

Data File : VV010598.D
Acq On : 01 May 2019 01:54
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Quant Time: May 01 08:19:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 01 08:14:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	190838	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	202569	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	92087	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	54783	5.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.00%
7) Chloroethane-d5	1.58	69	32849	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	2.13	63	114408	5.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	111.60%
20) 2-Butanone-d5	3.95	46	144614	59.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.56%
24) Chloroform-d	4.41	84	131836	5.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	117.60%
26) 1,2-Dichloroethane-d4	5.08	65	62784	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.80%
32) Benzene-d6	5.10	84	252350	5.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	110.80%
36) 1,2-Dichloropropane-d6	6.12	67	73906	5.40	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.00%
41) Toluene-d8	7.36	98	241237	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
43) trans-1,3-Dichloropropene-	7.67	79	26575	5.06	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.20%
46) 2-Hexanone-d5	8.14	63	116449	55.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.18%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	55582	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	86825	5.43	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	95168	5.648	ug/L 100
3) Chloromethane	1.25	50	85888	5.378	ug/L 96
5) Vinyl chloride	1.32	62	84501	5.374	ug/L 97
6) Bromomethane	1.54	94	46649	7.491	ug/L 89
8) Chloroethane	1.60	64	34977	4.560	ug/L 94
9) Trichlorofluoromethane	1.77	101	141114	5.628	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	73027	5.732	ug/L 96
12) 1,1-Dichloroethene	2.14	96	65219	5.868	ug/L 96
13) Acetone	2.21	43	84030	56.178	ug/L 98
14) Carbon disulfide	2.32	76	172969	5.495	ug/L 98
15) Methyl Acetate	2.47	43	26399	5.285	ug/L 100
16) Methylene chloride	2.53	84	76350	5.384	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	151824	6.006	ug/L 97
18) trans-1,2-Dichloroethene	2.79	96	73560	5.993	ug/L 100
19) 1,1-Dichloroethane	3.23	63	137346	6.026	ug/L 99
21) 2-Butanone	4.04	43	161767	60.632	ug/L 98
22) cis-1,2-Dichloroethene	3.96	96	80302	5.919	ug/L 92

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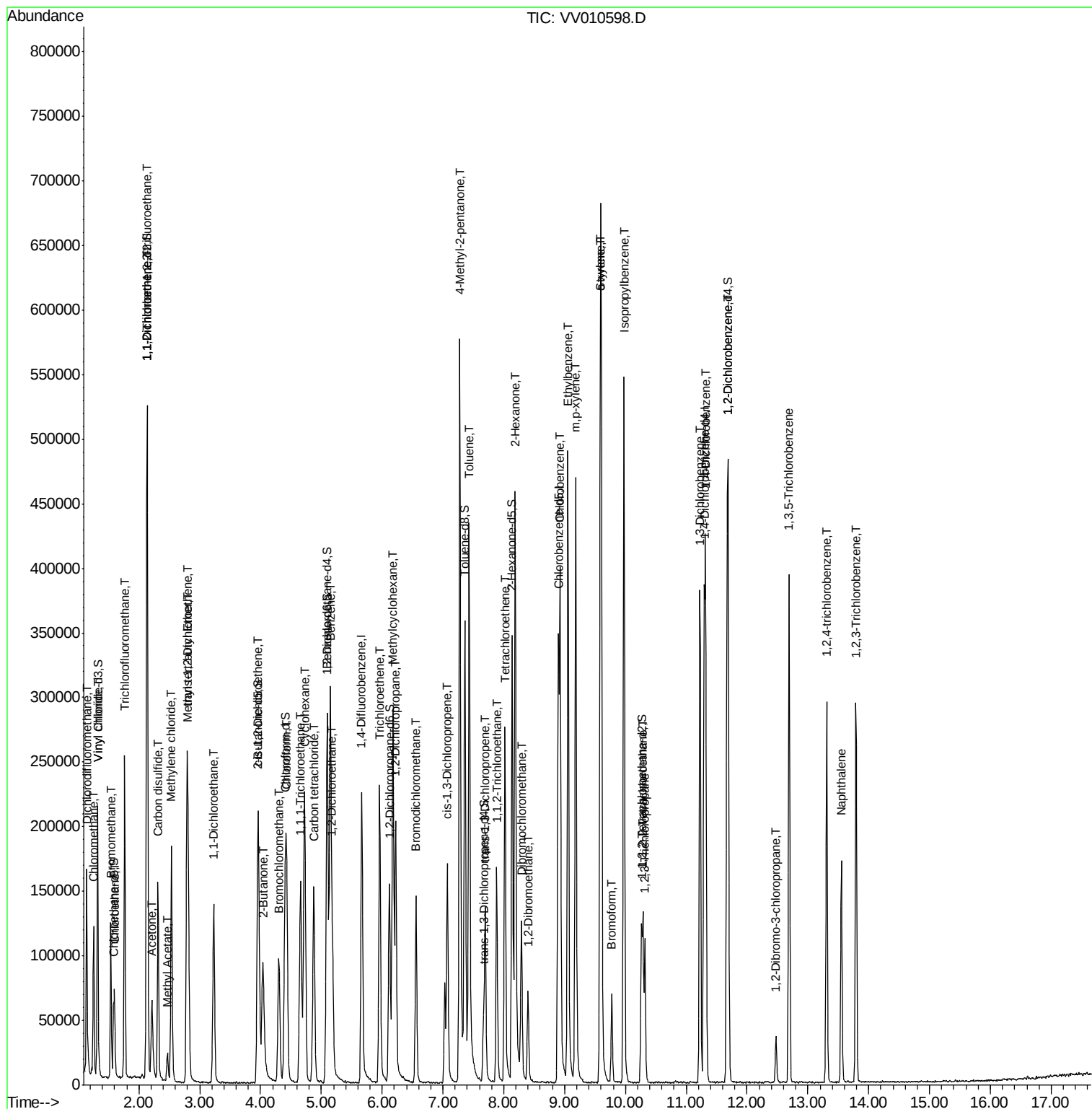
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33023	6.031	ug/L	97
25) Chloroform	4.43	83	142453	5.835	ug/L	100
27) 1,2-Dichloroethane	5.18	62	86422	6.195	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	124677	5.641	ug/L	100
30) Cyclohexane	4.73	56	112552	5.508	ug/L	99
31) Carbon tetrachloride	4.87	117	112743	5.535	ug/L	96
33) Benzene	5.15	78	302010	5.766	ug/L	100
34) Trichloroethene	5.96	95	78907	5.183	ug/L	98
35) Methylcyclohexane	6.17	83	111704	5.271	ug/L	99
37) 1,2-Dichloropropane	6.22	63	73080	5.620	ug/L	100
38) Bromodichloromethane	6.56	83	90978	5.395	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	96632	5.316	ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	423829	60.086	ug/L	99
42) Toluene	7.43	91	334235	5.724	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	74572	5.410	ug/L	92
45) 1,1,2-Trichloroethane	7.88	97	53492	6.030	ug/L	89
47) Tetrachloroethene	8.02	164	63396	5.459	ug/L	96
48) 2-Hexanone	8.19	43	301474	59.427	ug/L	99
49) Dibromochloromethane	8.29	129	60897	5.668	ug/L	93
50) 1,2-Dibromoethane	8.40	107	47840	5.679	ug/L	97
51) Chlorobenzene	8.93	112	214111	5.518	ug/L	100
52) Ethylbenzene	9.05	91	356728	5.606	ug/L	99
53) m,p-xylene	9.18	106	137844	5.691	ug/L	99
54) o-xylene	9.59	106	135763	5.644	ug/L	99
55) Styrene	9.60	104	226266	5.780	ug/L	98
56) Isopropylbenzene	9.97	105	351827	5.687	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	58841	5.419	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	44041	5.567	ug/L	97
61) Bromoform	9.77	173	29665	5.802	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	151572	5.453	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	154251	5.492	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	150357	5.710	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	8959	5.508	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	112402	5.465	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	85300	5.423	ug/L	97
69) Naphthalene	13.55	128	134241	5.329	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	80672	5.589	ug/L	96

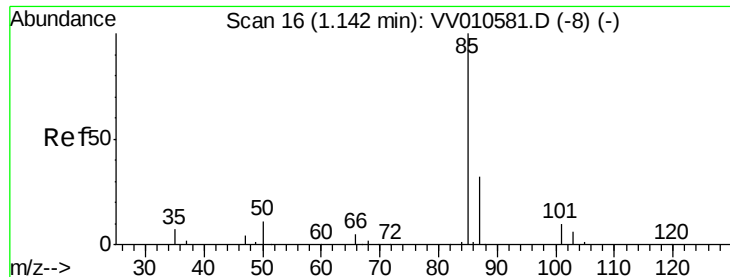
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.648 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

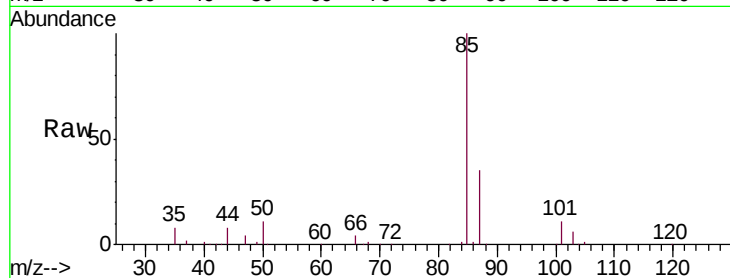
VSTD00554

Tgt Ion: 85 Resp: 95168

Ion Ratio Lower Upper

85 100

87 33.8 27.0 40.4



Abundance Ion 85.00 (84.70 to 85.70): VV010581.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010581.D (-8) (-)

1.14

80000

60000

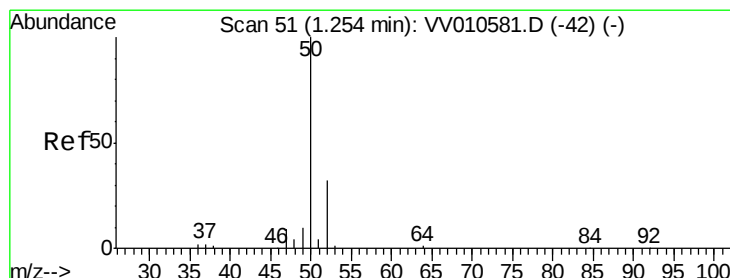
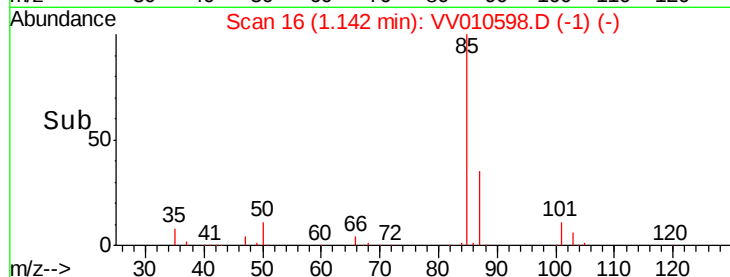
40000

20000

0

1.10 1.15 1.20 1.25

Time-->



#3

Chloromethane

Concen: 5.378 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010598.D

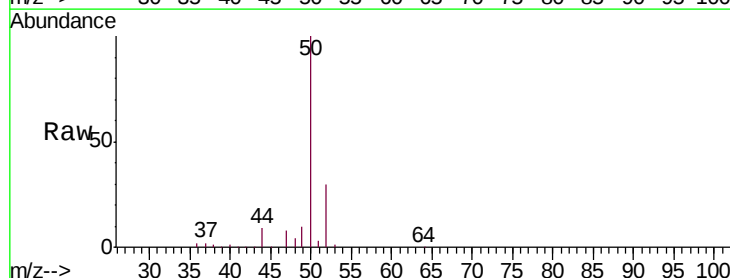
Acq: 01 May 2019 01:54

Tgt Ion: 50 Resp: 85888

Ion Ratio Lower Upper

50 100

52 30.4 23.0 42.8



Abundance Ion 50.05 (49.75 to 50.75): VV010581.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV010581.D (-42) (-)

1.25

80000

60000

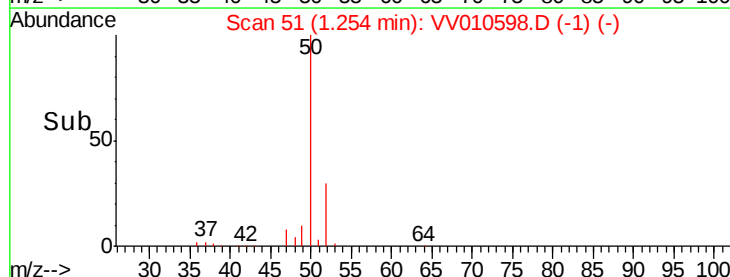
40000

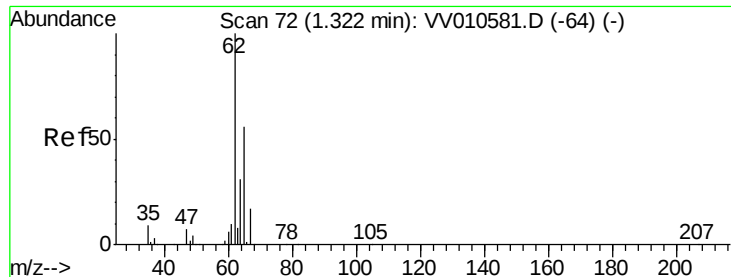
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 5.374 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

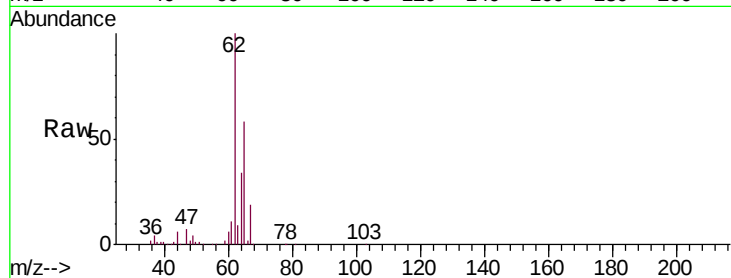
VSTD00554

Tgt Ion: 62 Resp: 84501

Ion Ratio Lower Upper

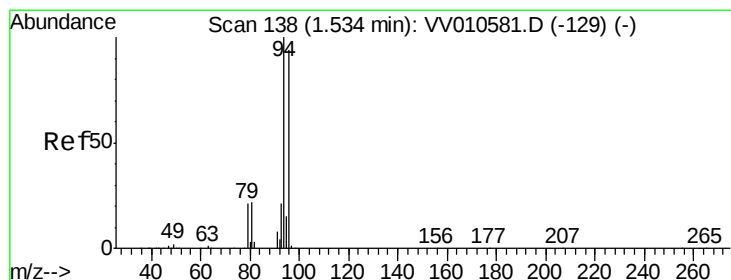
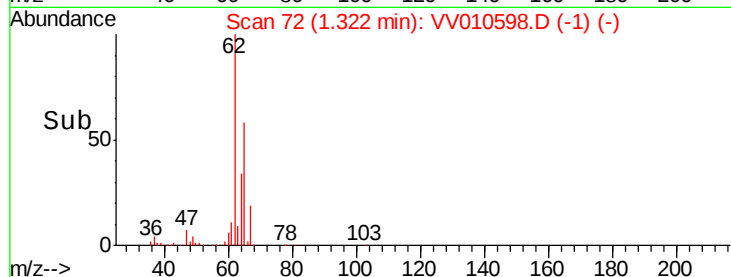
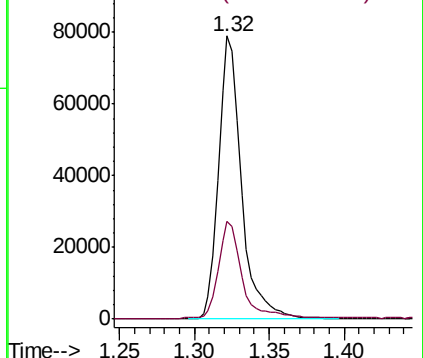
62 100

64 34.5 22.8 42.4



Abundance Ion 62.00 (61.70 to 62.70): VV010581.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV010581.D (-64) (-)



#6

Bromomethane

Concen: 7.491 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV010598.D

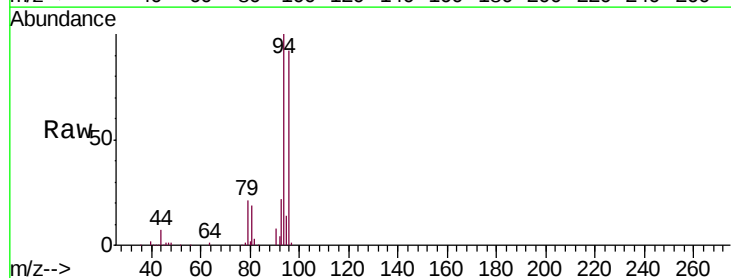
Acq: 01 May 2019 01:54

Tgt Ion: 94 Resp: 46649

Ion Ratio Lower Upper

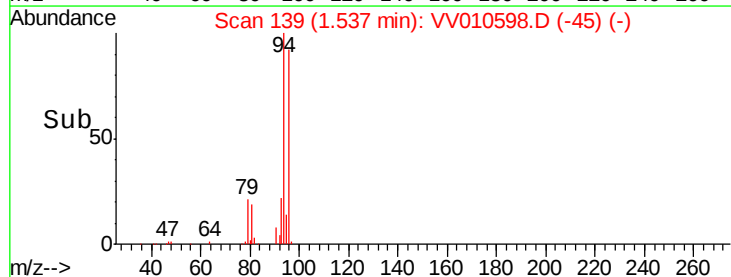
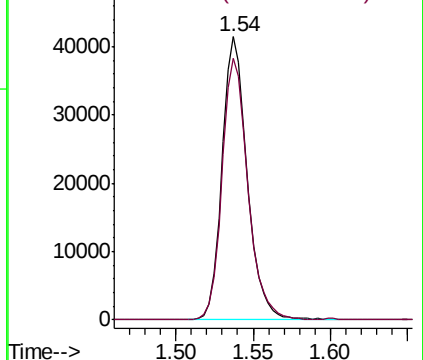
94 100

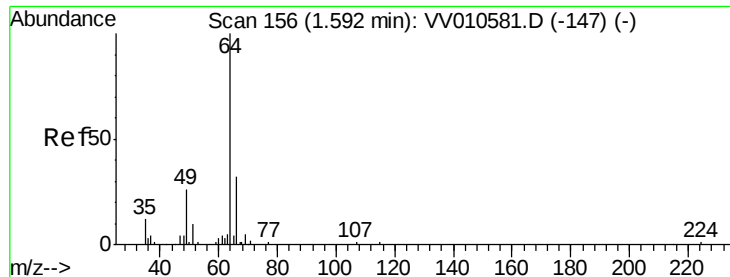
96 92.4 72.3 134.3



Abundance Ion 94.00 (93.70 to 94.70): VV010581.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV010581.D (-129) (-)





#8

Chloroethane

Concen: 4.560 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.01 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

