

Data File : VV008095.D
Acq On : 05 Oct 2018 13:37
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

Quant Time: Oct 06 00:57:50 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 06 00:55:07 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	102742	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	97805	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	51447	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29682	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.59	69	23799	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.14	63	58735	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.20%
20) 2-Butanone-d5	3.96	46	74822	49.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.62%
24) Chloroform-d	4.41	84	64416	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.09	65	31097	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.10	84	123166	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	6.12	67	37369	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.40%
41) Toluene-d8	7.36	98	122373	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.67	79	13757	4.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.60%
46) 2-Hexanone-d5	8.14	63	56777	51.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.24%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	27545	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	47183	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	35864	5.148	ug/L 99
3) Chloromethane	1.25	50	29135	4.963	ug/L 100
5) Vinyl chloride	1.33	62	33035	5.054	ug/L 96
6) Bromomethane	1.54	94	16366	5.285	ug/L 100
8) Chloroethane	1.60	64	20274	4.642	ug/L 99
9) Trichlorofluoromethane	1.77	101	54959	4.908	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	32884	4.938	ug/L 99
12) 1,1-Dichloroethene	2.15	96	27425	4.927	ug/L 96
13) Acetone	2.21	43	45982	44.729	ug/L 99
14) Carbon disulfide	2.32	76	69362	4.897	ug/L 97
15) Methyl Acetate	2.47	43	11931	4.889	ug/L 97
16) Methylene chloride	2.54	84	30279	4.484	ug/L 98
17) Methyl tert-butyl Ether	2.81	73	70448	5.049	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	29670	4.884	ug/L 99
19) 1,1-Dichloroethane	3.23	63	58476	5.055	ug/L 99
21) 2-Butanone	4.05	43	81403	49.085	ug/L 99
22) cis-1,2-Dichloroethene	3.97	96	34724	5.068	ug/L 95

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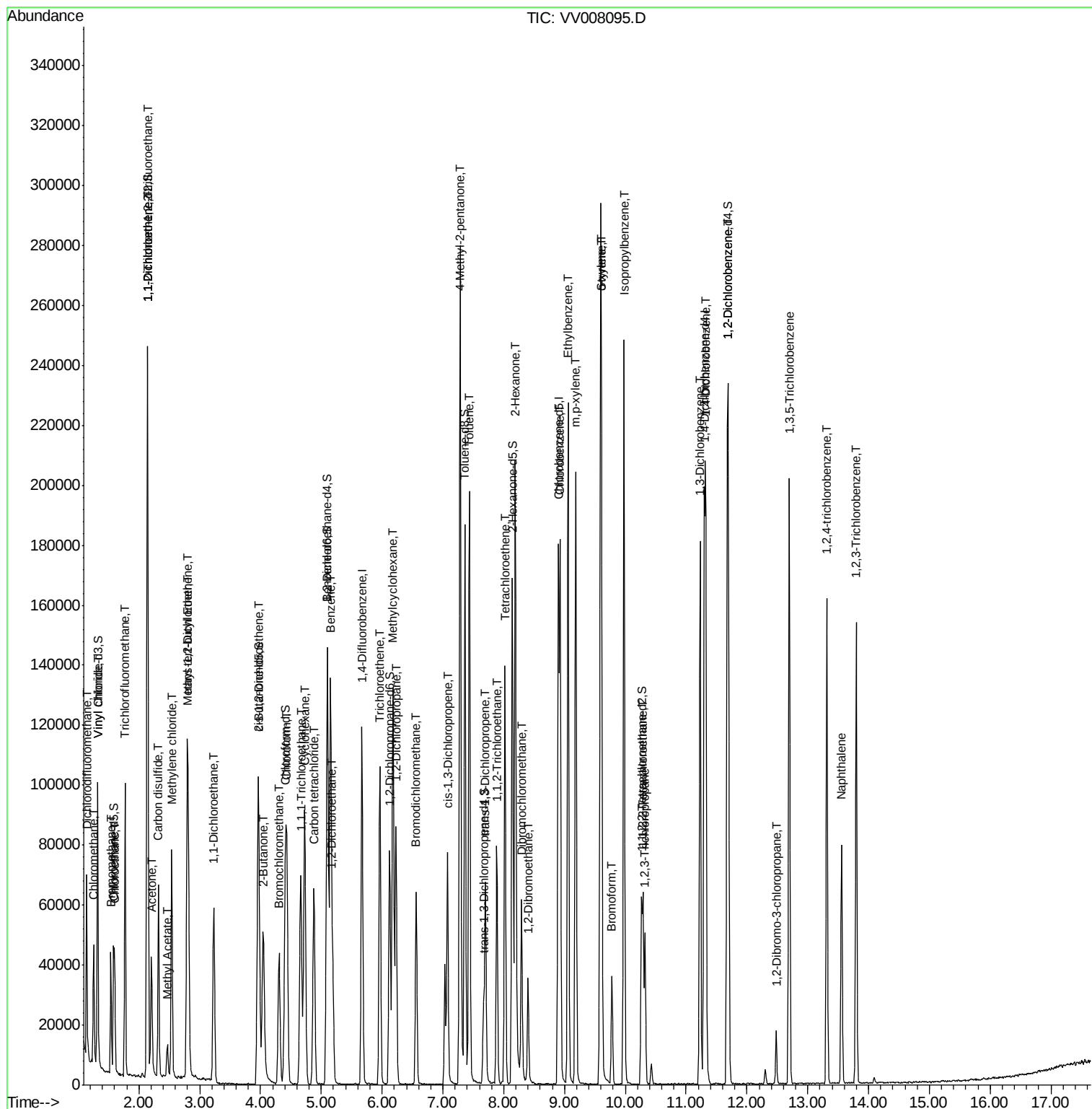
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	15936	5.122	ug/L	97
25) Chloroform	4.43	83	63546	5.105	ug/L	99
27) 1,2-Dichloroethane	5.19	62	36664	5.014	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	55473	5.107	ug/L	99
30) Cyclohexane	4.73	56	46617	5.167	ug/L	99
31) Carbon tetrachloride	4.88	117	48964	5.017	ug/L	100
33) Benzene	5.15	78	129782	5.259	ug/L	100
34) Trichloroethene	5.96	95	35685	4.955	ug/L	99
35) Methylcyclohexane	6.18	83	51022	5.071	ug/L	98
37) 1,2-Dichloropropane	6.23	63	33742	5.067	ug/L	100
38) Bromodichloromethane	6.56	83	41594	5.106	ug/L	93
39) cis-1,3-Dichloropropene	7.08	75	43668	5.114	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	196181	51.985	ug/L	100
42) Toluene	7.43	91	141836	5.410	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	36687	5.283	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	24175	5.176	ug/L	97
47) Tetrachloroethene	8.02	164	32714	5.086	ug/L	97
48) 2-Hexanone	8.19	43	138191	53.939	ug/L	98
49) Dibromochloromethane	8.29	129	29474	5.058	ug/L	98
50) 1,2-Dibromoethane	8.40	107	22783	5.373	ug/L	96
51) Chlorobenzene	8.93	112	94745	5.167	ug/L	98
52) Ethylbenzene	9.06	91	153698	5.371	ug/L	99
53) m,p-xylene	9.18	106	59497	5.485	ug/L	96
54) o-xylene	9.59	106	56841	5.488	ug/L	98
55) Styrene	9.61	104	99556	5.645	ug/L	99
56) Isopropylbenzene	9.98	105	154772	5.433	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	28002	5.171	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	19965	5.135	ug/L	97
61) Bromoform	9.78	173	16678	5.265	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	79920	5.218	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	79811	5.112	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	76509	5.170	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	4017	5.198	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	68054	5.214	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	53233	5.467	ug/L	99
69) Naphthalene	13.56	128	67437	5.425	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	49300	5.324	ug/L	99

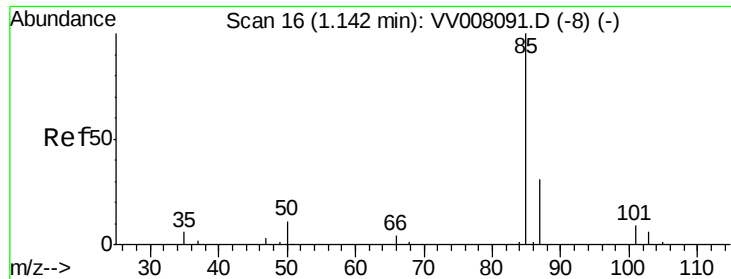
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.148 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

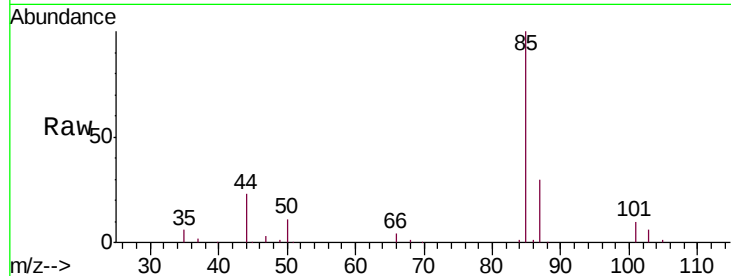
VSTD00575

Tgt Ion: 85 Resp: 35864

Ion Ratio Lower Upper

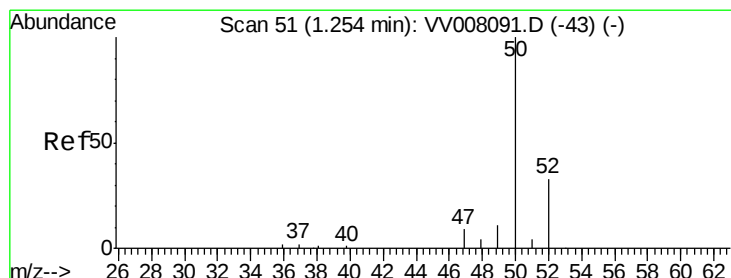
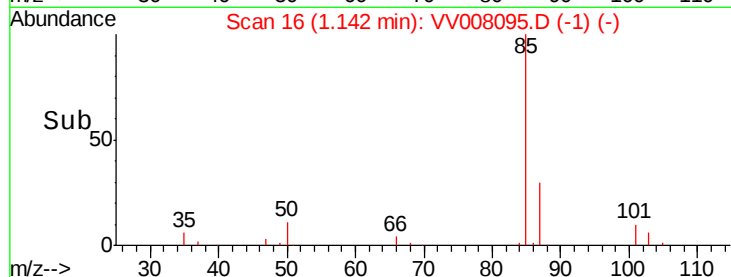
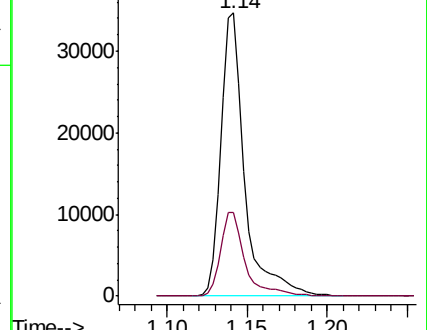
85 100

87 30.4 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV008091.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008091.D (-8) (-)



#3

Chloromethane

Concen: 4.963 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008095.D

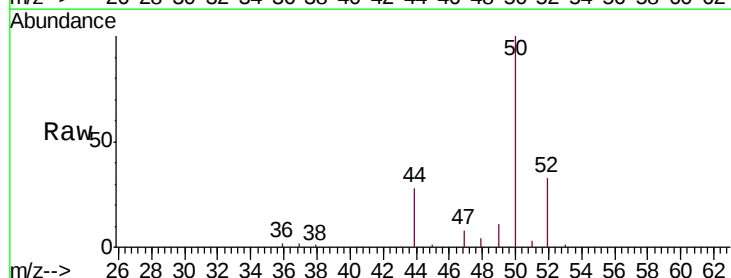
Acq: 05 Oct 2018 13:37

Tgt Ion: 50 Resp: 29135

Ion Ratio Lower Upper

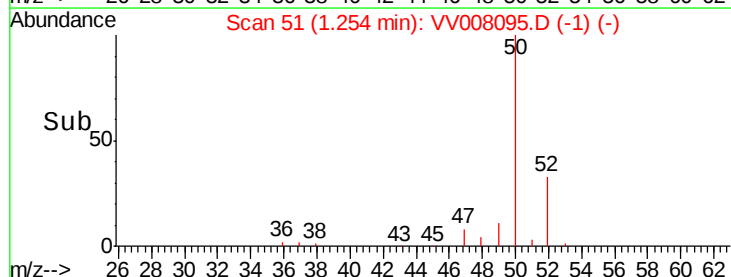
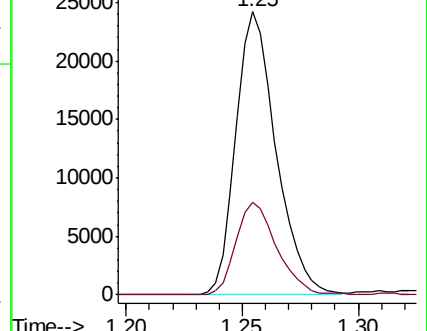
50 100

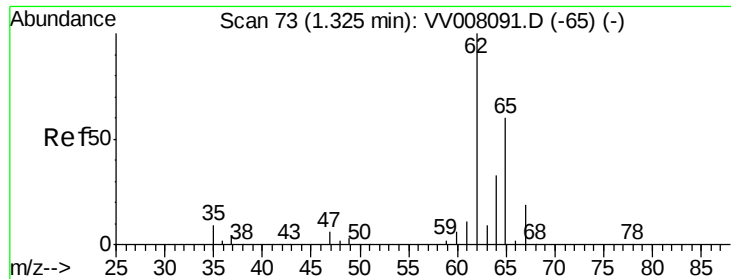
52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV008091.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV008091.D (-43) (-)





#5

Vinyl chloride

Concen: 5.054 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

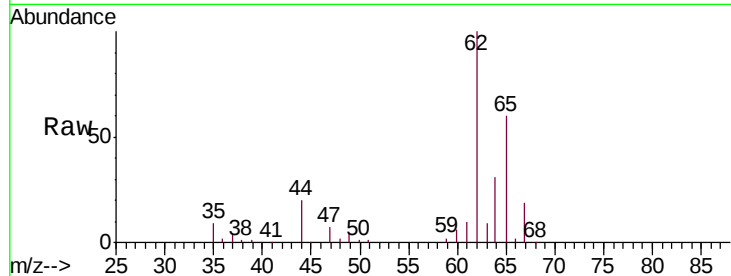
VSTD00575

Tgt Ion: 62 Resp: 33035

Ion Ratio Lower Upper

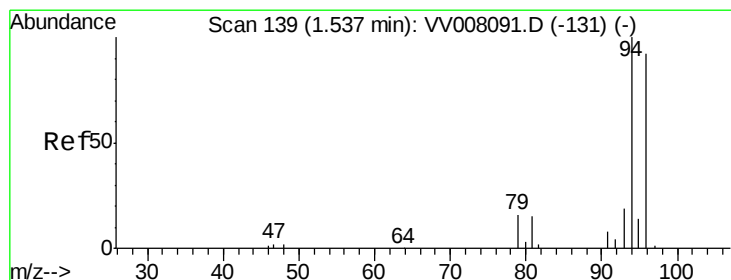
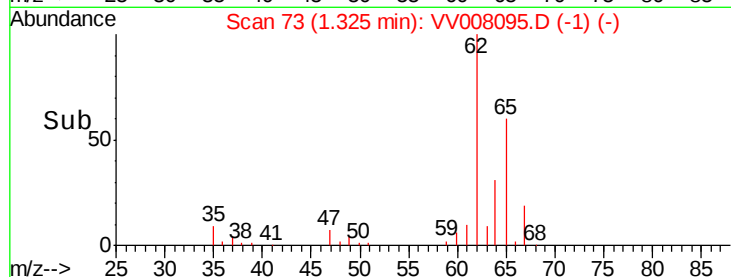
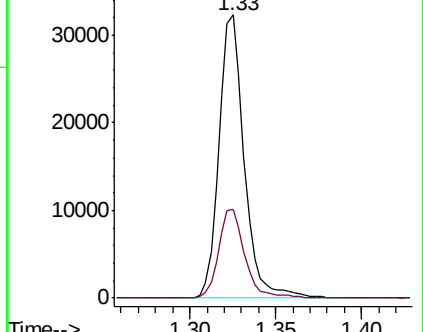
62 100

64 31.3 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008091.D (-65) (-)

Ion 64.10 (63.80 to 64.80): VV008091.D (-65) (-)



#6

Bromomethane

Concen: 5.285 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008095.D

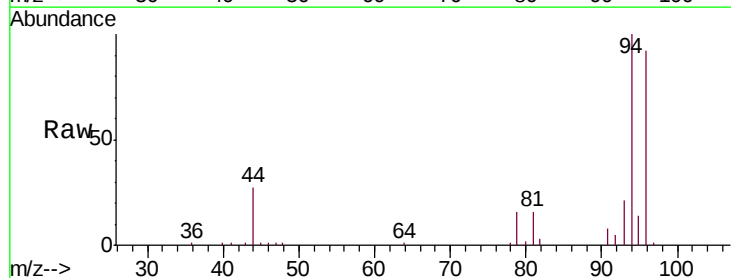
Acq: 05 Oct 2018 13:37

Tgt Ion: 94 Resp: 16366

Ion Ratio Lower Upper

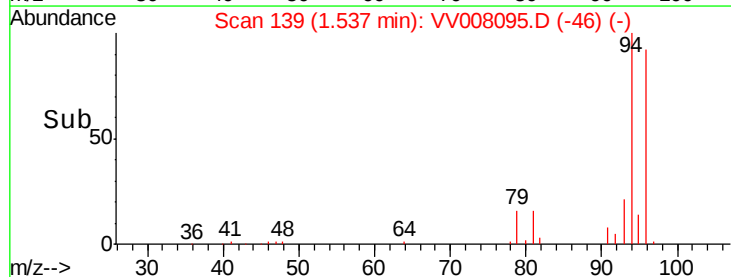
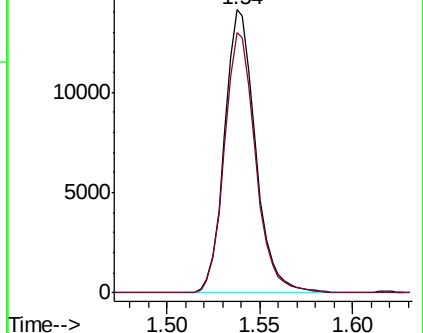
94 100

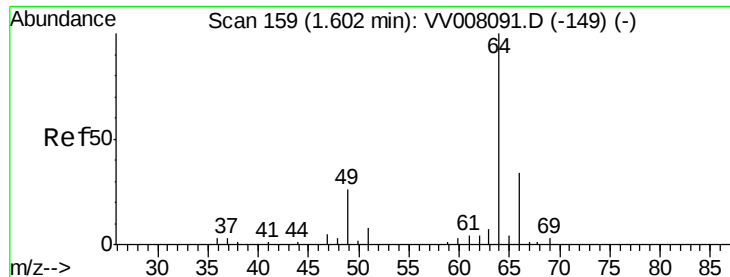
96 91.8 64.4 119.6



Abundance Ion 94.00 (93.70 to 94.70): VV008091.D (-131) (-)

Ion 96.00 (95.70 to 96.70): VV008091.D (-131) (-)





#8

Chloroethane

Concen: 4.642 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

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ClientSampleId :

