

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV010419\
 Data File : VV009179.D
 Acq On : 05 Jan 2019 00:28
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00 G/10ML/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

Quant Time: Jan 05 05:05:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jan 05 05:00:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	180300	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	171041	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	88976	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25692	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.36%
7) Chloroethane-d5	1.58	69	25937	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.72%
10) 1,1-Dichloroethene-d2	2.13	63	89842	21.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.20%
20) 2-Butanone-d5	3.96	46	46716	53.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.70%
24) Chloroform-d	4.40	84	89387	23.55	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.08	65	49421	24.33	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.32%
29) Benzene-d6	5.10	84	169406	22.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.92%
33) 1,2-Dichloropropane-d6	6.12	67	50452	23.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.36%
37) Toluene-d8	7.36	98	158152	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.00%
38) trans-1,3-Dichloropropene-	7.67	79	22581	21.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.12%
39) 2-Hexanone-d5	8.14	63	27956	54.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.42%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	61905	25.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.12%
61) 1,2-Dichlorobenzene-d4	11.68	152	67985	22.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	66503	22.946 ug/L	99
3) Chloromethane	1.25	50	45688	23.276 ug/L	99
5) Vinyl chloride	1.32	62	48799	23.218 ug/L	99
6) Bromomethane	1.53	94	32917	22.234 ug/L	96
8) Chloroethane	1.60	64	30549	23.585 ug/L	98
9) Trichlorofluoromethane	1.76	101	97439	25.287 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	62650	24.413 ug/L	98
12) 1,1-Dichloroethene	2.14	96	53749	24.151 ug/L	99
13) Acetone	2.21	43	48044	39.073 ug/L	98
14) Carbon disulfide	2.32	76	145989	22.956 ug/L	100
15) Methyl Acetate	2.47	43	41572	27.324 ug/L	100
16) Methylene chloride	2.53	84	62161	23.077 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	151959	27.875 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	58925	24.983 ug/L	98
19) 1,1-Dichloroethane	3.23	63	99598	25.429 ug/L	98
21) 2-Butanone	4.04	43	58044	53.970 ug/L #	88
22) cis-1,2-Dichloroethene	3.96	96	65264	25.884 ug/L	98

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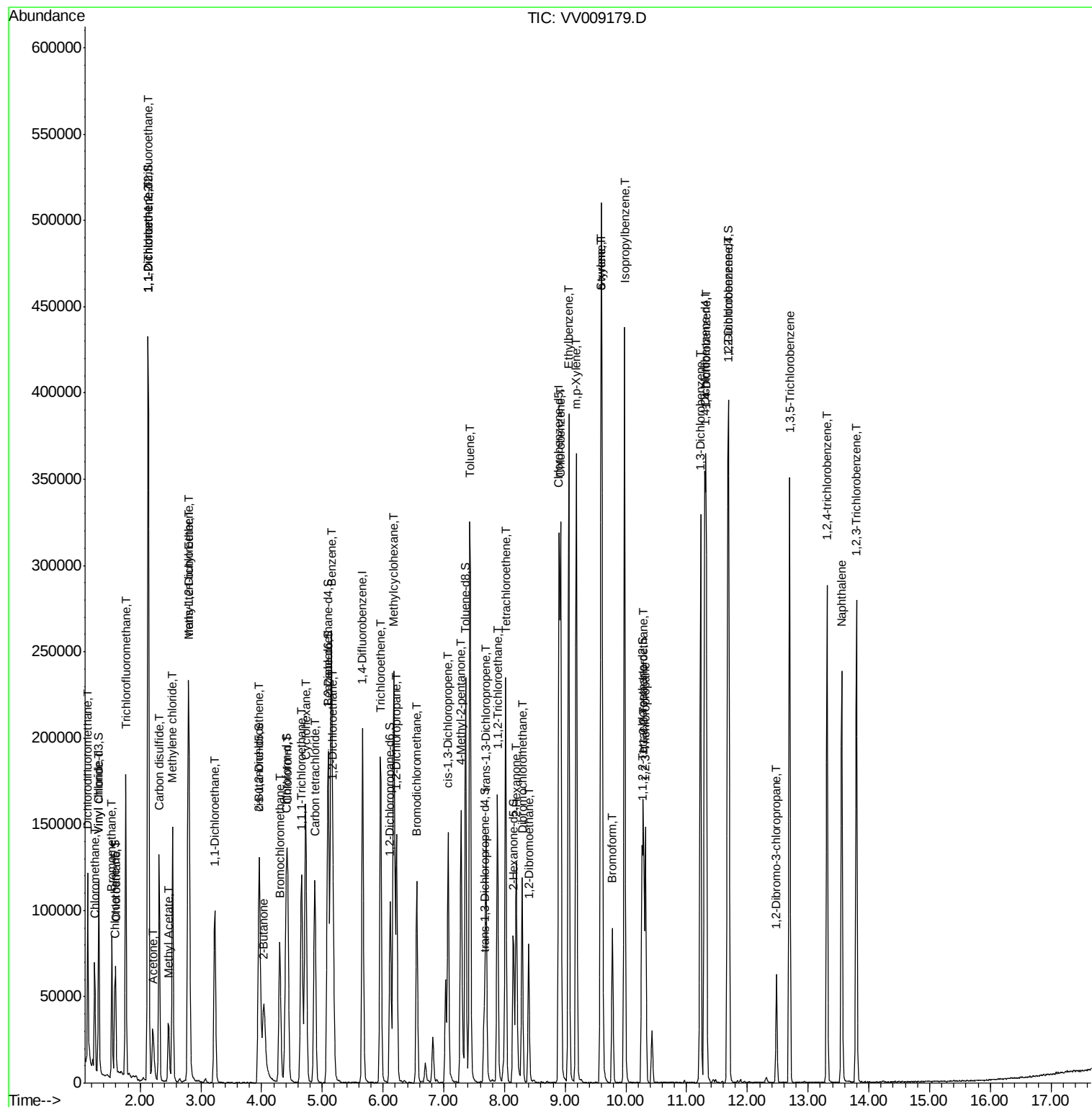
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	31262	26.354	ug/L	95
25) Chloroform	4.43	83	106614	25.561	ug/L	97
27) 1,2-Dichloroethane	5.18	62	73803	26.343	ug/L	100
30) Cyclohexane	4.73	56	87194	22.995	ug/L	100
31) 1,1,1-Trichloroethane	4.66	97	99135	23.839	ug/L	99
32) Carbon tetrachloride	4.88	117	90631	23.811	ug/L	100
34) Benzene	5.15	78	220278	23.957	ug/L	100
35) Trichloroethene	5.96	95	64738	24.439	ug/L	97
36) Methylcyclohexane	6.18	83	102712	23.206	ug/L	99
40) 1,2-Dichloropropane	6.22	63	55573	25.076	ug/L	100
41) Bromodichloromethane	6.56	83	77373	25.470	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	86399	24.602	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	113098	53.538	ug/L	99
44) Toluene	7.43	91	240162	24.226	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	80194	26.082	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	51734	26.411	ug/L	96
47) Tetrachloroethene	8.02	164	52944	23.069	ug/L	96
49) 2-Hexanone	8.19	43	80869	52.016	ug/L	99
50) Dibromochloromethane	8.29	129	62651	26.036	ug/L	100
51) 1,2-Dibromoethane	8.40	107	53515	26.128	ug/L	96
52) Chlorobenzene	8.93	112	167665	24.650	ug/L	99
53) Ethylbenzene	9.06	91	278090	24.805	ug/L	99
54) m,p-Xylene	9.18	106	106195	24.313	ug/L	100
55) o-xylene	9.59	106	102613	25.407	ug/L	100
56) Styrene	9.60	104	178206	26.160	ug/L	98
57) Isopropylbenzene	9.98	105	285920	25.516	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	74216	28.279	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	60166	28.682	ug/L	99
62) Bromoform	9.78	173	40667	25.880	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	138379	24.683	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	138605	23.718	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	133858	25.066	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	14582	26.301	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	107440	23.763	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	88390	24.018	ug/L	99
69) Naphthalene	13.55	128	186195	24.839	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	83983	24.867	ug/L	97

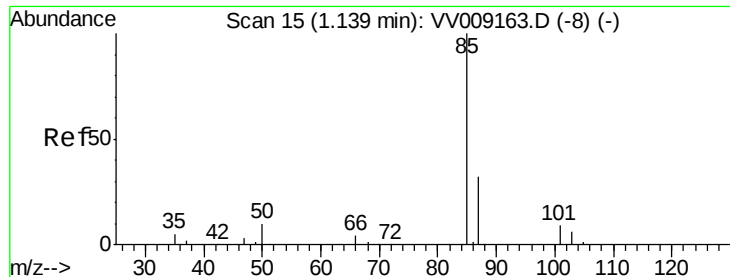
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 22.946 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

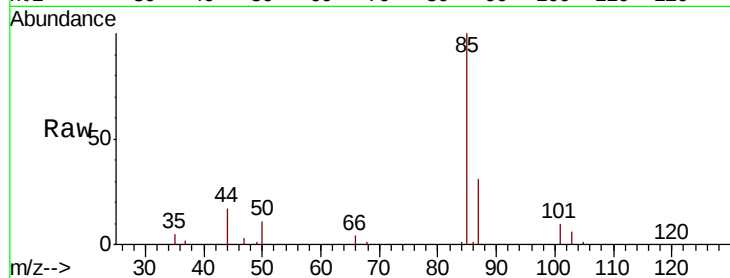
VSTD02574

Tgt Ion: 85 Resp: 66503

Ion Ratio Lower Upper

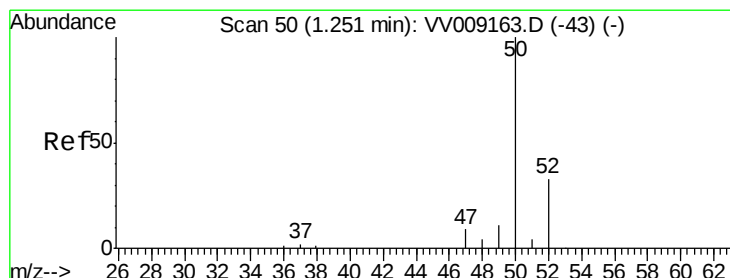
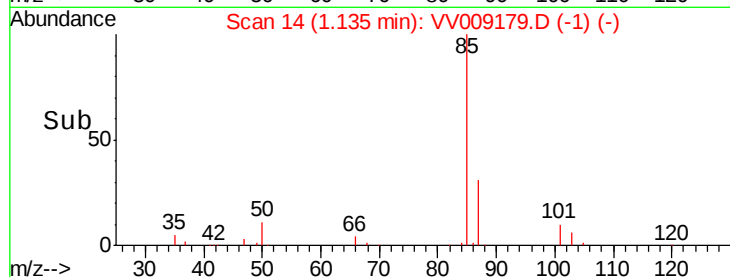
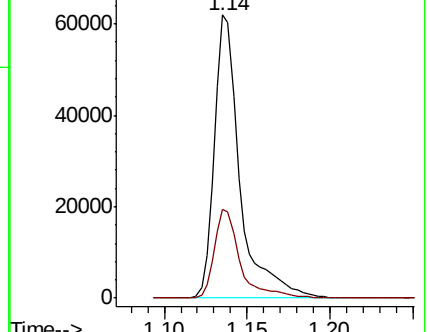
85 100

87 31.7 22.5 41.7



Abundance Ion 85.00 (84.70 to 85.70): VV009163.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009163.D (-8) (-)



#3

Chloromethane

Concen: 23.276 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009179.D

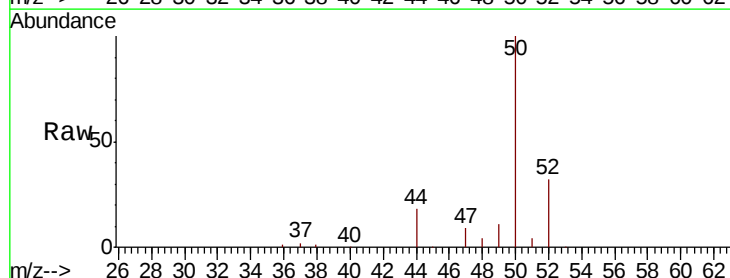
Acq: 05 Jan 2019 00:28

Tgt Ion: 50 Resp: 45688

Ion Ratio Lower Upper

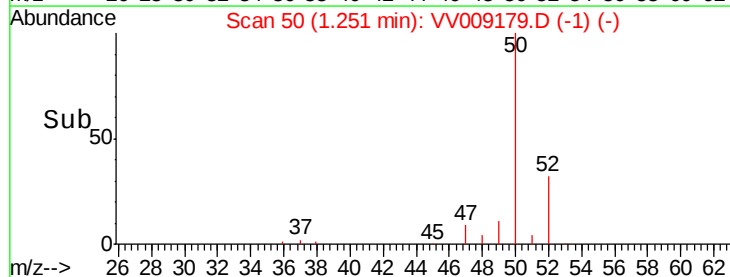
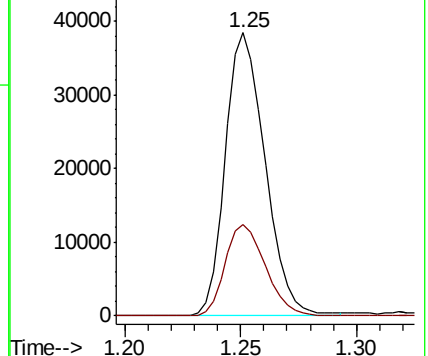
50 100

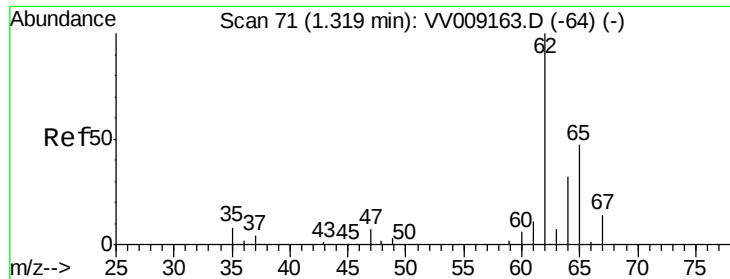
52 32.4 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV009163.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009163.D (-43) (-)





#5

Vinyl chloride

Concen: 23.218 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

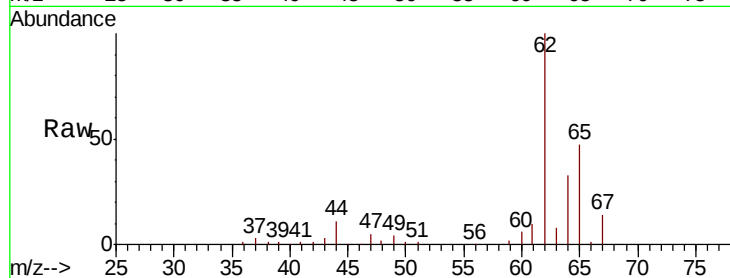
VSTD02574

Tgt Ion: 62 Resp: 48799

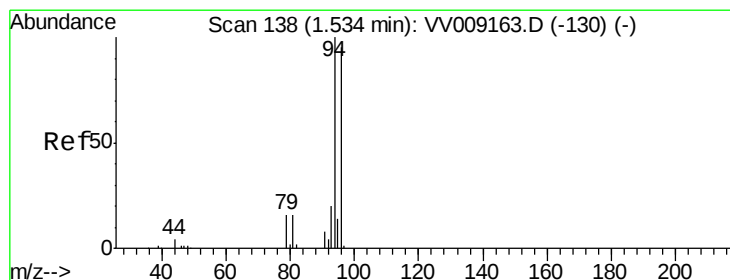
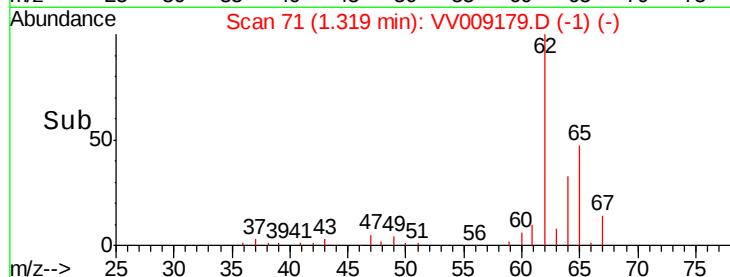
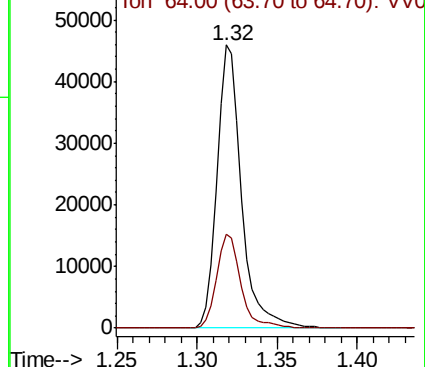
Ion Ratio Lower Upper

62 100

64 33.4 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV009163.D (-64) (-)



#6

Bromomethane

Concen: 22.234 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV009179.D

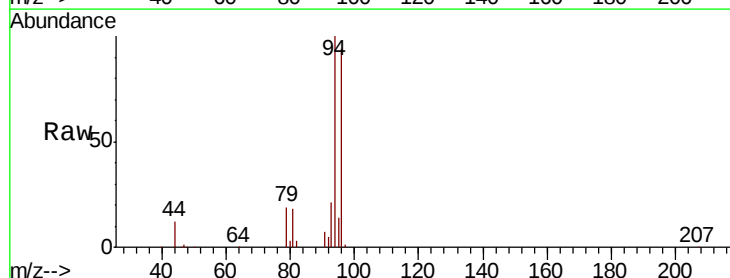
Acq: 05 Jan 2019 00:28

Tgt Ion: 94 Resp: 32917

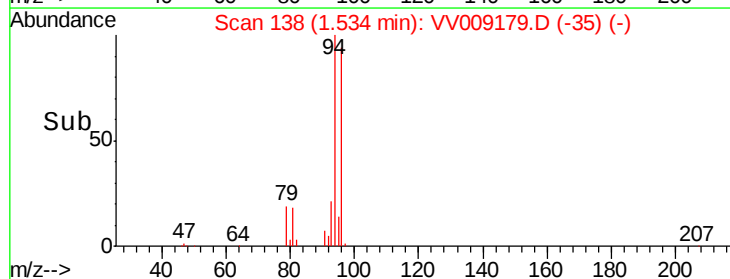
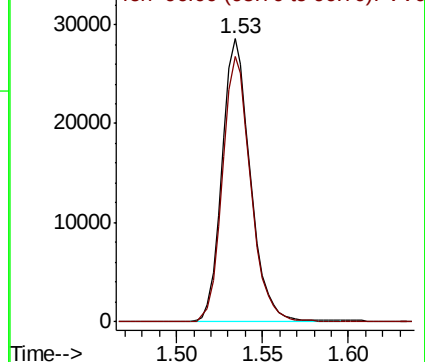
Ion Ratio Lower Upper

