

Data File : VV012989.D
Acq On : 26 Sep 2019 09:37
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

Quant Time: Sep 27 02:04:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM092319S.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 26 12:28:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	852291	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	811146	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	436583	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	294169	22.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.96%
7) Chloroethane-d5	1.58	69	248797	23.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.08%
10) 1,1-Dichloroethene-d2	2.13	63	508891	23.14	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.56%
20) 2-Butanone-d5	3.94	46	185959	40.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.46%
24) Chloroform-d	4.40	84	519041	22.17	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.68%
26) 1,2-Dichloroethane-d4	5.08	65	283532	20.83	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.32%
29) Benzene-d6	5.09	84	1067531	23.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.28%
33) 1,2-Dichloropropane-d6	6.11	67	325846	22.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.80%
37) Toluene-d8	7.35	98	979345	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.28%
38) trans-1,3-Dichloropropene-	7.66	79	132130	21.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.92%
39) 2-Hexanone-d5	8.13	63	126257	44.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.40%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	286448	21.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.00%
61) 1,2-Dichlorobenzene-d4	11.67	152	370661	21.85	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	87.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	265335	28.269 ug/L	99
3) Chloromethane	1.25	50	309300	25.233 ug/L	100
5) Vinyl chloride	1.32	62	321388	26.557 ug/L	99
6) Bromomethane	1.54	94	188792	24.991 ug/L	99
8) Chloroethane	1.60	64	194095	26.100 ug/L	99
9) Trichlorofluoromethane	1.77	101	429907	26.265 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	262898	25.130 ug/L	99
12) 1,1-Dichloroethene	2.14	96	242232	25.142 ug/L	95
13) Acetone	2.21	43	222911	45.932 ug/L	100
14) Carbon disulfide	2.32	76	768864	24.983 ug/L	99
15) Methyl Acetate	2.47	43	152922	20.316 ug/L	97
16) Methylene chloride	2.53	84	285895	22.442 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	626393	22.158 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	276213	24.221 ug/L	98
19) 1,1-Dichloroethane	3.23	63	506778	24.351 ug/L	99
21) 2-Butanone	4.03	43	241703	42.795 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	295832	23.703 ug/L	98

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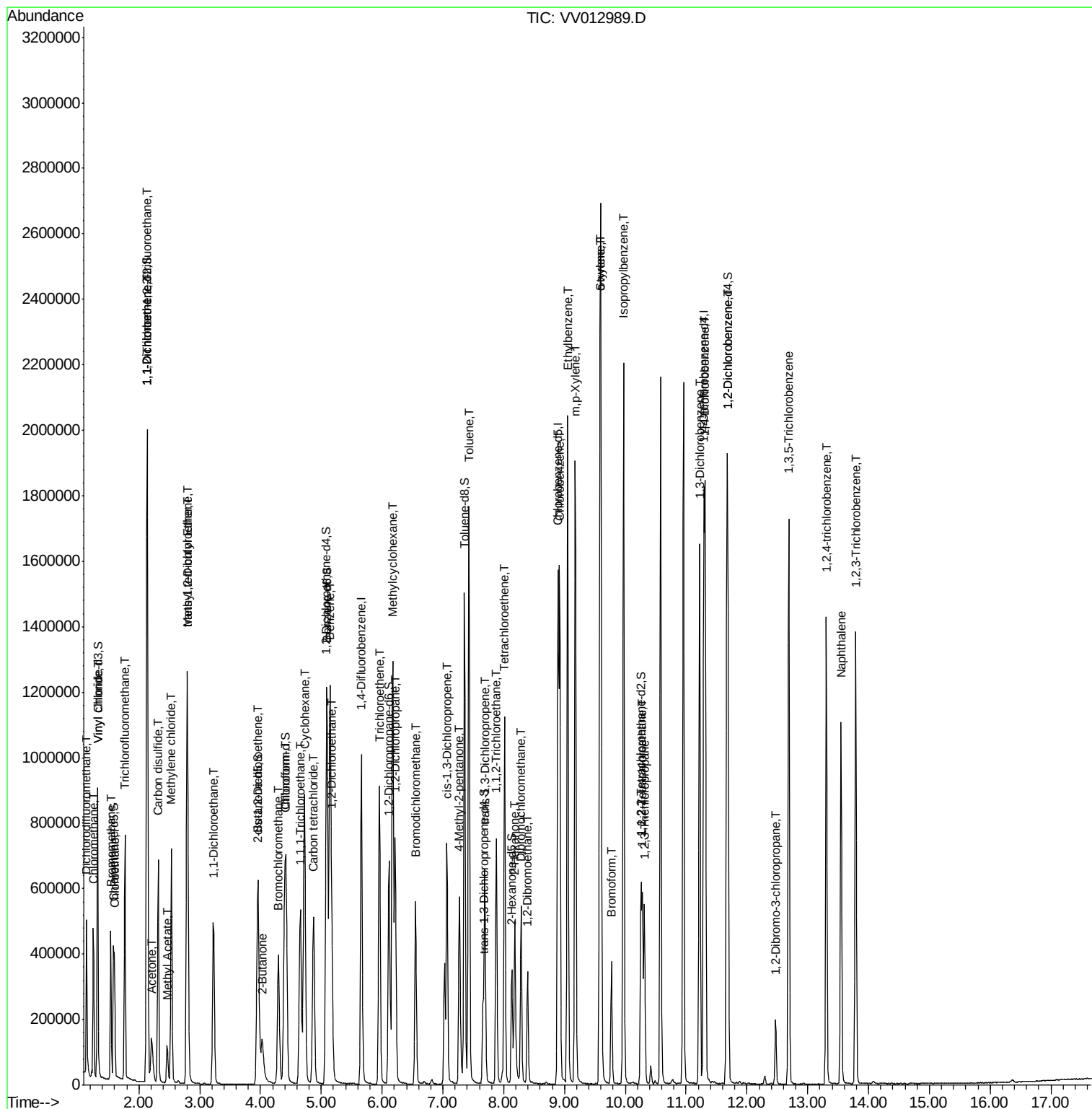
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	136709	22.175	ug/L	97
25) Chloroform	4.42	83	506675	23.220	ug/L	100
27) 1,2-Dichloroethane	5.17	62	342611	22.215	ug/L	99
30) Cyclohexane	4.72	56	484982	27.869	ug/L	100
31) 1,1,1-Trichloroethane	4.65	97	420542	26.196	ug/L	99
32) Carbon tetrachloride	4.87	117	378061	25.972	ug/L	99
34) Benzene	5.14	78	1155601	25.594	ug/L	100
35) Trichloroethene	5.95	95	307298	24.432	ug/L	99
36) Methylcyclohexane	6.17	83	523929	27.134	ug/L	99
40) 1,2-Dichloropropane	6.22	63	289319	24.640	ug/L	100
41) Bromodichloromethane	6.55	83	366255	24.353	ug/L	100
42) cis-1,3-Dichloropropene	7.07	75	429100	24.871	ug/L	98
43) 4-Methyl-2-pentanone	7.27	43	415574	43.079	ug/L	100
44) Toluene	7.43	91	1257720	26.411	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	353018	24.311	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	225754	22.647	ug/L	99
47) Tetrachloroethene	8.02	164	256648	25.105	ug/L	98
49) 2-Hexanone	8.18	43	331648	45.608	ug/L	97
50) Dibromochloromethane	8.29	129	265474	23.171	ug/L	100
51) 1,2-Dibromoethane	8.39	107	223690	22.899	ug/L	99
52) Chlorobenzene	8.92	112	798977	24.313	ug/L	99
53) Ethylbenzene	9.05	91	1390115	26.513	ug/L	99
54) m,p-Xylene	9.18	106	533136	26.746	ug/L	99
55) o-xylene	9.58	106	506425	26.664	ug/L	100
56) Styrene	9.60	104	884984	26.483	ug/L	98
57) Isopropylbenzene	9.97	105	1367290	27.393	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	271838	22.046	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	218505	21.470	ug/L	100
62) Bromoform	9.77	173	166367	22.456	ug/L	99
63) 1,3-Dichlorobenzene	11.22	146	658669	24.510	ug/L	98
64) 1,4-Dichlorobenzene	11.31	146	667343	23.661	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	613585	23.937	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	45926	20.209	ug/L	99
67) 1,3,5-Trichlorobenzene	12.69	180	526180	25.031	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	443658	24.135	ug/L	99
69) Naphthalene	13.55	128	841984	22.773	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	420341	23.783	ug/L	99

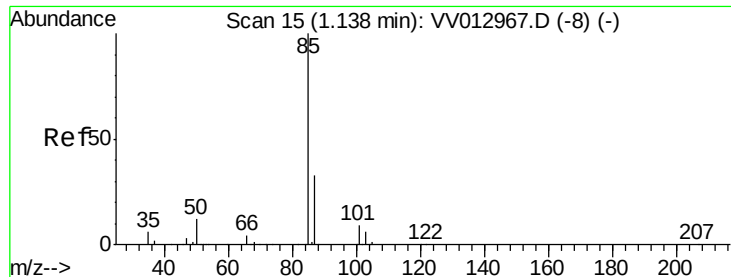
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 28.269 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

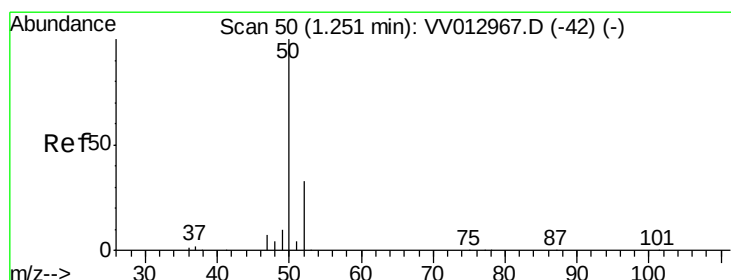
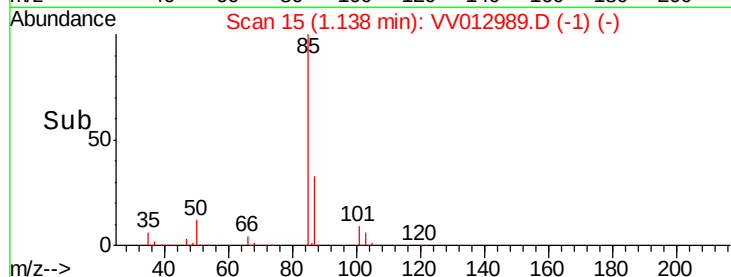
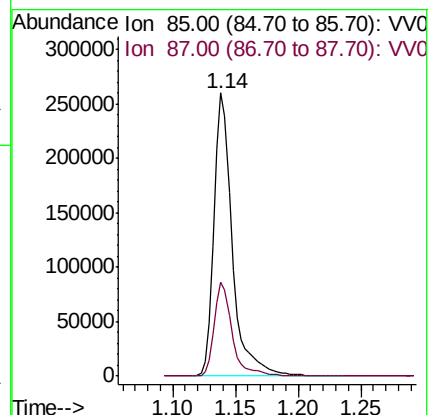
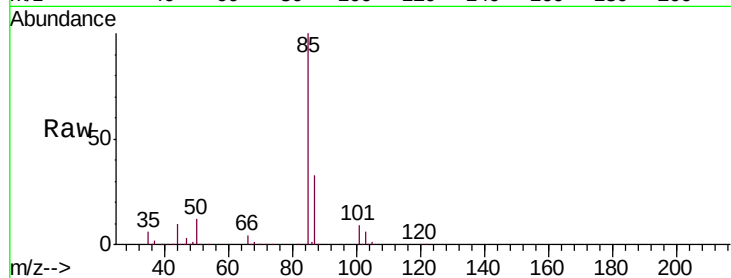
VSTD02573

Tgt Ion: 85 Resp: 265335

Ion Ratio Lower Upper

85 100

87 32.5 23.2 43.0



#3

Chloromethane

Concen: 25.233 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012989.D

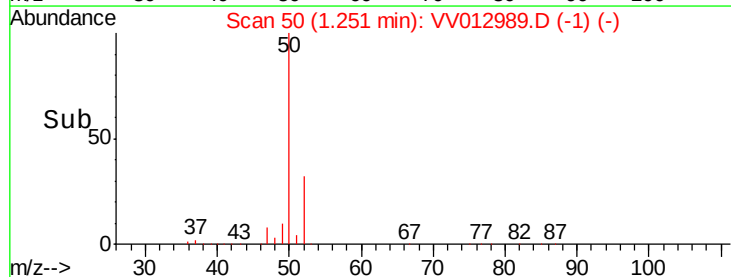
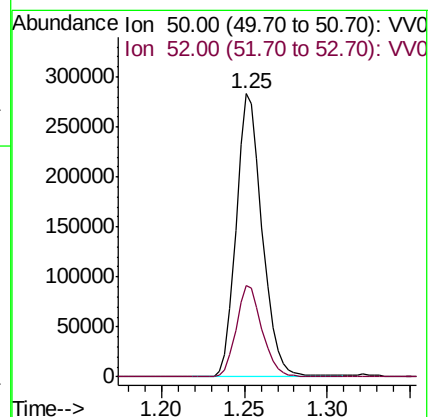
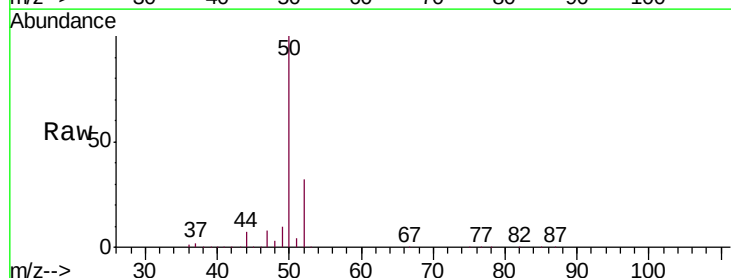
Acq: 26 Sep 2019 09:37

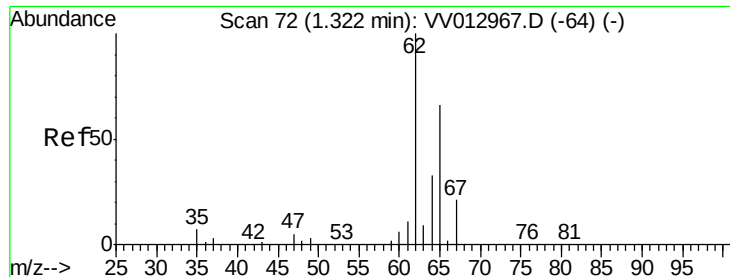
Tgt Ion: 50 Resp: 309300

Ion Ratio Lower Upper

50 100

52 32.3 22.7 42.1





#5

Vinyl chloride

Concen: 26.557 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

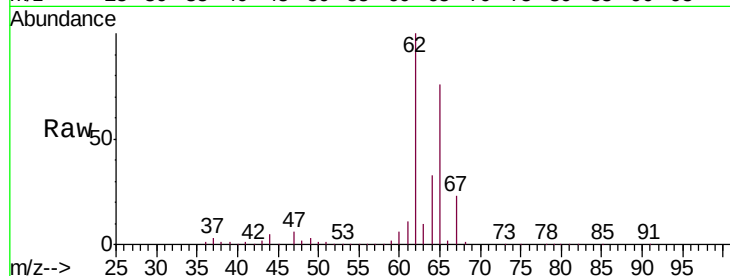
VSTD02573

Tgt Ion: 62 Resp: 321388

Ion Ratio Lower Upper

62 100

64 33.2 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

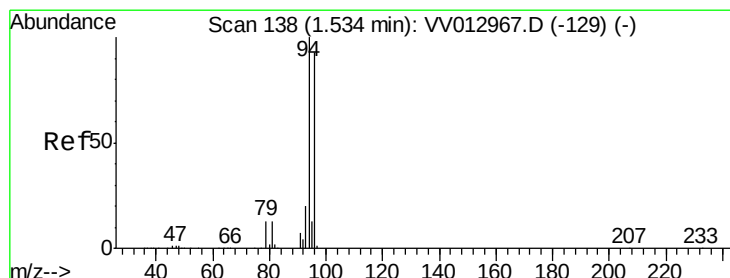
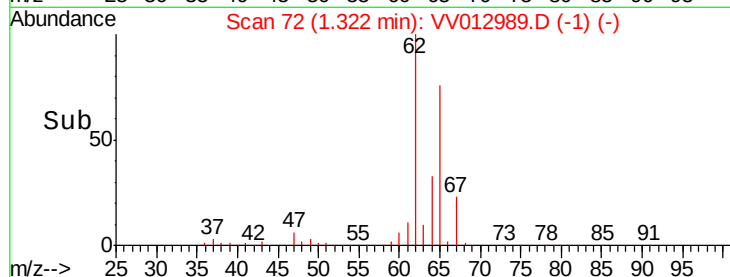
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 24.991 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012989.D

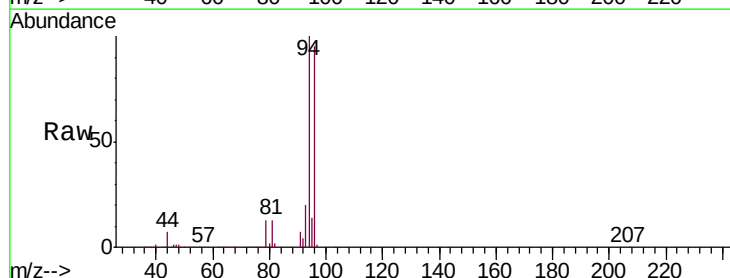
Acq: 26 Sep 2019 09:37

Tgt Ion: 94 Resp: 188792

Ion Ratio Lower Upper

94 100

96 94.5 9.4 177.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

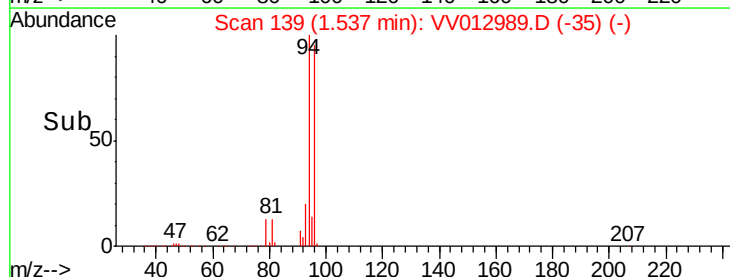
150000

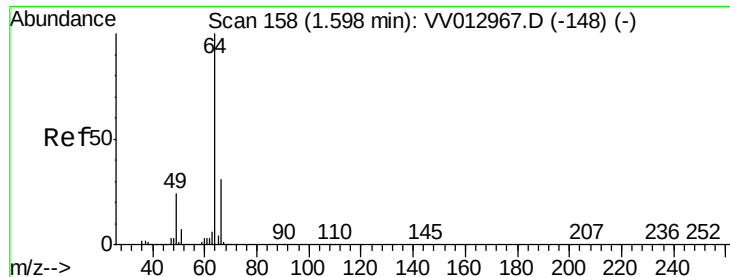
100000

50000

0

Time-->

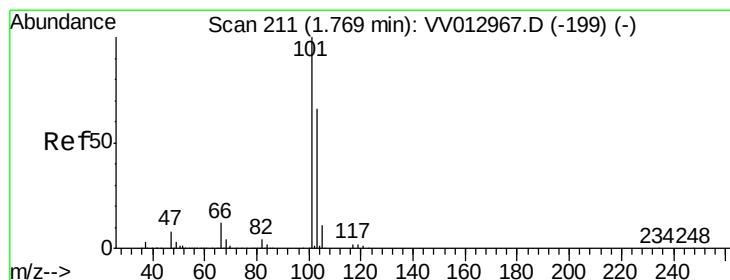
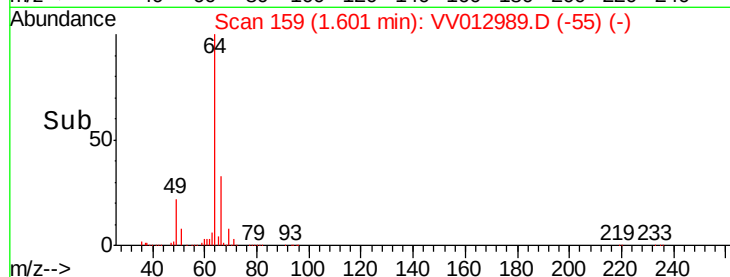
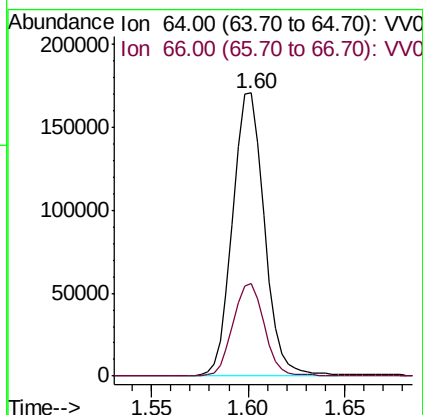
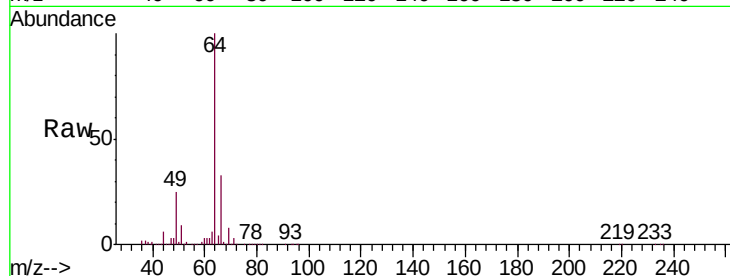




