

Data File : VV012648.D
Acq On : 10 Sep 2019 10:28
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

Quant Time: Sep 11 05:21:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 10 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	455098	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	437640	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	225461	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	117969	3.82	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.40%
7) Chloroethane-d5	1.58	69	104964	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.20%
11) 1,1-Dichloroethene-d2	2.13	63	213751	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.80%
20) 2-Butanone-d5	3.96	46	341652	45.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.98%
24) Chloroform-d	4.40	84	243119	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.60%
26) 1,2-Dichloroethane-d4	5.08	65	116257	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
32) Benzene-d6	5.09	84	448728	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.12	67	144254	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.36	98	409627	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.66	79	50618	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.13	63	204890	47.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.82%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	108629	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	159603	4.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	194062	5.056 ug/L	99
3) Chloromethane	1.25	50	187254	4.832 ug/L	100
5) Vinyl chloride	1.32	62	192355	4.864 ug/L	98
6) Bromomethane	1.53	94	104441	4.817 ug/L	99
8) Chloroethane	1.60	64	113804	4.867 ug/L	98
9) Trichlorofluoromethane	1.77	101	253184	5.103 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	150717	5.078 ug/L	99
12) 1,1-Dichloroethene	2.14	96	139545	4.936 ug/L	92
13) Acetone	2.23	43	223781	51.393 ug/L	96
14) Carbon disulfide	2.31	76	368387	4.845 ug/L	99
15) Methyl Acetate	2.47	43	57145	4.878 ug/L	99
16) Methylene chloride	2.53	84	149881	4.337 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	331624	5.000 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	159261	5.011 ug/L	98
19) 1,1-Dichloroethane	3.22	63	301769	5.044 ug/L	98
21) 2-Butanone	4.05	43	399091	53.447 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	168709	4.886 ug/L	100

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MSVOA_V
ClientSampleId :
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Quant Time: Sep 11 05:21:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 10 09:27:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	73083	4.953	ug/L	98
25) Chloroform	4.42	83	308246	4.678	ug/L	99
27) 1,2-Dichloroethane	5.18	62	170813	4.945	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	243055	5.046	ug/L	98
30) Cyclohexane	4.72	56	247227	5.155	ug/L	99
31) Carbon tetrachloride	4.87	117	217784	5.133	ug/L	98
33) Benzene	5.14	78	663907	5.190	ug/L	100
34) Trichloroethene	5.95	95	175575	4.967	ug/L	99
35) Methylcyclohexane	6.17	83	260370	5.212	ug/L	99
37) 1,2-Dichloropropane	6.22	63	163825	5.143	ug/L	100
38) Bromodichloromethane	6.55	83	205582	4.983	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	214674	5.136	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	950656	53.829	ug/L	99
42) Toluene	7.43	91	705212	5.307	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	164294	5.213	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	114631	5.166	ug/L	98
47) Tetrachloroethene	8.02	164	139300	5.021	ug/L	97
48) 2-Hexanone	8.19	43	702686	55.606	ug/L	99
49) Dibromochloromethane	8.29	129	132927	5.037	ug/L	97
50) 1,2-Dibromoethane	8.40	107	100016	5.086	ug/L	100
51) Chlorobenzene	8.92	112	446625	5.113	ug/L	99
52) Ethylbenzene	9.05	91	745980	5.220	ug/L	99
53) m,p-xylene	9.18	106	284612	5.268	ug/L	99
54) o-xylene	9.59	106	273997	5.295	ug/L	97
55) Styrene	9.60	104	472853	5.495	ug/L	100
56) Isopropylbenzene	9.97	105	736764	5.375	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	114046	5.156	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	94557	5.032	ug/L	98
61) Bromoform	9.77	173	69969	4.655	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	358114	5.127	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	357910	5.076	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	325560	4.950	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	16590	4.841	ug/L	93
67) 1,3,5-Trichlorobenzene	12.69	180	263888	4.988	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	203578	4.861	ug/L	99
69) Naphthalene	13.55	128	296409	4.681	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	198731	5.032	ug/L	98

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

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```
ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

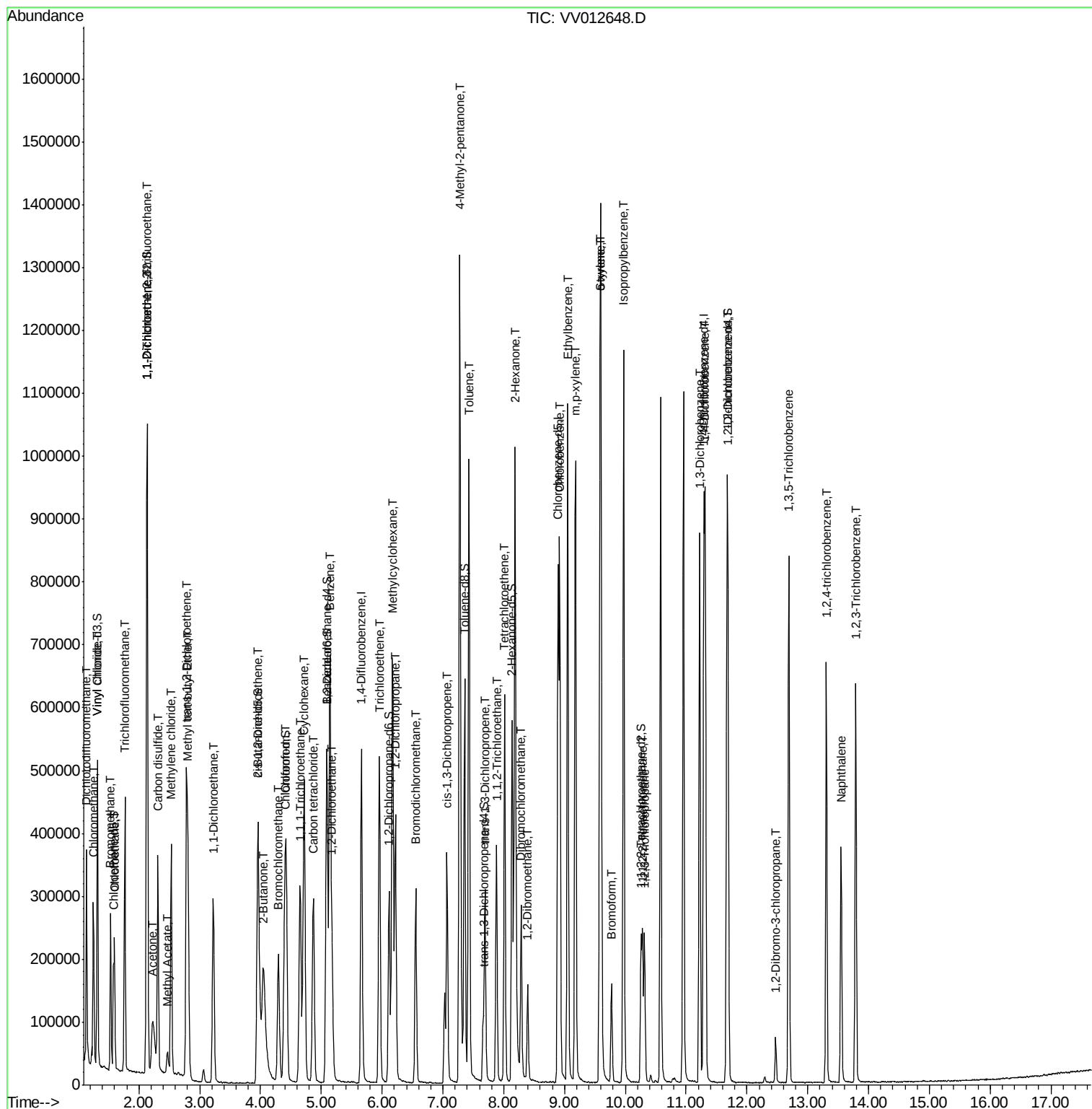
Quant Time: Sep 11 05:21:14 2019

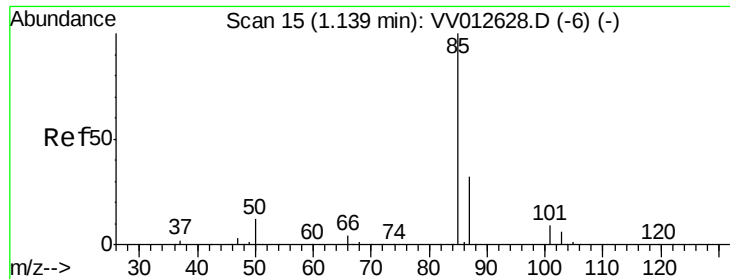
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR090919WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Tue Sep 10 09:27:53 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.056 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

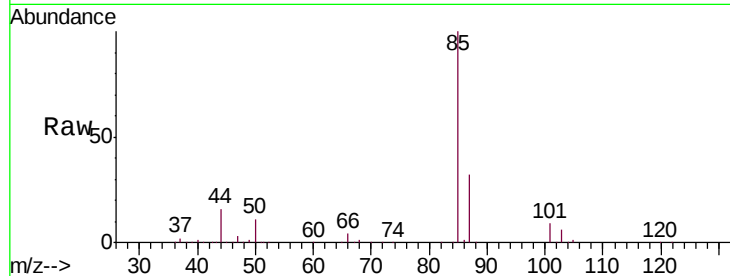
VSTD00548

Tgt Ion: 85 Resp: 194062

Ion Ratio Lower Upper

85 100

87 31.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

200000

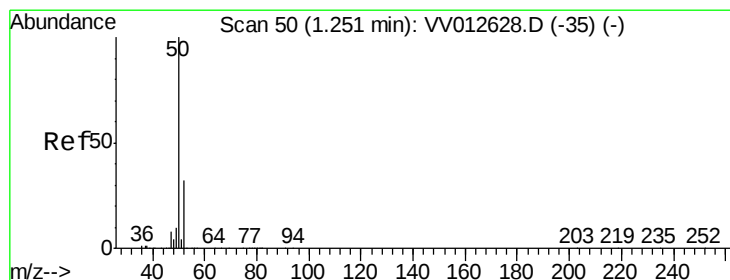
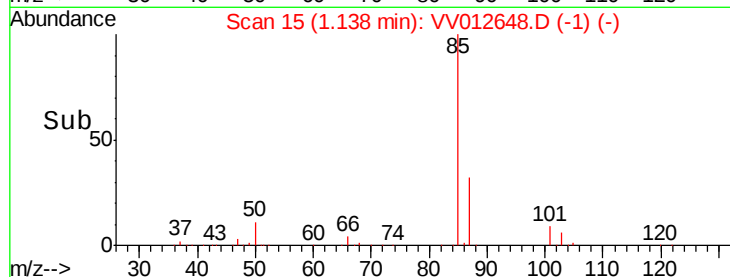
150000

100000

50000

0

Time--> 1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 4.832 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012648.D

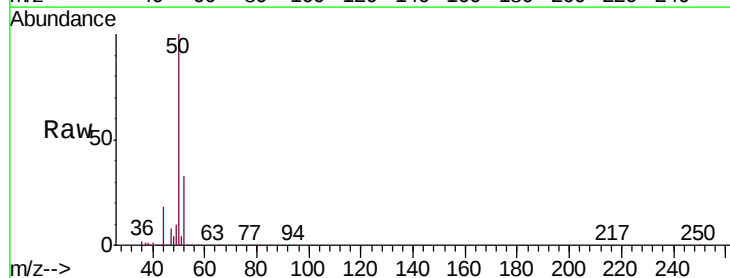
Acq: 10 Sep 2019 10:28

Tgt Ion: 50 Resp: 187254

Ion Ratio Lower Upper

50 100

52 32.7 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

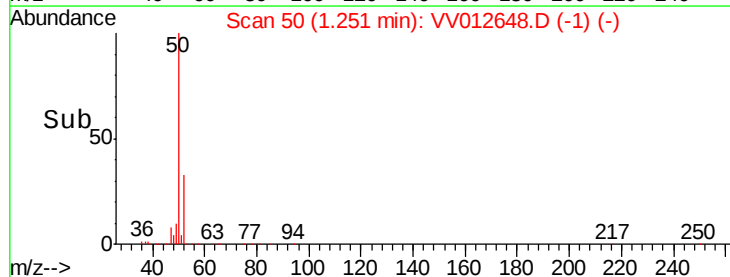
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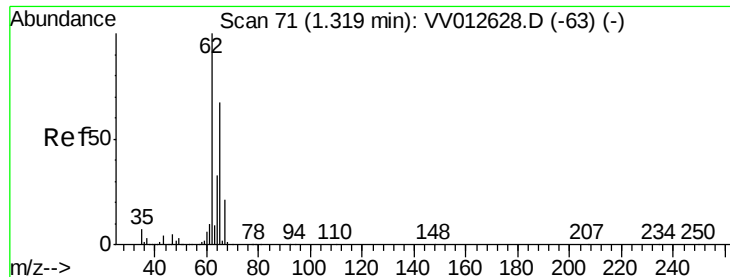
100000

50000

0

Time--> 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 4.864 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

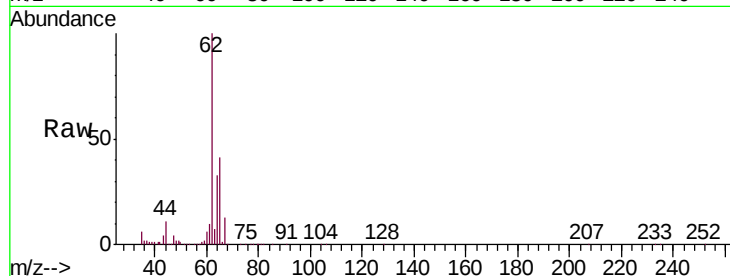
VSTD00548

Tgt Ion: 62 Resp: 192355

Ion Ratio Lower Upper

62 100

64 32.5 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

200000

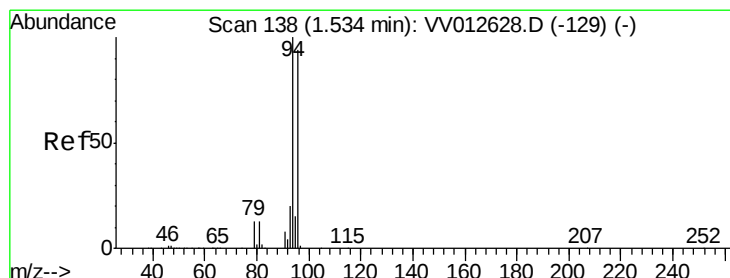
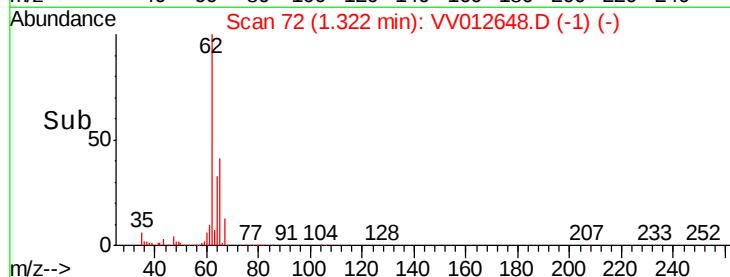
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.817 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012648.D

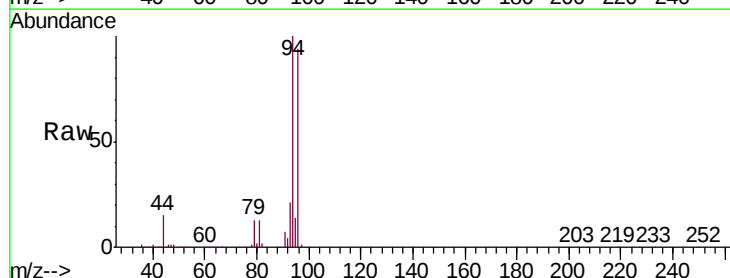
Acq: 10 Sep 2019 10:28

Tgt Ion: 94 Resp: 104441

Ion Ratio Lower Upper

94 100

96 93.9 65.0 120.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

100000

80000

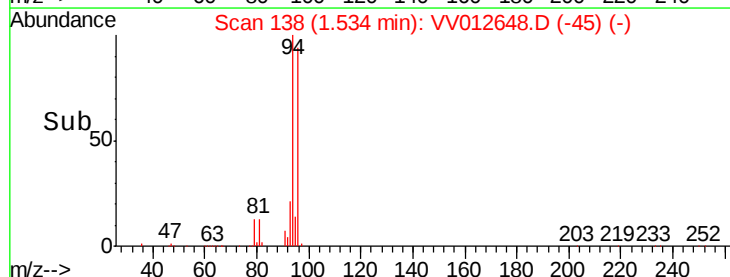
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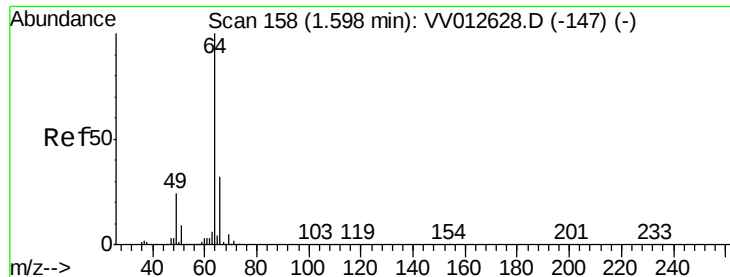
40000

20000

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Time--> 1.45 1.50 1.55 1.60

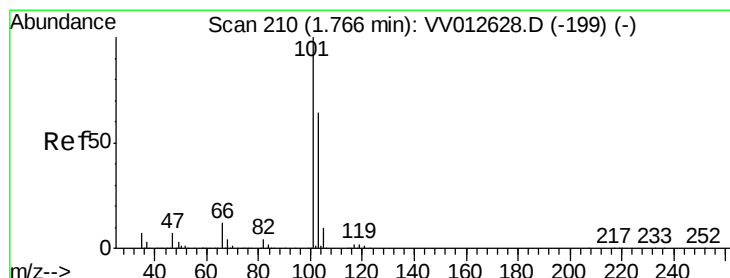
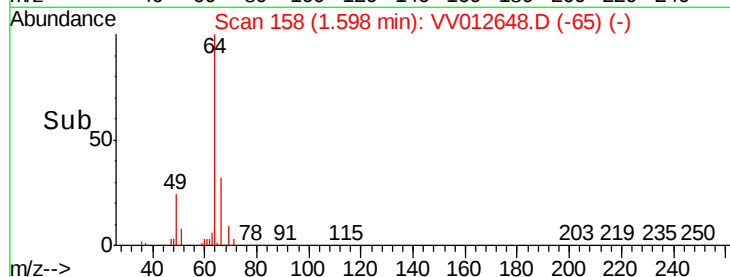
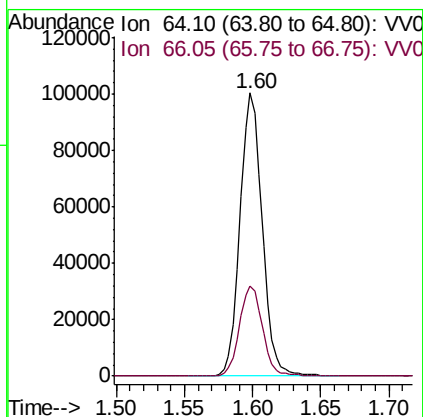
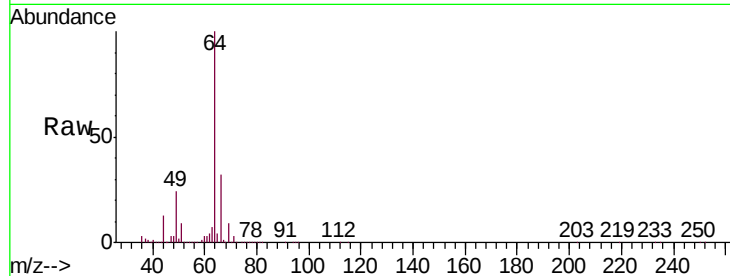




