

Data File : VV007594.D
Acq On : 17 Sep 2018 18:35
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Quant Time: Sep 18 03:42:21 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 18 03:38:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	120937	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	109520	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61974	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	22415	3.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.00%
7) Chloroethane-d5	1.58	69	22675	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.14	63	56748	4.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.40%
20) 2-Butanone-d5	3.96	46	41787	47.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.84%
24) Chloroform-d	4.41	84	58085	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.60%
26) 1,2-Dichloroethane-d4	5.09	65	29011	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.10	84	110395	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.12	67	32488	4.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.80%
41) Toluene-d8	7.36	98	115006	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.00%
43) trans-1,3-Dichloropropene-	7.67	79	14023	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.15	63	22993	42.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.06%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22884	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	51623	4.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	31183	4.763	ug/L 98
3) Chloromethane	1.25	50	25751	4.526	ug/L 96
5) Vinyl chloride	1.32	62	30505	4.802	ug/L 97
6) Bromomethane	1.54	94	22266	4.911	ug/L 96
8) Chloroethane	1.60	64	19542	5.047	ug/L 98
9) Trichlorofluoromethane	1.77	101	63006	5.028	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	35672	5.217	ug/L 98
12) 1,1-Dichloroethene	2.15	96	31440	5.122	ug/L 87
13) Acetone	2.21	43	27642	48.033	ug/L 97
14) Carbon disulfide	2.32	76	84941	4.730	ug/L 99
15) Methyl Acetate	2.47	43	7661	4.857	ug/L 98
16) Methylene chloride	2.54	84	32122	4.842	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	72312	4.897	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	33927	5.081	ug/L 99
19) 1,1-Dichloroethane	3.23	63	47335	4.862	ug/L 99
21) 2-Butanone	4.05	43	43639	45.204	ug/L 94
22) cis-1,2-Dichloroethene	3.96	96	32201	4.892	ug/L 90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	14203	4.923	ug/L	93
25) Chloroform	4.43	83	54781	4.924	ug/L	97
27) 1,2-Dichloroethane	5.19	62	31138	4.861	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	50870	4.776	ug/L	99
30) Cyclohexane	4.72	56	42824	4.611	ug/L	99
31) Carbon tetrachloride	4.88	117	47398	4.742	ug/L	99
33) Benzene	5.15	78	110723	4.896	ug/L	100
34) Trichloroethene	5.96	95	36722	5.294	ug/L	98
35) Methylcyclohexane	6.18	83	52569	4.908	ug/L	98
37) 1,2-Dichloropropane	6.23	63	26545	4.763	ug/L	100
38) Bromodichloromethane	6.56	83	36712	4.542	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	41507	4.684	ug/L	95
40) 4-Methyl-2-pentanone	7.29	43	145400	47.255	ug/L	99
42) Toluene	7.43	91	127735	4.889	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	32382	4.443	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	20774	4.992	ug/L	98
47) Tetrachloroethene	8.02	164	31737	5.096	ug/L	99
48) 2-Hexanone	8.20	43	113894	48.756	ug/L	95
49) Dibromochloromethane	8.30	129	27060	4.568	ug/L	98
50) 1,2-Dibromoethane	8.40	107	20124	4.980	ug/L #	98
51) Chlorobenzene	8.93	112	89011	5.066	ug/L	97
52) Ethylbenzene	9.06	91	145668	4.950	ug/L	99
53) m,p-xylene	9.18	106	57513	5.044	ug/L	99
54) o-xylene	9.59	106	55547	4.975	ug/L	99
55) Styrene	9.61	104	91153	5.011	ug/L	100
56) Isopropylbenzene	9.98	105	150883	4.977	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	18113	4.443	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	16783	4.925	ug/L	100
61) Bromoform	9.78	173	15554	4.228	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	78805	5.033	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	77400	4.944	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	72397	4.968	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	3141	4.190	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	64625	5.288	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	47394	5.386	ug/L	99
69) Naphthalene	13.56	128	53330	5.006	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	42429	5.288	ug/L	98

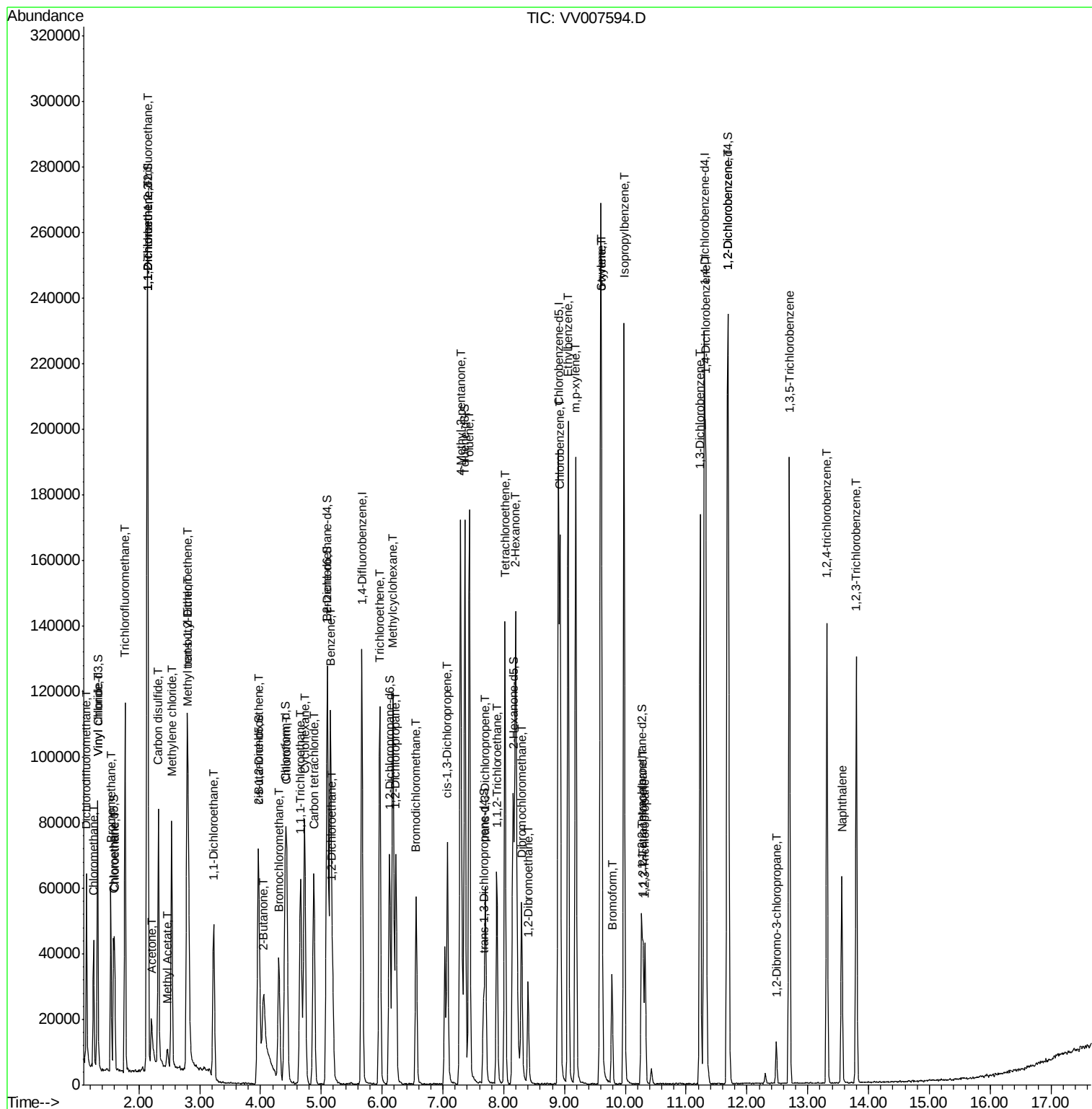
(#) = qualifier out of range (m) = manual integration (+) = signals summed

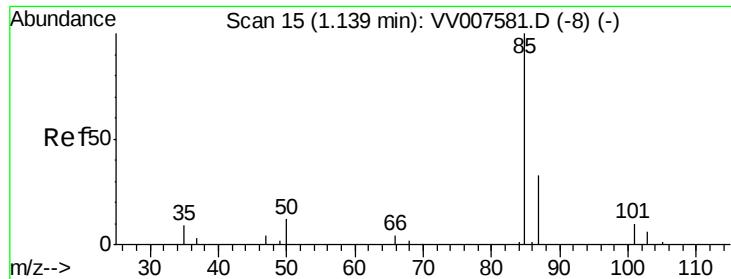
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```
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#2

Dichlorodifluoromethane

Concen: 4.763 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampleId :

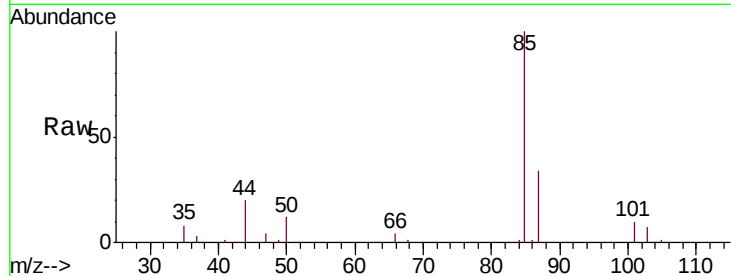
VSTD00566

Tgt Ion: 85 Resp: 31183

Ion Ratio Lower Upper

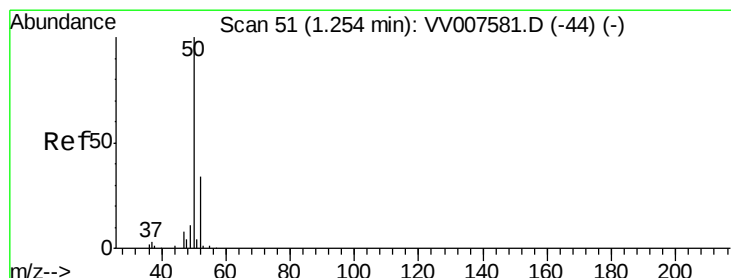
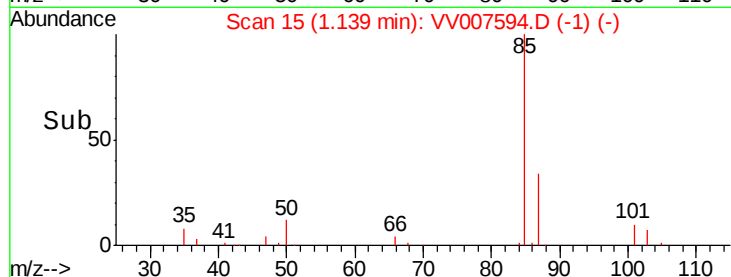
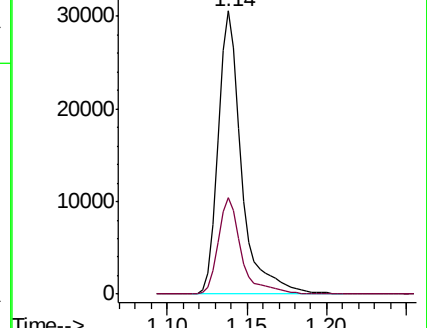
85 100

87 33.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV007581.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007581.D (-8) (-)



#3

Chloromethane

Concen: 4.526 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007594.D

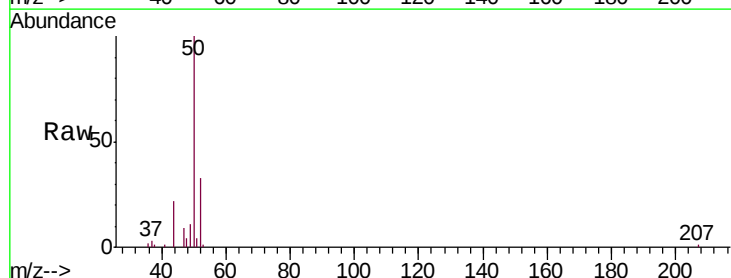
Acq: 17 Sep 2018 18:35

Tgt Ion: 50 Resp: 25751

Ion Ratio Lower Upper

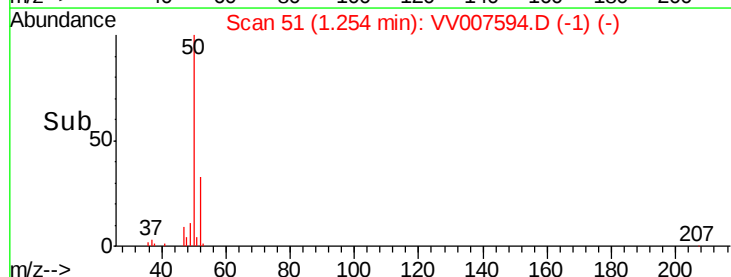
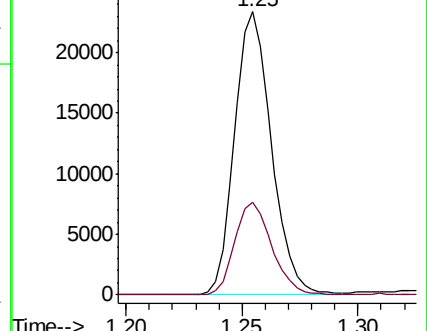
50 100

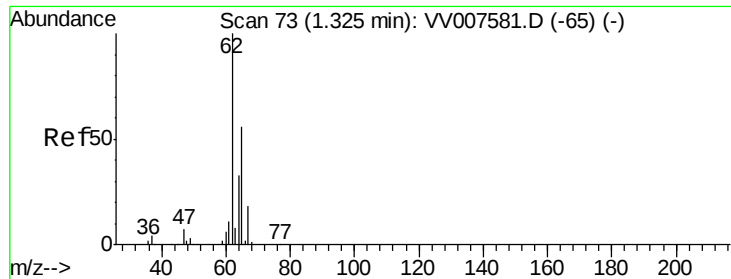
52 32.6 24.3 45.1



Abundance Ion 50.05 (49.75 to 50.75): VV007581.D (-44) (-)

Ion 52.05 (51.75 to 52.75): VV007581.D (-44) (-)





#5

Vinyl chloride

Concen: 4.802 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampleId :

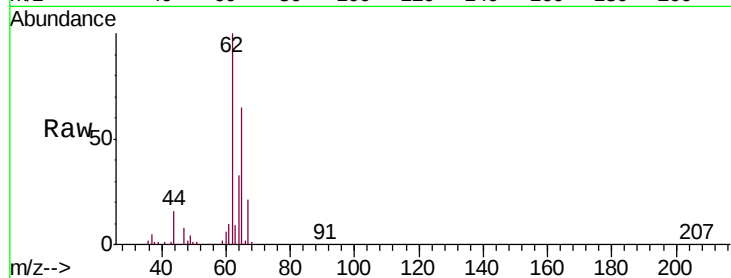
VSTD00566

Tgt Ion: 62 Resp: 30505

Ion Ratio Lower Upper

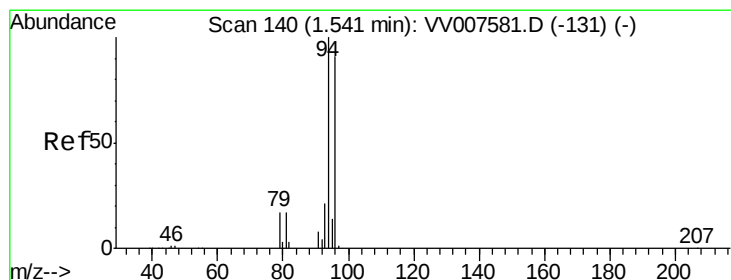
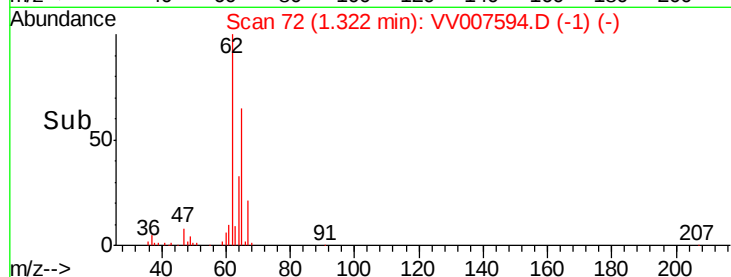
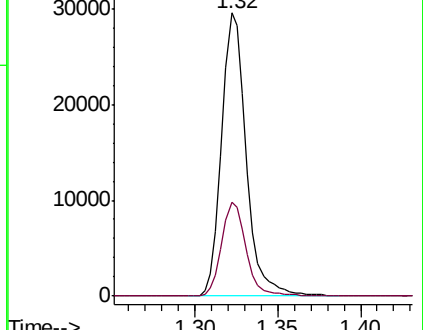
62 100

64 33.0 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VV007581.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV007581.D (-65) (-)



#6

Bromomethane

Concen: 4.911 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007594.D

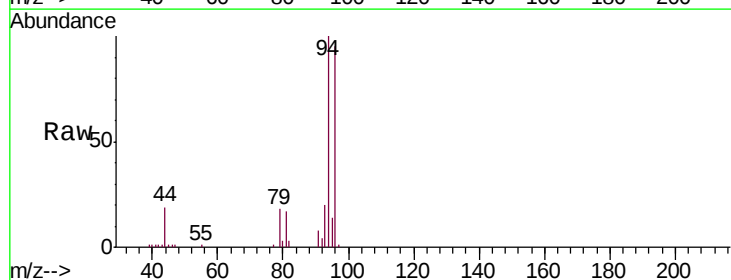
Acq: 17 Sep 2018 18:35

Tgt Ion: 94 Resp: 22266

Ion Ratio Lower Upper

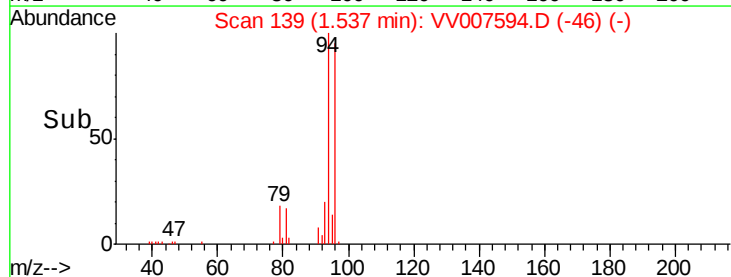
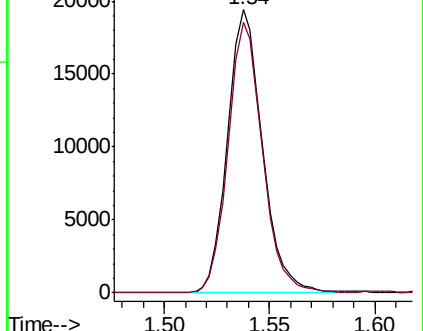
94 100

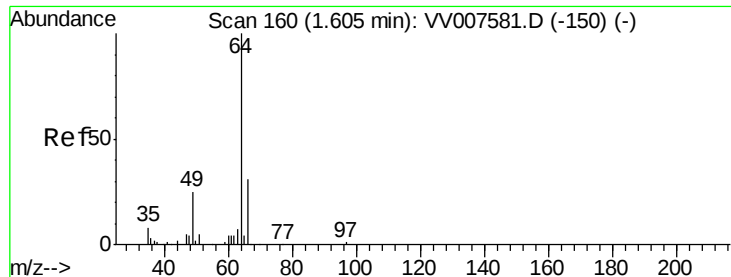
96 95.5 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV007581.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV007581.D (-131) (-)