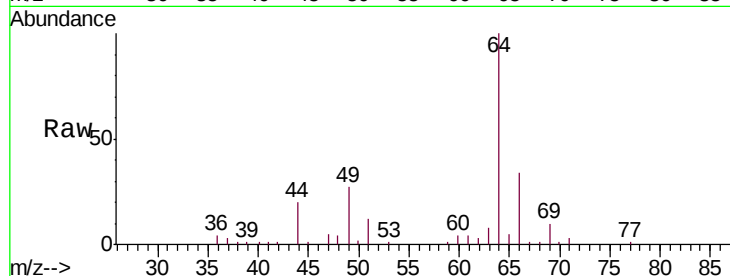
VSTD00575

Tgt Ion: 64 Resp: 20274

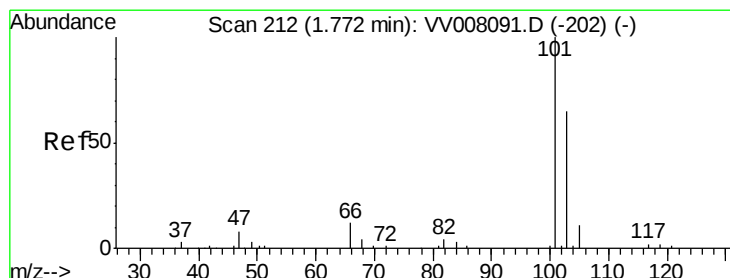
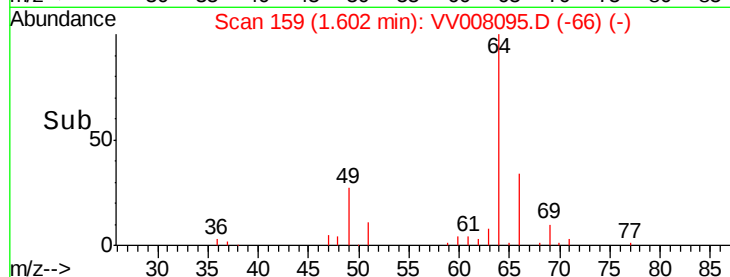
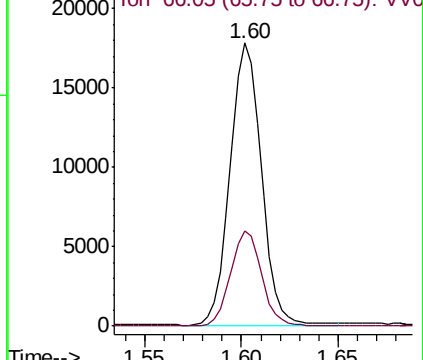
Ion Ratio Lower Upper

64 100

66 33.9 24.1 44.8



Abundance Ion 64.10 (63.80 to 64.80): VV008091.D (-149) (-)



#9

Trichlorofluoromethane

Concen: 4.908 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008095.D

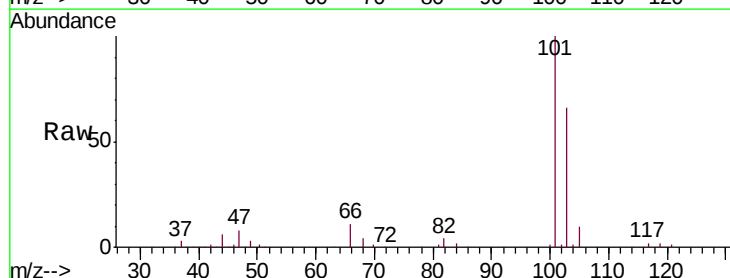
Acq: 05 Oct 2018 13:37

Tgt Ion: 101 Resp: 54959

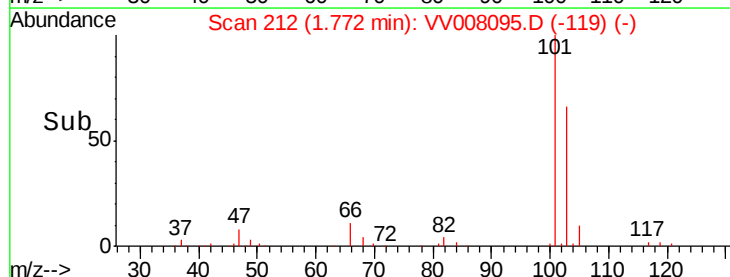
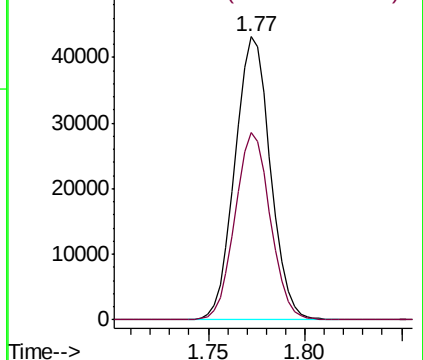
Ion Ratio Lower Upper

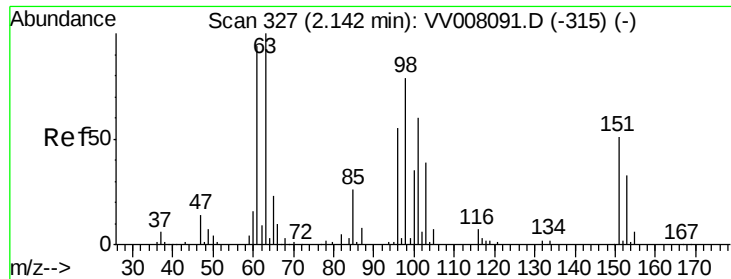
101 100

103 66.0 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): VV008091.D (-202) (-)





#10

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

Concen: 4.938 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

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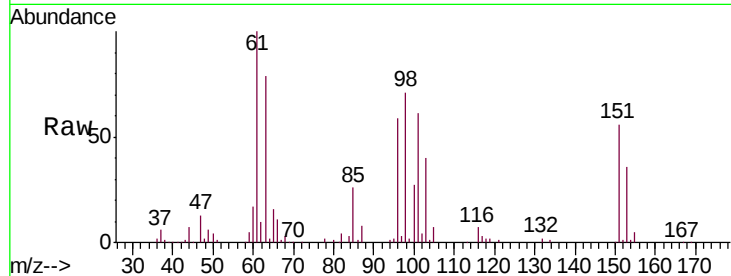
Tgt Ion:101 Resp: 32884

Ion Ratio Lower Upper

101 100

85 42.9 35.4 53.0

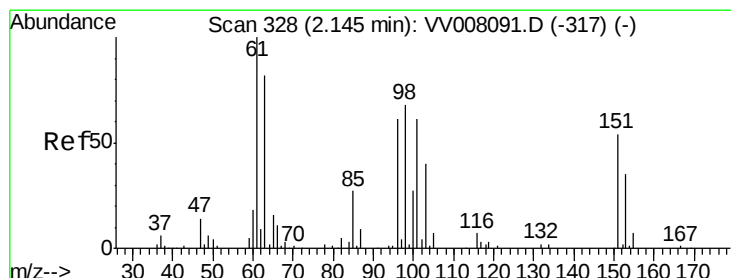
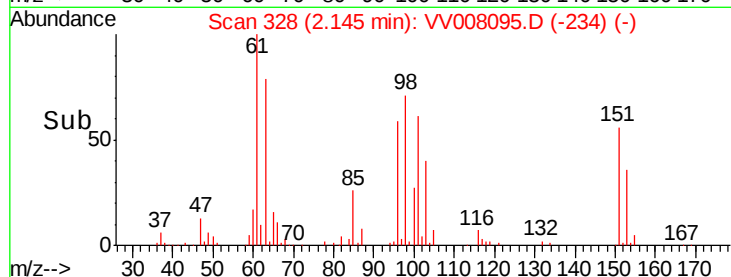
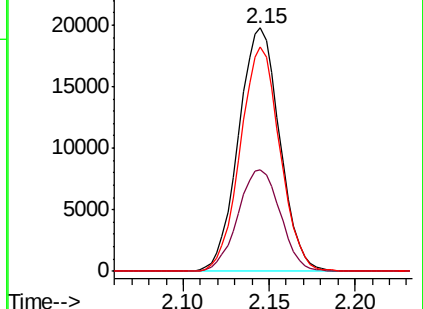
151 89.0 70.7 106.1



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: 4.927 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

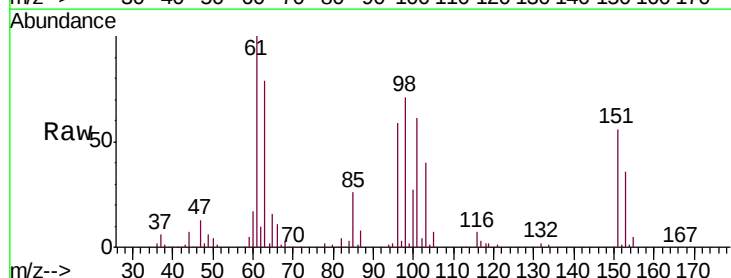
Tgt Ion: 96 Resp: 27425

Ion Ratio Lower Upper

96 100

61 168.6 114.7 213.1

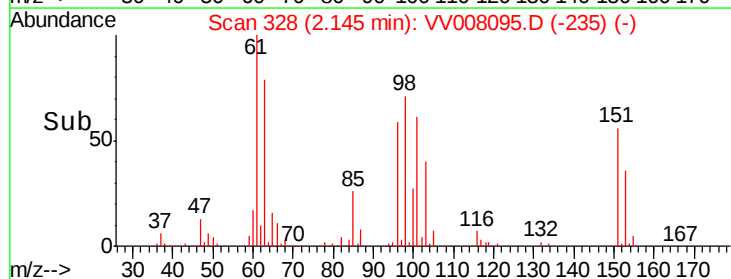
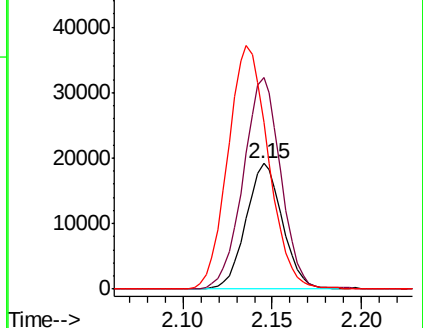
63 132.9 96.9 179.9

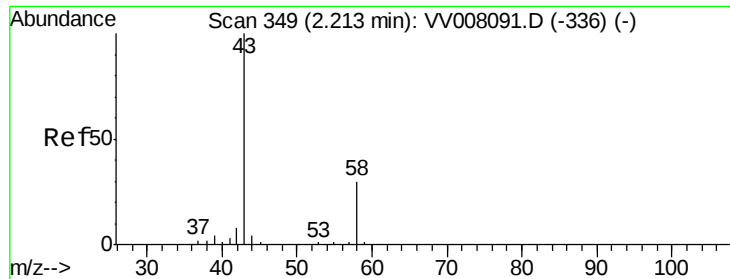


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 44.729 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

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Acq: 05 Oct 2018 13:37

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ClientSampleId :

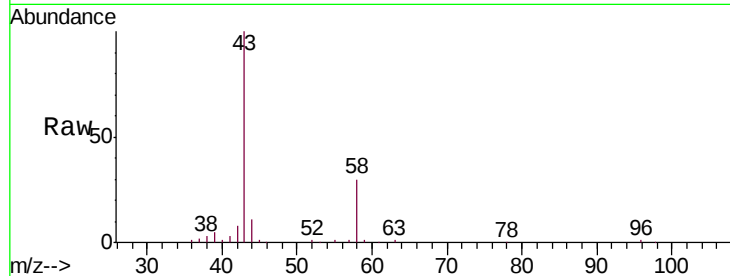
VSTD00575

Tgt Ion: 43 Resp: 45982

Ion Ratio Lower Upper

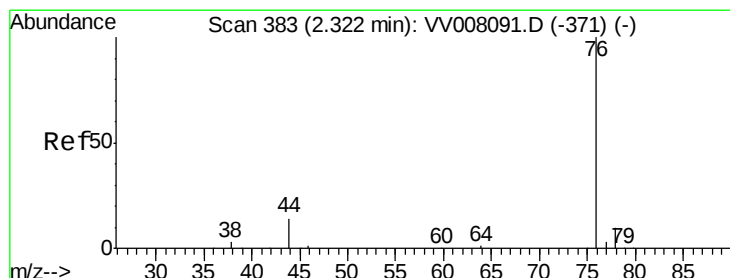
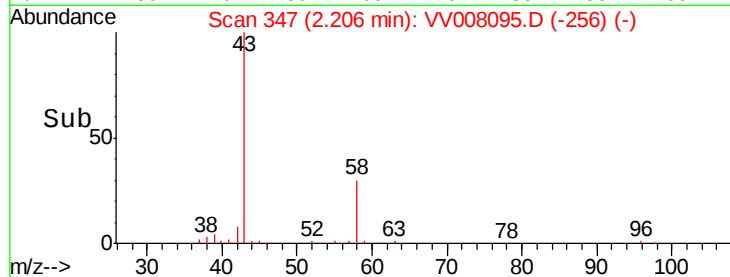
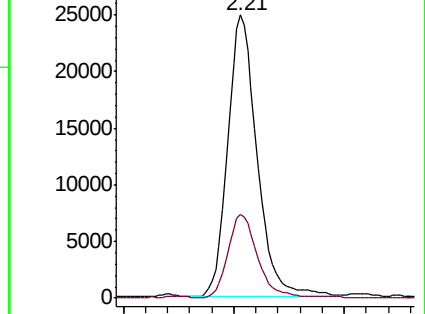
43 100

58 30.4 0.0 62.2



Abundance Ion 43.05 (42.75 to 43.75): VV008091.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV008091.D (-336) (-)



#14

Carbon disulfide

Concen: 4.897 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008095.D

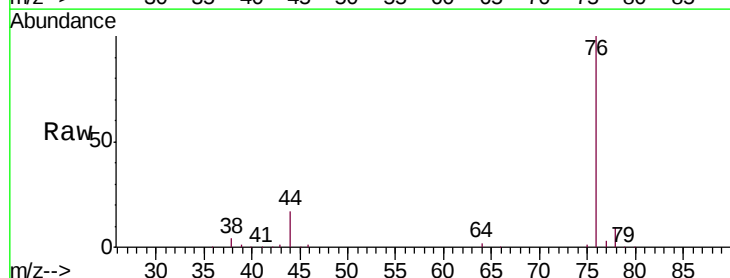
Acq: 05 Oct 2018 13:37

Tgt Ion: 76 Resp: 69362

Ion Ratio Lower Upper

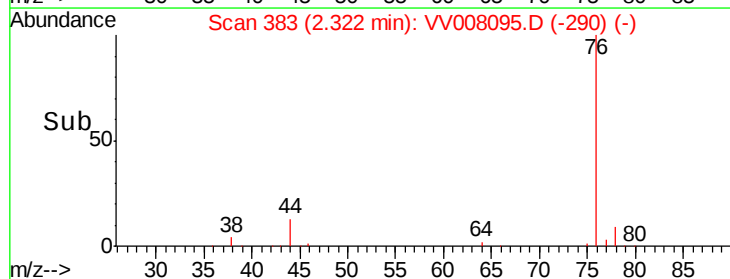
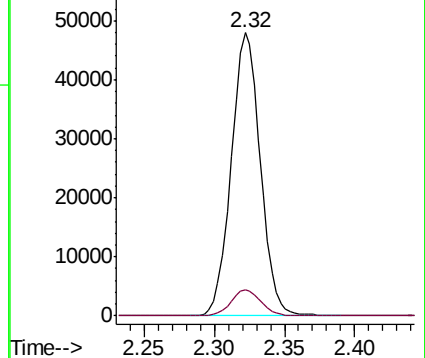
76 100

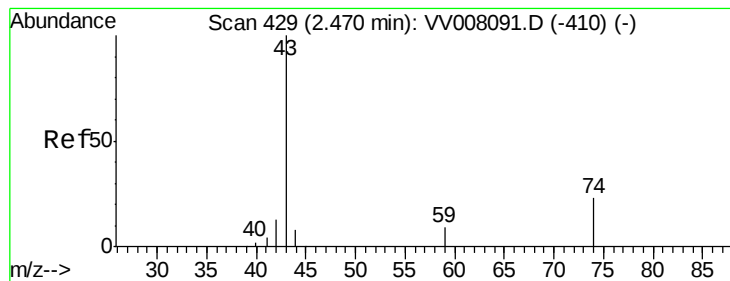
78 9.1 8.0 12.0



Abundance Ion 76.05 (75.75 to 76.75): VV008091.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV008091.D (-371) (-)





#15

Methyl Acetate

Concen: 4.889 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

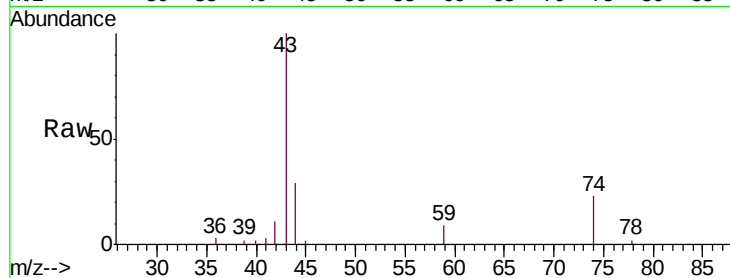
VSTD00575

Tgt Ion: 43 Resp: 11931

Ion Ratio Lower Upper

43 100

74 23.8 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV008091.D (-410) (-)

Ion 74.05 (73.75 to 74.75): VV008091.D (-410) (-)

2.47

8000

6000

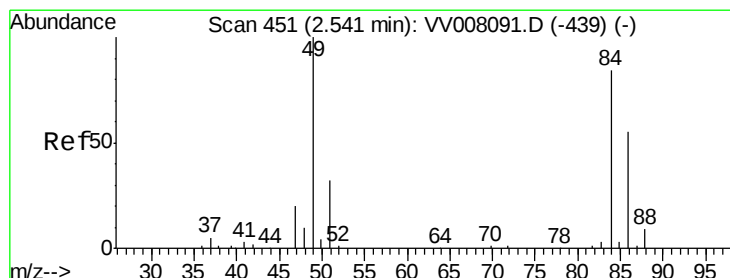
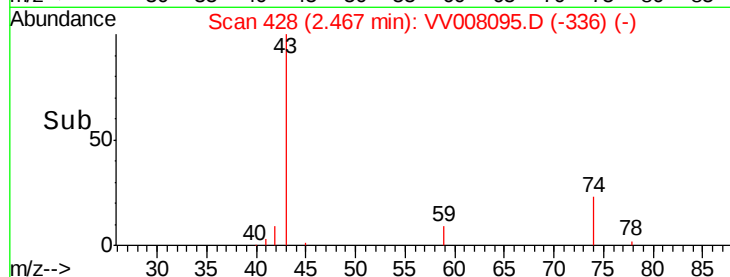
4000

2000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 4.484 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

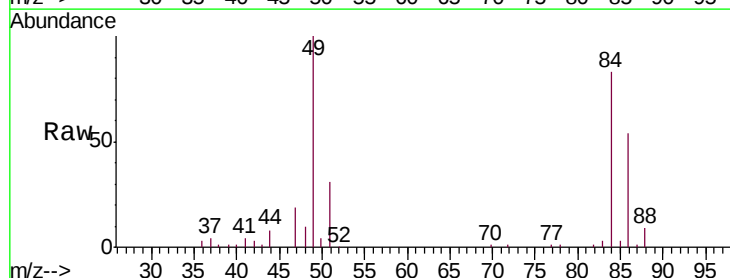
Tgt Ion: 84 Resp: 30279

Ion Ratio Lower Upper

84 100

86 65.0 45.3 84.1

49 121.1 83.0 154.1



Abundance Ion 84.05 (83.75 to 84.75): VV008091.D (-439) (-)