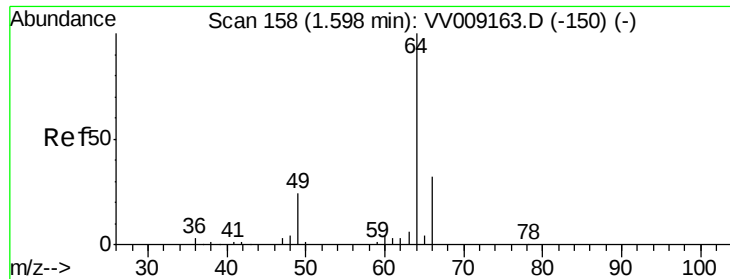
94 100

96 93.0 9.7 185.1



Abundance Ion 94.00 (93.70 to 94.70): VV009163.D (-130) (-)





#8

Chloroethane

Concen: 23.585 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

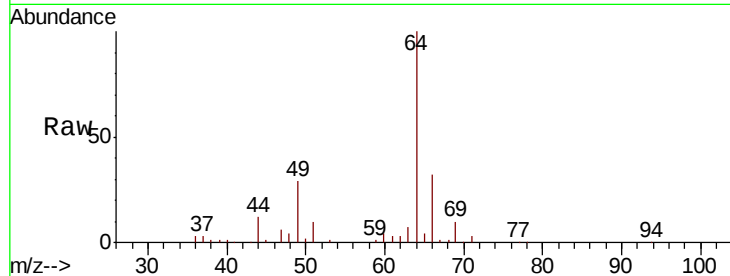
VSTD02574

Tgt Ion: 64 Resp: 30549

Ion Ratio Lower Upper

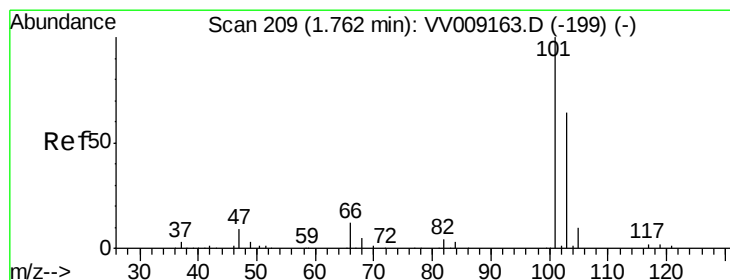
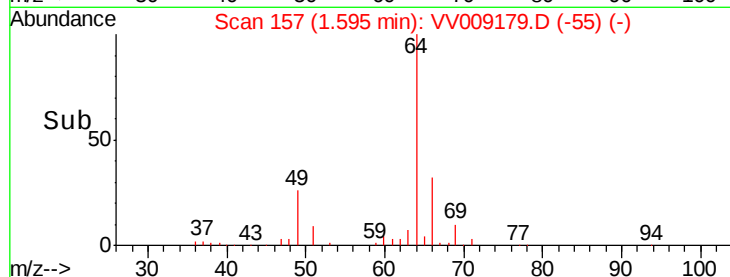
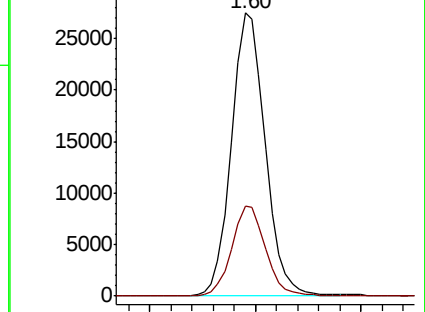
64 100

66 31.8 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV009179.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV009179.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 25.287 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009179.D

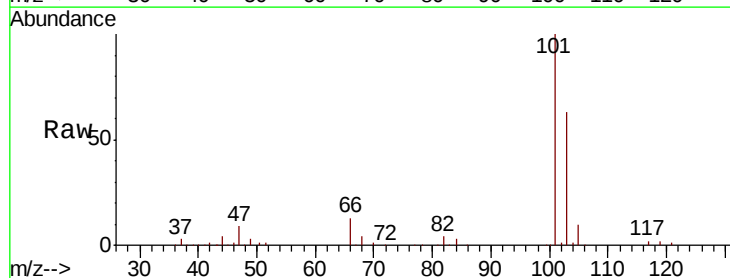
Acq: 05 Jan 2019 00:28

Tgt Ion: 101 Resp: 97439

Ion Ratio Lower Upper

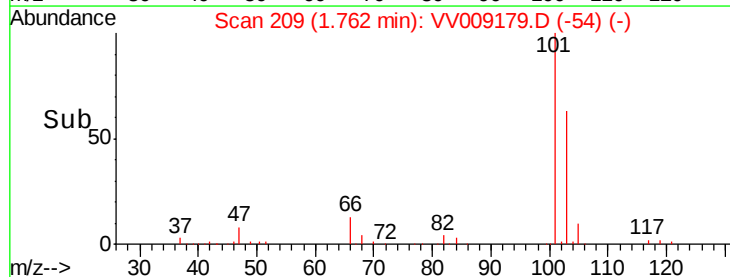
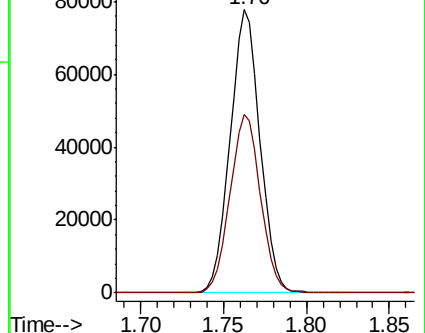
101 100

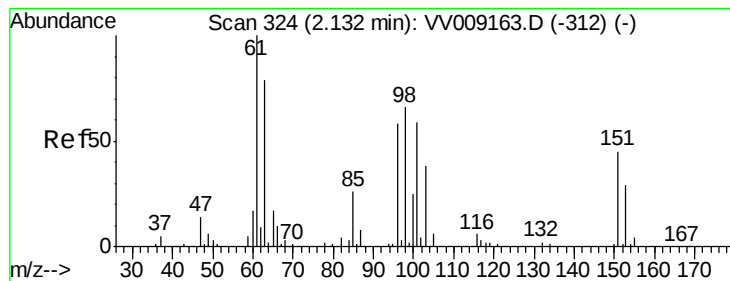
103 64.3 46.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): VV009179.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV009179.D (-199) (-)





#11

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

Concen: 24.413 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

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ClientSampleId :

VSTD02574

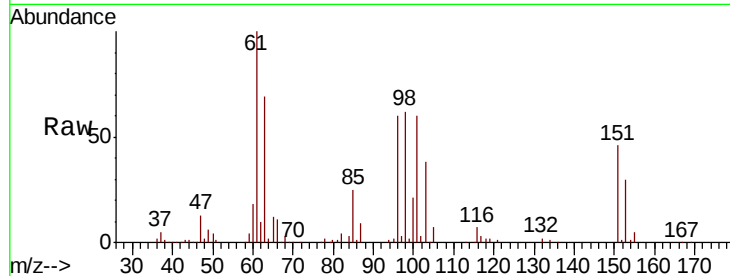
Tgt Ion:101 Resp: 62650

Ion Ratio Lower Upper

101 100

85 42.6 34.6 52.0

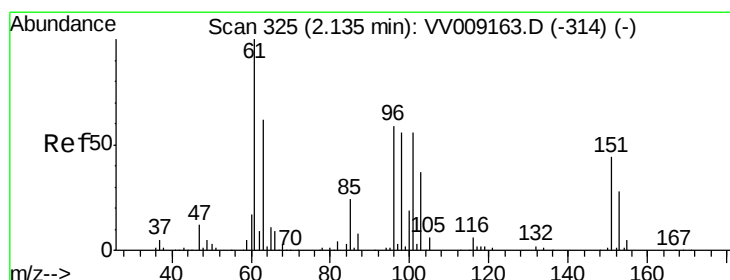
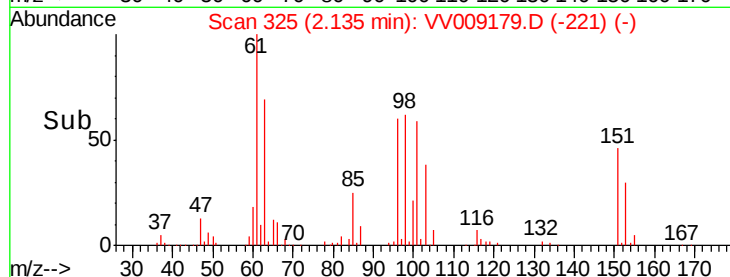
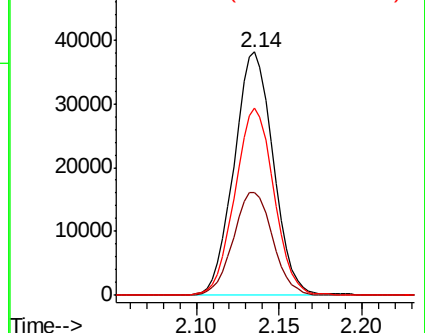
151 76.3 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.151 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

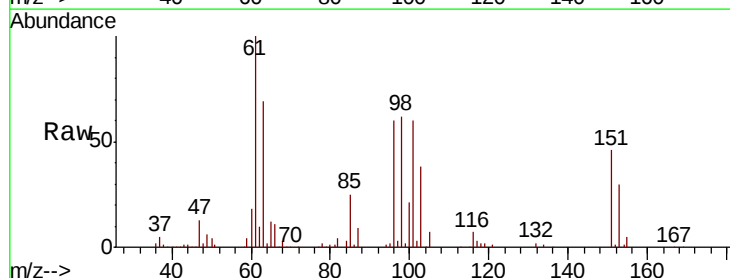
Tgt Ion: 96 Resp: 53749

Ion Ratio Lower Upper

96 100

61 165.4 117.0 217.4

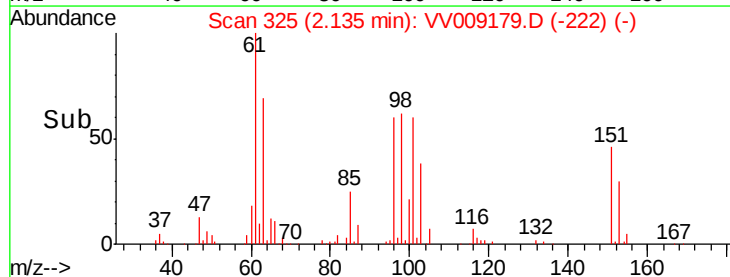
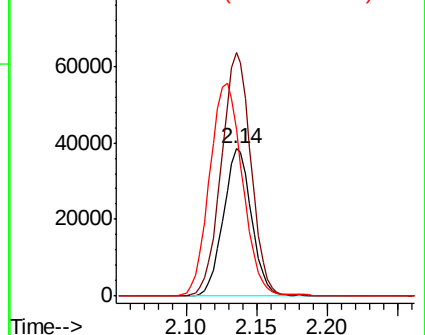
63 113.3 78.2 145.2

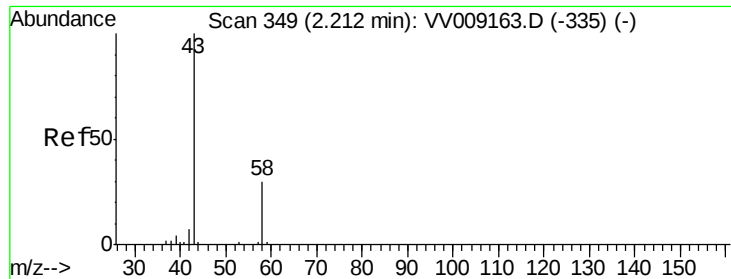


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 39.073 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

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ClientSampleId :

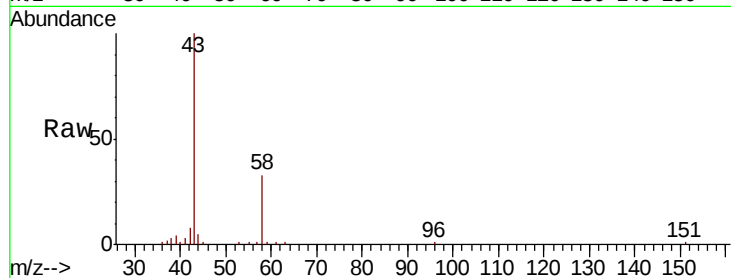
VSTD02574

Tgt Ion: 43 Resp: 48044

Ion Ratio Lower Upper

43 100

58 32.4 0.0 67.0



Abundance Ion 43.00 (42.70 to 43.70): VV009163.D (-335) (-)

Ion 58.00 (57.70 to 58.70): VV009163.D (-335) (-)

20000

15000

10000

5000

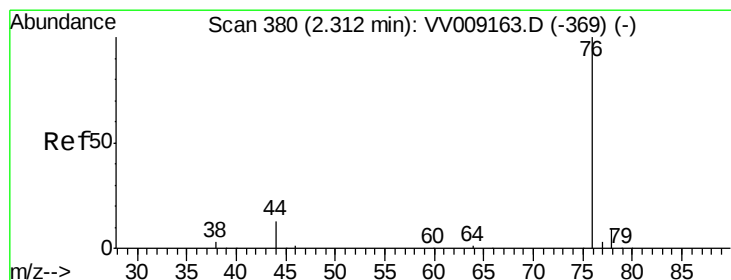
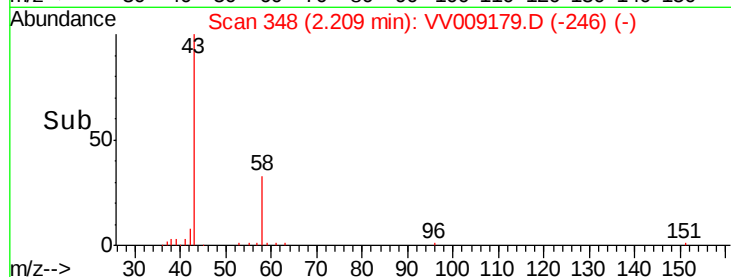
0

2.10

2.20

2.30

Time-->



#14

Carbon disulfide

Concen: 22.956 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009179.D

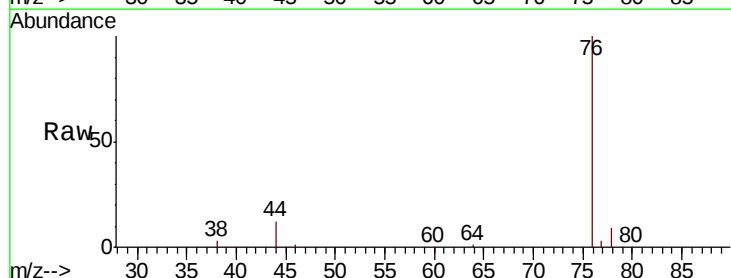
Acq: 05 Jan 2019 00:28

Tgt Ion: 76 Resp: 145989

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV009163.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009163.D (-369) (-)

120000

100000

80000

60000

40000

20000

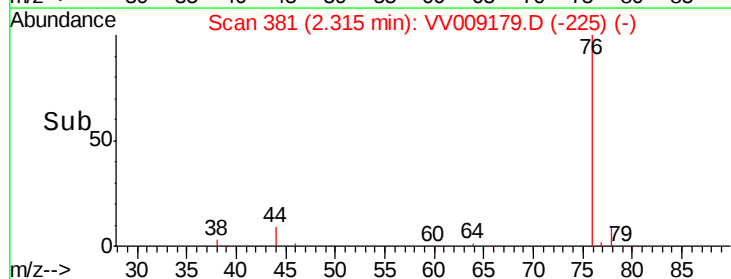
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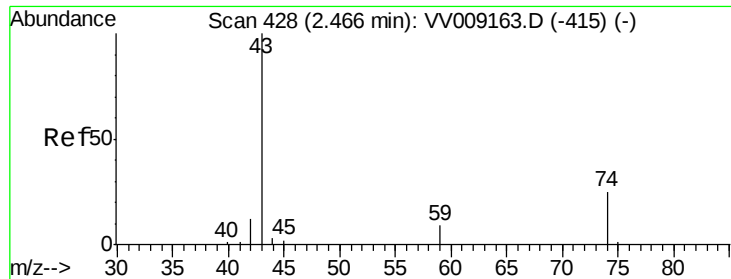
2.25

2.30

2.35

Time-->

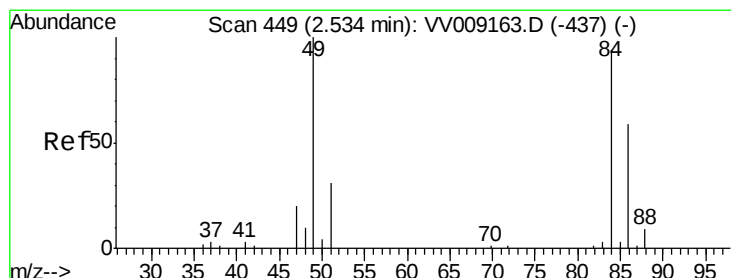
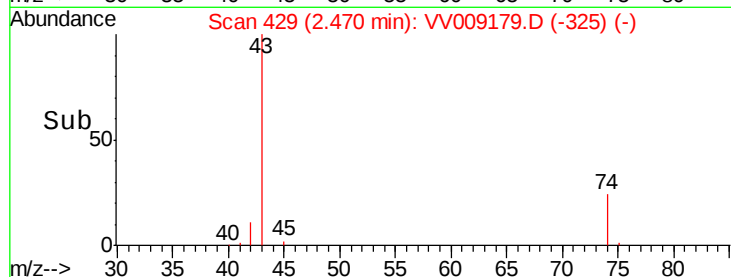
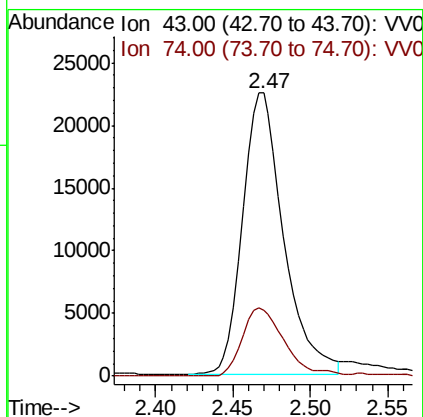
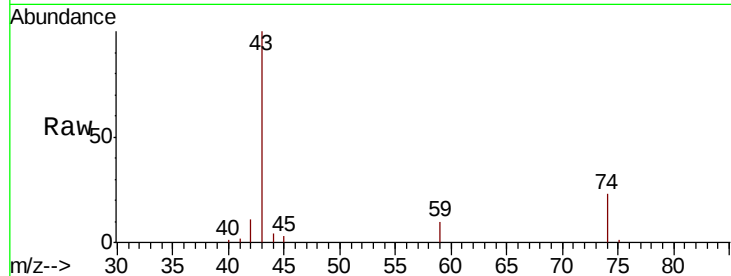




#15
Methyl Acetate
Concen: 27.324 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV009179.D
Acq: 05 Jan 2019 00:28