#8

Chloroethane

Concen: 5.047 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampleId :

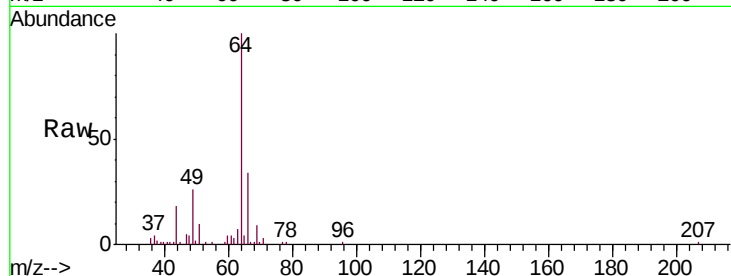
VSTD00566

Tgt Ion: 64 Resp: 19542

Ion Ratio Lower Upper

64 100

66 33.6 24.3 45.1

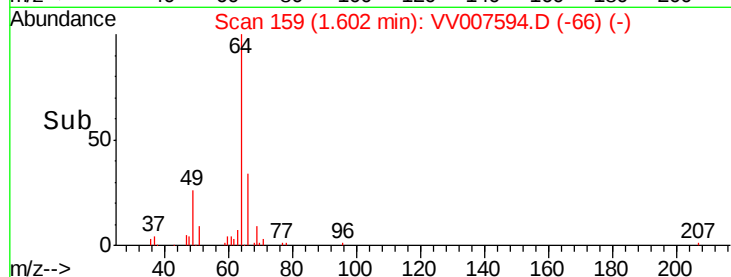


Abundance Ion 64.10 (63.80 to 64.80): VV007581.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV007581.D (-150) (-)

1.60

Time-->

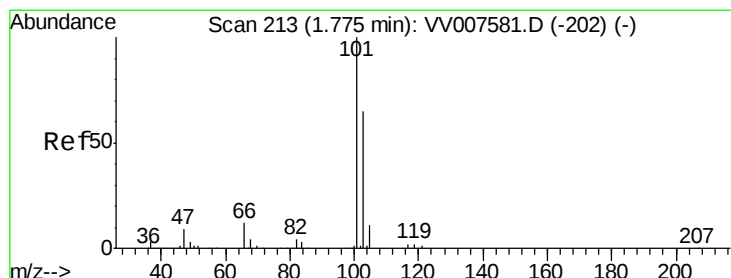


Abundance Ion 64.10 (63.80 to 64.80): VV007581.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV007581.D (-150) (-)

1.60

Time-->



#9

Trichlorofluoromethane

Concen: 5.028 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV007594.D

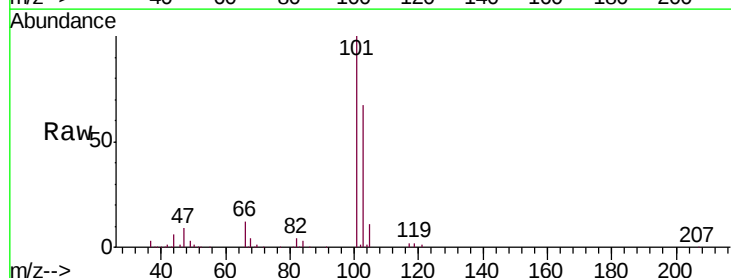
Acq: 17 Sep 2018 18:35

Tgt Ion: 101 Resp: 63006

Ion Ratio Lower Upper

101 100

103 65.8 51.8 77.8

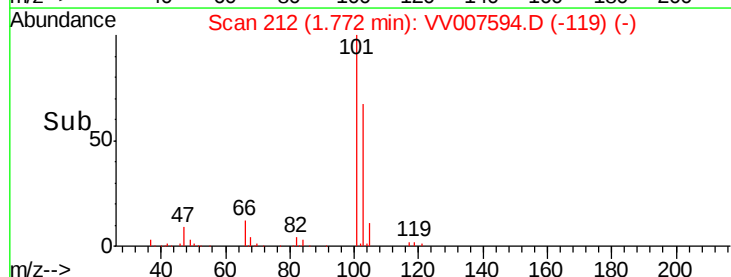


Abundance Ion 101.00 (100.70 to 101.70): VV007581.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV007581.D (-202) (-)

1.77

Time-->

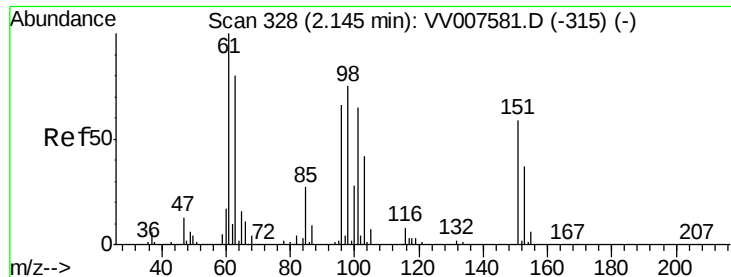


Abundance Ion 101.00 (100.70 to 101.70): VV007581.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV007581.D (-202) (-)

1.77

Time-->



#10

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

Concen: 5.217 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV007594.D

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ClientSampleId :

VSTD00566

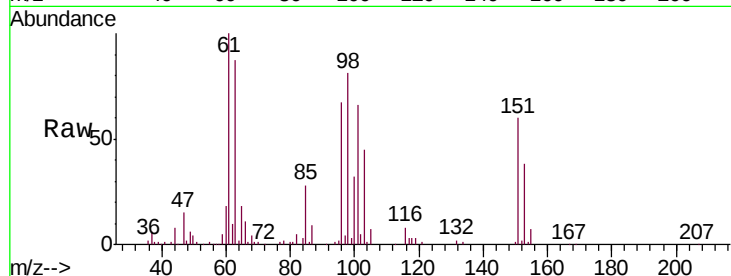
Tgt Ion:101 Resp: 35672

Ion Ratio Lower Upper

101 100

85 42.6 34.8 52.2

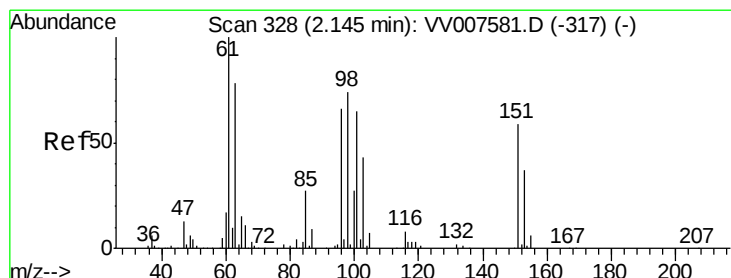
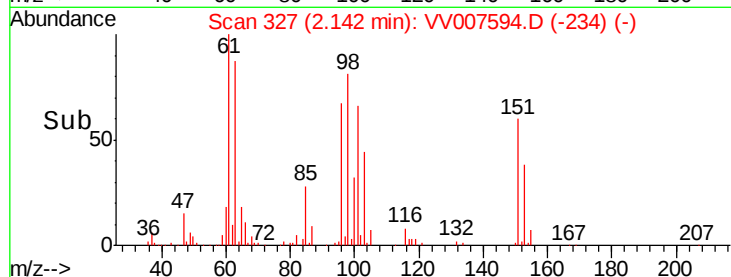
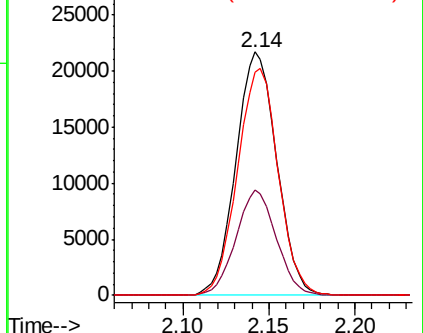
151 93.1 72.6 109.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.122 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

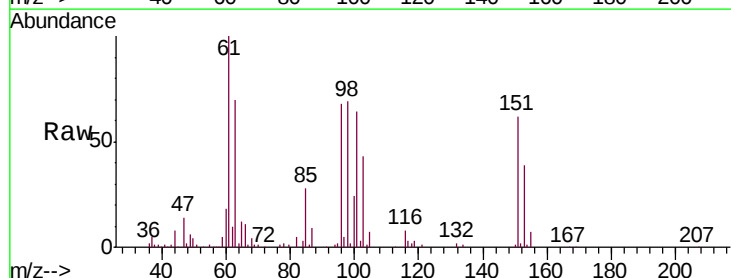
Tgt Ion: 96 Resp: 31440

Ion Ratio Lower Upper

96 100

61 146.4 114.8 213.2

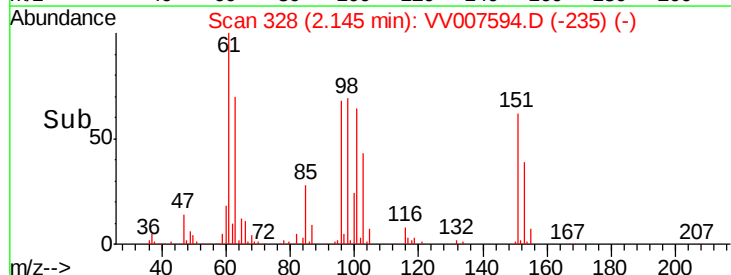
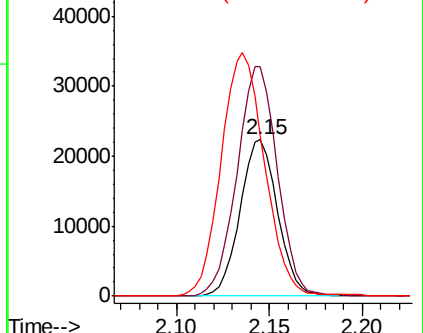
63 102.1 81.8 151.8

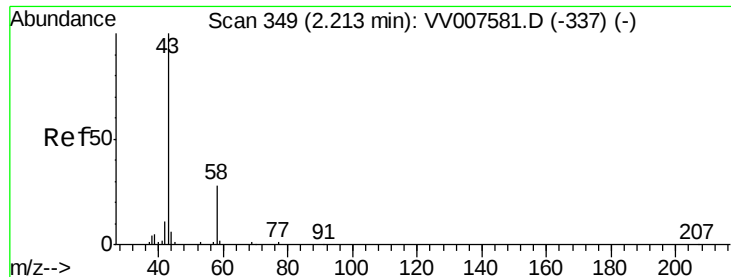


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 48.033 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

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MSVOA_V

ClientSampleId :

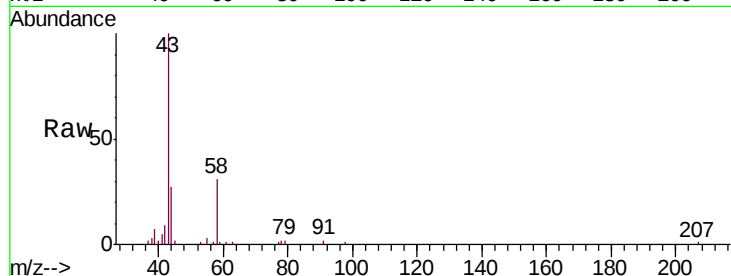
VSTD00566

Tgt Ion: 43 Resp: 27642

Ion Ratio Lower Upper

43 100

58 30.0 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VV007581.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV007581.D (-337) (-)

2.21

10000

8000

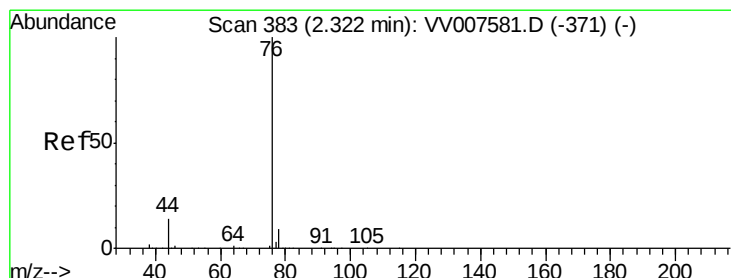
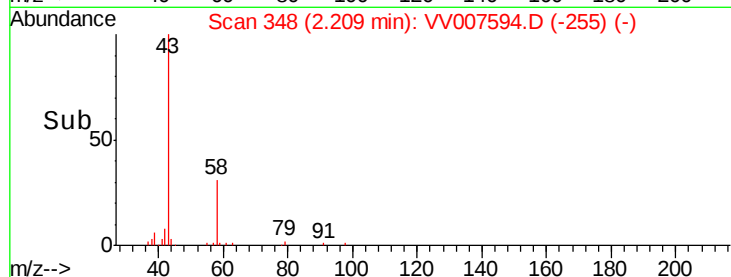
6000

4000

2000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 4.730 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV007594.D

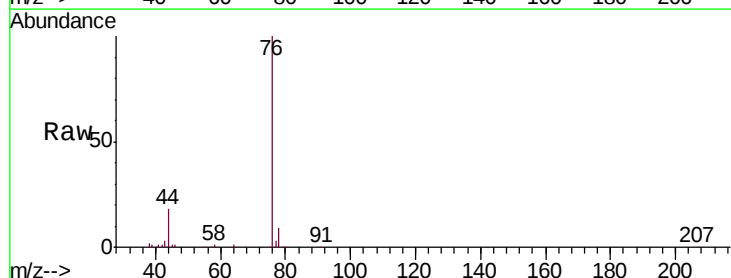
Acq: 17 Sep 2018 18:35

Tgt Ion: 76 Resp: 84941

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007581.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV007581.D (-371) (-)

2.32

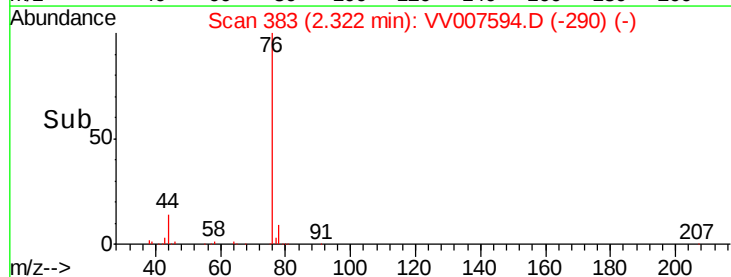
60000

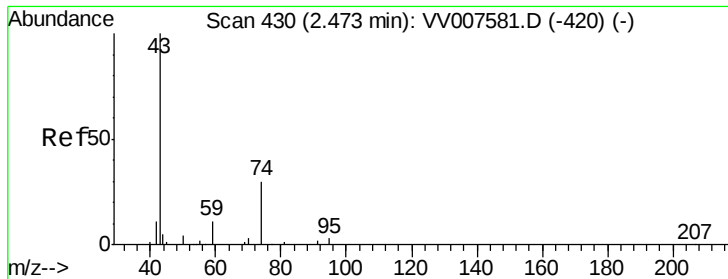
40000

20000

0

Time--> 2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 4.857 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampleId :

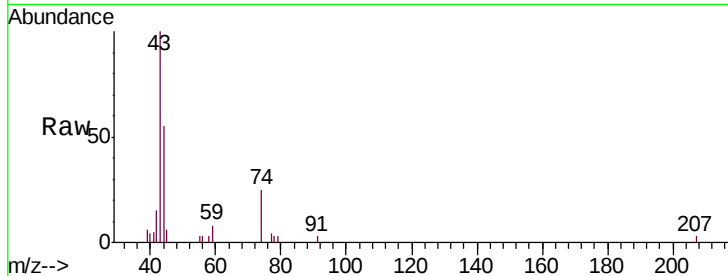
VSTD00566

Tgt Ion: 43 Resp: 7661

Ion Ratio Lower Upper

43 100

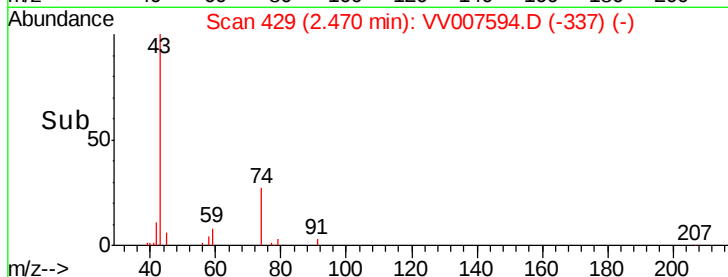
74 30.5 25.4 38.2



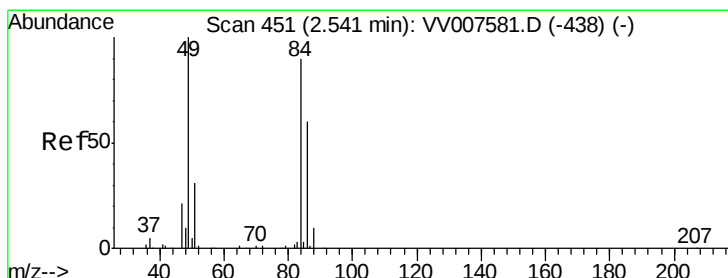
Abundance Ion 43.05 (42.75 to 43.75): VV007581.D (-420) (-)

Ion 74.05 (73.75 to 74.75): VV007581.D (-420) (-)

Time-->



Time-->



#16

Methylene chloride

Concen: 4.842 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

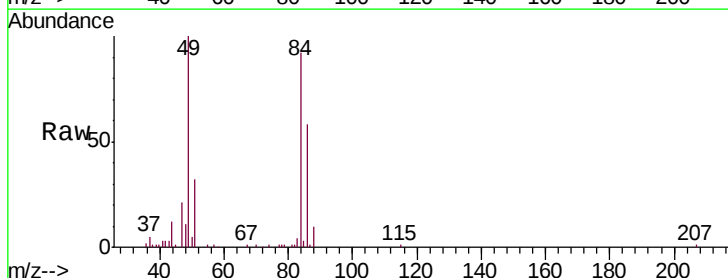
Tgt Ion: 84 Resp: 32122

Ion Ratio Lower Upper

84 100

86 63.5 43.7 81.1

49 108.7 76.8 142.6

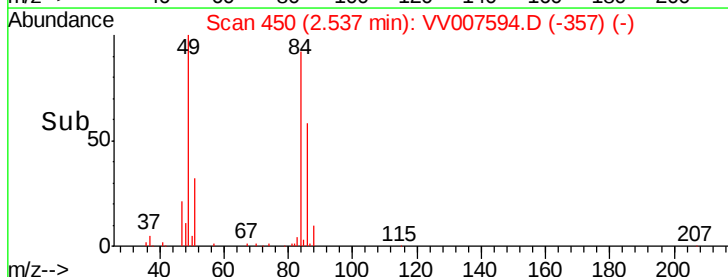


Abundance Ion 84.05 (83.75 to 84.75): VV007581.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV007581.D (-438) (-)

Ion 49.10 (48.80 to 49.80): VV007581.D (-438) (-)