Ion 86.00 (85.70 to 86.70): VV008091.D (-439) (-)

Ion 49.10 (48.80 to 49.80): VV008091.D (-439) (-)

2.54

30000

25000

20000

15000

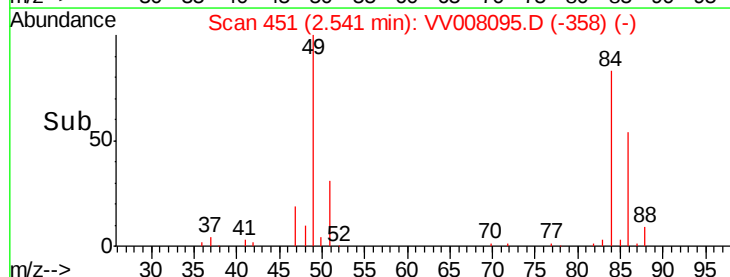
10000

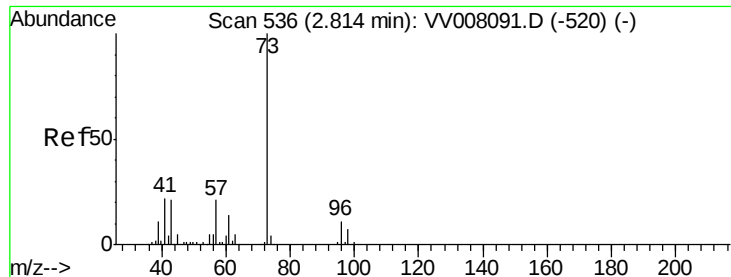
5000

0

Time-->

2.45 2.50 2.55 2.60



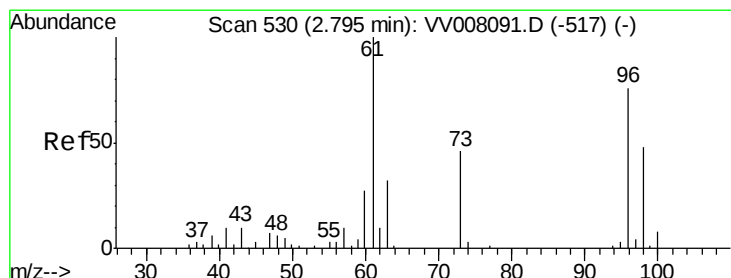
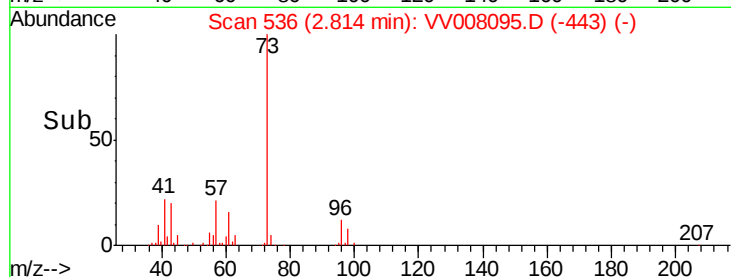
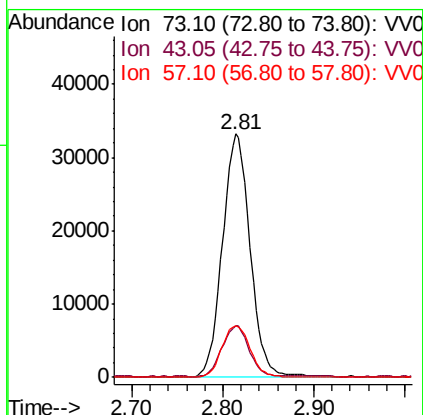
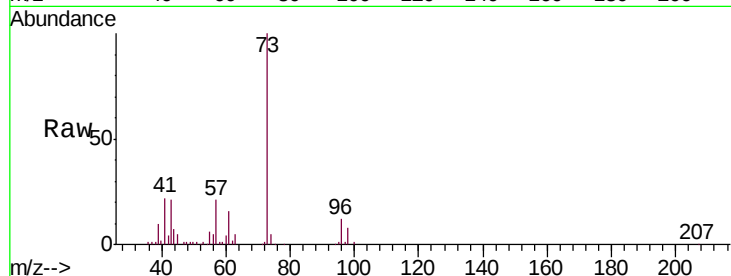


#17

Methyl tert-butyl Ether
 Concen: 5.049 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

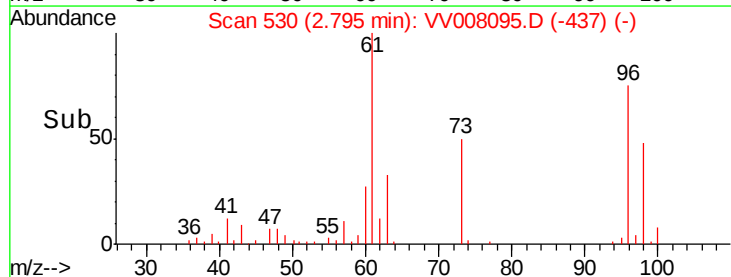
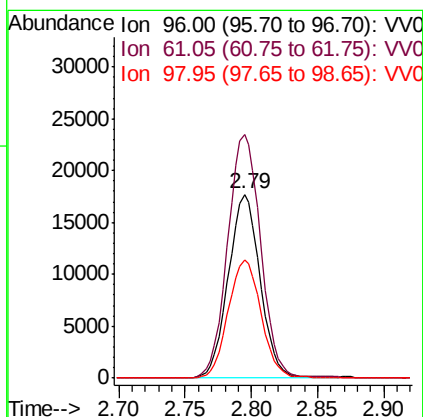
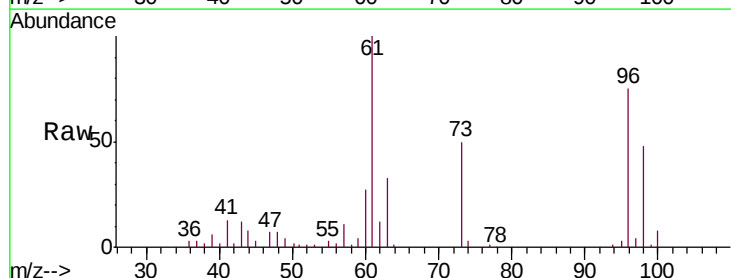
Tgt Ion: 73 Resp: 70448
 Ion Ratio Lower Upper
 73 100
 43 20.3 17.0 25.4
 57 21.6 17.3 25.9

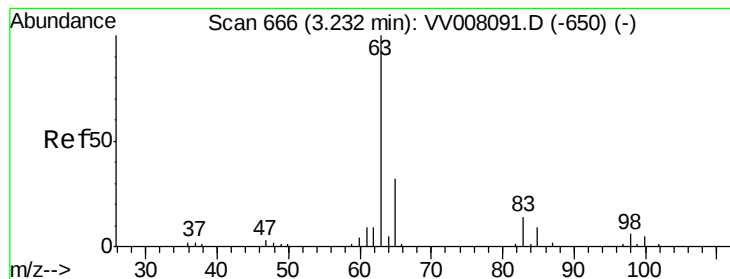


#18

trans-1,2-Dichloroethene
 Concen: 4.884 ug/L
 RT: 2.79 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Tgt Ion: 96 Resp: 29670
 Ion Ratio Lower Upper
 96 100
 61 132.6 91.6 170.2
 98 64.3 44.4 82.5





#19

1,1-Dichloroethane

Concen: 5.055 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

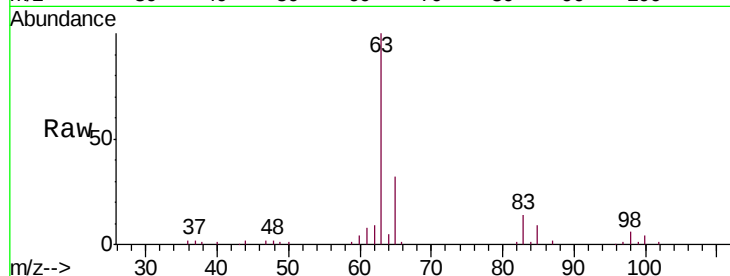
Tgt Ion: 63 Resp: 58476

Ion Ratio Lower Upper

63 100

65 31.7 22.4 41.6

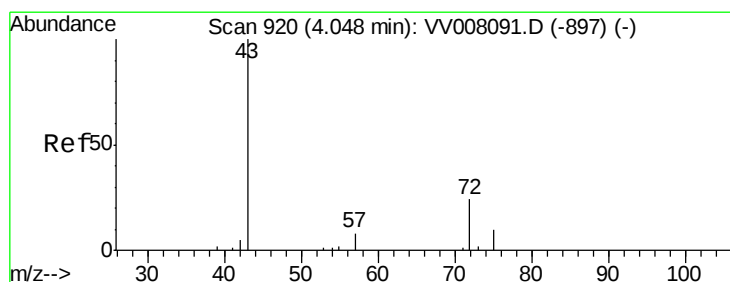
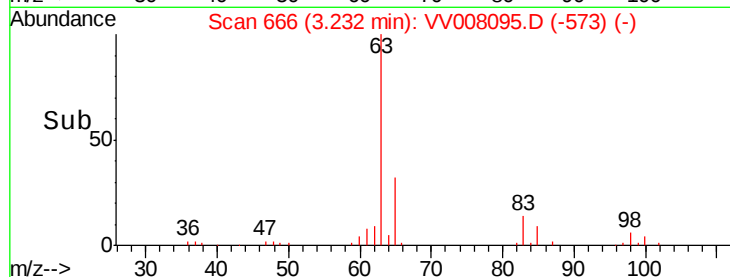
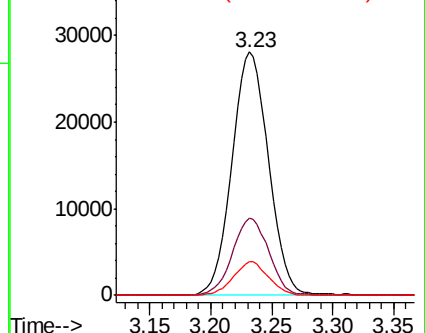
83 13.9 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VV008095.D (-650) (-)

Ion 65.10 (64.80 to 65.80): VV008095.D (-650) (-)

Ion 83.05 (82.75 to 83.75): VV008095.D (-650) (-)



#21

2-Butanone

Concen: 49.085 ug/L

RT: 4.05 min Scan# 919

Delta R.T. -0.00 min

Lab File: VV008095.D

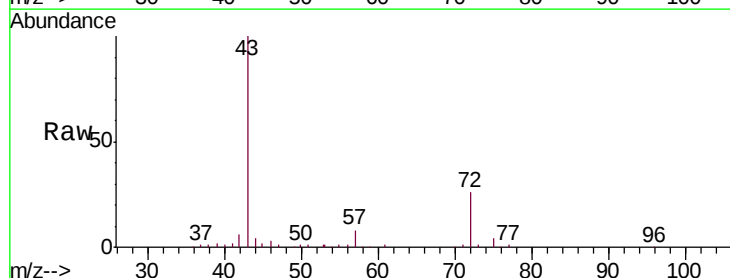
Acq: 05 Oct 2018 13:37

Tgt Ion: 43 Resp: 81403

Ion Ratio Lower Upper

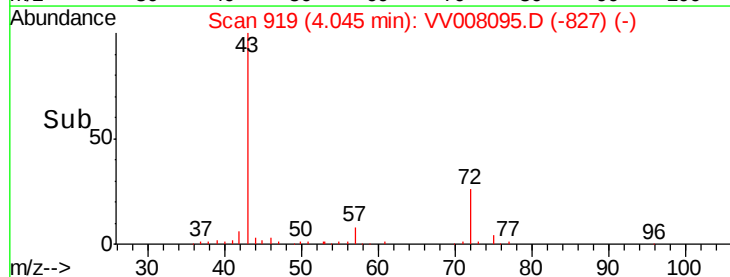
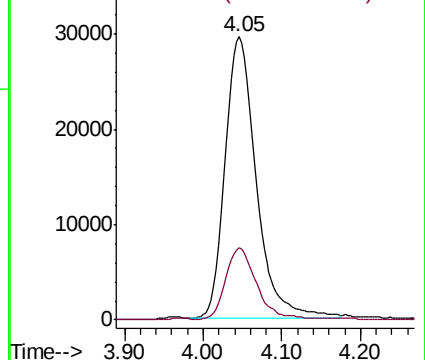
43 100

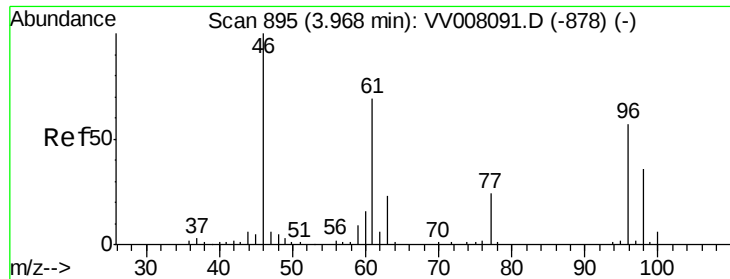
72 26.0 12.9 38.6



Abundance Ion 43.05 (42.75 to 43.75): VV008095.D (-827) (-)

Ion 72.10 (71.80 to 72.80): VV008095.D (-827) (-)



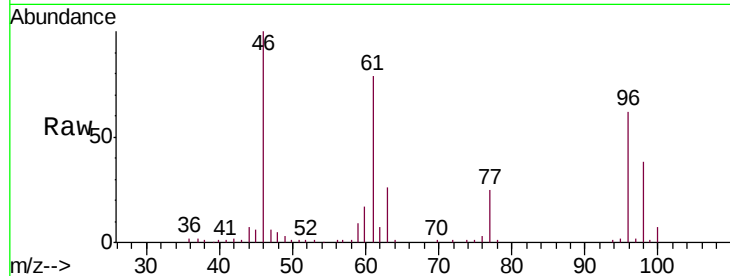


#22

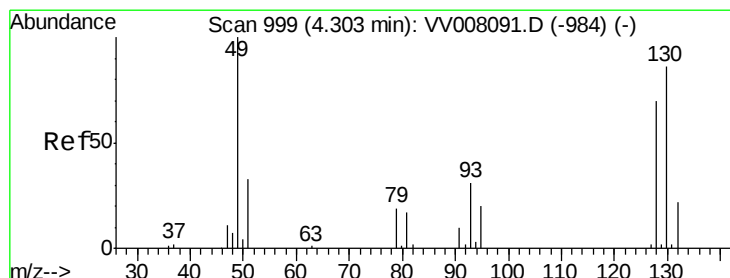
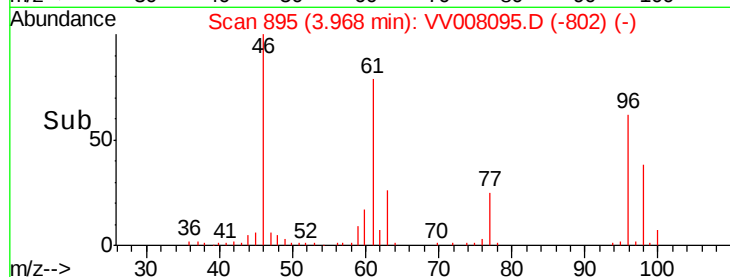
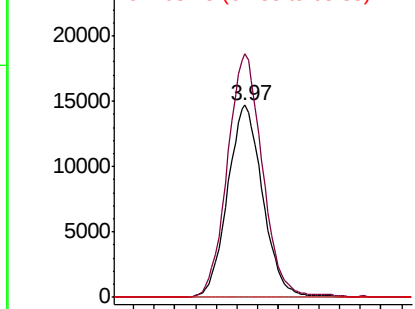
cis-1,2-Dichloroethene
 Concen: 5.068 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Tgt Ion: 96 Resp: 34724
 Ion Ratio Lower Upper
 96 100
 61 126.9 85.1 158.1
 68 0.0 0.0 0.0



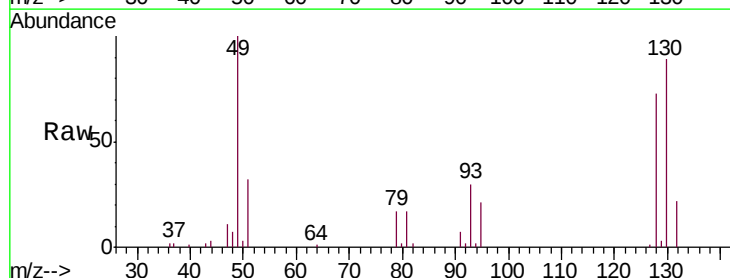
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



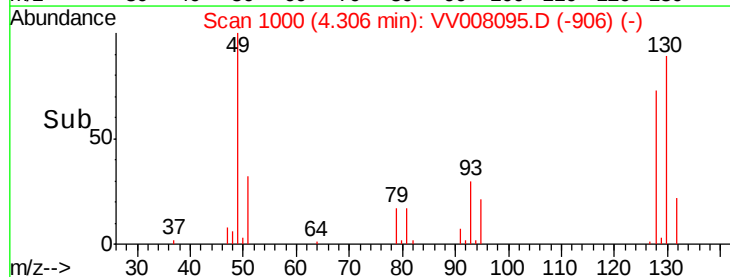
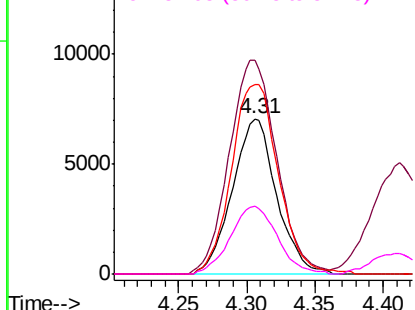
#23

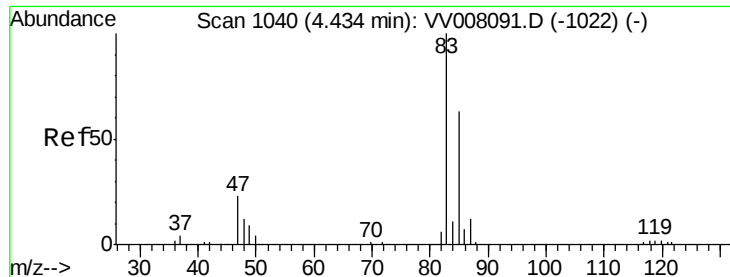
Bromochloromethane
 Concen: 5.122 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Tgt Ion: 128 Resp: 15936
 Ion Ratio Lower Upper
 128 100
 49 137.5 99.8 185.3
 130 122.2 85.5 158.7
 51 43.6 38.0 57.0