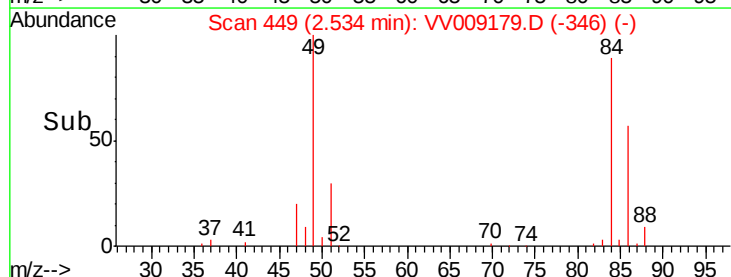
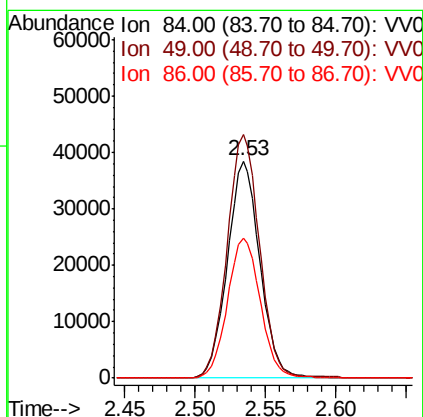
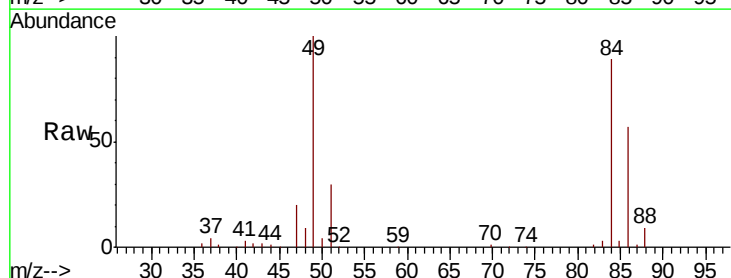
Instrument :
MSVOA_V
ClientSampleId :
VSTD02574

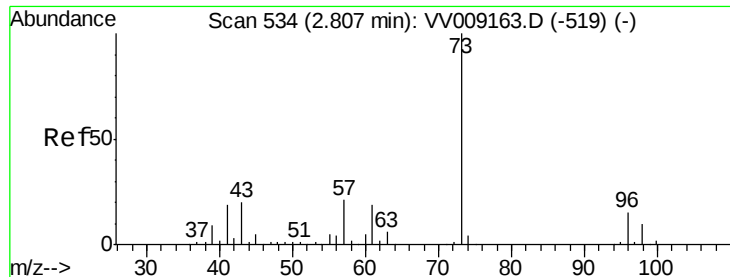
Tgt Ion: 43 Resp: 41572
Ion Ratio Lower Upper
43 100
74 24.1 19.4 29.0



#16
Methylene chloride
Concen: 23.077 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009179.D
Acq: 05 Jan 2019 00:28

Tgt Ion: 84 Resp: 62161
Ion Ratio Lower Upper
84 100
49 112.2 77.6 144.2
86 64.2 47.4 88.0

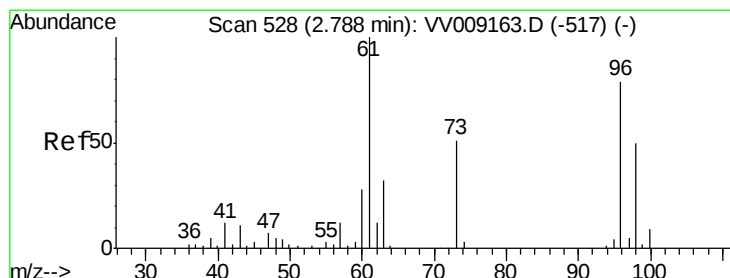
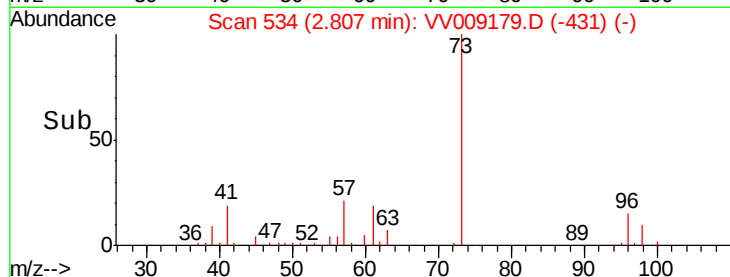
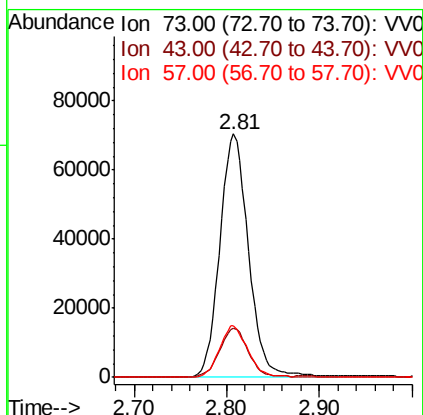
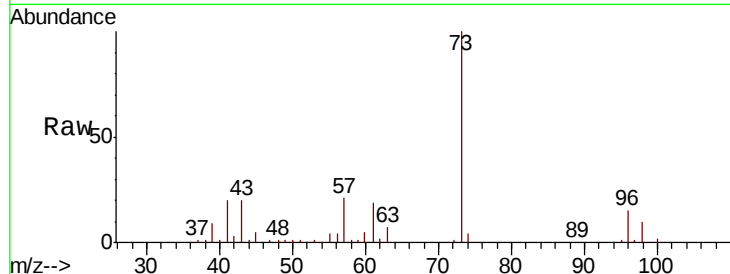




#17
Methyl tert-butyl Ether
Concen: 27.875 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009179.D
Acq: 05 Jan 2019 00:28

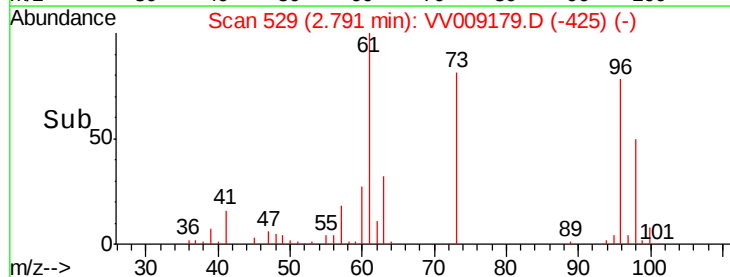
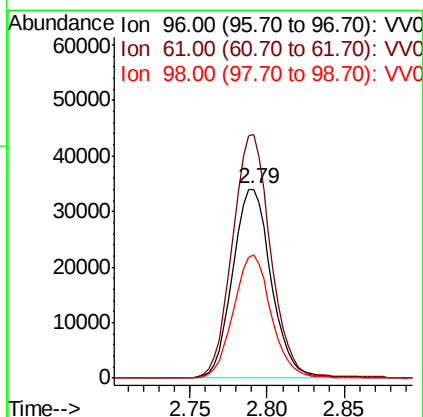
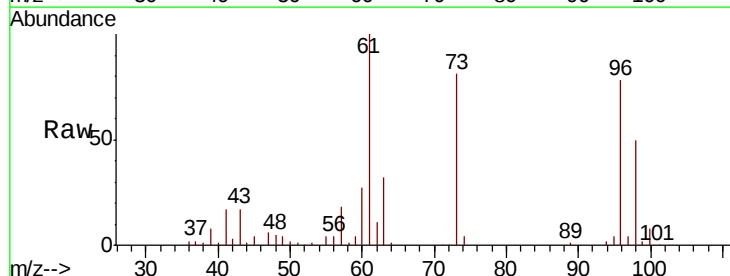
Instrument :
MSVOA_V
ClientSampleId :
VSTD02574

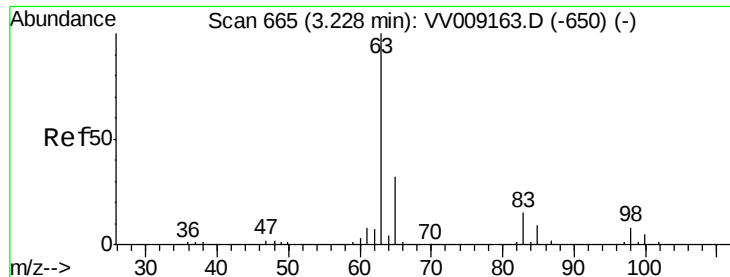
Tgt Ion: 73 Resp: 151959
Ion Ratio Lower Upper
73 100
43 19.5 15.4 23.2
57 21.0 16.2 24.2



#18
trans-1,2-Dichloroethene
Concen: 24.983 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009179.D
Acq: 05 Jan 2019 00:28

Tgt Ion: 96 Resp: 58925
Ion Ratio Lower Upper
96 100
61 128.8 88.8 164.8
98 64.9 43.5 80.9

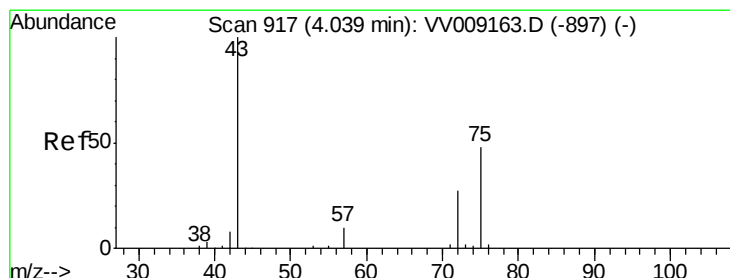
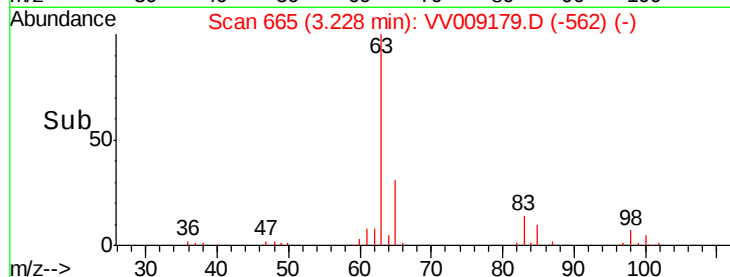
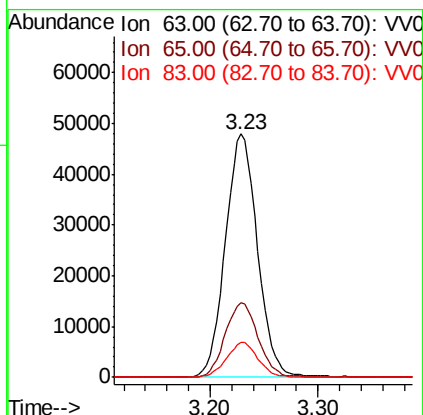
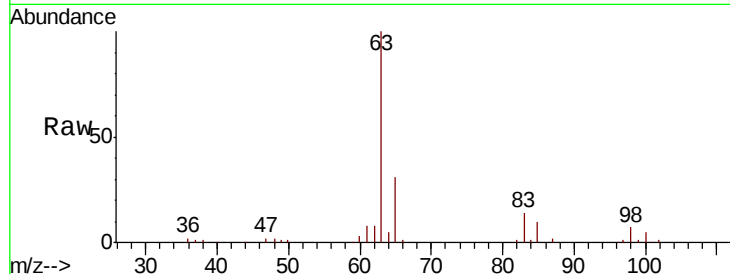




#19
 1,1-Dichloroethane
 Concen: 25.429 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

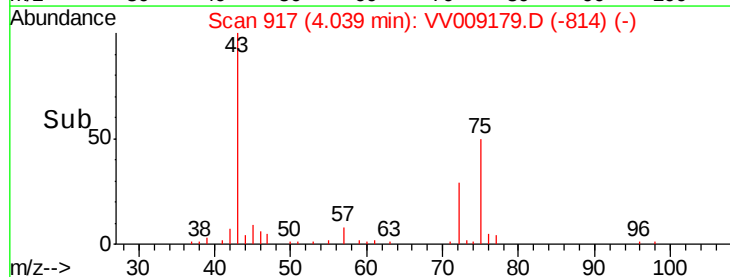
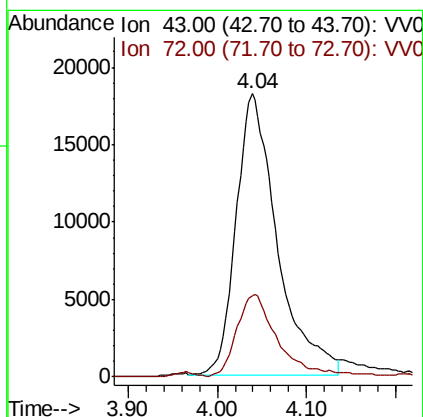
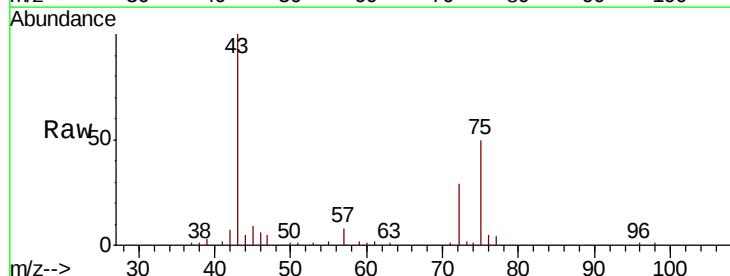
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

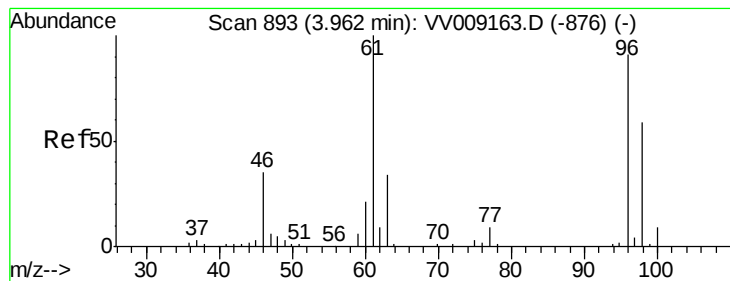
Tgt Ion: 63 Resp: 99598
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.6 42.0
 83 14.2 9.9 18.3



#21
 2-Butanone
 Concen: 53.970 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

Tgt Ion: 43 Resp: 58044
 Ion Ratio Lower Upper
 43 100
 72 27.6 0.1 0.1#



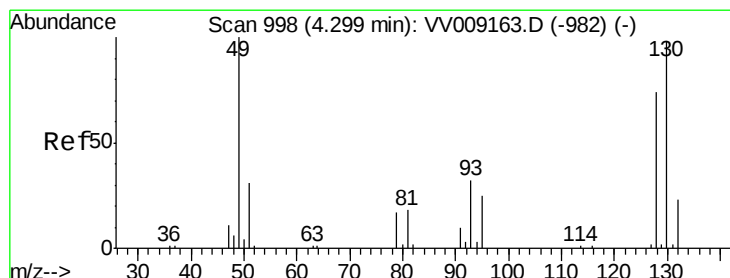
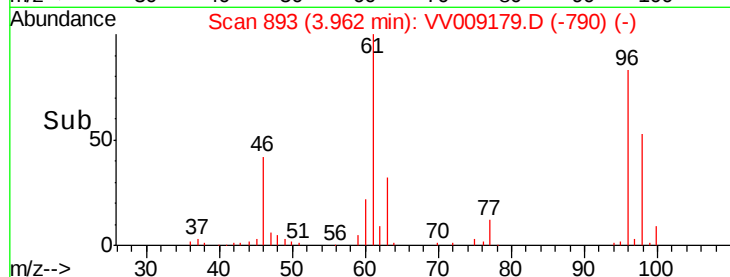
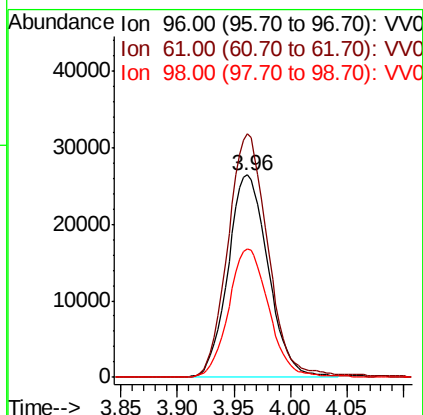
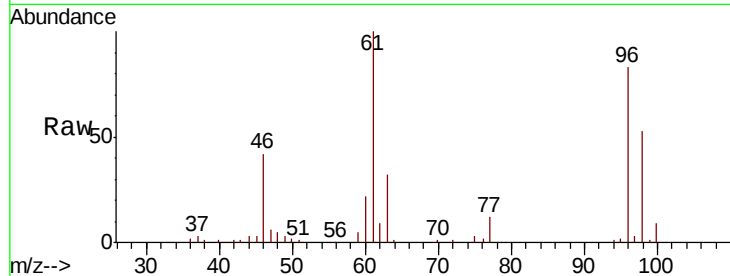


#22

cis-1,2-Dichloroethene
 Concen: 25.884 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

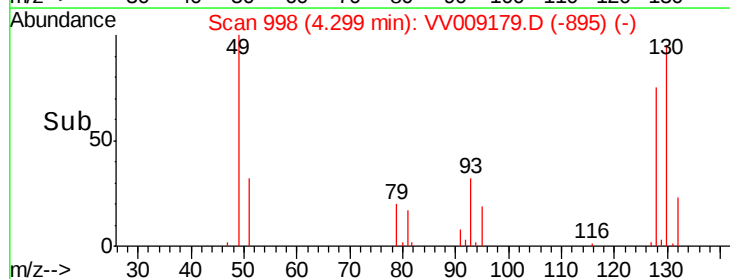
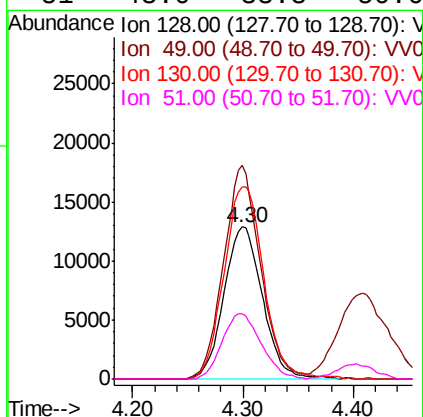
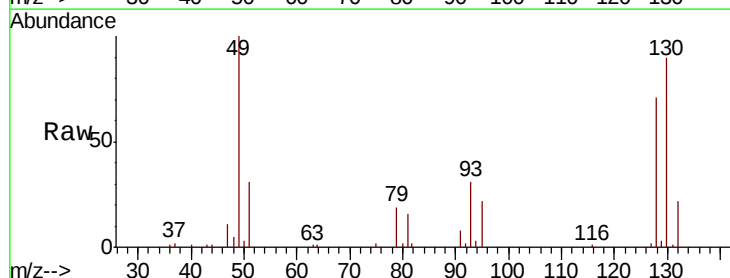
Tgt Ion: 96 Resp: 65264
 Ion Ratio Lower Upper
 96 100
 61 120.3 83.2 154.6
 98 63.4 45.8 85.2

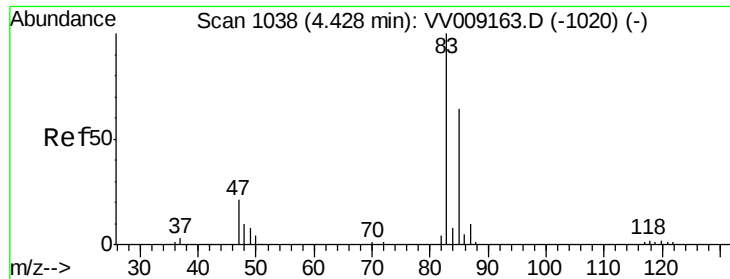


#23

Bromochloromethane
 Concen: 26.354 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