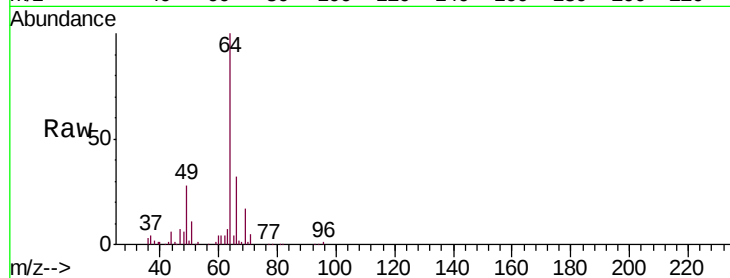
VSTD00554

Tgt Ion: 64 Resp: 34977

Ion Ratio Lower Upper

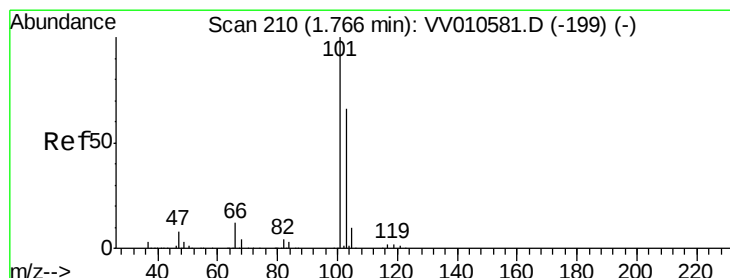
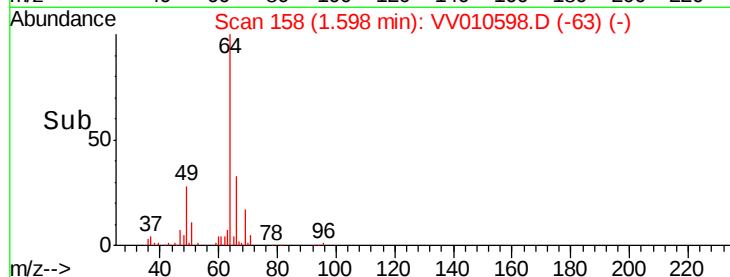
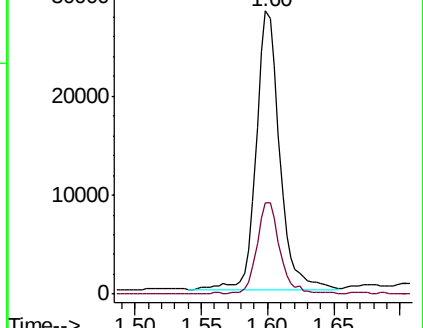
64 100

66 32.4 20.3 37.7



Abundance Ion 64.10 (63.80 to 64.80): VV010581.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV010581.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 5.628 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV010598.D

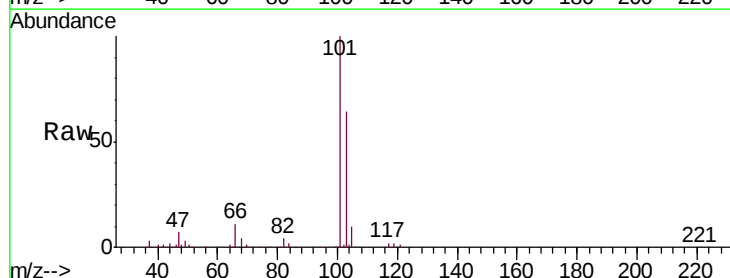
Acq: 01 May 2019 01:54

Tgt Ion: 101 Resp: 141114

Ion Ratio Lower Upper

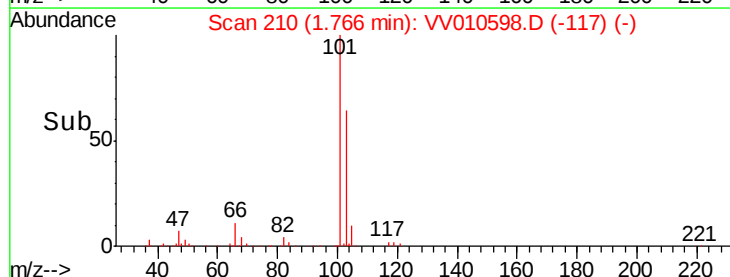
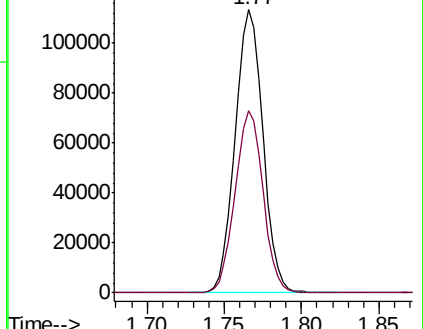
101 100

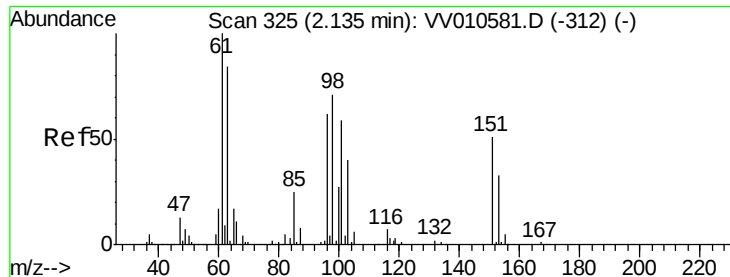
103 64.7 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): VV010581.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV010581.D (-199) (-)





#10

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

Concen: 5.732 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

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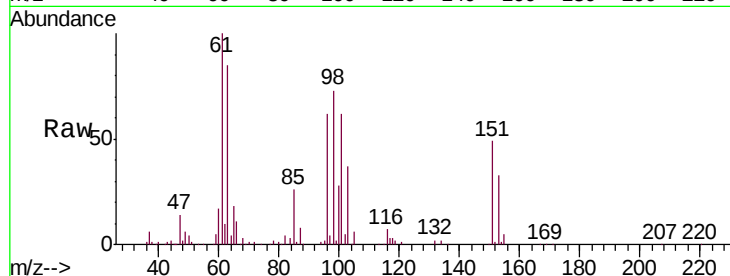
Tgt Ion: 101 Resp: 73027

Ion Ratio Lower Upper

101 100

85 42.4 35.6 53.4

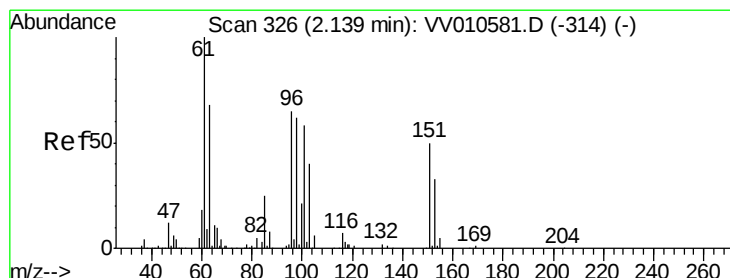
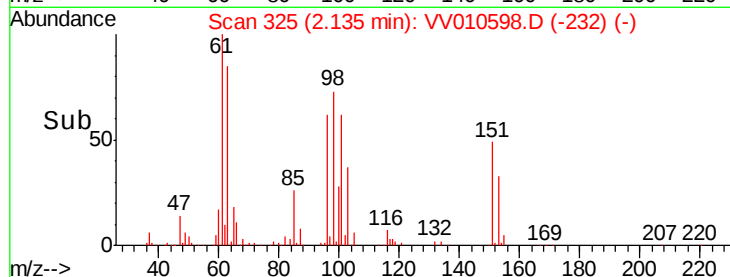
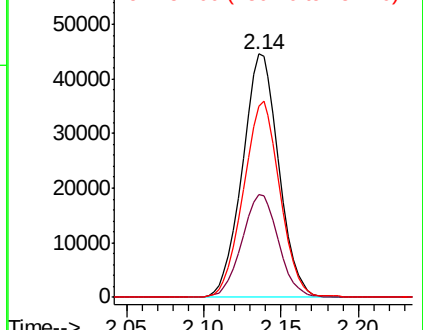
151 80.8 67.9 101.9



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: 5.868 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

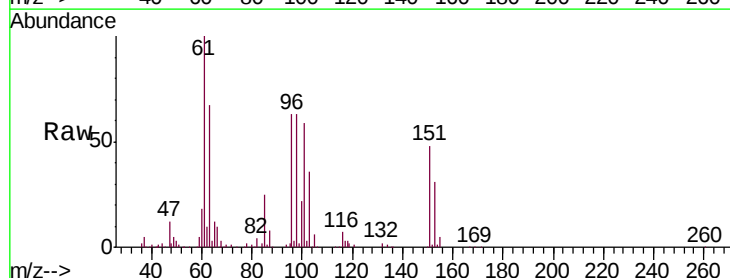
Tgt Ion: 96 Resp: 65219

Ion Ratio Lower Upper

96 100

61 158.8 115.6 214.8

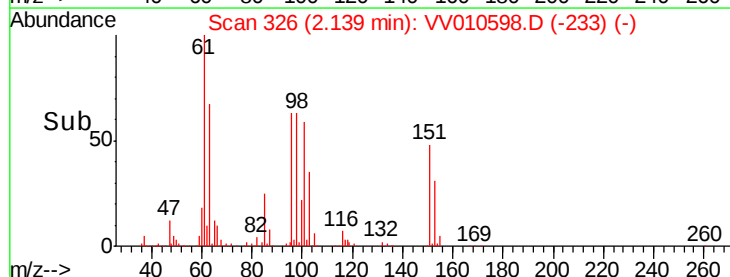
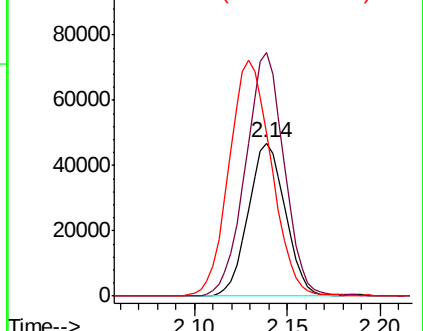
63 106.7 76.6 142.3

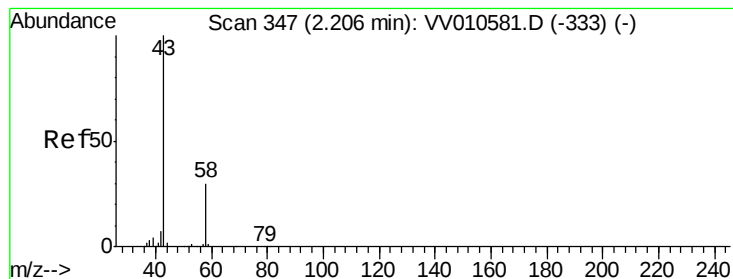


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 56.178 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.01 min

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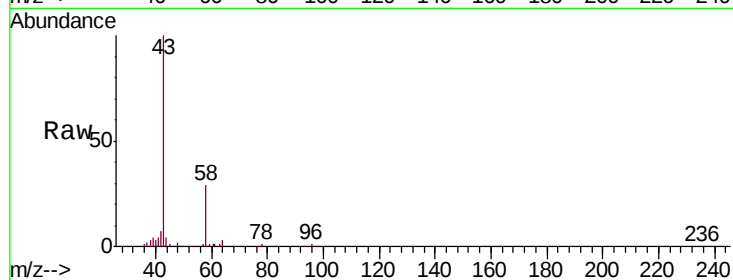
VSTD00554

Tgt Ion: 43 Resp: 84030

Ion Ratio Lower Upper

43 100

58 30.9 0.0 59.8



Abundance Ion 43.05 (42.75 to 43.75): VV010581.D (-333) (-)

Ion 58.05 (57.75 to 58.75): VV010581.D (-333) (-)

2.21

40000

30000

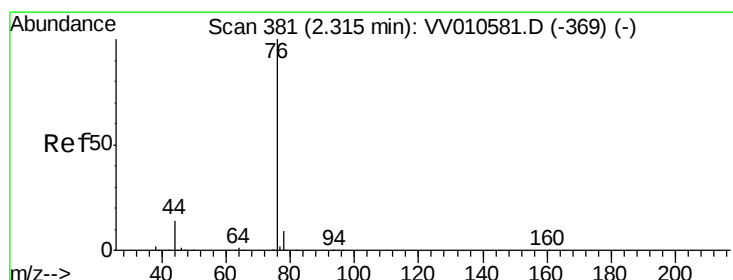
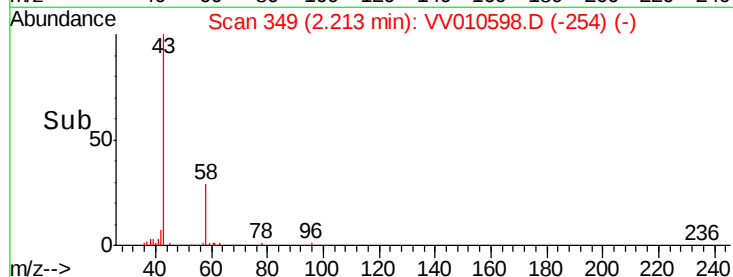
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 5.495 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV010598.D

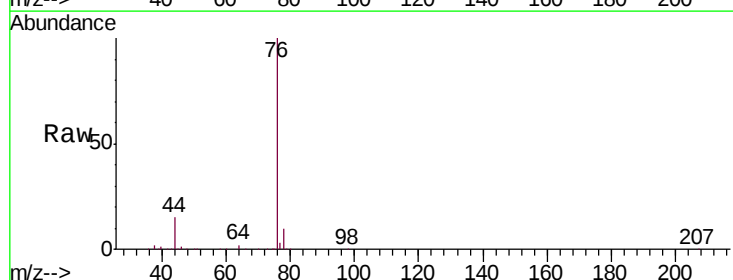
Acq: 01 May 2019 01:54

Tgt Ion: 76 Resp: 172969

Ion Ratio Lower Upper

76 100

78 9.5 8.2 12.4



Abundance Ion 76.05 (75.75 to 76.75): VV010581.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV010581.D (-369) (-)

2.32

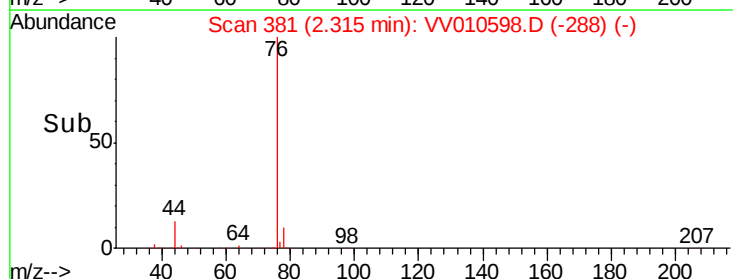
100000

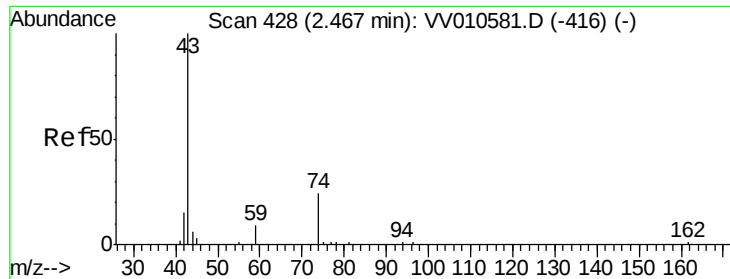
50000

0

Time-->

2.25 2.30 2.35 2.40 2.45

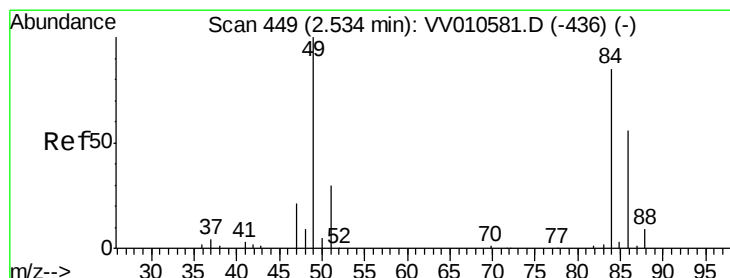
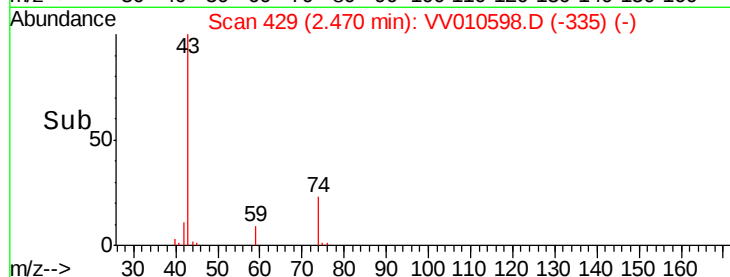
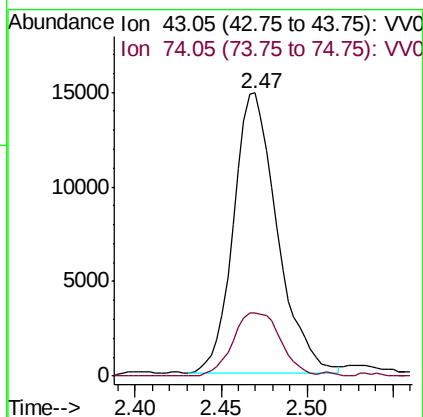
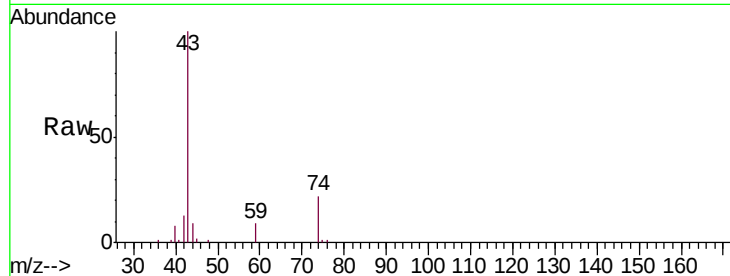




#15
Methyl Acetate
Concen: 5.285 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV010598.D
Acq: 01 May 2019 01:54

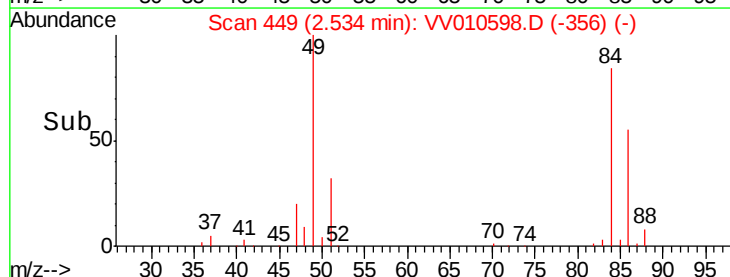
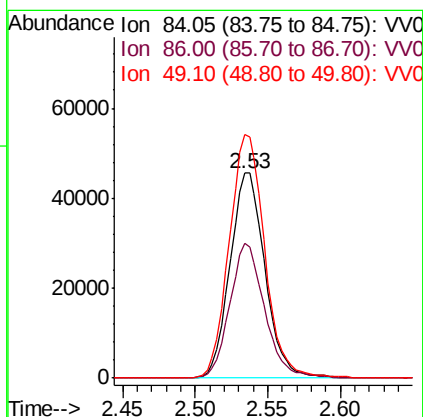
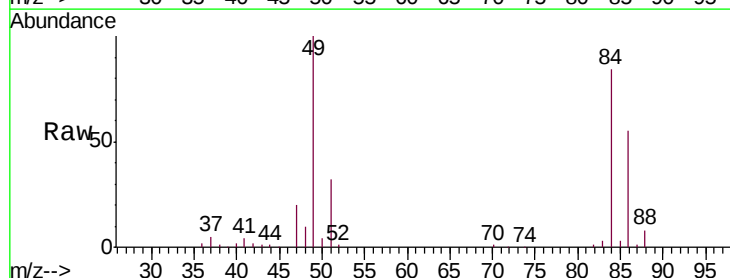
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