#8
Chloroethane
Concen: 26.100 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV012989.D
Acq: 26 Sep 2019 09:37

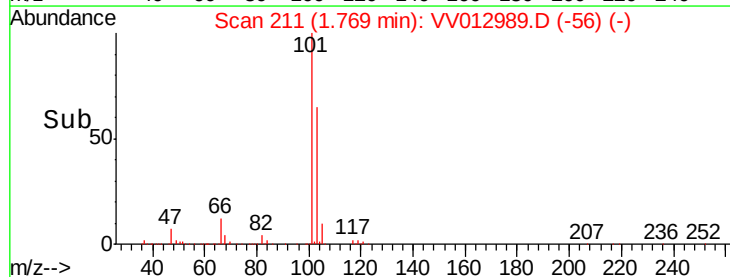
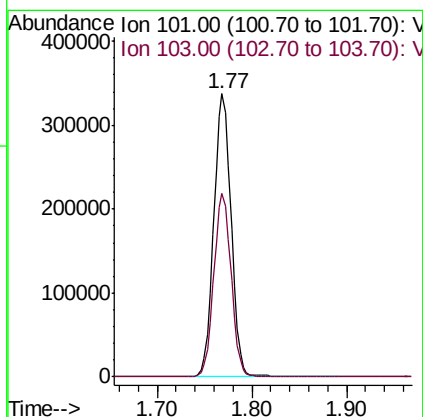
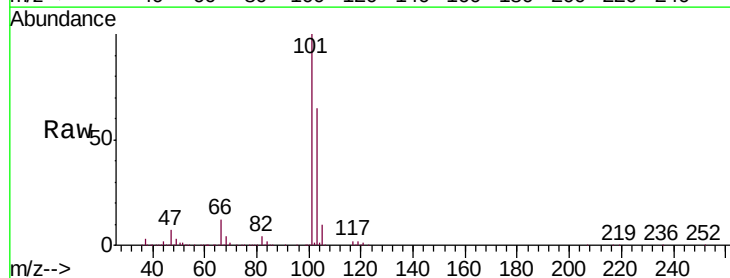
Instrument :
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ClientSampleId :
VSTD02573

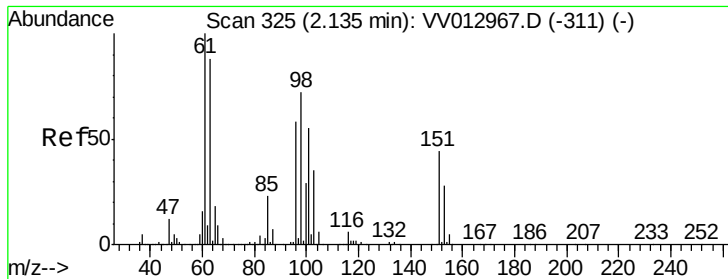
Tgt Ion: 64 Resp: 194095
Ion Ratio Lower Upper
64 100
66 32.5 22.2 41.2



#9
Trichlorofluoromethane
Concen: 26.265 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012989.D
Acq: 26 Sep 2019 09:37

Tgt Ion: 101 Resp: 429907
Ion Ratio Lower Upper
101 100
103 64.7 45.1 83.9





#11

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

Concen: 25.130 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

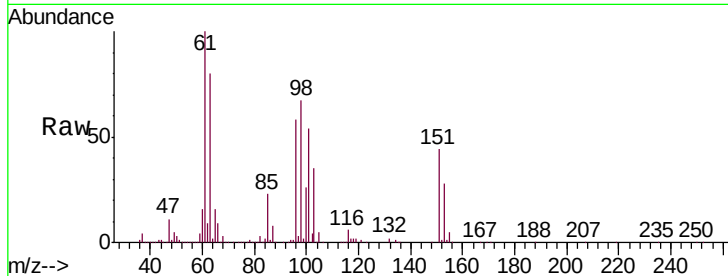
Tgt Ion: 101 Resp: 262898

Ion Ratio Lower Upper

101 100

85 42.2 32.6 49.0

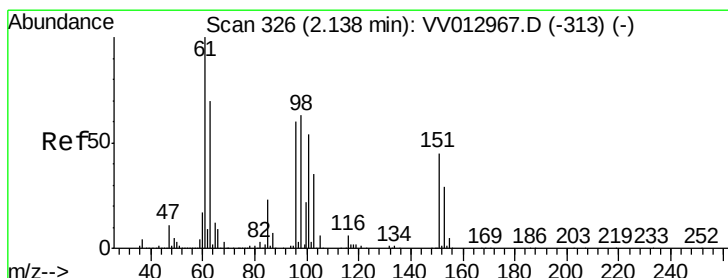
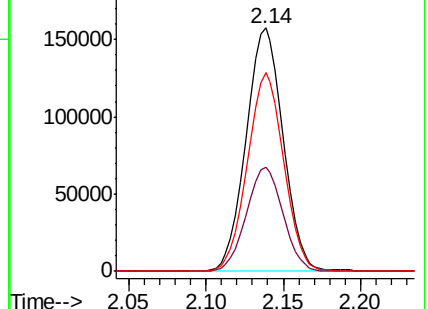
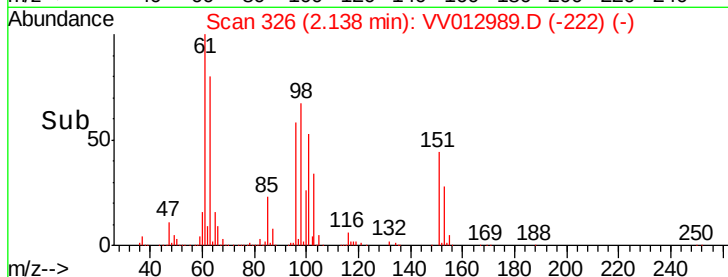
151 80.3 64.2 96.4



Abundance Ion 101.00 (100.70 to 101.70): VV012989.D (-222) (-)

Ion 85.00 (84.70 to 85.70): VV012989.D (-222) (-)

Ion 151.00 (150.70 to 151.70): VV012989.D (-222) (-)



#12

1,1-Dichloroethene

Concen: 25.142 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

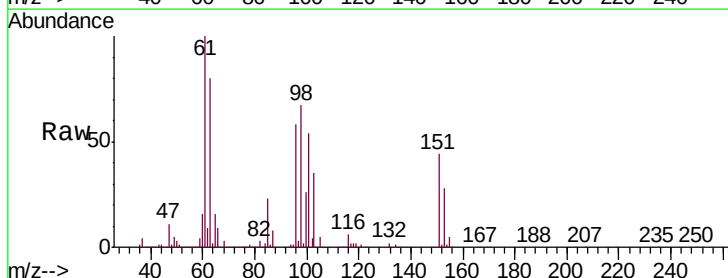
Tgt Ion: 96 Resp: 242232

Ion Ratio Lower Upper

96 100

61 172.3 117.2 217.8

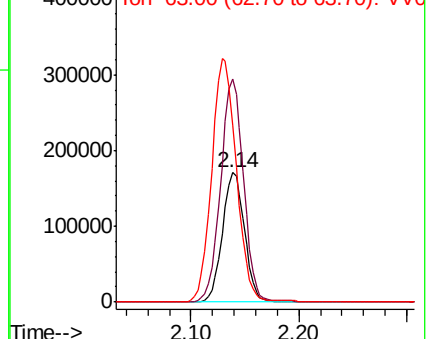
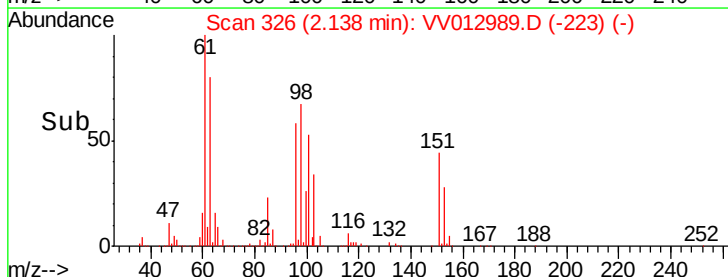
63 137.1 89.6 166.4

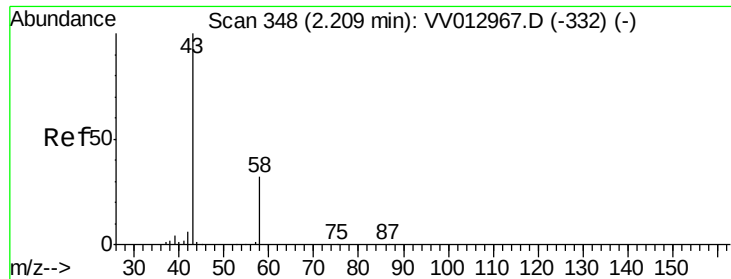


Abundance Ion 96.00 (95.70 to 96.70): VV012989.D (-223) (-)

Ion 61.00 (60.70 to 61.70): VV012989.D (-223) (-)

Ion 63.00 (62.70 to 63.70): VV012989.D (-223) (-)





#13

Acetone

Concen: 45.932 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

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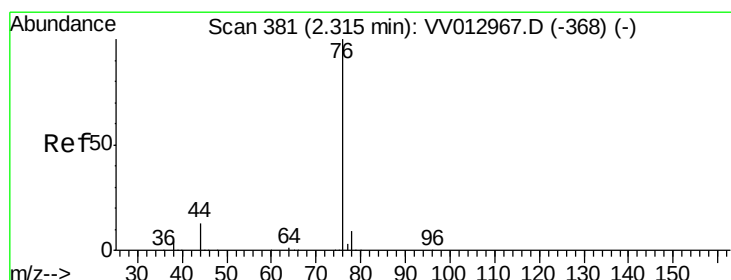
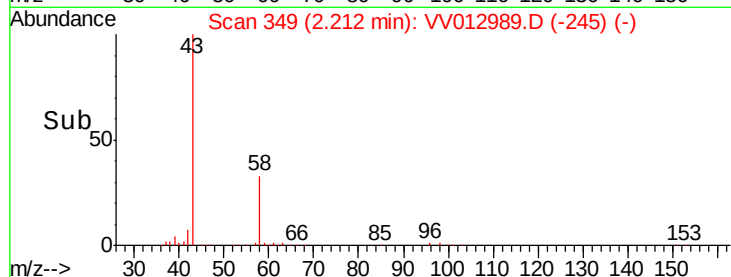
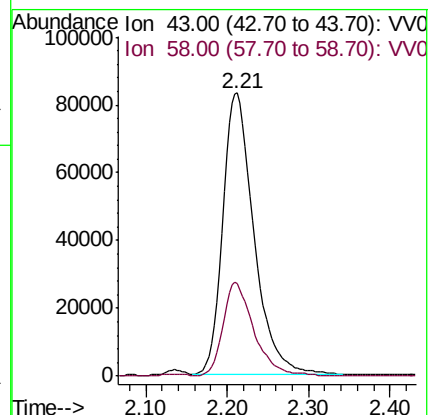
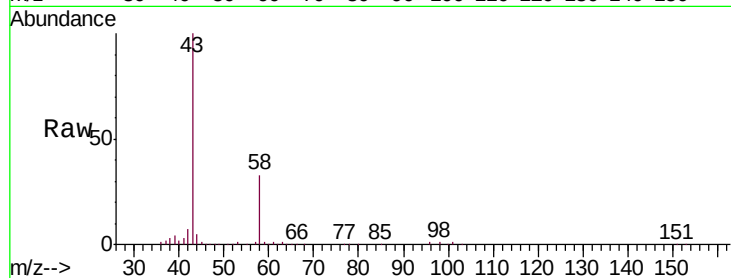
VSTD02573

Tgt Ion: 43 Resp: 222911

Ion Ratio Lower Upper

43 100

58 32.5 0.0 65.0



#14

Carbon disulfide

Concen: 24.983 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012989.D

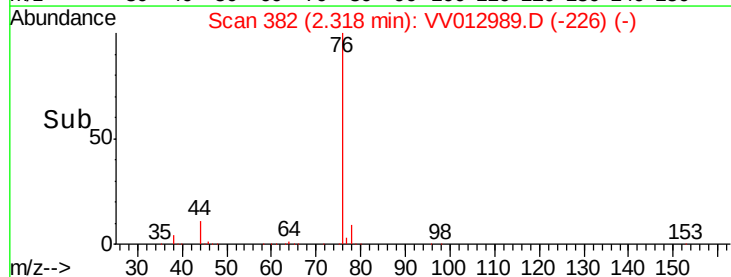
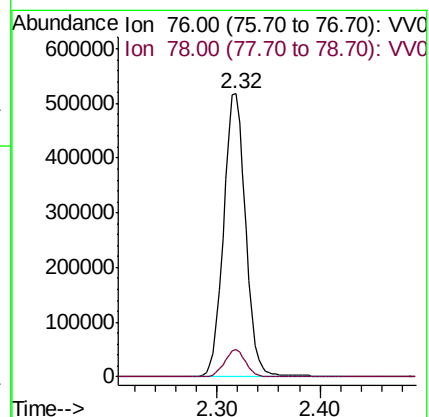
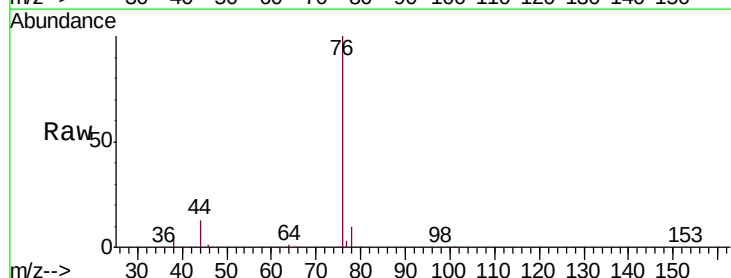
Acq: 26 Sep 2019 09:37

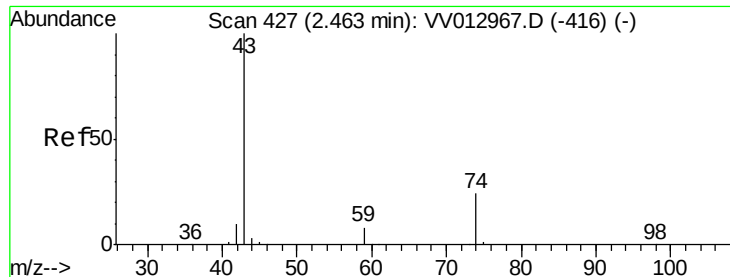
Tgt Ion: 76 Resp: 768864

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9

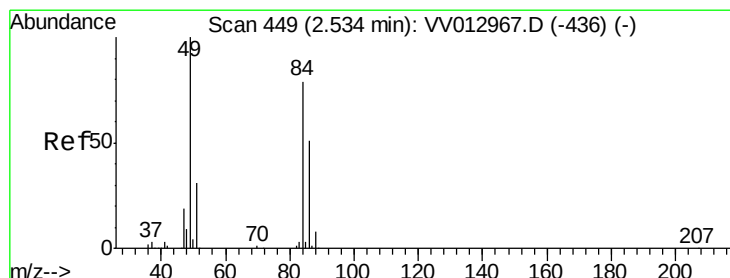
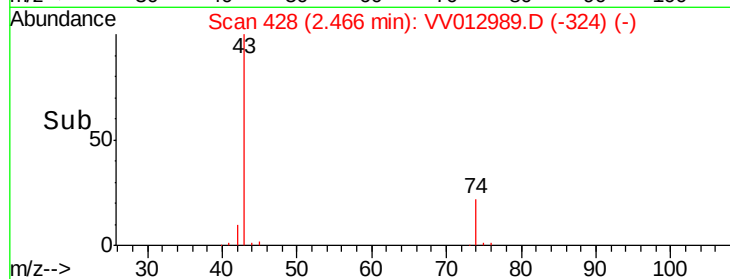
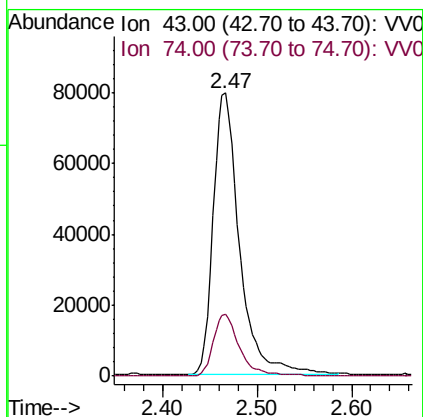
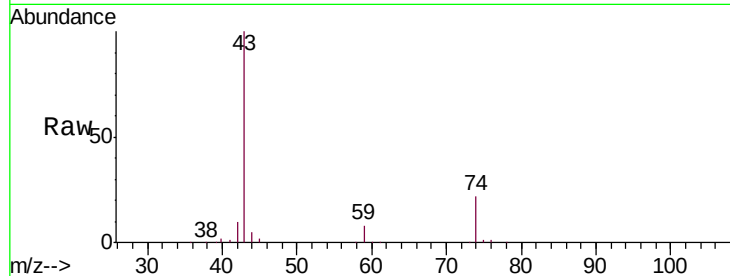




