

Data File : VV007685.D
Acq On : 21 Sep 2018 05:13
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

Quant Time: Sep 21 06:05:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 21 03:27:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	108096	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	101340	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56053	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	19464	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.58	69	20252	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.14	63	53641	4.55	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.00%
20) 2-Butanone-d5	3.96	46	56014	49.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.84%
24) Chloroform-d	4.41	84	50878	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.09	65	25460	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.10	84	94092	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.12	67	27724	4.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.60%
41) Toluene-d8	7.36	98	96119	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
43) trans-1,3-Dichloropropene-	7.67	79	10087	4.23	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.60%
46) 2-Hexanone-d5	8.14	63	42061	45.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.58%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23504	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	43369	4.69	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	41029	4.719	ug/L 100
3) Chloromethane	1.25	50	30605	4.537	ug/L 99
5) Vinyl chloride	1.32	62	35302	4.493	ug/L 97
6) Bromomethane	1.54	94	21208	4.020	ug/L 99
8) Chloroethane	1.60	64	24868	4.864	ug/L 100
9) Trichlorofluoromethane	1.77	101	75702	4.608	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	41152	4.605	ug/L 97
12) 1,1-Dichloroethene	2.14	96	36830	4.676	ug/L 97
13) Acetone	2.21	43	45445	41.624	ug/L 99
14) Carbon disulfide	2.32	76	90826	4.327	ug/L 100
15) Methyl Acetate	2.47	43	12283	4.563	ug/L 96
16) Methylene chloride	2.54	84	37647	4.709	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	85284	4.627	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	39658	4.584	ug/L 98
19) 1,1-Dichloroethane	3.23	63	51425	4.381	ug/L 97
21) 2-Butanone	4.05	43	62827	45.621	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	35285	4.617	ug/L 97

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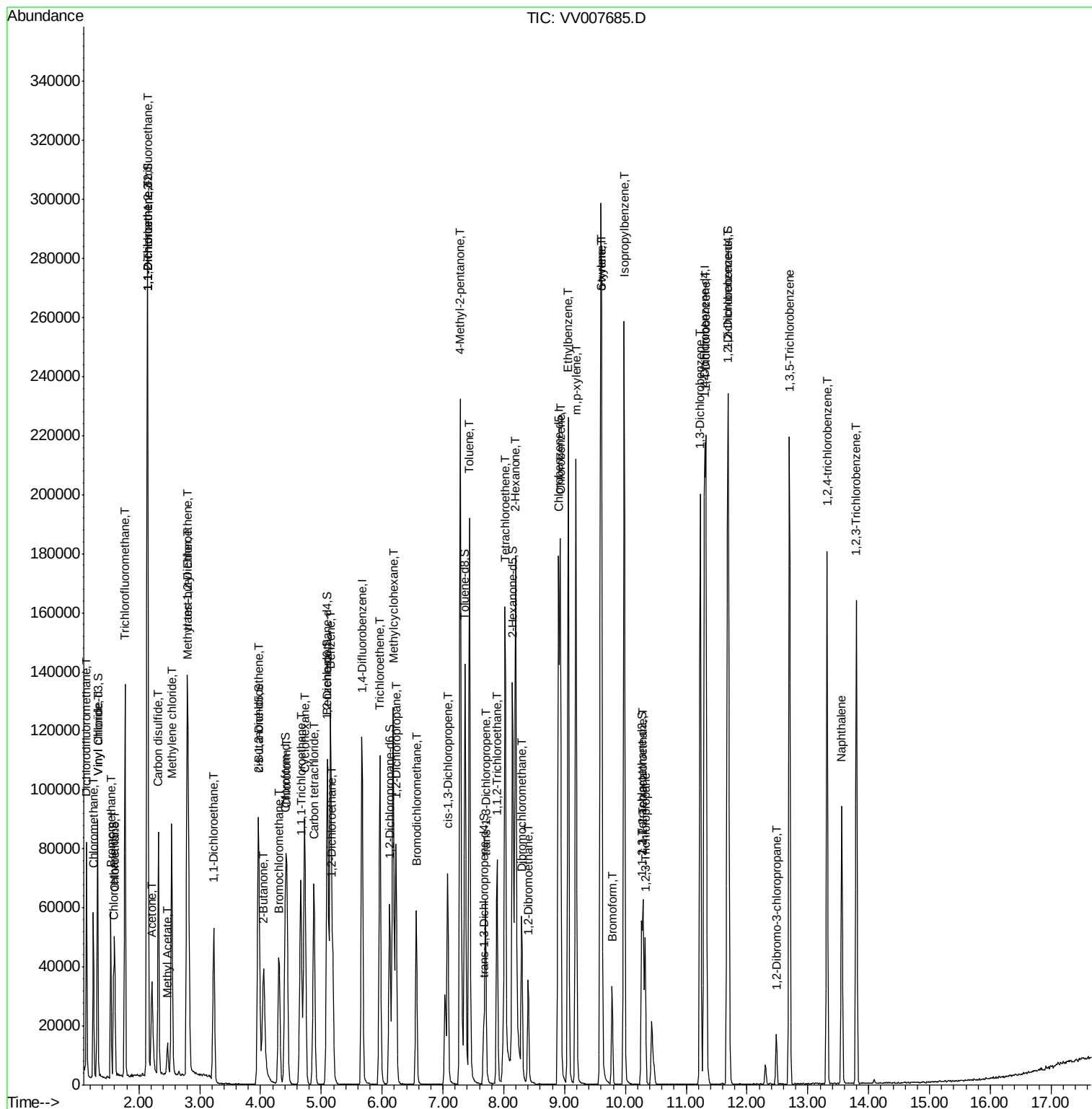
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	16611	4.776	ug/L	97
25) Chloroform	4.43	83	59548	4.751	ug/L	98
27) 1,2-Dichloroethane	5.19	62	35789	4.724	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	55469	4.610	ug/L	98
30) Cyclohexane	4.73	56	45794	4.460	ug/L	97
31) Carbon tetrachloride	4.88	117	50285	4.568	ug/L	98
33) Benzene	5.15	78	124562	4.629	ug/L	100
34) Trichloroethene	5.96	95	36437	4.602	ug/L	98
35) Methylcyclohexane	6.18	83	55493	4.540	ug/L	98
37) 1,2-Dichloropropane	6.23	63	28369	4.365	ug/L	99
38) Bromodichloromethane	6.56	83	37767	4.404	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	40958	4.355	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	160075	45.527	ug/L	100
42) Toluene	7.43	91	142273	4.642	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	32105	4.207	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	23727	4.743	ug/L	96
47) Tetrachloroethene	8.02	164	37018	4.758	ug/L	99
48) 2-Hexanone	8.19	43	113788	45.695	ug/L	97
49) Dibromochloromethane	8.30	129	27827	4.469	ug/L	97
50) 1,2-Dibromoethane	8.40	107	22406	4.725	ug/L	95
51) Chlorobenzene	8.93	112	98918	4.653	ug/L	97
52) Ethylbenzene	9.06	91	159685	4.608	ug/L	99
53) m,p-xylene	9.19	106	63253	4.644	ug/L	98
54) o-xylene	9.59	106	61214	4.567	ug/L	100
55) Styrene	9.61	104	102505	4.679	ug/L	97
56) Isopropylbenzene	9.98	105	169086	4.636	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	25850	4.528	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	18371	4.613	ug/L	100
61) Bromoform	9.78	173	15529	4.296	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	85999	4.621	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	88606	4.736	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	81978	4.683	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3505	4.402	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	73224	4.541	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	58301	4.434	ug/L	99
69) Naphthalene	13.56	128	77814	3.962	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	52823	4.363	ug/L	97

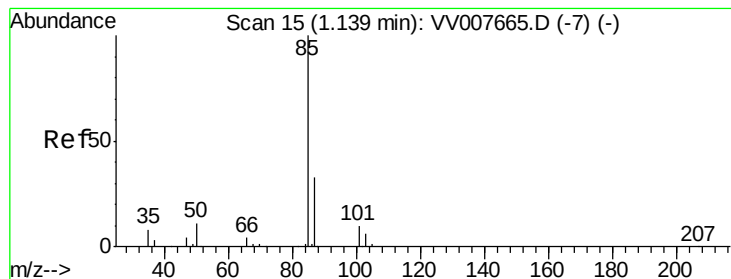
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.719 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

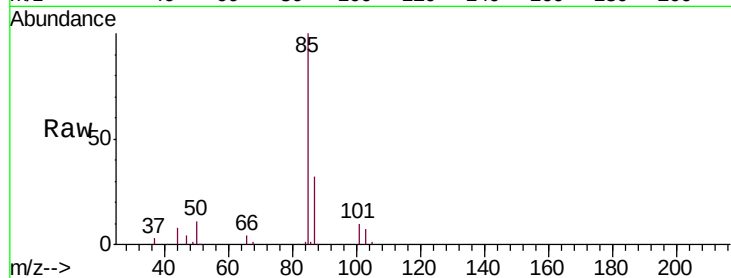
VSTD00574

Tgt Ion: 85 Resp: 41029

Ion Ratio Lower Upper

85 100

87 31.9 25.6 38.4

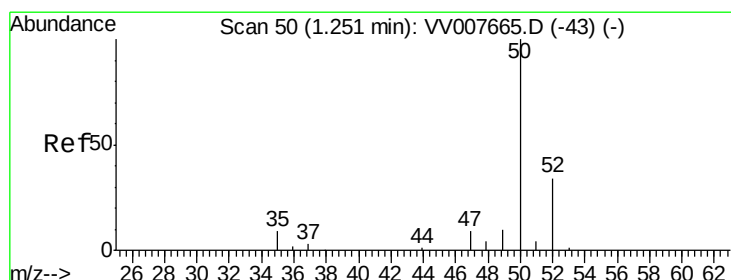
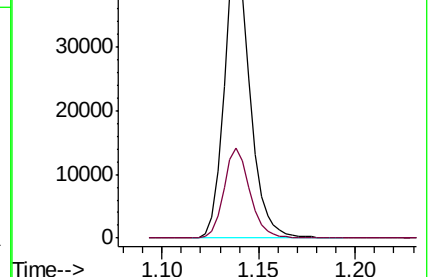
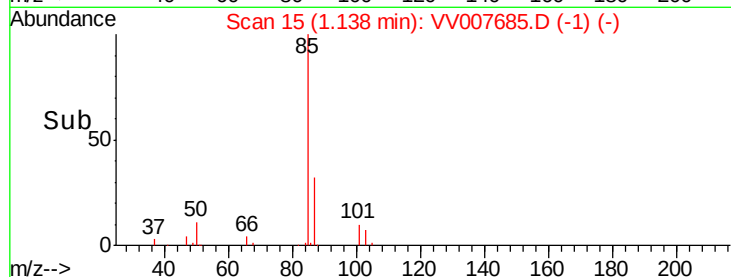


Abundance Ion 85.00 (84.70 to 85.70): VV007665.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV007665.D (-7) (-)

1.14

Time-->



#3

Chloromethane

Concen: 4.537 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV007685.D

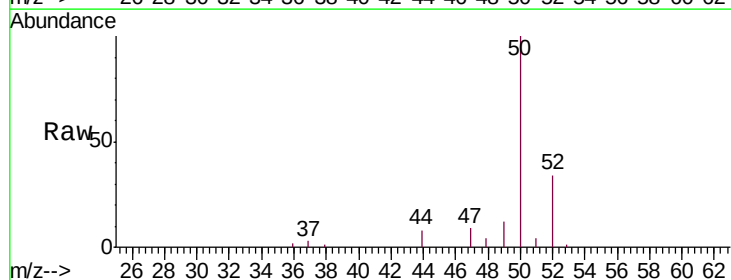
Acq: 21 Sep 2018 05:13

Tgt Ion: 50 Resp: 30605

Ion Ratio Lower Upper

50 100

52 33.8 23.2 43.2

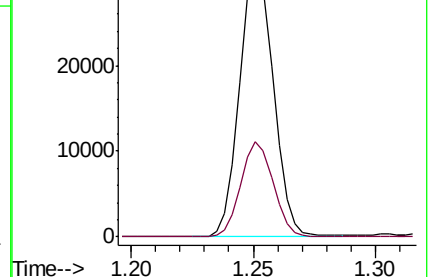
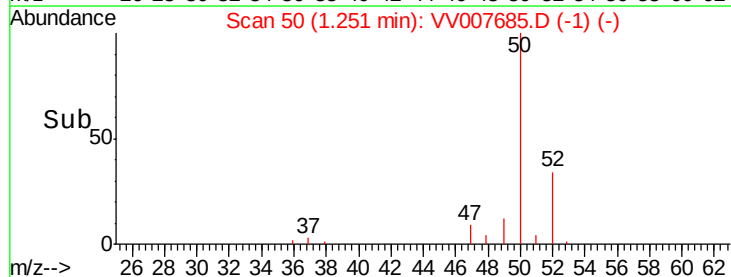


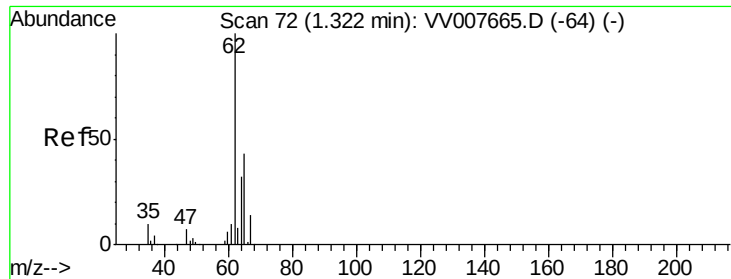
Abundance Ion 50.05 (49.75 to 50.75): VV007665.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007665.D (-43) (-)

1.25

Time-->





#5

Vinyl chloride

Concen: 4.493 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

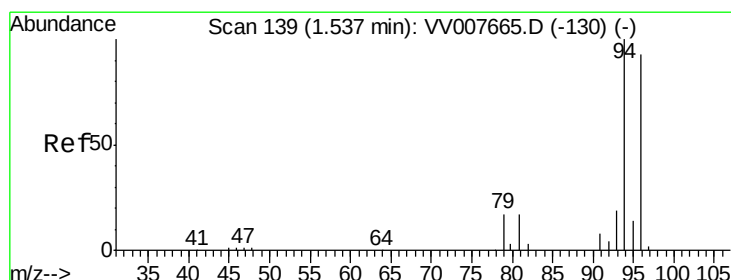
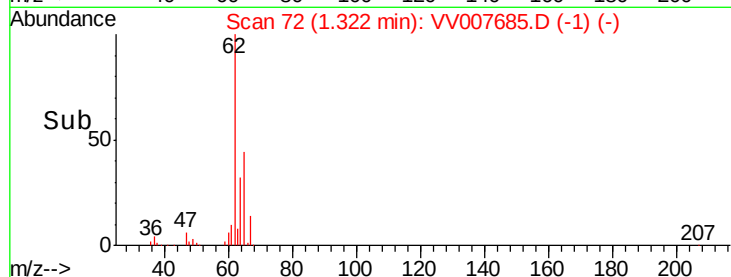
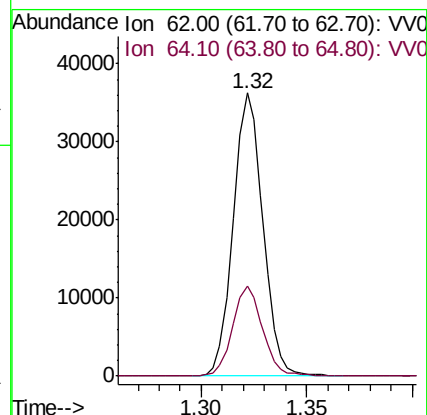
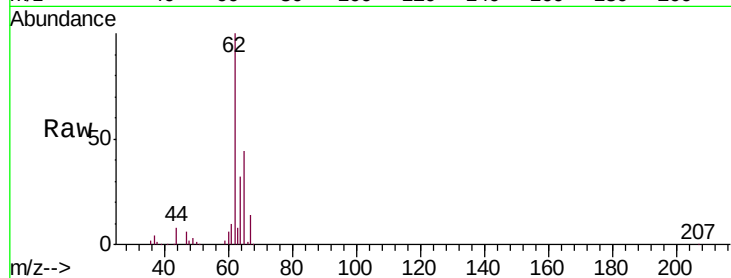
VSTD00574

Tgt Ion: 62 Resp: 35302

Ion Ratio Lower Upper

62 100

64 31.6 23.5 43.7



#6

Bromomethane

Concen: 4.020 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV007685.D

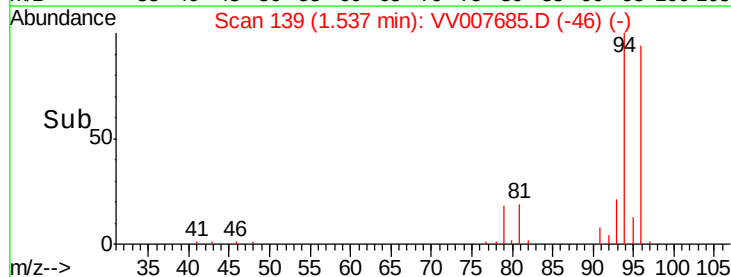
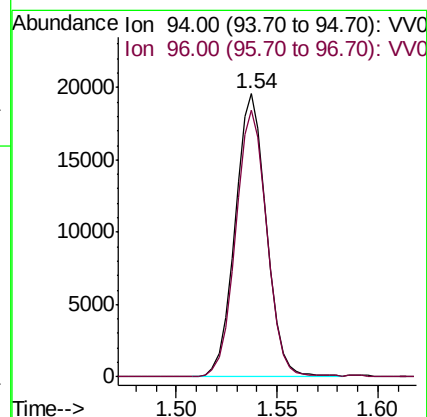
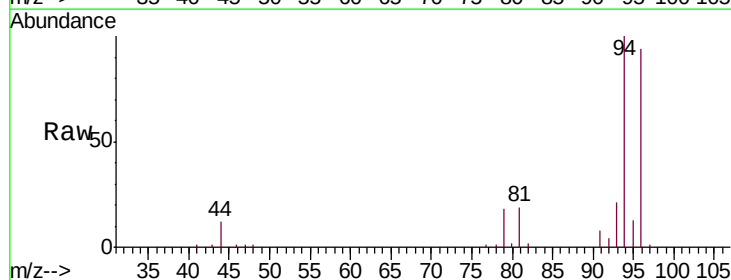
Acq: 21 Sep 2018 05:13