#8
Chloroethane
Concen: 4.867 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012648.D
Acq: 10 Sep 2019 10:28

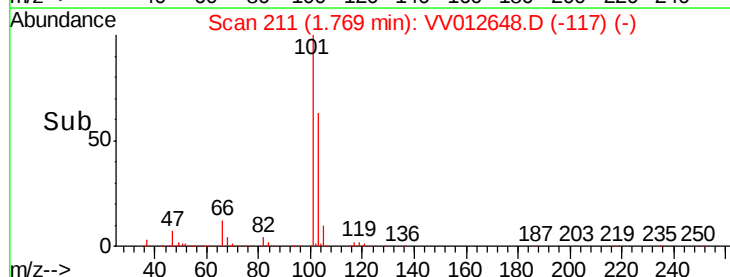
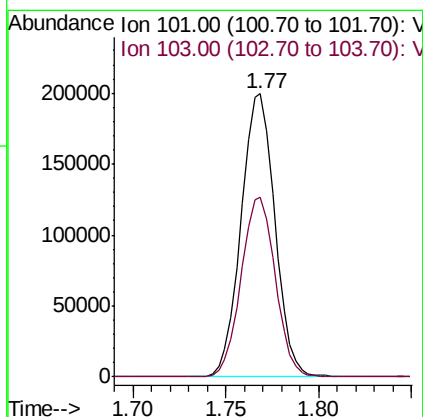
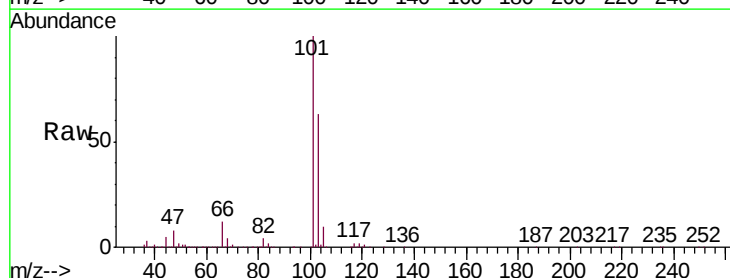
Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

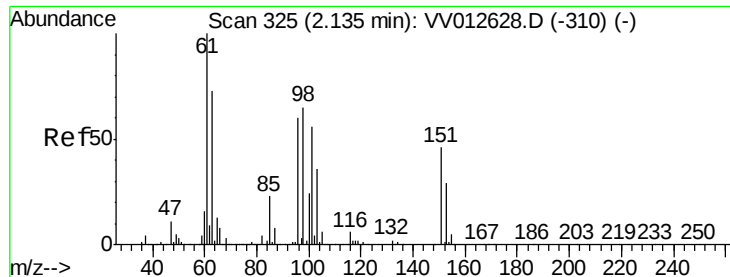
Tgt Ion: 64 Resp: 113804
Ion Ratio Lower Upper
64 100
66 32.1 21.6 40.0



#9
Trichlorofluoromethane
Concen: 5.103 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV012648.D
Acq: 10 Sep 2019 10:28

Tgt Ion: 101 Resp: 253184
Ion Ratio Lower Upper
101 100
103 64.3 52.9 79.3





#10

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

Concen: 5.078 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

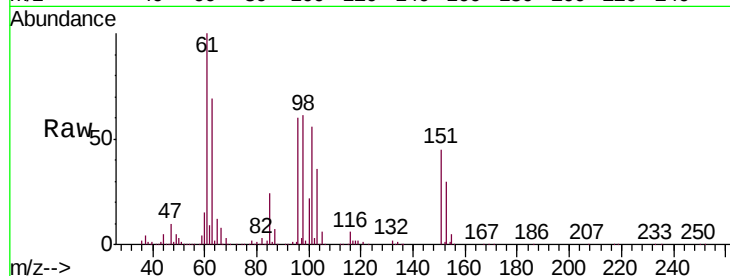
Tgt Ion: 101 Resp: 150717

Ion Ratio Lower Upper

101 100

85 42.1 33.0 49.6

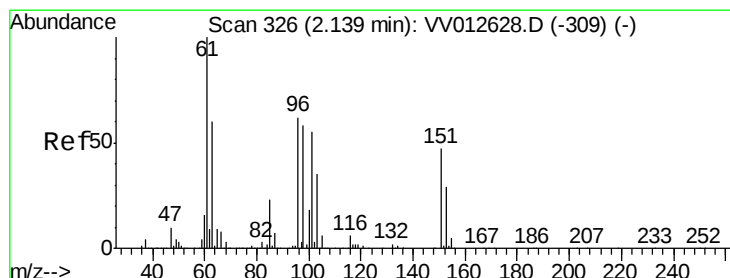
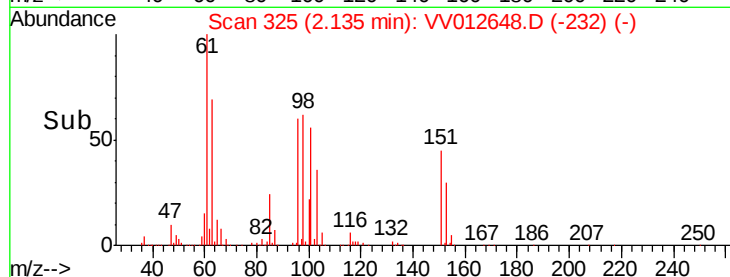
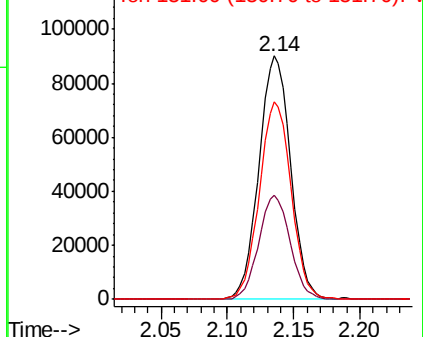
151 81.6 65.8 98.8



Abundance Ion 101.00 (100.70 to 101.70): VV012628.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV012628.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV012628.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 4.936 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

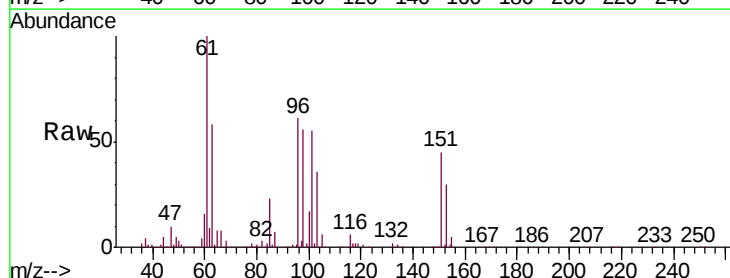
Tgt Ion: 96 Resp: 139545

Ion Ratio Lower Upper

96 100

61 163.0 115.8 215.0

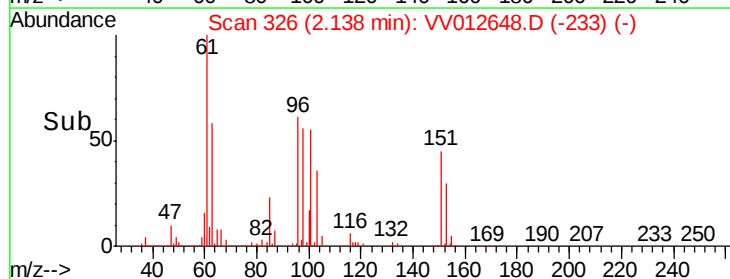
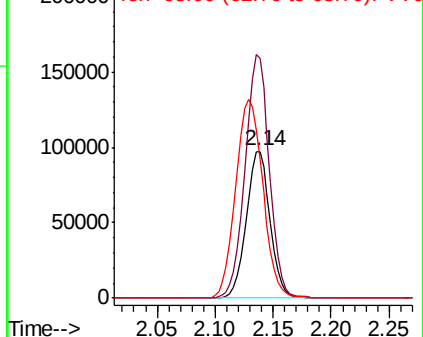
63 94.1 79.4 147.4

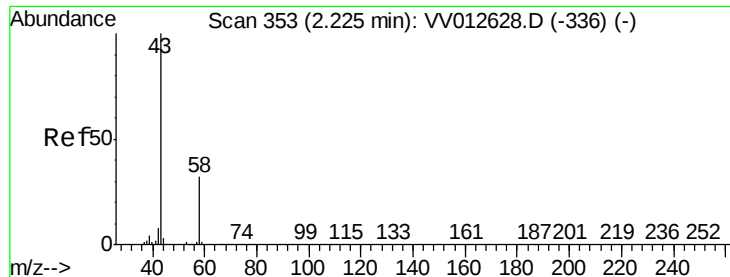


Abundance Ion 96.00 (95.70 to 96.70): VV012628.D (-309) (-)

Ion 61.05 (60.75 to 61.75): VV012628.D (-309) (-)

Ion 63.00 (62.70 to 63.70): VV012628.D (-309) (-)





#13

Acetone

Concen: 51.393 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

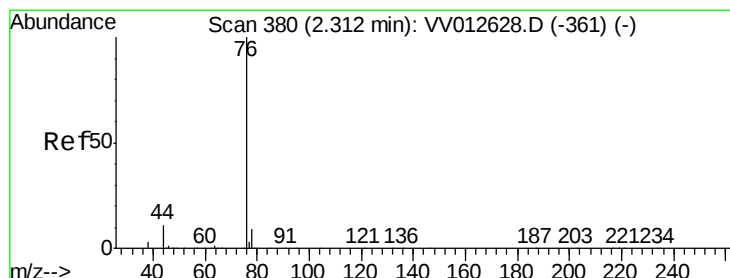
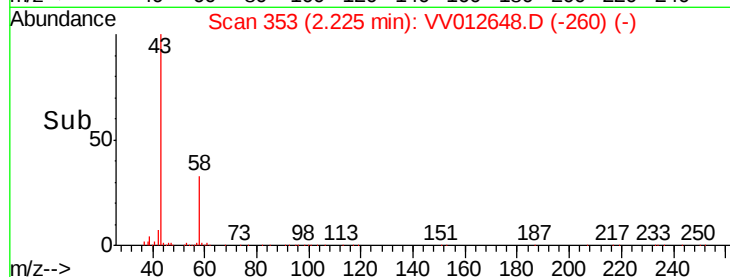
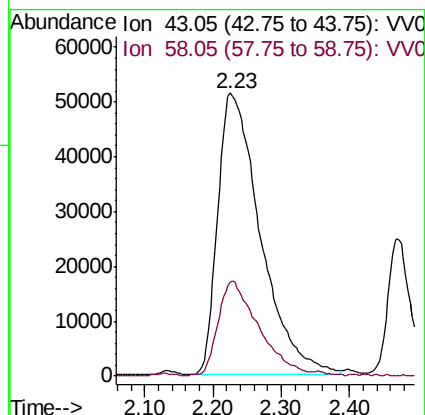
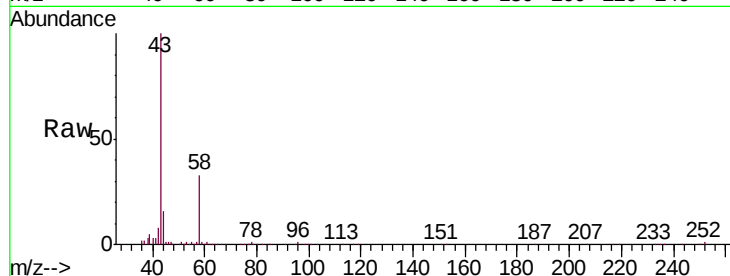
VSTD00548

Tgt Ion: 43 Resp: 223781

Ion Ratio Lower Upper

43 100

58 31.7 0.0 67.4



#14

Carbon disulfide

Concen: 4.845 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012648.D

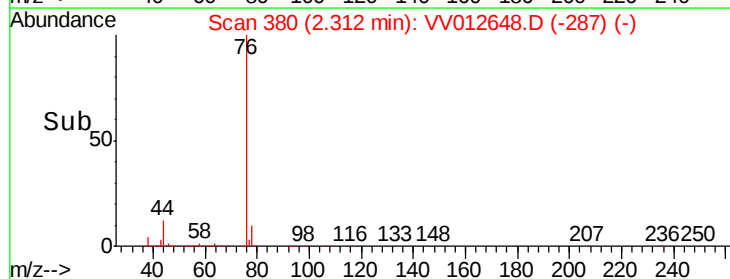
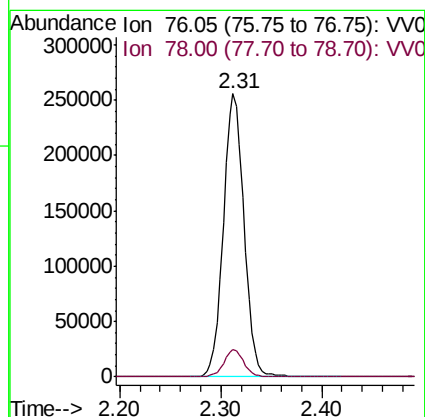
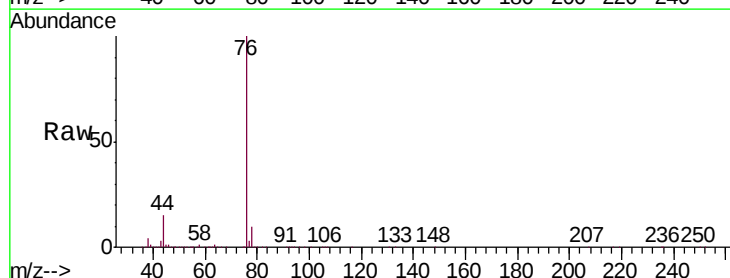
Acq: 10 Sep 2019 10:28

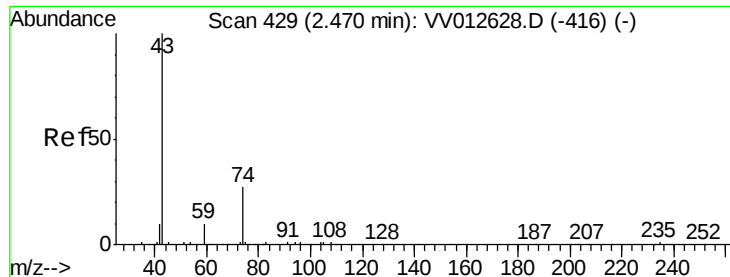
Tgt Ion: 76 Resp: 368387

Ion Ratio Lower Upper

76 100

78 9.7 7.4 11.2

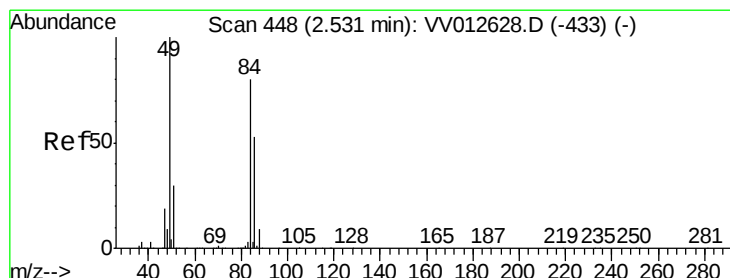
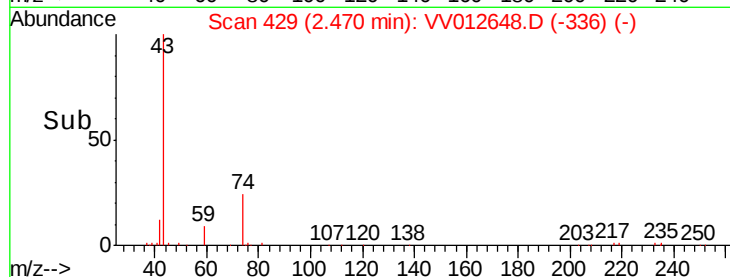
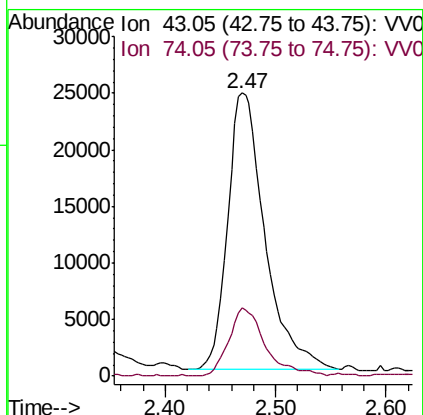
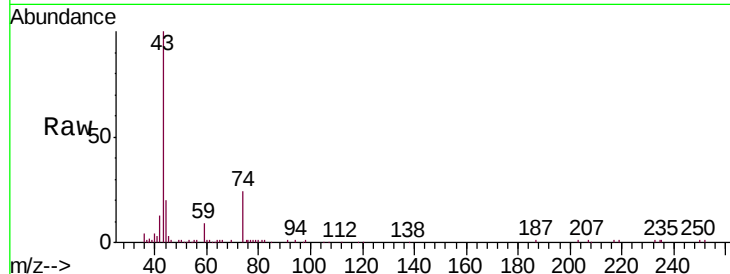




#15
Methyl Acetate
Concen: 4.878 ug/L
RT: 2.47 min Scan# 429
Delta R.T. -0.00 min
Lab File: VV012648.D
Acq: 10 Sep 2019 10:28

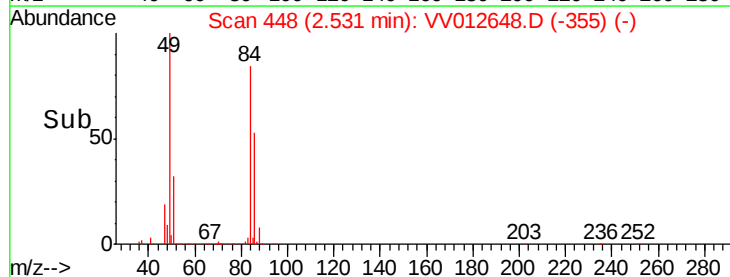
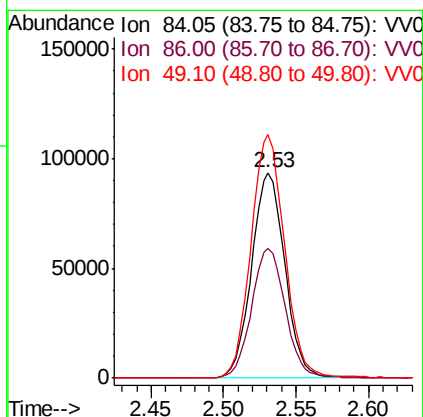
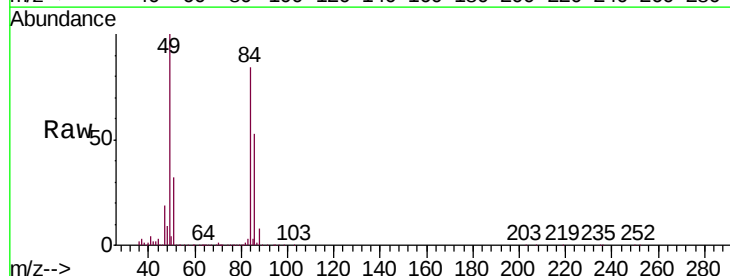
Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

