

Data File : VV009326.D
Acq On : 21 Feb 2019 16:02
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

Quant Time: Feb 22 04:57:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 22 04:53:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	128929	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	125198	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	62891	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46667	27.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.84%
7) Chloroethane-d5	1.58	69	60881	30.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	120.00%
10) 1,1-Dichloroethene-d2	2.13	63	120088	28.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	113.92%#
20) 2-Butanone-d5	3.95	46	25884	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	4.40	84	72140	24.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.36%
26) 1,2-Dichloroethane-d4	5.08	65	38298	23.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	94.36%
29) Benzene-d6	5.10	84	153956	24.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.08%
33) 1,2-Dichloropropane-d6	6.12	67	45608	24.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.72%
37) Toluene-d8	7.36	98	148553	24.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.44%
38) trans-1,3-Dichloropropene-	7.66	79	22128	23.32	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.28%
39) 2-Hexanone-d5	8.14	63	21105	41.06	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.12%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	48294	23.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.60%
61) 1,2-Dichlorobenzene-d4	11.67	152	55207	23.90	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	41015	27.255 ug/L	97
3) Chloromethane	1.25	50	57407	31.225 ug/L	99
5) Vinyl chloride	1.32	62	67343	32.300 ug/L	95
6) Bromomethane	1.53	94	52873	27.251 ug/L	99
8) Chloroethane	1.60	64	64407	36.598 ug/L	97
9) Trichlorofluoromethane	1.76	101	123219	31.393 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	68638	30.578 ug/L	99
12) 1,1-Dichloroethene	2.14	96	58660	31.010 ug/L	94
13) Acetone	2.21	43	30807	52.498 ug/L	95
14) Carbon disulfide	2.31	76	143195	28.289 ug/L	97
15) Methyl Acetate	2.46	43	21508	25.136 ug/L	98
16) Methylene chloride	2.53	84	43447	22.277 ug/L	96
17) Methyl tert-butyl Ether	2.80	73	104053	24.833 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	45946	26.962 ug/L	98
19) 1,1-Dichloroethane	3.23	63	75993	26.848 ug/L	97
21) 2-Butanone	4.03	43	37048	55.109 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	50178	26.955 ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	22581	26.505	ug/L	97
25) Chloroform	4.42	83	78213	25.968	ug/L	97
27) 1,2-Dichloroethane	5.18	62	51184	25.096	ug/L	98
30) Cyclohexane	4.72	56	78810	27.155	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	71467	25.276	ug/L	98
32) Carbon tetrachloride	4.87	117	60605	25.365	ug/L	99
34) Benzene	5.14	78	181857	26.565	ug/L	100
35) Trichloroethene	5.96	95	48318	25.376	ug/L	97
36) Methylcyclohexane	6.17	83	87116	26.156	ug/L	98
40) 1,2-Dichloropropane	6.22	63	43221	26.013	ug/L	99
41) Bromodichloromethane	6.55	83	57973	24.500	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	72508	25.715	ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	67040	48.066	ug/L	99
44) Toluene	7.43	91	201621	26.555	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	60902	24.665	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	36529	24.689	ug/L	97
47) Tetrachloroethene	8.02	164	40375	27.131	ug/L	96
49) 2-Hexanone	8.19	43	50803	47.362	ug/L #	94
50) Dibromochloromethane	8.29	129	44108	24.724	ug/L	99
51) 1,2-Dibromoethane	8.40	107	36918	24.878	ug/L	98
52) Chlorobenzene	8.92	112	131551	26.609	ug/L	99
53) Ethylbenzene	9.05	91	230189	26.837	ug/L	98
54) m,p-Xylene	9.18	106	89613	26.775	ug/L	97
55) o-xylene	9.59	106	86875	27.654	ug/L	100
56) Styrene	9.60	104	148234	27.496	ug/L	95
57) Isopropylbenzene	9.97	105	236901	27.241	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	51403	24.620	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	36379	24.315	ug/L	99
62) Bromoform	9.77	173	27597	23.735	ug/L #	98
63) 1,3-Dichlorobenzene	11.23	146	104239	25.802	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	103687	25.748	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	96663	25.518	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	8516	20.243	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	77174	26.399	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	61112	25.621	ug/L	98
69) Naphthalene	13.55	128	120420	23.554	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	56557	25.693	ug/L	99

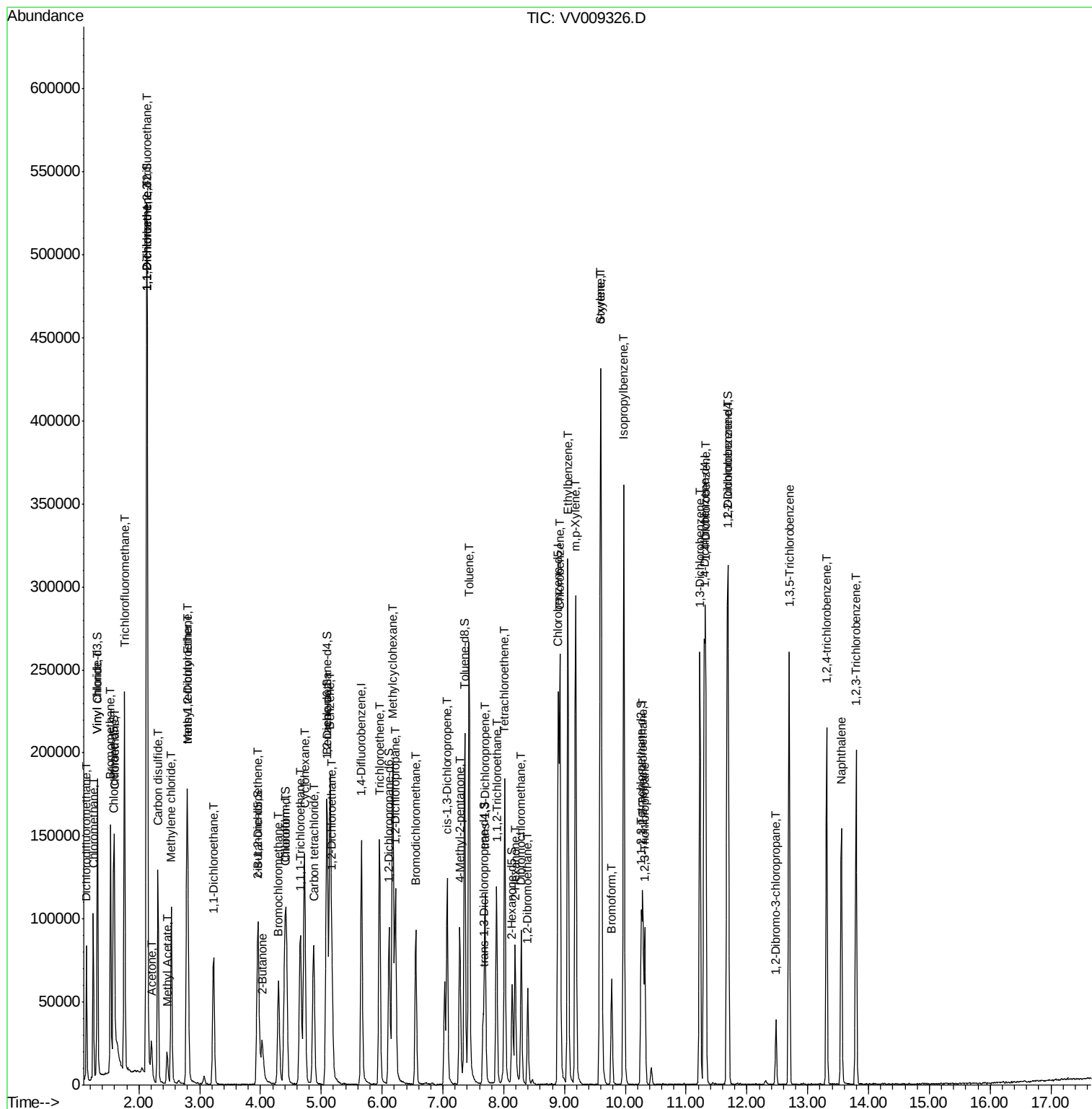
(#) = qualifier out of range (m) = manual integration (+) = signals summed

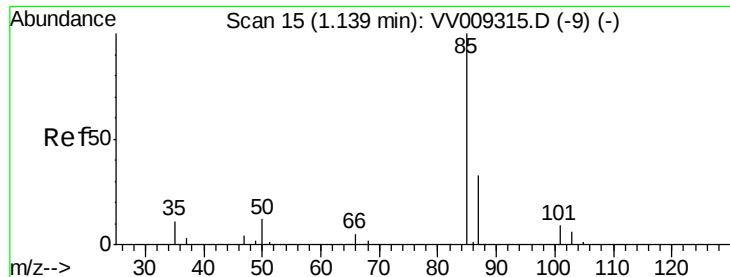
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#2

Dichlorodifluoromethane

Concen: 27.255 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

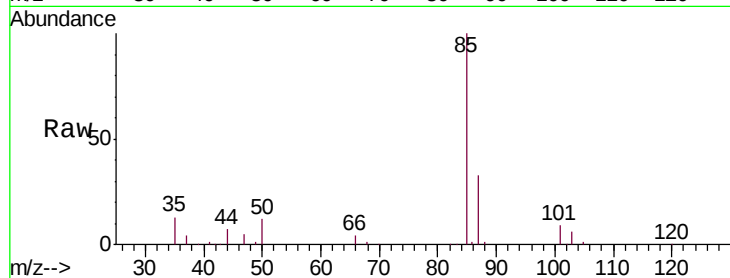
VSTD02576

Tgt Ion: 85 Resp: 41015

Ion Ratio Lower Upper

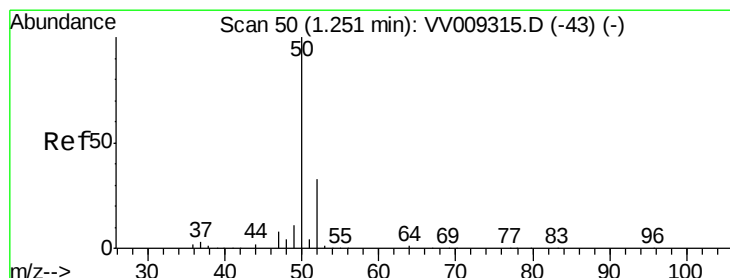
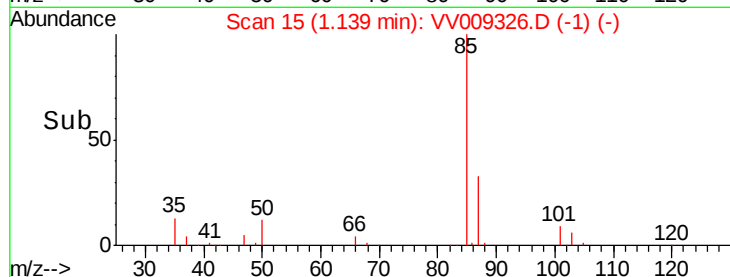
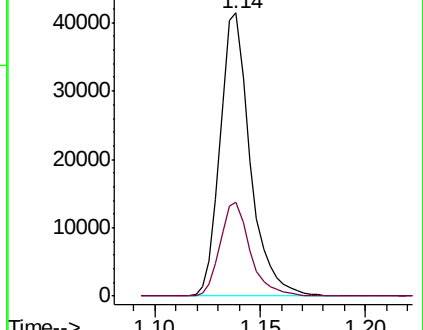
85 100

87 33.0 24.2 45.0



Abundance Ion 85.00 (84.70 to 85.70): VV009315.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009315.D (-9) (-)



#3

Chloromethane

Concen: 31.225 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009326.D

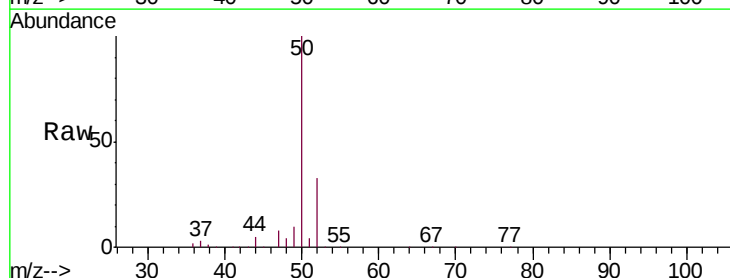
Acq: 21 Feb 2019 16:02

Tgt Ion: 50 Resp: 57407

Ion Ratio Lower Upper

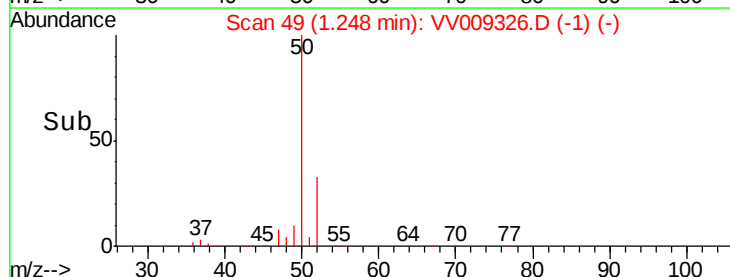
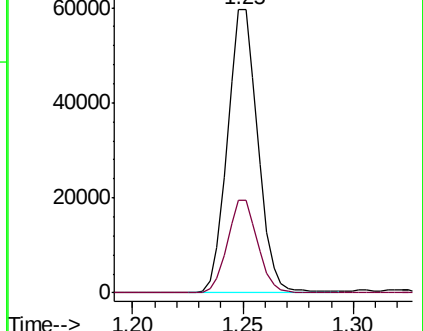
50 100

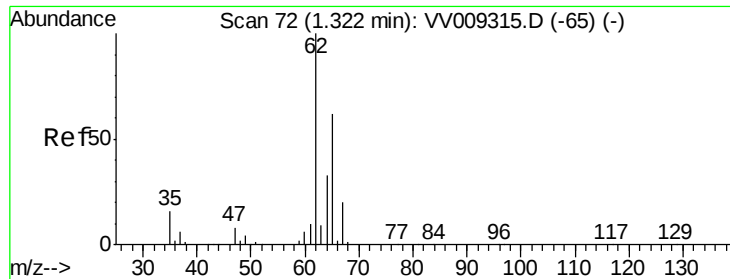
52 32.6 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV009315.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009315.D (-43) (-)





#5

Vinyl chloride

Concen: 32.300 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

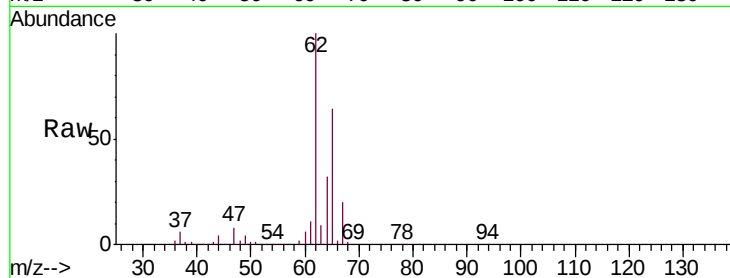
VSTD02576

Tgt Ion: 62 Resp: 67343

Ion Ratio Lower Upper

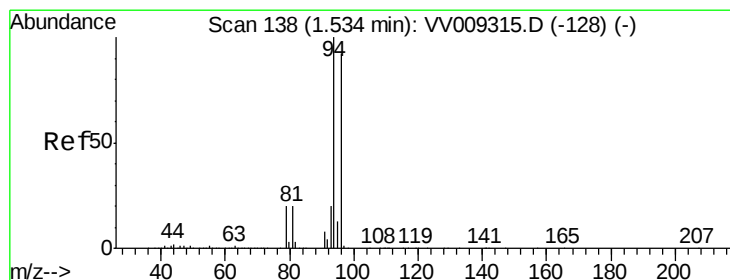
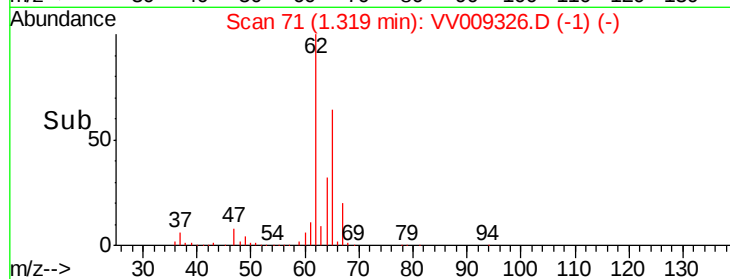
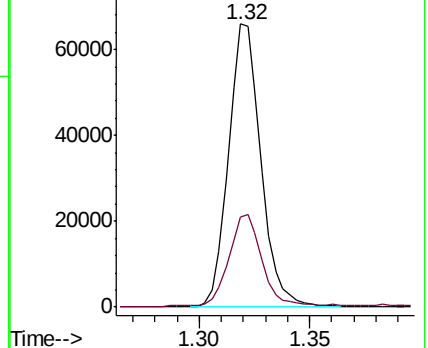
62 100

64 31.7 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV009315.D (-65) (-)

Ion 64.00 (63.70 to 64.70): VV009315.D (-65) (-)



#6

Bromomethane

Concen: 27.251 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV009326.D

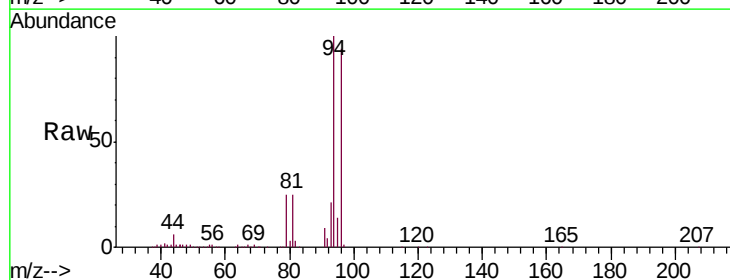
Acq: 21 Feb 2019 16:02

Tgt Ion: 94 Resp: 52873

Ion Ratio Lower Upper

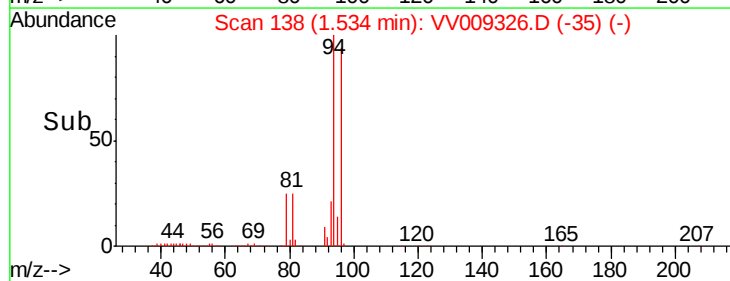
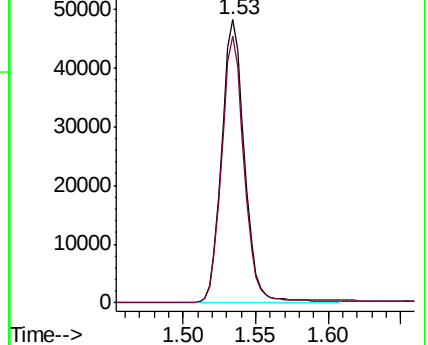
94 100

