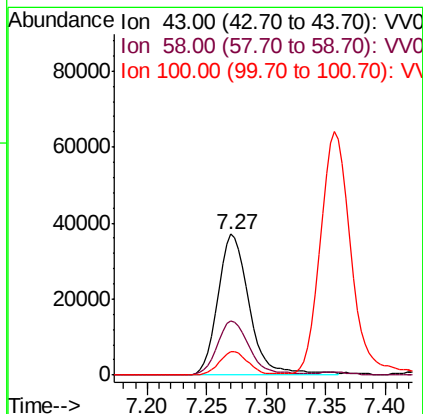
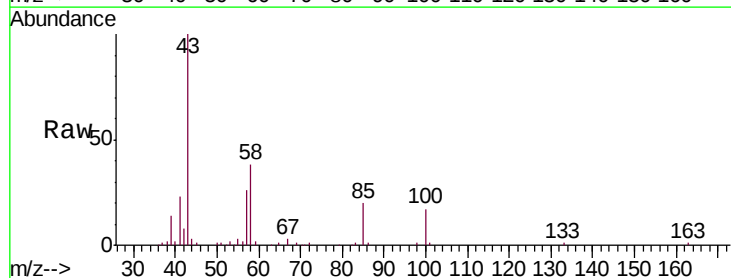
Tgt Ion: 75 Resp: 75795
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.9 42.5

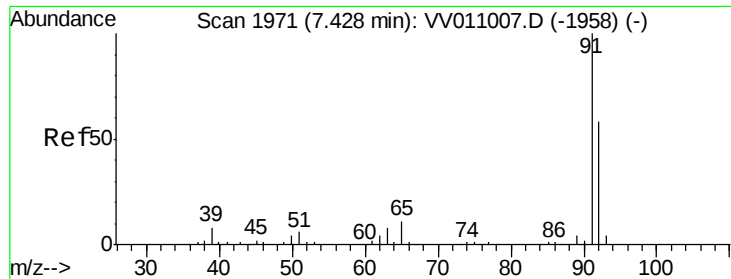


#43

4-Methyl-2-pentanone
 Concen: 45.482 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Tgt Ion: 43 Resp: 68431
 Ion Ratio Lower Upper
 43 100
 58 39.1 33.1 49.7
 100 15.6 13.1 19.7





#44

Toluene

Concen: 25.179 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

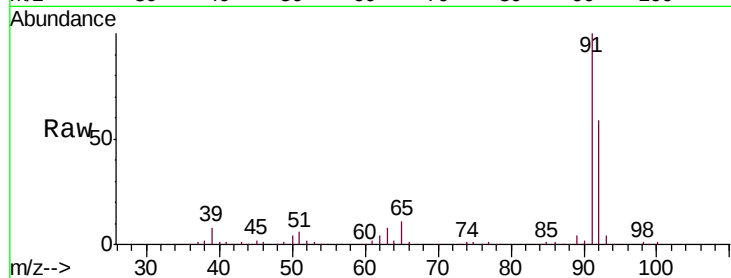
VSTD02570

Tgt Ion: 91 Resp: 223160

Ion Ratio Lower Upper

91 100

92 58.8 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VV011007.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV011007.D (-1958) (-)

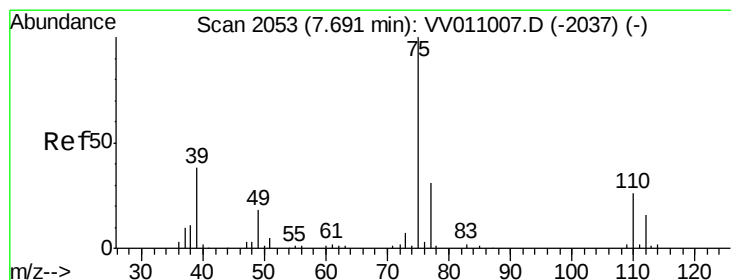
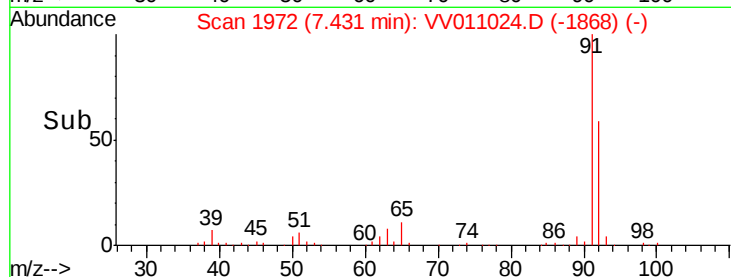
7.43

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 23.164 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV011024.D

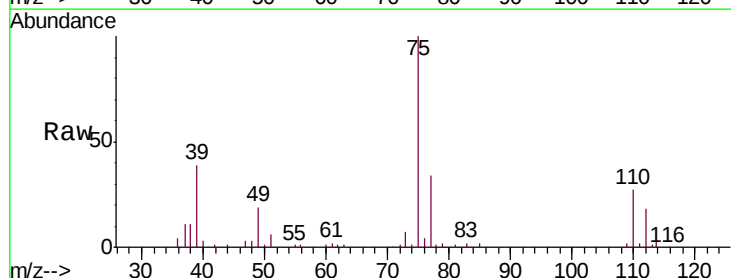
Acq: 22 May 2019 17:59

Tgt Ion: 75 Resp: 60961

Ion Ratio Lower Upper

75 100

77 33.8 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV011007.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV011007.D (-2037) (-)

7.69

40000

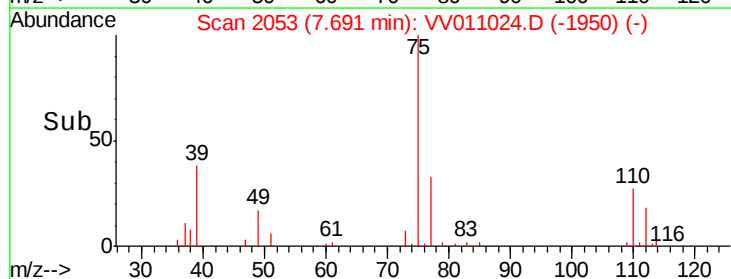
30000

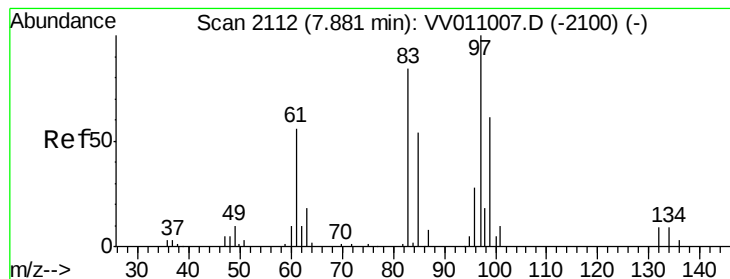
20000

10000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 24.095 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