Tgt Ion: 128 Resp: 31262
 Ion Ratio Lower Upper
 128 100
 49 140.5 89.9 167.0
 130 126.2 87.8 163.2
 51 43.0 33.8 50.6

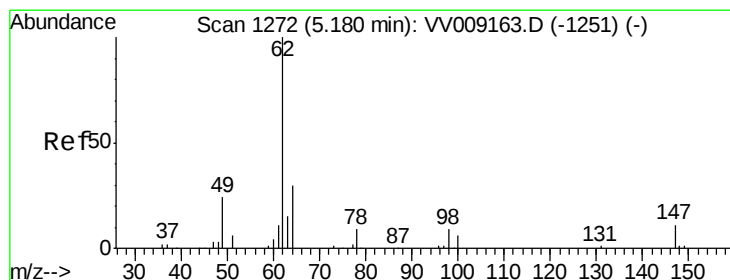
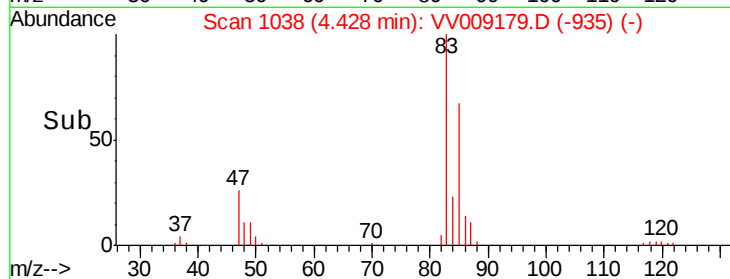
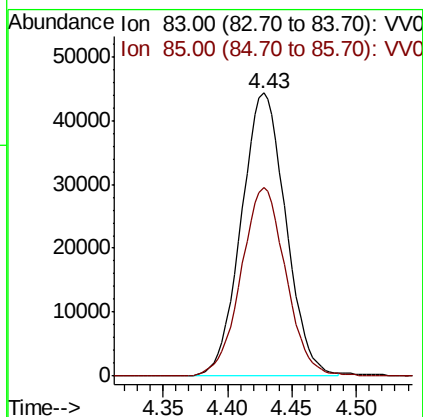
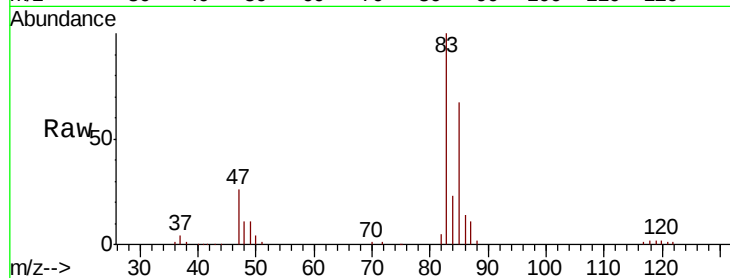




#25
Chloroform
Concen: 25.561 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009179.D
Acq: 05 Jan 2019 00:28

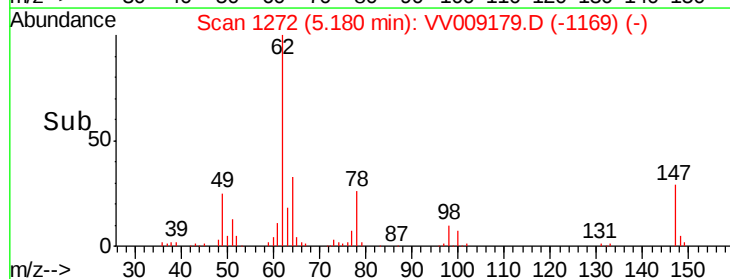
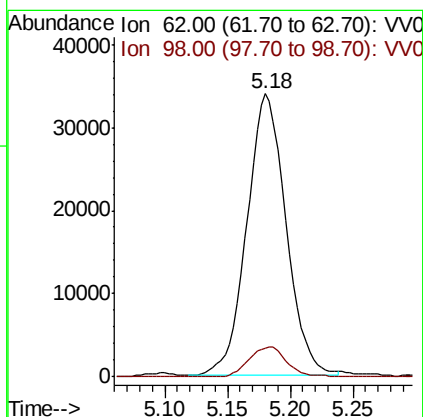
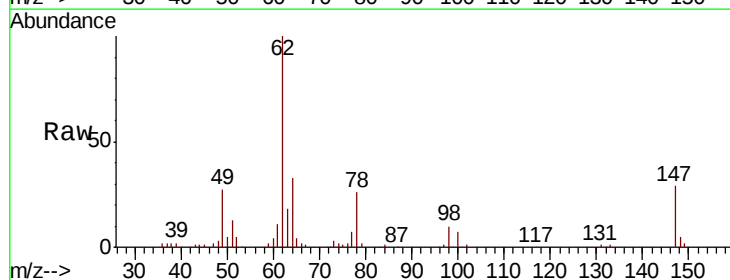
Instrument :
MSVOA_V
ClientSampleId :
VSTD02574

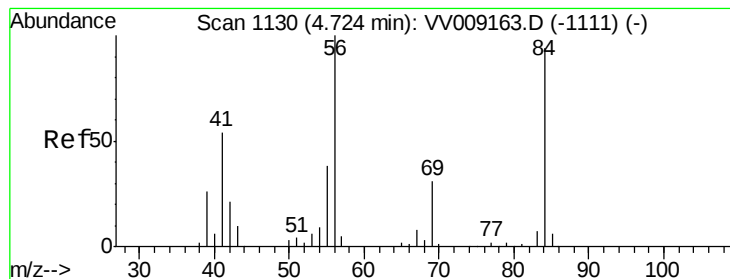
Tgt Ion: 83 Resp: 106614
Ion Ratio Lower Upper
83 100
85 67.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 26.343 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009179.D
Acq: 05 Jan 2019 00:28

Tgt Ion: 62 Resp: 73803
Ion Ratio Lower Upper
62 100
98 10.0 8.1 12.1





#30

Cyclohexane

Concen: 22.995 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD02574

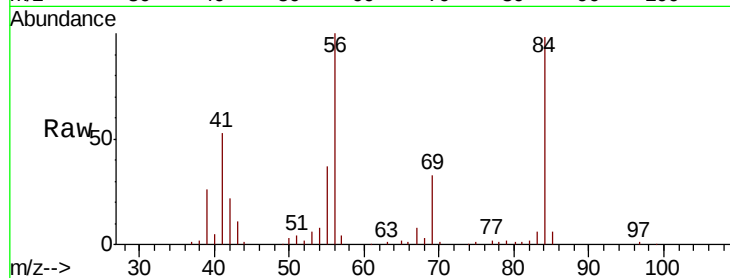
Tgt Ion: 56 Resp: 87194

Ion Ratio Lower Upper

56 100

69 33.3 26.0 39.0

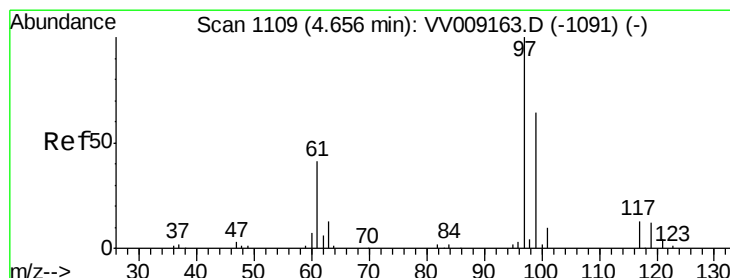
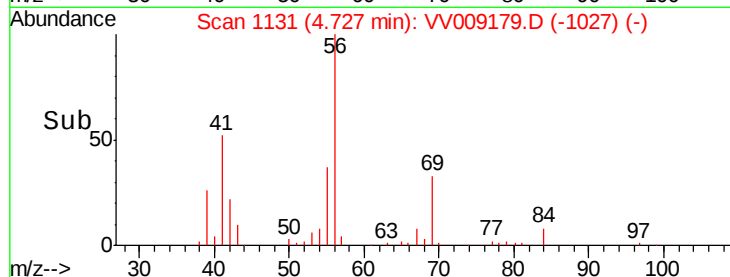
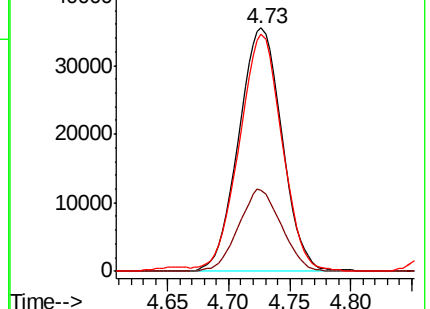
84 96.2 77.0 115.4



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: 23.839 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

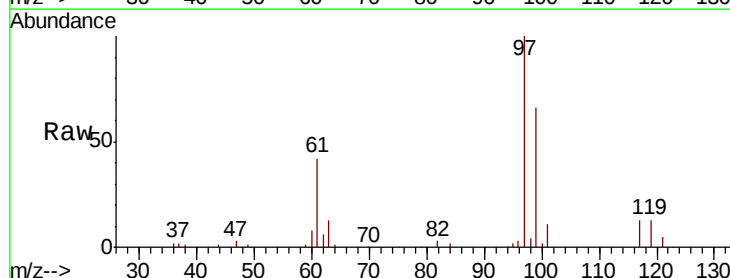
Tgt Ion: 97 Resp: 99135

Ion Ratio Lower Upper

97 100

99 64.9 51.2 76.8

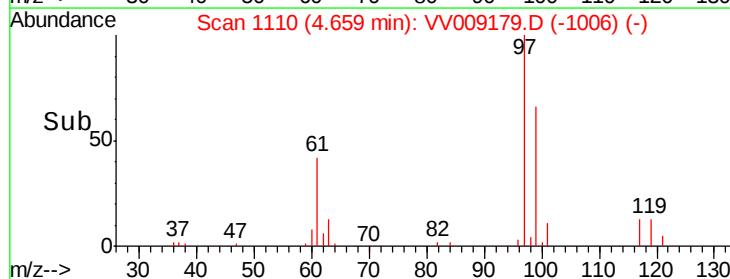
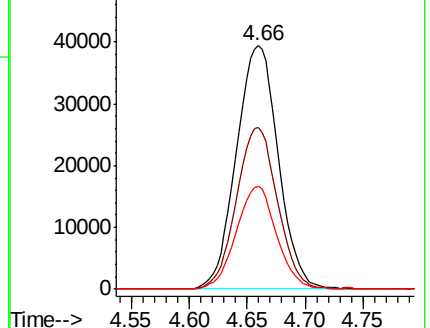
61 40.8 31.8 47.6

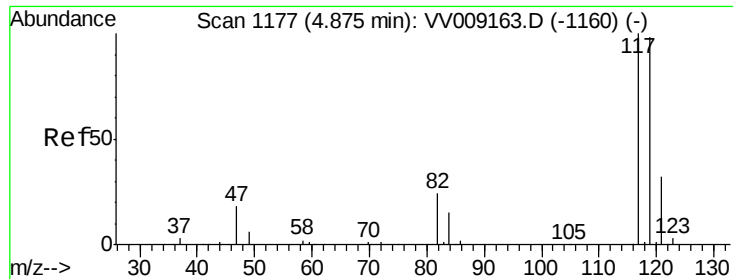


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 23.811 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

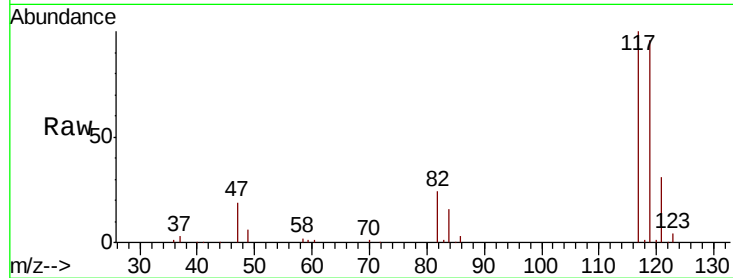
VSTD02574

Tgt Ion:117 Resp: 90631

Ion Ratio Lower Upper

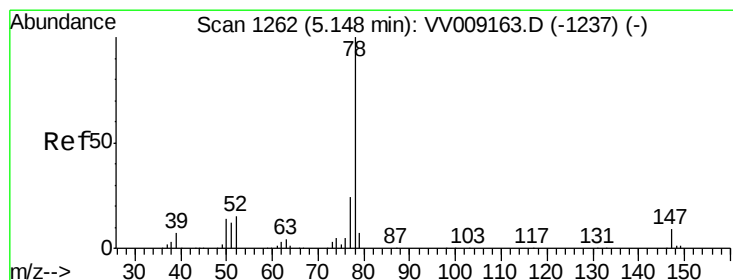
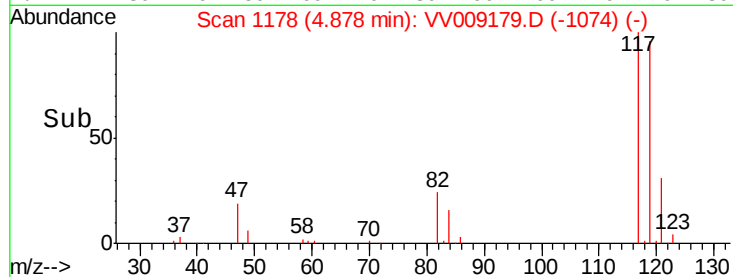
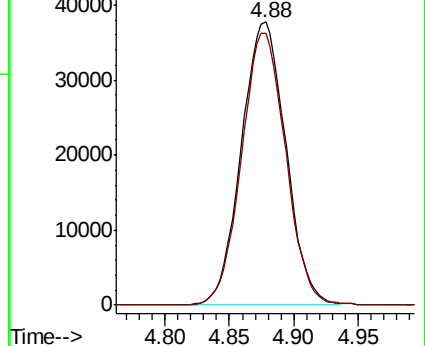
117 100

119 95.5 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 23.957 ug/L

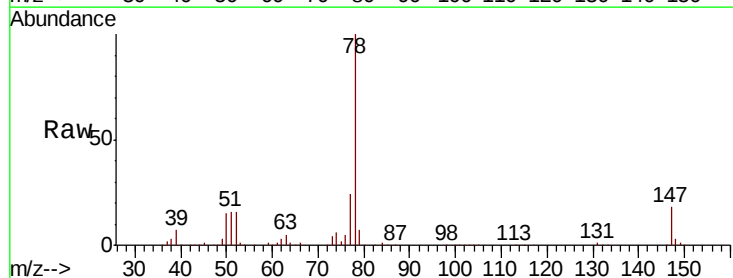
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

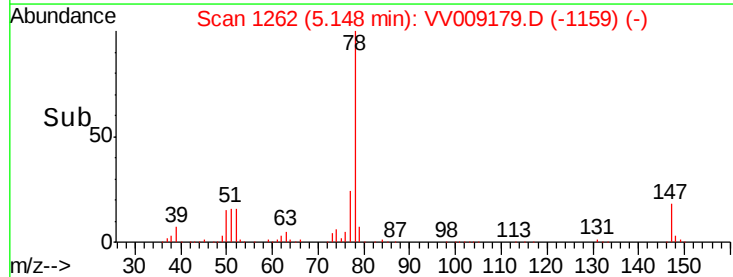
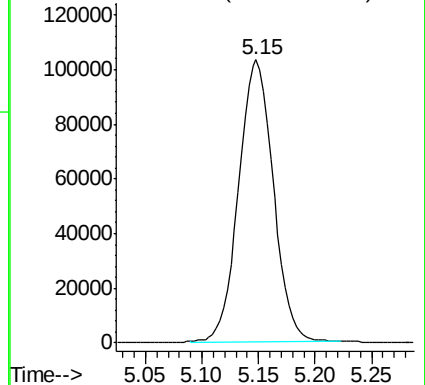
Lab File: VV009179.D

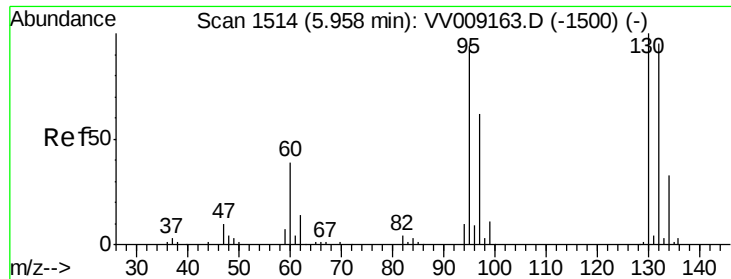
Acq: 05 Jan 2019 00:28

Tgt Ion: 78 Resp: 220278



Abundance Ion 78.00 (77.70 to 78.70): VV0

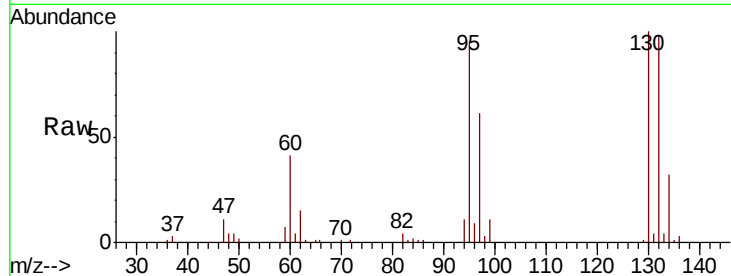




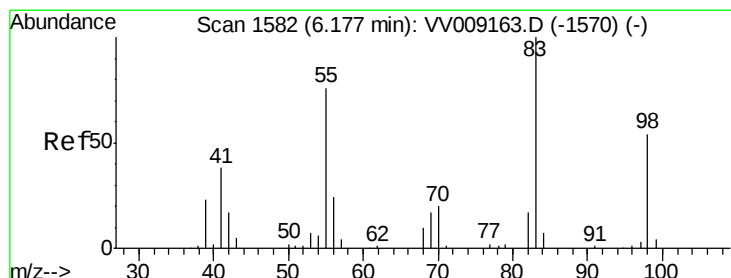
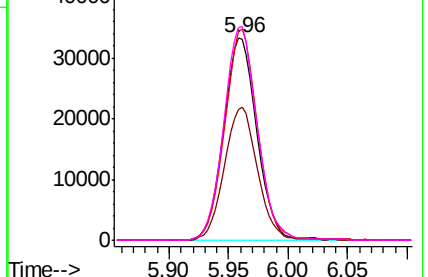
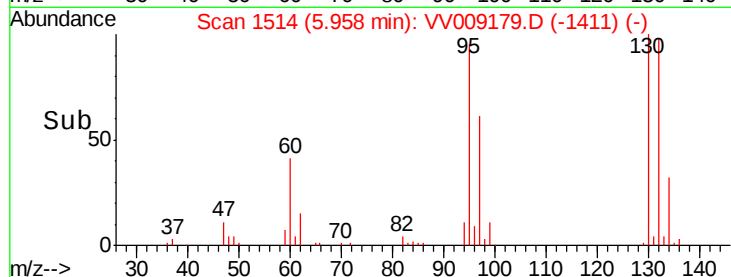
#35
 Trichloroethene
 Concen: 24.439 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

Tgt Ion: 95 Resp: 64738
 Ion Ratio Lower Upper
 95 100
 97 65.0 46.2 85.8
 132 102.8 73.9 137.3
 130 105.9 77.0 143.0