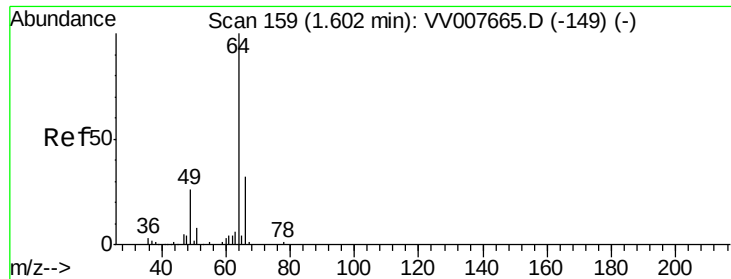
Tgt Ion: 94 Resp: 21208

Ion Ratio Lower Upper

94 100

96 94.3 65.6 121.8

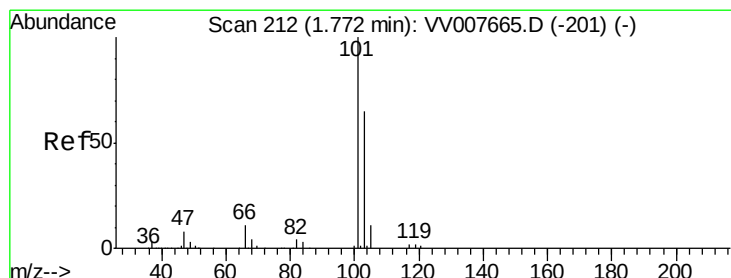
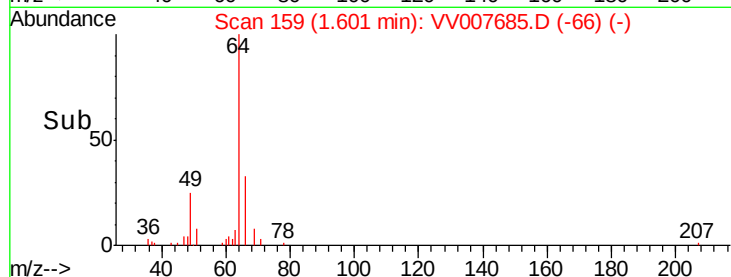
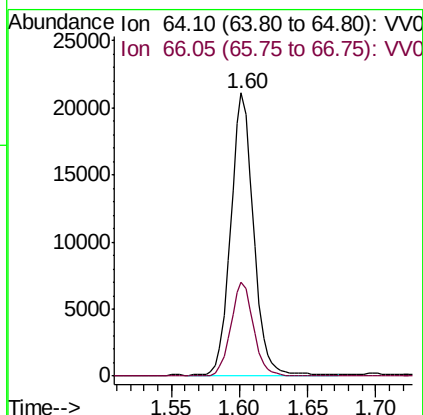
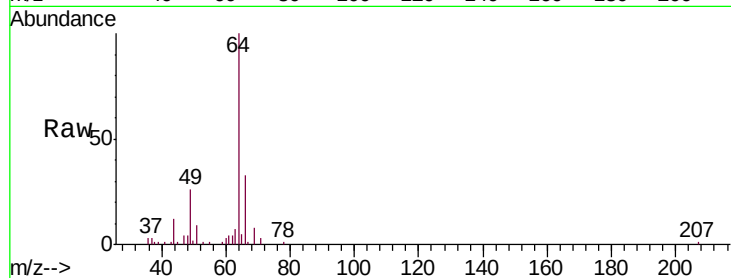




#8
Chloroethane
Concen: 4.864 ug/L
RT: 1.60 min Scan# 159
Delta R.T. -0.00 min
Lab File: VV007685.D
Acq: 21 Sep 2018 05:13

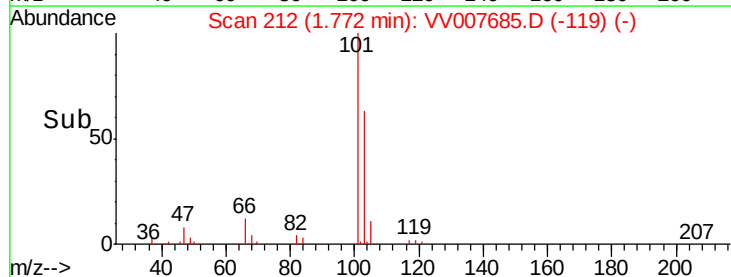
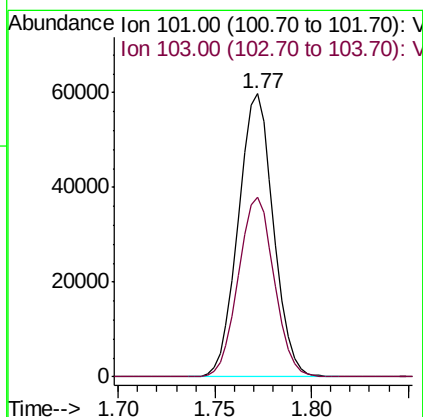
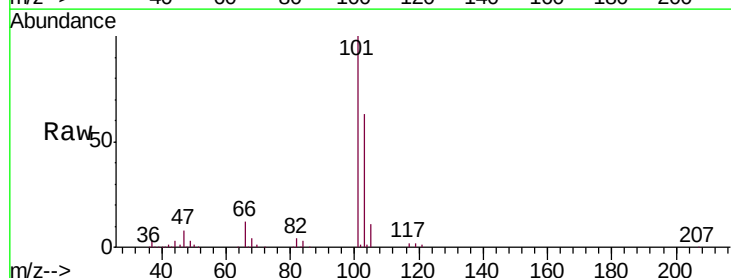
Instrument :
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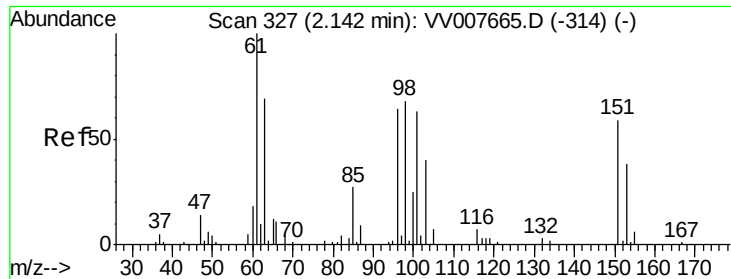
Tgt Ion: 64 Resp: 24868
Ion Ratio Lower Upper
64 100
66 33.2 23.4 43.4



#9
Trichlorofluoromethane
Concen: 4.608 ug/L
RT: 1.77 min Scan# 212
Delta R.T. -0.00 min
Lab File: VV007685.D
Acq: 21 Sep 2018 05:13

Tgt Ion: 101 Resp: 75702
Ion Ratio Lower Upper
101 100
103 64.7 51.9 77.9





#10

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

Concen: 4.605 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

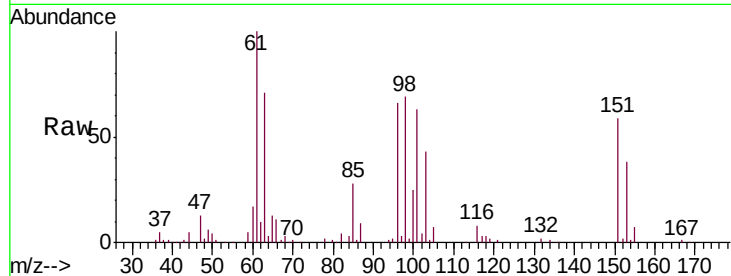
Tgt Ion: 101 Resp: 41152

Ion Ratio Lower Upper

101 100

85 43.2 32.6 48.8

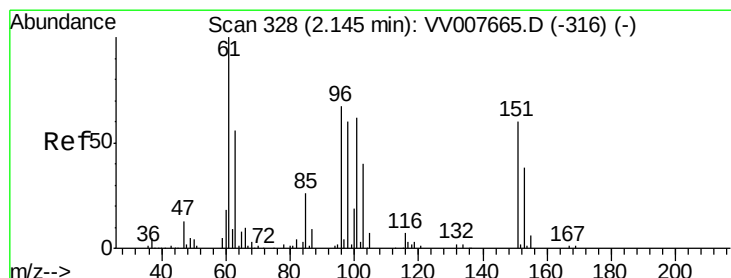
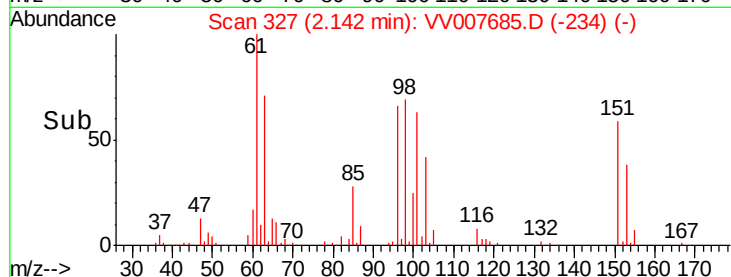
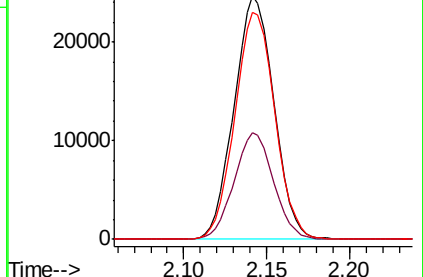
151 93.6 72.8 109.2



Abundance Ion 101.00 (100.70 to 101.70): VV007685.D (-234) (-)

Ion 85.00 (84.70 to 85.70): VV007685.D (-234) (-)

Ion 151.00 (150.70 to 151.70): VV007685.D (-234) (-)



#12

1,1-Dichloroethene

Concen: 4.676 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

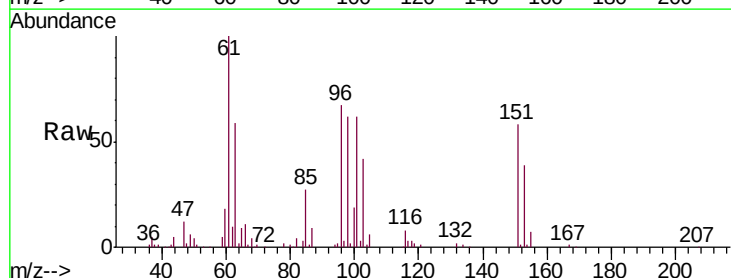
Tgt Ion: 96 Resp: 36830

Ion Ratio Lower Upper

96 100

61 149.7 104.3 193.7

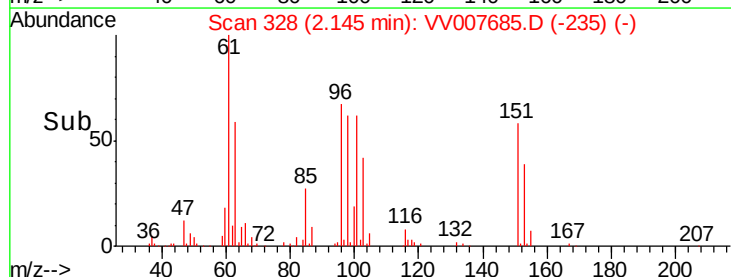
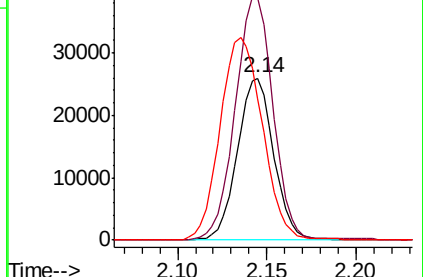
63 87.7 65.2 121.2

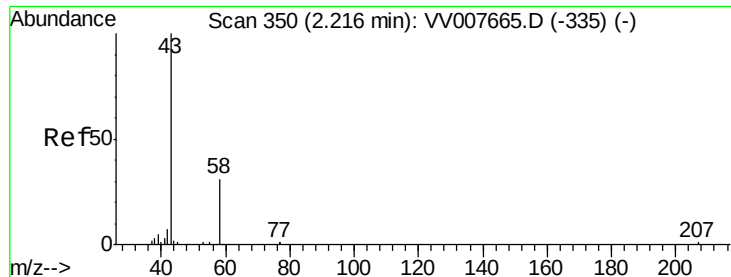


Abundance Ion 96.00 (95.70 to 96.70): VV007685.D (-235) (-)

Ion 61.05 (60.75 to 61.75): VV007685.D (-235) (-)

Ion 63.00 (62.70 to 63.70): VV007685.D (-235) (-)





#13

Acetone

Concen: 41.624 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

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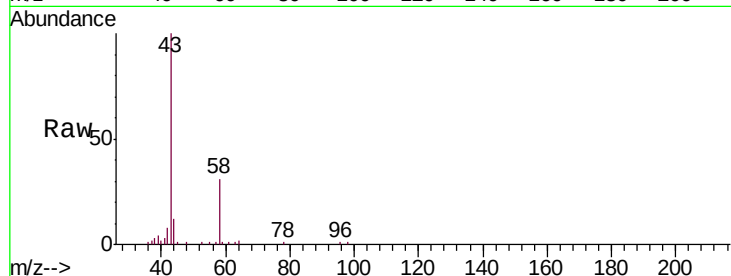
VSTD00574

Tgt Ion: 43 Resp: 45445

Ion Ratio Lower Upper

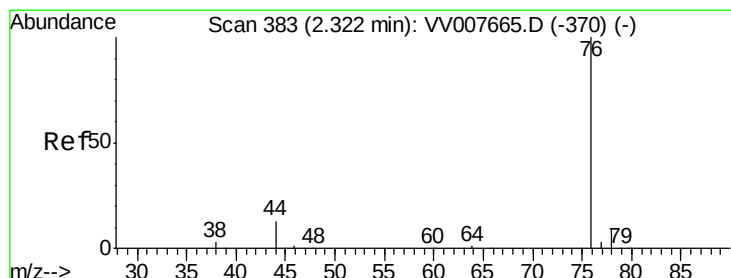
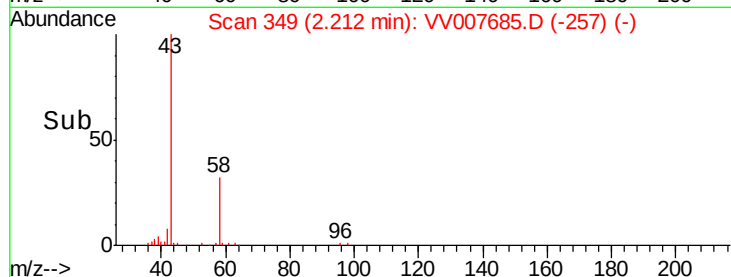
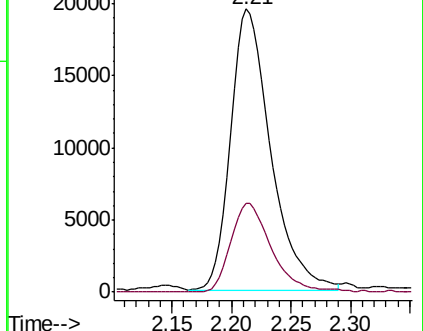
43 100

58 32.2 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VV007665.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV007665.D (-335) (-)



#14

Carbon disulfide

Concen: 4.327 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007685.D

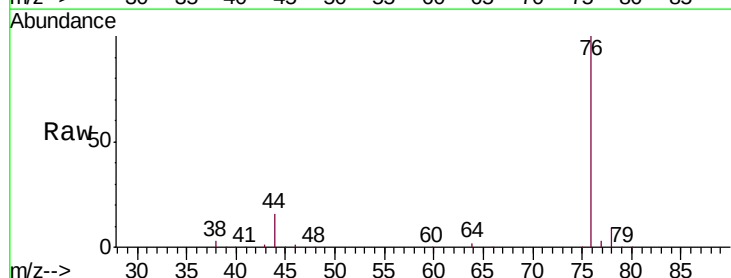
Acq: 21 Sep 2018 05:13

Tgt Ion: 76 Resp: 90826

Ion Ratio Lower Upper

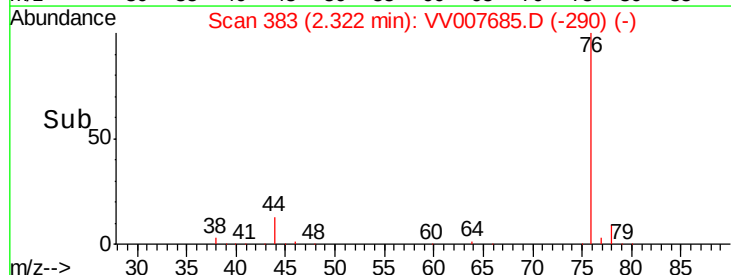
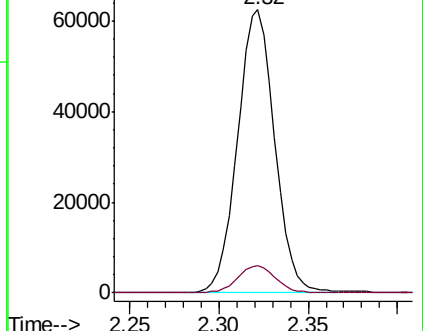
76 100

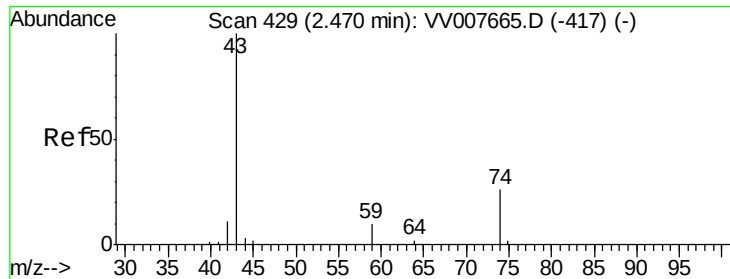
78 9.5 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV007665.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV007665.D (-370) (-)

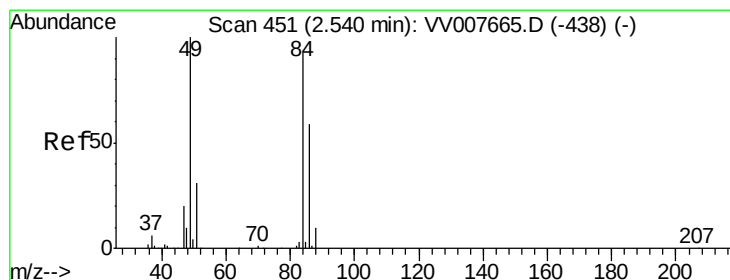
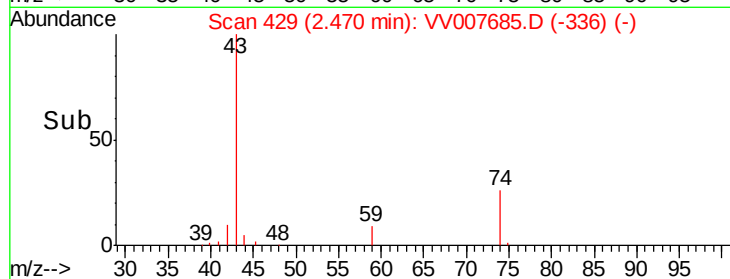
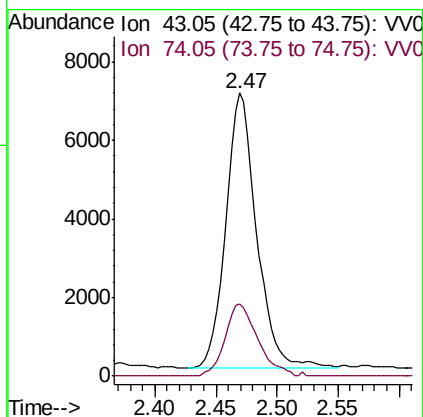
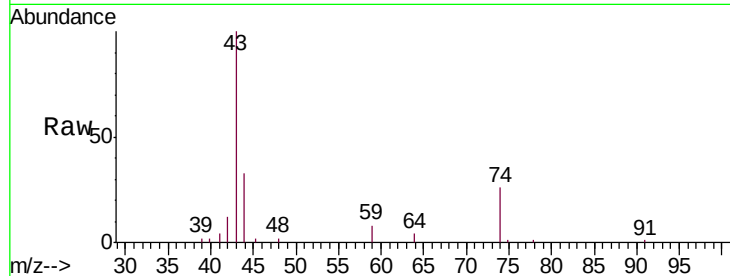




#15
Methyl Acetate
Concen: 4.563 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV007685.D
Acq: 21 Sep 2018 05:13