Tgt Ion: 97 Resp: 43094

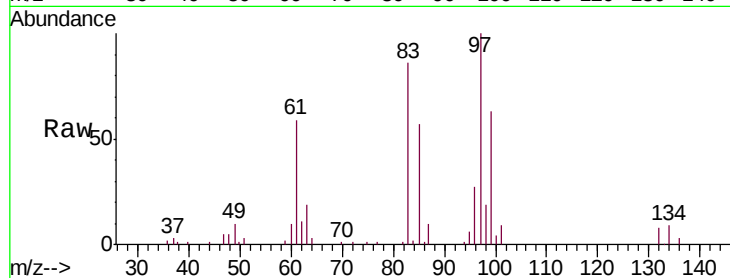
Ion Ratio Lower Upper

97 100

83 86.5 61.6 114.4

85 56.8 40.2 74.6

99 62.7 45.1 83.7



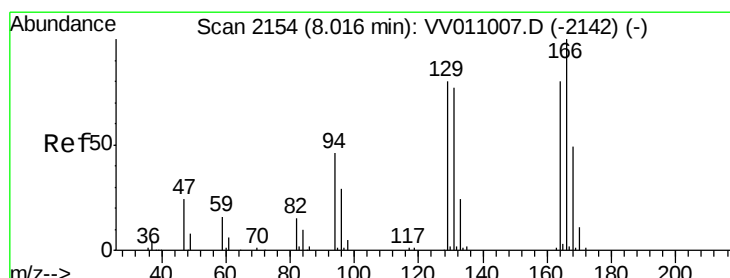
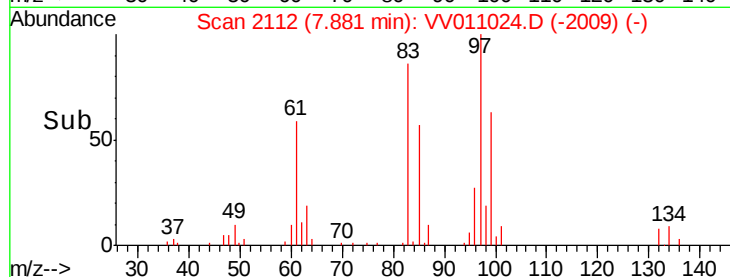
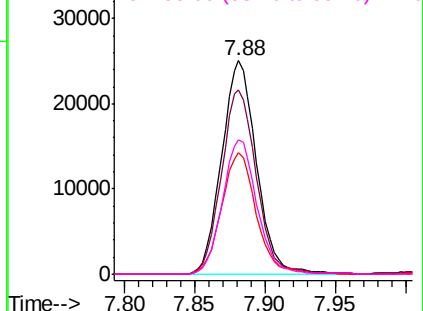
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 23.965 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Tgt Ion: 164 Resp: 41279

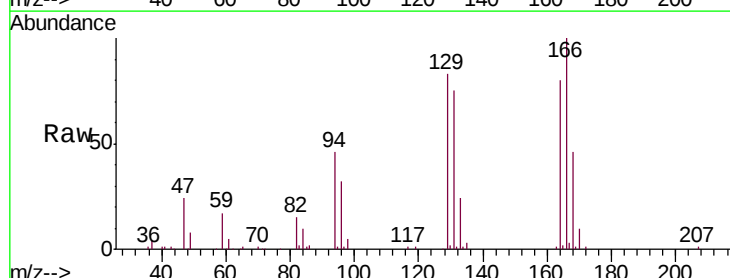
Ion Ratio Lower Upper

164 100

129 104.7 67.8 125.8

131 94.0 64.1 119.1

166 125.4 86.1 159.9



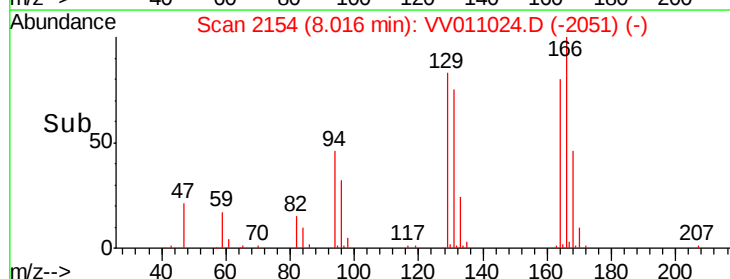
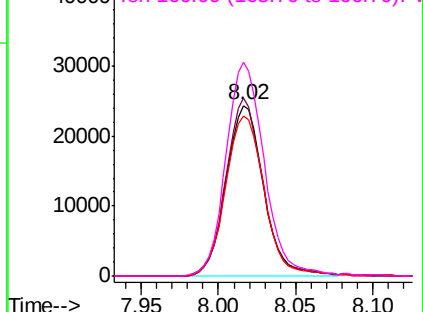
Abundance

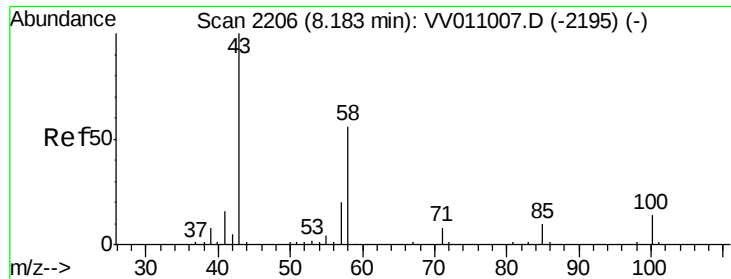
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

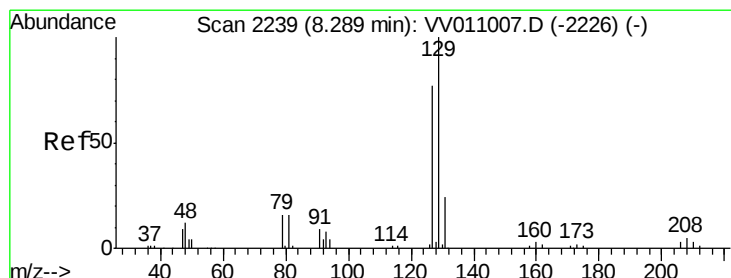
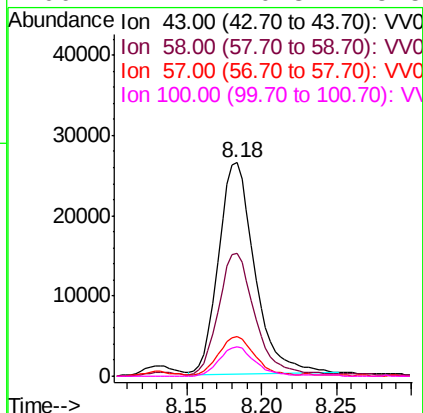
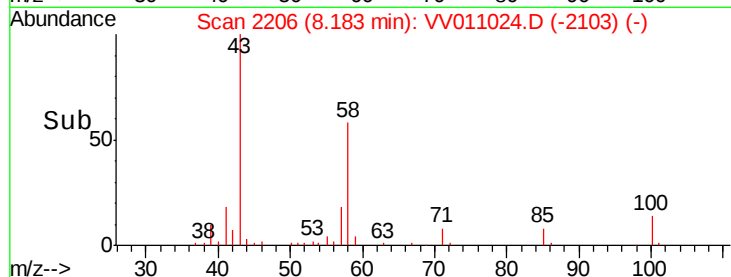
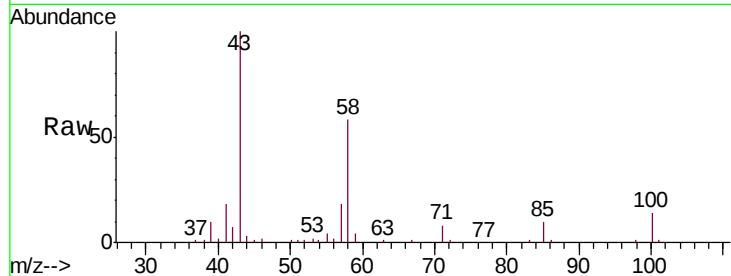




#49
2-Hexanone
Concen: 40.422 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV011024.D
Acq: 22 May 2019 17:59

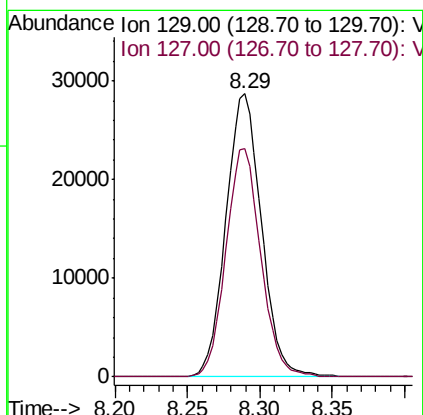
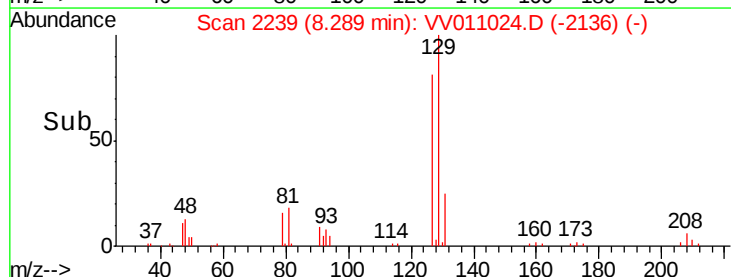
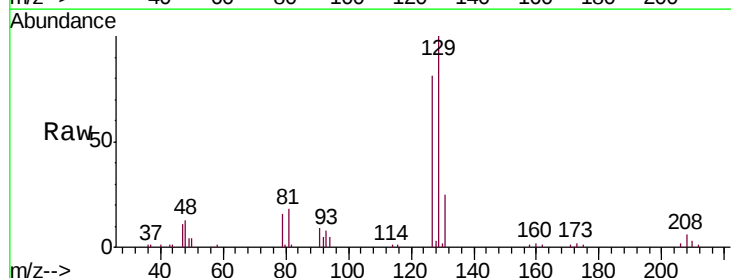
Instrument :
MSVOA_V
ClientSampleId :
VSTD02570