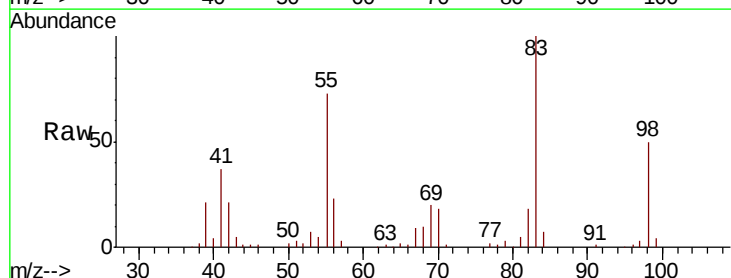


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

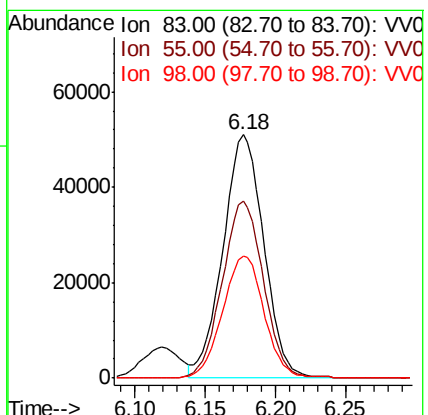
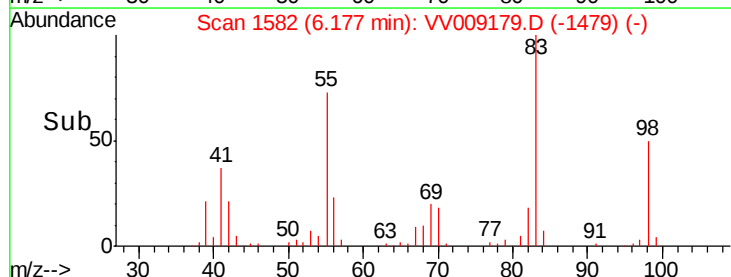


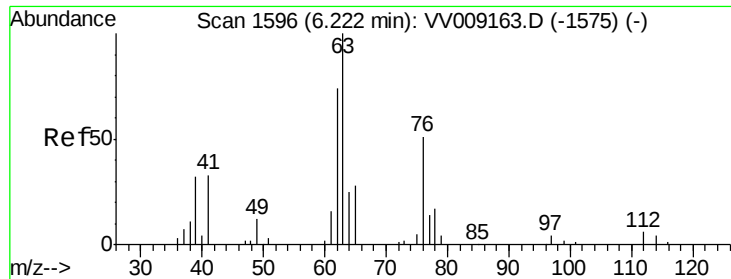
#36
 Methylcyclohexane
 Concen: 23.206 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

Tgt Ion: 83 Resp: 102712
 Ion Ratio Lower Upper
 83 100
 55 73.5 58.5 87.7
 98 50.9 41.4 62.0



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

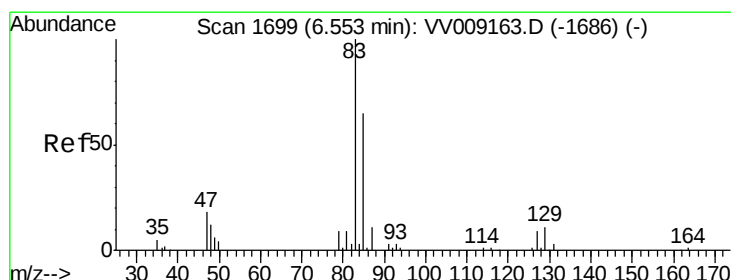
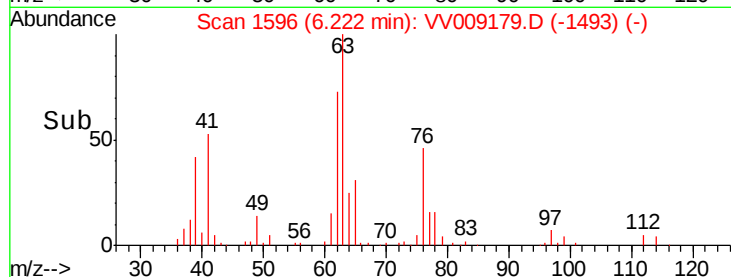
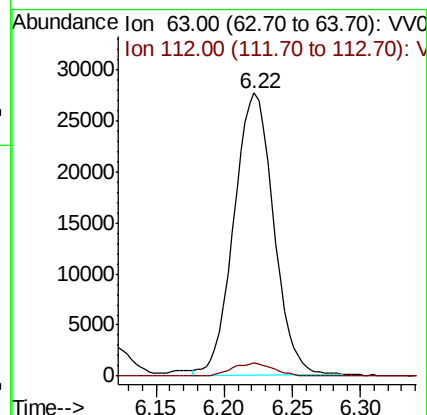
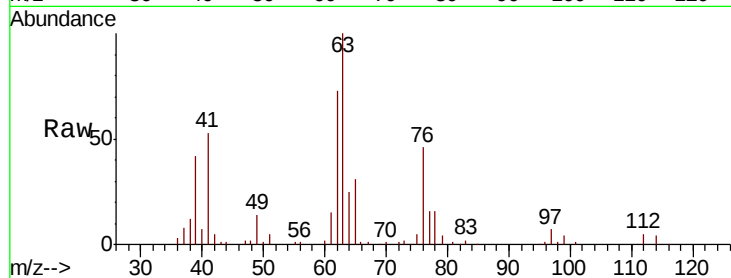




#40
 1,2-Dichloropropane
 Concen: 25.076 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

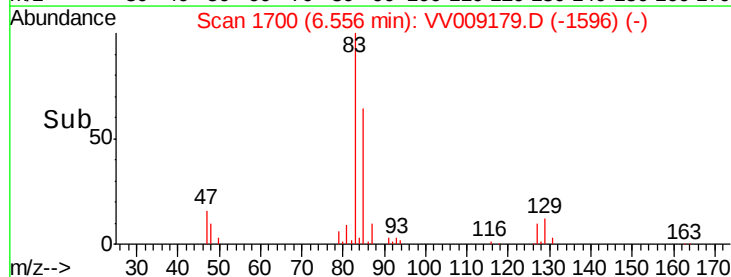
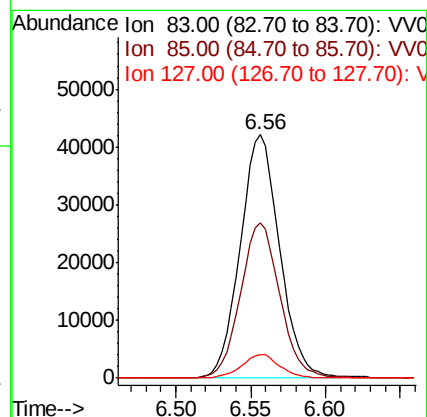
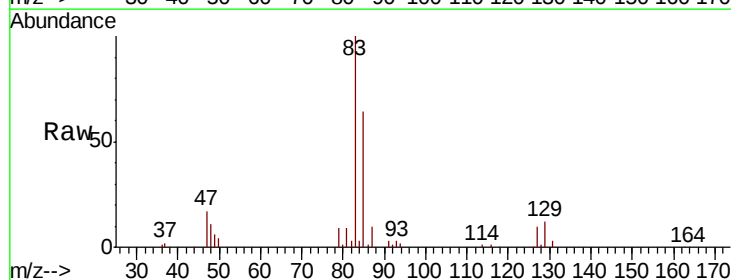
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

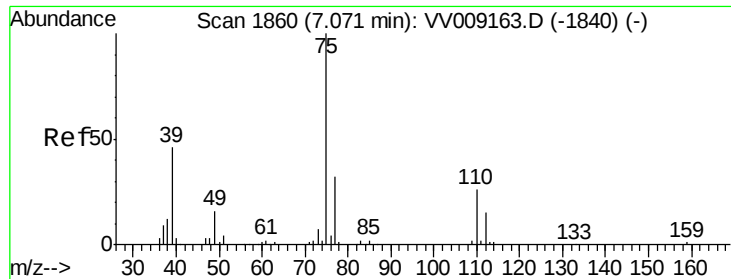
Tgt Ion: 63 Resp: 55573
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.9 5.9



#41
 Bromodichloromethane
 Concen: 25.470 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

Tgt Ion: 83 Resp: 77373
 Ion Ratio Lower Upper
 83 100
 85 63.7 45.3 84.1
 127 9.5 7.8 11.6

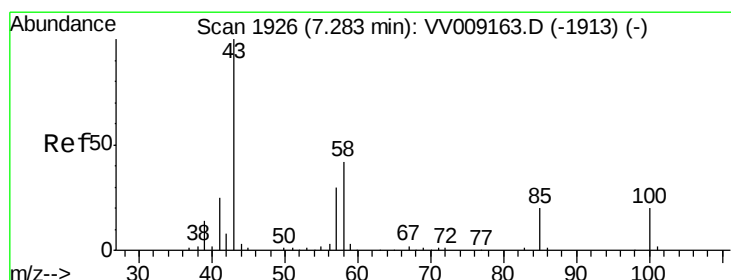
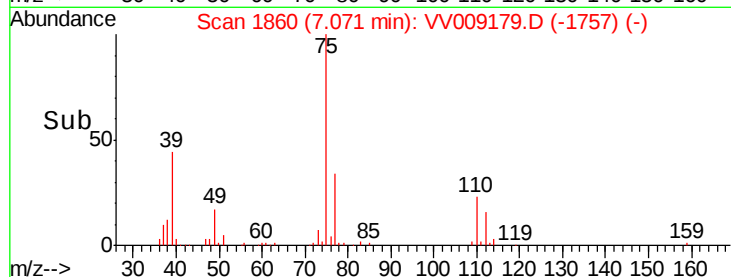
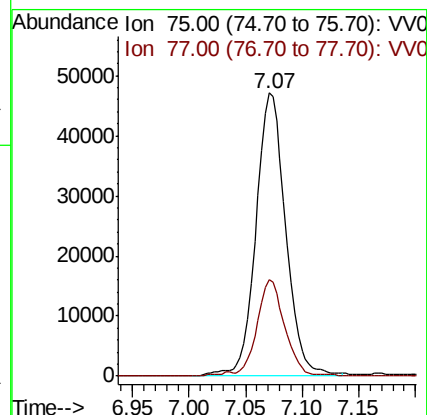
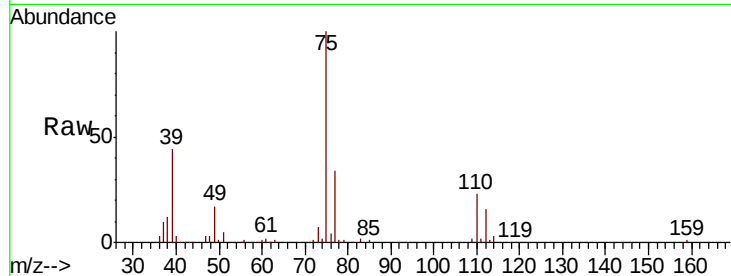




#42
 cis-1,3-Dichloropropene
 Concen: 24.602 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

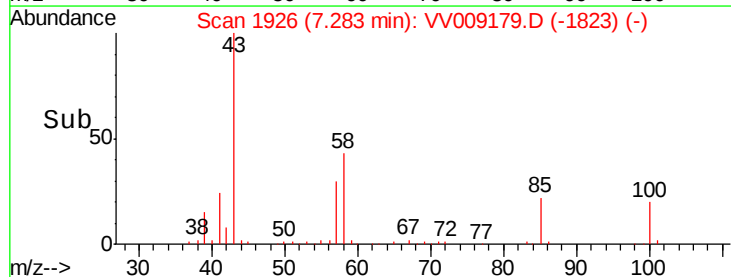
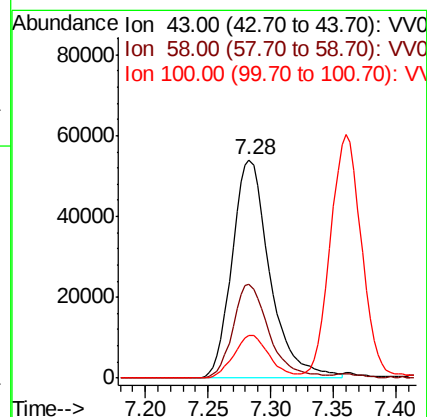
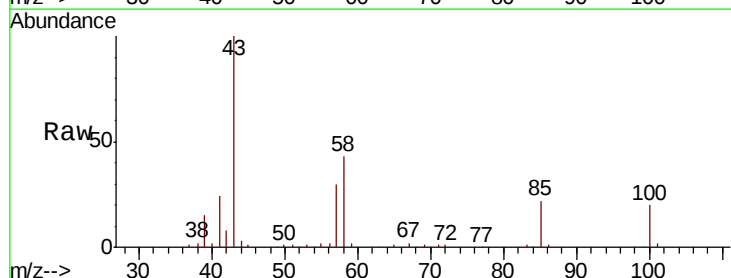
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

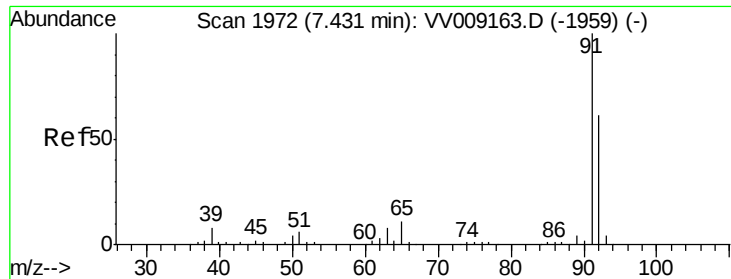
Tgt Ion: 75 Resp: 86399
 Ion Ratio Lower Upper
 75 100
 77 34.2 22.8 42.4



#43
 4-Methyl-2-pentanone
 Concen: 53.538 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

Tgt Ion: 43 Resp: 113098
 Ion Ratio Lower Upper
 43 100
 58 41.1 33.4 50.2
 100 18.6 15.2 22.8





#44

Toluene

Concen: 24.226 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

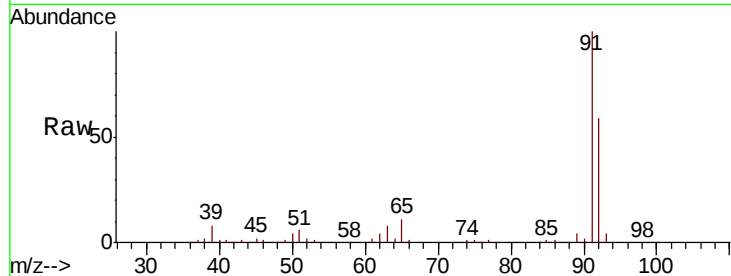
VSTD02574

Tgt Ion: 91 Resp: 240162

Ion Ratio Lower Upper

91 100

92 59.3 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV009163.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009163.D (-1959) (-)

7.43

150000

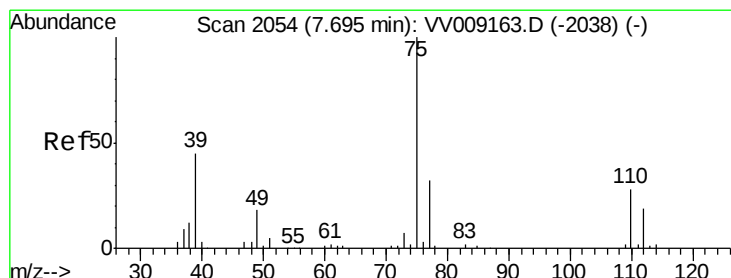
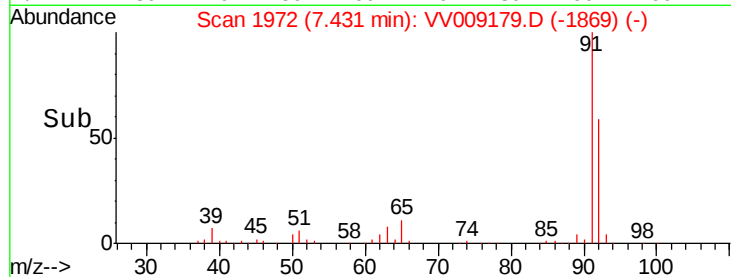
100000

50000

0

7.40 7.50

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.082 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009179.D

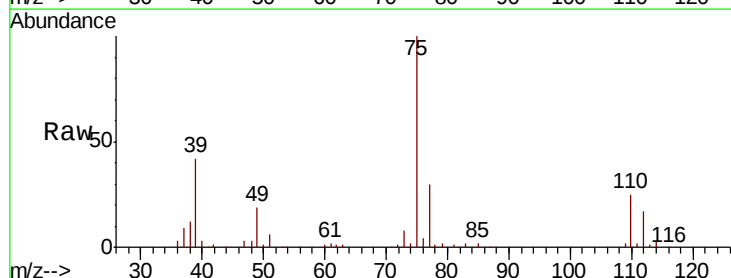
Acq: 05 Jan 2019 00:28

Tgt Ion: 75 Resp: 80194

Ion Ratio Lower Upper

75 100

77 29.9 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV009163.D (-2038) (-)

Ion 77.00 (76.70 to 77.70): VV009163.D (-2038) (-)

7.69

50000

40000

30000

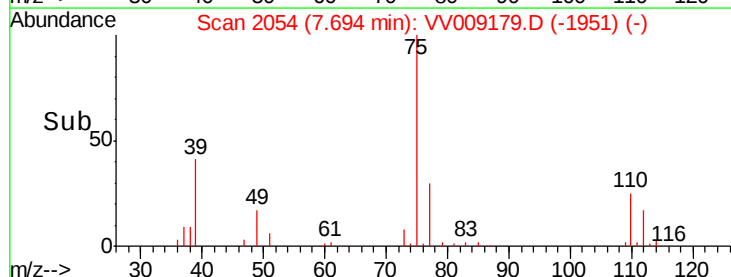
20000

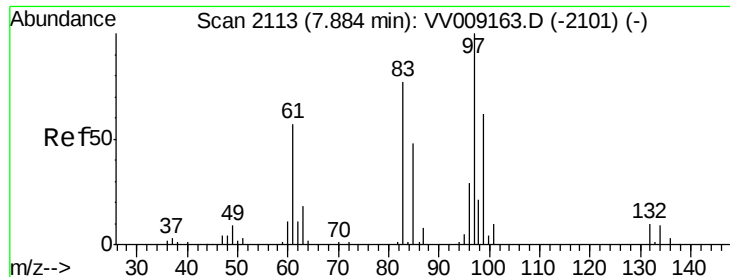
10000

0

7.60 7.70 7.80

Time-->

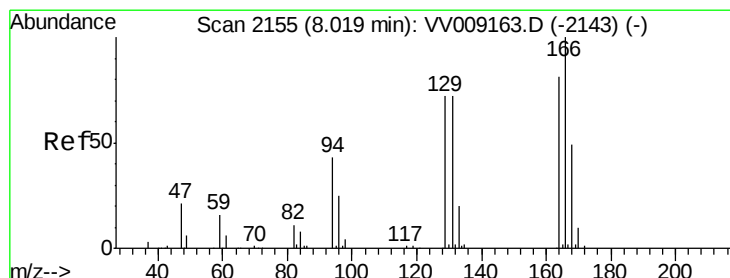
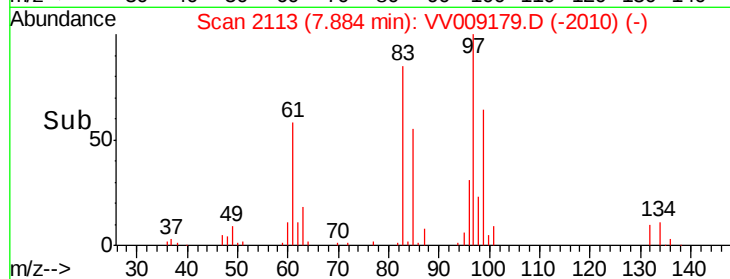
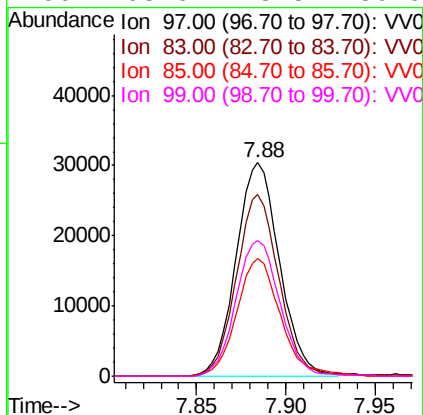
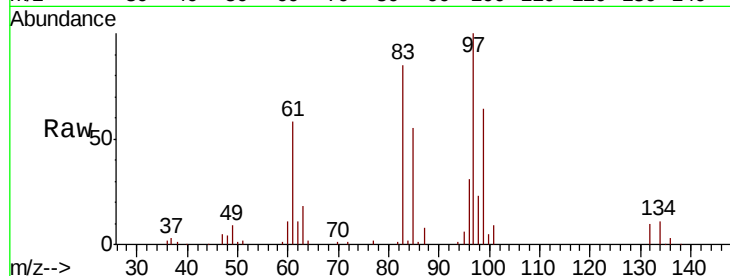




