

Data File : VV008066.D
Acq On : 04 Oct 2018 17:22
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Quant Time: Oct 05 05:22:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:20:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	88200	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	84112	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	46949	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20280	4.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.80%
7) Chloroethane-d5	1.59	69	18631	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.14	63	48424	4.54	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.80%
20) 2-Butanone-d5	3.96	46	76793	54.00	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.00%
24) Chloroform-d	4.41	84	56254	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.09	65	28679	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.10	84	102331	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.00%
36) 1,2-Dichloropropane-d6	6.12	67	34128	5.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.20%
41) Toluene-d8	7.36	98	102032	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.80%
43) trans-1,3-Dichloropropene-	7.67	79	12379	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.14	63	57218	52.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.76%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	25950	5.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	43464	4.78	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	37934	5.128	ug/L 100
3) Chloromethane	1.25	50	31537	4.791	ug/L 99
5) Vinyl chloride	1.33	62	34455	4.890	ug/L 96
6) Bromomethane	1.54	94	20770	4.779	ug/L 95
8) Chloroethane	1.60	64	21184	4.985	ug/L 99
9) Trichlorofluoromethane	1.77	101	60214	5.235	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34365	5.267	ug/L 98
12) 1,1-Dichloroethene	2.15	96	28759	4.933	ug/L 95
13) Acetone	2.21	43	49059	47.345	ug/L 100
14) Carbon disulfide	2.32	76	69643	4.407	ug/L 99
15) Methyl Acetate	2.47	43	12169	4.592	ug/L 99
16) Methylene chloride	2.54	84	32605	5.033	ug/L 92
17) Methyl tert-butyl Ether	2.81	73	72409	5.027	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	31631	4.922	ug/L 99
19) 1,1-Dichloroethane	3.23	63	59496	5.426	ug/L 99
21) 2-Butanone	4.05	43	84376	51.110	ug/L 100
22) cis-1,2-Dichloroethene	3.97	96	35813	5.504	ug/L 100

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Oct 05 05:20:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	16202	5.725	ug/L	91
25) Chloroform	4.43	83	65015	5.482	ug/L	96
27) 1,2-Dichloroethane	5.19	62	38293	5.017	ug/L	96
29) 1,1,1-Trichloroethane	4.66	97	57531	5.688	ug/L	99
30) Cyclohexane	4.73	56	48253	5.075	ug/L	99
31) Carbon tetrachloride	4.88	117	50687	5.685	ug/L	100
33) Benzene	5.15	78	133757	5.554	ug/L	100
34) Trichloroethene	5.96	95	36765	5.331	ug/L	94
35) Methylcyclohexane	6.18	83	53217	5.146	ug/L	99
37) 1,2-Dichloropropane	6.23	63	34786	5.654	ug/L	99
38) Bromodichloromethane	6.56	83	42436	5.768	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	45415	5.518	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	202792	52.511	ug/L	100
42) Toluene	7.43	91	147688	5.631	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	37775	5.521	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	24423	5.500	ug/L	99
47) Tetrachloroethene	8.02	164	34416	5.385	ug/L	98
48) 2-Hexanone	8.19	43	145404	54.134	ug/L	98
49) Dibromochloromethane	8.29	129	29700	5.859	ug/L	99
50) 1,2-Dibromoethane	8.40	107	22128	5.452	ug/L #	96
51) Chlorobenzene	8.93	112	98130	5.416	ug/L	99
52) Ethylbenzene	9.06	91	157972	5.399	ug/L	99
53) m,p-xylene	9.18	106	61554	5.524	ug/L	99
54) o-xylene	9.59	106	59667	5.544	ug/L	95
55) Styrene	9.61	104	102282	5.565	ug/L	100
56) Isopropylbenzene	9.98	105	161856	5.553	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	27641	5.300	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	20442	5.340	ug/L	99
61) Bromoform	9.78	173	16537	5.865	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	83601	5.394	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	84638	5.252	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	79836	5.464	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3966	5.328	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	72988	5.500	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	56402	5.028	ug/L	99
69) Naphthalene	13.56	128	69618	4.437	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	53076	5.225	ug/L	100

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

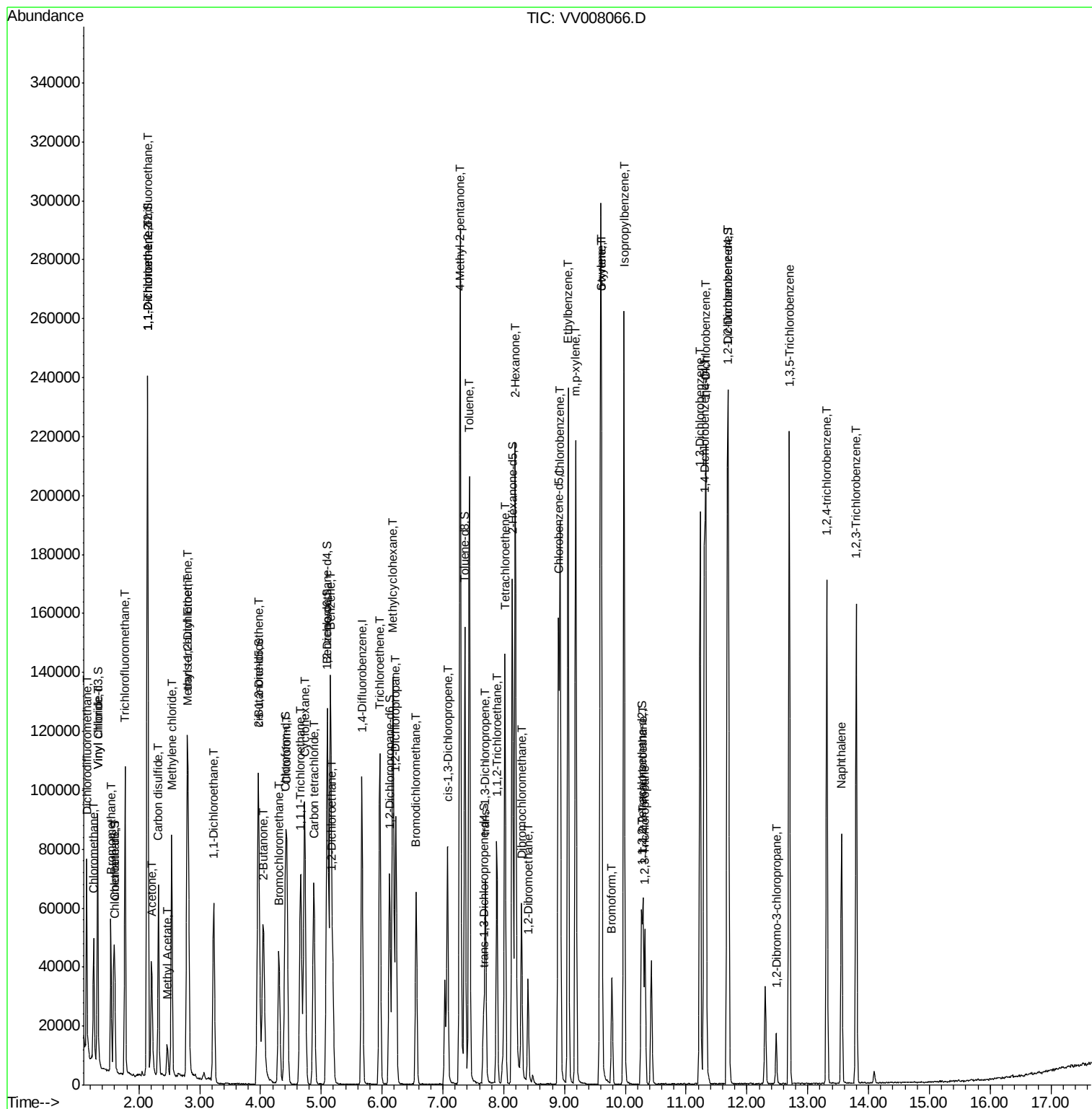
Quant Time: Oct 05 05:22:38 2018

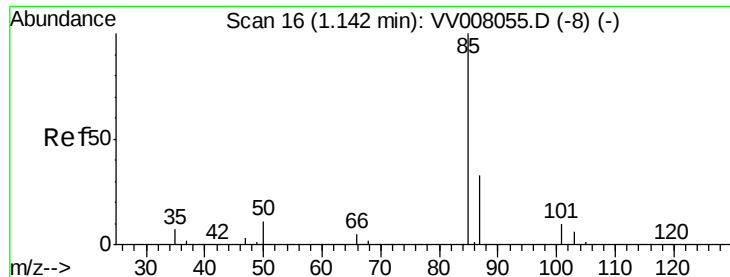
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR092718WMA.M

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.128 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

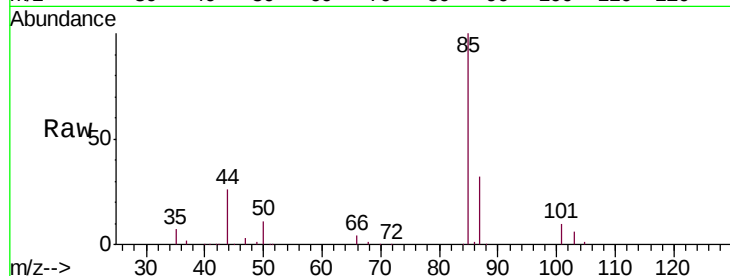
VSTD00571

Tgt Ion: 85 Resp: 37934

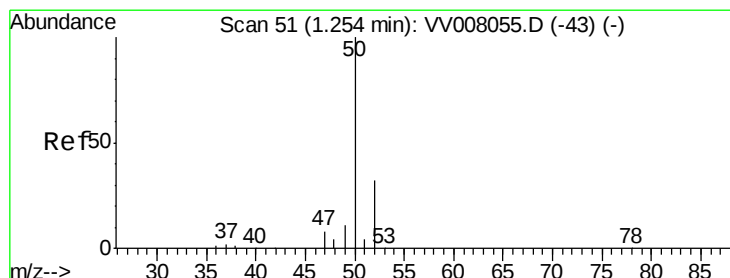
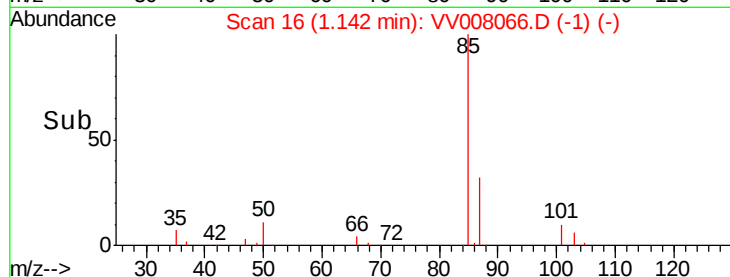
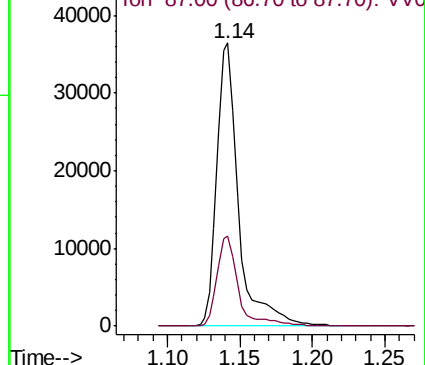
Ion Ratio Lower Upper

85 100

87 31.3 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV008055.D (-8) (-)



#3

Chloromethane

Concen: 4.791 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008066.D

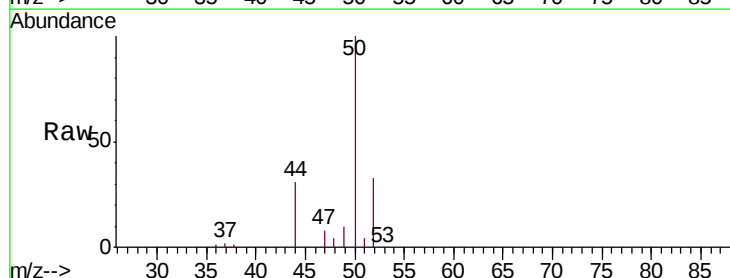
Acq: 04 Oct 2018 17:22

Tgt Ion: 50 Resp: 31537

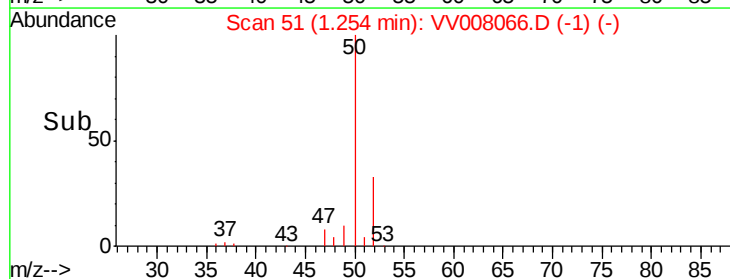
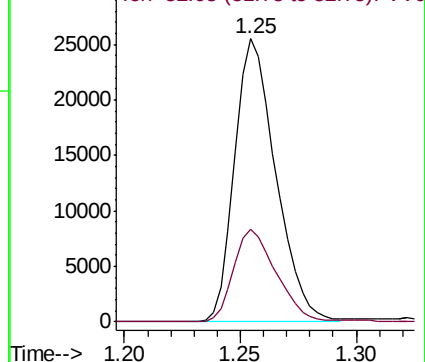
Ion Ratio Lower Upper

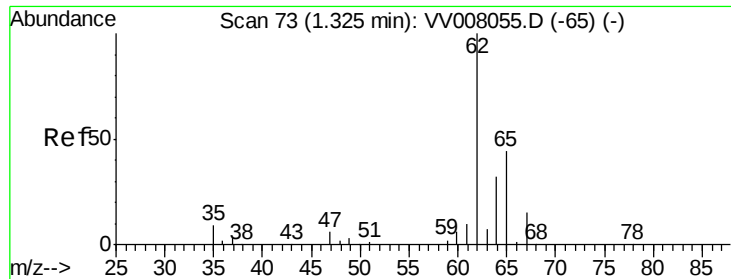
50 100

52 32.6 23.4 43.4



Abundance Ion 50.05 (49.75 to 50.75): VV008055.D (-43) (-)





#5

Vinyl chloride

Concen: 4.890 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

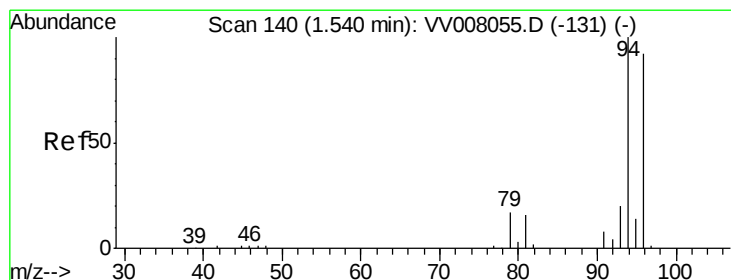
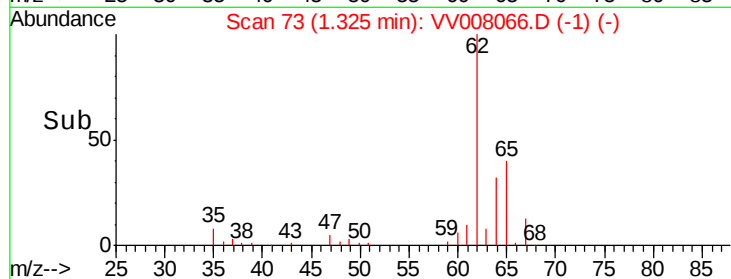
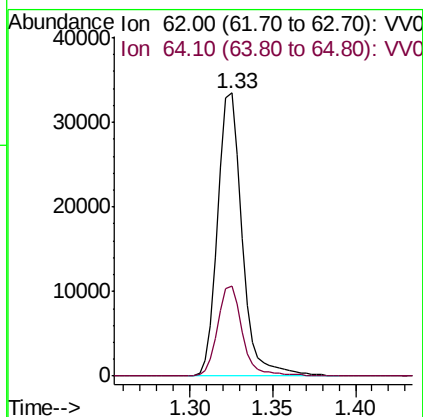
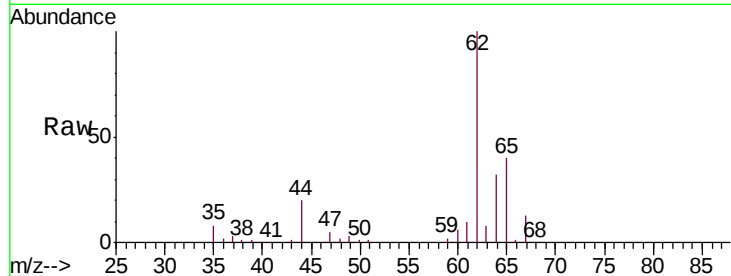
VSTD00571

Tgt Ion: 62 Resp: 34455

Ion Ratio Lower Upper

62 100

64 32.0 24.0 44.6



#6

Bromomethane

Concen: 4.779 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV008066.D

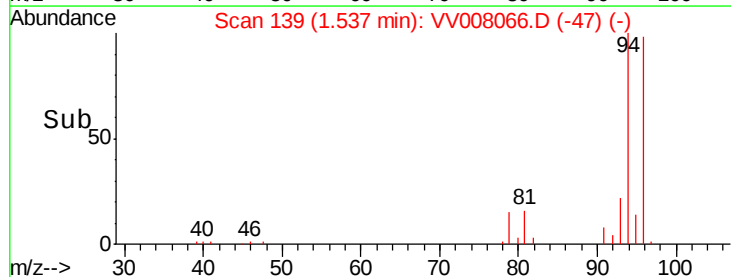
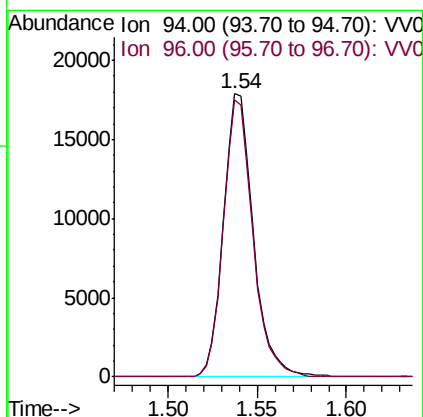
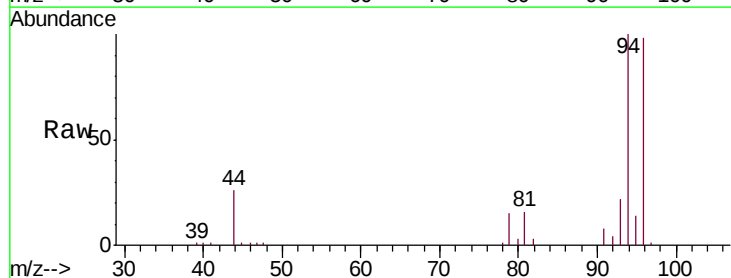
Acq: 04 Oct 2018 17:22