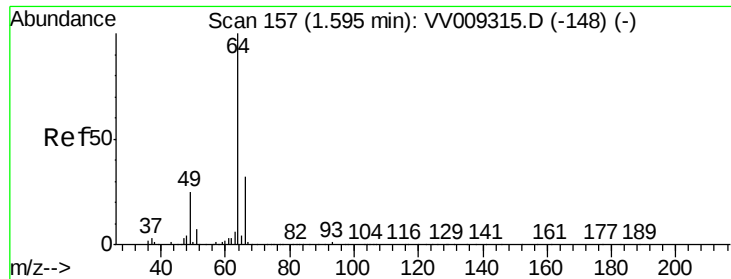
96 93.4 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VV009315.D (-128) (-)

Ion 96.00 (95.70 to 96.70): VV009315.D (-128) (-)





#8

Chloroethane

Concen: 36.598 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

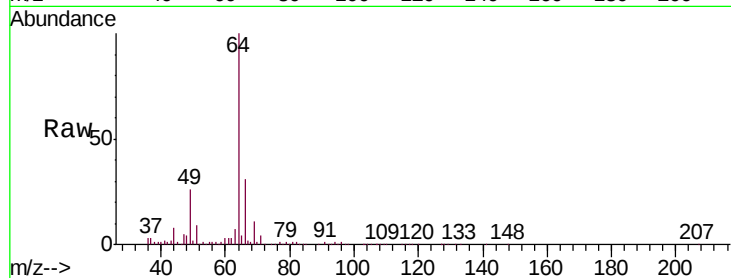
VSTD02576

Tgt Ion: 64 Resp: 64407

Ion Ratio Lower Upper

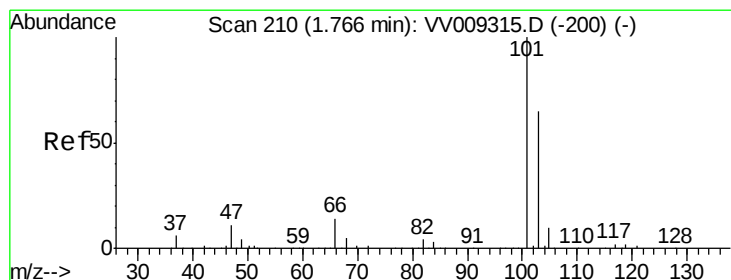
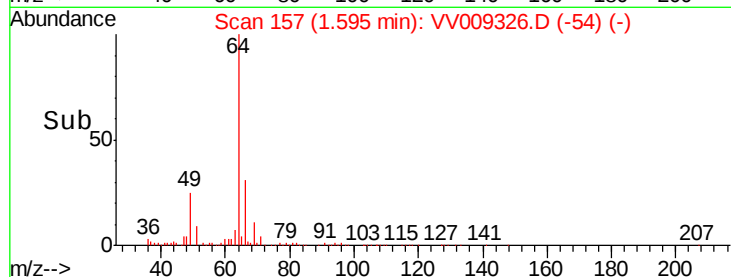
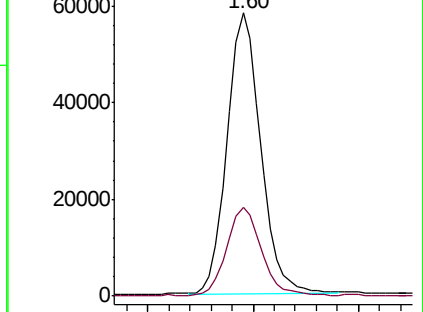
64 100

66 31.3 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV009315.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV009315.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 31.393 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009326.D

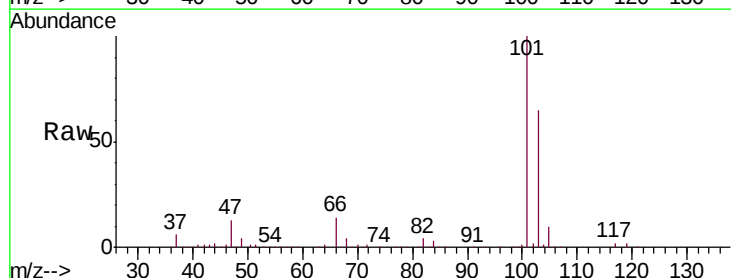
Acq: 21 Feb 2019 16:02

Tgt Ion: 101 Resp: 123219

Ion Ratio Lower Upper

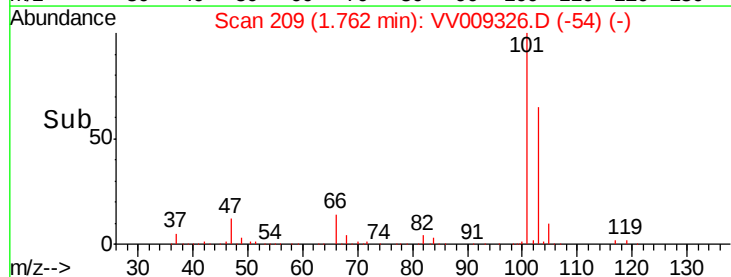
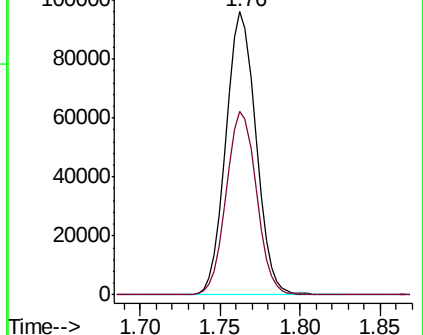
101 100

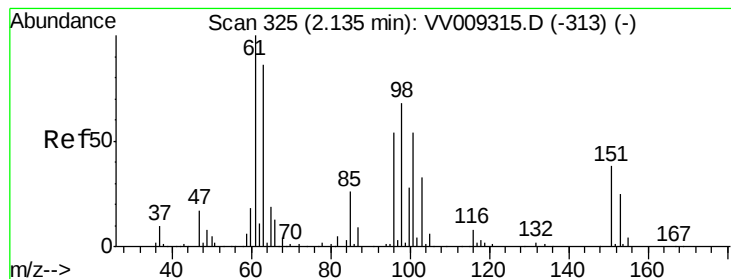
103 65.0 45.4 84.4



Abundance Ion 101.00 (100.70 to 101.70): VV009315.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV009315.D (-200) (-)





#11

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

Concen: 30.578 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampled :

VSTD02576

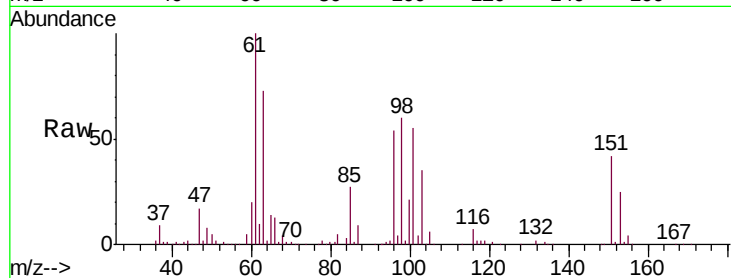
Tgt Ion: 101 Resp: 68638

Ion Ratio Lower Upper

101 100

85 48.6 39.1 58.7

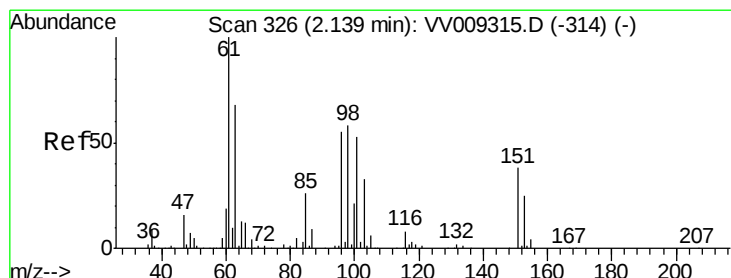
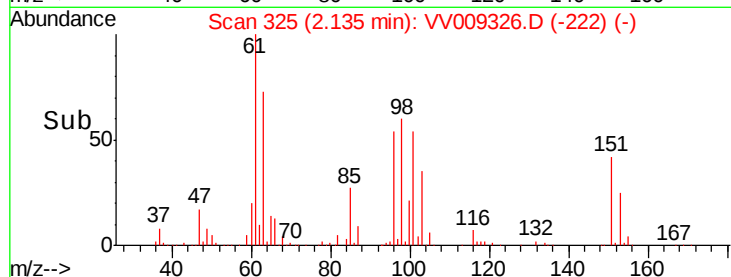
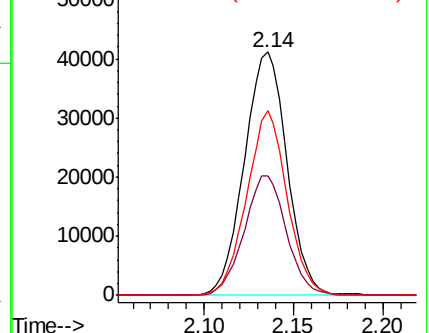
151 72.1 58.5 87.7



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: 31.010 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

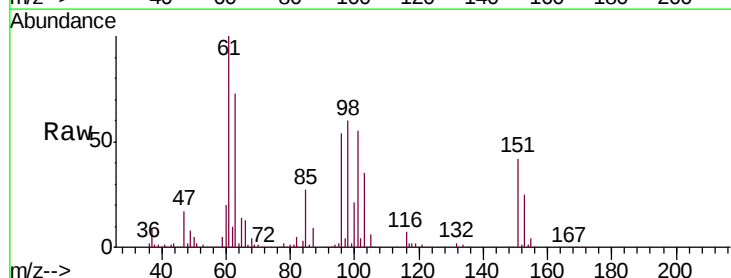
Tgt Ion: 96 Resp: 58660

Ion Ratio Lower Upper

96 100

61 184.4 123.3 228.9

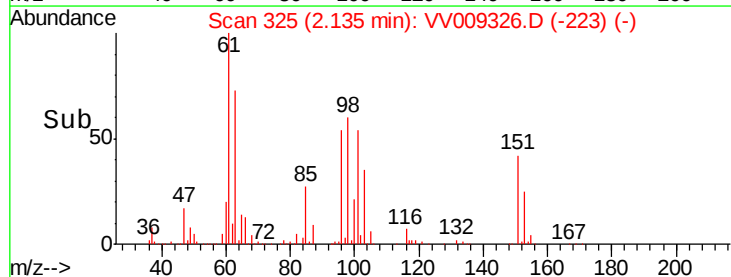
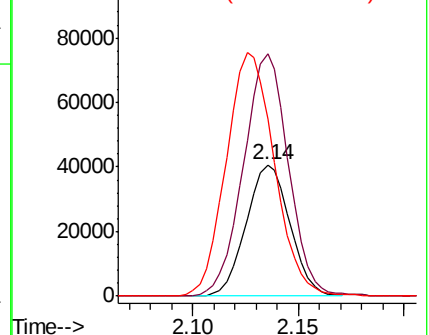
63 134.2 88.4 164.2

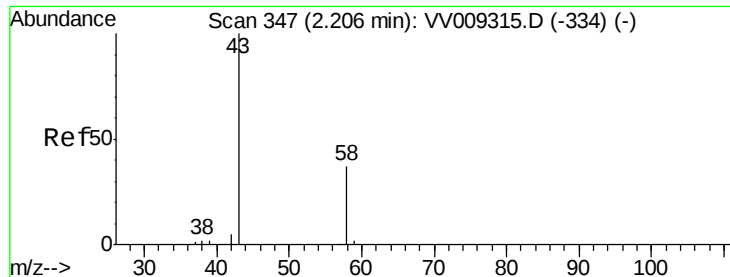


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 52.498 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

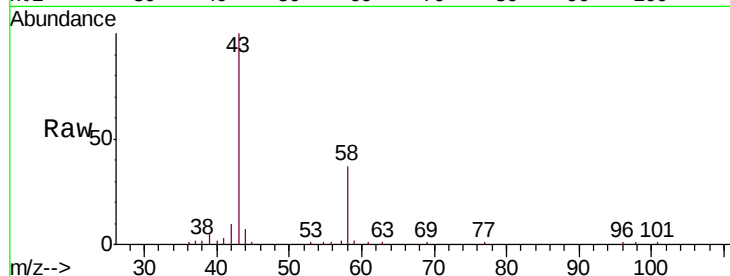
VSTD02576

Tgt Ion: 43 Resp: 30807

Ion Ratio Lower Upper

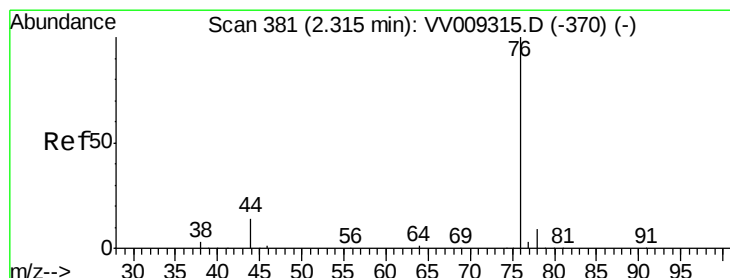
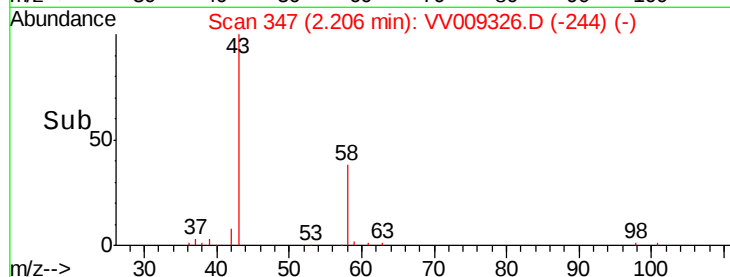
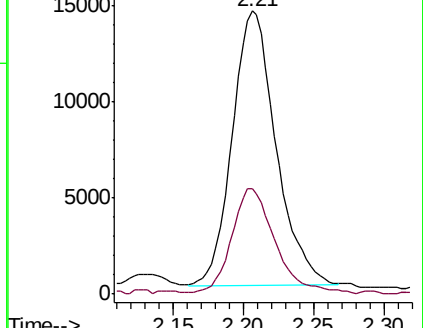
43 100

58 39.1 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV009315.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009315.D (-334) (-)



#14

Carbon disulfide

Concen: 28.289 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009326.D

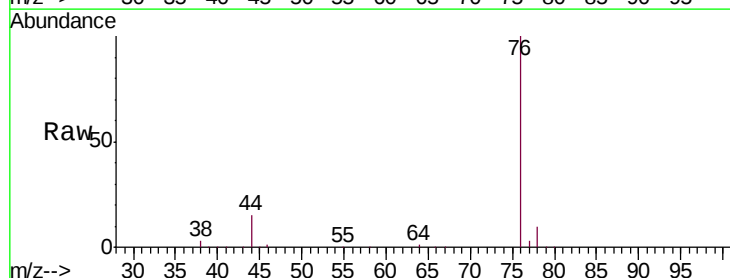
Acq: 21 Feb 2019 16:02

Tgt Ion: 76 Resp: 143195

Ion Ratio Lower Upper

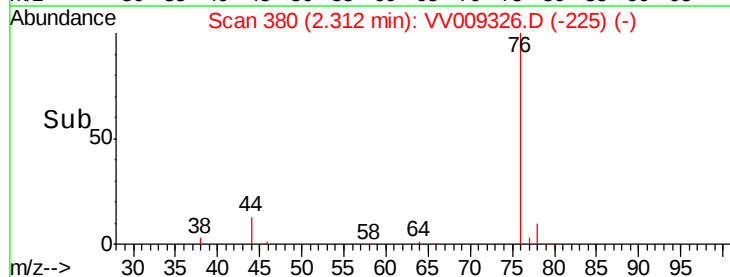
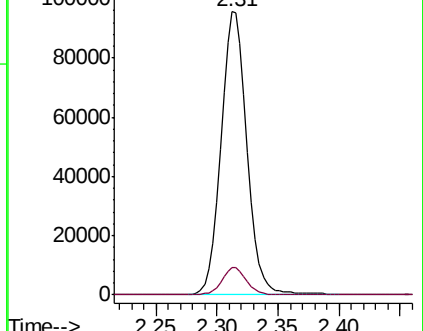
76 100

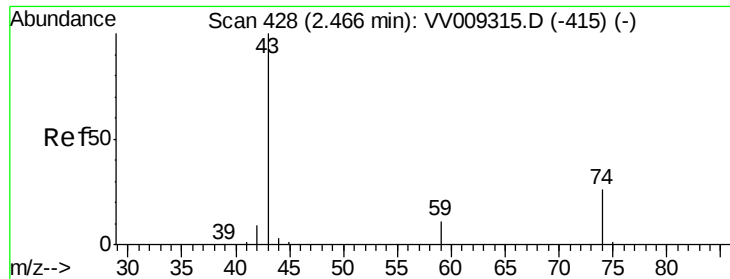
78 9.8 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VV009315.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV009315.D (-370) (-)

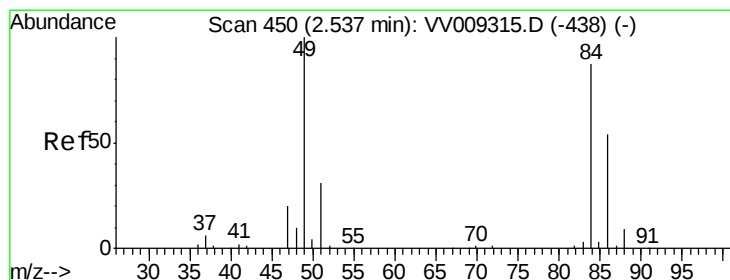
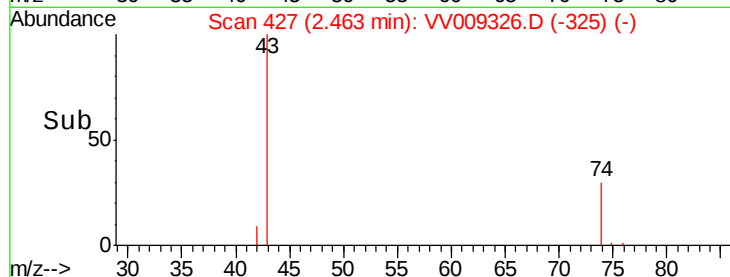
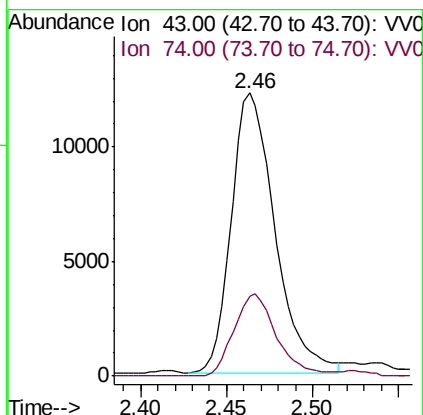
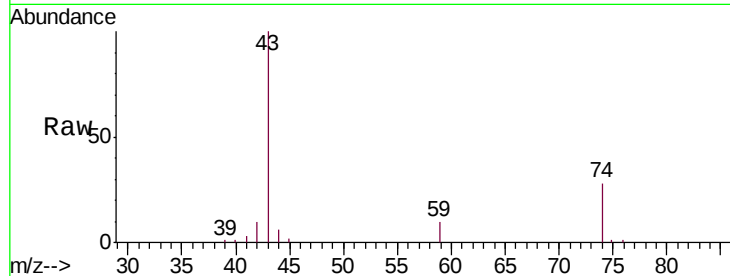




