

Data File : VV008583.D
Acq On : 16 Nov 2018 16:06
Operator : SY/MD
Sample : VSTD01064
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Quant Time: Nov 17 04:21:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 04:17:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	153896	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	139530	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	65060	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68808	8.76	ug/L	0.00
7) Chloroethane-d5	1.58	69	54485	9.19	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	136025	9.10	ug/L	0.00
20) 2-Butanone-d5	3.97	46	258869	100.53	ug/L	0.00
24) Chloroform-d	4.41	84	187015	9.76	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	94057	9.35	ug/L	0.00
32) Benzene-d6	5.10	84	360880	9.67	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	117406	10.03	ug/L	0.00
41) Toluene-d8	7.36	98	343307	10.13	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	46245	9.81	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	211599	101.14	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	82989	9.82	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	115459	9.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	123326	9.180 ug/L	98
3) Chloromethane	1.25	50	99854	9.079 ug/L	100
5) Vinyl chloride	1.32	62	96750	9.281 ug/L	97
6) Bromomethane	1.54	94	56076	8.832 ug/L	93
8) Chloroethane	1.60	64	54676	9.786 ug/L	100
9) Trichlorofluoromethane	1.77	101	132613	10.068 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	77570	9.752 ug/L	96
12) 1,1-Dichloroethene	2.14	96	69958	9.932 ug/L	93
13) Acetone	2.23	43	129620	96.276 ug/L	96
14) Carbon disulfide	2.32	76	216050	9.299 ug/L	100
15) Methyl Acetate	2.47	43	32590	9.719 ug/L	100
16) Methylene chloride	2.54	84	75040	9.479 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	185829	9.922 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	75411	9.446 ug/L	95
19) 1,1-Dichloroethane	3.23	63	195363	11.561 ug/L	97
21) 2-Butanone	4.06	43	286342	100.276 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	114109	9.477 ug/L	99
23) Bromochloromethane	4.30	128	46024	9.848 ug/L	95
25) Chloroform	4.43	83	199609	9.646 ug/L	100
27) 1,2-Dichloroethane	5.18	62	121934	9.337 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	175203	10.068 ug/L	100
30) Cyclohexane	4.72	56	191980	9.909 ug/L	98
31) Carbon tetrachloride	4.87	117	152465	10.095 ug/L	100
33) Benzene	5.15	78	430843	9.972 ug/L	100
34) Trichloroethene	5.96	95	116035	10.049 ug/L	99
35) Methylcyclohexane	6.18	83	196978	10.334 ug/L	98
37) 1,2-Dichloropropane	6.23	63	112540	9.692 ug/L	100
38) Bromodichloromethane	6.56	83	133710	9.834 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	160667	10.251 ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	683673	99.367 ug/L	99

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Nov 17 04:17:19 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	451523	10.046	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	131474	10.441	ug/L	98
45) 1,1,2-Trichloroethane	7.89	97	73274	10.074	ug/L	98
47) Tetrachloroethene	8.02	164	83364	9.969	ug/L	97
48) 2-Hexanone	8.19	43	472717	100.674	ug/L	97
49) Dibromochloromethane	8.29	129	85341	10.171	ug/L	99
50) 1,2-Dibromoethane	8.40	107	67414	9.909	ug/L #	92
51) Chlorobenzene	8.93	112	278899	10.121	ug/L	98
52) Ethylbenzene	9.06	91	504111	10.127	ug/L	100
53) m,p-xylene	9.18	106	186940	10.278	ug/L	95
54) o-xylene	9.59	106	180335	10.315	ug/L	100
55) Styrene	9.60	104	299821	10.291	ug/L	99
56) Isopropylbenzene	9.98	105	490852	10.348	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	87477	10.104	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	67205	10.198	ug/L	100
61) Bromoform	9.78	173	42243	9.945	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	208428	9.720	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	207165	9.888	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	196871	9.807	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	13719	9.227	ug/L	88
67) 1,3,5-Trichlorobenzene	12.70	180	153587	10.323	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	129357	11.134	ug/L	99
69) Naphthalene	13.56	128	215858	10.383	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	118426	10.570	ug/L	98

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

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MSVOA_V
ClientSampleId :
VSTD01064

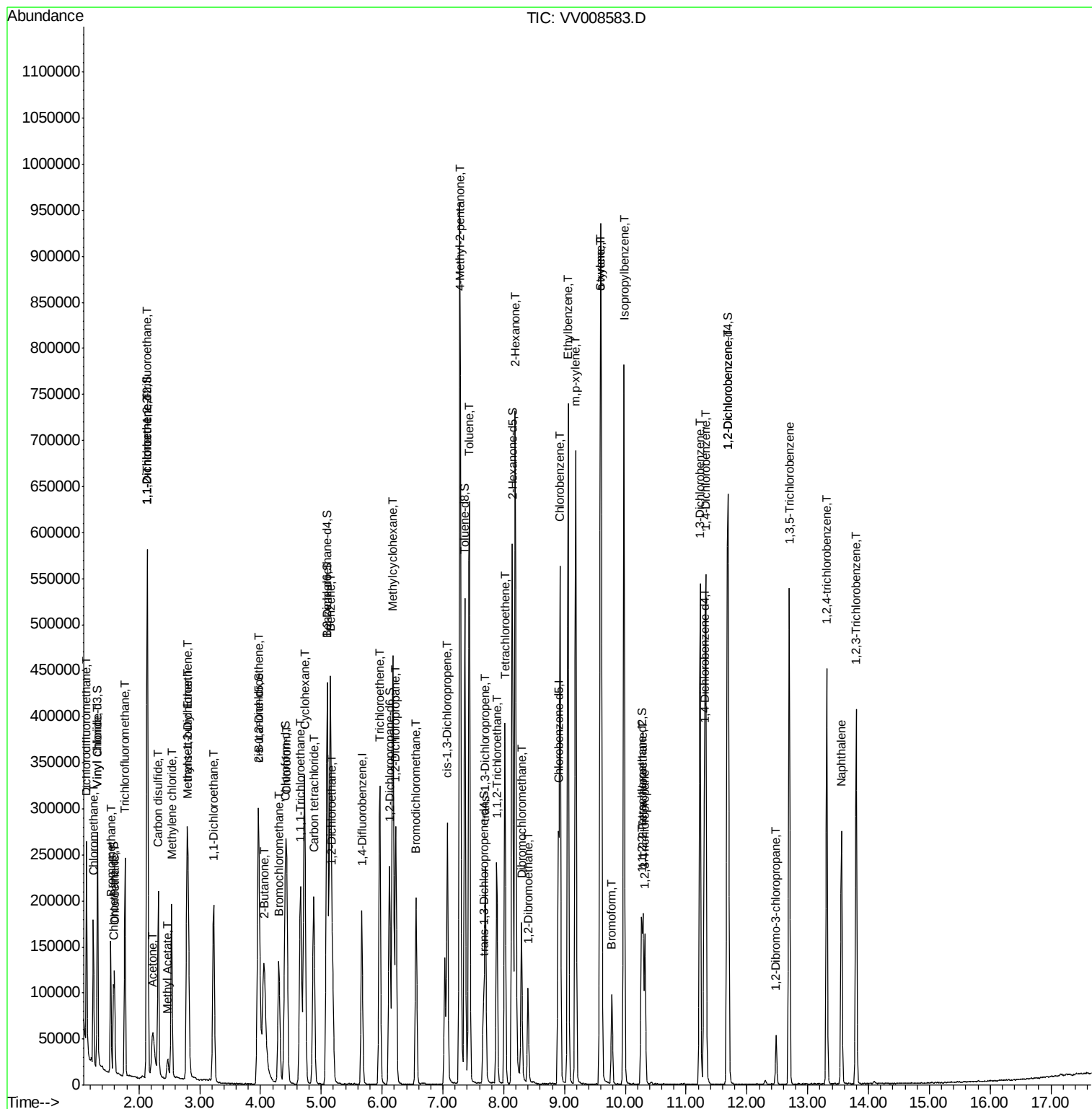
Quant Time: Nov 17 04:21:12 2018

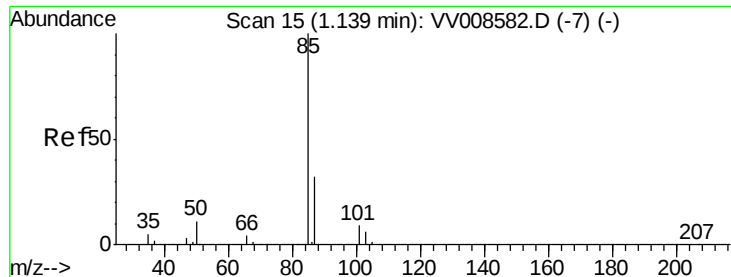
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR111718WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Nov 17 04:17:19 2018

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 9.180 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampled :

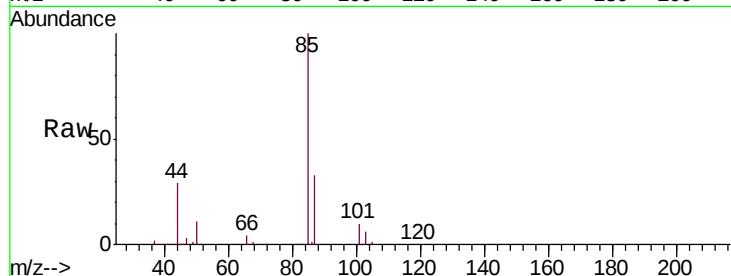
VSTD01064

Tgt Ion: 85 Resp: 123326

Ion Ratio Lower Upper

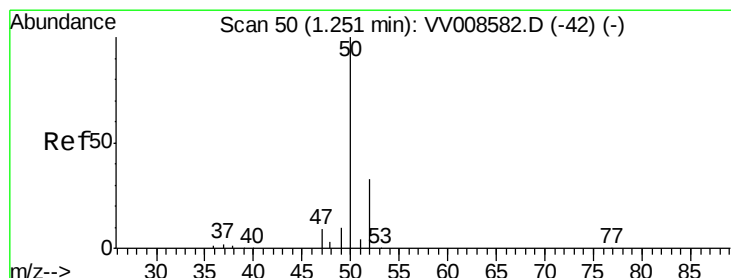
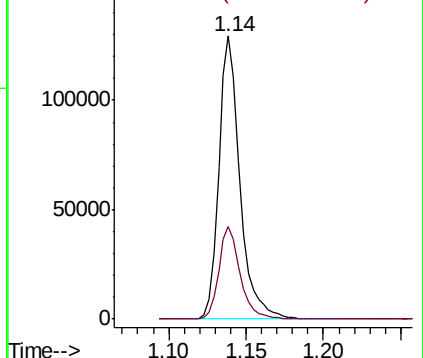
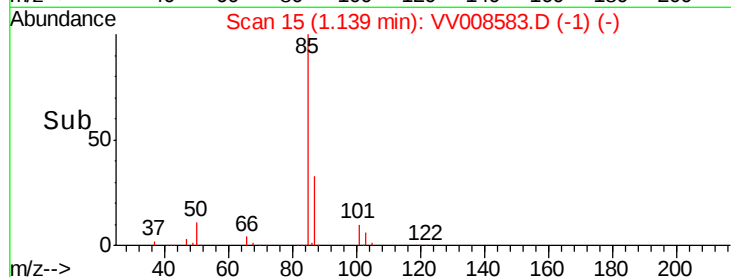
85 100

87 32.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV008583.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV008583.D (-1) (-)



#3

Chloromethane

Concen: 9.079 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV008583.D

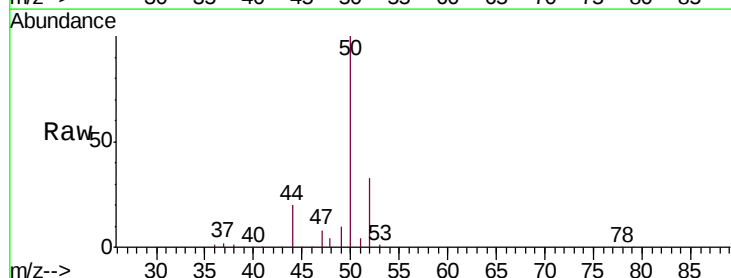
Acq: 16 Nov 2018 16:06

Tgt Ion: 50 Resp: 99854

Ion Ratio Lower Upper

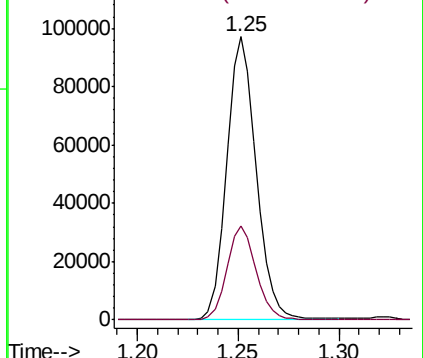
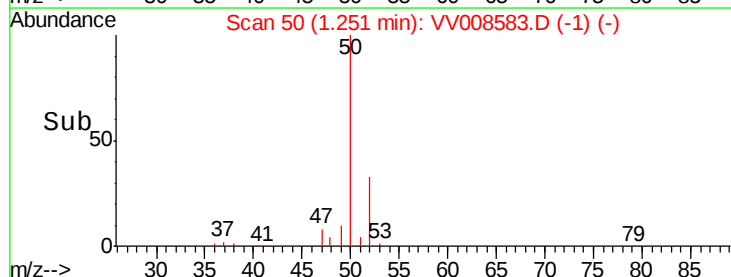
50 100

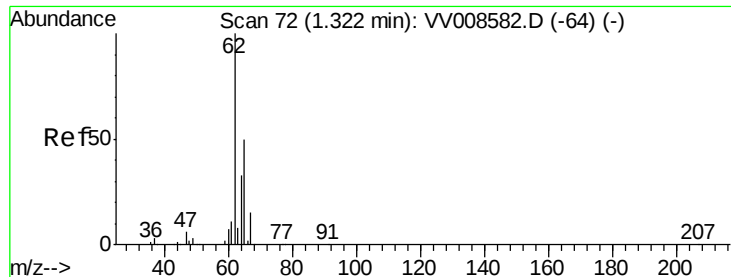
52 33.2 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV008583.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV008583.D (-1) (-)





#5

Vinyl chloride

Concen: 9.281 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampled :

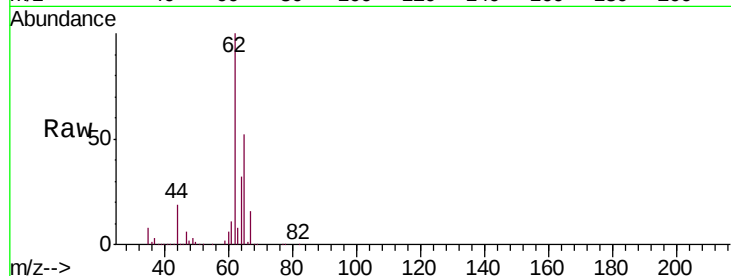
VSTD01064

Tgt Ion: 62 Resp: 96750

Ion Ratio Lower Upper

62 100

64 31.9 23.4 43.4



Abundance Ion 62.00 (61.70 to 62.70): VV008582.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV008583.D (-46) (-)

1.32

100000

80000

60000

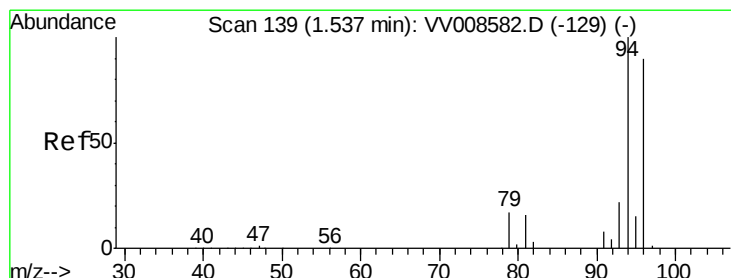
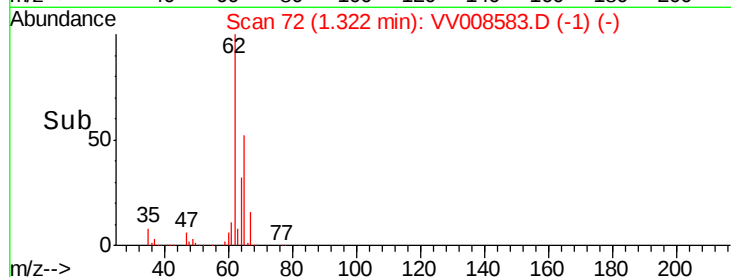
40000

20000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 8.832 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV008583.D

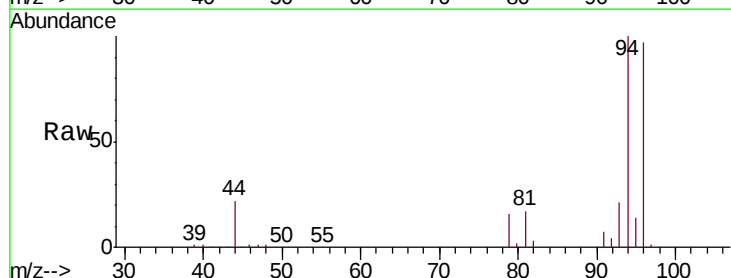
Acq: 16 Nov 2018 16:06

Tgt Ion: 94 Resp: 56076

Ion Ratio Lower Upper

94 100

96 96.8 63.2 117.4



Abundance Ion 94.00 (93.70 to 94.70): VV008582.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV008583.D (-46) (-)

1.54

60000

50000

40000

30000

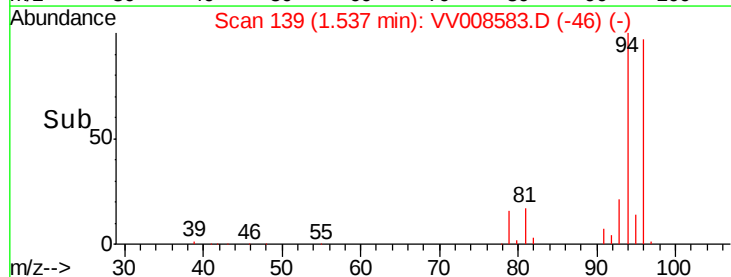
20000

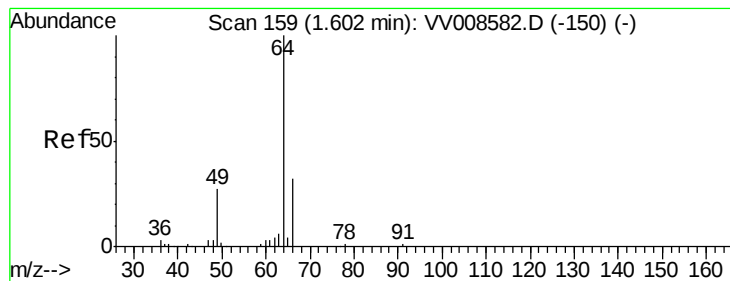
10000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 9.786 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