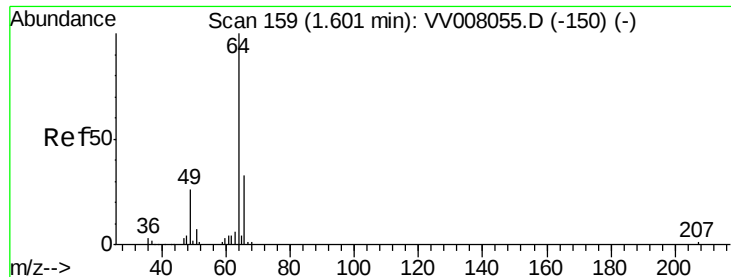
Tgt Ion: 94 Resp: 20770

Ion Ratio Lower Upper

94 100

96 97.7 65.2 121.2





#8

Chloroethane

Concen: 4.985 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

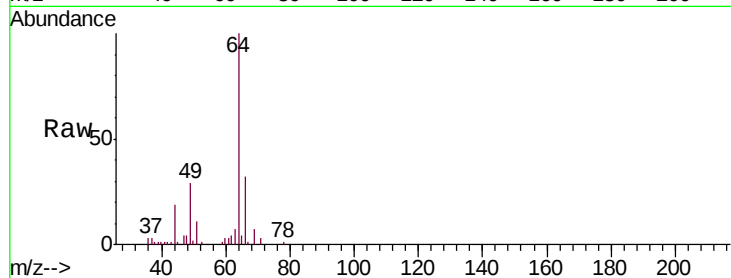
VSTD00571

Tgt Ion: 64 Resp: 21184

Ion Ratio Lower Upper

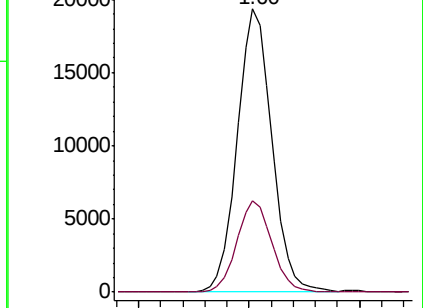
64 100

66 32.2 23.1 42.9

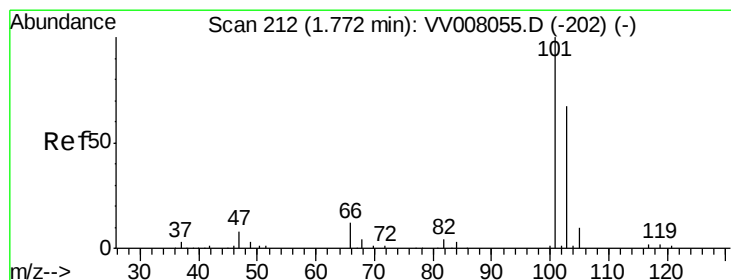
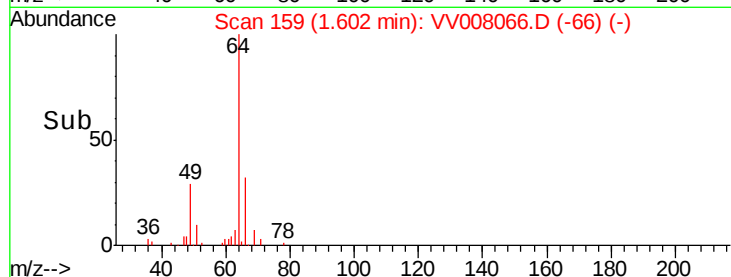


Abundance Ion 64.10 (63.80 to 64.80): VV008055.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008066.D (-66) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 5.235 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV008066.D

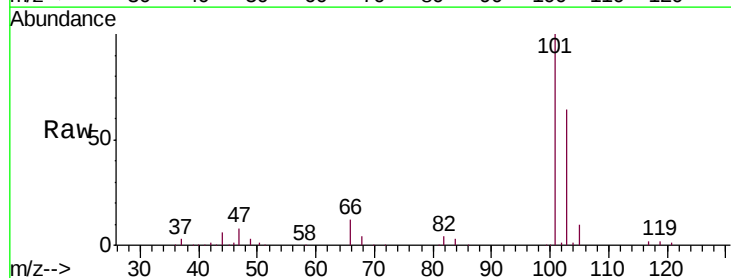
Acq: 04 Oct 2018 17:22

Tgt Ion: 101 Resp: 60214

Ion Ratio Lower Upper

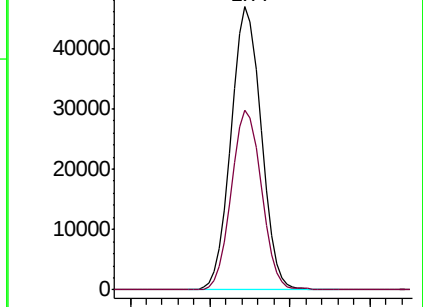
101 100

103 63.4 51.5 77.3

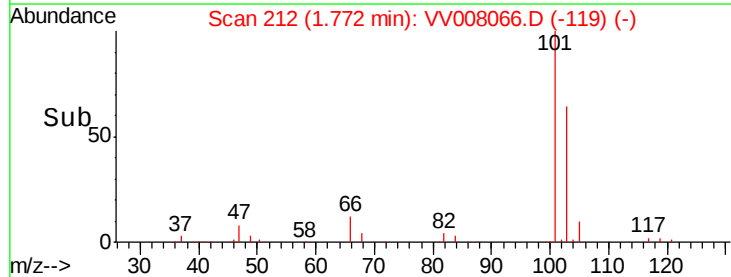


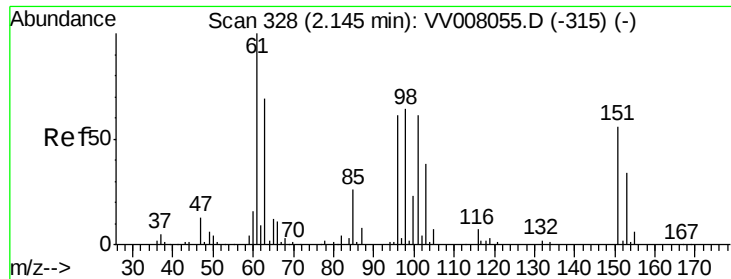
Abundance Ion 101.00 (100.70 to 101.70): VV008055.D (-202) (-)

Ion 103.00 (102.70 to 103.70): VV008066.D (-119) (-)



Time-->





#10

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

Concen: 5.267 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

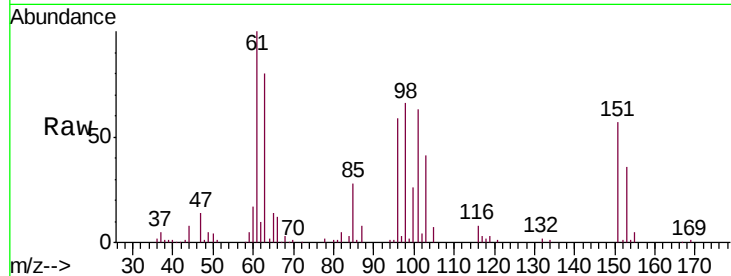
Tgt Ion:101 Resp: 34365

Ion Ratio Lower Upper

101 100

85 43.6 34.7 52.1

151 92.6 72.2 108.2



Abundance Ion 101.00 (100.70 to 101.70): VV008055.D (-315) (-)

Ion 85.00 (84.70 to 85.70): VV008055.D (-315) (-)

Ion 151.00 (150.70 to 151.70): VV008055.D (-315) (-)

Time-->

2.10 2.15 2.20

2.14

20000

15000

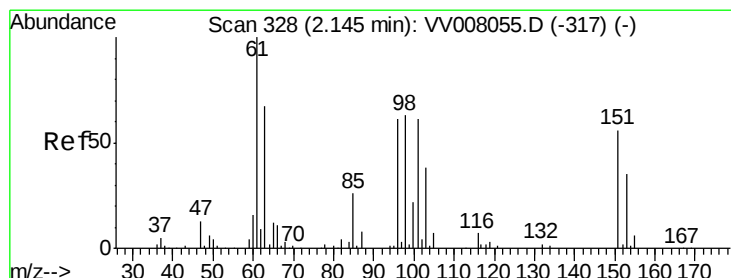
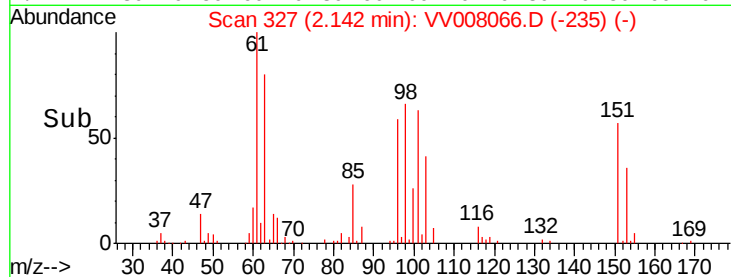
10000

5000

0

Time-->

2.10 2.15 2.20



#12

1,1-Dichloroethene

Concen: 4.933 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

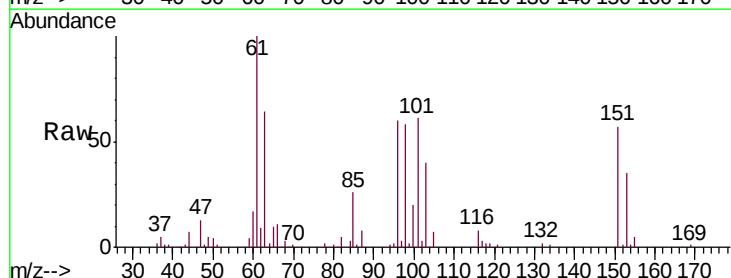
Tgt Ion: 96 Resp: 28759

Ion Ratio Lower Upper

96 100

61 166.4 114.1 211.9

63 107.3 81.5 151.3



Abundance Ion 96.00 (95.70 to 96.70): VV008055.D (-317) (-)

Ion 61.05 (60.75 to 61.75): VV008055.D (-317) (-)

Ion 63.00 (62.70 to 63.70): VV008055.D (-317) (-)

Time-->

2.10 2.15 2.20

2.15

40000

30000

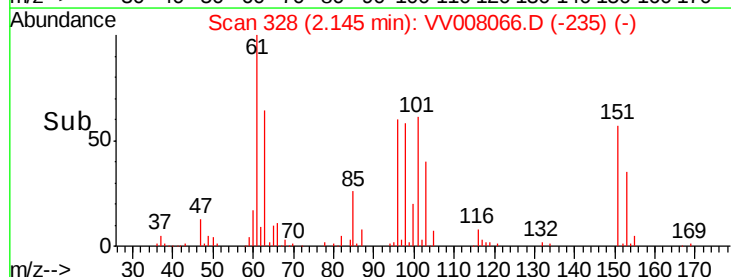
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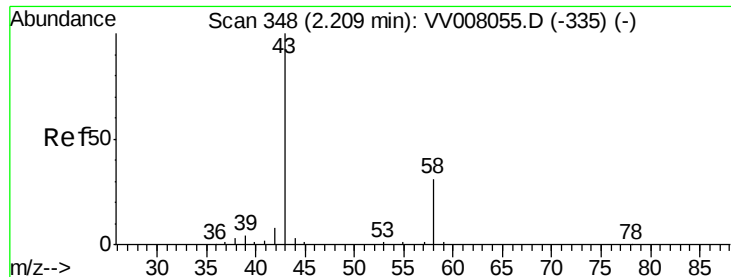
10000

0

Time-->

2.10 2.15 2.20





#13

Acetone

Concen: 47.345 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

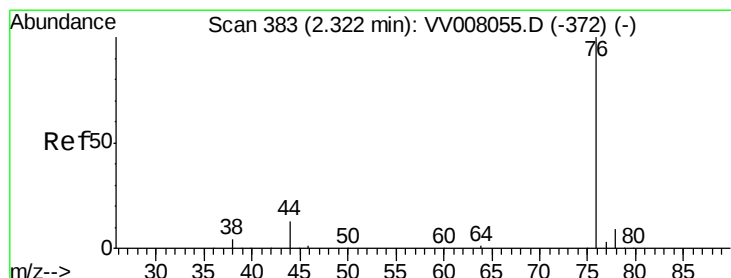
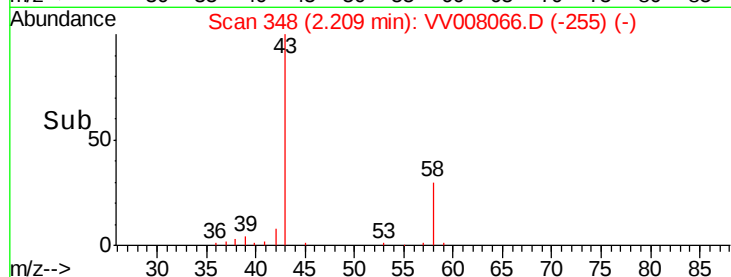
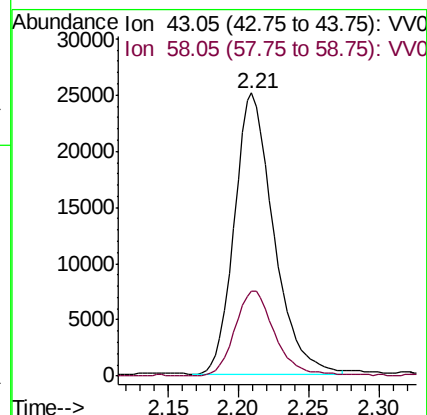
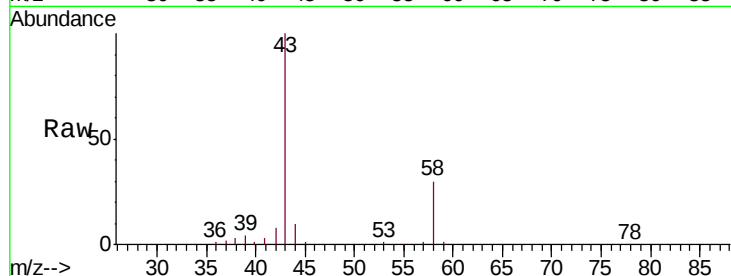
VSTD00571

Tgt Ion: 43 Resp: 49059

Ion Ratio Lower Upper

43 100

58 31.1 0.0 62.0



#14

Carbon disulfide

Concen: 4.407 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV008066.D

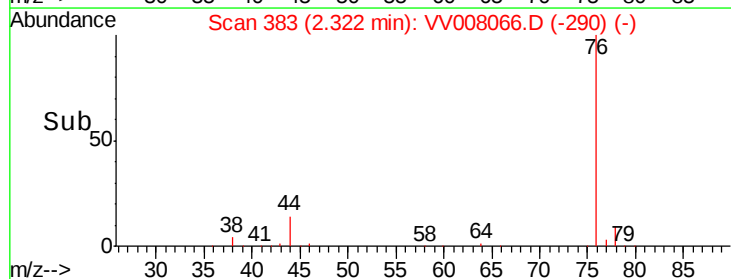
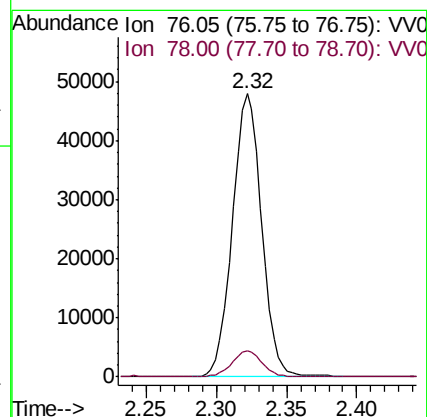
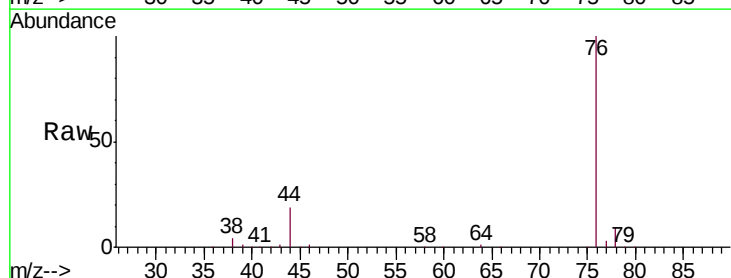
Acq: 04 Oct 2018 17:22

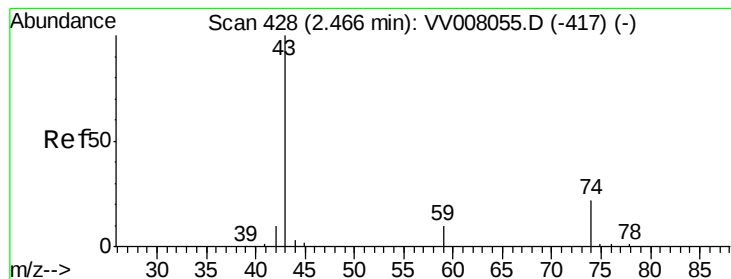
Tgt Ion: 76 Resp: 69643

Ion Ratio Lower Upper

76 100

78 9.4 7.2 10.8





#15

Methyl Acetate

Concen: 4.592 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

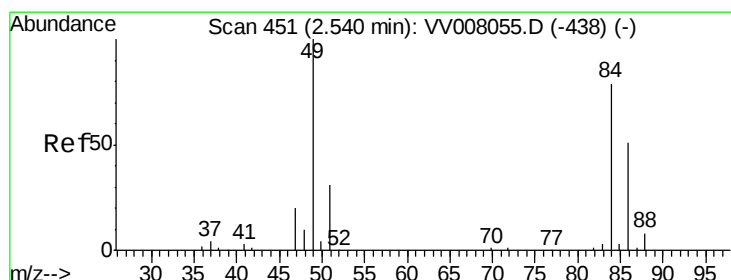
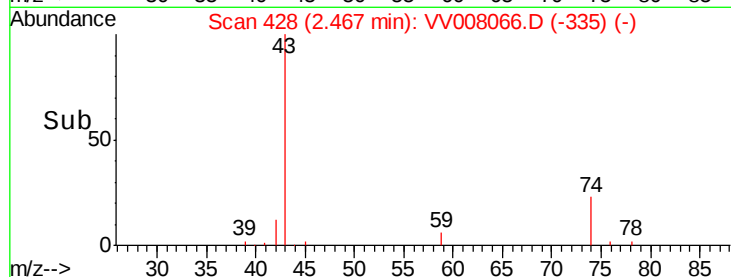
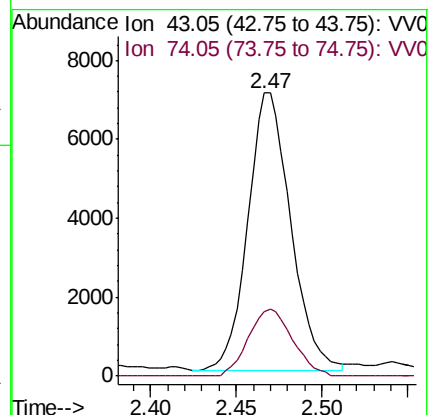
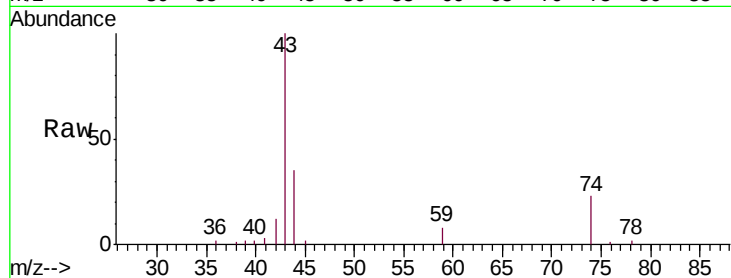
VSTD00571