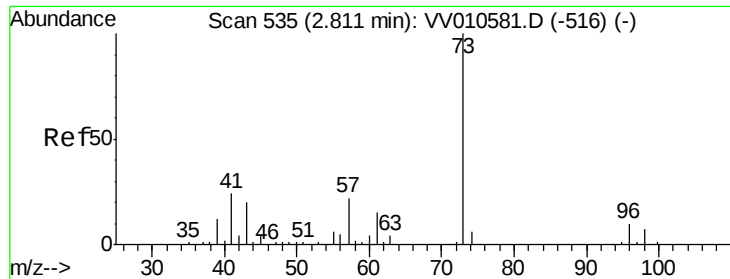
Tgt Ion: 43 Resp: 26399
Ion Ratio Lower Upper
43 100
74 24.6 19.8 29.8



#16
Methylene chloride
Concen: 5.384 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010598.D
Acq: 01 May 2019 01:54

Tgt Ion: 84 Resp: 76350
Ion Ratio Lower Upper
84 100
86 65.6 43.3 80.3
49 118.9 80.9 150.3



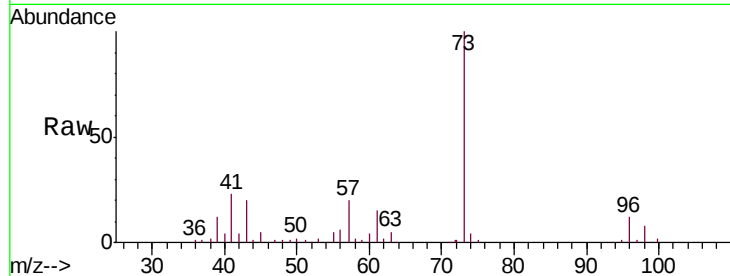


#17

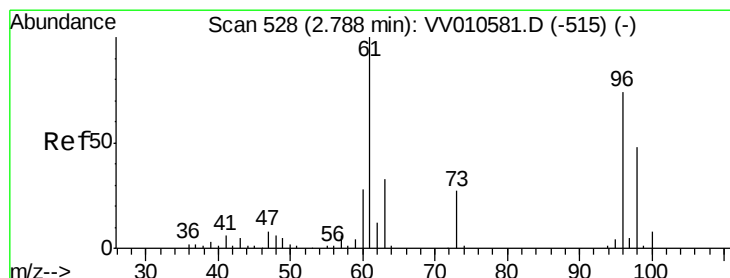
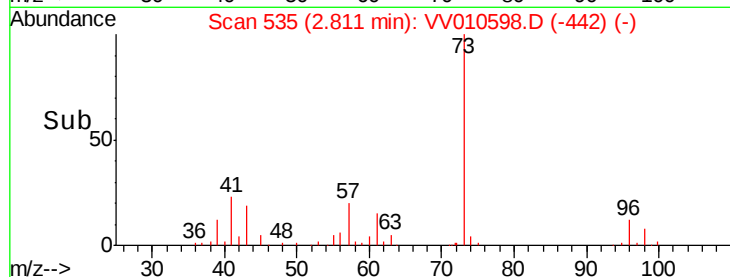
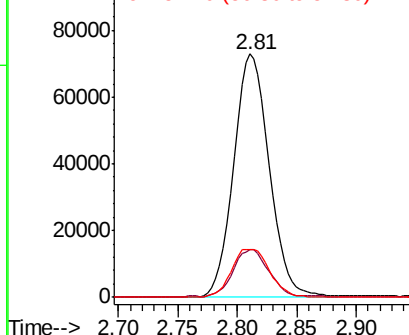
Methyl tert-butyl Ether
Concen: 6.006 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV010598.D
Acq: 01 May 2019 01:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tgt Ion: 73 Resp: 151824
Ion Ratio Lower Upper
73 100
43 19.3 16.5 24.7
57 21.2 18.0 27.0



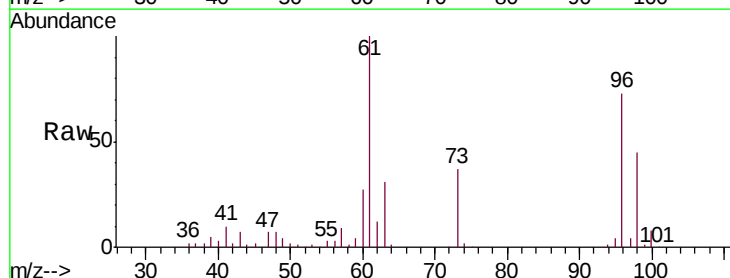
Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0



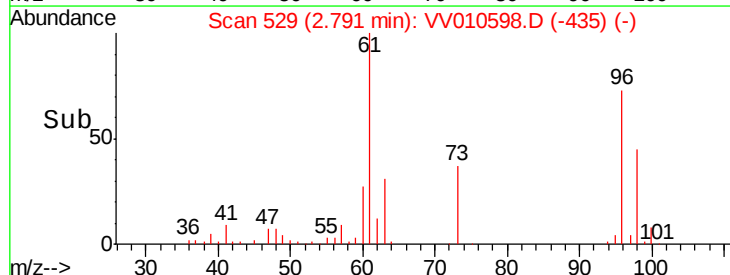
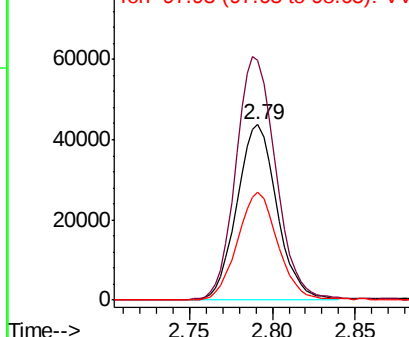
#18

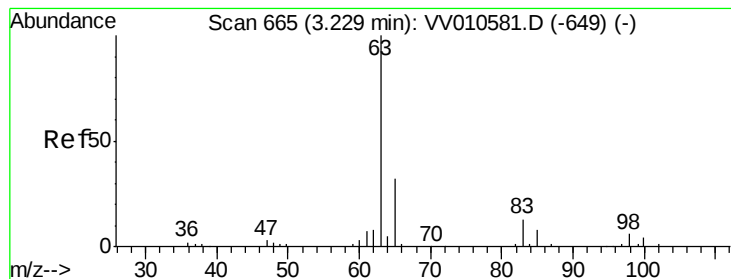
trans-1,2-Dichloroethene
Concen: 5.993 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV010598.D
Acq: 01 May 2019 01:54

Tgt Ion: 96 Resp: 73560
Ion Ratio Lower Upper
96 100
61 136.7 96.1 178.5
98 61.4 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 6.026 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

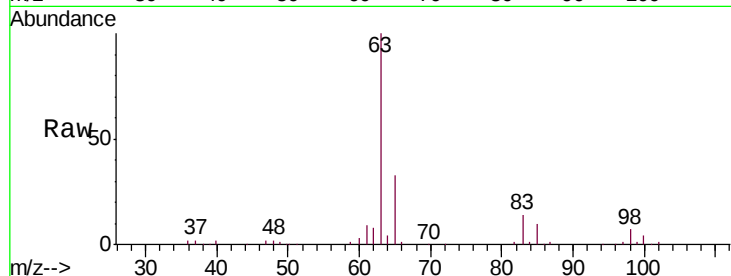
Tgt Ion: 63 Resp: 137346

Ion Ratio Lower Upper

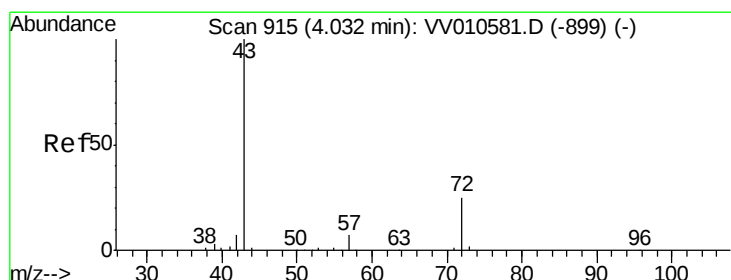
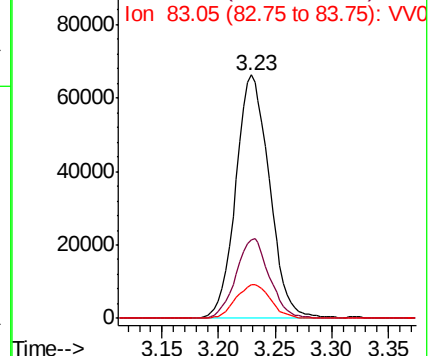
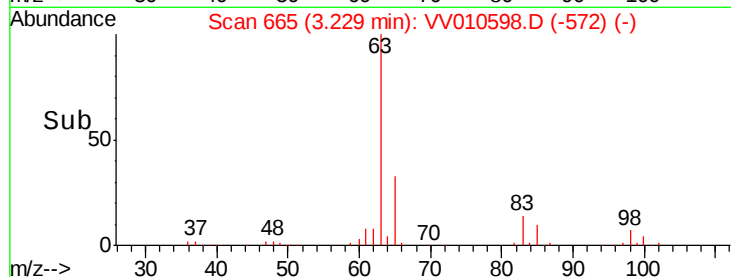
63 100

65 32.5 22.9 42.5

83 13.6 8.6 16.0



Abundance Ion 63.10 (62.80 to 63.80): VV010598.D (-572) (-)



#21

2-Butanone

Concen: 60.632 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.01 min

Lab File: VV010598.D

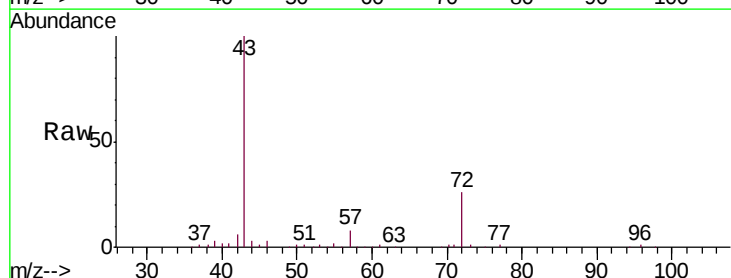
Acq: 01 May 2019 01:54

Tgt Ion: 43 Resp: 161767

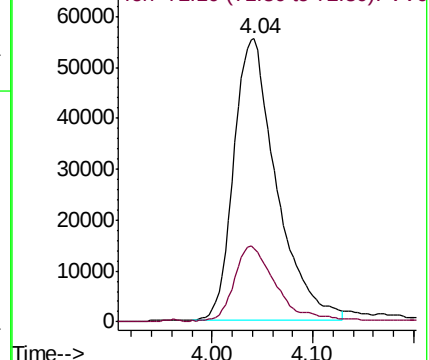
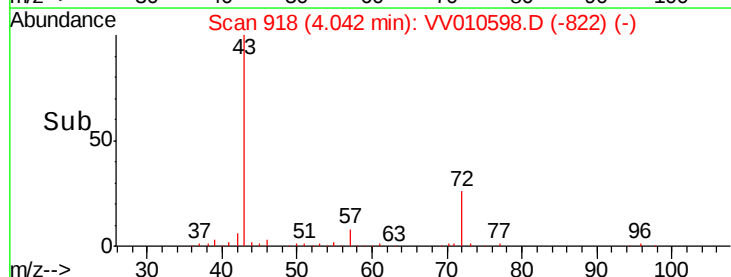
Ion Ratio Lower Upper

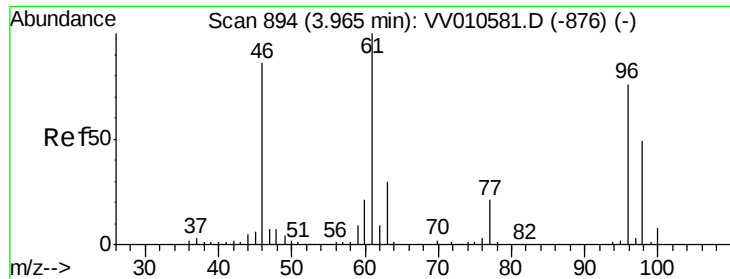
43 100

72 26.0 12.5 37.5



Abundance Ion 43.05 (42.75 to 43.75): VV010598.D (-822) (-)



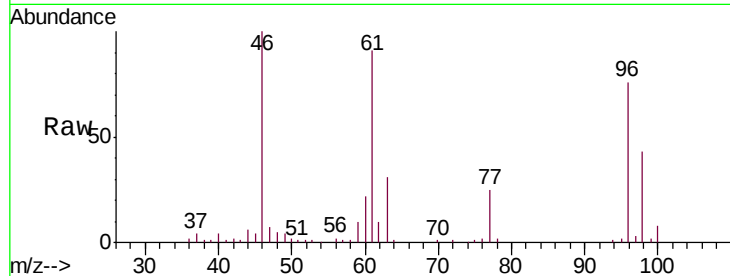


#22

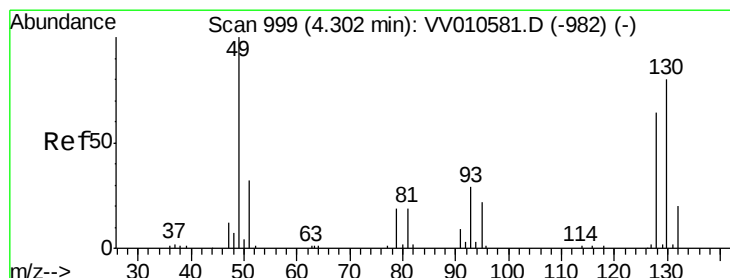
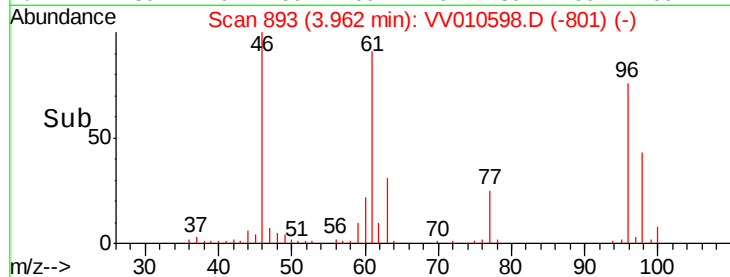
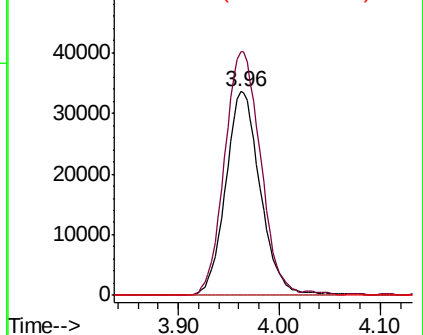
cis-1,2-Dichloroethene
Concen: 5.919 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV010598.D
Acq: 01 May 2019 01:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tgt Ion: 96 Resp: 80302
Ion Ratio Lower Upper
96 100
61 119.3 90.0 167.2
68 0.0 0.0 0.0



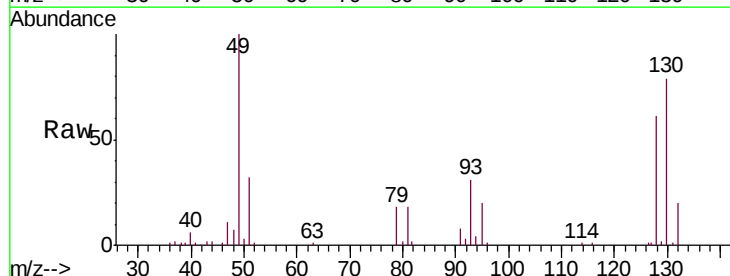
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



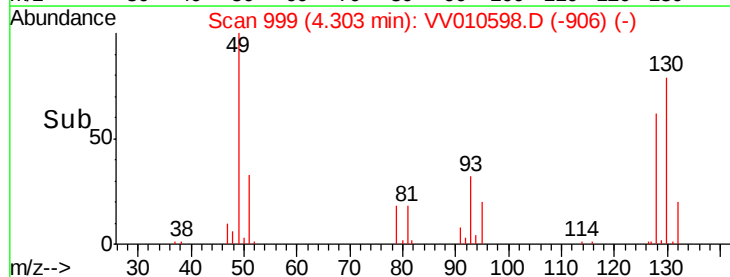
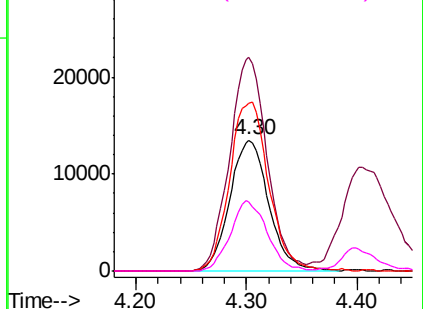
#23

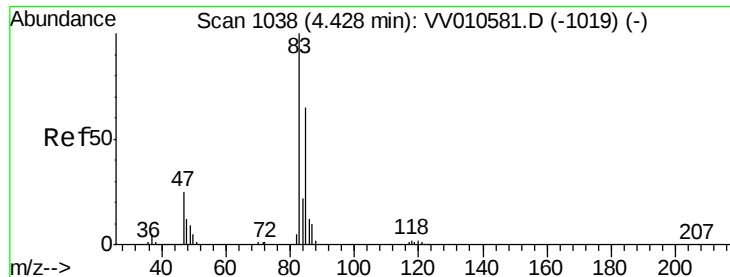
Bromochloromethane
Concen: 6.031 ug/L
RT: 4.30 min Scan# 999
Delta R.T. 0.00 min
Lab File: VV010598.D
Acq: 01 May 2019 01:54

Tgt Ion: 128 Resp: 33023
Ion Ratio Lower Upper
128 100
49 163.0 111.0 206.2
130 128.2 87.1 161.7
51 52.6 40.7 61.1



Abundance Ion 127.90 (127.60 to 128.60): V
Ion 49.10 (48.80 to 49.80): VV0
Ion 129.95 (129.65 to 130.65): V
Ion 51.05 (50.75 to 51.75): VV0