Time-->



Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

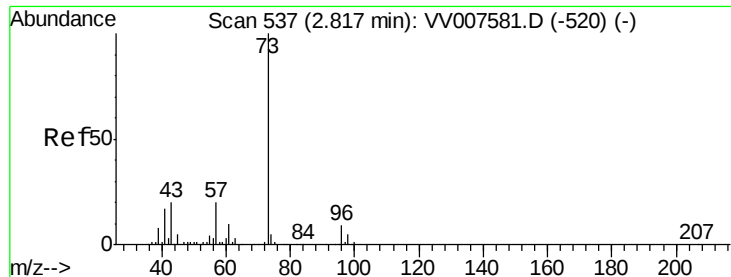
Time-->

Time-->

Time-->

Time-->

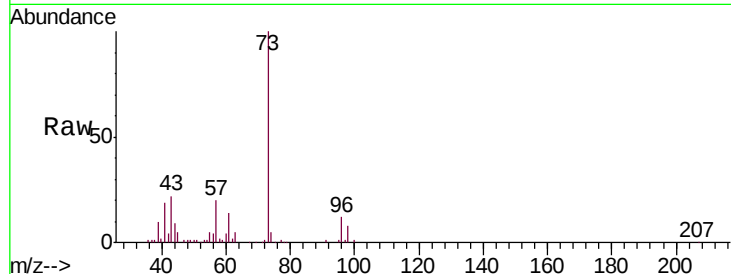
Time-->



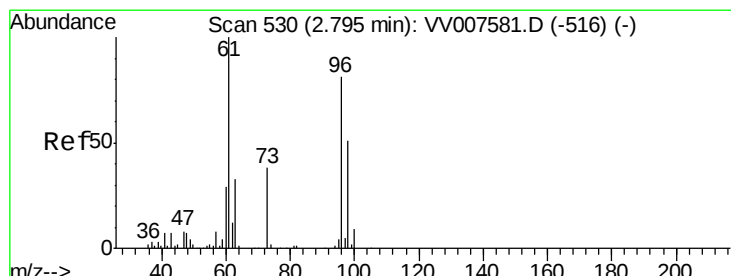
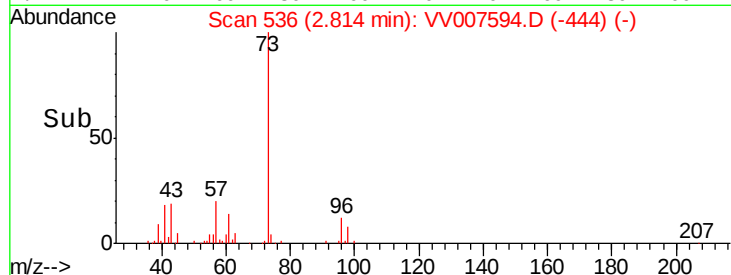
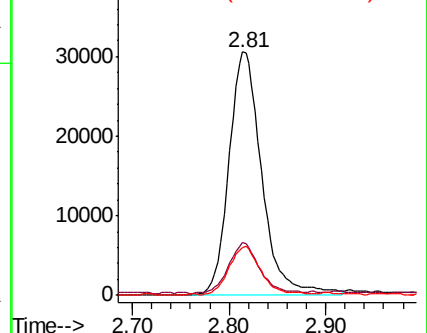
#17
Methyl tert-butyl Ether
Concen: 4.897 ug/L
RT: 2.81 min Scan# 536
Delta R.T. -0.00 min
Lab File: VV007594.D
Acq: 17 Sep 2018 18:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tgt Ion: 73 Resp: 72312
Ion Ratio Lower Upper
73 100
43 19.2 15.8 23.6
57 18.5 15.8 23.6

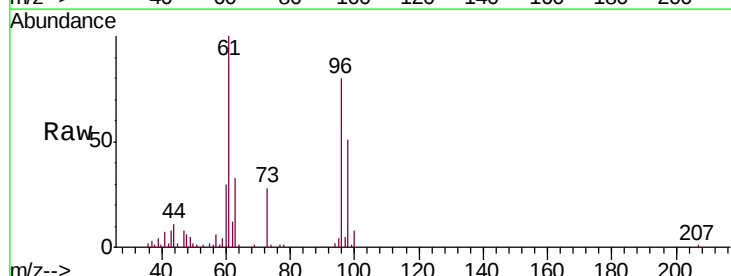


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

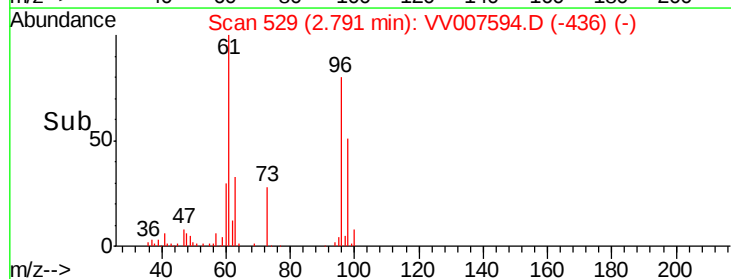
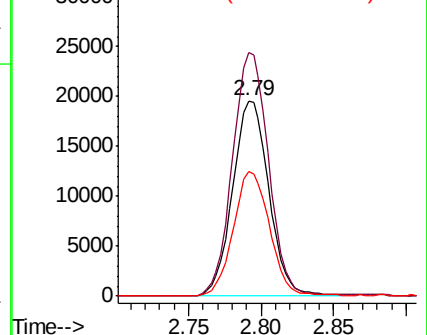


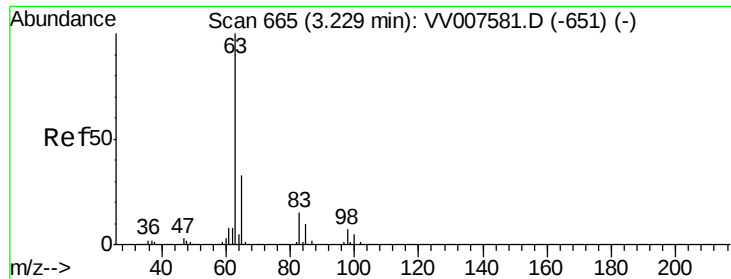
#18
trans-1,2-Dichloroethene
Concen: 5.081 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV007594.D
Acq: 17 Sep 2018 18:35

Tgt Ion: 96 Resp: 33927
Ion Ratio Lower Upper
96 100
61 124.8 86.8 161.2
98 63.7 44.4 82.4



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

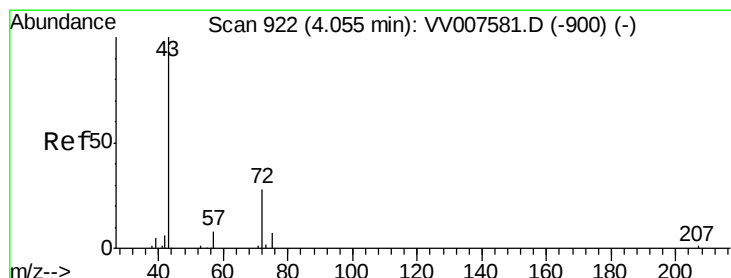
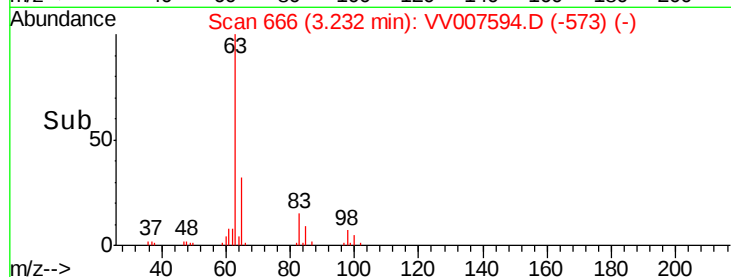
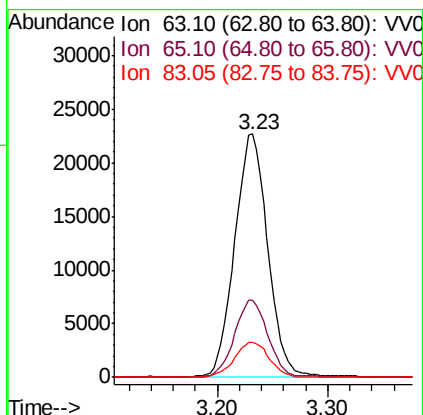
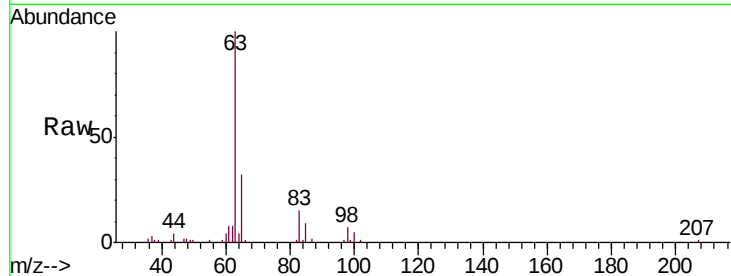




#19
 1,1-Dichloroethane
 Concen: 4.862 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

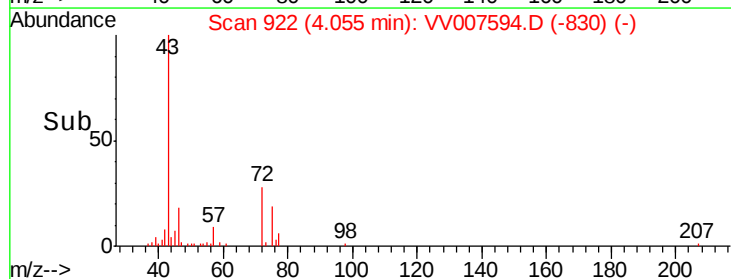
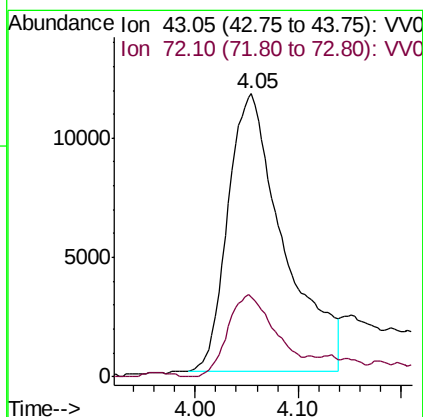
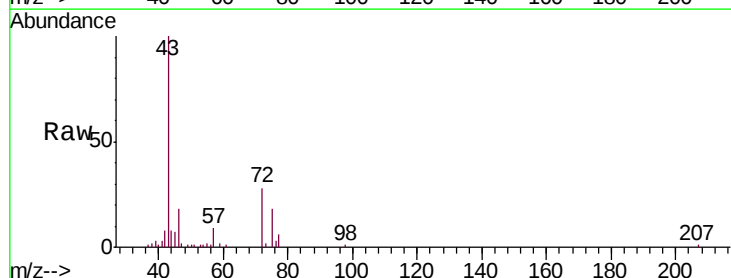
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

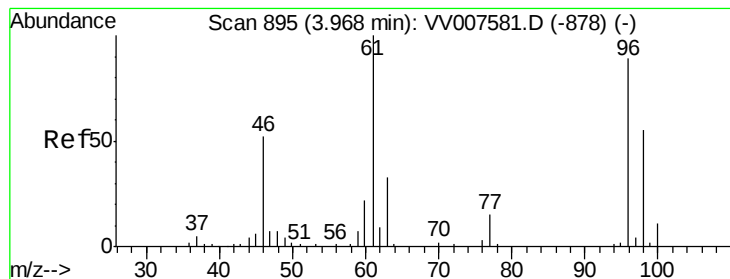
Tgt Ion: 63 Resp: 47335
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.5 41.9
 83 14.6 10.4 19.2



#21
 2-Butanone
 Concen: 45.204 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Tgt Ion: 43 Resp: 43639
 Ion Ratio Lower Upper
 43 100
 72 25.3 14.2 42.6



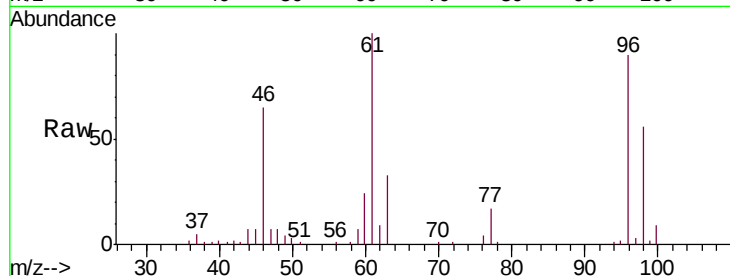


#22

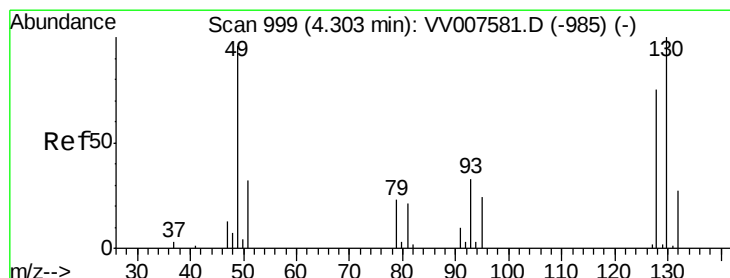
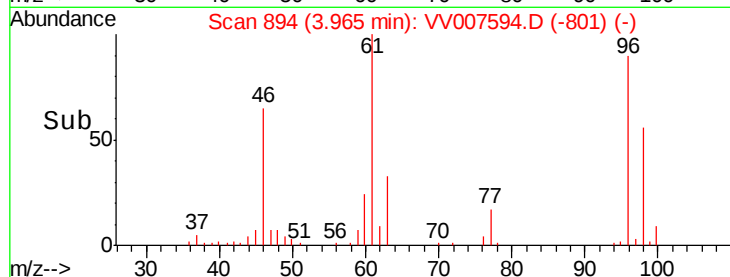
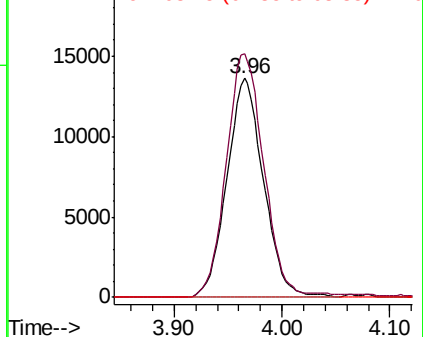
cis-1,2-Dichloroethene
Concen: 4.892 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.00 min
Lab File: VV007594.D
Acq: 17 Sep 2018 18:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tgt Ion: 96 Resp: 32201
Ion Ratio Lower Upper
96 100
61 111.1 85.3 158.5
68 0.0 0.0 0.0



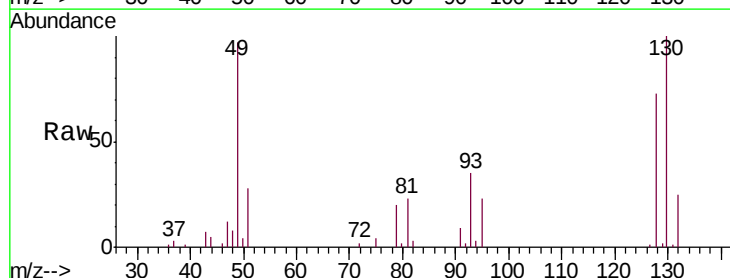
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



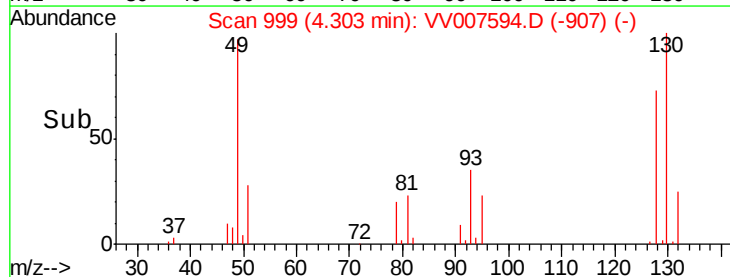
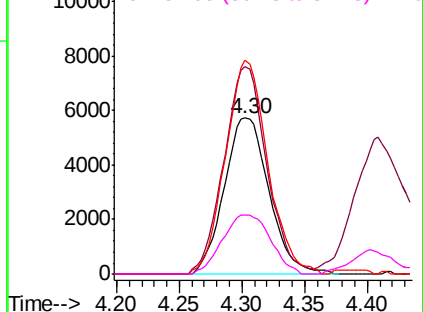
#23

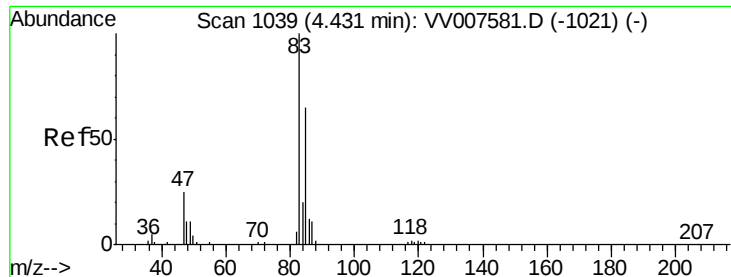
Bromochloromethane
Concen: 4.923 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV007594.D
Acq: 17 Sep 2018 18:35

Tgt Ion: 128 Resp: 14203
Ion Ratio Lower Upper
128 100
49 133.2 89.0 165.2
130 137.3 88.8 165.0
51 37.9 32.2 48.2



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

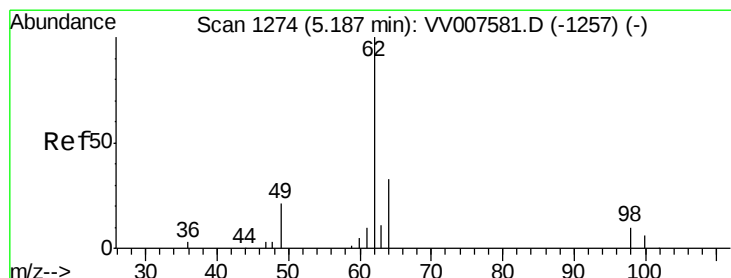
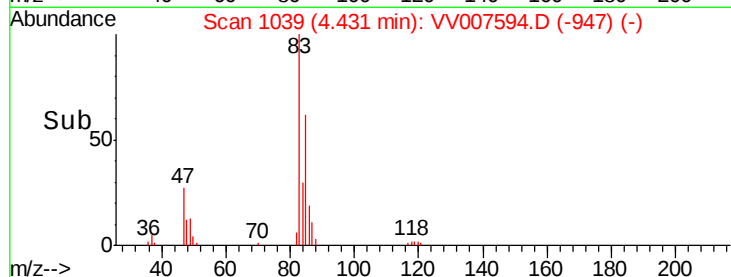
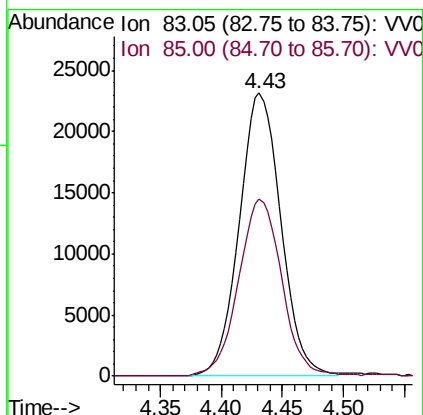
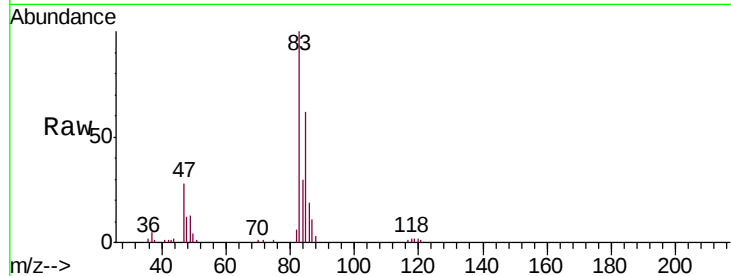