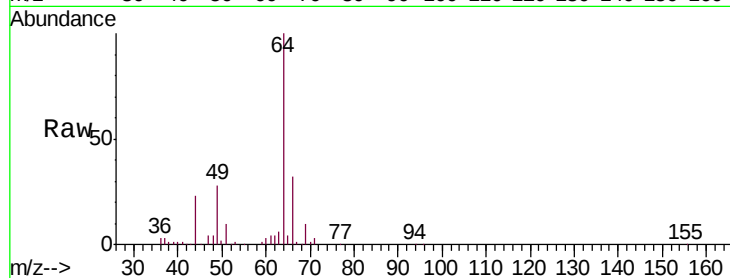
VSTD01064

Tgt Ion: 64 Resp: 54676

Ion Ratio Lower Upper

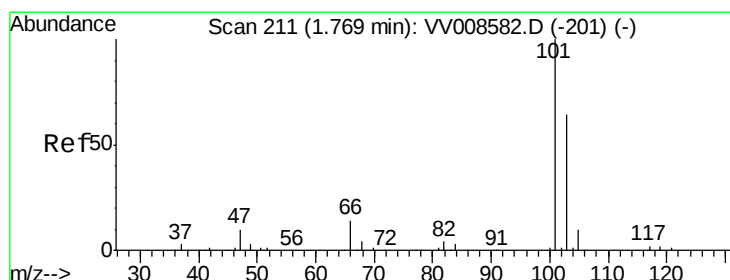
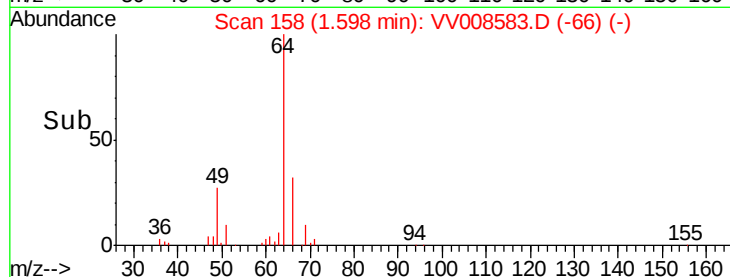
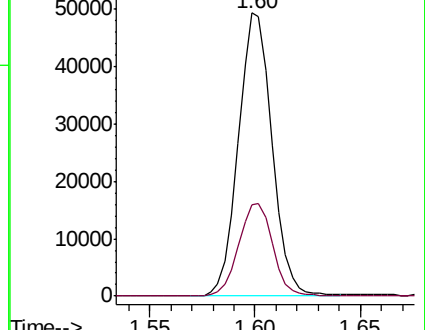
64 100

66 32.4 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV008582.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV008583.D (-66) (-)



#9

Trichlorofluoromethane

Concen: 10.068 ug/L

RT: 1.77 min Scan# 211

Delta R.T. 0.00 min

Lab File: VV008583.D

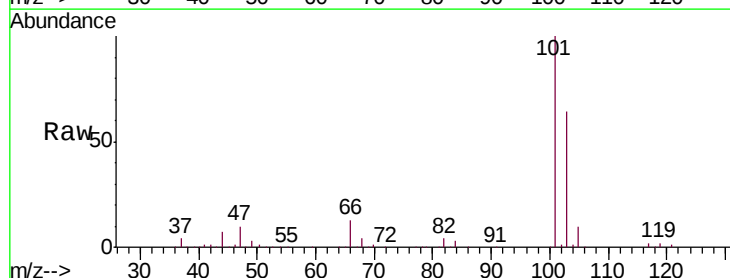
Acq: 16 Nov 2018 16:06

Tgt Ion: 101 Resp: 132613

Ion Ratio Lower Upper

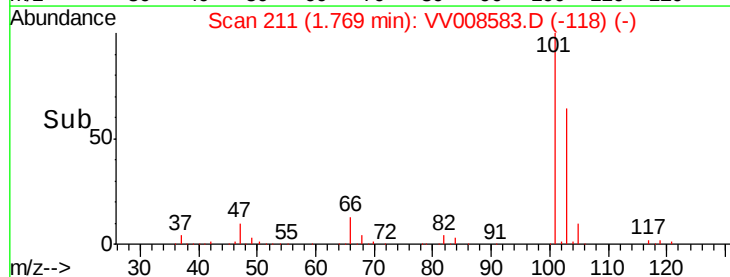
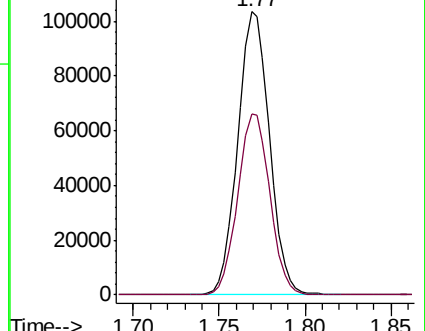
101 100

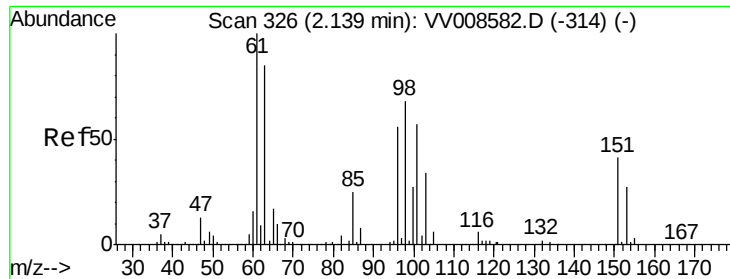
103 64.4 51.1 76.7



Abundance Ion 101.00 (100.70 to 101.70): VV008582.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV008583.D (-118) (-)





#10

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

Concen: 9.752 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

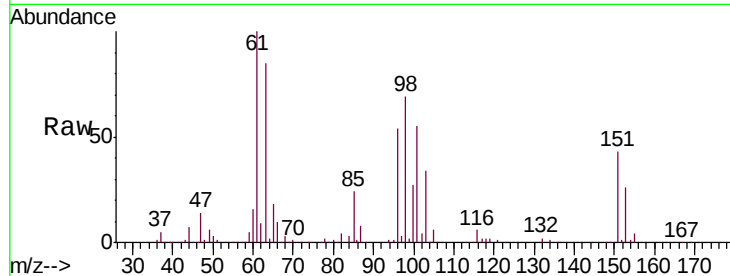
Tgt Ion:101 Resp: 77570

Ion Ratio Lower Upper

101 100

85 43.2 35.4 53.0

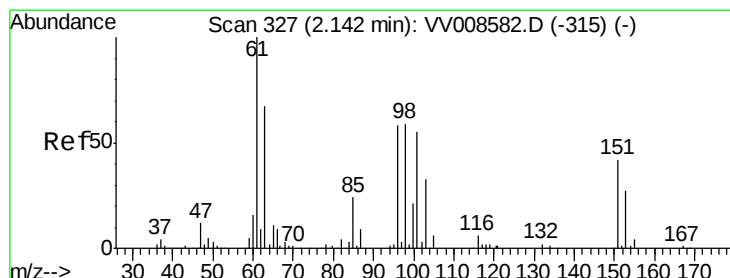
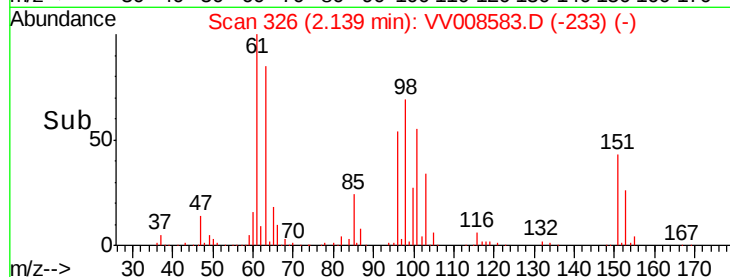
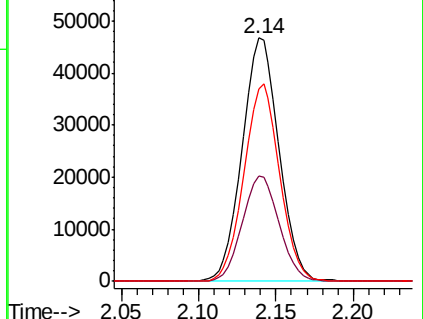
151 78.5 59.4 89.2



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: 9.932 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

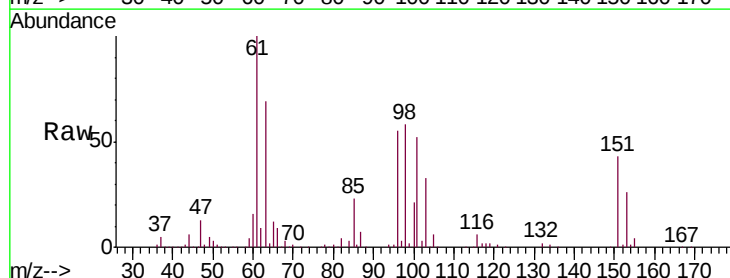
Tgt Ion: 96 Resp: 69958

Ion Ratio Lower Upper

96 100

61 181.8 120.3 223.5

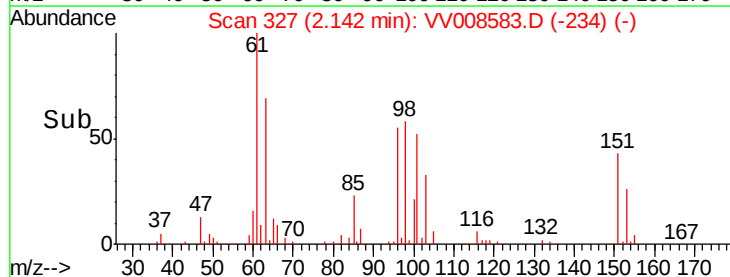
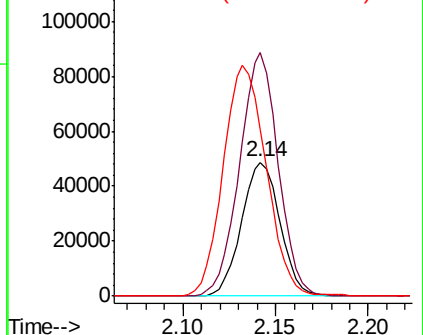
63 124.9 82.5 153.3

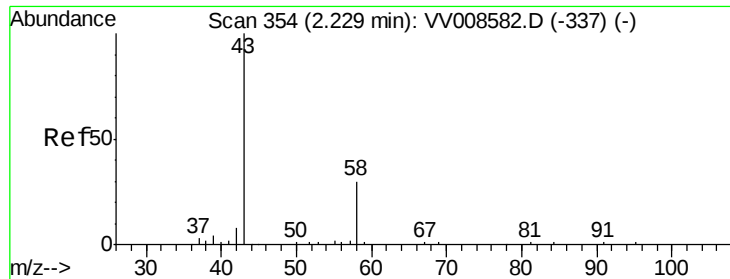


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 96.276 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

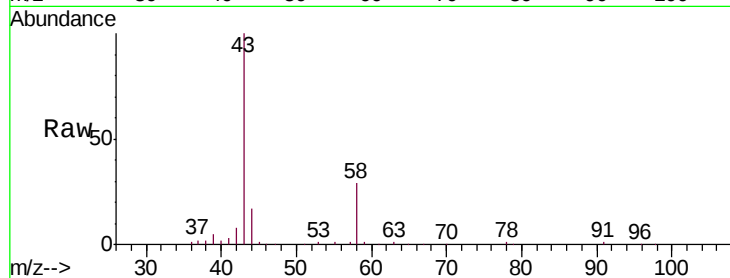
VSTD01064

Tgt Ion: 43 Resp: 129620

Ion Ratio Lower Upper

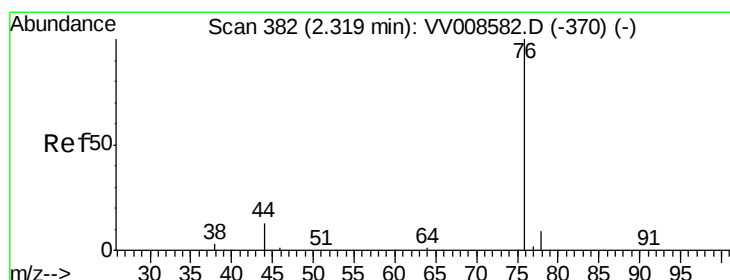
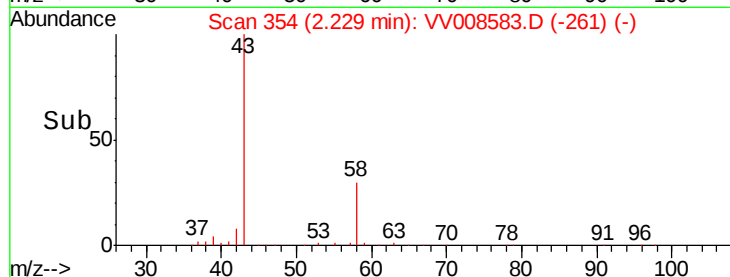
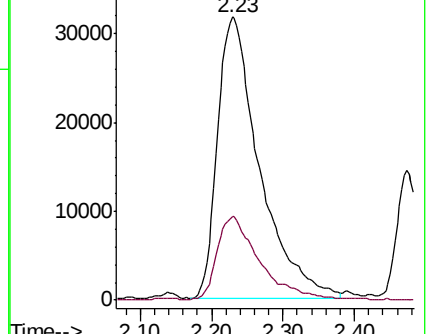
43 100

58 30.1 0.0 56.4



Abundance Ion 43.05 (42.75 to 43.75): VV008582.D (-337) (-)

Ion 58.05 (57.75 to 58.75): VV008582.D (-337) (-)



#14

Carbon disulfide

Concen: 9.299 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008583.D

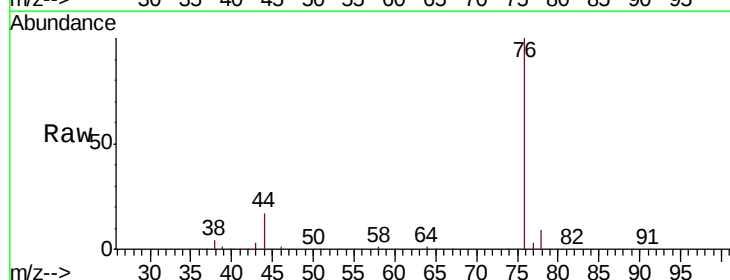
Acq: 16 Nov 2018 16:06

Tgt Ion: 76 Resp: 216050

Ion Ratio Lower Upper

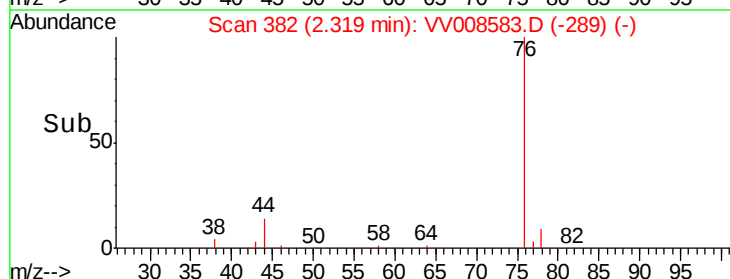
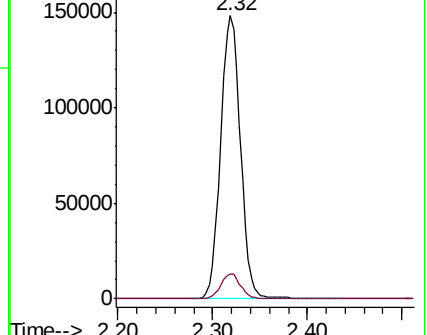
76 100

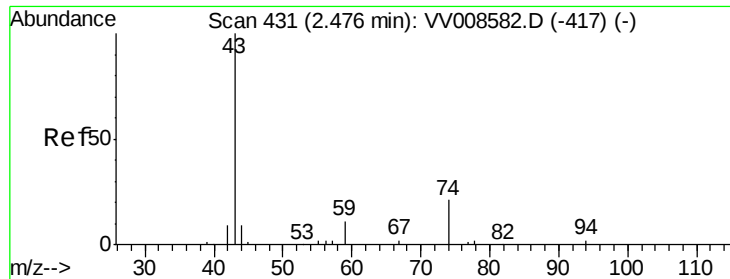
78 9.0 7.0 10.6



Abundance Ion 76.05 (75.75 to 76.75): VV008582.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV008582.D (-370) (-)

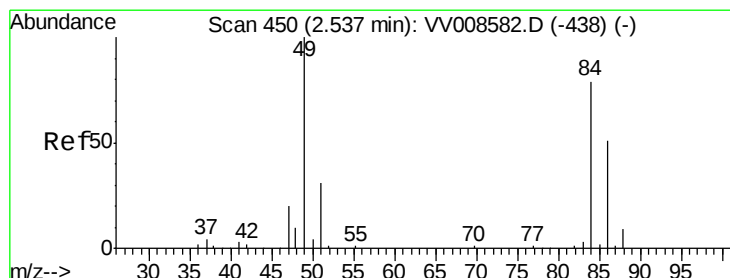
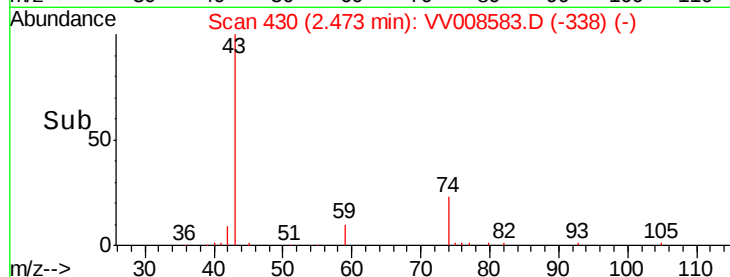
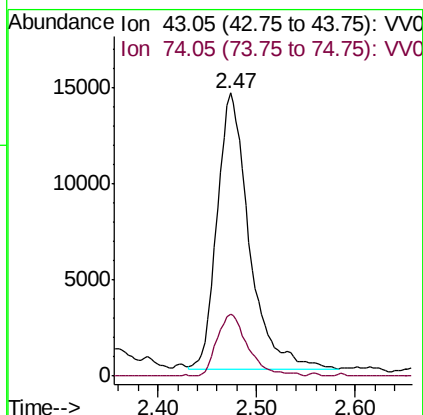
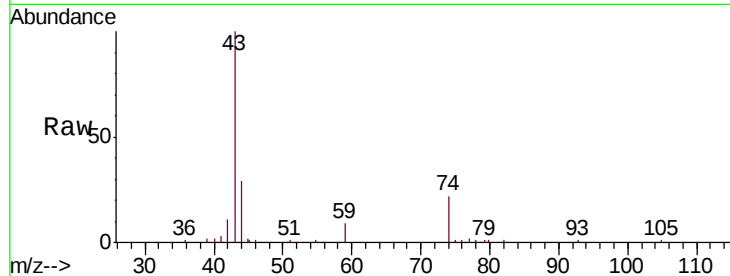




#15
Methyl Acetate
Concen: 9.719 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