#15
Methyl Acetate
Concen: 25.136 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

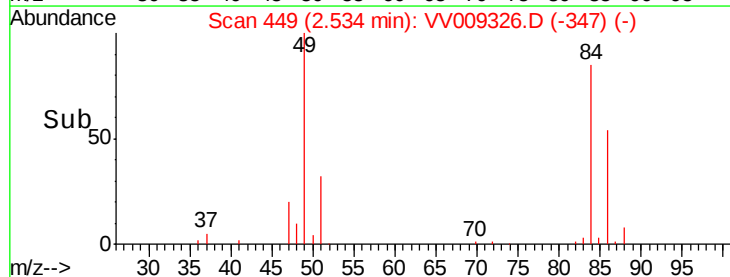
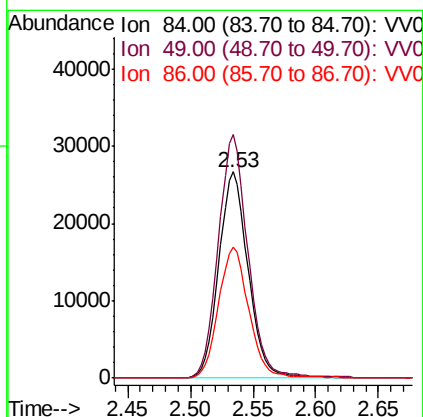
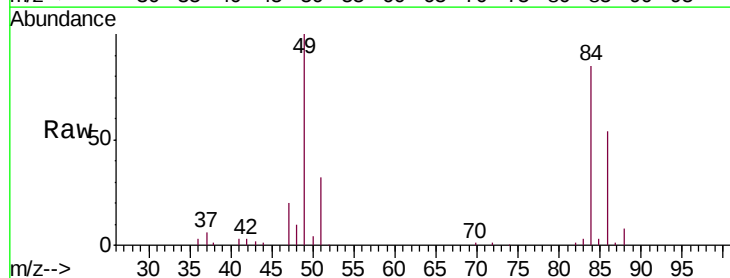
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

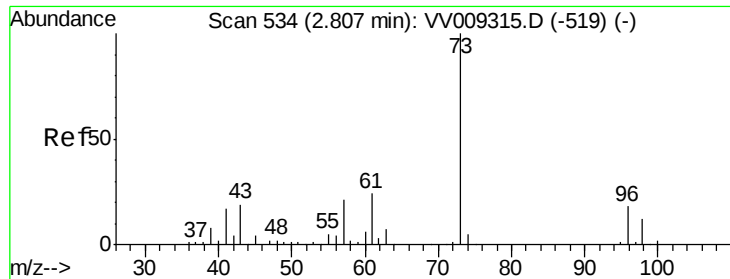
Tgt Ion: 43 Resp: 21508
Ion Ratio Lower Upper
43 100
74 28.4 21.8 32.6



#16
Methylene chloride
Concen: 22.277 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

Tgt Ion: 84 Resp: 43447
Ion Ratio Lower Upper
84 100
49 118.2 78.7 146.1
86 63.3 44.0 81.6

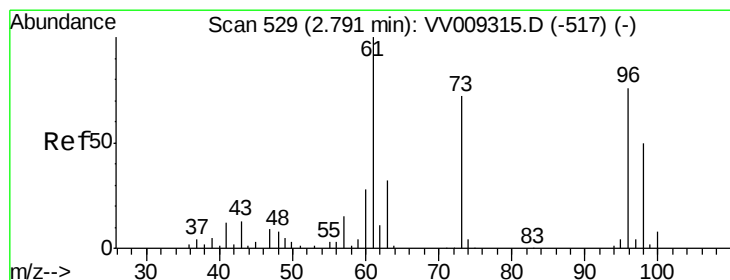
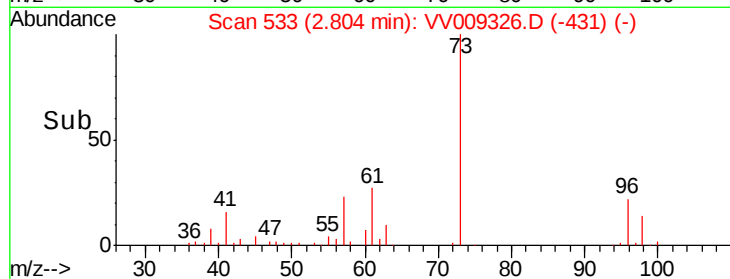
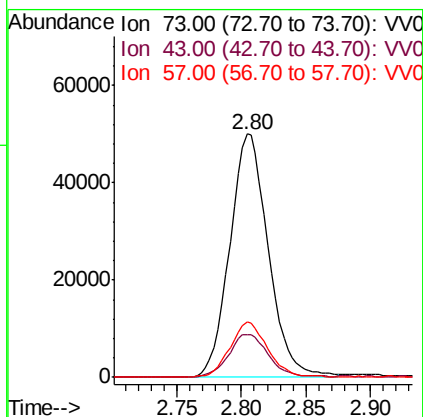
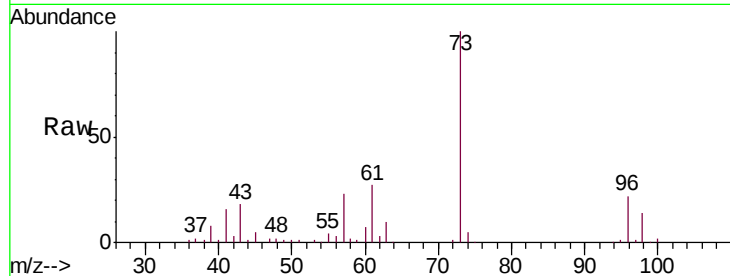




#17
Methyl tert-butyl Ether
Concen: 24.833 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

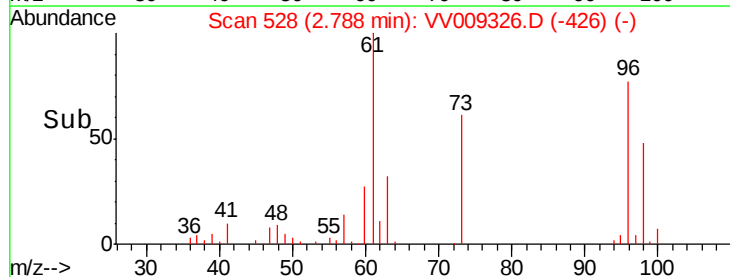
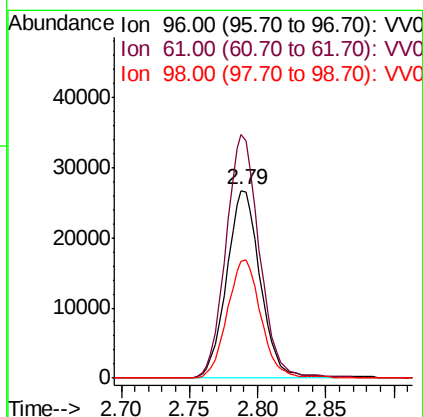
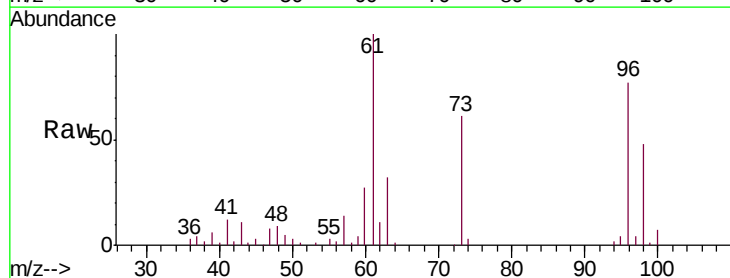
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

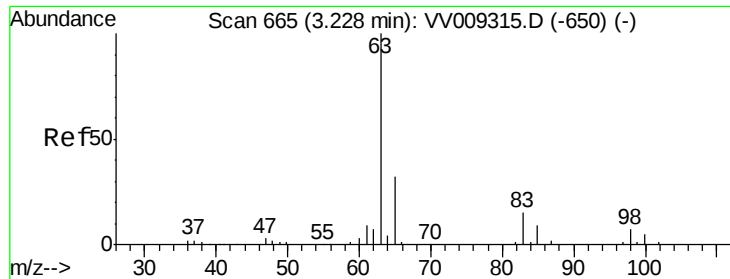
Tgt Ion: 73 Resp: 104053
Ion Ratio Lower Upper
73 100
43 18.3 14.0 21.0
57 22.0 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 26.962 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

Tgt Ion: 96 Resp: 45946
Ion Ratio Lower Upper
96 100
61 129.6 88.8 165.0
98 62.2 43.0 79.8

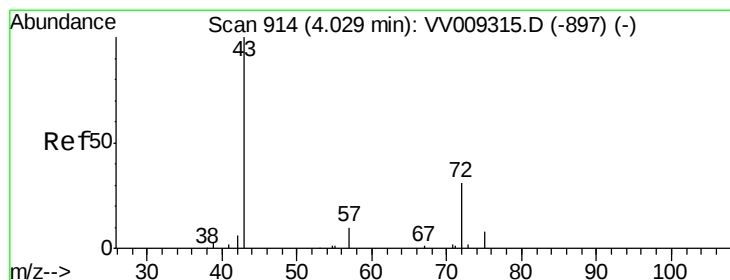
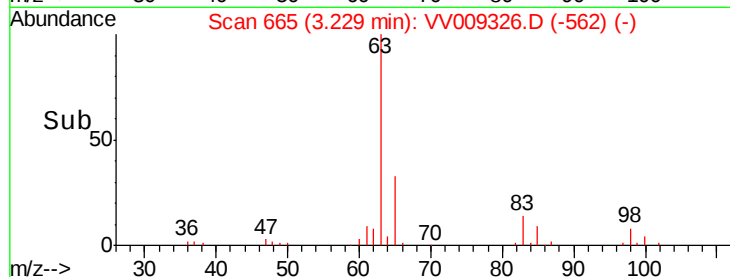
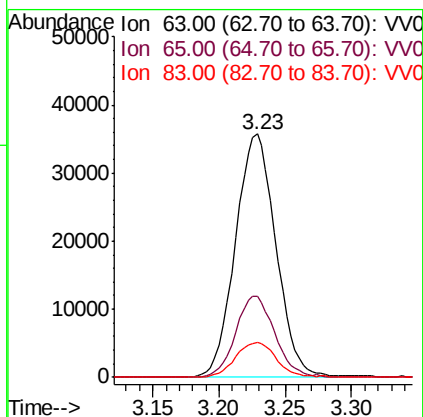
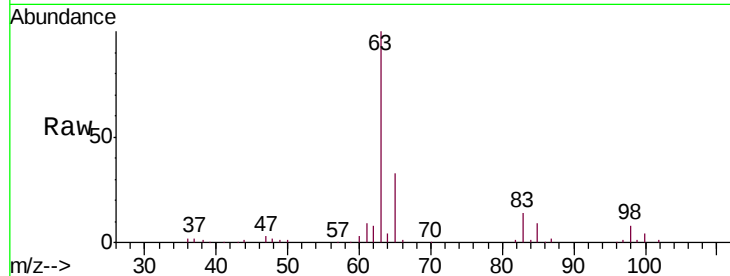




#19
 1,1-Dichloroethane
 Concen: 26.848 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

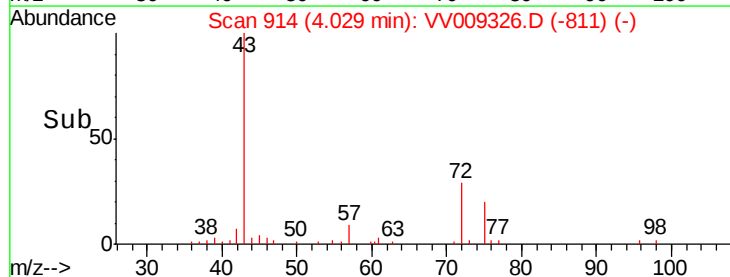
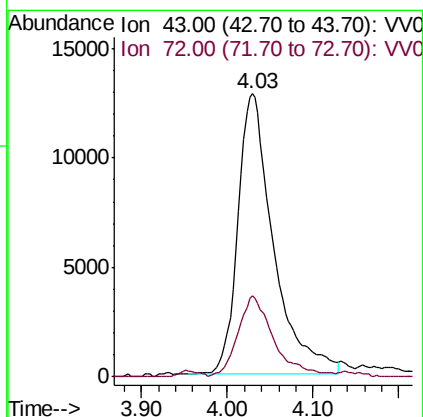
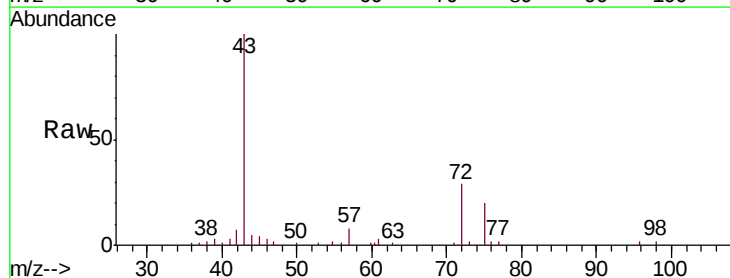
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

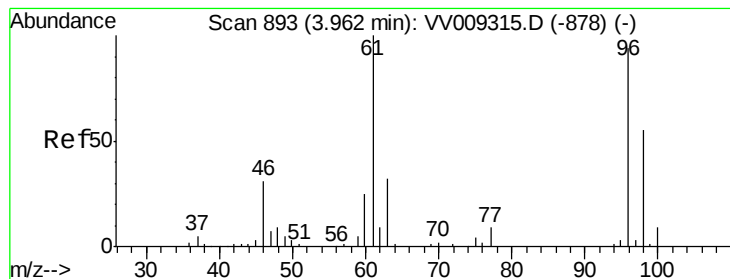
Tgt Ion: 63 Resp: 75993
 Ion Ratio Lower Upper
 63 100
 65 33.0 21.6 40.2
 83 14.2 10.1 18.9



#21
 2-Butanone
 Concen: 55.109 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

Tgt Ion: 43 Resp: 37048
 Ion Ratio Lower Upper
 43 100
 72 28.0 15.4 46.2



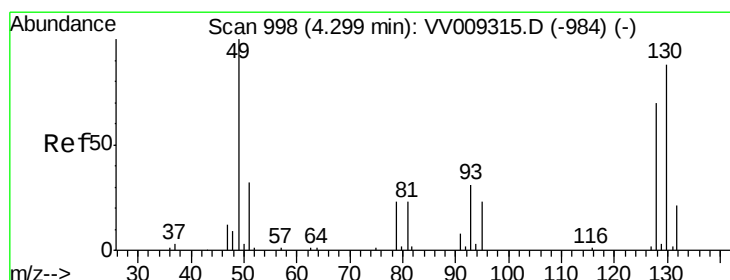
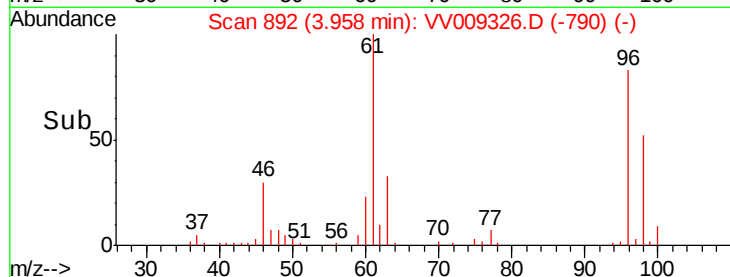
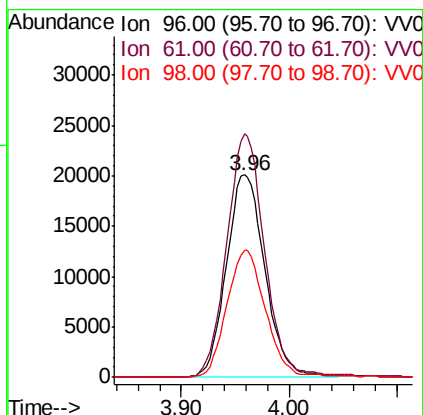
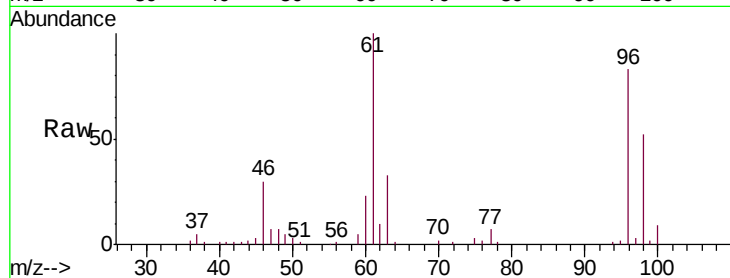


#22

cis-1,2-Dichloroethene
 Concen: 26.955 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

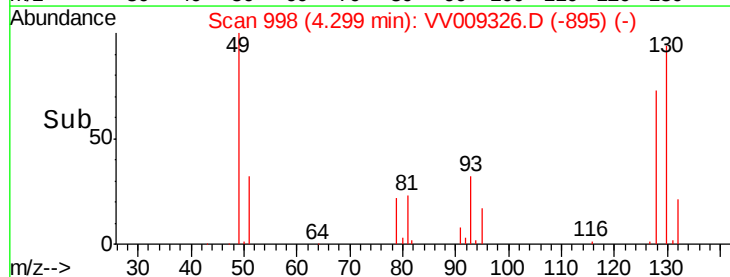
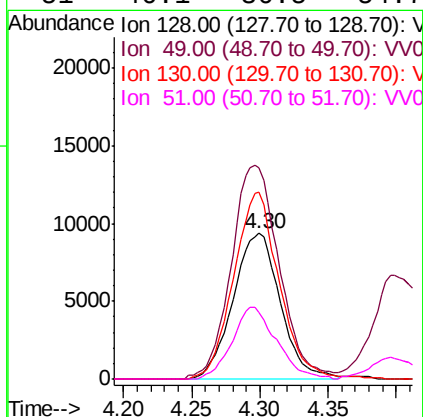
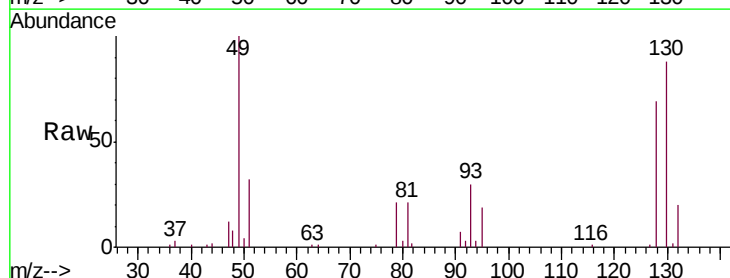
Tgt Ion: 96 Resp: 50178
 Ion Ratio Lower Upper
 96 100
 61 120.2 86.2 160.0
 98 62.8 46.8 87.0