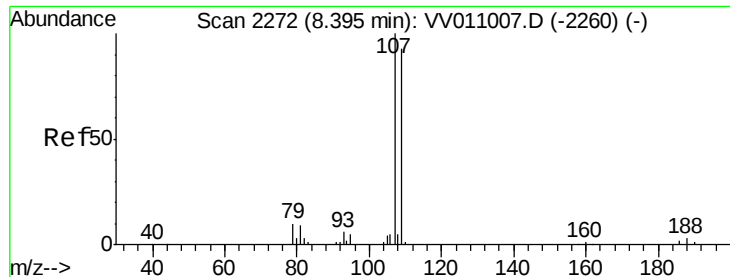
Tgt Ion: 43 Resp: 44405
Ion Ratio Lower Upper
43 100
58 56.9 46.0 69.0
57 19.1 14.5 21.7
100 14.4 10.3 15.5



#50
Dibromochloromethane
Concen: 23.216 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011024.D
Acq: 22 May 2019 17:59

Tgt Ion: 129 Resp: 48872
Ion Ratio Lower Upper
129 100
127 80.8 54.4 101.0





#51

1,2-Dibromoethane

Concen: 22.933 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

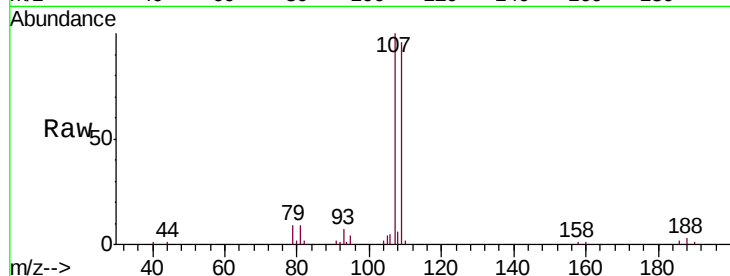
Tgt Ion:107 Resp: 39664

Ion Ratio Lower Upper

107 100

109 96.3 68.0 126.4

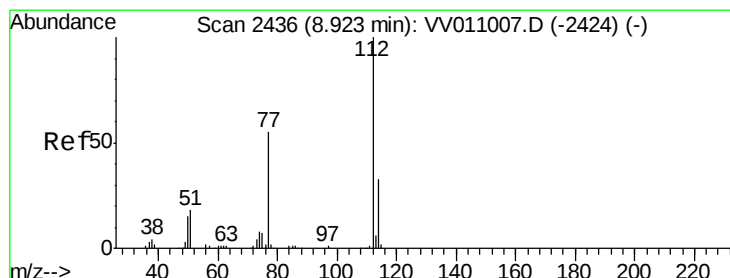
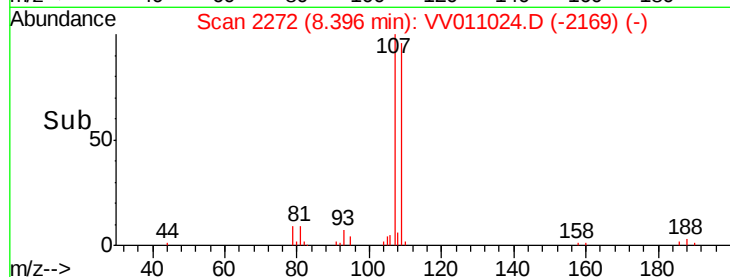
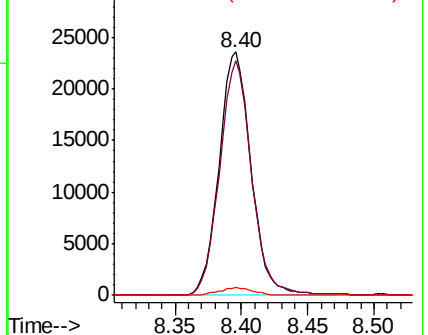
188 3.1 2.3 3.5



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 23.934 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

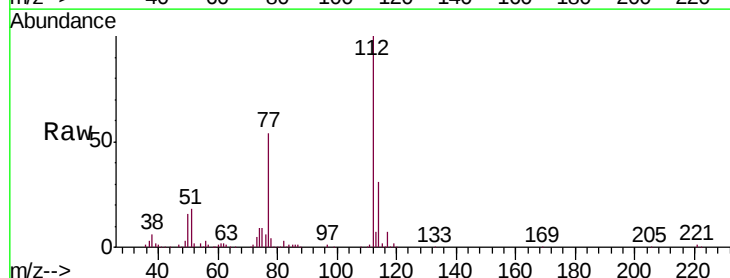
Tgt Ion:112 Resp: 145394

Ion Ratio Lower Upper

112 100

77 54.4 43.0 64.4

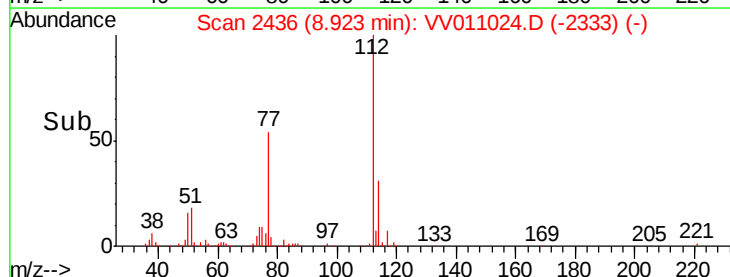
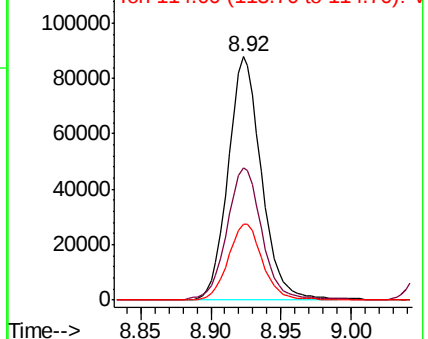
114 31.3 22.0 40.8

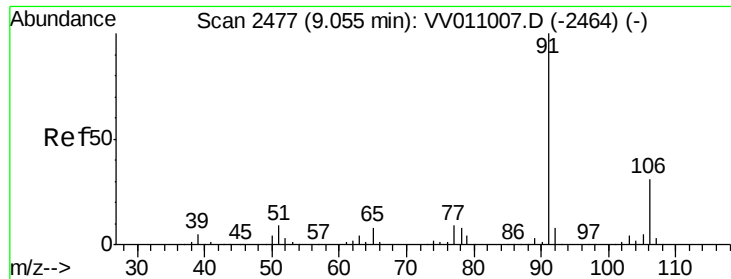


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.128 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

