

Data File : VV013365.D
Acq On : 25 Oct 2019 23:18
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Quant Time: Oct 26 01:04:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	477979	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	503577	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	328912	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	193199	5.48	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.60%
7) Chloroethane-d5	1.58	69	154302	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.13	63	304677	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	97.20%
20) 2-Butanone-d5	3.96	46	408421	60.35	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.70%
24) Chloroform-d	4.40	84	403975	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.08	65	179494	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.10	84	829019	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.12	67	236442	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.36	98	798613	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloropropene-	7.66	79	84032	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.13	63	295938	44.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.46%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	156122	4.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	304444	4.76	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	228152	4.318 ug/L	97
3) Chloromethane	1.25	50	192754	4.203 ug/L	99
5) Vinyl chloride	1.32	62	199881	4.333 ug/L	98
6) Bromomethane	1.54	94	121524	4.677 ug/L	100
8) Chloroethane	1.60	64	120539	4.385 ug/L	97
9) Trichlorofluoromethane	1.77	101	286918	4.298 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	172297	4.368 ug/L	97
12) 1,1-Dichloroethene	2.14	96	166624	4.434 ug/L #	87
13) Acetone	2.22	43	193475	55.295 ug/L	100
14) Carbon disulfide	2.32	76	446632	4.140 ug/L	100
15) Methyl Acetate	2.47	43	72775	6.150 ug/L	99
16) Methylene chloride	2.53	84	225951	4.001 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	428724	4.926 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	229346	5.177 ug/L	96
19) 1,1-Dichloroethane	3.23	63	388951	5.402 ug/L	97
21) 2-Butanone	4.04	43	439498	56.110 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	232306	4.899 ug/L #	92

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Oct 26 00:57:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	107261	4.767	ug/L	93
25) Chloroform	4.42	83	418115	4.454	ug/L	100
27) 1,2-Dichloroethane	5.18	62	217026	4.329	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	341415	4.587	ug/L	100
30) Cyclohexane	4.72	56	324745	4.203	ug/L	96
31) Carbon tetrachloride	4.87	117	313872	4.700	ug/L	100
33) Benzene	5.14	78	888792	4.622	ug/L	100
34) Trichloroethene	5.96	95	241205	4.675	ug/L	97
35) Methylcyclohexane	6.17	83	352296	4.438	ug/L	97
37) 1,2-Dichloropropane	6.22	63	217355	4.653	ug/L	100
38) Bromodichloromethane	6.55	83	270626	4.476	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	285679	4.342	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	1060284	44.406	ug/L	95
42) Toluene	7.43	91	982834	4.867	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	217451	4.363	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	153129	4.697	ug/L	98
47) Tetrachloroethene	8.02	164	224138	4.784	ug/L	98
48) 2-Hexanone	8.18	43	781296	45.837	ug/L	98
49) Dibromochloromethane	8.29	129	190070	4.628	ug/L	98
50) 1,2-Dibromoethane	8.40	107	141720	4.562	ug/L	99
51) Chlorobenzene	8.92	112	629529	4.762	ug/L	98
52) Ethylbenzene	9.05	91	1004059	4.770	ug/L	100
53) m,p-xylene	9.18	106	400513	4.970	ug/L	99
54) o-xylene	9.59	106	380162	4.969	ug/L	98
55) Styrene	9.60	104	674352	5.186	ug/L	96
56) Isopropylbenzene	9.97	105	1010821	5.009	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	157112	4.192	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	121289	4.354	ug/L	98
61) Bromoform	9.77	173	111607	4.451	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	560433	4.839	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	544464	4.643	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	492540	4.617	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	21547	3.557	ug/L	83
67) 1,3,5-Trichlorobenzene	12.69	180	397886	4.646	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	343669	4.587	ug/L	100
69) Naphthalene	13.55	128	447210	4.327	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	322652	4.637	ug/L	99

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

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MSVOA_V
ClientSampleId :
VSTD00556

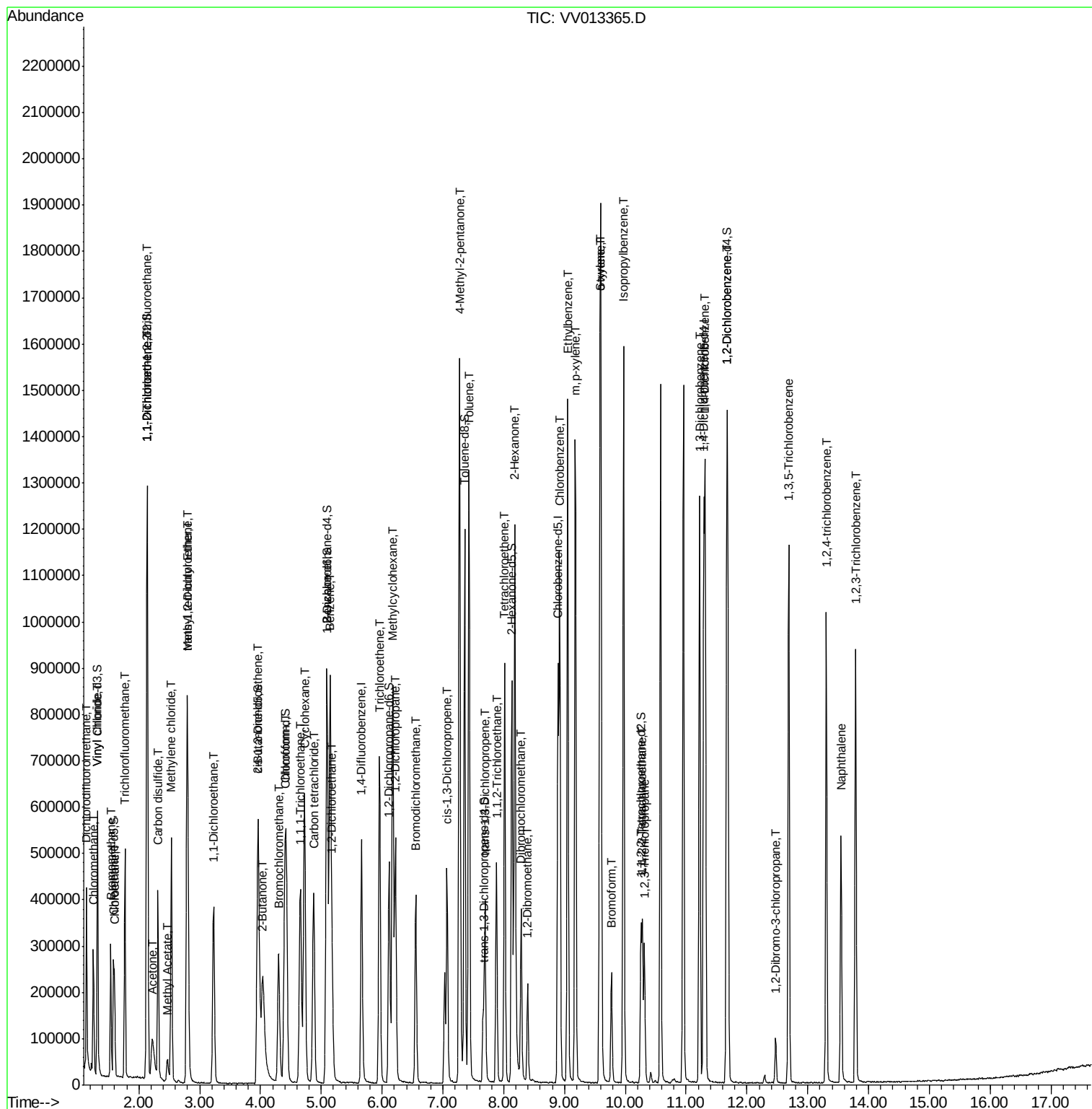
Quant Time: Oct 26 01:04:29 2019

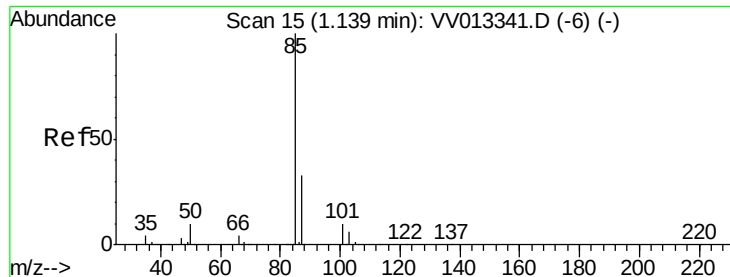
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR102119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Sat Oct 26 00:57:59 2019

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#2

Dichlorodifluoromethane

Concen: 4.318 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

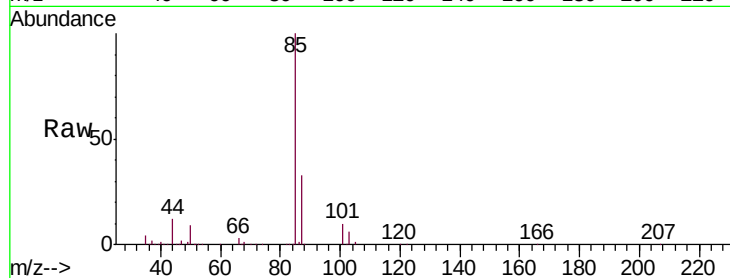
VSTD00556

Tgt Ion: 85 Resp: 228152

Ion Ratio Lower Upper

85 100

87 33.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV013341.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV013341.D (-6) (-)

1.14

250000

200000

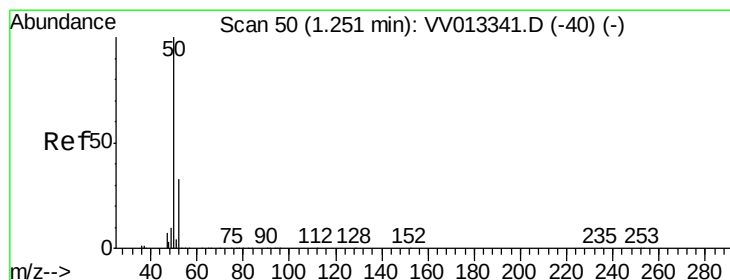
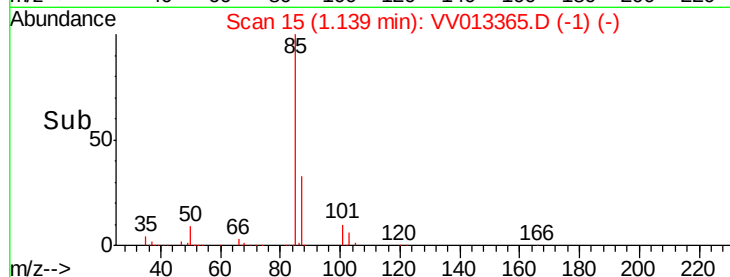
150000

100000

50000

0

Time--> 1.05 1.10 1.15 1.20 1.25



#3

Chloromethane

Concen: 4.203 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013365.D

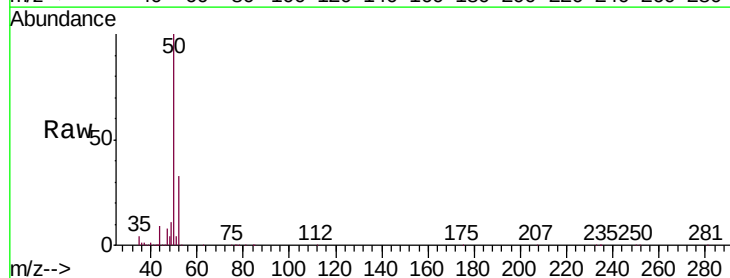
Acq: 25 Oct 2019 23:18

Tgt Ion: 50 Resp: 192754

Ion Ratio Lower Upper

50 100

52 32.8 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV013341.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV013341.D (-40) (-)

1.25

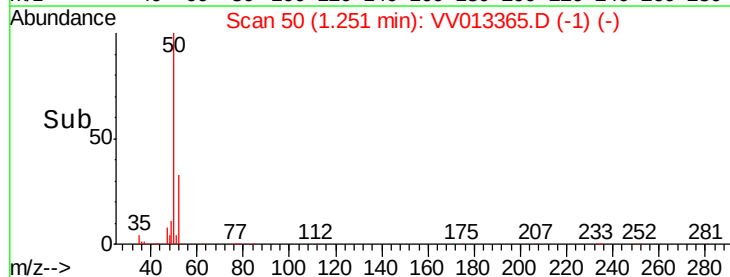
150000

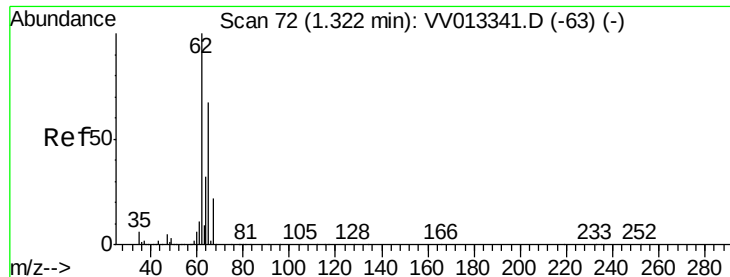
100000

50000

0

Time--> 1.15 1.20 1.25 1.30





#5

Vinyl chloride

Concen: 4.333 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

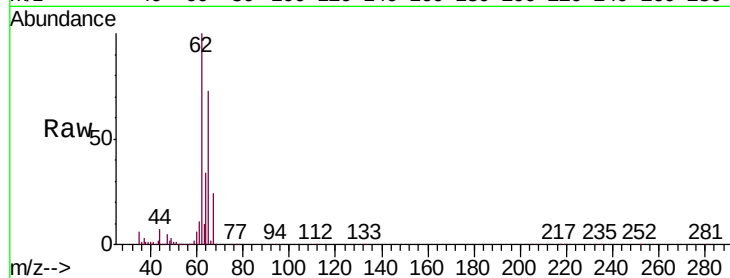
VSTD00556

Tgt Ion: 62 Resp: 199881

Ion Ratio Lower Upper

62 100

64 33.7 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

200000

150000

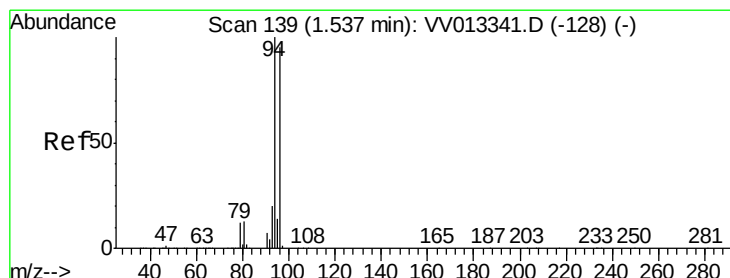
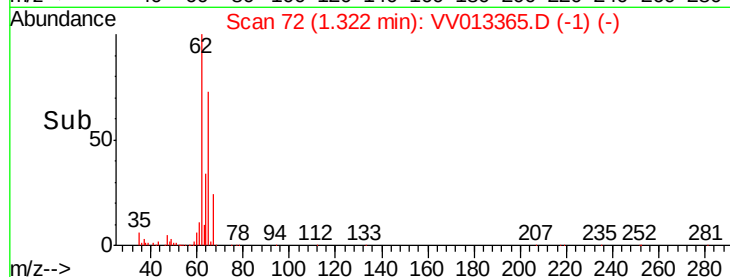
100000

50000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.677 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV013365.D

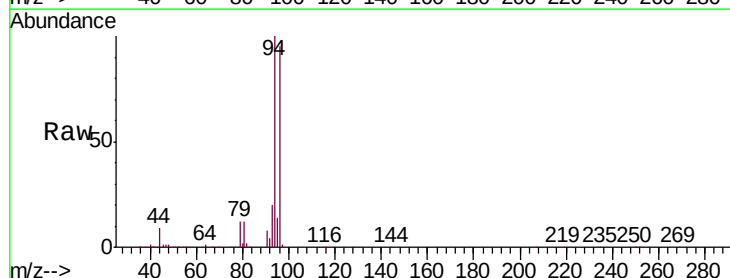
Acq: 25 Oct 2019 23:18

Tgt Ion: 94 Resp: 121524

Ion Ratio Lower Upper

94 100

96 94.5 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

120000

100000

80000

60000

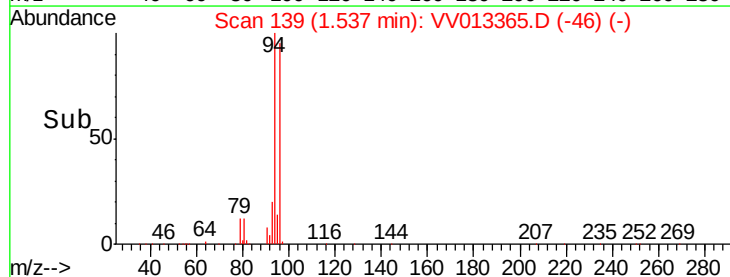
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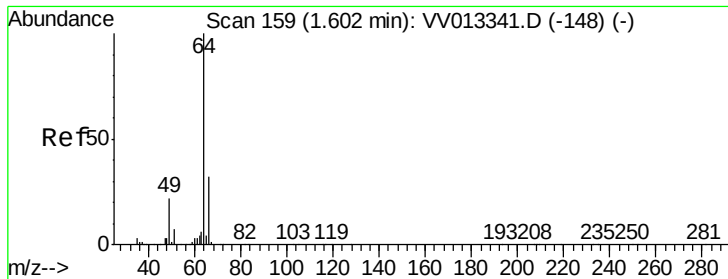
20000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 4.385 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

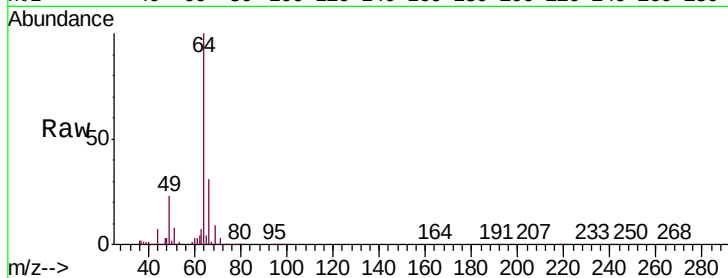
VSTD00556

Tgt Ion: 64 Resp: 120539

Ion Ratio Lower Upper

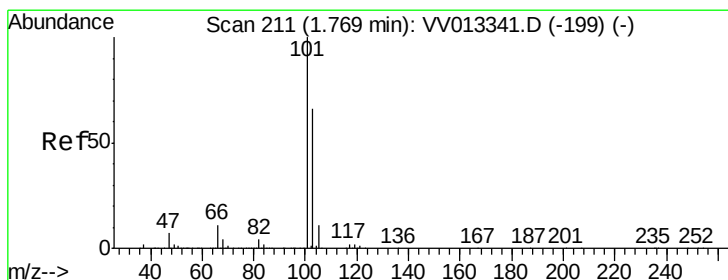
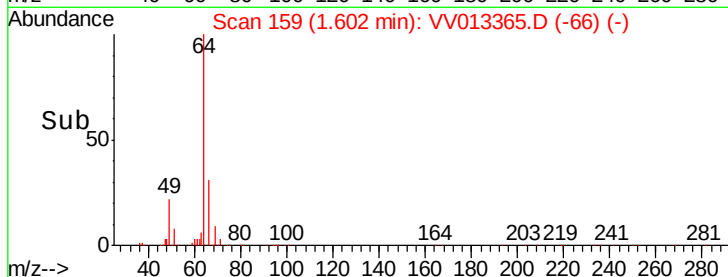
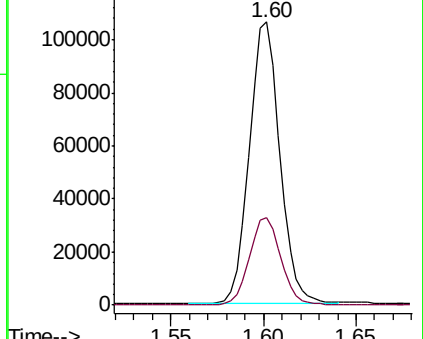
64 100