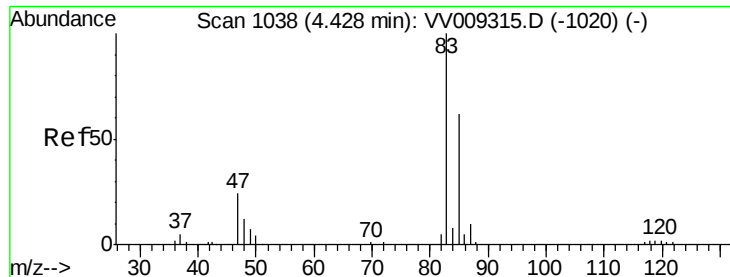


#23

Bromochloromethane
 Concen: 26.505 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

Tgt Ion: 128 Resp: 22581
 Ion Ratio Lower Upper
 128 100
 49 145.3 103.0 191.4
 130 128.1 93.3 173.3
 51 46.1 36.5 54.7

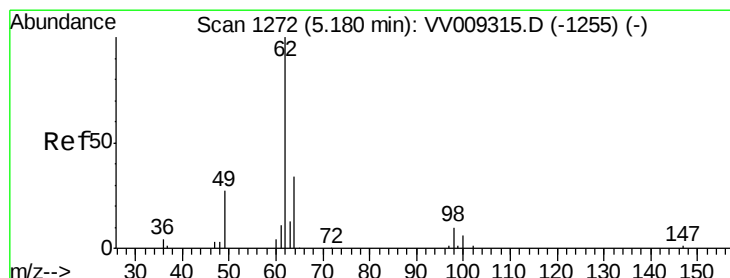
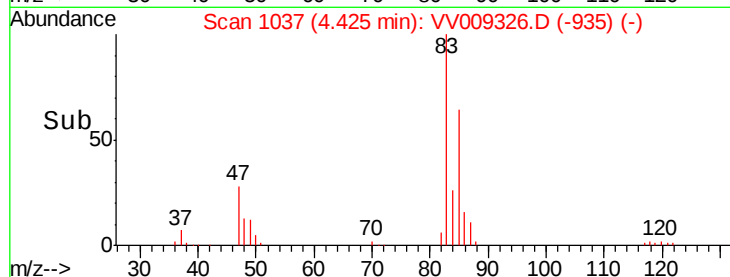
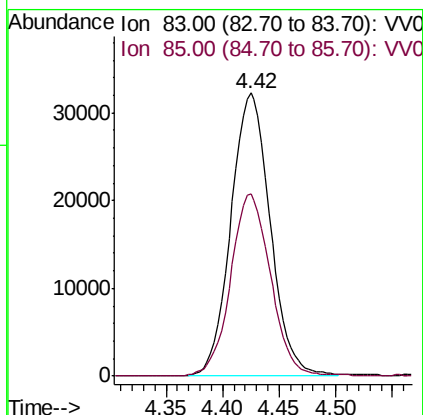
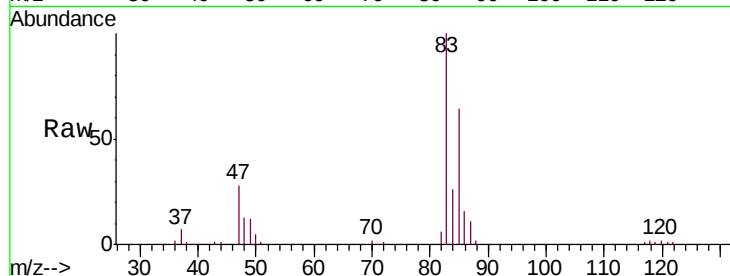




#25
Chloroform
Concen: 25.968 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

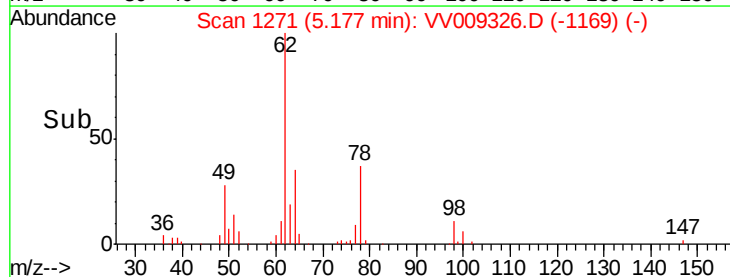
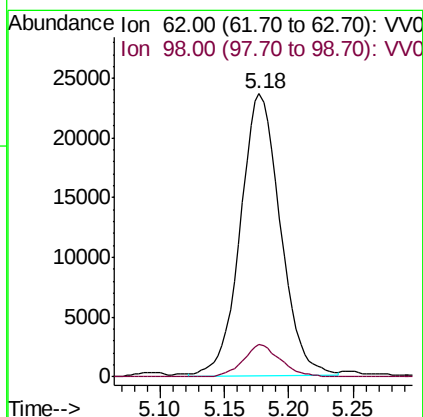
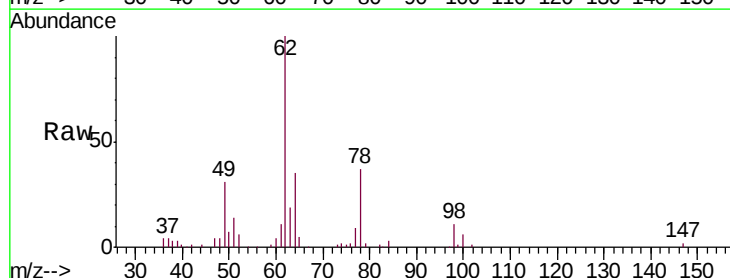
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

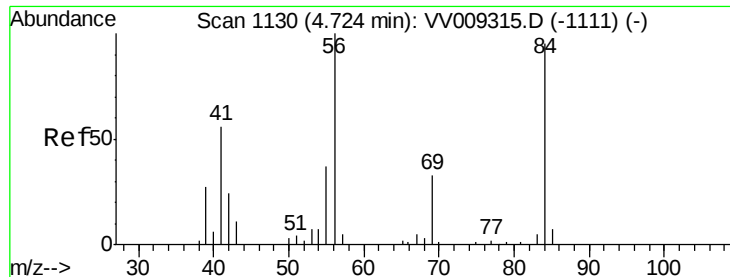
Tgt Ion: 83 Resp: 78213
Ion Ratio Lower Upper
83 100
85 65.1 47.5 88.3



#27
1,2-Dichloroethane
Concen: 25.096 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

Tgt Ion: 62 Resp: 51184
Ion Ratio Lower Upper
62 100
98 11.4 8.5 12.7

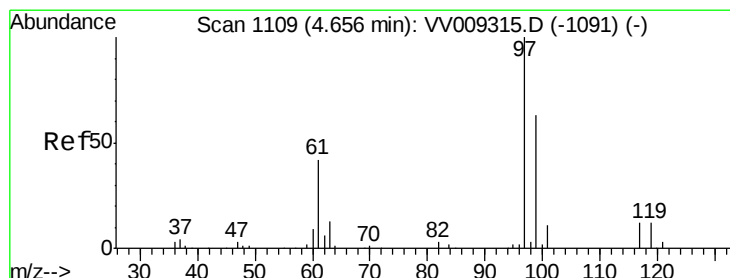
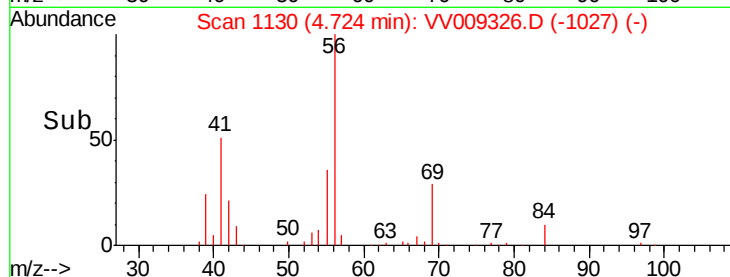
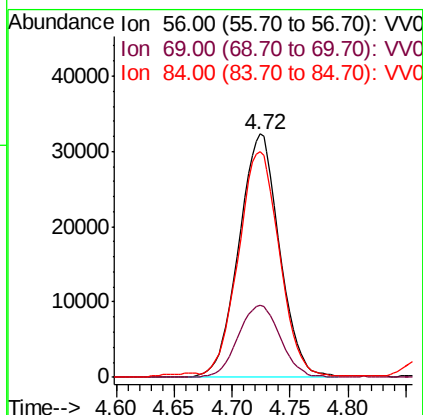
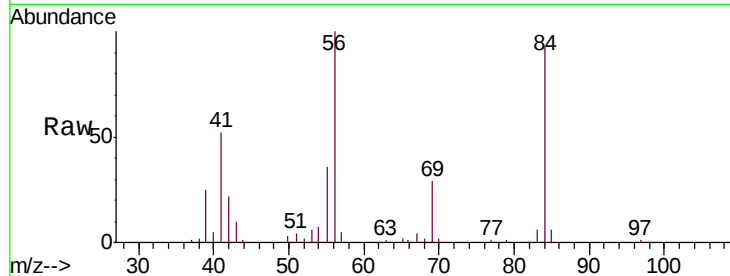




#30
Cyclohexane
Concen: 27.155 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

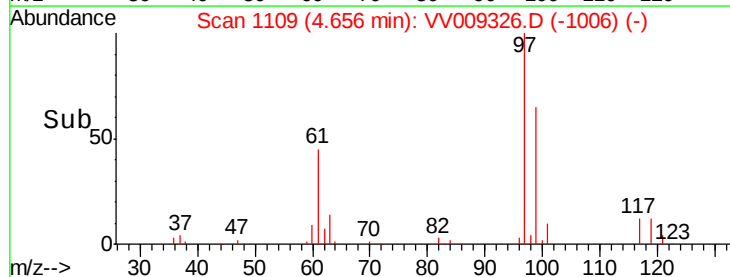
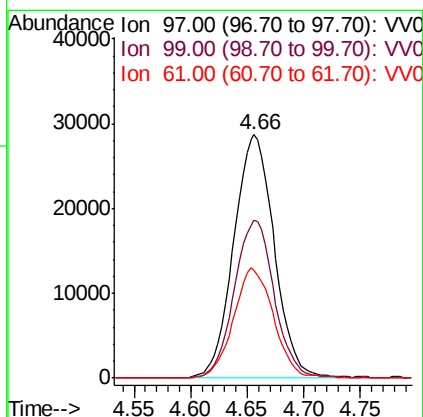
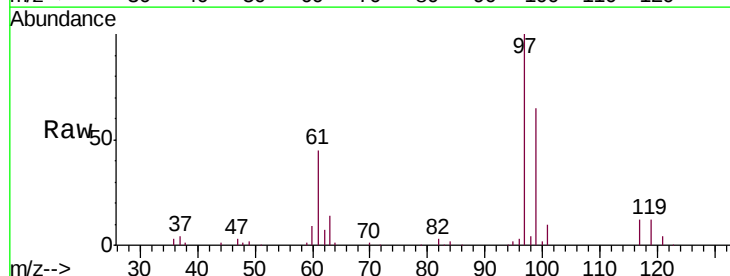
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

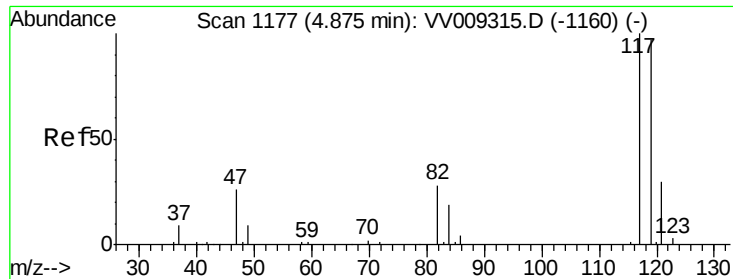
Tgt Ion: 56 Resp: 78810
Ion Ratio Lower Upper
56 100
69 30.6 25.7 38.5
84 92.9 77.2 115.8



#31
1,1,1-Trichloroethane
Concen: 25.276 ug/L
RT: 4.66 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

Tgt Ion: 97 Resp: 71467
Ion Ratio Lower Upper
97 100
99 64.1 51.7 77.5
61 44.3 34.0 51.0





#32

Carbon tetrachloride

Concen: 25.365 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampled :

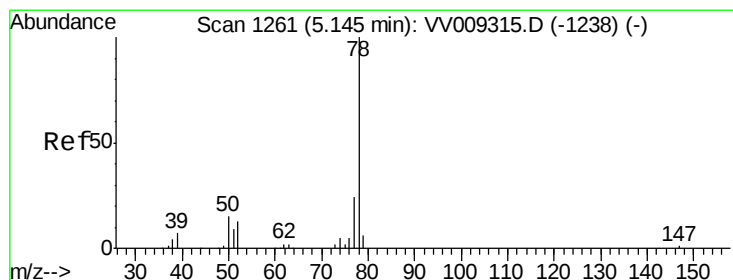
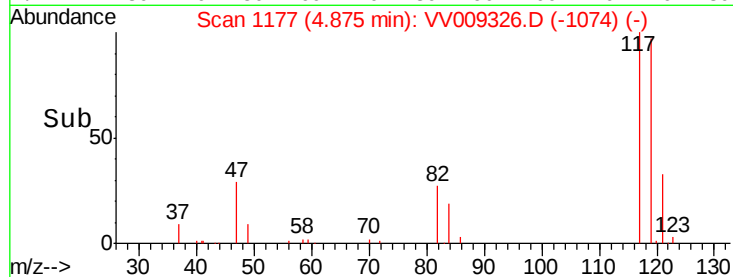
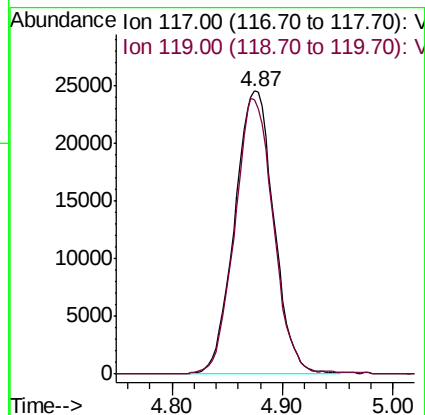
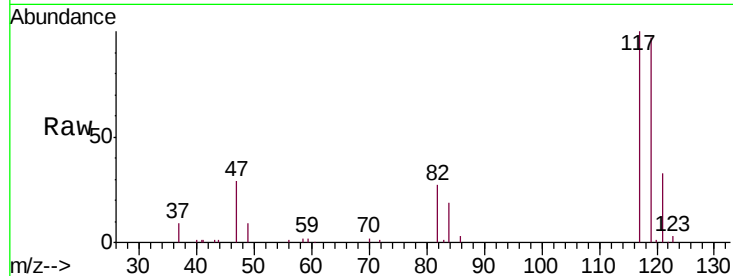
VSTD02576

Tgt Ion:117 Resp: 60605

Ion Ratio Lower Upper

117 100

119 95.2 76.7 115.1



#34

Benzene

Concen: 26.565 ug/L

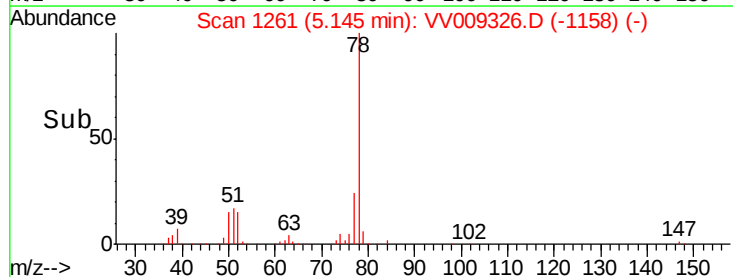
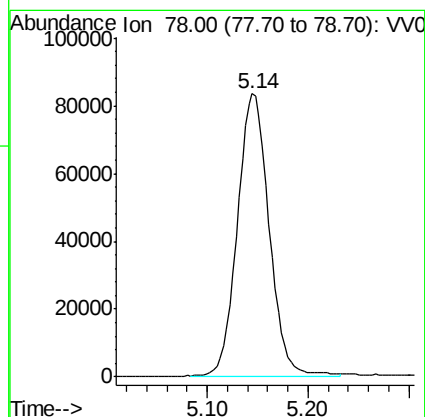
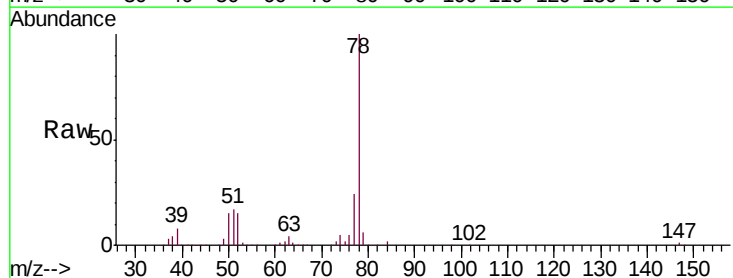
RT: 5.14 min Scan# 1261

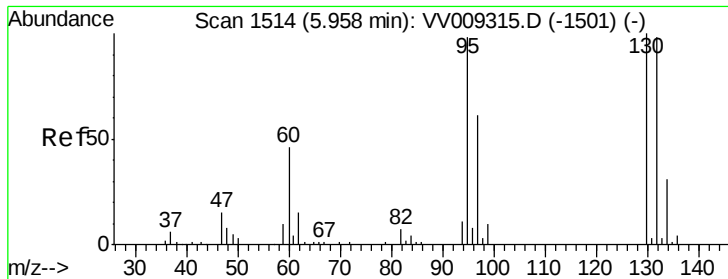
Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Tgt Ion: 78 Resp: 181857





#35

Trichloroethene

Concen: 25.376 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

Tgt Ion: 95 Resp: 48318

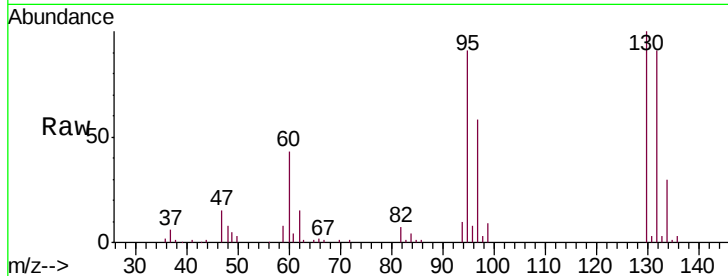
Ion Ratio Lower Upper

95 100

97 64.6 45.0 83.6

132 100.5 68.7 127.5

130 107.5 72.2 134.0

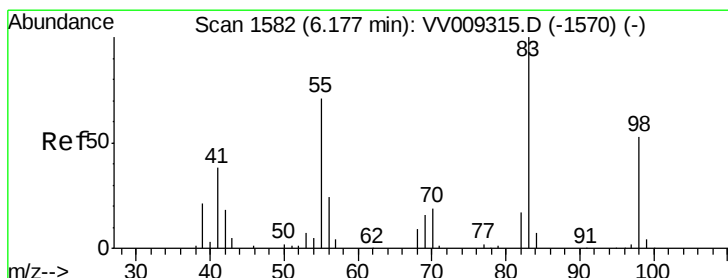
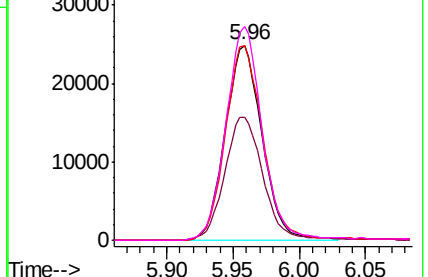
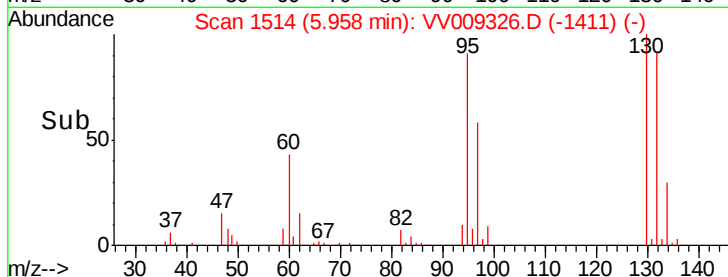