Tgt Ion: 43 Resp: 12169

Ion Ratio Lower Upper

43 100

74 24.8 19.5 29.3



#16

Methylene chloride

Concen: 5.033 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

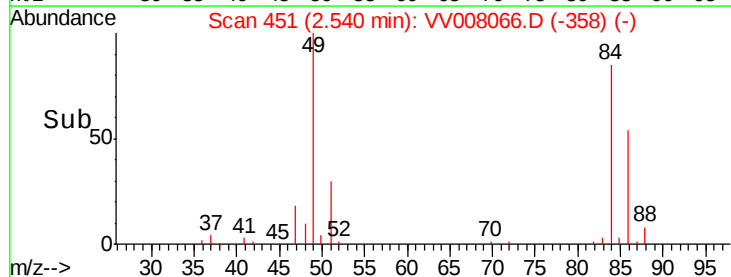
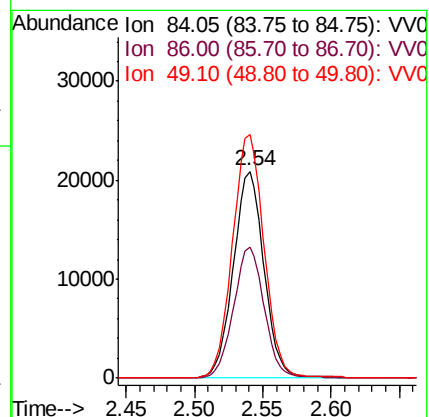
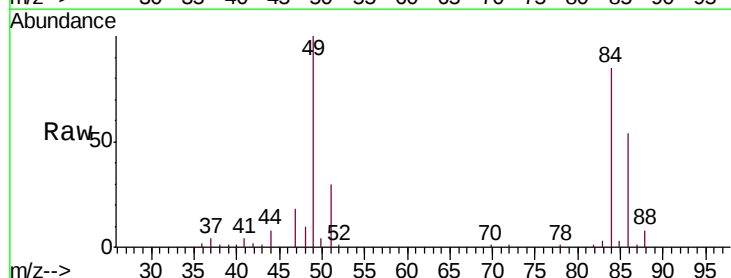
Tgt Ion: 84 Resp: 32605

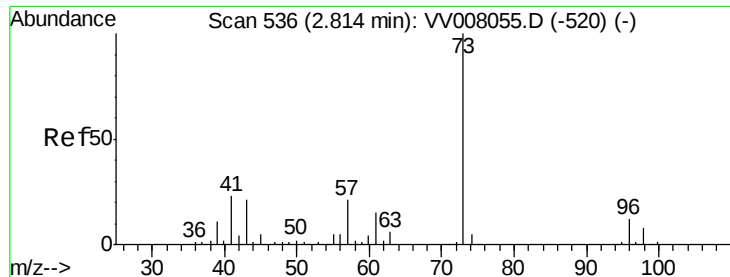
Ion Ratio Lower Upper

84 100

86 63.7 47.3 87.8

49 117.9 90.0 167.2

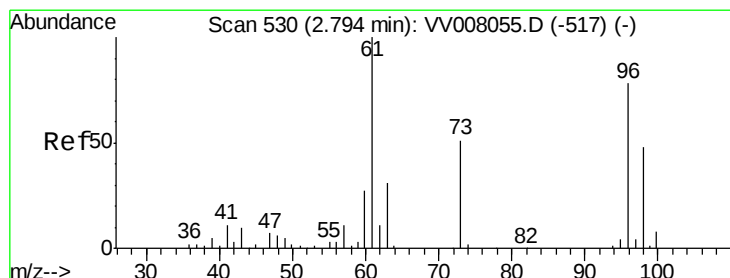
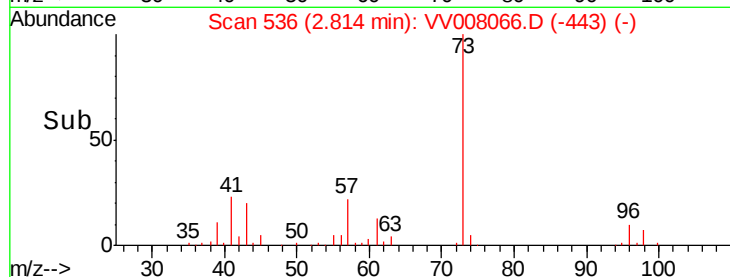
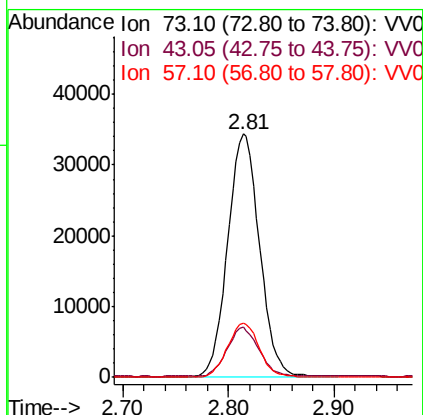
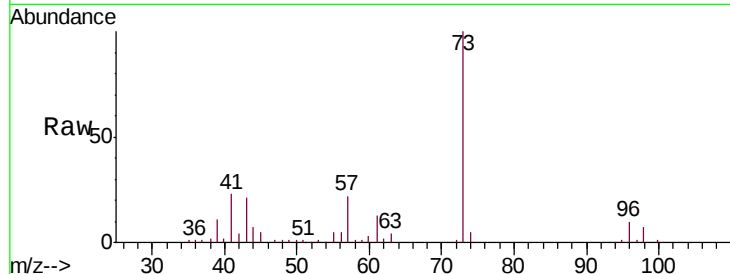




#17
Methyl tert-butyl Ether
Concen: 5.027 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

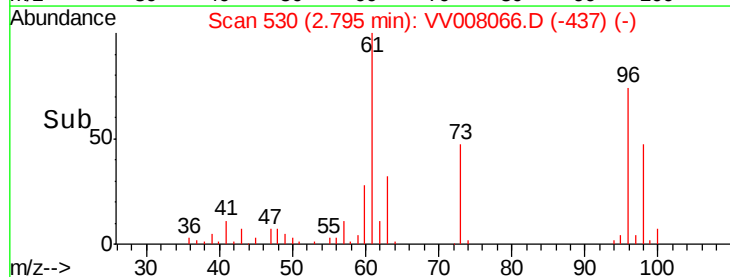
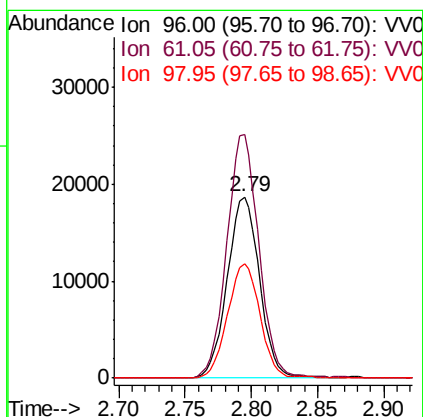
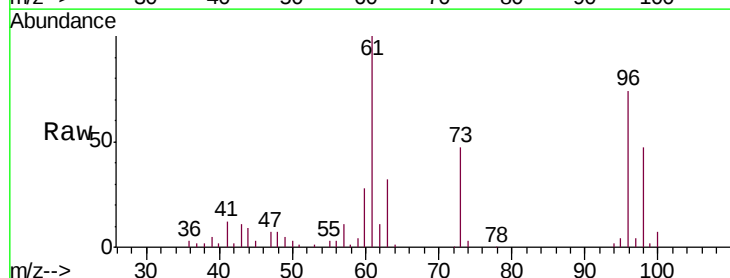
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

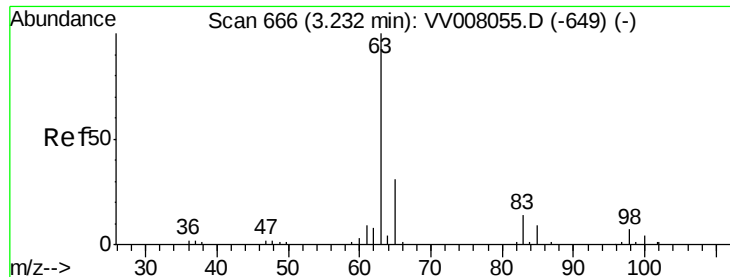
Tgt Ion: 73 Resp: 72409
Ion Ratio Lower Upper
73 100
43 19.9 16.8 25.2
57 22.1 17.6 26.4



#18
trans-1,2-Dichloroethene
Concen: 4.922 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

Tgt Ion: 96 Resp: 31631
Ion Ratio Lower Upper
96 100
61 134.5 94.2 175.0
98 63.1 44.9 83.5

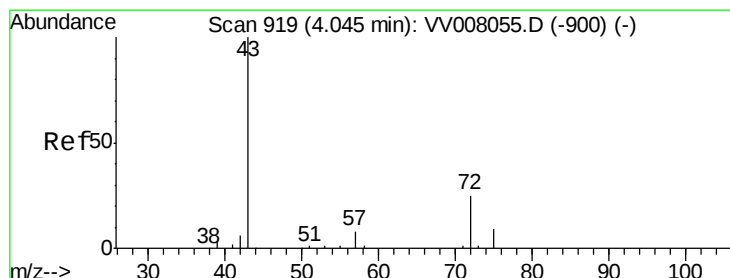
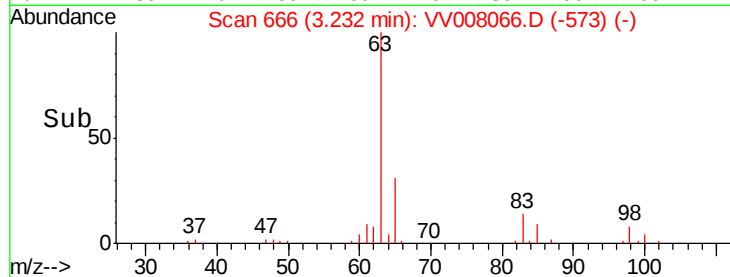
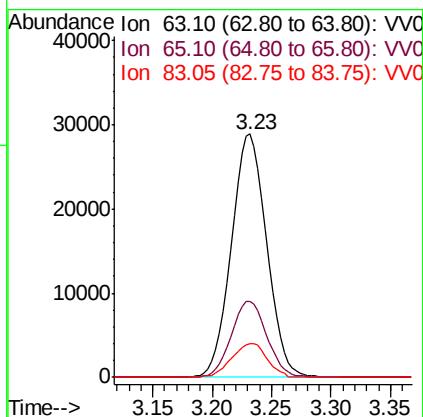
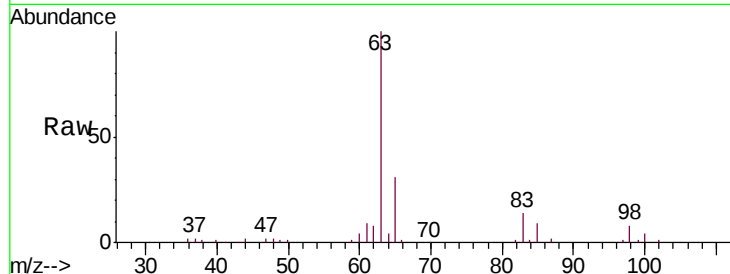




#19
 1,1-Dichloroethane
 Concen: 5.426 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

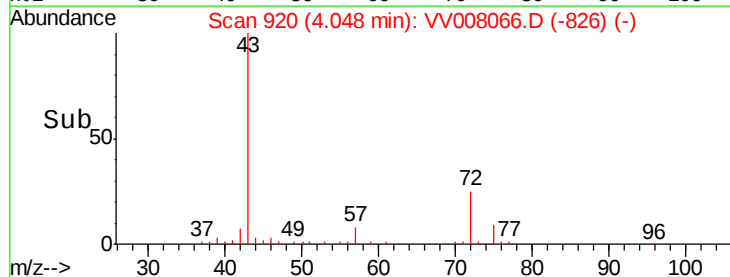
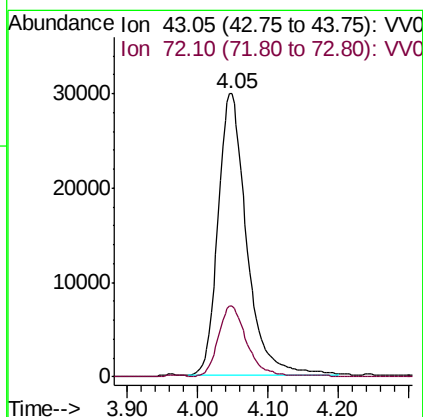
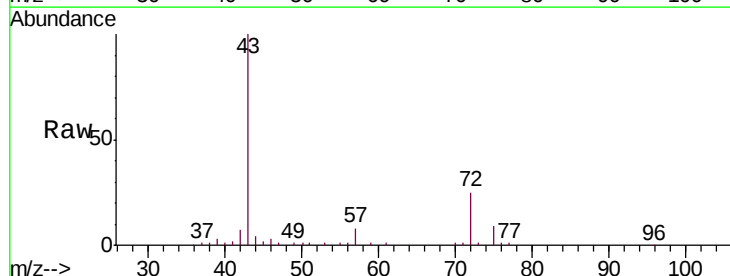
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

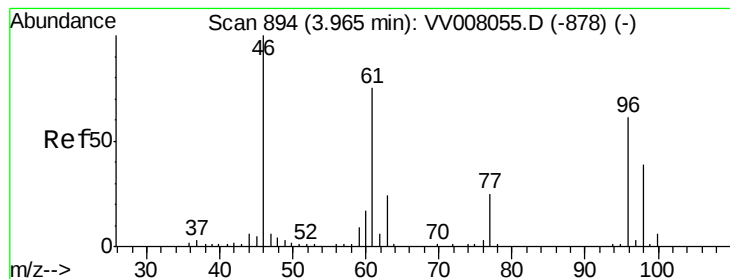
Tgt Ion: 63 Resp: 59496
 Ion Ratio Lower Upper
 63 100
 65 31.4 22.3 41.5
 83 13.9 9.8 18.2



#21
 2-Butanone
 Concen: 51.110 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

Tgt Ion: 43 Resp: 84376
 Ion Ratio Lower Upper
 43 100
 72 25.2 12.5 37.5



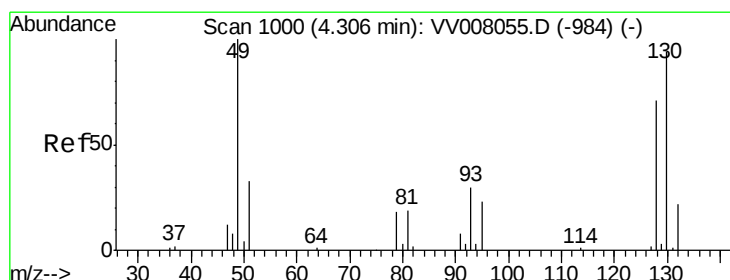
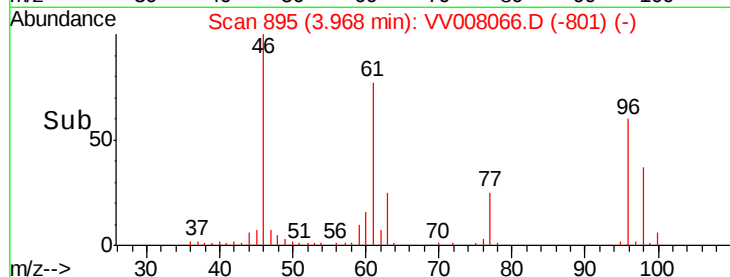
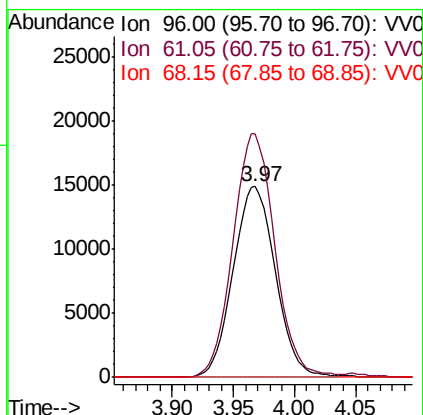
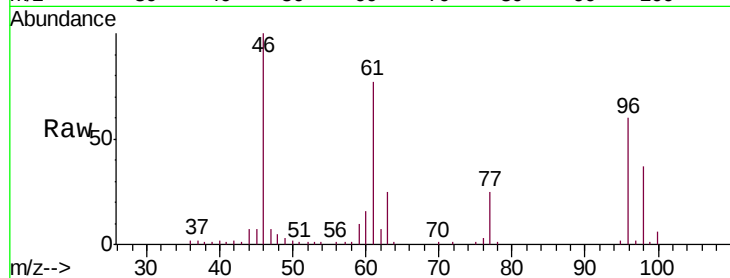


#22

cis-1,2-Dichloroethene
Concen: 5.504 ug/L
RT: 3.97 min Scan# 895
Delta R.T. 0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

Instrument :
MSVOA_V
ClientSampled :
VSTD00571

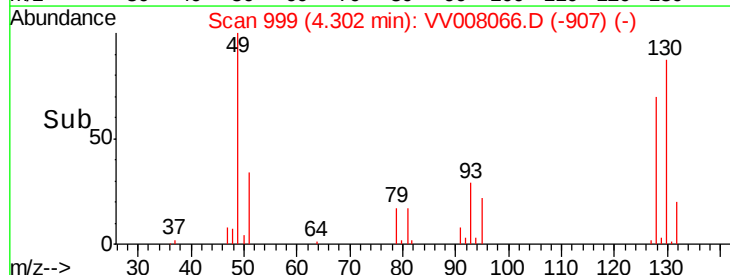
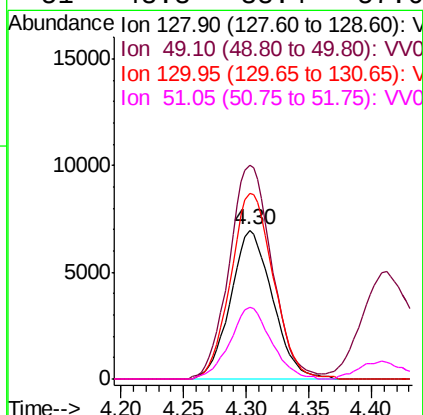
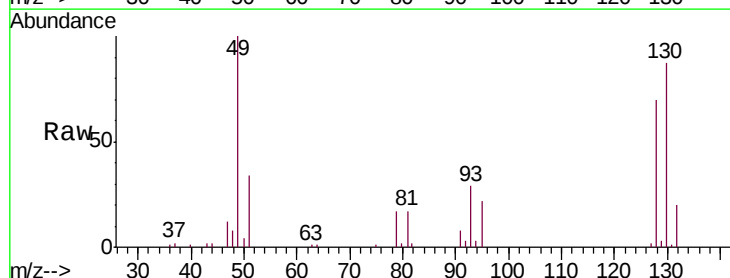
Tgt Ion: 96 Resp: 35813
Ion Ratio Lower Upper
96 100
61 127.5 89.5 166.1
68 0.0 0.0 0.0

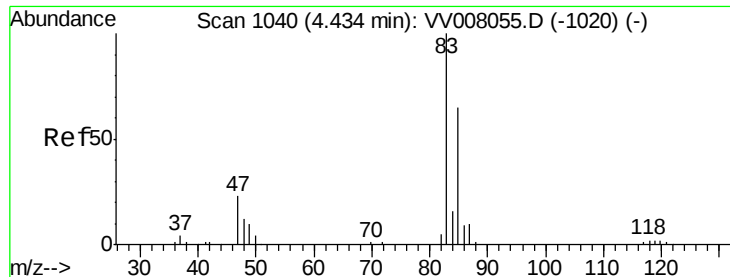


#23

Bromochloromethane
Concen: 5.725 ug/L
RT: 4.30 min Scan# 999
Delta R.T. -0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