66 30.9 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV013341.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV013341.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 4.298 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV013365.D

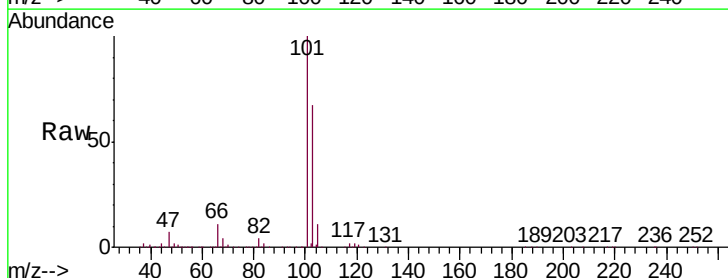
Acq: 25 Oct 2019 23:18

Tgt Ion: 101 Resp: 286918

Ion Ratio Lower Upper

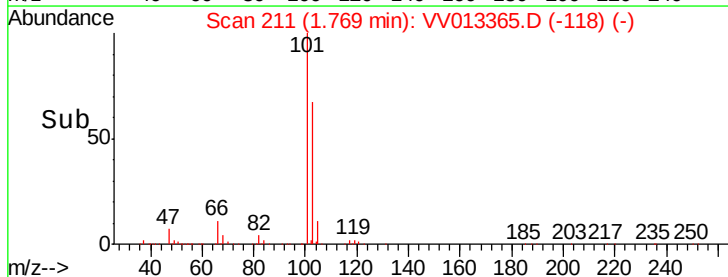
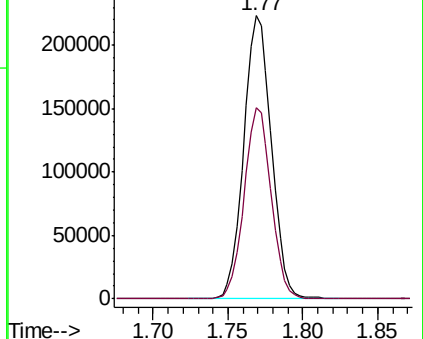
101 100

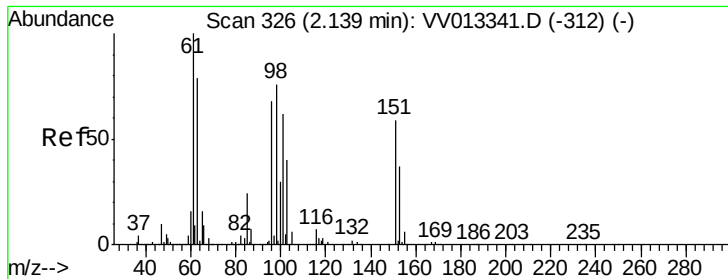
103 66.1 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VV013341.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV013341.D (-199) (-)





#10

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

Concen: 4.368 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

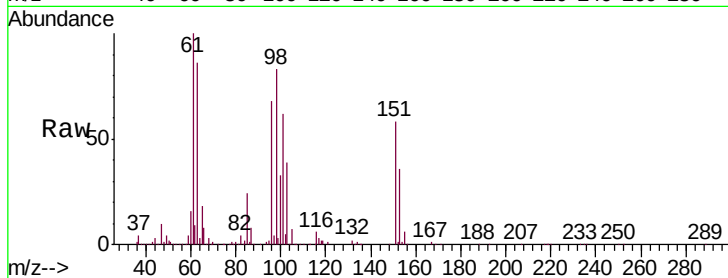
Tgt Ion: 101 Resp: 172297

Ion Ratio Lower Upper

101 100

85 39.2 31.8 47.8

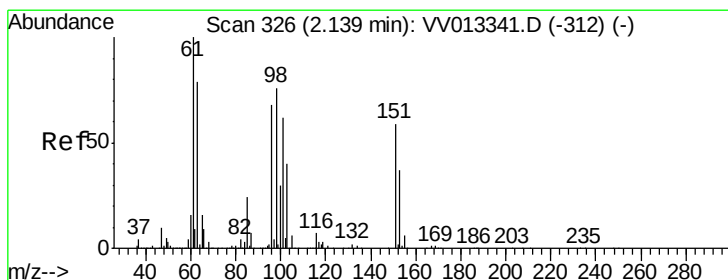
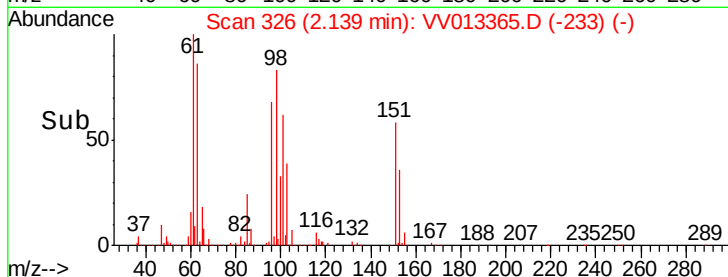
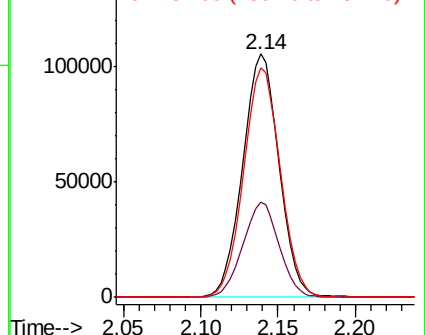
151 95.0 72.9 109.3



Abundance Ion 101.00 (100.70 to 101.70): VV013341.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV013341.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV013341.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 4.434 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

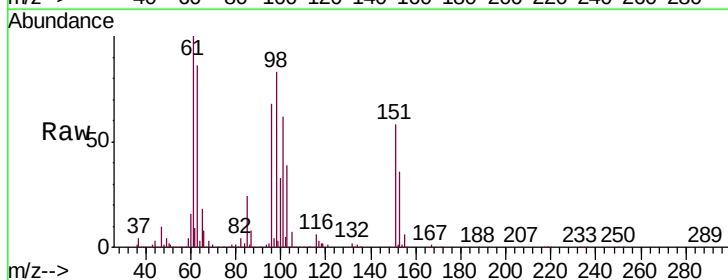
Tgt Ion: 96 Resp: 166624

Ion Ratio Lower Upper

96 100

61 147.5 104.0 193.1

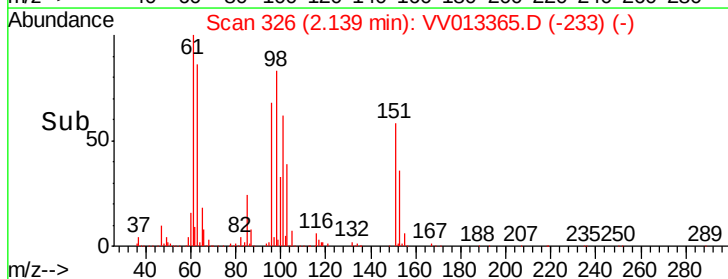
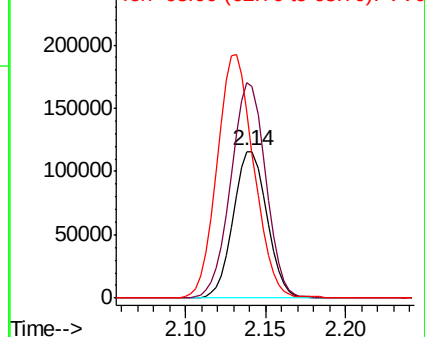
63 127.3 67.1 124.5#

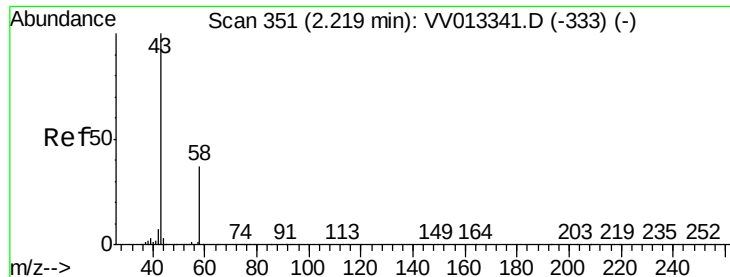


Abundance Ion 96.00 (95.70 to 96.70): VV013365.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV013365.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013365.D (-233) (-)





#13

Acetone

Concen: 55.295 ug/L

RT: 2.22 min Scan# 351

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

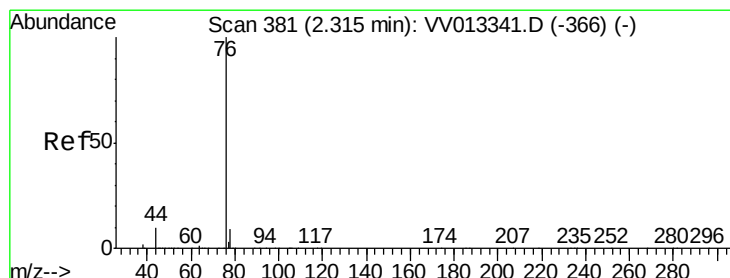
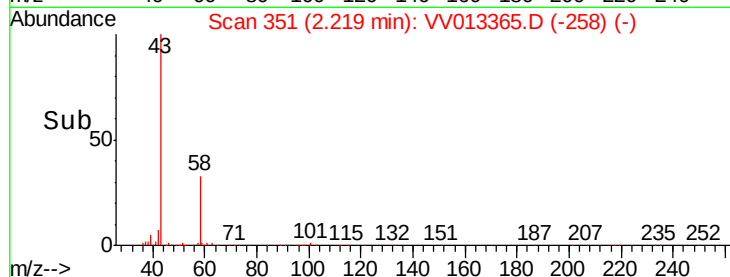
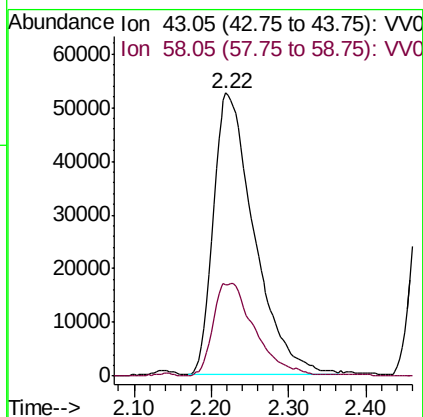
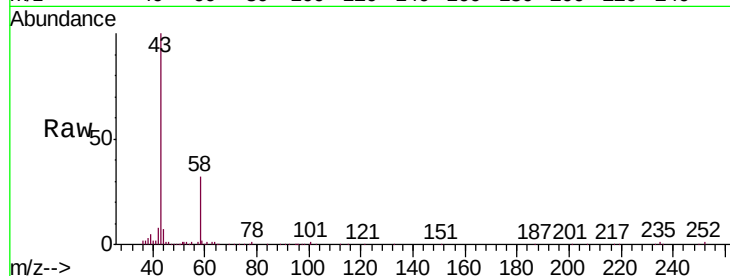
VSTD00556

Tgt Ion: 43 Resp: 193475

Ion Ratio Lower Upper

43 100

58 13.3 0.0 26.2



#14

Carbon disulfide

Concen: 4.140 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV013365.D

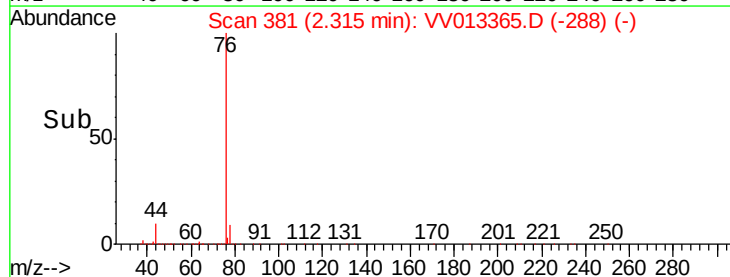
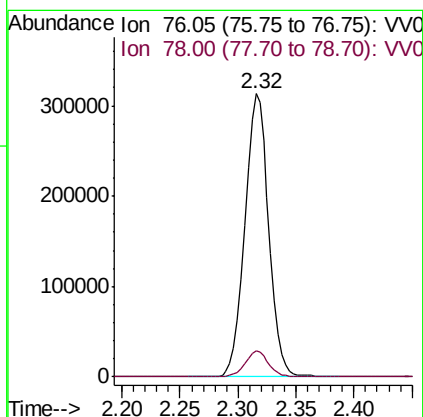
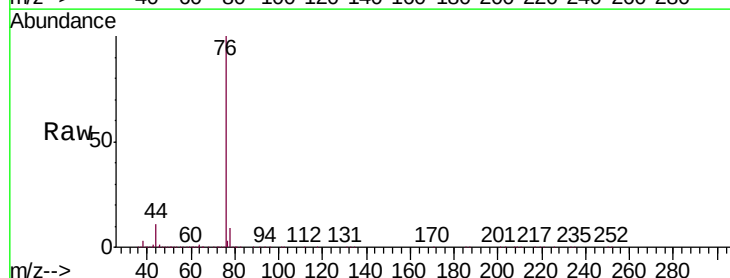
Acq: 25 Oct 2019 23:18

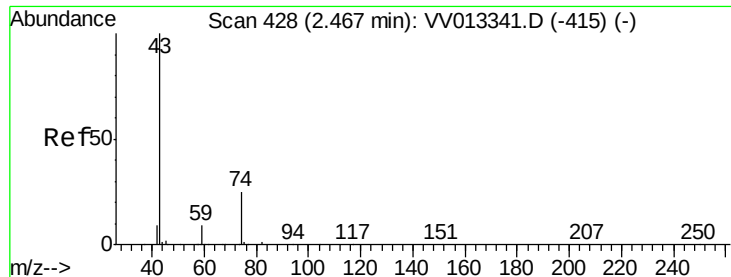
Tgt Ion: 76 Resp: 446632

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

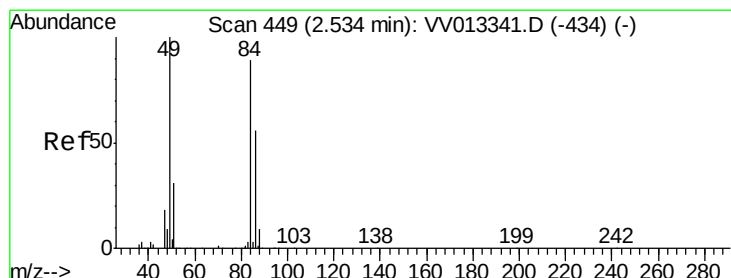
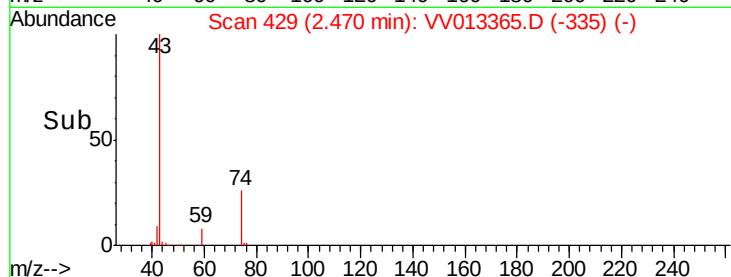
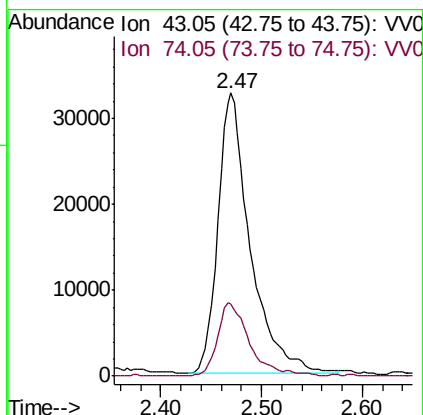
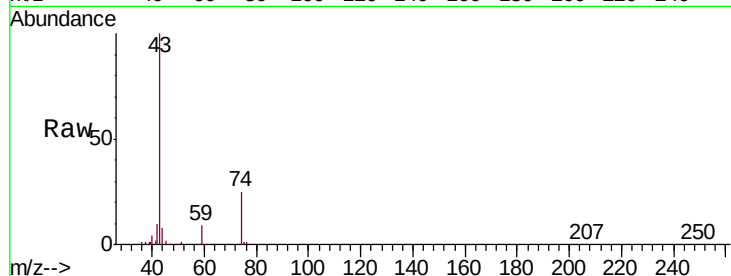




#15
Methyl Acetate
Concen: 6.150 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV013365.D
Acq: 25 Oct 2019 23:18

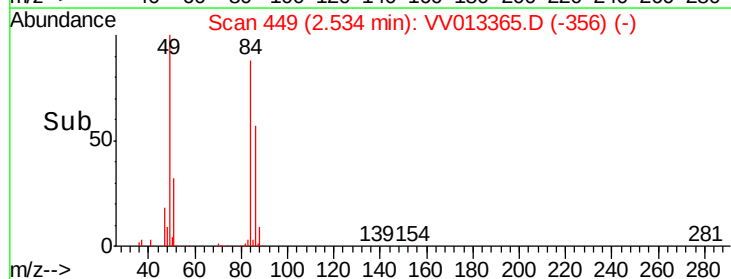
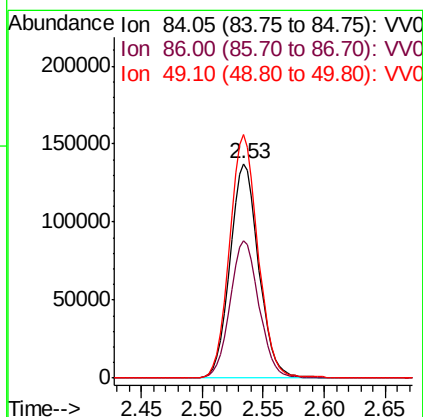
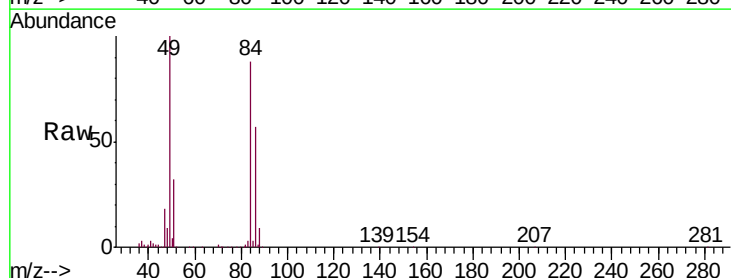
Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