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 26.156 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

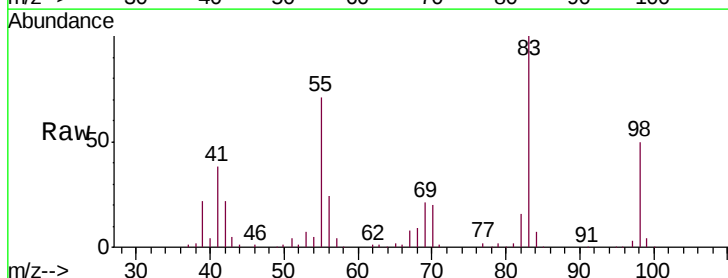
Tgt Ion: 83 Resp: 87116

Ion Ratio Lower Upper

83 100

55 72.0 55.8 83.6

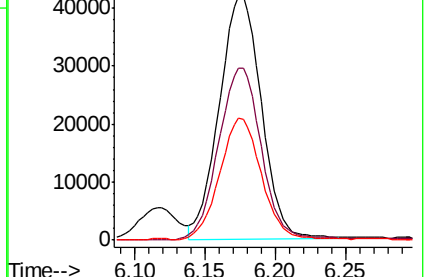
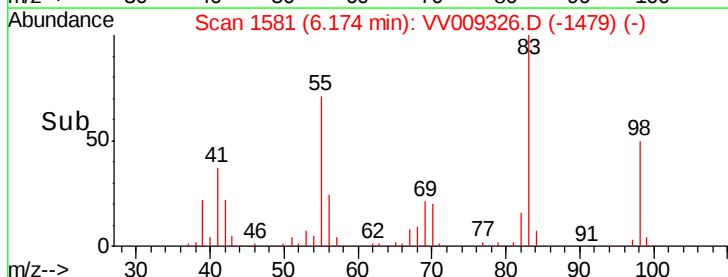
98 49.3 40.3 60.5

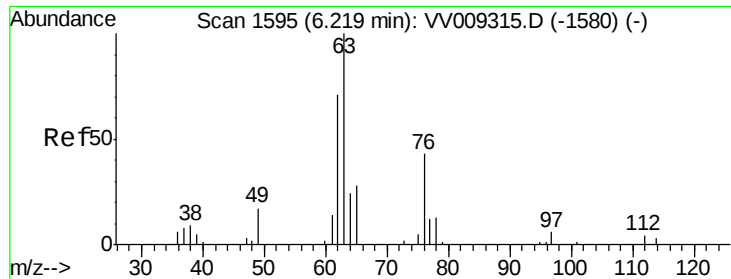


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

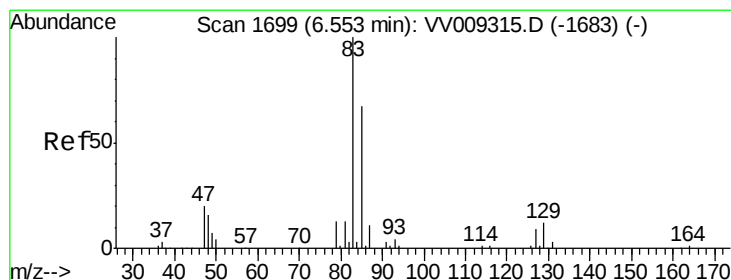
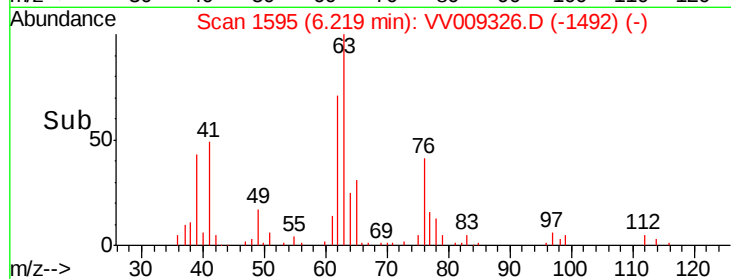
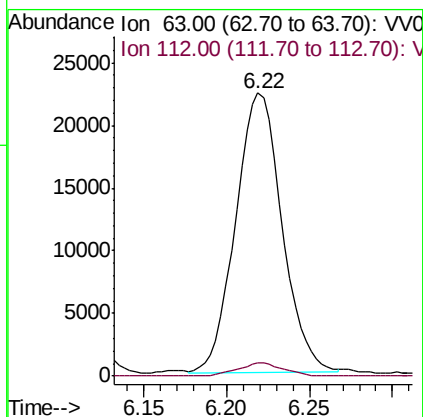
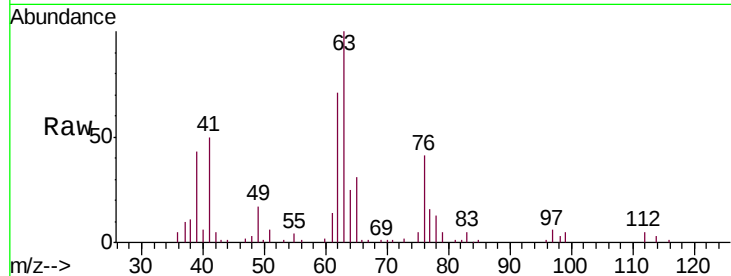




#40
 1,2-Dichloropropane
 Concen: 26.013 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

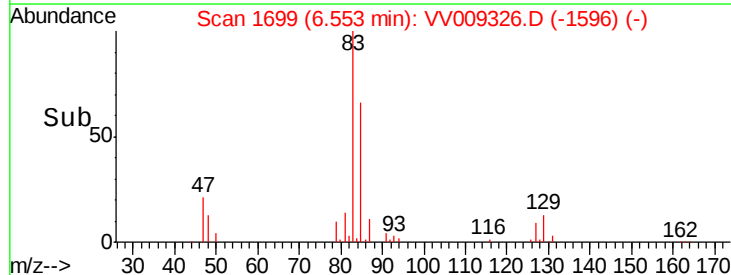
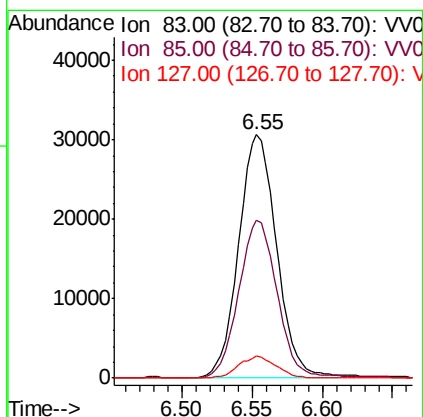
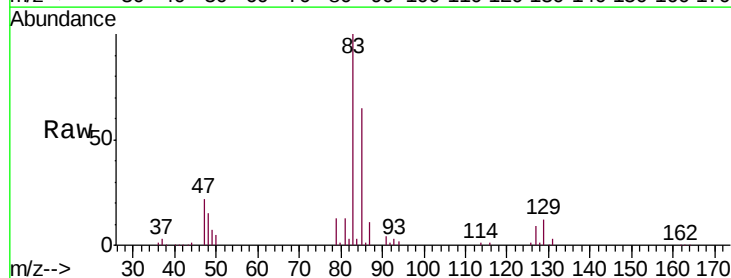
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

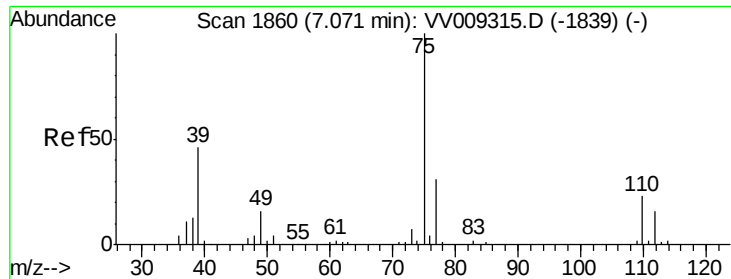
Tgt Ion: 63 Resp: 43221
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.8 5.8



#41
 Bromodichloromethane
 Concen: 24.500 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

Tgt Ion: 83 Resp: 57973
 Ion Ratio Lower Upper
 83 100
 85 65.0 44.9 83.5
 127 8.9 6.3 9.5



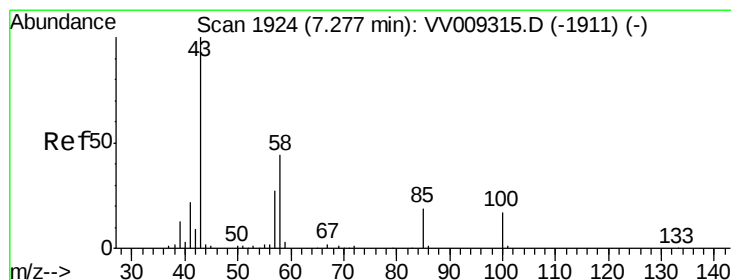
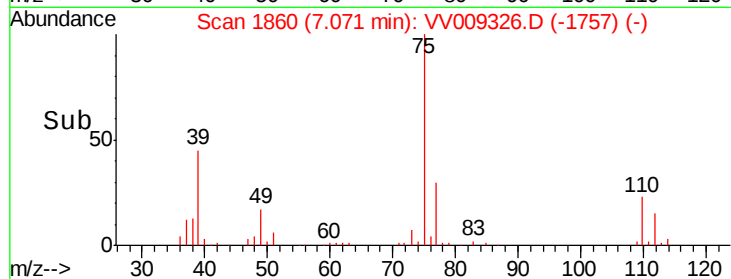
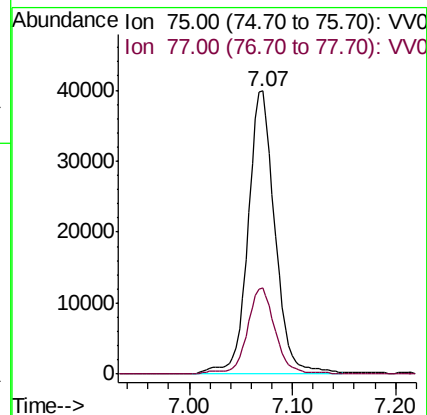
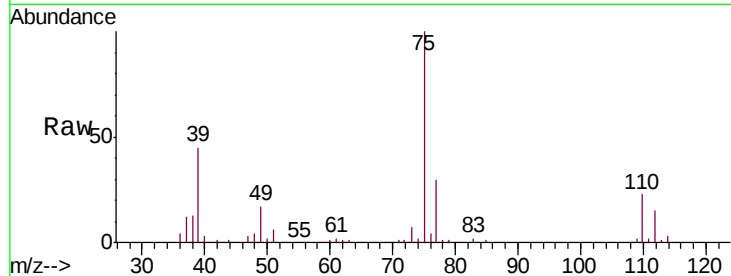


#42

cis-1,3-Dichloropropene
Concen: 25.715 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

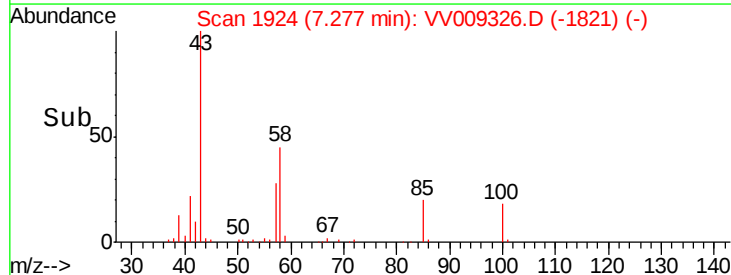
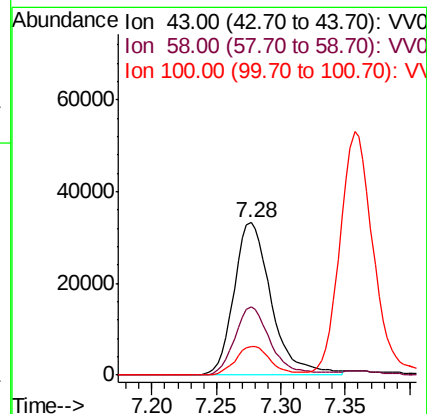
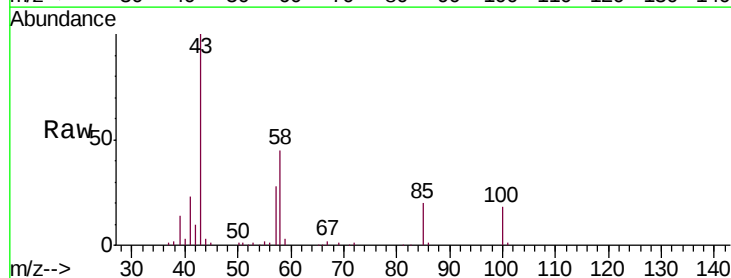
Tgt Ion: 75 Resp: 72508
Ion Ratio Lower Upper
75 100
77 30.3 22.0 40.8

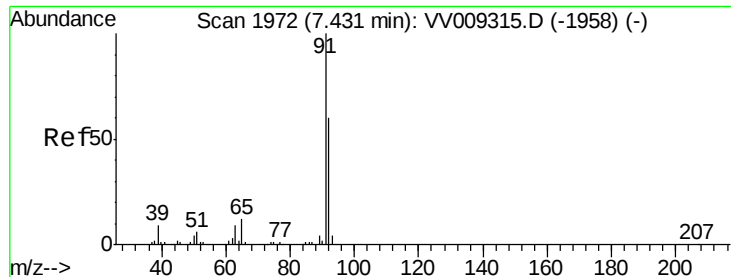


#43

4-Methyl-2-pentanone
Concen: 48.066 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

Tgt Ion: 43 Resp: 67040
Ion Ratio Lower Upper
43 100
58 42.8 34.2 51.4
100 17.8 15.1 22.7





#44

Toluene

Concen: 26.555 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

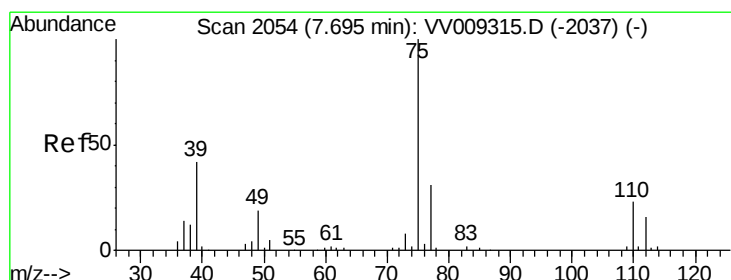
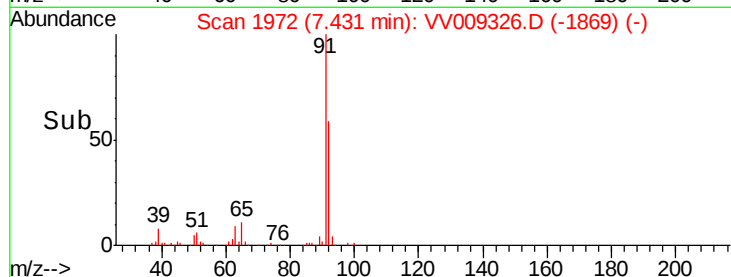
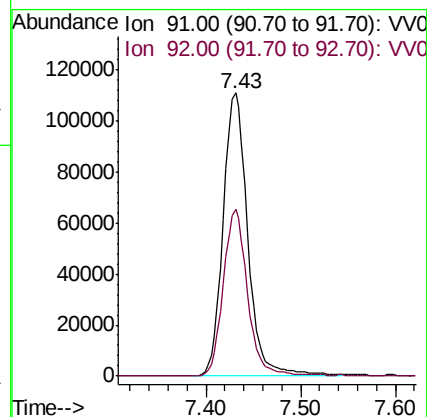
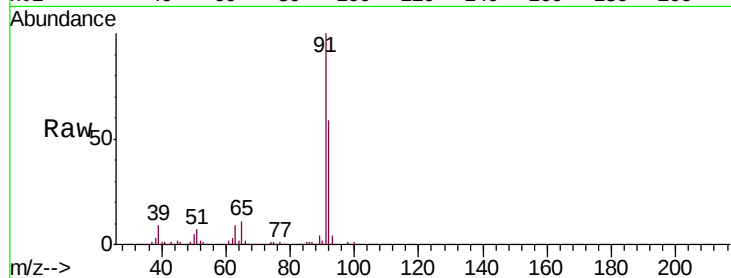
VSTD02576

Tgt Ion: 91 Resp: 201621

Ion Ratio Lower Upper

91 100

92 58.8 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 24.665 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009326.D

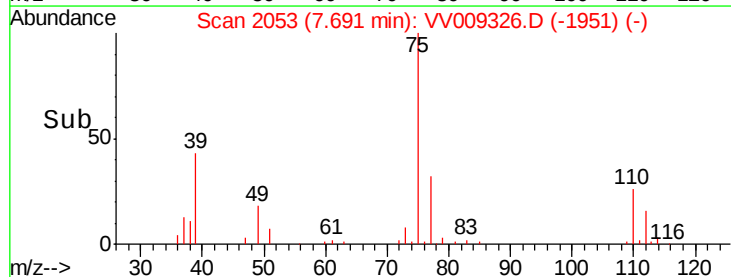
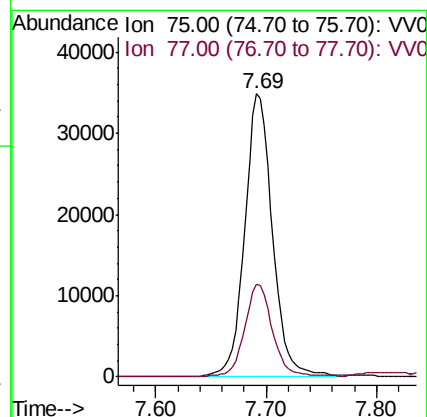
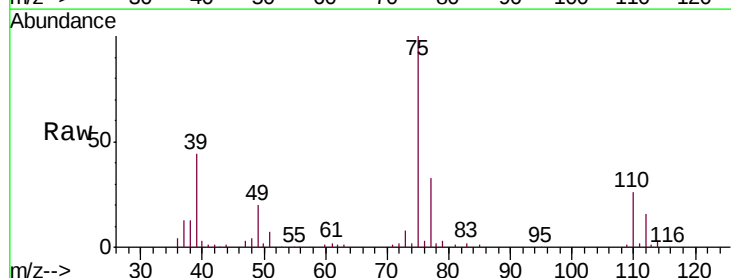
Acq: 21 Feb 2019 16:02