Tgt Ion: 128 Resp: 16202
Ion Ratio Lower Upper
128 100
49 143.6 112.8 209.4
130 124.5 92.3 171.5
51 48.3 38.4 57.6

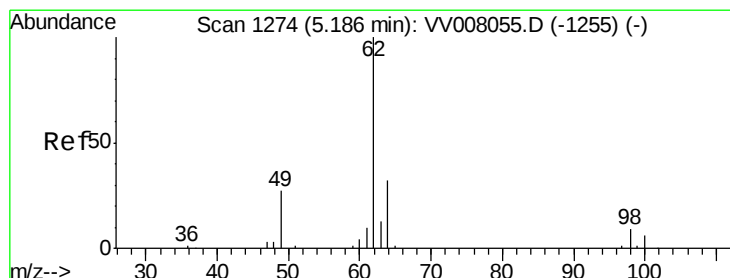
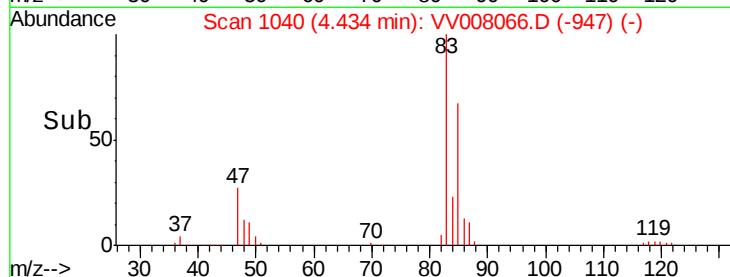
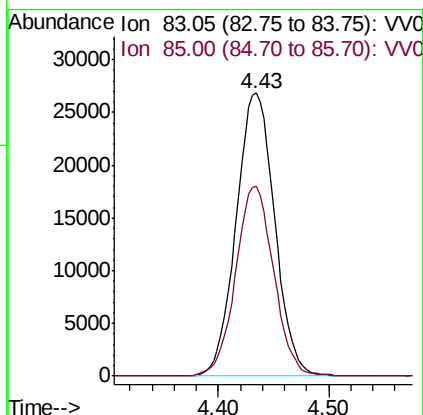
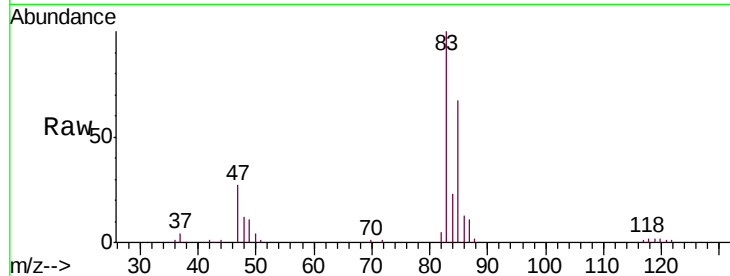




#25
Chloroform
Concen: 5.482 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

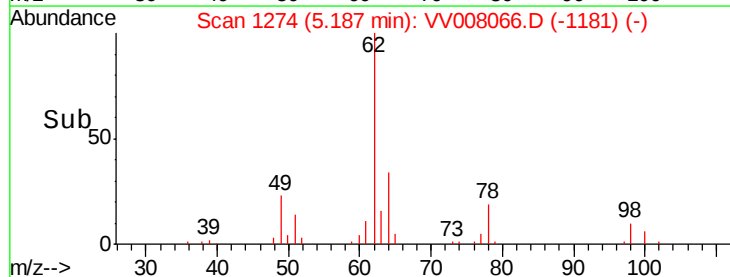
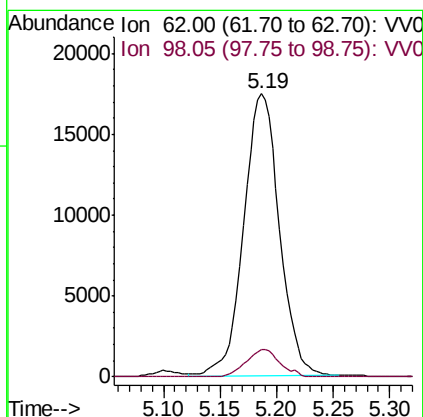
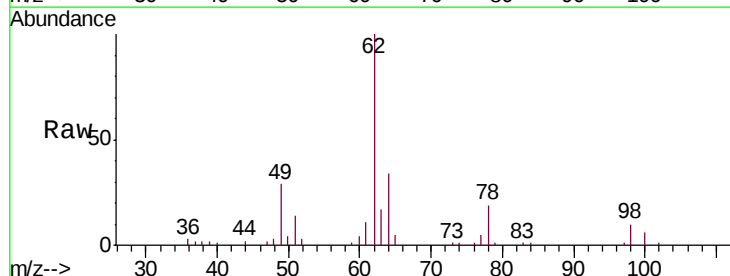
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

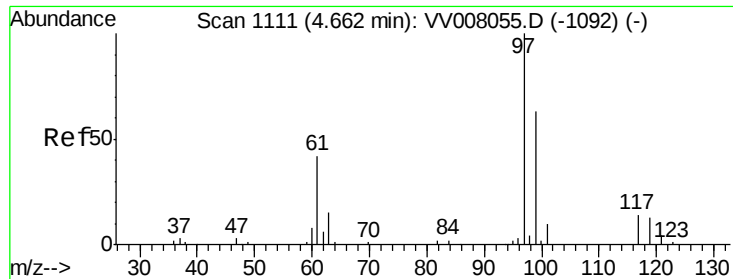
Tgt Ion: 83 Resp: 65015
Ion Ratio Lower Upper
83 100
85 67.2 44.8 83.2



#27
1,2-Dichloroethane
Concen: 5.017 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

Tgt Ion: 62 Resp: 38293
Ion Ratio Lower Upper
62 100
98 9.7 6.6 10.0

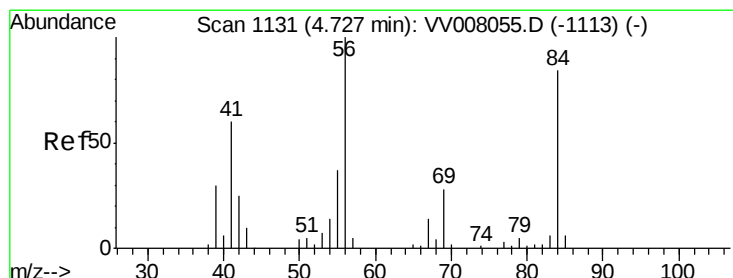
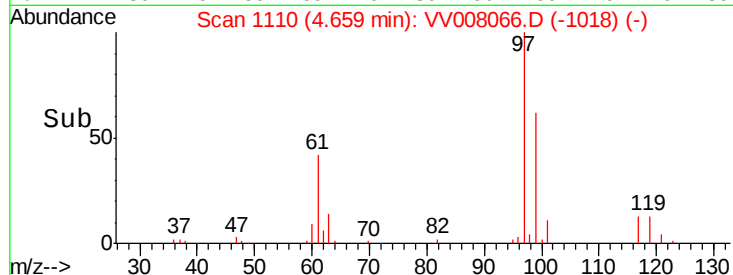
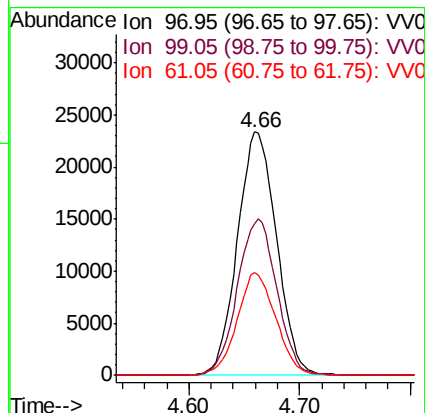
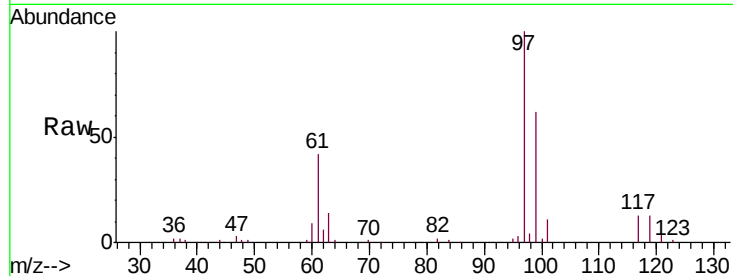




#29
 1,1,1-Trichloroethane
 Concen: 5.688 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

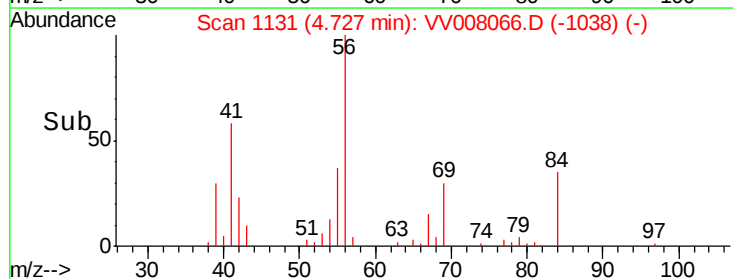
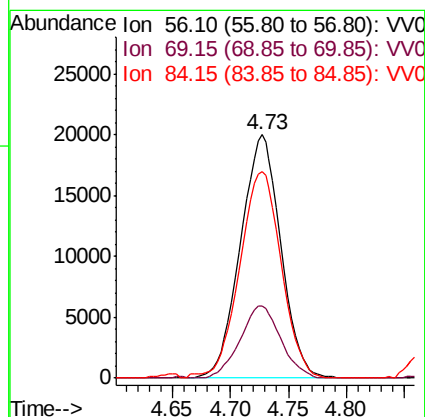
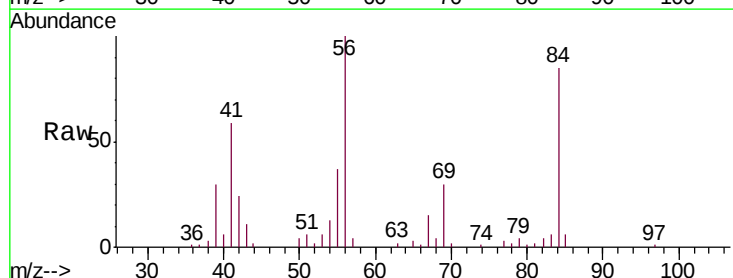
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

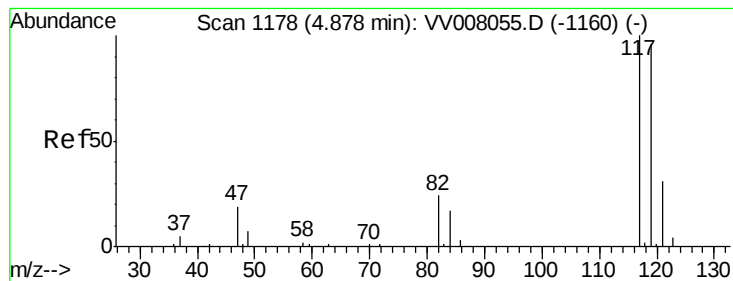
Tgt Ion: 97 Resp: 57531
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.2 76.8
 61 41.7 34.6 52.0



#30
 Cyclohexane
 Concen: 5.075 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

Tgt Ion: 56 Resp: 48253
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.2 36.4
 84 87.8 69.8 104.8





#31

Carbon tetrachloride

Concen: 5.685 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

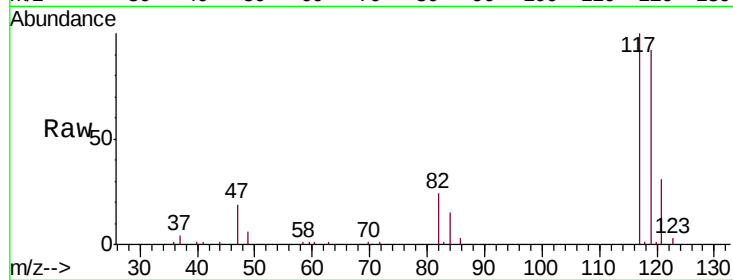
VSTD00571

Tgt Ion:117 Resp: 50687

Ion Ratio Lower Upper

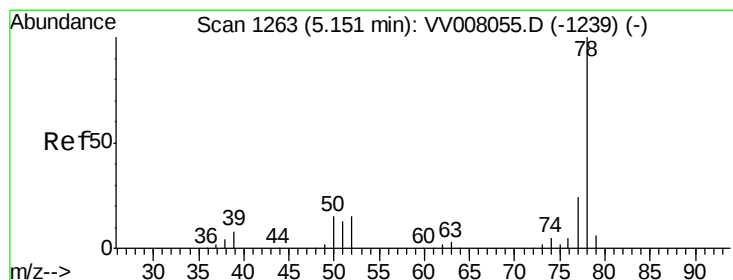
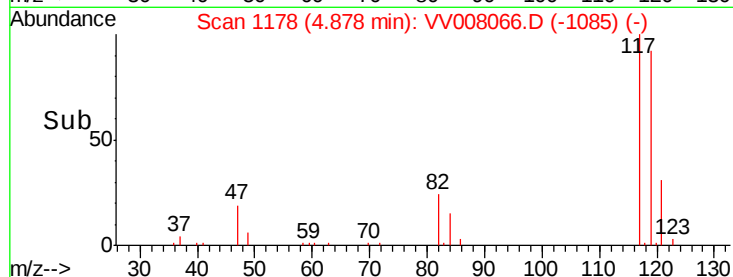
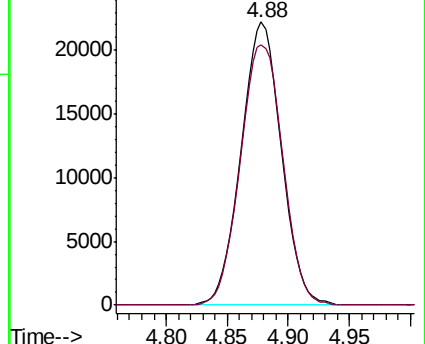
117 100

119 97.3 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.554 ug/L

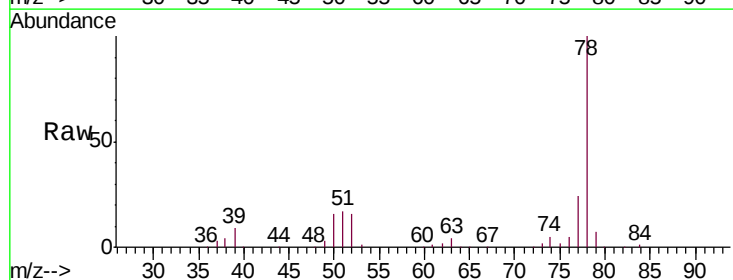
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

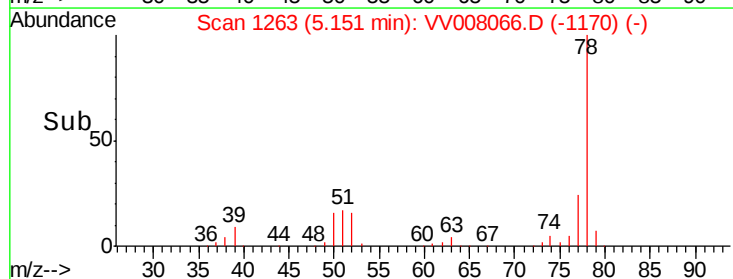
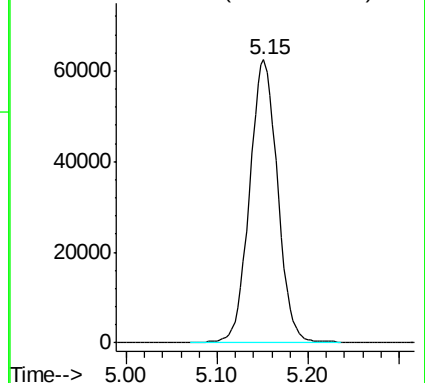
Lab File: VV008066.D

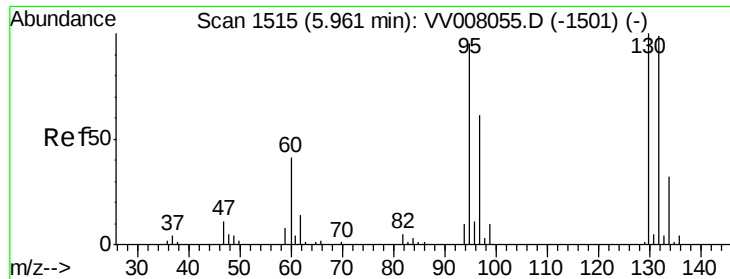
Acq: 04 Oct 2018 17:22

Tgt Ion: 78 Resp: 133757



Abundance Ion 78.10 (77.80 to 78.80): VV0

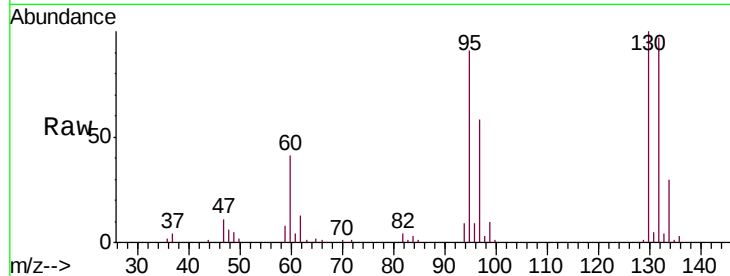




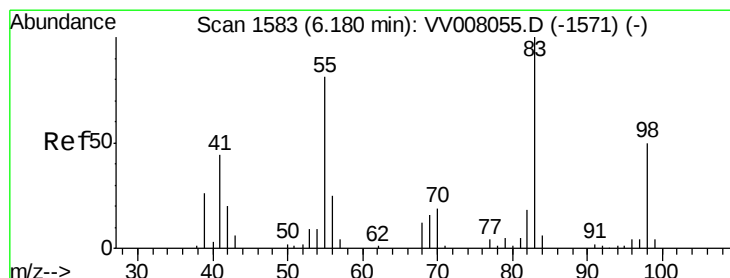
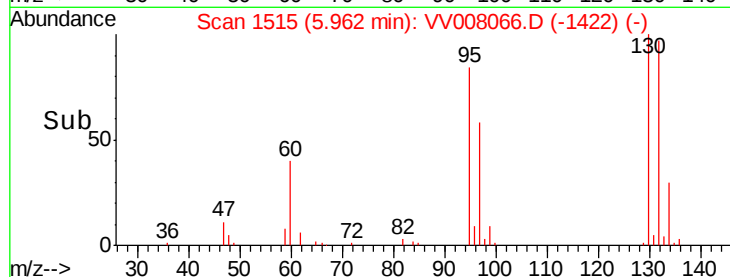
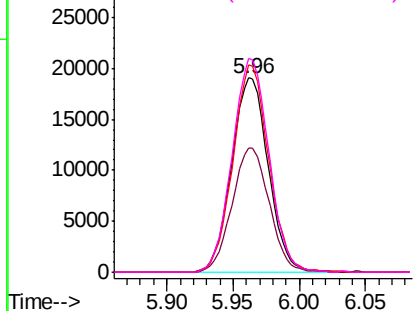
#34
 Trichloroethene
 Concen: 5.331 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion: 95 Resp: 36765
 Ion Ratio Lower Upper
 95 100
 97 64.2 43.6 81.0
 132 106.5 69.9 129.9
 130 110.0 71.7 133.3