#15
Methyl Acetate
Concen: 20.316 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VV012989.D
Acq: 26 Sep 2019 09:37

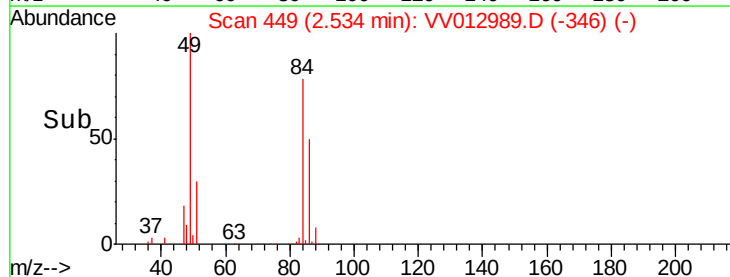
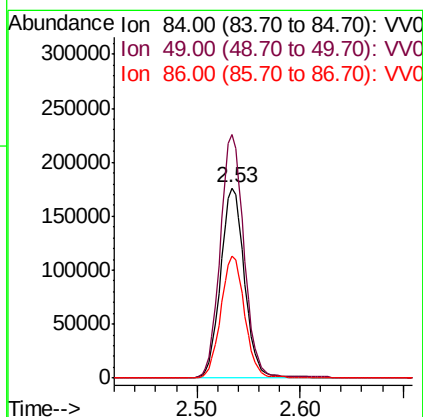
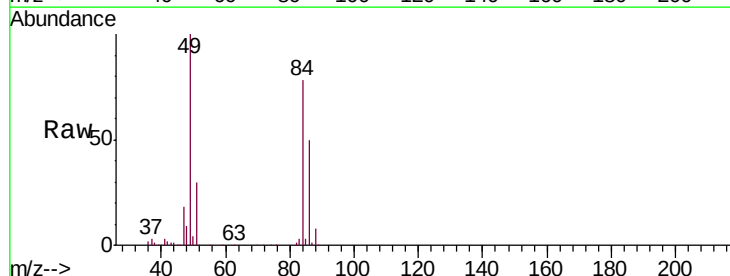
Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

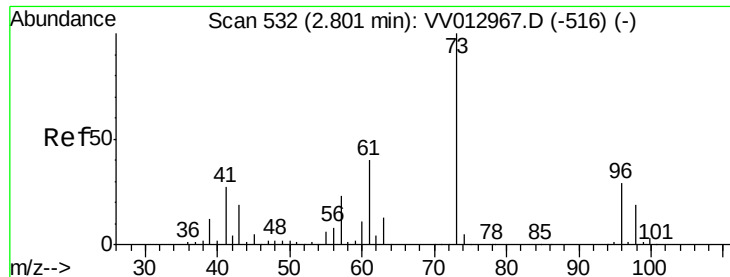
Tgt Ion: 43 Resp: 152922
Ion Ratio Lower Upper
43 100
74 22.2 18.8 28.2



#16
Methylene chloride
Concen: 22.442 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV012989.D
Acq: 26 Sep 2019 09:37

Tgt Ion: 84 Resp: 285895
Ion Ratio Lower Upper
84 100
49 127.9 88.3 164.1
86 63.8 44.9 83.3

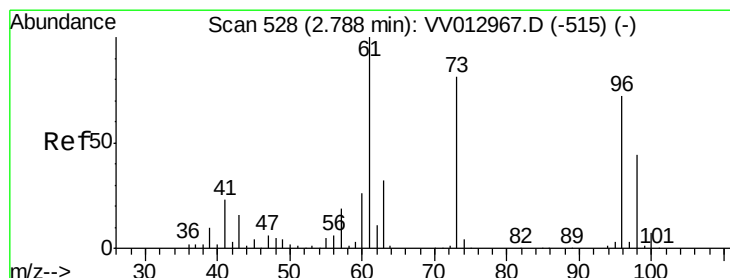
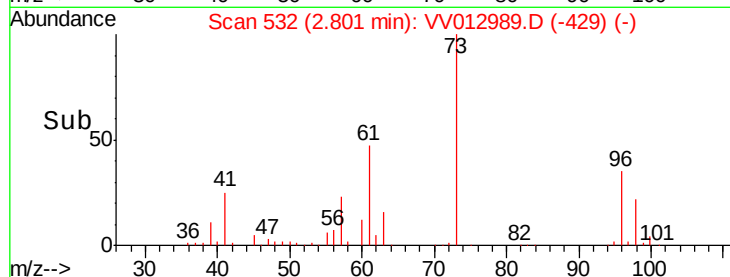
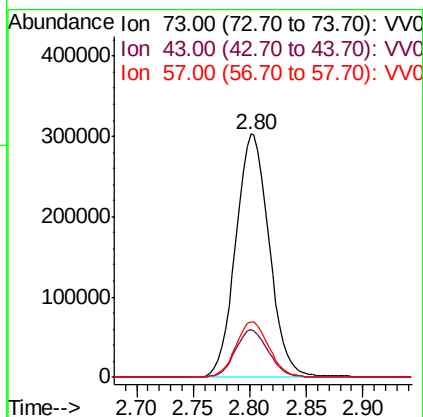
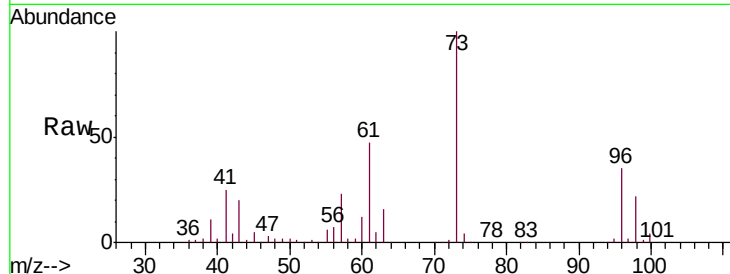




#17
Methyl tert-butyl Ether
Concen: 22.158 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.00 min
Lab File: VV012989.D
Acq: 26 Sep 2019 09:37

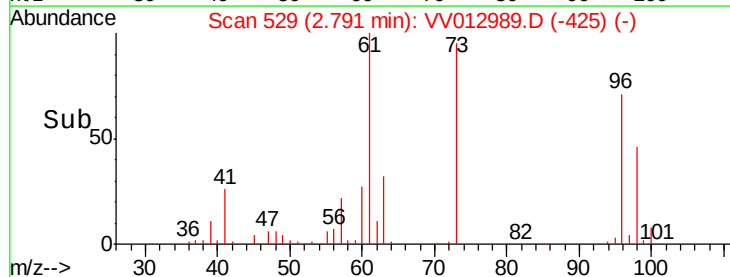
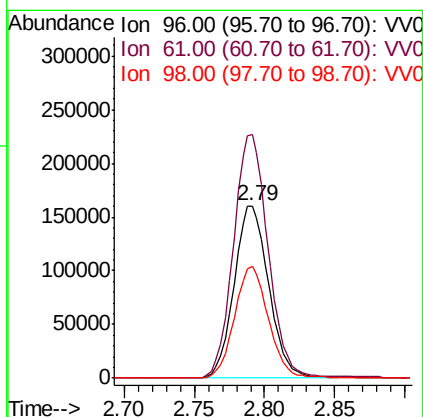
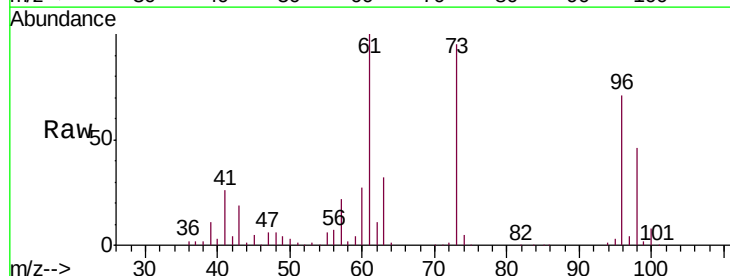
Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

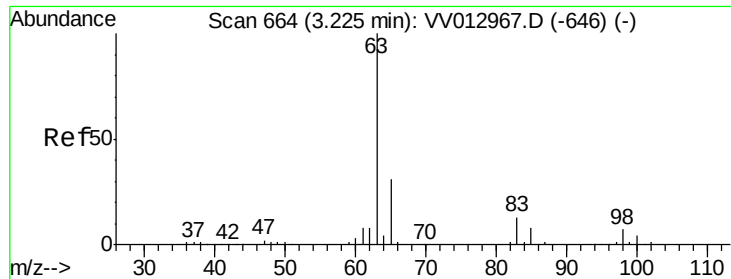
Tgt Ion: 73 Resp: 626393
Ion Ratio Lower Upper
73 100
43 19.4 15.0 22.6
57 22.7 18.3 27.5



#18
trans-1,2-Dichloroethene
Concen: 24.221 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV012989.D
Acq: 26 Sep 2019 09:37

Tgt Ion: 96 Resp: 276213
Ion Ratio Lower Upper
96 100
61 141.1 96.8 179.8
98 64.5 44.8 83.2

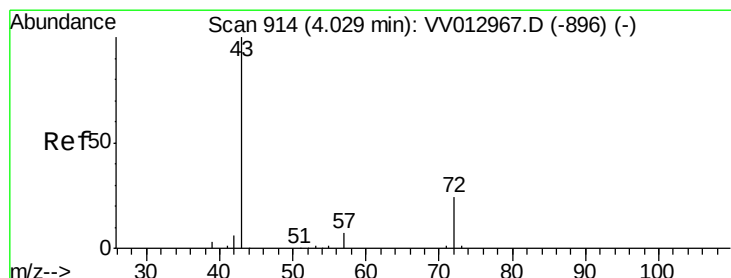
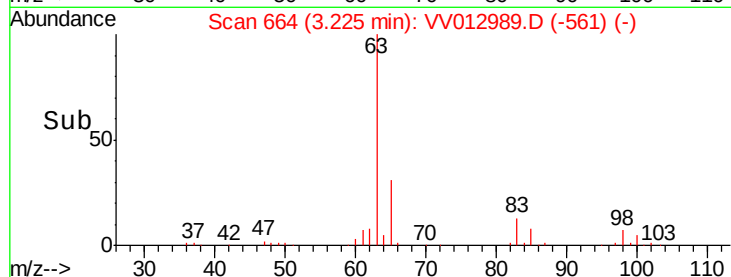
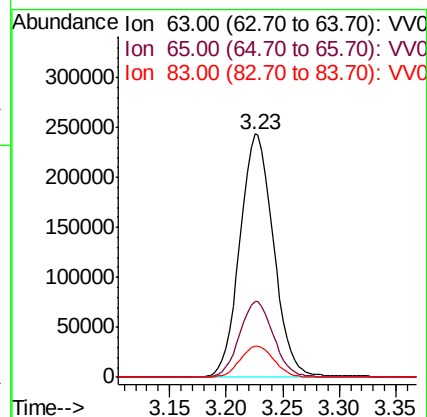
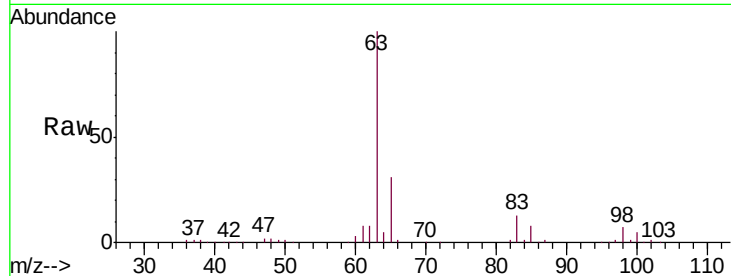




#19
 1,1-Dichloroethane
 Concen: 24.351 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

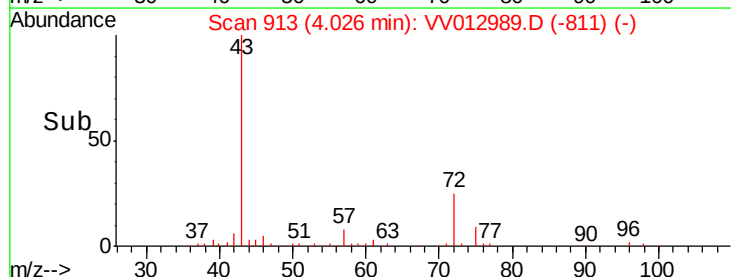
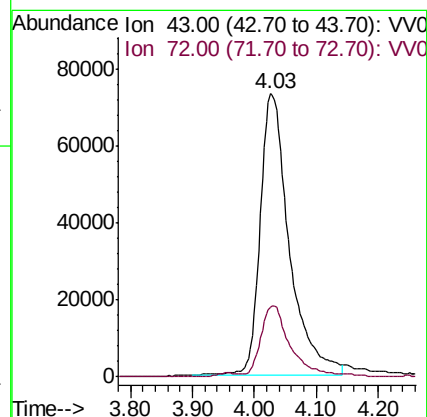
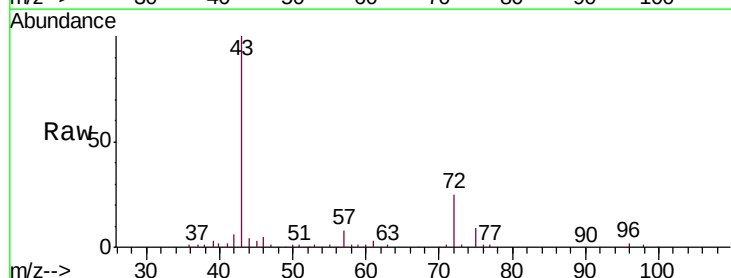
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

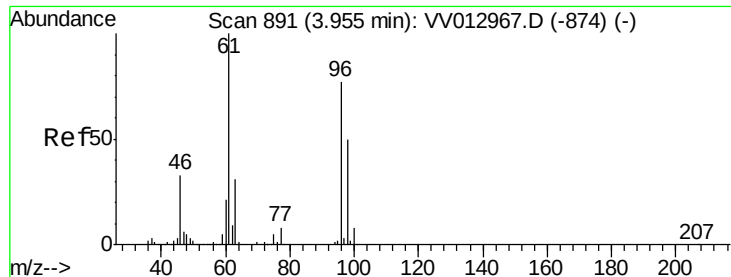
Tgt Ion: 63 Resp: 506778
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.0 41.0
 83 13.0 9.2 17.0



#21
 2-Butanone
 Concen: 42.795 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

Tgt Ion: 43 Resp: 241703
 Ion Ratio Lower Upper
 43 100
 72 23.3 11.9 35.9



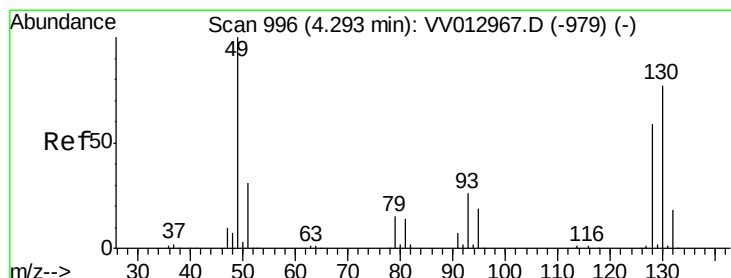
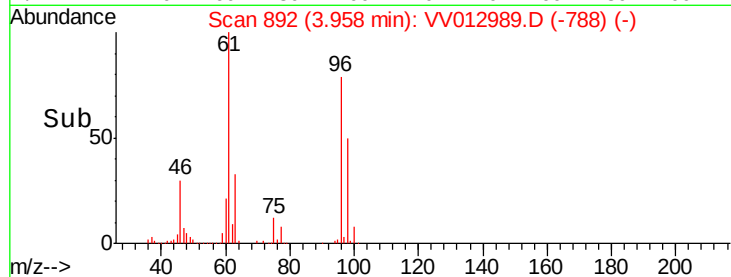
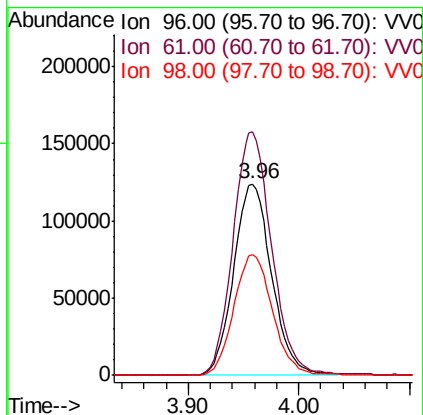
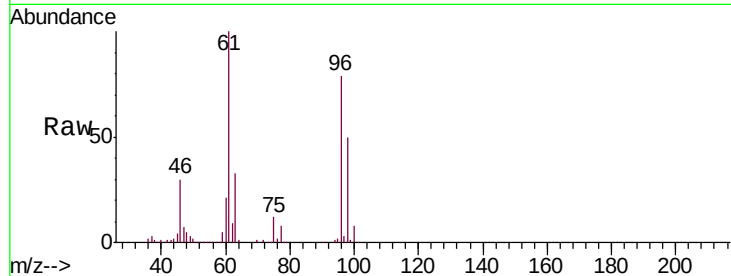


#22

cis-1,2-Dichloroethene
 Concen: 23.703 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

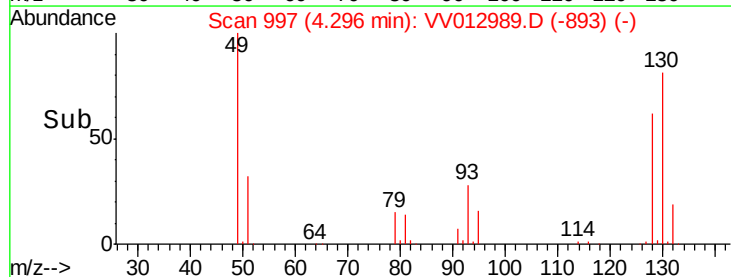
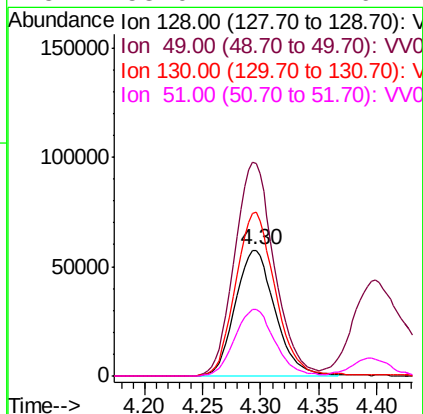
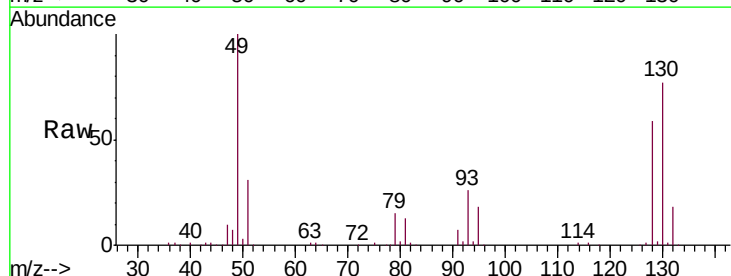
Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.3	90.9	168.7
98	63.2	45.6	84.6