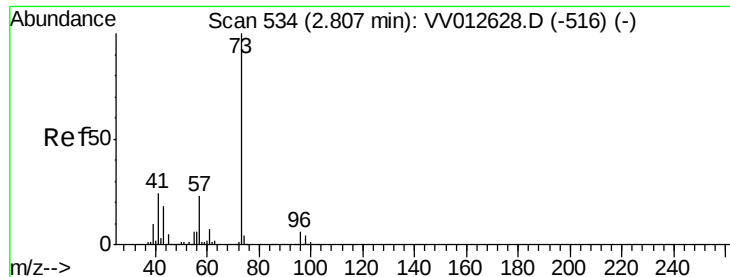
Tgt Ion: 43 Resp: 57145
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.6



#16
Methylene chloride
Concen: 4.337 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV012648.D
Acq: 10 Sep 2019 10:28

Tgt Ion: 84 Resp: 149881
Ion Ratio Lower Upper
84 100
86 63.2 46.1 85.7
49 118.5 85.3 158.3





#17

Methyl tert-butyl Ether

Concen: 5.000 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

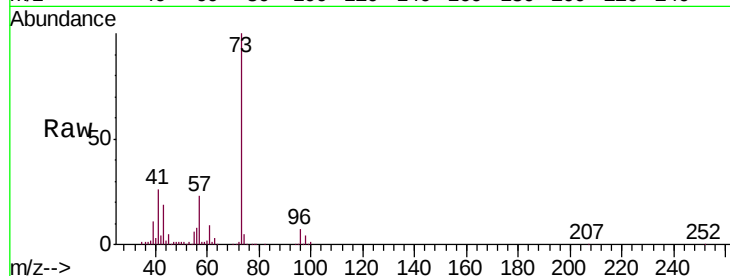
Tgt Ion: 73 Resp: 331624

Ion Ratio Lower Upper

73 100

43 18.5 14.6 21.8

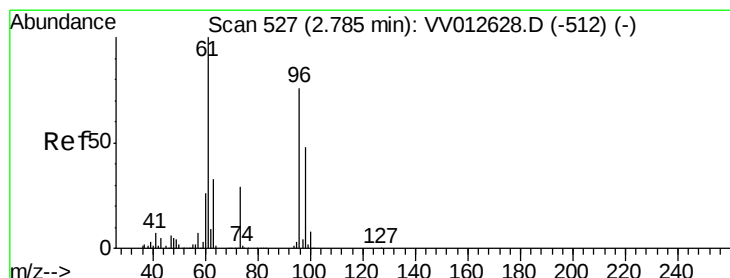
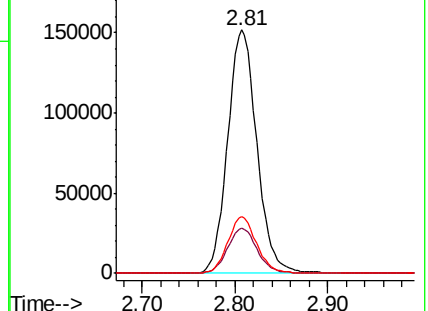
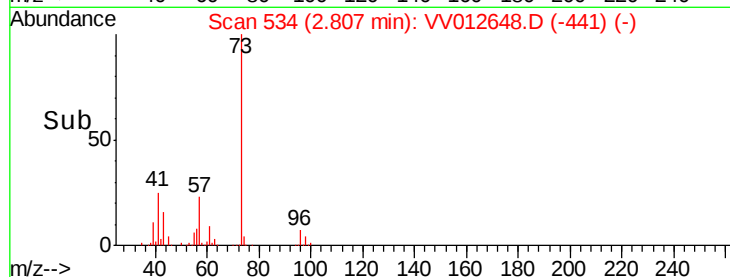
57 23.0 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VV012628.D (-516) (-)

Ion 43.05 (42.75 to 43.75): VV012628.D (-516) (-)

Ion 57.10 (56.80 to 57.80): VV012628.D (-516) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.011 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

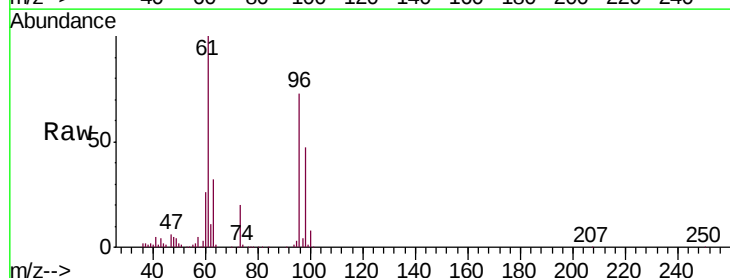
Tgt Ion: 96 Resp: 159261

Ion Ratio Lower Upper

96 100

61 137.0 93.0 172.8

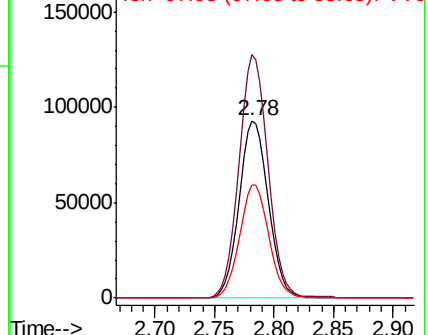
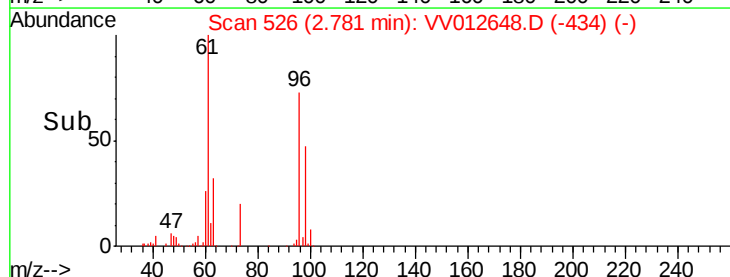
98 63.9 44.7 83.1

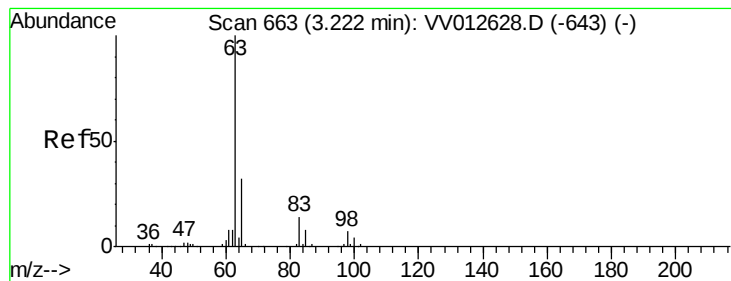


Abundance Ion 96.00 (95.70 to 96.70): VV012628.D (-512) (-)

Ion 61.05 (60.75 to 61.75): VV012628.D (-512) (-)

Ion 97.95 (97.65 to 98.65): VV012628.D (-512) (-)





#19

1,1-Dichloroethane

Concen: 5.044 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

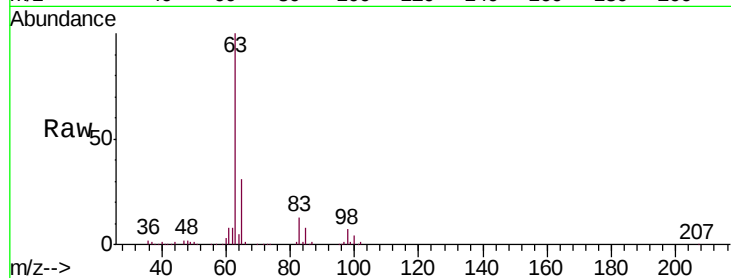
Tgt Ion: 63 Resp: 301769

Ion Ratio Lower Upper

63 100

65 30.7 22.7 42.3

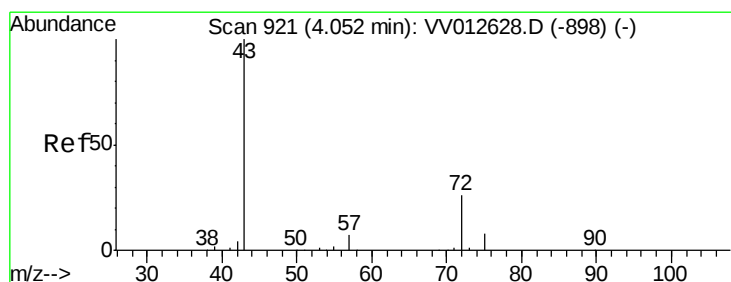
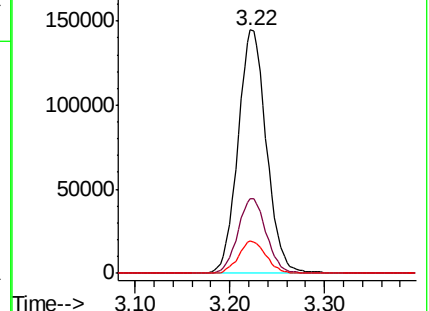
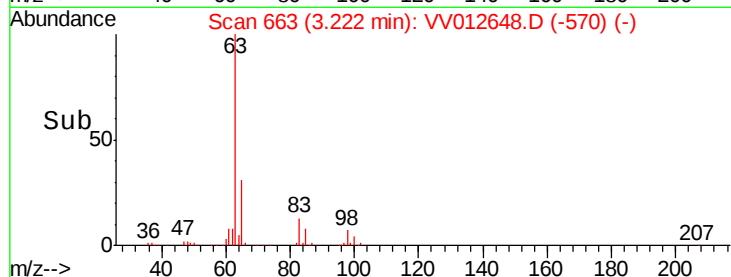
83 13.2 9.1 16.9



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 65.10 (64.80 to 65.80): VV0

Ion 83.05 (82.75 to 83.75): VV0



#21

2-Butanone

Concen: 53.447 ug/L

RT: 4.05 min Scan# 921

Delta R.T. -0.00 min

Lab File: VV012648.D

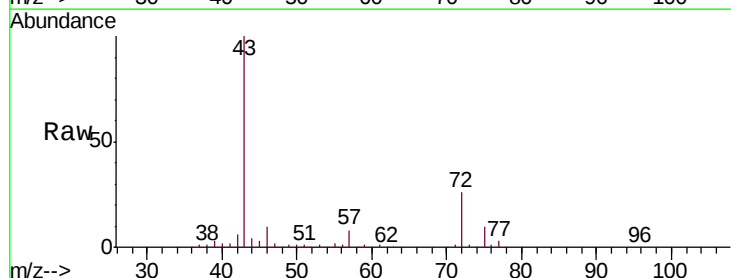
Acq: 10 Sep 2019 10:28

Tgt Ion: 43 Resp: 399091

Ion Ratio Lower Upper

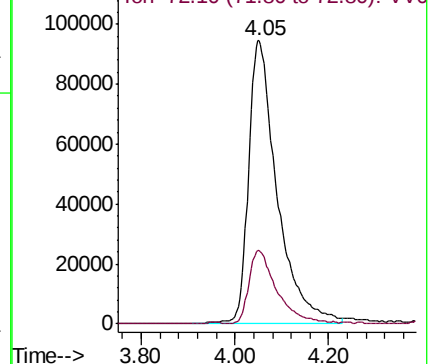
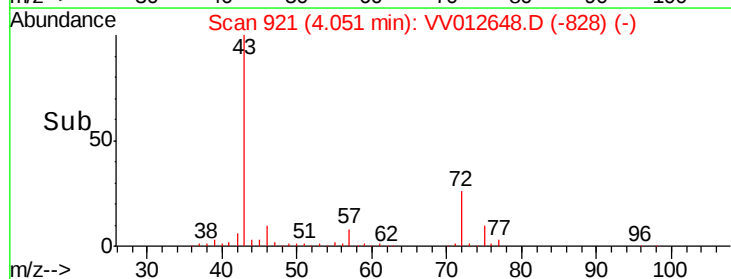
43 100

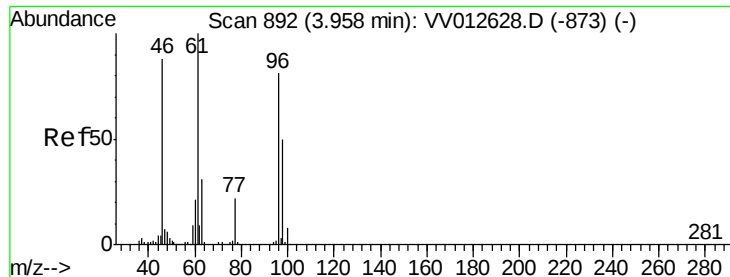
72 24.9 13.0 38.9



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



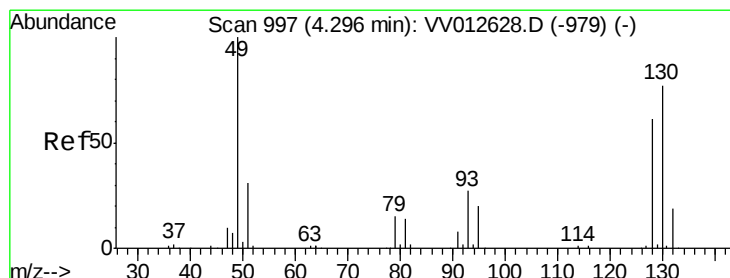
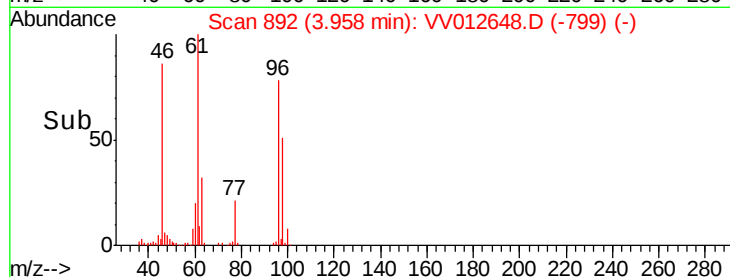
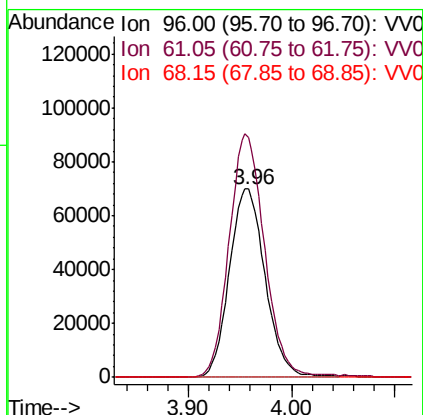
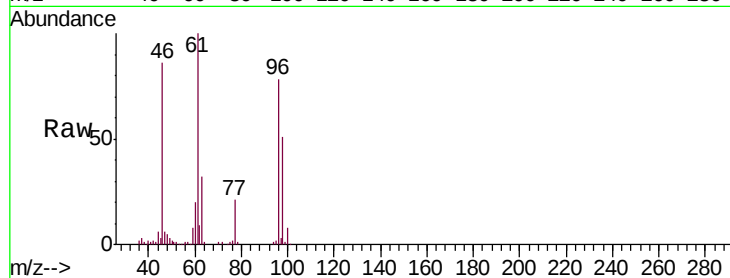


#22

cis-1,2-Dichloroethene
Concen: 4.886 ug/L
RT: 3.96 min Scan# 892
Delta R.T. -0.00 min
Lab File: VV012648.D
Acq: 10 Sep 2019 10:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

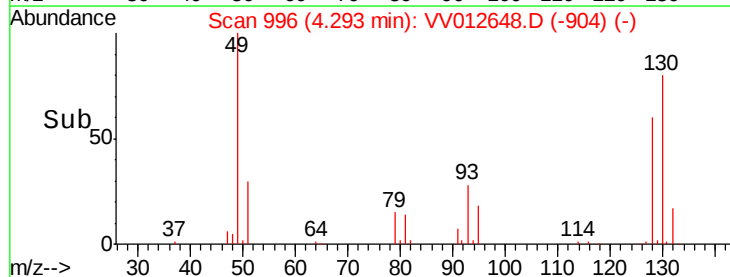
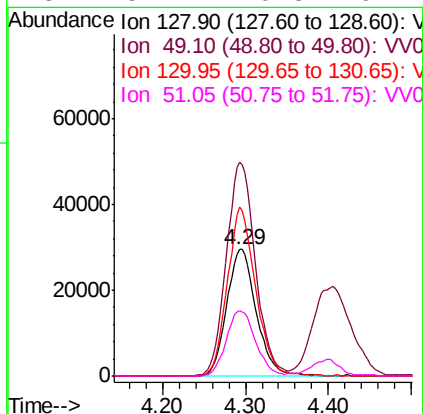
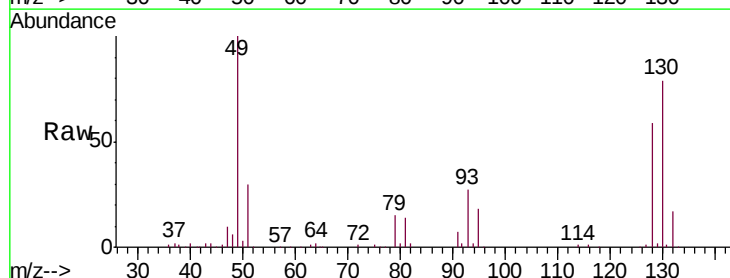
Tgt Ion: 96 Resp: 168709
Ion Ratio Lower Upper
96 100
61 127.7 89.7 166.5
68 0.0 0.0 0.0

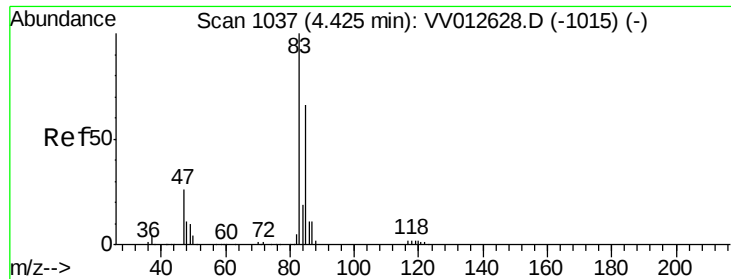


#23

Bromochloromethane
Concen: 4.953 ug/L
RT: 4.29 min Scan# 996
Delta R.T. -0.00 min
Lab File: VV012648.D
Acq: 10 Sep 2019 10:28

Tgt Ion: 128 Resp: 73083
Ion Ratio Lower Upper
128 100
49 168.7 115.2 214.0
130 133.1 92.9 172.5
51 51.2 40.8 61.2