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

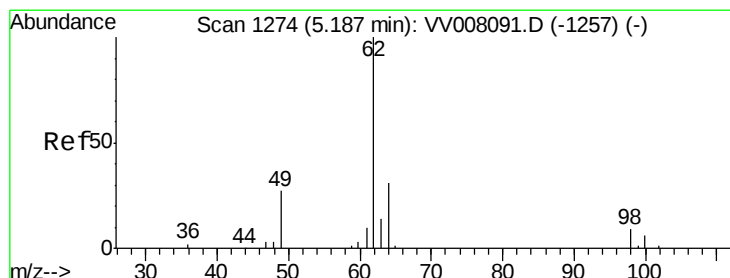
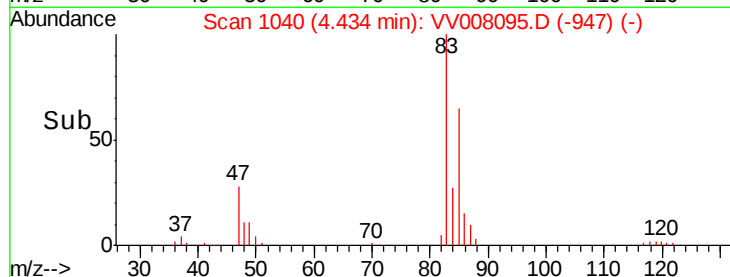
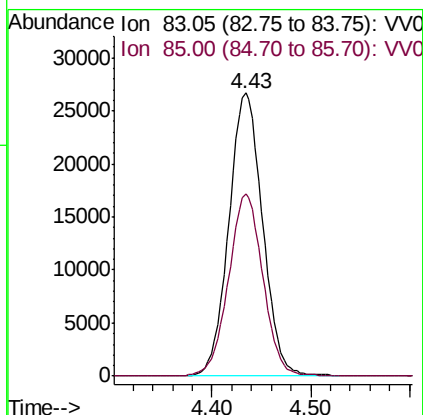
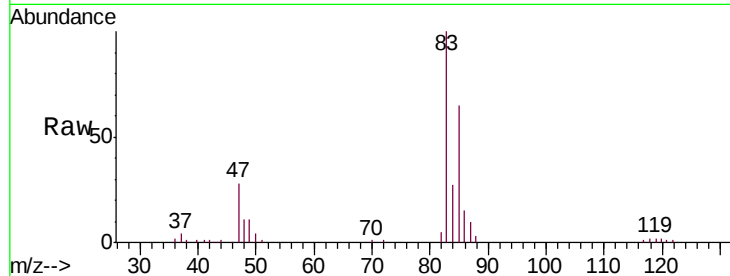




#25
Chloroform
Concen: 5.105 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008095.D
Acq: 05 Oct 2018 13:37

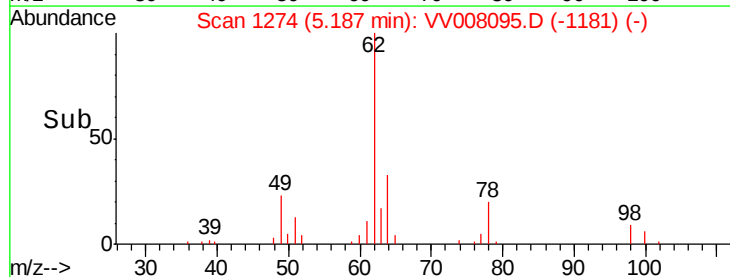
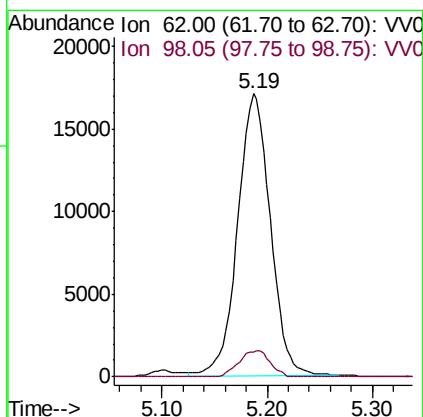
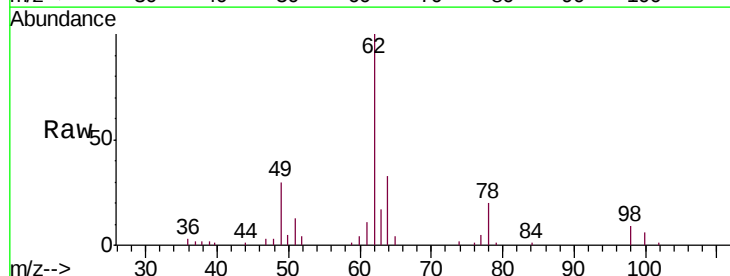
Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

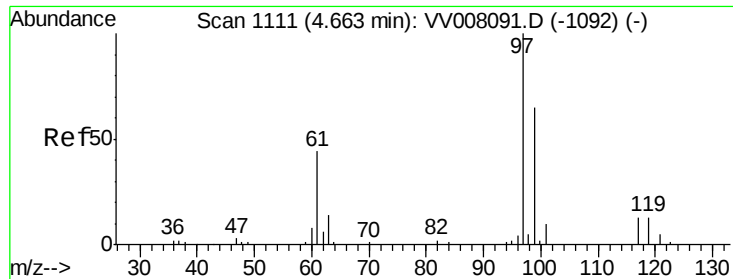
Tgt Ion: 83 Resp: 63546
Ion Ratio Lower Upper
83 100
85 64.5 44.6 82.8



#27
1,2-Dichloroethane
Concen: 5.014 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008095.D
Acq: 05 Oct 2018 13:37

Tgt Ion: 62 Resp: 36664
Ion Ratio Lower Upper
62 100
98 8.9 7.3 10.9

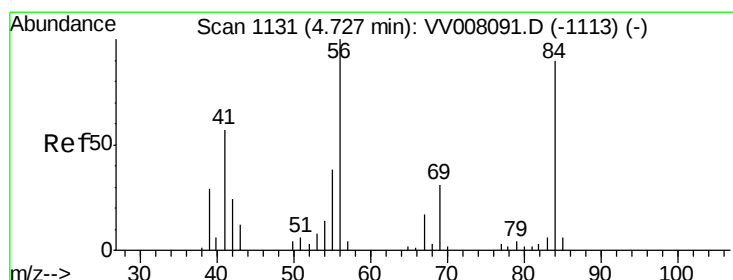
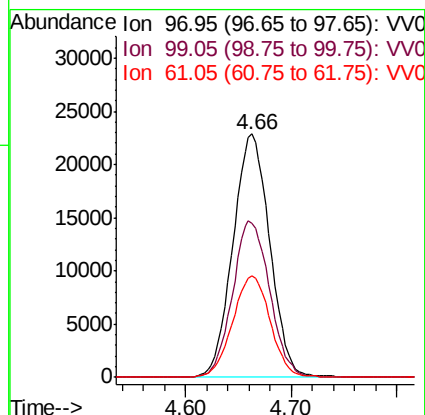
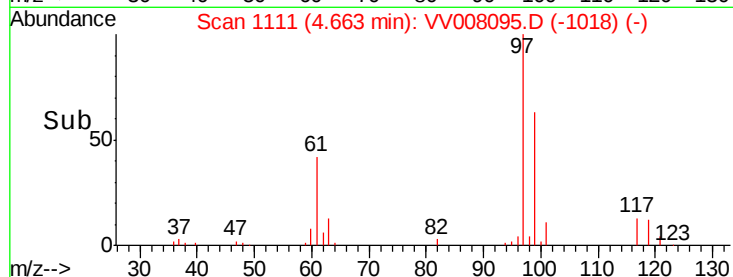
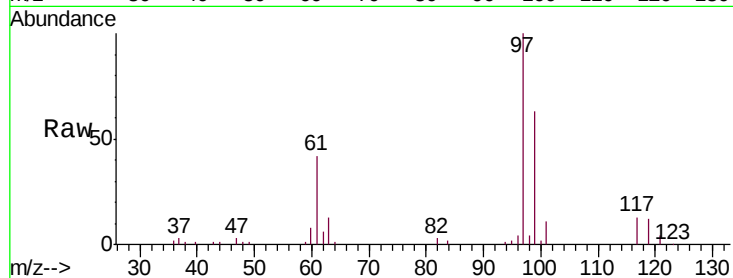




#29
 1,1,1-Trichloroethane
 Concen: 5.107 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

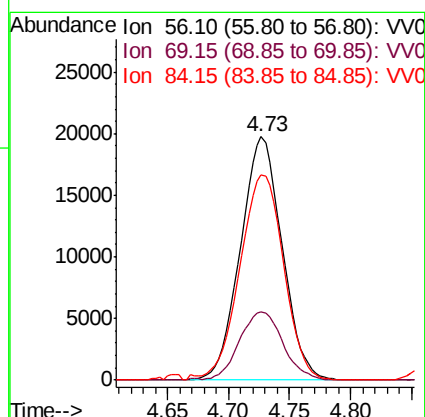
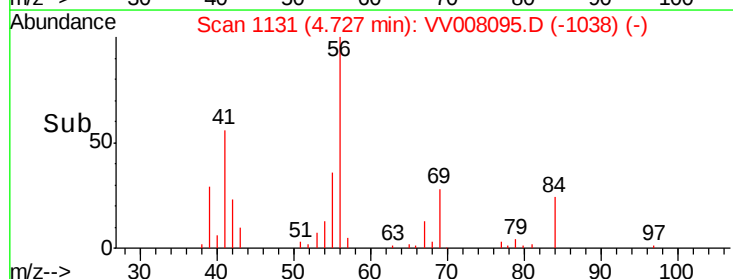
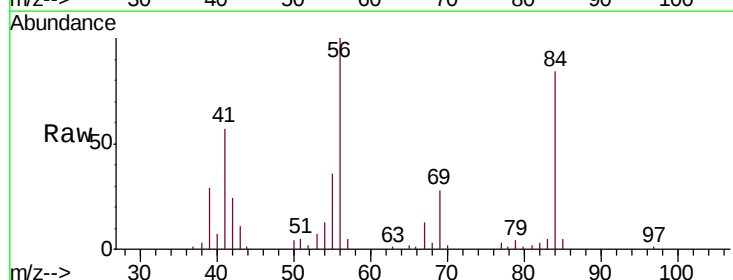
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

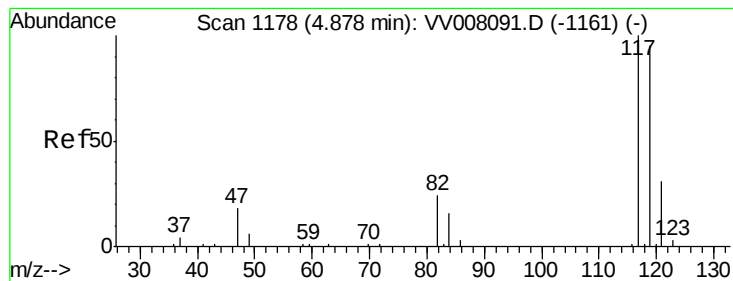
Tgt Ion: 97 Resp: 55473
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.0 76.4
 61 42.5 34.0 51.0



#30
 Cyclohexane
 Concen: 5.167 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Tgt Ion: 56 Resp: 46617
 Ion Ratio Lower Upper
 56 100
 69 29.2 24.6 36.8
 84 89.1 70.7 106.1





#31

Carbon tetrachloride

Concen: 5.017 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

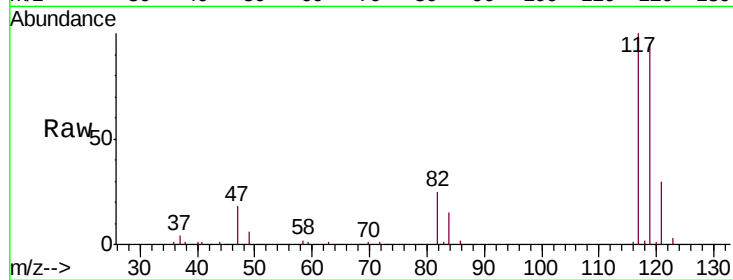
VSTD00575

Tgt Ion:117 Resp: 48964

Ion Ratio Lower Upper

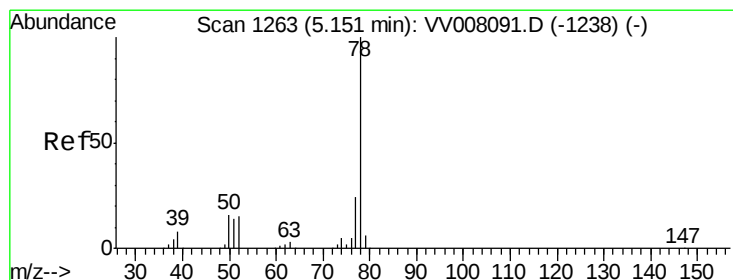
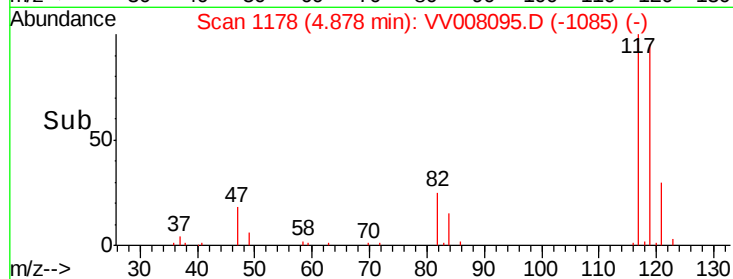
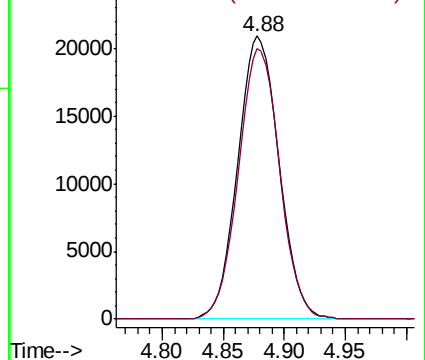
117 100

119 95.4 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.259 ug/L

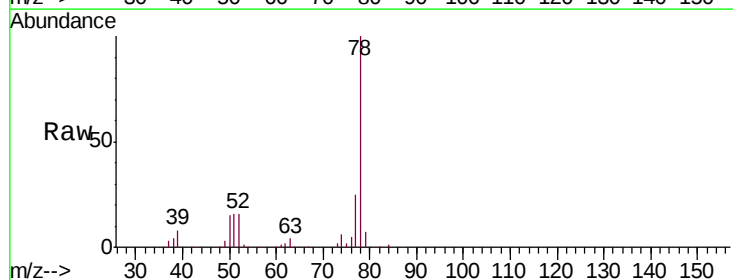
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

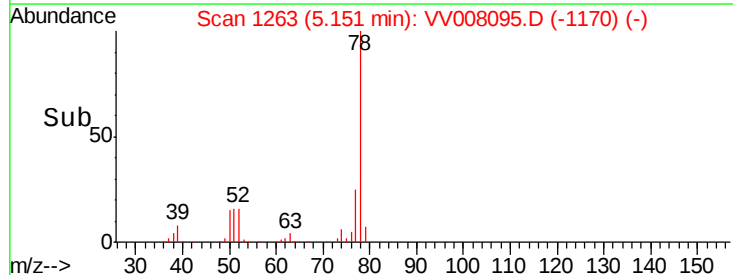
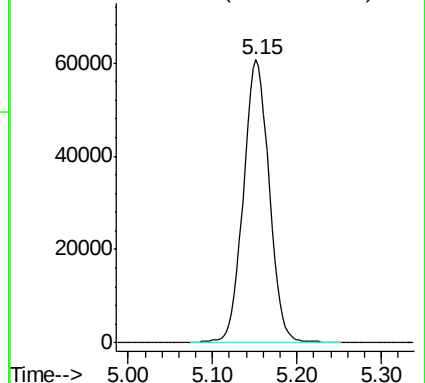
Lab File: VV008095.D

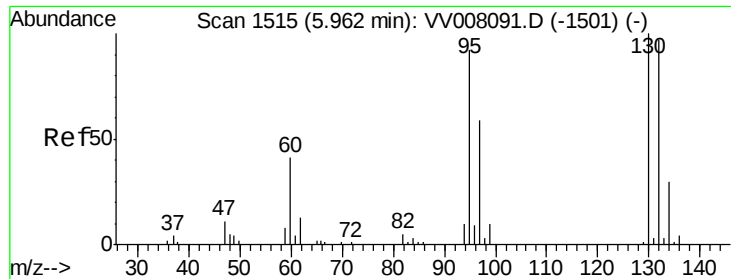
Acq: 05 Oct 2018 13:37

Tgt Ion: 78 Resp: 129782



Abundance Ion 78.10 (77.80 to 78.80): VV0

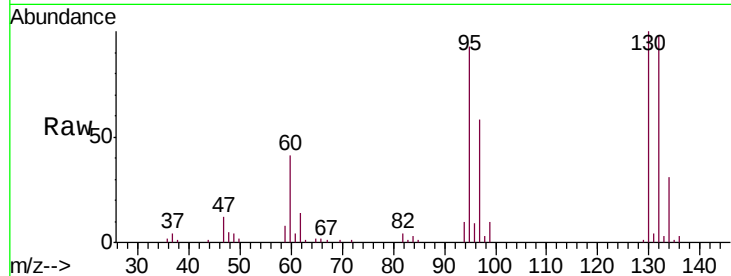




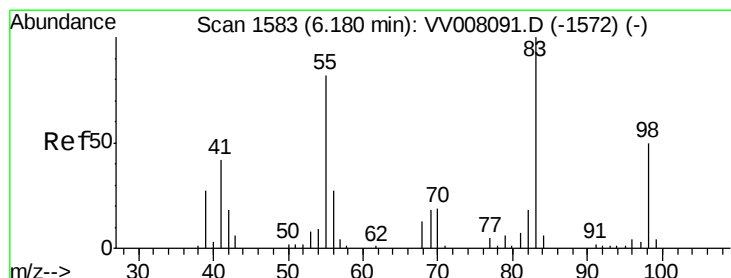
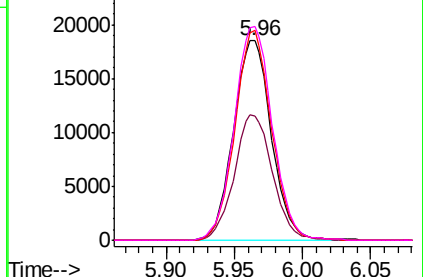
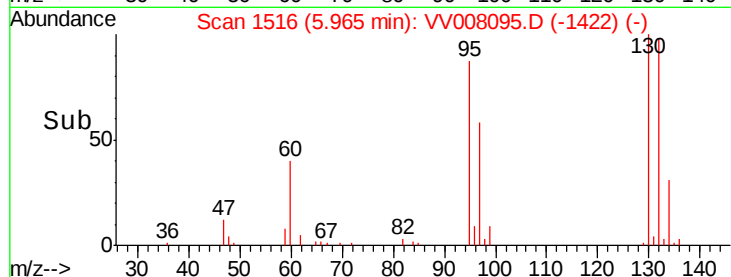
#34
 Trichloroethene
 Concen: 4.955 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Tgt Ion: 95 Resp: 35685
 Ion Ratio Lower Upper
 95 100
 97 62.3 44.9 83.5
 132 105.1 73.6 136.6
 130 107.0 76.2 141.6