#25
Chloroform
Concen: 4.924 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV007594.D
Acq: 17 Sep 2018 18:35

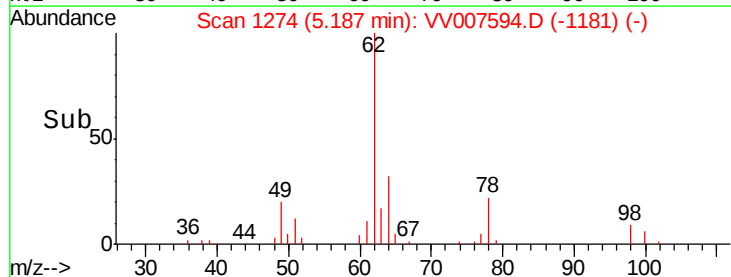
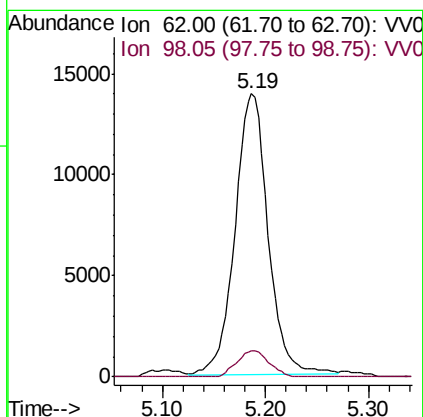
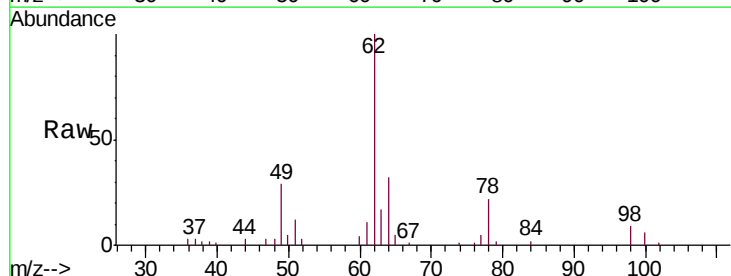
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

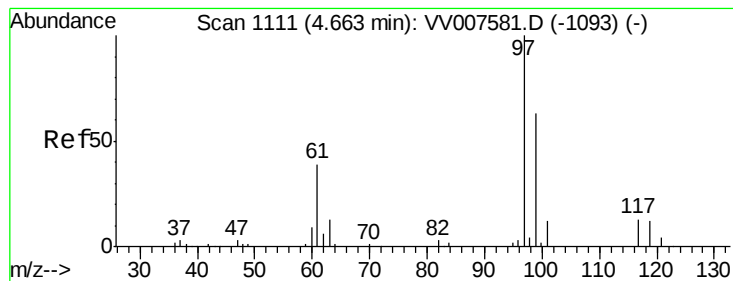
Tgt Ion: 83 Resp: 54781
Ion Ratio Lower Upper
83 100
85 62.5 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.861 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV007594.D
Acq: 17 Sep 2018 18:35

Tgt Ion: 62 Resp: 31138
Ion Ratio Lower Upper
62 100
98 9.1 7.6 11.4





#29

1,1,1-Trichloroethane

Concen: 4.776 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampled :

VSTD00566

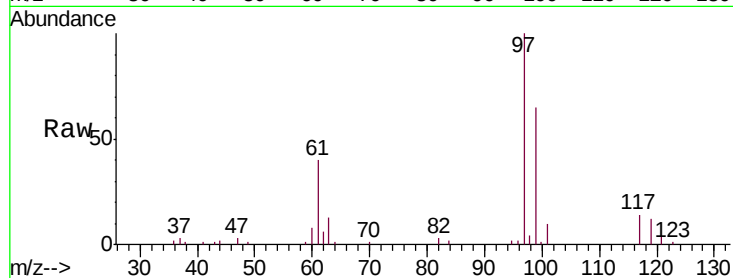
Tgt Ion: 97 Resp: 50870

Ion Ratio Lower Upper

97 100

99 63.2 50.7 76.1

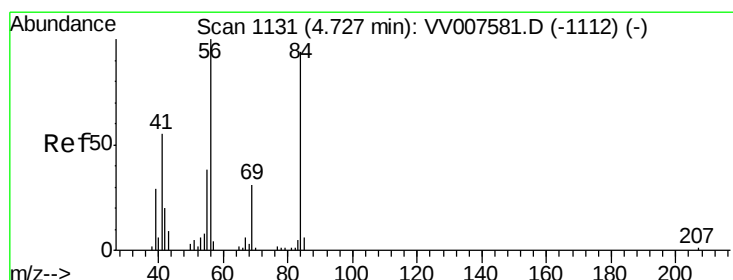
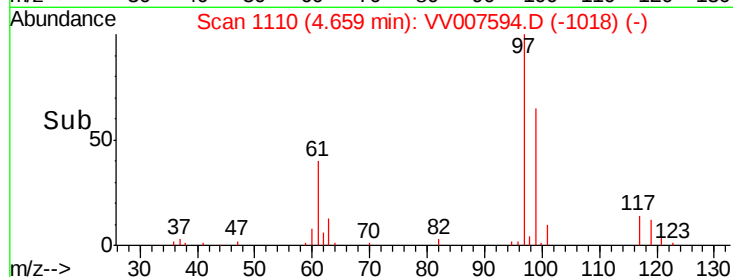
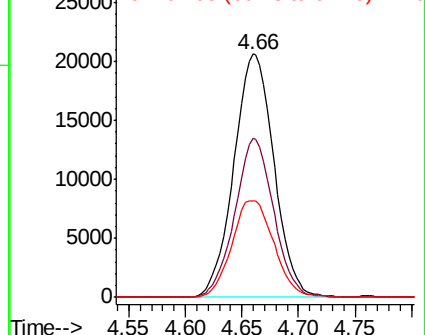
61 41.7 32.5 48.7



Abundance Ion 96.95 (96.65 to 97.65): VV007581.D (-1093) (-)

Ion 99.05 (98.75 to 99.75): VV007581.D (-1093) (-)

Ion 61.05 (60.75 to 61.75): VV007581.D (-1093) (-)



#30

Cyclohexane

Concen: 4.611 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

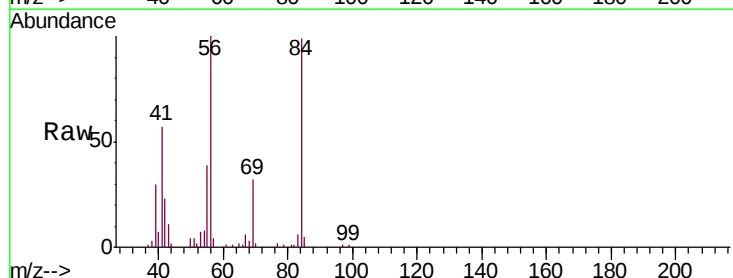
Tgt Ion: 56 Resp: 42824

Ion Ratio Lower Upper

56 100

69 31.9 26.1 39.1

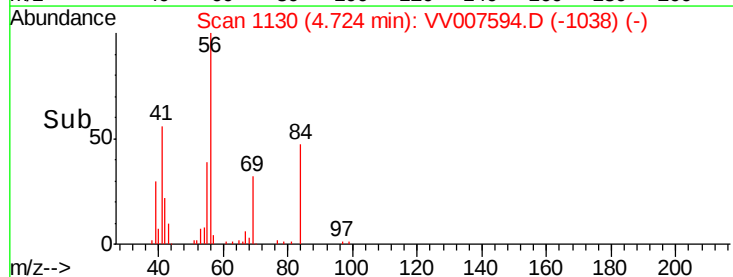
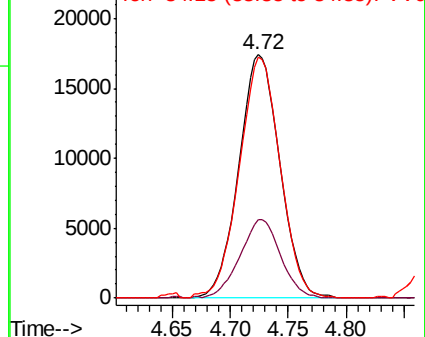
84 98.6 78.0 117.0

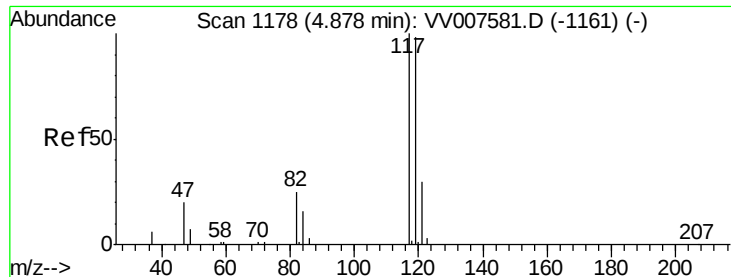


Abundance Ion 56.10 (55.80 to 56.80): VV007581.D (-1112) (-)

Ion 69.15 (68.85 to 69.85): VV007581.D (-1112) (-)

Ion 84.15 (83.85 to 84.85): VV007581.D (-1112) (-)





#31

Carbon tetrachloride

Concen: 4.742 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampleId :

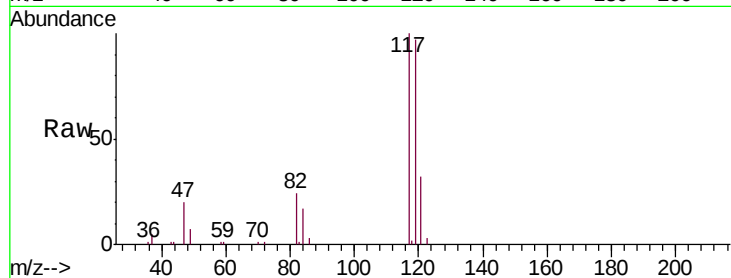
VSTD00566

Tgt Ion:117 Resp: 47398

Ion Ratio Lower Upper

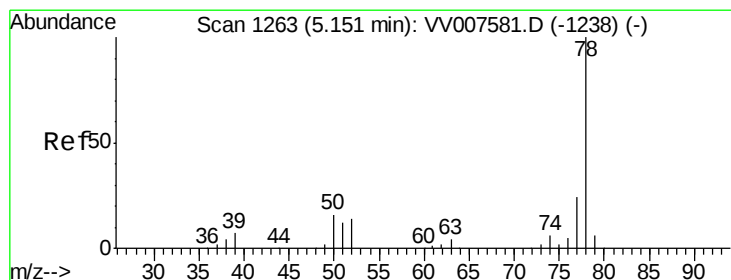
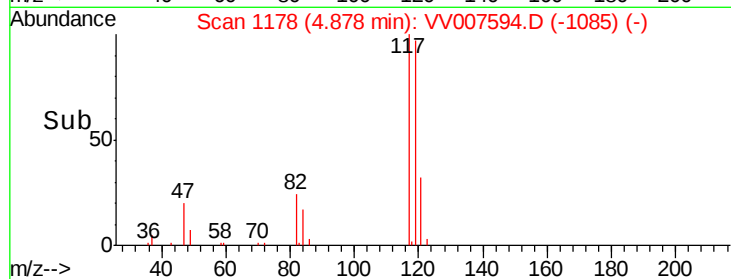
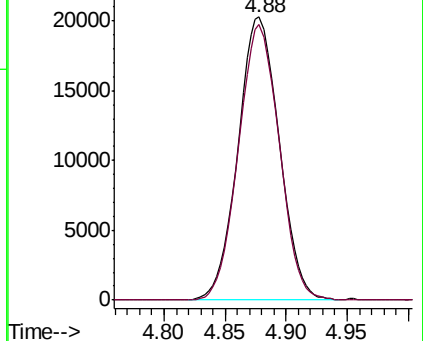
117 100

119 96.0 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.896 ug/L

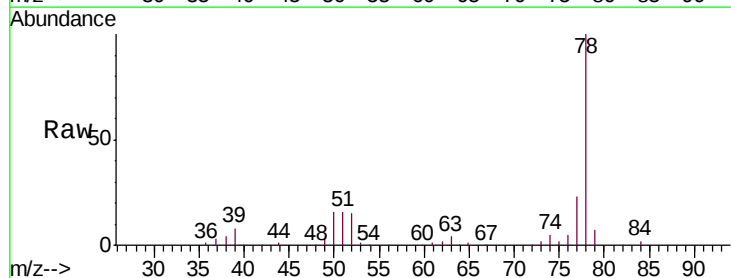
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

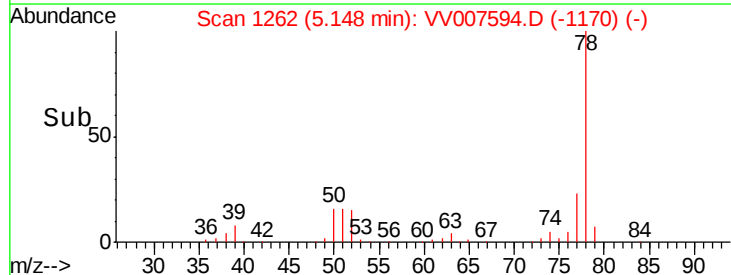
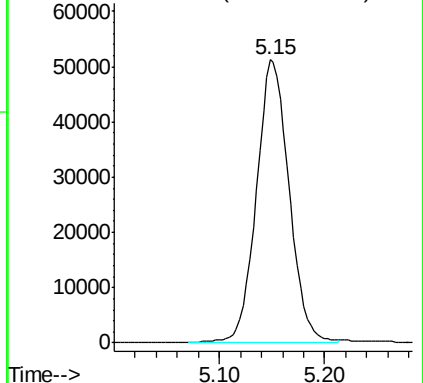
Lab File: VV007594.D

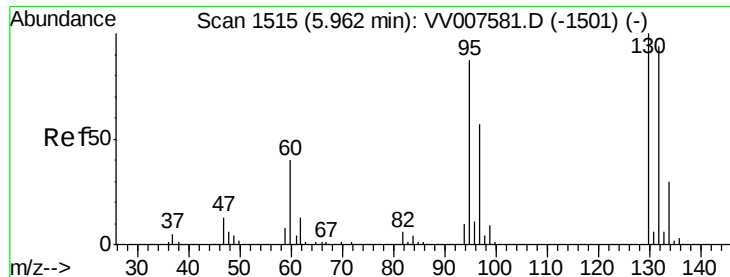
Acq: 17 Sep 2018 18:35

Tgt Ion: 78 Resp: 110723



Abundance Ion 78.10 (77.80 to 78.80): VV0

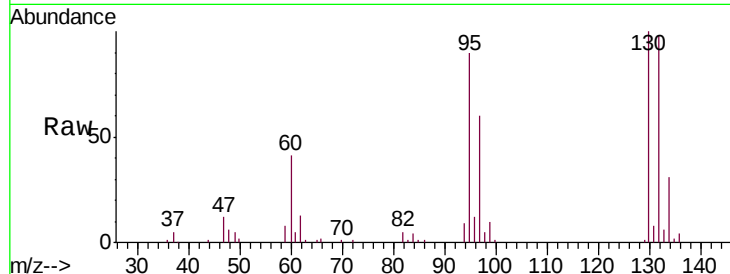




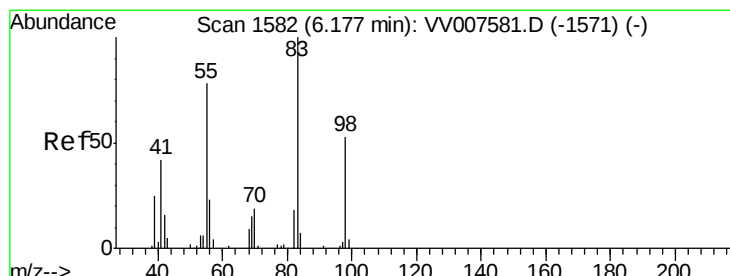
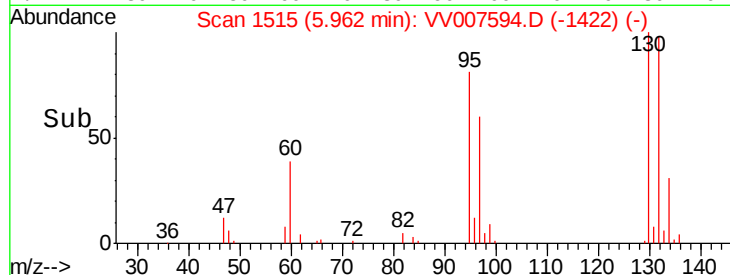
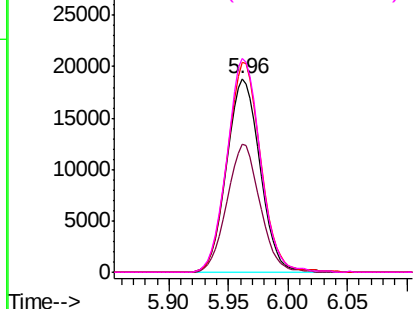
#34
 Trichloroethene
 Concen: 5.294 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tgt Ion: 95 Resp: 36722
 Ion Ratio Lower Upper
 95 100
 97 66.0 45.5 84.5
 132 108.6 74.9 139.1
 130 110.5 80.0 148.6

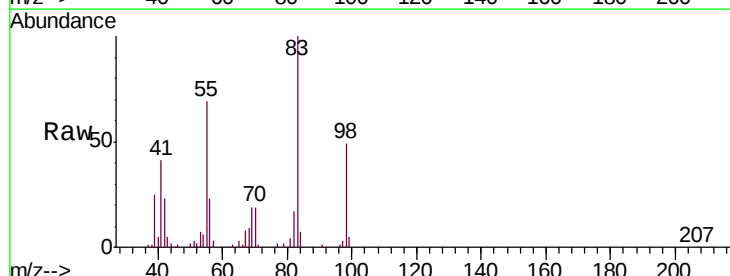


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

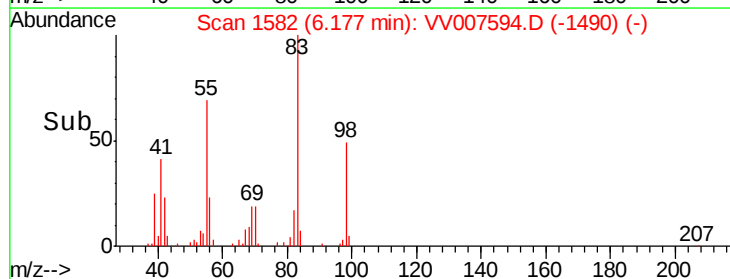
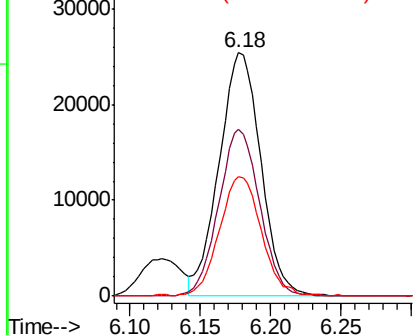