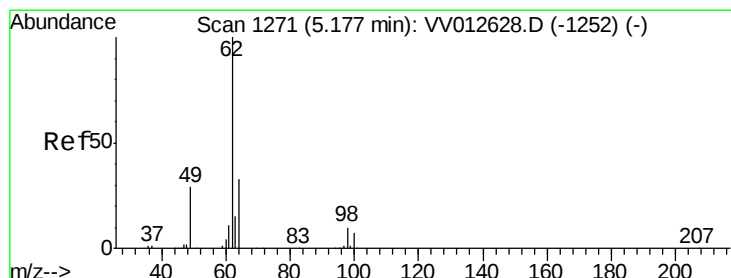
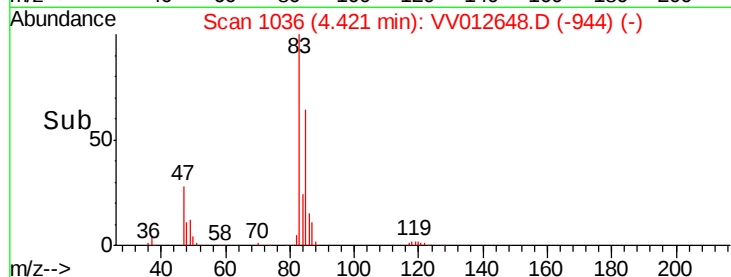
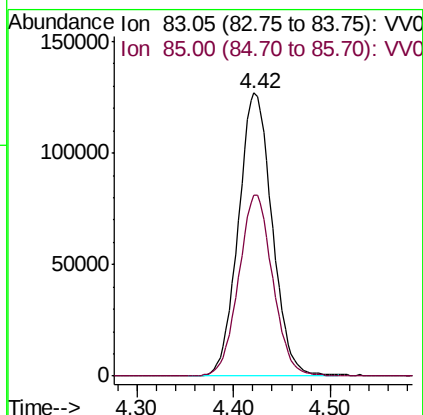
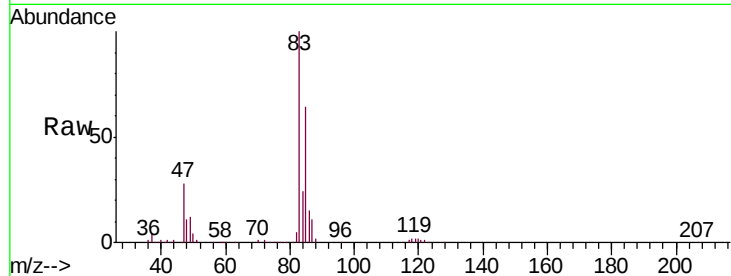




#25
Chloroform
Concen: 4.678 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012648.D
Acq: 10 Sep 2019 10:28

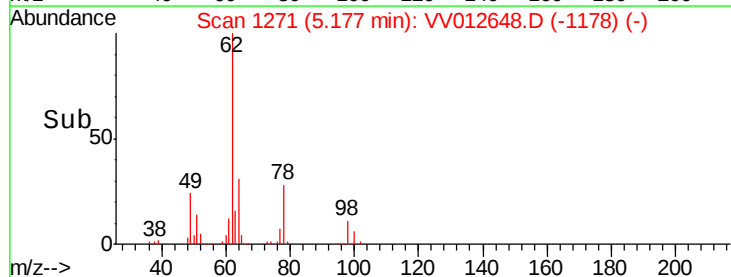
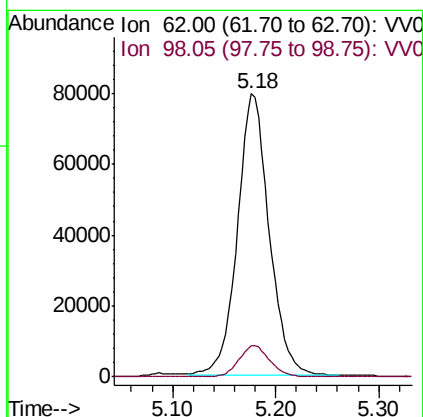
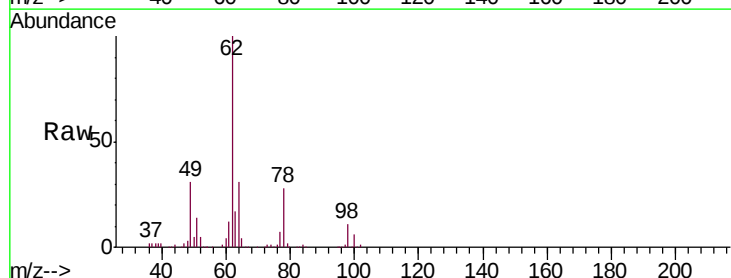
Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

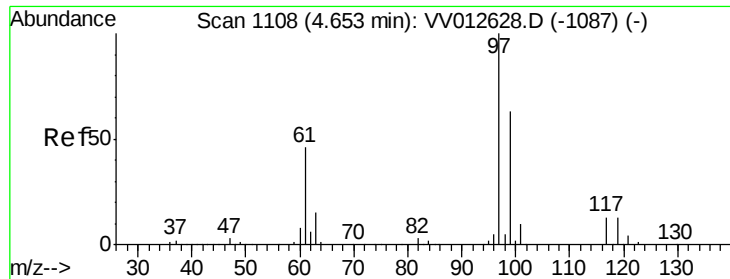
Tgt Ion: 83 Resp: 308246
Ion Ratio Lower Upper
83 100
85 64.1 45.3 84.1



#27
1,2-Dichloroethane
Concen: 4.945 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV012648.D
Acq: 10 Sep 2019 10:28

Tgt Ion: 62 Resp: 170813
Ion Ratio Lower Upper
62 100
98 10.9 8.4 12.6

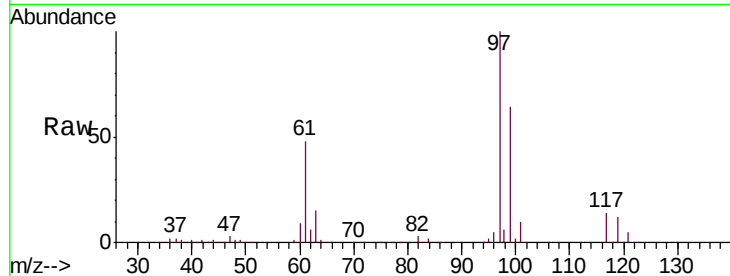




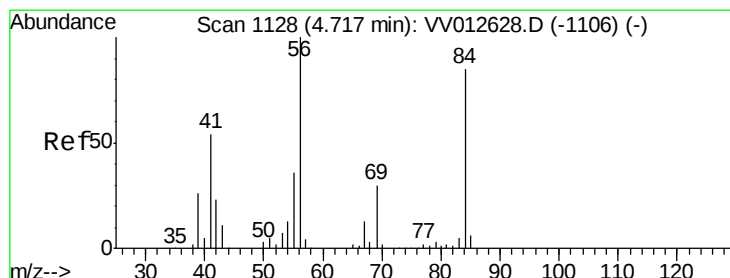
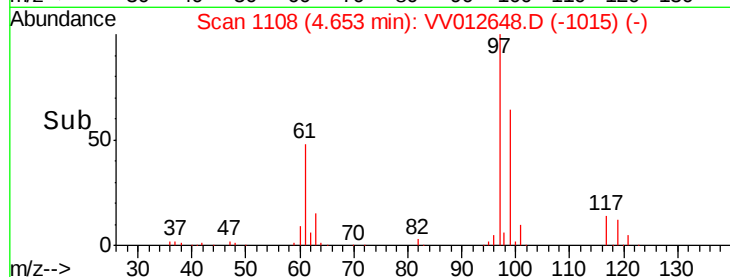
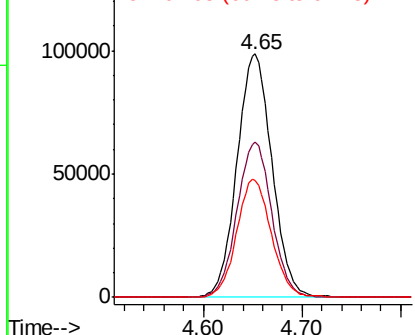
#29
 1,1,1-Trichloroethane
 Concen: 5.046 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012648.D
 Acq: 10 Sep 2019 10:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Tgt Ion: 97 Resp: 243055
 Ion Ratio Lower Upper
 97 100
 99 63.2 51.6 77.4
 61 48.1 37.5 56.3

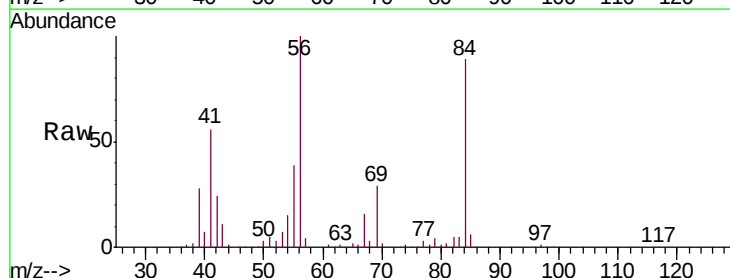


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

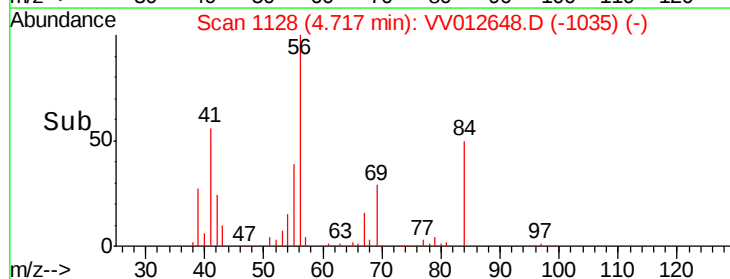
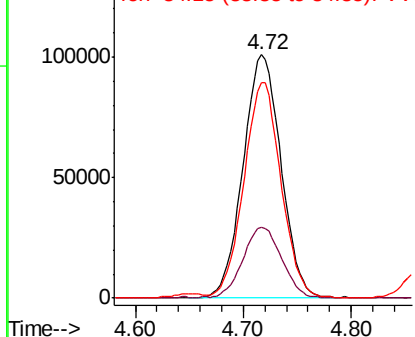


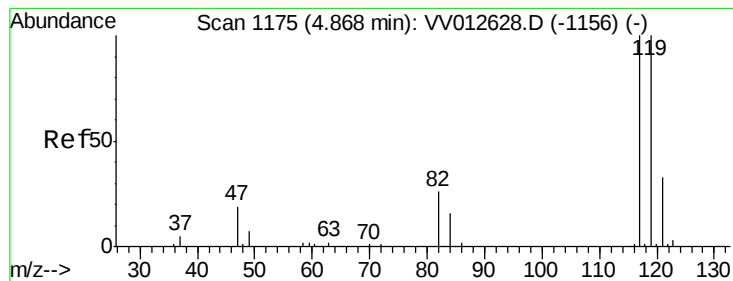
#30
 Cyclohexane
 Concen: 5.155 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV012648.D
 Acq: 10 Sep 2019 10:28

Tgt Ion: 56 Resp: 247227
 Ion Ratio Lower Upper
 56 100
 69 29.9 23.8 35.8
 84 86.4 70.1 105.1



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.133 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

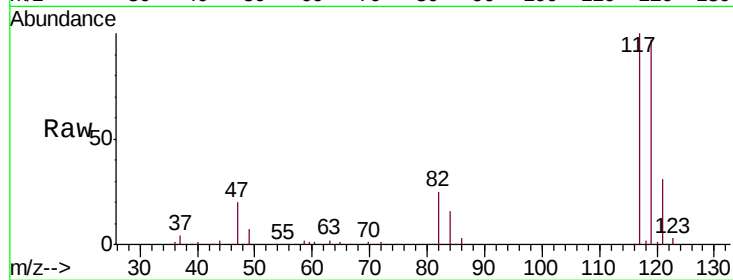
VSTD00548

Tgt Ion:117 Resp: 217784

Ion Ratio Lower Upper

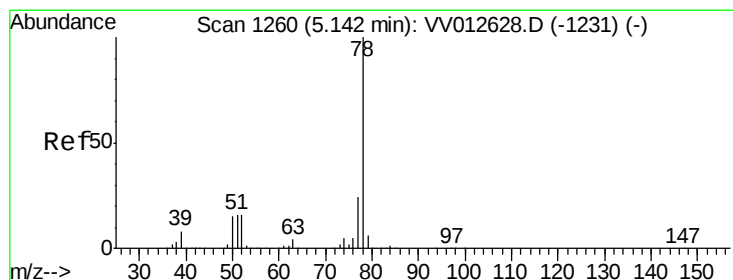
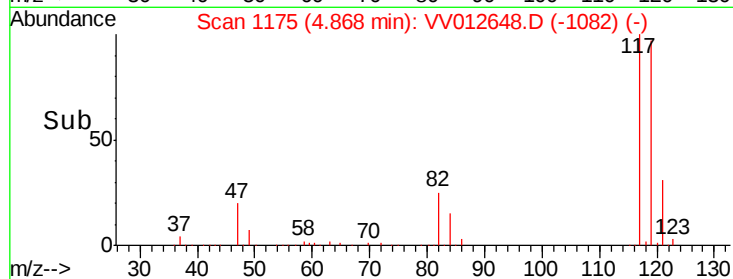
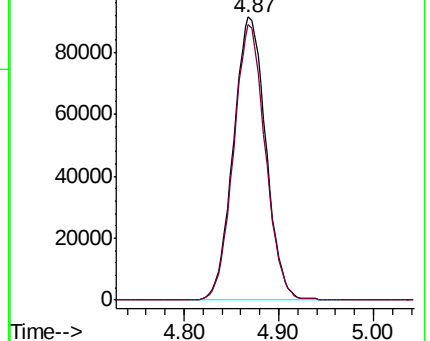
117 100

119 95.1 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.190 ug/L

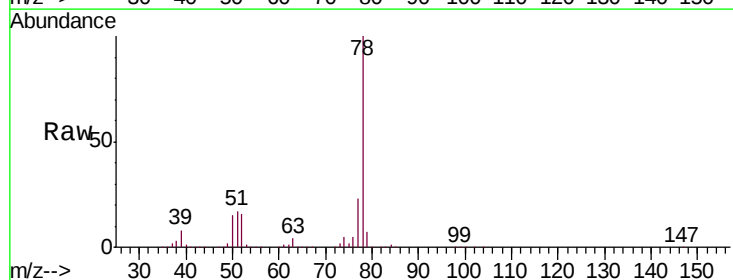
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

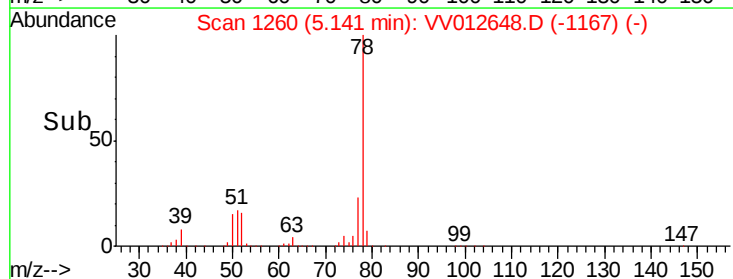
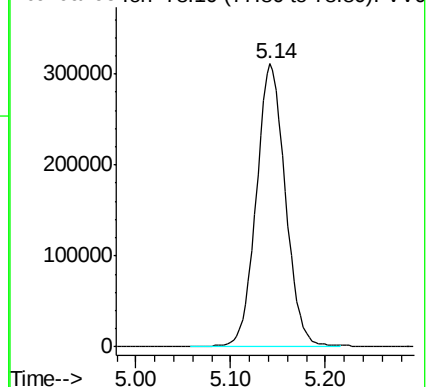
Lab File: VV012648.D

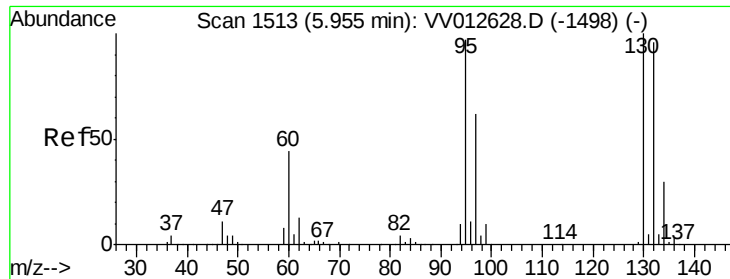
Acq: 10 Sep 2019 10:28

Tgt Ion: 78 Resp: 663907



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.967 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

Tgt Ion: 95 Resp: 175575

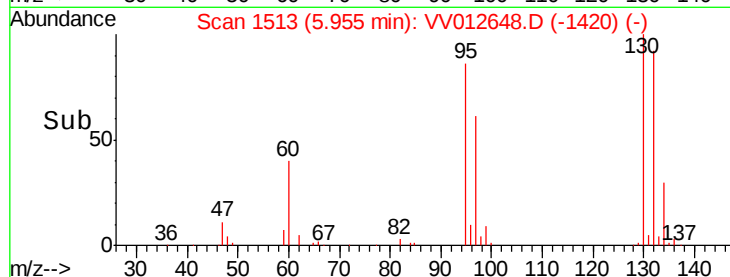
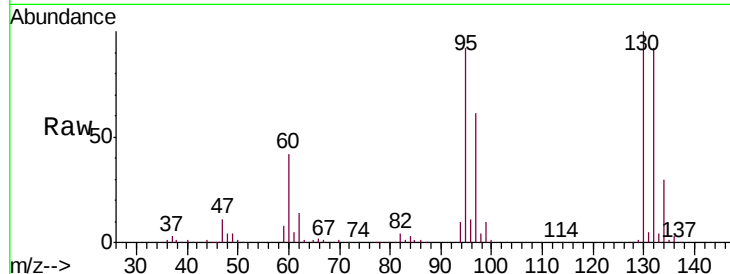
Ion Ratio Lower Upper

95 100

97 66.4 45.4 84.2

132 100.0 70.2 130.4

130 108.1 74.2 137.8

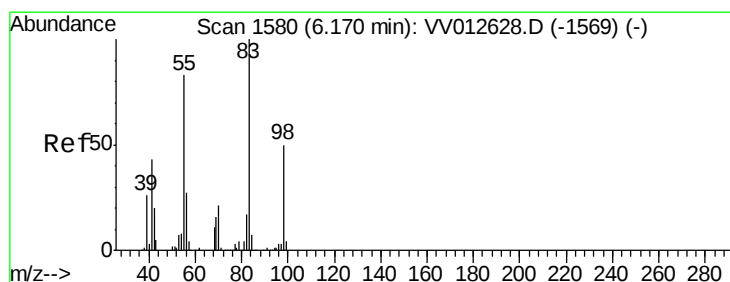
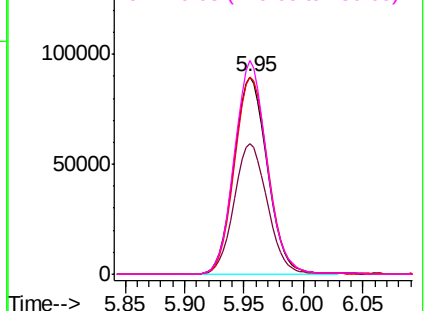