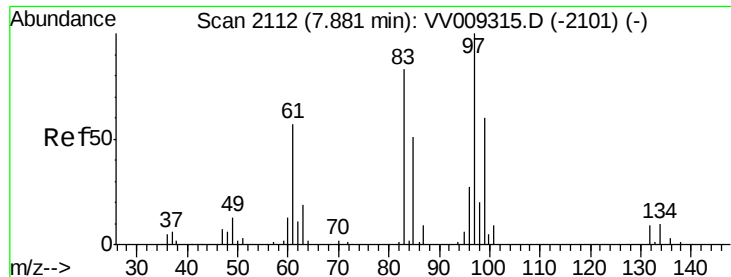
Tgt Ion: 75 Resp: 60902

Ion Ratio Lower Upper

75 100

77 32.8 22.6 42.0

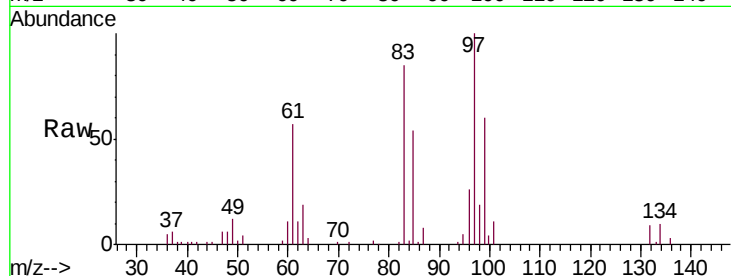




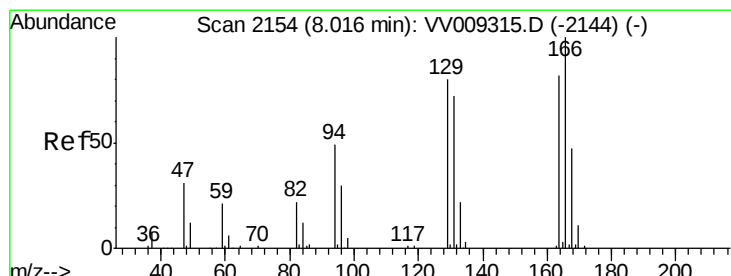
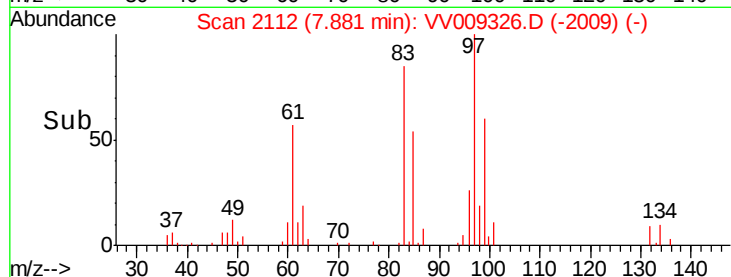
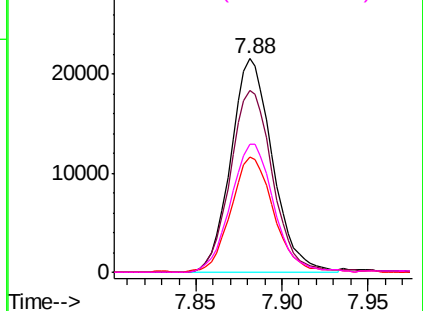
#46
 1,1,2-Trichloroethane
 Concen: 24.689 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Tgt Ion:	97	Resp:	36529
Ion	Ratio	Lower	Upper
97	100		
83	84.9	58.1	107.9
85	54.0	38.4	71.2
99	59.9	44.7	83.1

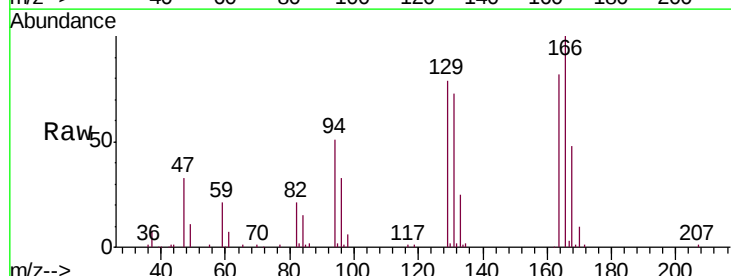


Abundance Ion 97.00 (96.70 to 97.70): VV009326.D (-2099) (-)

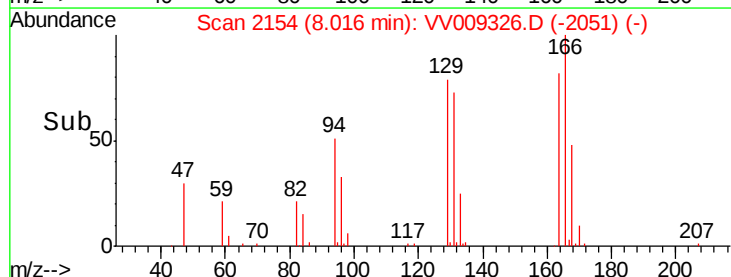
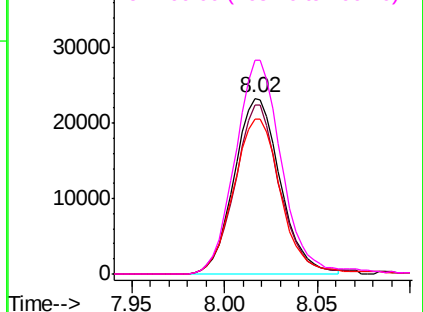


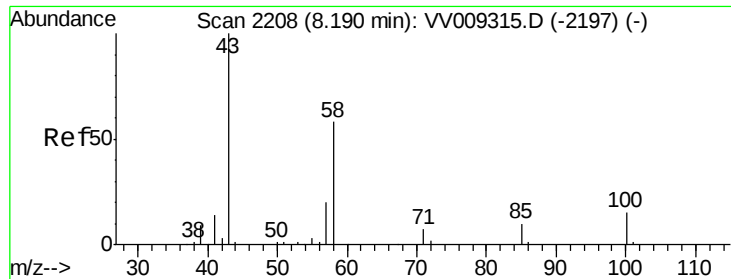
#47
 Tetrachloroethene
 Concen: 27.131 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

Tgt Ion:	164	Resp:	40375
Ion	Ratio	Lower	Upper
164	100		
129	96.6	67.0	124.4
131	88.5	65.0	120.8
166	121.5	89.9	167.0



Abundance Ion 164.00 (163.70 to 164.70): VV009326.D (-2051) (-)

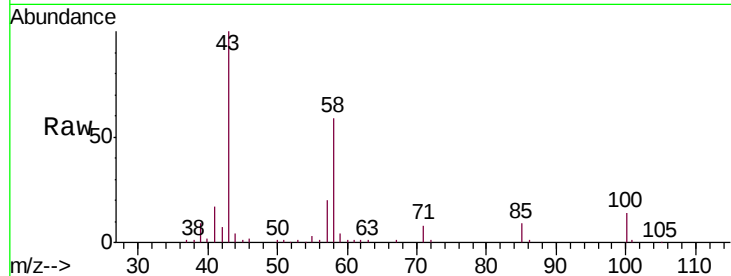




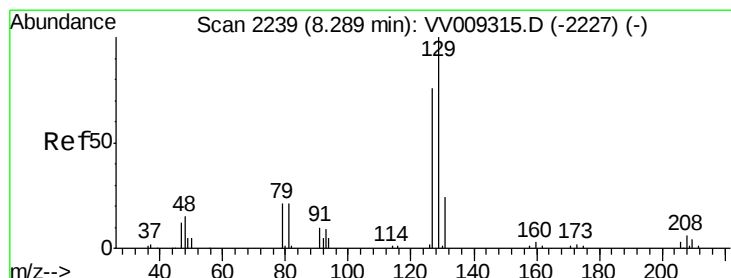
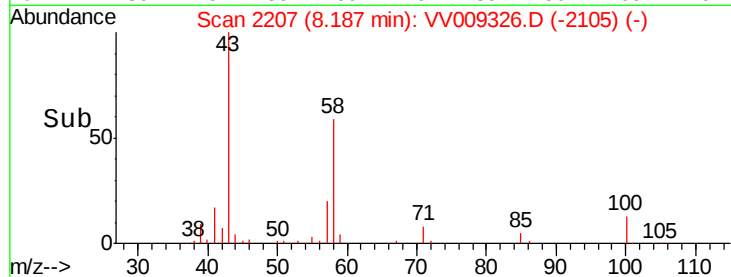
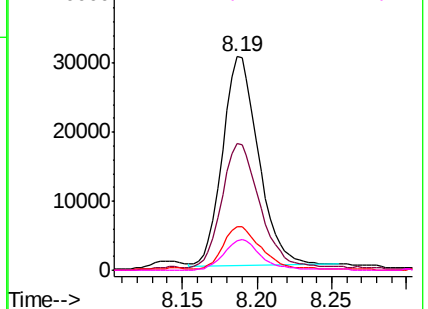
#49
2-Hexanone
Concen: 47.362 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

Tgt Ion: 43 Resp: 50803
Ion Ratio Lower Upper
43 100
58 63.4 46.8 70.2
57 21.4 14.2 21.2#
100 15.2 11.0 16.6

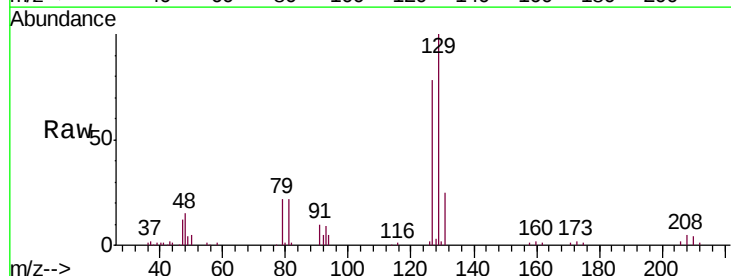


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

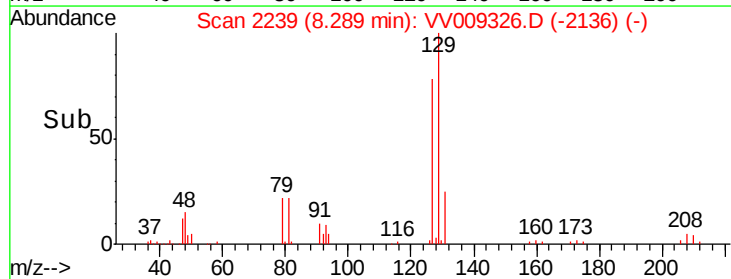
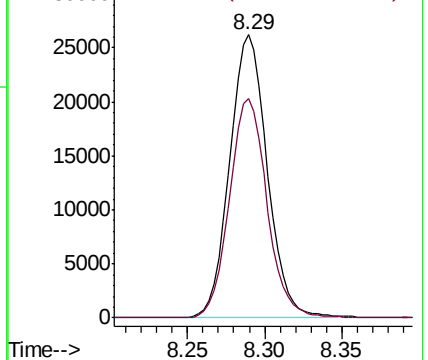


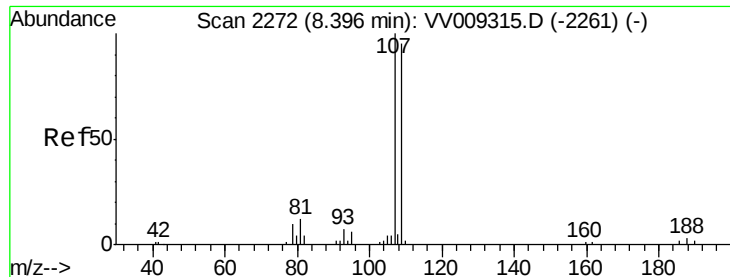
#50
Dibromochloromethane
Concen: 24.724 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009326.D
Acq: 21 Feb 2019 16:02

Tgt Ion: 129 Resp: 44108
Ion Ratio Lower Upper
129 100
127 77.6 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V





#51

1,2-Dibromoethane

Concen: 24.878 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

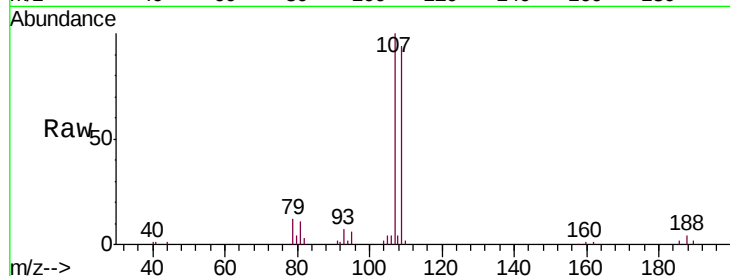
Tgt Ion:107 Resp: 36918

Ion Ratio Lower Upper

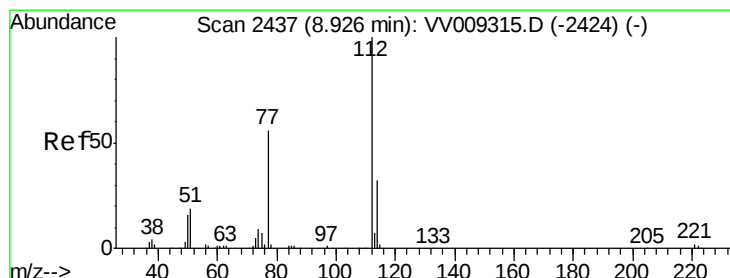
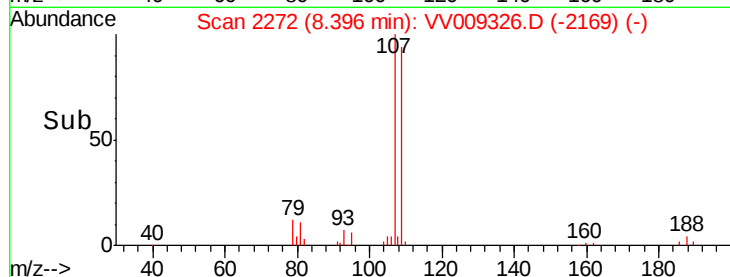
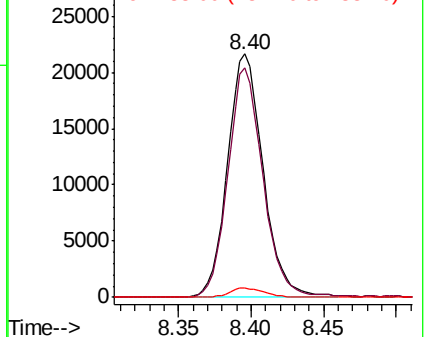
107 100

109 94.1 64.5 119.9

188 4.0 2.8 4.2



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 26.609 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

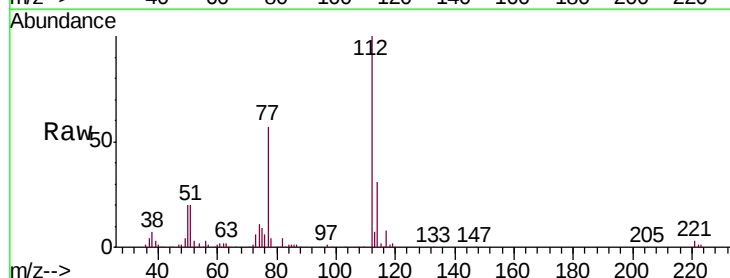
Tgt Ion:112 Resp: 131551

Ion Ratio Lower Upper

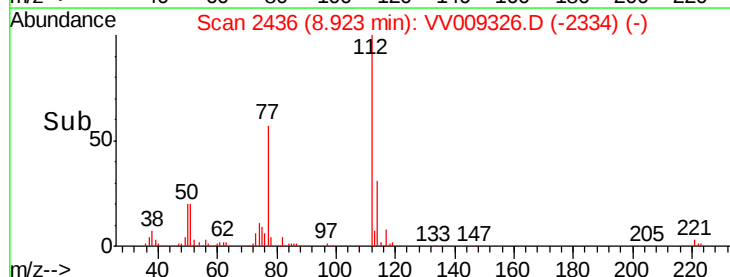
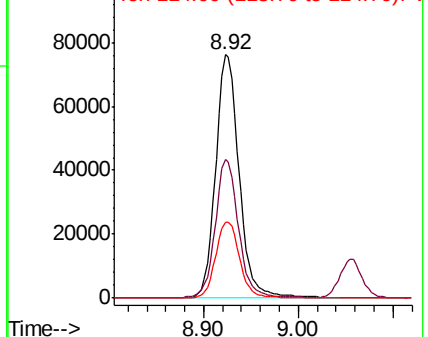
112 100

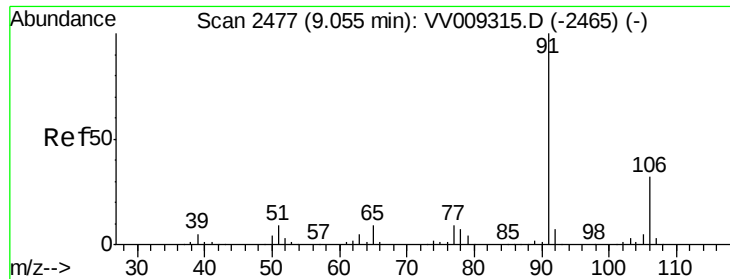
77 57.1 45.0 67.4

114 31.2 22.0 41.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 26.837 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

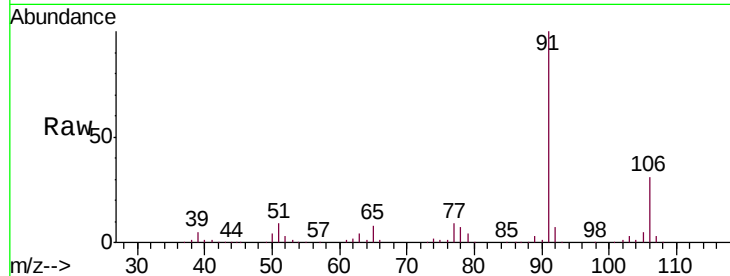
VSTD02576

Tgt Ion: 91 Resp: 230189

Ion Ratio Lower Upper

91 100

106 30.8 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VV009315.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV009315.D (-2465) (-)

150000

100000

50000

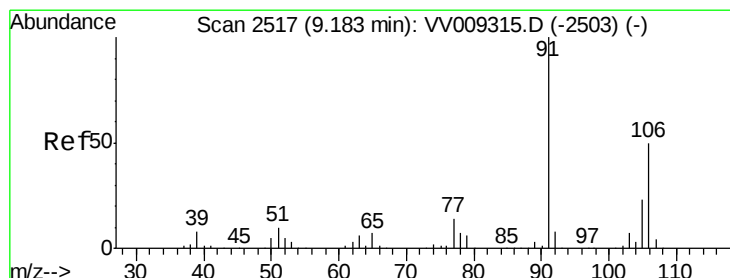
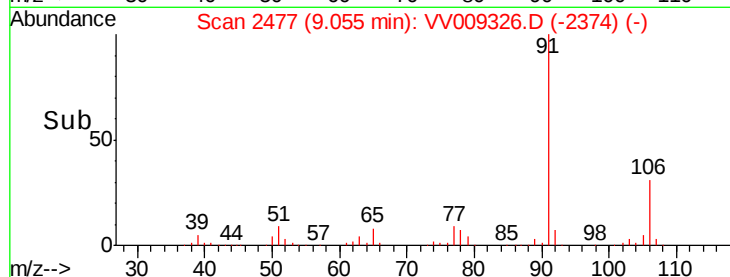
0