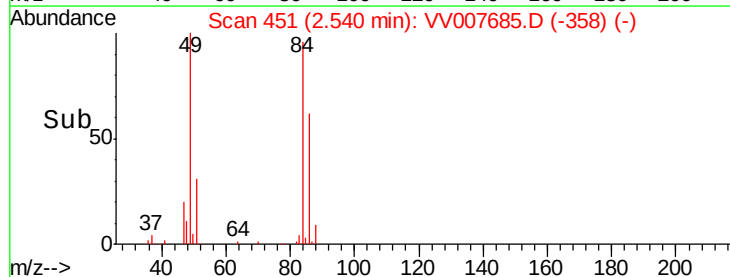
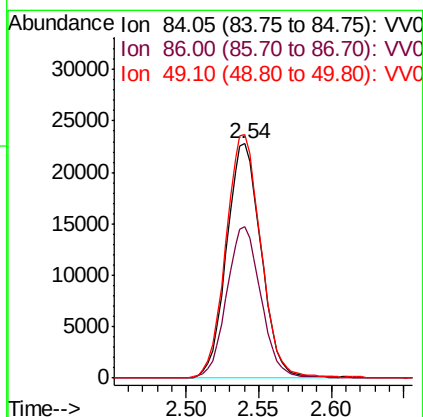
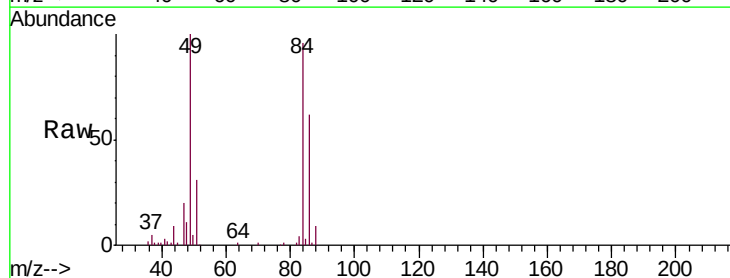
Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

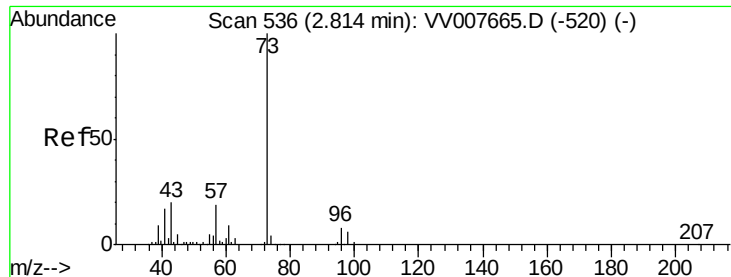
Tgt Ion: 43 Resp: 12283
Ion Ratio Lower Upper
43 100
74 27.9 20.6 30.8



#16
Methylene chloride
Concen: 4.709 ug/L
RT: 2.54 min Scan# 451
Delta R.T. -0.00 min
Lab File: VV007685.D
Acq: 21 Sep 2018 05:13

Tgt Ion: 84 Resp: 37647
Ion Ratio Lower Upper
84 100
86 64.4 46.1 85.5
49 103.9 75.5 140.1





#17

Methyl tert-butyl Ether

Concen: 4.627 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

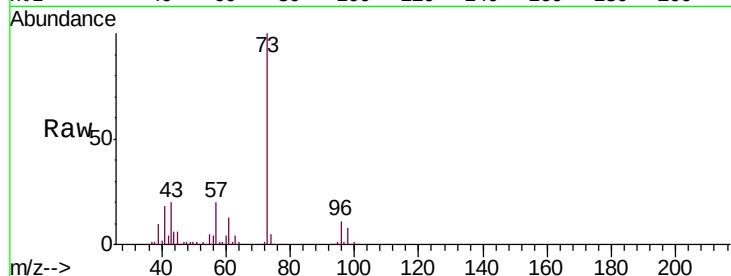
Tgt Ion: 73 Resp: 85284

Ion Ratio Lower Upper

73 100

43 19.4 15.7 23.5

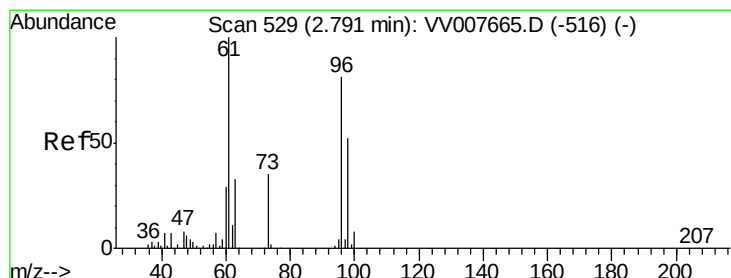
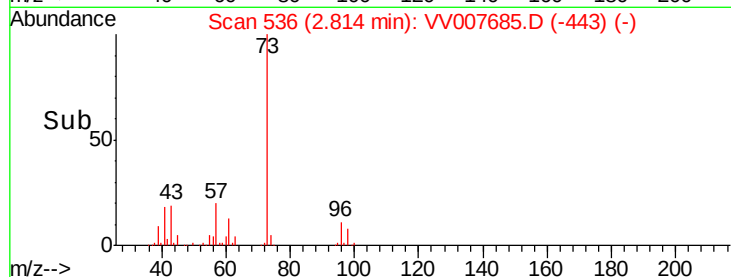
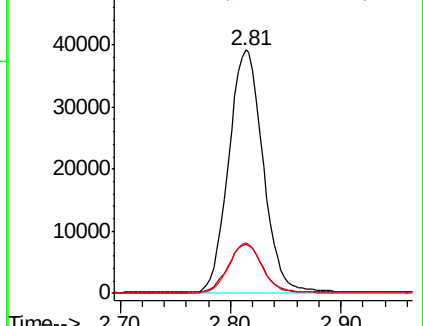
57 20.2 15.8 23.8



Abundance Ion 73.10 (72.80 to 73.80): VV007665.D (-520) (-)

Ion 43.05 (42.75 to 43.75): VV007665.D (-520) (-)

Ion 57.10 (56.80 to 57.80): VV007665.D (-520) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.584 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

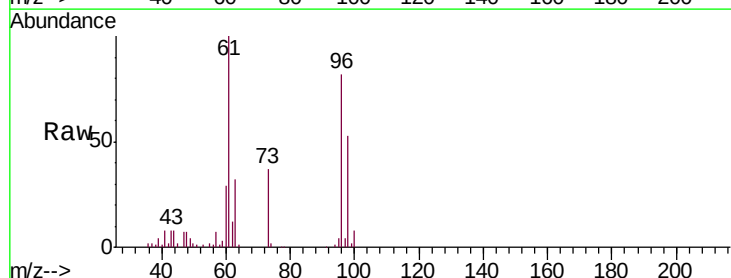
Tgt Ion: 96 Resp: 39658

Ion Ratio Lower Upper

96 100

61 122.0 84.4 156.7

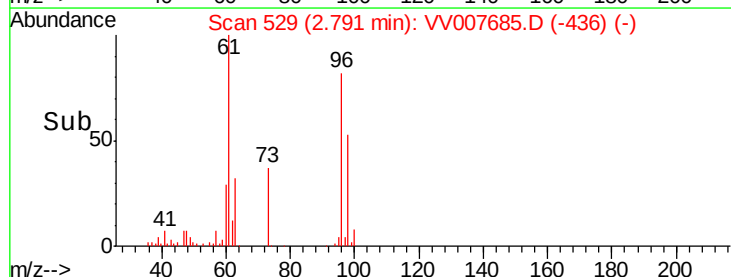
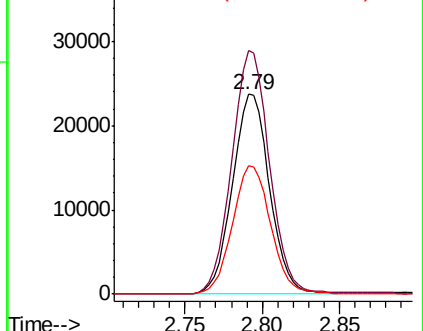
98 64.4 43.0 80.0

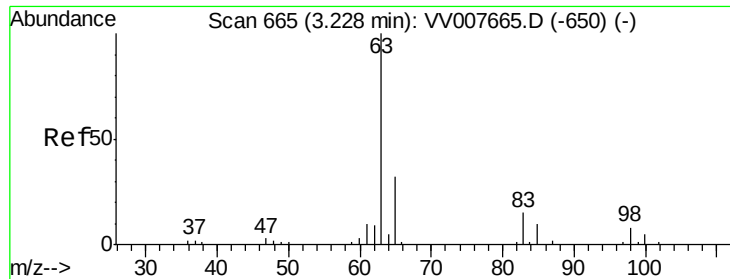


Abundance Ion 96.00 (95.70 to 96.70): VV007665.D (-516) (-)

Ion 61.05 (60.75 to 61.75): VV007665.D (-516) (-)

Ion 97.95 (97.65 to 98.65): VV007665.D (-516) (-)

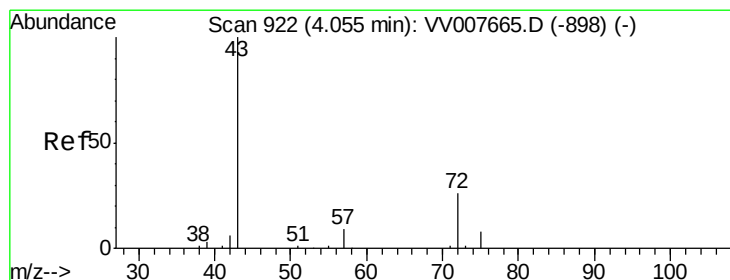
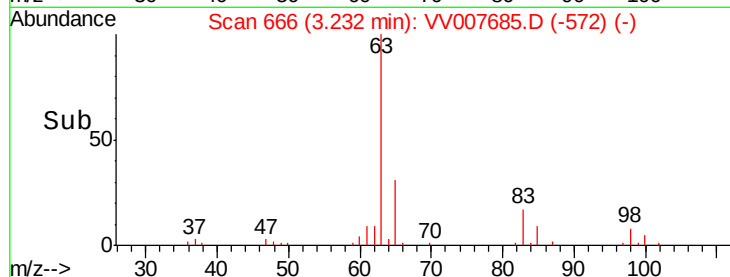
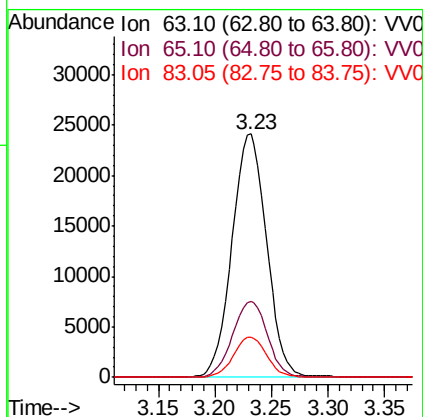
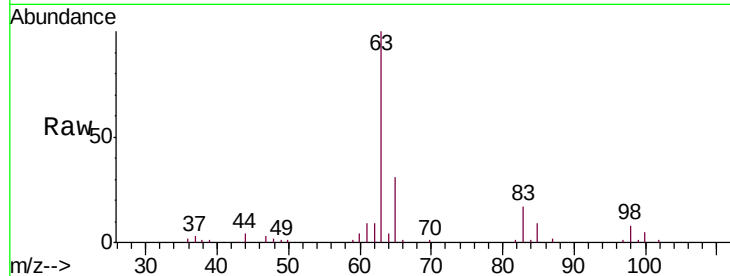




#19
 1,1-Dichloroethane
 Concen: 4.381 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

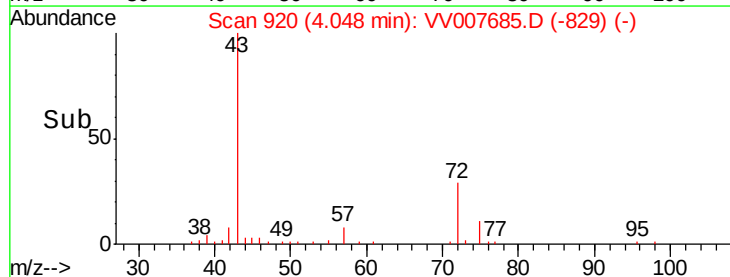
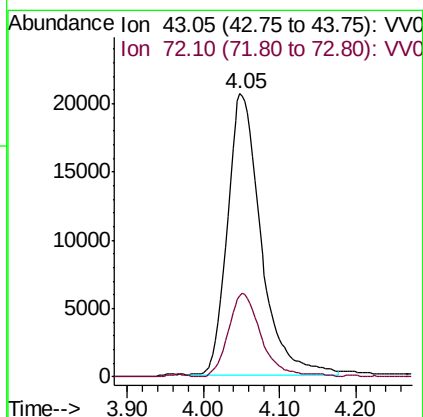
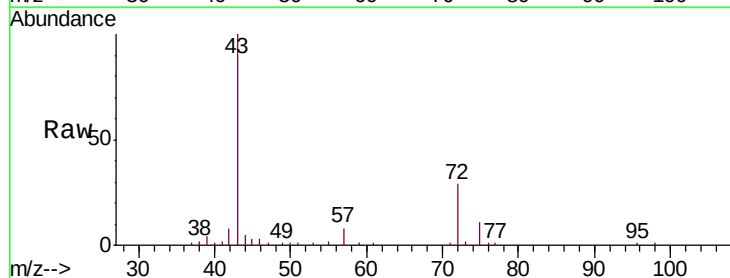
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

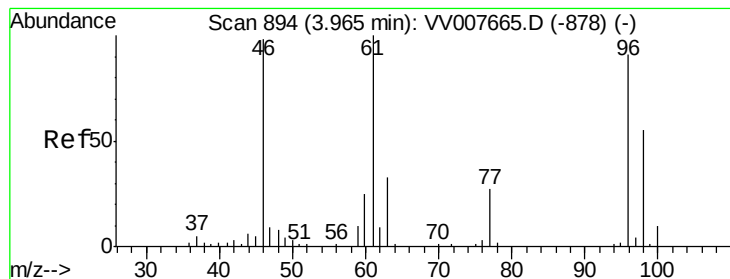
Tgt Ion: 63 Resp: 51425
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.6 42.0
 83 16.6 10.4 19.4



#21
 2-Butanone
 Concen: 45.621 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

Tgt Ion: 43 Resp: 62827
 Ion Ratio Lower Upper
 43 100
 72 29.1 14.8 44.4



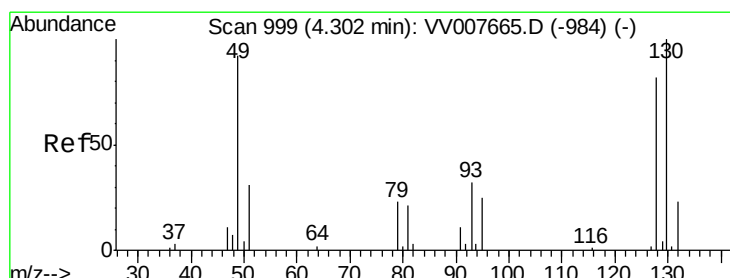
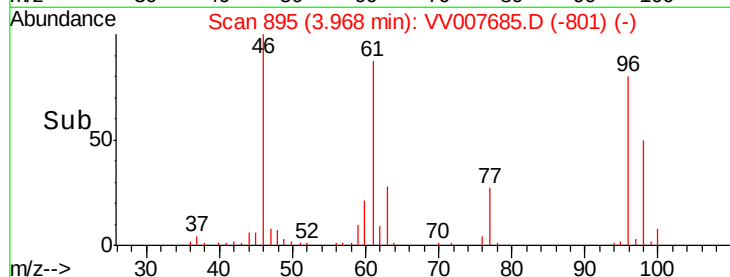
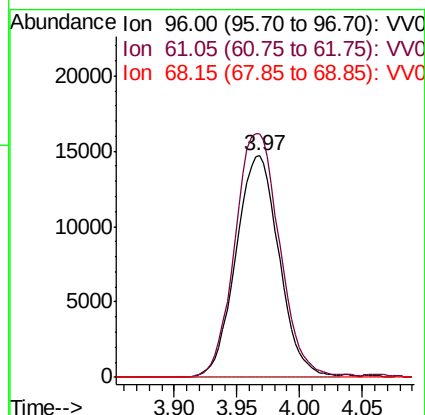
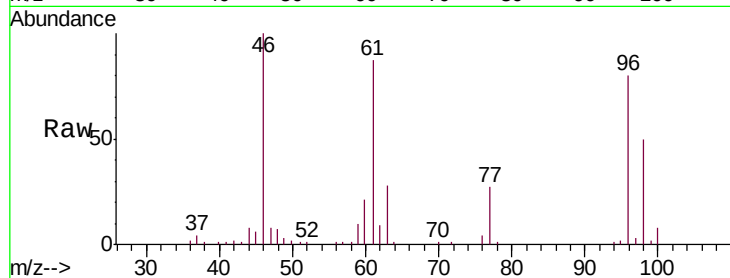


#22

cis-1,2-Dichloroethene
 Concen: 4.617 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

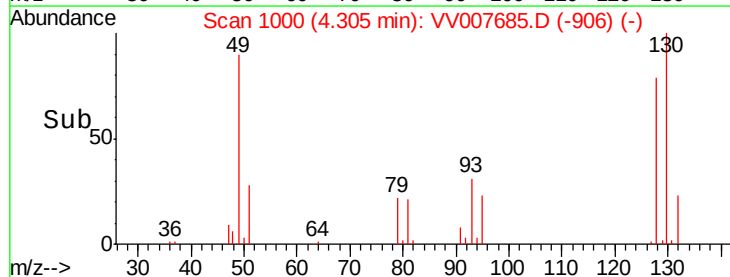
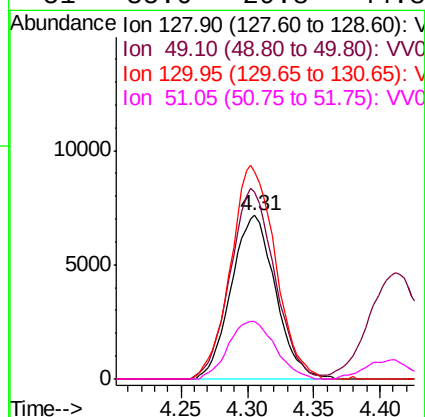
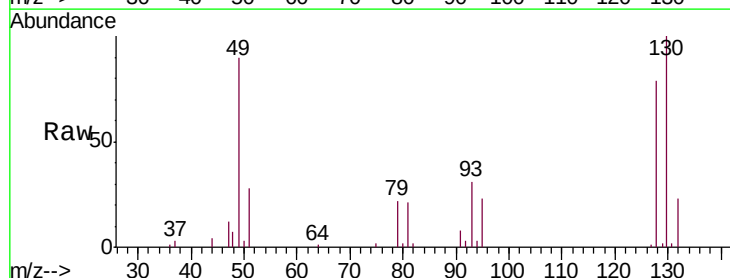
Tgt Ion: 96 Resp: 35285
 Ion Ratio Lower Upper
 96 100
 61 109.6 79.0 146.8
 68 0.0 0.0 0.0

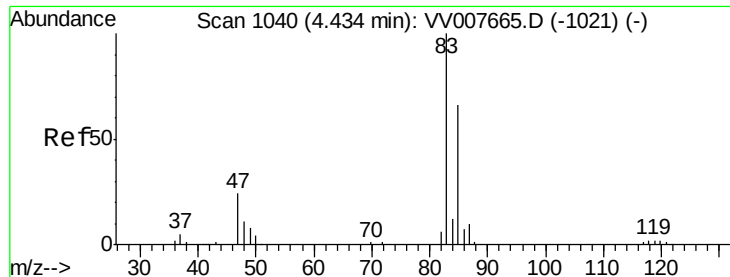


#23

Bromochloromethane
 Concen: 4.776 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