Abundance Ion 95.00 (94.70 to 95.70): VV012648.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV012648.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV012648.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV012648.D (-1420) (-)



#35

Methylcyclohexane

Concen: 5.212 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

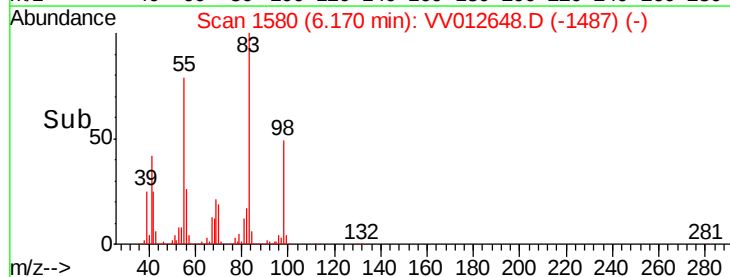
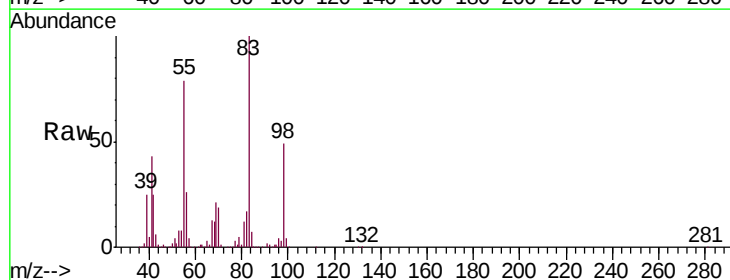
Tgt Ion: 83 Resp: 260370

Ion Ratio Lower Upper

83 100

55 79.7 63.0 94.4

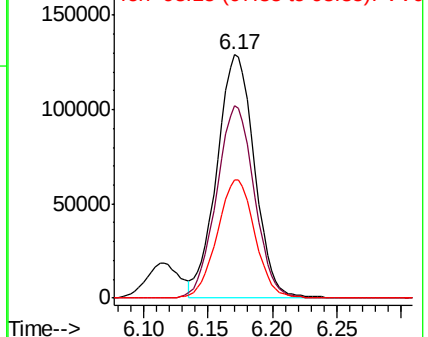
98 49.1 39.8 59.8

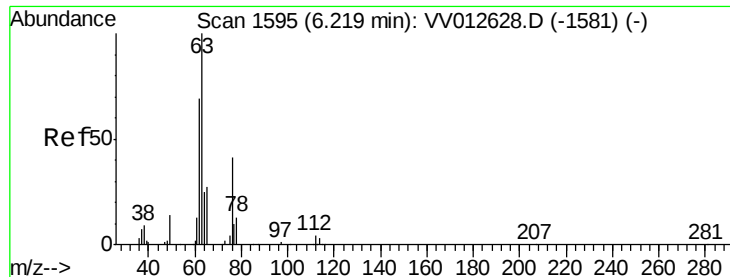


Abundance Ion 83.15 (82.85 to 83.85): VV012648.D (-1487) (-)

Ion 55.10 (54.80 to 55.80): VV012648.D (-1487) (-)

Ion 98.15 (97.85 to 98.85): VV012648.D (-1487) (-)

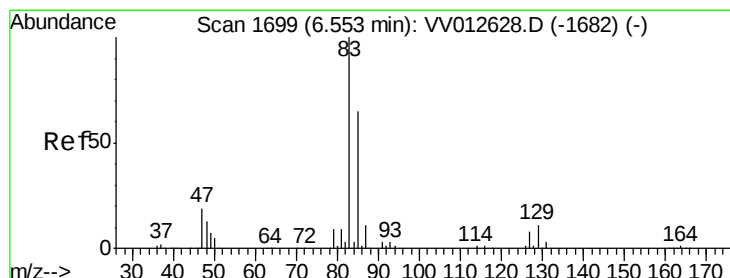
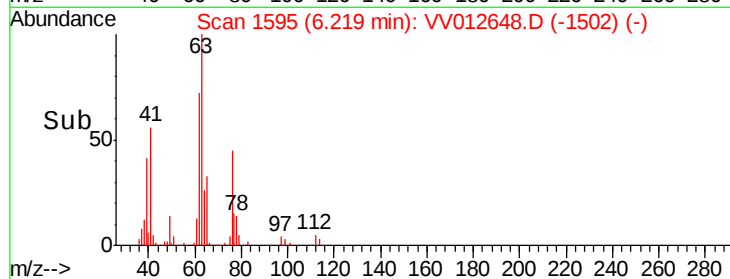
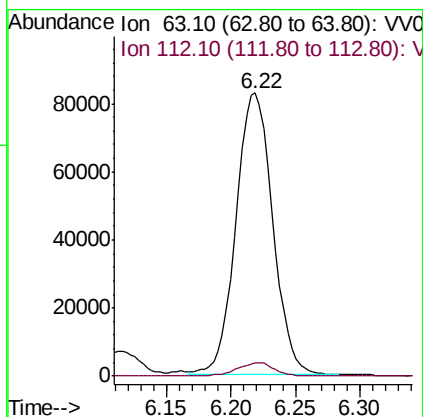
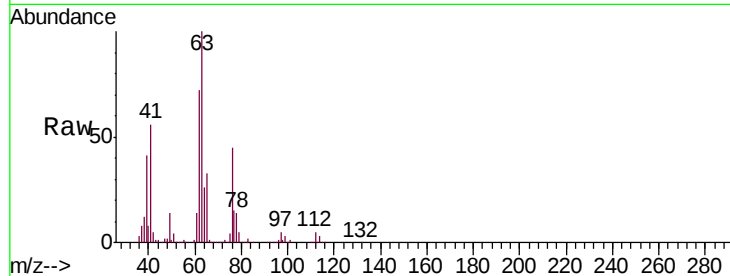




#37
 1,2-Dichloropropane
 Concen: 5.143 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012648.D
 Acq: 10 Sep 2019 10:28

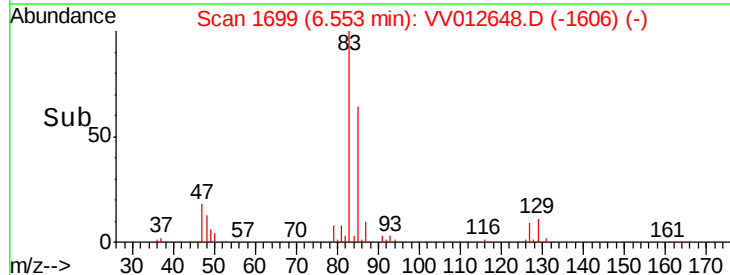
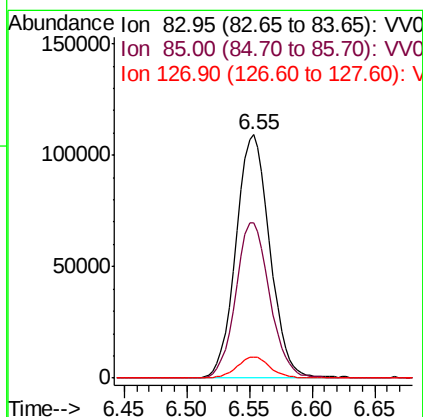
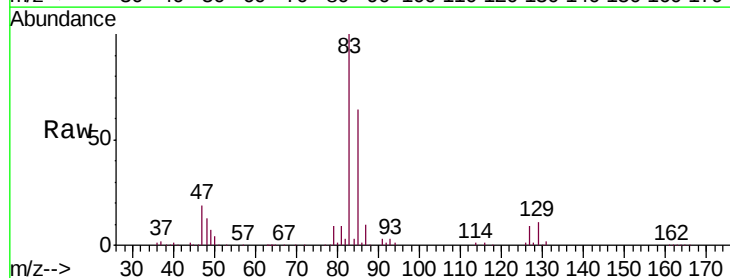
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

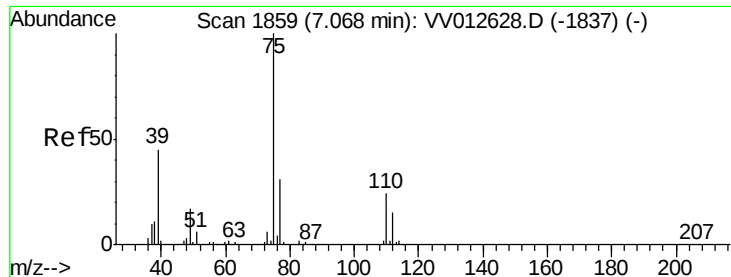
Tgt Ion: 63 Resp: 163825
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.983 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012648.D
 Acq: 10 Sep 2019 10:28

Tgt Ion: 83 Resp: 205582
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.3 84.1
 127 8.8 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 5.136 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampled :

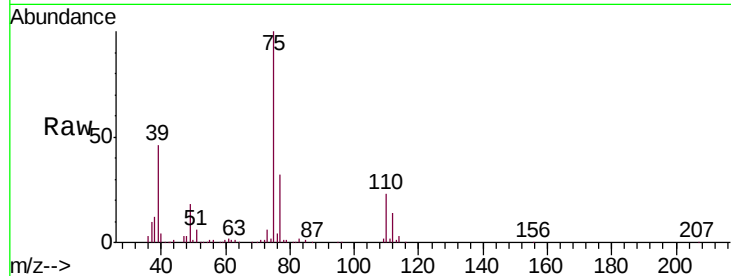
VSTD00548

Tgt Ion: 75 Resp: 214674

Ion Ratio Lower Upper

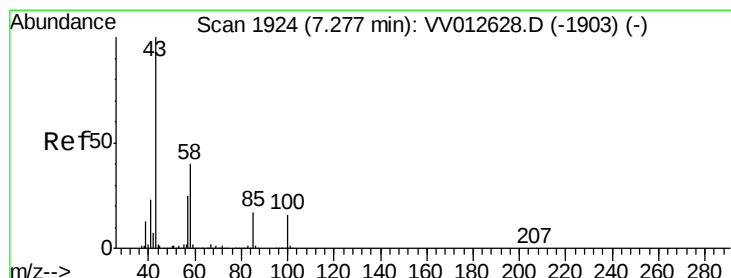
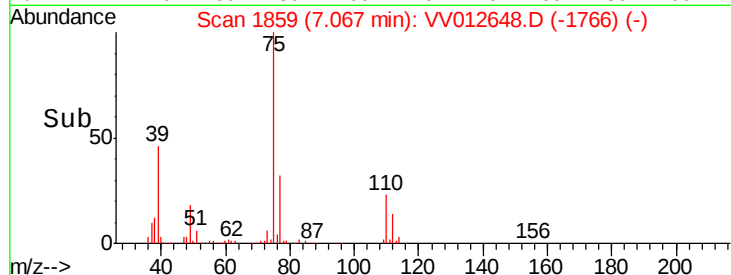
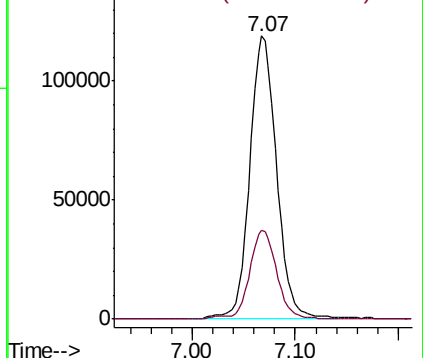
75 100

77 31.6 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 53.829 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

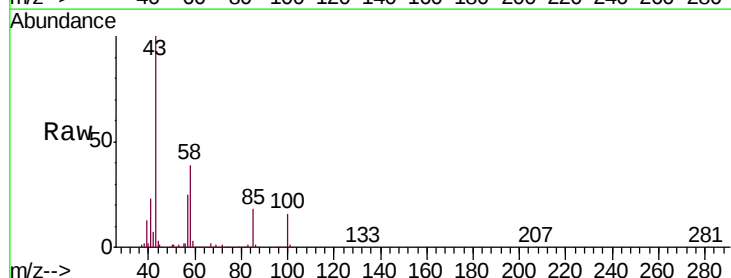
Tgt Ion: 43 Resp: 950656

Ion Ratio Lower Upper

43 100

58 38.5 31.4 47.0

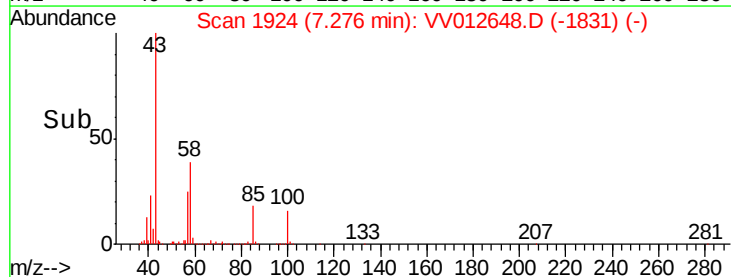
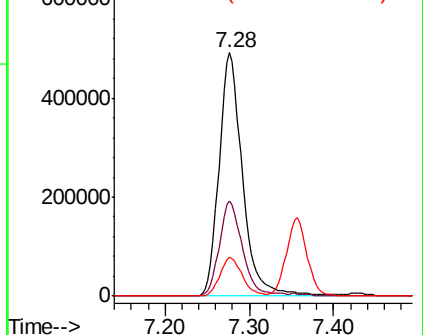
100 15.3 12.6 18.8

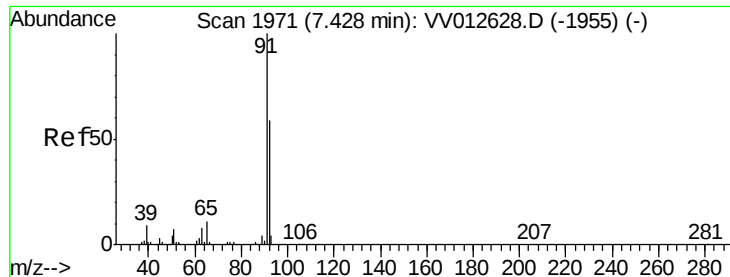


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.307 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

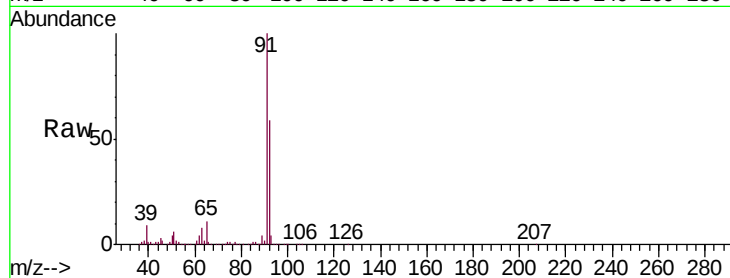
VSTD00548

Tgt Ion: 91 Resp: 705212

Ion Ratio Lower Upper

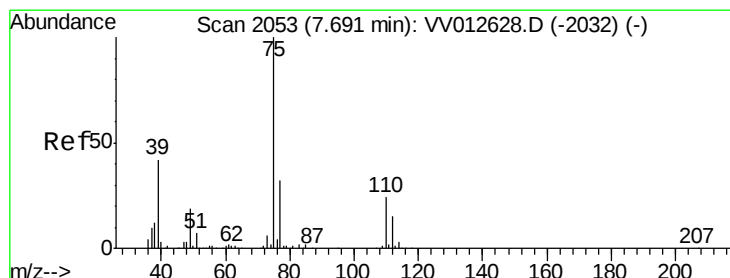
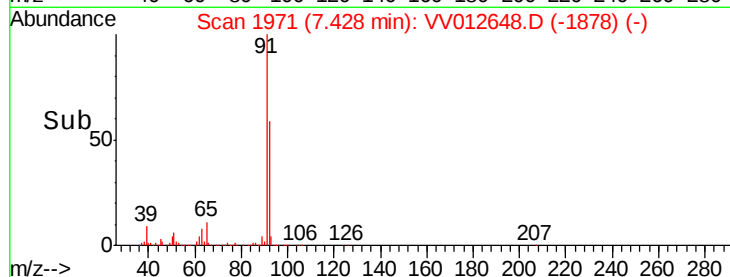
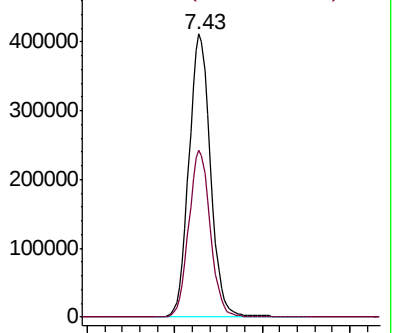
91 100

92 59.0 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.213 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV012648.D

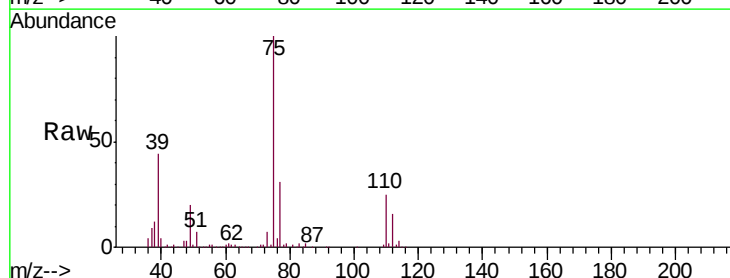
Acq: 10 Sep 2019 10:28

Tgt Ion: 75 Resp: 164294

Ion Ratio Lower Upper

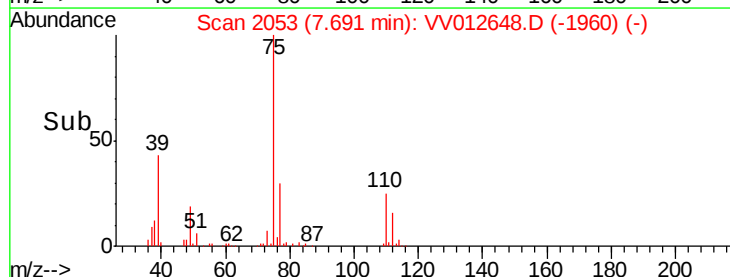
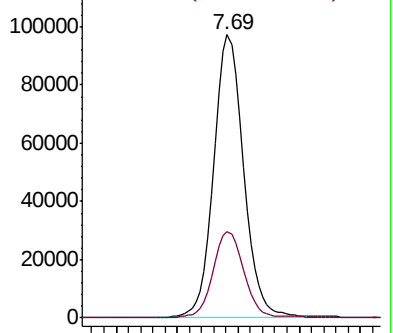
75 100

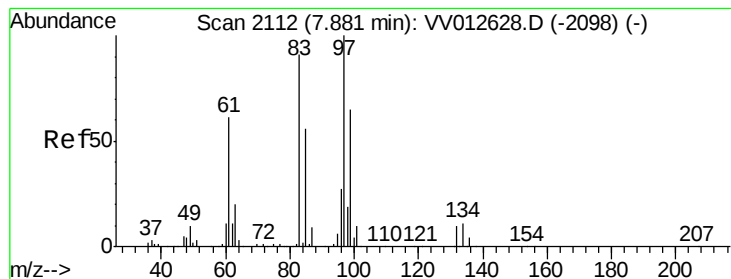
77 30.6 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 5.166 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