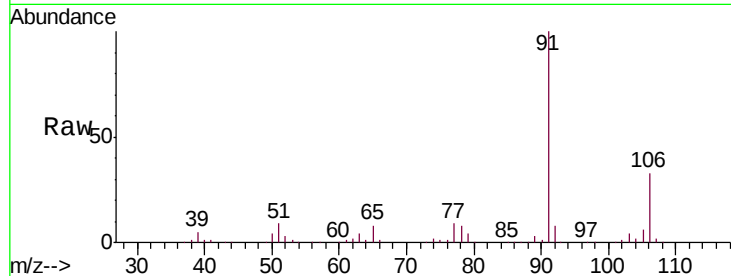
VSTD02570

Tgt Ion: 91 Resp: 242664

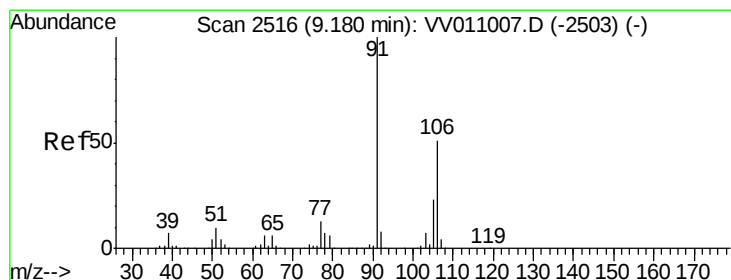
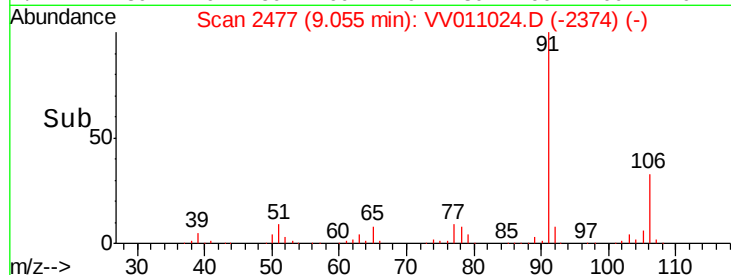
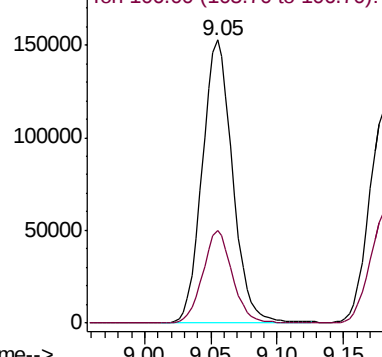
Ion Ratio Lower Upper

91 100

106 32.7 22.4 41.6



Abundance Ion 91.00 (90.70 to 91.70): VV011007.D (-2464) (-)



#54

m,p-Xylene

Concen: 25.368 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV011024.D

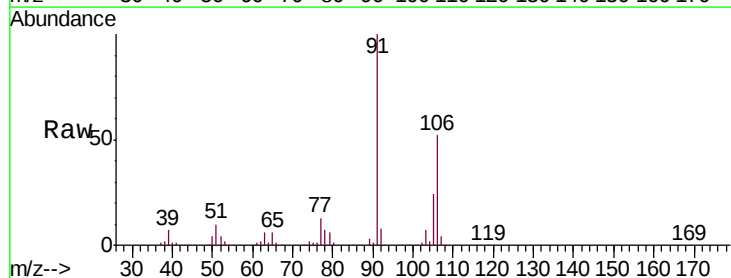
Acq: 22 May 2019 17:59

Tgt Ion: 106 Resp: 95481

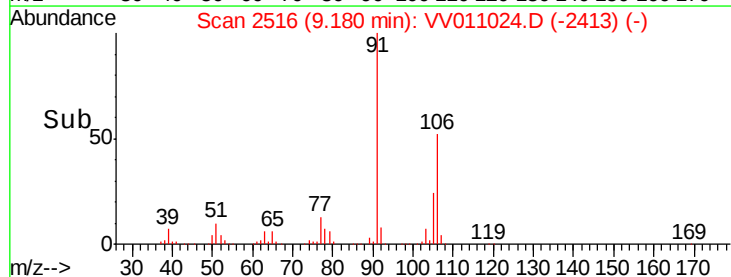
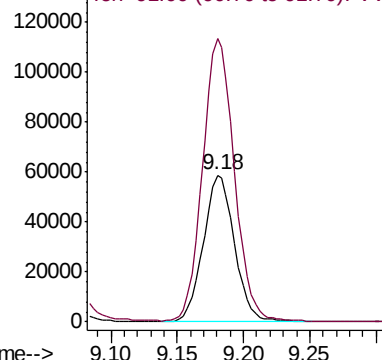
Ion Ratio Lower Upper

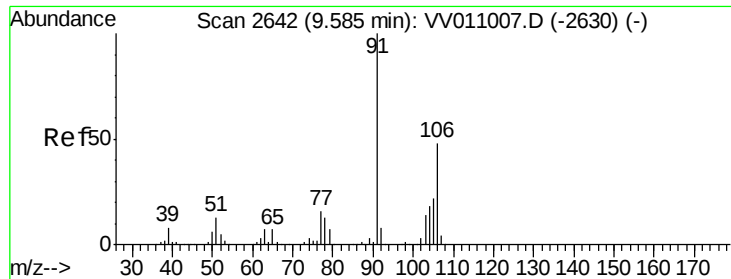
106 100

91 192.7 138.3 256.9



Abundance Ion 106.00 (105.70 to 106.70): VV011007.D (-2503) (-)





#55

o-xylene

Concen: 25.860 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

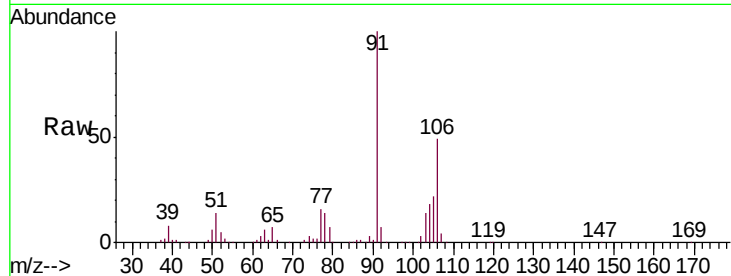
VSTD02570

Tgt Ion:106 Resp: 92863

Ion Ratio Lower Upper

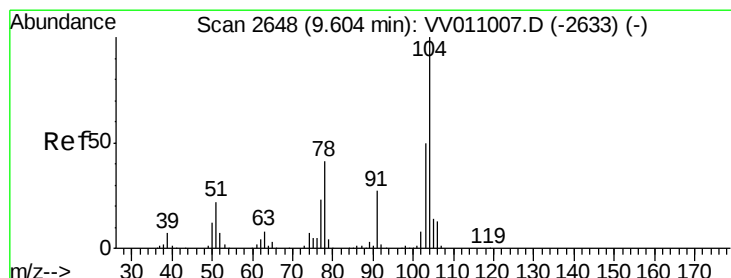
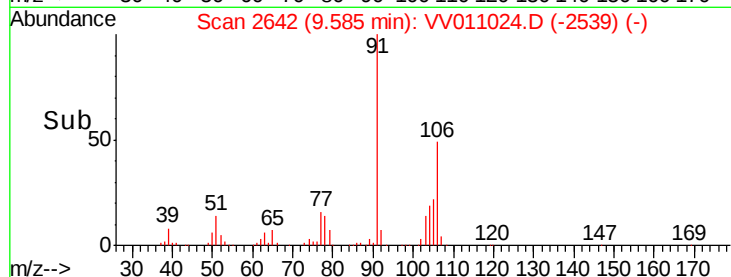
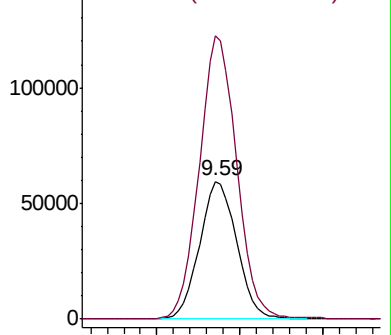
106 100

91 205.8 145.9 270.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 26.247 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV011024.D