Tgt Ion: 128 Resp: 16611
 Ion Ratio Lower Upper
 128 100
 49 114.4 81.7 151.7
 130 126.9 86.8 161.2
 51 35.0 29.8 44.8

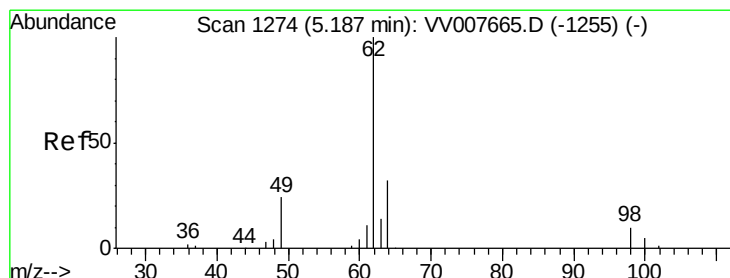
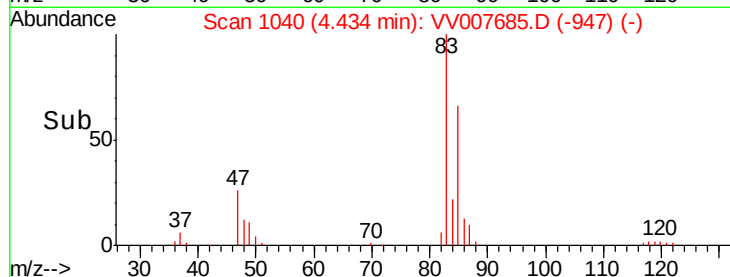
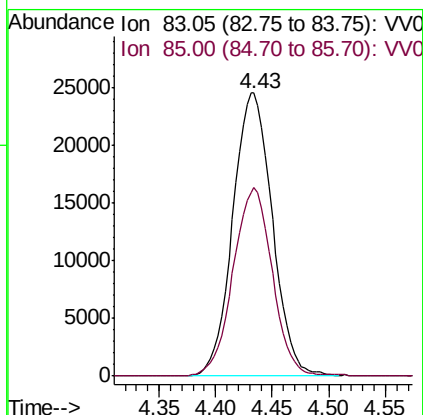
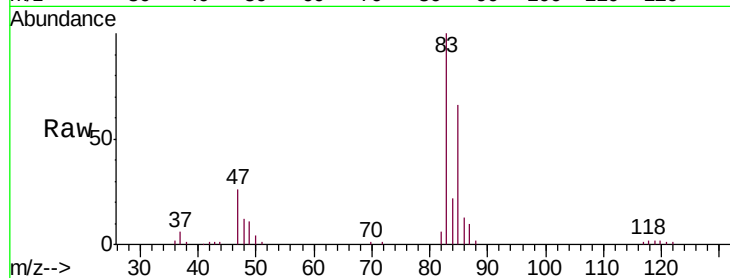




#25
Chloroform
Concen: 4.751 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV007685.D
Acq: 21 Sep 2018 05:13

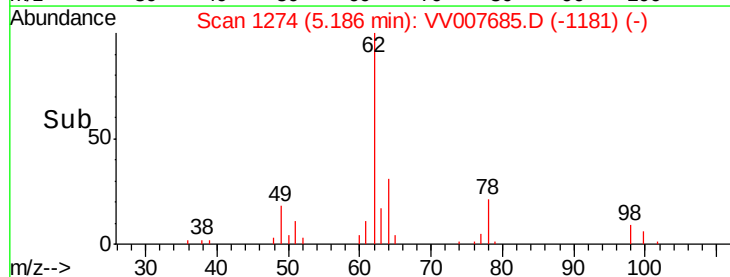
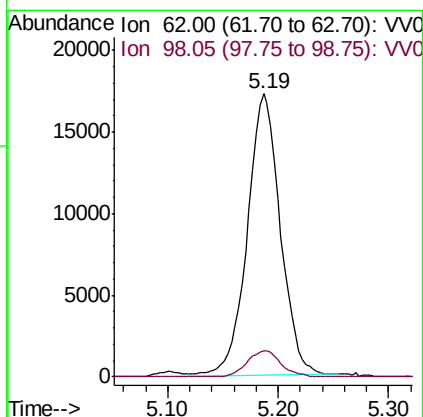
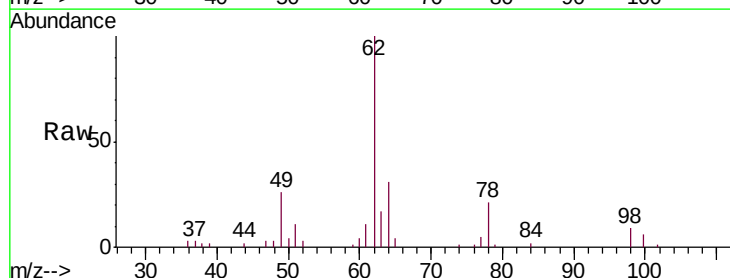
Instrument :
MSVOA_V
ClientSampled :
VSTD00574

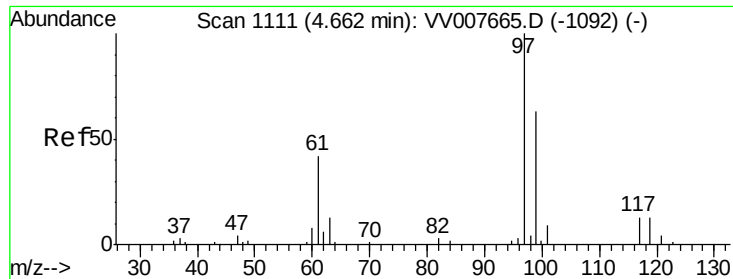
Tgt Ion: 83 Resp: 59548
Ion Ratio Lower Upper
83 100
85 66.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.724 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. -0.00 min
Lab File: VV007685.D
Acq: 21 Sep 2018 05:13

Tgt Ion: 62 Resp: 35789
Ion Ratio Lower Upper
62 100
98 9.1 7.5 11.3

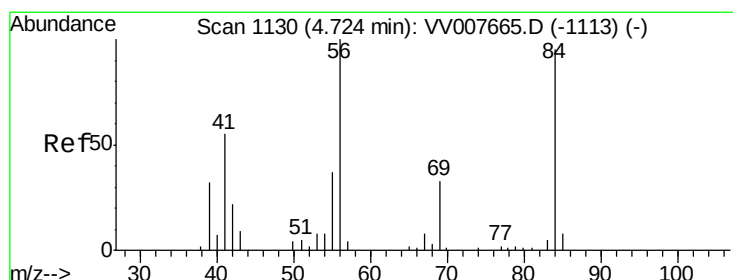
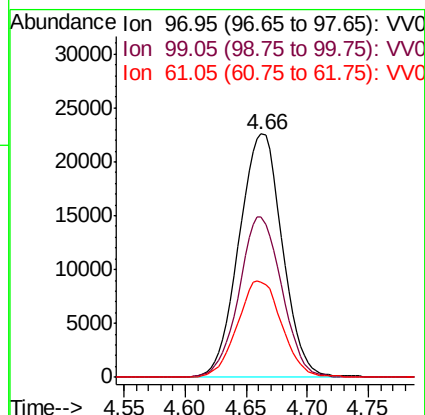
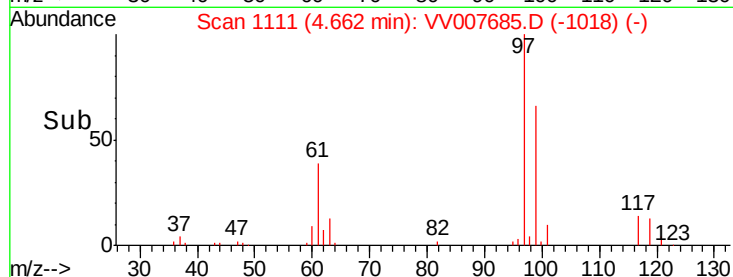
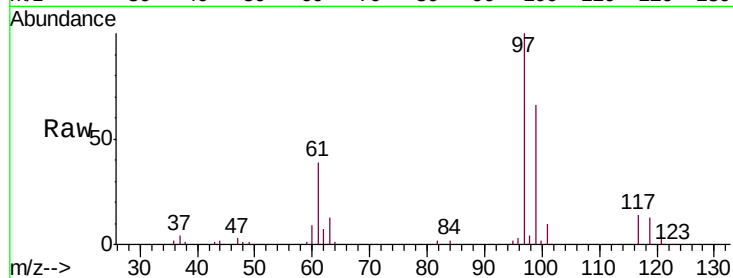




#29
 1,1,1-Trichloroethane
 Concen: 4.610 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

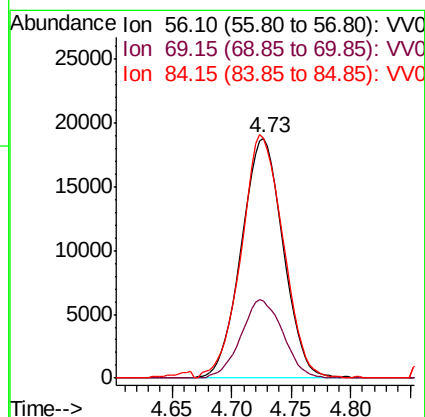
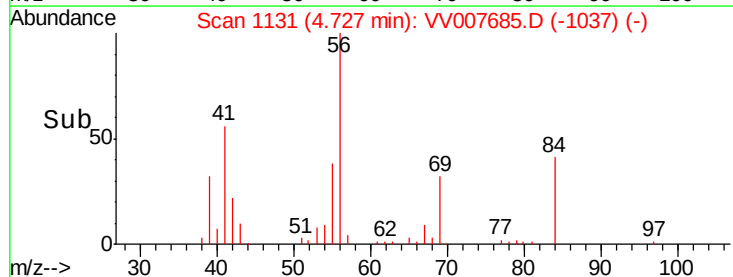
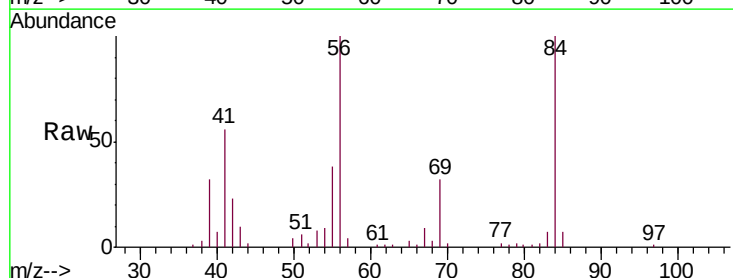
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

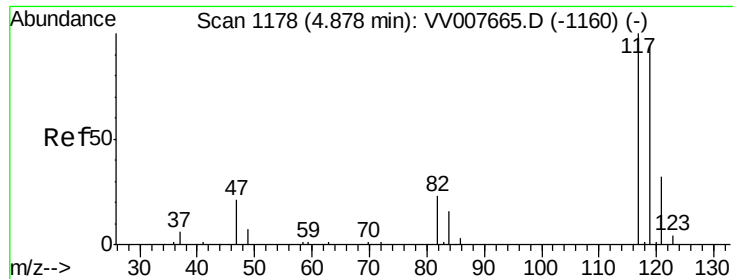
Tgt Ion: 97 Resp: 55469
 Ion Ratio Lower Upper
 97 100
 99 65.2 50.6 76.0
 61 40.6 32.8 49.2



#30
 Cyclohexane
 Concen: 4.460 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

Tgt Ion: 56 Resp: 45794
 Ion Ratio Lower Upper
 56 100
 69 32.8 26.9 40.3
 84 101.7 78.9 118.3





#31

Carbon tetrachloride

Concen: 4.568 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

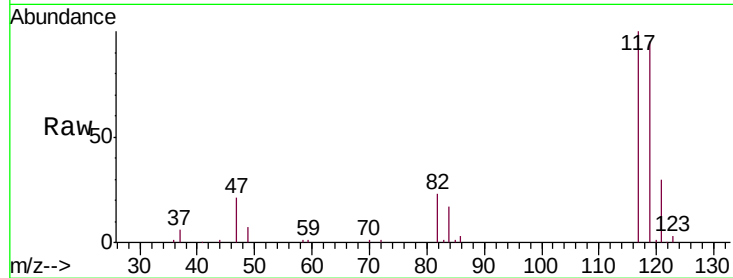
VSTD00574

Tgt Ion:117 Resp: 50285

Ion Ratio Lower Upper

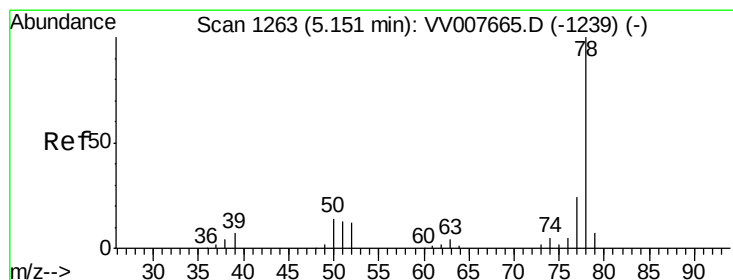
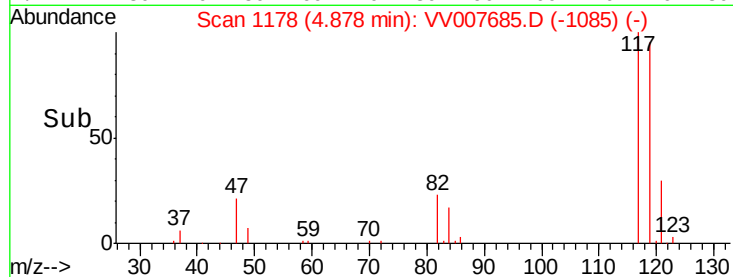
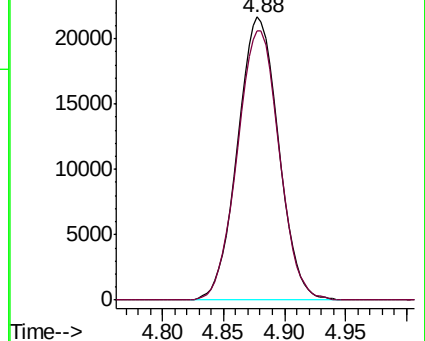
117 100

119 97.1 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.629 ug/L

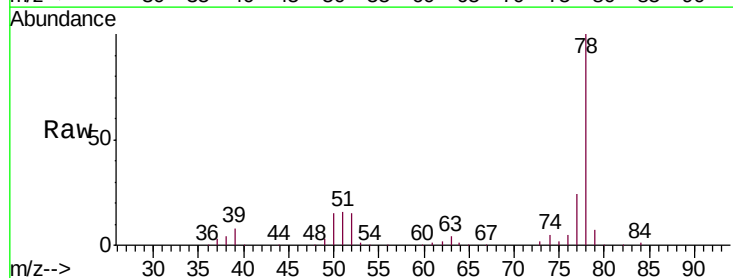
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

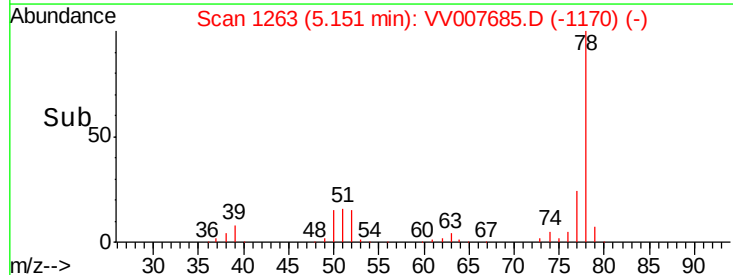
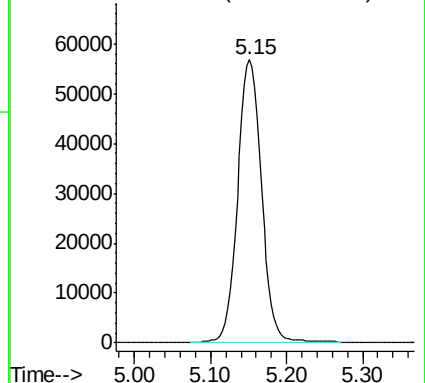
Lab File: VV007685.D

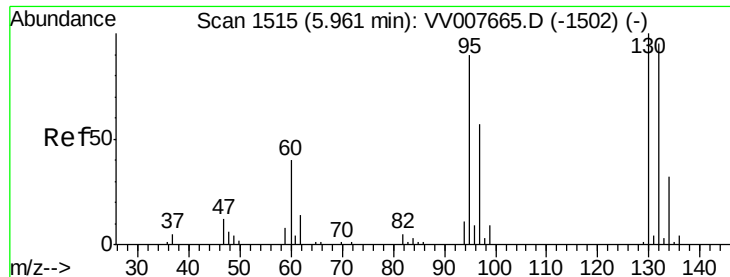
Acq: 21 Sep 2018 05:13

Tgt Ion: 78 Resp: 124562



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.602 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

Tgt Ion: 95 Resp: 36437

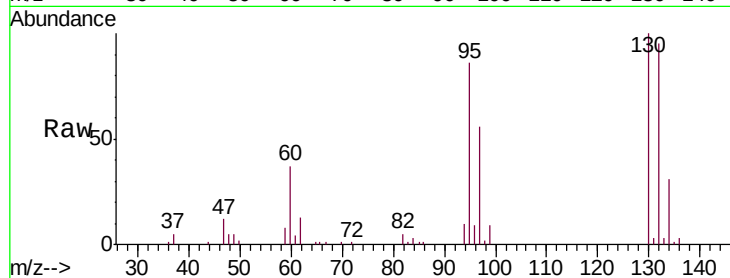
Ion Ratio Lower Upper

95 100

97 65.0 45.1 83.9

132 110.6 78.2 145.2

130 116.5 78.8 146.3

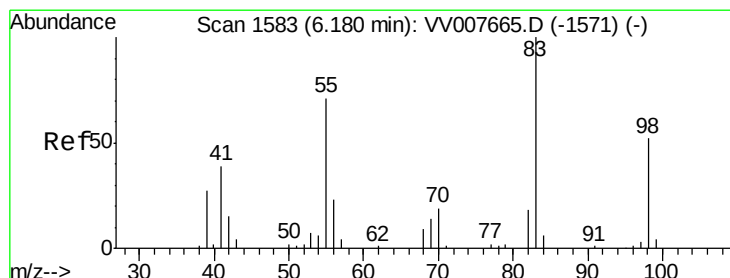
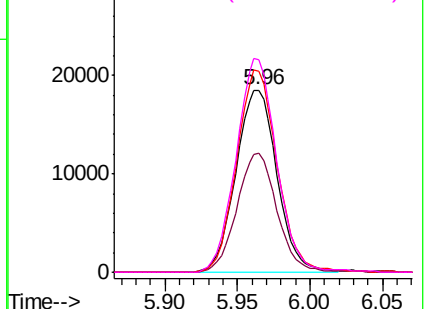
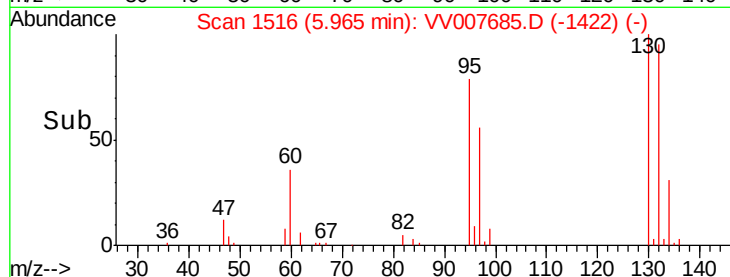