Tgt Ion: 97 Resp: 114631

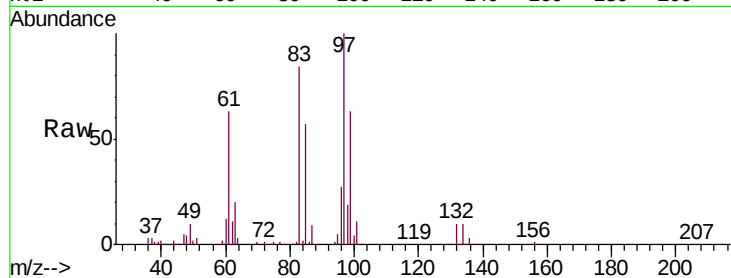
Ion Ratio Lower Upper

97 100

99 63.1 44.2 82.0

83 83.7 60.8 112.8

85 56.5 38.6 71.6

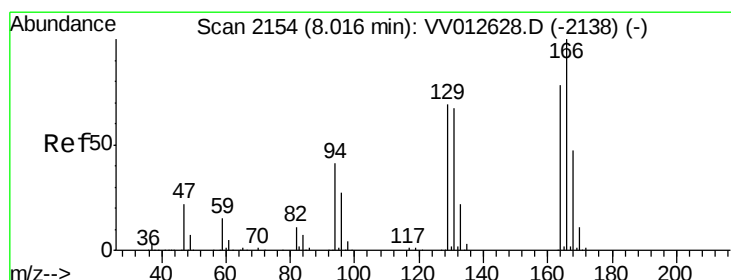
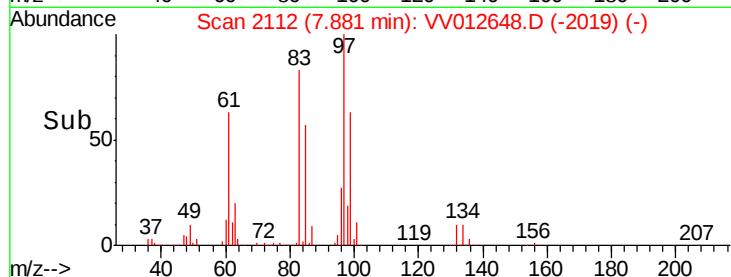
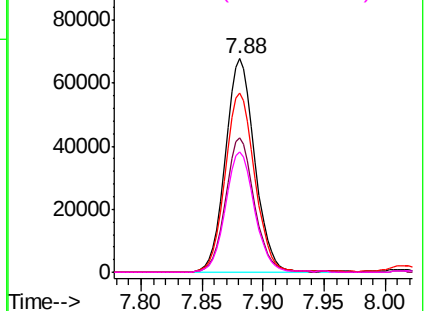


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.021 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Tgt Ion: 164 Resp: 139300

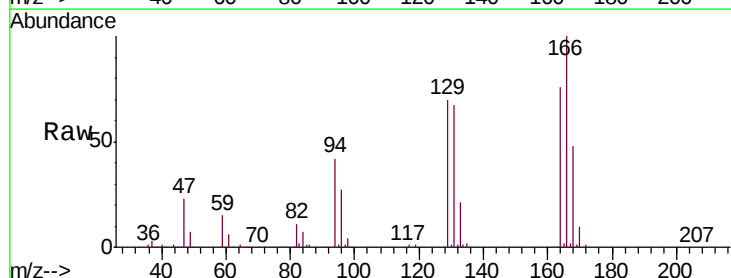
Ion Ratio Lower Upper

164 100

129 91.3 61.9 114.9

131 88.5 59.7 110.9

166 131.1 90.4 167.8

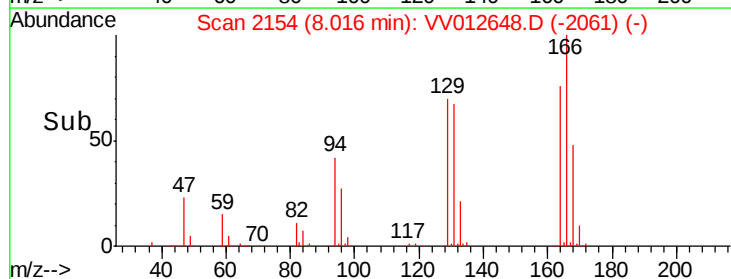
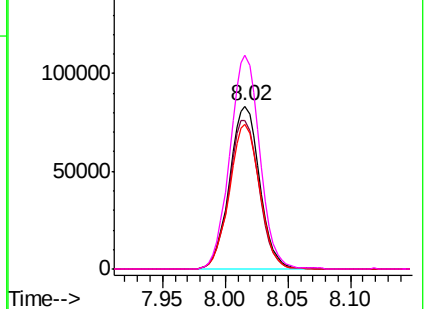


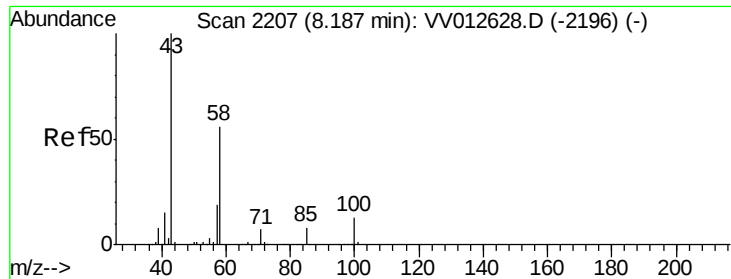
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

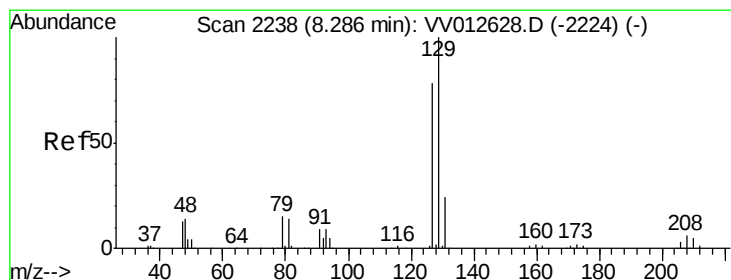
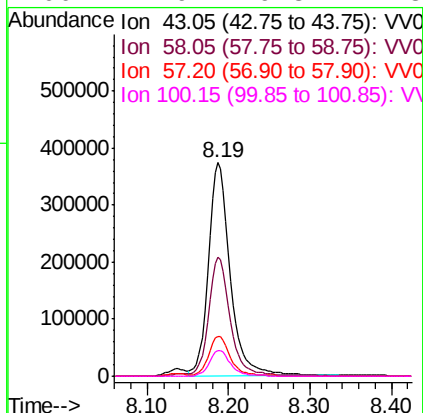
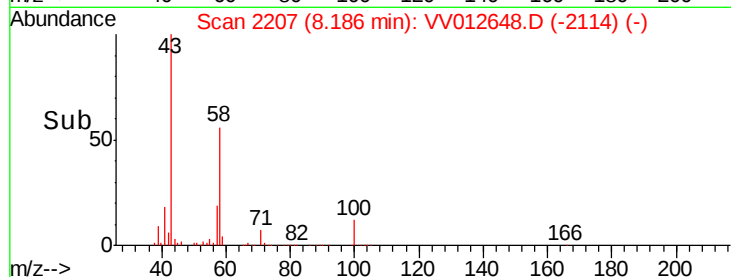
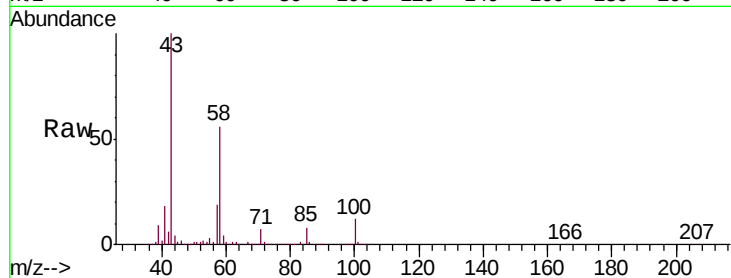




#48
2-Hexanone
Concen: 55.606 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV012648.D
Acq: 10 Sep 2019 10:28

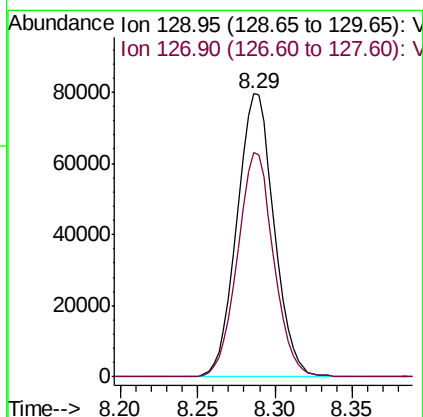
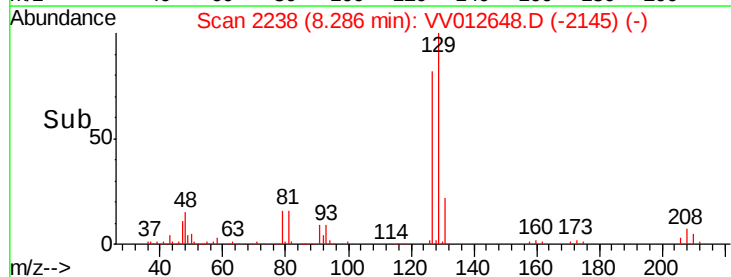
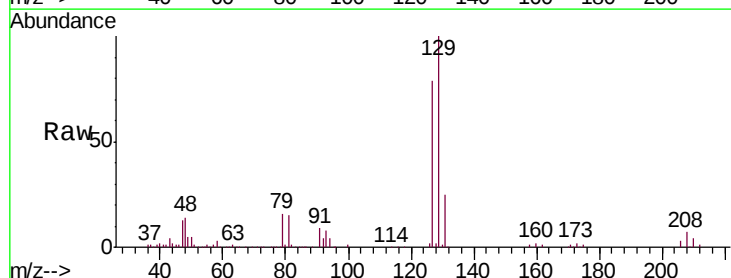
Instrument :
MSVOA_V
ClientSampleId :
VSTD00548

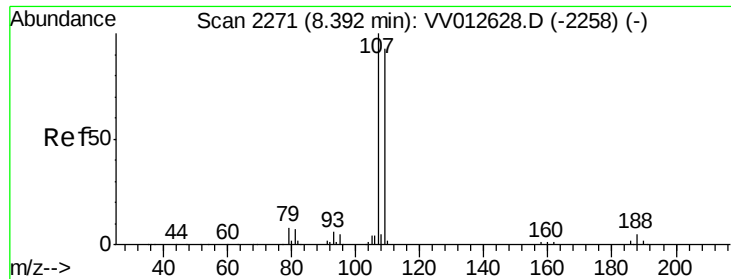
Tgt Ion: 43 Resp: 702686
Ion Ratio Lower Upper
43 100
58 55.4 44.8 67.2
57 18.4 14.9 22.3
100 11.9 9.8 14.8



#49
Dibromochloromethane
Concen: 5.037 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012648.D
Acq: 10 Sep 2019 10:28

Tgt Ion: 129 Resp: 132927
Ion Ratio Lower Upper
129 100
127 79.4 53.5 99.5





#50

1,2-Dibromoethane

Concen: 5.086 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. 0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

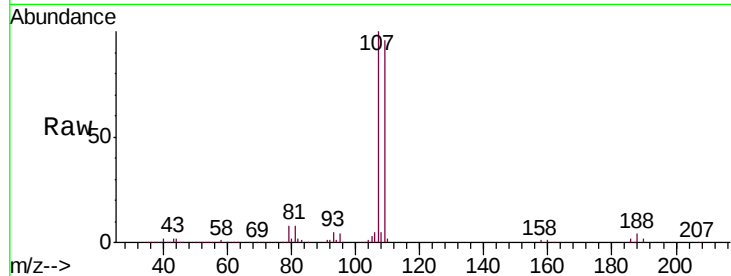
Tgt Ion:107 Resp: 100016

Ion Ratio Lower Upper

107 100

109 96.3 67.7 125.7

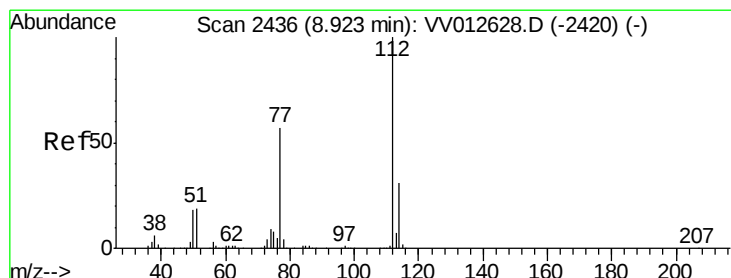
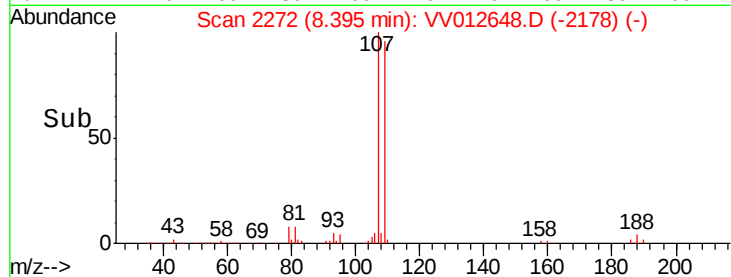
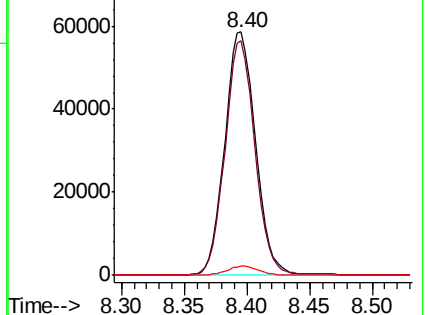
188 3.8 3.3 4.9



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.113 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

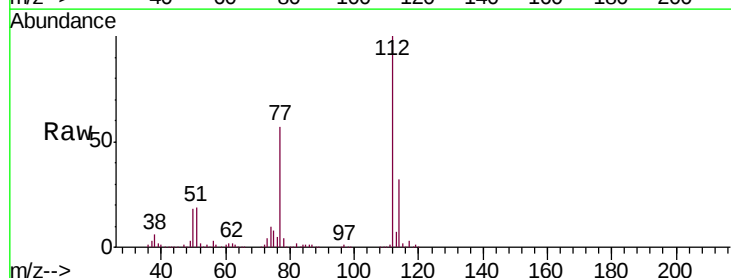
Tgt Ion:112 Resp: 446625

Ion Ratio Lower Upper

112 100

114 32.0 22.5 41.9

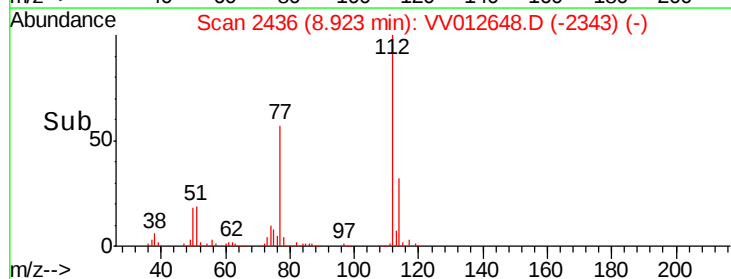
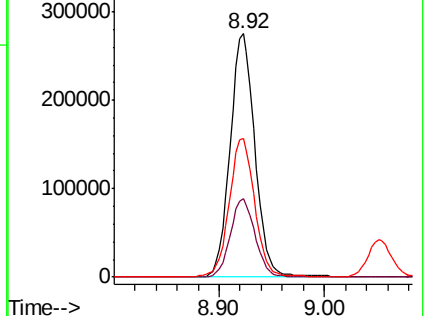
77 57.1 46.2 69.2

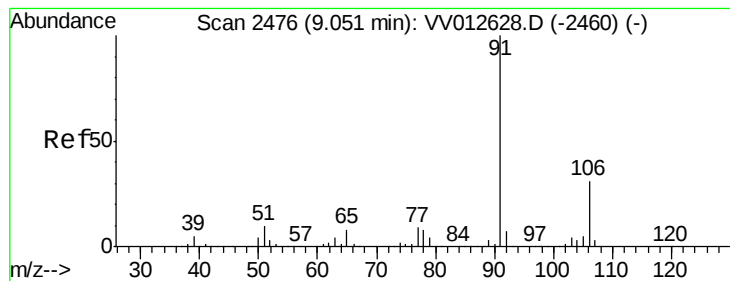


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.220 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

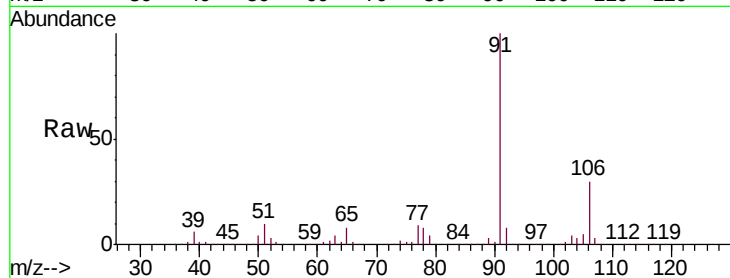
VSTD00548

Tgt Ion: 91 Resp: 745980

Ion Ratio Lower Upper

91 100

106 30.4 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV012648.D (-2460) (-)

Ion 106.15 (105.85 to 106.85): VV012648.D (-2460) (-)

9.05

400000

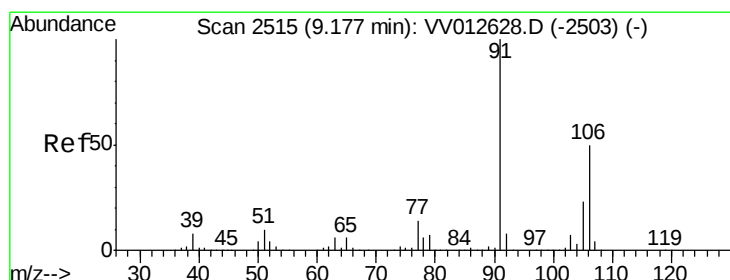
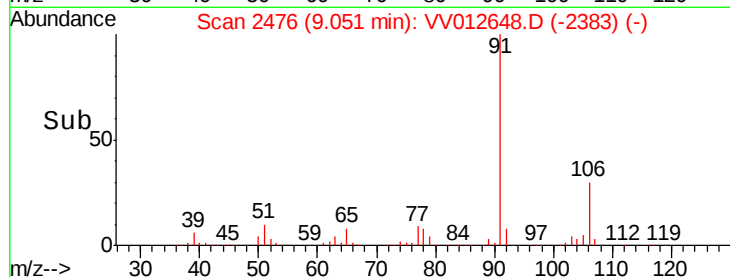
300000