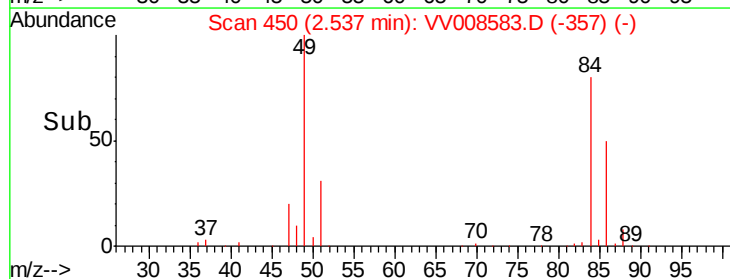
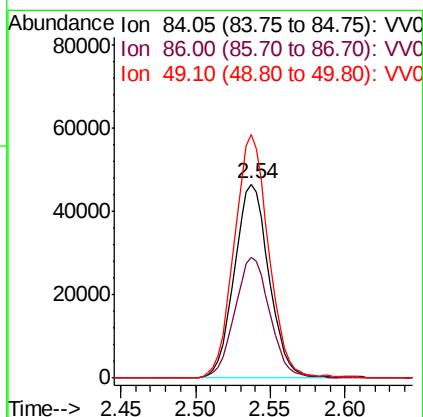
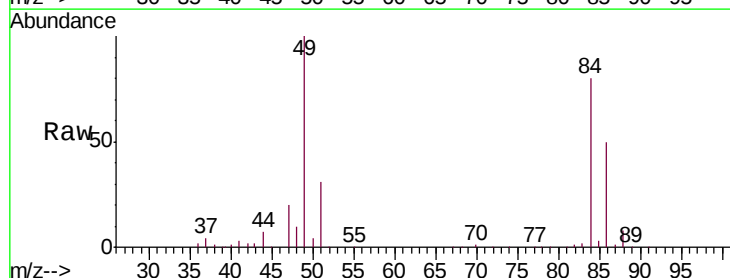
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

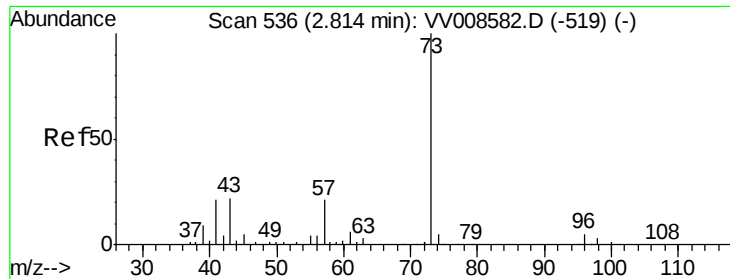
Tgt Ion: 43 Resp: 32590
Ion Ratio Lower Upper
43 100
74 22.0 17.6 26.4



#16
Methylene chloride
Concen: 9.479 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

Tgt Ion: 84 Resp: 75040
Ion Ratio Lower Upper
84 100
86 62.4 44.8 83.2
49 125.6 88.1 163.7



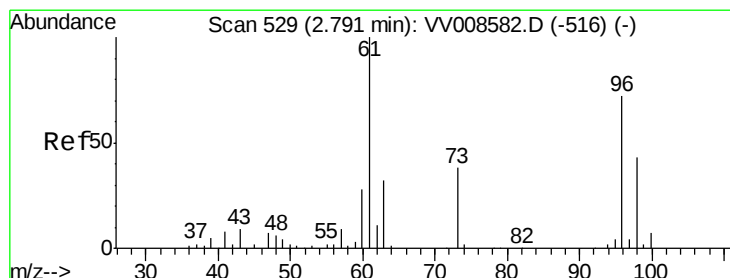
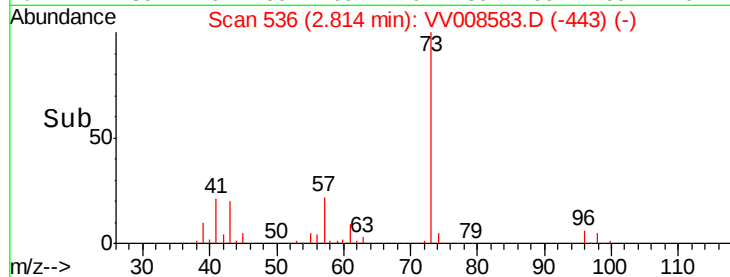
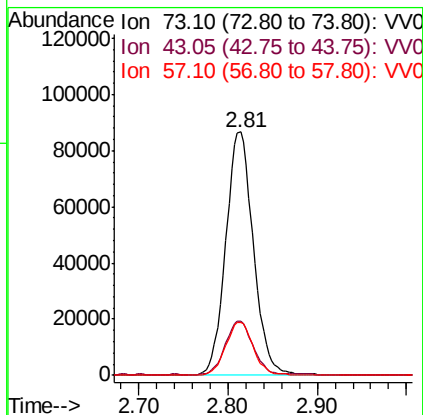
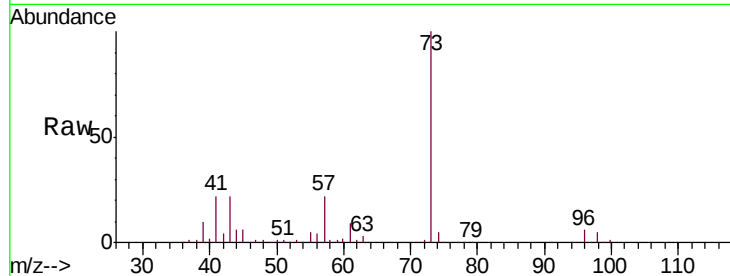


#17

Methyl tert-butyl Ether
 Concen: 9.922 ug/L
 RT: 2.81 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

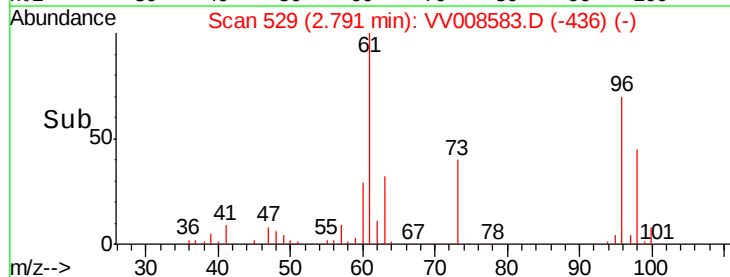
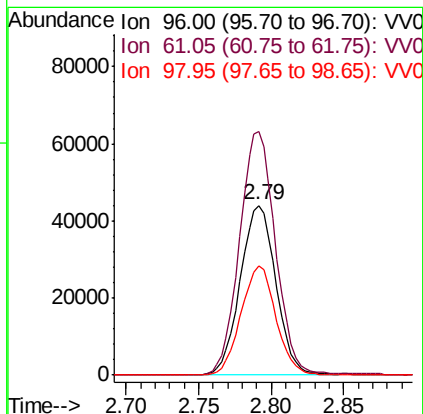
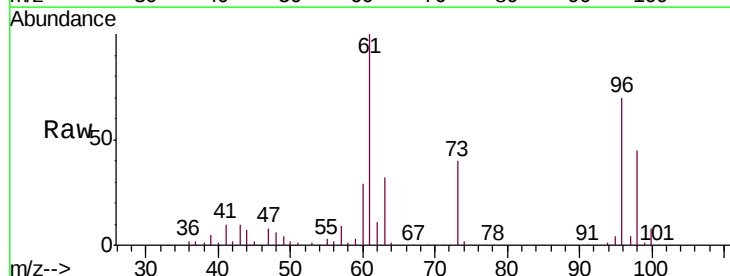
Tgt Ion:	73	Resp:	185829
Ion	Ratio	Lower	Upper
73	100		
43	22.0	18.1	27.1
57	21.9	17.9	26.9

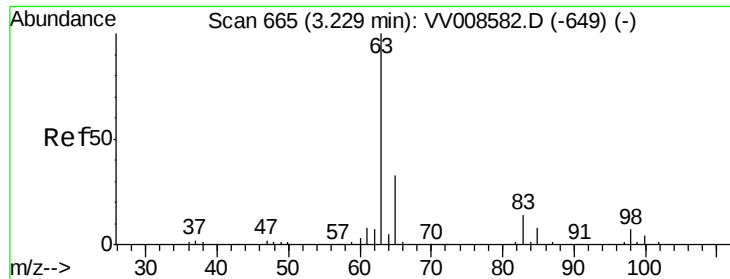


#18

trans-1,2-Dichloroethene
 Concen: 9.446 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

Tgt Ion:	96	Resp:	75411
Ion	Ratio	Lower	Upper
96	100		
61	143.7	97.1	180.3
98	64.3	41.9	77.7

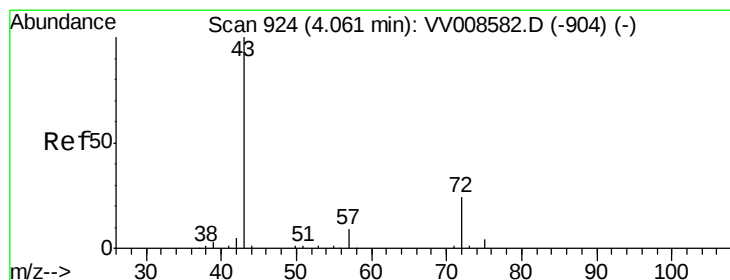
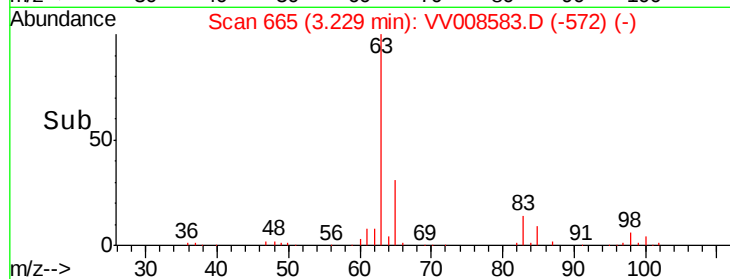
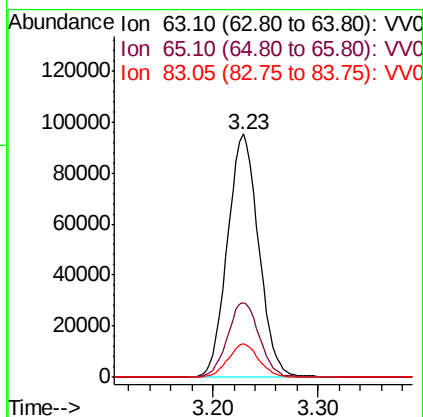
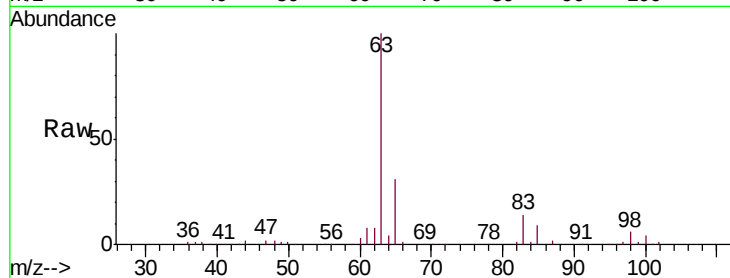




#19
 1,1-Dichloroethane
 Concen: 11.561 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

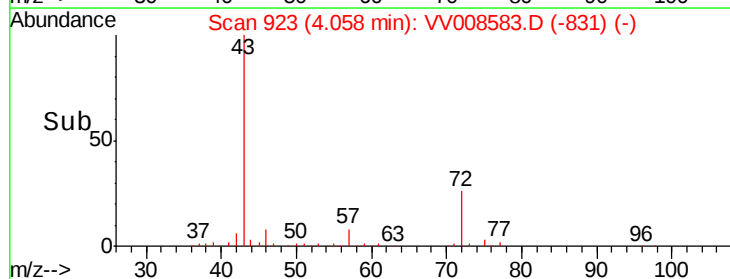
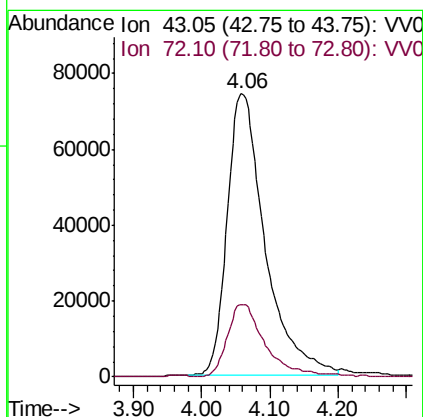
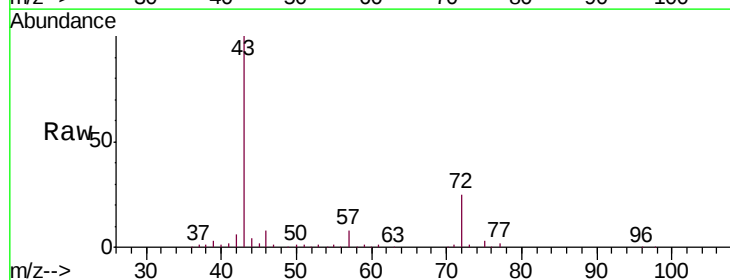
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

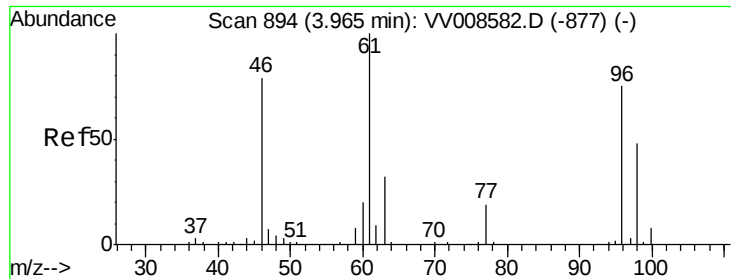
Tgt Ion: 63 Resp: 195363
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.2 43.0
 83 13.9 9.5 17.7



#21
 2-Butanone
 Concen: 100.276 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. -0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

Tgt Ion: 43 Resp: 286342
 Ion Ratio Lower Upper
 43 100
 72 24.6 12.3 36.9





#22

cis-1,2-Dichloroethene

Concen: 9.477 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

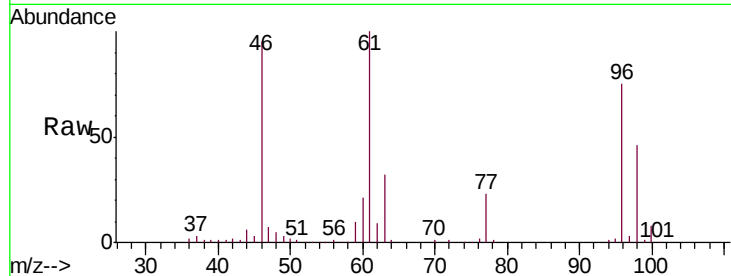
Tgt Ion: 96 Resp: 114109

Ion Ratio Lower Upper

96 100

61 133.9 93.2 173.2

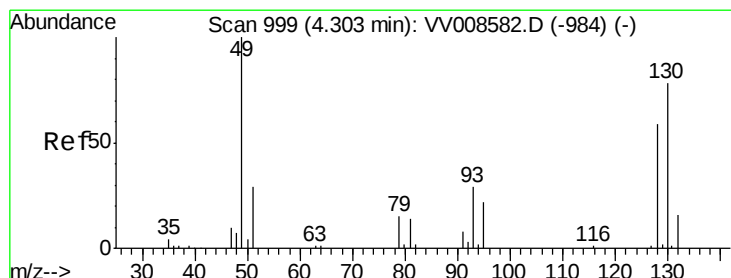
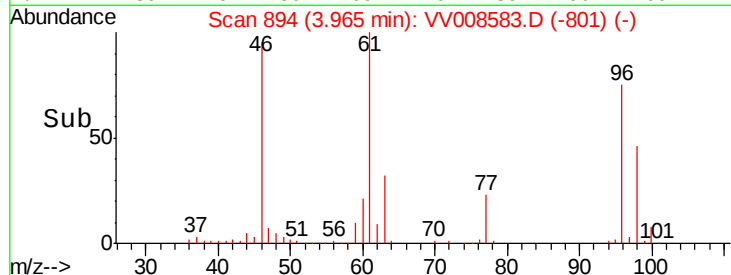
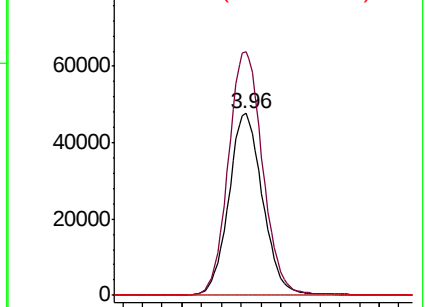
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV008583.D (-906) (-)

Ion 61.05 (60.75 to 61.75): VV008583.D (-906) (-)

Ion 68.15 (67.85 to 68.85): VV008583.D (-906) (-)



#23

Bromochloromethane

Concen: 9.848 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Tgt Ion: 128 Resp: 46024

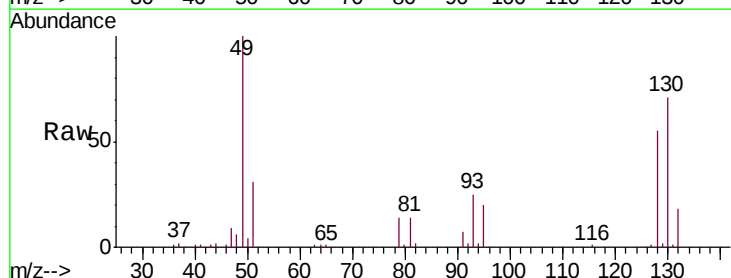
Ion Ratio Lower Upper

128 100

49 180.3 120.0 222.8

130 128.6 92.3 171.3

51 56.2 40.0 60.0

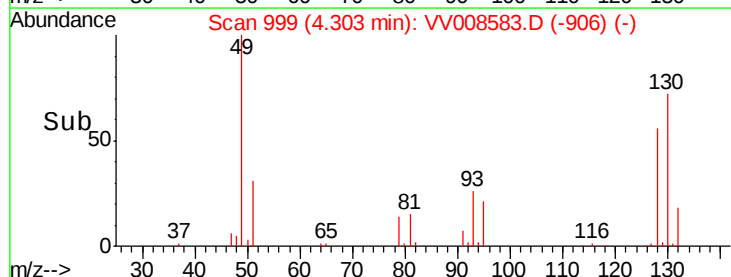
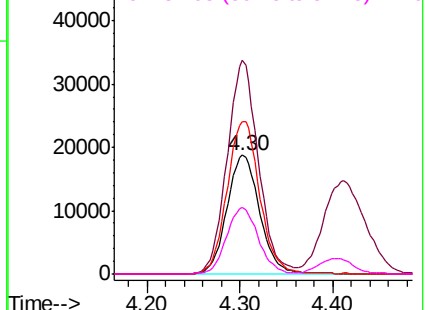