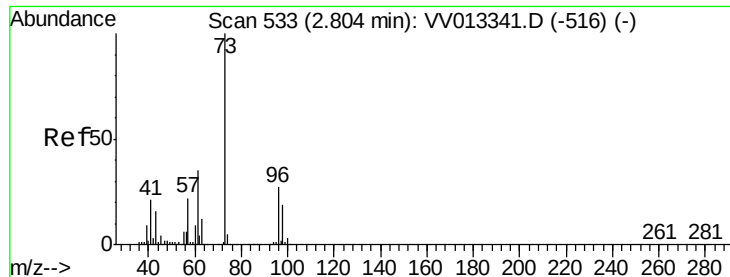
Tgt Ion: 43 Resp: 72775
Ion Ratio Lower Upper
43 100
74 25.0 20.4 30.6



#16
Methylene chloride
Concen: 4.001 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV013365.D
Acq: 25 Oct 2019 23:18

Tgt Ion: 84 Resp: 225951
Ion Ratio Lower Upper
84 100
86 64.2 46.2 85.8
49 113.3 76.4 141.8

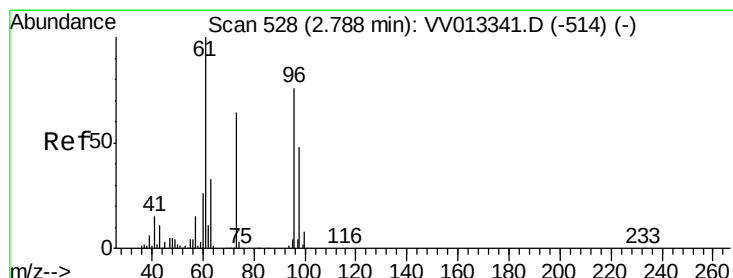
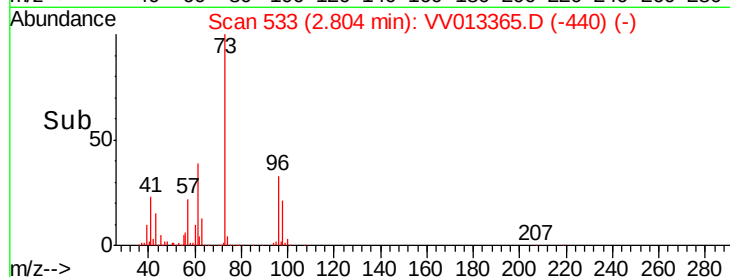
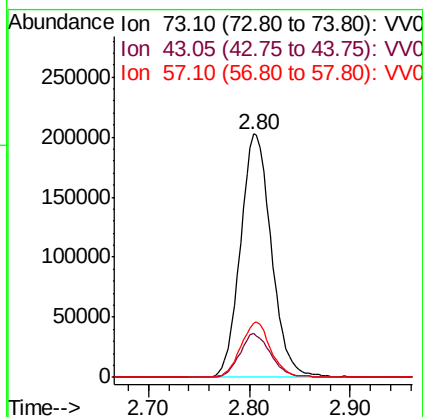
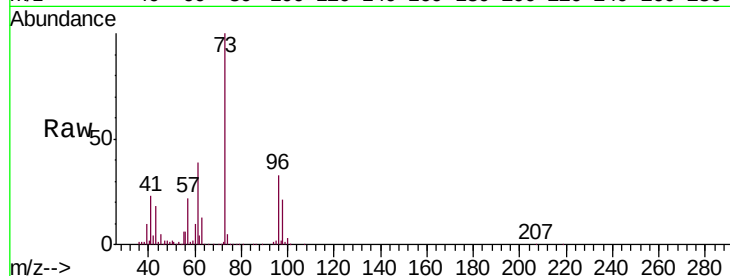




#17
Methyl tert-butyl Ether
Concen: 4.926 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV013365.D
Acq: 25 Oct 2019 23:18

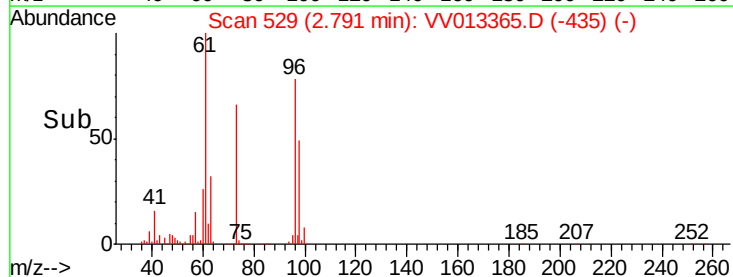
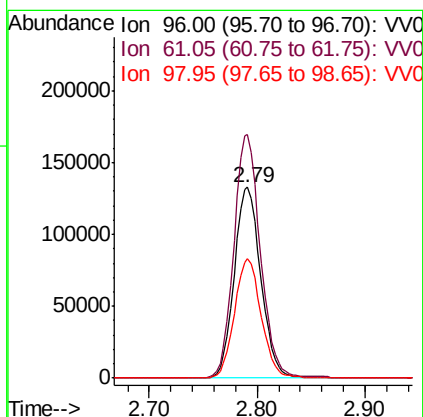
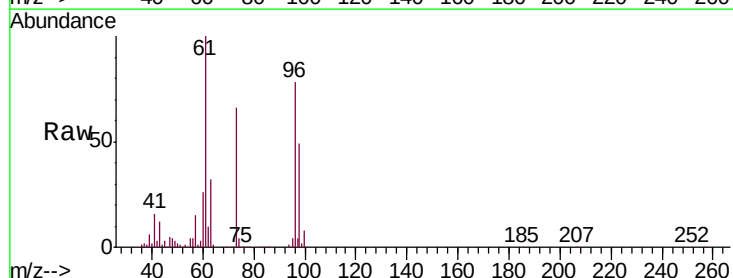
Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

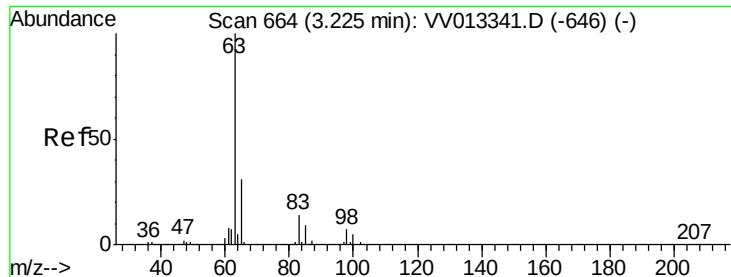
Tgt Ion: 73 Resp: 428724
Ion Ratio Lower Upper
73 100
43 17.8 13.1 19.7
57 22.2 16.4 24.6



#18
trans-1,2-Dichloroethene
Concen: 5.177 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013365.D
Acq: 25 Oct 2019 23:18

Tgt Ion: 96 Resp: 229346
Ion Ratio Lower Upper
96 100
61 127.5 84.4 156.8
98 62.7 44.4 82.4

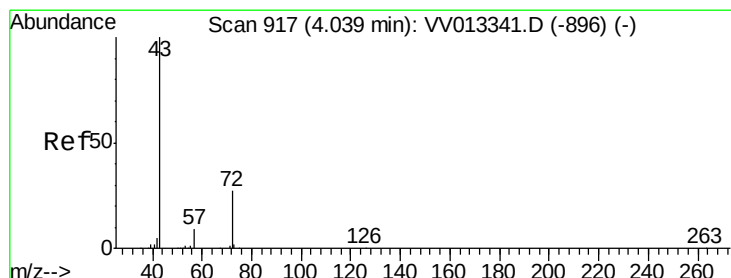
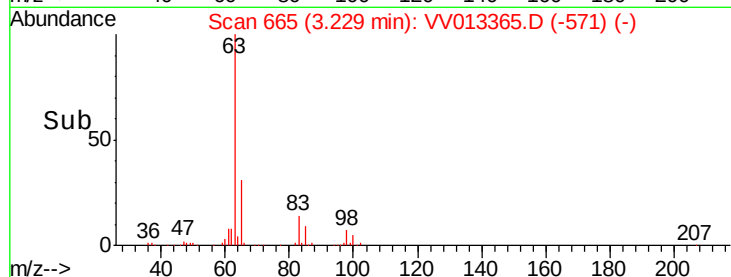
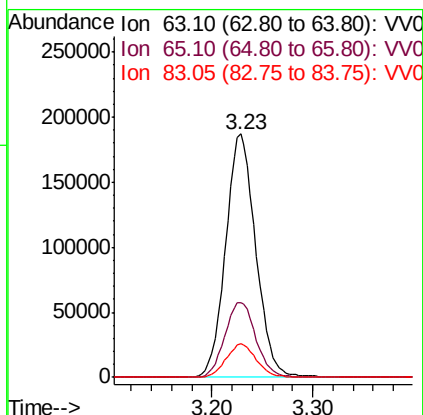
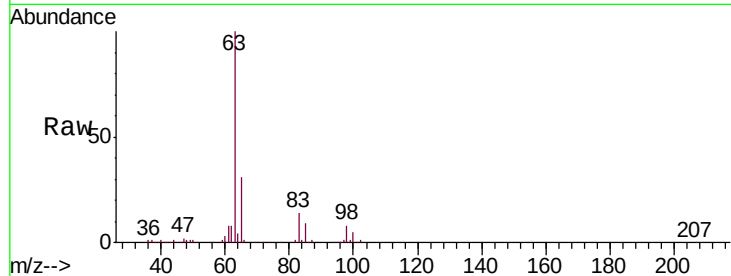




#19
 1,1-Dichloroethane
 Concen: 5.402 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

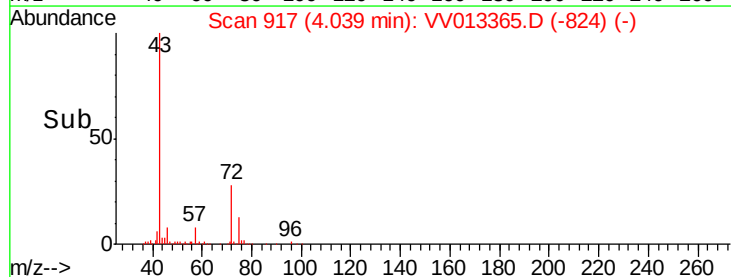
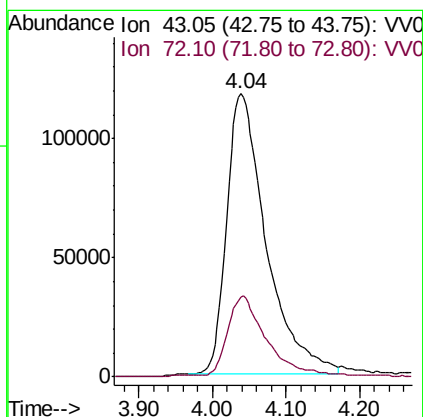
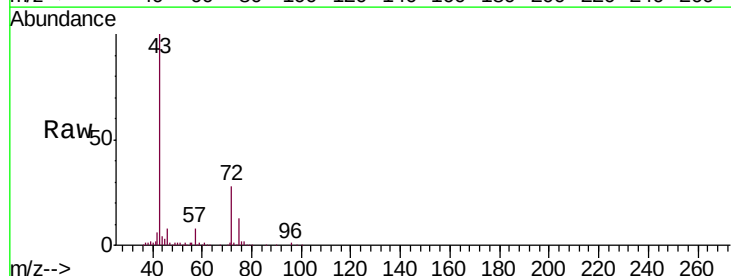
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

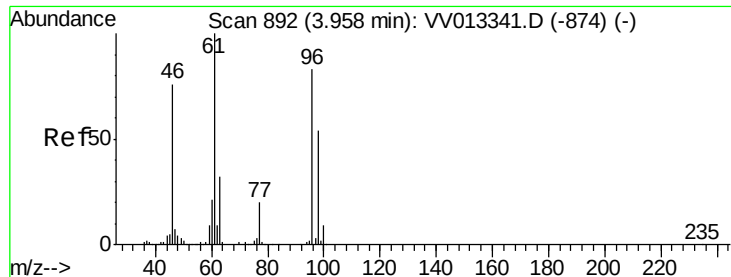
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.7	23.0	42.8
83	13.7	10.2	19.0



#21
 2-Butanone
 Concen: 56.110 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.3	13.1	39.3





#22

cis-1,2-Dichloroethene

Concen: 4.899 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

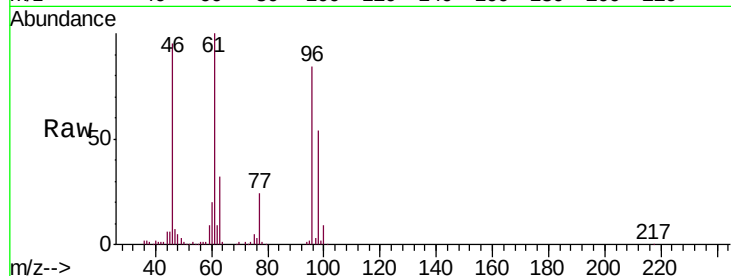
Tgt Ion: 96 Resp: 232306

Ion Ratio Lower Upper

96 100

61 118.8 77.3 143.7

68 0.0 0.1 0.1#

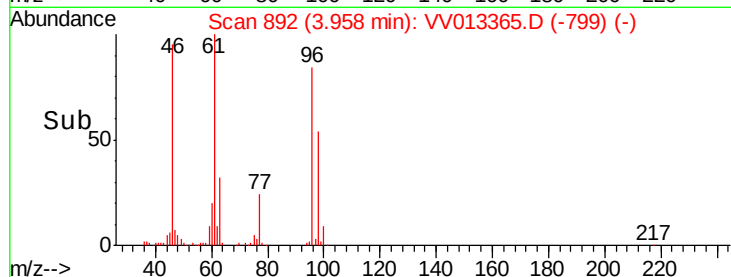


Abundance Ion 96.00 (95.70 to 96.70): VV013341.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VV013341.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VV013341.D (-874) (-)

Time-->

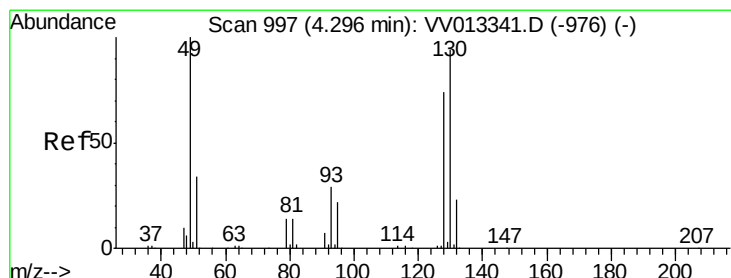


Abundance Ion 96.00 (95.70 to 96.70): VV013365.D (-799) (-)

Ion 61.05 (60.75 to 61.75): VV013365.D (-799) (-)

Ion 68.15 (67.85 to 68.85): VV013365.D (-799) (-)

Time-->



#23

Bromochloromethane

Concen: 4.767 ug/L

RT: 4.30 min Scan# 998

Delta R.T. 0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Tgt Ion: 128 Resp: 107261

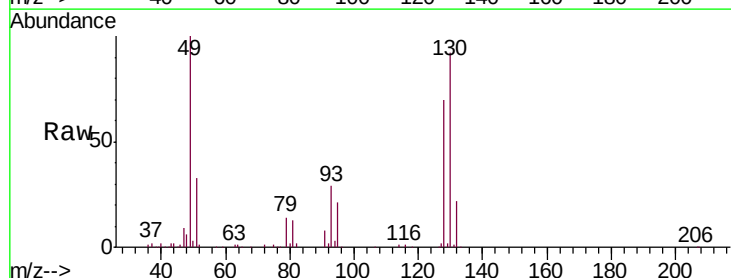
Ion Ratio Lower Upper

128 100

49 142.4 109.9 204.1

130 131.1 88.7 164.7

51 47.0 39.3 58.9



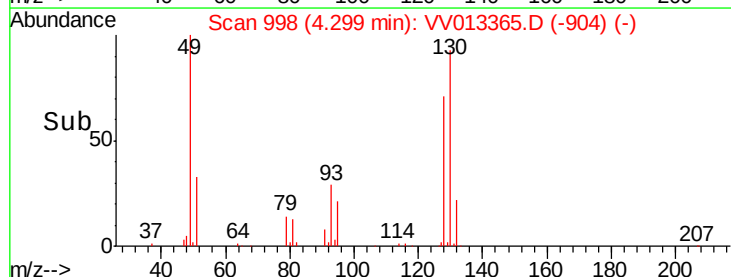
Abundance Ion 127.90 (127.60 to 128.60): VV013341.D (-976) (-)

Ion 49.10 (48.80 to 49.80): VV013341.D (-976) (-)

Ion 129.95 (129.65 to 130.65): VV013341.D (-976) (-)

Ion 51.05 (50.75 to 51.75): VV013341.D (-976) (-)

Time-->



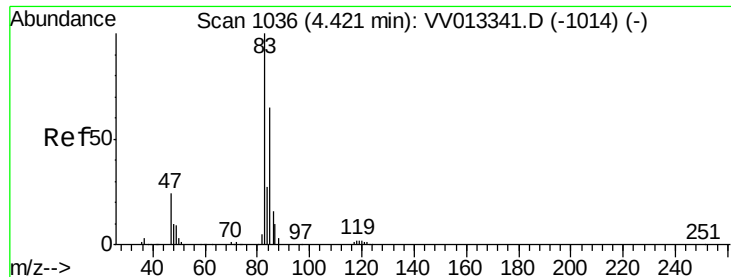
Abundance Ion 127.90 (127.60 to 128.60): VV013365.D (-904) (-)

Ion 49.10 (48.80 to 49.80): VV013365.D (-904) (-)

Ion 129.95 (129.65 to 130.65): VV013365.D (-904) (-)

Ion 51.05 (50.75 to 51.75): VV013365.D (-904) (-)