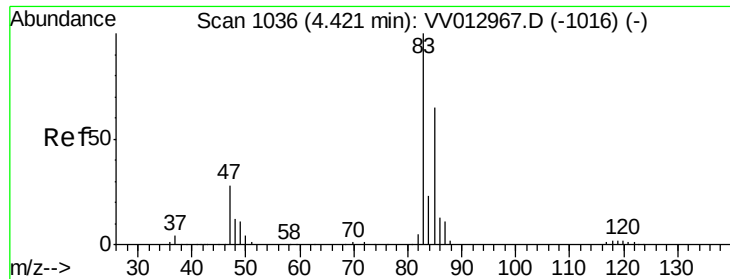


#23

Bromochloromethane
 Concen: 22.175 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
128	100		
49	168.5	114.4	212.6
130	129.7	88.5	164.4
51	53.0	41.4	62.2

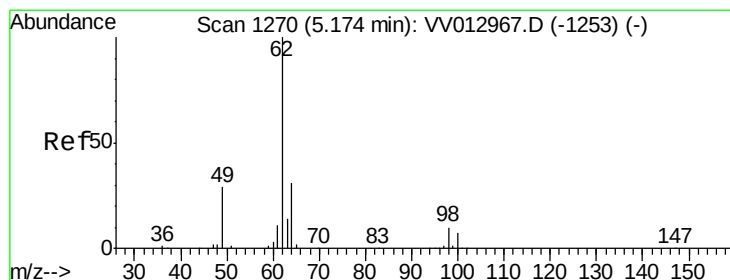
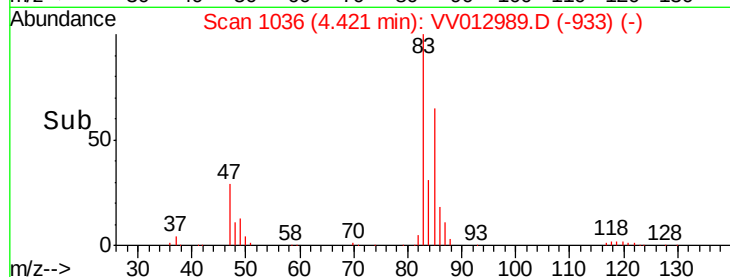
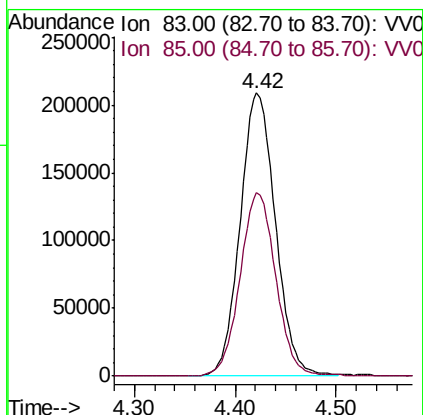
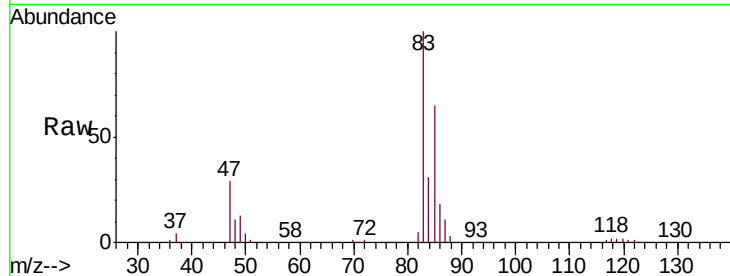




#25
Chloroform
Concen: 23.220 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012989.D
Acq: 26 Sep 2019 09:37

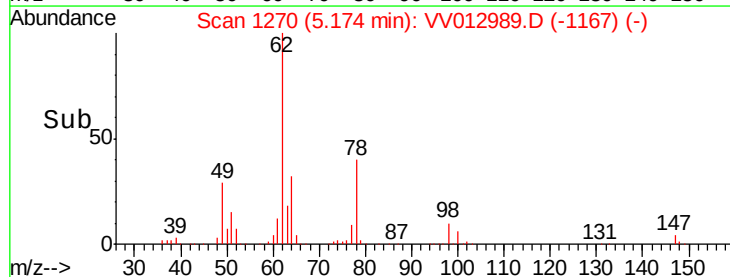
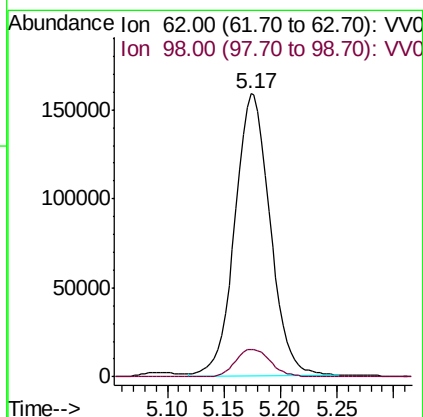
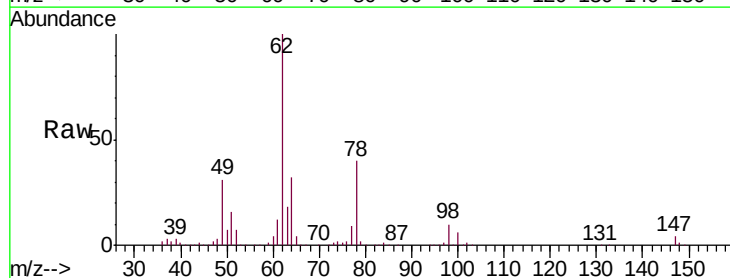
Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

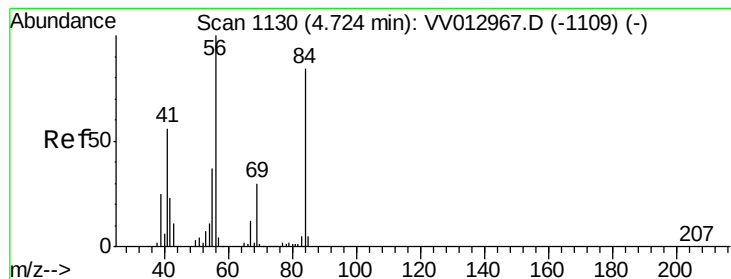
Tgt Ion: 83 Resp: 506675
Ion Ratio Lower Upper
83 100
85 65.7 45.8 85.0



#27
1,2-Dichloroethane
Concen: 22.215 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VV012989.D
Acq: 26 Sep 2019 09:37

Tgt Ion: 62 Resp: 342611
Ion Ratio Lower Upper
62 100
98 9.8 8.2 12.4





#30

Cyclohexane

Concen: 27.869 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

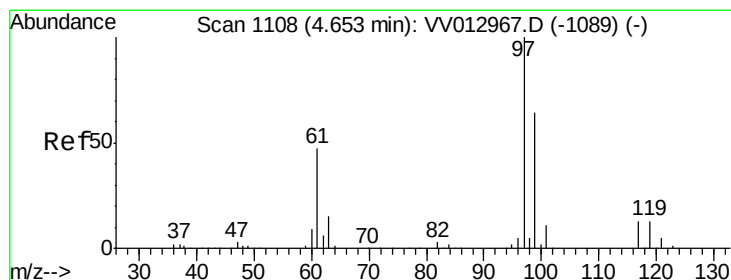
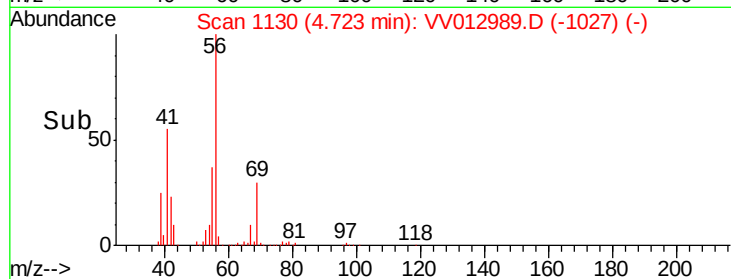
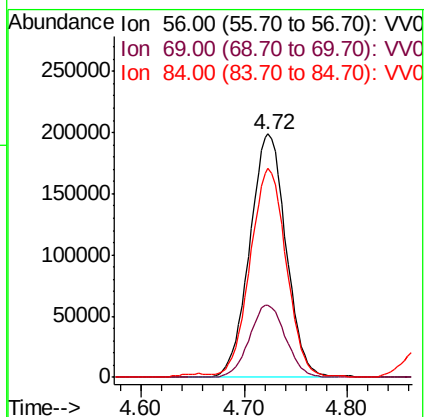
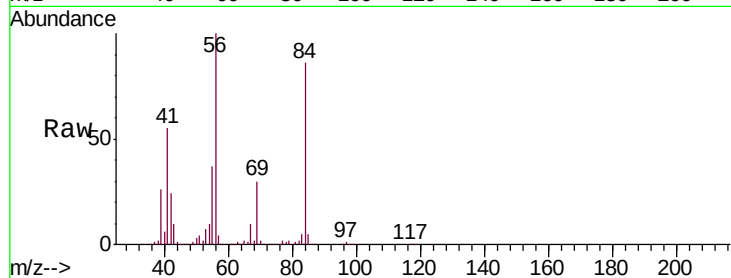
Tgt Ion: 56 Resp: 484982

Ion Ratio Lower Upper

56 100

69 29.7 23.8 35.8

84 85.2 68.4 102.6



#31

1,1,1-Trichloroethane

Concen: 26.196 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

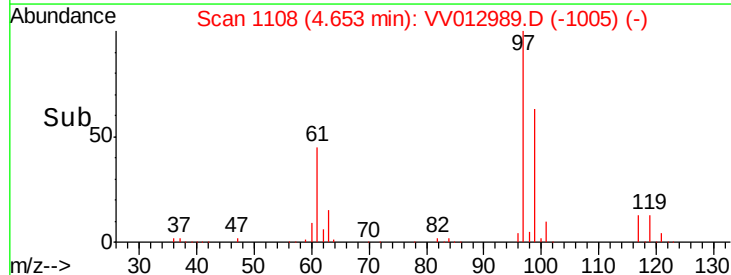
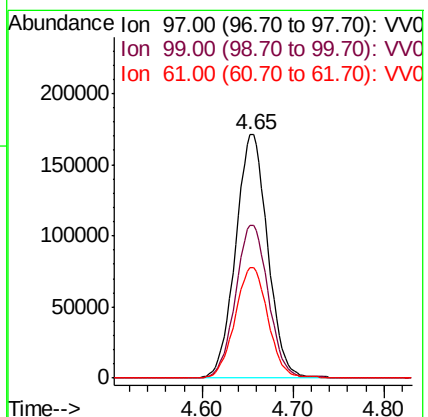
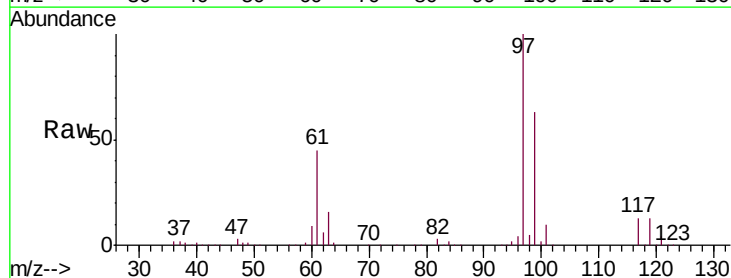
Tgt Ion: 97 Resp: 420542

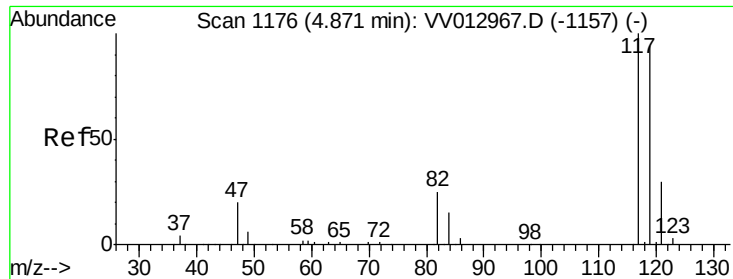
Ion Ratio Lower Upper

97 100

99 63.8 51.7 77.5

61 46.2 37.8 56.8





#32

Carbon tetrachloride

Concen: 25.972 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

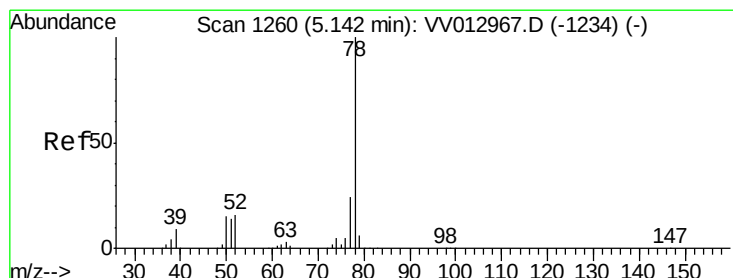
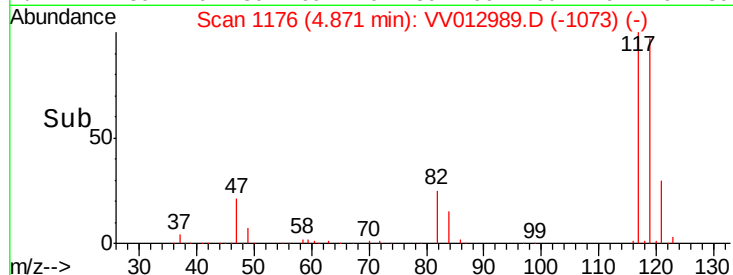
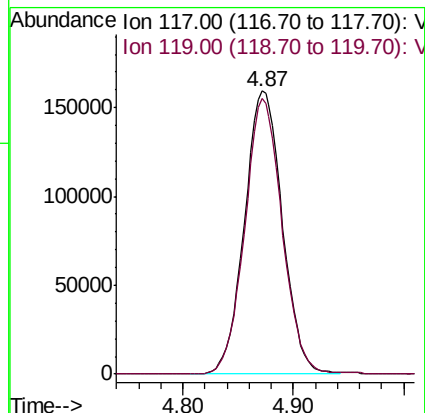
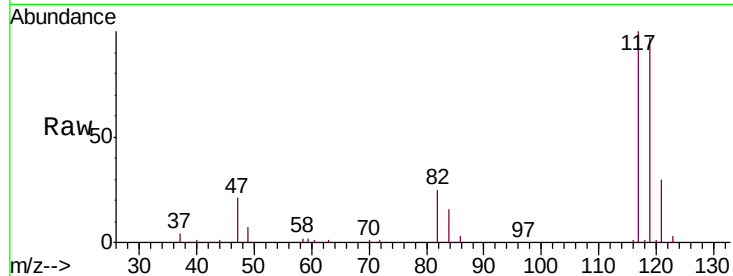
VSTD02573

Tgt Ion:117 Resp: 378061

Ion Ratio Lower Upper

117 100

119 96.3 76.0 114.0



#34

Benzene

Concen: 25.594 ug/L

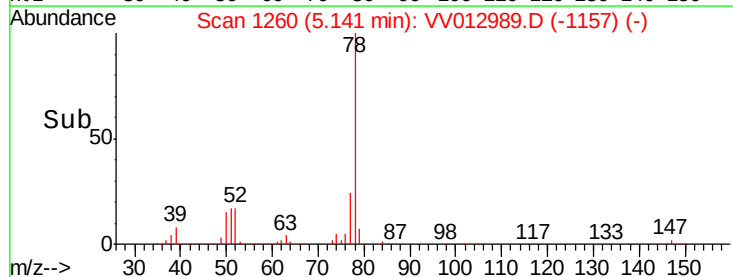
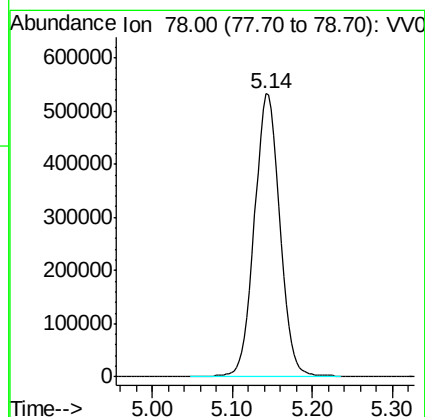
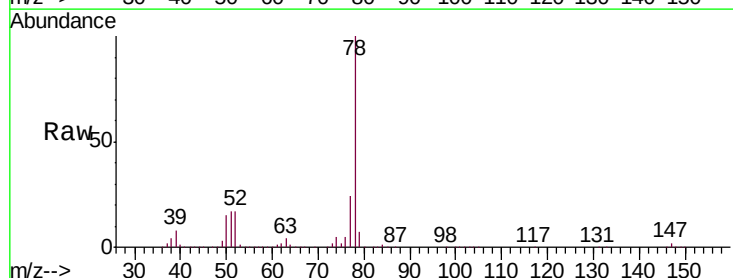
RT: 5.14 min Scan# 1260

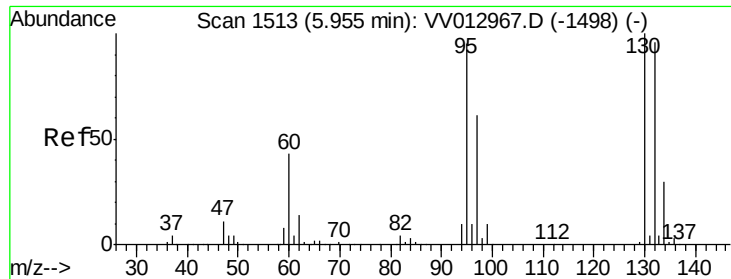
Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Tgt Ion: 78 Resp: 1155601





#35

Trichloroethene

Concen: 24.432 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

Tgt Ion: 95 Resp: 307298

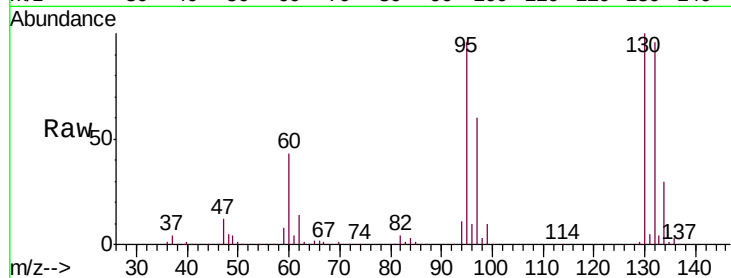
Ion Ratio Lower Upper

95 100

97 64.1 44.7 82.9

132 100.9 70.1 130.1

130 105.8 73.3 136.1



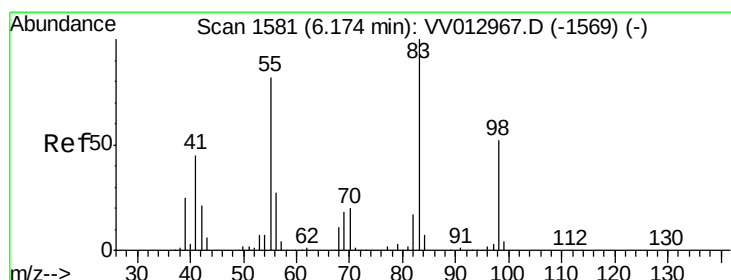
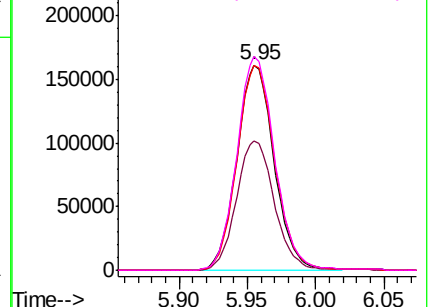
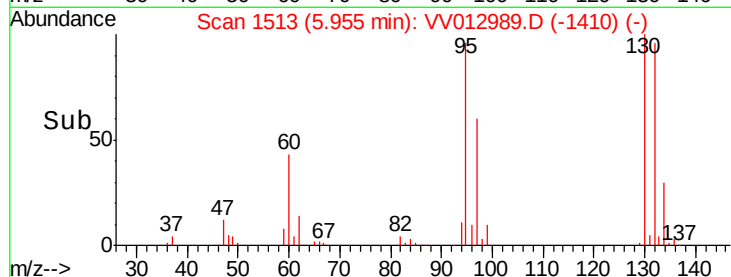
Abundance