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.540 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

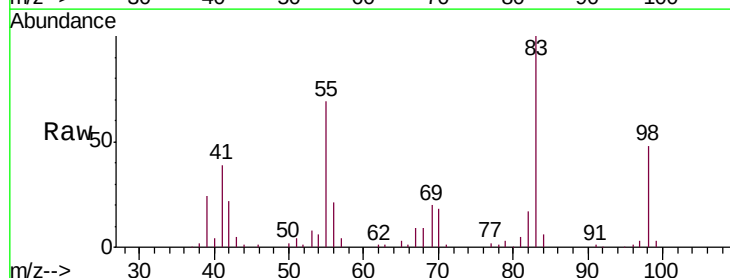
Tgt Ion: 83 Resp: 55493

Ion Ratio Lower Upper

83 100

55 67.5 54.8 82.2

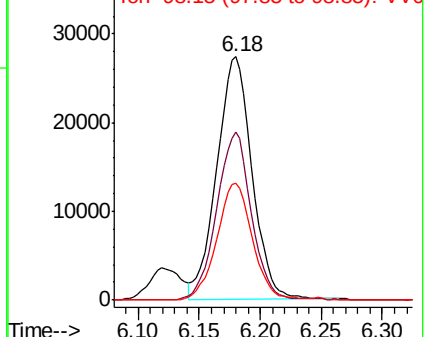
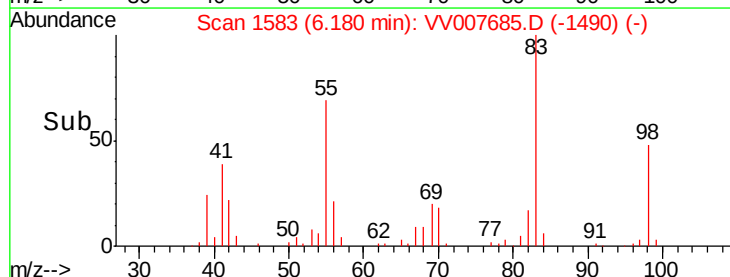
98 48.6 40.7 61.1

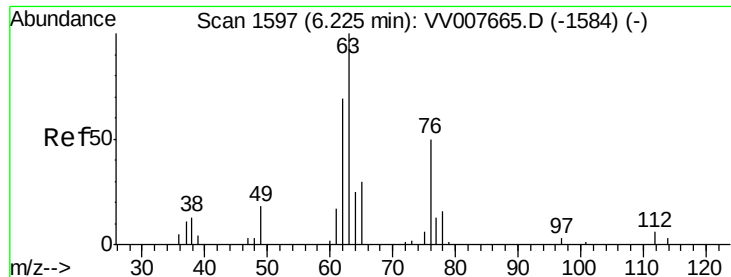


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

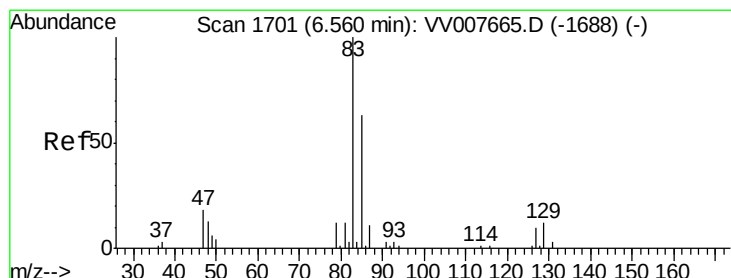
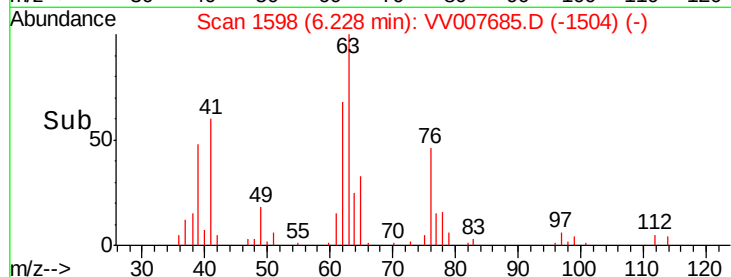
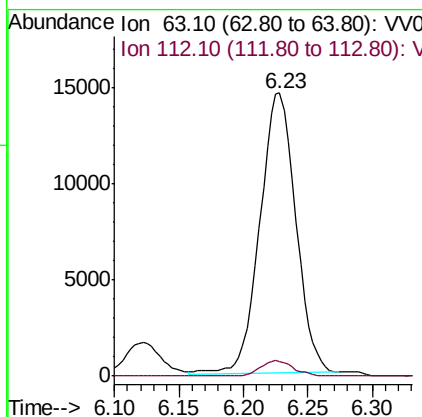
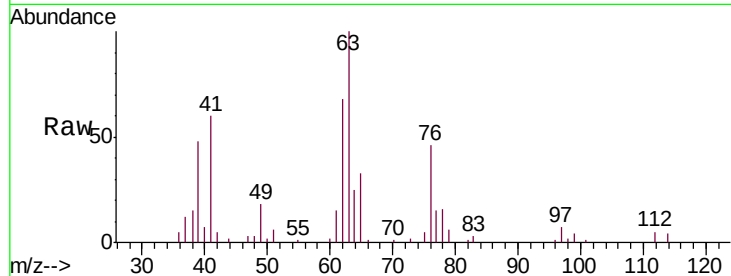




#37
 1,2-Dichloropropane
 Concen: 4.365 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

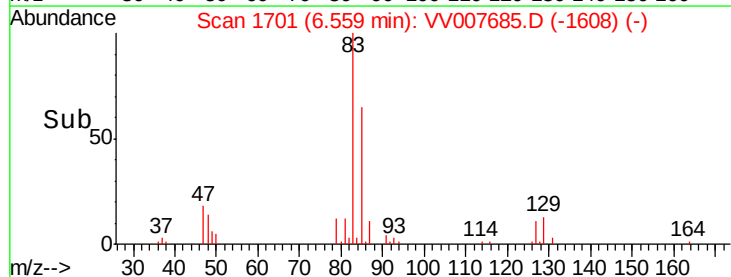
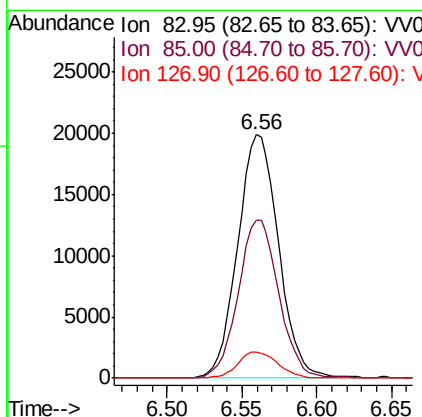
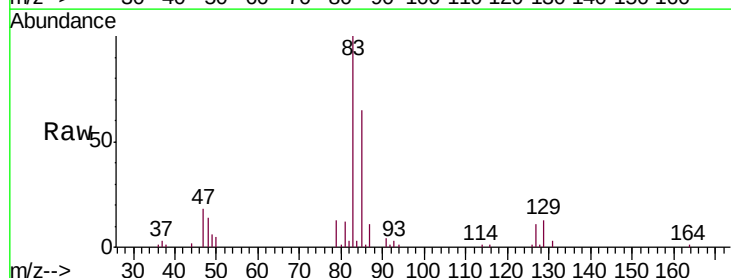
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

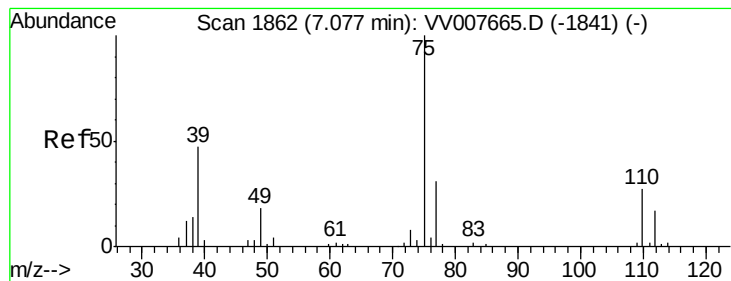
Tgt Ion: 63 Resp: 28369
 Ion Ratio Lower Upper
 63 100
 112 5.1 3.9 5.9



#38
 Bromodichloromethane
 Concen: 4.404 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

Tgt Ion: 83 Resp: 37767
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.5 82.7
 127 10.6 7.9 11.9



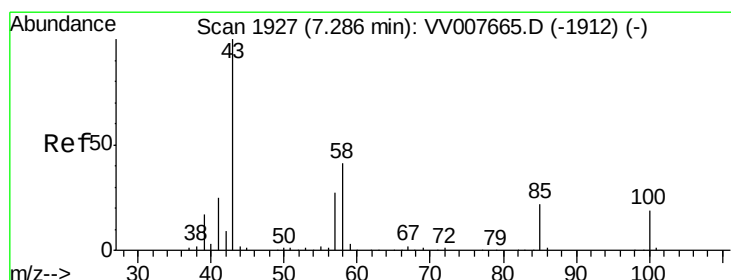
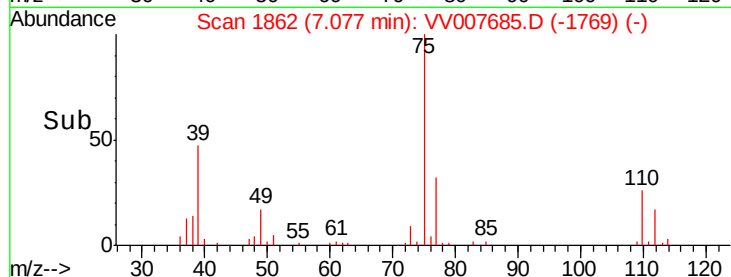
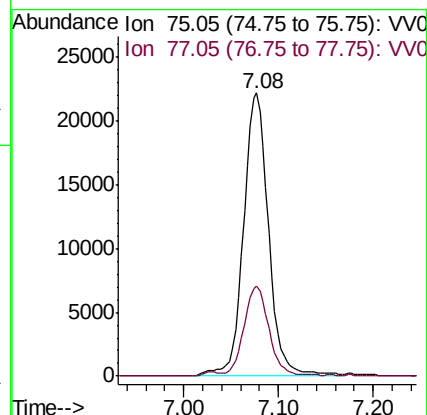
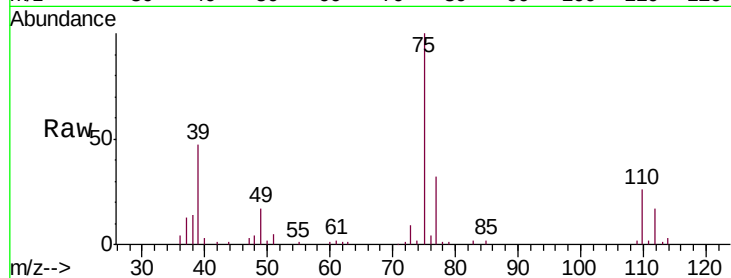


#39

cis-1,3-Dichloropropene
 Concen: 4.355 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

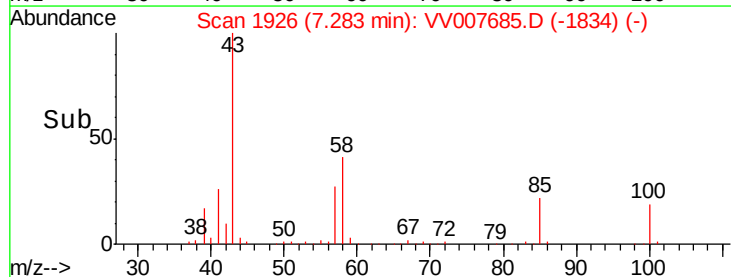
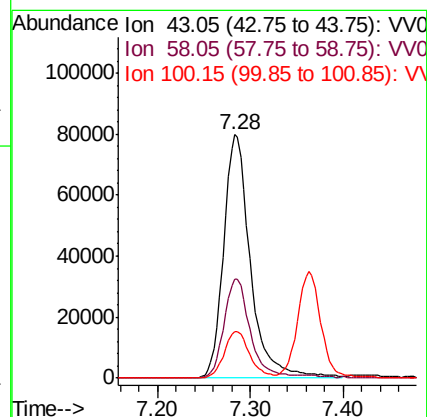
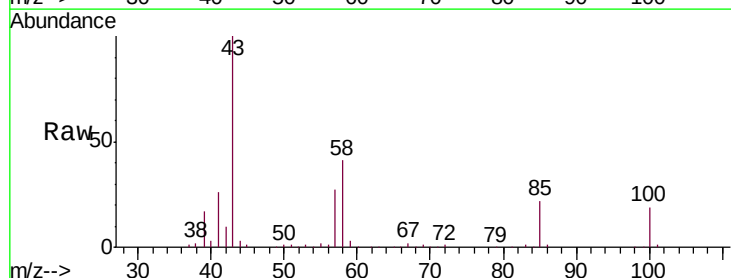
Tgt Ion: 75 Resp: 40958
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.7 42.3

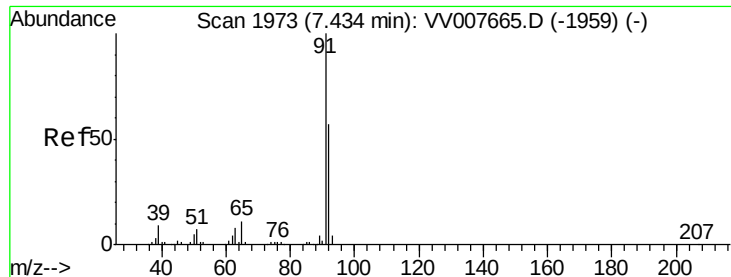


#40

4-Methyl-2-pentanone
 Concen: 45.527 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

Tgt Ion: 43 Resp: 160075
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.4 48.6
 100 18.2 14.6 21.8





#42

Toluene

Concen: 4.642 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

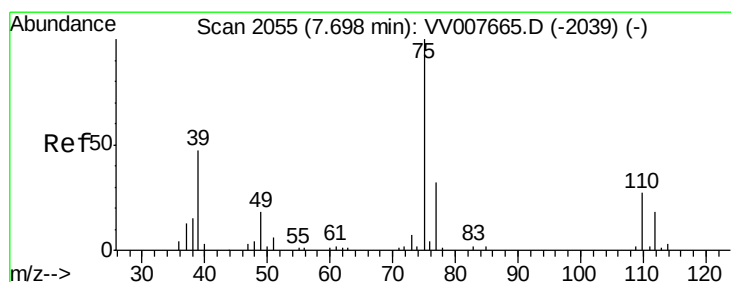
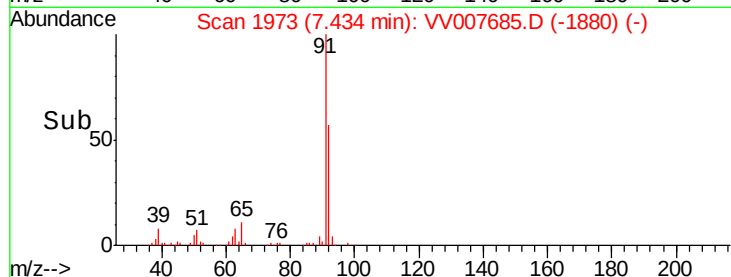
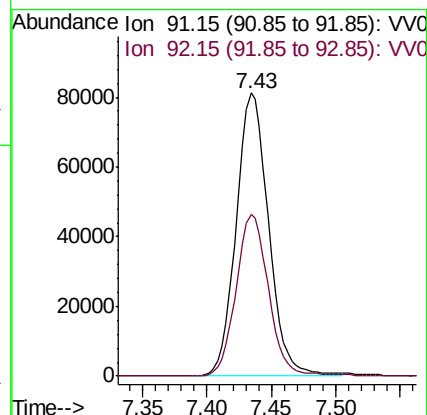
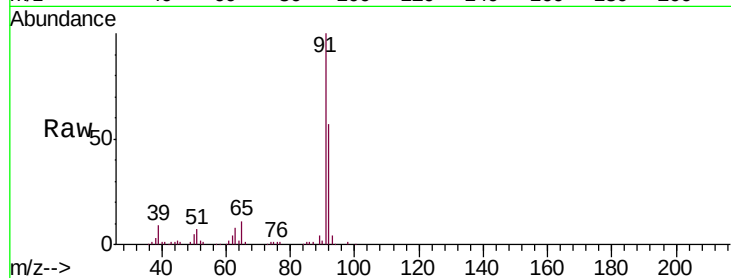
VSTD00574

Tgt Ion: 91 Resp: 142273

Ion Ratio Lower Upper

91 100

92 57.2 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 4.207 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. -0.00 min

Lab File: VV007685.D

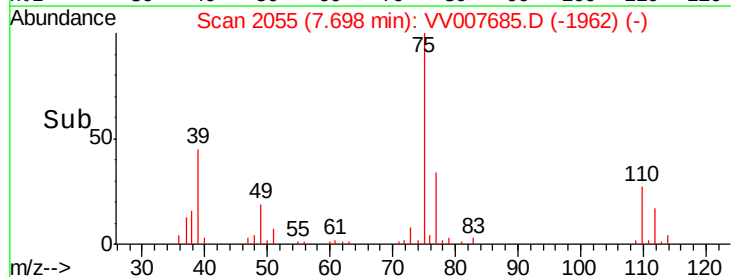
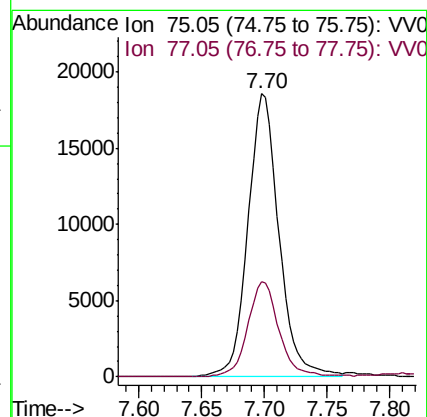
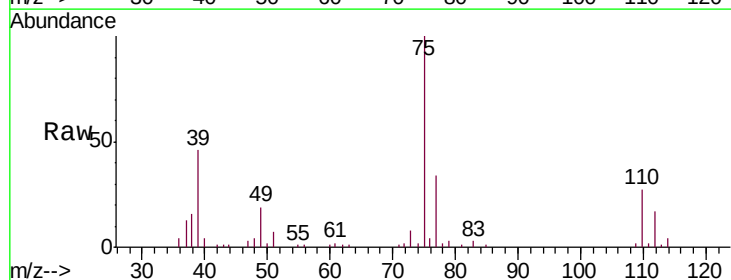
Acq: 21 Sep 2018 05:13

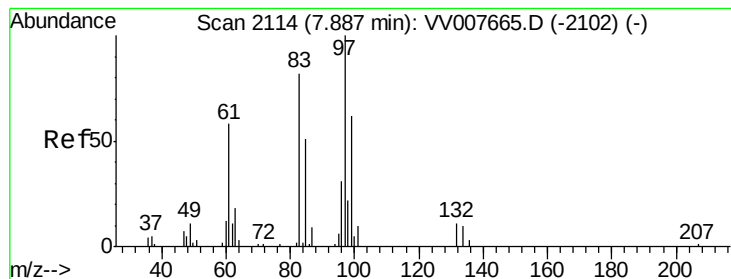
Tgt Ion: 75 Resp: 32105

Ion Ratio Lower Upper

75 100

77 33.6 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 4.743 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