9.05

9.10

9.15

Time-->



#54

m,p-Xylene

Concen: 26.775 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009326.D

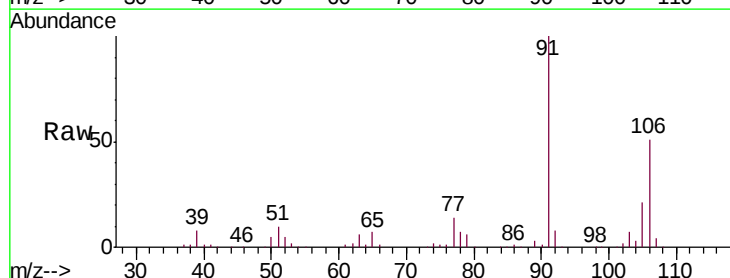
Acq: 21 Feb 2019 16:02

Tgt Ion: 106 Resp: 89613

Ion Ratio Lower Upper

106 100

91 197.9 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): VV009315.D (-2503) (-)

Ion 91.00 (90.70 to 91.70): VV009315.D (-2503) (-)

120000

100000

80000

60000

40000

20000

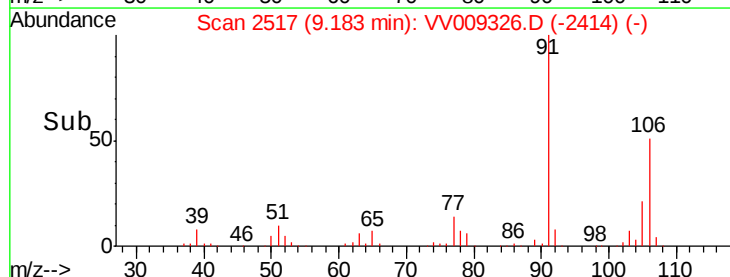
0

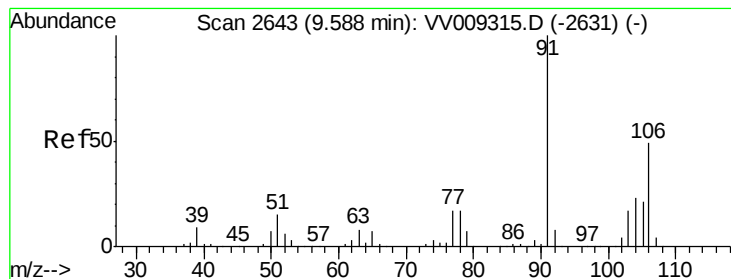
9.18

9.20

9.25

Time-->





#55

o-xylene

Concen: 27.654 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

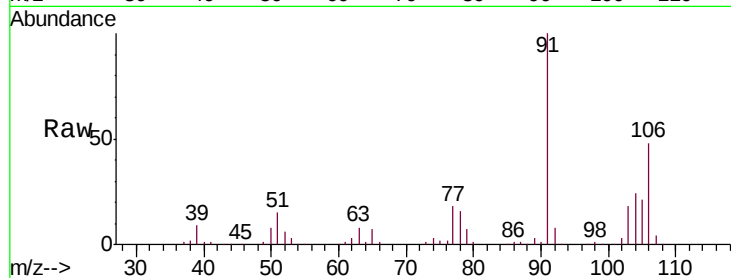
VSTD02576

Tgt Ion:106 Resp: 86875

Ion Ratio Lower Upper

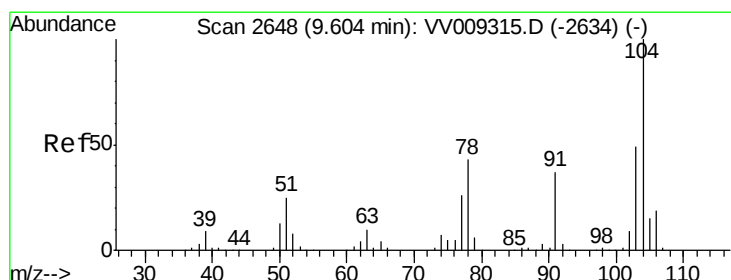
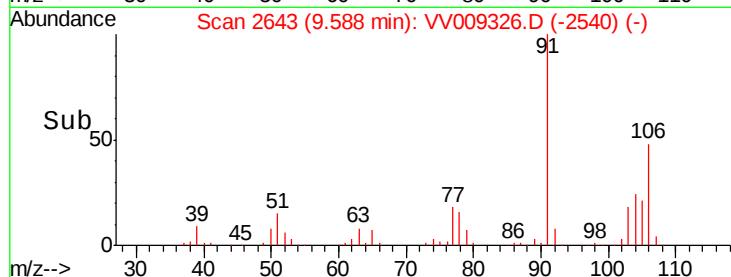
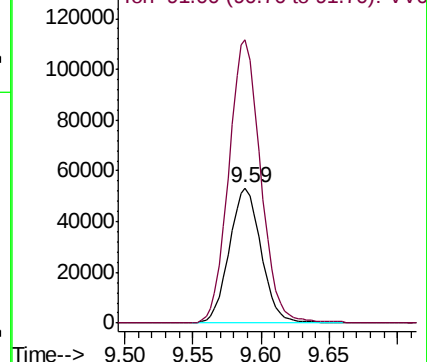
106 100

91 209.6 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 27.496 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009326.D

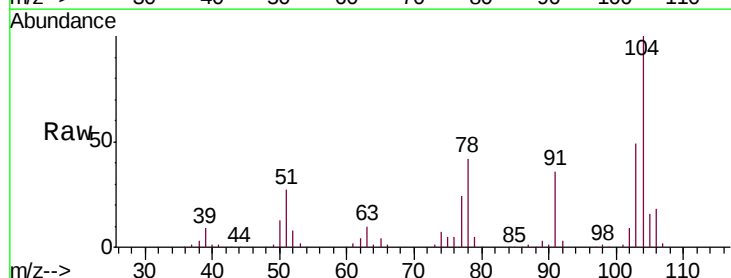
Acq: 21 Feb 2019 16:02

Tgt Ion:104 Resp: 148234

Ion Ratio Lower Upper

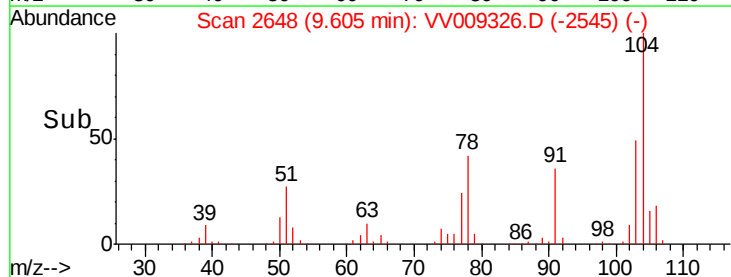
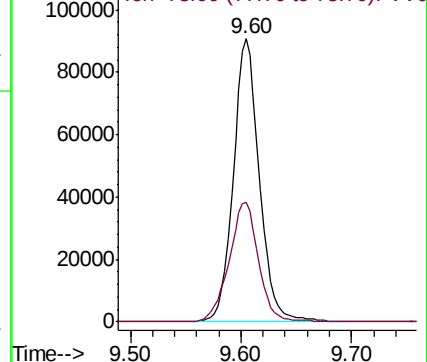
104 100

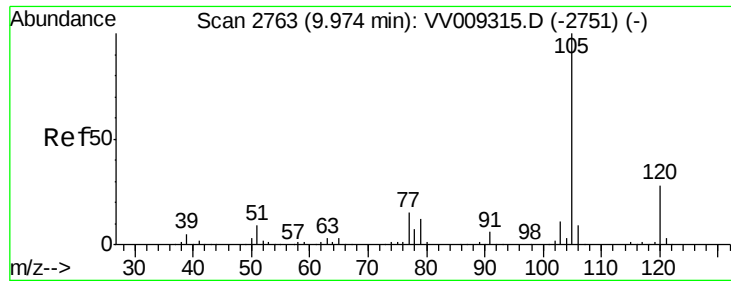
78 42.1 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 27.241 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

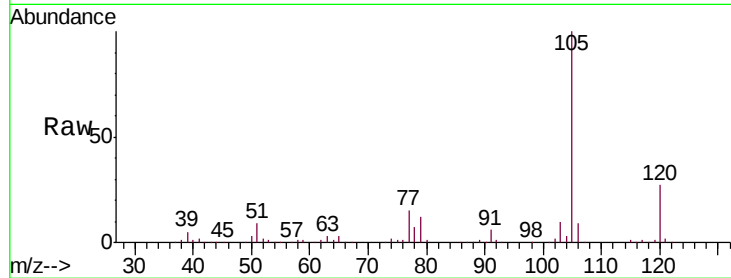
Tgt Ion: 105 Resp: 236901

Ion Ratio Lower Upper

105 100

120 27.6 21.7 32.5

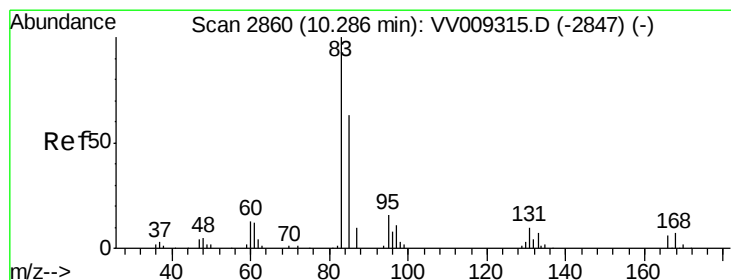
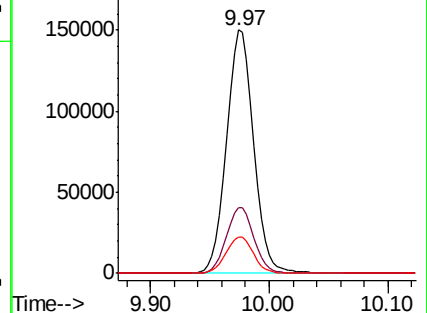
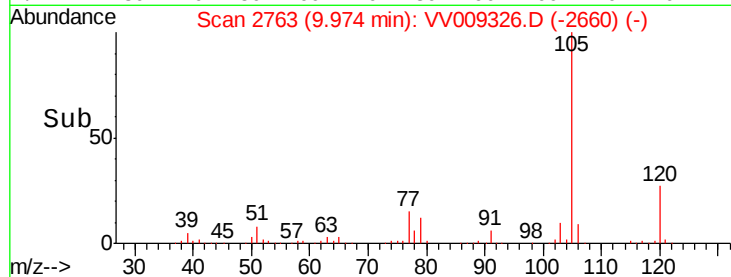
77 15.2 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 24.620 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

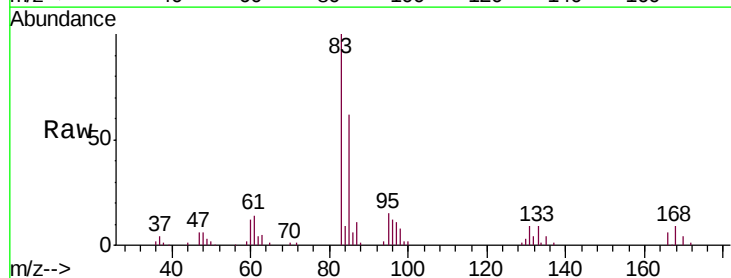
Tgt Ion: 83 Resp: 51403

Ion Ratio Lower Upper

83 100

85 61.6 44.7 83.1

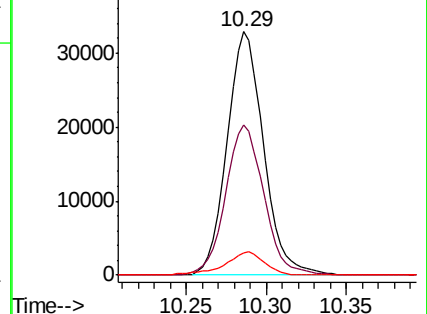
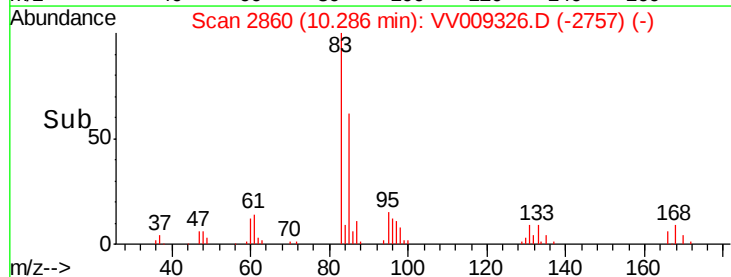
131 9.4 8.1 12.1

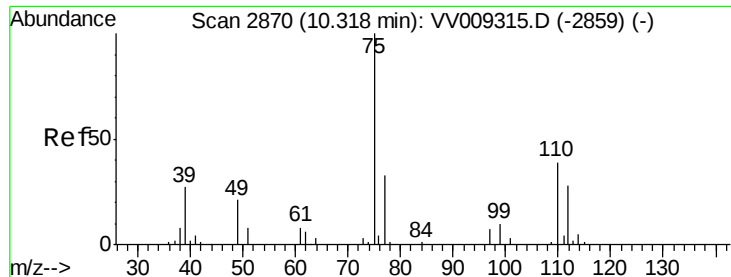


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

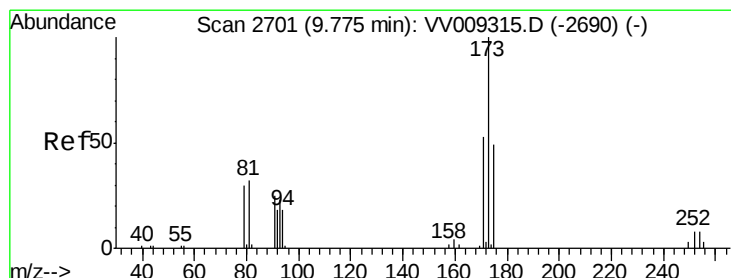
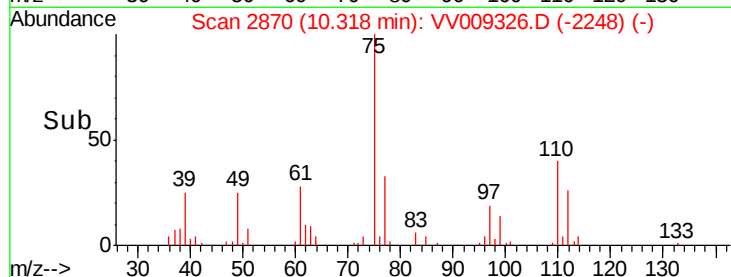
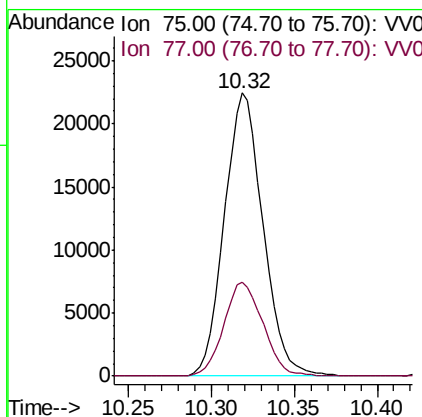
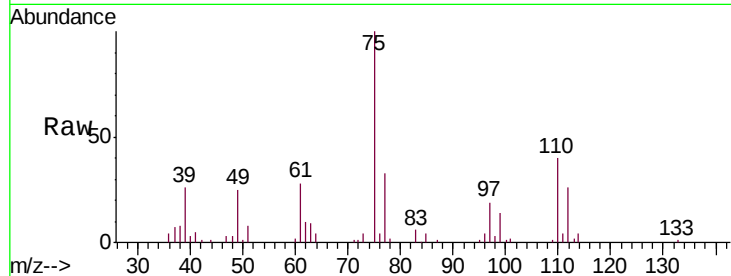




#59
 1,2,3-Trichloropropane
 Concen: 24.315 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

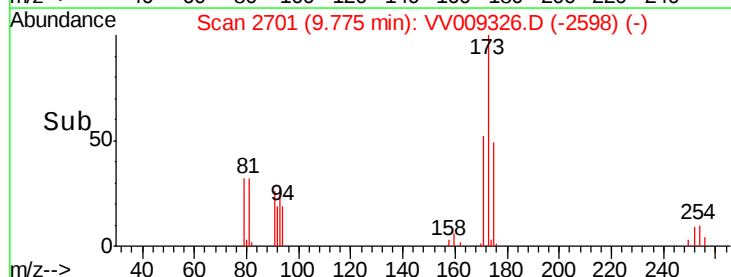
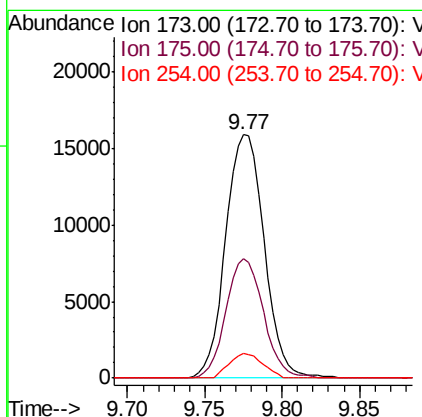
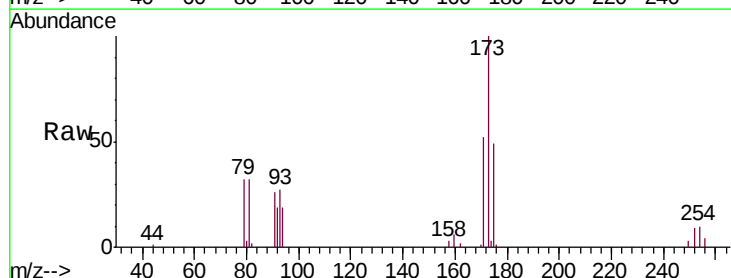
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

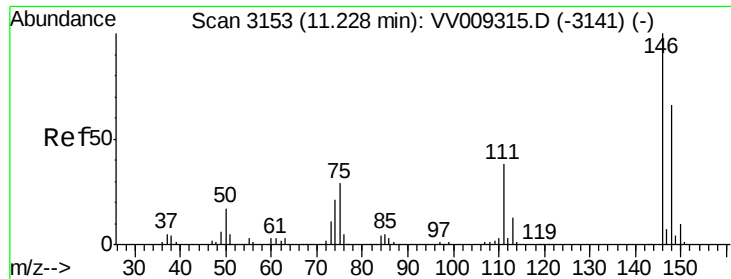
Tgt Ion: 75 Resp: 36379
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.3 39.5



#62
 Bromoform
 Concen: 23.735 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

Tgt Ion: 173 Resp: 27597
 Ion Ratio Lower Upper
 173 100
 175 47.6 39.1 58.7
 254 8.8 5.7 8.5#