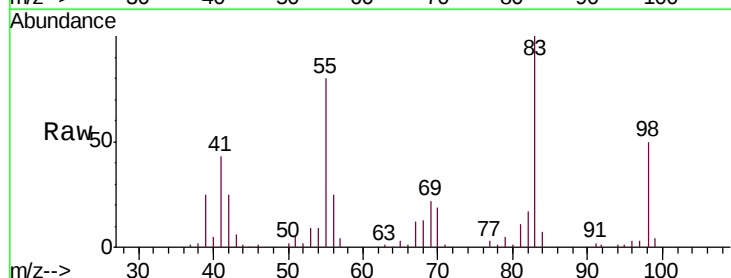


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

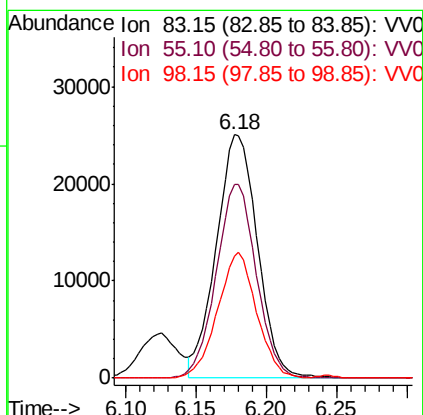
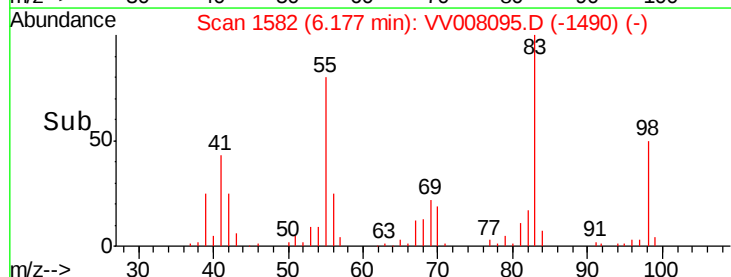


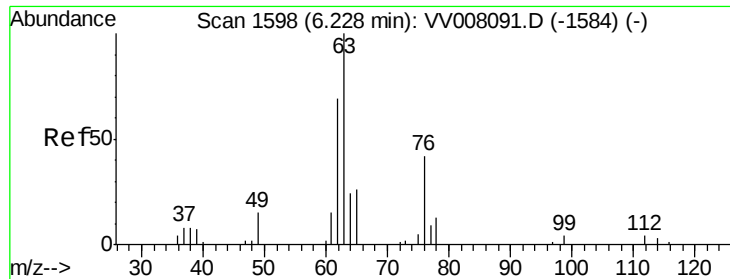
#35
 Methylcyclohexane
 Concen: 5.071 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Tgt Ion: 83 Resp: 51022
 Ion Ratio Lower Upper
 83 100
 55 77.4 63.6 95.4
 98 48.8 38.3 57.5



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: 5.067 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

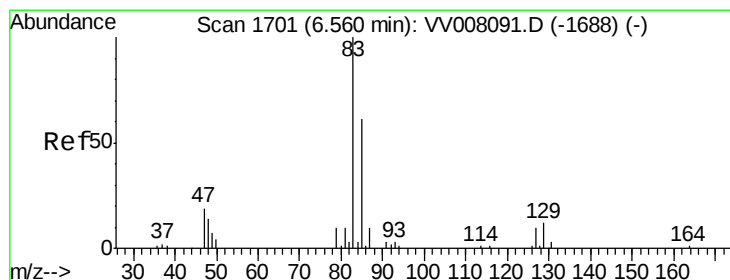
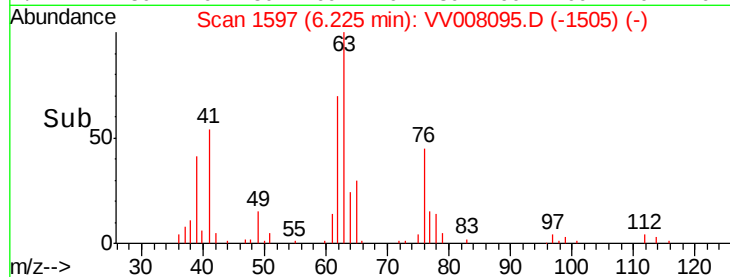
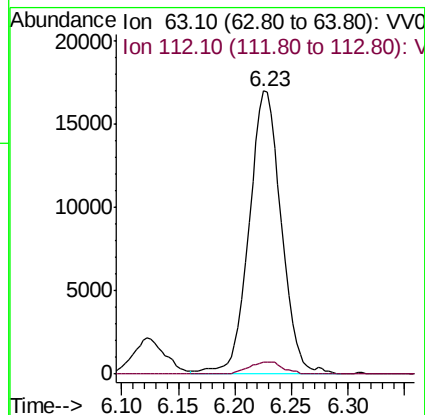
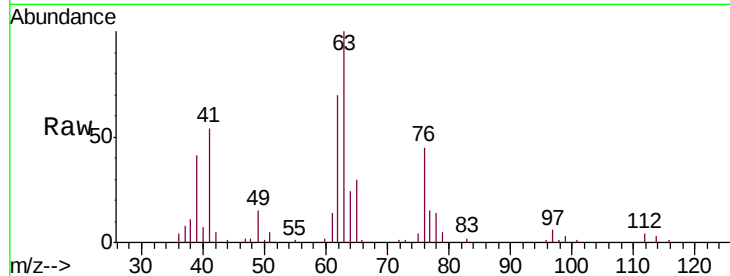
VSTD00575

Tgt Ion: 63 Resp: 33742

Ion Ratio Lower Upper

63 100

112 4.4 3.4 5.2



#38

Bromodichloromethane

Concen: 5.106 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

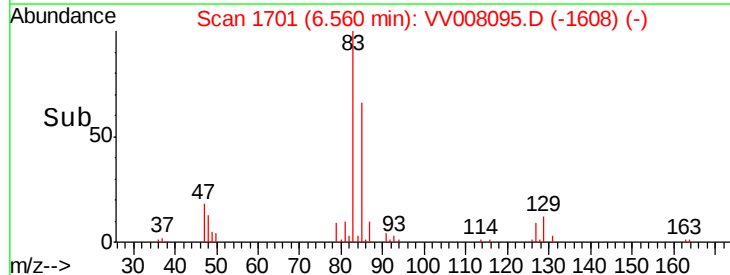
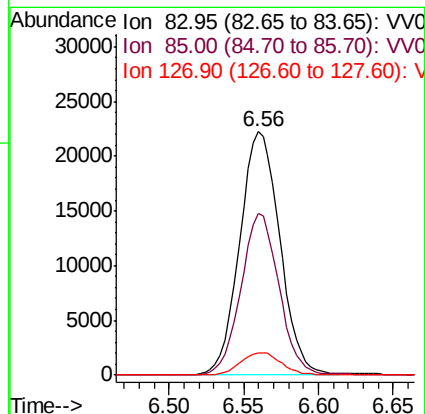
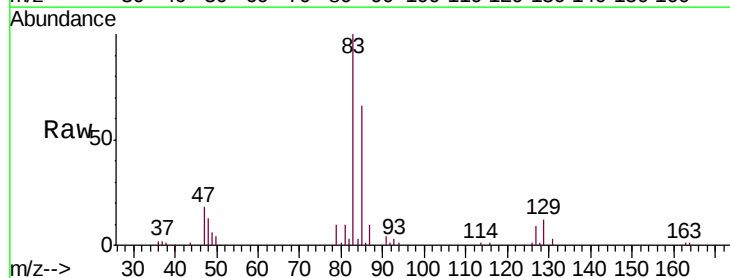
Tgt Ion: 83 Resp: 41594

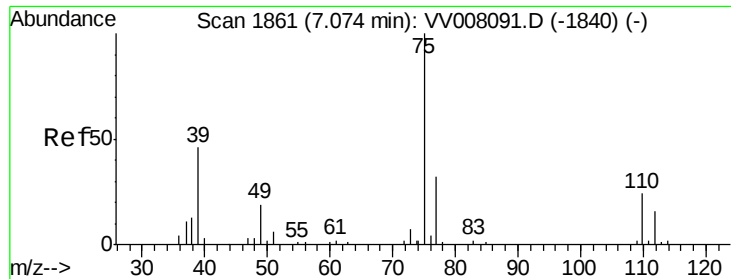
Ion Ratio Lower Upper

83 100

85 66.4 42.5 78.9

127 9.0 7.7 11.5

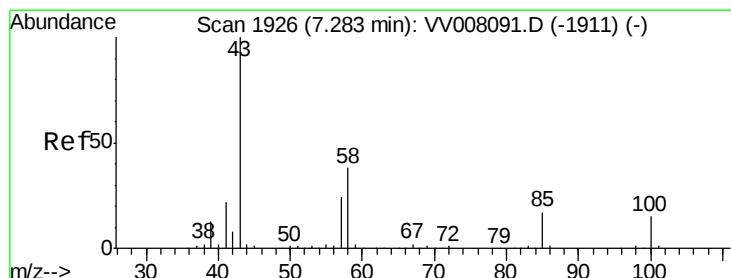
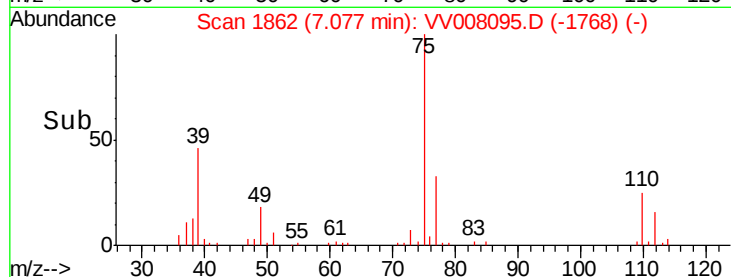
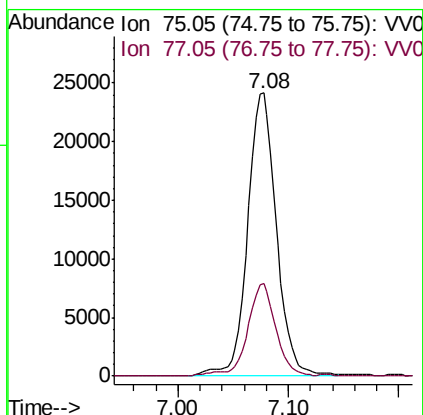
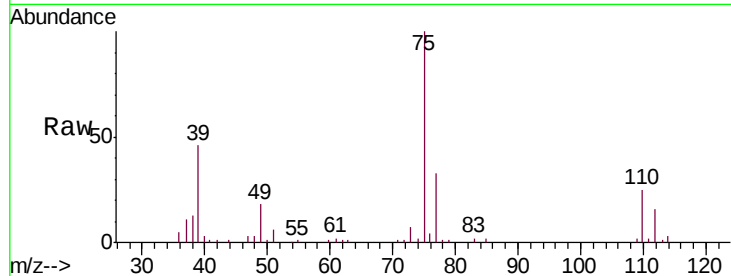




#39
 cis-1,3-Dichloropropene
 Concen: 5.114 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

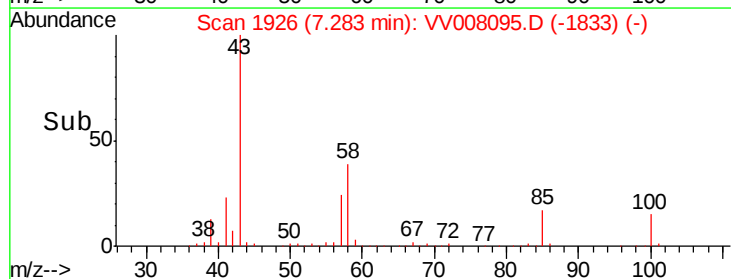
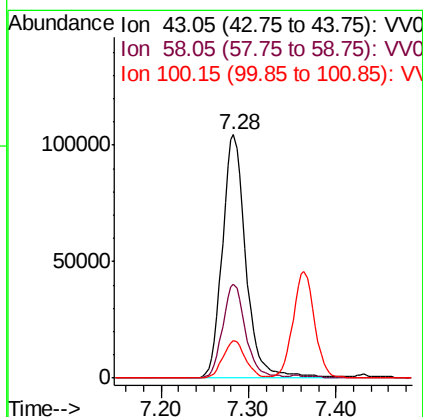
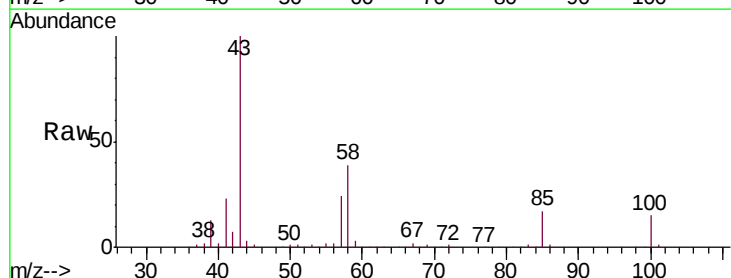
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00575

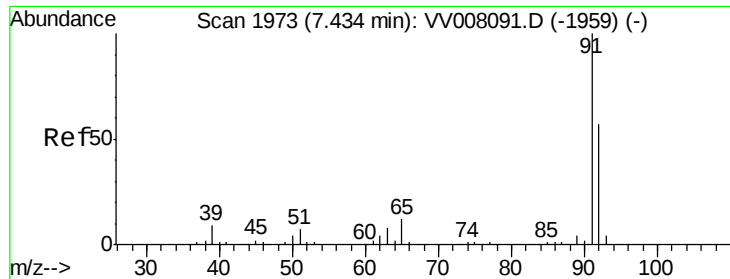
Tgt Ion: 75 Resp: 43668
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 51.985 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Tgt Ion: 43 Resp: 196181
 Ion Ratio Lower Upper
 43 100
 58 37.4 29.8 44.8
 100 14.7 11.6 17.4





#42

Toluene

Concen: 5.410 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

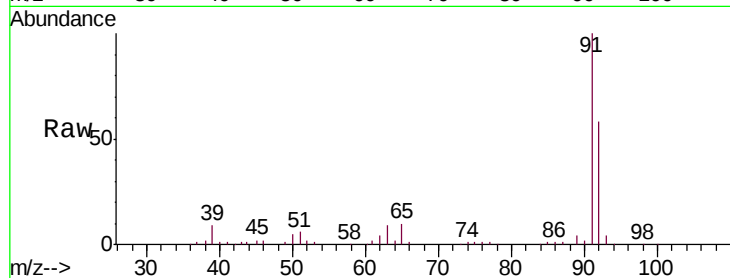
VSTD00575

Tgt Ion: 91 Resp: 141836

Ion Ratio Lower Upper

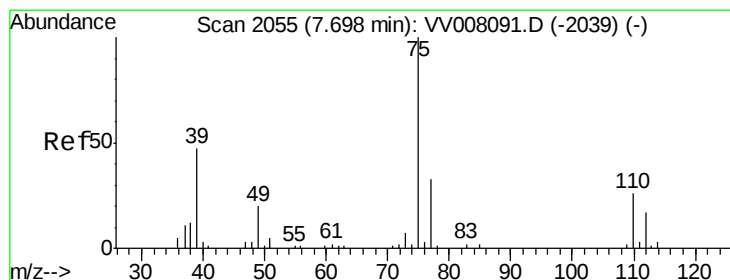
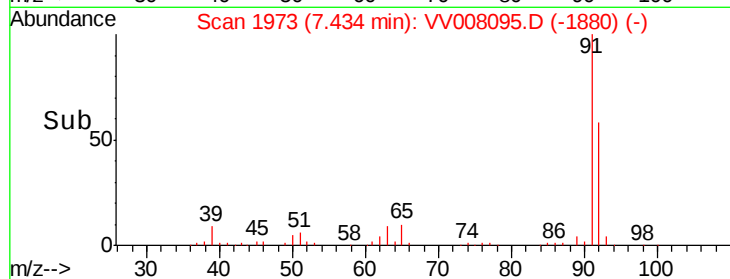
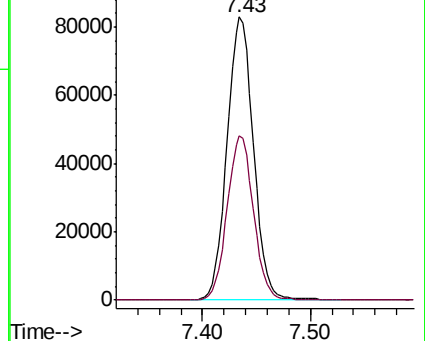
91 100

92 58.2 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV008091.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008091.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.283 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008095.D

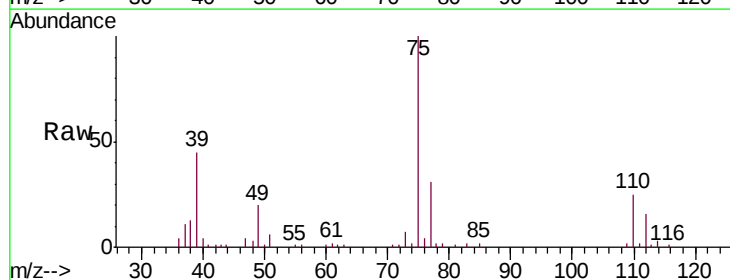
Acq: 05 Oct 2018 13:37

Tgt Ion: 75 Resp: 36687

Ion Ratio Lower Upper

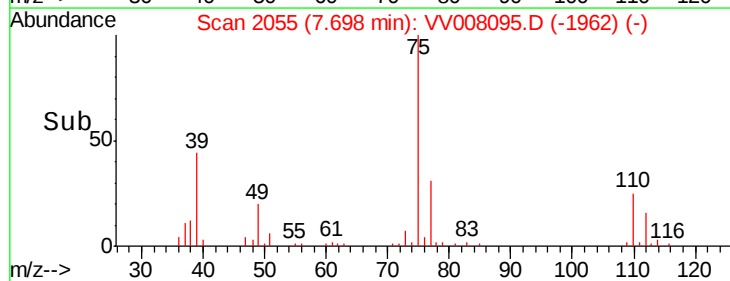
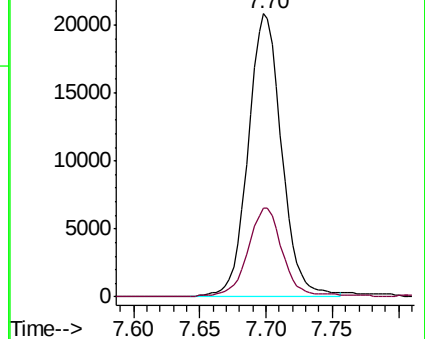
75 100

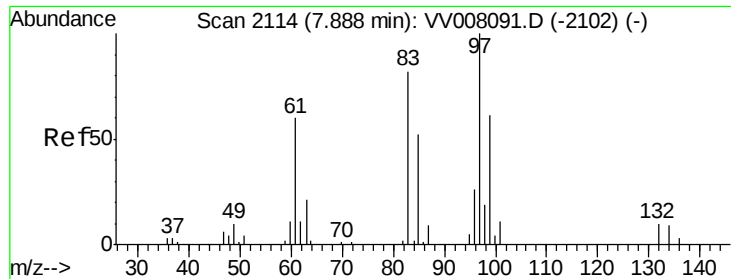
77 31.3 23.4 43.6



Abundance Ion 75.05 (74.75 to 75.75): VV008091.D (-2039) (-)

Ion 77.05 (76.75 to 77.75): VV008091.D (-2039) (-)