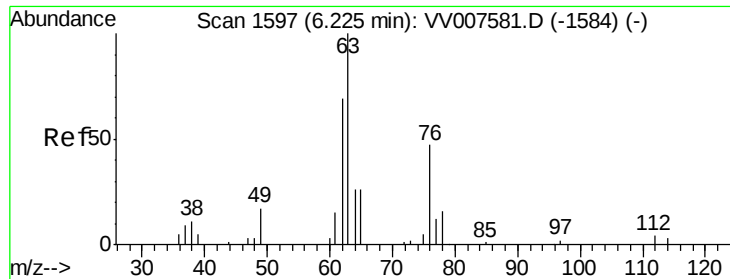
#35
 Methylcyclohexane
 Concen: 4.908 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Tgt Ion: 83 Resp: 52569
 Ion Ratio Lower Upper
 83 100
 55 67.6 55.0 82.4
 98 49.3 37.6 56.4



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

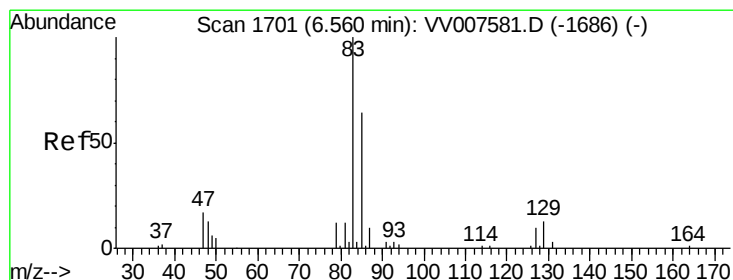
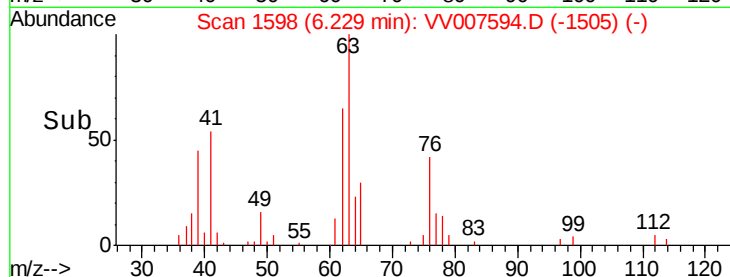
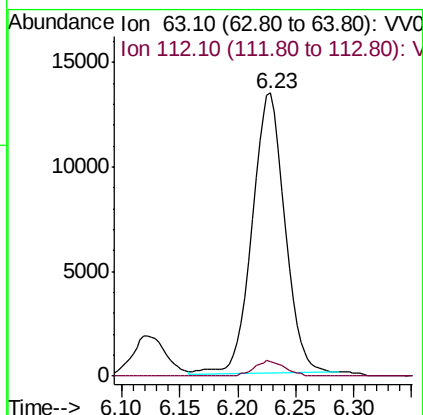
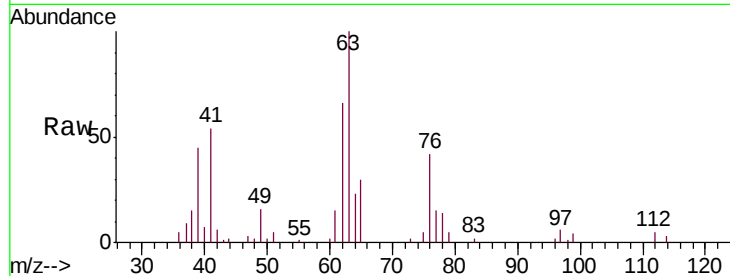




#37
 1,2-Dichloropropane
 Concen: 4.763 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

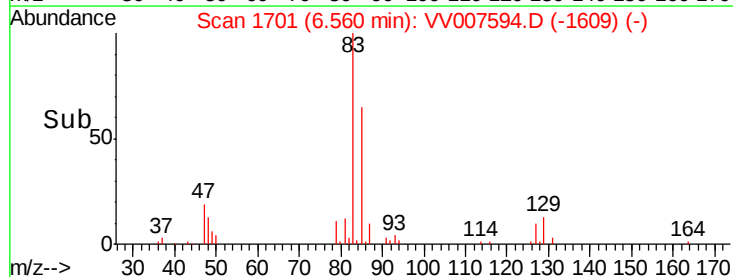
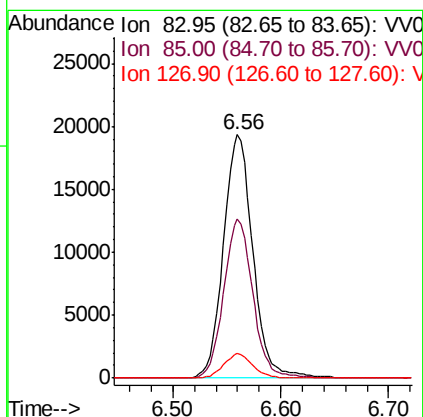
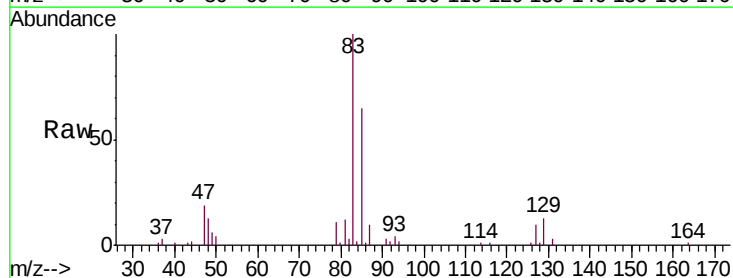
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

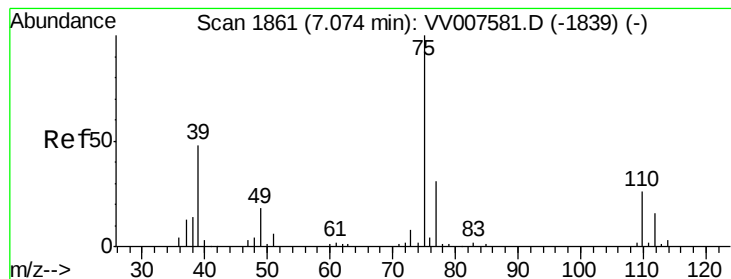
Tgt Ion: 63 Resp: 26545
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.542 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. -0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Tgt Ion: 83 Resp: 36712
 Ion Ratio Lower Upper
 83 100
 85 65.2 46.4 86.2
 127 10.2 8.4 12.6



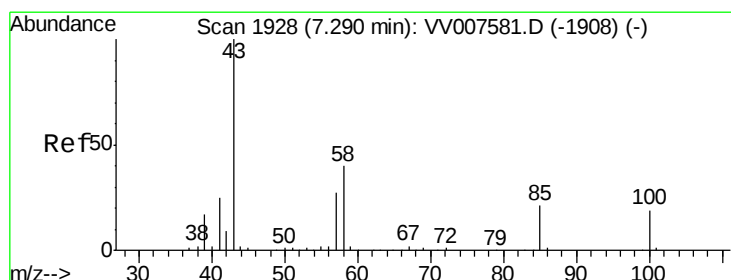
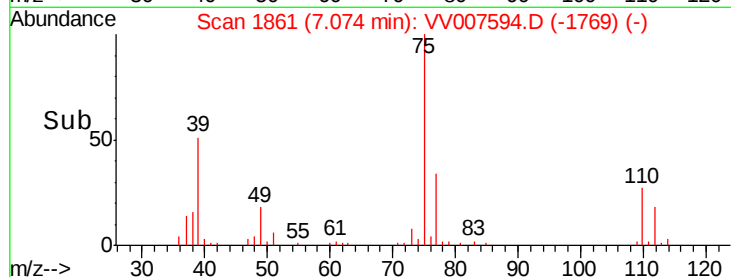
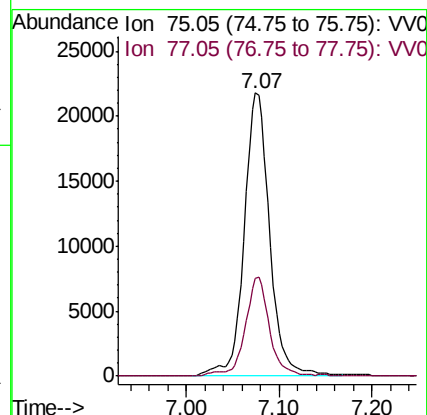
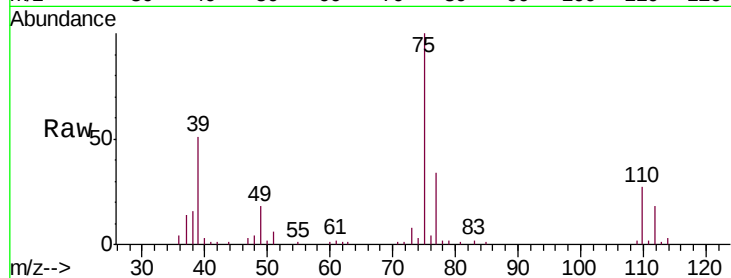


#39

cis-1,3-Dichloropropene
 Concen: 4.684 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

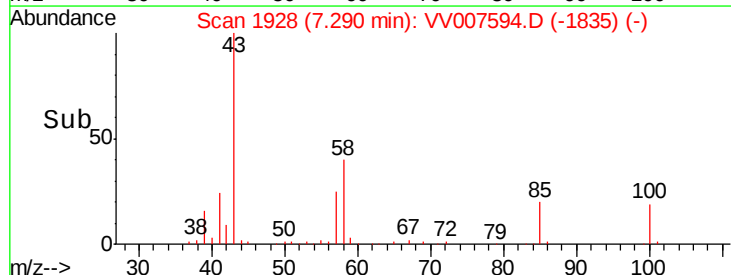
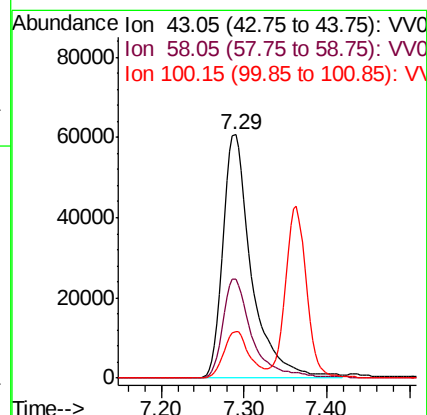
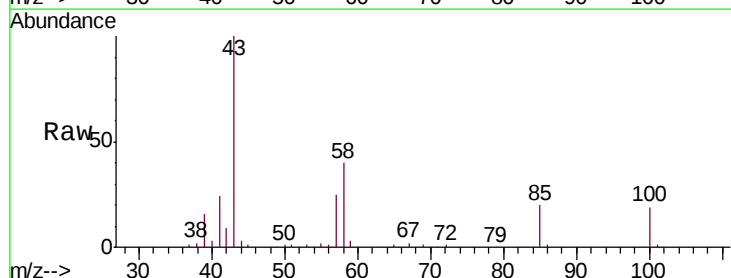
Tgt Ion: 75 Resp: 41507
 Ion Ratio Lower Upper
 75 100
 77 34.5 22.0 41.0

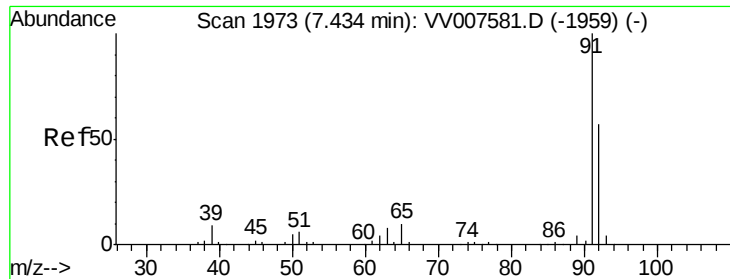


#40

4-Methyl-2-pentanone
 Concen: 47.255 ug/L
 RT: 7.29 min Scan# 1928
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Tgt Ion: 43 Resp: 145400
 Ion Ratio Lower Upper
 43 100
 58 41.7 32.6 49.0
 100 16.9 13.5 20.3





#42

Toluene

Concen: 4.889 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampleId :

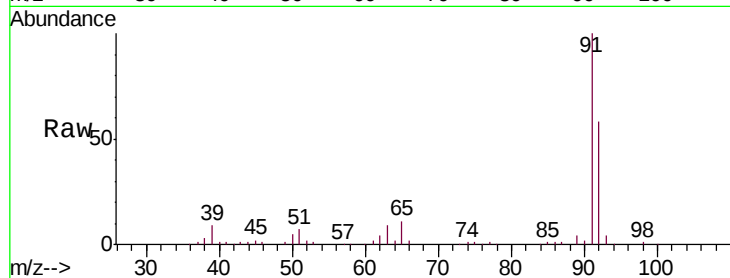
VSTD00566

Tgt Ion: 91 Resp: 127735

Ion Ratio Lower Upper

91 100

92 57.6 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV007581.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV007581.D (-1959) (-)

7.43

80000

60000

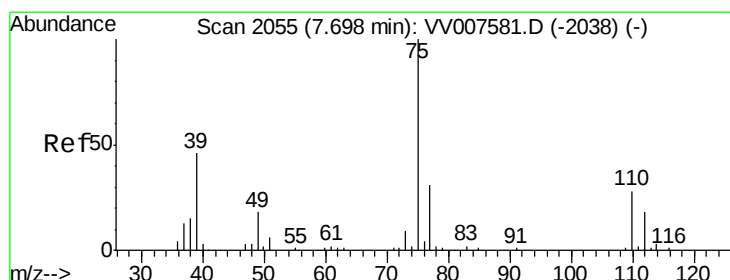
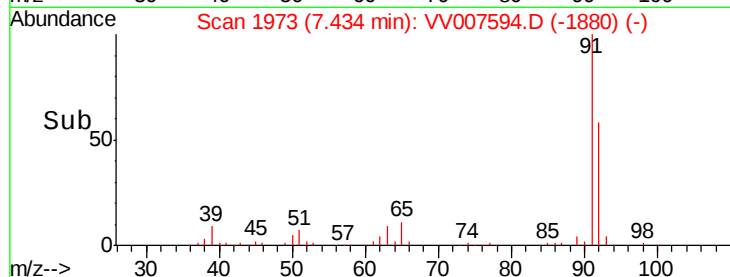
40000

20000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.443 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007594.D

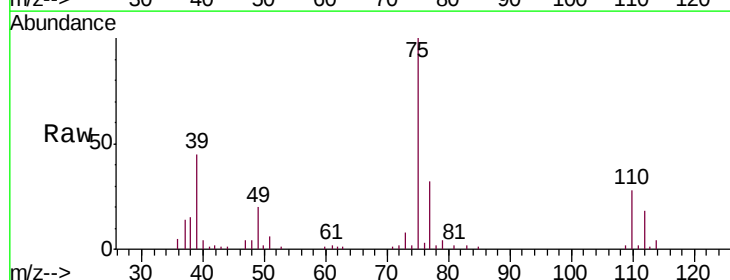
Acq: 17 Sep 2018 18:35

Tgt Ion: 75 Resp: 32382

Ion Ratio Lower Upper

75 100

77 31.5 23.4 43.4



Abundance Ion 75.05 (74.75 to 75.75): VV007581.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV007581.D (-2038) (-)

7.70

20000

15000

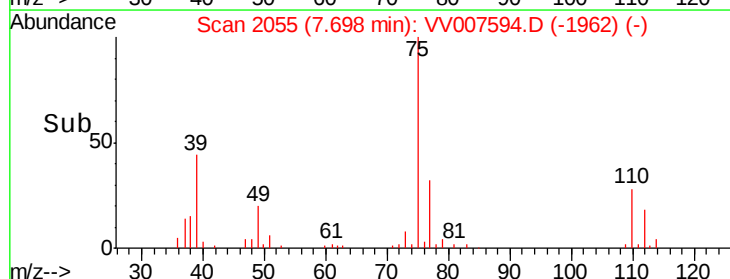
10000

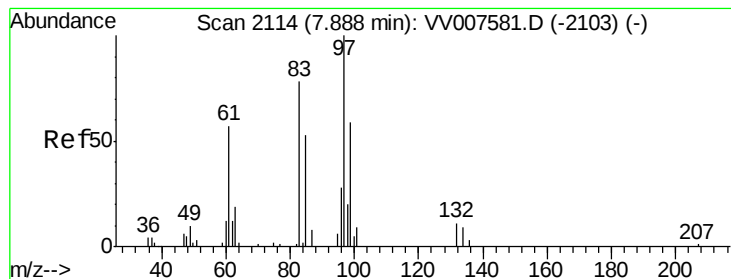
5000

0

7.60 7.70 7.80

Time-->





#45

1,1,2-Trichloroethane

Concen: 4.992 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

Tgt Ion: 97 Resp: 20774

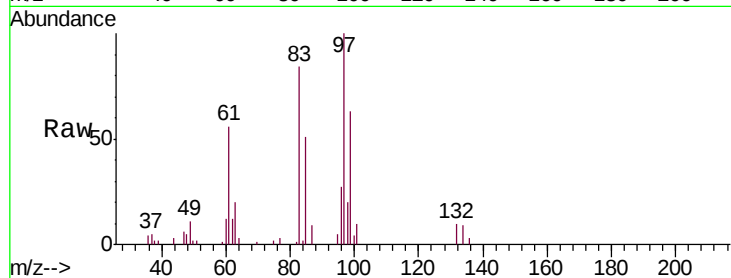
Ion Ratio Lower Upper

97 100

99 62.7 42.9 79.7

83 83.7 58.1 107.9

85 50.8 38.3 71.1

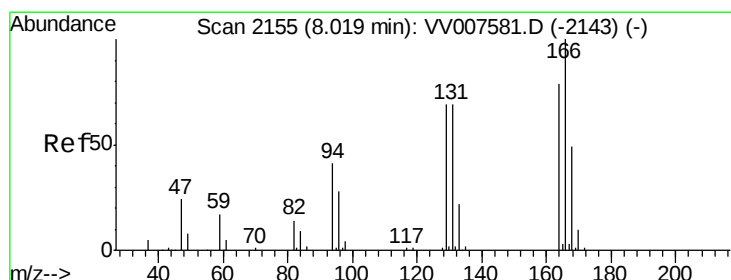
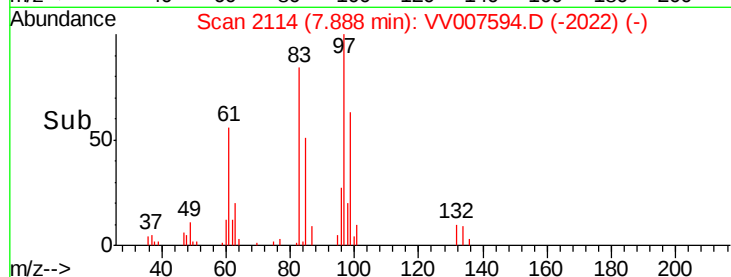
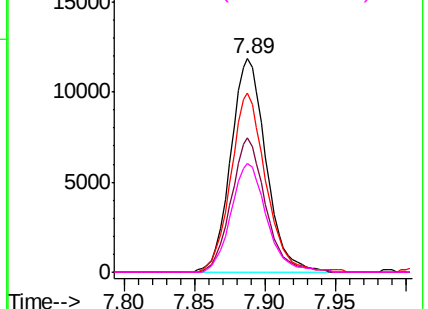