#46
1,1,2-Trichloroethane
Concen: 26.411 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. -0.00 min
Lab File: VV009179.D
Acq: 05 Jan 2019 00:28

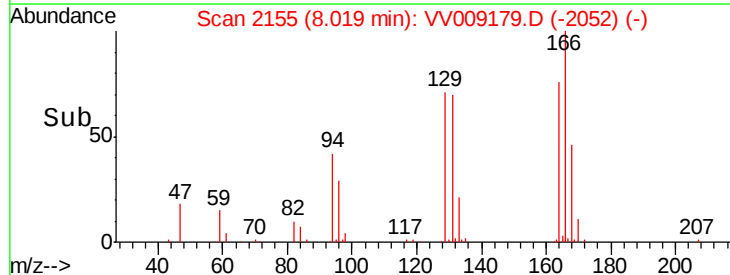
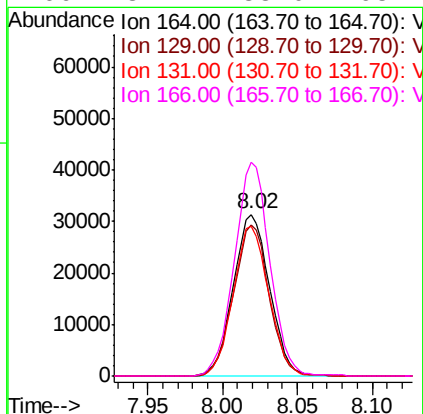
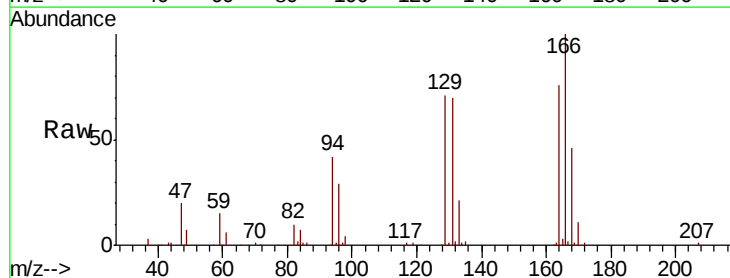
Instrument :
MSVOA_V
ClientSampleId :
VSTD02574

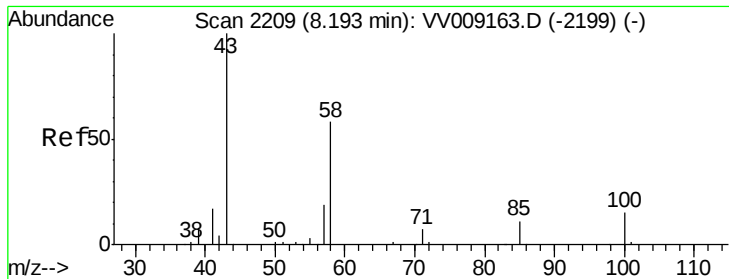
Tgt Ion:	97	Resp:	51734
Ion	Ratio	Lower	Upper
97	100		
83	85.2	56.0	104.0
85	55.2	36.5	67.9
99	63.6	43.5	80.9



#47
Tetrachloroethene
Concen: 23.069 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV009179.D
Acq: 05 Jan 2019 00:28

Tgt Ion:	164	Resp:	52944
Ion	Ratio	Lower	Upper
164	100		
129	93.7	63.5	117.9
131	92.9	63.2	117.4
166	132.1	88.0	163.4

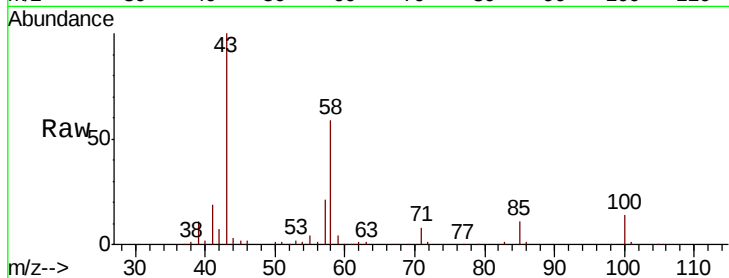




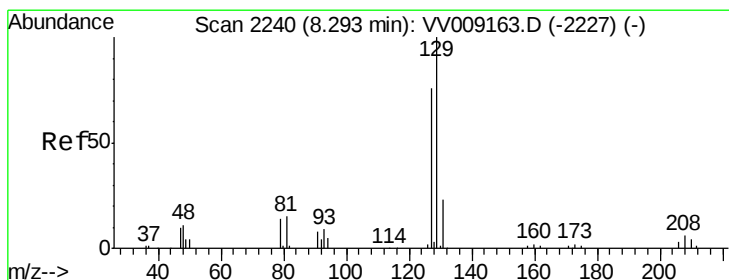
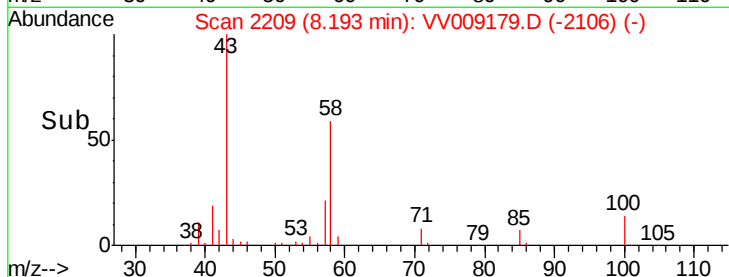
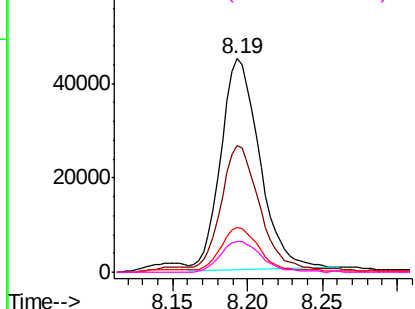
#49
2-Hexanone
Concen: 52.016 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV009179.D
Acq: 05 Jan 2019 00:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD02574

Tgt Ion: 43 Resp: 80869
Ion Ratio Lower Upper
43 100
58 57.8 46.7 70.1
57 19.7 15.5 23.3
100 15.5 12.8 19.2

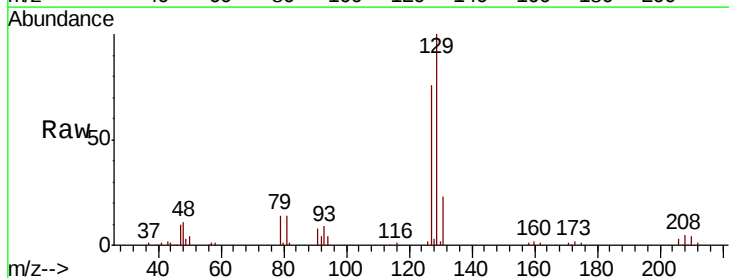


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

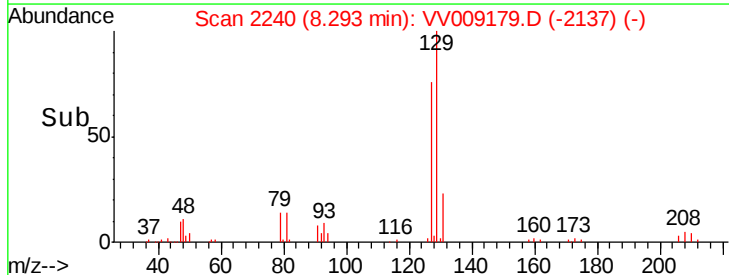
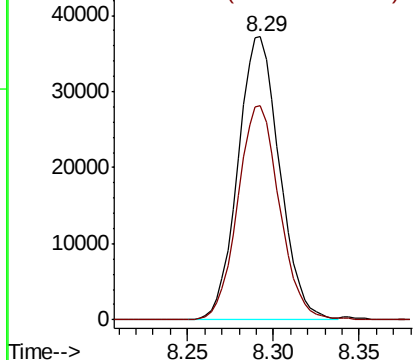


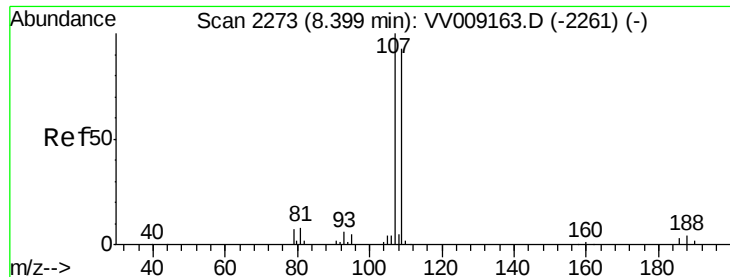
#50
Dibromochloromethane
Concen: 26.036 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009179.D
Acq: 05 Jan 2019 00:28

Tgt Ion: 129 Resp: 62651
Ion Ratio Lower Upper
129 100
127 75.5 53.1 98.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

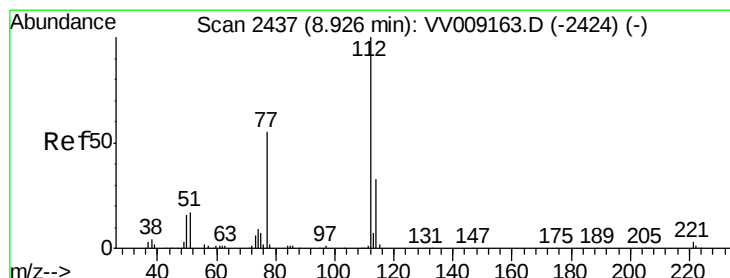
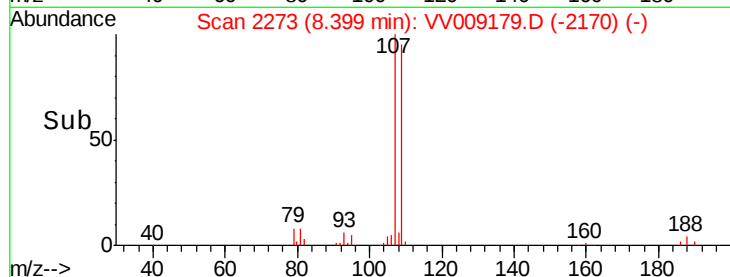
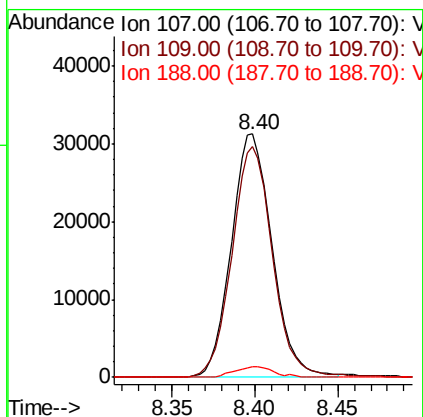
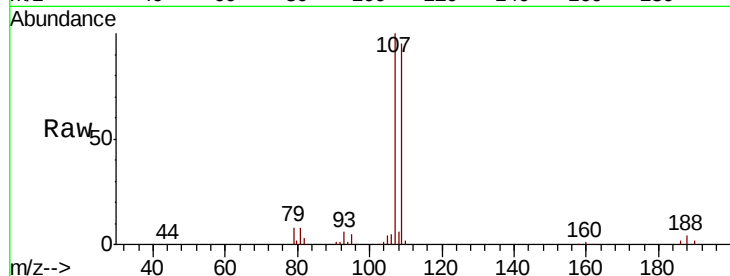




#51
 1,2-Dibromoethane
 Concen: 26.128 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

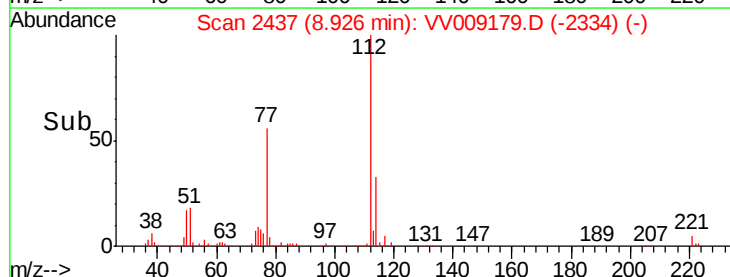
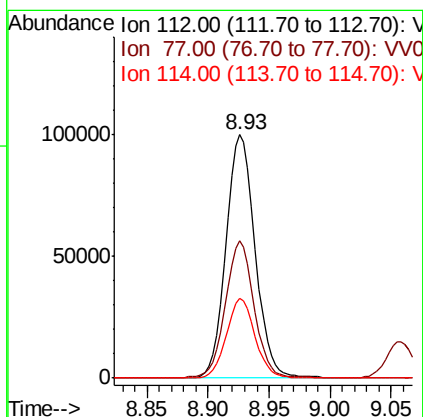
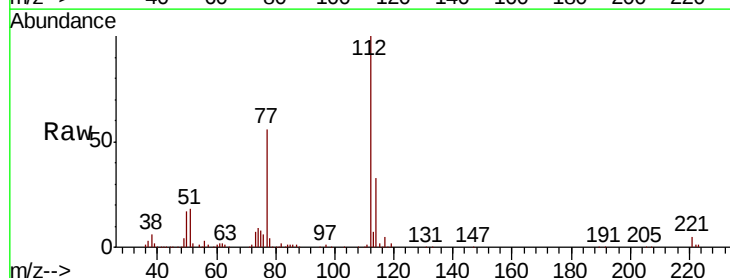
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

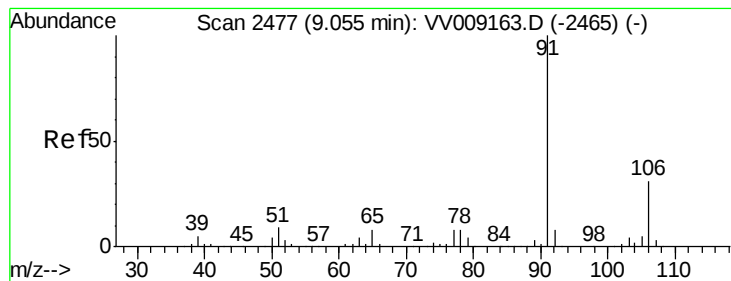
Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.0	63.6	118.0
188	4.2	3.3	4.9



#52
 Chlorobenzene
 Concen: 24.650 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

Tgt Ion	Ratio	Lower	Upper
112	100		
77	56.2	44.6	66.8
114	32.6	22.5	41.9





#53

Ethylbenzene

Concen: 24.805 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

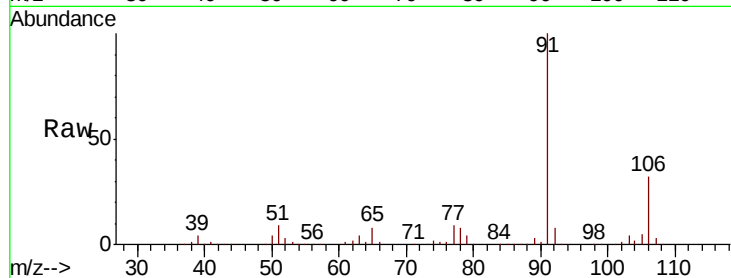
VSTD02574

Tgt Ion: 91 Resp: 278090

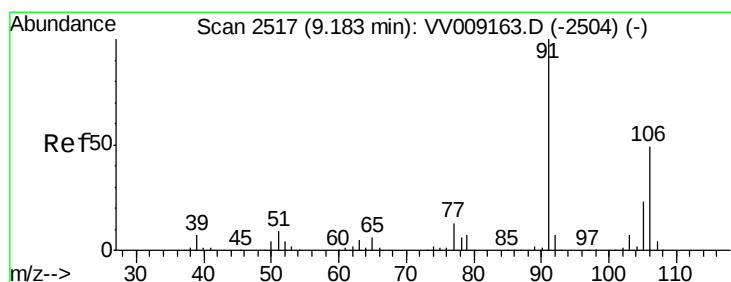
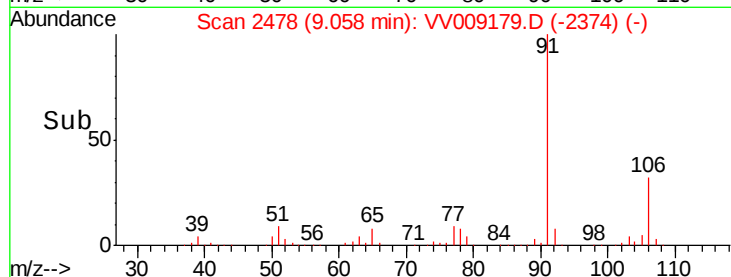
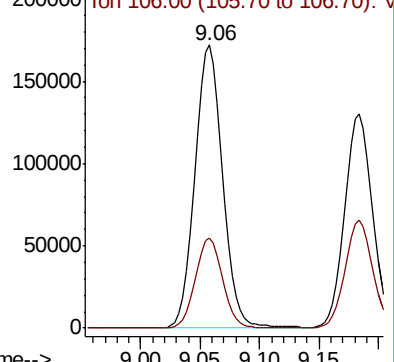
Ion Ratio Lower Upper

91 100

106 31.9 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VV009179.D (-2374) (-)