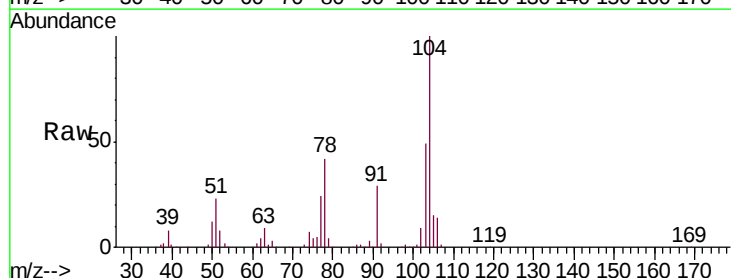
Acq: 22 May 2019 17:59

Tgt Ion:104 Resp: 162437

Ion Ratio Lower Upper

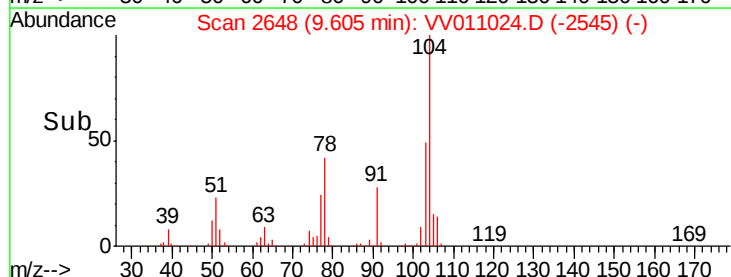
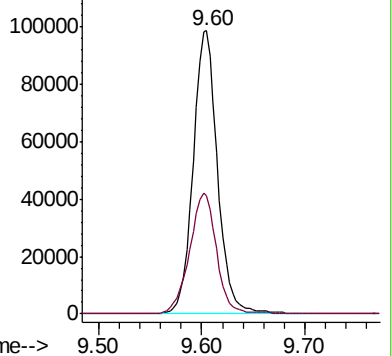
104 100

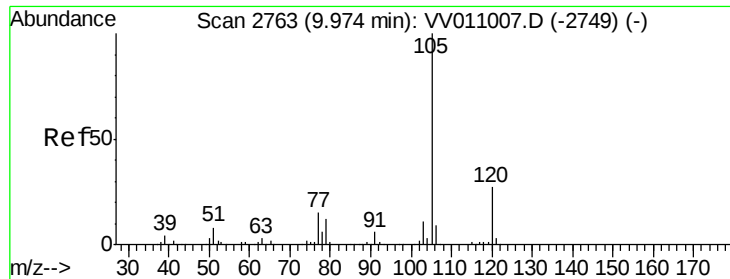
78 41.6 29.2 54.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 25.819 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

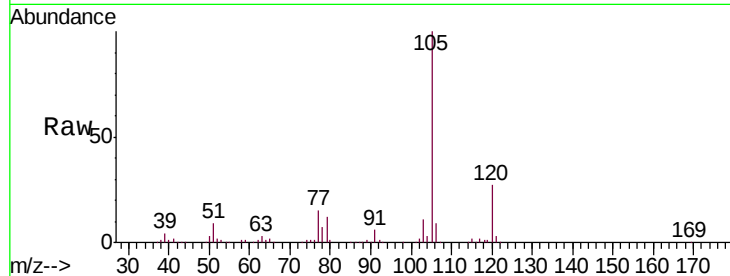
Tgt Ion: 105 Resp: 244590

Ion Ratio Lower Upper

105 100

120 26.7 21.9 32.9

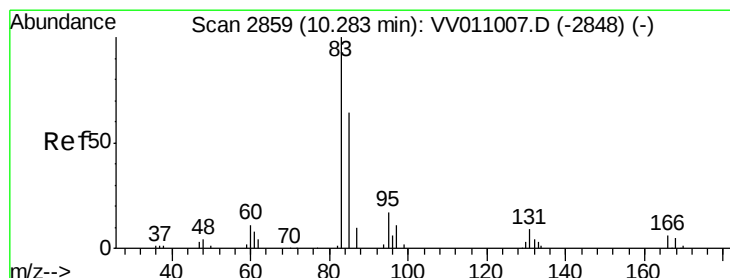
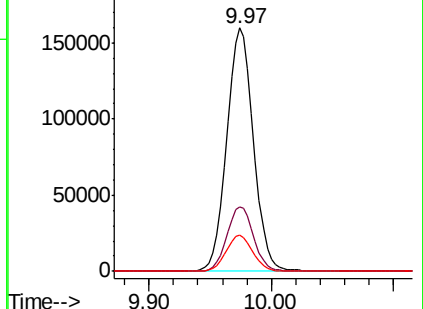
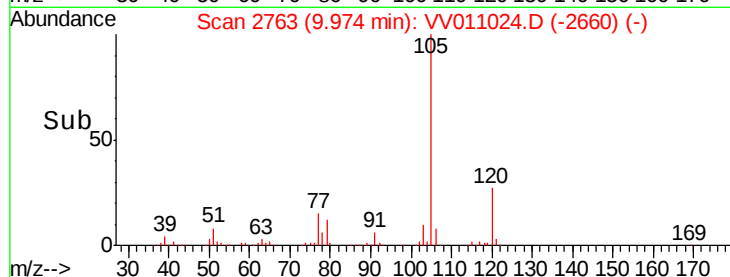
77 15.1 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 22.432 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

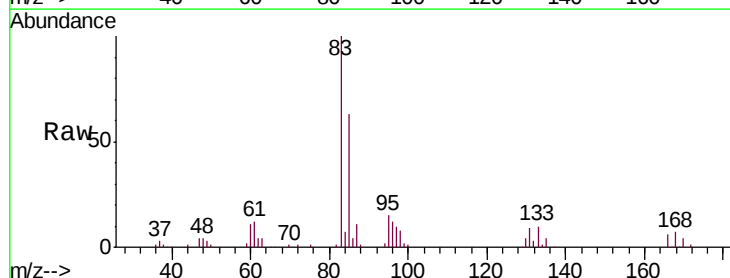
Tgt Ion: 83 Resp: 52827

Ion Ratio Lower Upper

83 100

85 63.3 44.4 82.5

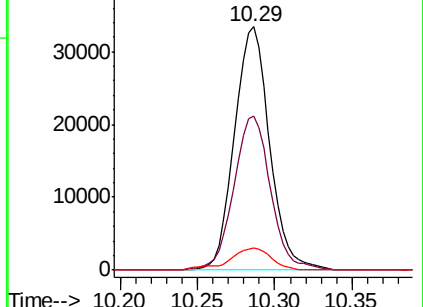
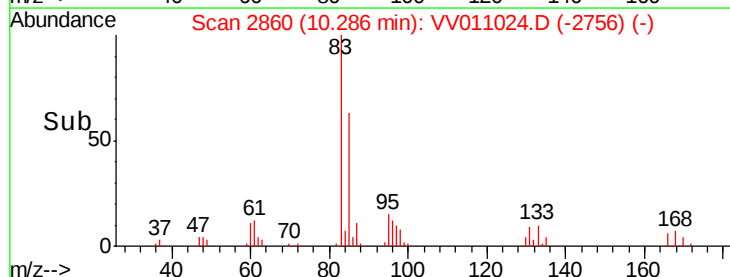
131 9.1 8.2 12.4

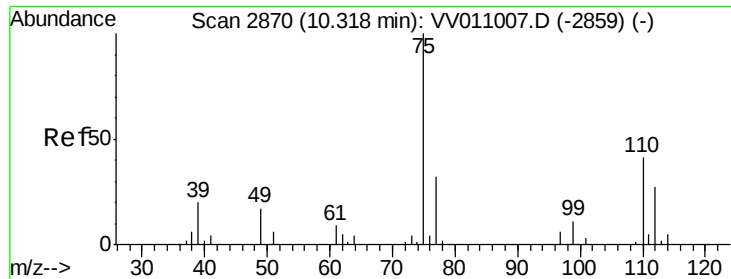


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 22.288 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