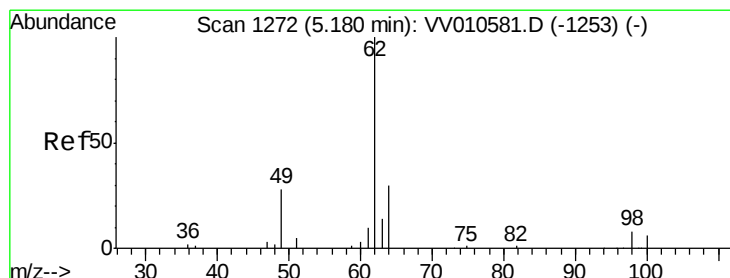
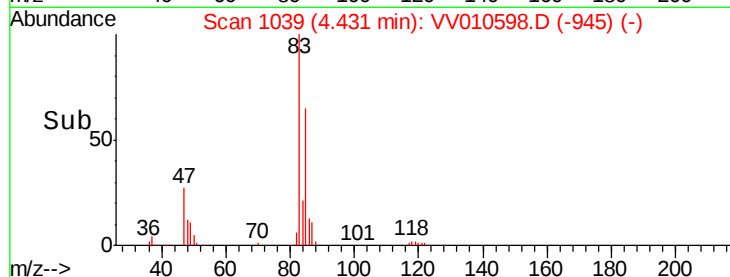
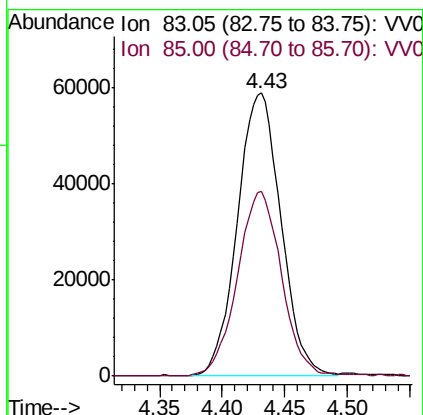
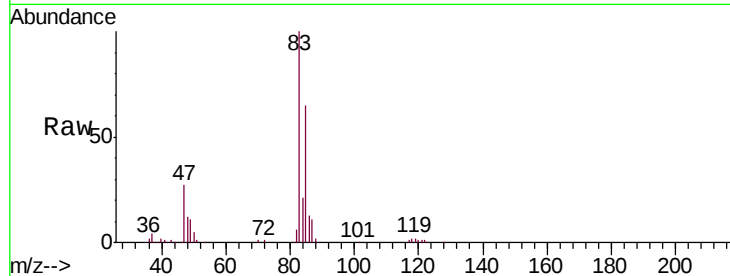




#25
Chloroform
Concen: 5.835 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV010598.D
Acq: 01 May 2019 01:54

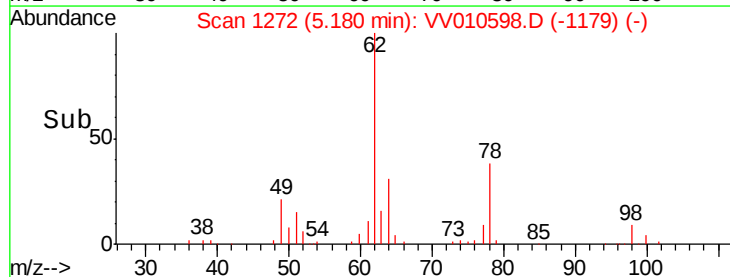
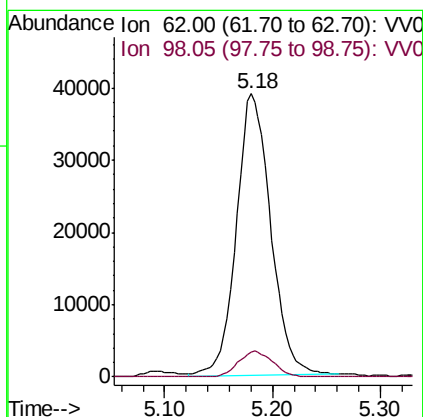
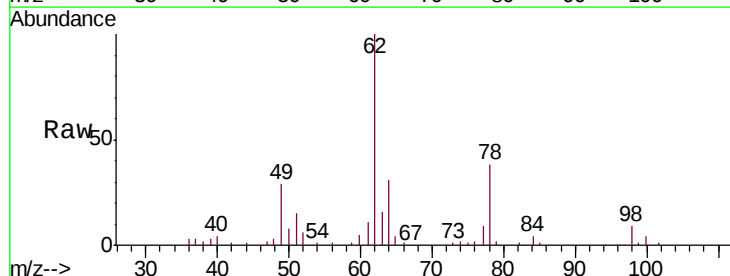
Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

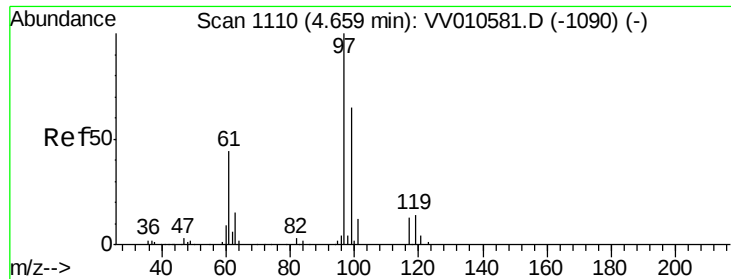
Tgt Ion: 83 Resp: 142453
Ion Ratio Lower Upper
83 100
85 65.5 45.8 85.2



#27
1,2-Dichloroethane
Concen: 6.195 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV010598.D
Acq: 01 May 2019 01:54

Tgt Ion: 62 Resp: 86422
Ion Ratio Lower Upper
62 100
98 8.9 6.5 9.7

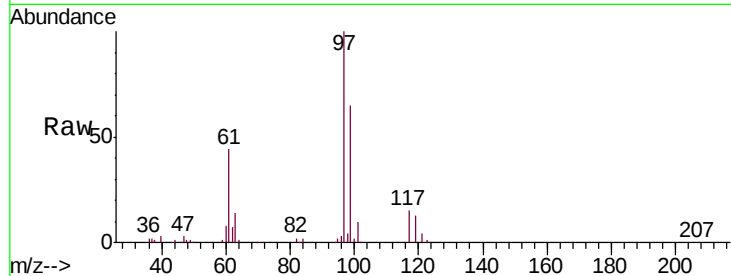




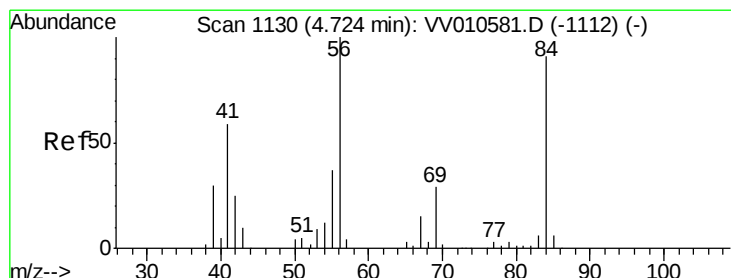
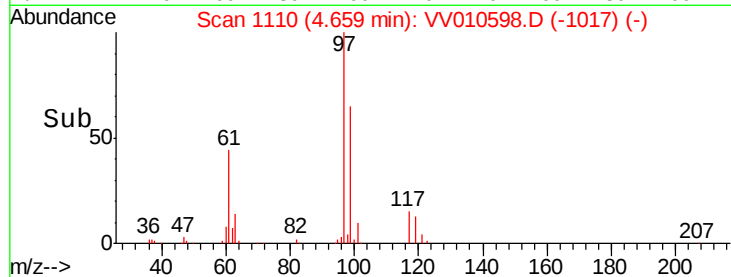
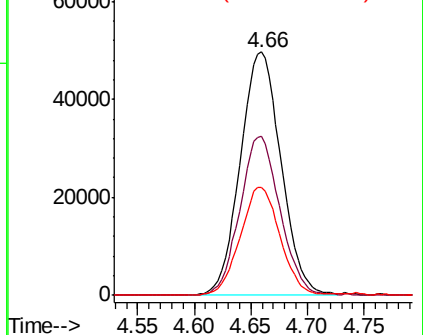
#29
 1,1,1-Trichloroethane
 Concen: 5.641 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion: 97 Resp: 124677
 Ion Ratio Lower Upper
 97 100
 99 64.2 51.0 76.6
 61 43.6 34.7 52.1

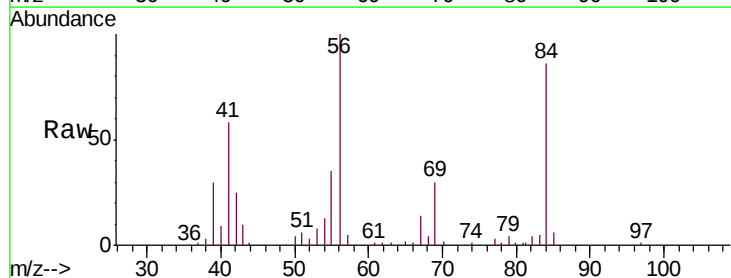


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

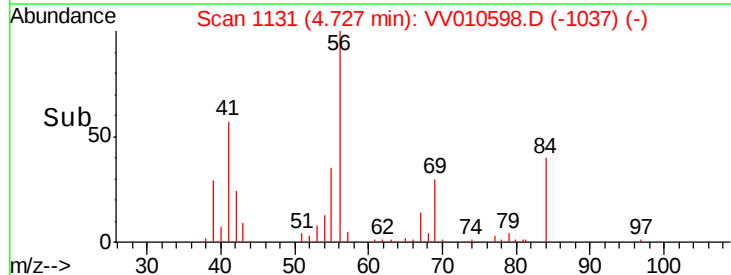
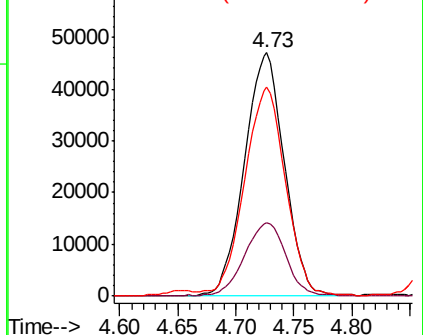


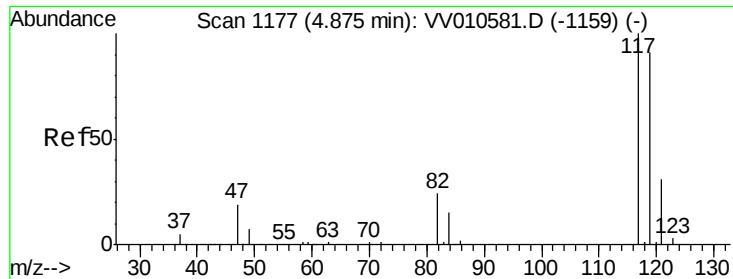
#30
 Cyclohexane
 Concen: 5.508 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Tgt Ion: 56 Resp: 112552
 Ion Ratio Lower Upper
 56 100
 69 31.3 24.5 36.7
 84 88.4 70.2 105.4



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.535 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

Instrument :

MSVOA_V

ClientSampled :

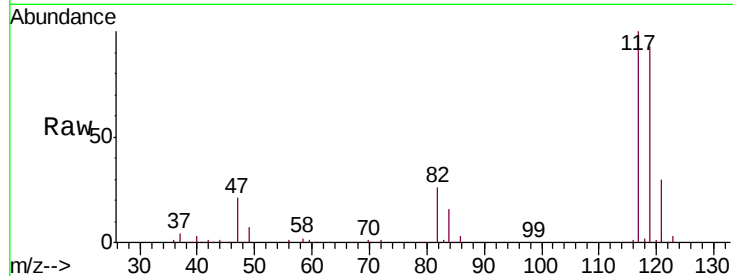
VSTD00554

Tgt Ion:117 Resp: 112743

Ion Ratio Lower Upper

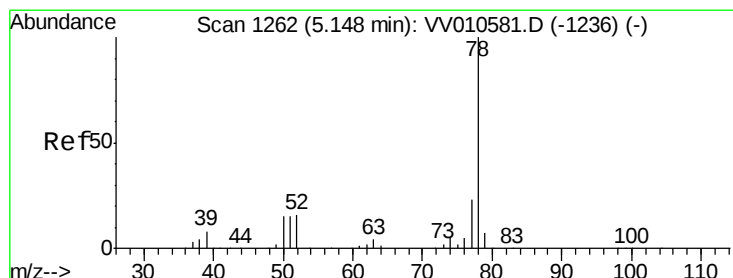
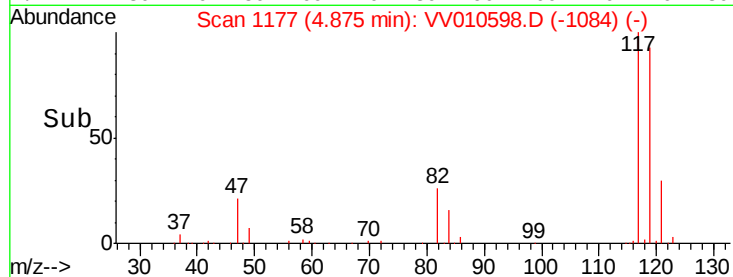
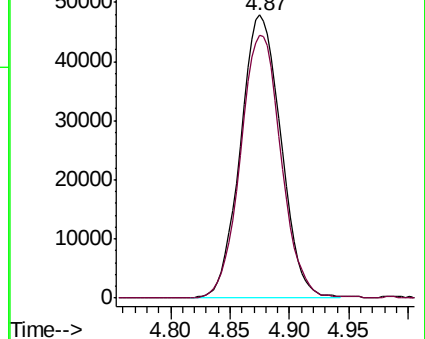
117 100

119 93.1 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.766 ug/L

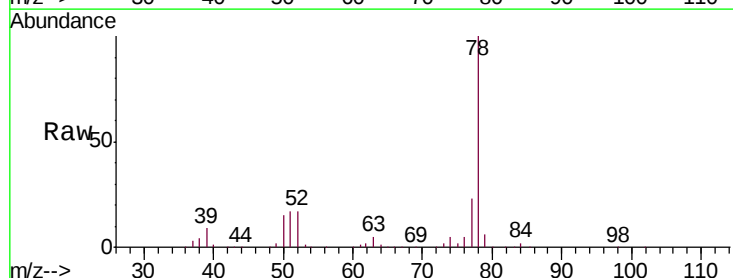
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

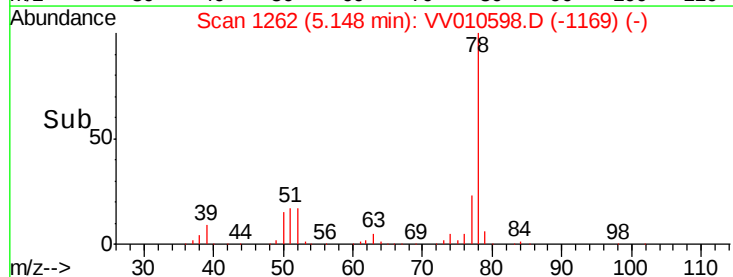
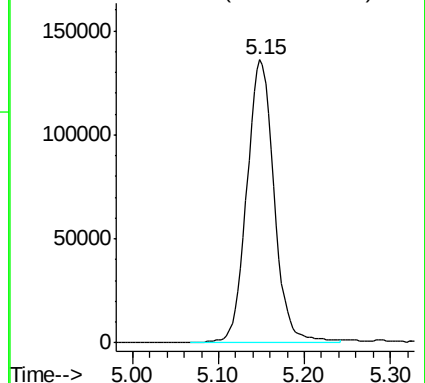
Lab File: VV010598.D

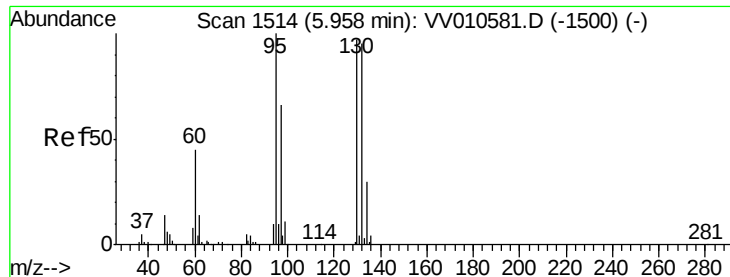
Acq: 01 May 2019 01:54

Tgt Ion: 78 Resp: 302010



Abundance Ion 78.10 (77.80 to 78.80): VV0

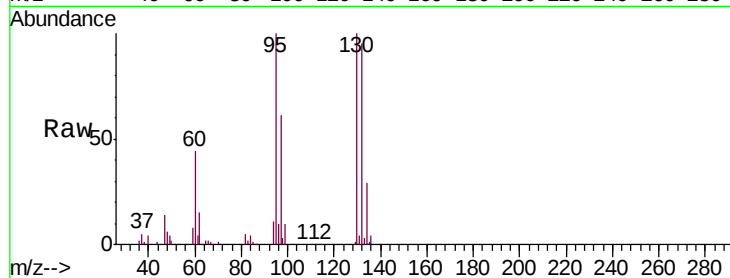




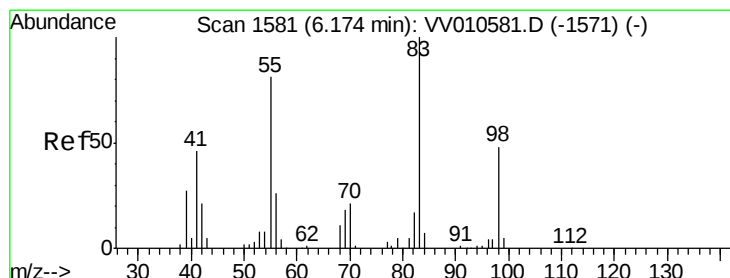
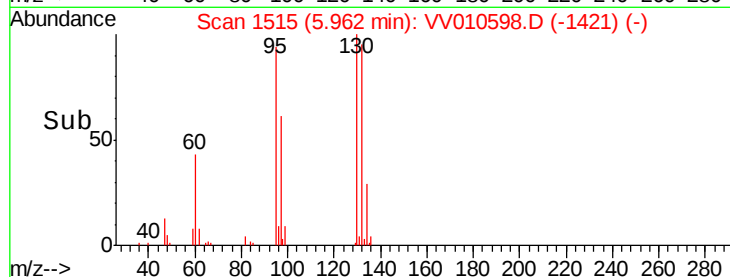
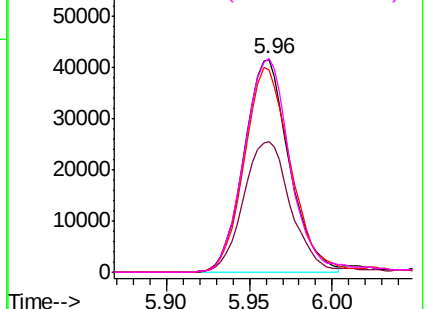
#34
 Trichloroethene
 Concen: 5.183 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion:	95	Resp:	78907
Ion	Ratio	Lower	Upper
95	100		
97	61.5	44.3	82.3
132	95.3	67.1	124.7
130	100.4	68.7	127.5

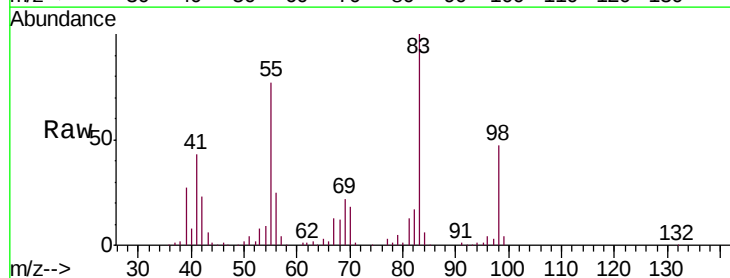


Abundance Ion 95.00 (94.70 to 95.70): VV010598.D (-1421) (-)
 Ion 96.95 (96.65 to 97.65): VV010598.D (-1421) (-)
 Ion 131.95 (131.65 to 132.65): VV010598.D (-1421) (-)
 Ion 129.95 (129.65 to 130.65): VV010598.D (-1421) (-)