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.096 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Tgt Ion: 164 Resp: 31737

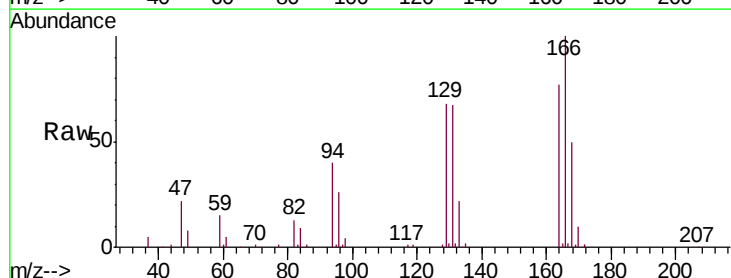
Ion Ratio Lower Upper

164 100

129 87.9 61.9 115.1

131 86.7 62.1 115.3

166 129.4 90.4 167.8

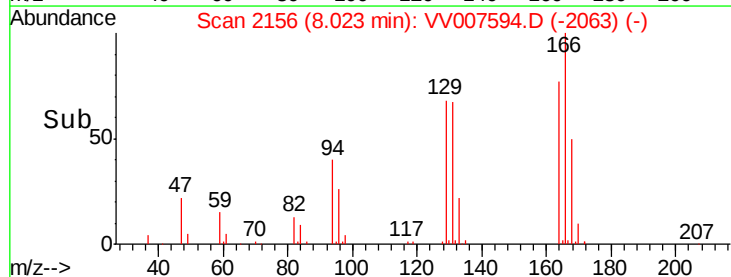
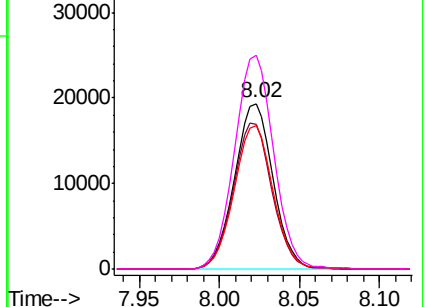


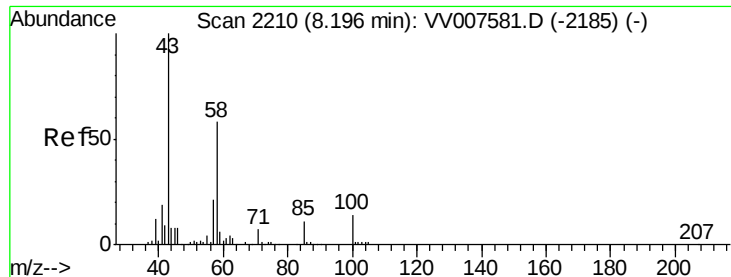
Abundance Ion 163.90 (163.60 to 164.60): V

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

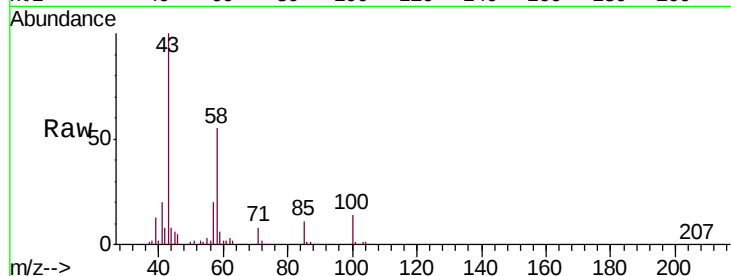




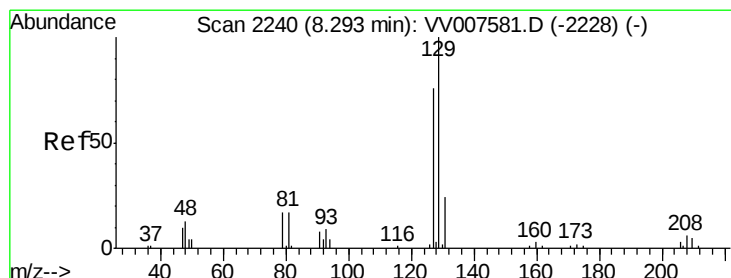
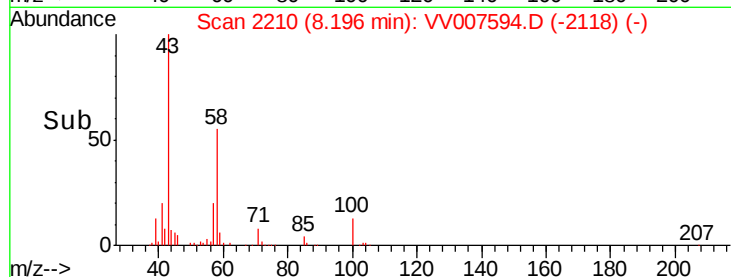
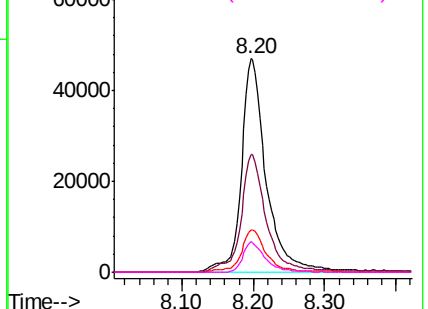
#48
2-Hexanone
Concen: 48.756 ug/L
RT: 8.20 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VV007594.D
Acq: 17 Sep 2018 18:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tgt Ion: 43 Resp: 113894
Ion Ratio Lower Upper
43 100
58 57.3 49.8 74.6
57 20.2 18.2 27.4
100 12.9 11.0 16.4

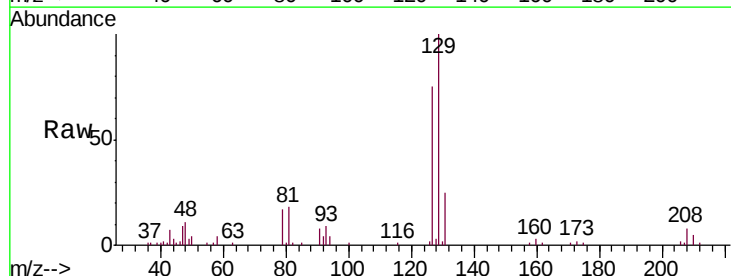


Abundance Ion 43.05 (42.75 to 43.75): VV007581.D (-2185) (-)
Ion 58.05 (57.75 to 58.75): VV007581.D (-2185) (-)
Ion 57.20 (56.90 to 57.90): VV007581.D (-2185) (-)
Ion 100.15 (99.85 to 100.85): VV007581.D (-2185) (-)

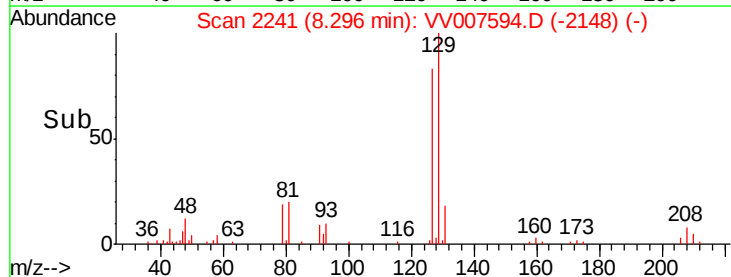
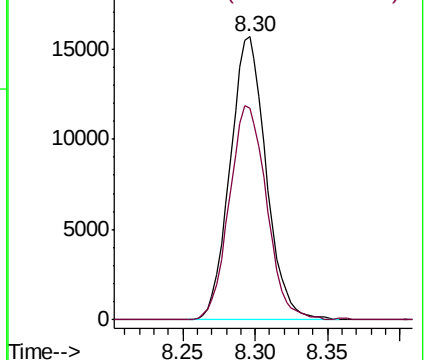


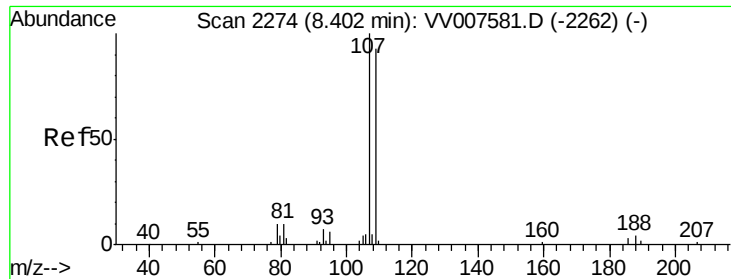
#49
Dibromochloromethane
Concen: 4.568 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007594.D
Acq: 17 Sep 2018 18:35

Tgt Ion: 129 Resp: 27060
Ion Ratio Lower Upper
129 100
127 74.9 53.8 100.0



Abundance Ion 128.95 (128.65 to 129.65): VV007581.D (-2228) (-)
Ion 126.90 (126.60 to 127.60): VV007581.D (-2228) (-)

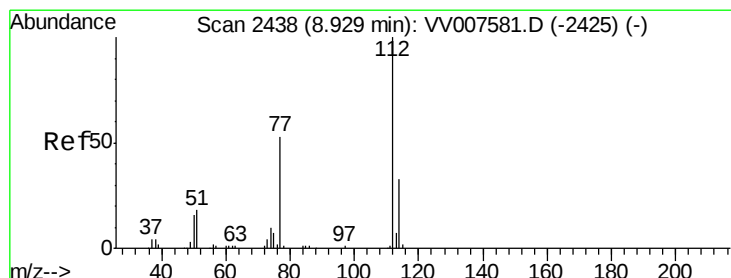
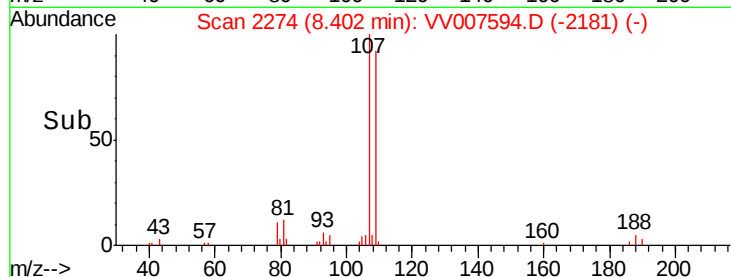
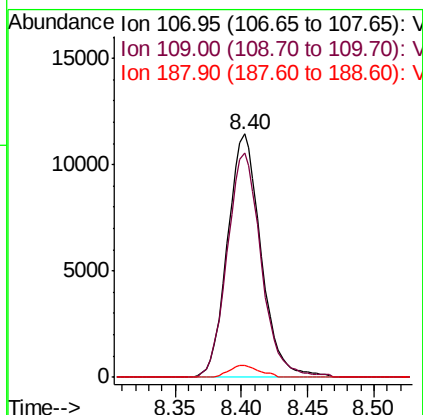
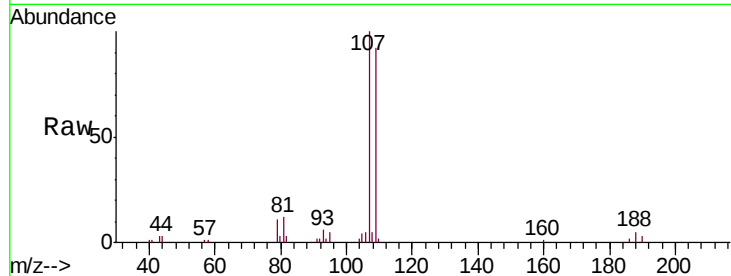




#50
 1,2-Dibromoethane
 Concen: 4.980 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

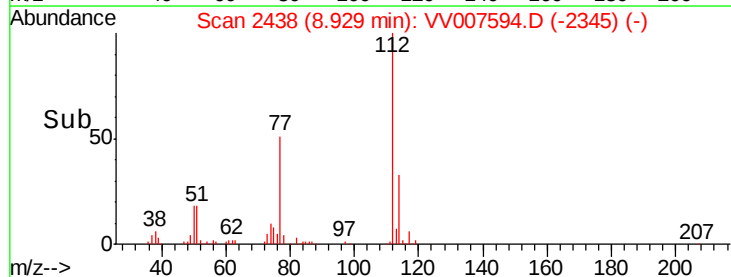
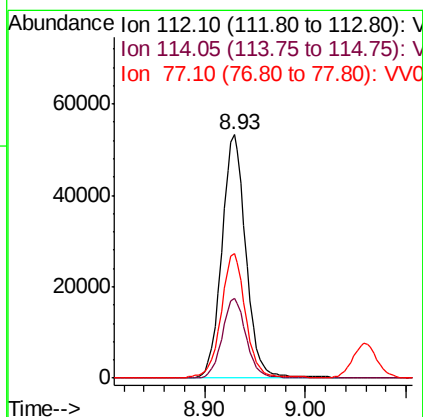
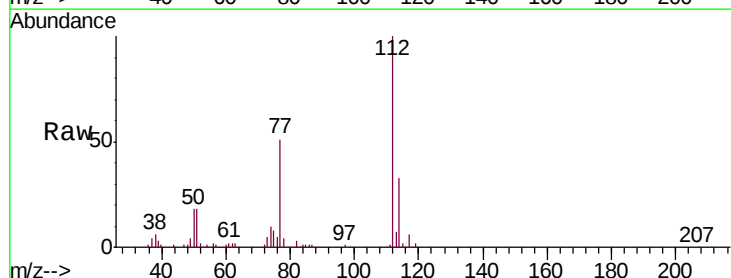
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

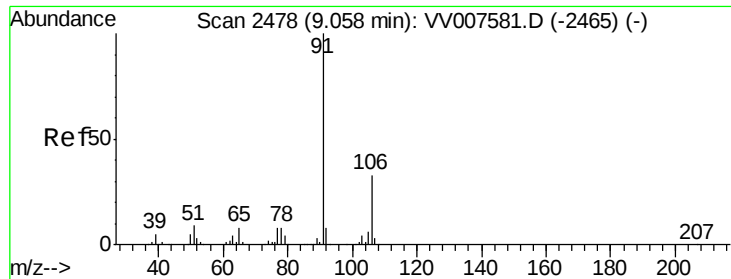
Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.0	66.0	122.6
188	5.0	3.3	4.9#



#51
 Chlorobenzene
 Concen: 5.066 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.8	42.4
77	51.2	43.2	64.8





#52

Ethylbenzene

Concen: 4.950 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampleId :

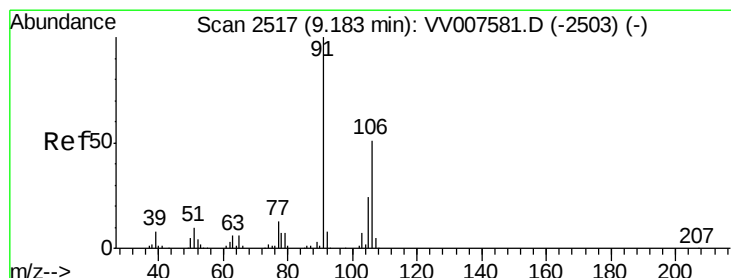
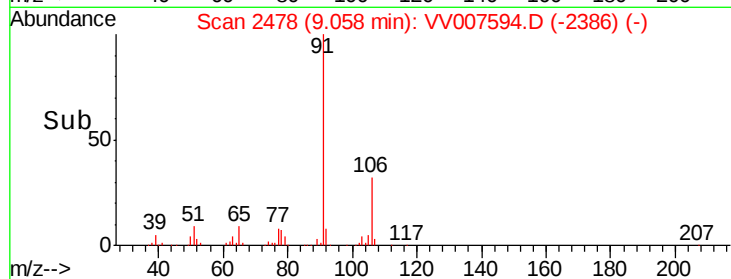
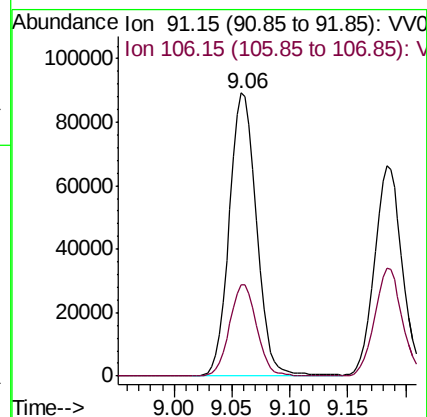
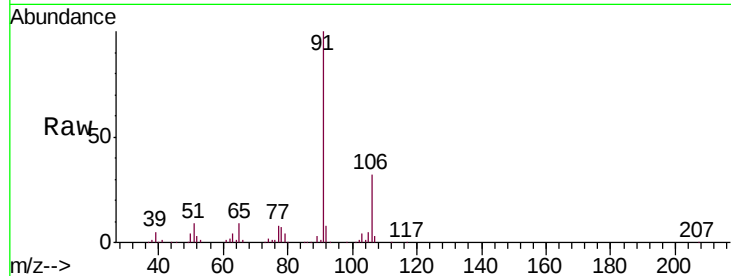
VSTD00566

Tgt Ion: 91 Resp: 145668

Ion Ratio Lower Upper

91 100

106 32.3 22.0 41.0



#53

m,p-xylene

Concen: 5.044 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV007594.D

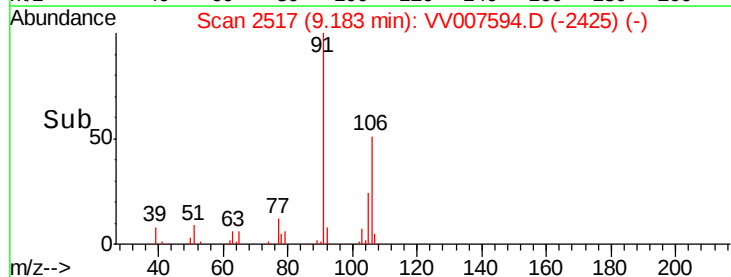
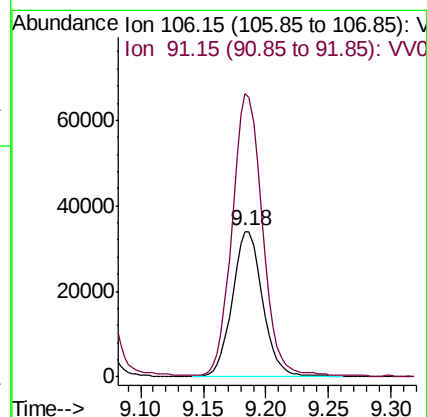
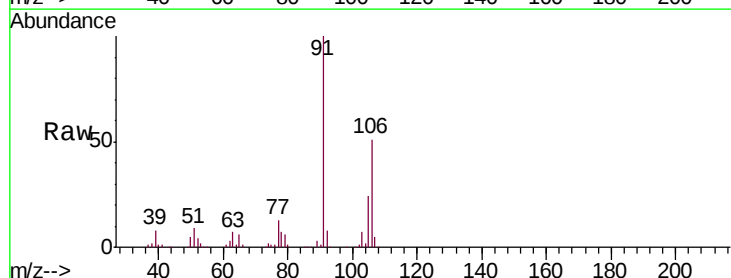
Acq: 17 Sep 2018 18:35