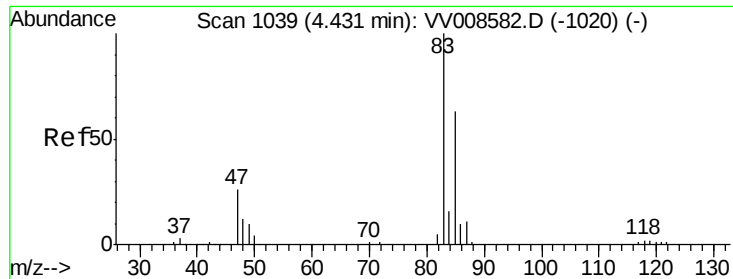
Abundance Ion 127.90 (127.60 to 128.60): VV008583.D (-906) (-)

Ion 49.10 (48.80 to 49.80): VV008583.D (-906) (-)

Ion 129.95 (129.65 to 130.65): VV008583.D (-906) (-)

Ion 51.05 (50.75 to 51.75): VV008583.D (-906) (-)

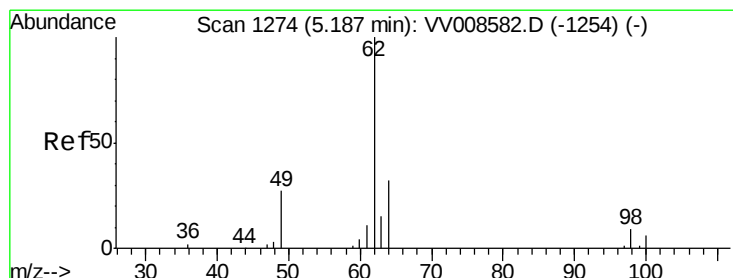
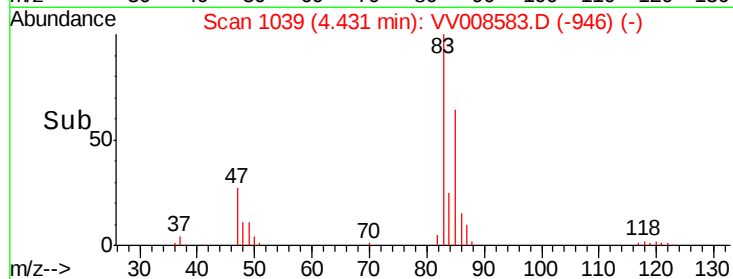
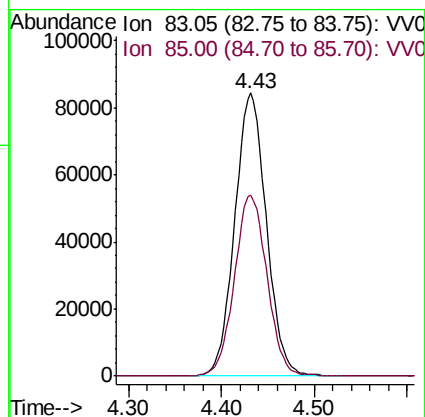
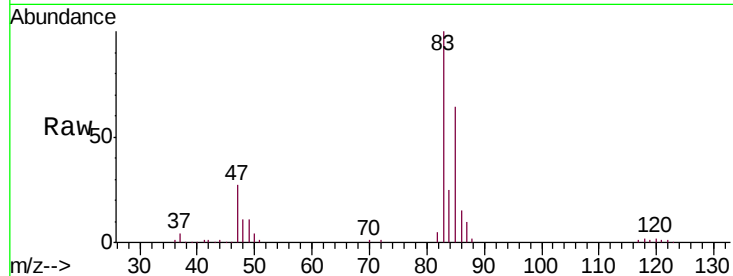




#25
Chloroform
Concen: 9.646 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

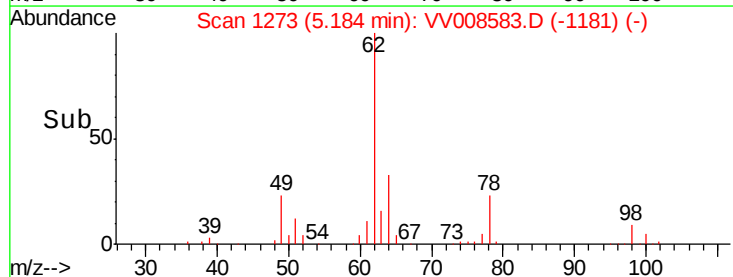
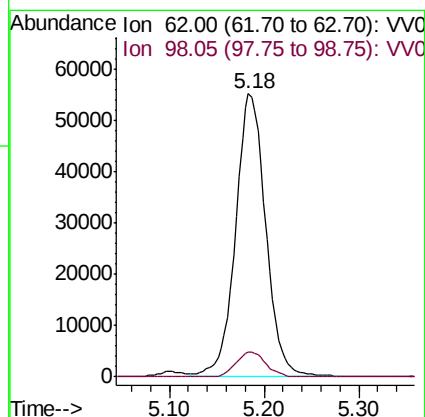
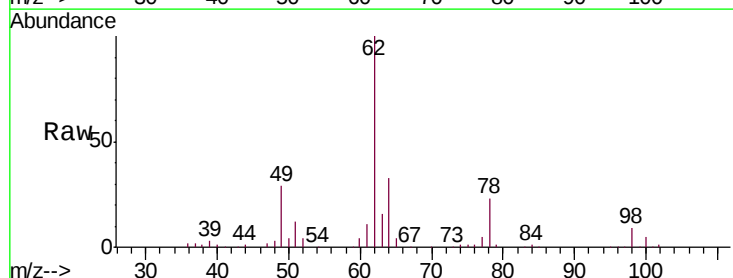
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

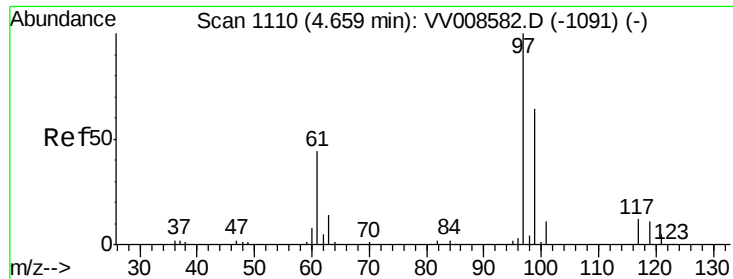
Tgt Ion: 83 Resp: 199609
Ion Ratio Lower Upper
83 100
85 63.8 44.4 82.5



#27
1,2-Dichloroethane
Concen: 9.337 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

Tgt Ion: 62 Resp: 121934
Ion Ratio Lower Upper
62 100
98 8.8 7.1 10.7

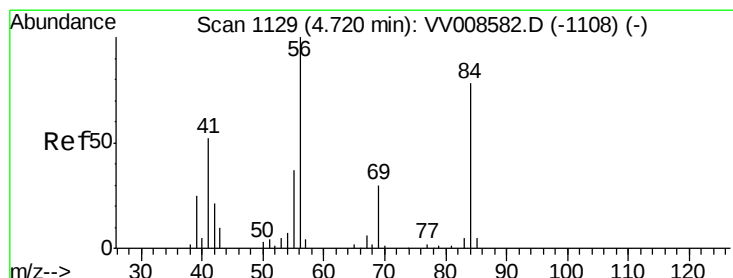
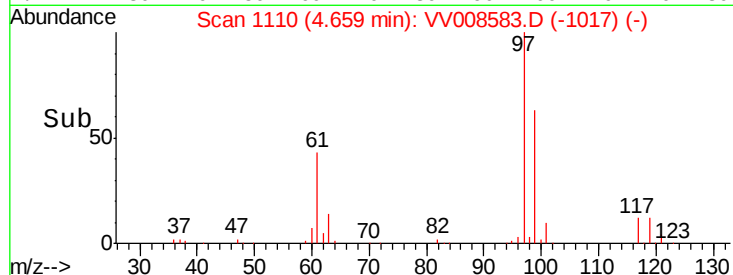
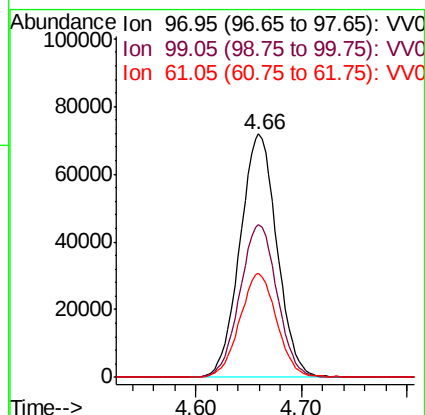
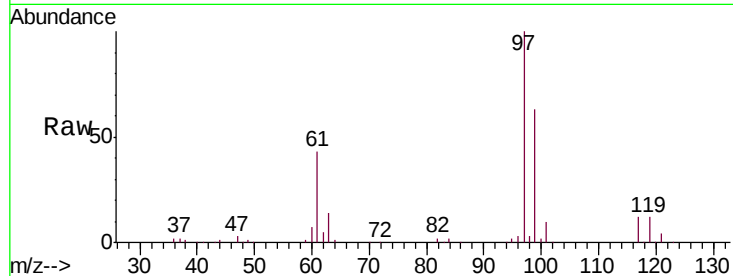




#29
 1,1,1-Trichloroethane
 Concen: 10.068 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

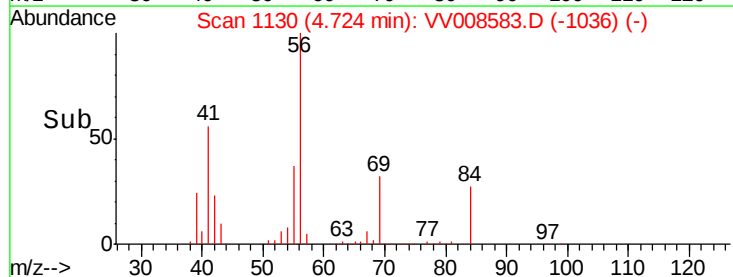
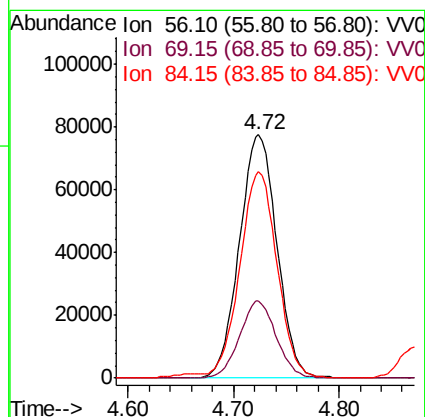
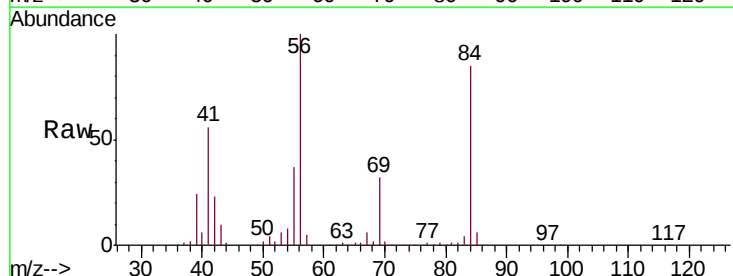
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

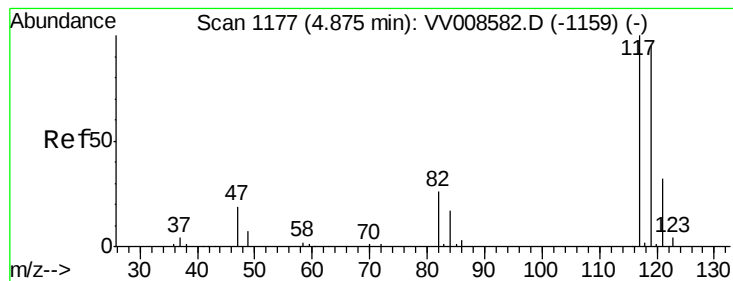
Tgt Ion: 97 Resp: 175203
 Ion Ratio Lower Upper
 97 100
 99 63.3 51.0 76.4
 61 42.9 34.3 51.5



#30
 Cyclohexane
 Concen: 9.909 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

Tgt Ion: 56 Resp: 191980
 Ion Ratio Lower Upper
 56 100
 69 30.8 24.2 36.4
 84 83.8 65.7 98.5





#31

Carbon tetrachloride

Concen: 10.095 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

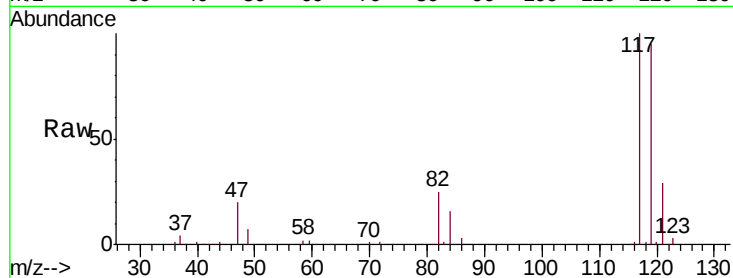
VSTD01064

Tgt Ion:117 Resp: 152465

Ion Ratio Lower Upper

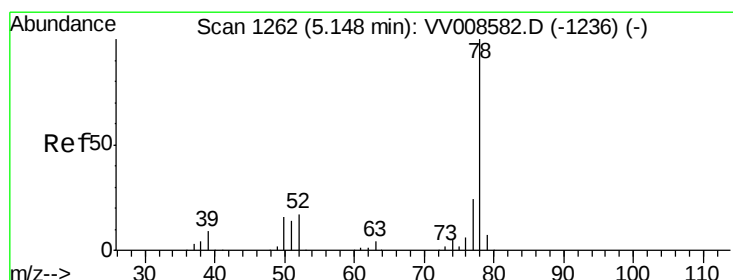
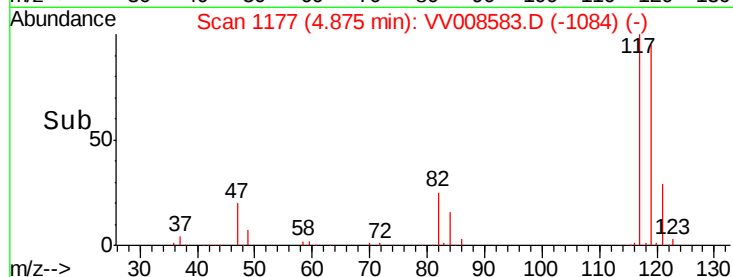
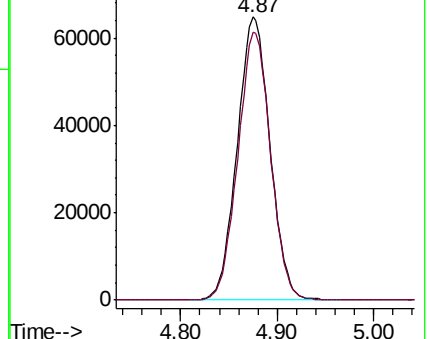
117 100

119 94.4 75.8 113.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 9.972 ug/L

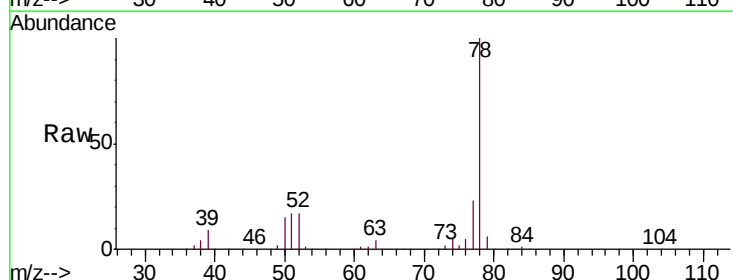
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

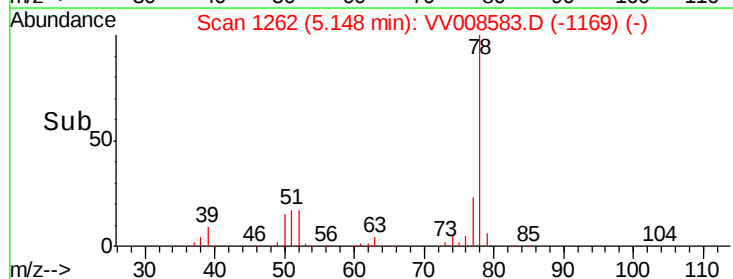
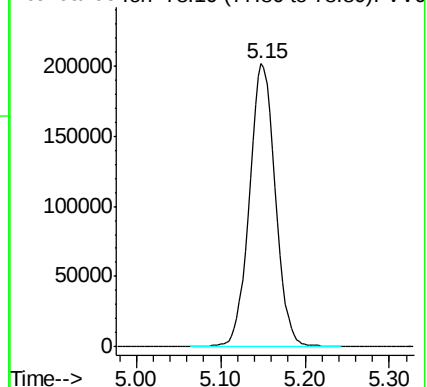
Lab File: VV008583.D

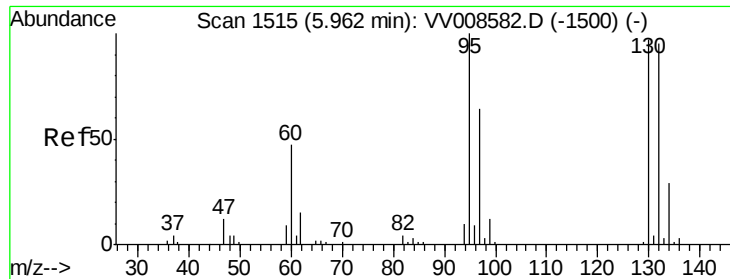
Acq: 16 Nov 2018 16:06

Tgt Ion: 78 Resp: 430843



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.049 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

Tgt Ion: 95 Resp: 116035

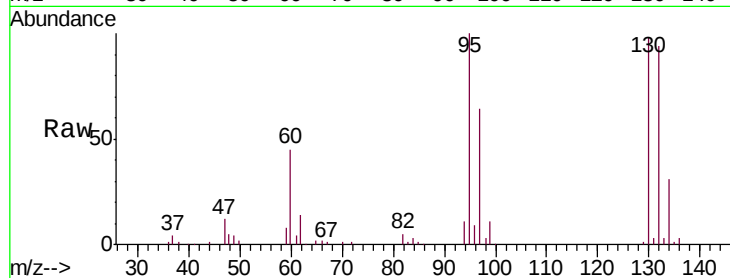
Ion Ratio Lower Upper

95 100

97 64.0 45.1 83.7

132 93.7 66.3 123.1

130 98.4 68.0 126.4

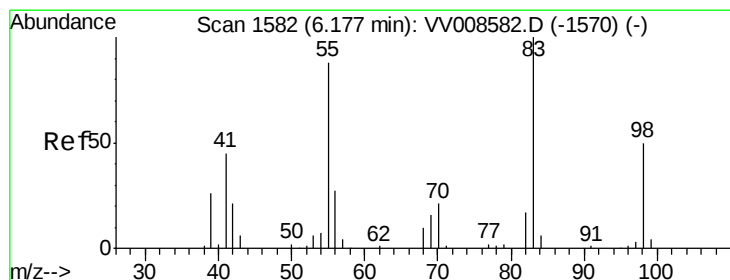
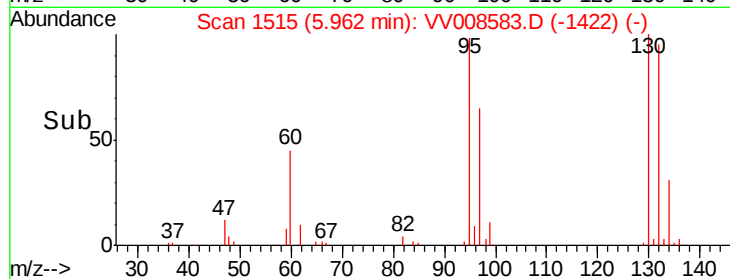
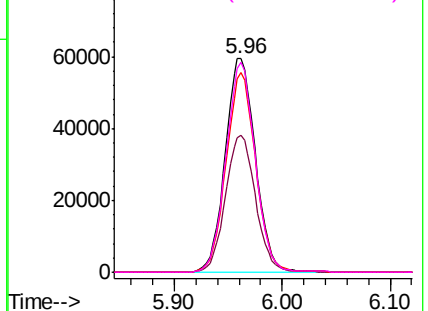