#54

m,p-Xylene

Concen: 24.313 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009179.D

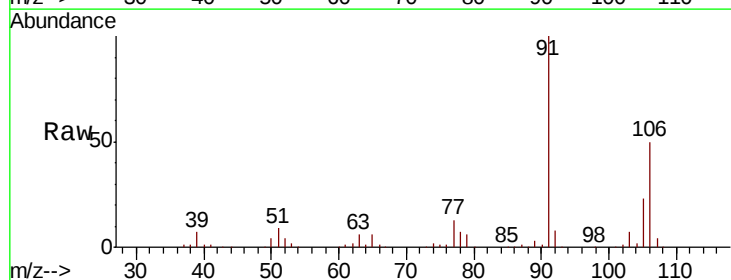
Acq: 05 Jan 2019 00:28

Tgt Ion: 106 Resp: 106195

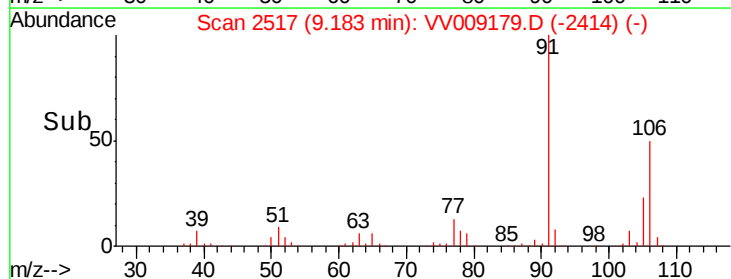
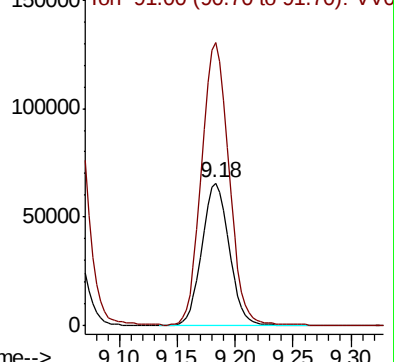
Ion Ratio Lower Upper

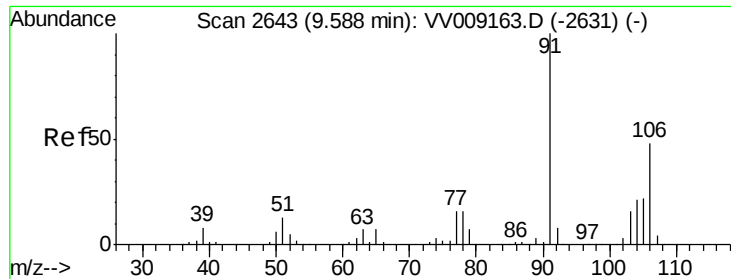
106 100

91 198.4 138.9 257.9



Abundance Ion 106.00 (105.70 to 106.70): VV009179.D (-2414) (-)





#55

o-xylene

Concen: 25.407 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

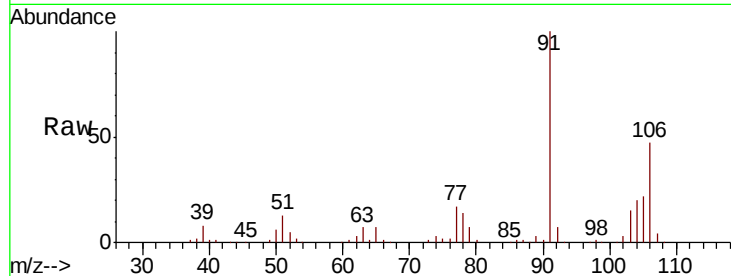
VSTD02574

Tgt Ion:106 Resp: 102613

Ion Ratio Lower Upper

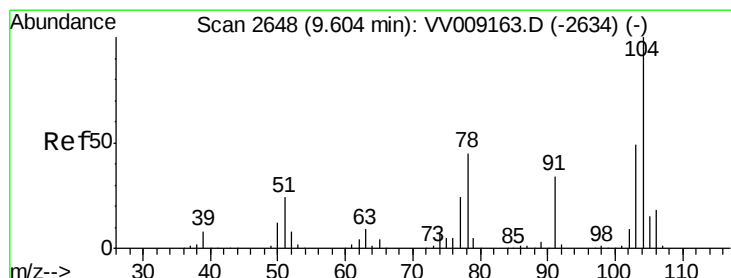
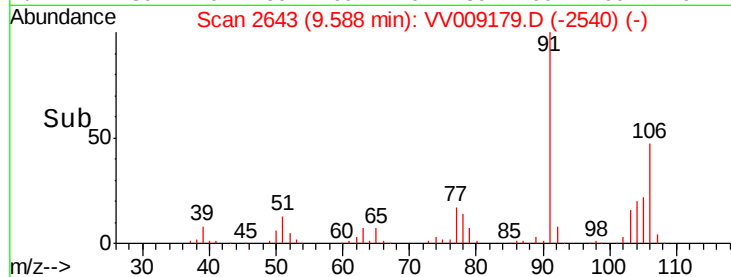
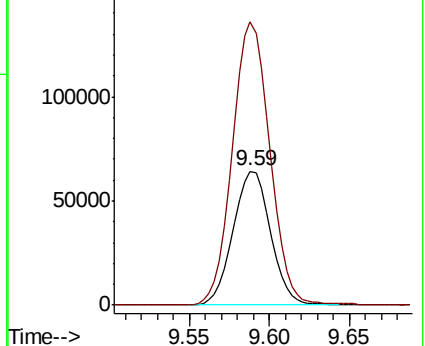
106 100

91 211.7 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 26.160 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009179.D

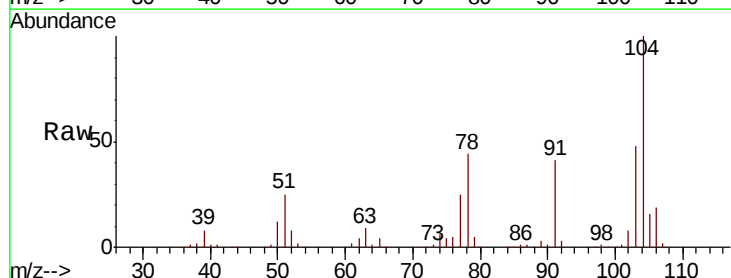
Acq: 05 Jan 2019 00:28

Tgt Ion:104 Resp: 178206

Ion Ratio Lower Upper

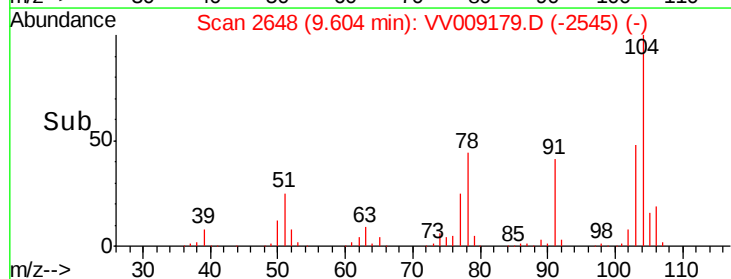
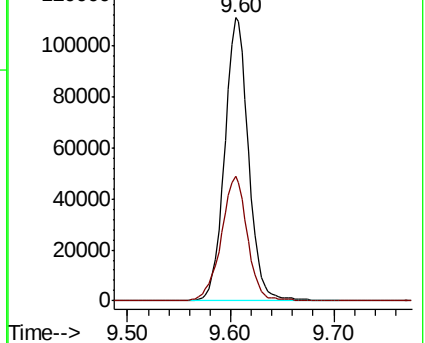
104 100

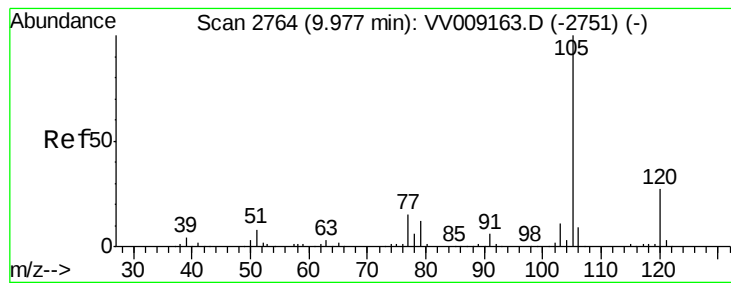
78 43.9 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 25.516 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD02574

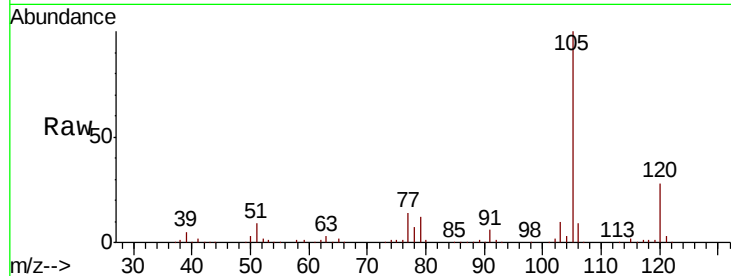
Tgt Ion: 105 Resp: 285920

Ion Ratio Lower Upper

105 100

120 27.3 21.9 32.9

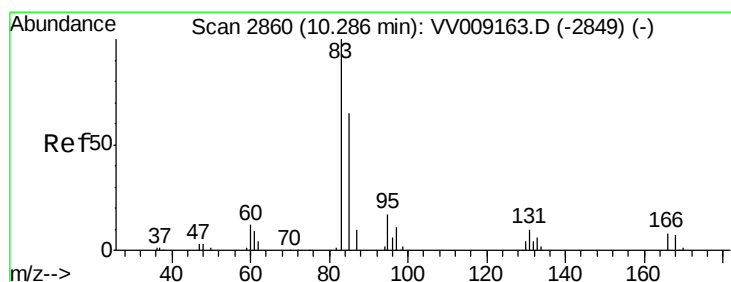
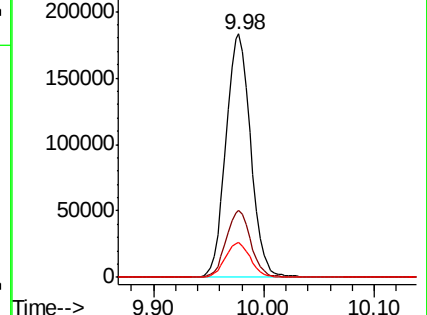
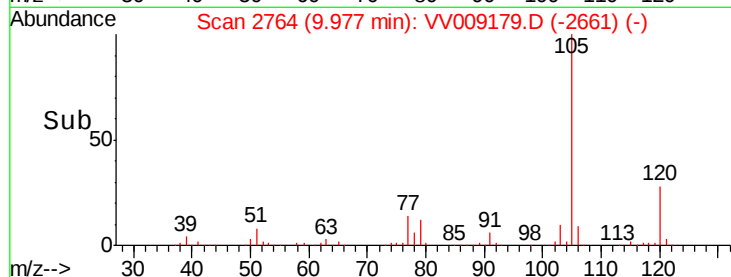
77 14.5 12.1 18.1



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: 28.279 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

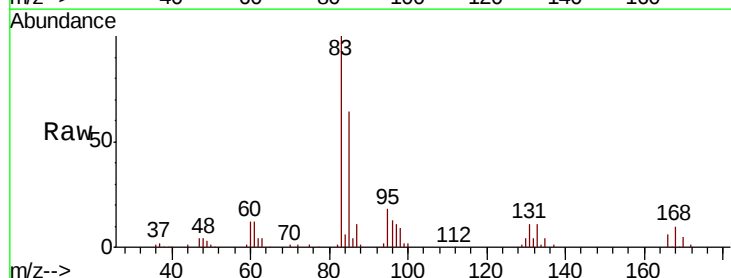
Tgt Ion: 83 Resp: 74216

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.2

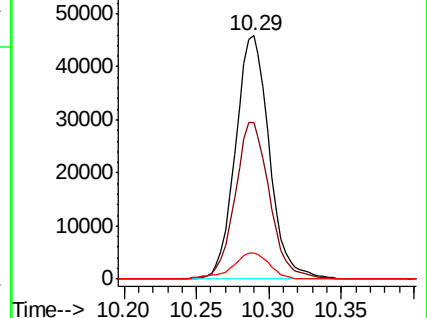
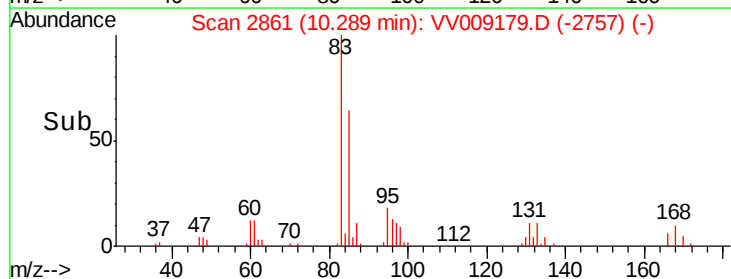
131 10.7 9.4 14.0

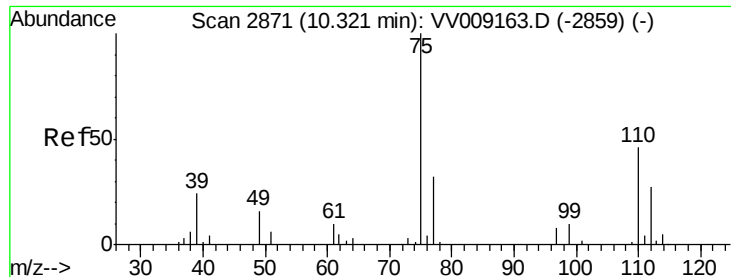


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 28.682 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

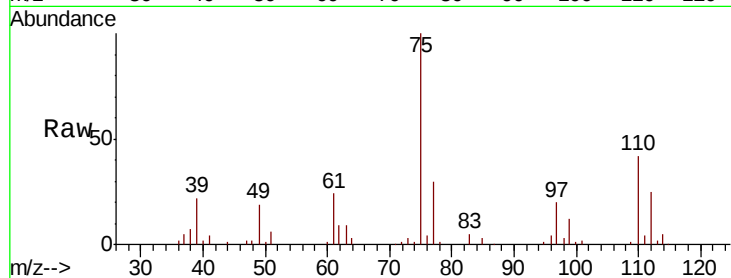
VSTD02574

Tgt Ion: 75 Resp: 60166

Ion Ratio Lower Upper

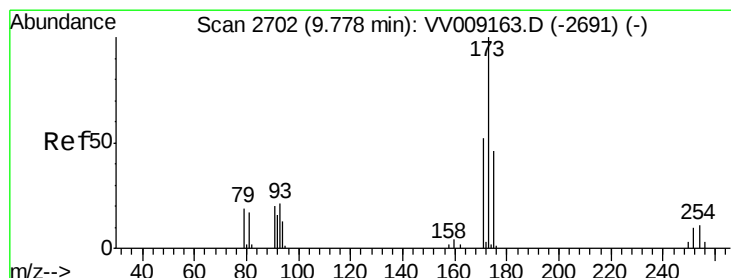
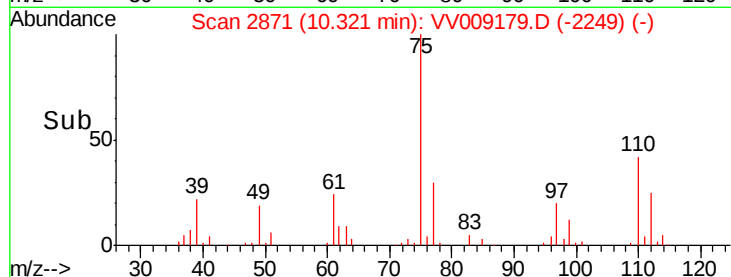
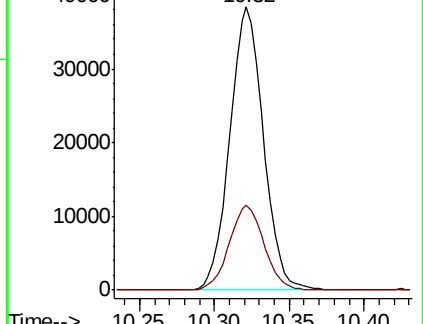
75 100

77 30.9 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VV009163.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009163.D (-2859) (-)



#62

Bromoform

Concen: 25.880 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

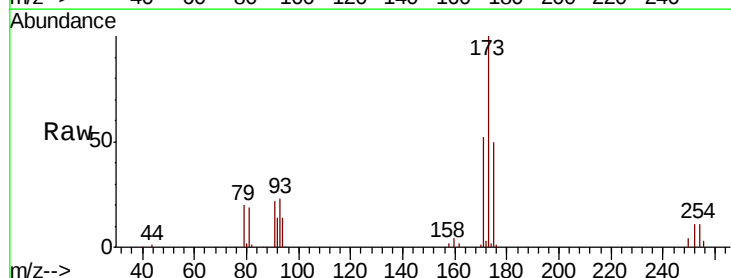
Tgt Ion: 173 Resp: 40667

Ion Ratio Lower Upper

173 100

175 49.6 38.4 57.6

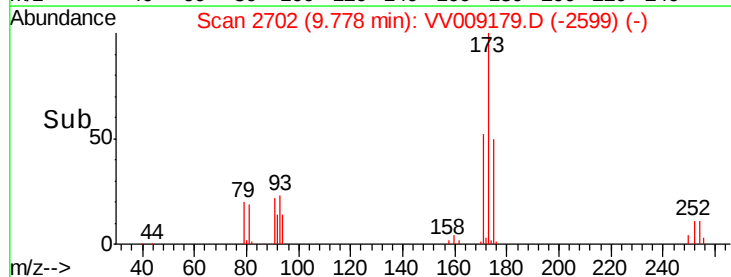
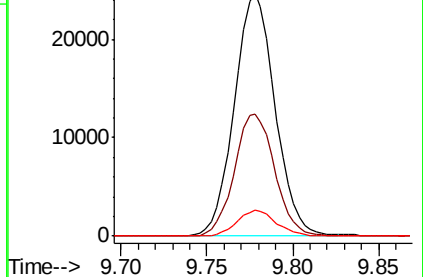
254 10.0 8.0 12.0

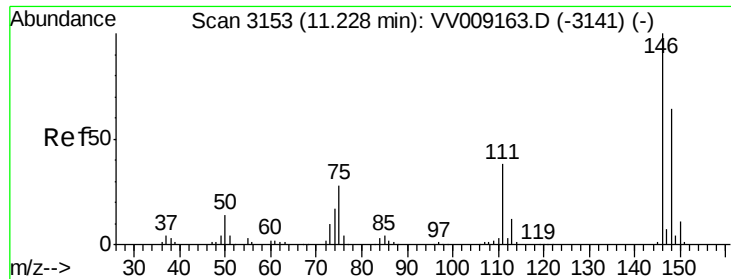


Abundance Ion 173.00 (172.70 to 173.70): VV009163.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV009163.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV009163.D (-2691) (-)