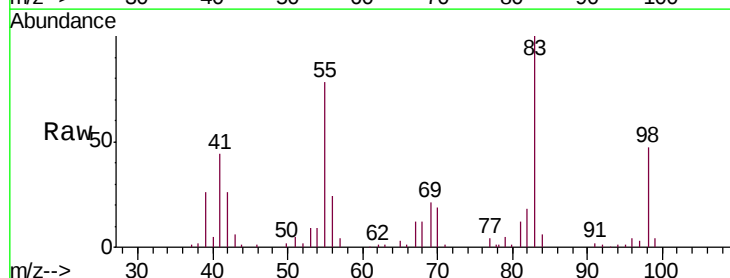


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

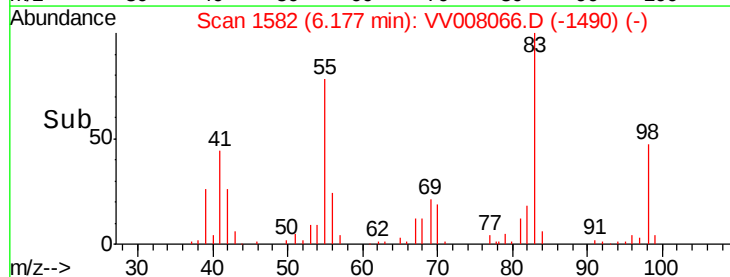
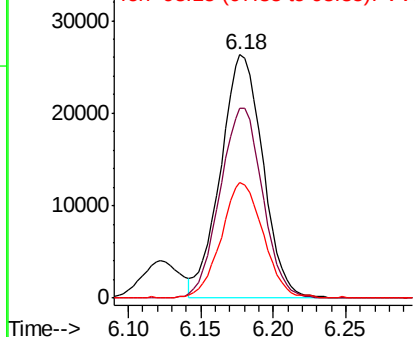


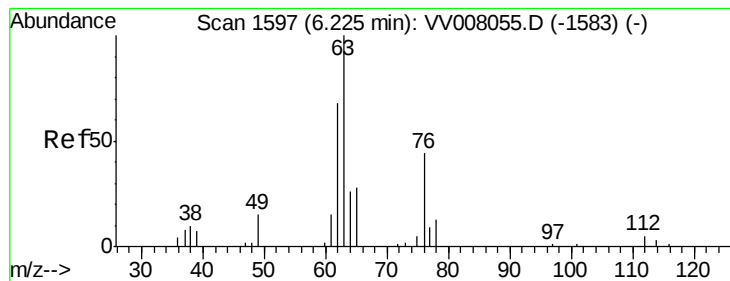
#35
 Methylcyclohexane
 Concen: 5.146 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

Tgt Ion: 83 Resp: 53217
 Ion Ratio Lower Upper
 83 100
 55 78.5 62.2 93.2
 98 47.3 38.0 57.0



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: 5.654 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampled :

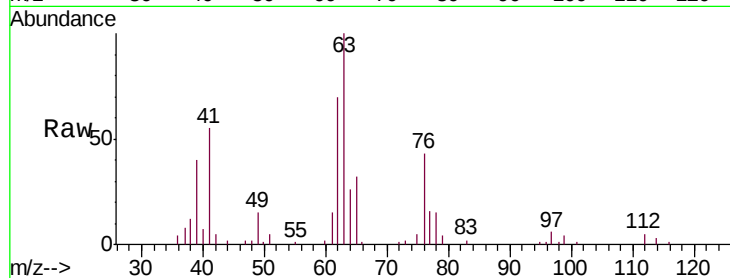
VSTD00571

Tgt Ion: 63 Resp: 34786

Ion Ratio Lower Upper

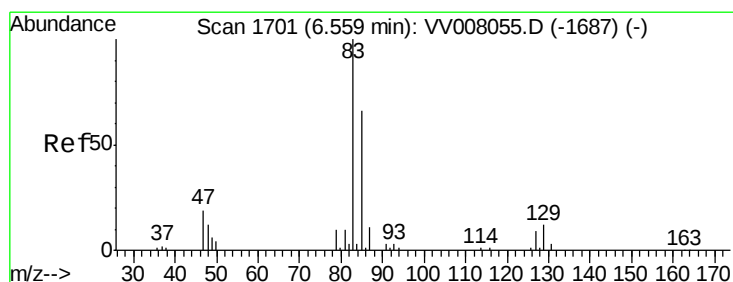
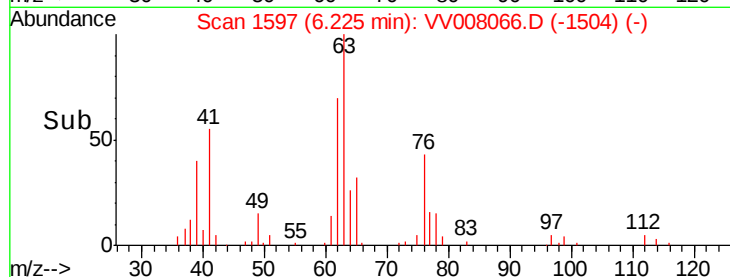
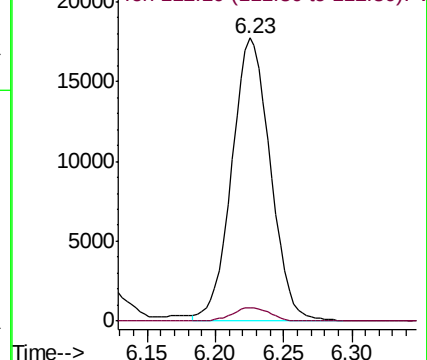
63 100

112 4.6 3.4 5.0



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 5.768 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

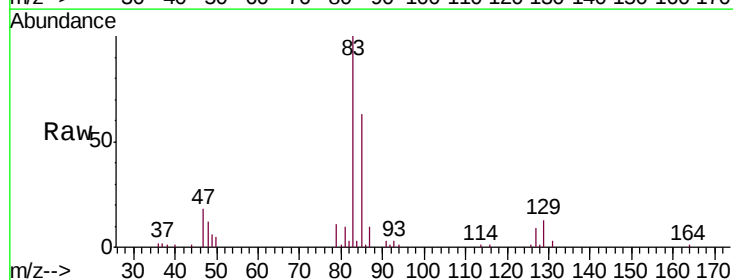
Tgt Ion: 83 Resp: 42436

Ion Ratio Lower Upper

83 100

85 63.4 44.7 82.9

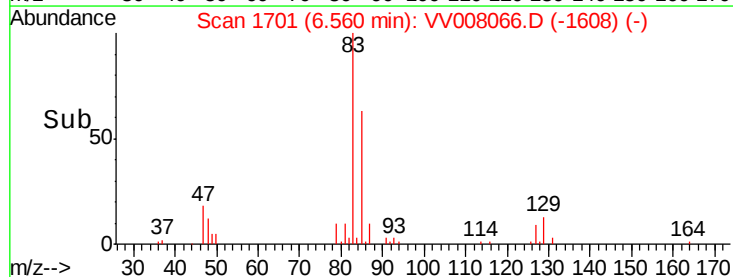
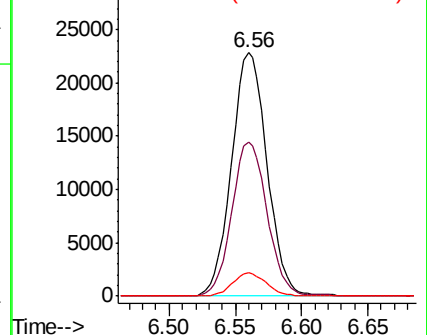
127 9.4 7.8 11.6

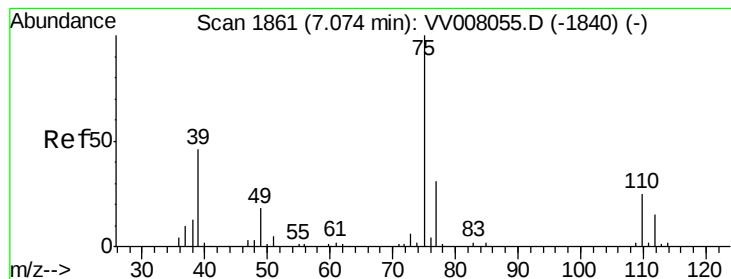


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V



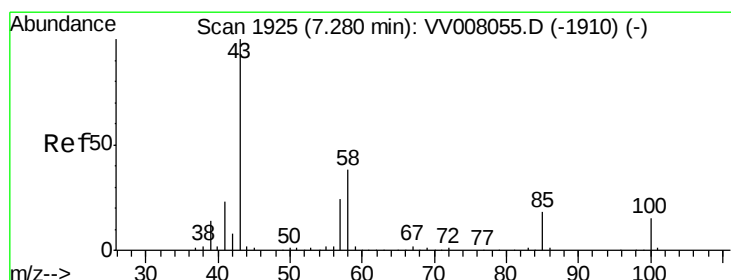
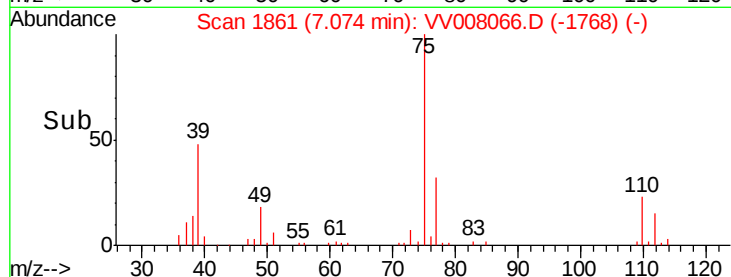
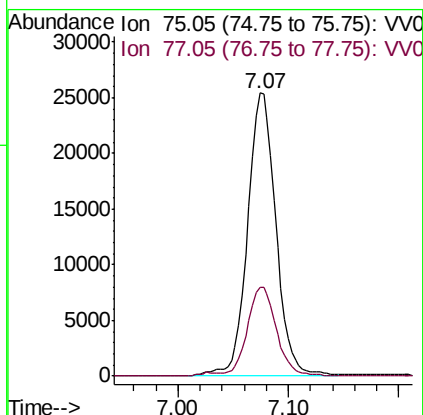
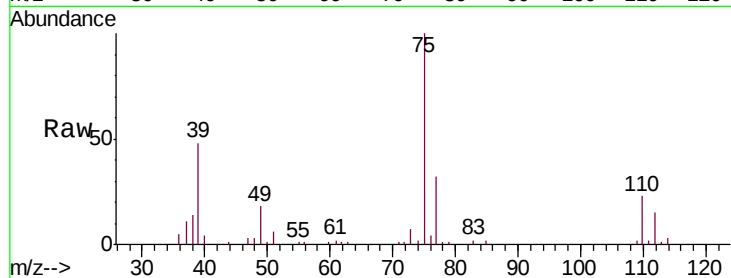


#39

cis-1,3-Dichloropropene
Concen: 5.518 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

Instrument :
MSVOA_V
ClientSampled :
VSTD00571

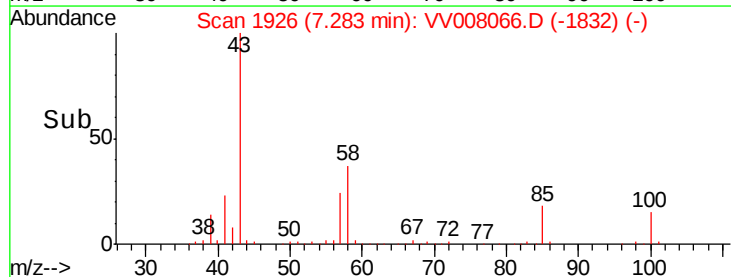
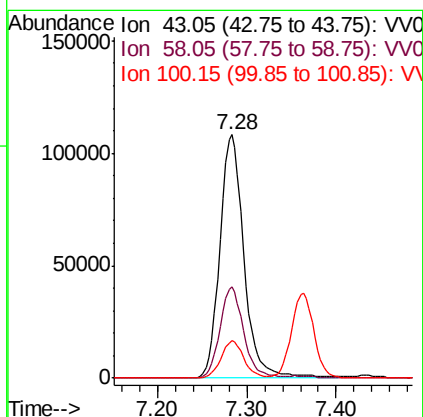
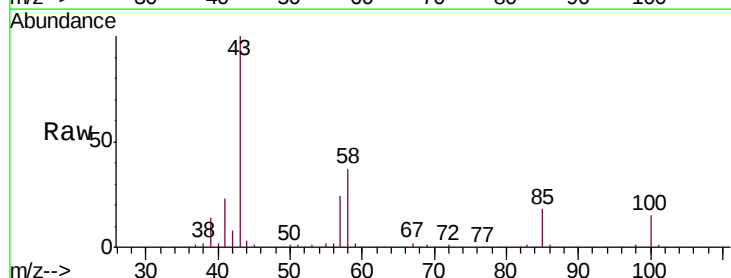
Tgt Ion: 75 Resp: 45415
Ion Ratio Lower Upper
75 100
77 31.6 22.9 42.5

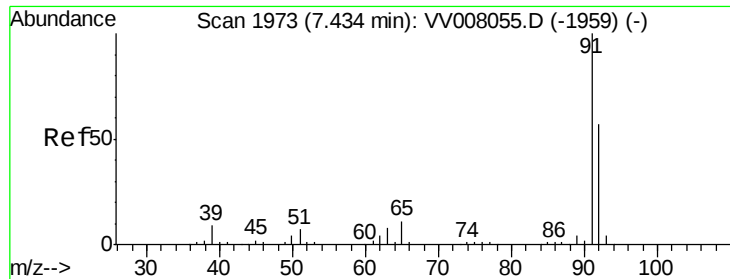


#40

4-Methyl-2-pentanone
Concen: 52.511 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

Tgt Ion: 43 Resp: 202792
Ion Ratio Lower Upper
43 100
58 36.7 29.4 44.0
100 14.6 11.5 17.3





#42

Toluene

Concen: 5.631 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

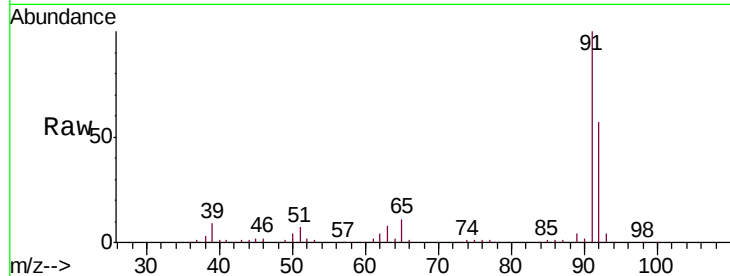
VSTD00571

Tgt Ion: 91 Resp: 147688

Ion Ratio Lower Upper

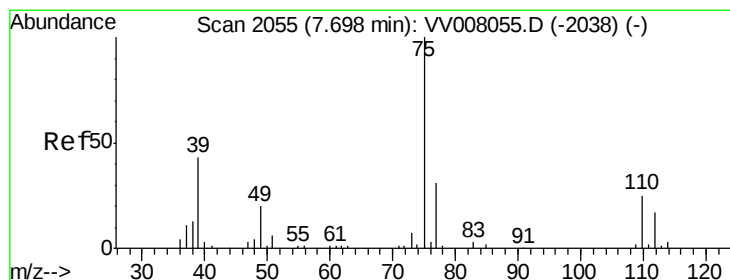
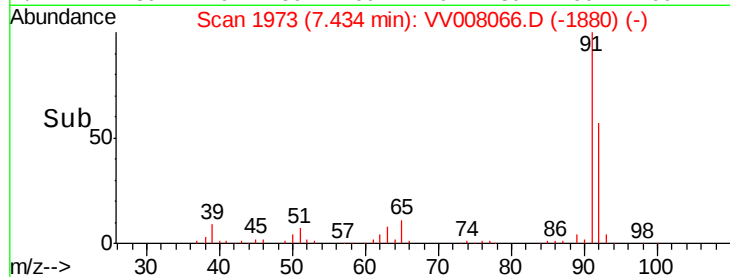
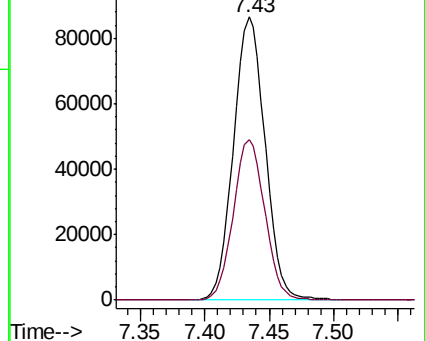
91 100

92 56.9 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV008055.D (-1959) (-)

Ion 92.15 (91.85 to 92.85): VV008055.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 5.521 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008066.D

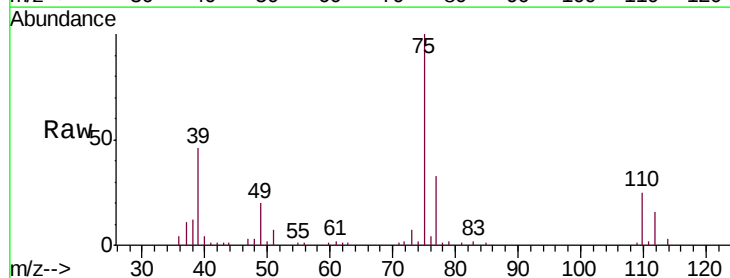
Acq: 04 Oct 2018 17:22

Tgt Ion: 75 Resp: 37775

Ion Ratio Lower Upper

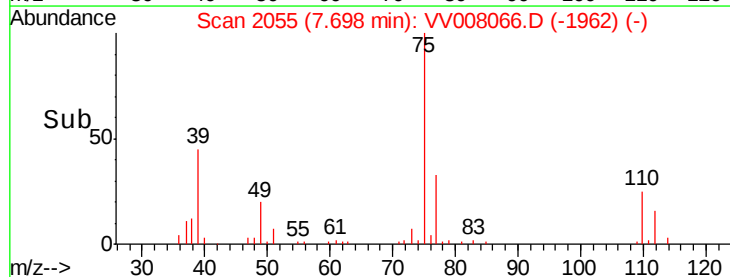
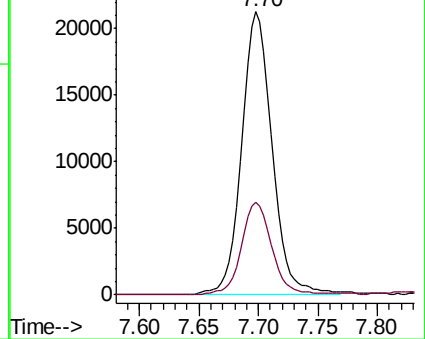
75 100

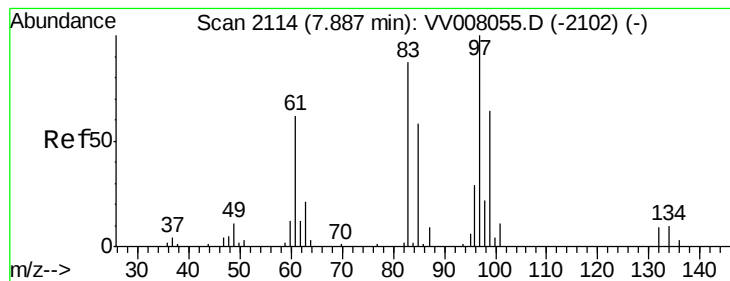
77 32.6 22.3 41.5



Abundance Ion 75.05 (74.75 to 75.75): VV008055.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV008055.D (-2038) (-)