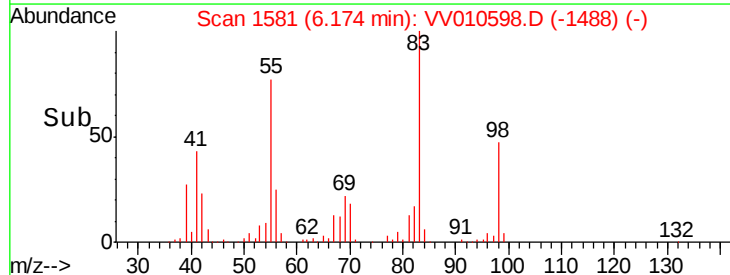
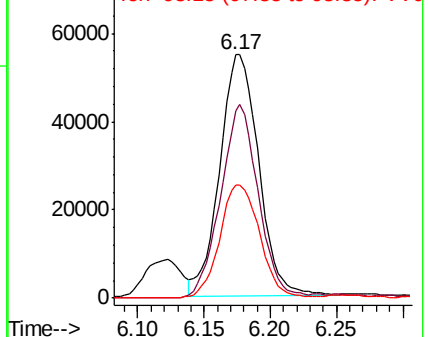


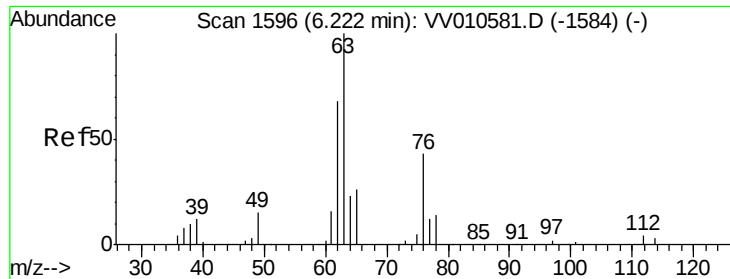
#35
 Methylcyclohexane
 Concen: 5.271 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Tgt Ion:	83	Resp:	111704
Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.6	94.0
98	48.0	38.8	58.2



Abundance Ion 83.15 (82.85 to 83.85): VV010598.D (-1488) (-)
 Ion 55.10 (54.80 to 55.80): VV010598.D (-1488) (-)
 Ion 98.15 (97.85 to 98.85): VV010598.D (-1488) (-)

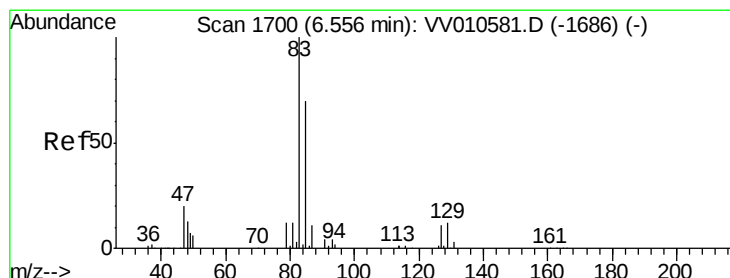
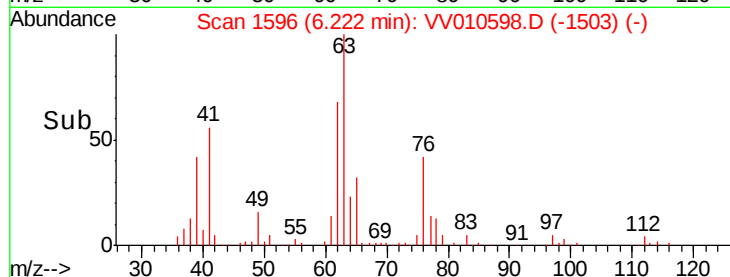
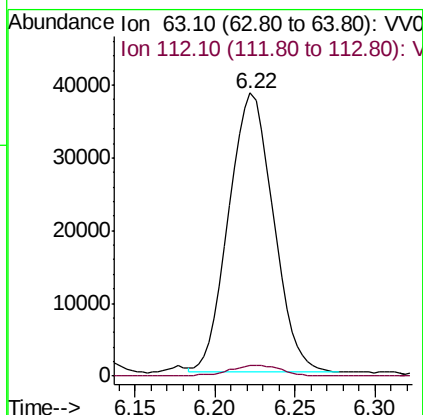
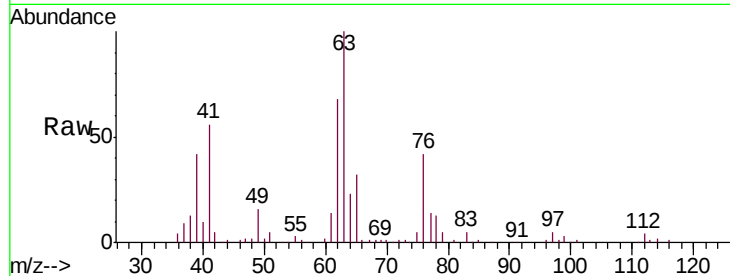




#37
 1,2-Dichloropropane
 Concen: 5.620 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

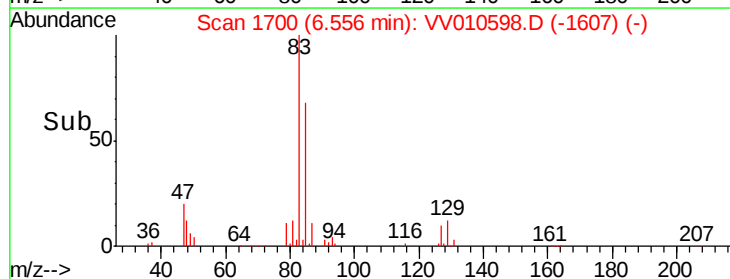
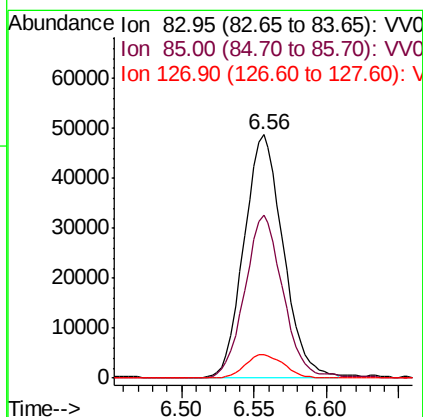
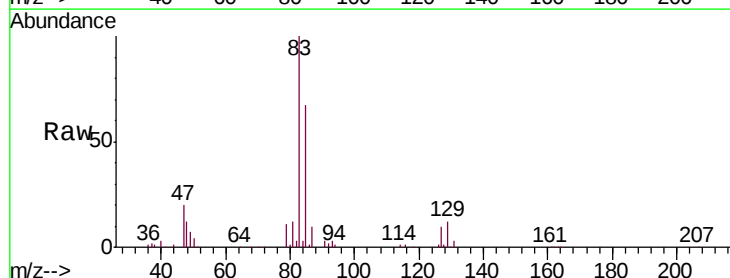
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

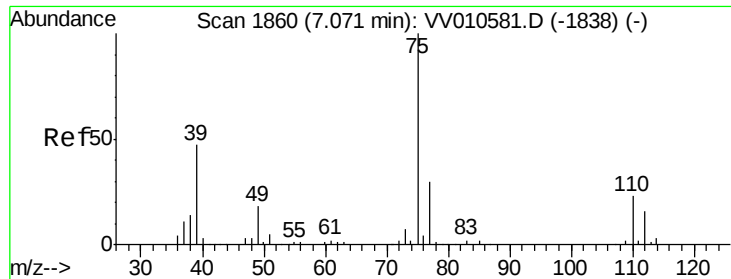
Tgt Ion: 63 Resp: 73080
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.6 5.4



#38
 Bromodichloromethane
 Concen: 5.395 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Tgt Ion: 83 Resp: 90978
 Ion Ratio Lower Upper
 83 100
 85 66.9 47.7 88.7
 127 9.9 6.9 10.3

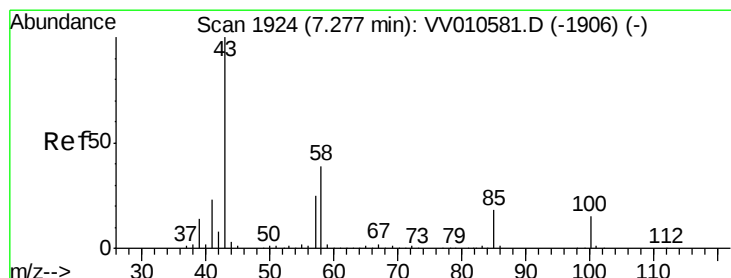
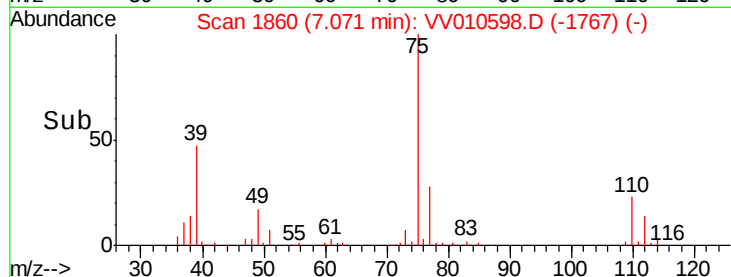
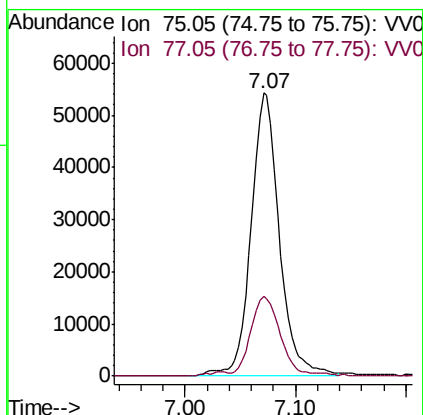
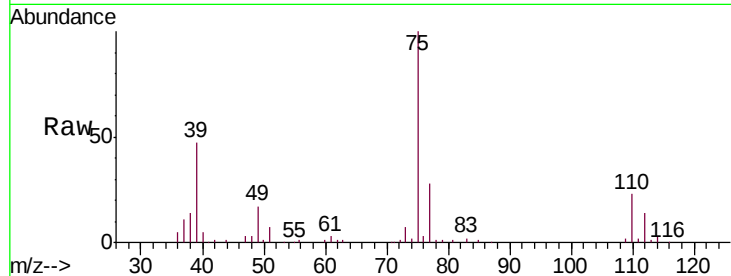




#39
 cis-1,3-Dichloropropene
 Concen: 5.316 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

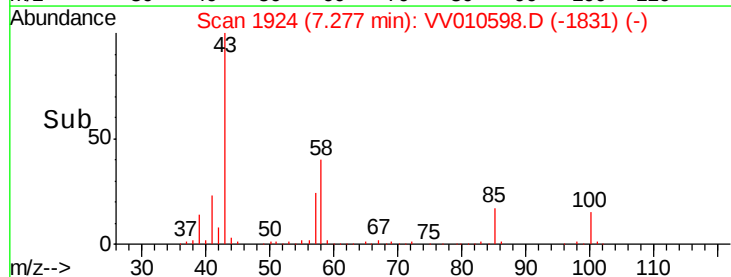
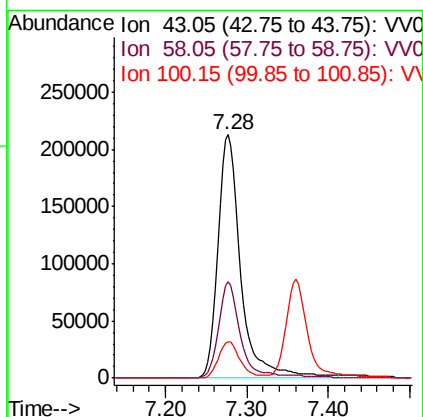
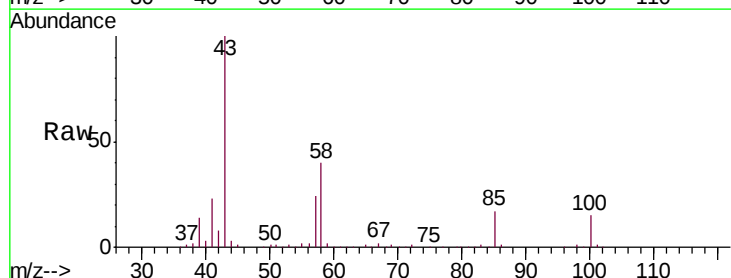
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

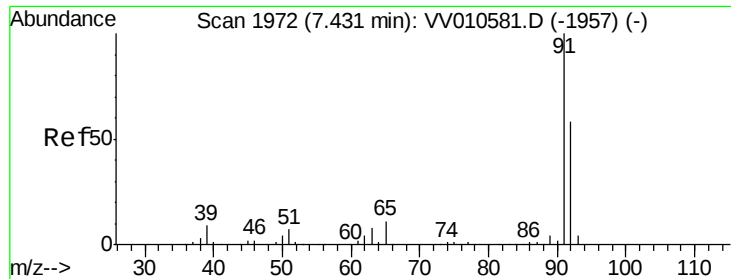
Tgt Ion: 75 Resp: 96632
 Ion Ratio Lower Upper
 75 100
 77 28.0 20.9 38.7



#40
 4-Methyl-2-pentanone
 Concen: 60.086 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Tgt Ion: 43 Resp: 423829
 Ion Ratio Lower Upper
 43 100
 58 37.0 30.2 45.4
 100 14.2 11.3 16.9





#42

Toluene

Concen: 5.724 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

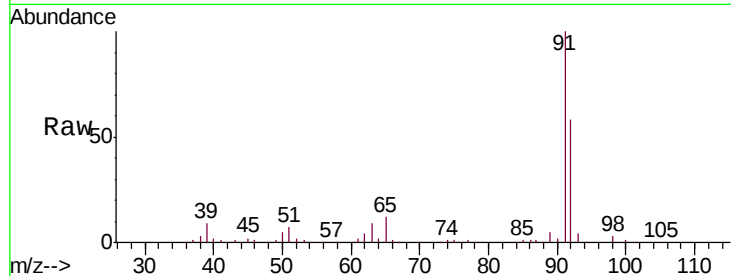
VSTD00554

Tgt Ion: 91 Resp: 334235

Ion Ratio Lower Upper

91 100

92 58.2 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV010581.D (-1957) (-)

Ion 92.15 (91.85 to 92.85): VV010581.D (-1957) (-)

7.43

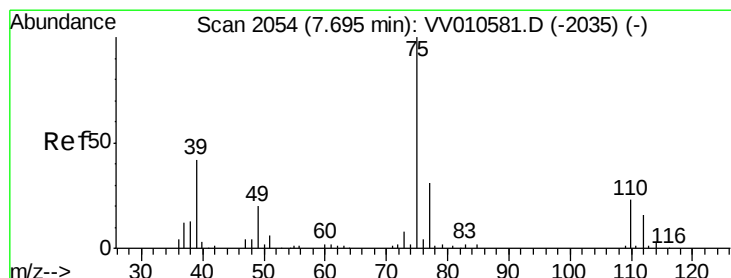
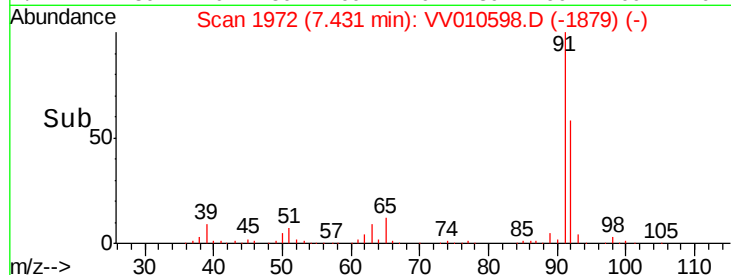
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.410 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010598.D

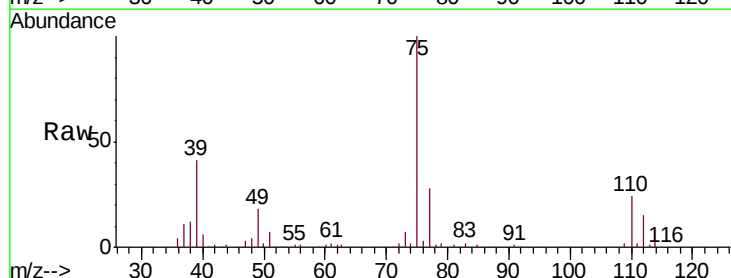
Acq: 01 May 2019 01:54

Tgt Ion: 75 Resp: 74572

Ion Ratio Lower Upper

75 100

77 28.4 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV010581.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV010581.D (-2035) (-)

7.69

50000

40000

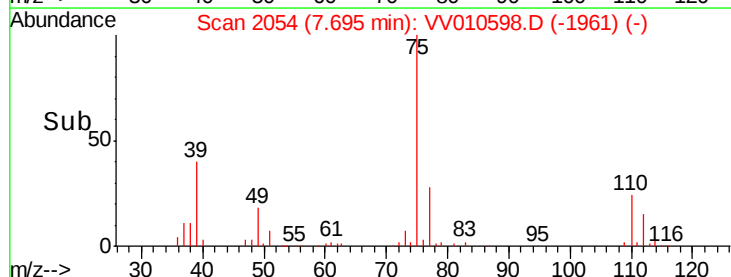
30000

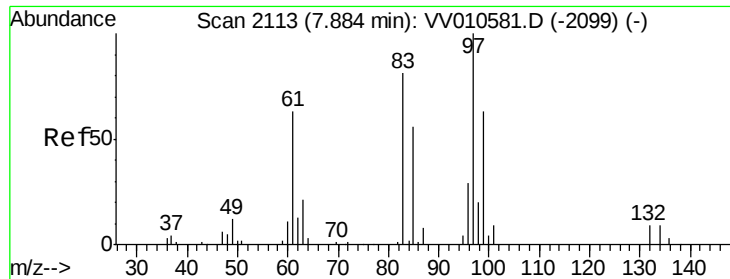
20000

10000

0

Time-->

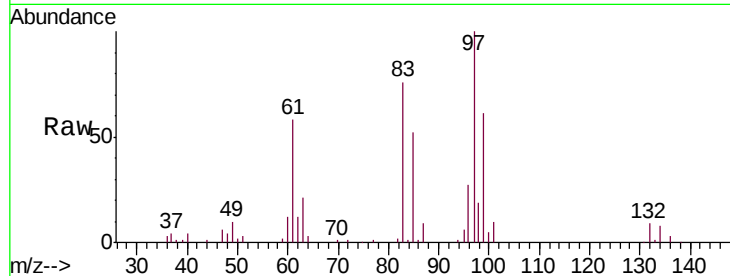




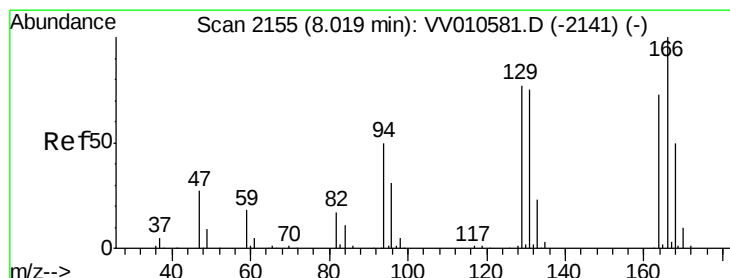
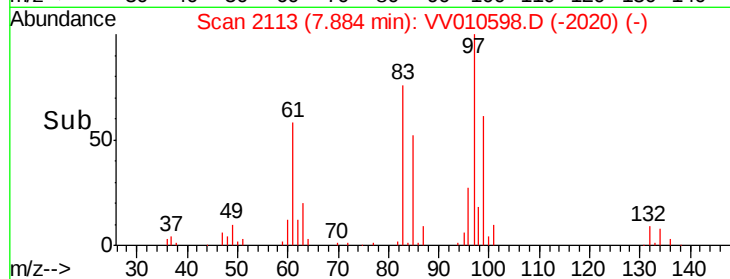
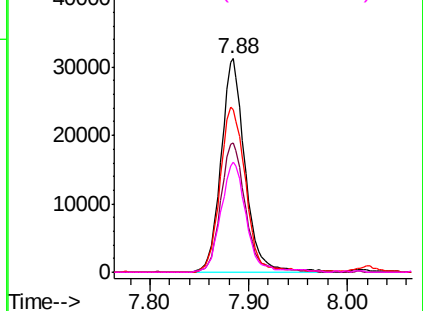
#45
 1,1,2-Trichloroethane
 Concen: 6.030 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion:	97	Resp:	53492
Ion	Ratio	Lower	Upper
97	100		
99	60.5	47.9	89.1
83	76.2	62.9	116.9
85	51.7	38.9	72.2