Tgt Ion: 97 Resp: 23727

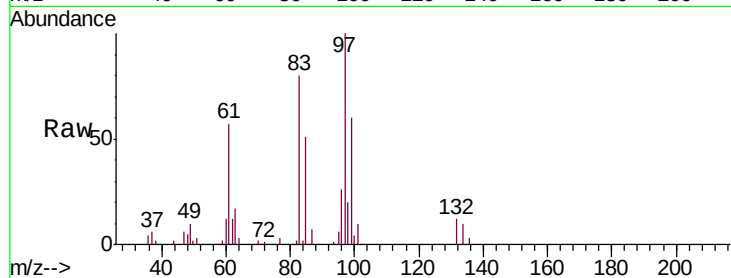
Ion Ratio Lower Upper

97 100

99 60.3 46.0 85.4

83 79.7 57.3 106.3

85 51.4 38.4 71.4



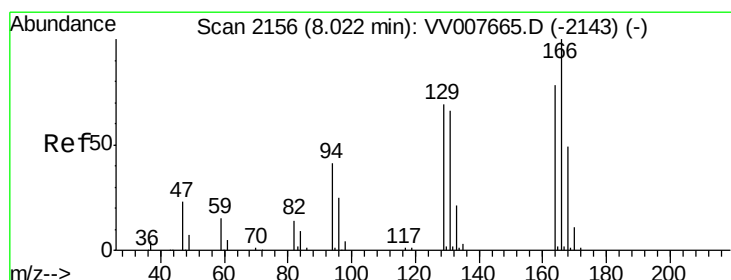
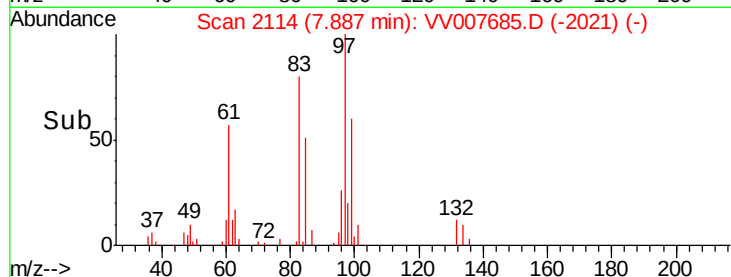
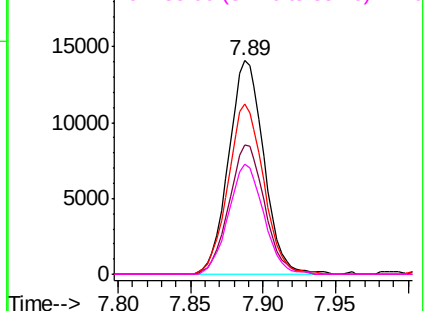
Abundance

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: 4.758 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Tgt Ion: 164 Resp: 37018

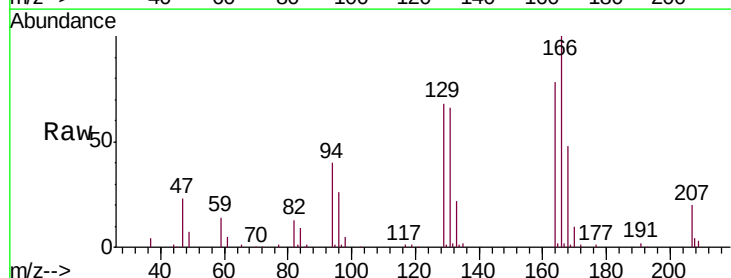
Ion Ratio Lower Upper

164 100

129 87.2 61.5 114.3

131 84.0 60.9 113.1

166 127.5 88.8 165.0



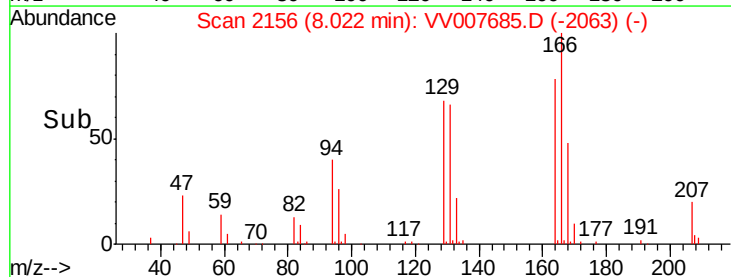
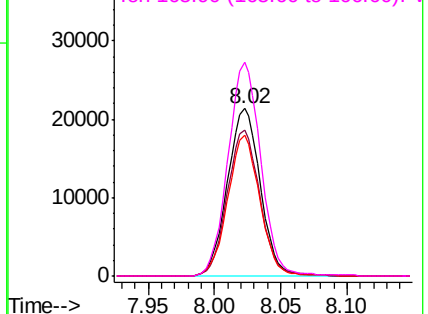
Abundance

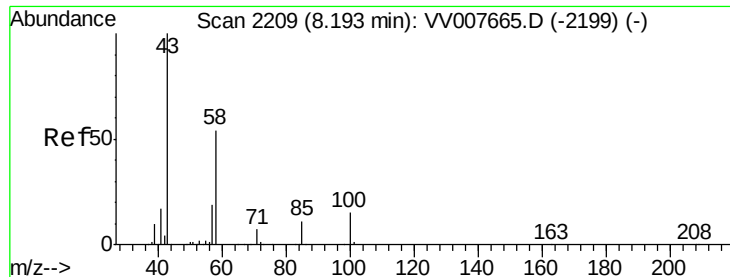
Ion 163.90 (163.60 to 164.60): V

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

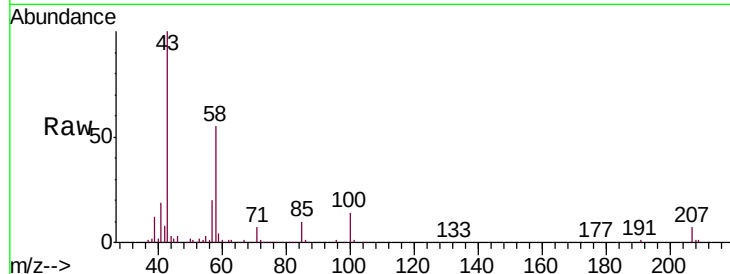




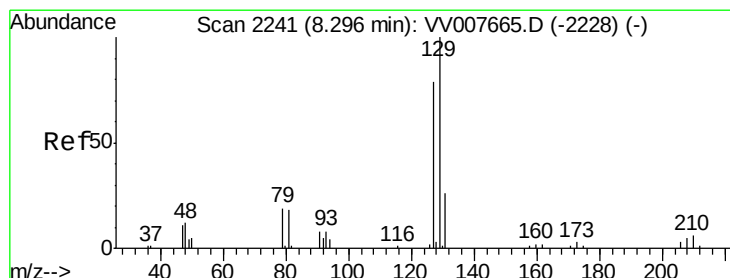
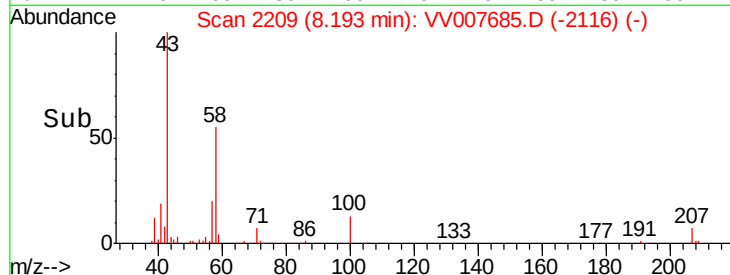
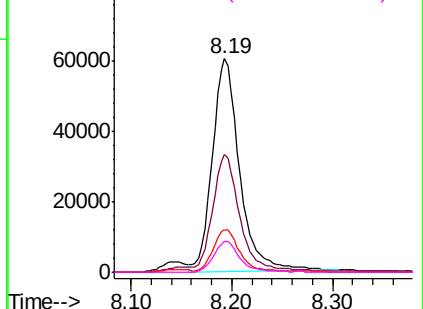
#48
2-Hexanone
Concen: 45.695 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VV007685.D
Acq: 21 Sep 2018 05:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

Tgt Ion: 43 Resp: 113788
Ion Ratio Lower Upper
43 100
58 54.4 45.3 67.9
57 19.2 16.6 24.8
100 14.0 11.4 17.0

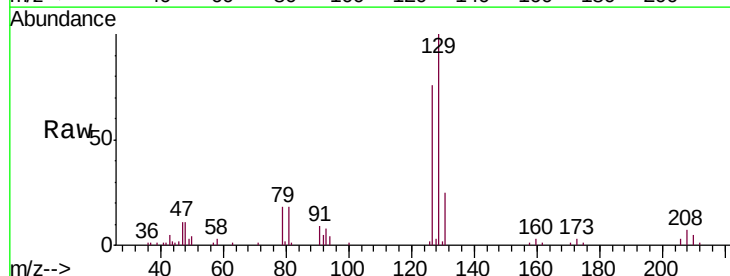


Abundance Ion 43.05 (42.75 to 43.75): VV007665.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VV007665.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VV007665.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VV007665.D (-2199) (-)

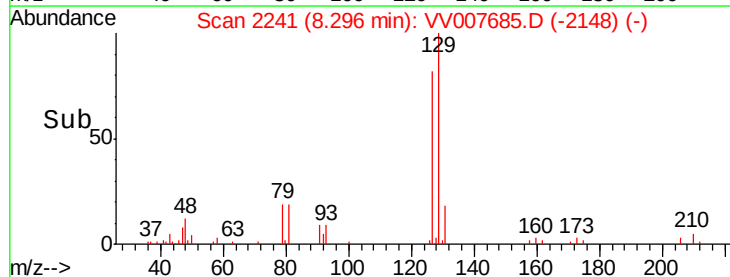
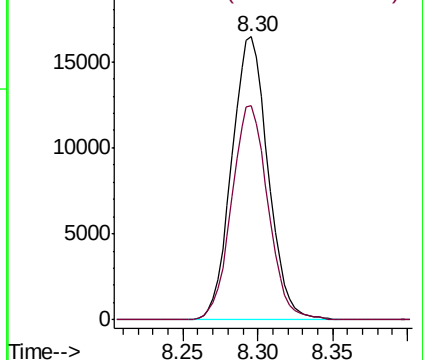


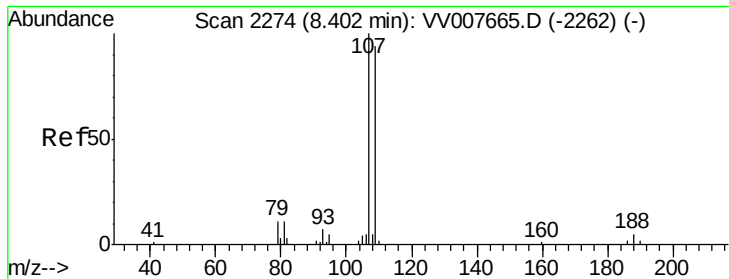
#49
Dibromochloromethane
Concen: 4.469 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VV007685.D
Acq: 21 Sep 2018 05:13

Tgt Ion: 129 Resp: 27827
Ion Ratio Lower Upper
129 100
127 75.6 54.9 102.1



Abundance Ion 128.95 (128.65 to 129.65): VV007665.D (-2228) (-)
Ion 126.90 (126.60 to 127.60): VV007665.D (-2228) (-)





#50

1,2-Dibromoethane

Concen: 4.725 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

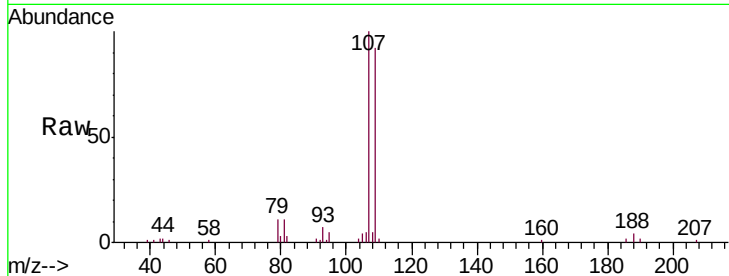
Tgt Ion:107 Resp: 22406

Ion Ratio Lower Upper

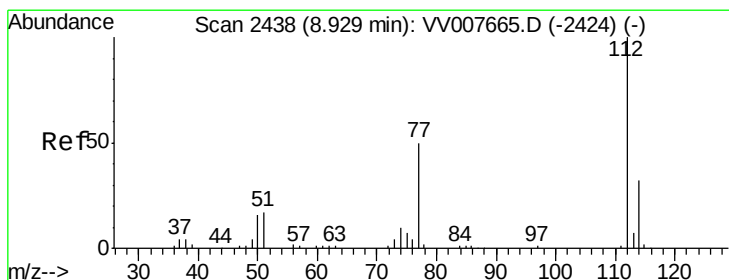
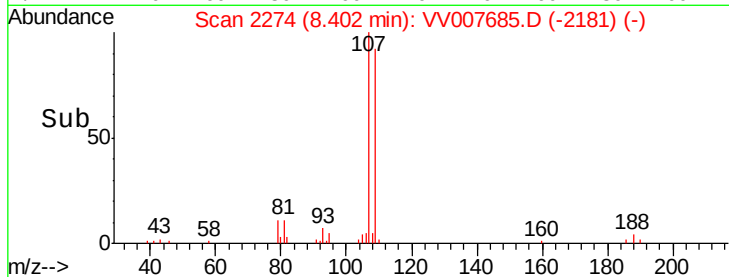
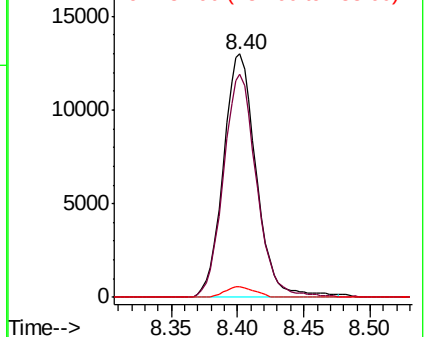
107 100

109 91.8 68.0 126.4

188 4.4 3.5 5.3



Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 4.653 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

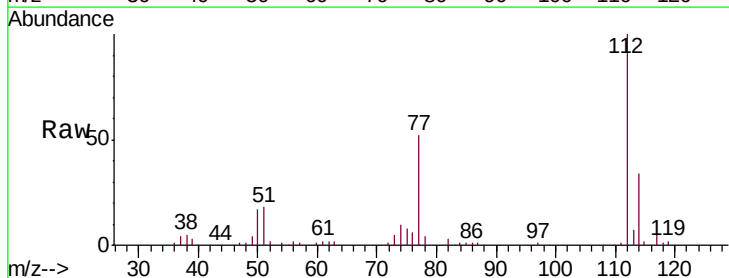
Tgt Ion:112 Resp: 98918

Ion Ratio Lower Upper

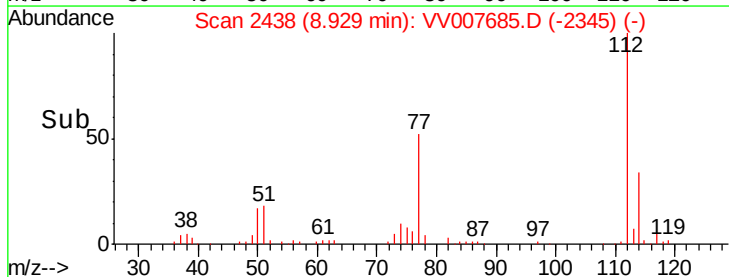
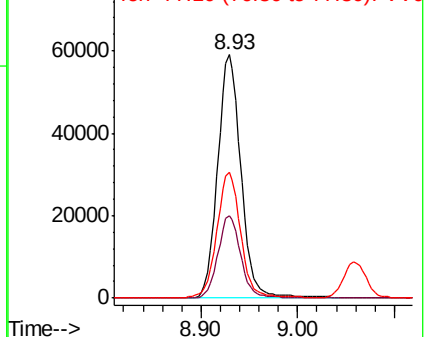
112 100

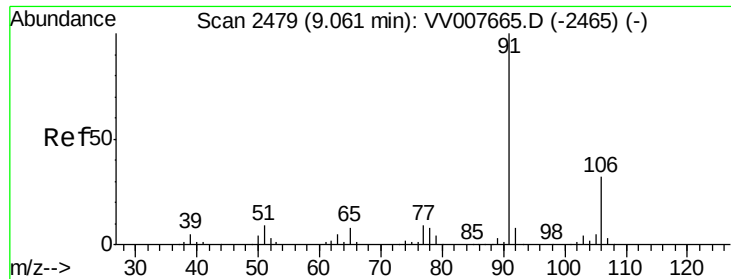
114 34.0 21.5 39.9

77 51.7 40.8 61.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.608 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampled :

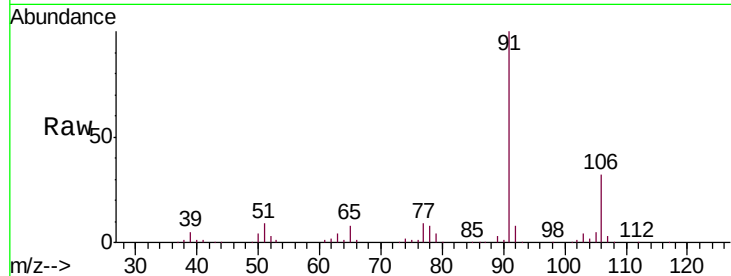
VSTD00574

Tgt Ion: 91 Resp: 159685

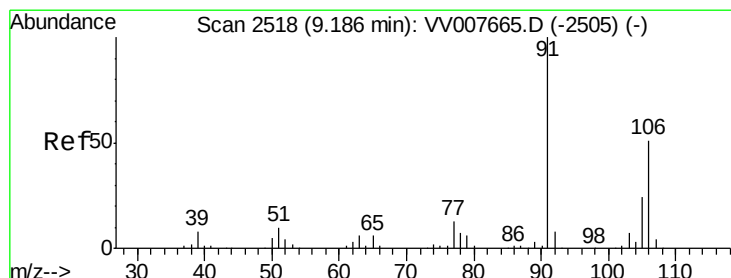
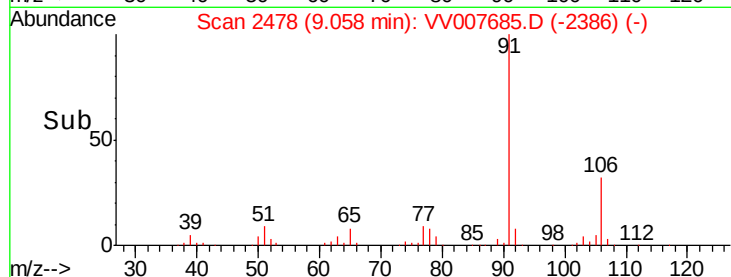
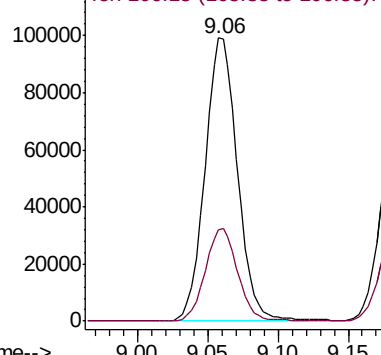
Ion Ratio Lower Upper