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 10.334 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

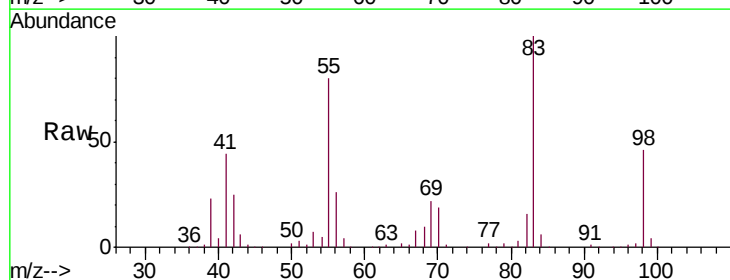
Tgt Ion: 83 Resp: 196978

Ion Ratio Lower Upper

83 100

55 80.0 65.6 98.4

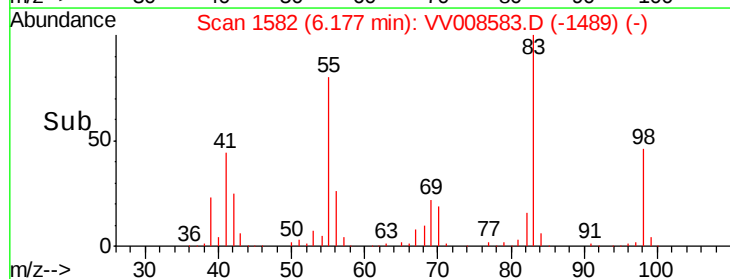
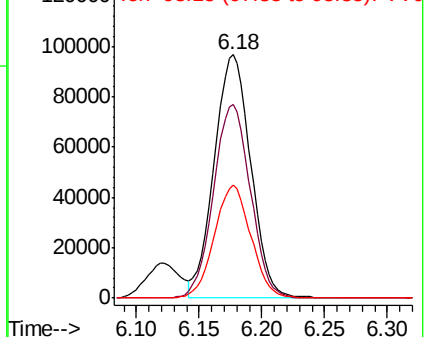
98 46.3 36.4 54.6

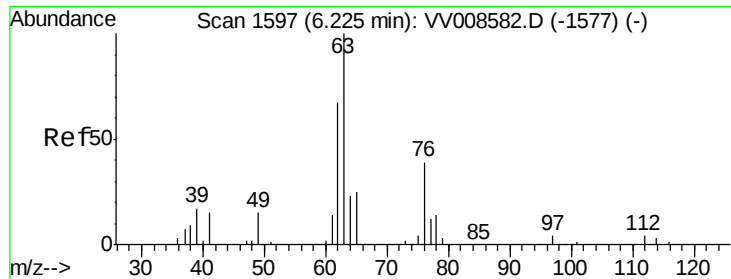


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

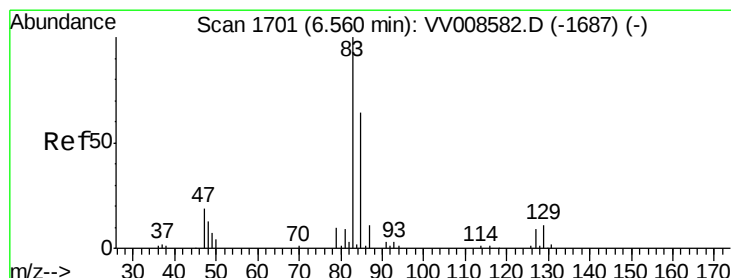
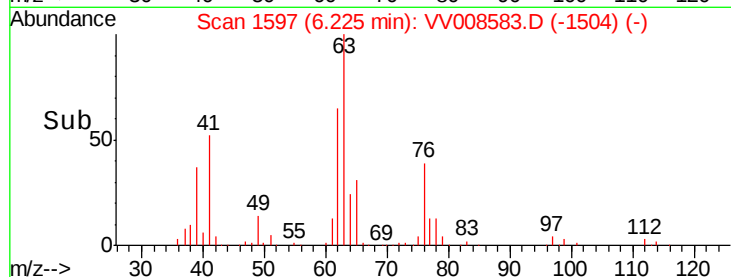
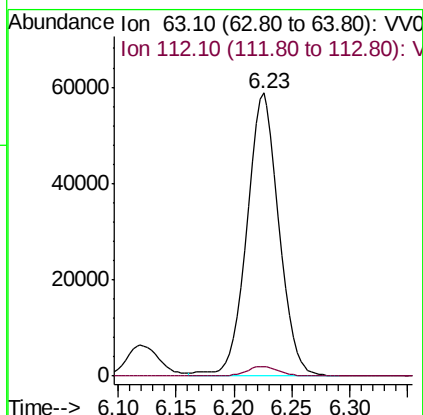
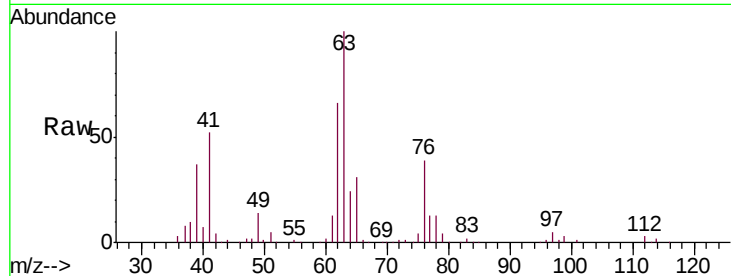




#37
 1,2-Dichloropropane
 Concen: 9.692 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

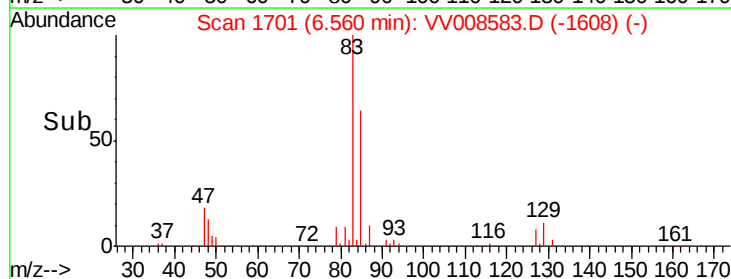
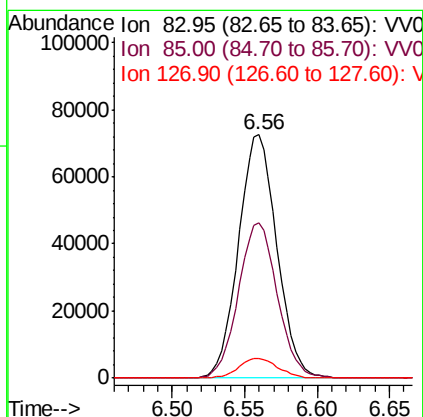
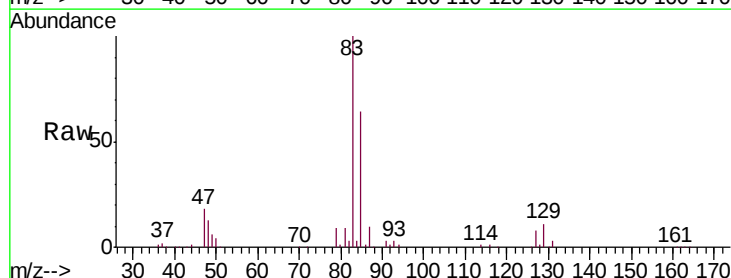
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

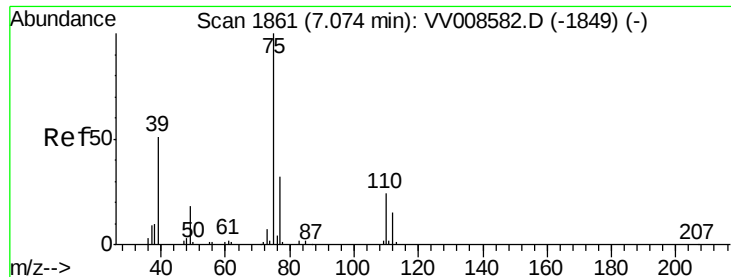
Tgt Ion: 63 Resp: 112540
 Ion Ratio Lower Upper
 63 100
 112 3.5 2.8 4.2



#38
 Bromodichloromethane
 Concen: 9.834 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

Tgt Ion: 83 Resp: 133710
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.9 83.5
 127 8.1 6.9 10.3



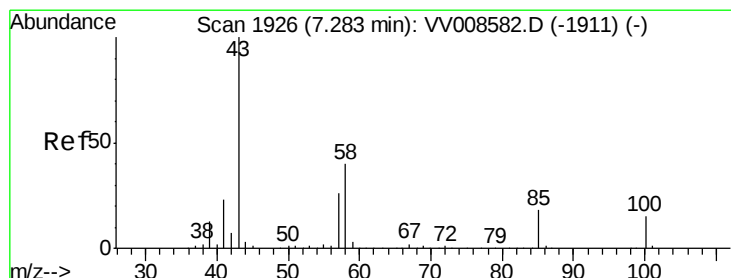
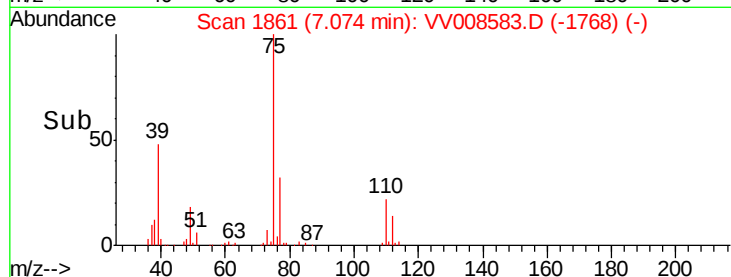
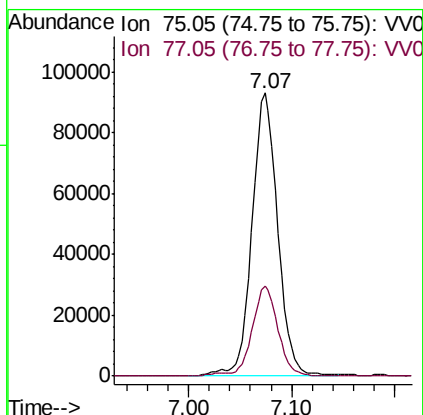
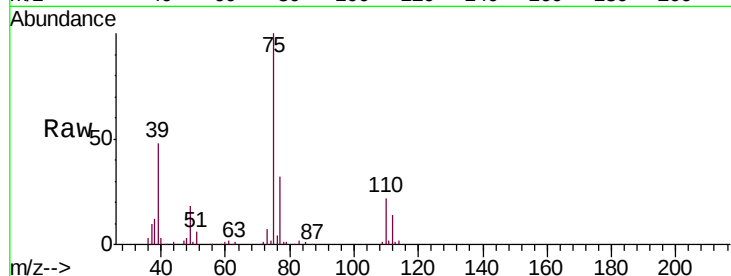


#39

cis-1,3-Dichloropropene
Concen: 10.251 ug/L
RT: 7.07 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

Instrument :
MSVOA_V
ClientSampled :
VSTD01064

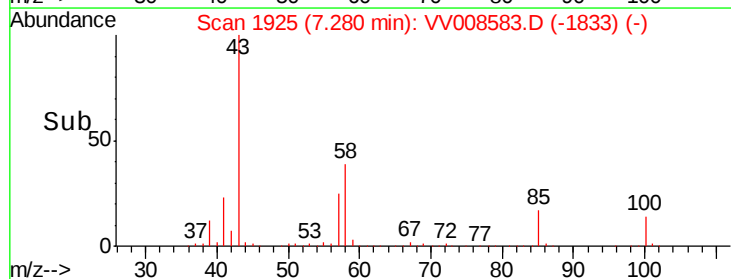
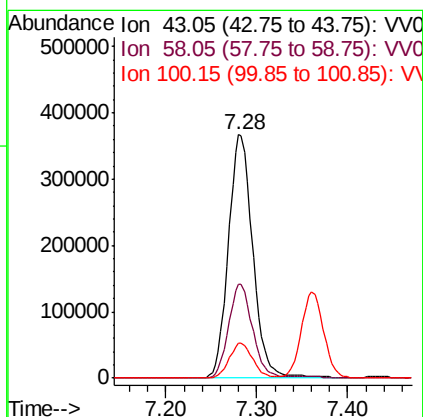
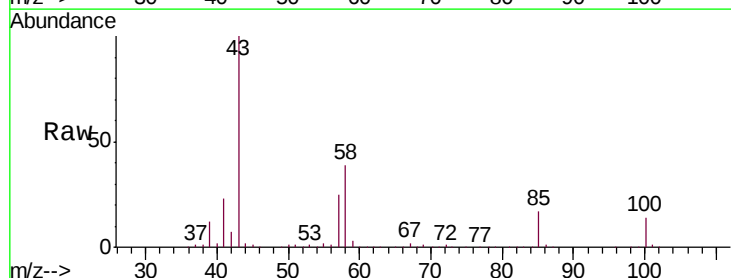
Tgt Ion: 75 Resp: 160667
Ion Ratio Lower Upper
75 100
77 31.8 23.0 42.8

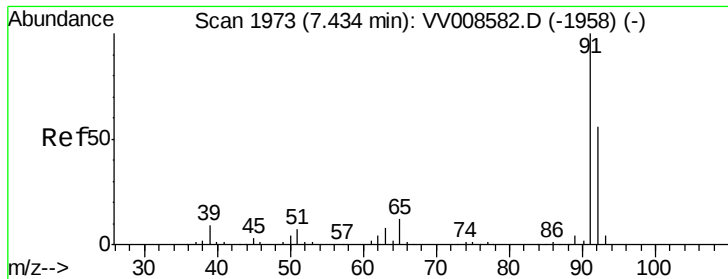


#40

4-Methyl-2-pentanone
Concen: 99.367 ug/L
RT: 7.28 min Scan# 1925
Delta R.T. -0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

Tgt Ion: 43 Resp: 683673
Ion Ratio Lower Upper
43 100
58 37.9 31.0 46.4
100 13.9 11.1 16.7





#42

Toluene

Concen: 10.046 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

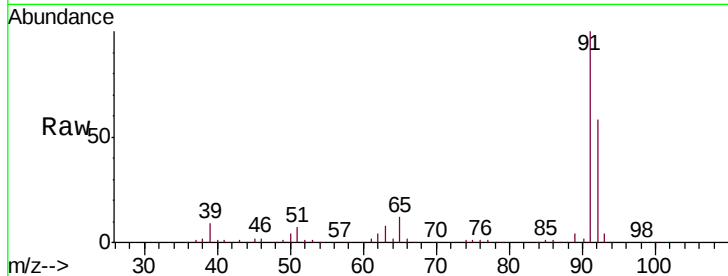
VSTD01064

Tgt Ion: 91 Resp: 451523

Ion Ratio Lower Upper

91 100

92 58.3 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV008583.D (-1880) (-)

Ion 92.15 (91.85 to 92.85): VV008583.D (-1880) (-)

7.43

250000

200000

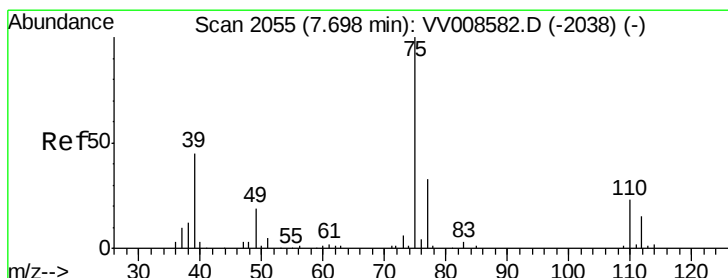
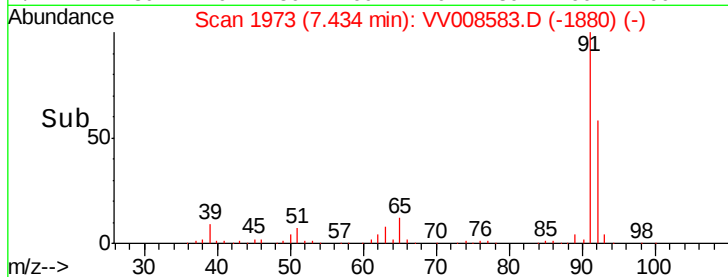
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.441 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV008583.D

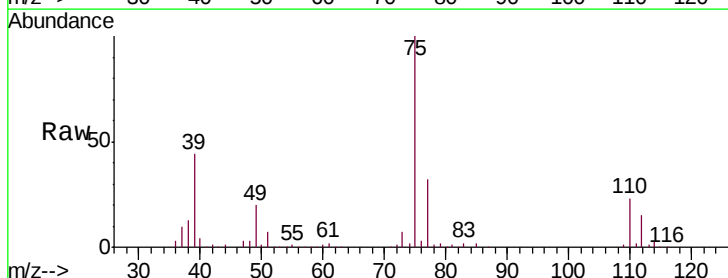
Acq: 16 Nov 2018 16:06

Tgt Ion: 75 Resp: 131474

Ion Ratio Lower Upper

75 100

77 31.7 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV008583.D (-1962) (-)

Ion 77.05 (76.75 to 77.75): VV008583.D (-1962) (-)