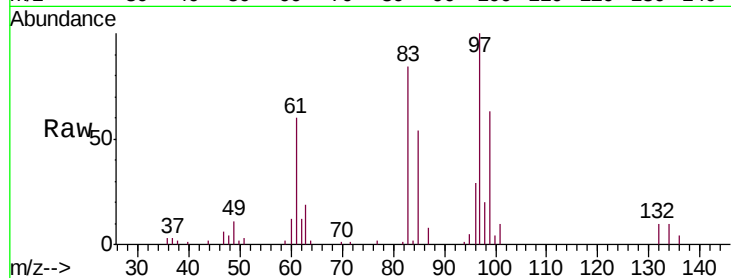




#45
 1,1,2-Trichloroethane
 Concen: 5.176 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Tgt Ion:	97	Resp:	24175
Ion	Ratio	Lower	Upper
97	100		
99	63.0	42.6	79.0
83	84.3	57.5	106.7
85	53.6	36.5	67.7



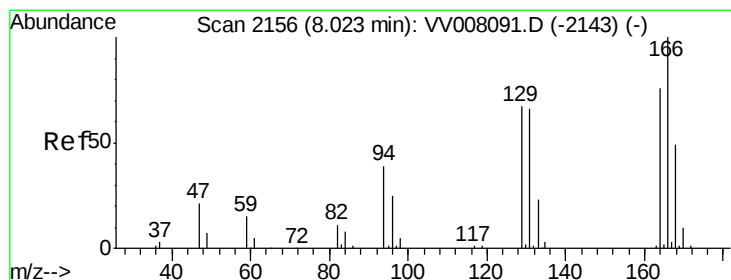
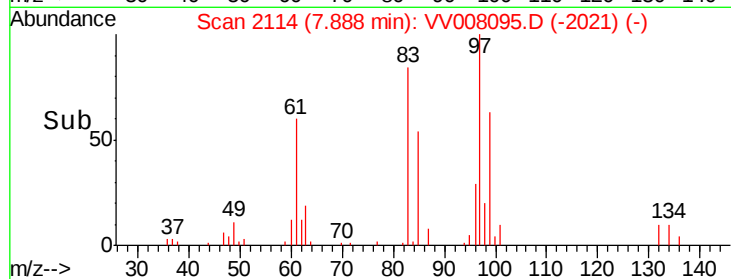
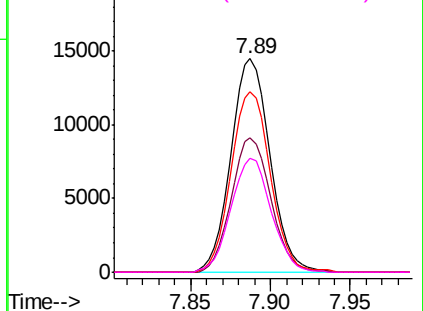
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

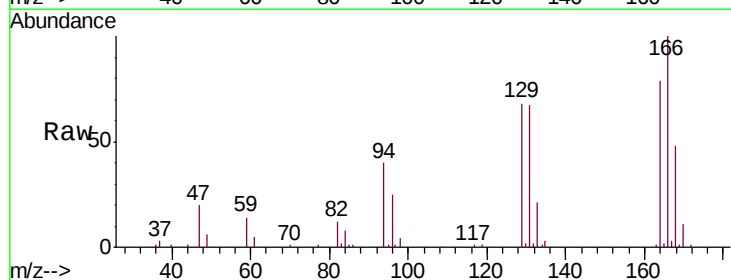
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 5.086 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Tgt Ion:	164	Resp:	32714
Ion	Ratio	Lower	Upper
164	100		
129	86.1	62.2	115.4
131	85.0	60.5	112.5
166	126.9	92.1	171.1



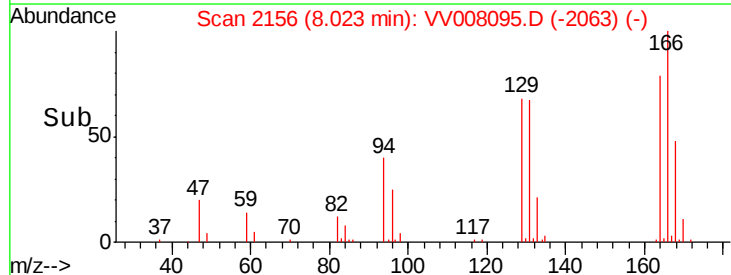
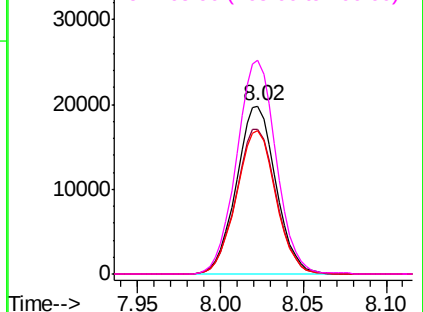
Abundance

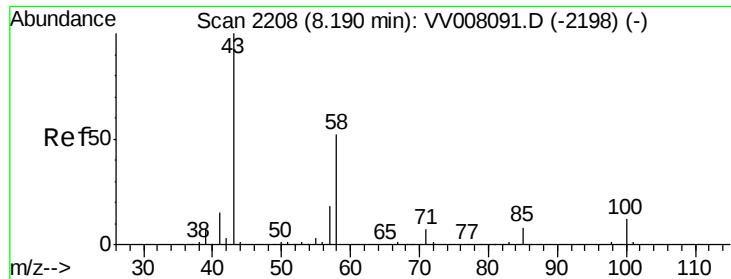
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

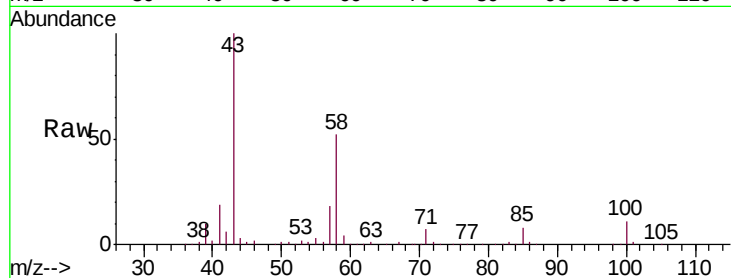




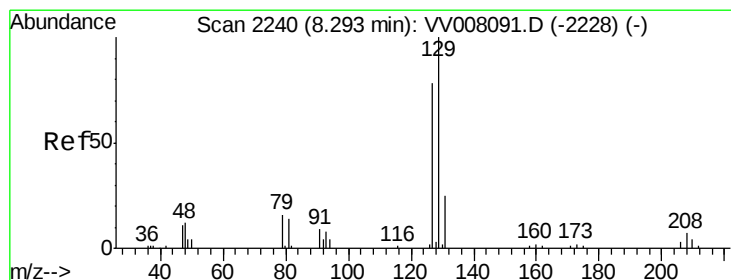
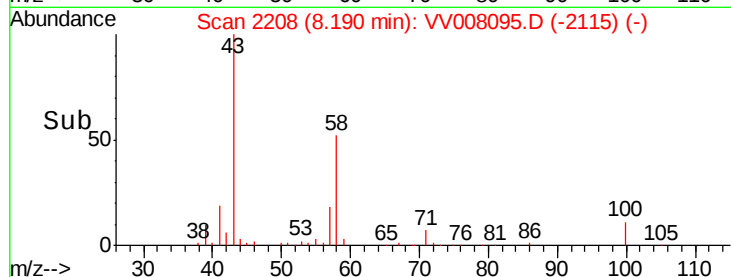
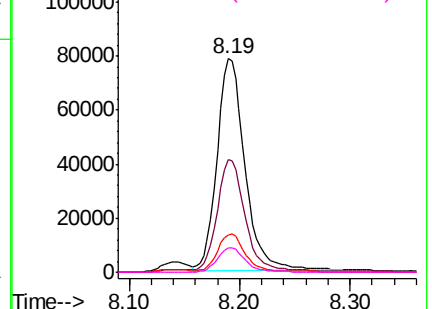
#48
2-Hexanone
Concen: 53.939 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008095.D
Acq: 05 Oct 2018 13:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

Tgt Ion: 43 Resp: 138191
Ion Ratio Lower Upper
43 100
58 51.6 40.5 60.7
57 17.2 14.6 22.0
100 11.6 9.3 13.9

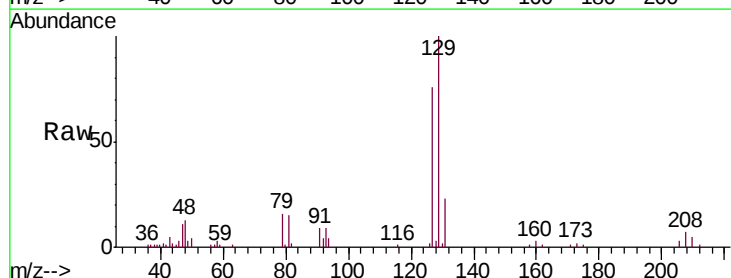


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

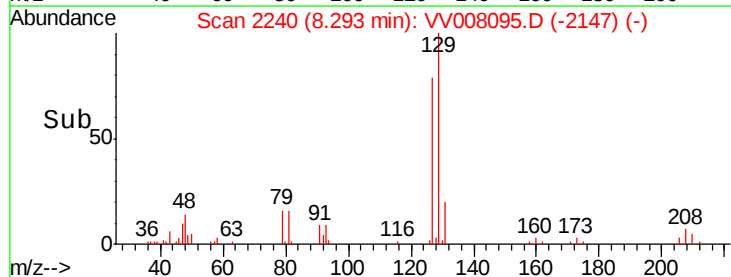
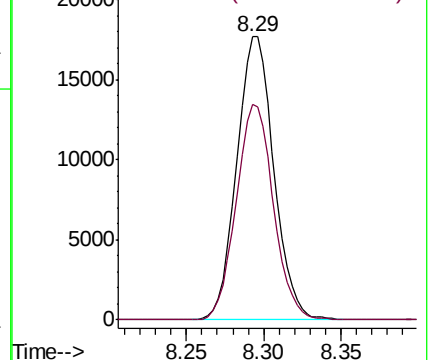


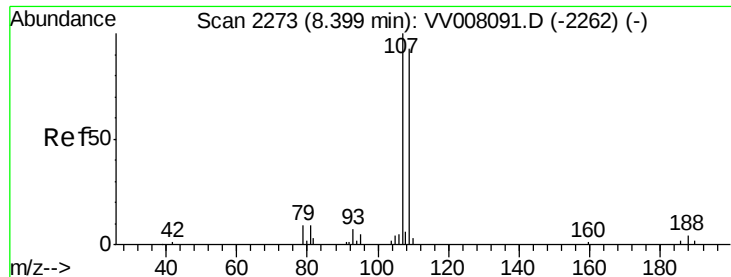
#49
Dibromochloromethane
Concen: 5.058 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008095.D
Acq: 05 Oct 2018 13:37

Tgt Ion: 129 Resp: 29474
Ion Ratio Lower Upper
129 100
127 76.0 54.5 101.3



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

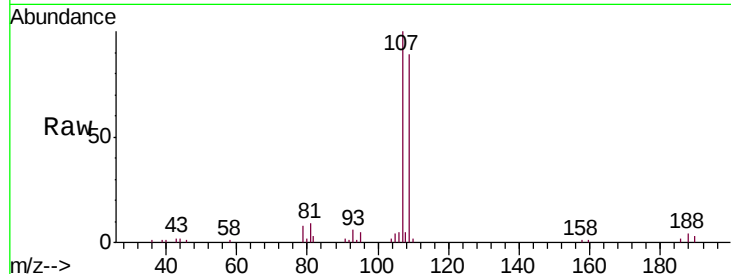




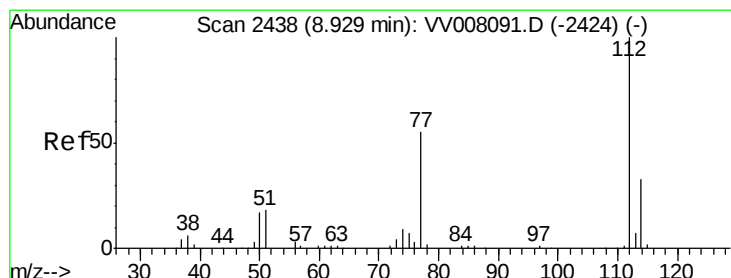
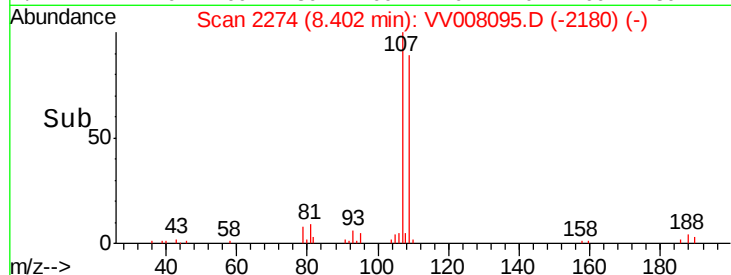
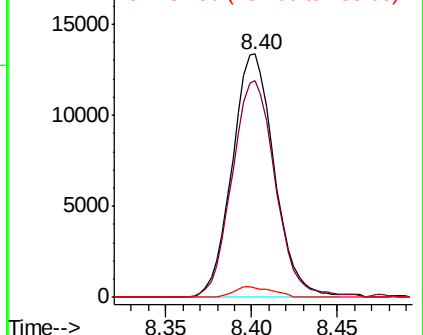
#50
1,2-Dibromoethane
Concen: 5.373 ug/L
RT: 8.40 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV008095.D
Acq: 05 Oct 2018 13:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

Tgt Ion:107 Resp: 22783
Ion Ratio Lower Upper
107 100
109 89.0 65.5 121.6
188 4.1 3.5 5.3

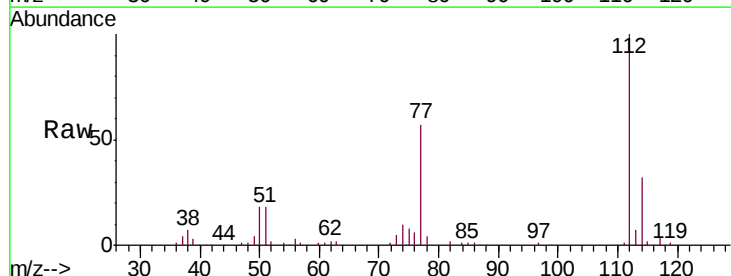


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

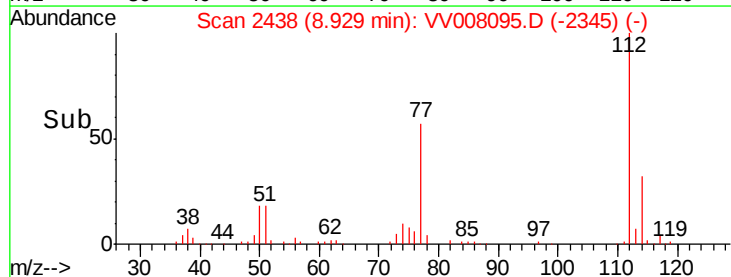
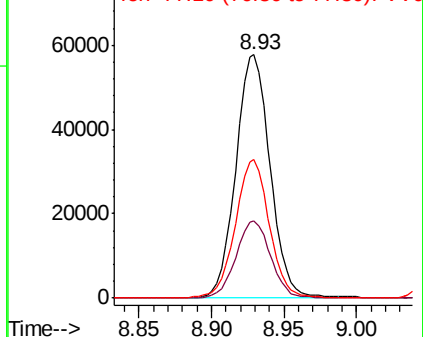


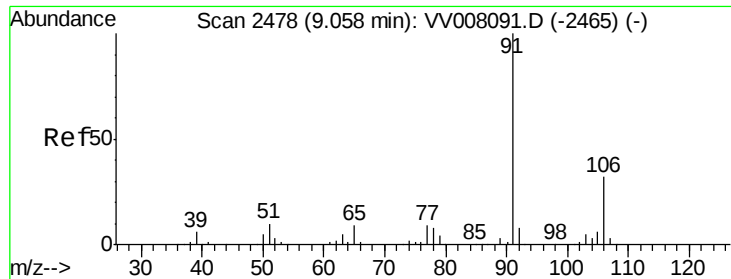
#51
Chlorobenzene
Concen: 5.167 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008095.D
Acq: 05 Oct 2018 13:37

Tgt Ion:112 Resp: 94745
Ion Ratio Lower Upper
112 100
114 31.8 22.8 42.4
77 56.9 44.6 66.8



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: 5.371 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

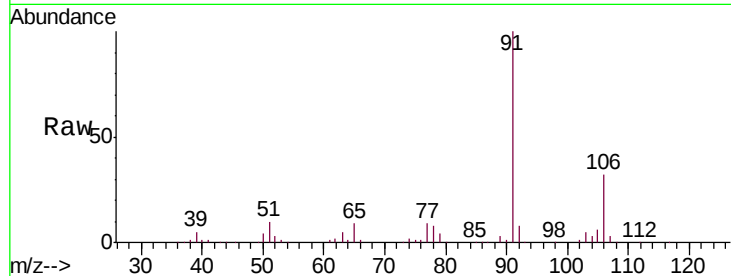
VSTD00575

Tgt Ion: 91 Resp: 153698

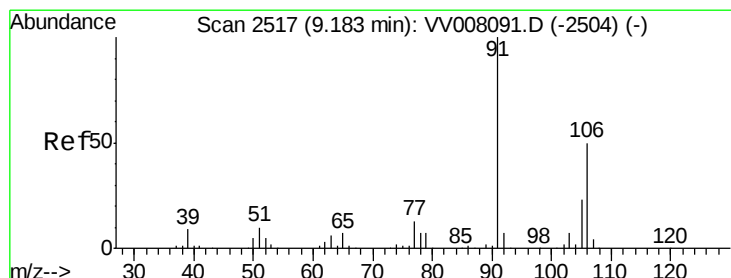
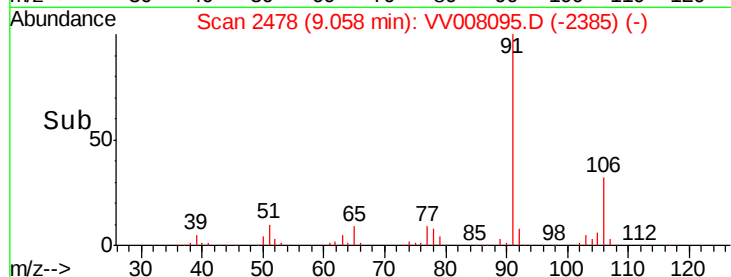
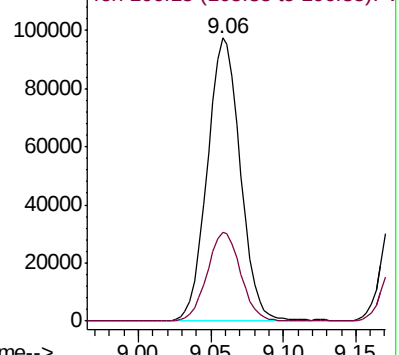
Ion Ratio Lower Upper

91 100

106 31.5 22.3 41.5



Abundance Ion 91.15 (90.85 to 91.85): VV008095.D (-2465) (-)