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: 27.134 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

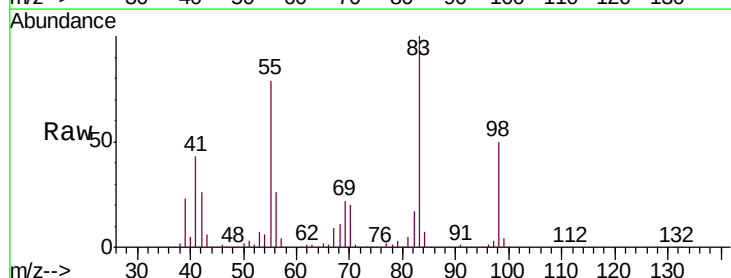
Tgt Ion: 83 Resp: 523929

Ion Ratio Lower Upper

83 100

55 78.3 61.8 92.8

98 49.1 39.3 58.9

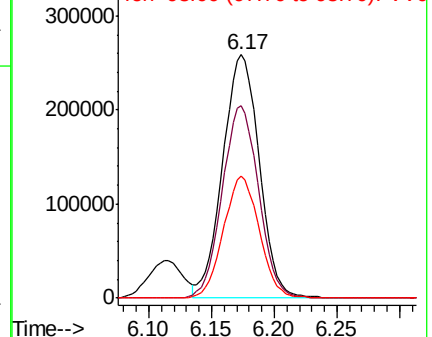
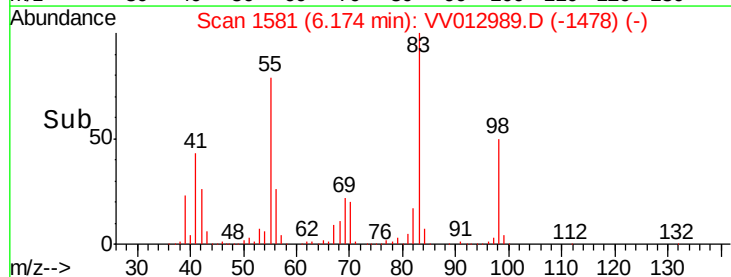


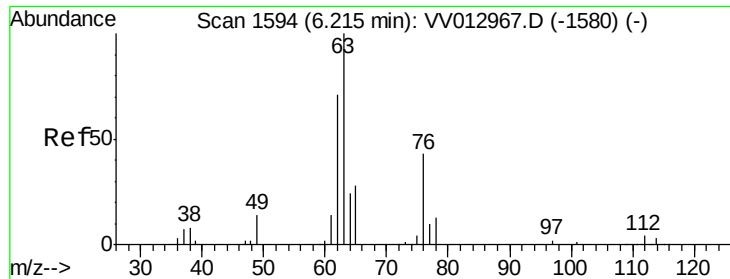
Abundance

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

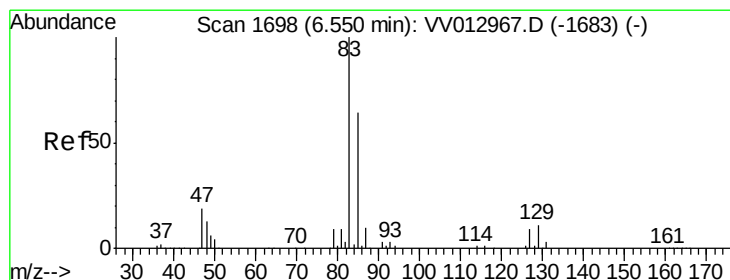
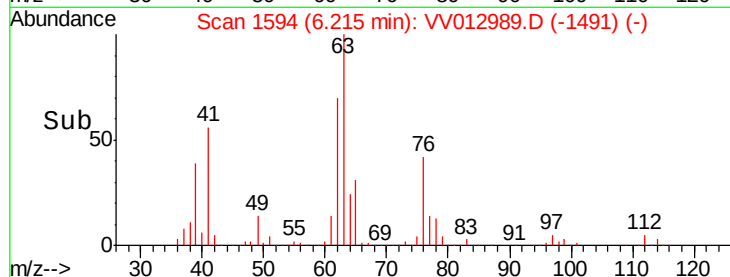
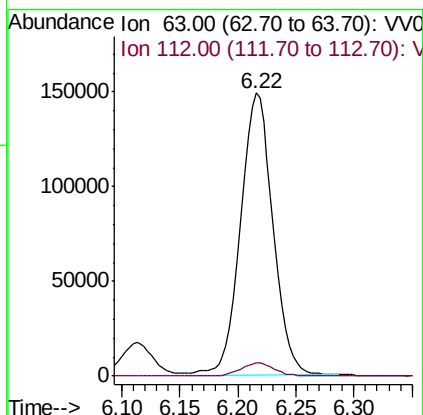
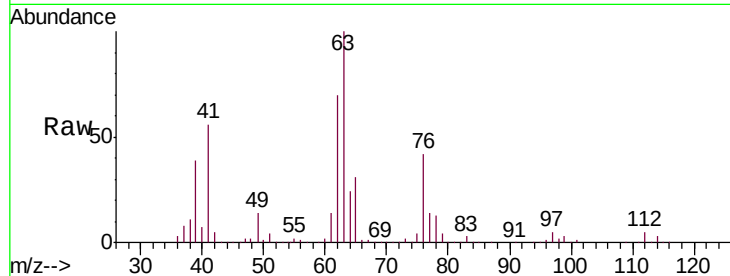




#40
 1,2-Dichloropropane
 Concen: 24.640 ug/L
 RT: 6.22 min Scan# 1594
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

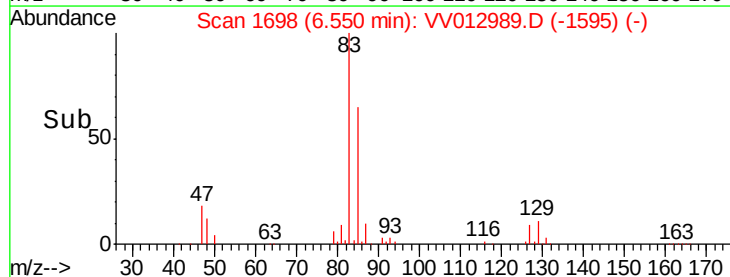
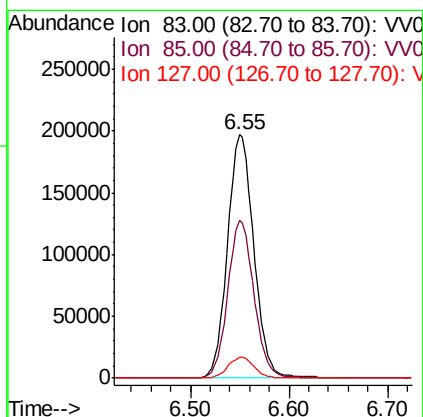
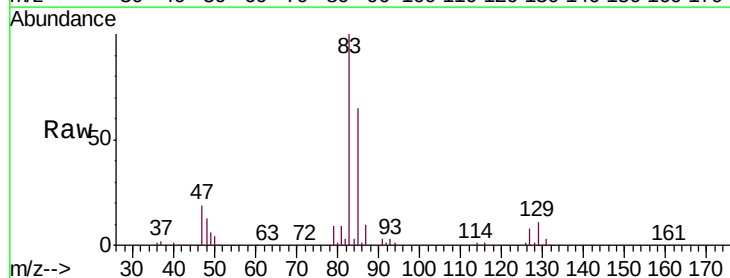
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

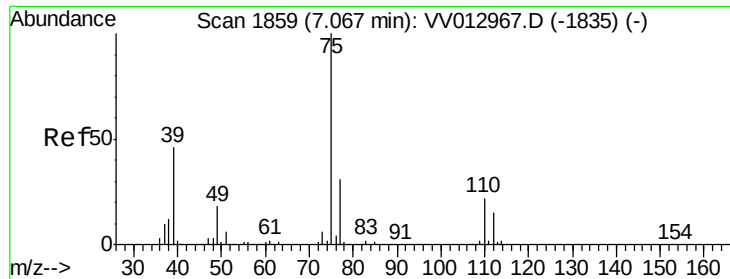
Tgt Ion: 63 Resp: 289319
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#41
 Bromodichloromethane
 Concen: 24.353 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

Tgt Ion: 83 Resp: 366255
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.3 84.1
 127 8.5 7.2 10.8





#42

cis-1,3-Dichloropropene

Concen: 24.871 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampled :

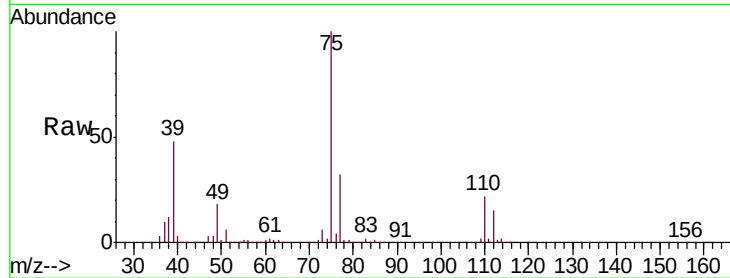
VSTD02573

Tgt Ion: 75 Resp: 429100

Ion Ratio Lower Upper

75 100

77 31.7 21.5 39.9



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

250000

200000

150000

100000

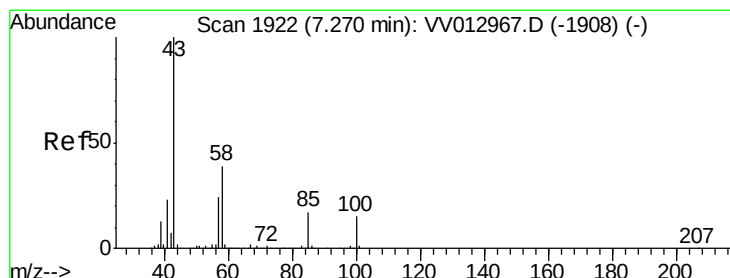
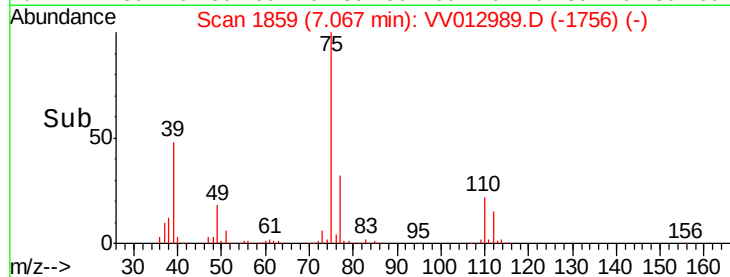
50000

0

7.00

7.10

Time-->



#43

4-Methyl-2-pentanone

Concen: 43.079 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

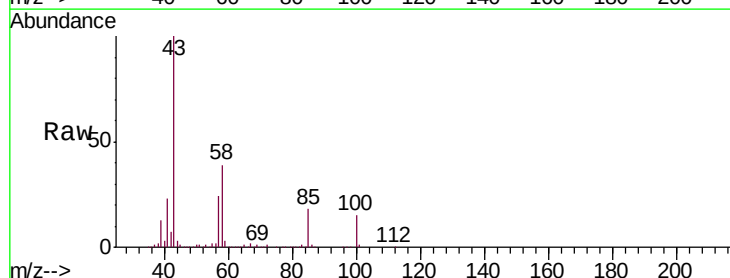
Tgt Ion: 43 Resp: 415574

Ion Ratio Lower Upper

43 100

58 38.9 31.2 46.8

100 15.1 12.2 18.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

500000

400000

300000

200000

100000

0

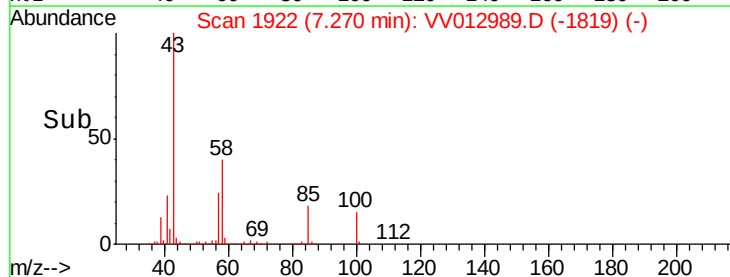
7.20

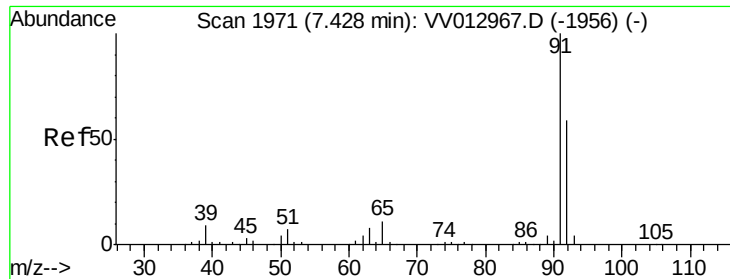
7.25

7.30

7.35

Time-->





#44

Toluene

Concen: 26.411 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

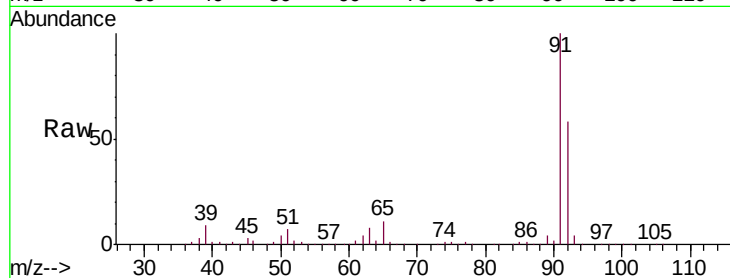
VSTD02573

Tgt Ion: 91 Resp: 1257720

Ion Ratio Lower Upper

91 100

92 58.4 41.3 76.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

800000

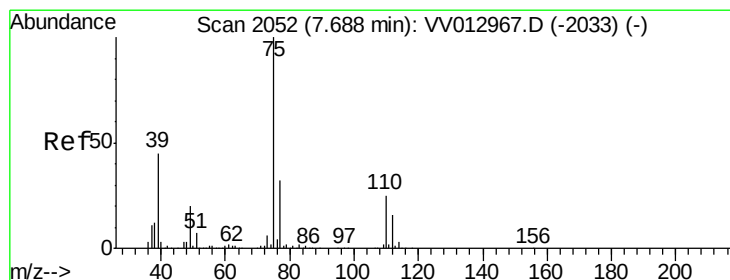
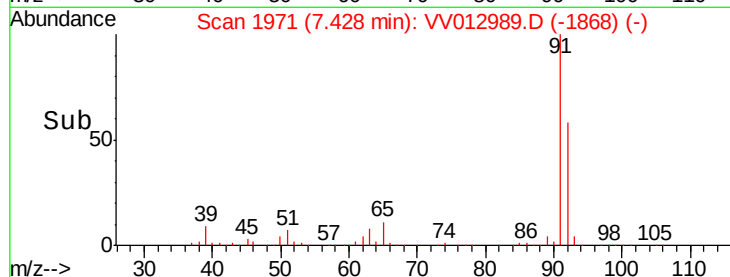
600000

400000

200000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.311 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV012989.D

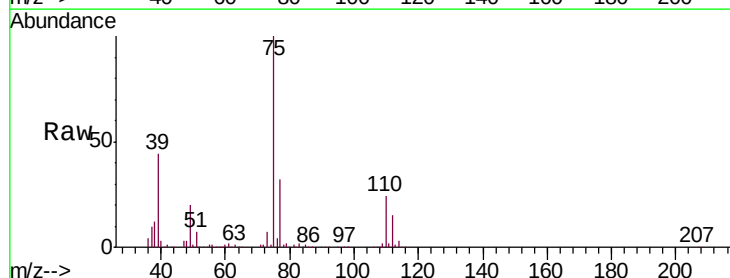
Acq: 26 Sep 2019 09:37

Tgt Ion: 75 Resp: 353018

Ion Ratio Lower Upper

75 100

77 32.0 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

250000

200000

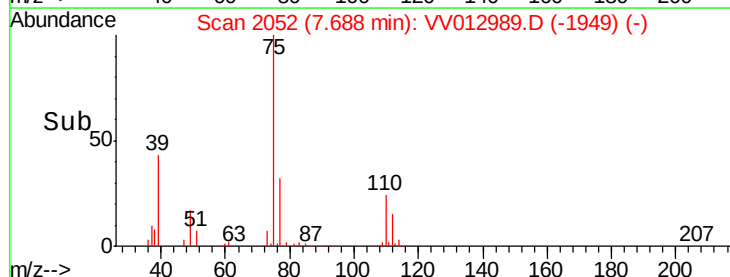
150000

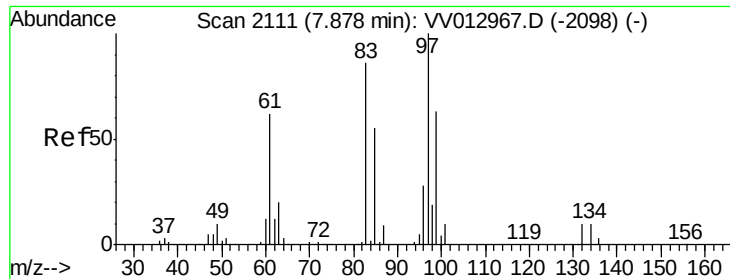
100000

50000

0

Time-->

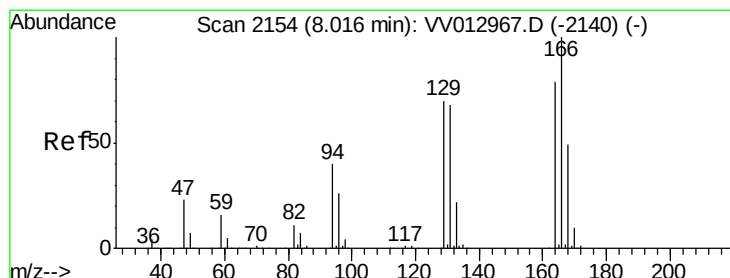
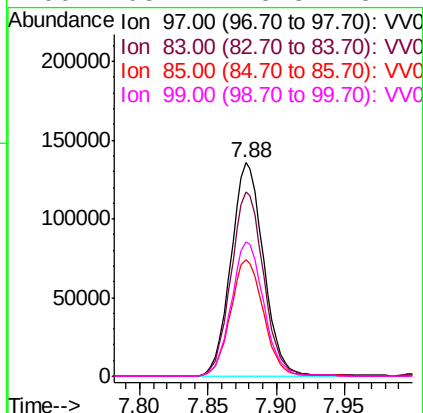
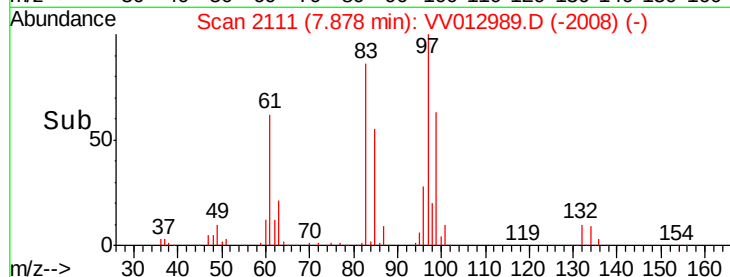
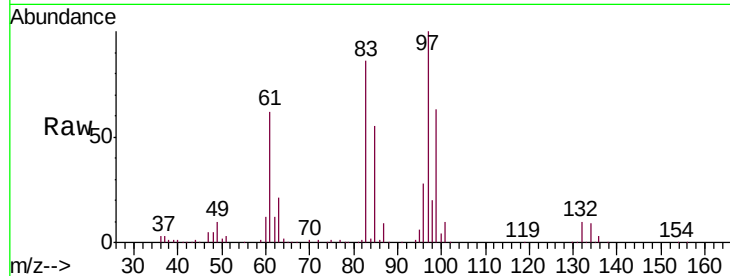