Time-->



#25

Chloroform

Concen: 4.454 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

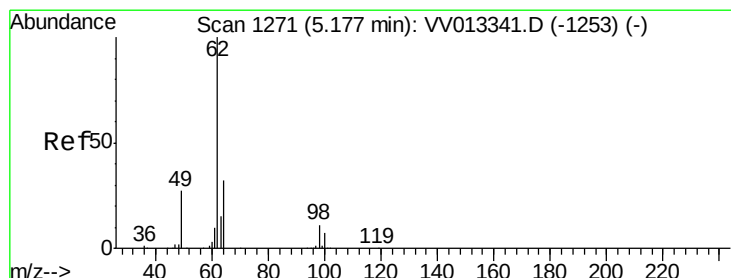
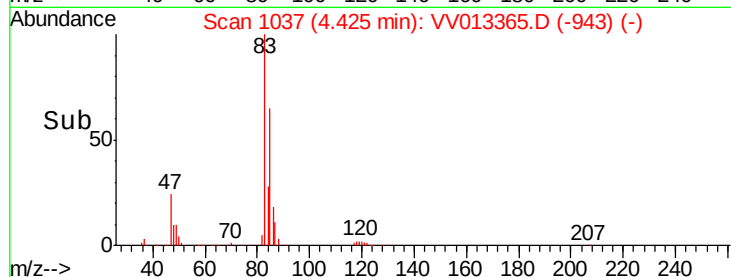
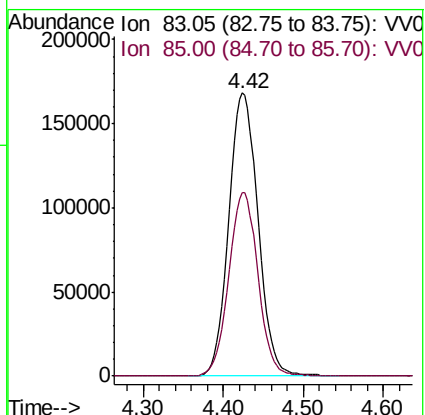
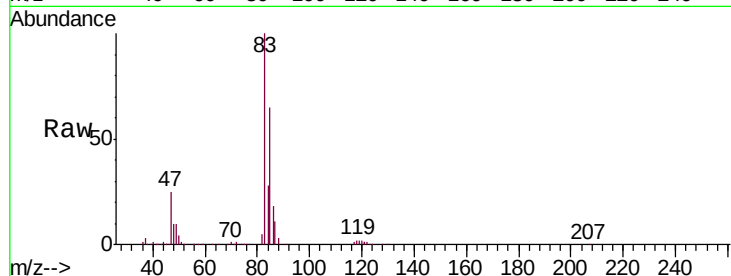
VSTD00556

Tgt Ion: 83 Resp: 418115

Ion Ratio Lower Upper

83 100

85 64.9 45.7 84.9



#27

1,2-Dichloroethane

Concen: 4.329 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV013365.D

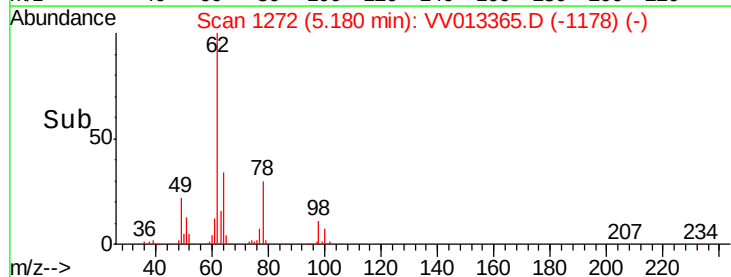
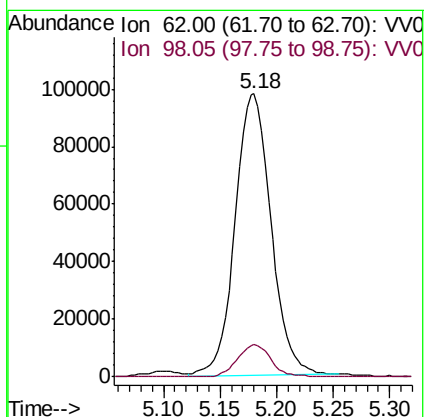
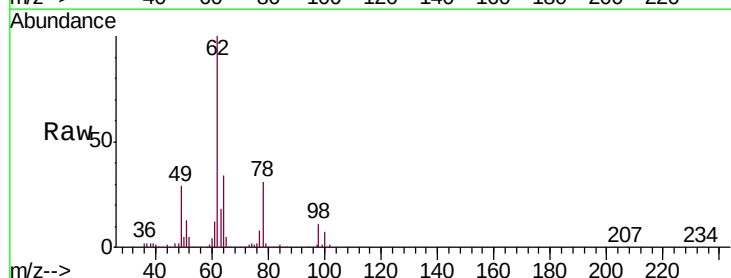
Acq: 25 Oct 2019 23:18

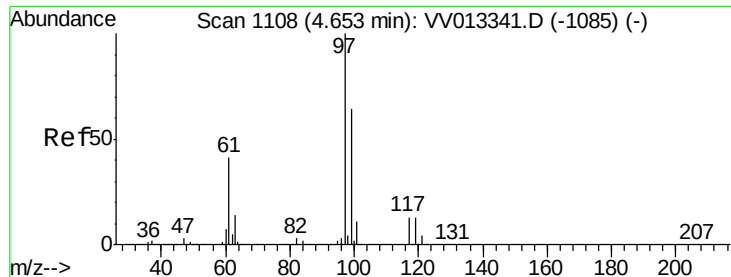
Tgt Ion: 62 Resp: 217026

Ion Ratio Lower Upper

62 100

98 11.3 8.3 12.5

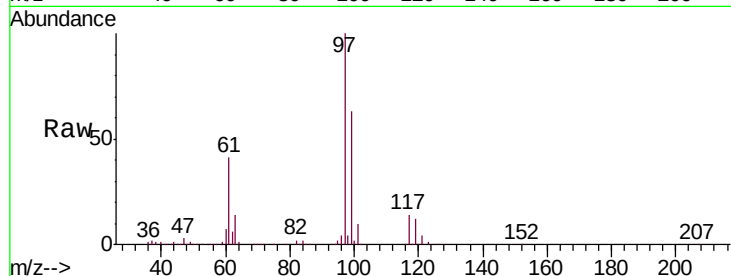




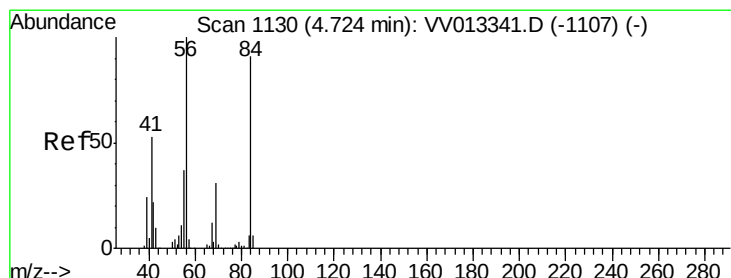
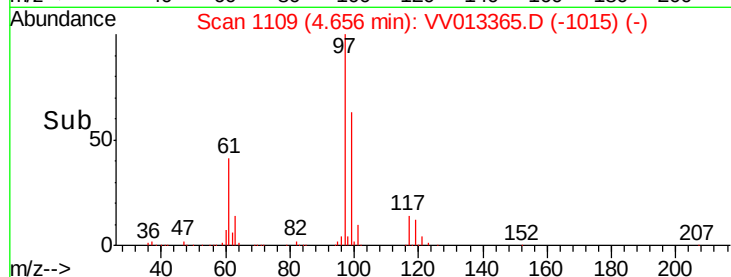
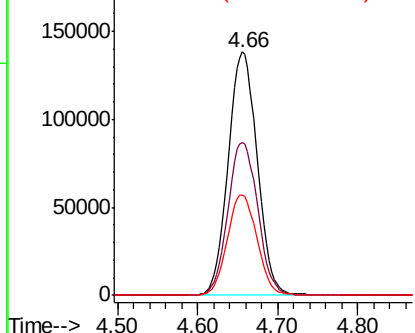
#29
 1,1,1-Trichloroethane
 Concen: 4.587 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion: 97 Resp: 341415
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 42.4 34.3 51.5

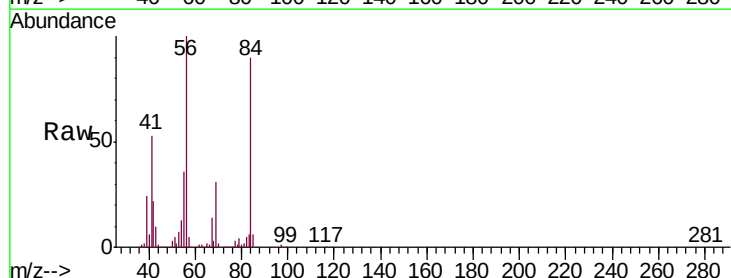


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

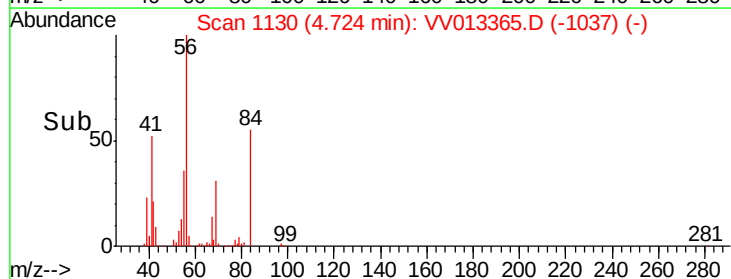
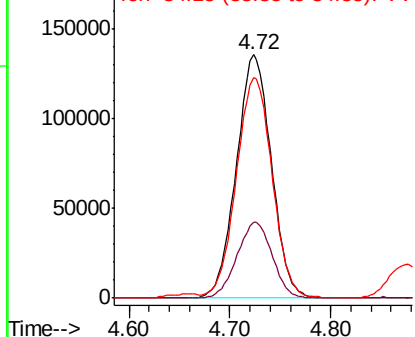


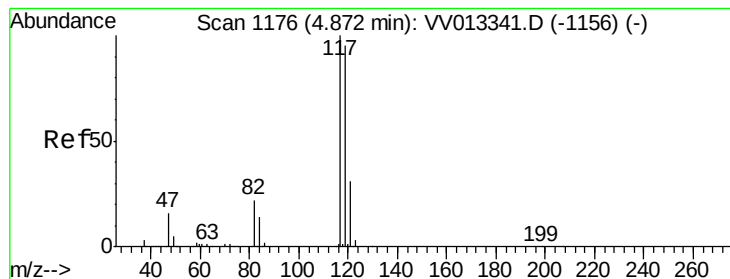
#30
 Cyclohexane
 Concen: 4.203 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

Tgt Ion: 56 Resp: 324745
 Ion Ratio Lower Upper
 56 100
 69 31.5 24.6 37.0
 84 93.1 71.0 106.6



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: 4.700 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

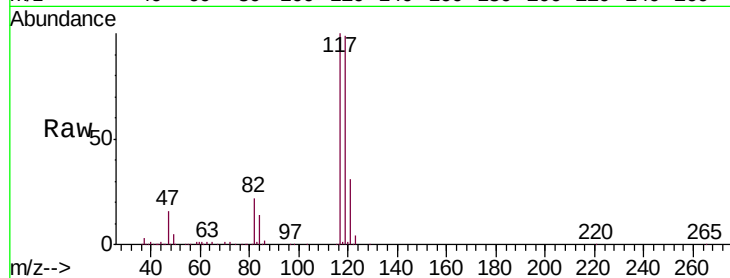
VSTD00556

Tgt Ion:117 Resp: 313872

Ion Ratio Lower Upper

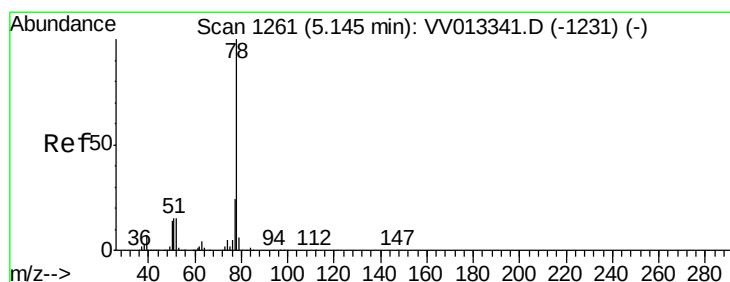
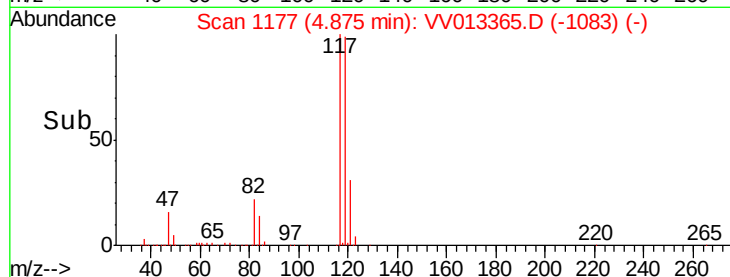
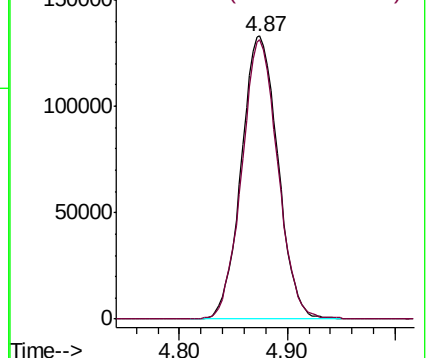
117 100

119 96.8 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.622 ug/L

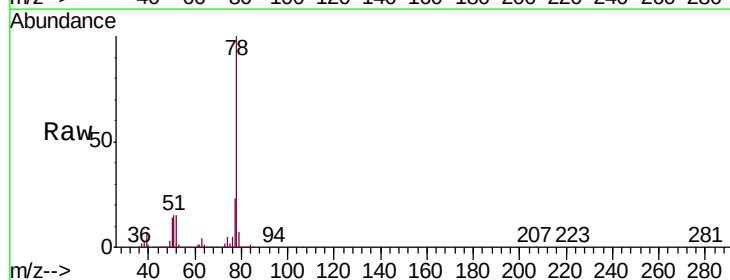
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

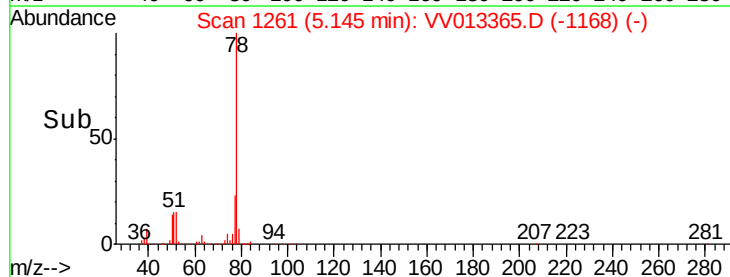
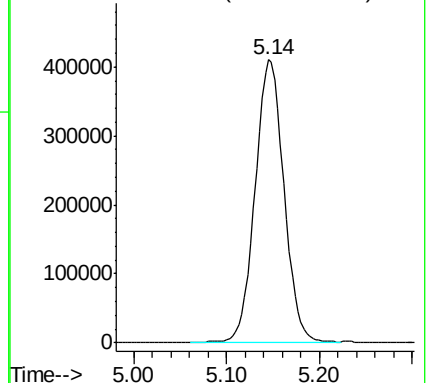
Lab File: VV013365.D

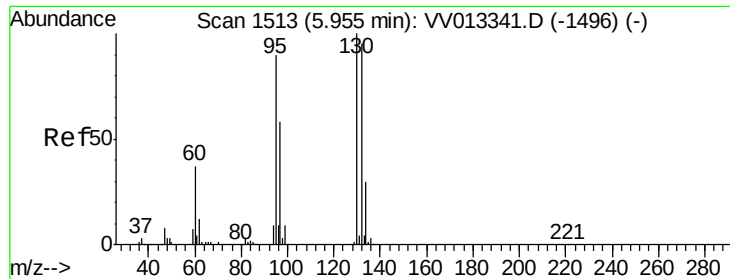
Acq: 25 Oct 2019 23:18

Tgt Ion: 78 Resp: 888792



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.675 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

Tgt Ion: 95 Resp: 241205

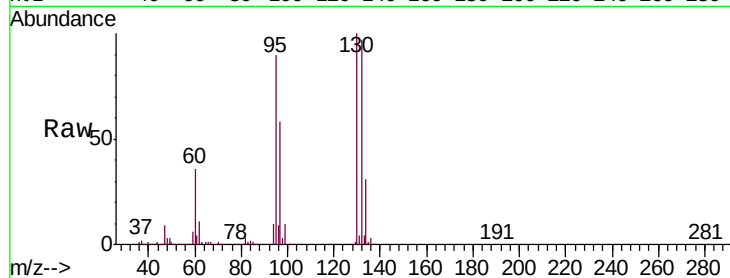
Ion Ratio Lower Upper

95 100

97 64.3 45.2 84.0

132 106.9 70.6 131.2

130 110.8 75.5 140.3

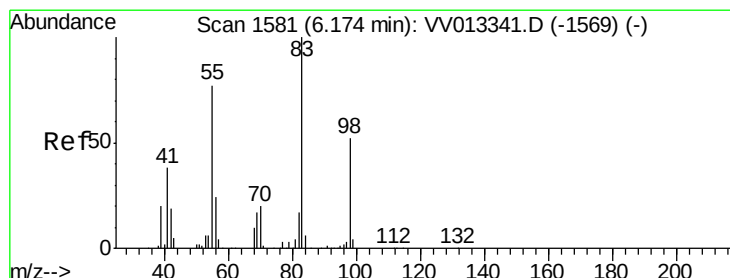
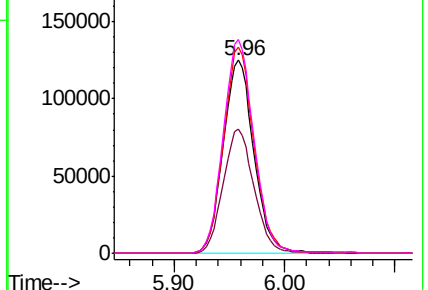
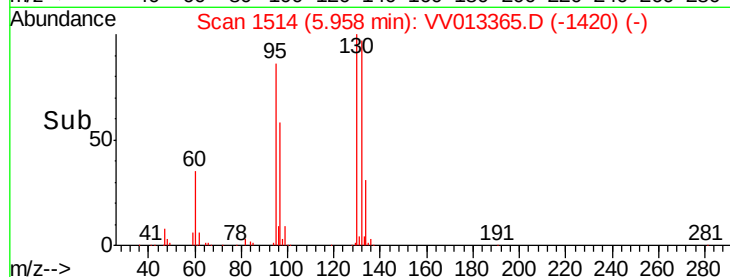


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.438 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

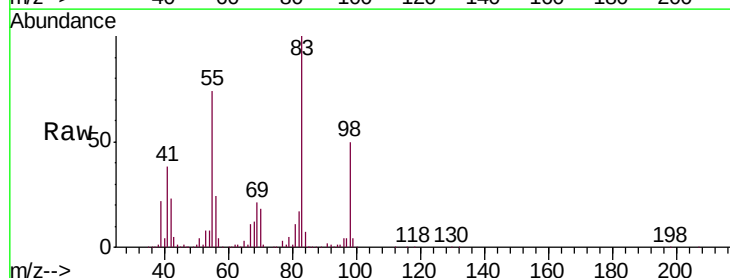
Tgt Ion: 83 Resp: 352296

Ion Ratio Lower Upper

83 100

55 74.1 62.4 93.6

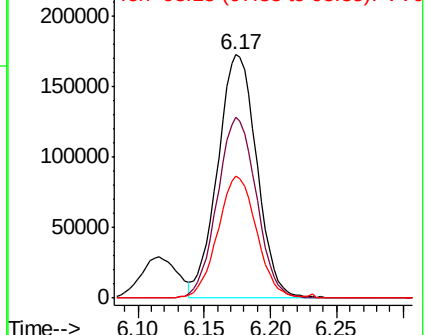
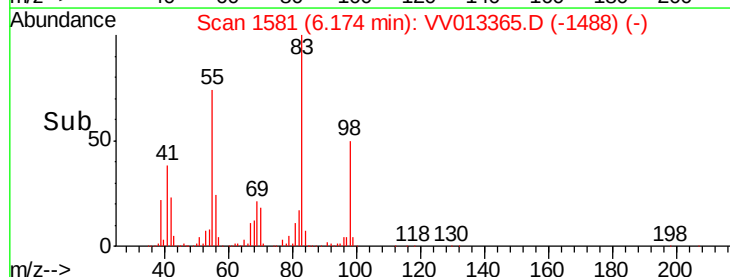
98 49.1 39.2 58.8