#53

m,p-xylene

Concen: 5.485 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008095.D

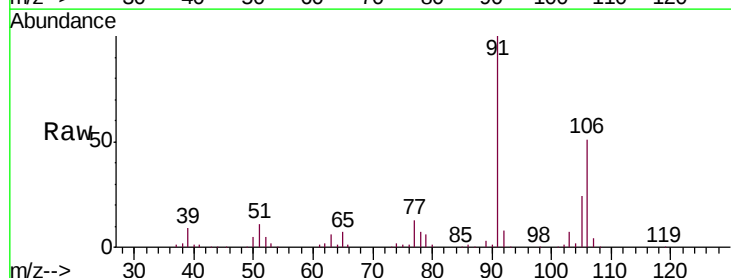
Acq: 05 Oct 2018 13:37

Tgt Ion: 106 Resp: 59497

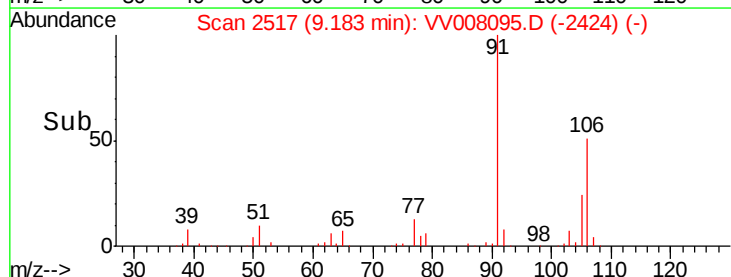
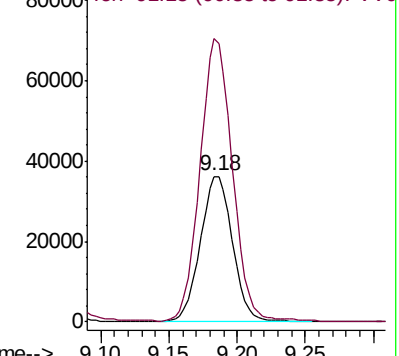
Ion Ratio Lower Upper

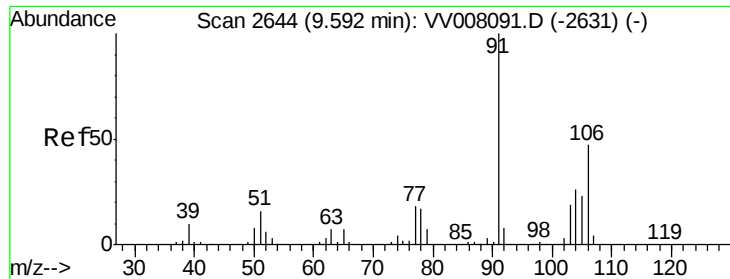
106 100

91 194.8 140.8 261.4



Abundance Ion 106.15 (105.85 to 106.85): VV008095.D (-2504) (-)

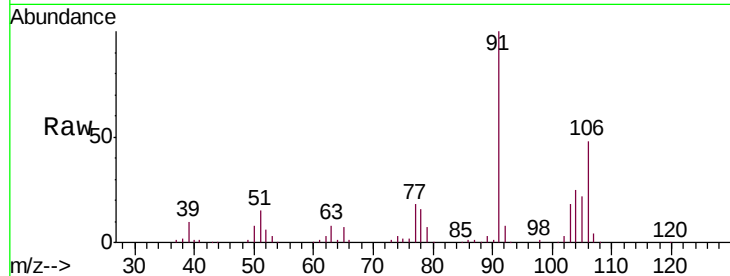




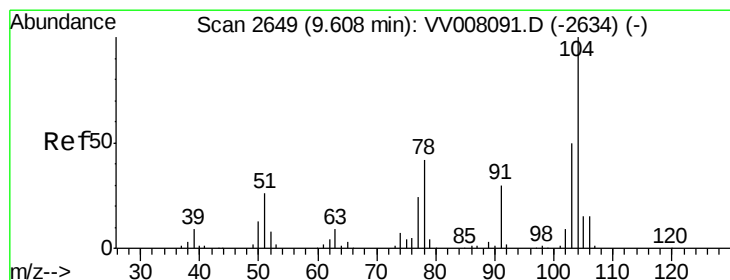
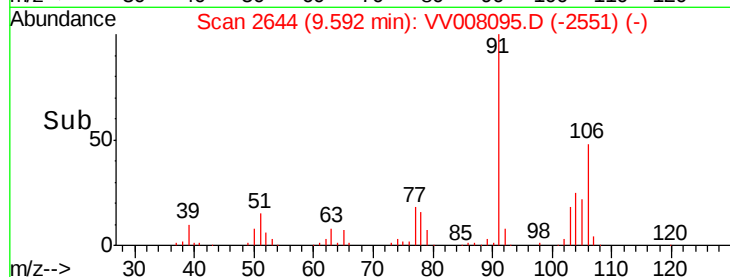
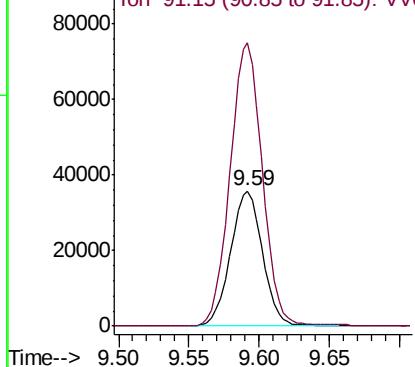
#54
o-xylene
Concen: 5.488 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008095.D
Acq: 05 Oct 2018 13:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD00575

Tgt Ion:106 Resp: 56841
Ion Ratio Lower Upper
106 100
91 209.3 149.1 276.9

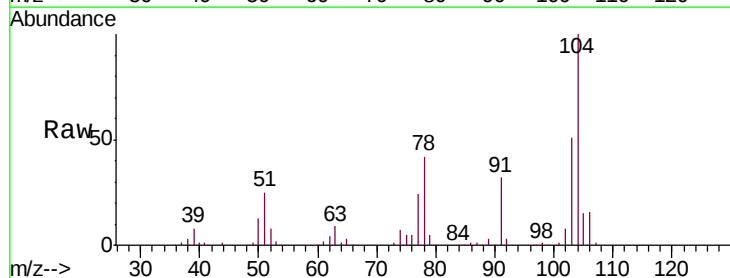


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

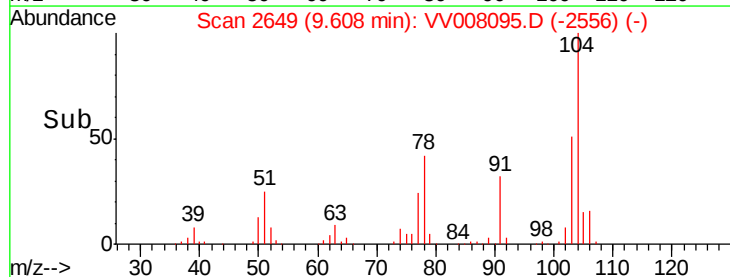
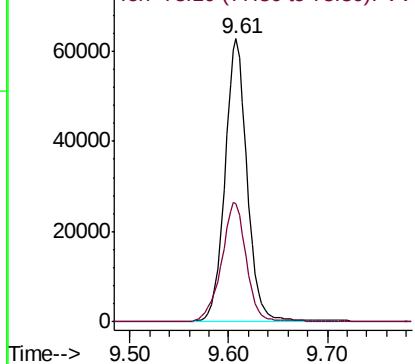


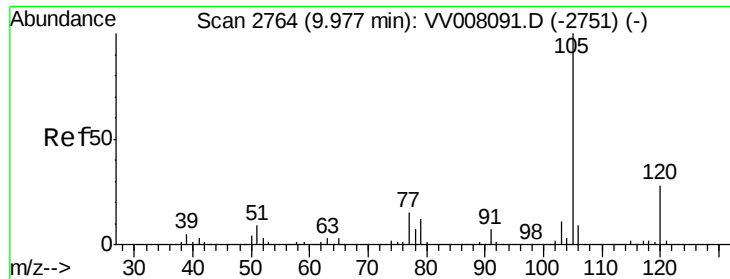
#55
Styrene
Concen: 5.645 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008095.D
Acq: 05 Oct 2018 13:37

Tgt Ion:104 Resp: 99556
Ion Ratio Lower Upper
104 100
78 41.7 29.5 54.9



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





#56

Isopropylbenzene

Concen: 5.433 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

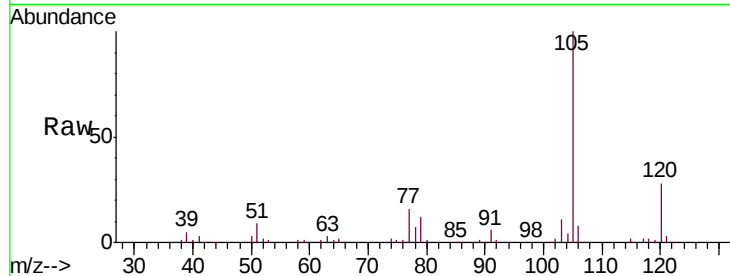
Tgt Ion: 105 Resp: 154772

Ion Ratio Lower Upper

105 100

120 26.9 21.9 32.9

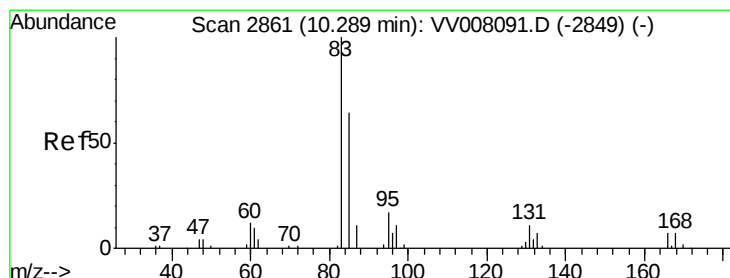
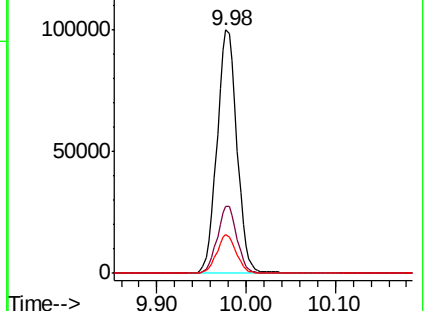
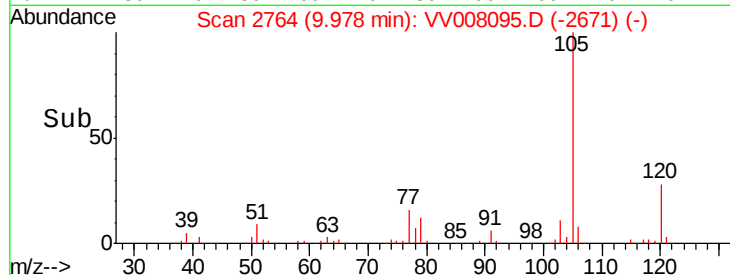
77 15.5 12.2 18.4



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: 5.171 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

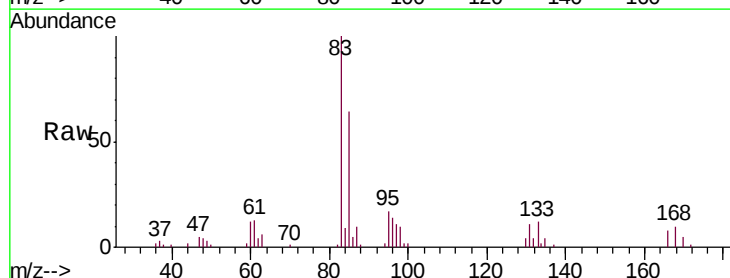
Tgt Ion: 83 Resp: 28002

Ion Ratio Lower Upper

83 100

85 64.1 45.1 83.7

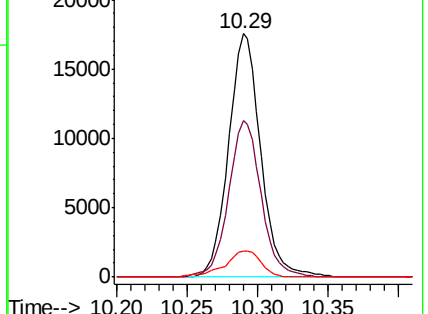
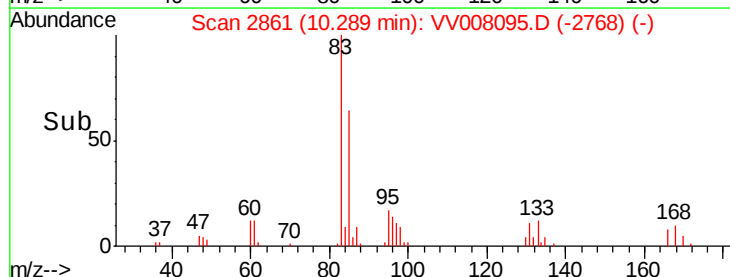
131 10.6 8.8 13.2

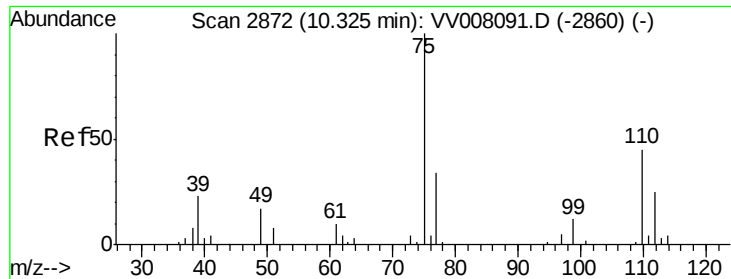


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.135 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

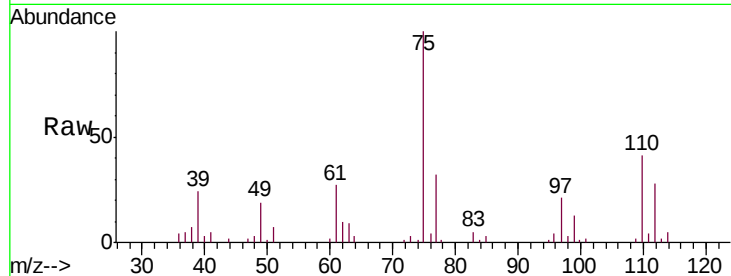
VSTD00575

Tgt Ion: 75 Resp: 19965

Ion Ratio Lower Upper

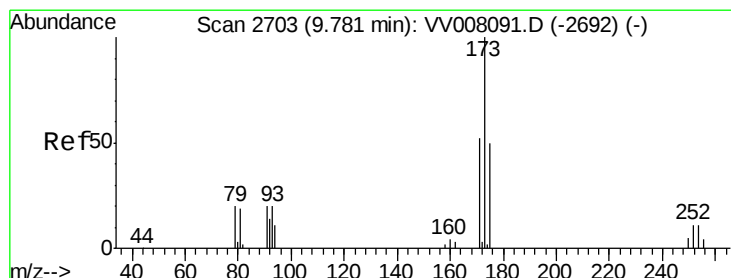
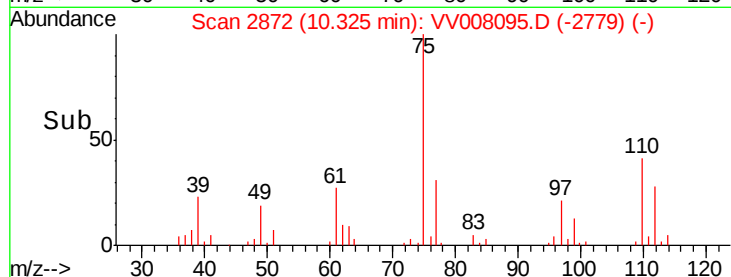
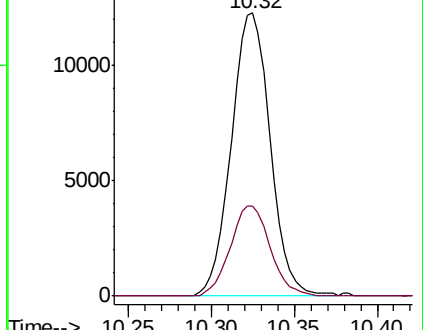
75 100

77 32.7 27.8 41.6



Abundance Ion 75.00 (74.70 to 75.70): VV008091.D (-2860) (-)

Ion 77.00 (76.70 to 77.70): VV008091.D (-2860) (-)



#61

Bromoform

Concen: 5.265 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

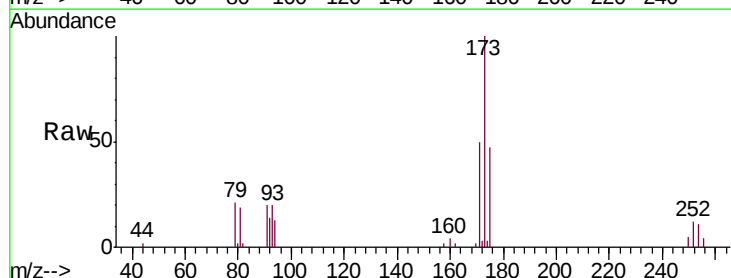
Tgt Ion: 173 Resp: 16678

Ion Ratio Lower Upper

173 100

175 47.9 39.8 59.8

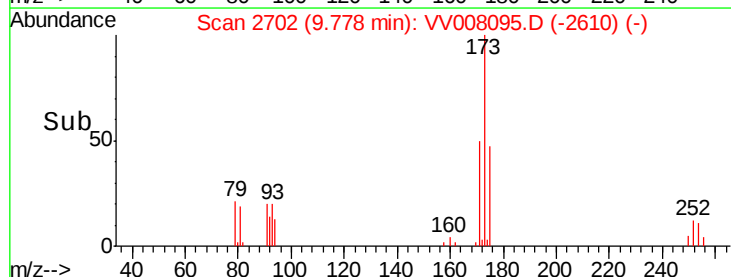
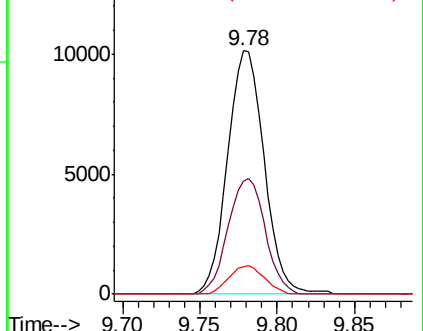
254 11.2 9.4 14.0

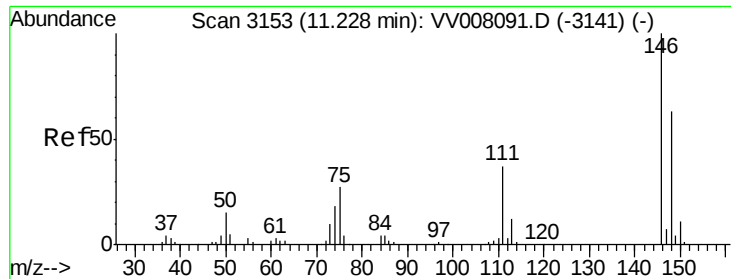


Abundance Ion 172.90 (172.60 to 173.60): VV008091.D (-2692) (-)

Ion 174.90 (174.60 to 175.60): VV008091.D (-2692) (-)

Ion 253.75 (253.45 to 254.45): VV008091.D (-2692) (-)