#63

1,3-Dichlorobenzene

Concen: 24.683 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD02574

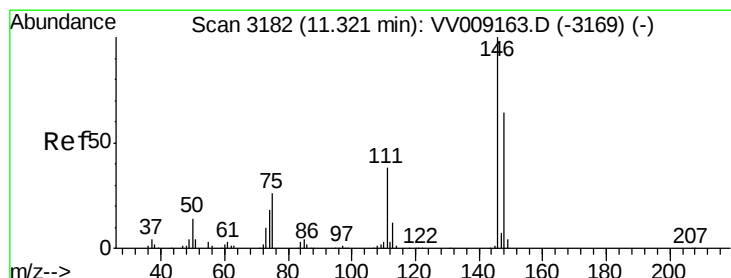
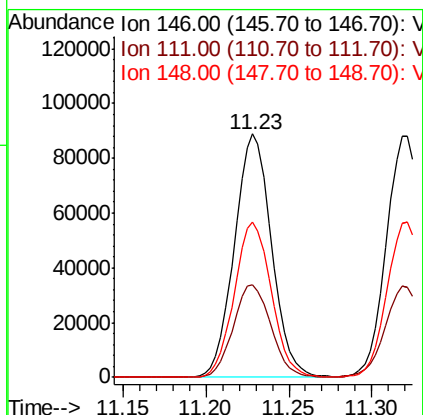
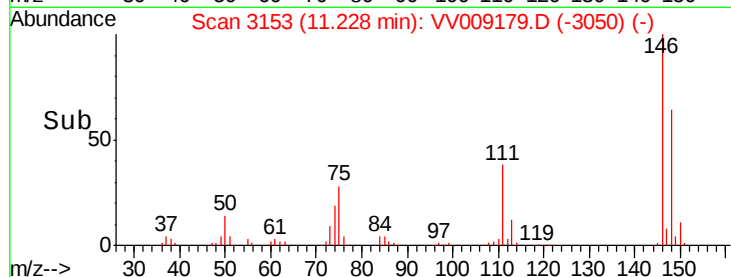
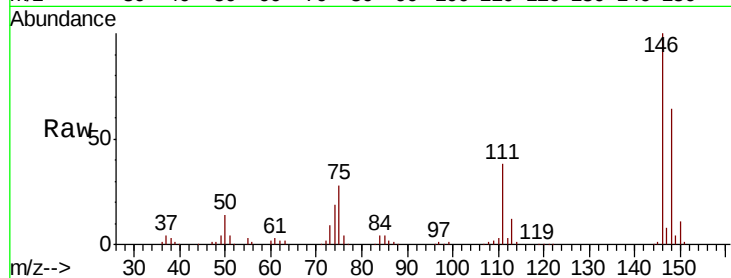
Tgt Ion:146 Resp: 138379

Ion Ratio Lower Upper

146 100

111 38.1 28.0 52.0

148 63.7 45.6 84.8



#64

1,4-Dichlorobenzene

Concen: 23.718 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

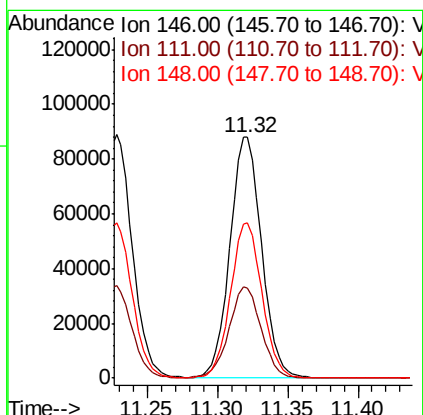
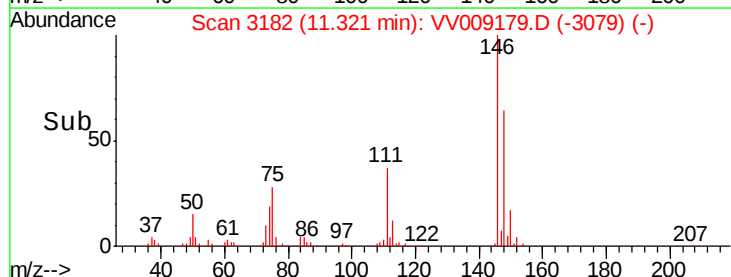
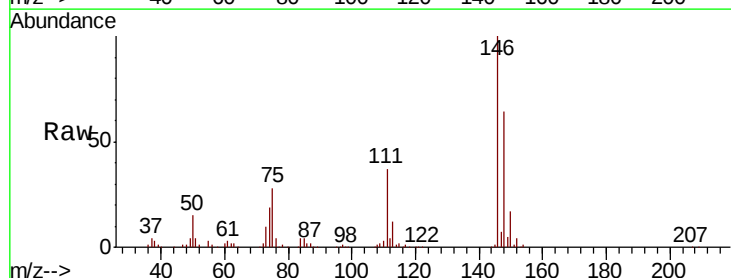
Tgt Ion:146 Resp: 138605

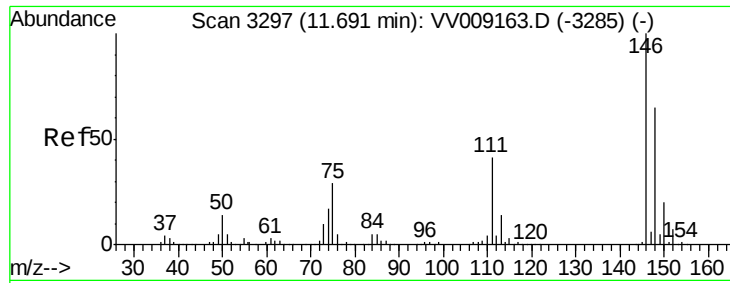
Ion Ratio Lower Upper

146 100

111 37.4 26.0 48.4

148 64.4 43.4 80.6





#65

1,2-Dichlorobenzene

Concen: 25.066 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD02574

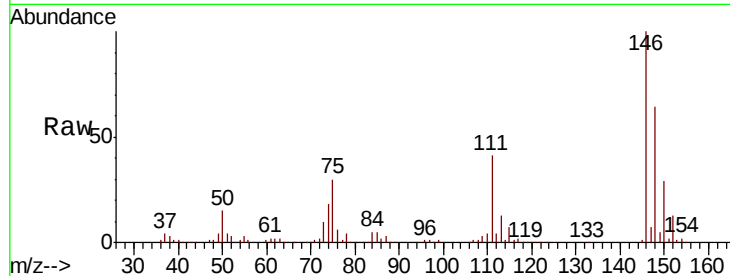
Tgt Ion:146 Resp: 133858

Ion Ratio Lower Upper

146 100

111 41.5 32.2 48.4

148 63.9 50.4 75.6

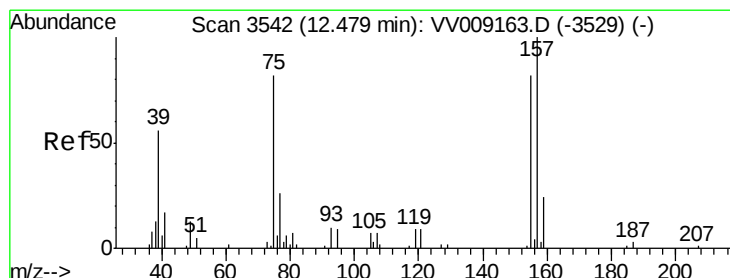
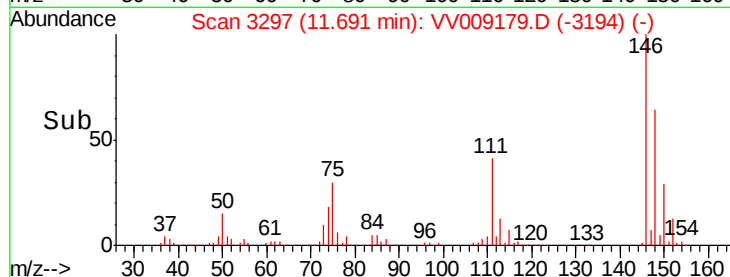
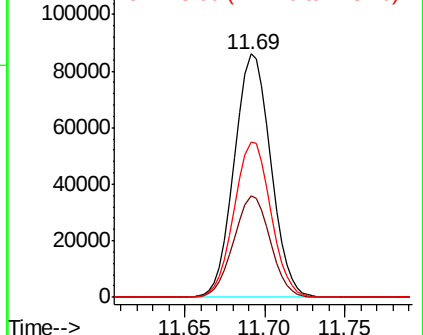


Abundance

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: 26.301 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

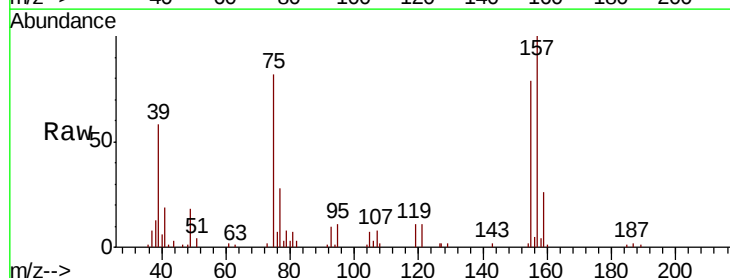
Tgt Ion: 75 Resp: 14582

Ion Ratio Lower Upper

75 100

157 121.3 96.9 145.3

155 96.0 68.0 102.0

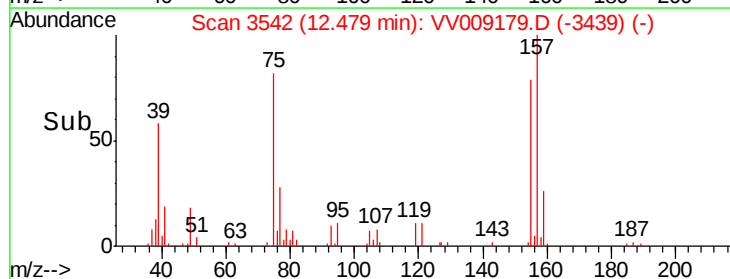
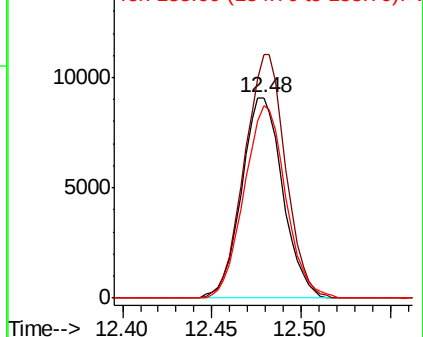


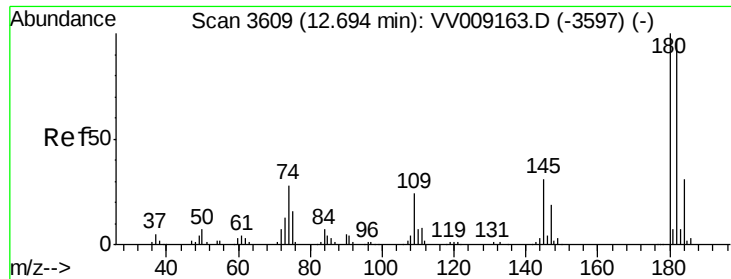
Abundance

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

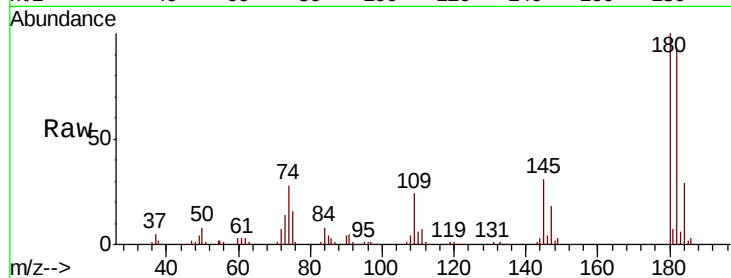




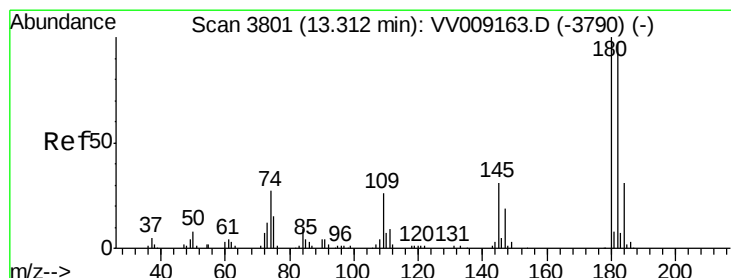
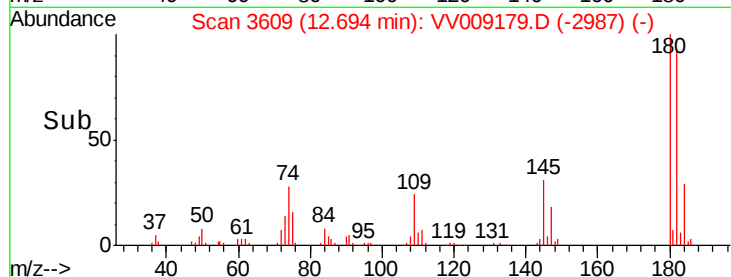
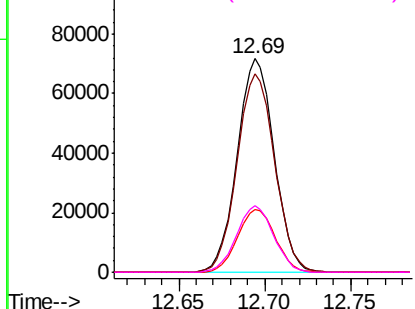
#67
 1,3,5-Trichlorobenzene
 Concen: 23.763 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02574

Tgt Ion:180 Resp: 107440
 Ion Ratio Lower Upper
 180 100
 182 94.5 75.3 112.9
 184 29.9 24.6 37.0
 145 31.2 23.9 35.9

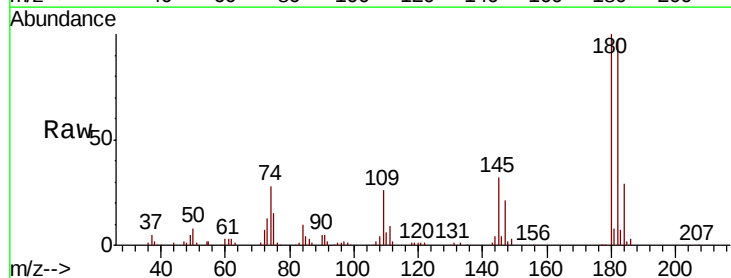


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

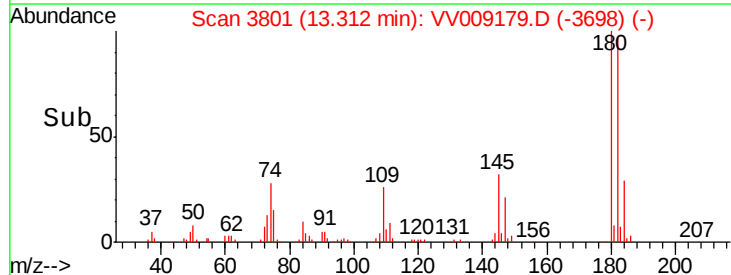
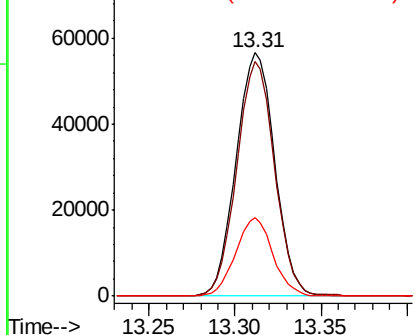


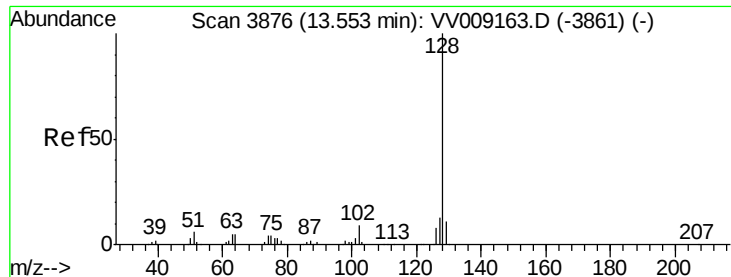
#68
 1,2,4-trichlorobenzene
 Concen: 24.018 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009179.D
 Acq: 05 Jan 2019 00:28

Tgt Ion:180 Resp: 88390
 Ion Ratio Lower Upper
 180 100
 182 93.9 76.2 114.4
 145 31.0 25.4 38.0



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: 24.839 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD02574

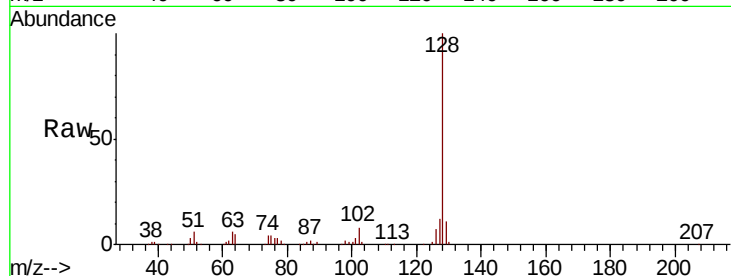
Tgt Ion:128 Resp: 186195

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.4

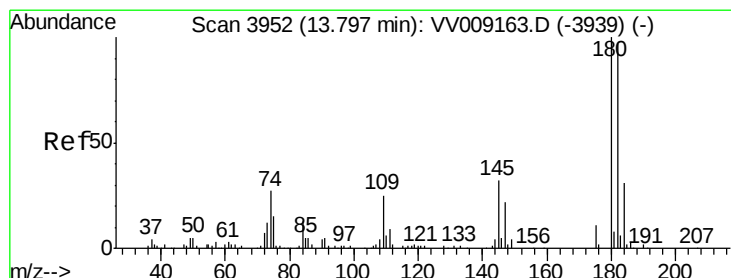
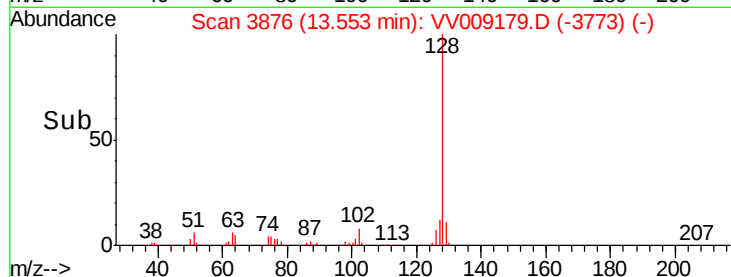
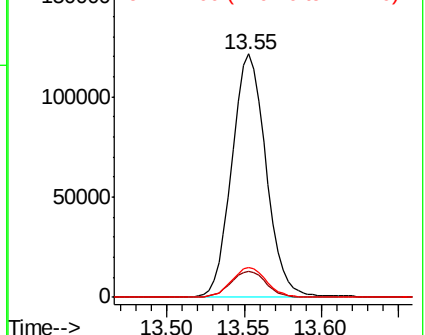
127 12.5 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 24.867 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV009179.D

Acq: 05 Jan 2019 00:28

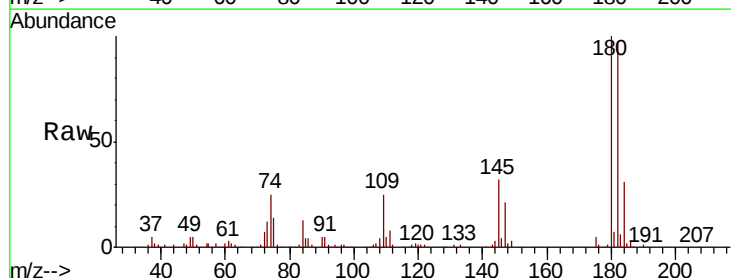
Tgt Ion:180 Resp: 83983

Ion Ratio Lower Upper

180 100

182 96.0 74.4 111.6

145 33.1 25.7 38.5



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