7.69

80000

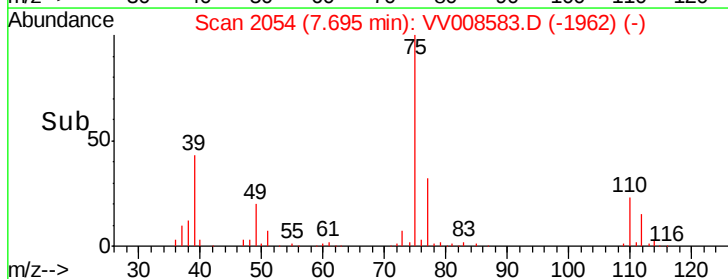
60000

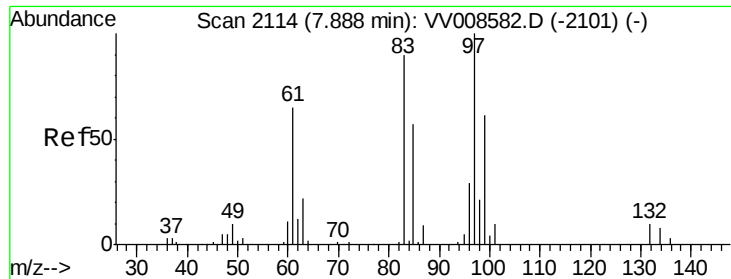
40000

20000

0

Time-->

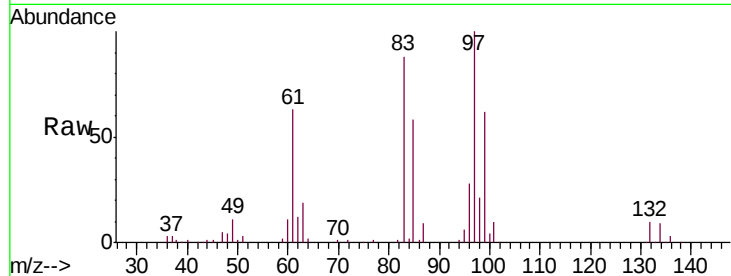




#45
 1,1,2-Trichloroethane
 Concen: 10.074 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion:	97	Resp:	73274
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.0	79.8
83	87.8	63.0	117.0
85	58.0	40.1	74.5



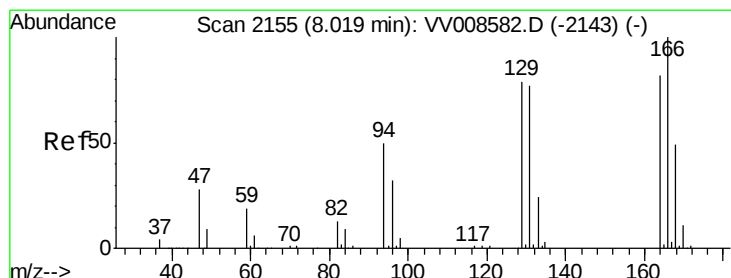
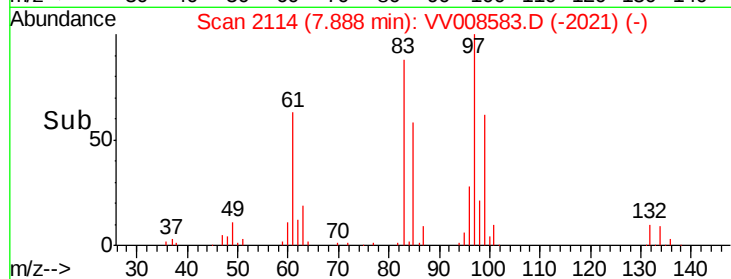
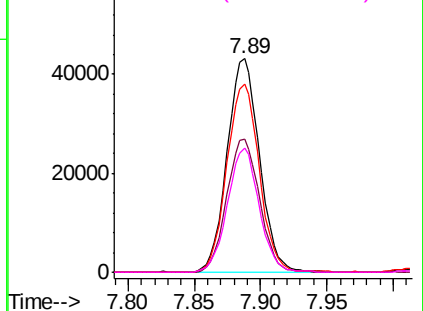
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

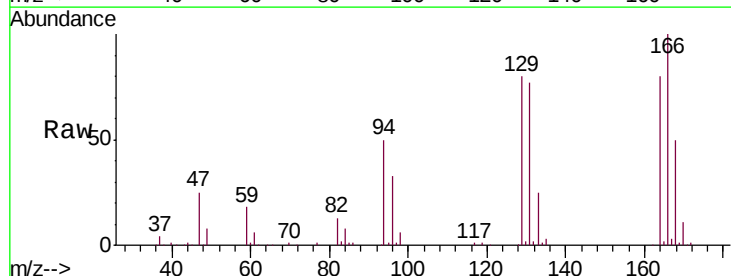
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 9.969 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

Tgt Ion:	164	Resp:	83364
Ion	Ratio	Lower	Upper
164	100		
129	100.2	67.5	125.4
131	97.0	66.4	123.4
166	125.6	85.8	159.3



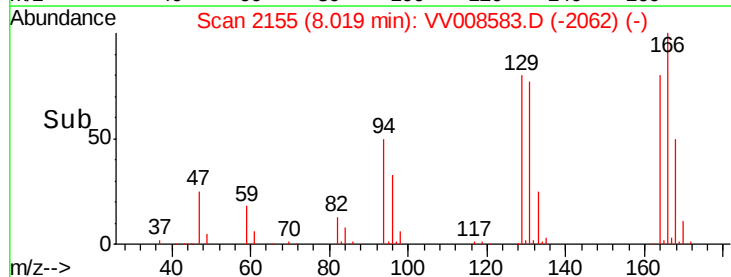
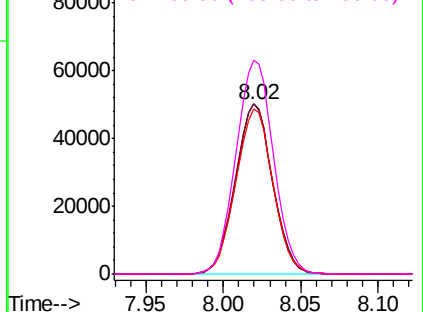
Abundance

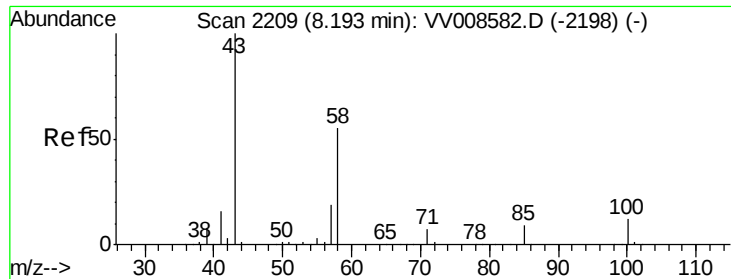
Ion 163.90 (163.60 to 164.60): V

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

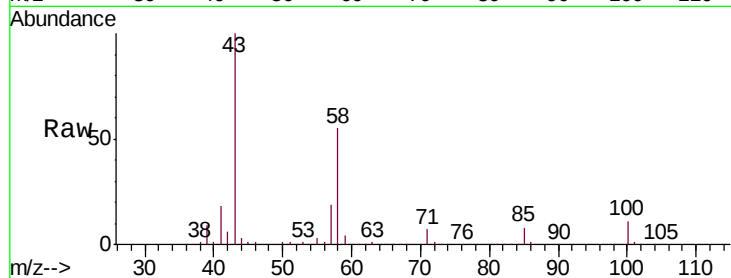




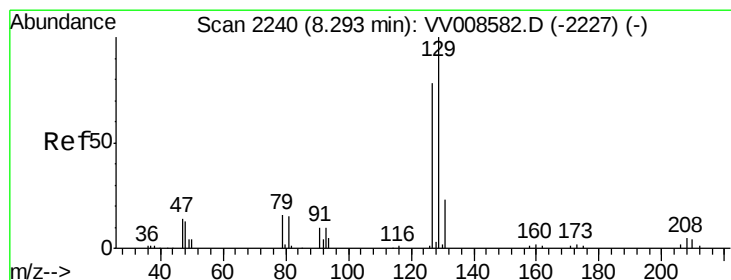
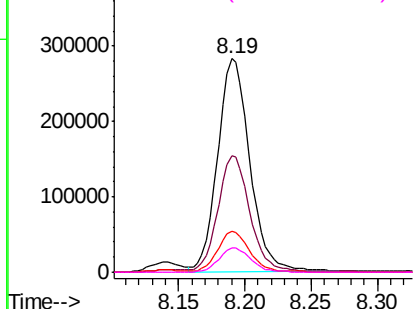
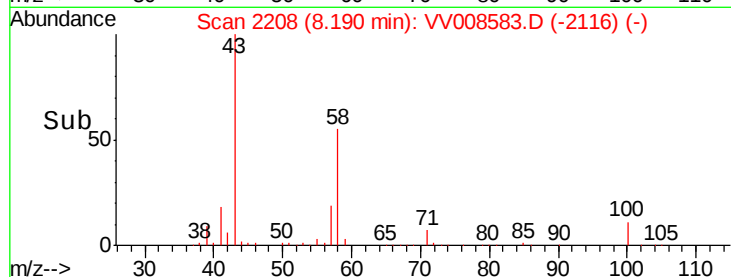
#48
2-Hexanone
Concen: 100.674 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tgt Ion: 43 Resp: 472717
Ion Ratio Lower Upper
43 100
58 55.3 41.8 62.8
57 19.5 15.4 23.0
100 11.7 8.7 13.1

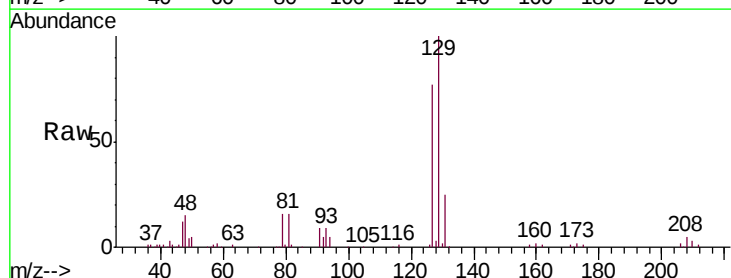


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

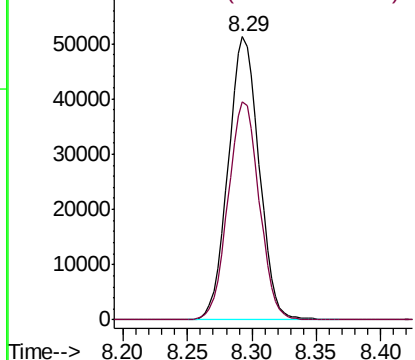
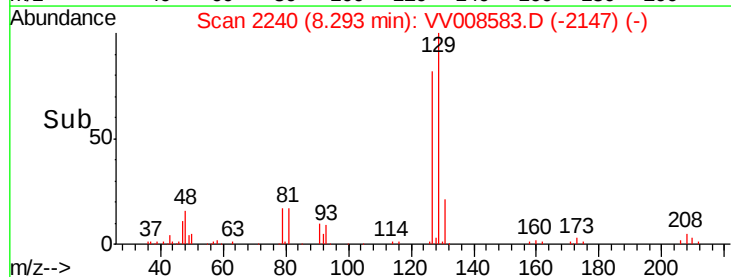


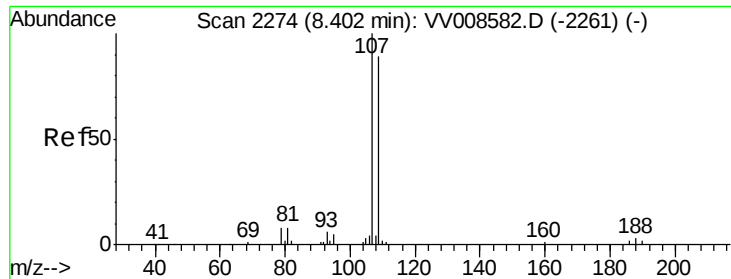
#49
Dibromochloromethane
Concen: 10.171 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

Tgt Ion: 129 Resp: 85341
Ion Ratio Lower Upper
129 100
127 77.1 54.6 101.4



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

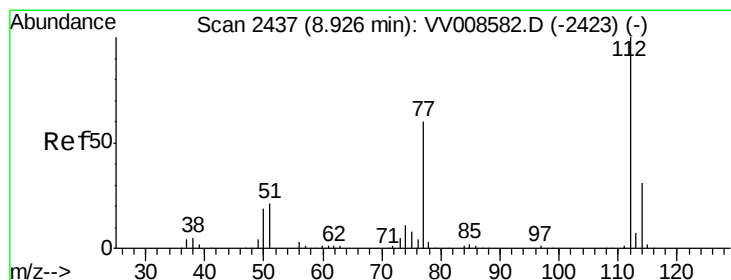
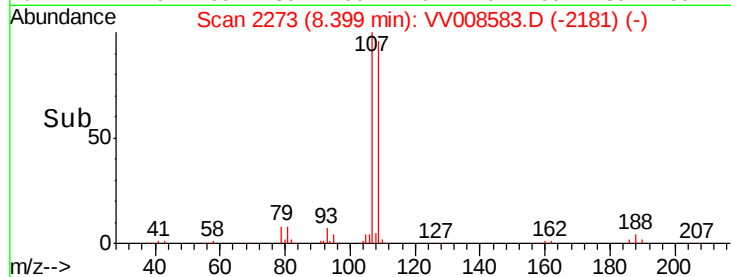
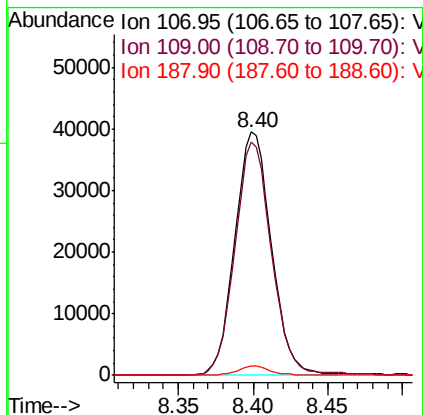
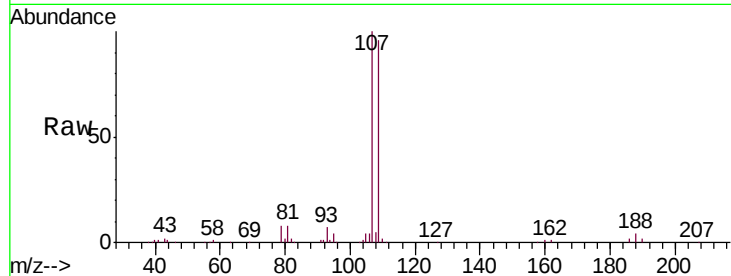




#50
1,2-Dibromoethane
Concen: 9.909 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

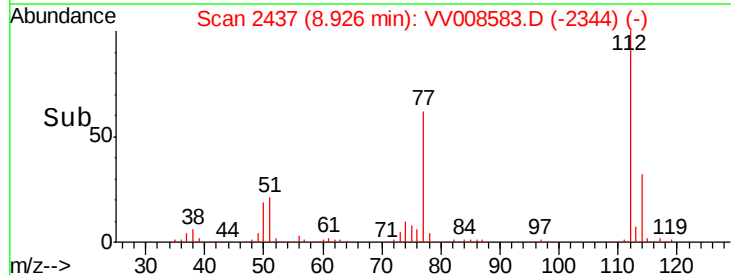
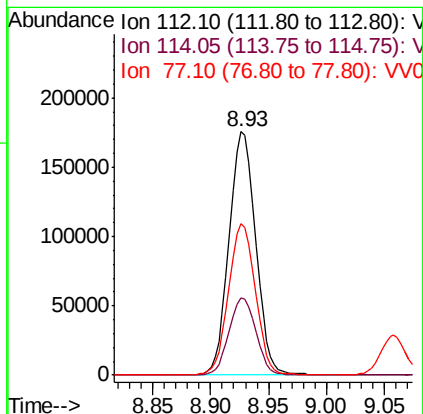
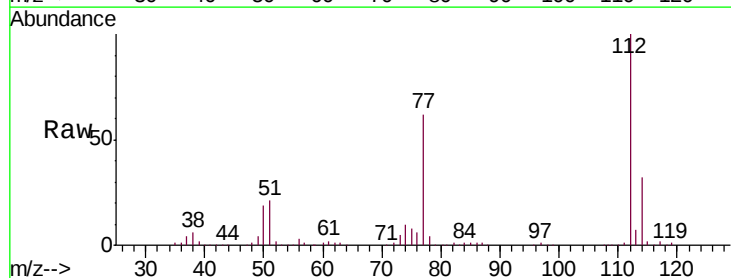
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

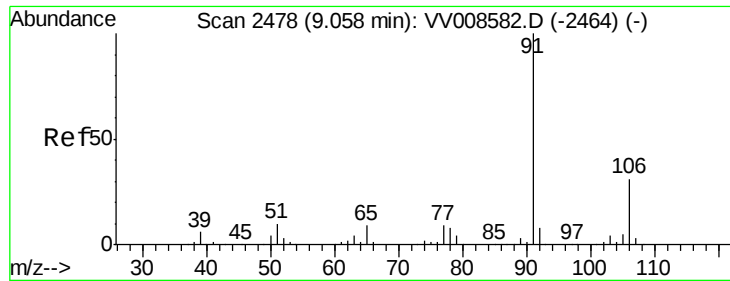
Tgt Ion:107 Resp: 67414
Ion Ratio Lower Upper
107 100
109 96.0 62.1 115.3
188 3.9 2.2 3.4#



#51
Chlorobenzene
Concen: 10.121 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

Tgt Ion:112 Resp: 278899
Ion Ratio Lower Upper
112 100
114 31.9 21.9 40.7
77 62.2 47.9 71.9





#52

Ethylbenzene

Concen: 10.127 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

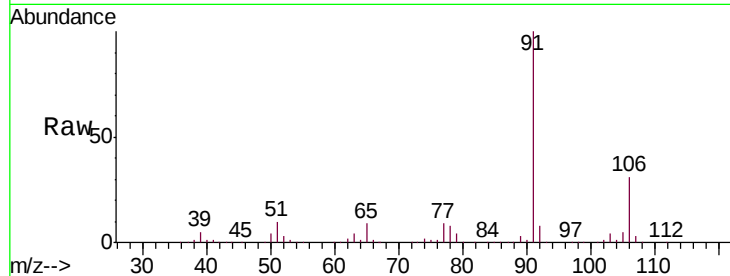
VSTD01064

Tgt Ion: 91 Resp: 504111

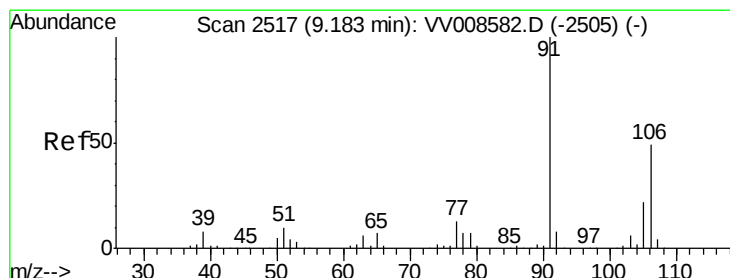
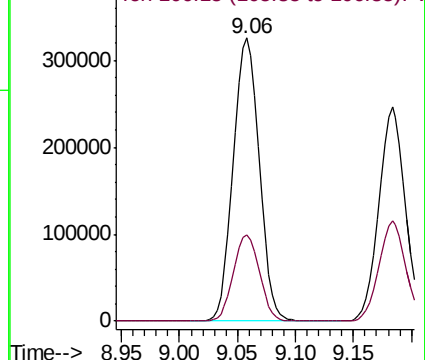
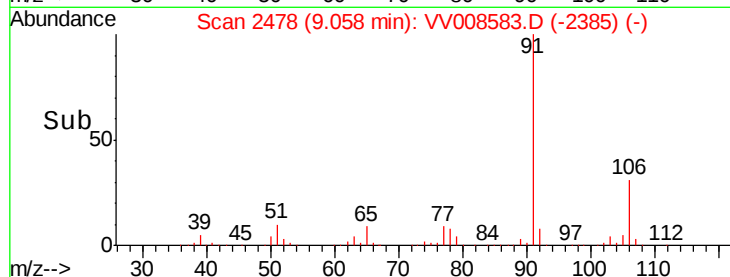
Ion Ratio Lower Upper