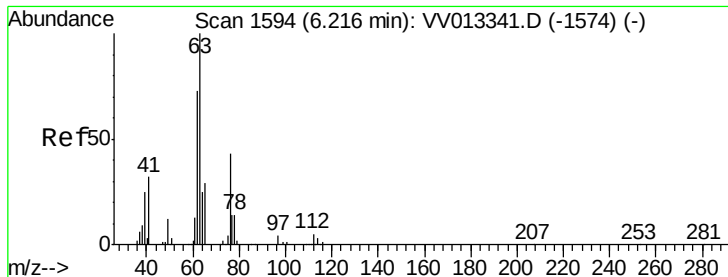


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

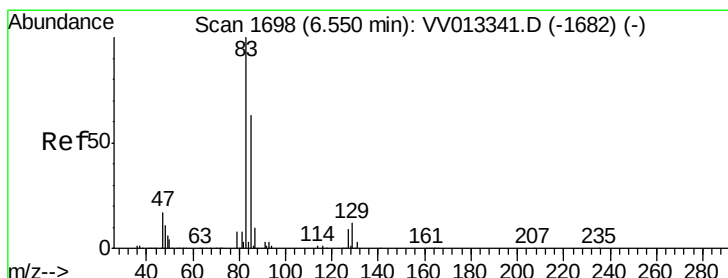
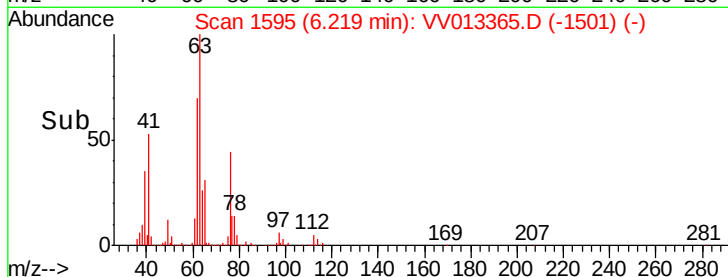
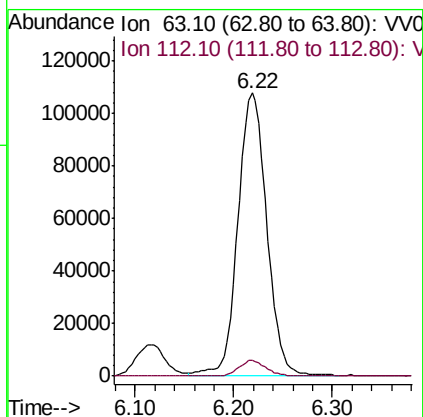
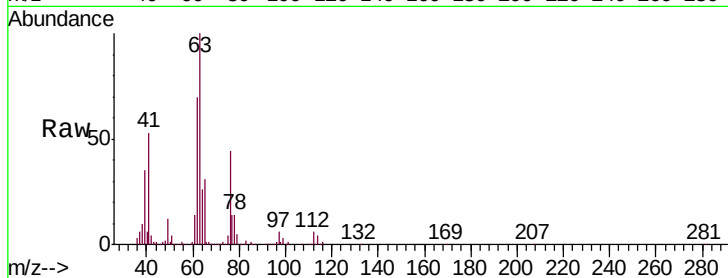




#37
 1,2-Dichloropropane
 Concen: 4.653 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

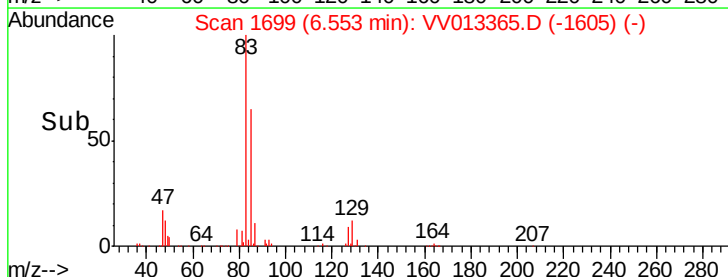
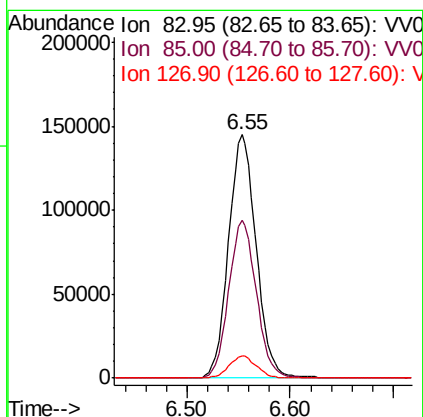
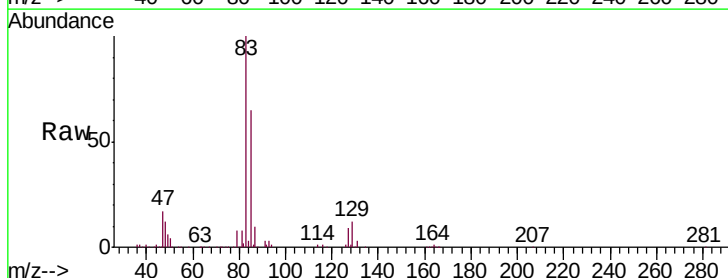
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

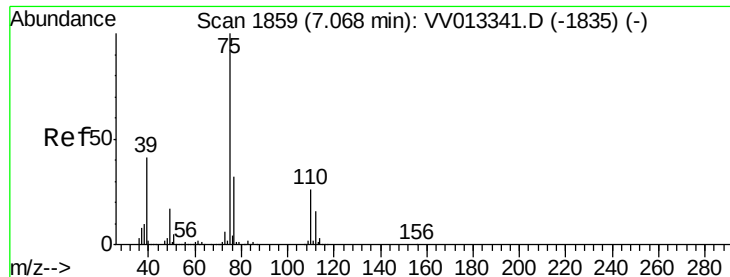
Tgt Ion: 63 Resp: 217355
 Ion Ratio Lower Upper
 63 100
 112 5.2 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.476 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

Tgt Ion: 83 Resp: 270626
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.4 82.5
 127 9.1 6.6 10.0

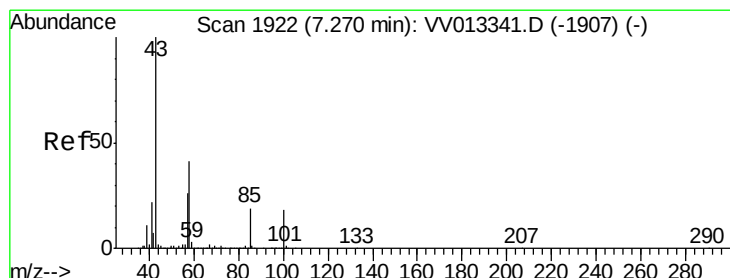
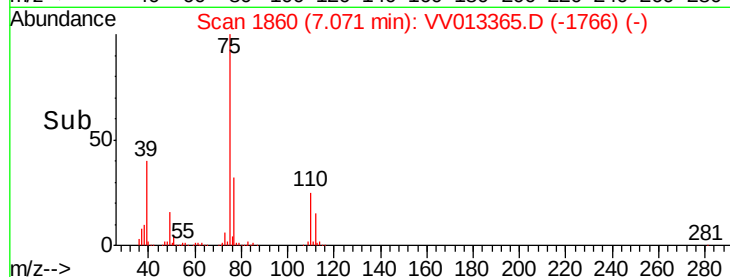
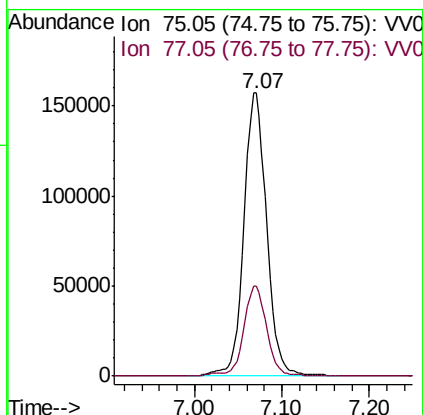
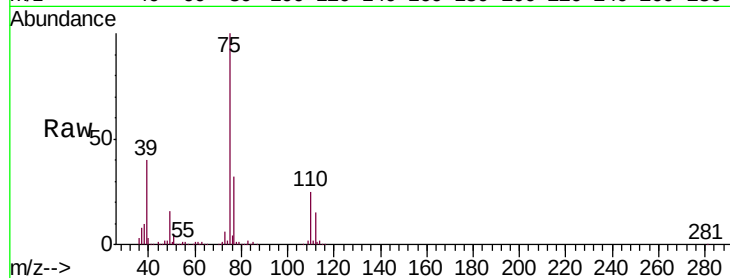




#39
 cis-1,3-Dichloropropene
 Concen: 4.342 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

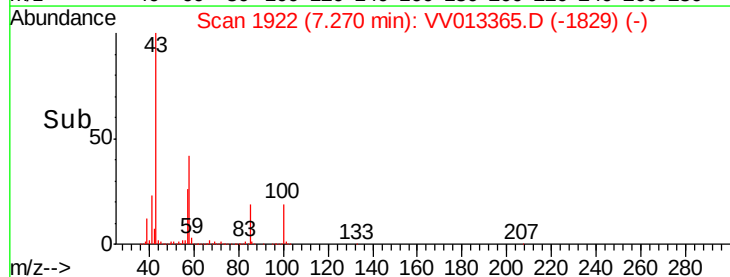
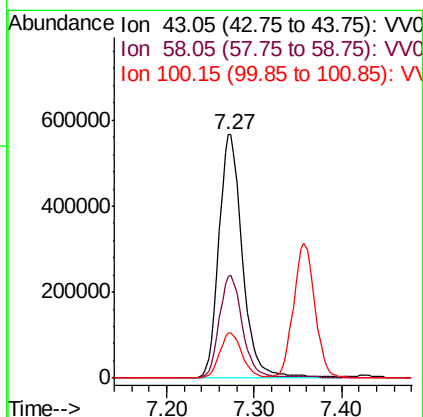
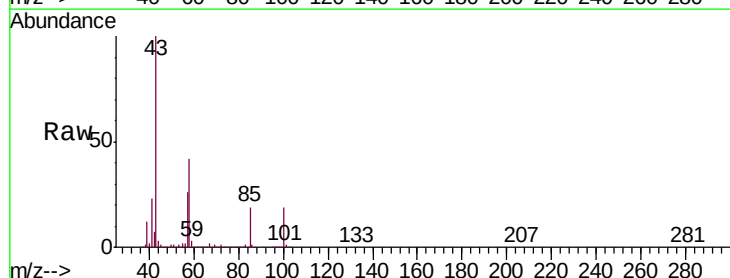
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

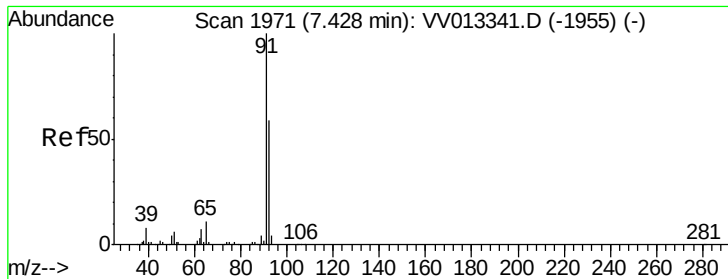
Tgt Ion: 75 Resp: 285679
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 44.406 ug/L
 RT: 7.27 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

Tgt Ion: 43 Resp: 1060284
 Ion Ratio Lower Upper
 43 100
 58 41.3 30.7 46.1
 100 17.8 12.4 18.6





#42

Toluene

Concen: 4.867 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

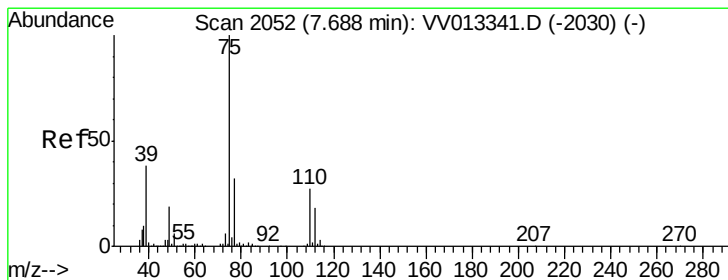
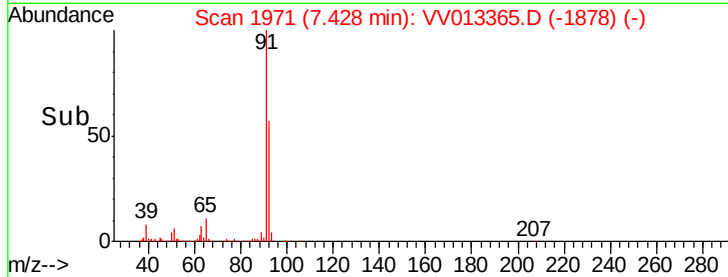
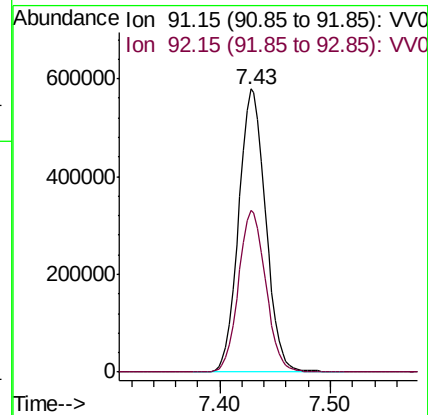
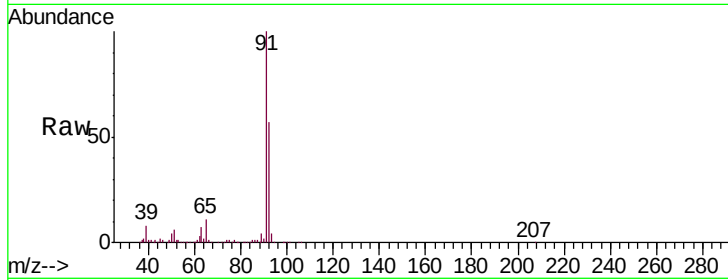
VSTD00556

Tgt Ion: 91 Resp: 982834

Ion Ratio Lower Upper

91 100

92 57.1 40.5 75.1



#44

trans-1,3-Dichloropropene

Concen: 4.363 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013365.D

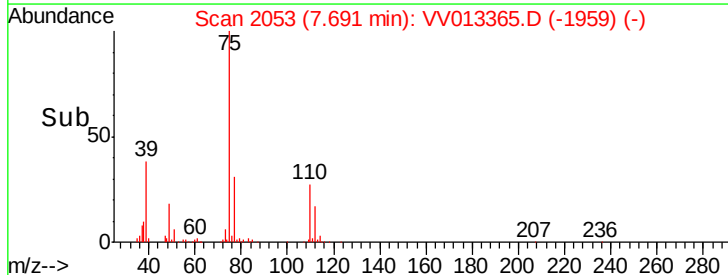
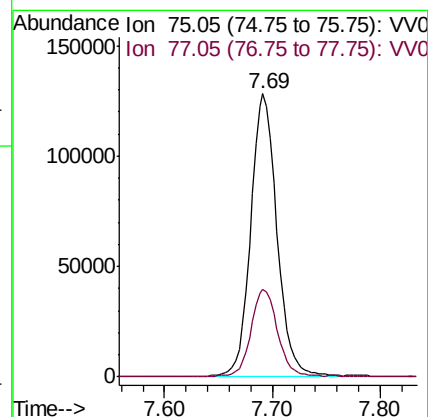
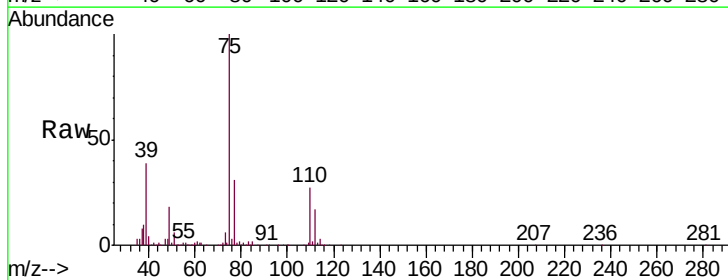
Acq: 25 Oct 2019 23:18

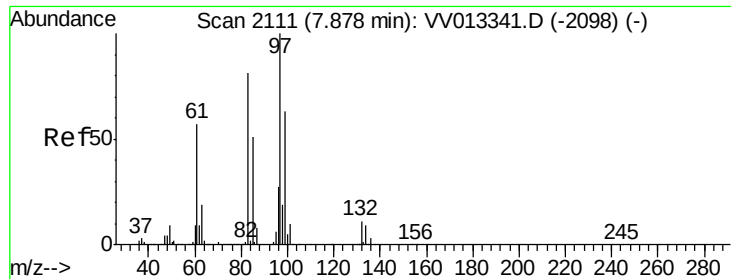
Tgt Ion: 75 Resp: 217451

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.6

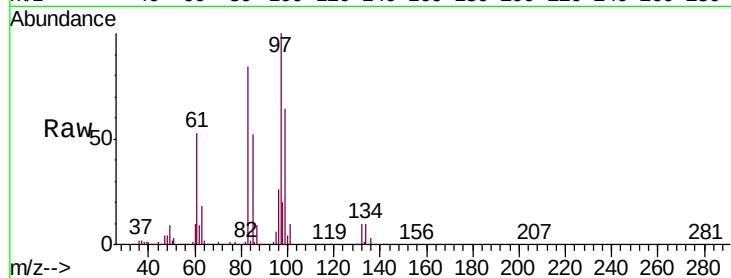




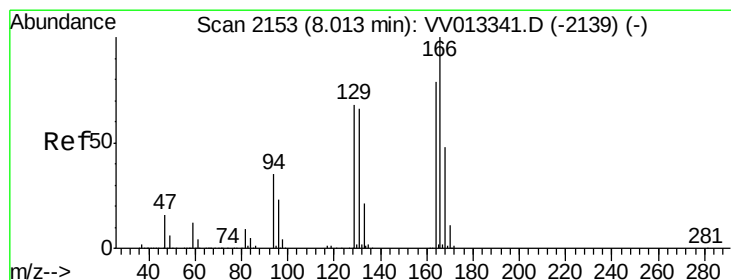
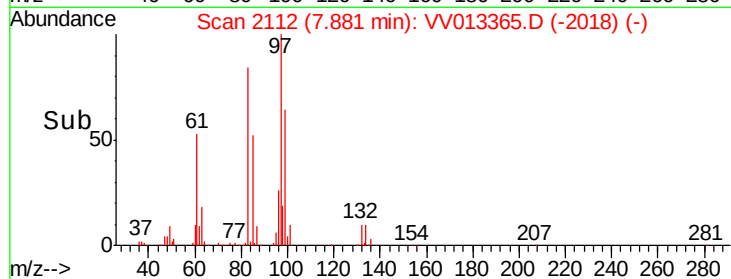
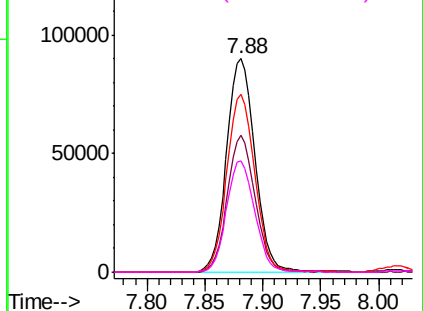
#45
 1,1,2-Trichloroethane
 Concen: 4.697 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion:	97	Resp:	153129
Ion	Ratio	Lower	Upper
97	100		
99	63.9	42.2	78.4
83	83.5	58.4	108.4
85	52.3	37.0	68.6