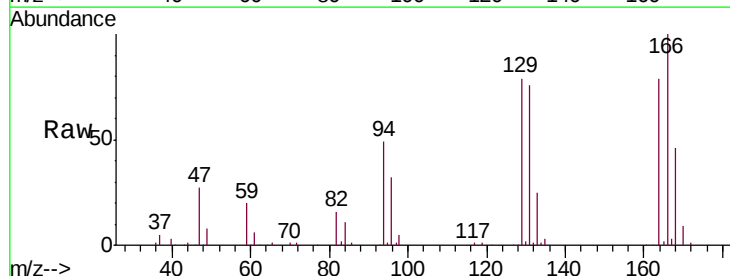


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

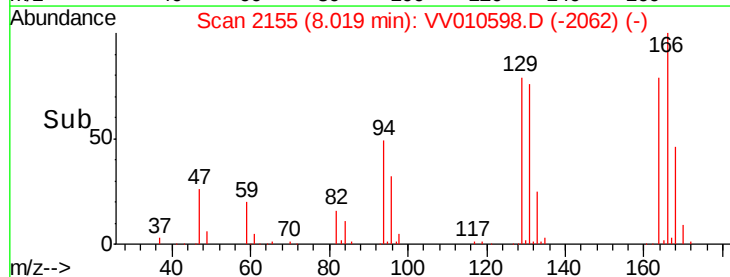
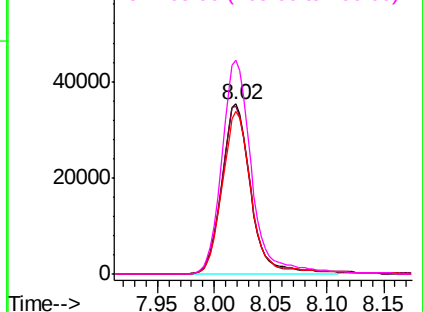


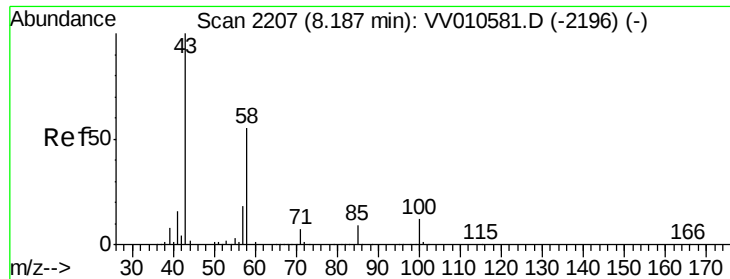
#47
 Tetrachloroethene
 Concen: 5.459 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Tgt Ion:	164	Resp:	63396
Ion	Ratio	Lower	Upper
164	100		
129	99.0	69.8	129.6
131	96.1	70.2	130.4
166	125.8	94.3	175.1



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

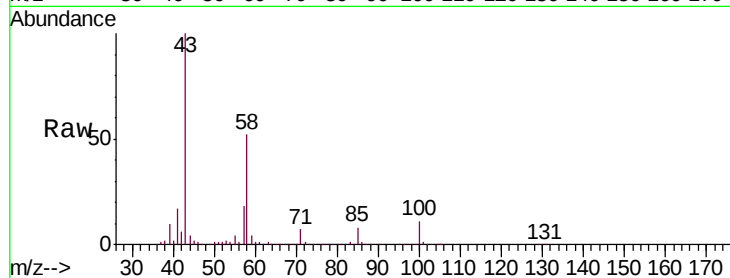




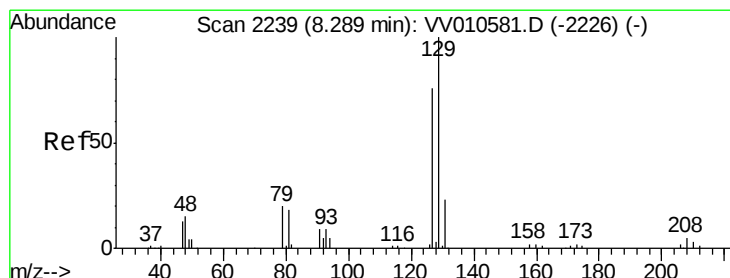
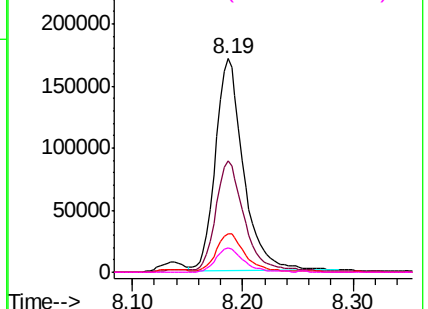
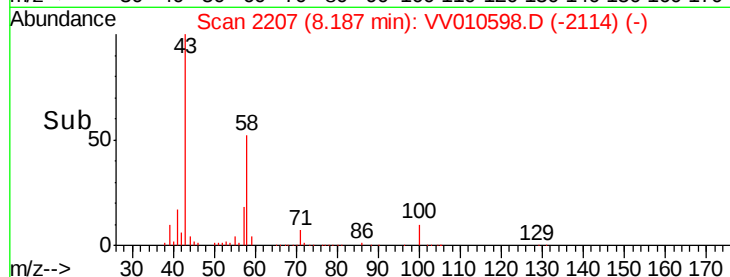
#48
2-Hexanone
Concen: 59.427 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010598.D
Acq: 01 May 2019 01:54

Instrument :
MSVOA_V
ClientSampleId :
VSTD00554

Tgt Ion:	43	Resp:	301474
Ion	Ratio	Lower	Upper
43	100		
58	53.7	42.2	63.4
57	18.4	14.4	21.6
100	11.4	9.0	13.6

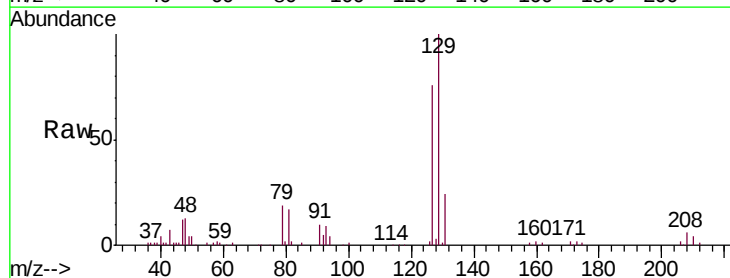


Abundance Ion 43.05 (42.75 to 43.75): VV010598.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV010598.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV010598.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV010598.D (-2114) (-)

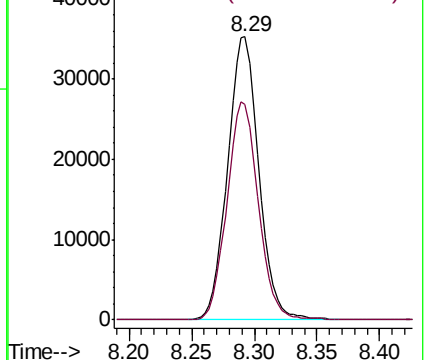
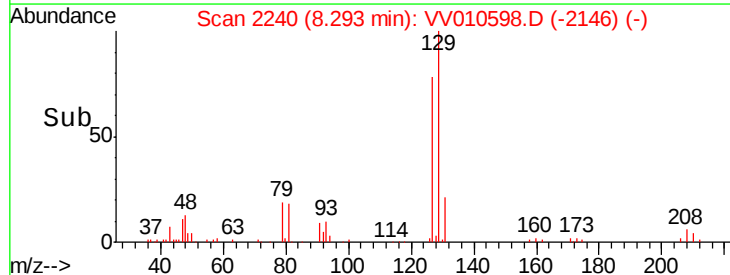


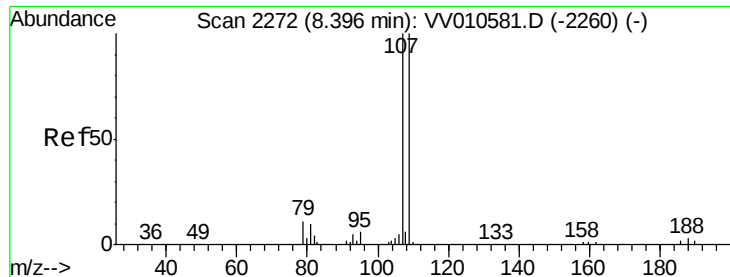
#49
Dibromochloromethane
Concen: 5.668 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV010598.D
Acq: 01 May 2019 01:54

Tgt Ion:	129	Resp:	60897
Ion	Ratio	Lower	Upper
129	100		
127	75.9	57.5	106.7



Abundance Ion 128.95 (128.65 to 129.65): VV010598.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV010598.D (-2146) (-)

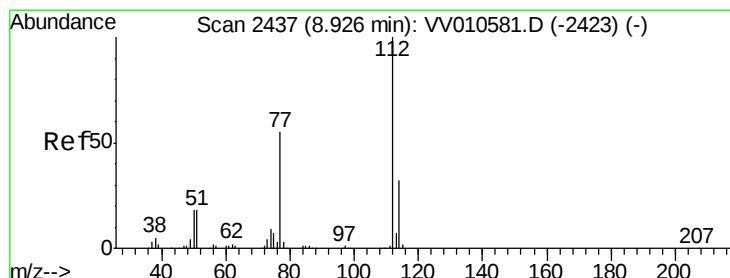
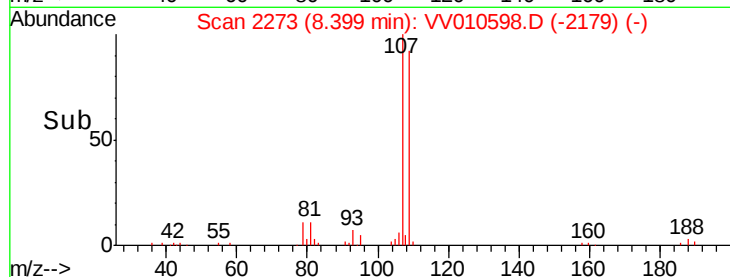
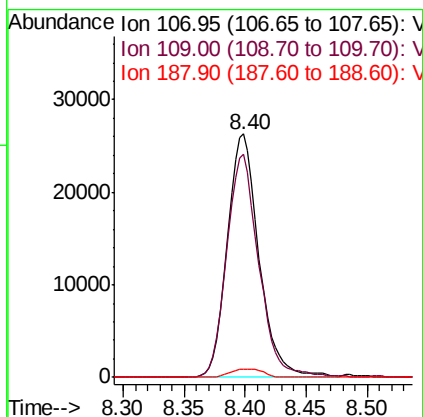
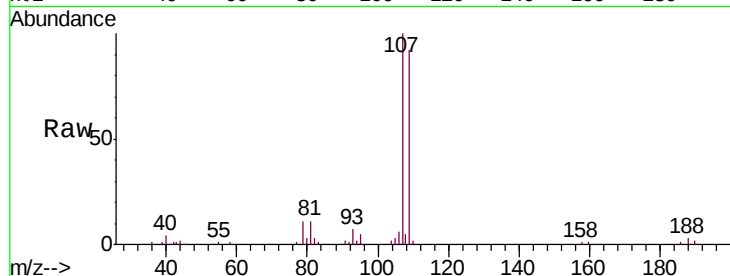




#50
 1,2-Dibromoethane
 Concen: 5.679 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

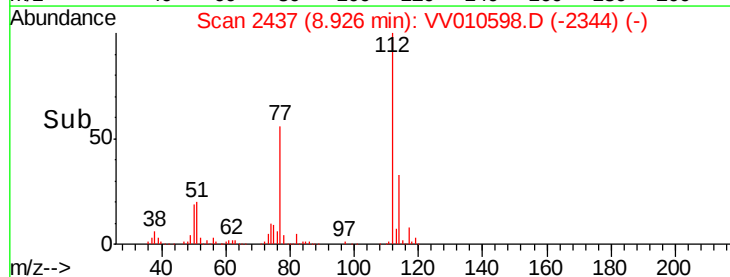
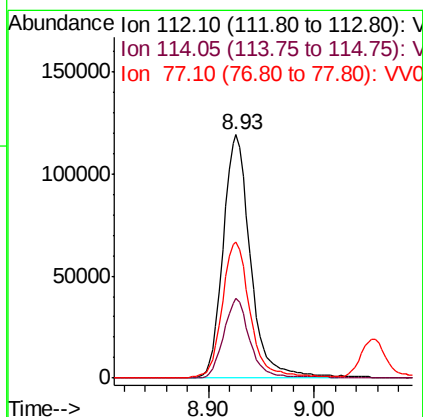
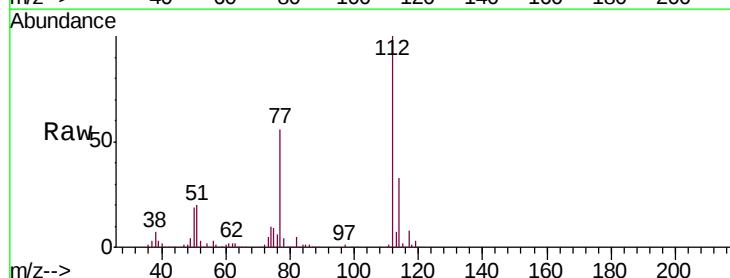
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

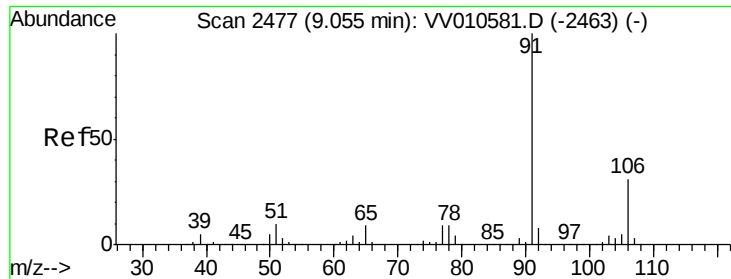
Tgt Ion:107 Resp: 47840
 Ion Ratio Lower Upper
 107 100
 109 91.7 66.0 122.6
 188 3.4 2.7 4.1



#51
 Chlorobenzene
 Concen: 5.518 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Tgt Ion:112 Resp: 214111
 Ion Ratio Lower Upper
 112 100
 114 32.8 23.1 42.9
 77 55.8 44.9 67.3





#52

Ethylbenzene

Concen: 5.606 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

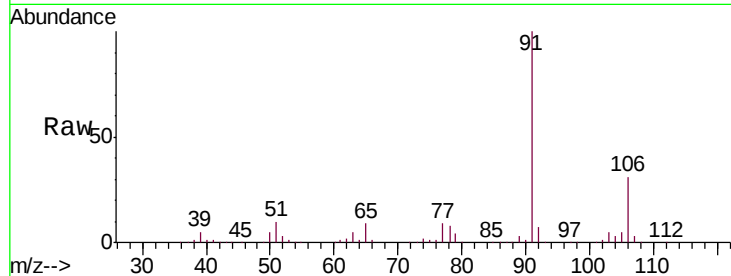
VSTD00554

Tgt Ion: 91 Resp: 356728

Ion Ratio Lower Upper

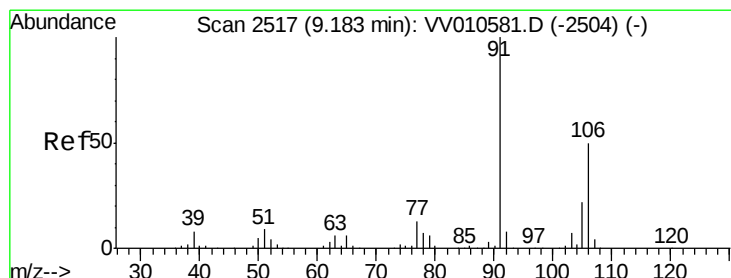
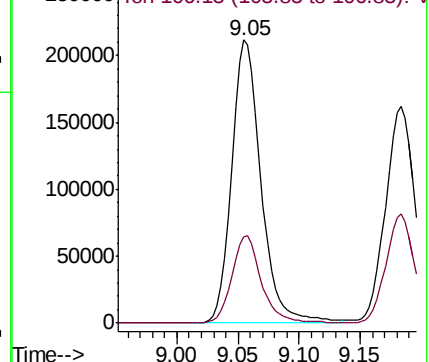
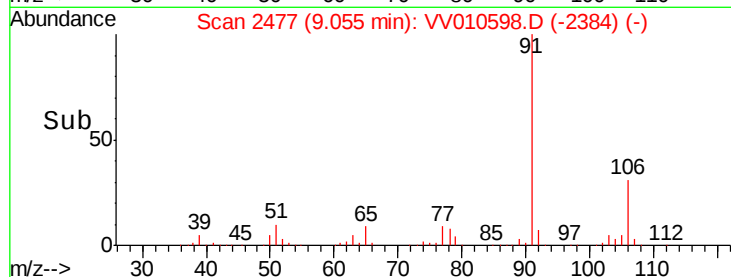
91 100

106 30.5 21.8 40.4



Abundance Ion 91.15 (90.85 to 91.85): VV010598.D (-2384) (-)

Ion 106.15 (105.85 to 106.85): VV010598.D (-2384) (-)