#46
 1,1,2-Trichloroethane
 Concen: 22.647 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

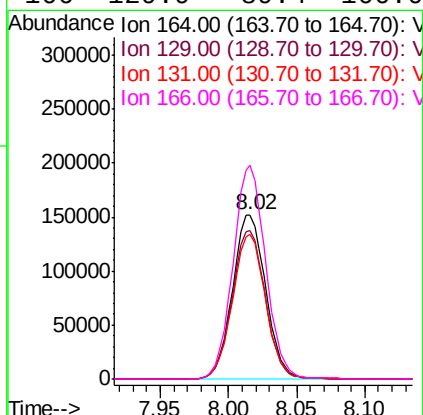
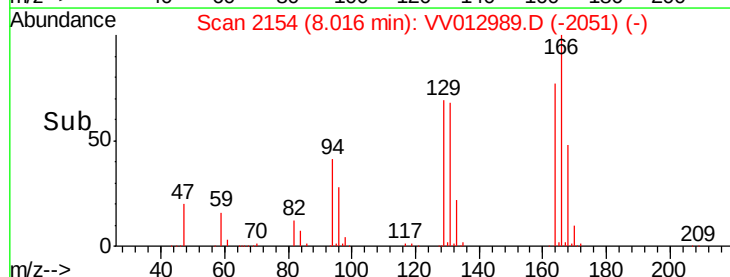
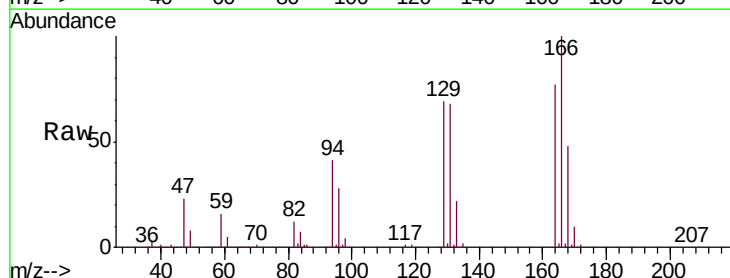
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

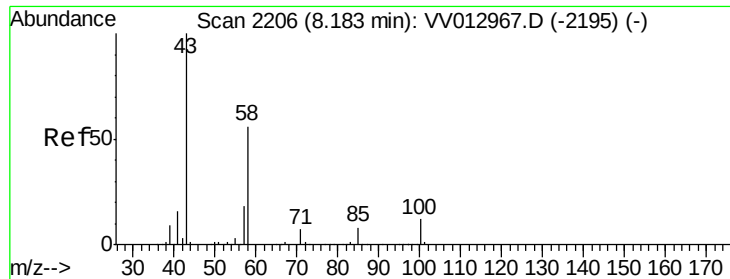
Tgt Ion:	97	Resp:	225754
Ion	Ratio	Lower	Upper
97	100		
83	86.3	58.9	109.5
85	54.6	38.4	71.2
99	63.2	43.8	81.4



#47
 Tetrachloroethene
 Concen: 25.105 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

Tgt Ion:	164	Resp:	256648
Ion	Ratio	Lower	Upper
164	100		
129	90.0	62.8	116.6
131	88.1	60.2	111.8
166	129.9	89.4	166.0

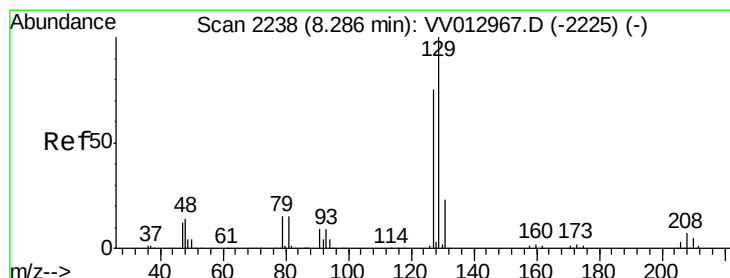
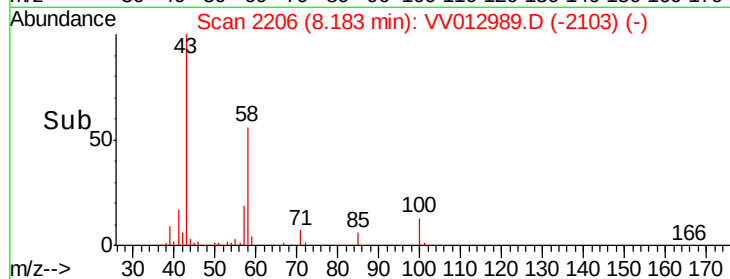
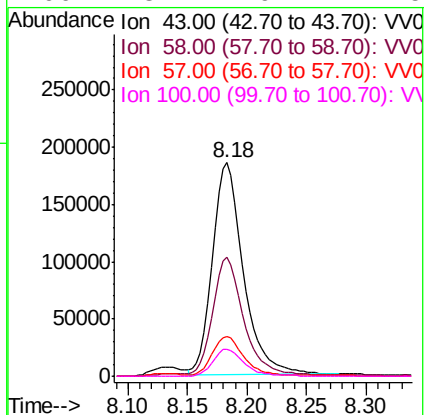
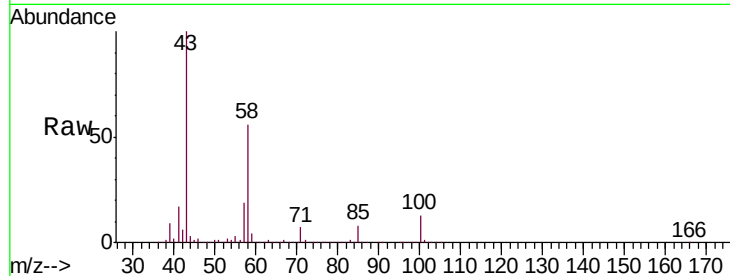




#49
2-Hexanone
Concen: 45.608 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV012989.D
Acq: 26 Sep 2019 09:37

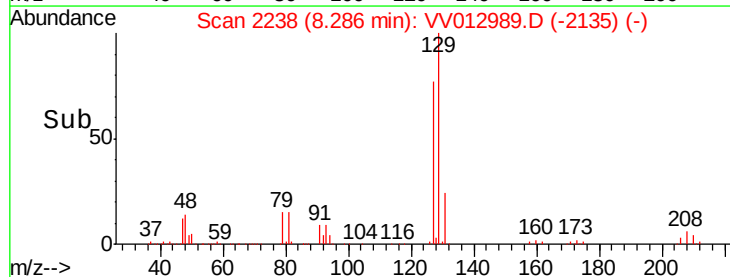
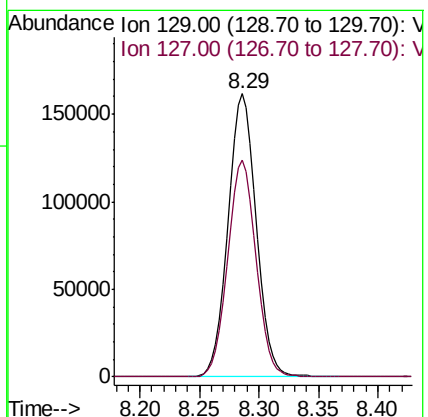
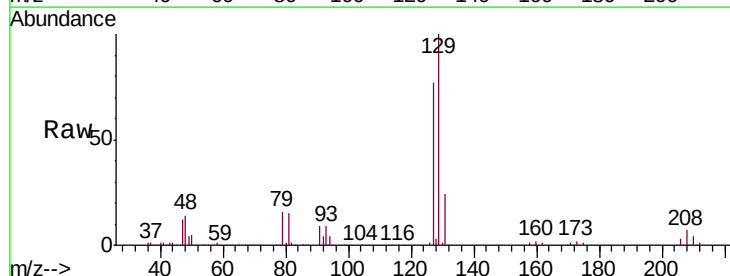
Instrument :
MSVOA_V
ClientSampleId :
VSTD02573

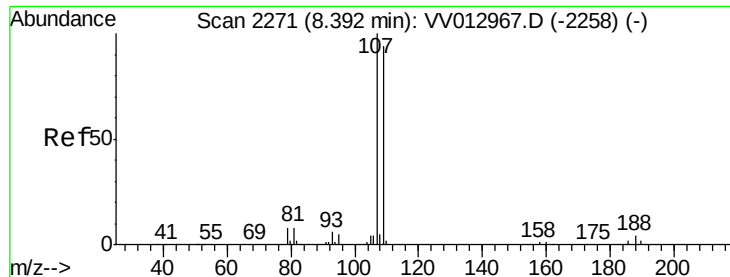
Tgt Ion: 43 Resp: 331648
Ion Ratio Lower Upper
43 100
58 55.1 46.5 69.7
57 19.8 15.5 23.3
100 13.2 9.7 14.5



#50
Dibromochloromethane
Concen: 23.171 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV012989.D
Acq: 26 Sep 2019 09:37

Tgt Ion: 129 Resp: 265474
Ion Ratio Lower Upper
129 100
127 76.6 53.7 99.7





#51

1,2-Dibromoethane

Concen: 22.899 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

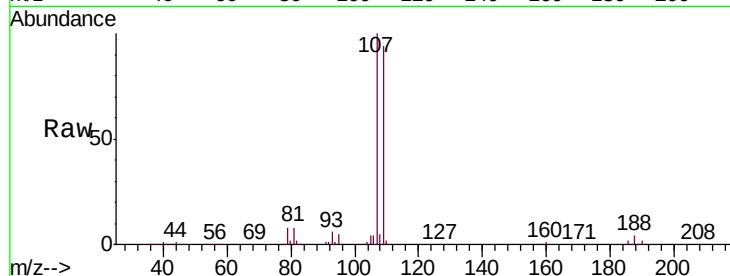
Tgt Ion:107 Resp: 223690

Ion Ratio Lower Upper

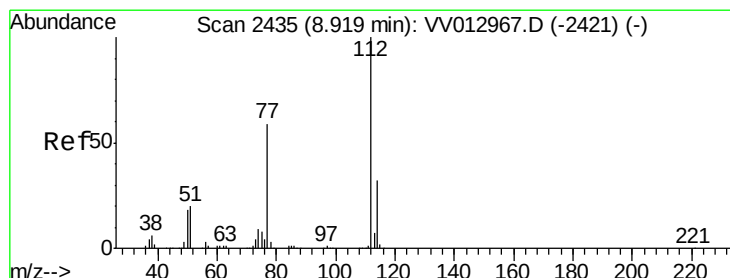
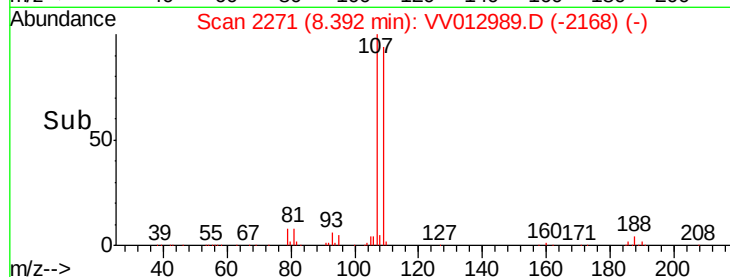
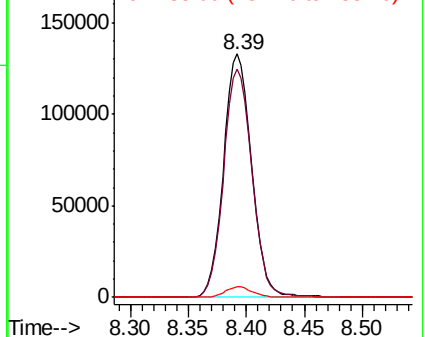
107 100

109 93.8 66.1 122.8

188 4.3 3.1 4.7



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: 24.313 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

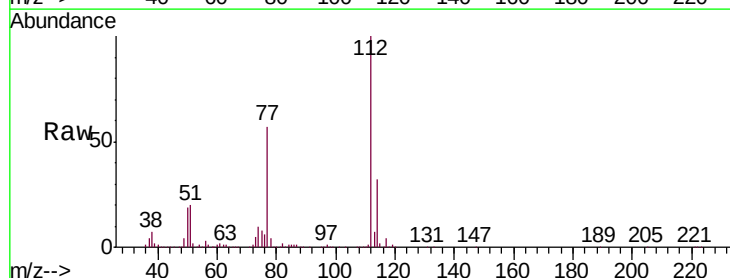
Tgt Ion:112 Resp: 798977

Ion Ratio Lower Upper

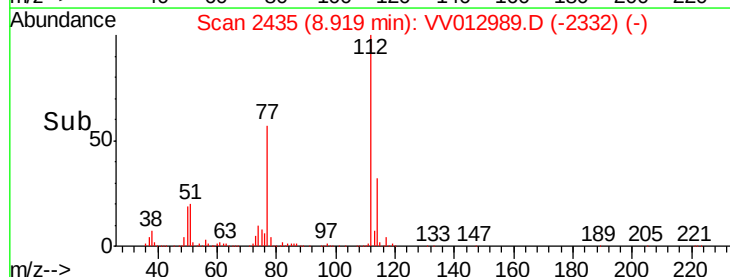
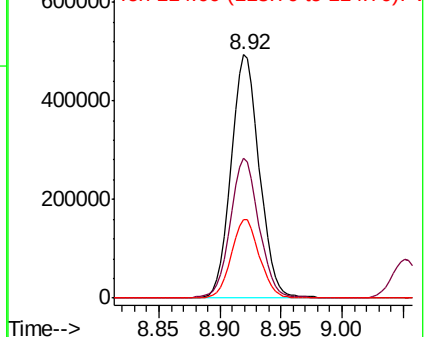
112 100

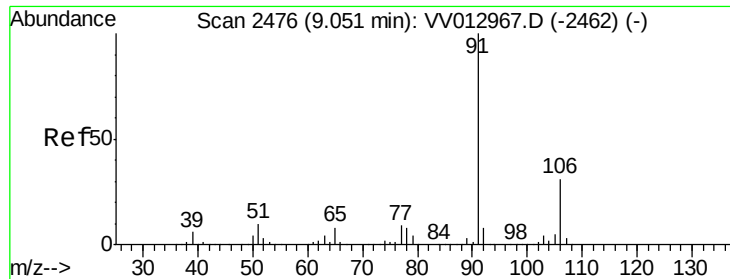
77 57.4 46.3 69.5

114 32.5 22.5 41.7



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: 26.513 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

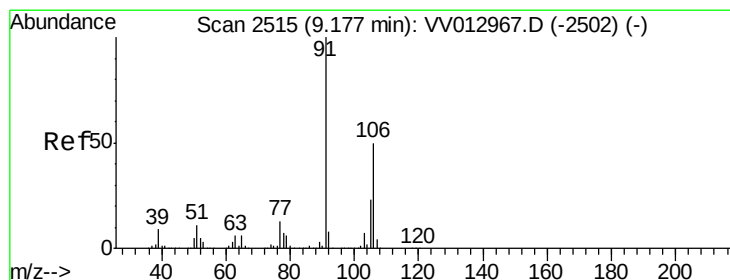
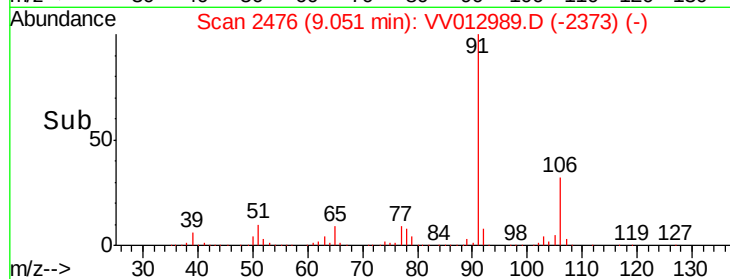
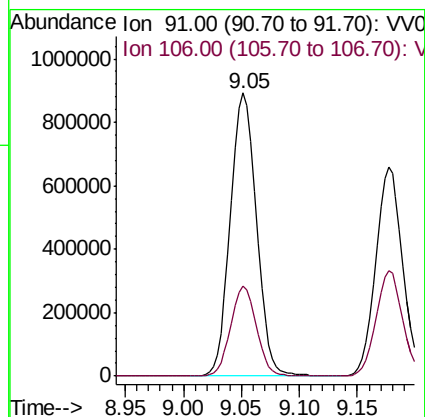
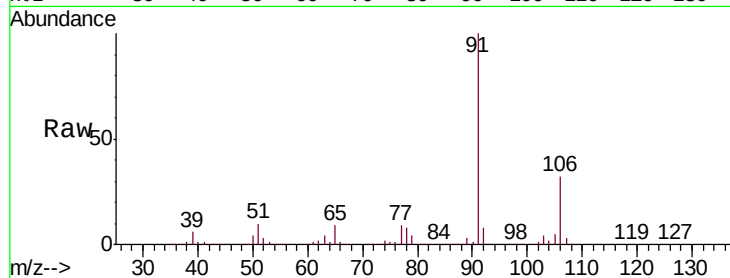
VSTD02573