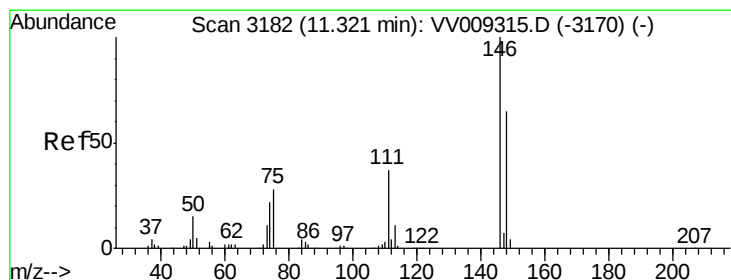
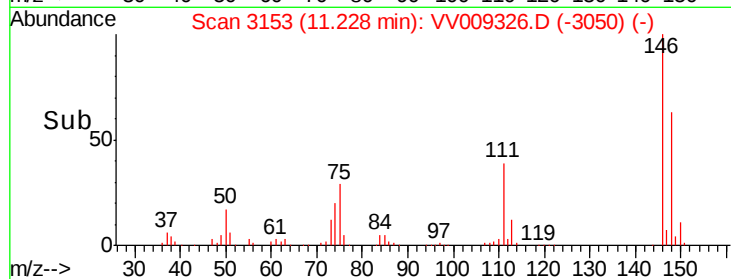
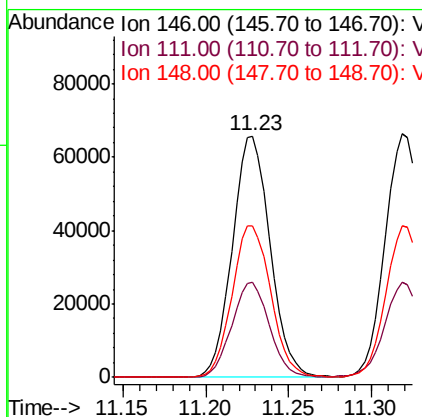
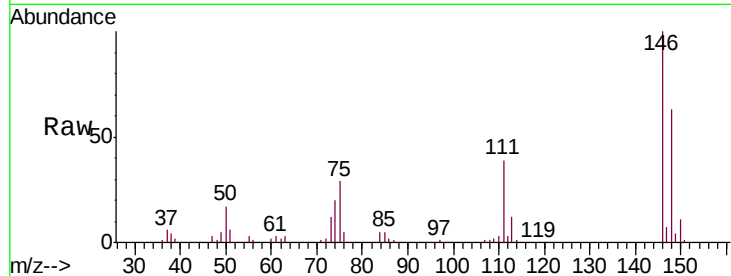




#63
 1,3-Dichlorobenzene
 Concen: 25.802 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

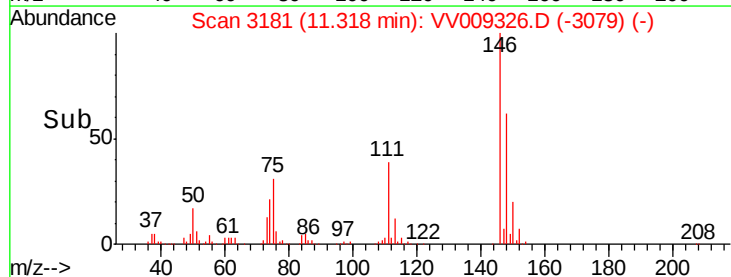
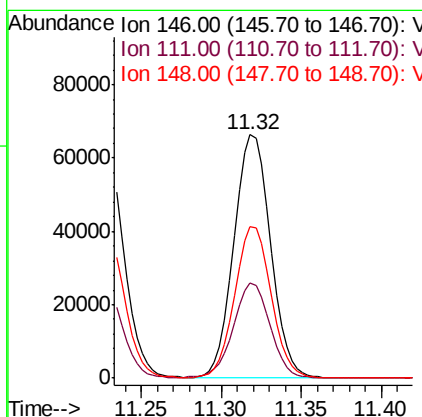
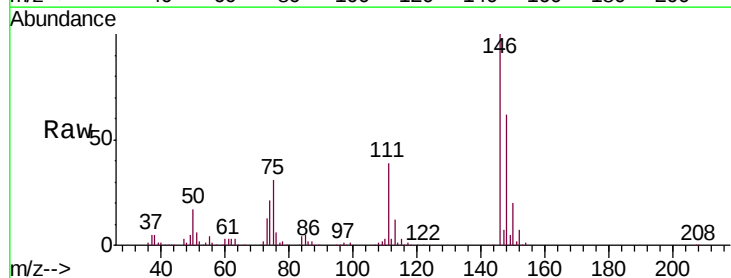
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

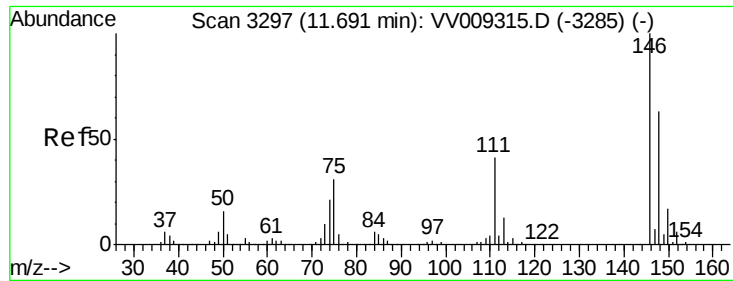
Tgt Ion:146 Resp: 104239
 Ion Ratio Lower Upper
 146 100
 111 39.2 27.6 51.4
 148 62.5 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 25.748 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

Tgt Ion:146 Resp: 103687
 Ion Ratio Lower Upper
 146 100
 111 38.8 26.9 50.1
 148 62.3 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 25.518 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

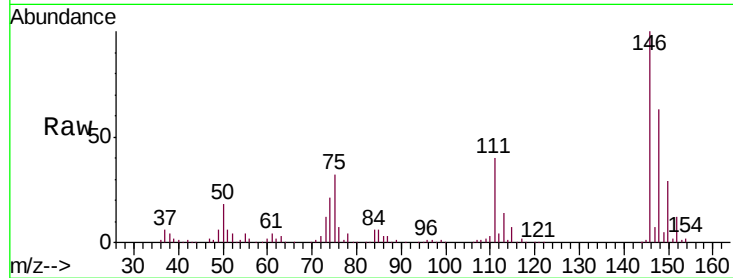
Tgt Ion:146 Resp: 96663

Ion Ratio Lower Upper

146 100

111 40.5 32.6 48.8

148 63.0 51.1 76.7

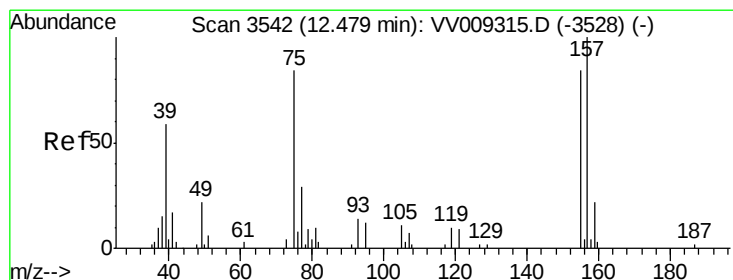
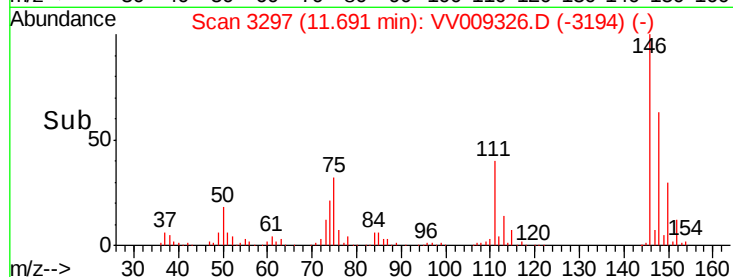
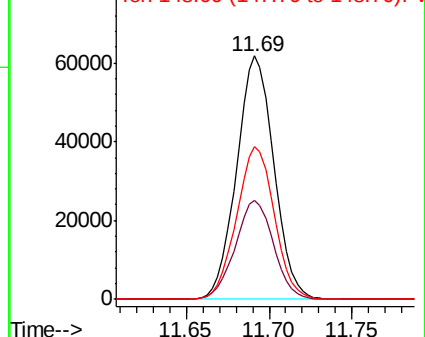


Abundance

Ion 146.00 (145.70 to 146.70): 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: 20.243 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

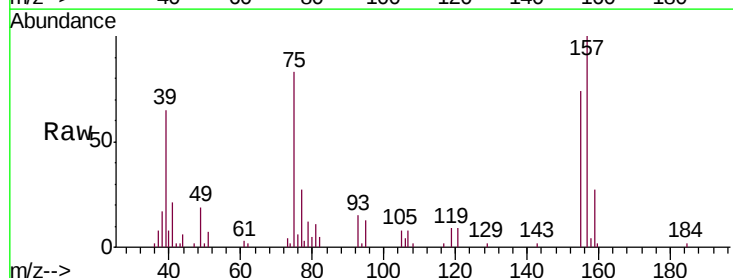
Tgt Ion: 75 Resp: 8516

Ion Ratio Lower Upper

75 100

157 120.7 88.6 133.0

155 88.8 66.6 100.0

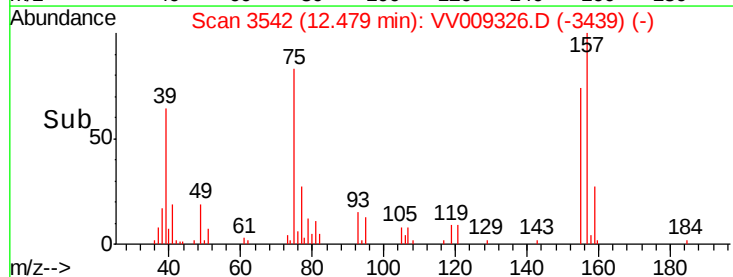
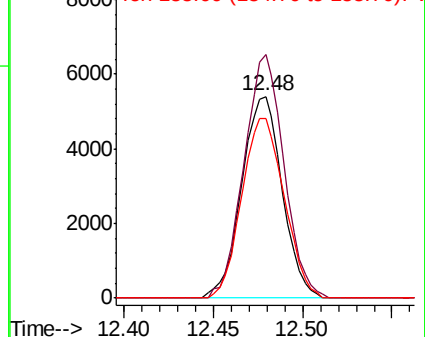


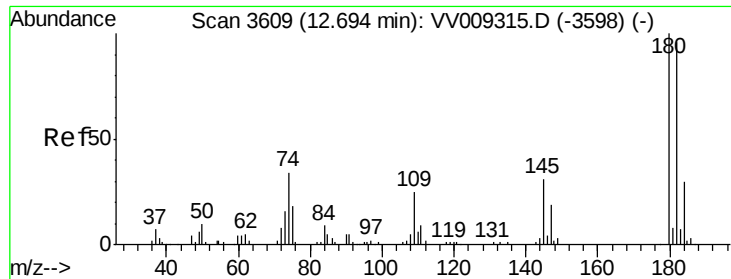
Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

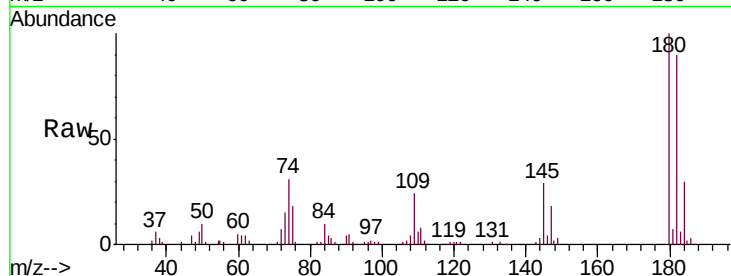




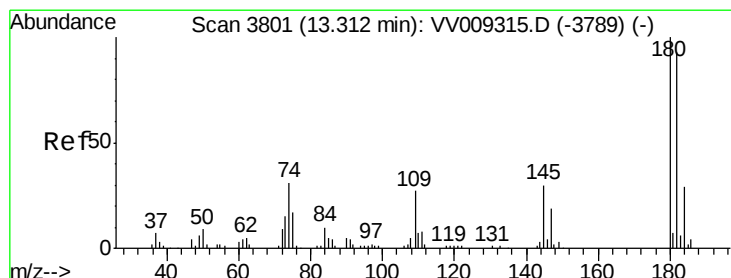
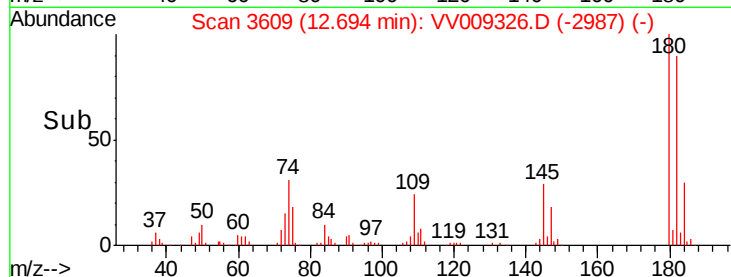
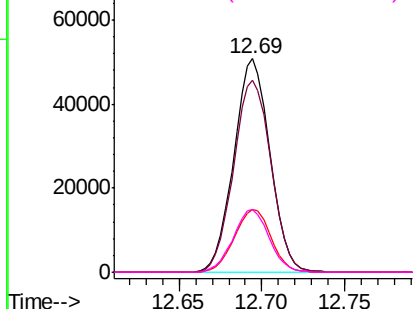
#67
 1,3,5-Trichlorobenzene
 Concen: 26.399 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Tgt Ion:180 Resp: 77174
 Ion Ratio Lower Upper
 180 100
 182 93.1 77.4 116.2
 184 29.8 24.9 37.3
 145 29.2 24.3 36.5

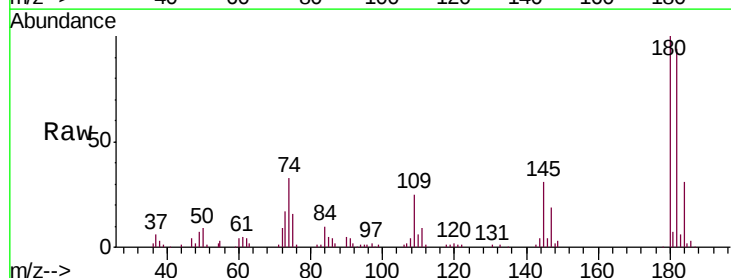


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

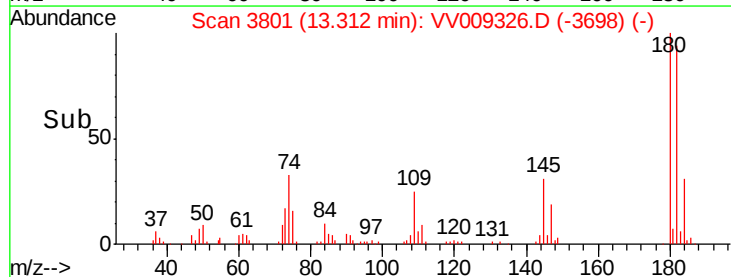
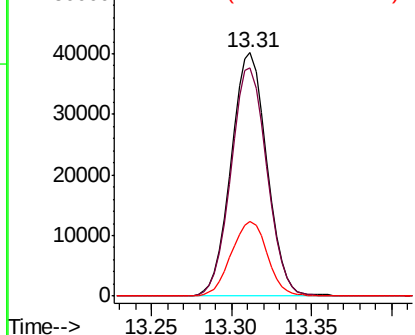


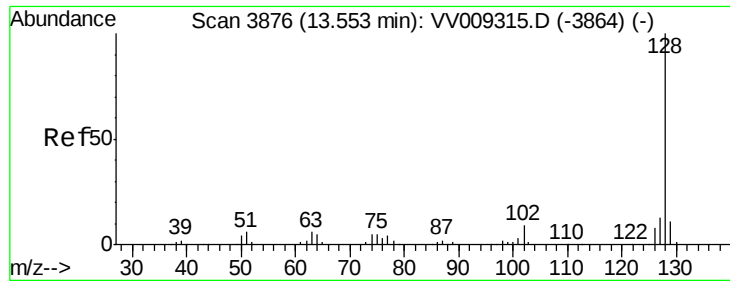
#68
 1,2,4-trichlorobenzene
 Concen: 25.621 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009326.D
 Acq: 21 Feb 2019 16:02

Tgt Ion:180 Resp: 61112
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.7 115.1
 145 30.8 25.1 37.7



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





#69

Naphthalene

Concen: 23.554 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

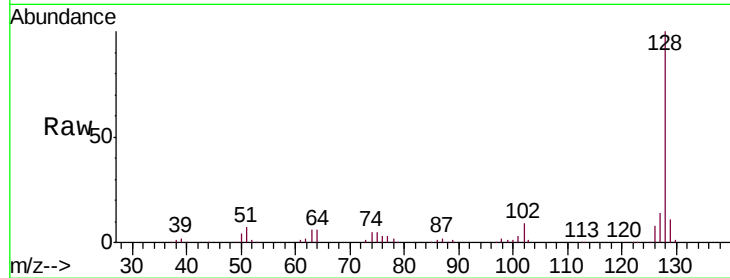
Tgt Ion:128 Resp: 120420

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

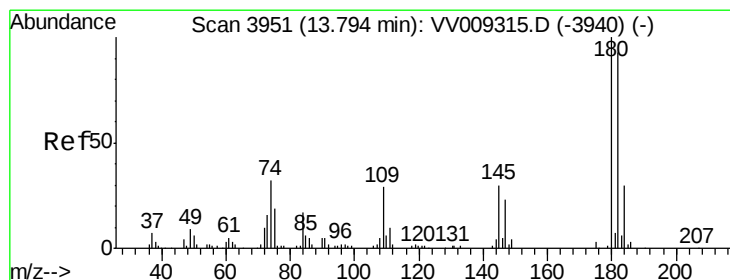
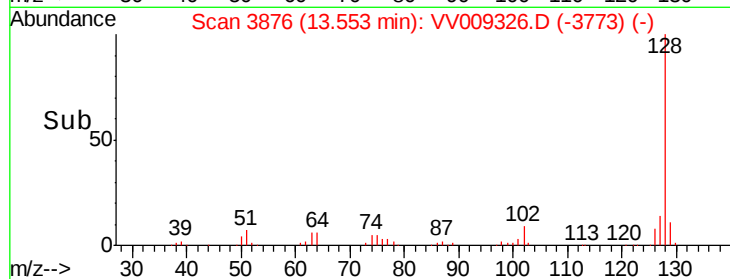
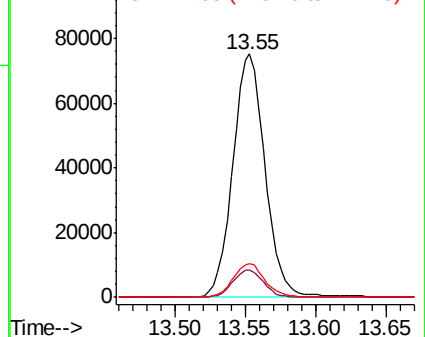
127 13.6 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.693 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009326.D

Acq: 21 Feb 2019 16:02

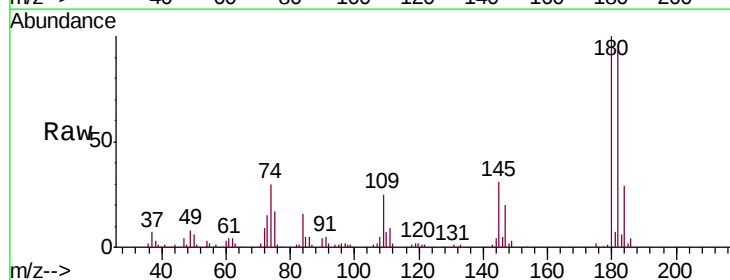
Tgt Ion:180 Resp: 56557

Ion Ratio Lower Upper

180 100

182 93.2 73.6 110.4

145 31.9 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