91 100

106 30.5 21.3 39.6



Abundance Ion 91.15 (90.85 to 91.85): VV008583.D (-2385) (-)



#53

m,p-xylene

Concen: 10.278 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008583.D

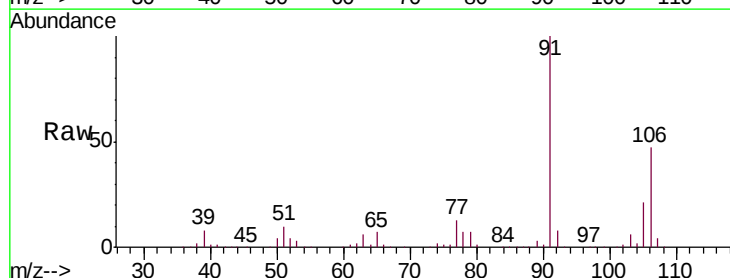
Acq: 16 Nov 2018 16:06

Tgt Ion: 106 Resp: 186940

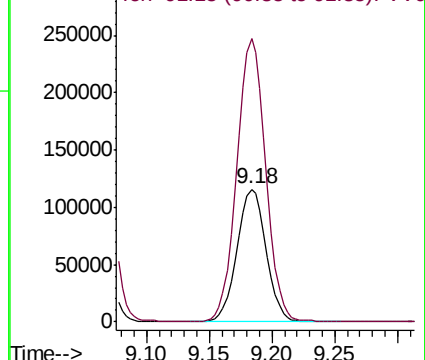
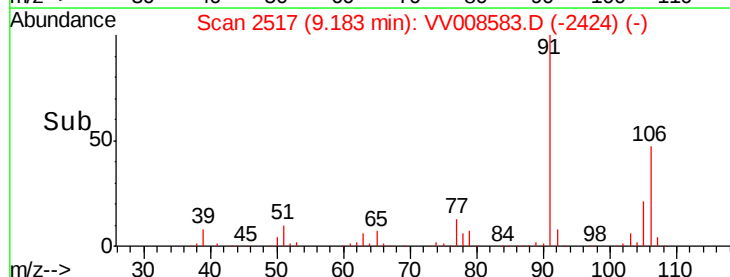
Ion Ratio Lower Upper

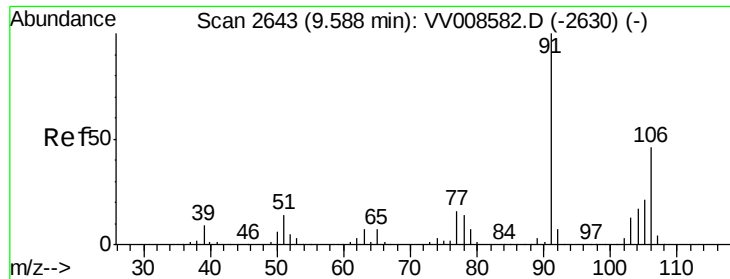
106 100

91 212.9 144.0 267.4



Abundance Ion 106.15 (105.85 to 106.85): VV008583.D (-2424) (-)

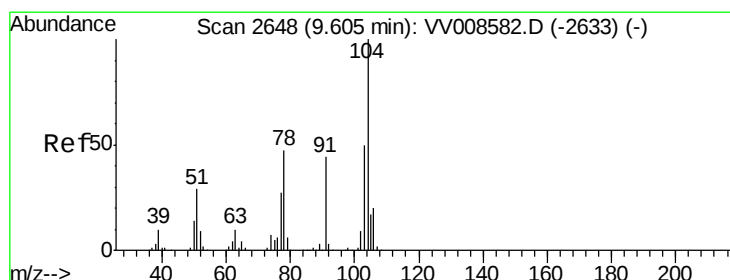
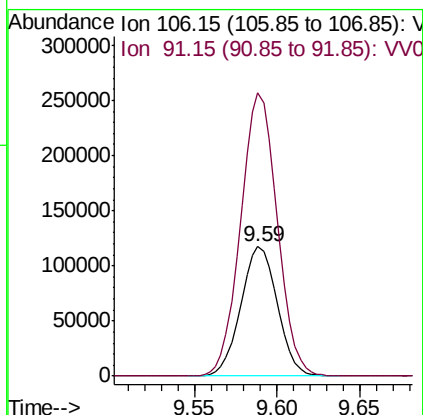
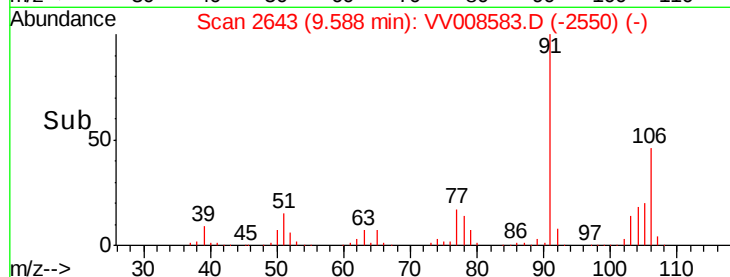
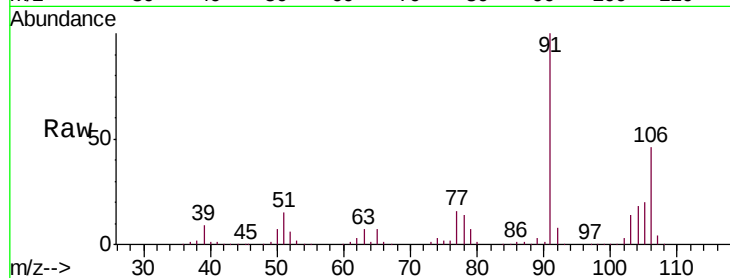




#54
o-xylene
Concen: 10.315 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

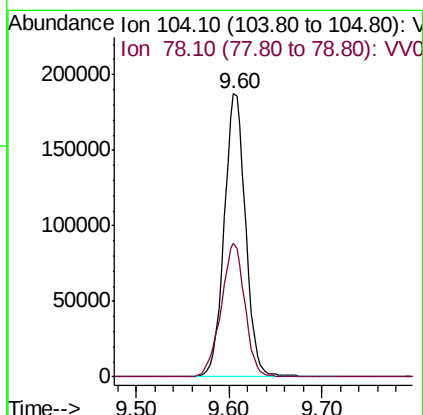
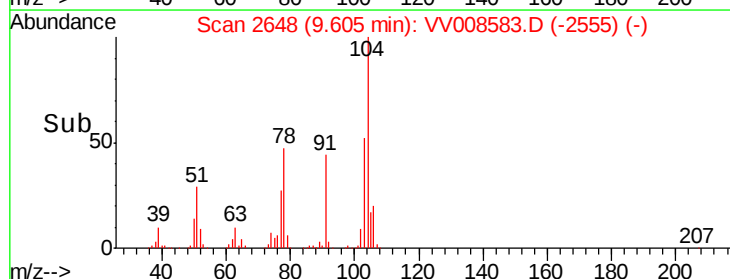
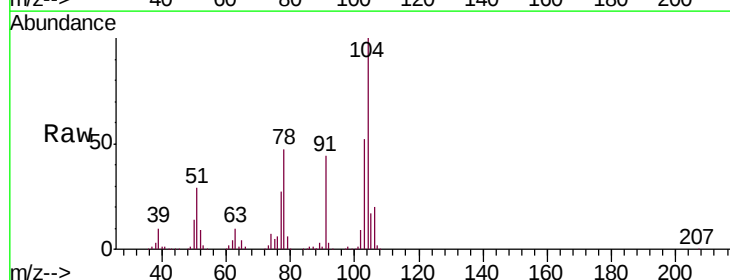
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

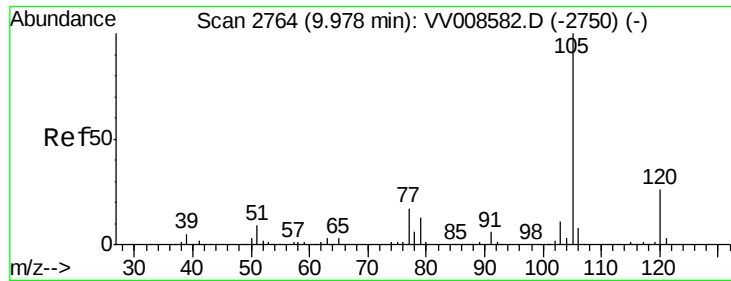
Tgt Ion:106 Resp: 180335
Ion Ratio Lower Upper
106 100
91 218.3 152.9 284.1



#55
Styrene
Concen: 10.291 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008583.D
Acq: 16 Nov 2018 16:06

Tgt Ion:104 Resp: 299821
Ion Ratio Lower Upper
104 100
78 47.3 32.9 61.1





#56

Isopropylbenzene

Concen: 10.348 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

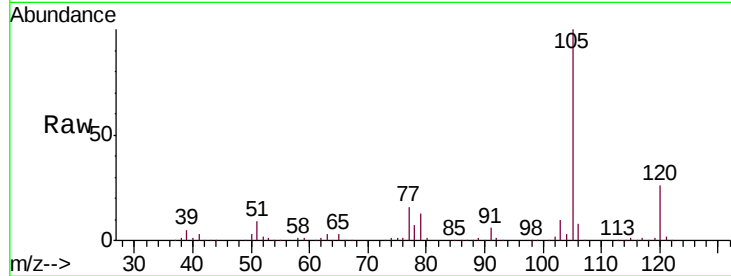
Tgt Ion: 105 Resp: 490852

Ion Ratio Lower Upper

105 100

120 26.1 21.0 31.6

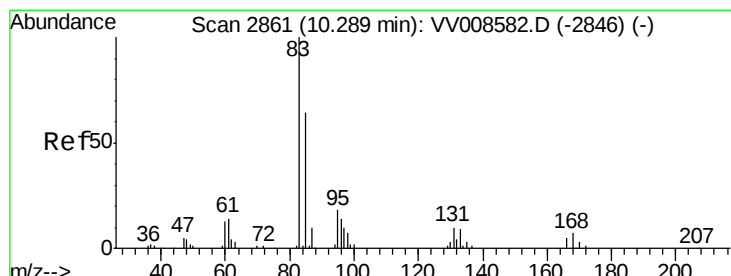
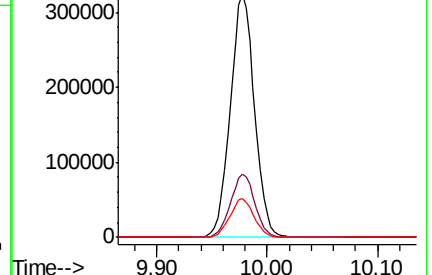
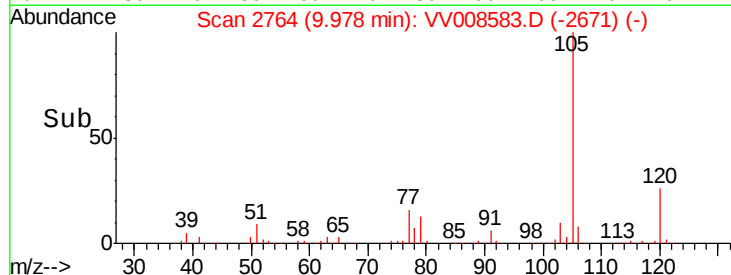
77 15.9 13.0 19.4



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: 10.104 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

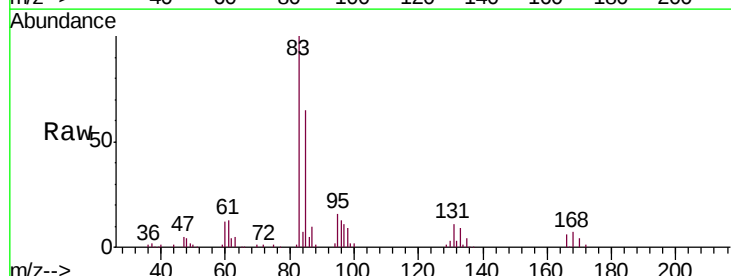
Tgt Ion: 83 Resp: 87477

Ion Ratio Lower Upper

83 100

85 64.6 44.8 83.2

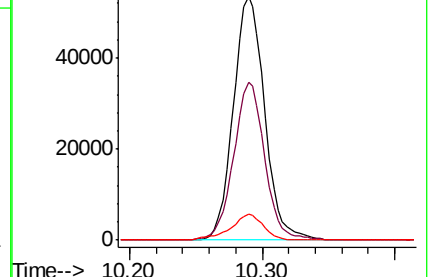
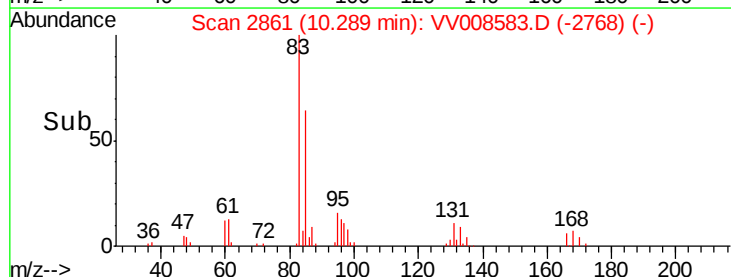
131 10.5 8.1 12.1

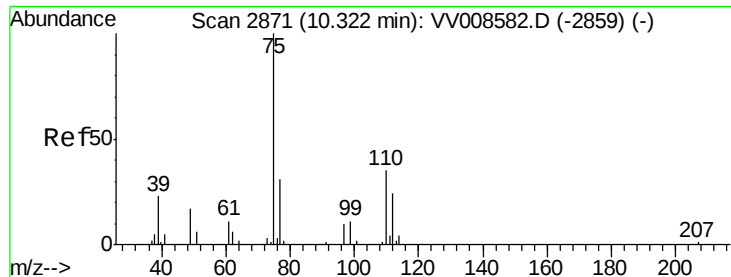


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 10.198 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

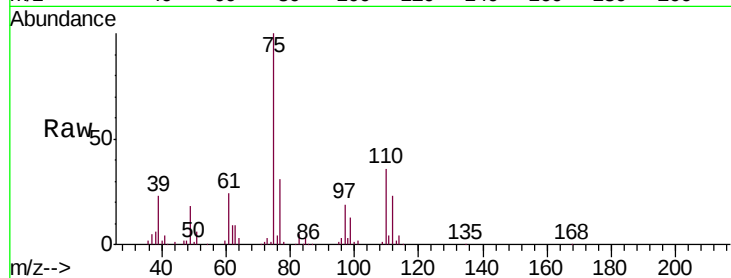
VSTD01064

Tgt Ion: 75 Resp: 67205

Ion Ratio Lower Upper

75 100

77 31.6 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VV008582.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008582.D (-2859) (-)

10.32

40000

30000

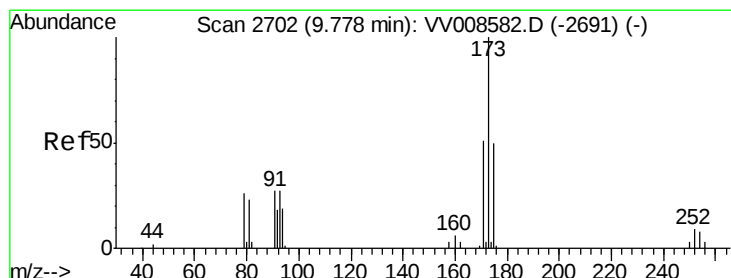
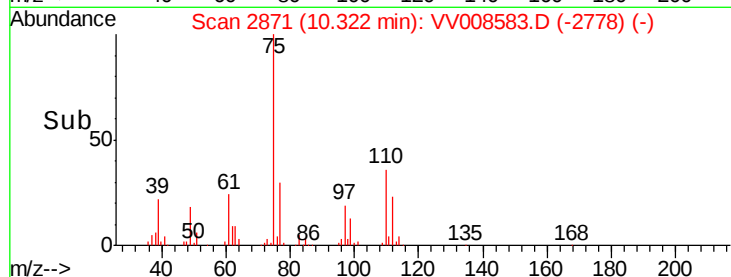
20000

10000

0

10.25 10.30 10.35 10.40

Time-->



#61

Bromoform

Concen: 9.945 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

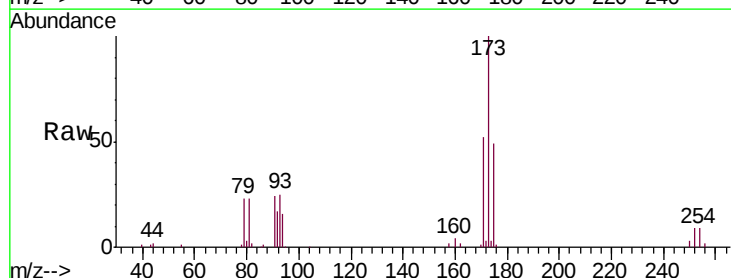
Tgt Ion: 173 Resp: 42243

Ion Ratio Lower Upper

173 100

175 47.9 39.6 59.4

254 8.5 6.2 9.4



Abundance Ion 172.90 (172.60 to 173.60): VV008582.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VV008582.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV008582.D (-2691) (-)