#45

1,1,2-Trichloroethane

Concen: 5.500 ug/L

RT: 7.89 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

Tgt Ion: 97 Resp: 24423

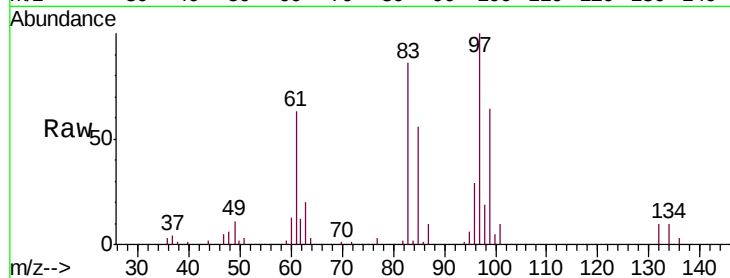
Ion Ratio Lower Upper

97 100

99 64.3 43.5 80.9

83 86.1 59.7 110.9

85 56.0 39.5 73.3

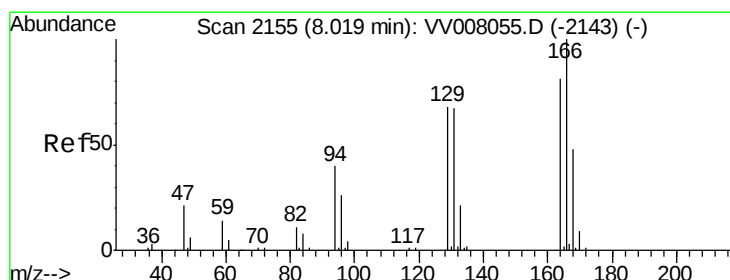
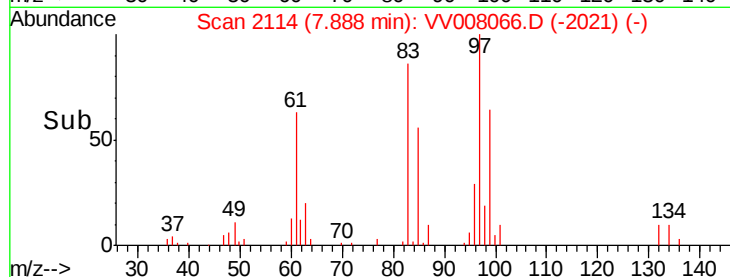
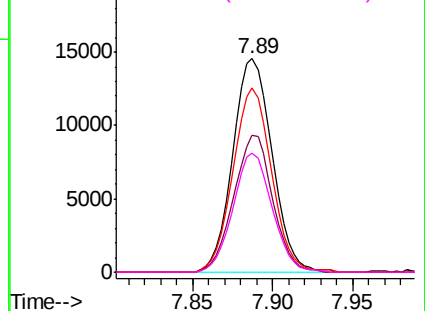


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 5.385 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Tgt Ion: 164 Resp: 34416

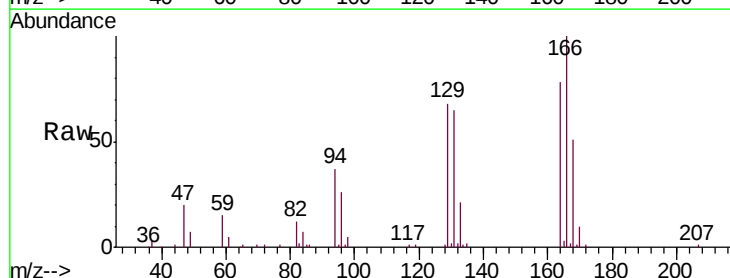
Ion Ratio Lower Upper

164 100

129 86.8 59.2 110.0

131 83.6 57.1 106.1

166 128.4 88.6 164.6

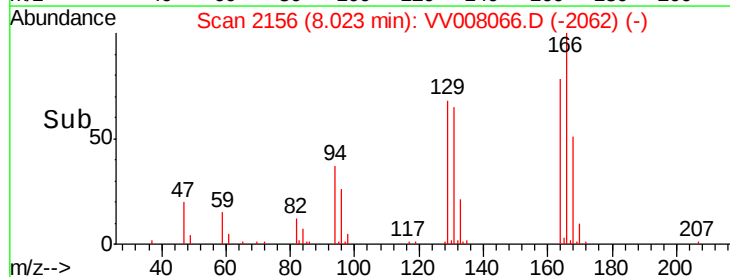
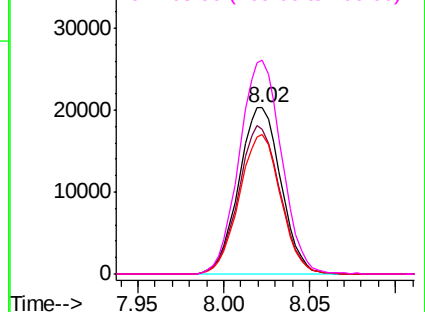


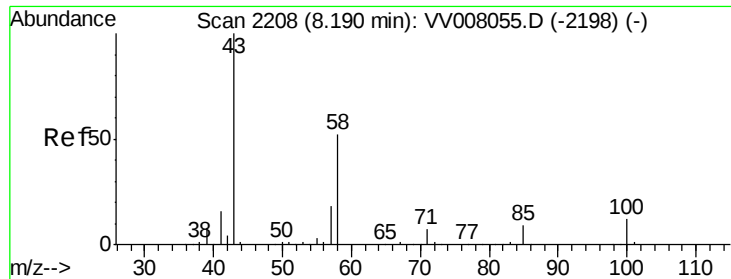
Abundance Ion 163.90 (163.60 to 164.60): V

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

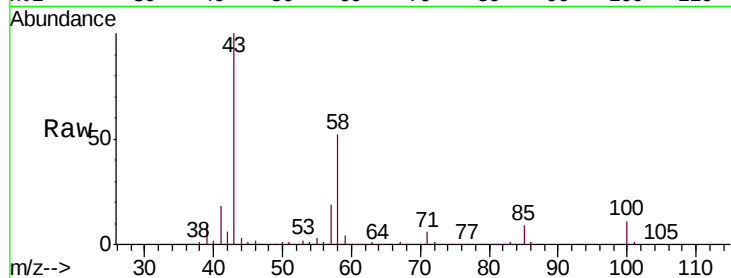




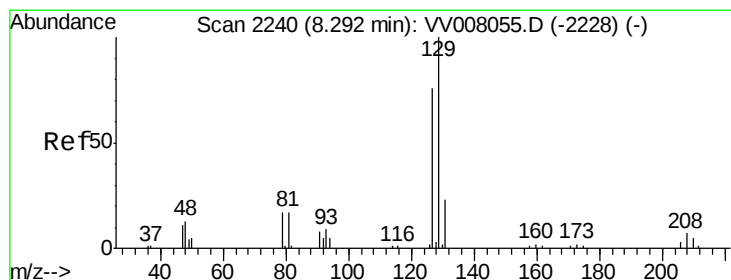
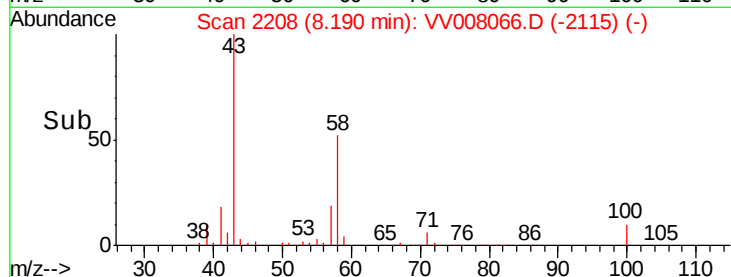
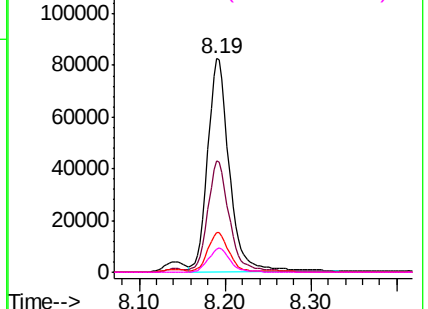
#48
2-Hexanone
Concen: 54.134 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion: 43 Resp: 145404
Ion Ratio Lower Upper
43 100
58 51.2 41.9 62.9
57 19.1 14.3 21.5
100 11.5 9.2 13.8

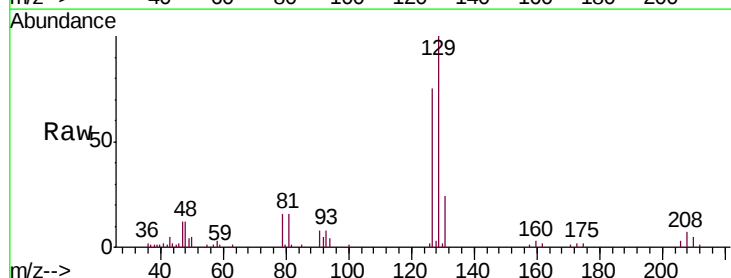


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

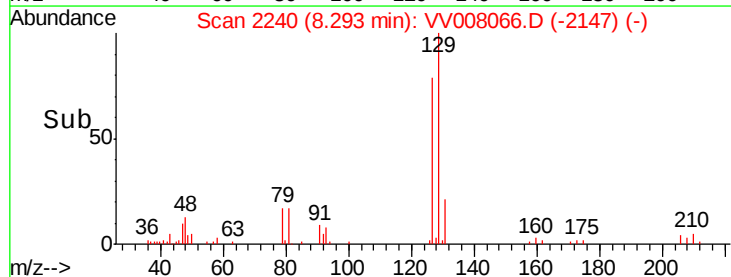
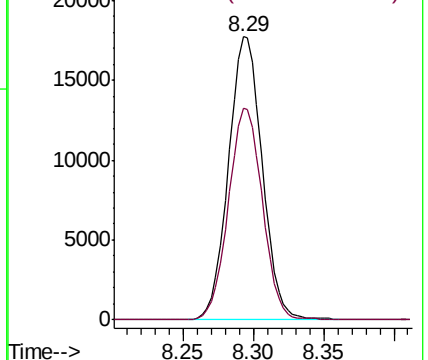


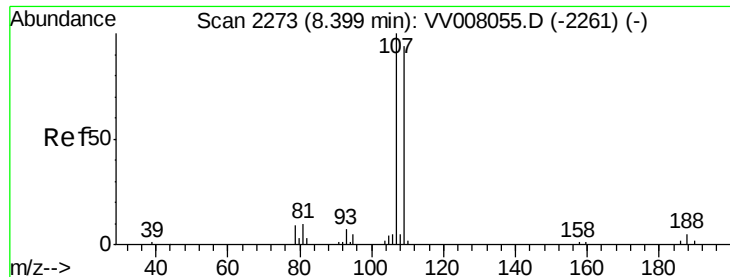
#49
Dibromochloromethane
Concen: 5.859 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

Tgt Ion: 129 Resp: 29700
Ion Ratio Lower Upper
129 100
127 74.7 53.1 98.5



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

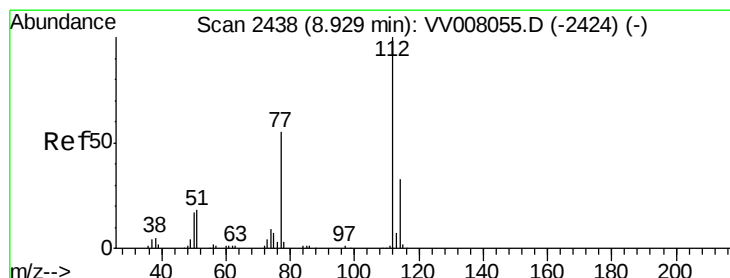
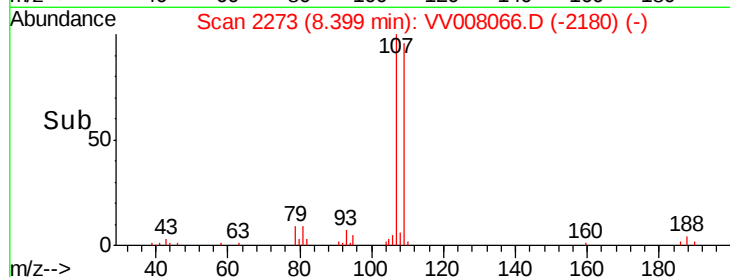
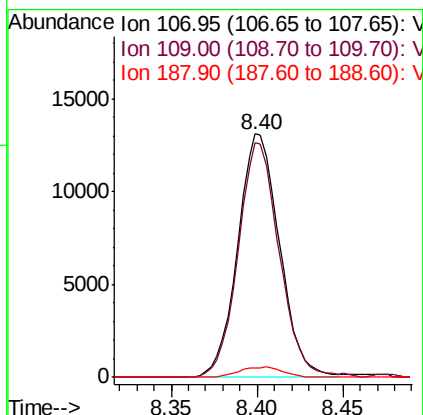
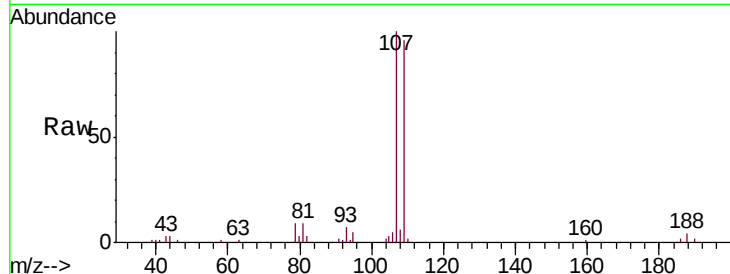




#50
1,2-Dibromoethane
Concen: 5.452 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

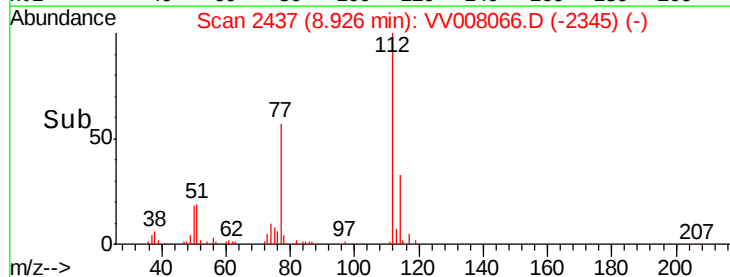
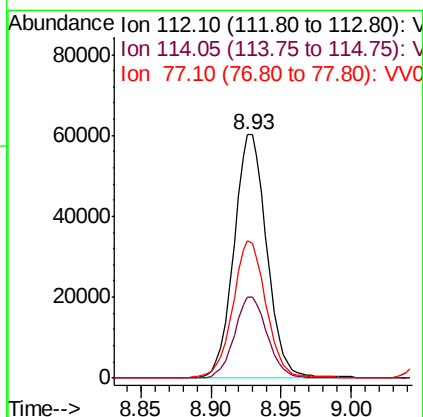
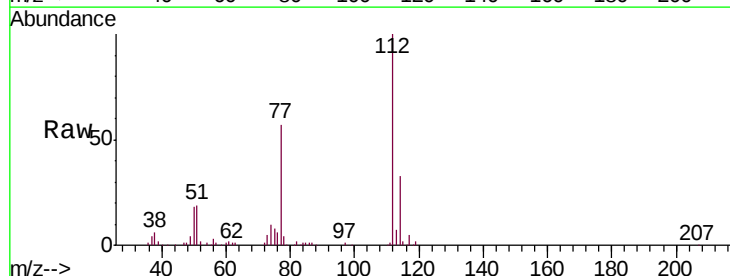
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

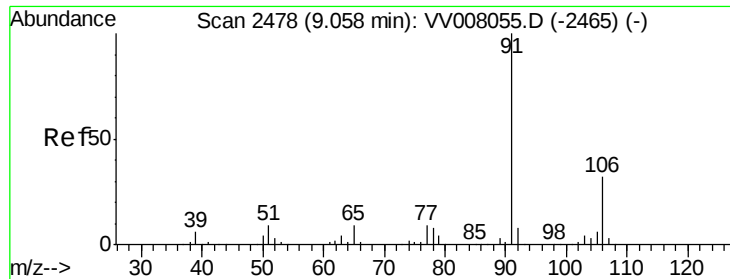
Tgt Ion:107 Resp: 22128
Ion Ratio Lower Upper
107 100
109 96.1 64.9 120.5
188 3.8 4.0 6.0#



#51
Chlorobenzene
Concen: 5.416 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV008066.D
Acq: 04 Oct 2018 17:22

Tgt Ion:112 Resp: 98130
Ion Ratio Lower Upper
112 100
114 33.0 22.4 41.6
77 56.7 45.0 67.6





#52

Ethylbenzene

Concen: 5.399 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

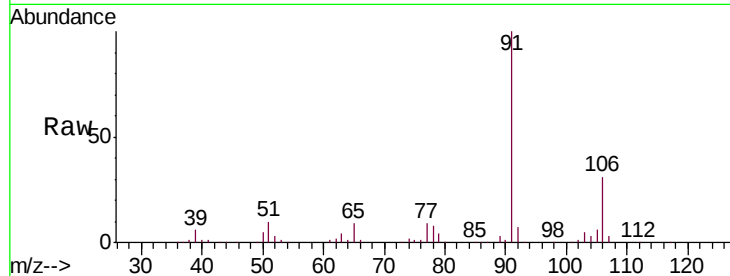
VSTD00571

Tgt Ion: 91 Resp: 157972

Ion Ratio Lower Upper

91 100

106 31.4 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV008055.D (-2465) (-)

Ion 106.15 (105.85 to 106.85): VV008055.D (-2465) (-)

120000

100000

80000

60000

40000

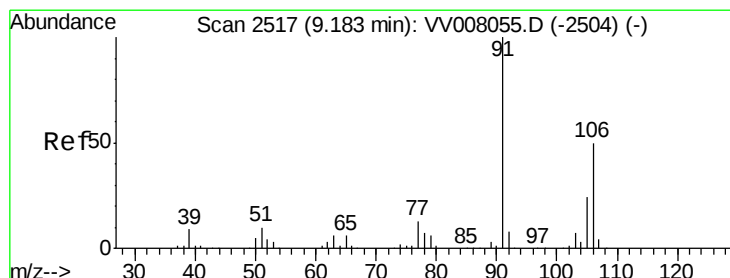
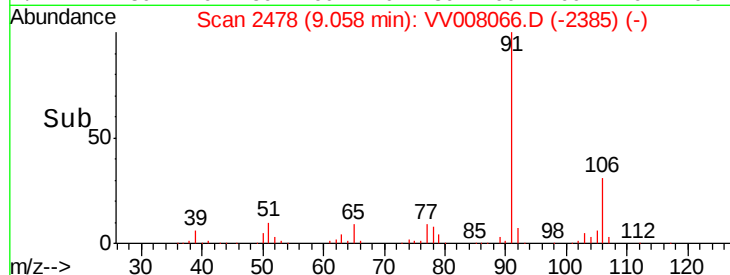
20000