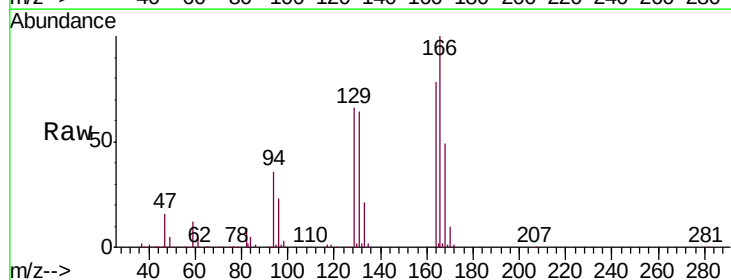


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

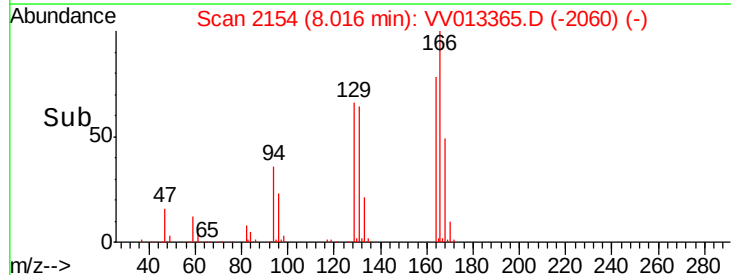
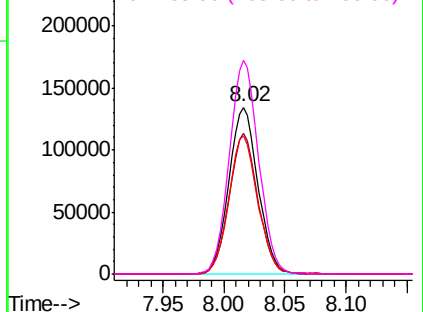


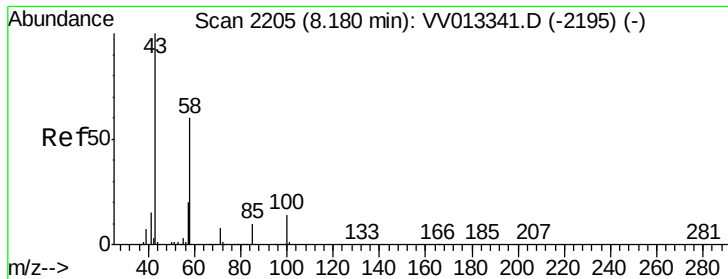
#47
 Tetrachloroethene
 Concen: 4.784 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

Tgt Ion:	164	Resp:	224138
Ion	Ratio	Lower	Upper
164	100		
129	84.7	61.0	113.2
131	82.7	57.5	106.9
166	128.3	87.8	163.0



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

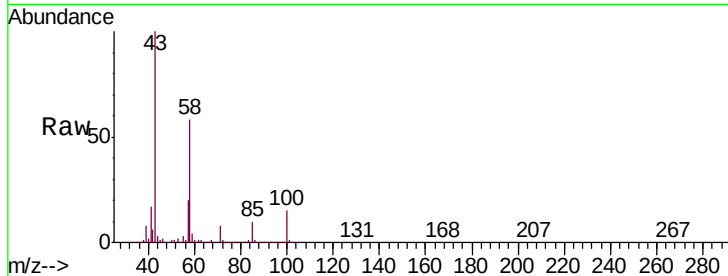




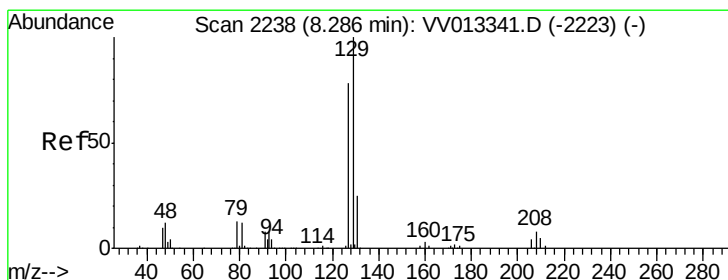
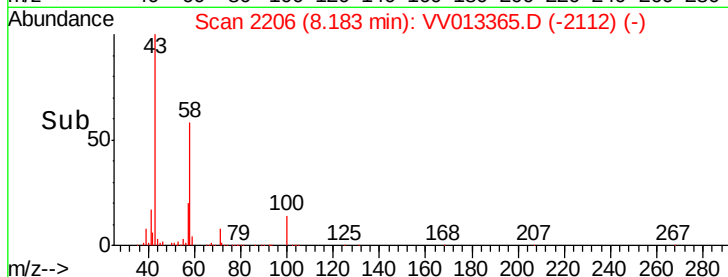
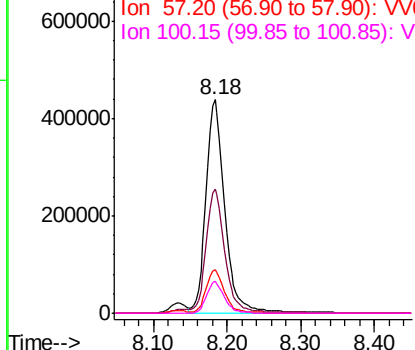
#48
2-Hexanone
Concen: 45.837 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV013365.D
Acq: 25 Oct 2019 23:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

Tgt Ion:	43	Resp:	781296
Ion	Ratio	Lower	Upper
43	100		
58	57.7	45.1	67.7
57	19.9	15.5	23.3
100	14.0	10.2	15.2

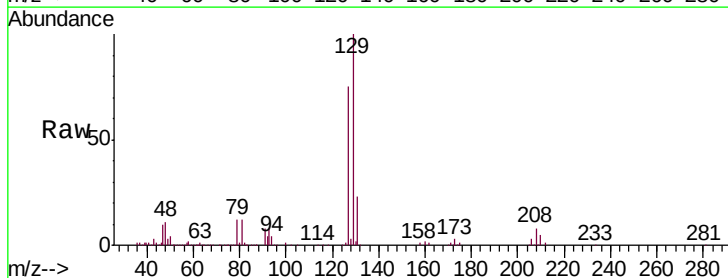


Abundance Ion 43.05 (42.75 to 43.75): VV013341.D (-2195) (-)
Ion 58.05 (57.75 to 58.75): VV013341.D (-2195) (-)
Ion 57.20 (56.90 to 57.90): VV013341.D (-2195) (-)
Ion 100.15 (99.85 to 100.85): VV013341.D (-2195) (-)

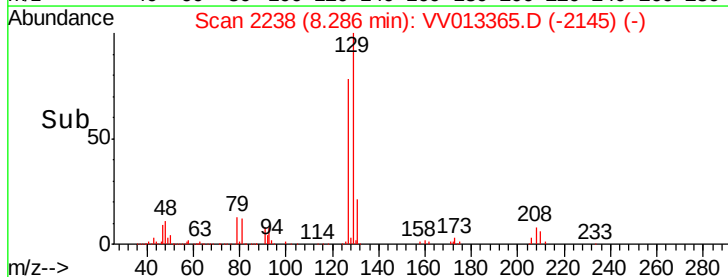
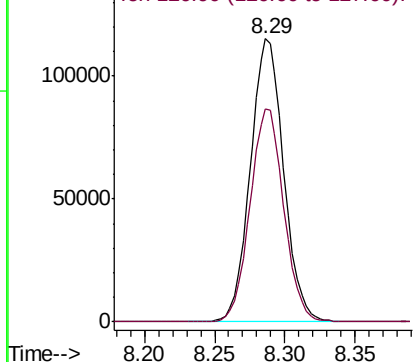


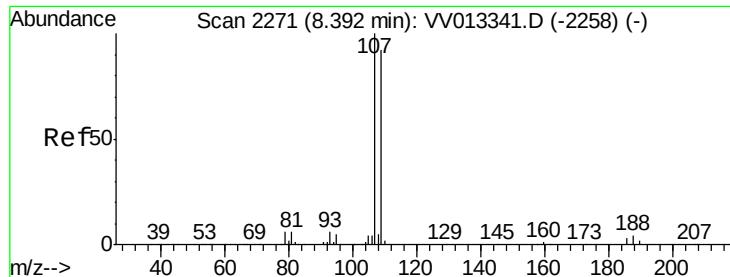
#49
Dibromochloromethane
Concen: 4.628 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV013365.D
Acq: 25 Oct 2019 23:18

Tgt Ion:	129	Resp:	190070
Ion	Ratio	Lower	Upper
129	100		
127	75.3	54.1	100.5



Abundance Ion 128.95 (128.65 to 129.65): VV013341.D (-2223) (-)
Ion 126.90 (126.60 to 127.60): VV013341.D (-2223) (-)

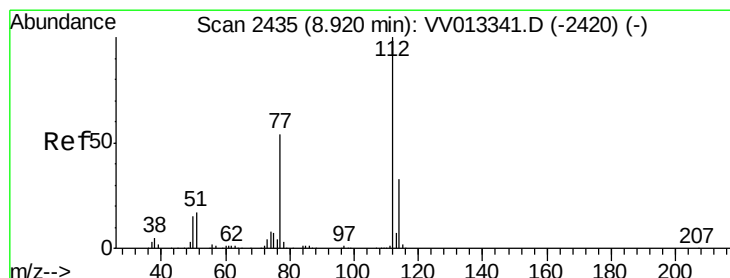
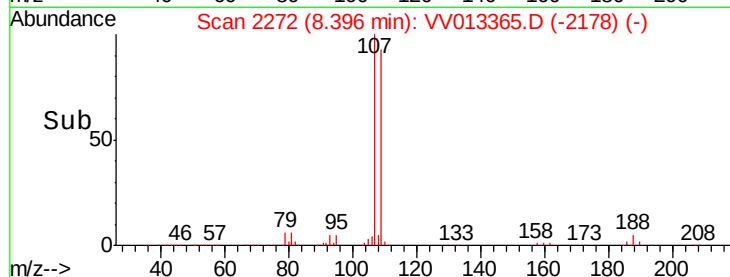
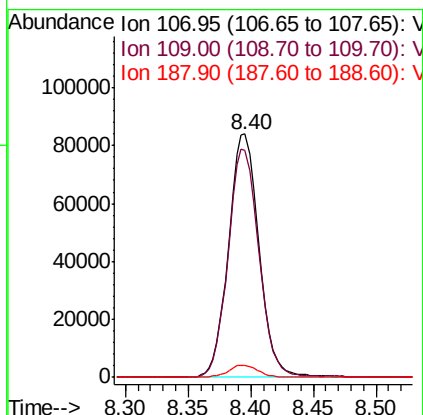
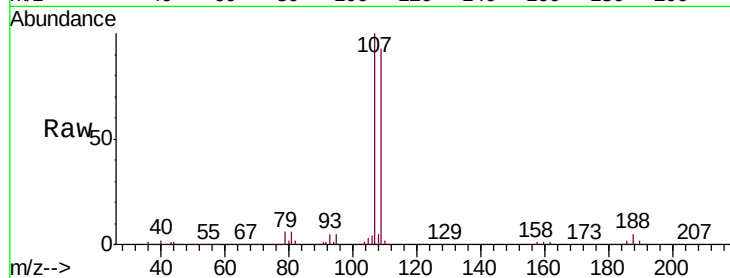




#50
1,2-Dibromoethane
Concen: 4.562 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013365.D
Acq: 25 Oct 2019 23:18

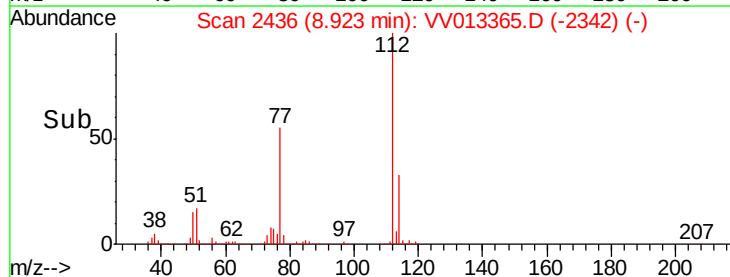
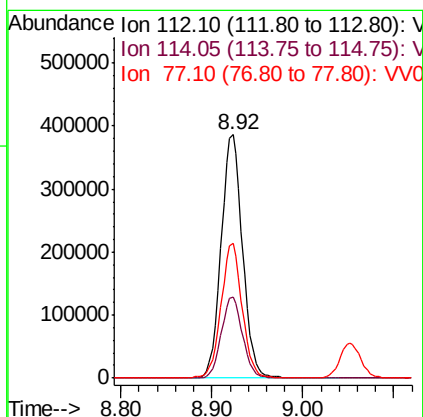
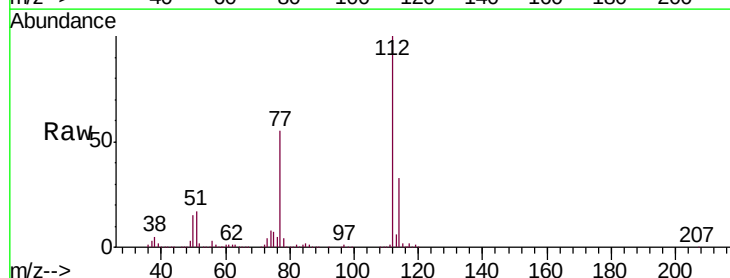
Instrument :
MSVOA_V
ClientSampled :
VSTD00556

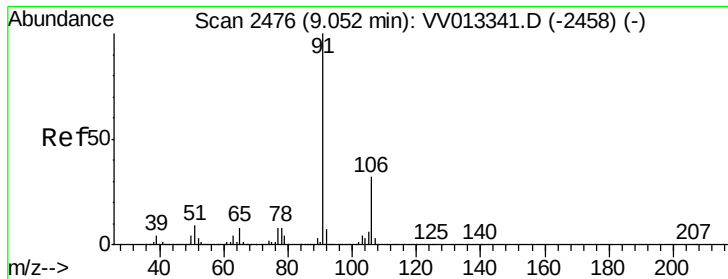
Tgt Ion:107 Resp: 141720
Ion Ratio Lower Upper
107 100
109 93.0 65.5 121.6
188 4.7 3.7 5.5



#51
Chlorobenzene
Concen: 4.762 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. 0.00 min
Lab File: VV013365.D
Acq: 25 Oct 2019 23:18

Tgt Ion:112 Resp: 629529
Ion Ratio Lower Upper
112 100
114 33.2 21.8 40.6
77 55.2 44.4 66.6





#52

Ethylbenzene

Concen: 4.770 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

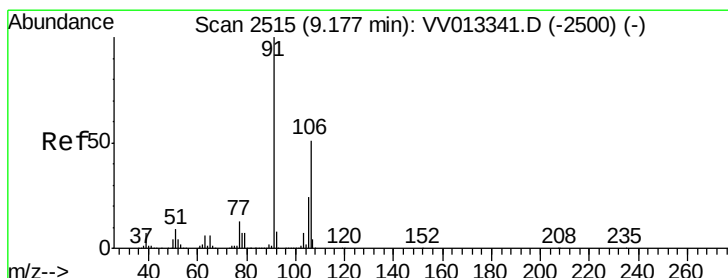
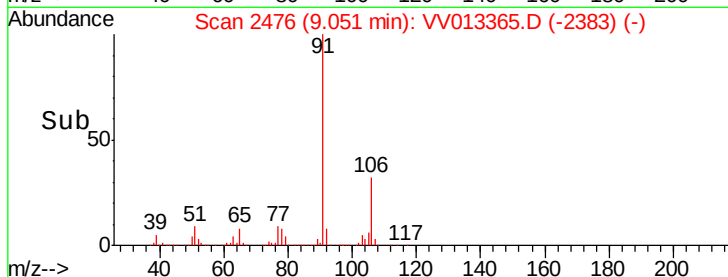
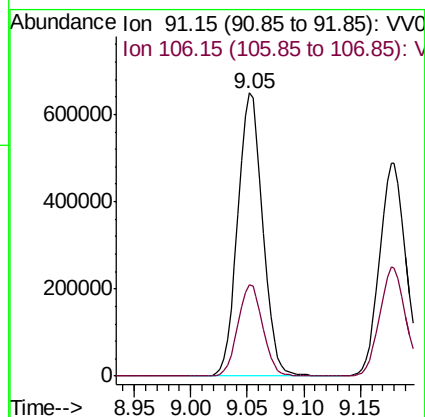
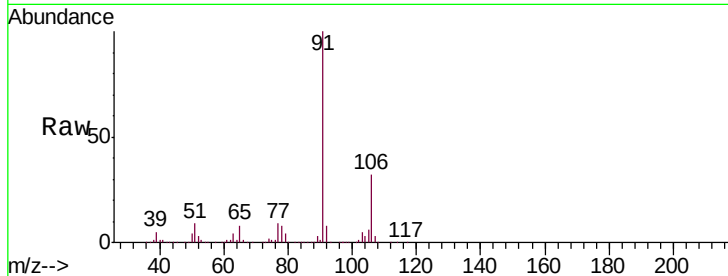
VSTD00556

Tgt Ion: 91 Resp: 1004059

Ion Ratio Lower Upper

91 100

106 32.2 22.4 41.6



#53

m,p-xylene

Concen: 4.970 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013365.D

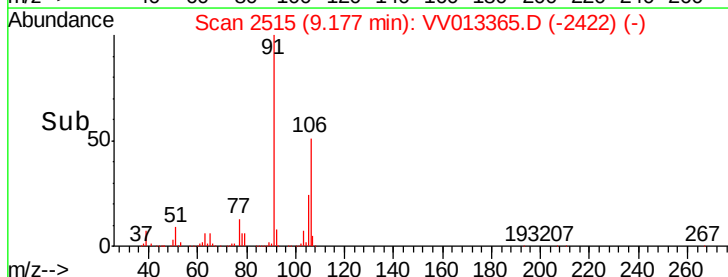
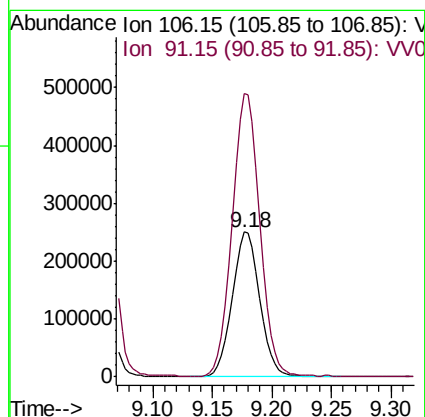
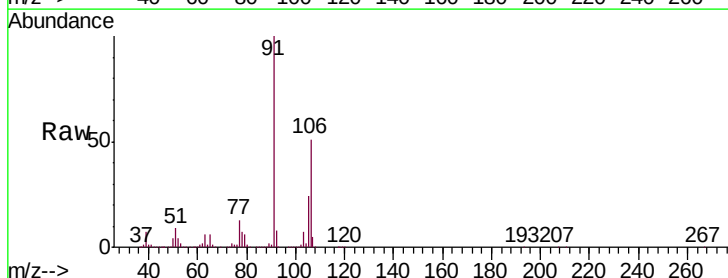
Acq: 25 Oct 2019 23:18