#53

m,p-xylene

Concen: 5.691 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010598.D

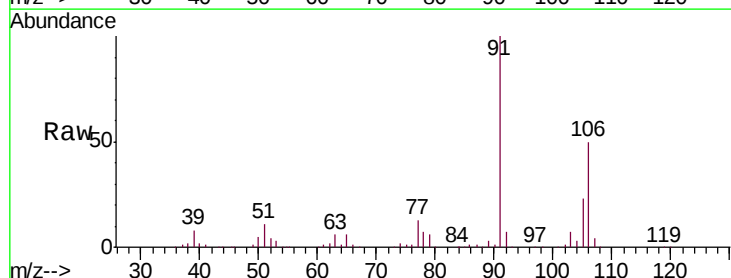
Acq: 01 May 2019 01:54

Tgt Ion: 106 Resp: 137844

Ion Ratio Lower Upper

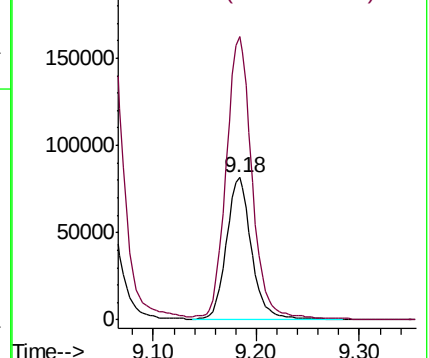
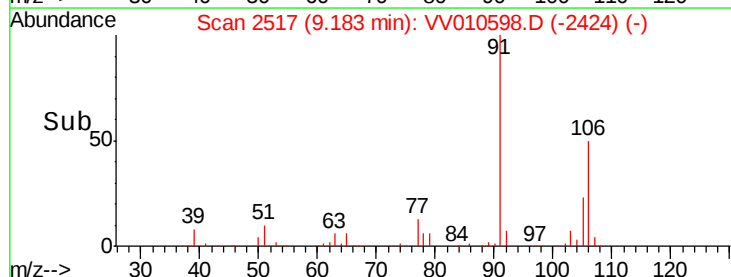
106 100

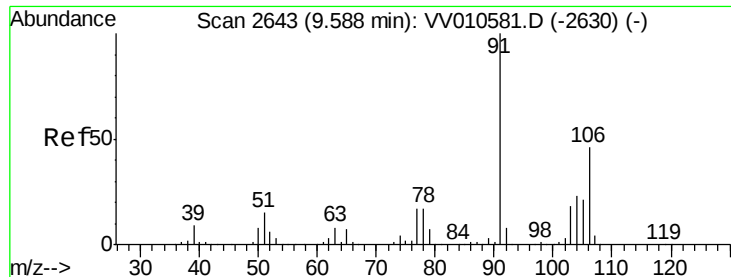
91 199.0 140.3 260.5



Abundance Ion 106.15 (105.85 to 106.85): VV010598.D (-2424) (-)

Ion 91.15 (90.85 to 91.85): VV010598.D (-2424) (-)





#54

o-xylene

Concen: 5.644 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

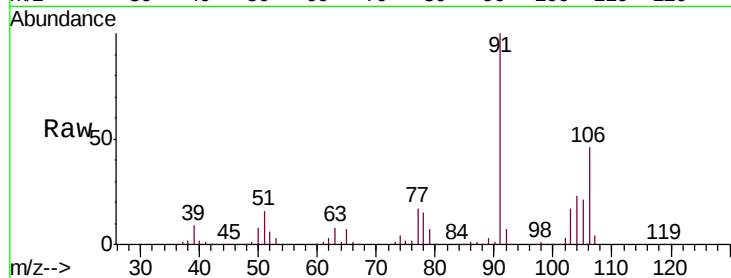
VSTD00554

Tgt Ion:106 Resp: 135763

Ion Ratio Lower Upper

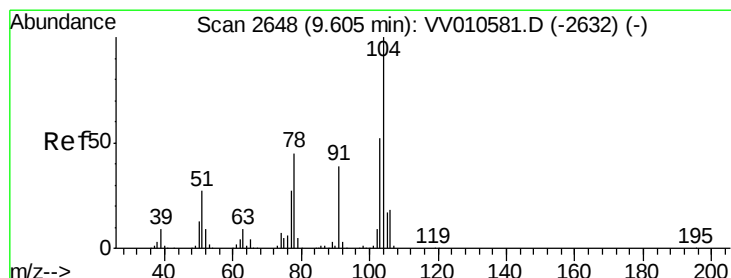
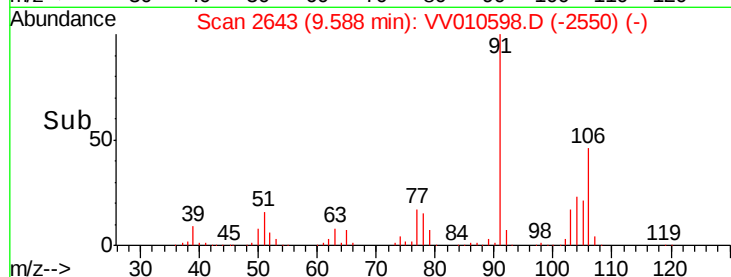
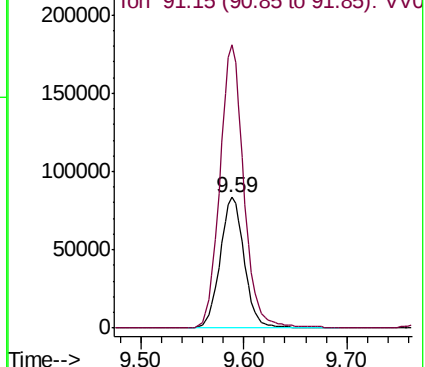
106 100

91 216.9 150.6 279.6



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.780 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010598.D

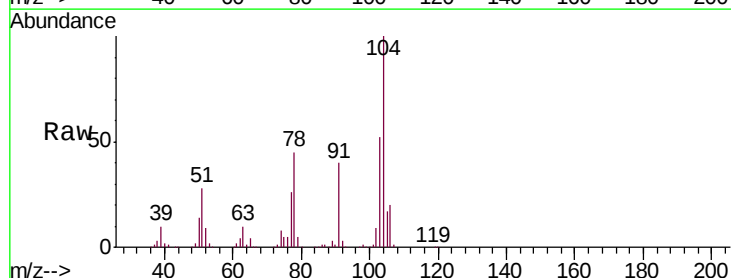
Acq: 01 May 2019 01:54

Tgt Ion:104 Resp: 226266

Ion Ratio Lower Upper

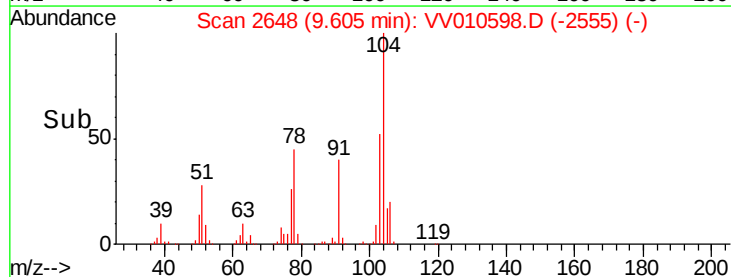
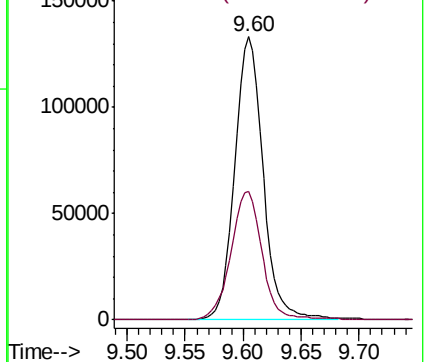
104 100

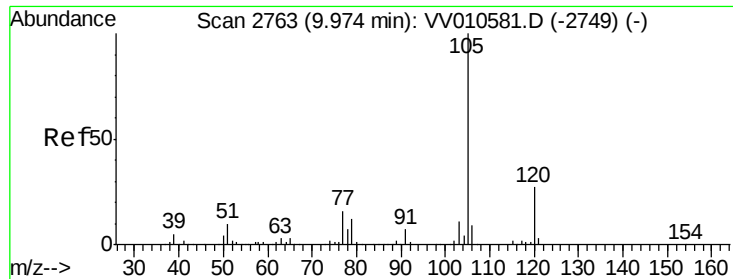
78 45.2 30.7 57.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.687 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

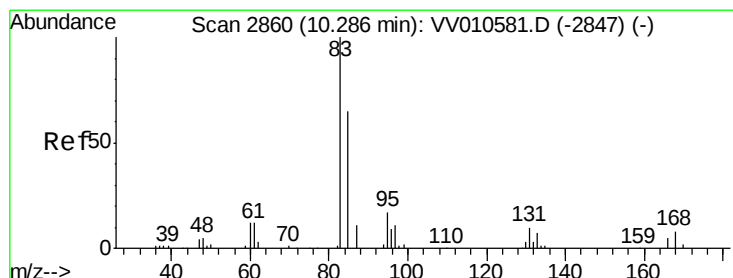
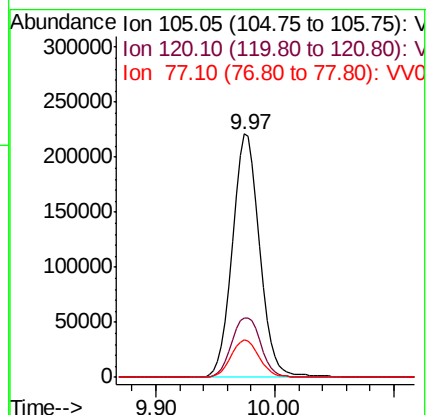
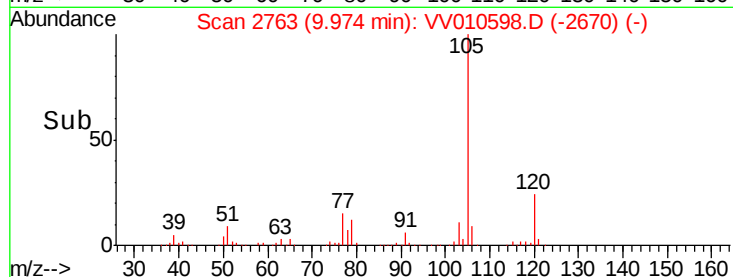
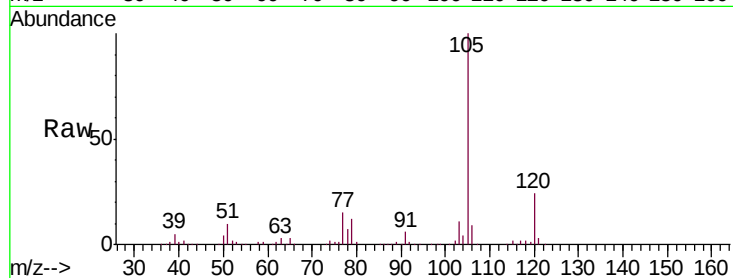
Tgt Ion: 105 Resp: 351827

Ion Ratio Lower Upper

105 100

120 26.2 21.4 32.2

77 16.0 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 5.419 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

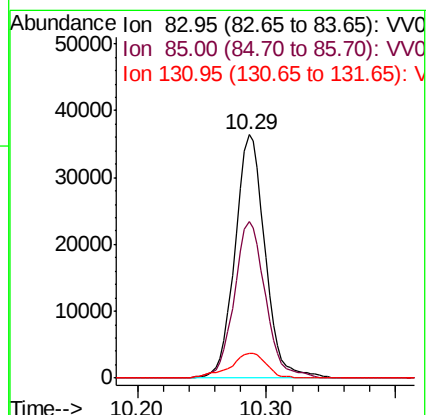
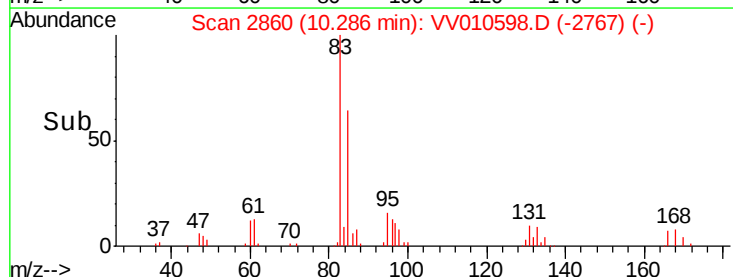
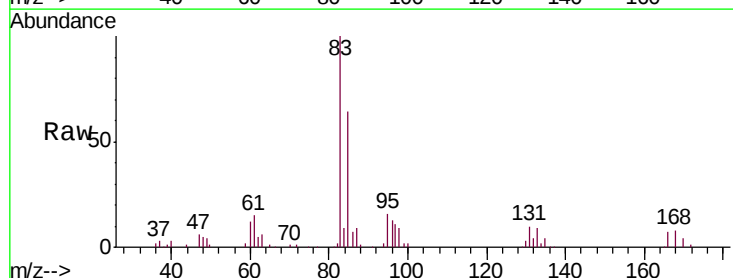
Tgt Ion: 83 Resp: 58841

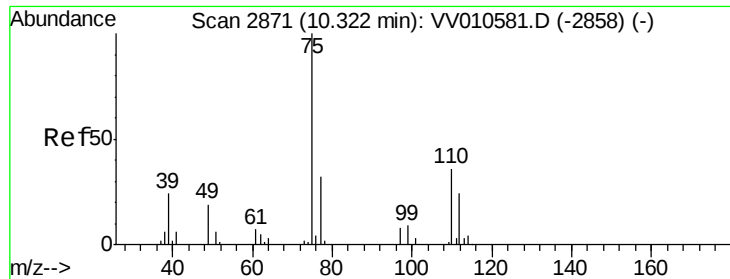
Ion Ratio Lower Upper

83 100

85 64.2 46.3 85.9

131 10.3 7.8 11.8

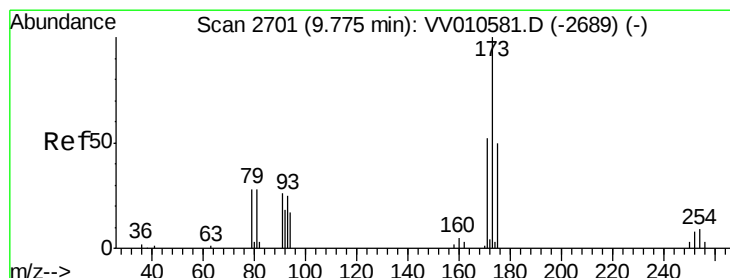
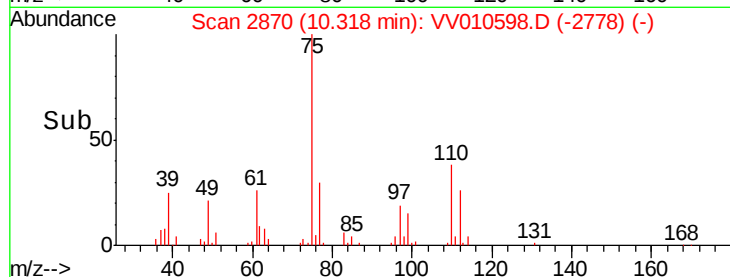
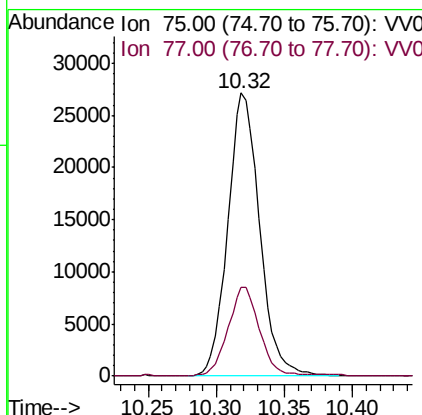
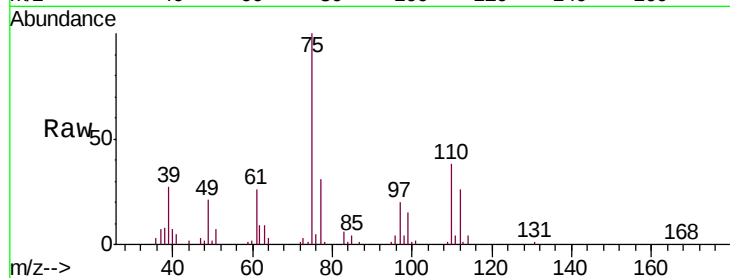




#59
 1,2,3-Trichloropropane
 Concen: 5.567 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

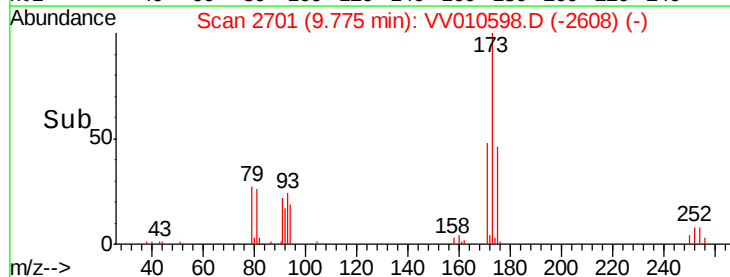
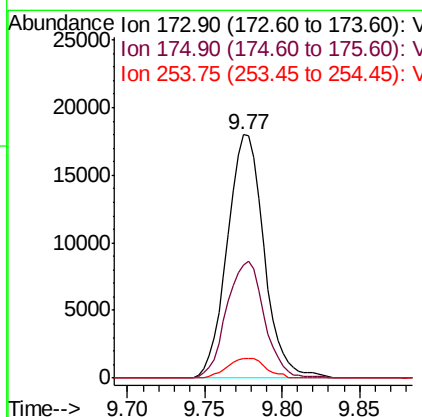
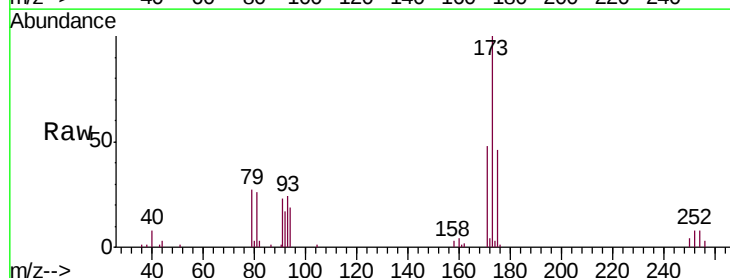
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00554

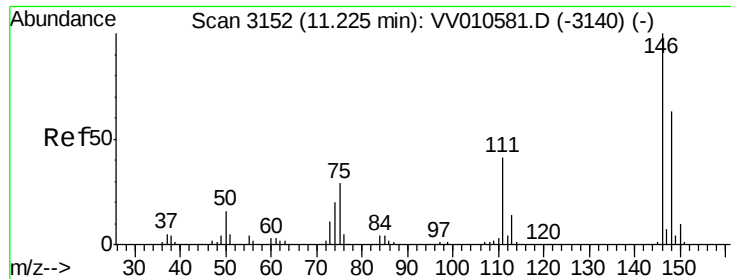
Tgt Ion: 75 Resp: 44041
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.2 39.2



#61
 Bromoform
 Concen: 5.802 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Tgt Ion: 173 Resp: 29665
 Ion Ratio Lower Upper
 173 100
 175 48.8 40.6 60.8
 254 8.3 7.3 10.9





#62

1,3-Dichlorobenzene

Concen: 5.453 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

Instrument :

MSVOA_V

ClientSampleId :