200000

100000

0

Time-->



#53

m,p-xylene

Concen: 5.268 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012648.D

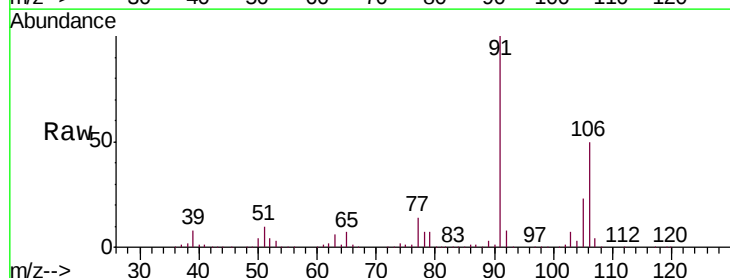
Acq: 10 Sep 2019 10:28

Tgt Ion: 106 Resp: 284612

Ion Ratio Lower Upper

106 100

91 198.4 140.0 260.0



Abundance Ion 106.15 (105.85 to 106.85): VV012648.D (-2503) (-)

Ion 91.15 (90.85 to 91.85): VV012648.D (-2503) (-)

9.18

400000

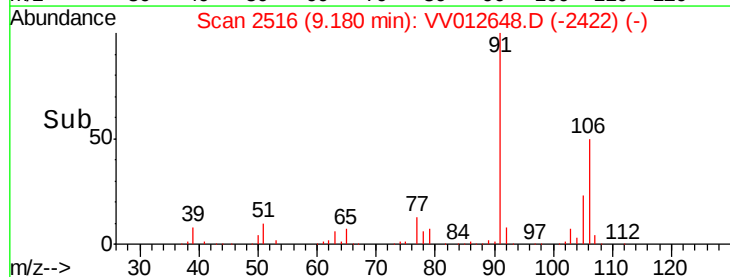
300000

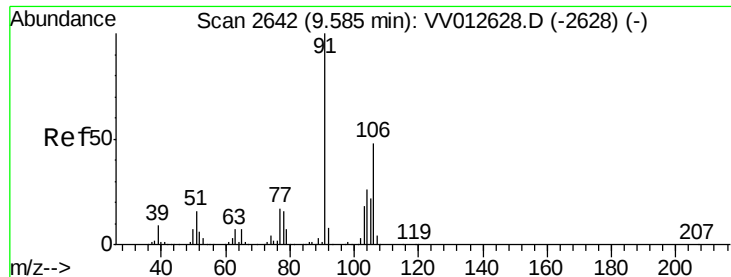
200000

100000

0

Time-->





#54

o-xylene

Concen: 5.295 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

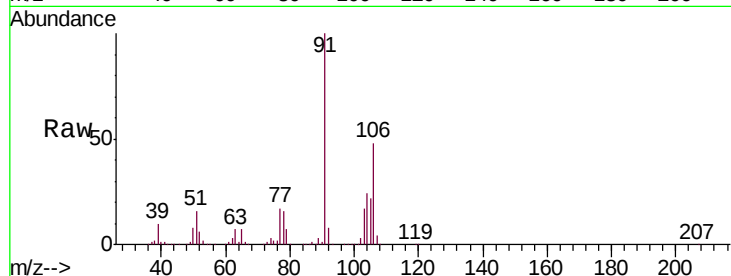
VSTD00548

Tgt Ion:106 Resp: 273997

Ion Ratio Lower Upper

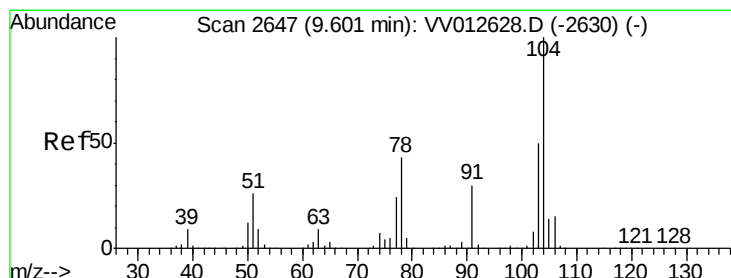
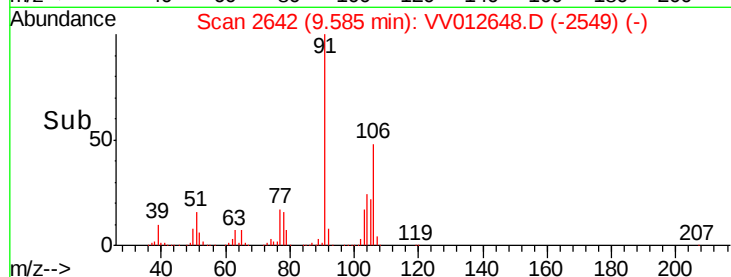
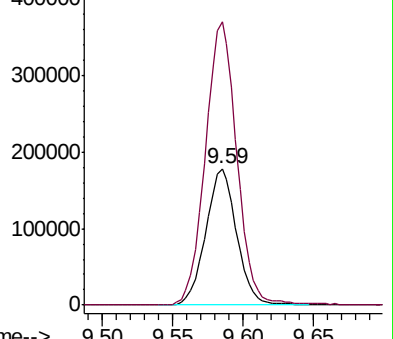
106 100

91 207.8 148.5 275.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.495 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV012648.D

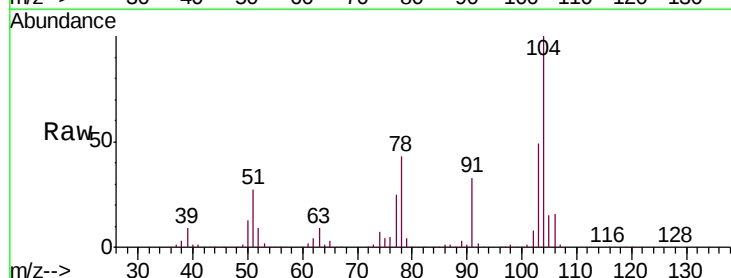
Acq: 10 Sep 2019 10:28

Tgt Ion:104 Resp: 472853

Ion Ratio Lower Upper

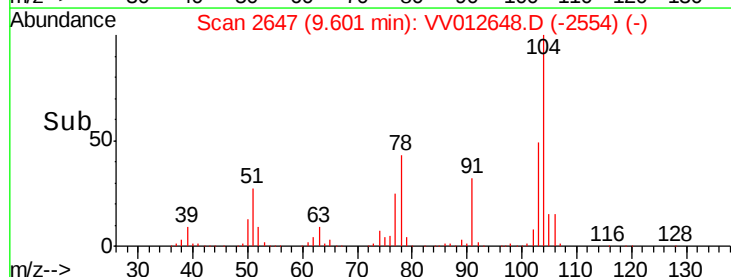
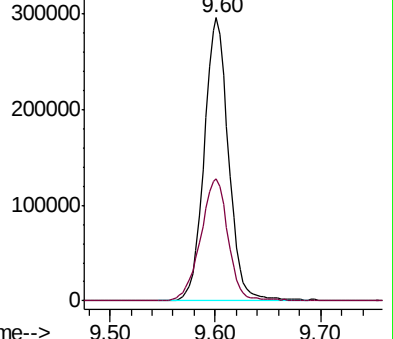
104 100

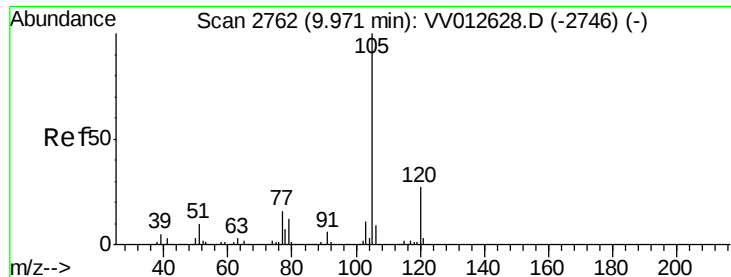
78 43.2 30.2 56.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.375 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

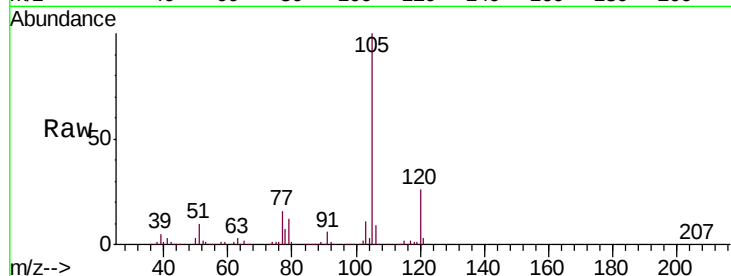
Tgt Ion: 105 Resp: 736764

Ion Ratio Lower Upper

105 100

120 26.6 21.1 31.7

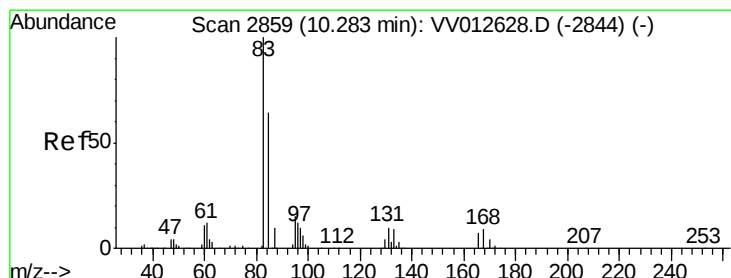
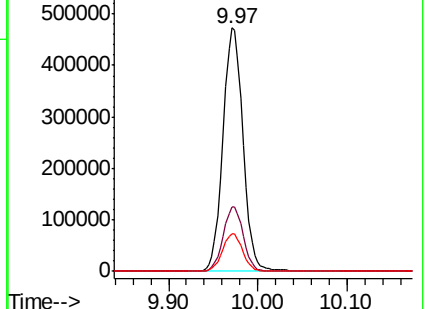
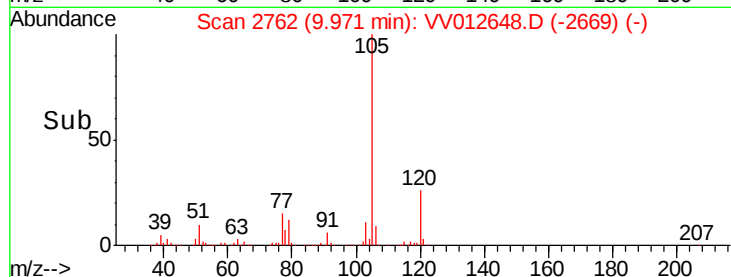
77 15.7 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.156 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

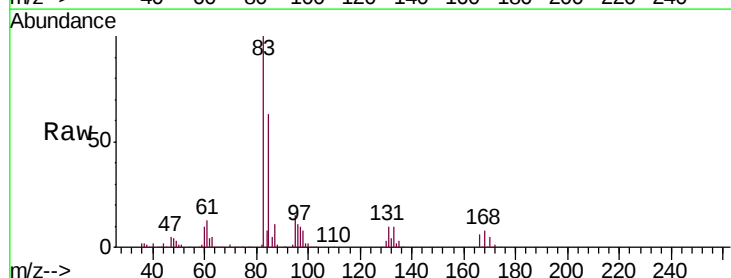
Tgt Ion: 83 Resp: 114046

Ion Ratio Lower Upper

83 100

85 63.2 45.4 84.2

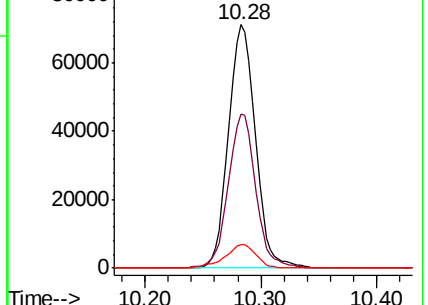
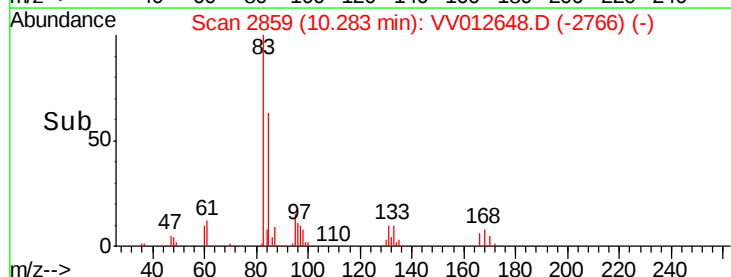
131 9.7 8.2 12.4

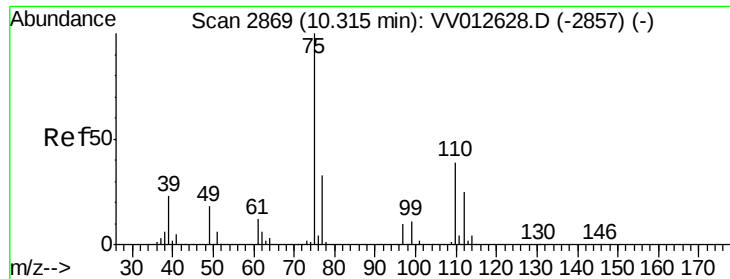


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.032 ug/L

RT: 10.31 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

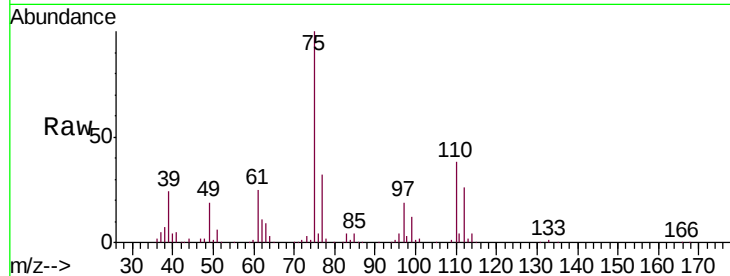
VSTD00548

Tgt Ion: 75 Resp: 94557

Ion Ratio Lower Upper

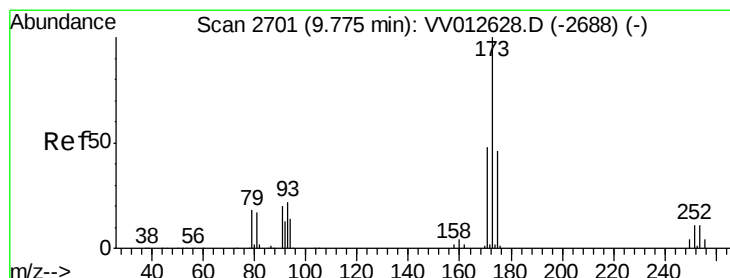
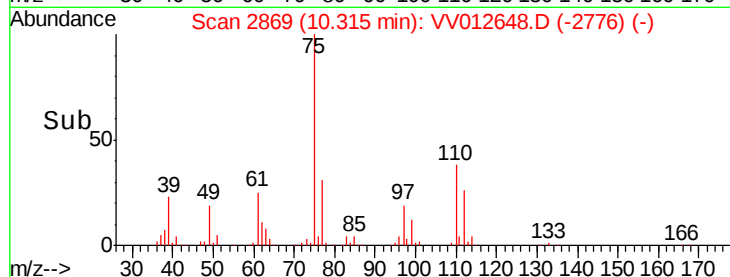
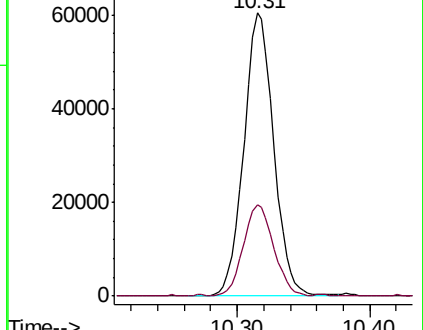
75 100

77 32.1 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VV012628.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV012628.D (-2857) (-)



#61

Bromoform

Concen: 4.655 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

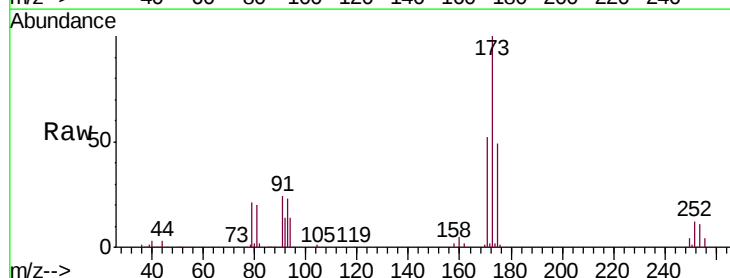
Tgt Ion: 173 Resp: 69969

Ion Ratio Lower Upper

173 100

175 48.6 39.8 59.6

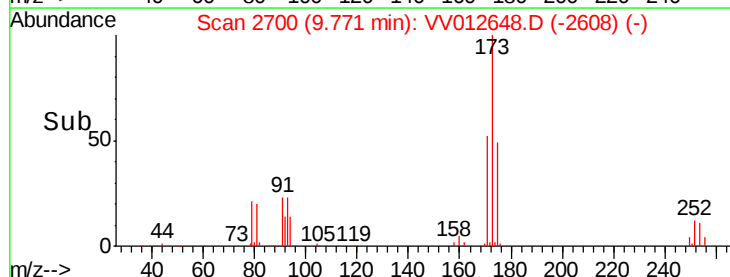
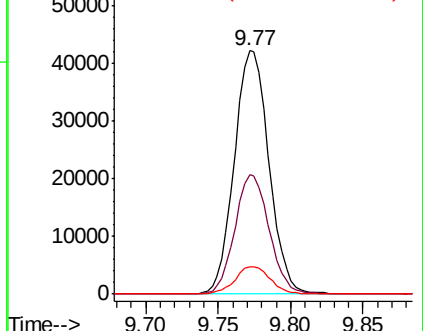
254 11.4 9.1 13.7

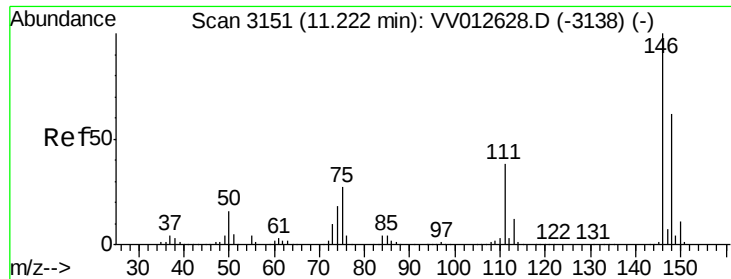


Abundance Ion 172.90 (172.60 to 173.60): VV012628.D (-2688) (-)

Ion 174.90 (174.60 to 175.60): VV012628.D (-2688) (-)

Ion 253.75 (253.45 to 254.45): VV012628.D (-2688) (-)