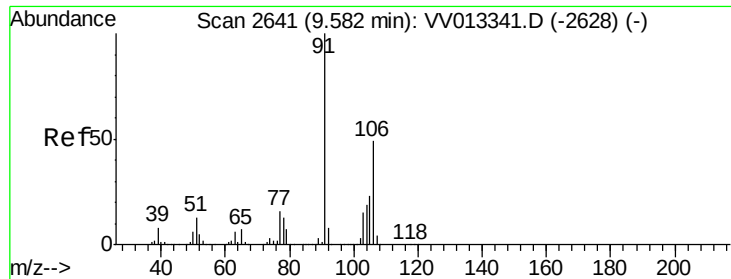
Tgt Ion: 106 Resp: 400513

Ion Ratio Lower Upper

106 100

91 195.6 137.8 255.8

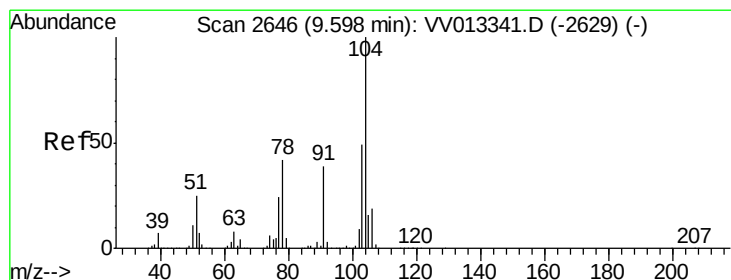
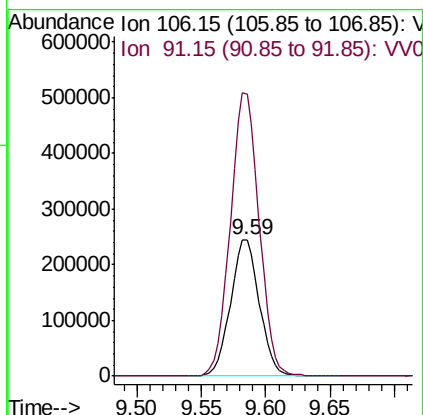
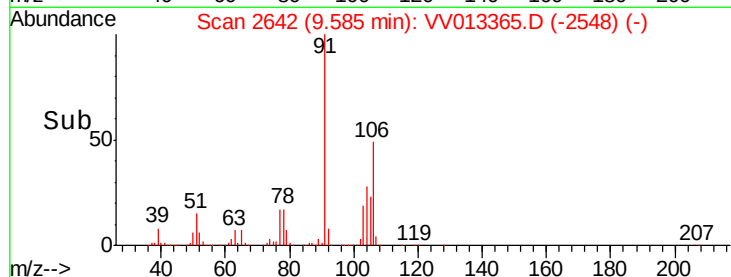
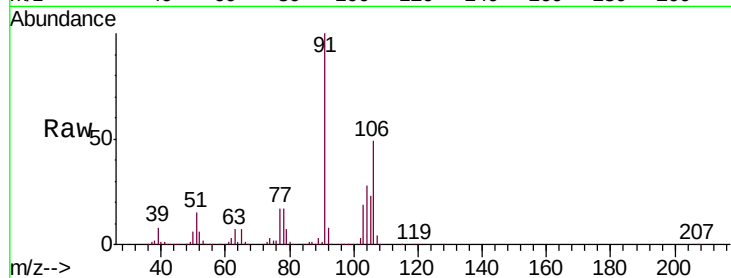




#54
o-xylene
Concen: 4.969 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV013365.D
Acq: 25 Oct 2019 23:18

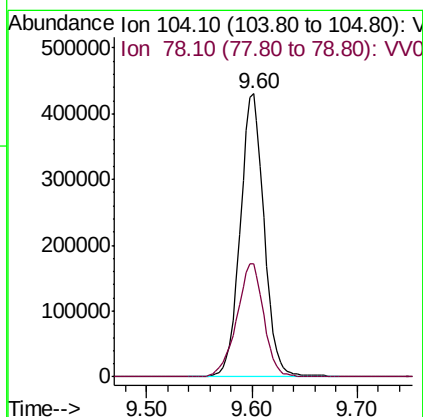
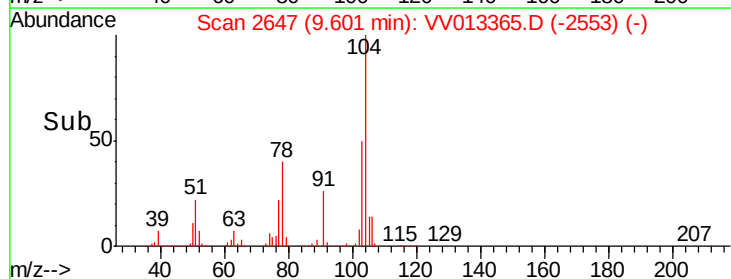
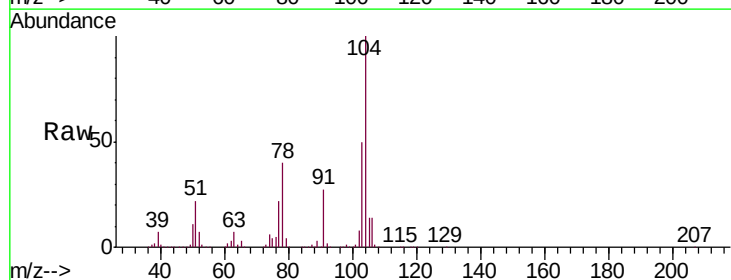
Instrument :
MSVOA_V
ClientSampleId :
VSTD00556

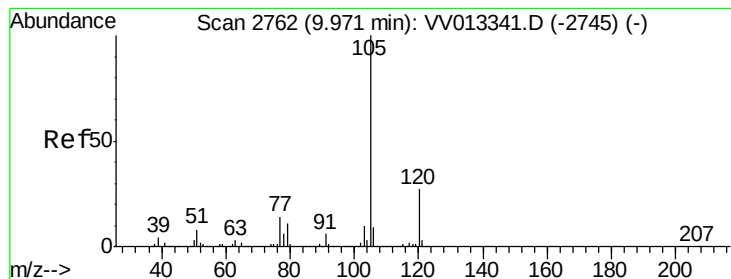
Tgt Ion:106 Resp: 380162
Ion Ratio Lower Upper
106 100
91 206.1 147.0 273.0



#55
Styrene
Concen: 5.186 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV013365.D
Acq: 25 Oct 2019 23:18

Tgt Ion:104 Resp: 674352
Ion Ratio Lower Upper
104 100
78 40.0 29.6 55.0





#56

Isopropylbenzene

Concen: 5.009 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

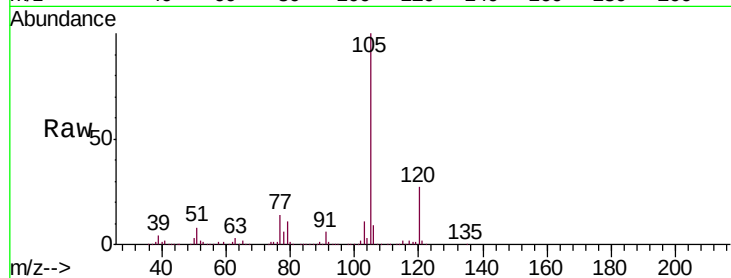
Tgt Ion:105 Resp: 1010821

Ion Ratio Lower Upper

105 100

120 27.6 21.8 32.6

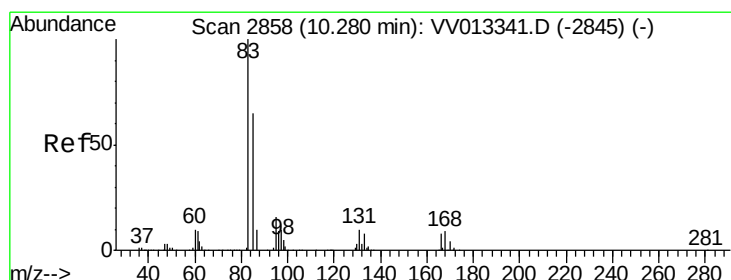
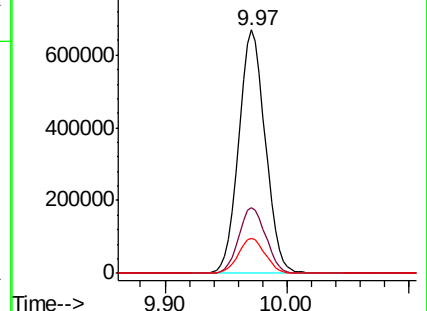
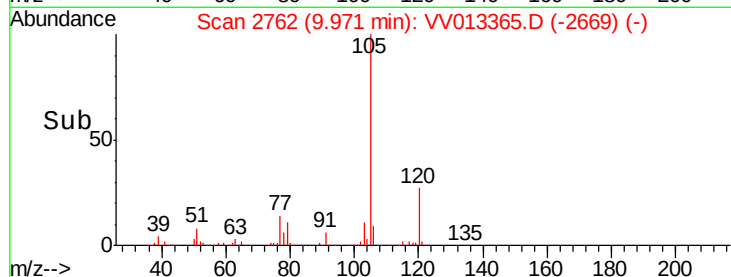
77 14.6 12.0 18.0



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: 4.192 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

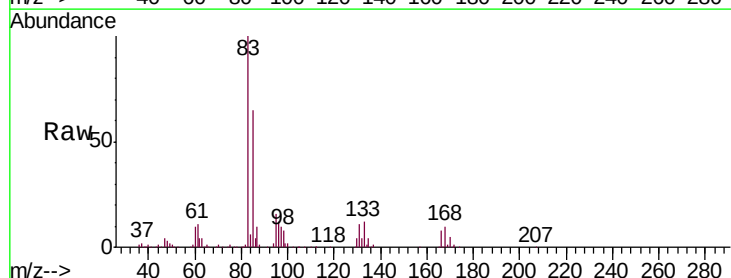
Tgt Ion: 83 Resp: 157112

Ion Ratio Lower Upper

83 100

85 64.9 43.3 80.3

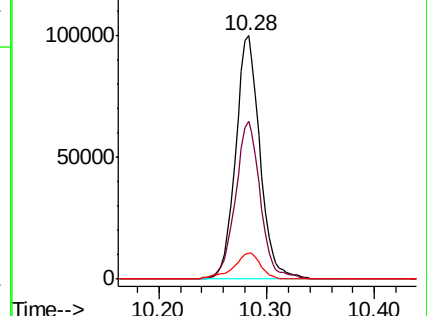
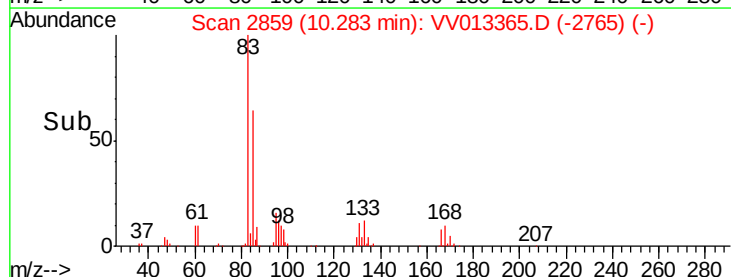
131 10.9 8.3 12.5

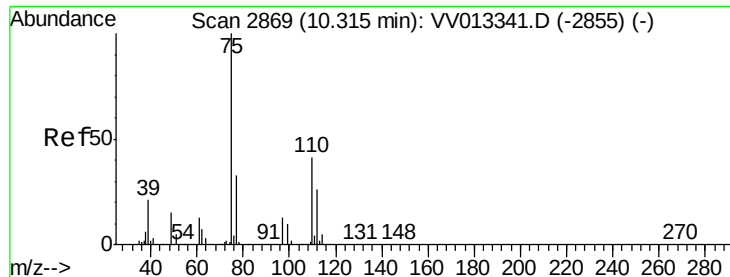


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.354 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

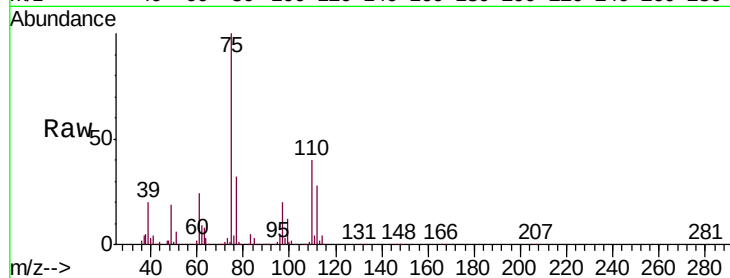
VSTD00556

Tgt Ion: 75 Resp: 121289

Ion Ratio Lower Upper

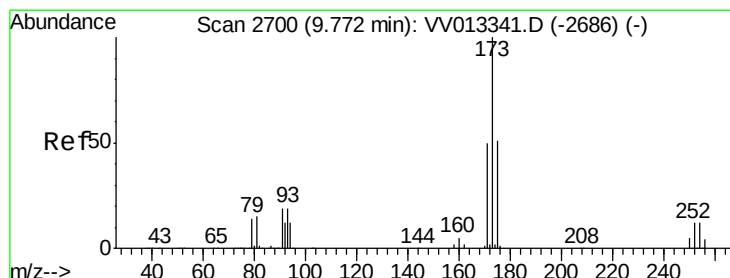
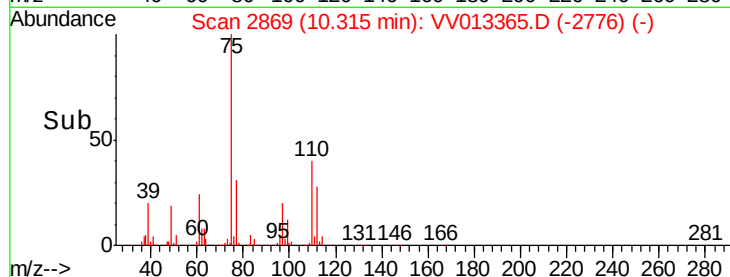
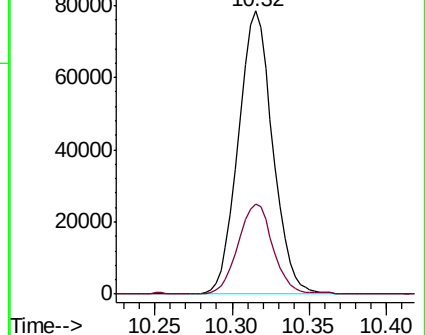
75 100

77 32.0 24.7 37.1



Abundance Ion 75.00 (74.70 to 75.70): VV013341.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV013341.D (-2855) (-)



#61

Bromoform

Concen: 4.451 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

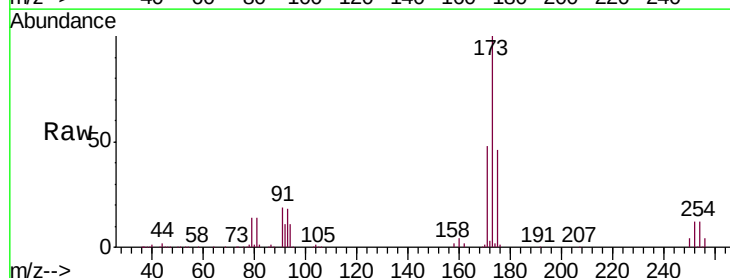
Tgt Ion: 173 Resp: 111607

Ion Ratio Lower Upper

173 100

175 48.9 38.8 58.2

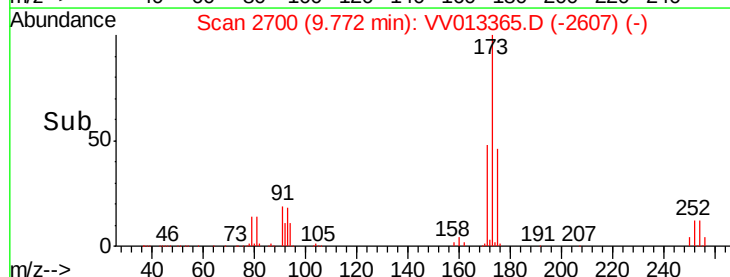
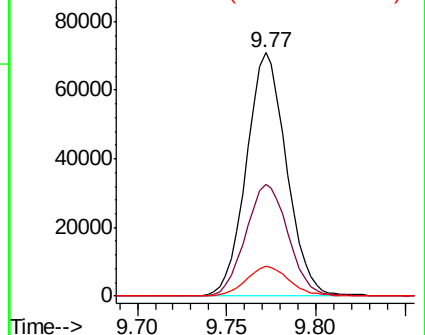
254 13.1 9.8 14.8

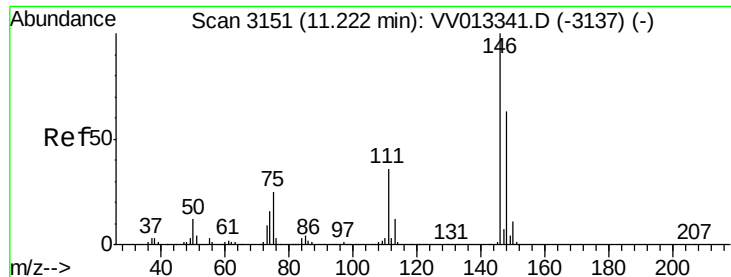


Abundance Ion 172.90 (172.60 to 173.60): VV013341.D (-2686) (-)

Ion 174.90 (174.60 to 175.60): VV013341.D (-2686) (-)

Ion 253.75 (253.45 to 254.45): VV013341.D (-2686) (-)