0

9.06

9.05 9.10 9.15

Time-->



#53

m,p-xylene

Concen: 5.524 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008066.D

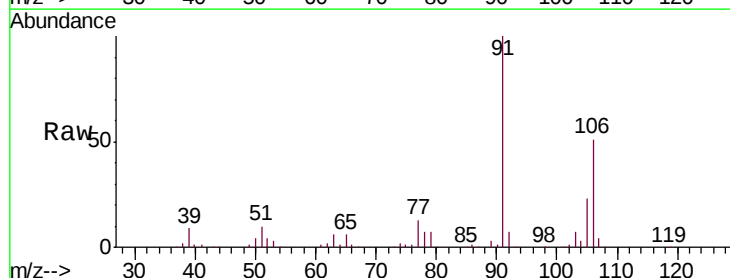
Acq: 04 Oct 2018 17:22

Tgt Ion: 106 Resp: 61554

Ion Ratio Lower Upper

106 100

91 197.9 139.4 258.8



Abundance Ion 106.15 (105.85 to 106.85): VV008055.D (-2504) (-)

Ion 91.15 (90.85 to 91.85): VV008055.D (-2504) (-)

80000

60000

40000

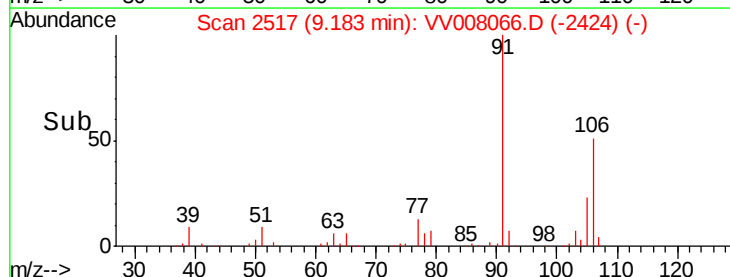
20000

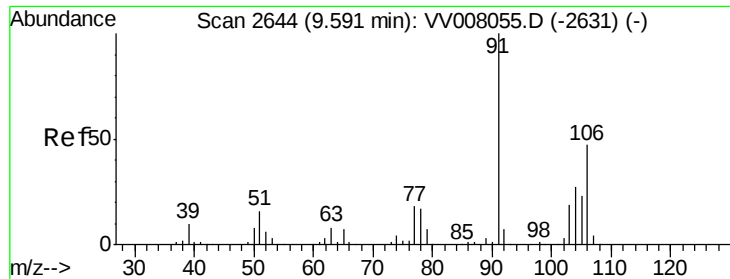
0

9.18

9.10 9.15 9.20 9.25

Time-->





#54

o-xylene

Concen: 5.544 ug/L

RT: 9.59 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampled :

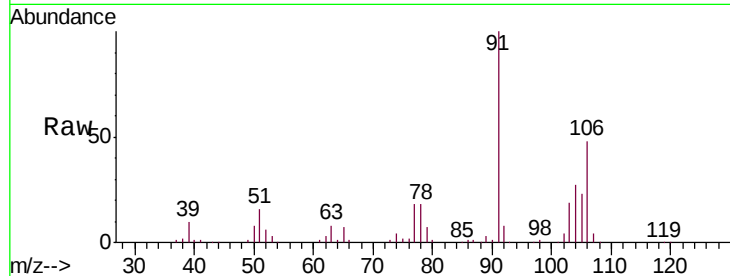
VSTD00571

Tgt Ion:106 Resp: 59667

Ion Ratio Lower Upper

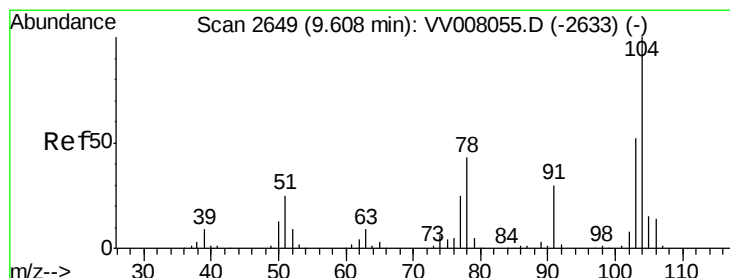
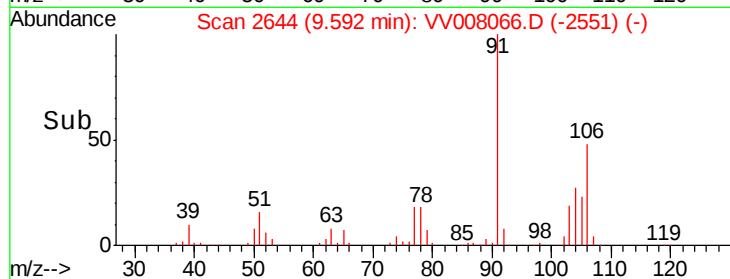
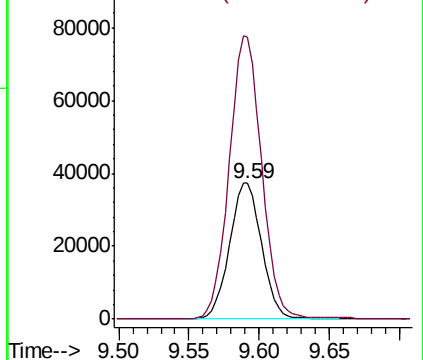
106 100

91 207.1 150.1 278.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.565 ug/L

RT: 9.61 min Scan# 2649

Delta R.T. 0.00 min

Lab File: VV008066.D

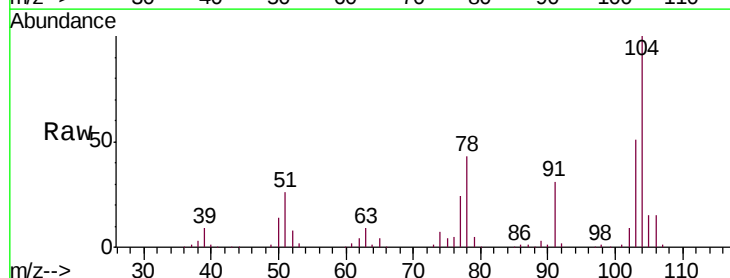
Acq: 04 Oct 2018 17:22

Tgt Ion:104 Resp: 102282

Ion Ratio Lower Upper

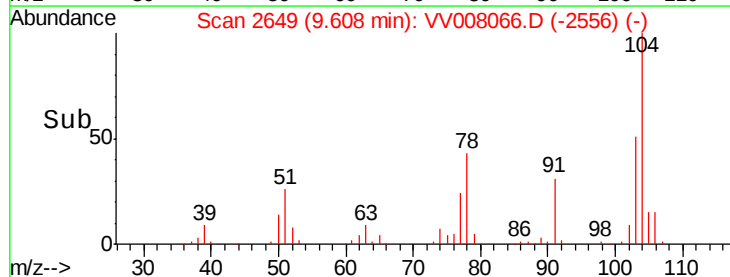
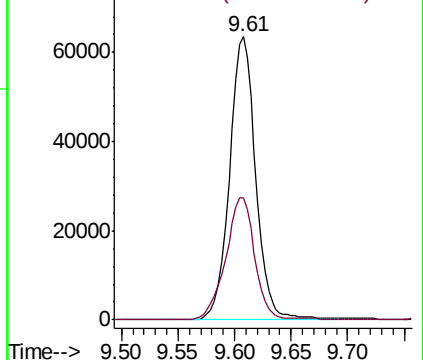
104 100

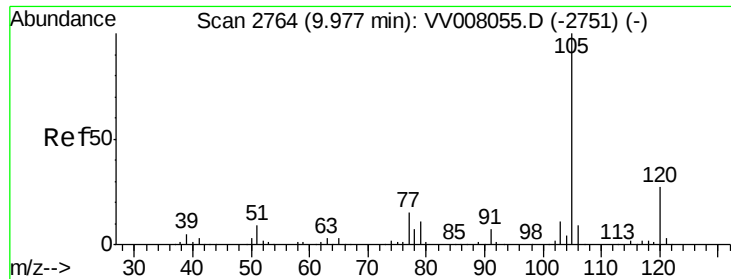
78 43.1 30.4 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.553 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampled :

VSTD00571

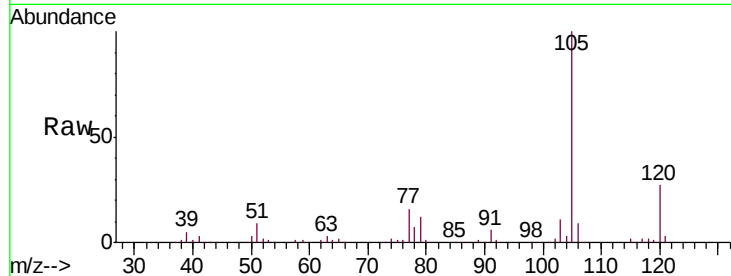
Tgt Ion: 105 Resp: 161856

Ion Ratio Lower Upper

105 100

120 27.2 21.4 32.0

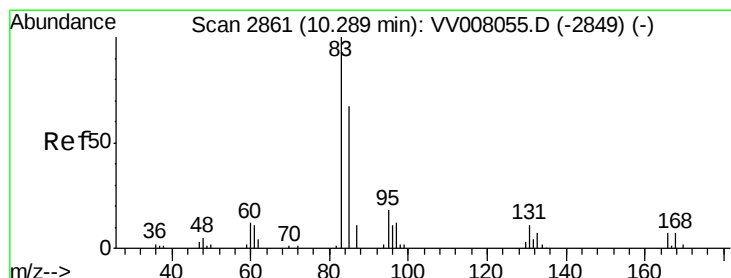
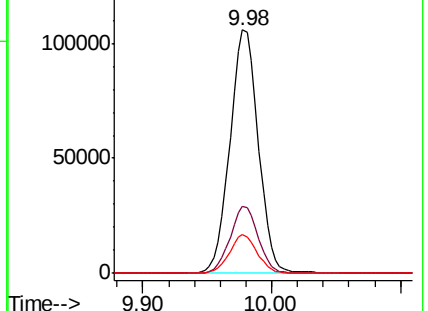
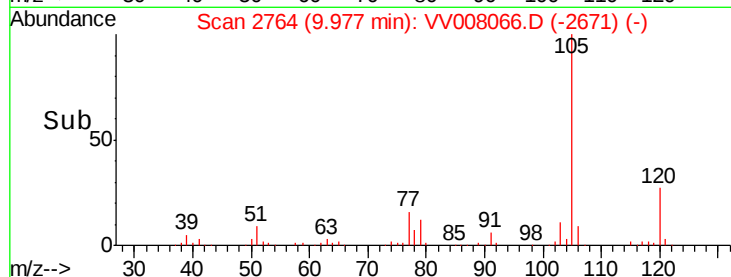
77 15.5 12.7 19.1



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: 5.300 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

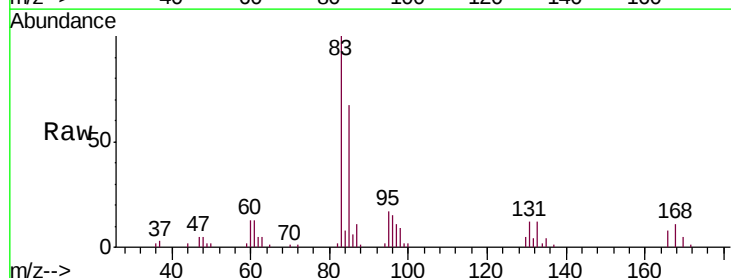
Tgt Ion: 83 Resp: 27641

Ion Ratio Lower Upper

83 100

85 66.9 43.7 81.1

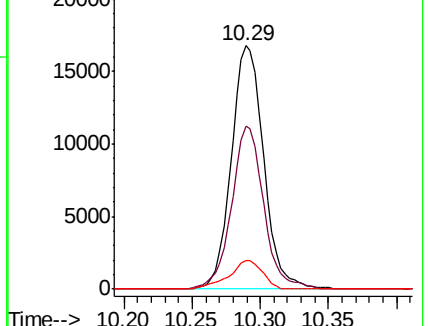
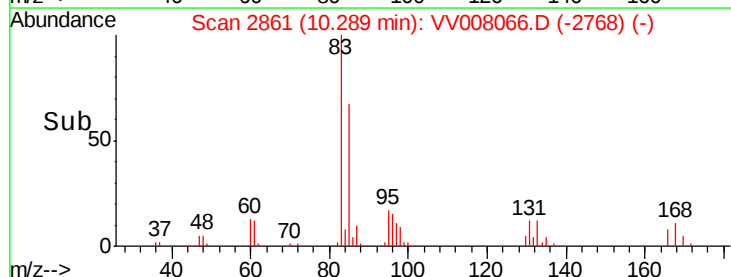
131 11.7 9.0 13.4

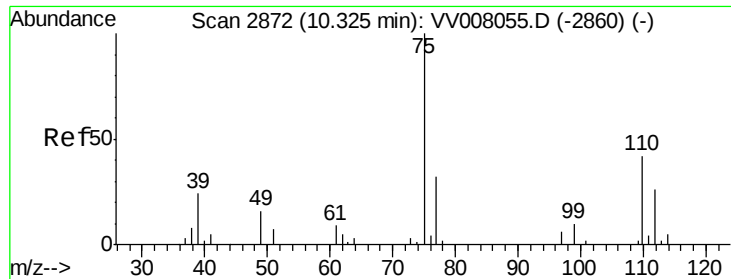


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

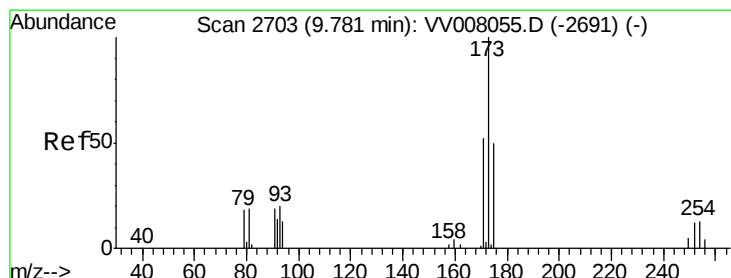
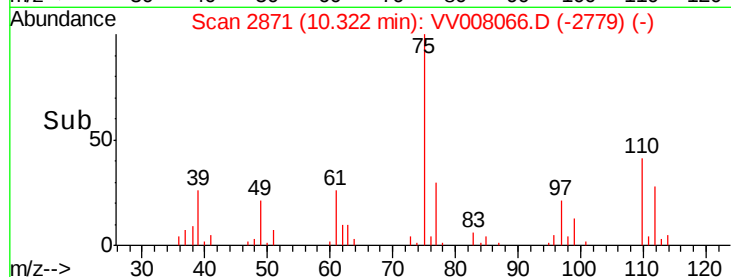
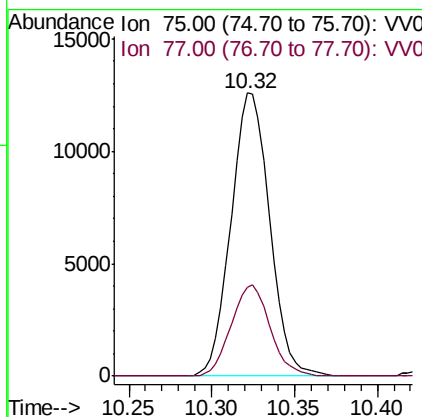
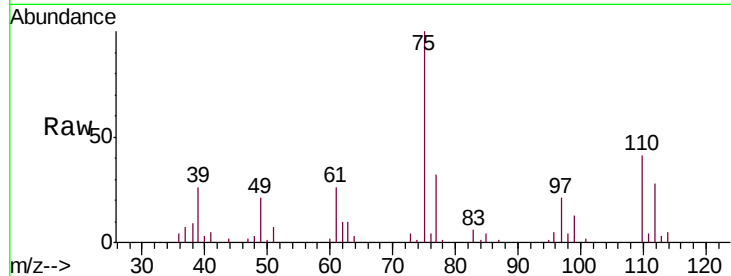




#59
 1,2,3-Trichloropropane
 Concen: 5.340 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

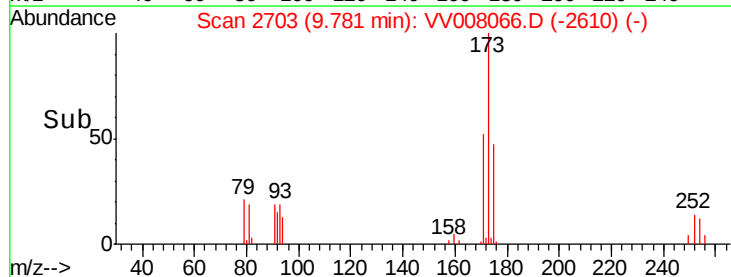
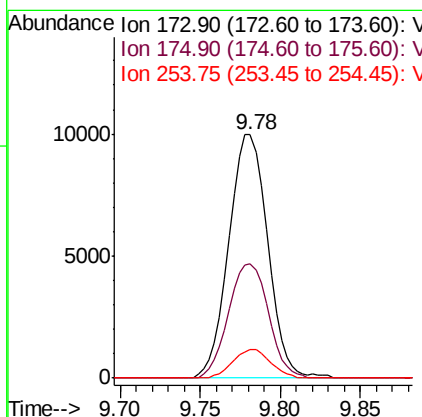
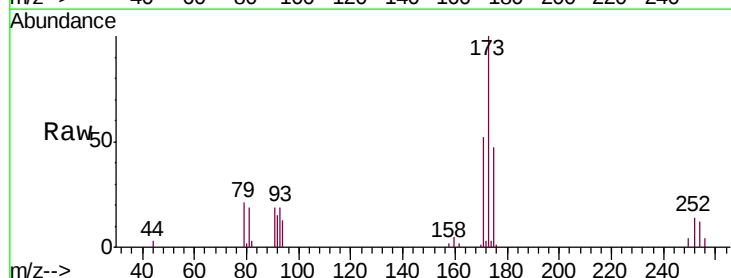
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

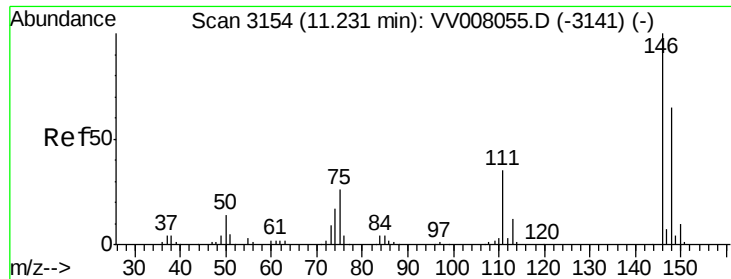
Tgt Ion: 75 Resp: 20442
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.4 39.6



#61
 Bromoform
 Concen: 5.865 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

Tgt Ion: 173 Resp: 16537
 Ion Ratio Lower Upper
 173 100
 175 48.1 41.0 61.6
 254 11.3 9.6 14.4