VSTD00554

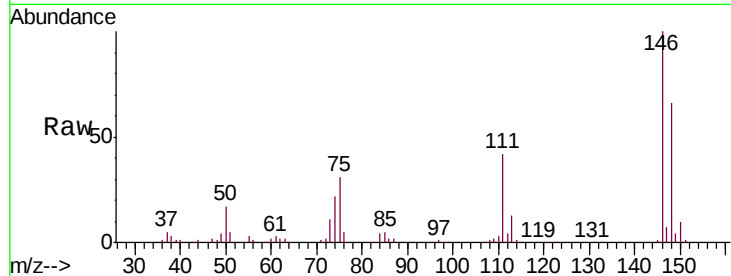
Tgt Ion:146 Resp: 151572

Ion Ratio Lower Upper

146 100

111 41.9 27.6 51.4

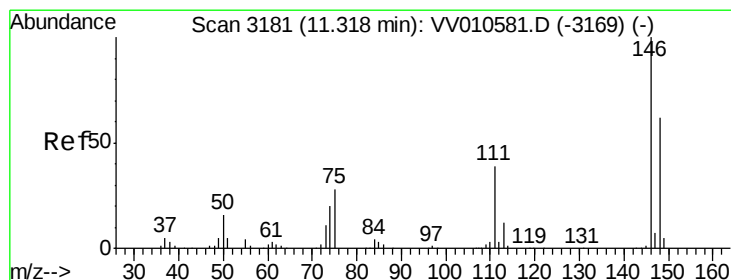
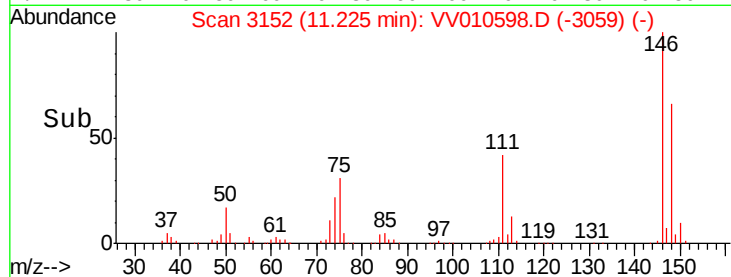
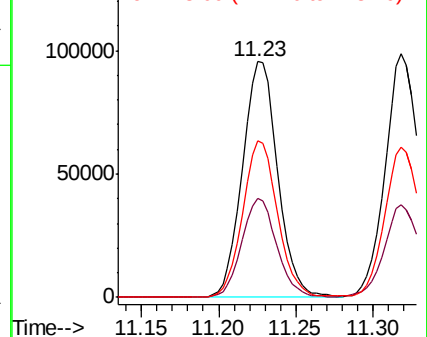
148 66.3 43.0 80.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.492 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

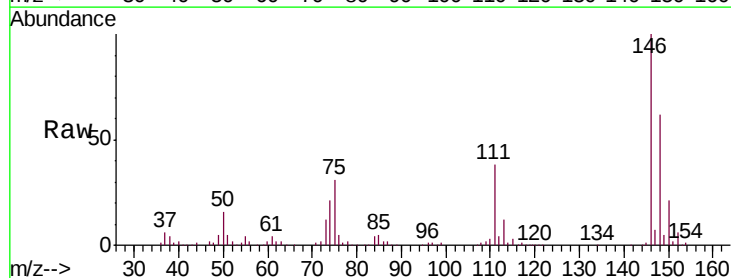
Tgt Ion:146 Resp: 154251

Ion Ratio Lower Upper

146 100

111 37.8 27.4 50.8

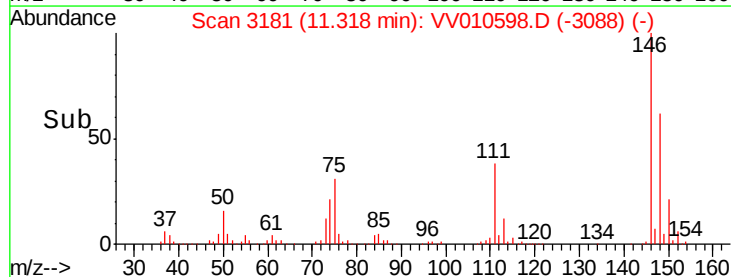
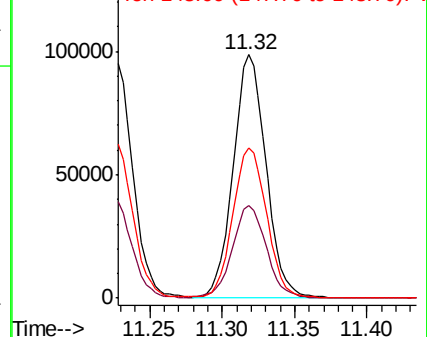
148 61.6 43.3 80.3

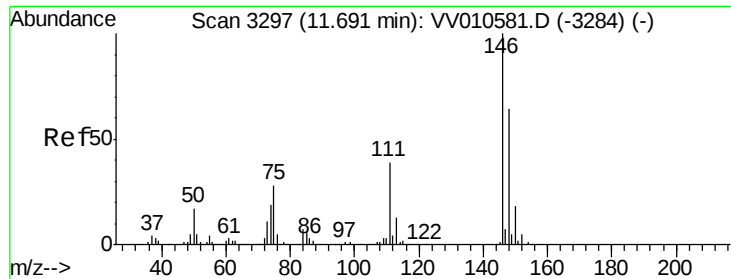


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

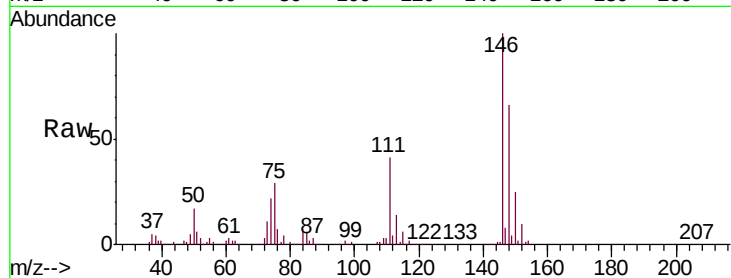




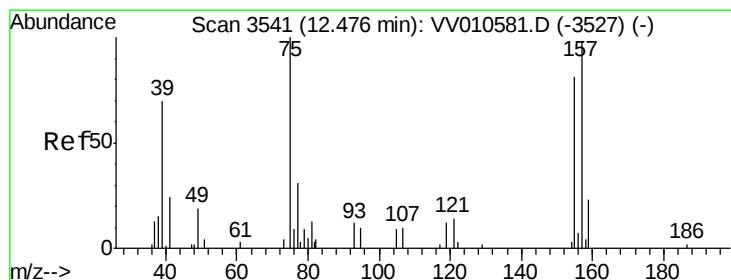
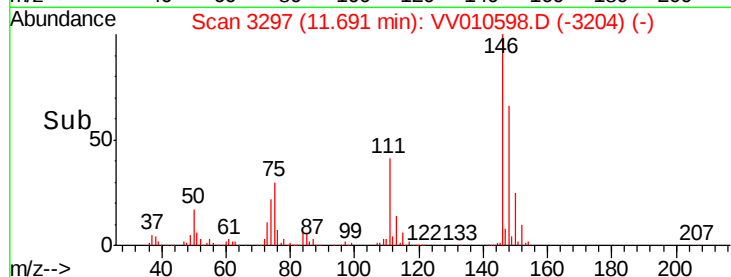
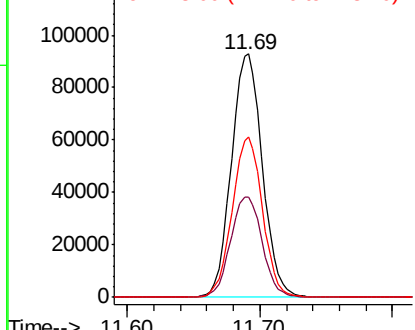
#65
 1,2-Dichlorobenzene
 Concen: 5.710 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

Tgt Ion:146 Resp: 150357
 Ion Ratio Lower Upper
 146 100
 111 41.0 34.4 51.6
 148 65.8 51.9 77.9

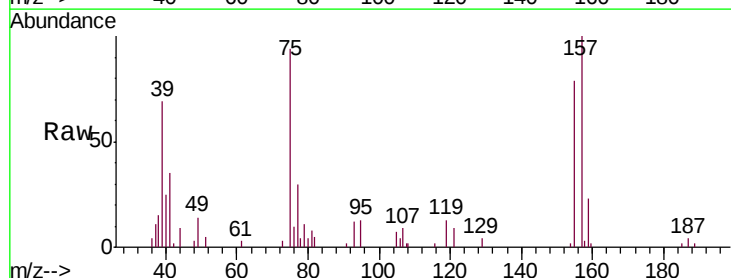


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

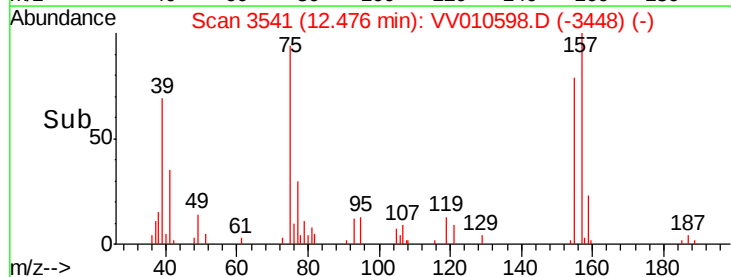
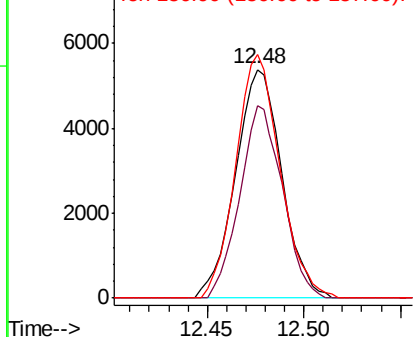


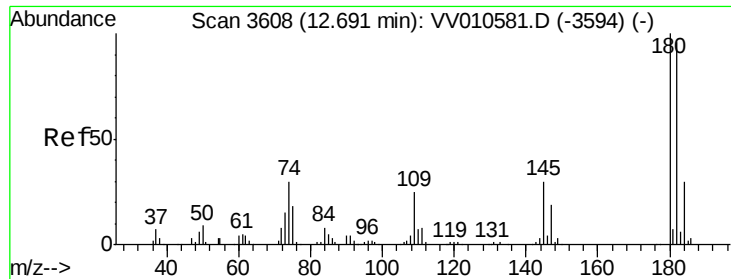
#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.508 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Tgt Ion: 75 Resp: 8959
 Ion Ratio Lower Upper
 75 100
 155 84.1 59.4 89.2
 157 106.4 75.4 113.2



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

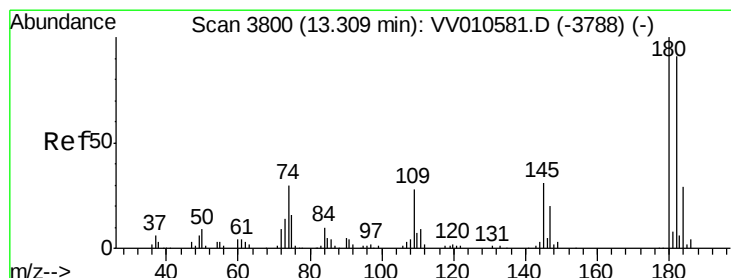
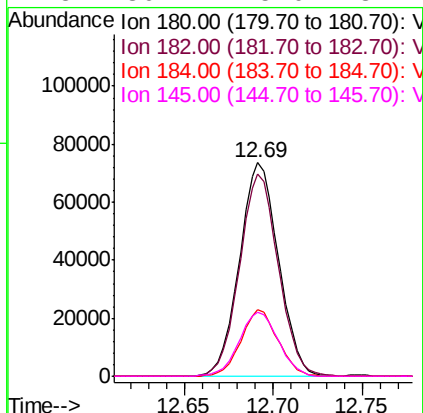
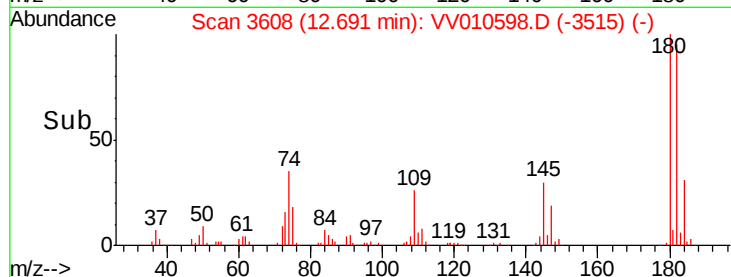
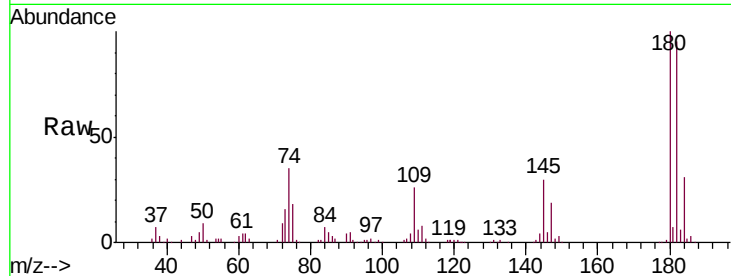




#67
 1,3,5-Trichlorobenzene
 Concen: 5.465 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

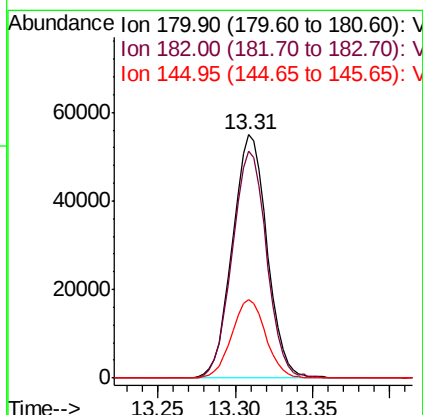
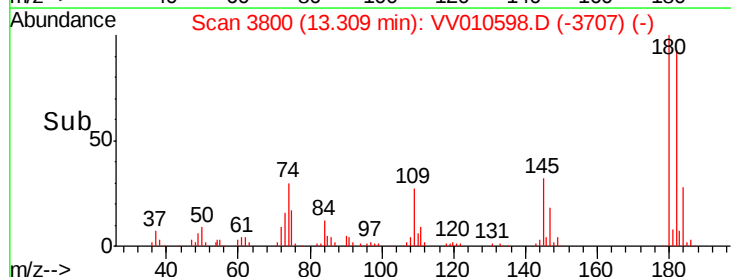
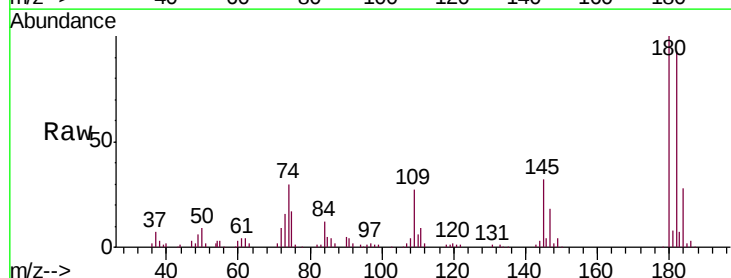
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00554

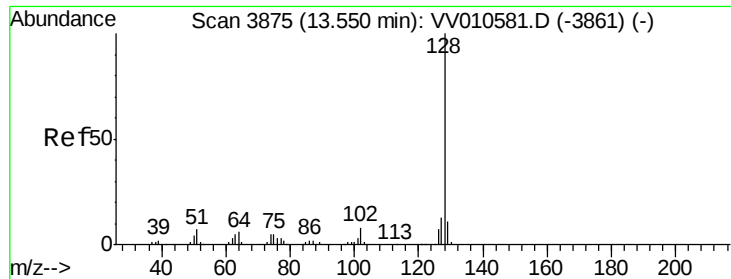
Tgt Ion:180 Resp: 112402
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.7 115.1
 184 29.6 25.2 37.8
 145 30.2 25.0 37.4



#68
 1,2,4-trichlorobenzene
 Concen: 5.423 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV010598.D
 Acq: 01 May 2019 01:54

Tgt Ion:180 Resp: 85300
 Ion Ratio Lower Upper
 180 100
 182 92.8 77.2 115.8
 145 31.5 25.9 38.9





#69

Naphthalene

Concen: 5.329 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

Instrument :

MSVOA_V

ClientSampled :

VSTD00554

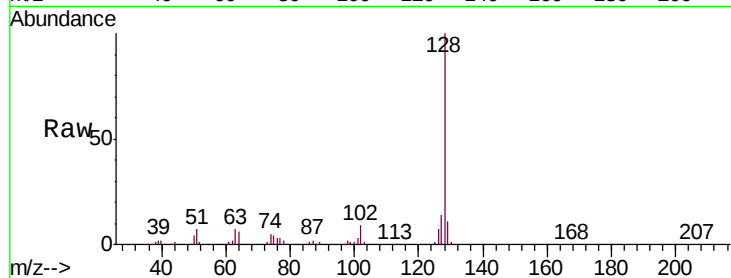
Tgt Ion:128 Resp: 134241

Ion Ratio Lower Upper

128 100

129 10.7 8.9 13.3

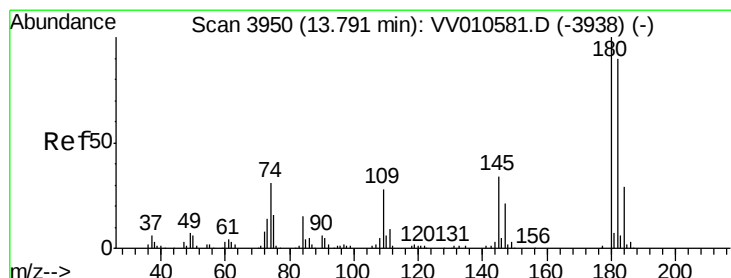
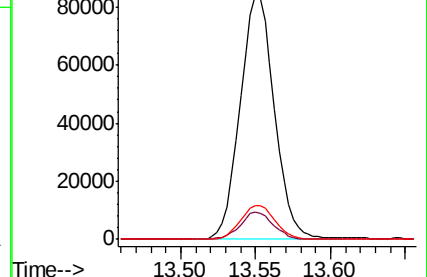
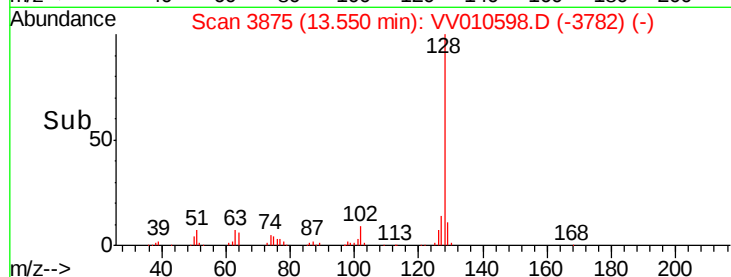
127 14.0 10.7 16.1



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: 5.589 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010598.D

Acq: 01 May 2019 01:54

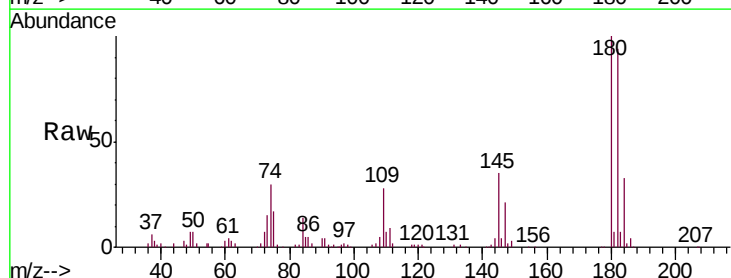
Tgt Ion:180 Resp: 80672

Ion Ratio Lower Upper

180 100

182 95.1 73.4 110.0

145 35.4 26.2 39.4



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