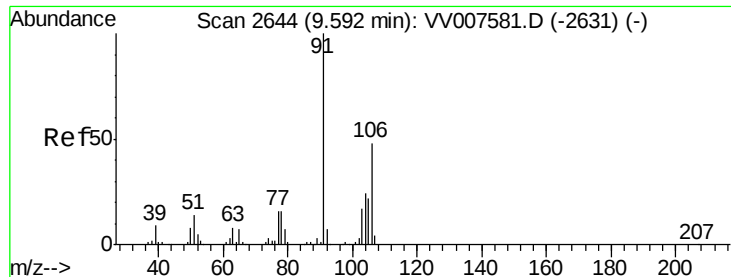
Tgt Ion: 106 Resp: 57513

Ion Ratio Lower Upper

106 100

91 194.4 137.2 254.8

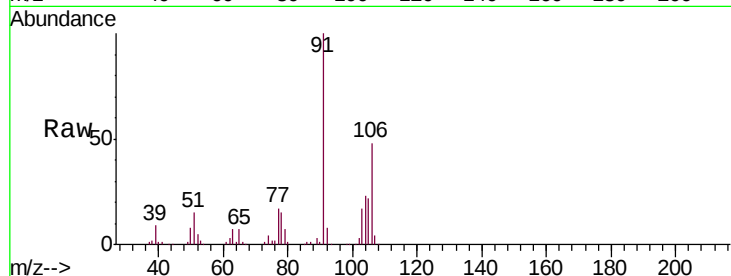




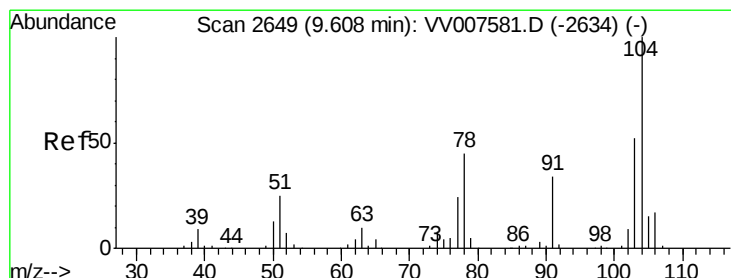
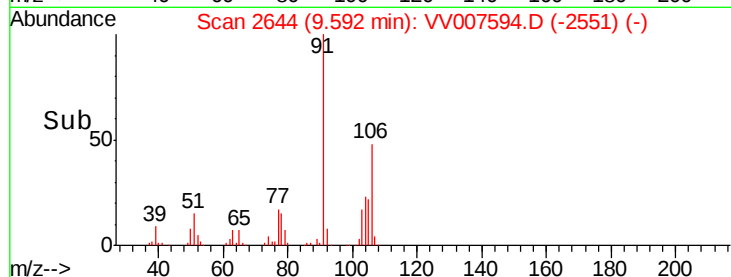
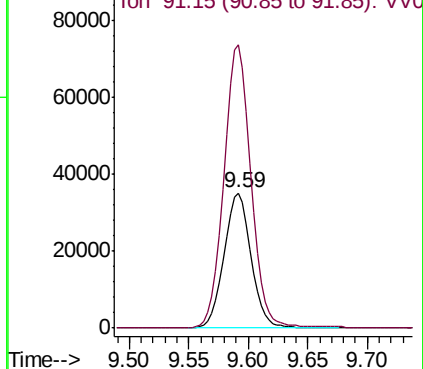
#54
o-xylene
Concen: 4.975 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007594.D
Acq: 17 Sep 2018 18:35

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tgt Ion:106 Resp: 55547
Ion Ratio Lower Upper
106 100
91 209.1 147.6 274.0

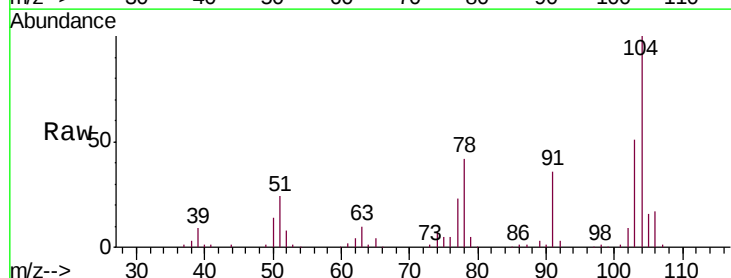


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

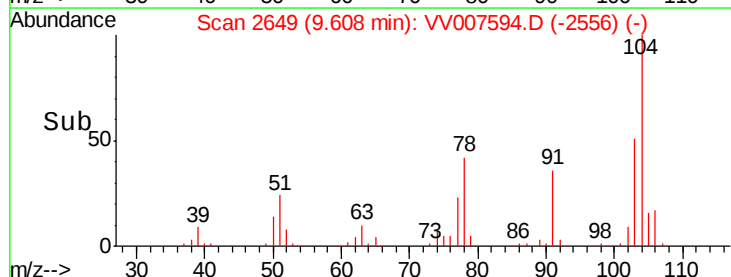
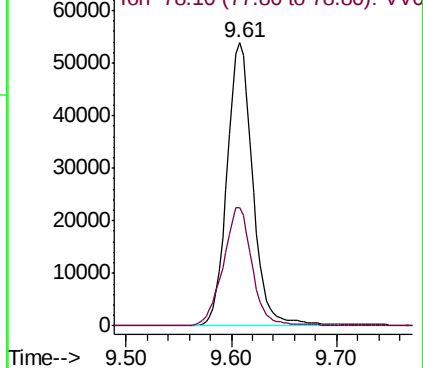


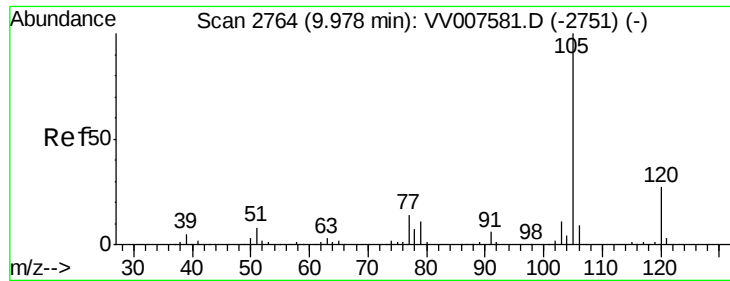
#55
Styrene
Concen: 5.011 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007594.D
Acq: 17 Sep 2018 18:35

Tgt Ion:104 Resp: 91153
Ion Ratio Lower Upper
104 100
78 42.0 29.5 54.7



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





#56

Isopropylbenzene

Concen: 4.977 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

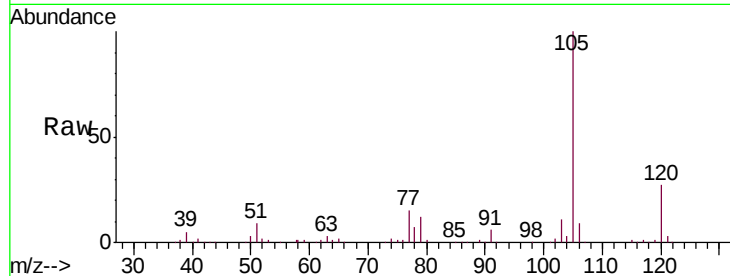
Tgt Ion: 105 Resp: 150883

Ion Ratio Lower Upper

105 100

120 27.2 22.2 33.2

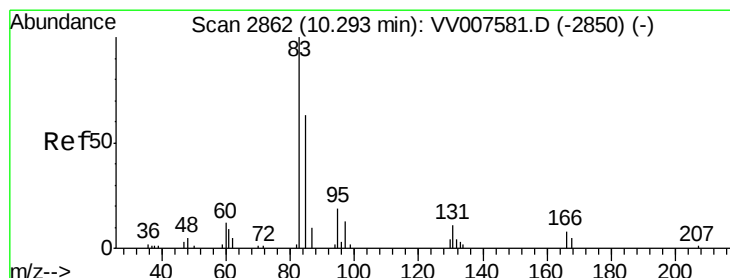
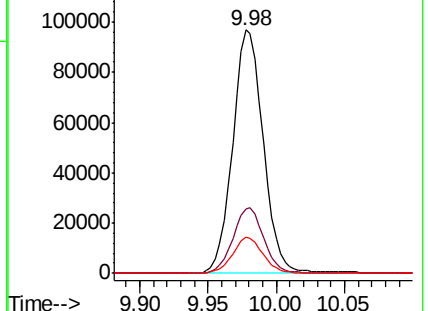
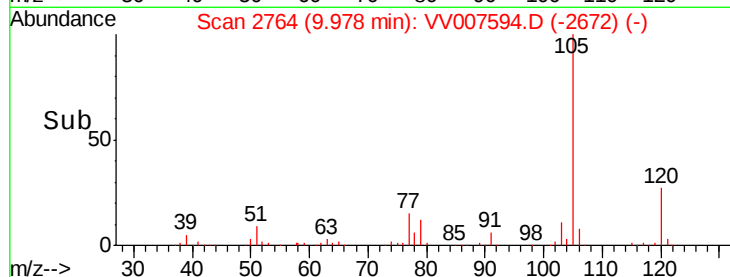
77 14.8 12.2 18.4



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: 4.443 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

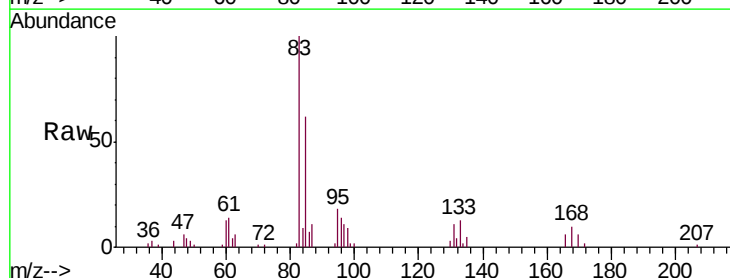
Tgt Ion: 83 Resp: 18113

Ion Ratio Lower Upper

83 100

85 61.8 43.6 81.0

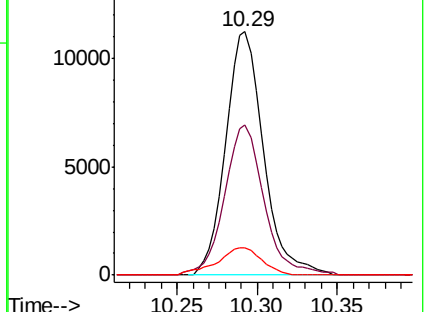
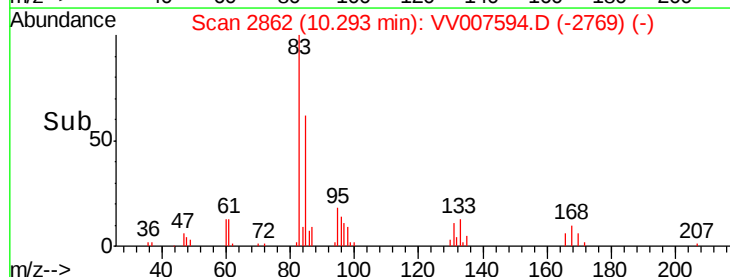
131 11.1 9.2 13.8

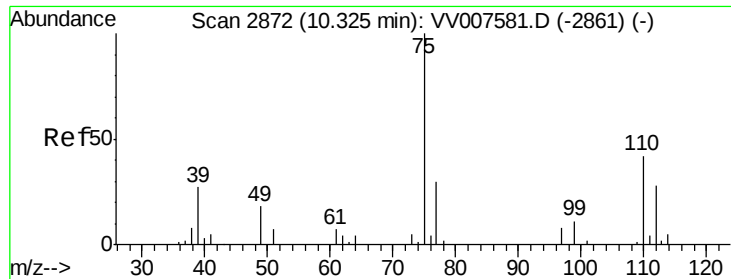


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

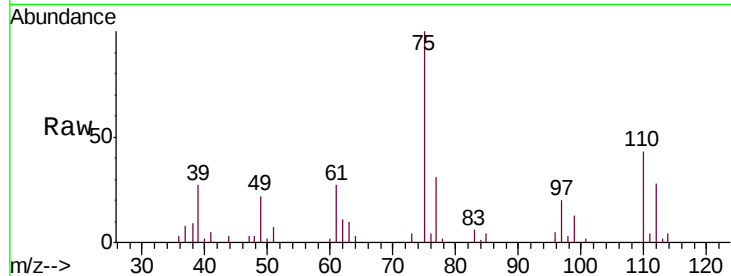




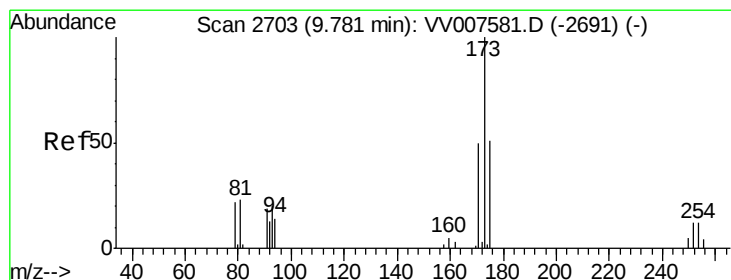
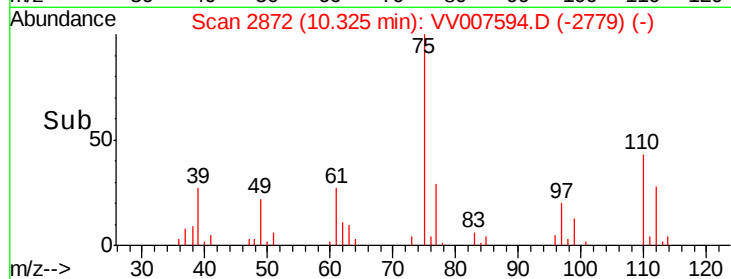
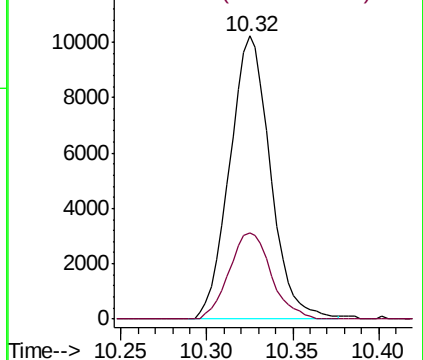
#59
 1,2,3-Trichloropropane
 Concen: 4.925 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tgt Ion: 75 Resp: 16783
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.0 37.6

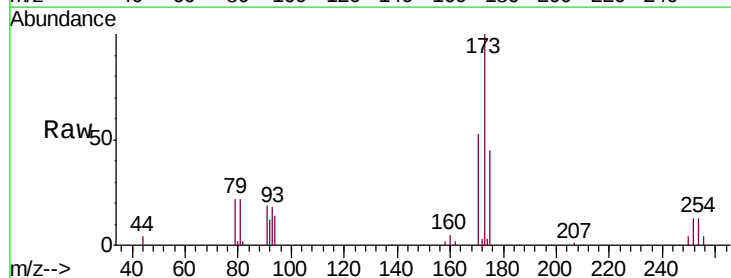


Abundance Ion 75.00 (74.70 to 75.70): VV007581.D (-2861) (-)
 Ion 77.00 (76.70 to 77.70): VV007581.D (-2861) (-)

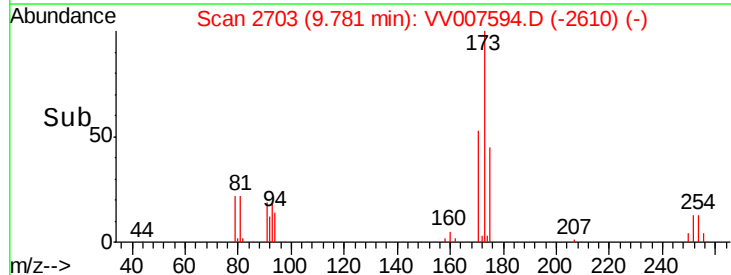
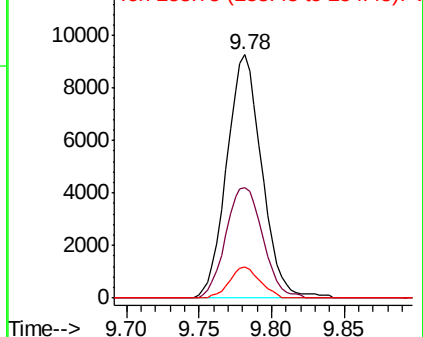


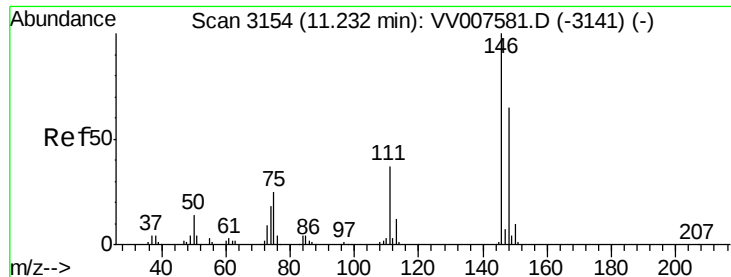
#61
 Bromoform
 Concen: 4.228 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Tgt Ion: 173 Resp: 15554
 Ion Ratio Lower Upper
 173 100
 175 47.8 37.9 56.9
 254 11.1 8.8 13.2



Abundance Ion 172.90 (172.60 to 173.60): VV007581.D (-2691) (-)
 Ion 174.90 (174.60 to 175.60): VV007581.D (-2691) (-)
 Ion 253.75 (253.45 to 254.45): VV007581.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 5.033 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