#62

1,3-Dichlorobenzene

Concen: 4.839 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

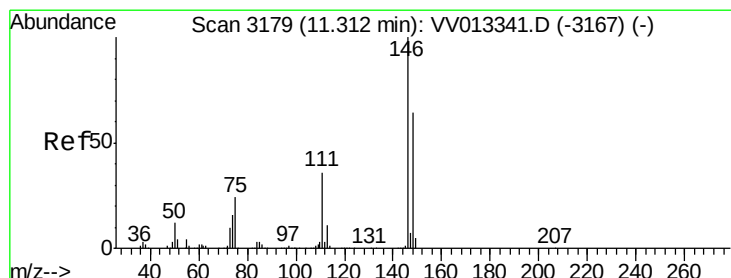
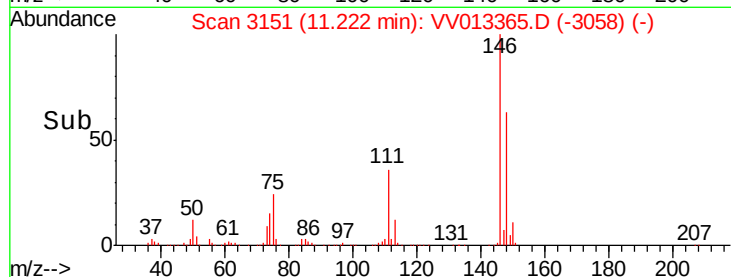
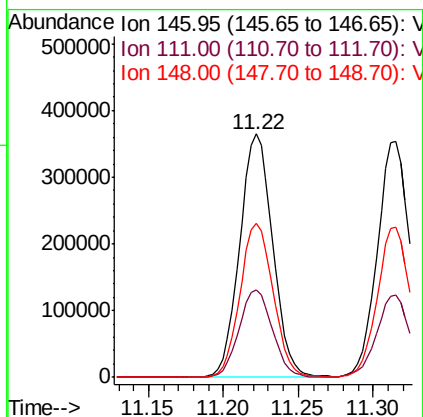
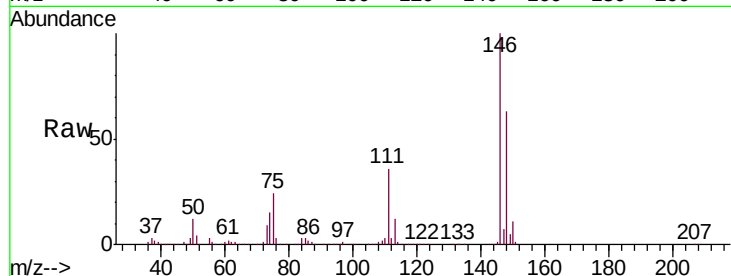
Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

Tgt Ion:	146	Resp:	560433
Ion	Ratio	Lower	Upper
146	100		
111	35.9	25.8	47.8
148	63.3	43.8	81.3



#63

1,4-Dichlorobenzene

Concen: 4.643 ug/L

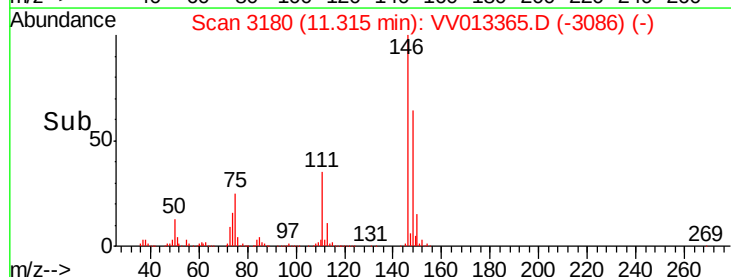
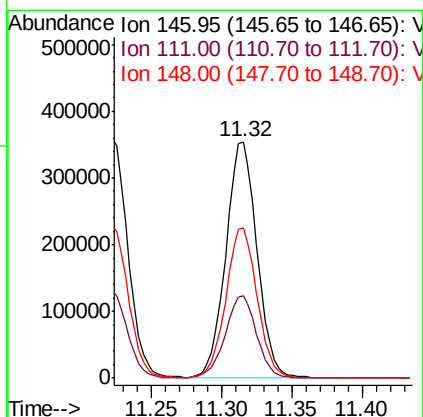
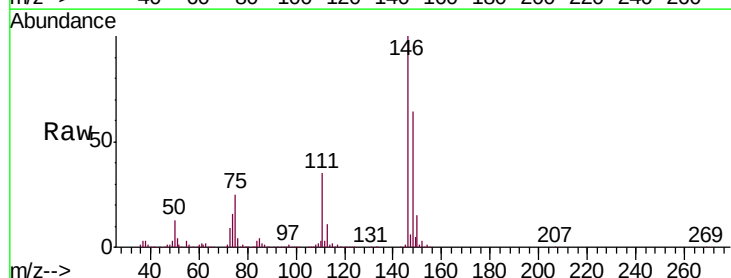
RT: 11.32 min Scan# 3180

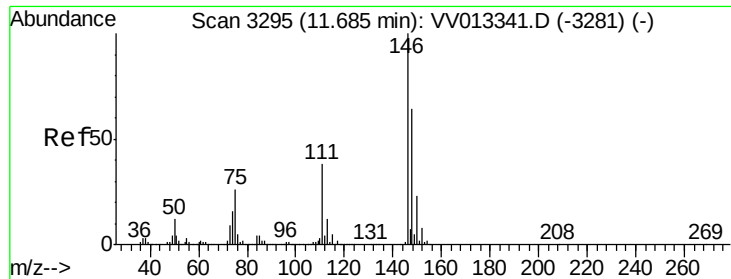
Delta R.T. 0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Tgt Ion:	146	Resp:	544464
Ion	Ratio	Lower	Upper
146	100		
111	34.8	24.6	45.6
148	63.6	43.3	80.5

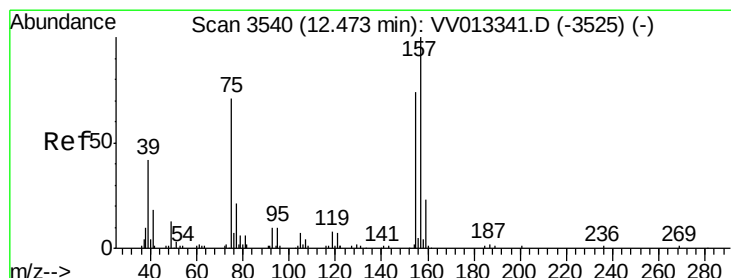
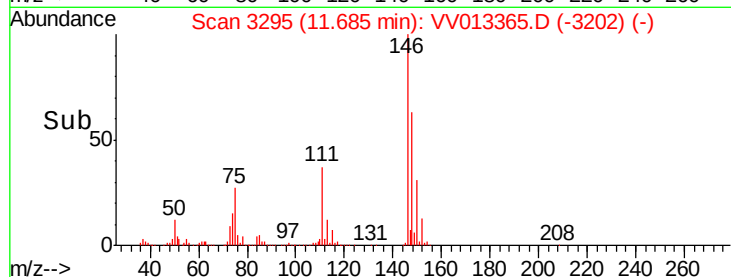
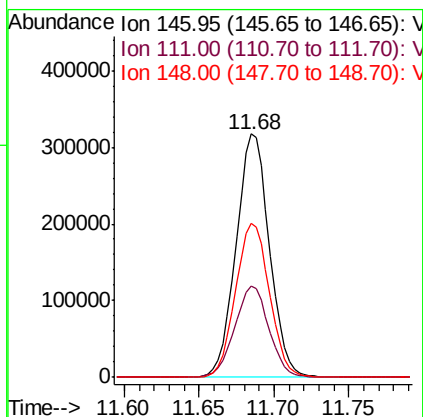
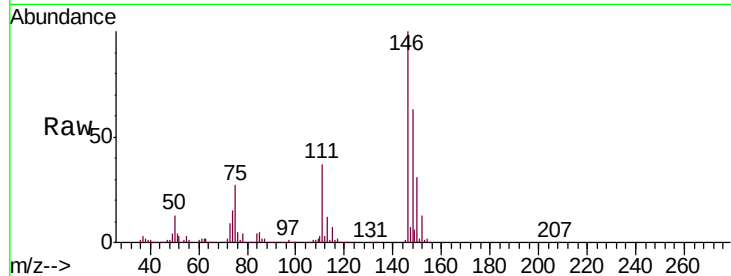




#65
 1,2-Dichlorobenzene
 Concen: 4.617 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. -0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

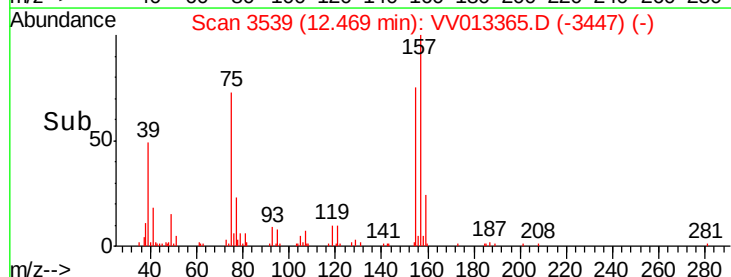
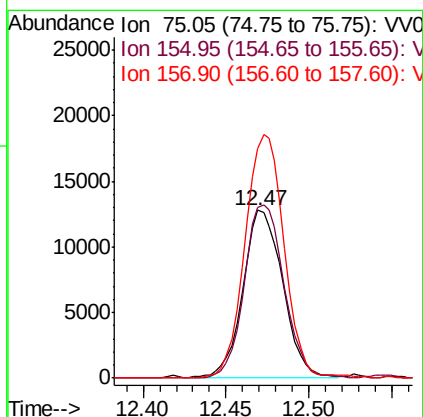
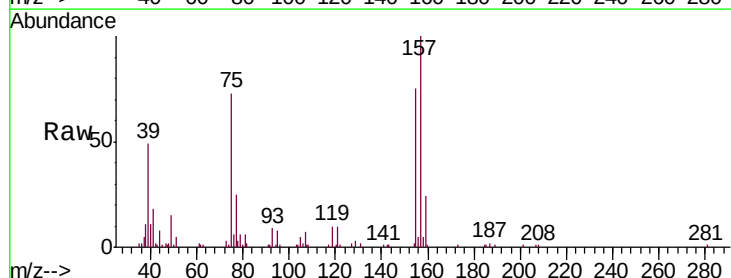
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

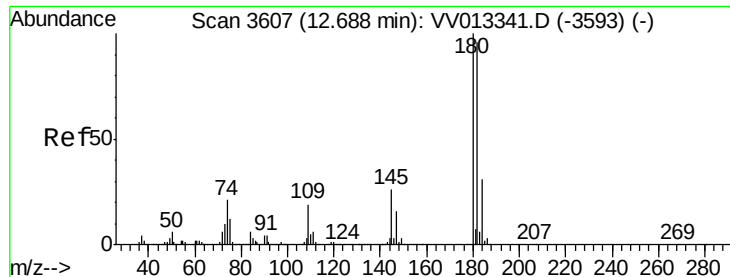
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	31.8	47.6
148	63.1	51.0	76.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.557 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. -0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.8	69.3	103.9
157	136.6	94.3	141.5

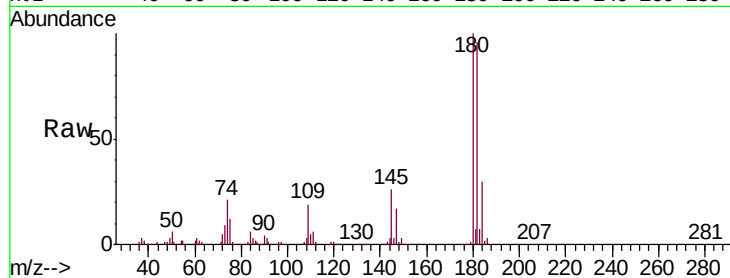




#67
 1,3,5-Trichlorobenzene
 Concen: 4.646 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00556

Tgt Ion:	180	Resp:	397886
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.2
184	30.0	24.0	36.0
145	26.3	21.8	32.8



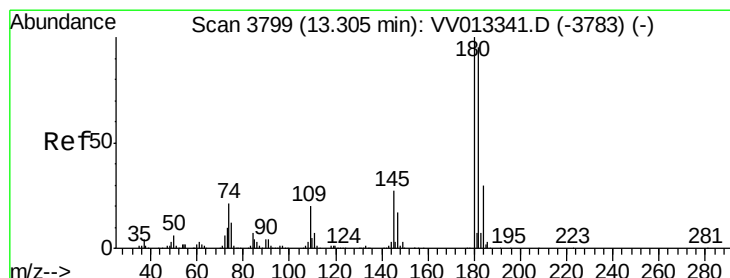
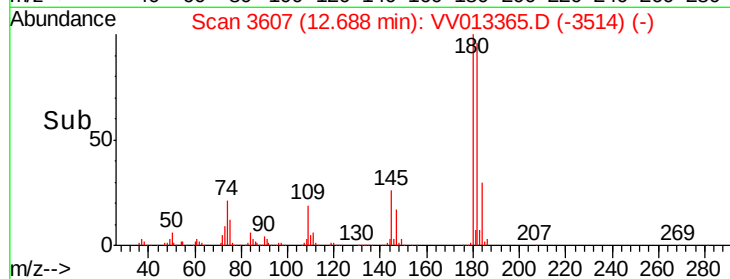
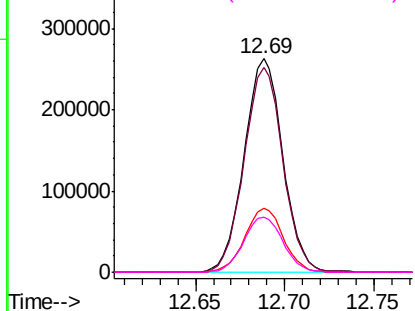
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

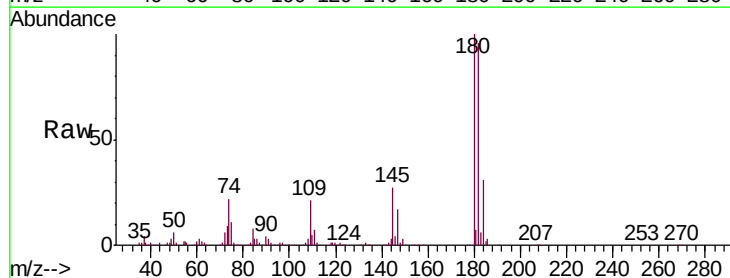
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.587 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013365.D
 Acq: 25 Oct 2019 23:18

Tgt Ion:	180	Resp:	343669
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.7	115.1
145	26.8	22.1	33.1

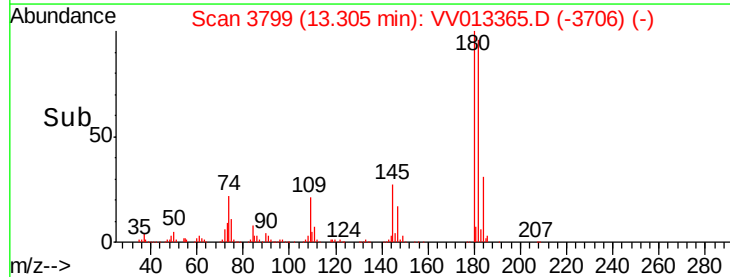
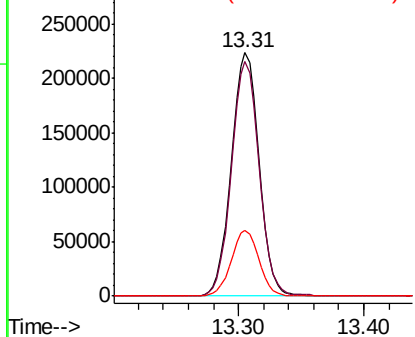


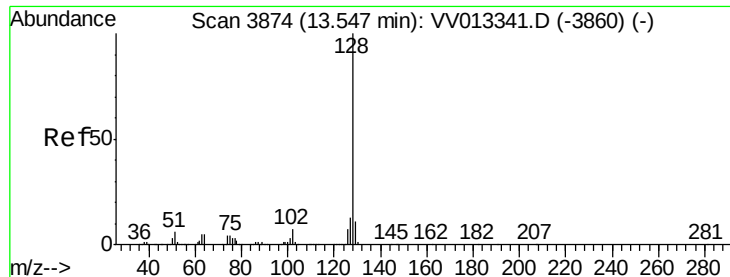
Abundance

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: 4.327 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00556

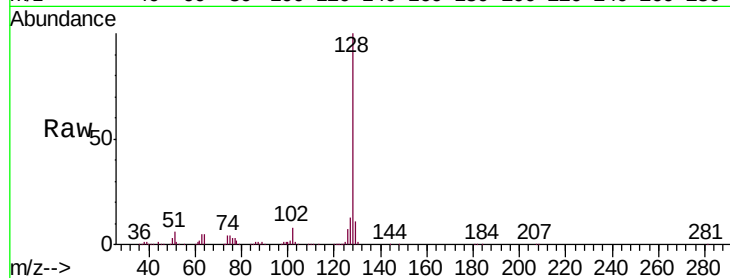
Tgt Ion:128 Resp: 447210

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

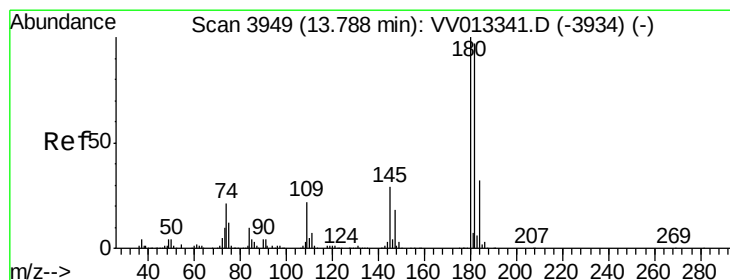
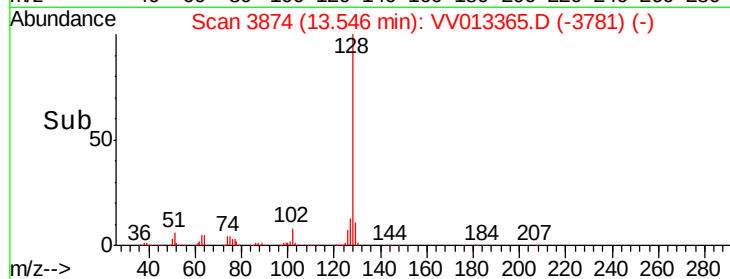
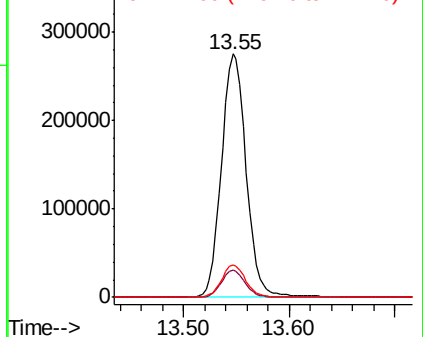
127 12.9 10.4 15.6



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: 4.637 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013365.D

Acq: 25 Oct 2019 23:18

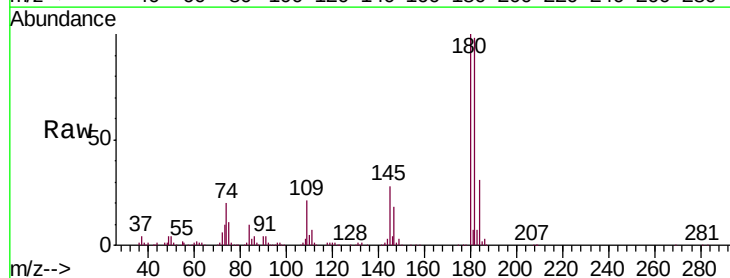
Tgt Ion:180 Resp: 322652

Ion Ratio Lower Upper

180 100

182 96.2 76.5 114.7

145 28.2 23.5 35.3



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