#62

1,3-Dichlorobenzene

Concen: 5.218 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

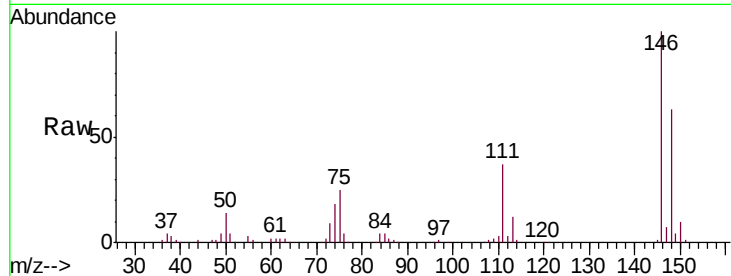
Tgt Ion:146 Resp: 79920

Ion Ratio Lower Upper

146 100

111 37.0 25.8 48.0

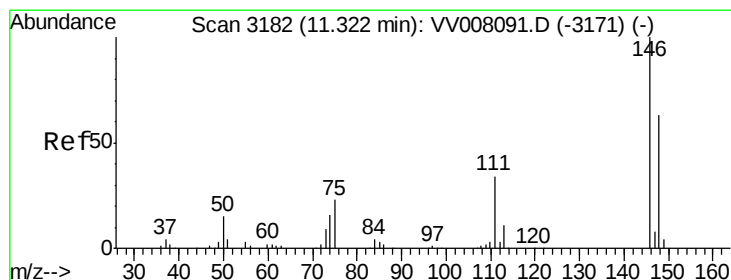
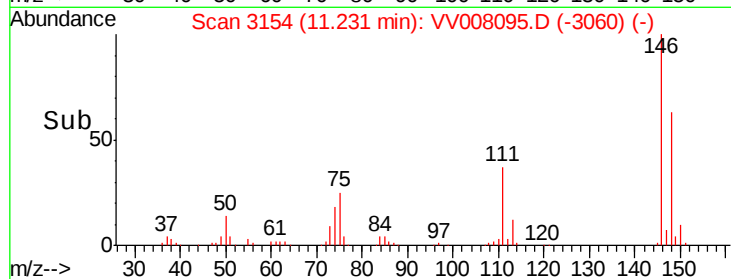
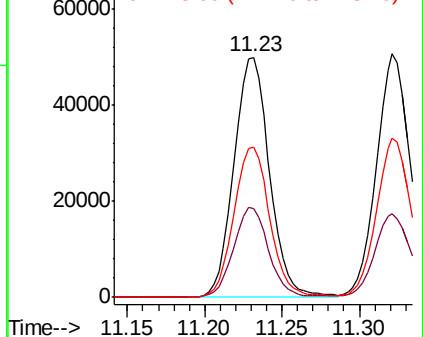
148 62.6 44.4 82.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.112 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

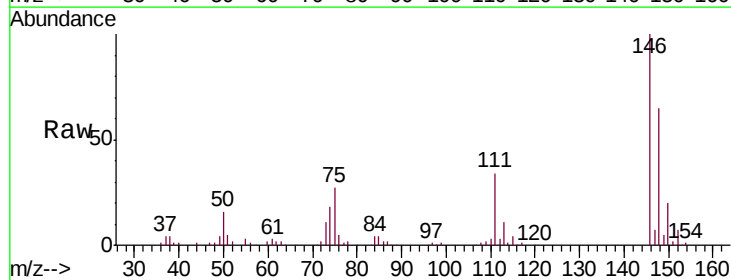
Tgt Ion:146 Resp: 79811

Ion Ratio Lower Upper

146 100

111 34.4 24.2 45.0

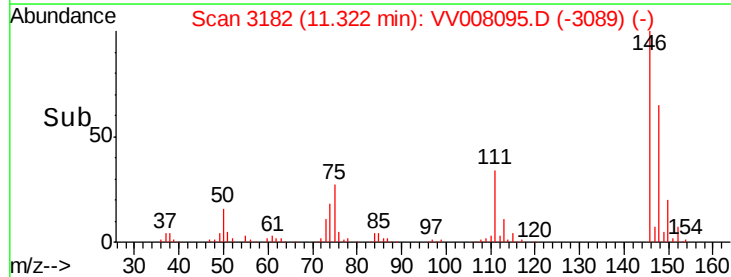
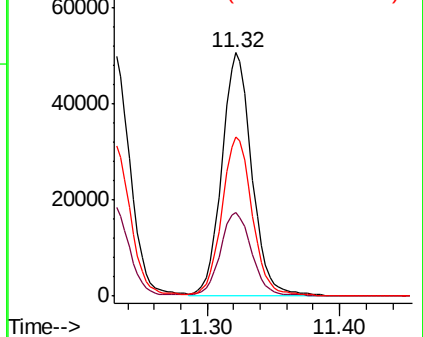
148 65.4 44.0 81.6

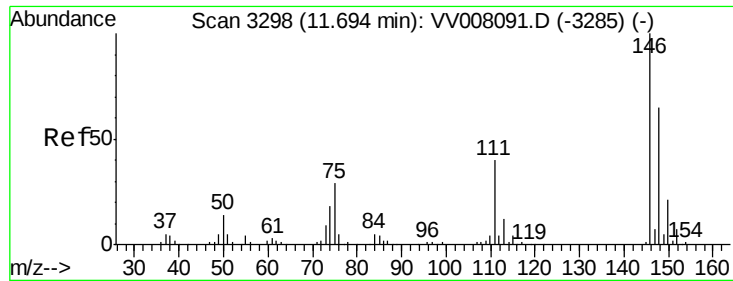


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.170 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

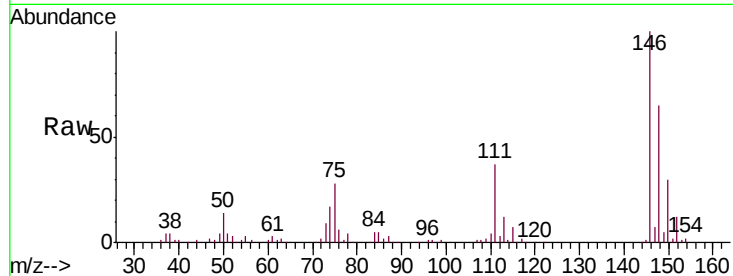
Tgt Ion:146 Resp: 76509

Ion Ratio Lower Upper

146 100

111 37.2 31.8 47.6

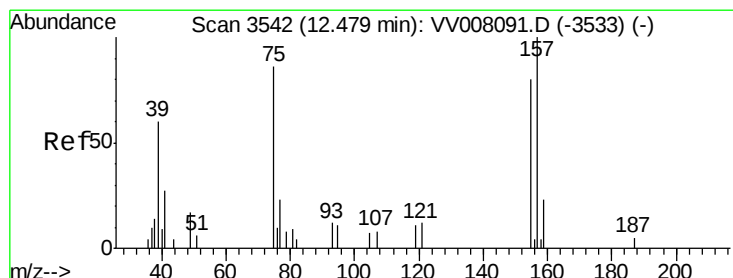
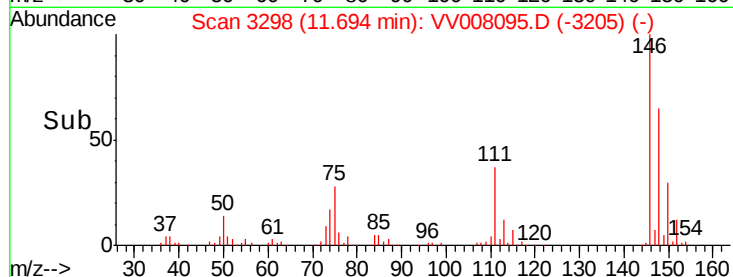
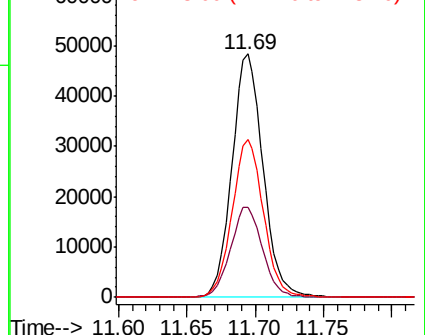
148 64.8 52.2 78.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 5.198 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

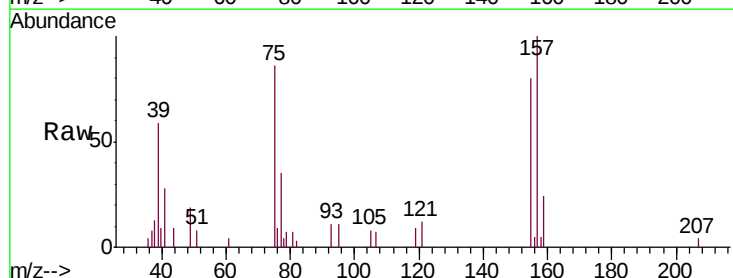
Tgt Ion: 75 Resp: 4017

Ion Ratio Lower Upper

75 100

155 92.8 74.7 112.1

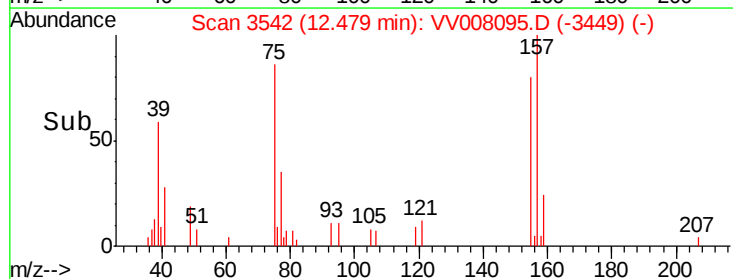
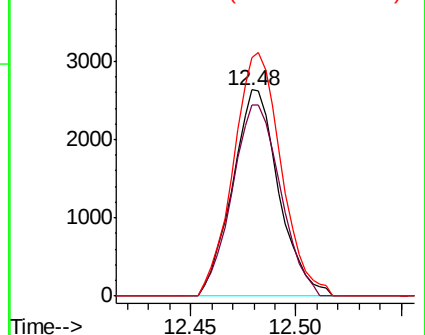
157 116.0 93.1 139.7

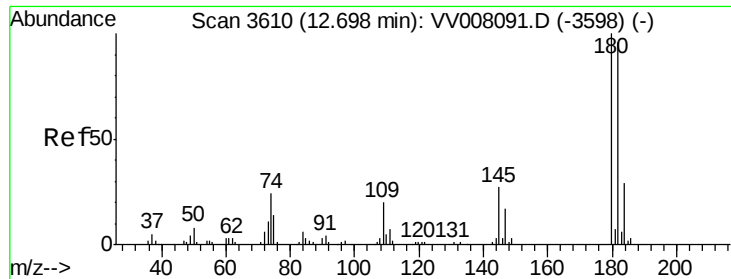


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

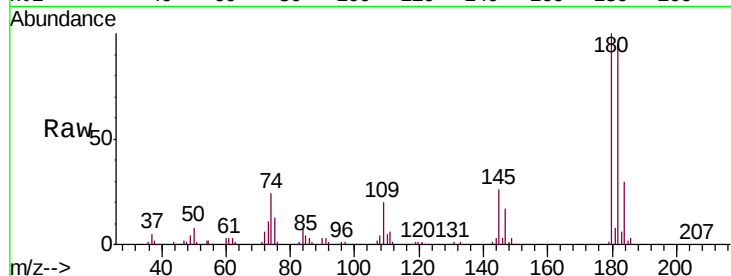




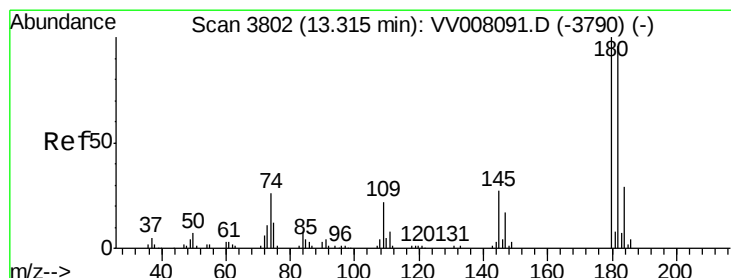
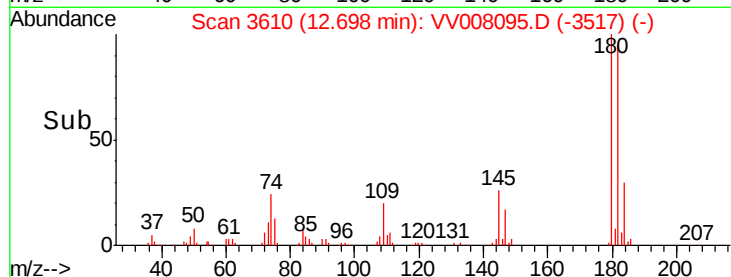
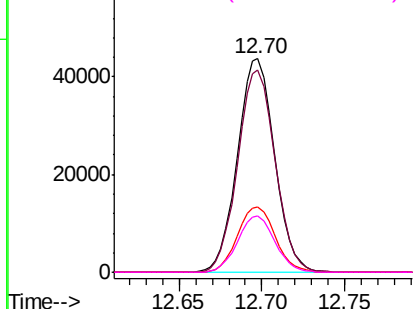
#67
 1,3,5-Trichlorobenzene
 Concen: 5.214 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00575

Tgt Ion:180 Resp: 68054
 Ion Ratio Lower Upper
 180 100
 182 95.6 77.0 115.6
 184 31.0 24.2 36.2
 145 26.5 22.2 33.2

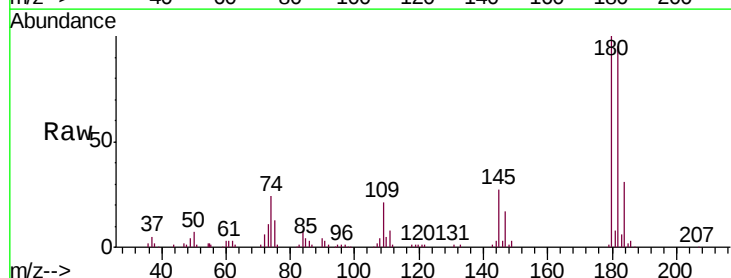


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

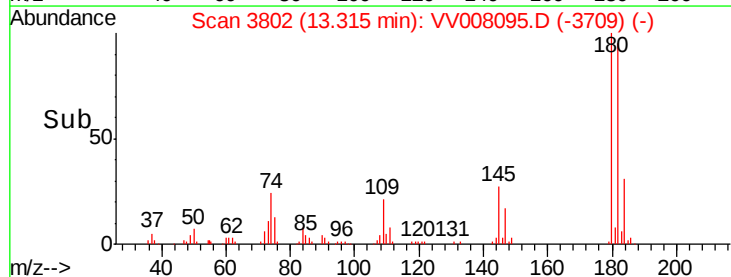
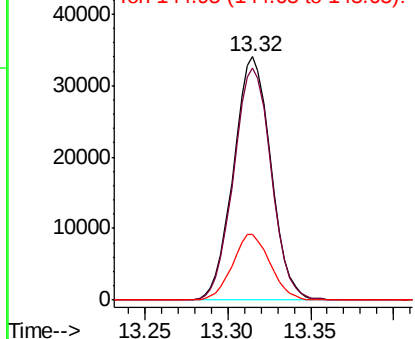


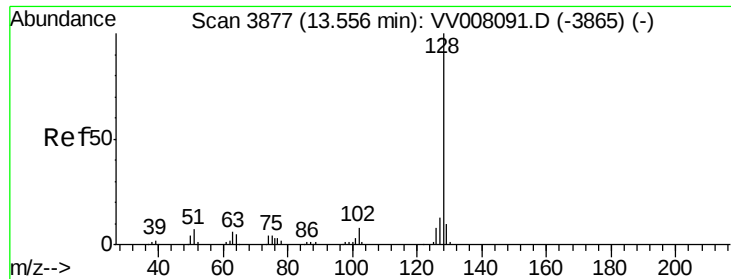
#68
 1,2,4-trichlorobenzene
 Concen: 5.467 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008095.D
 Acq: 05 Oct 2018 13:37

Tgt Ion:180 Resp: 53233
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.6 114.8
 145 27.3 22.1 33.1



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: 5.425 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD00575

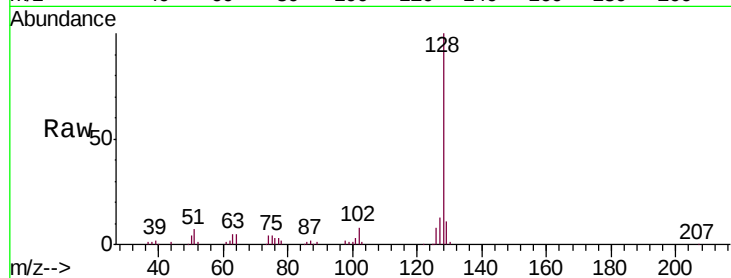
Tgt Ion:128 Resp: 67437

Ion Ratio Lower Upper

128 100

129 10.6 8.5 12.7

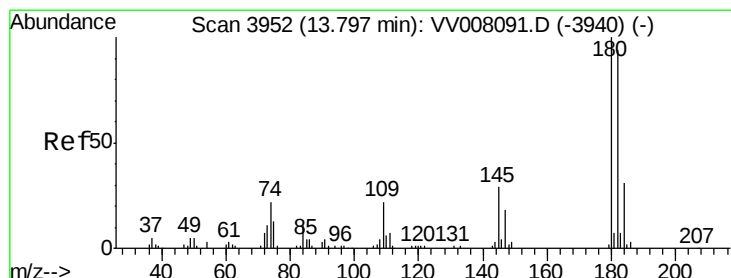
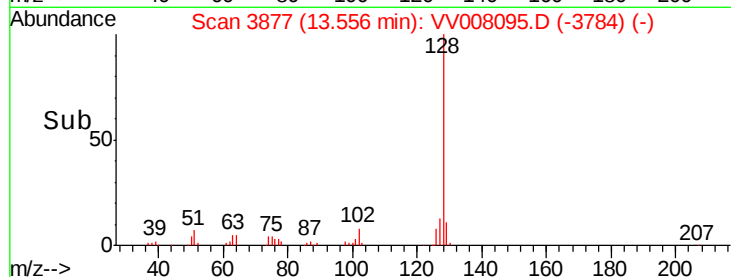
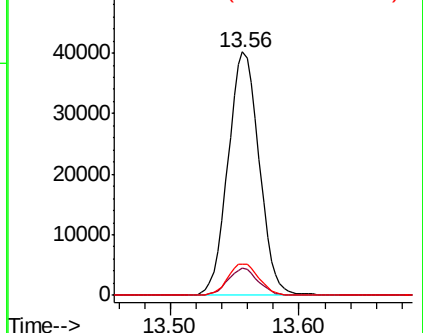
127 12.8 10.2 15.2



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: 5.324 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008095.D

Acq: 05 Oct 2018 13:37

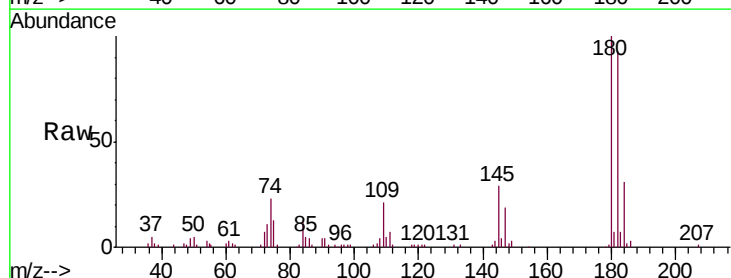
Tgt Ion:180 Resp: 49300

Ion Ratio Lower Upper

180 100

182 95.5 75.1 112.7

145 28.9 23.2 34.8



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