Tgt Ion: 91 Resp: 1390115

Ion Ratio Lower Upper

91 100

106 31.7 21.8 40.4



#54

m,p-Xylene

Concen: 26.746 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV012989.D

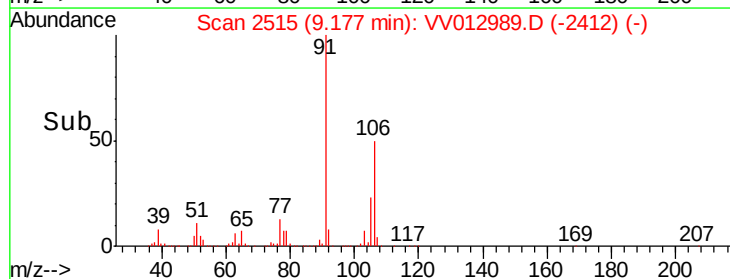
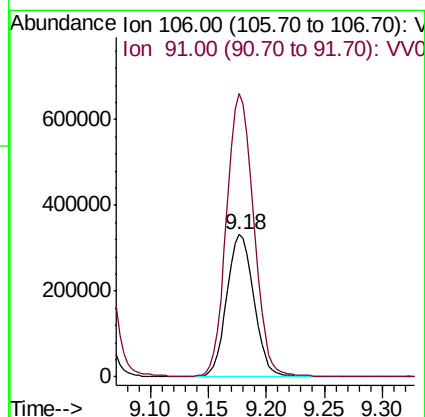
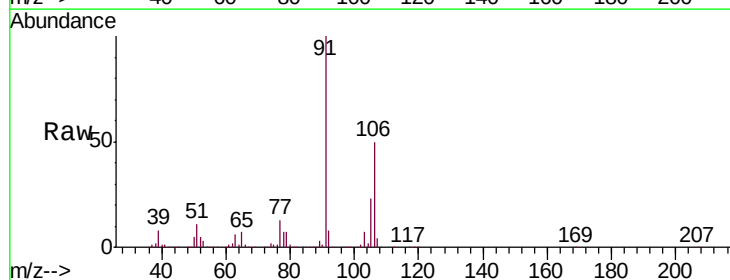
Acq: 26 Sep 2019 09:37

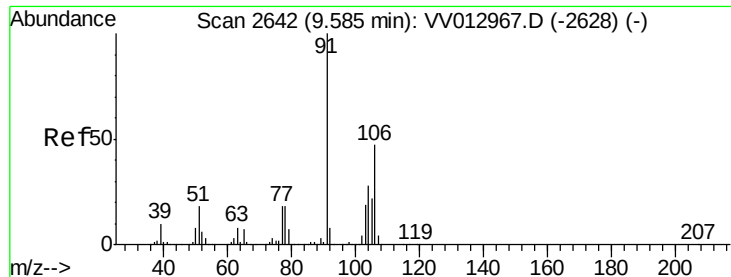
Tgt Ion: 106 Resp: 533136

Ion Ratio Lower Upper

106 100

91 198.6 140.1 260.3





#55

o-xylene

Concen: 26.664 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

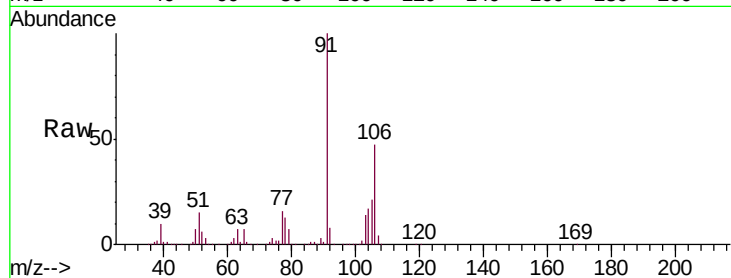
VSTD02573

Tgt Ion:106 Resp: 506425

Ion Ratio Lower Upper

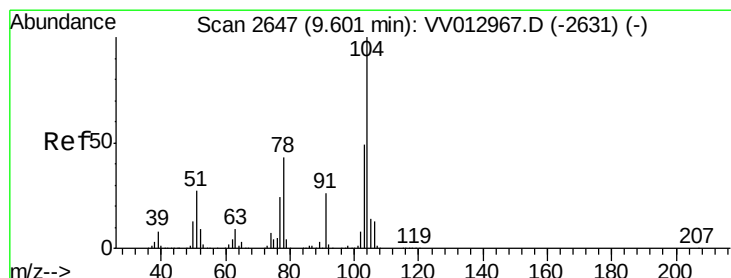
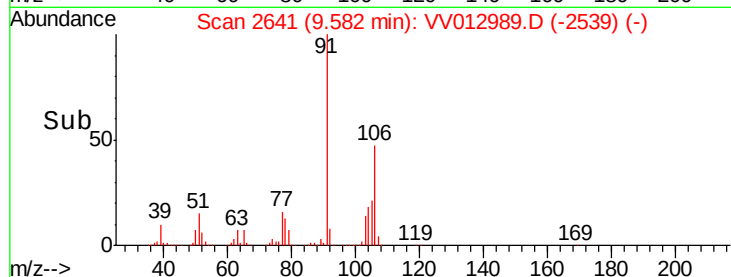
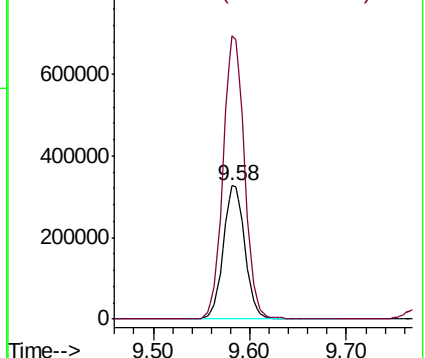
106 100

91 212.6 148.8 276.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 26.483 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV012989.D

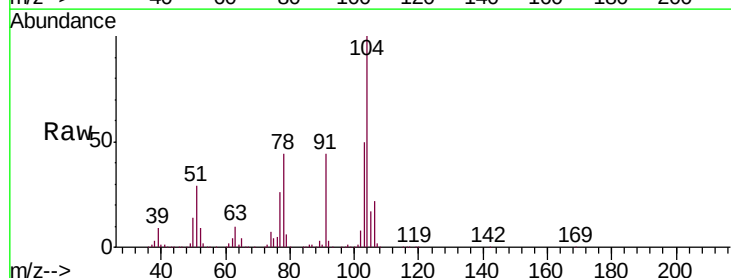
Acq: 26 Sep 2019 09:37

Tgt Ion:104 Resp: 884984

Ion Ratio Lower Upper

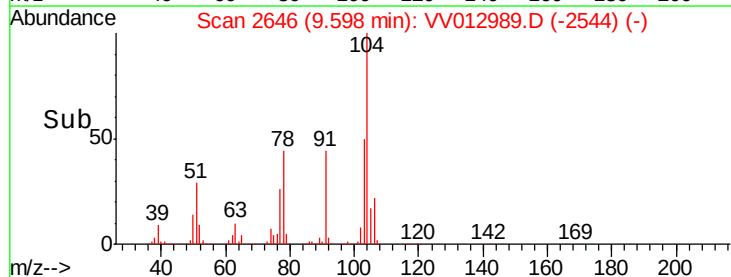
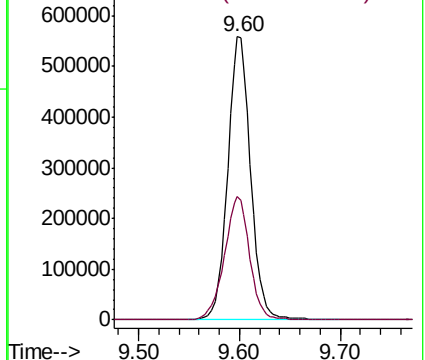
104 100

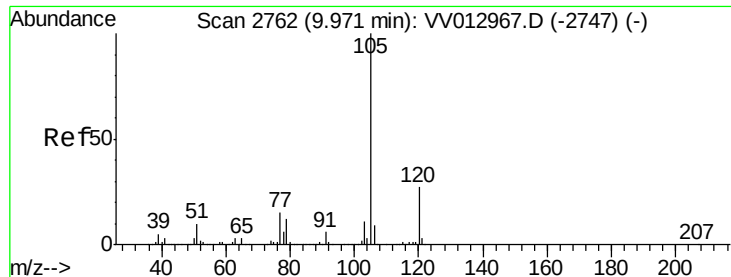
78 43.7 29.8 55.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 27.393 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

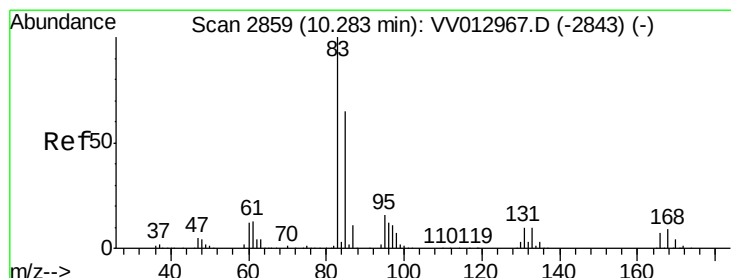
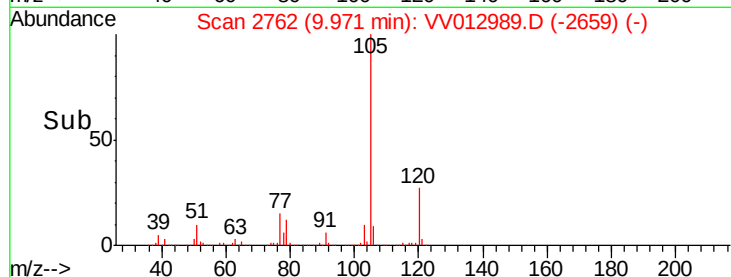
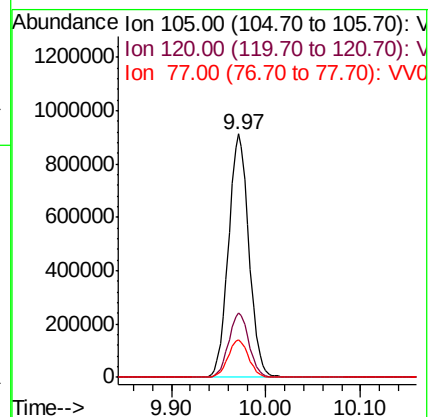
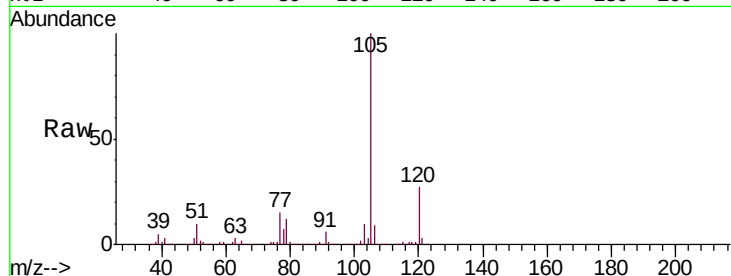
Tgt Ion:105 Resp: 1367290

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.0

77 15.4 12.2 18.4



#58

1,1,2,2-Tetrachloroethane

Concen: 22.046 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

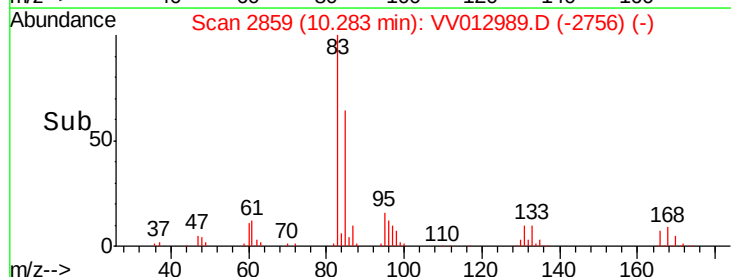
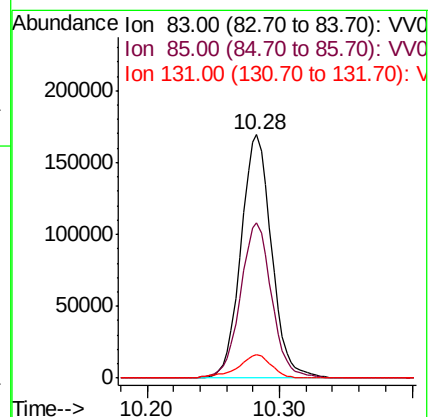
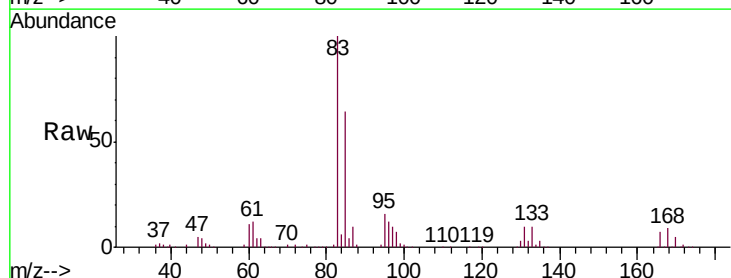
Tgt Ion: 83 Resp: 271838

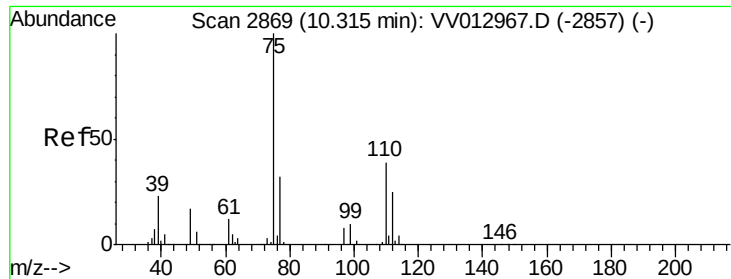
Ion Ratio Lower Upper

83 100

85 63.6 45.4 84.2

131 9.7 8.2 12.2

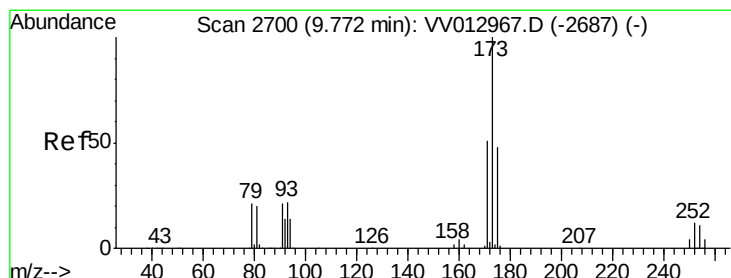
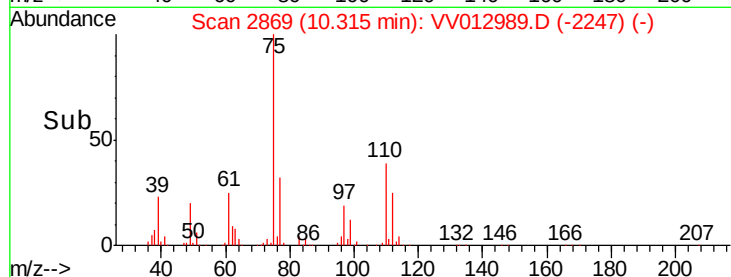
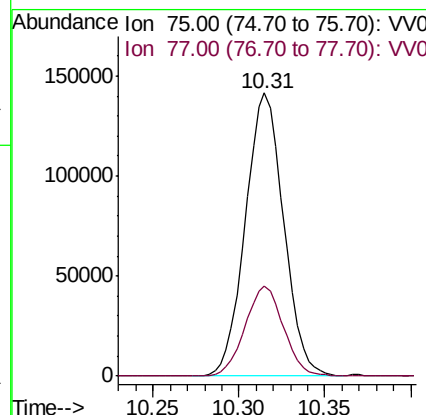
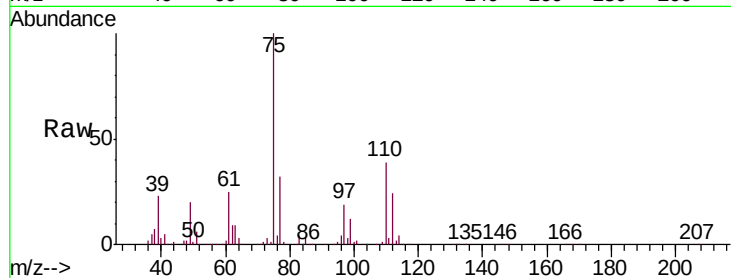




#59
 1,2,3-Trichloropropane
 Concen: 21.470 ug/L
 RT: 10.31 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

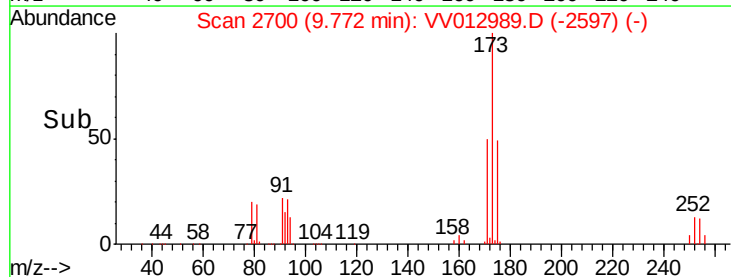
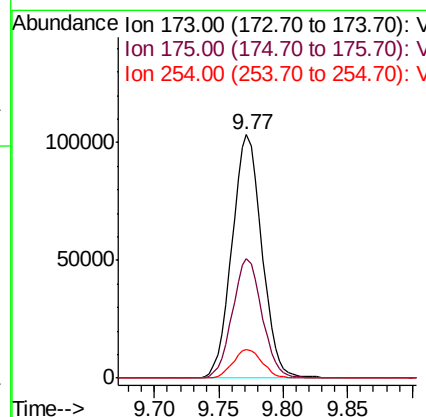
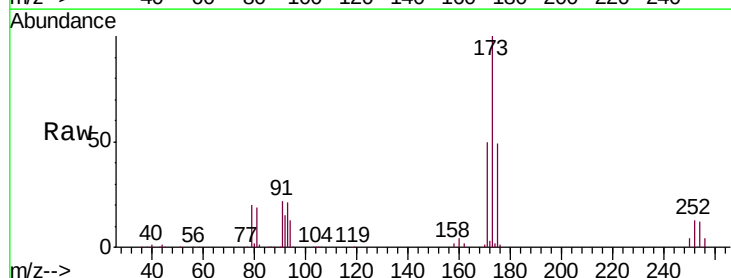
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

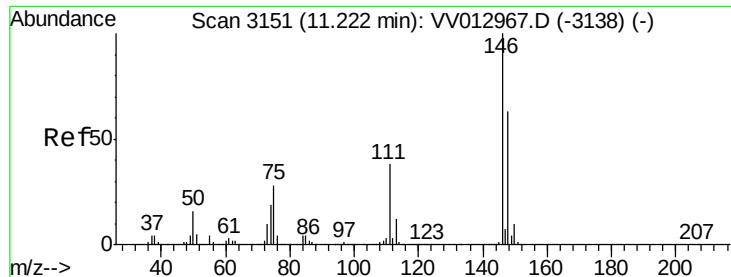
Tgt Ion: 75 Resp: 218505
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.4 38.0



#62
 Bromoform
 Concen: 22.456 ug/L
 RT: 9.77 min Scan# 2700
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

Tgt Ion: 173 Resp: 166367
 Ion Ratio Lower Upper
 173 100
 175 48.6 39.5 59.3
 254 11.6 9.1 13.7