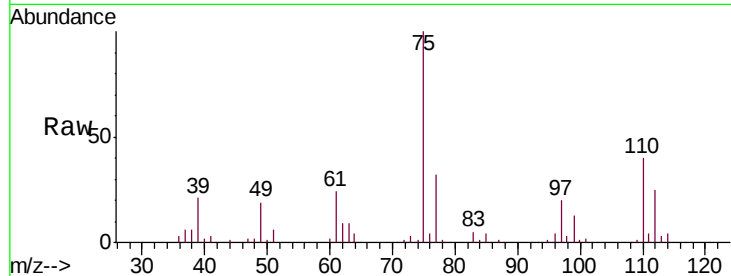
VSTD02570

Tgt Ion: 75 Resp: 38556

Ion Ratio Lower Upper

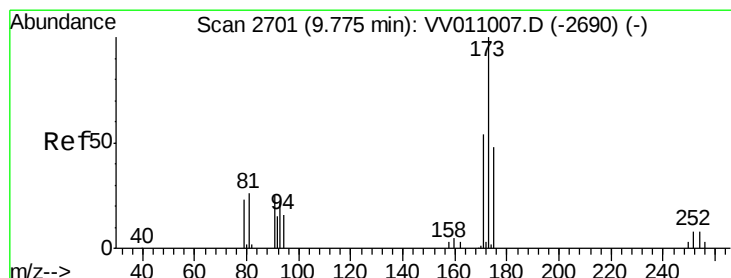
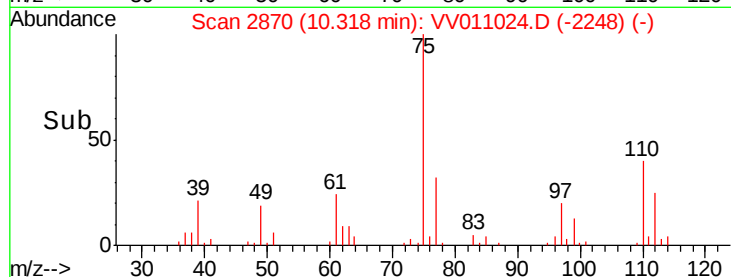
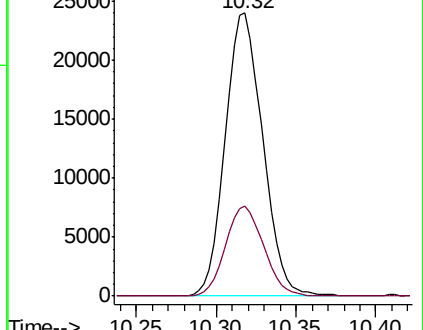
75 100

77 32.3 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV011007.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV011007.D (-2859) (-)



#62

Bromoform

Concen: 21.764 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

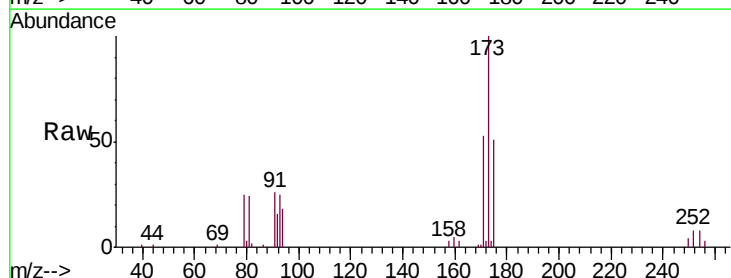
Tgt Ion: 173 Resp: 26101

Ion Ratio Lower Upper

173 100

175 50.3 40.3 60.5

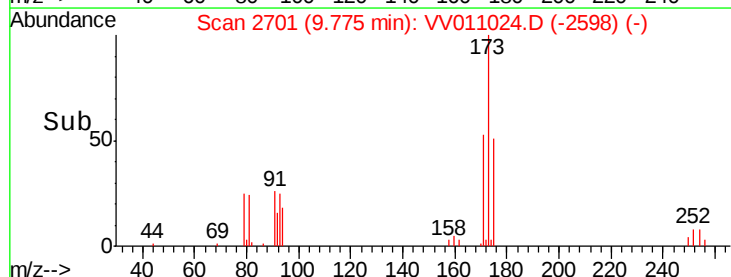
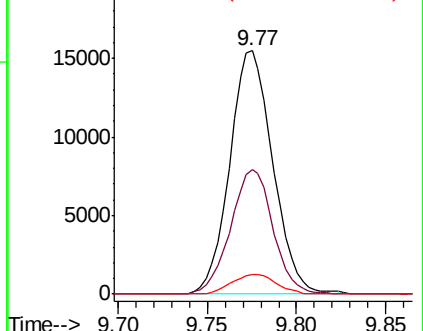
254 8.2 6.1 9.1

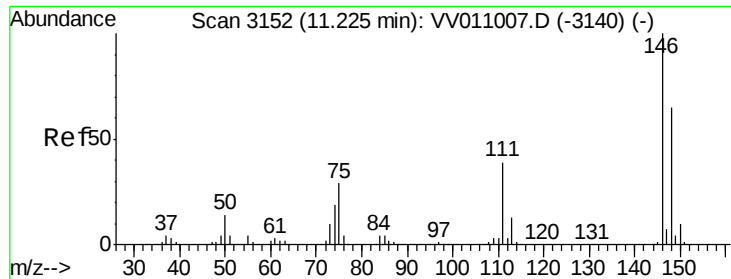


Abundance Ion 173.00 (172.70 to 173.70): VV011007.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV011007.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV011007.D (-2690) (-)

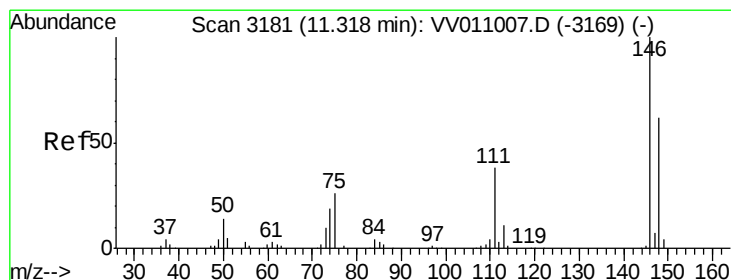
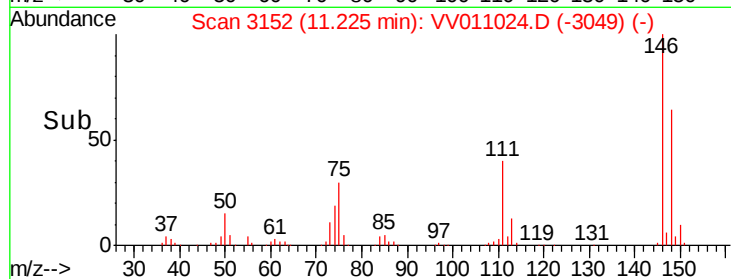
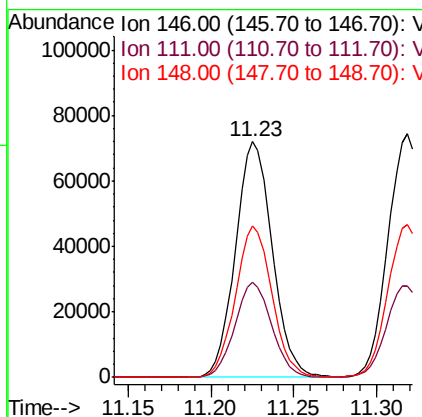
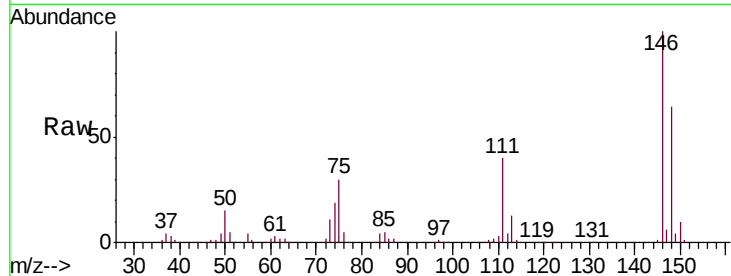




#63
 1,3-Dichlorobenzene
 Concen: 24.195 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

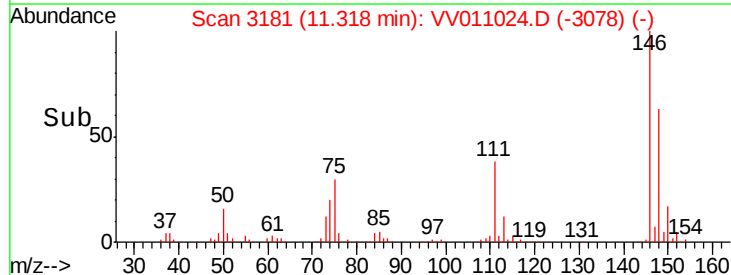
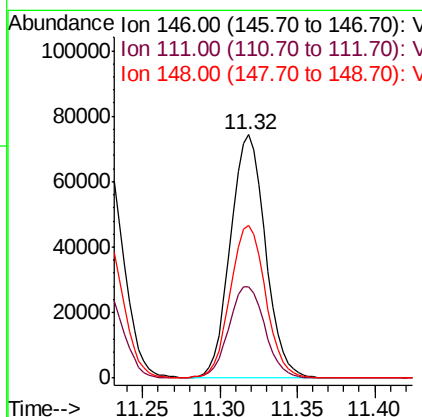
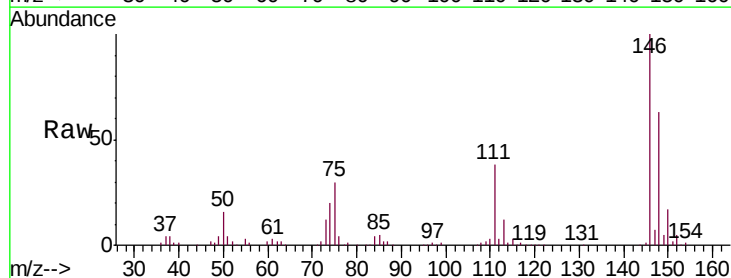
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