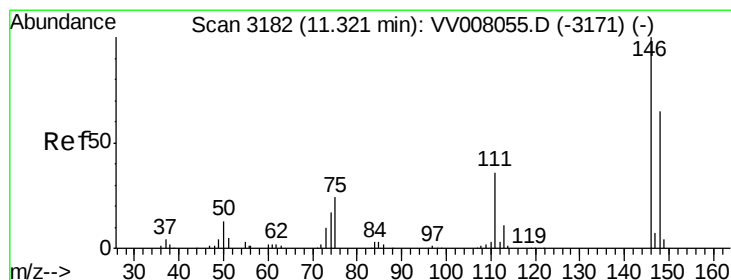
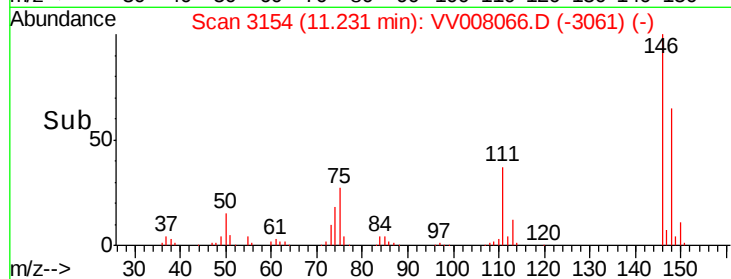
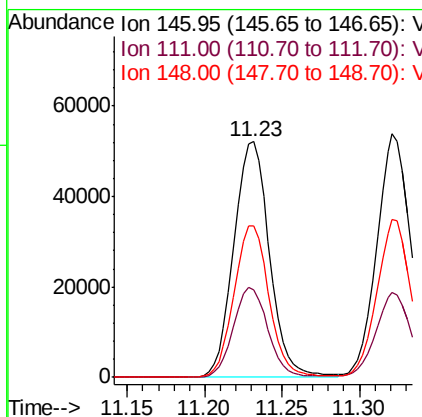
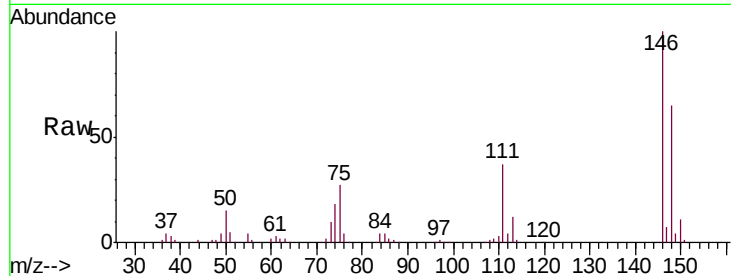




#62
 1,3-Dichlorobenzene
 Concen: 5.394 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. 0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

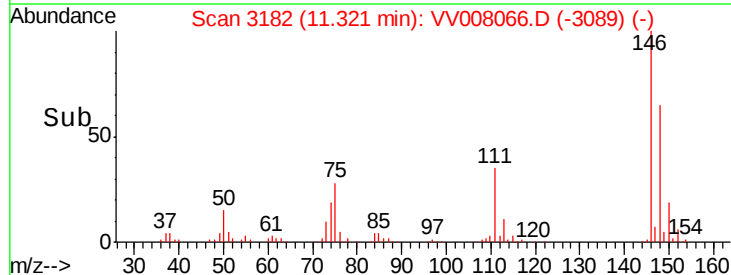
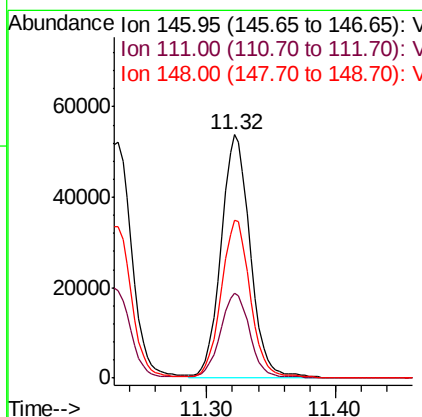
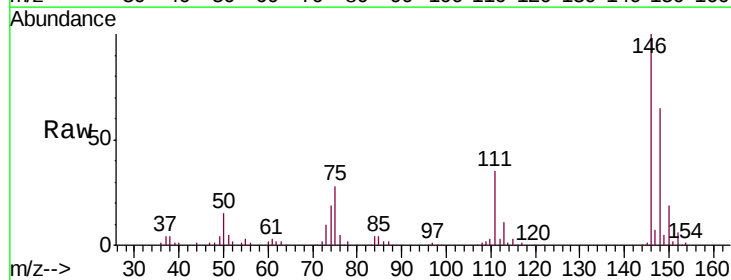
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

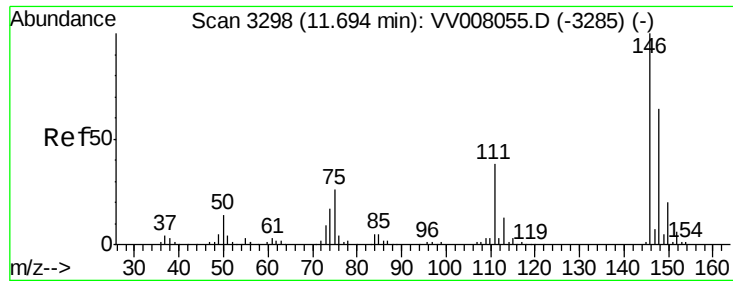
Tgt Ion:146 Resp: 83601
 Ion Ratio Lower Upper
 146 100
 111 36.9 25.8 48.0
 148 64.5 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 5.252 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

Tgt Ion:146 Resp: 84638
 Ion Ratio Lower Upper
 146 100
 111 35.0 25.3 47.1
 148 65.0 44.7 82.9





#65

1,2-Dichlorobenzene

Concen: 5.464 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

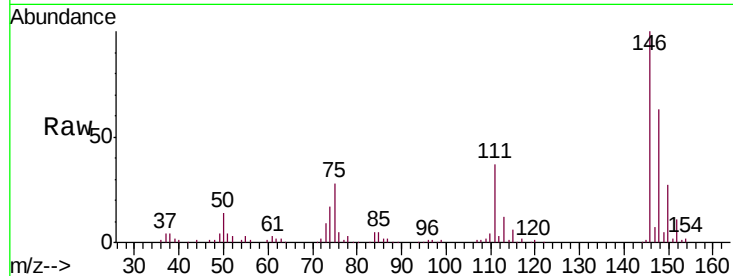
Tgt Ion:146 Resp: 79836

Ion Ratio Lower Upper

146 100

111 37.4 31.2 46.8

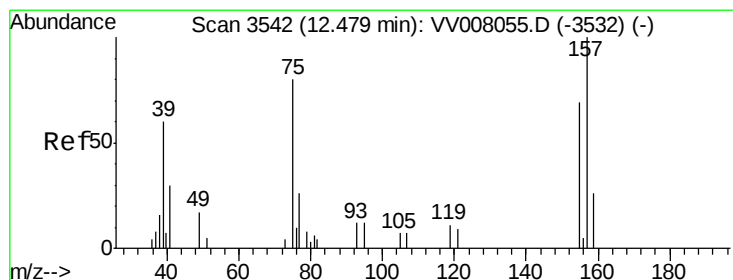
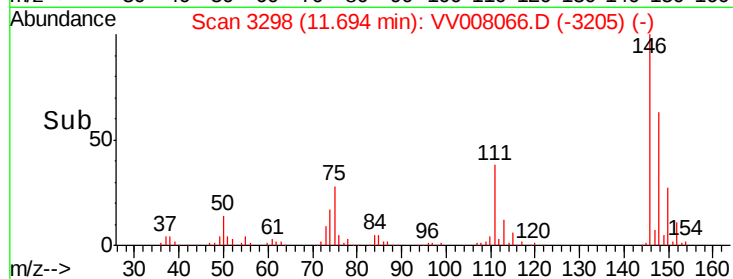
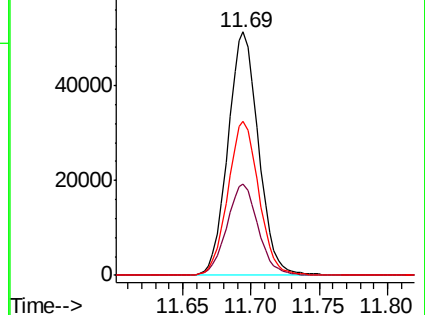
148 63.2 50.3 75.5



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: 5.328 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

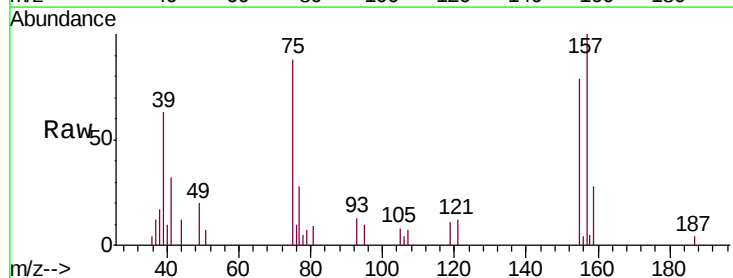
Tgt Ion: 75 Resp: 3966

Ion Ratio Lower Upper

75 100

155 90.2 83.4 125.2

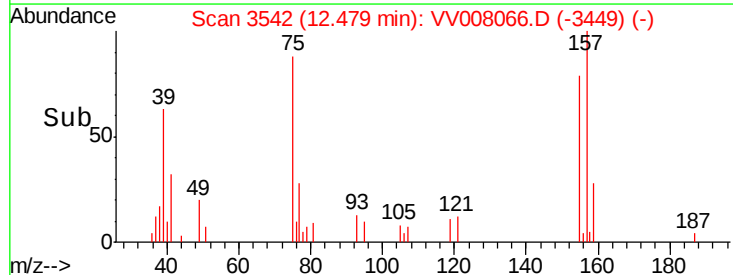
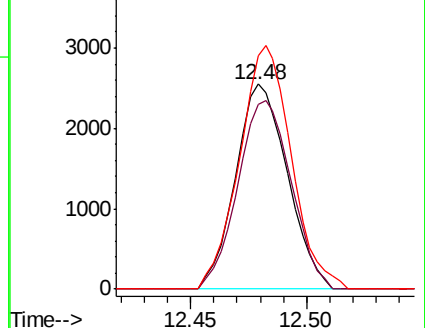
157 113.6 93.9 140.9

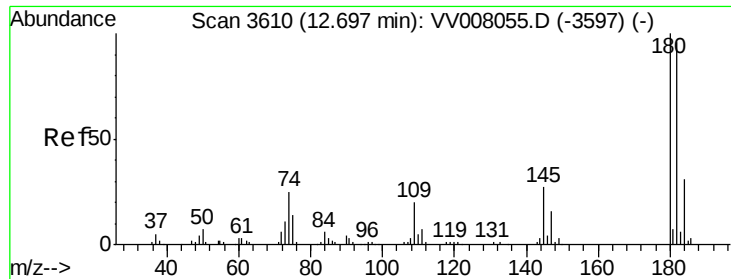


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

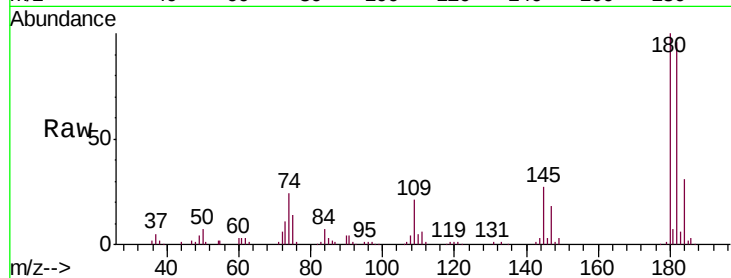




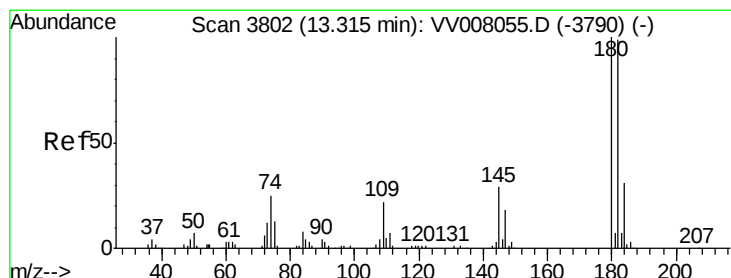
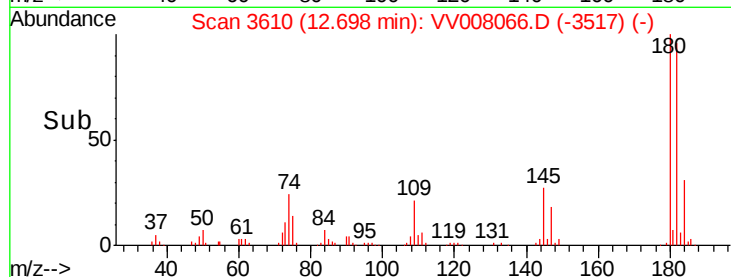
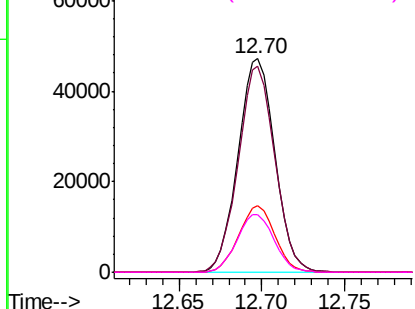
#67
 1,3,5-Trichlorobenzene
 Concen: 5.500 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00571

Tgt Ion:180 Resp: 72988
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.2 114.4
 184 30.6 24.5 36.7
 145 27.3 22.2 33.4

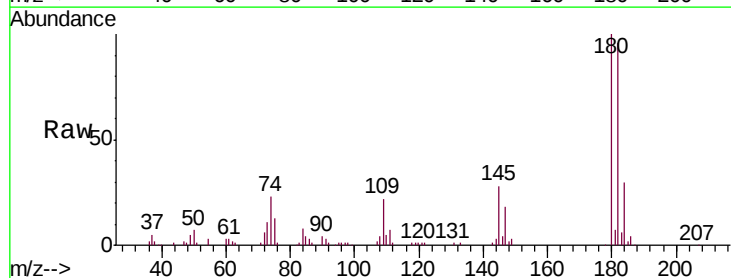


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

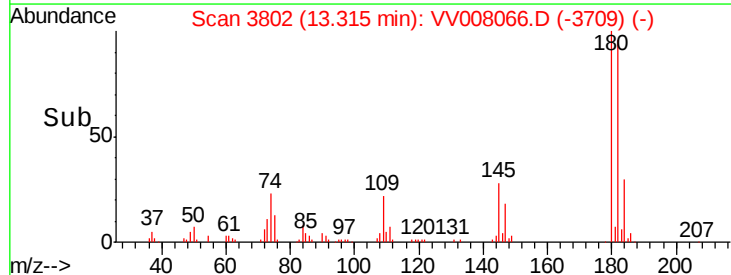
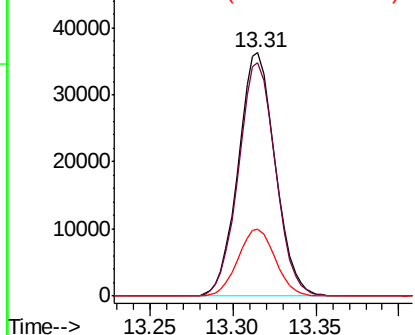


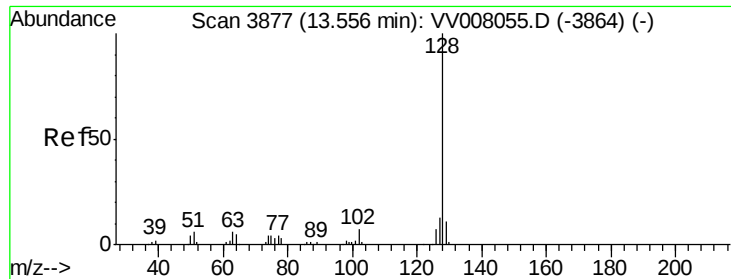
#68
 1,2,4-trichlorobenzene
 Concen: 5.028 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008066.D
 Acq: 04 Oct 2018 17:22

Tgt Ion:180 Resp: 56402
 Ion Ratio Lower Upper
 180 100
 182 95.8 77.4 116.2
 145 27.6 22.6 33.8



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: 4.437 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

Instrument :

MSVOA_V

ClientSampled :

VSTD00571

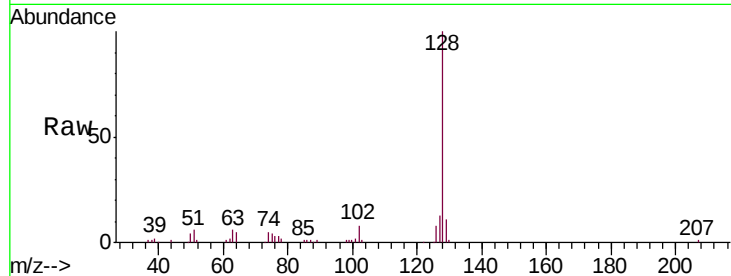
Tgt Ion:128 Resp: 69618

Ion Ratio Lower Upper

128 100

129 11.1 8.6 13.0

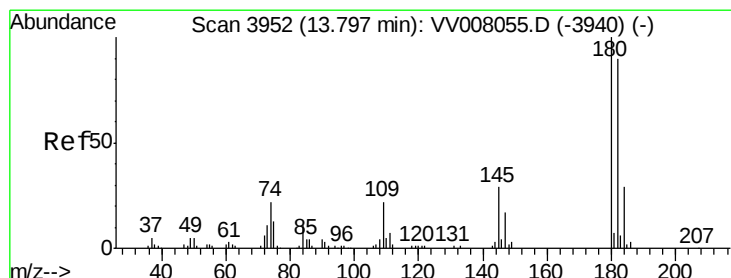
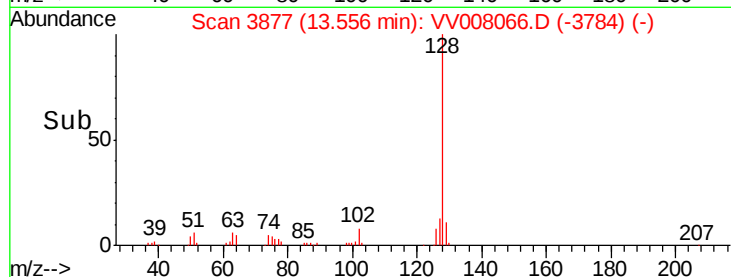
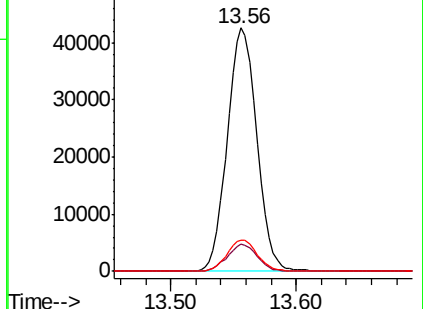
127 13.0 10.3 15.5



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: 5.225 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008066.D

Acq: 04 Oct 2018 17:22

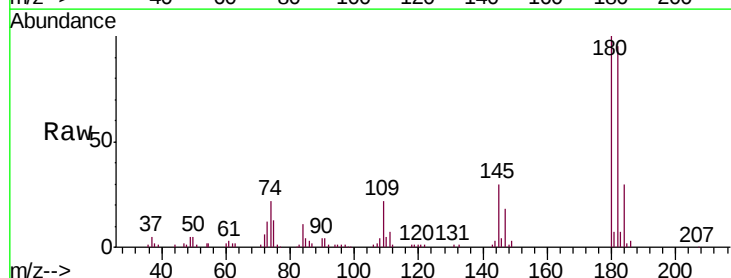
Tgt Ion:180 Resp: 53076

Ion Ratio Lower Upper

180 100

182 94.4 75.7 113.5

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