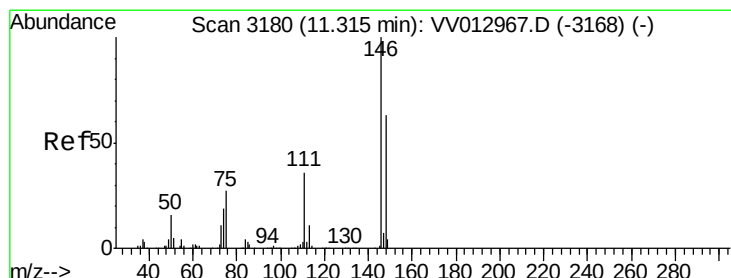
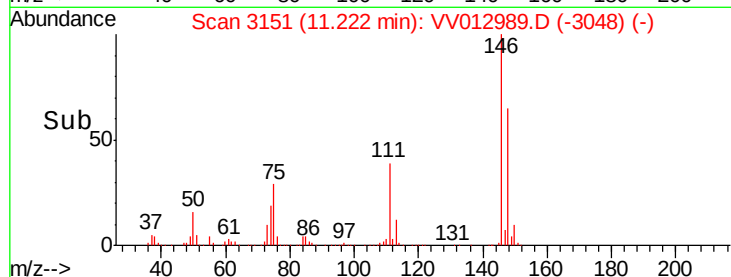
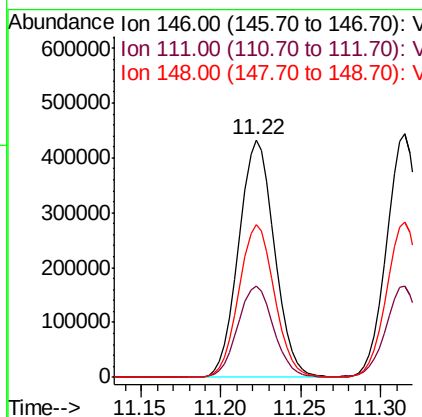
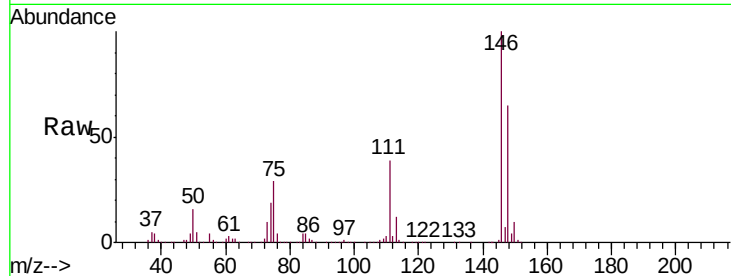




#63
 1,3-Dichlorobenzene
 Concen: 24.510 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

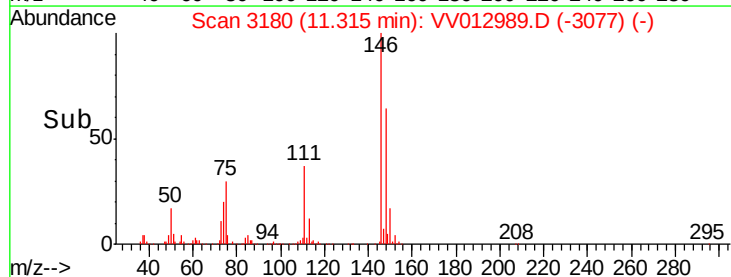
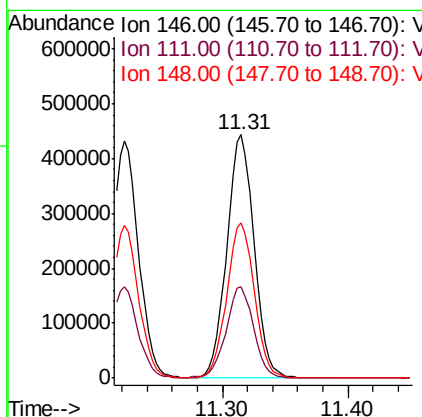
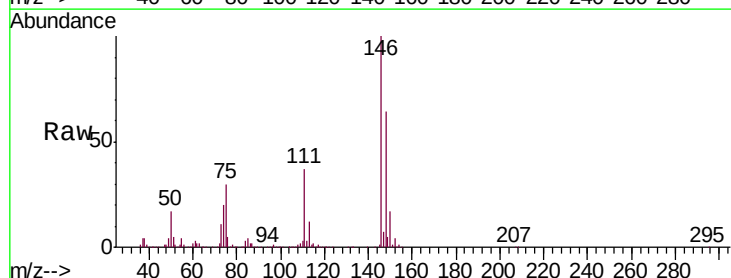
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

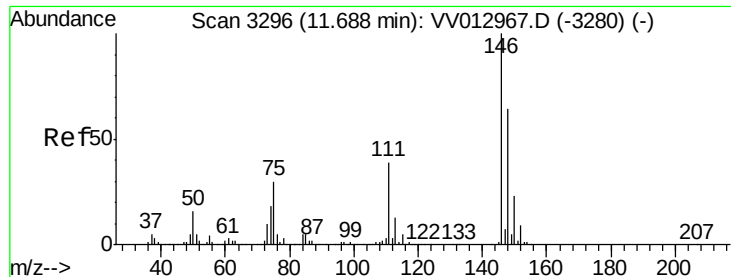
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	26.7	49.7
148	64.6	43.9	81.5



#64
 1,4-Dichlorobenzene
 Concen: 23.661 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	25.5	47.3
148	63.8	45.1	83.9

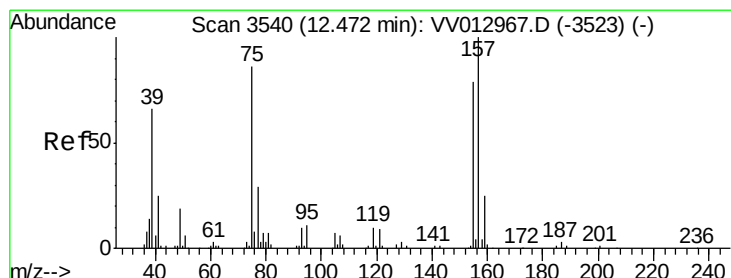
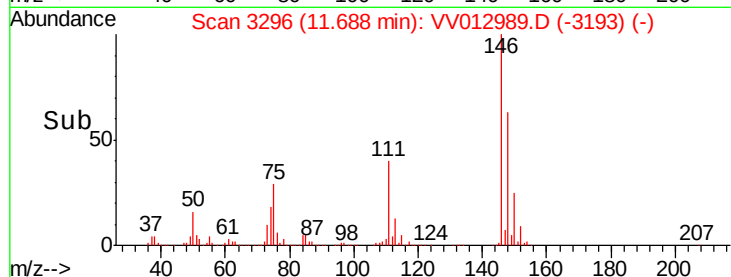
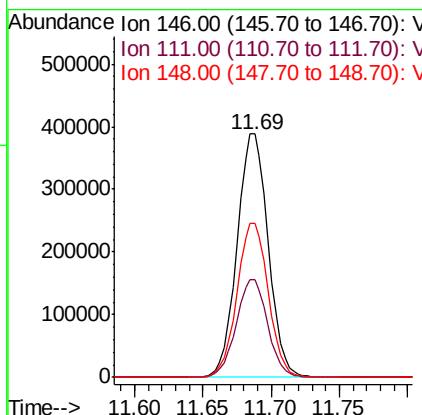
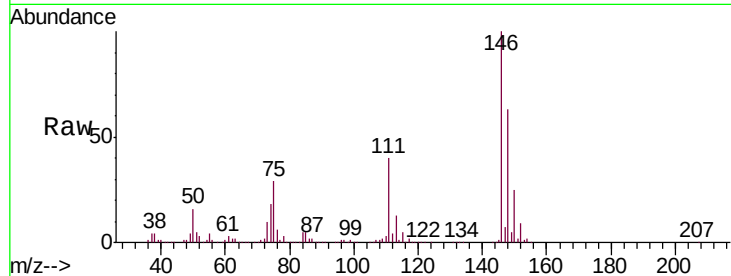




#65
 1,2-Dichlorobenzene
 Concen: 23.937 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

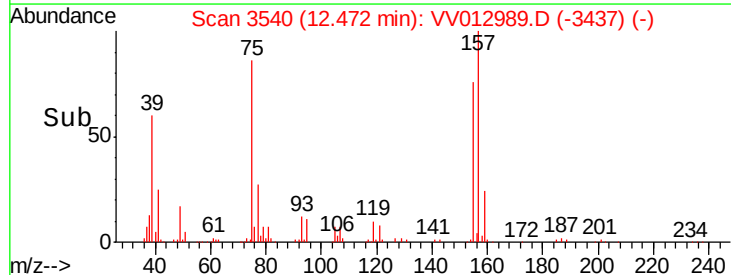
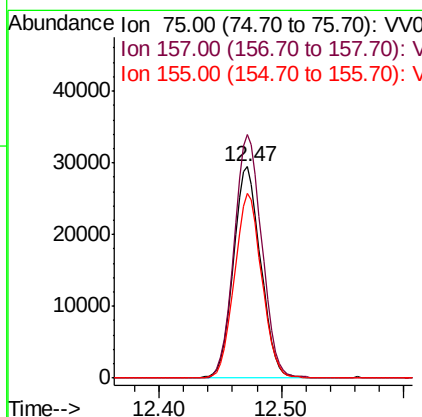
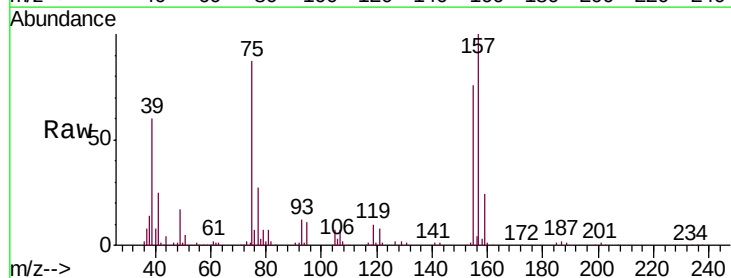
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

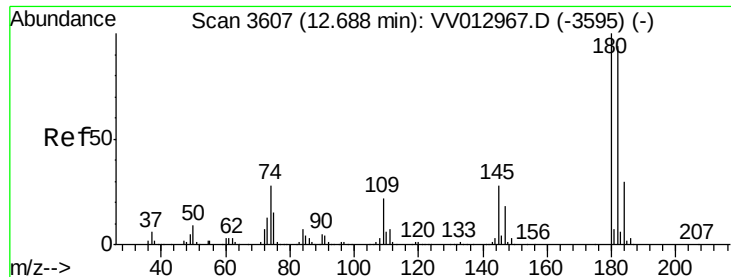
Tgt Ion: 146 Resp: 613585
 Ion Ratio Lower Upper
 146 100
 111 40.0 31.9 47.9
 148 63.1 51.0 76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 20.209 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

Tgt Ion: 75 Resp: 45926
 Ion Ratio Lower Upper
 75 100
 157 115.4 91.7 137.5
 155 87.7 70.8 106.2

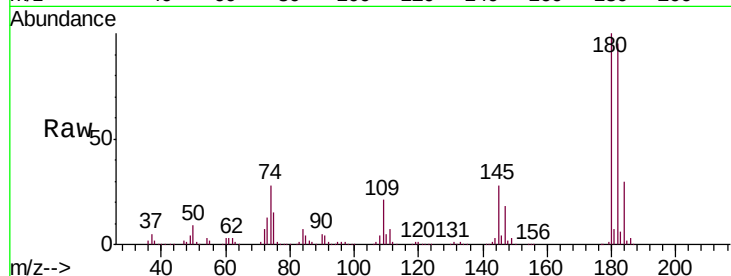




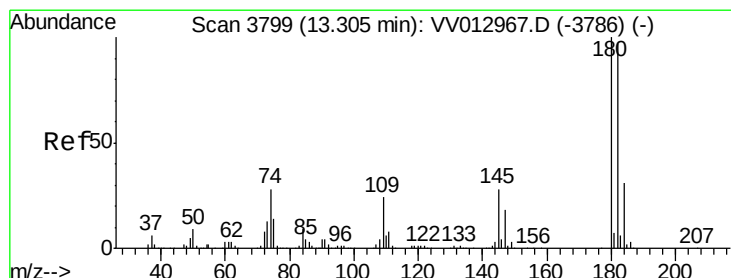
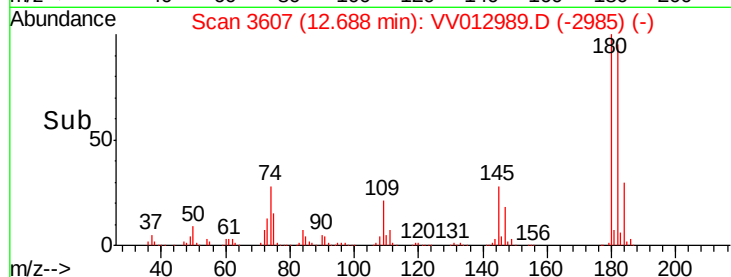
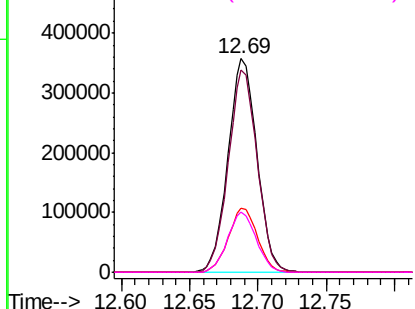
#67
 1,3,5-Trichlorobenzene
 Concen: 25.031 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02573

Tgt Ion:	180	Resp:	526180
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.4	114.6
184	30.3	24.6	37.0
145	28.0	22.2	33.4

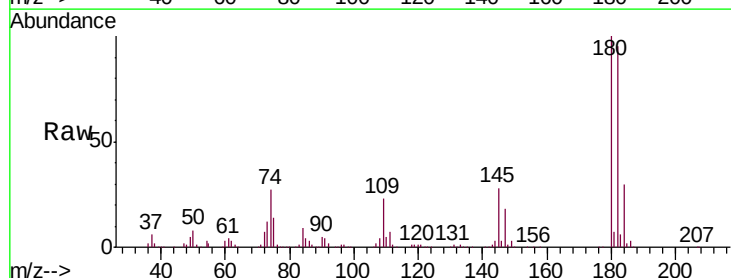


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

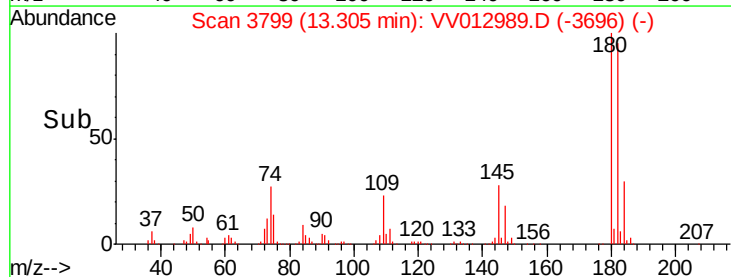
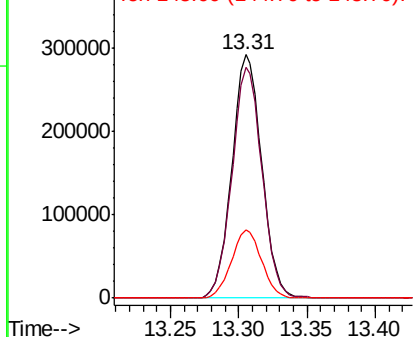


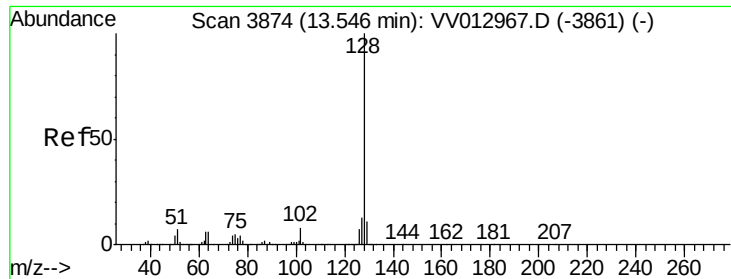
#68
 1,2,4-trichlorobenzene
 Concen: 24.135 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV012989.D
 Acq: 26 Sep 2019 09:37

Tgt Ion:	180	Resp:	443658
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.8	115.2
145	28.3	22.6	34.0



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: 22.773 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02573

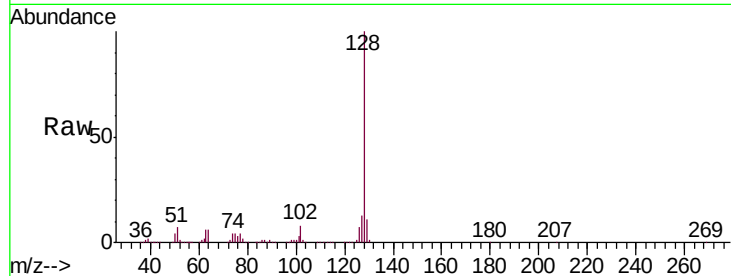
Tgt Ion:128 Resp: 841984

Ion Ratio Lower Upper

128 100

129 10.9 8.7 13.1

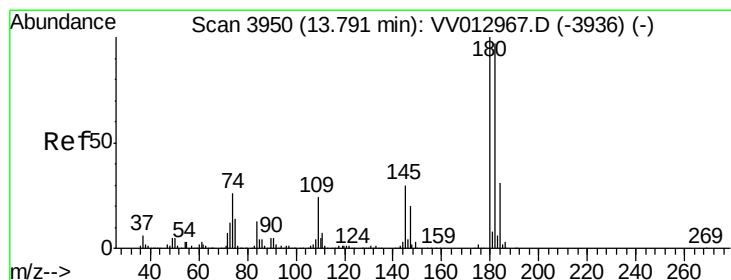
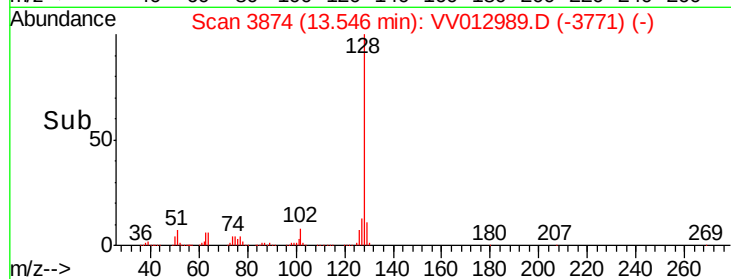
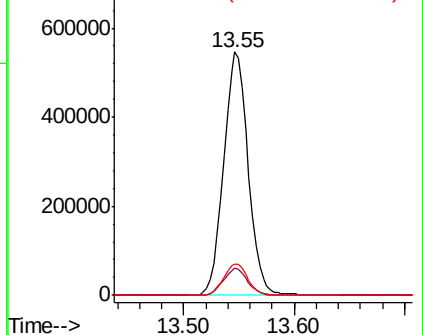
127 12.8 10.2 15.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 23.783 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV012989.D

Acq: 26 Sep 2019 09:37

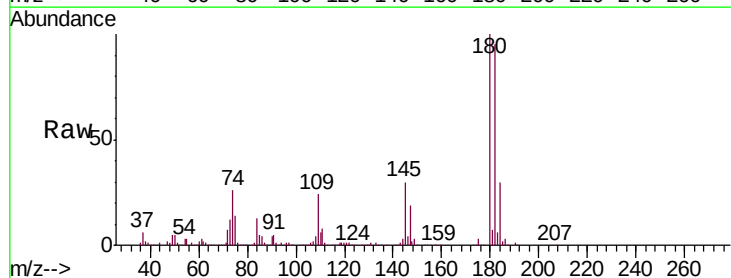
Tgt Ion:180 Resp: 420341

Ion Ratio Lower Upper

180 100

182 95.7 77.4 116.2

145 30.4 23.9 35.9



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