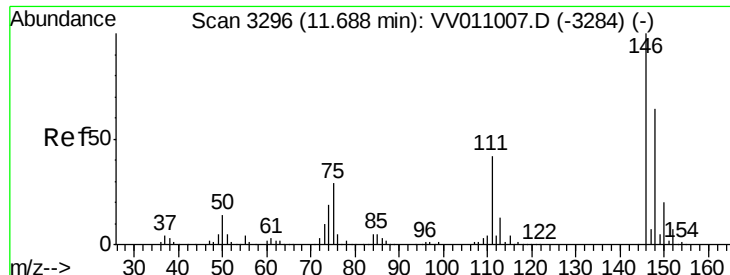
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	28.4	52.8
148	64.2	44.8	83.2



#64
 1,4-Dichlorobenzene
 Concen: 24.619 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.5	49.1
148	62.9	45.0	83.6





#65

1,2-Dichlorobenzene

Concen: 24.510 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

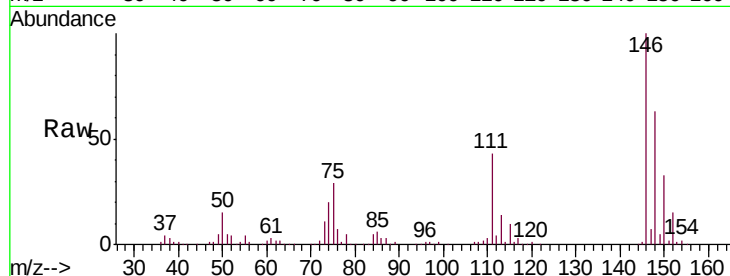
Tgt Ion:146 Resp: 109510

Ion Ratio Lower Upper

146 100

111 42.5 32.8 49.2

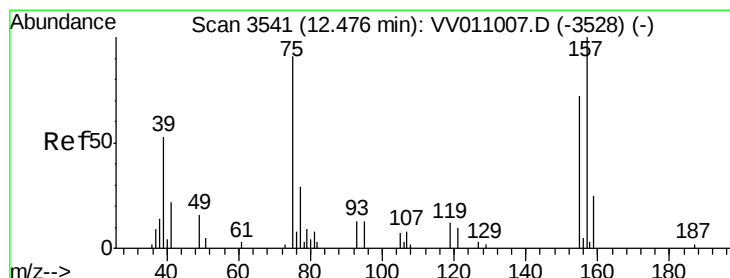
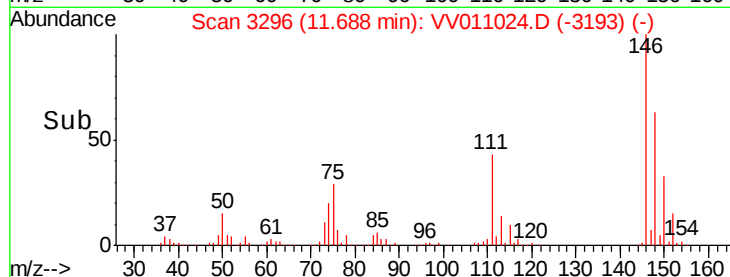
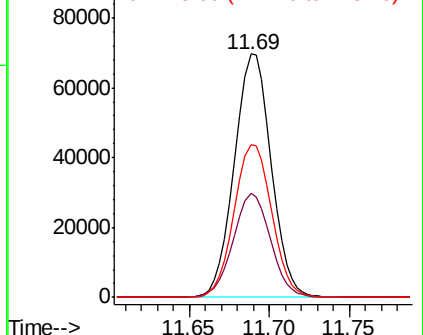
148 62.9 51.9 77.9



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: 21.156 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

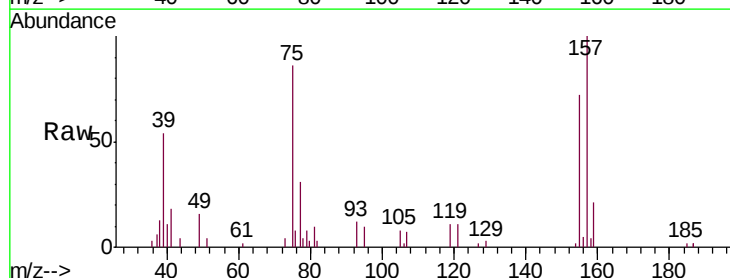
Tgt Ion: 75 Resp: 7509

Ion Ratio Lower Upper

75 100

157 115.7 87.0 130.4

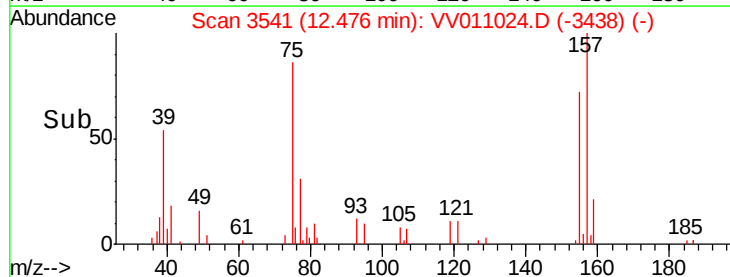
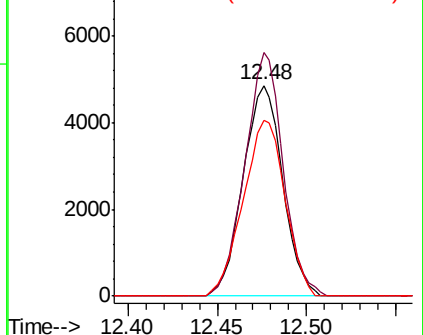
155 83.8 67.8 101.8