9.78

30000

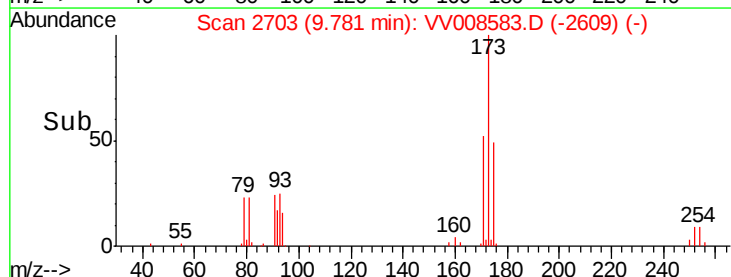
20000

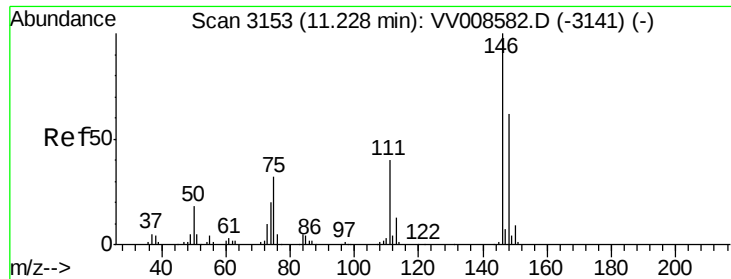
10000

0

9.70 9.75 9.80 9.85

Time-->





#62

1,3-Dichlorobenzene

Concen: 9.720 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

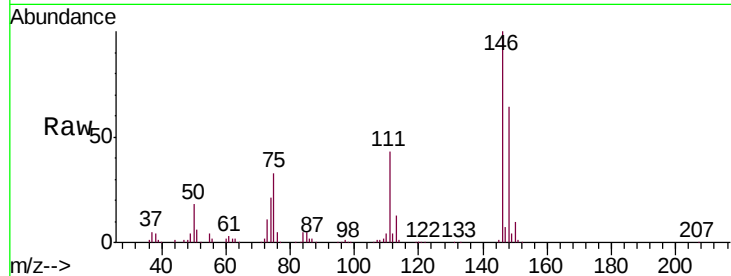
Tgt Ion:146 Resp: 208428

Ion Ratio Lower Upper

146 100

111 42.6 28.1 52.1

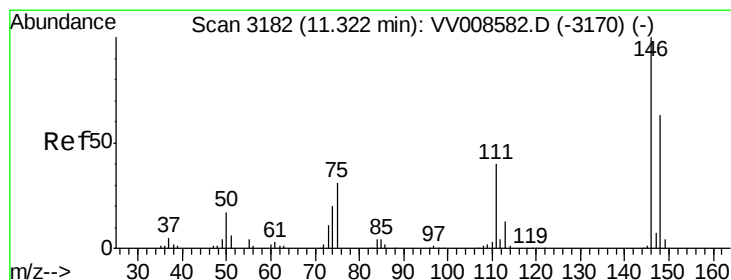
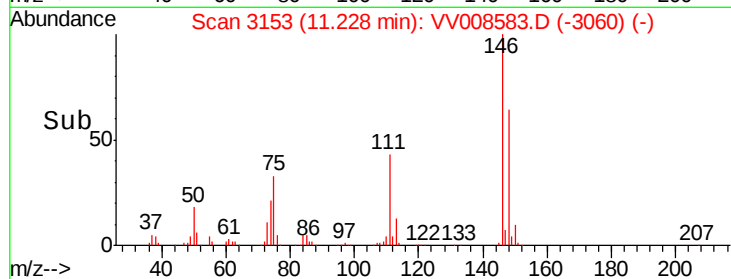
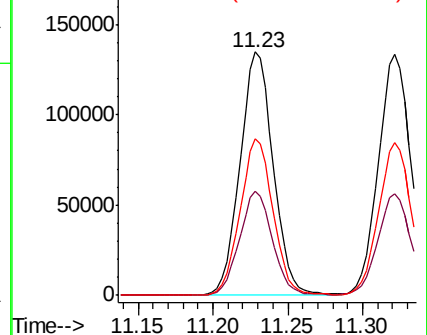
148 64.2 43.0 80.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.888 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

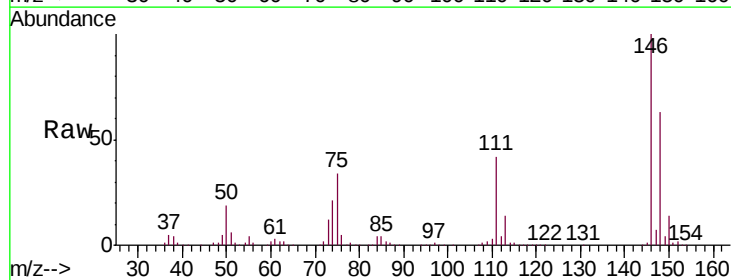
Tgt Ion:146 Resp: 207165

Ion Ratio Lower Upper

146 100

111 42.1 28.2 52.4

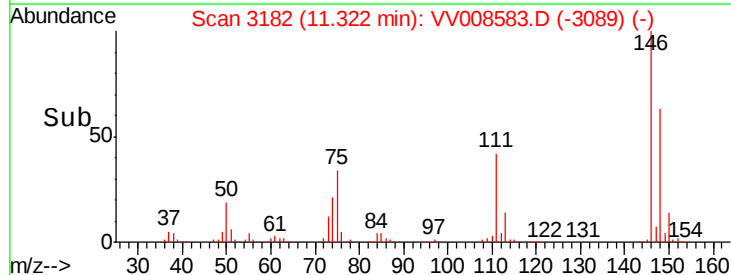
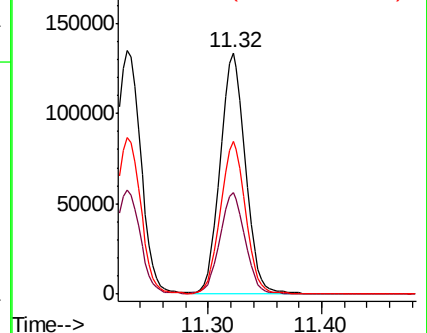
148 63.2 44.1 81.9

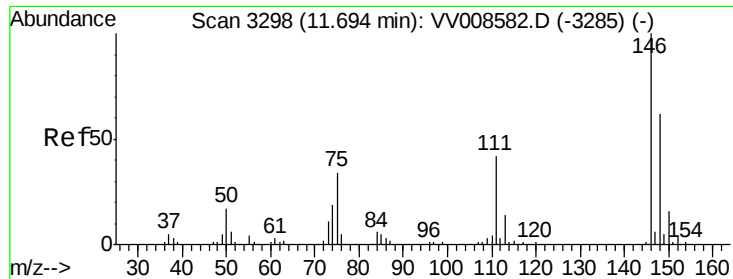


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 9.807 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

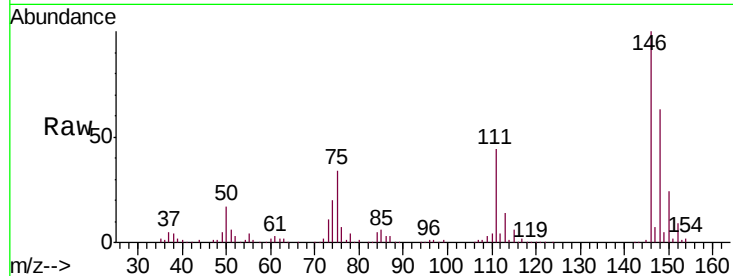
Tgt Ion:146 Resp: 196871

Ion Ratio Lower Upper

146 100

111 44.3 33.5 50.3

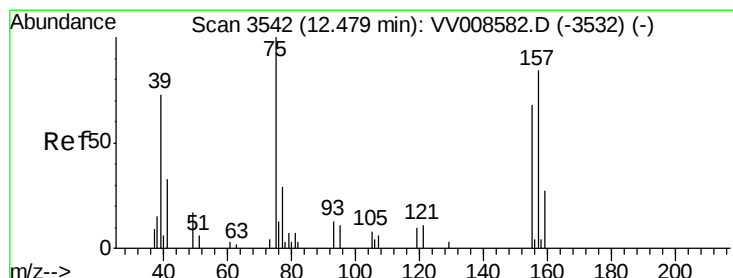
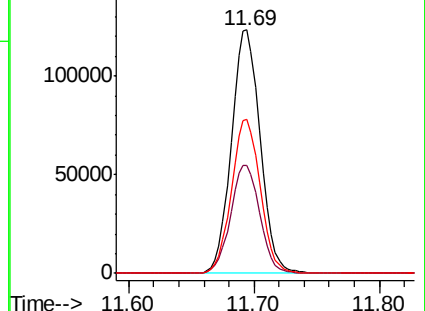
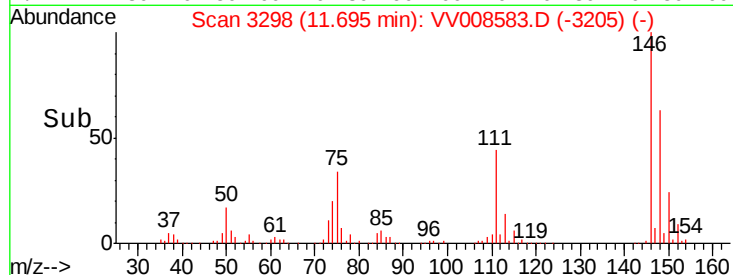
148 63.2 50.0 75.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 9.227 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

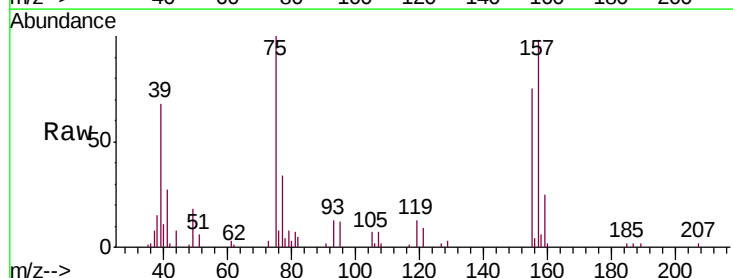
Tgt Ion: 75 Resp: 13719

Ion Ratio Lower Upper

75 100

155 75.0 54.2 81.2

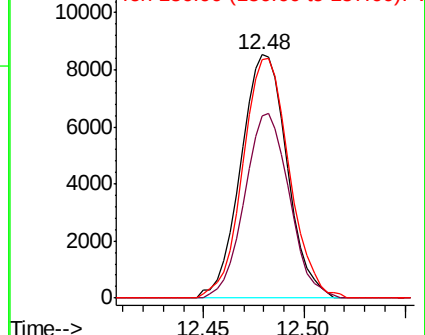
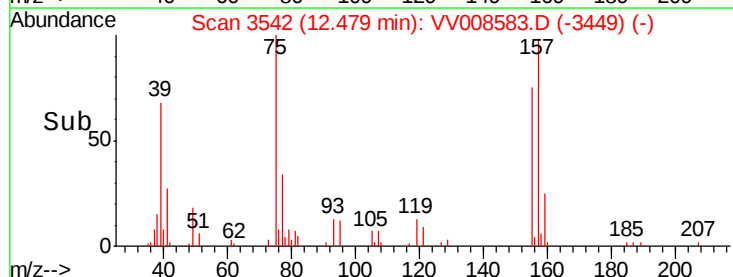
157 97.8 67.4 101.2

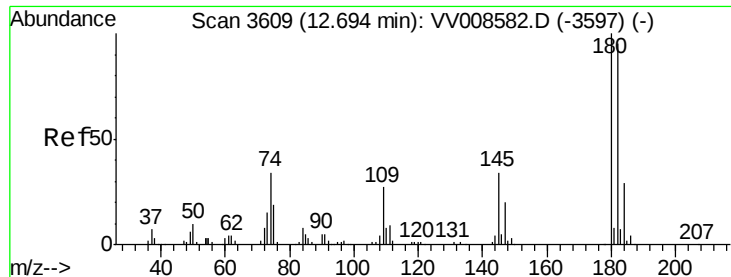


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

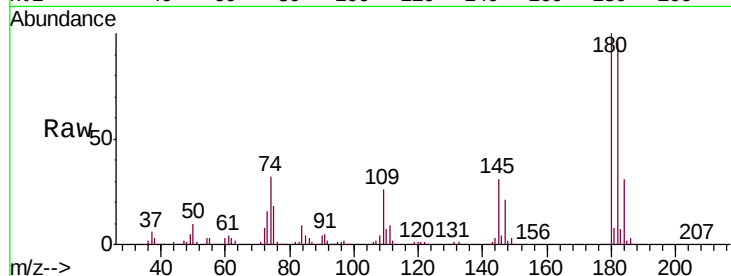




#67
 1,3,5-Trichlorobenzene
 Concen: 10.323 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	75.9	113.9
184	31.1	23.9	35.9
145	32.4	26.8	40.2



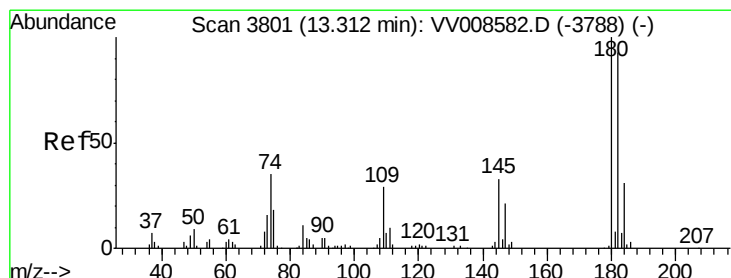
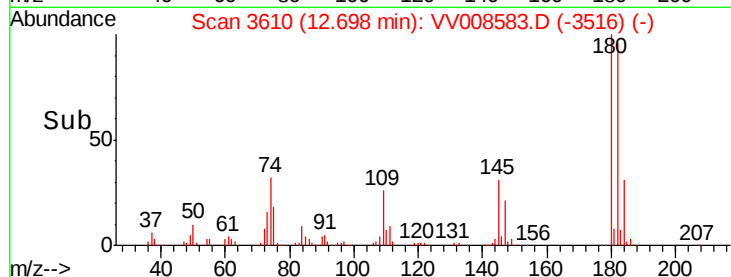
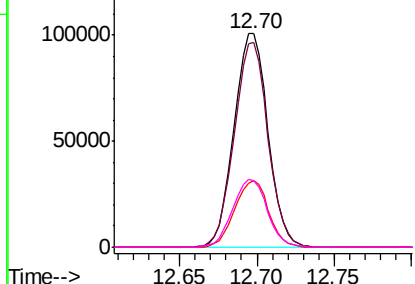
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

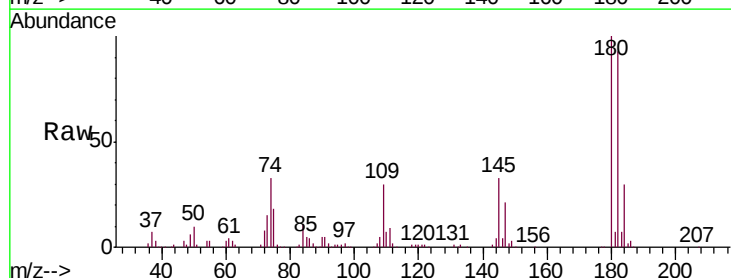
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.134 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV008583.D
 Acq: 16 Nov 2018 16:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.4	114.6
145	33.5	27.1	40.7

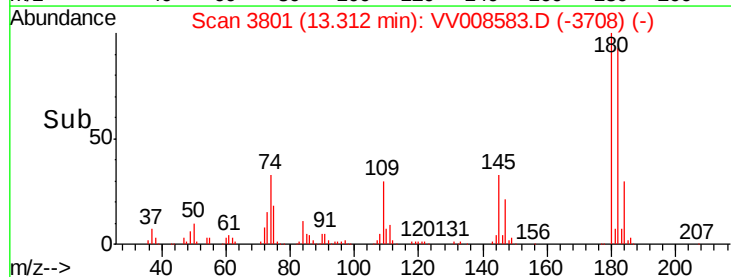
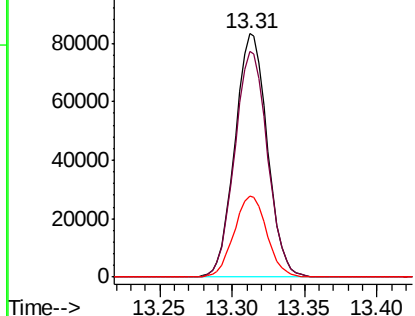


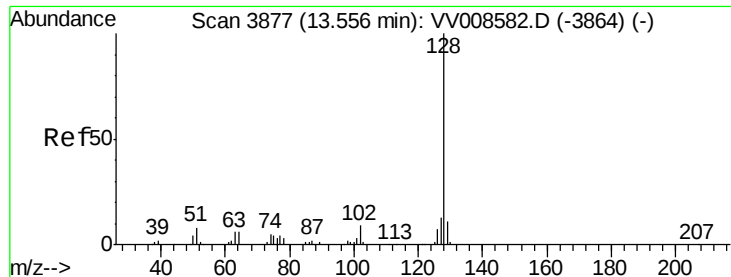
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 10.383 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

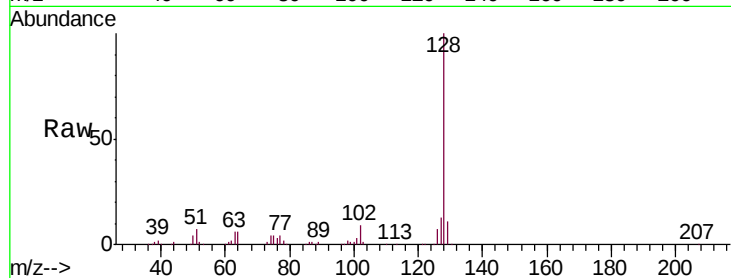
Tgt Ion:128 Resp: 215858

Ion Ratio Lower Upper

128 100

129 10.6 8.8 13.2

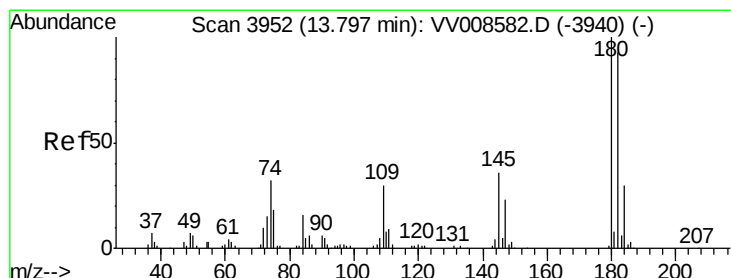
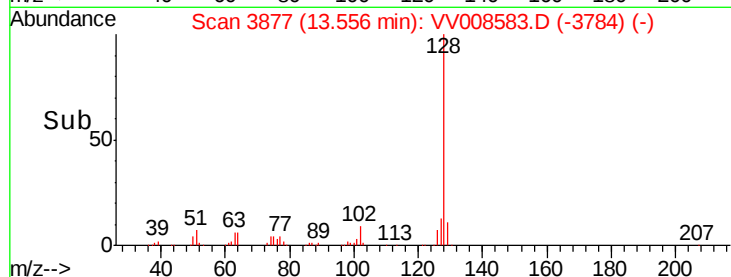
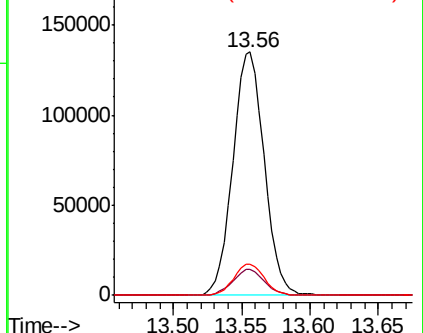
127 12.6 10.0 15.0



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: 10.570 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008583.D

Acq: 16 Nov 2018 16:06

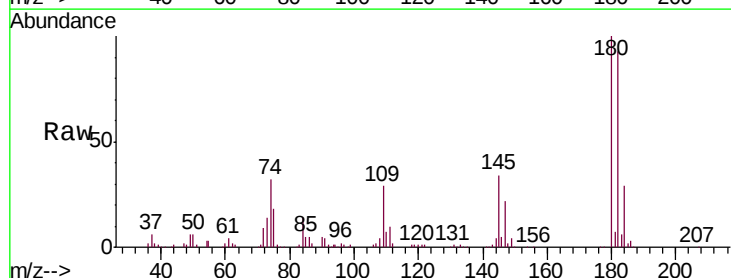
Tgt Ion:180 Resp: 118426

Ion Ratio Lower Upper

180 100

182 92.9 76.0 114.0

145 33.7 28.2 42.2



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