91 100

106 32.1 22.1 41.1



Abundance Ion 91.15 (90.85 to 91.85): VV007665.D (-2465) (-)



#53

m,p-xylene

Concen: 4.644 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VV007685.D

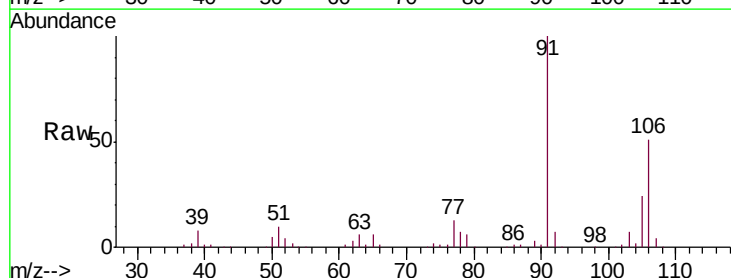
Acq: 21 Sep 2018 05:13

Tgt Ion: 106 Resp: 63253

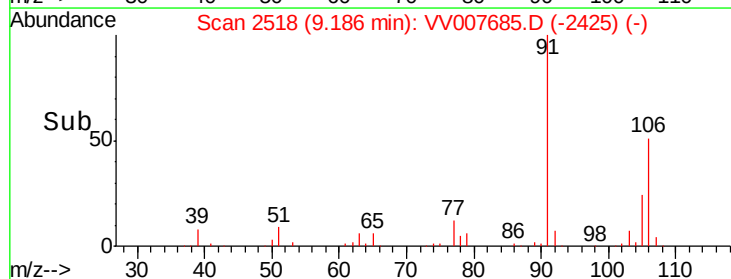
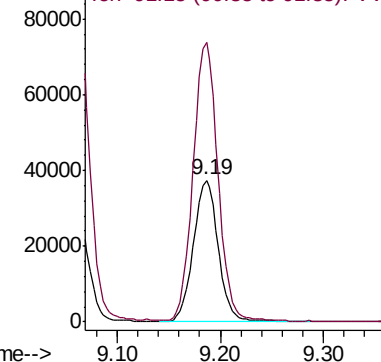
Ion Ratio Lower Upper

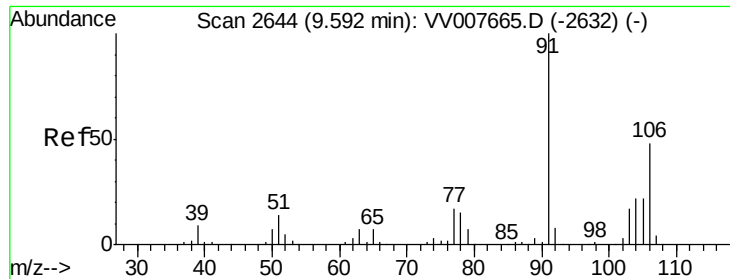
106 100

91 197.7 140.9 261.7



Abundance Ion 106.15 (105.85 to 106.85): VV007665.D (-2505) (-)

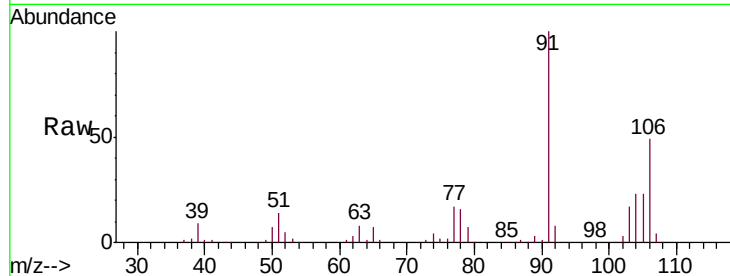




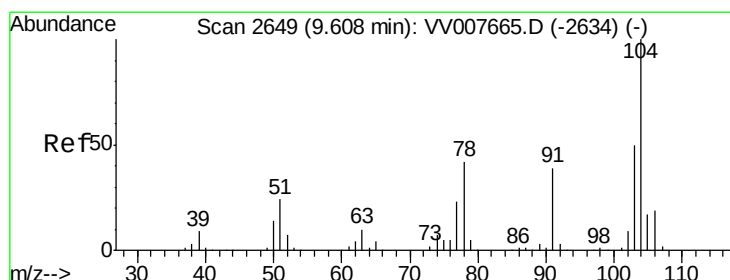
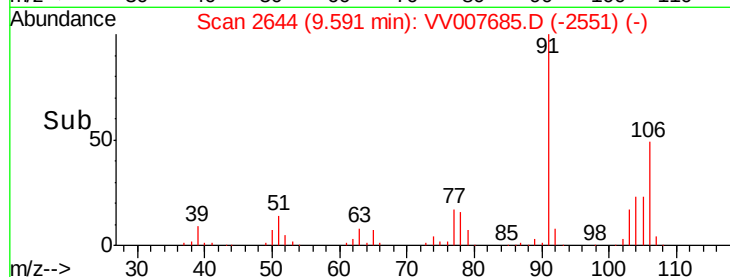
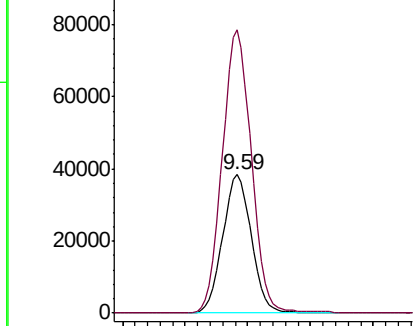
#54
o-xylene
Concen: 4.567 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VV007685.D
Acq: 21 Sep 2018 05:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00574

Tgt Ion:106 Resp: 61214
Ion Ratio Lower Upper
106 100
91 204.6 143.3 266.1

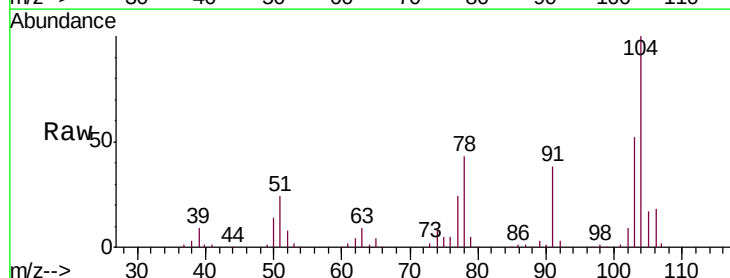


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

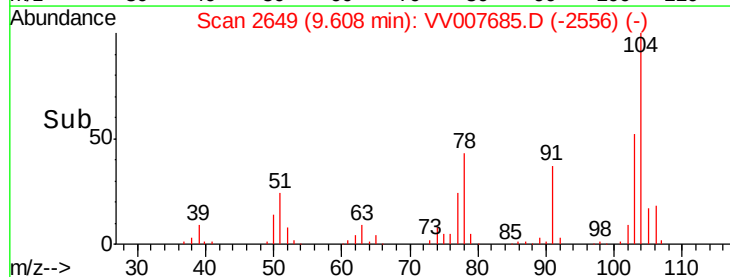
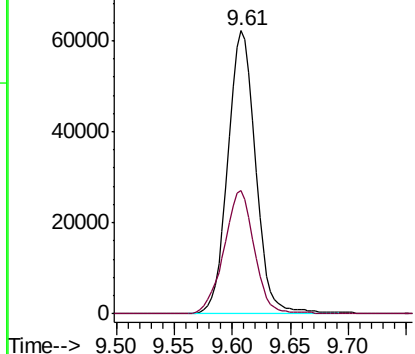


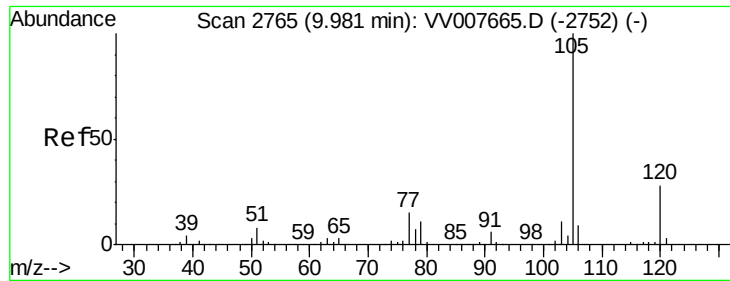
#55
Styrene
Concen: 4.679 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. -0.00 min
Lab File: VV007685.D
Acq: 21 Sep 2018 05:13

Tgt Ion:104 Resp: 102505
Ion Ratio Lower Upper
104 100
78 43.4 29.0 53.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.636 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

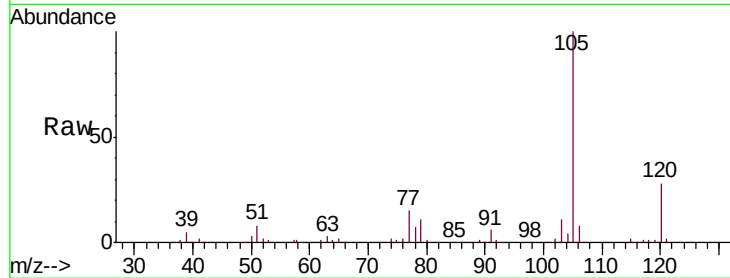
Tgt Ion: 105 Resp: 169086

Ion Ratio Lower Upper

105 100

120 27.9 22.4 33.6

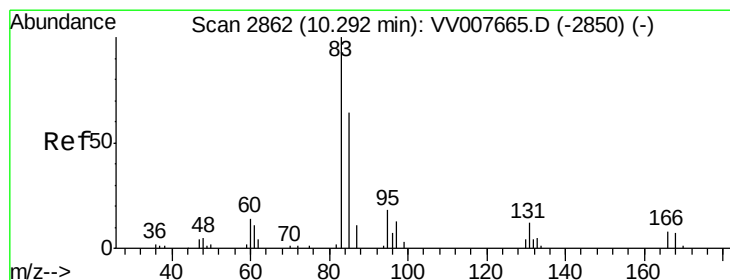
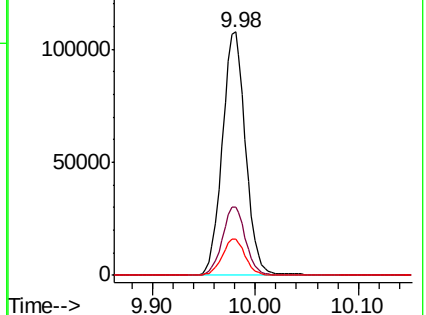
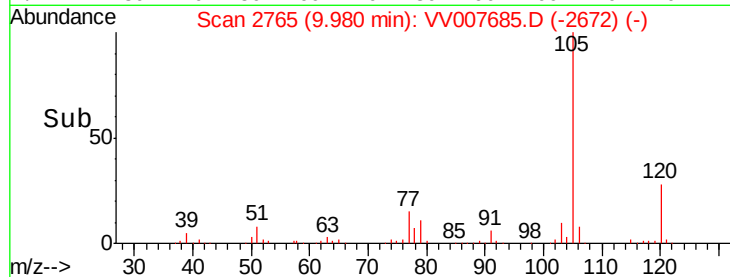
77 14.7 11.8 17.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.528 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

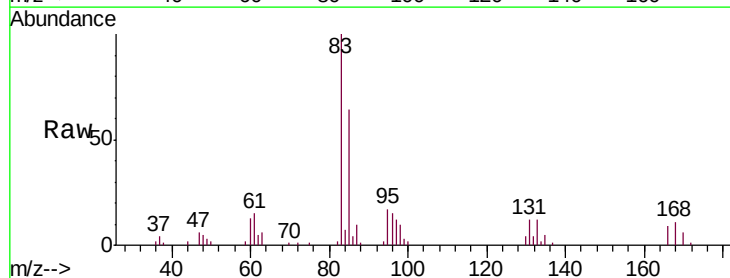
Tgt Ion: 83 Resp: 25850

Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.2

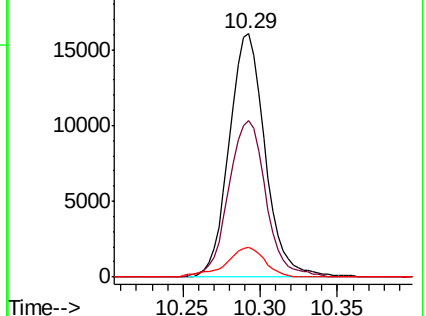
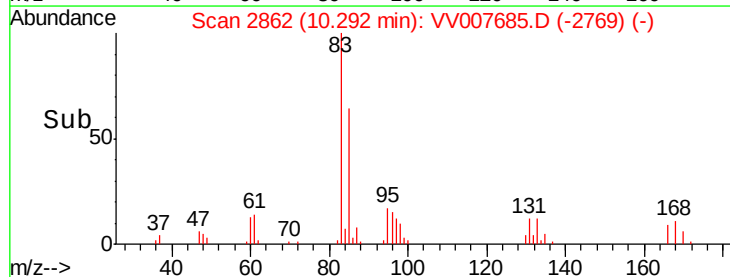
131 12.2 9.4 14.0

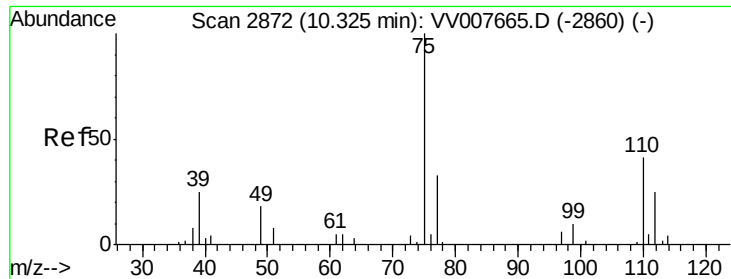


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

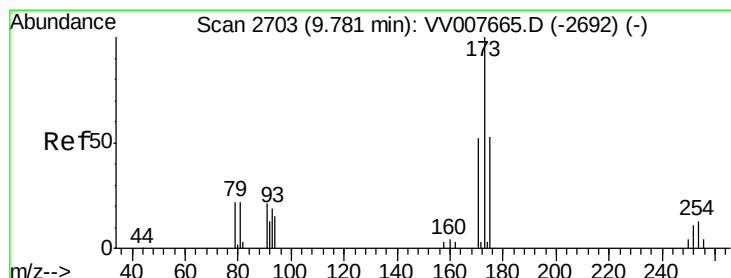
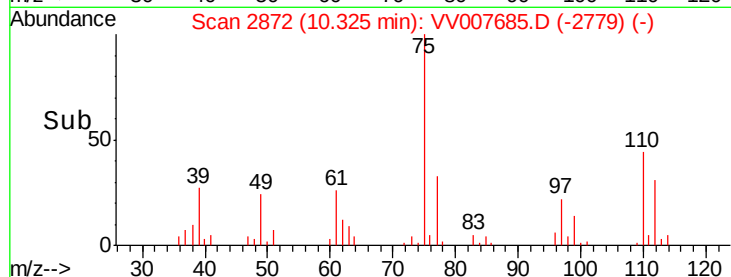
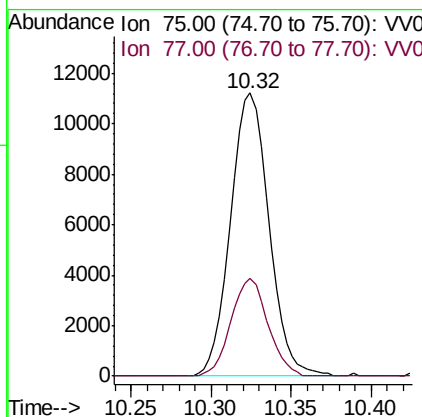
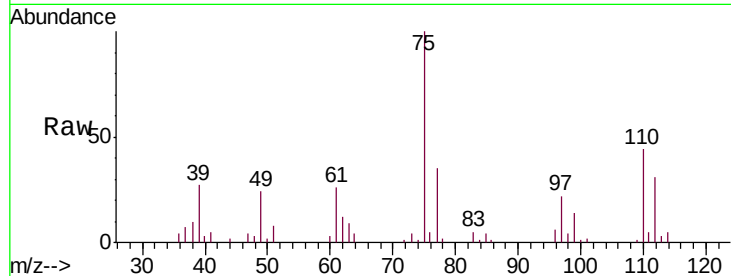




#59
 1,2,3-Trichloropropane
 Concen: 4.613 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

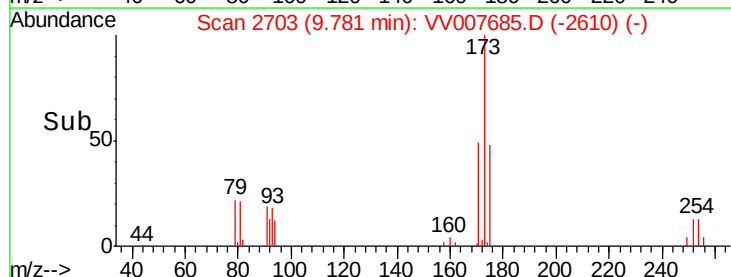
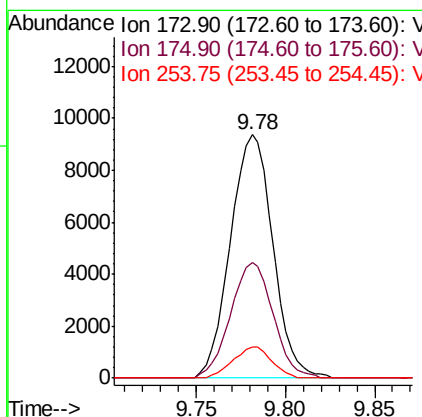
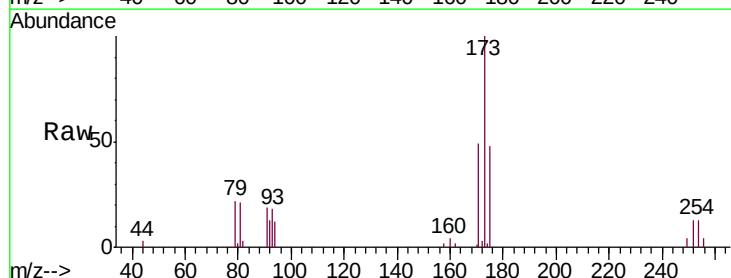
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

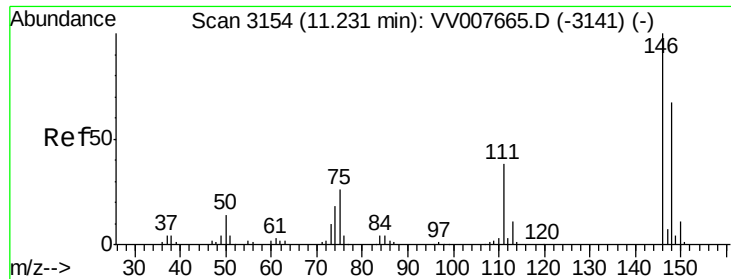
Tgt Ion: 75 Resp: 18371
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.5 39.7



#61
 Bromoform
 Concen: 4.296 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. -0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

Tgt Ion: 173 Resp: 15529
 Ion Ratio Lower Upper
 173 100
 175 47.6 37.5 56.3
 254 11.6 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 4.621 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