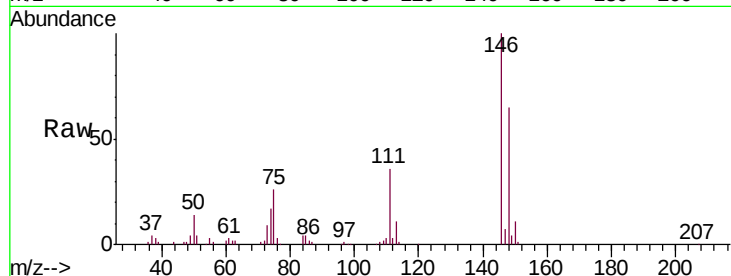
Tgt Ion:146 Resp: 78805

Ion Ratio Lower Upper

146 100

111 36.1 25.3 47.1

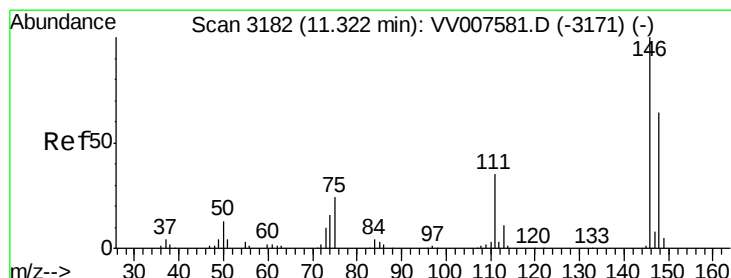
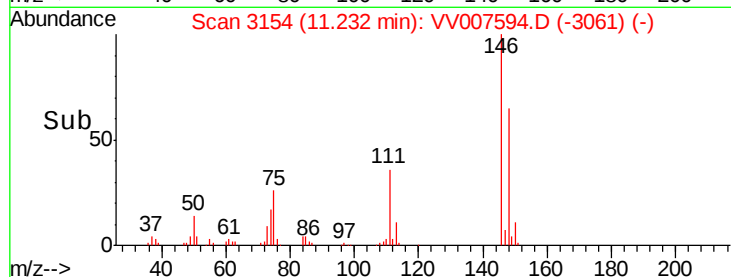
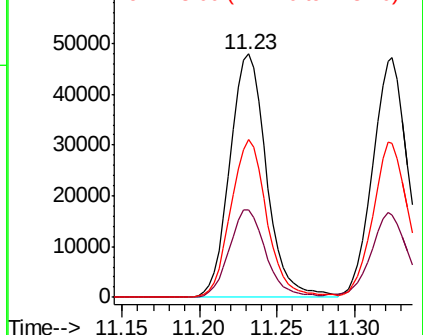
148 64.7 44.6 82.8



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: 4.944 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

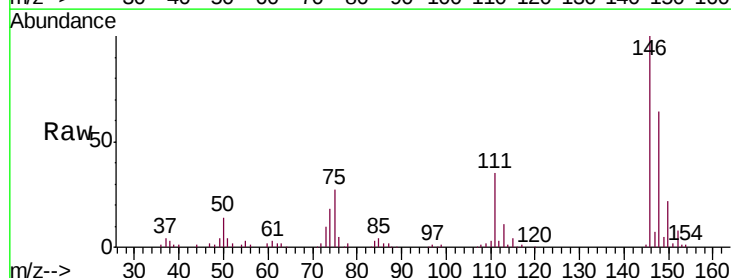
Tgt Ion:146 Resp: 77400

Ion Ratio Lower Upper

146 100

111 34.6 24.5 45.5

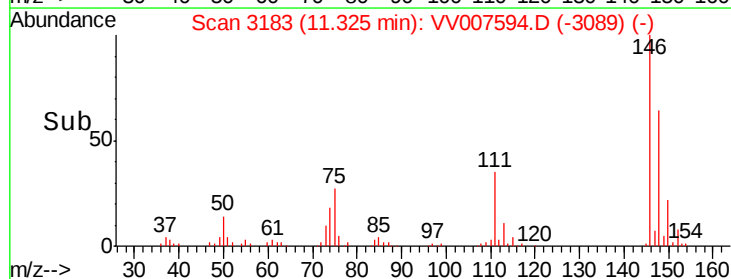
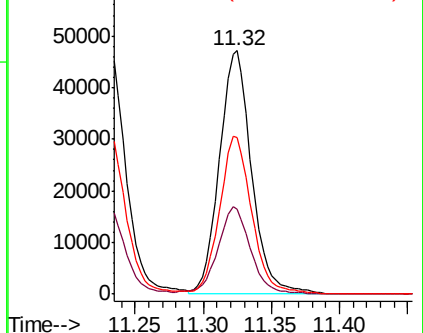
148 64.4 45.1 83.9

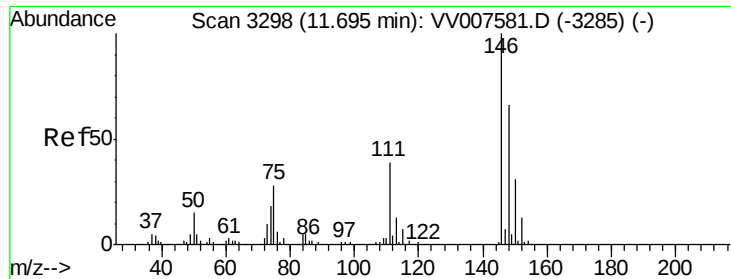


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

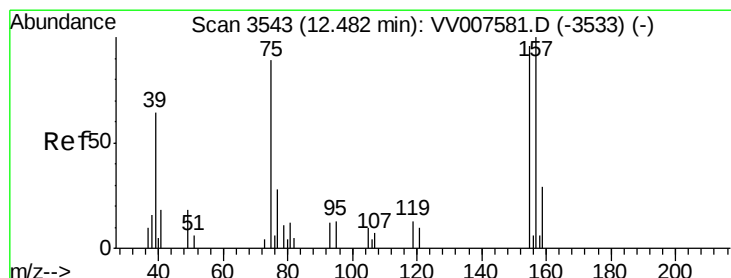
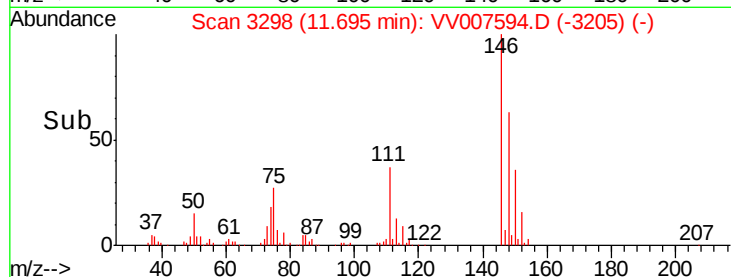
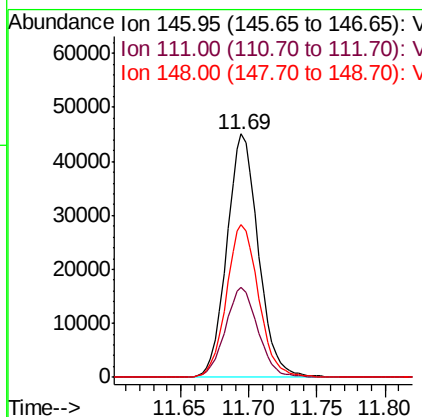
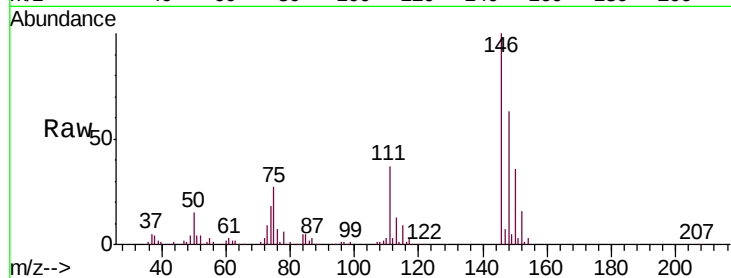




#65
 1,2-Dichlorobenzene
 Concen: 4.968 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

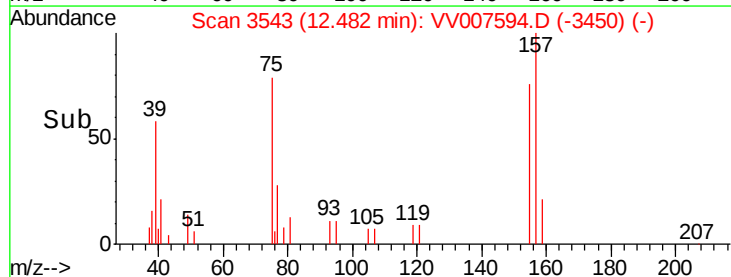
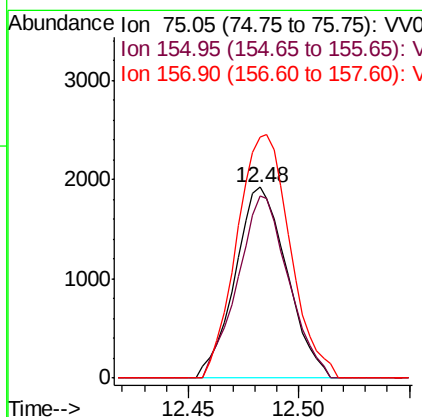
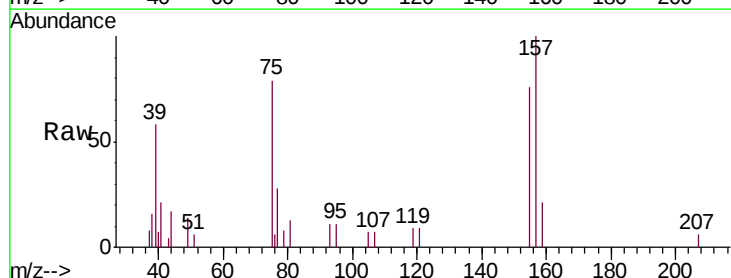
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

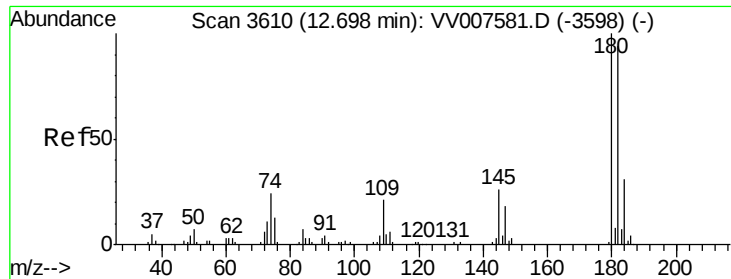
Tgt Ion:146 Resp: 72397
 Ion Ratio Lower Upper
 146 100
 111 37.2 32.7 49.1
 148 63.0 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.190 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Tgt Ion: 75 Resp: 3141
 Ion Ratio Lower Upper
 75 100
 155 95.7 74.6 111.8
 157 126.4 97.4 146.2

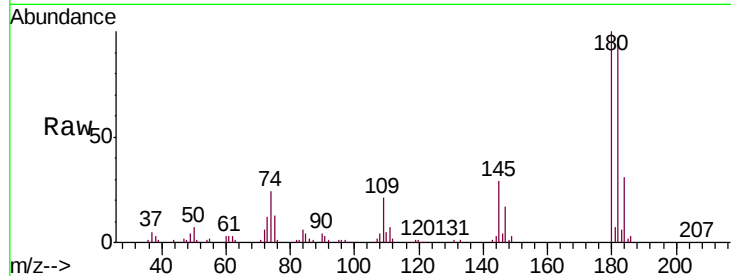




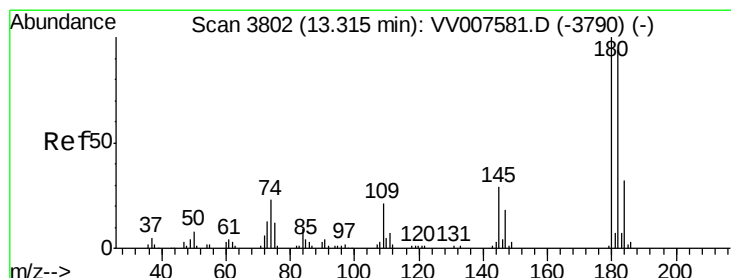
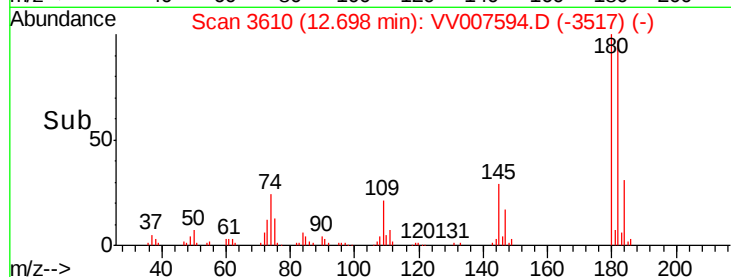
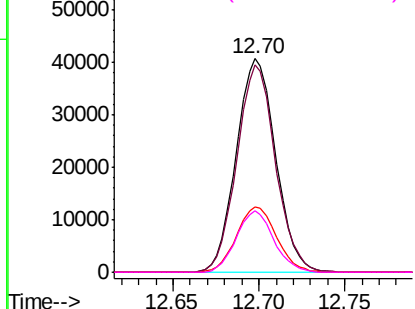
#67
 1,3,5-Trichlorobenzene
 Concen: 5.288 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tgt Ion:180 Resp: 64625
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.1 114.1
 184 31.0 24.0 36.0
 145 27.4 22.6 34.0

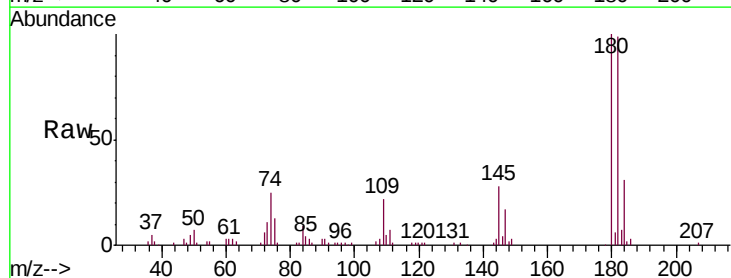


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

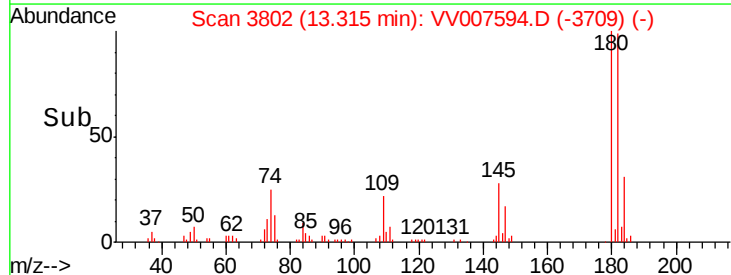
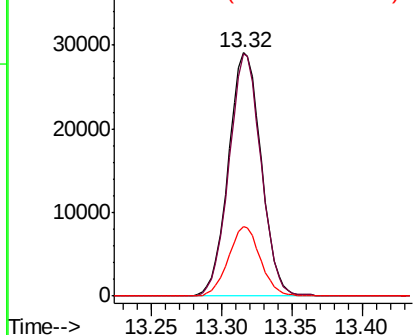


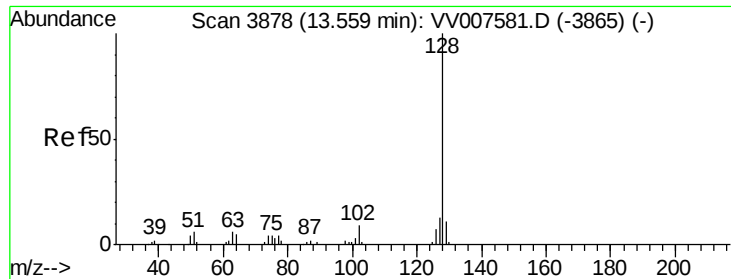
#68
 1,2,4-trichlorobenzene
 Concen: 5.386 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007594.D
 Acq: 17 Sep 2018 18:35

Tgt Ion:180 Resp: 47394
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.8 116.8
 145 27.7 22.5 33.7



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: 5.006 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

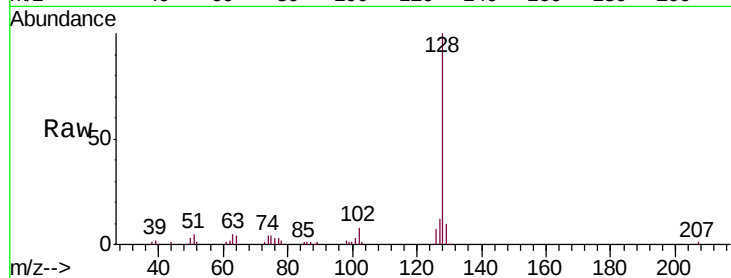
Tgt Ion:128 Resp: 53330

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

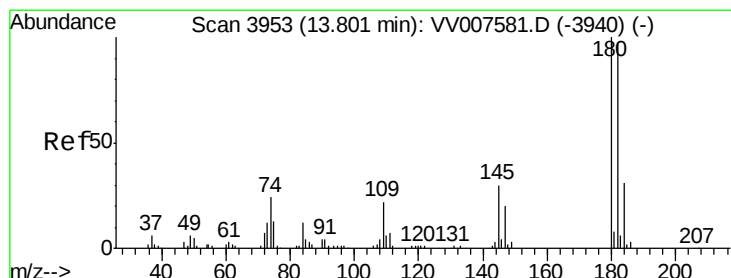
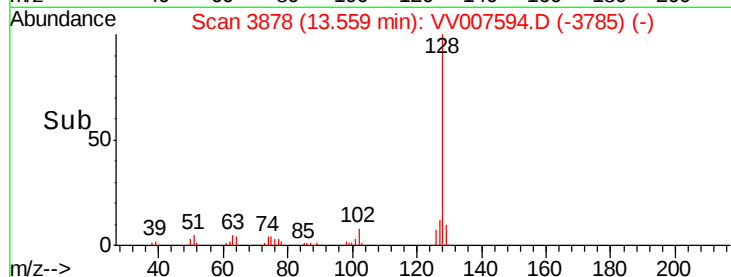
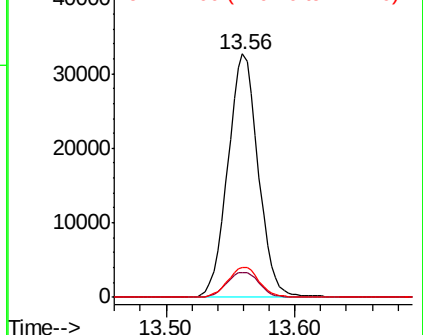
127 12.8 10.5 15.7



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: 5.288 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007594.D

Acq: 17 Sep 2018 18:35

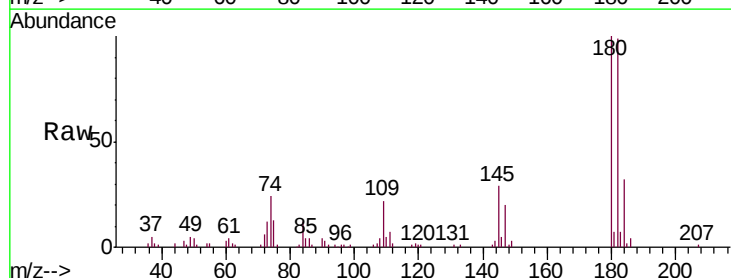
Tgt Ion:180 Resp: 42429

Ion Ratio Lower Upper

180 100

182 96.9 75.5 113.3

145 29.5 23.4 35.0



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