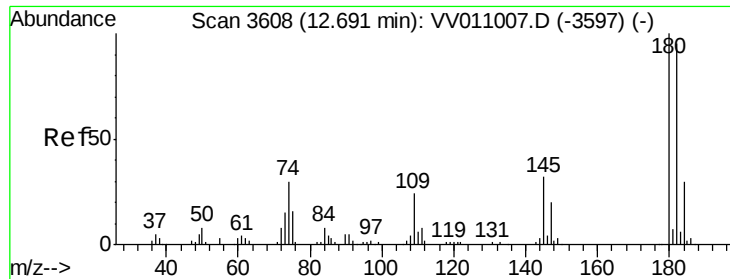


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

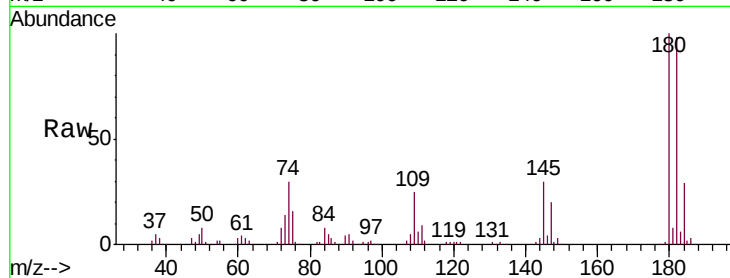




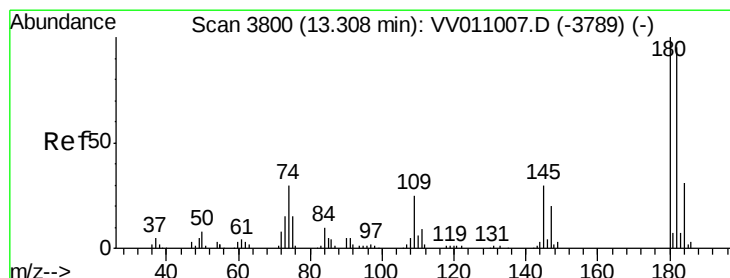
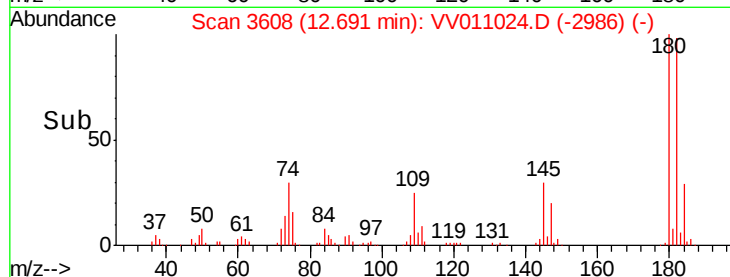
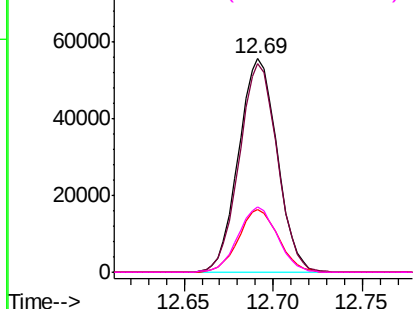
#67
 1,3,5-Trichlorobenzene
 Concen: 24.781 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02570

Tgt Ion:180 Resp: 83764
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.2 114.2
 184 30.1 24.6 37.0
 145 30.9 24.1 36.1

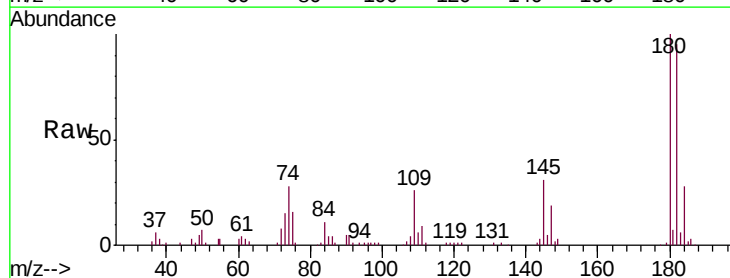


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

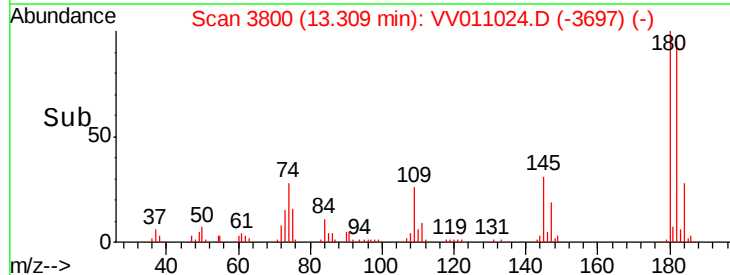
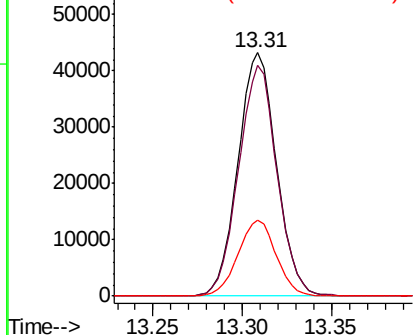


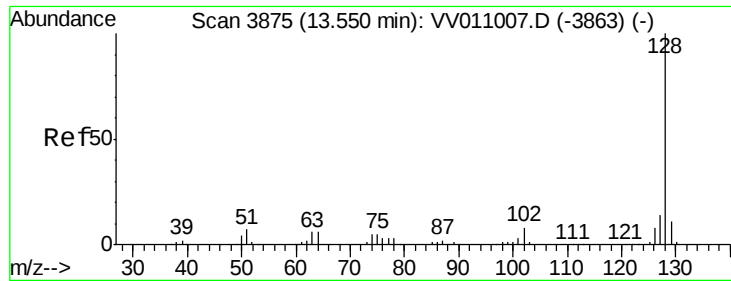
#68
 1,2,4-trichlorobenzene
 Concen: 24.375 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011024.D
 Acq: 22 May 2019 17:59

Tgt Ion:180 Resp: 65119
 Ion Ratio Lower Upper
 180 100
 182 94.8 75.4 113.2
 145 30.9 25.1 37.7



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: 22.265 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD02570

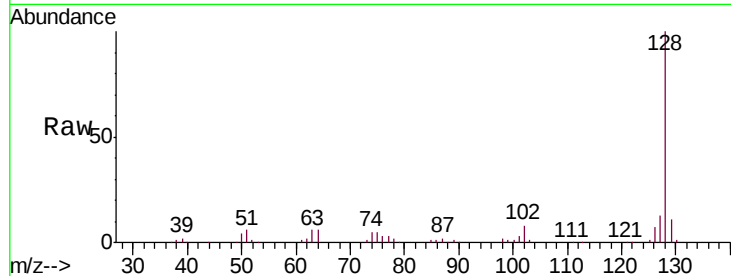
Tgt Ion:128 Resp: 119243

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

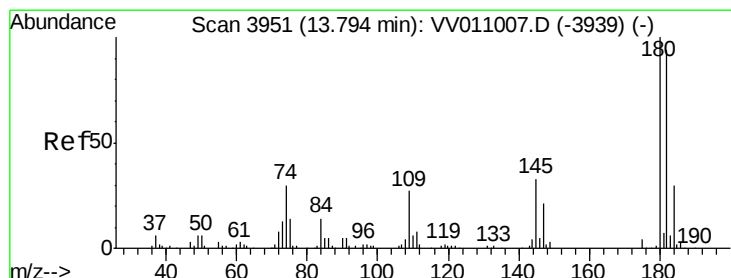
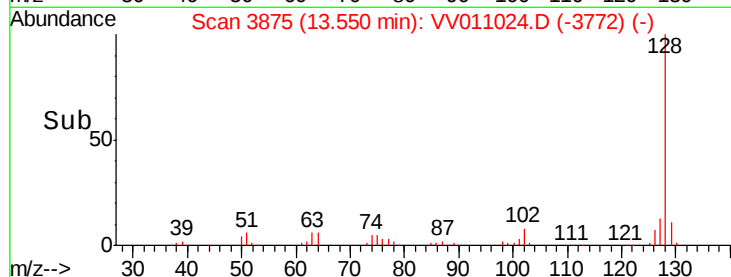
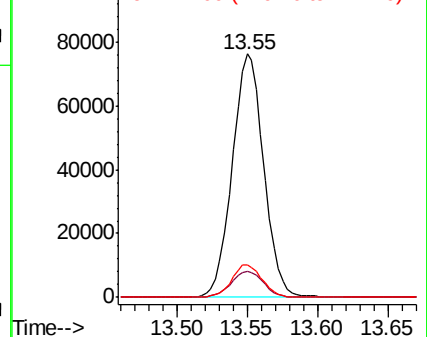
127 12.9 10.3 15.5



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: 23.909 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011024.D

Acq: 22 May 2019 17:59

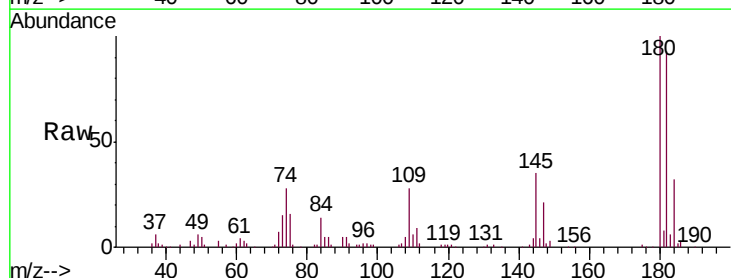
Tgt Ion:180 Resp: 62360

Ion Ratio Lower Upper

180 100

182 94.7 75.7 113.5

145 33.9 26.9 40.3



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