#62

1,3-Dichlorobenzene

Concen: 5.127 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

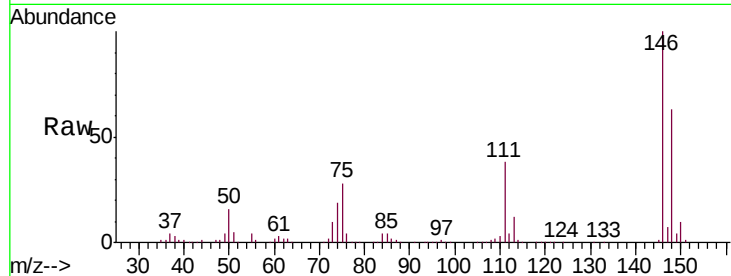
Tgt Ion:146 Resp: 358114

Ion Ratio Lower Upper

146 100

111 38.1 26.3 48.9

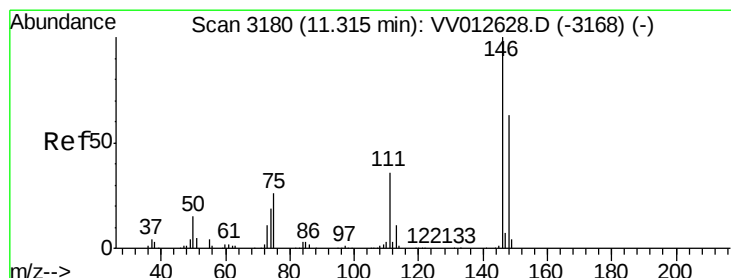
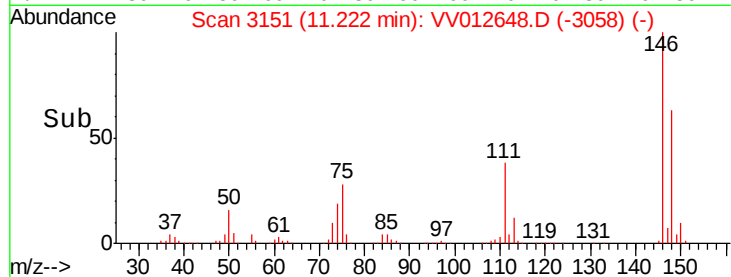
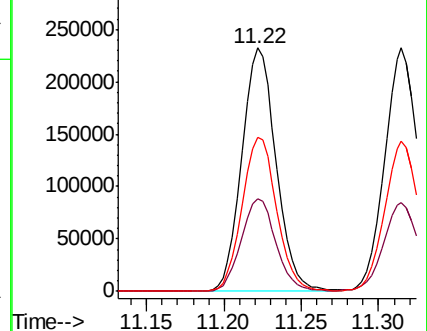
148 63.4 44.7 82.9



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



#63

1,4-Dichlorobenzene

Concen: 5.076 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

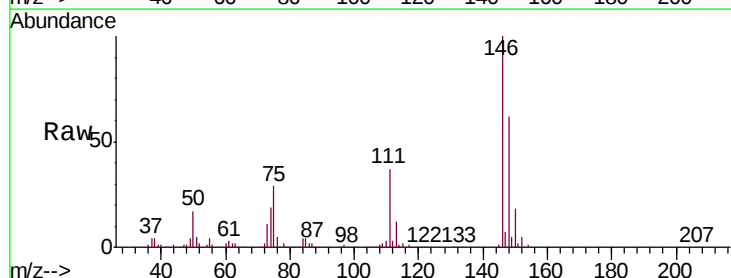
Tgt Ion:146 Resp: 357910

Ion Ratio Lower Upper

146 100

111 36.5 25.9 48.1

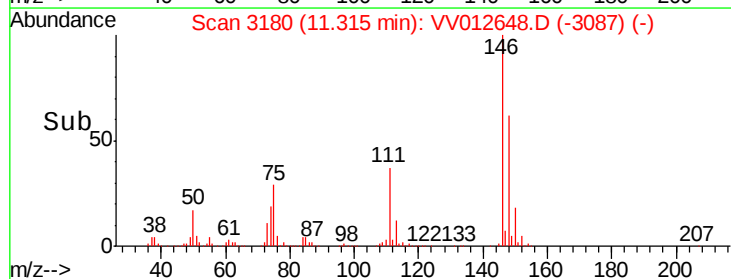
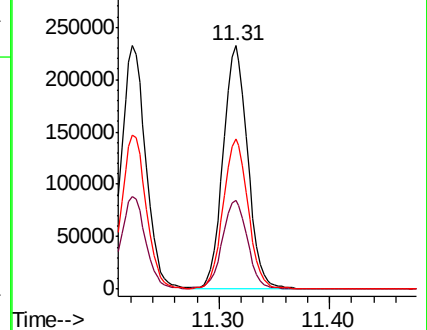
148 62.0 45.1 83.7

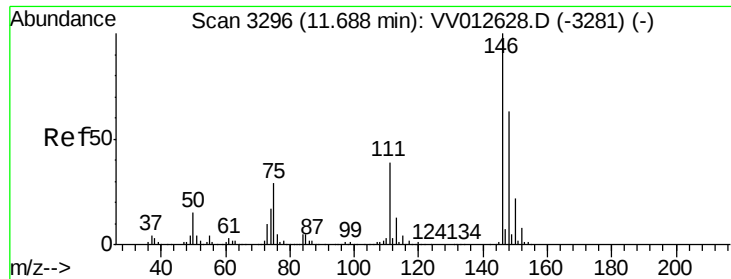


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

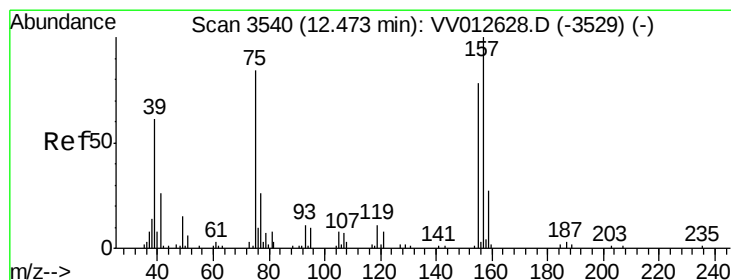
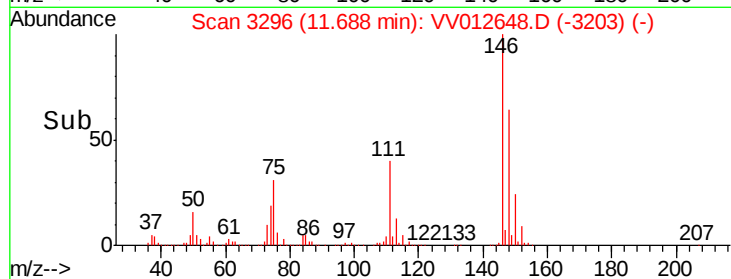
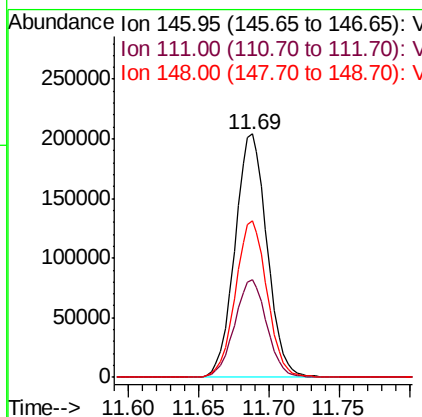
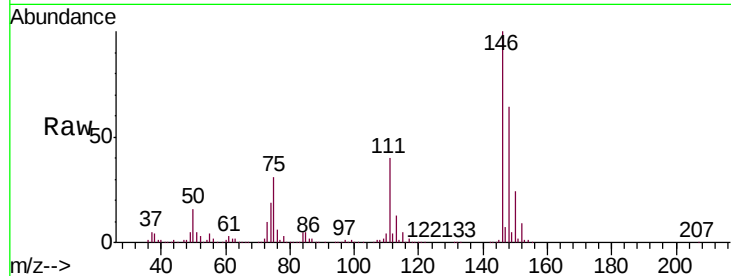




#65
 1,2-Dichlorobenzene
 Concen: 4.950 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012648.D
 Acq: 10 Sep 2019 10:28

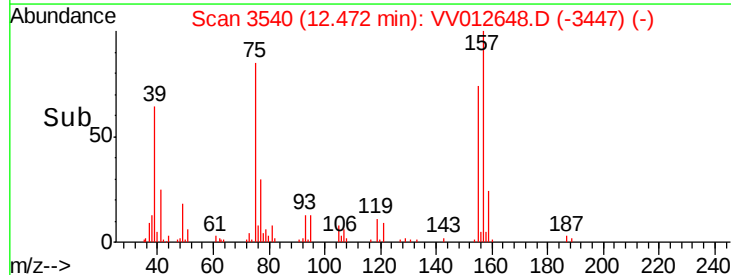
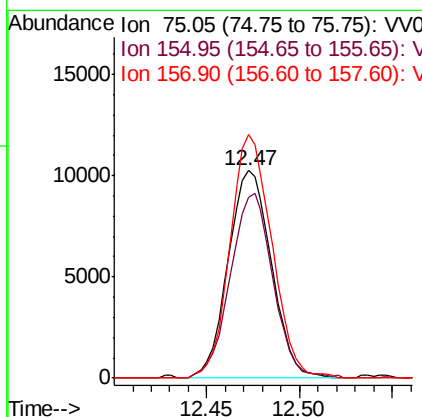
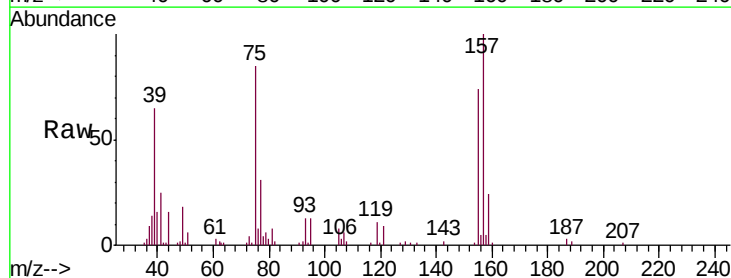
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00548

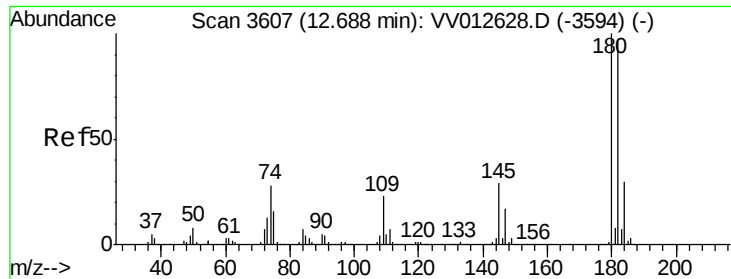
Tgt Ion:146 Resp: 325560
 Ion Ratio Lower Upper
 146 100
 111 39.9 32.2 48.4
 148 64.1 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.841 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012648.D
 Acq: 10 Sep 2019 10:28

Tgt Ion: 75 Resp: 16590
 Ion Ratio Lower Upper
 75 100
 155 87.1 74.3 111.5
 157 117.4 87.4 131.0

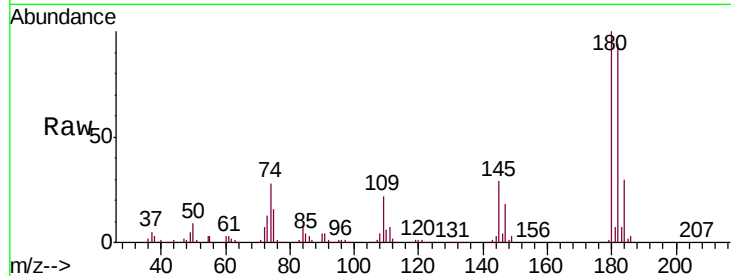




#67
 1,3,5-Trichlorobenzene
 Concen: 4.988 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012648.D
 Acq: 10 Sep 2019 10:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00548

Tgt Ion:	180	Resp:	263888
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
184	30.2	24.3	36.5
145	28.3	22.0	33.0



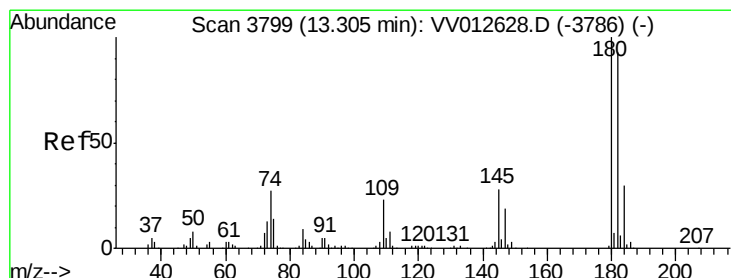
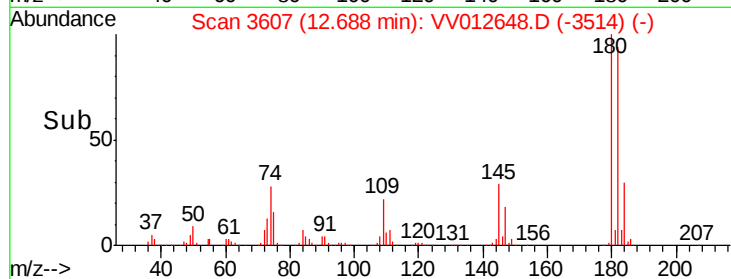
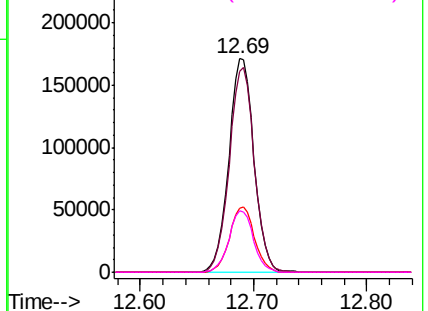
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

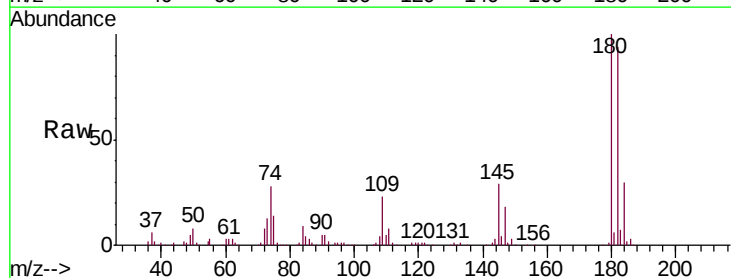
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.861 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012648.D
 Acq: 10 Sep 2019 10:28

Tgt Ion:	180	Resp:	203578
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.1	114.1
145	28.7	23.2	34.8

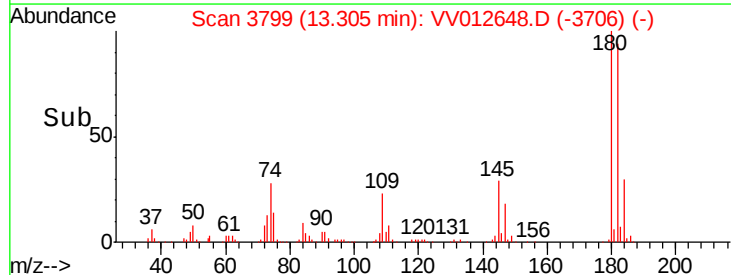
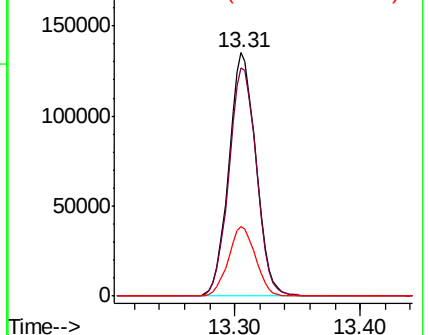


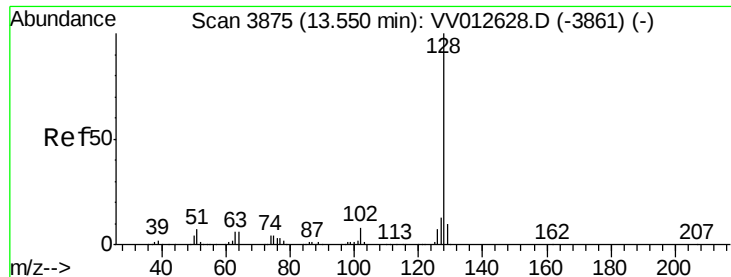
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.681 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD00548

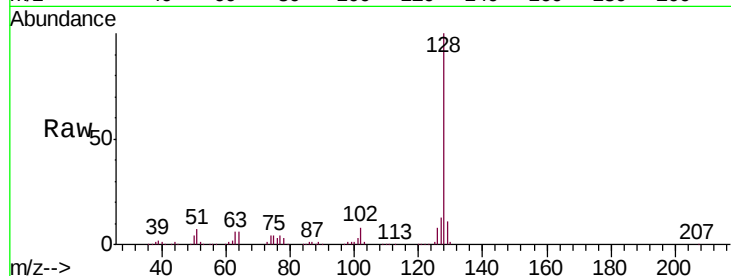
Tgt Ion:128 Resp: 296409

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

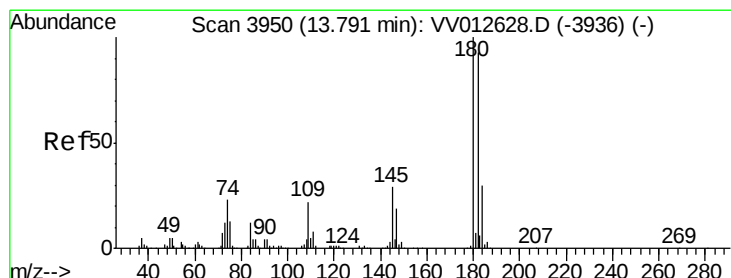
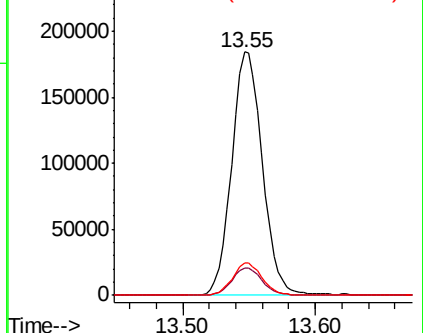
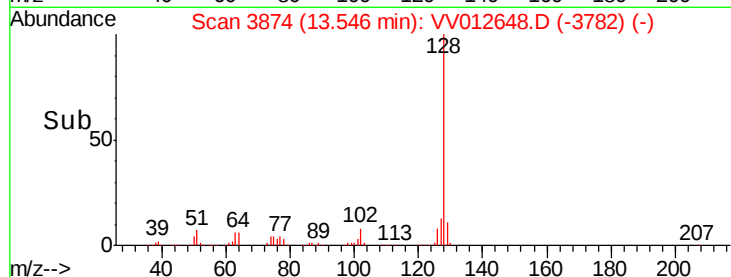
127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.032 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV012648.D

Acq: 10 Sep 2019 10:28

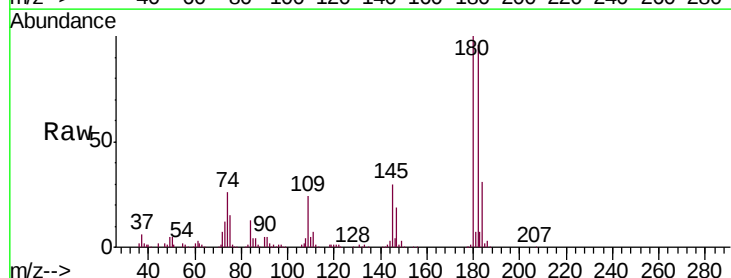
Tgt Ion:180 Resp: 198731

Ion Ratio Lower Upper

180 100

182 94.7 77.0 115.6

145 29.9 24.5 36.7



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