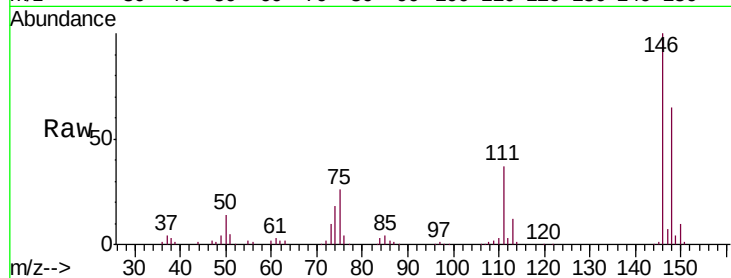
Tgt Ion:146 Resp: 85999

Ion Ratio Lower Upper

146 100

111 36.8 24.7 45.9

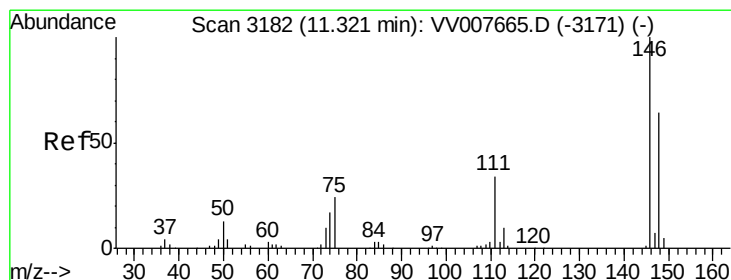
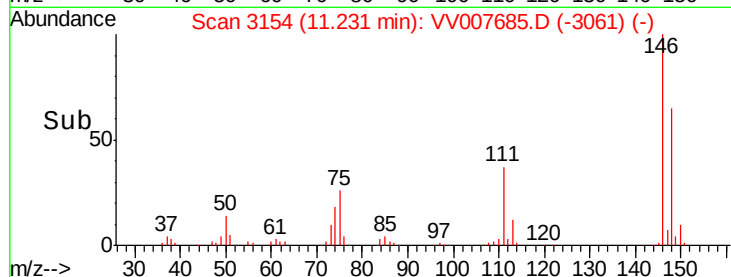
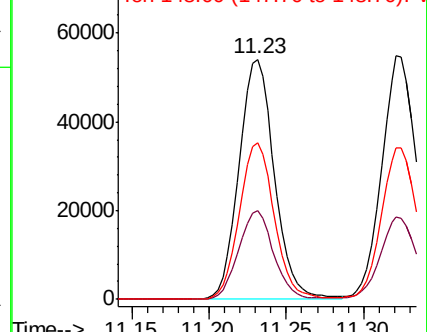
148 65.2 46.1 85.7



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: 4.736 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

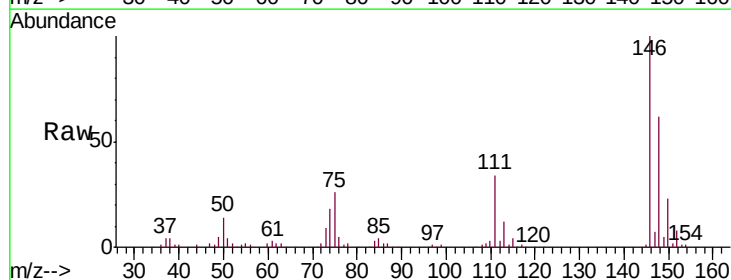
Tgt Ion:146 Resp: 88606

Ion Ratio Lower Upper

146 100

111 33.7 24.3 45.1

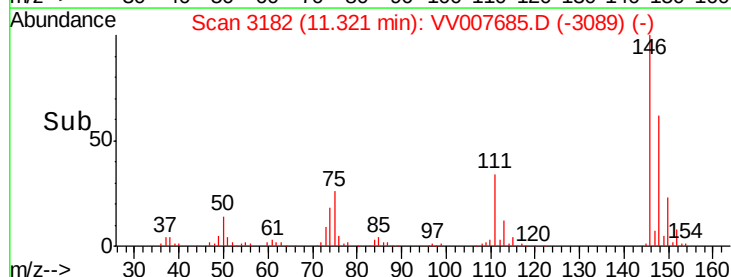
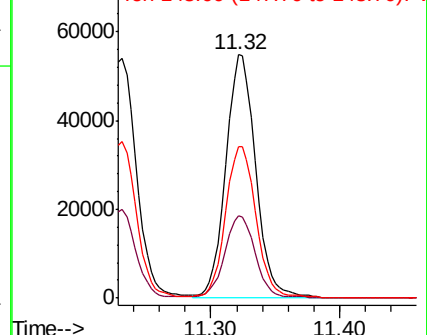
148 62.3 45.7 84.9

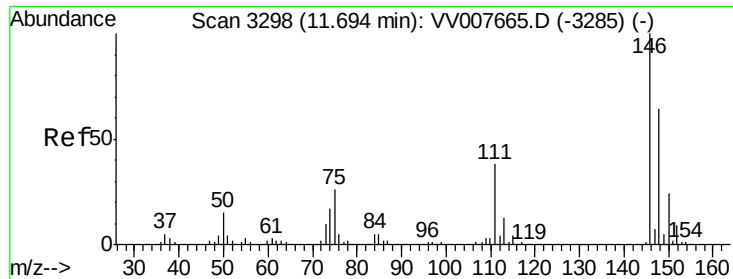


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

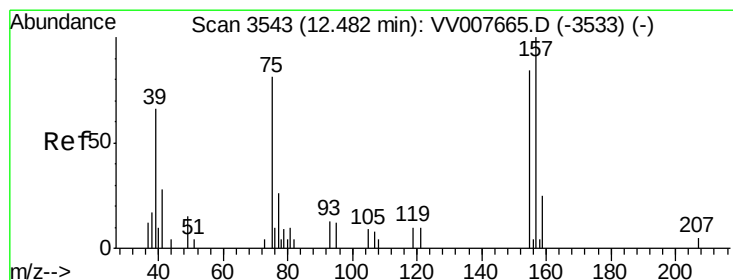
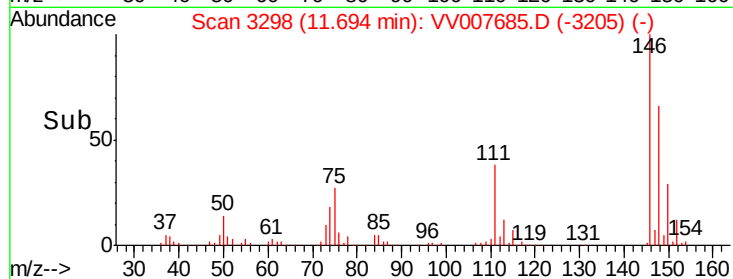
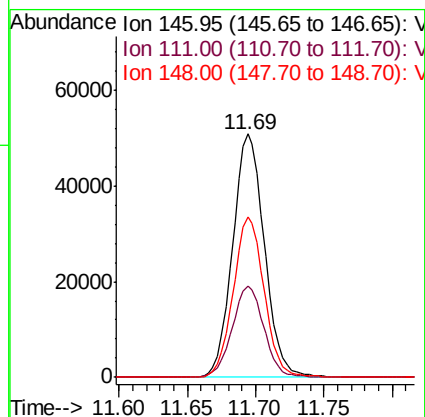
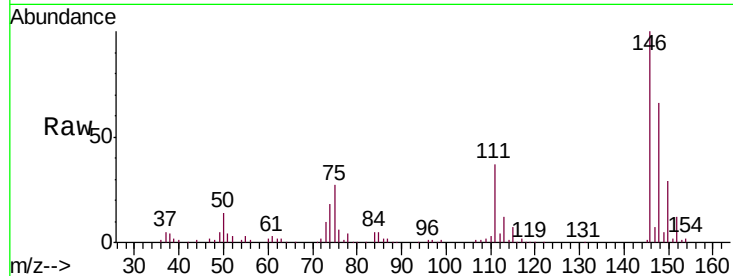




#65
 1,2-Dichlorobenzene
 Concen: 4.683 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

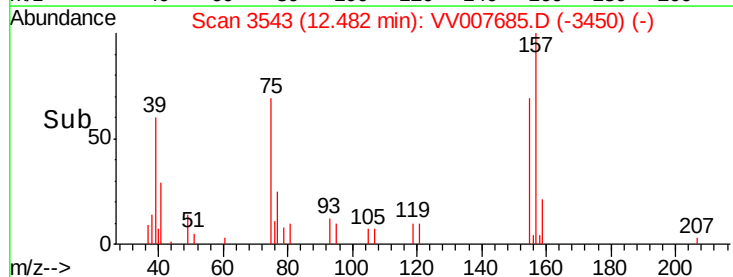
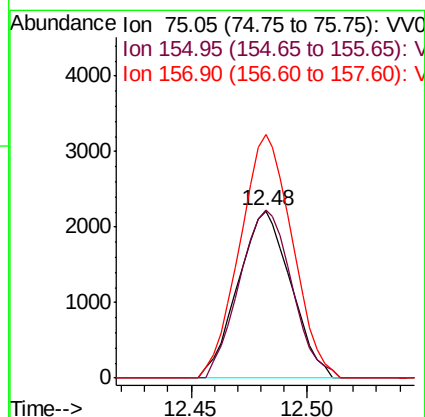
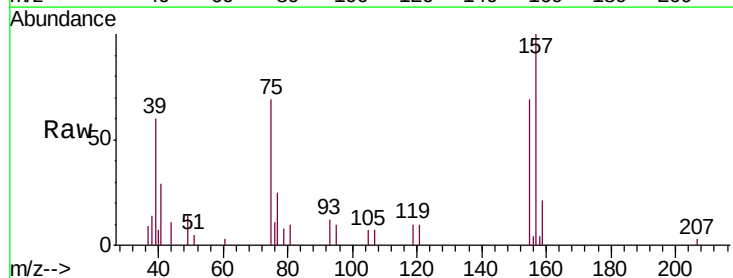
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

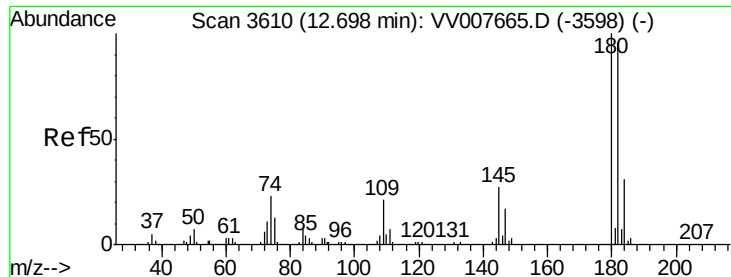
Tgt Ion: 146 Resp: 81978
 Ion Ratio Lower Upper
 146 100
 111 37.4 30.0 45.0
 148 65.7 51.5 77.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.402 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. -0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

Tgt Ion: 75 Resp: 3505
 Ion Ratio Lower Upper
 75 100
 155 100.2 84.6 127.0
 157 145.4 116.8 175.2

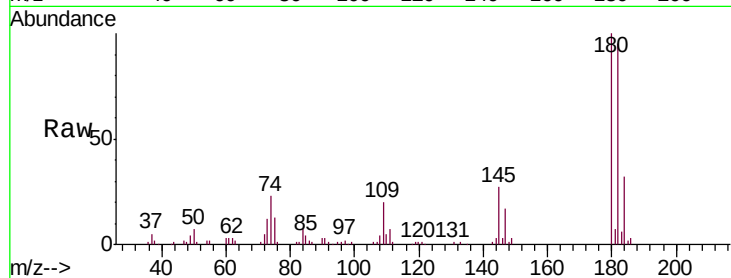




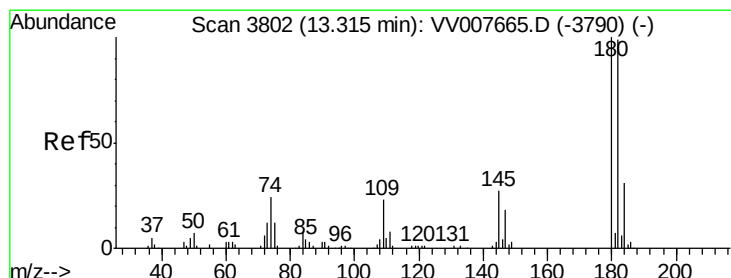
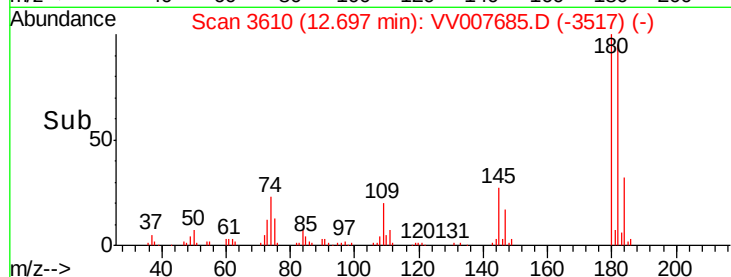
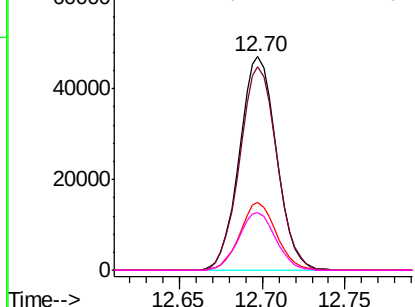
#67
 1,3,5-Trichlorobenzene
 Concen: 4.541 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00574

Tgt Ion:180 Resp: 73224
 Ion Ratio Lower Upper
 180 100
 182 96.0 75.8 113.8
 184 31.1 24.5 36.7
 145 27.0 21.4 32.2

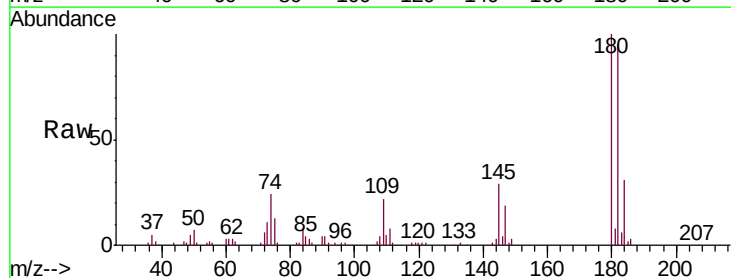


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

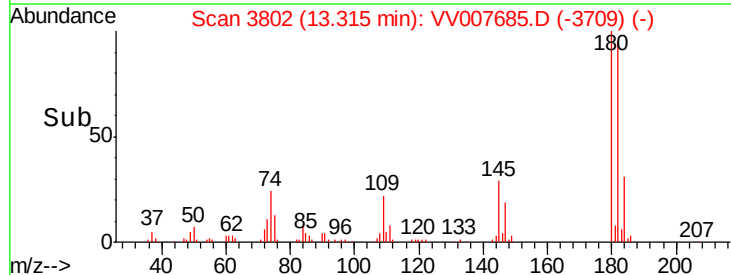
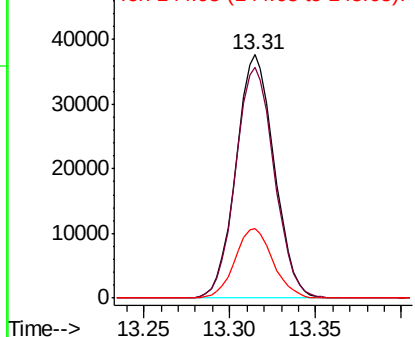


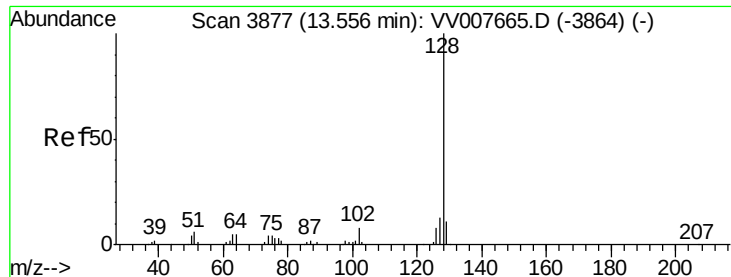
#68
 1,2,4-trichlorobenzene
 Concen: 4.434 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. -0.00 min
 Lab File: VV007685.D
 Acq: 21 Sep 2018 05:13

Tgt Ion:180 Resp: 58301
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.8 116.6
 145 28.3 23.0 34.4



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 3.962 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00574

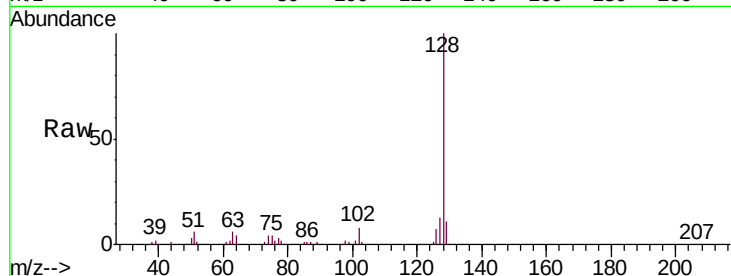
Tgt Ion:128 Resp: 77814

Ion Ratio Lower Upper

128 100

129 10.7 8.6 13.0

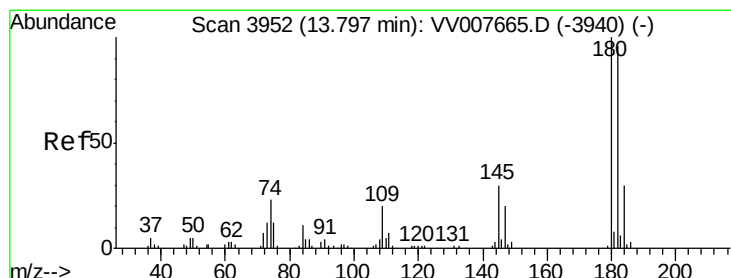
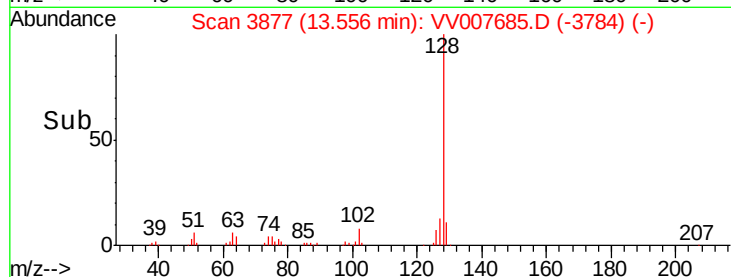
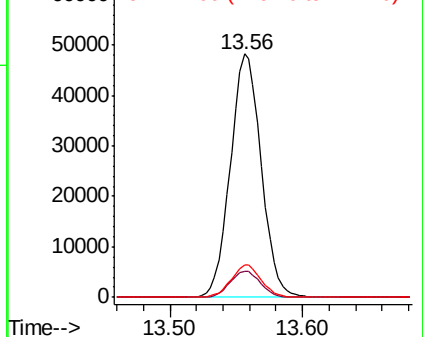
127 12.9 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.363 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. -0.00 min

Lab File: VV007685.D

Acq: 21 Sep 2018 05:13

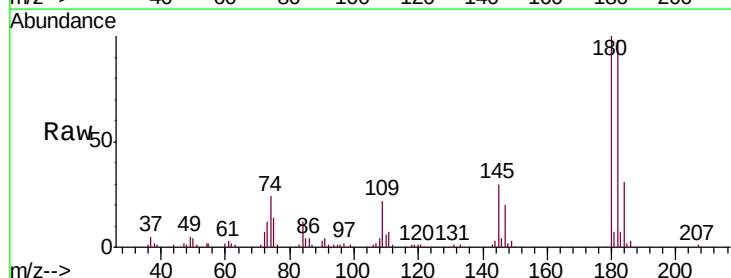
Tgt Ion:180 Resp: 52823

Ion Ratio Lower Upper

180 100

182 95.5 79.7 119.5

145 29.5 23.9 35.9



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

