

Data File : VV009343.D
Acq On : 22 Feb 2019 21:37
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

Quant Time: Feb 23 00:41:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022019S.M
Quant Title : VOC Analysis
QLast Update : Sat Feb 23 00:37:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	92992	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	89031	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	42980	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30261	24.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.84%
7) Chloroethane-d5	1.57	69	40752	27.84	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.36%
10) 1,1-Dichloroethene-d2	2.13	63	82664	27.18	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	108.72%
20) 2-Butanone-d5	3.94	46	23393	54.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.06%
24) Chloroform-d	4.40	84	54954	25.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.08	65	30280	25.86	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.44%
29) Benzene-d6	5.10	84	111896	25.06	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.24%
33) 1,2-Dichloropropane-d6	6.12	67	34609	26.34	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.36%
37) Toluene-d8	7.36	98	106189	24.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.96%
38) trans-1,3-Dichloropropene-	7.66	79	16027	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.00%
39) 2-Hexanone-d5	8.14	63	19862	54.34	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	39018	27.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	108.64%
61) 1,2-Dichlorobenzene-d4	11.67	152	40194	25.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	18087	16.664 ug/L	95
3) Chloromethane	1.25	50	37322	28.145 ug/L	100
5) Vinyl chloride	1.32	62	39477	26.252 ug/L	98
6) Bromomethane	1.53	94	42225	30.173 ug/L	98
8) Chloroethane	1.59	64	29747	23.436 ug/L	100
9) Trichlorofluoromethane	1.76	101	76260	26.937 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	44233	27.321 ug/L	97
12) 1,1-Dichloroethene	2.14	96	38412	28.154 ug/L	90
13) Acetone	2.20	43	19575	46.249 ug/L	96
14) Carbon disulfide	2.32	76	87041	23.841 ug/L	98
15) Methyl Acetate	2.46	43	17372	28.149 ug/L	100
16) Methylene chloride	2.53	84	31402	22.323 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	79265	26.228 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	29814	24.256 ug/L	99
19) 1,1-Dichloroethane	3.23	63	51785	25.365 ug/L	97
21) 2-Butanone	4.03	43	27278	56.257 ug/L	93
22) cis-1,2-Dichloroethene	3.96	96	34318	25.559 ug/L	97

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Quant Title : VOC Analysis
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	15397	25.057	ug/L	91
25) Chloroform	4.43	83	54548	25.109	ug/L	97
27) 1,2-Dichloroethane	5.18	62	37078	25.205	ug/L	100
30) Cyclohexane	4.73	56	48660	23.578	ug/L	97
31) 1,1,1-Trichloroethane	4.66	97	44479	22.122	ug/L	98
32) Carbon tetrachloride	4.87	117	37123	21.849	ug/L	97
34) Benzene	5.15	78	118030	24.246	ug/L	100
35) Trichloroethene	5.96	95	30738	22.701	ug/L	98
36) Methylcyclohexane	6.18	83	51366	21.688	ug/L	97
40) 1,2-Dichloropropane	6.22	63	30730	26.009	ug/L #	95
41) Bromodichloromethane	6.56	83	40303	23.951	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	50686	25.278	ug/L	96
43) 4-Methyl-2-pentanone	7.28	43	51407	51.830	ug/L	99
44) Toluene	7.43	91	130337	24.140	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	41930	23.880	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	26282	24.979	ug/L	95
47) Tetrachloroethene	8.02	164	24797	23.432	ug/L	97
49) 2-Hexanone	8.19	43	38290	50.198	ug/L	98
50) Dibromochloromethane	8.29	129	30967	24.410	ug/L	98
51) 1,2-Dibromoethane	8.40	107	26698	25.300	ug/L	95
52) Chlorobenzene	8.93	112	86104	24.492	ug/L	98
53) Ethylbenzene	9.06	91	145209	23.806	ug/L	100
54) m,p-Xylene	9.18	106	57803	24.287	ug/L	95
55) o-xylene	9.59	106	55576	24.878	ug/L	99
56) Styrene	9.60	104	94389	24.621	ug/L	96
57) Isopropylbenzene	9.98	105	143320	23.175	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	38062	25.635	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	27087	25.459	ug/L	99
62) Bromoform	9.77	173	18691	23.522	ug/L	98
63) 1,3-Dichlorobenzene	11.23	146	65463	23.710	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	66488	24.159	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	64014	24.727	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	6638	23.089	ug/L	91
67) 1,3,5-Trichlorobenzene	12.69	180	46372	23.211	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	38102	23.374	ug/L	96
69) Naphthalene	13.55	128	83759	23.973	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	36571	24.310	ug/L	98

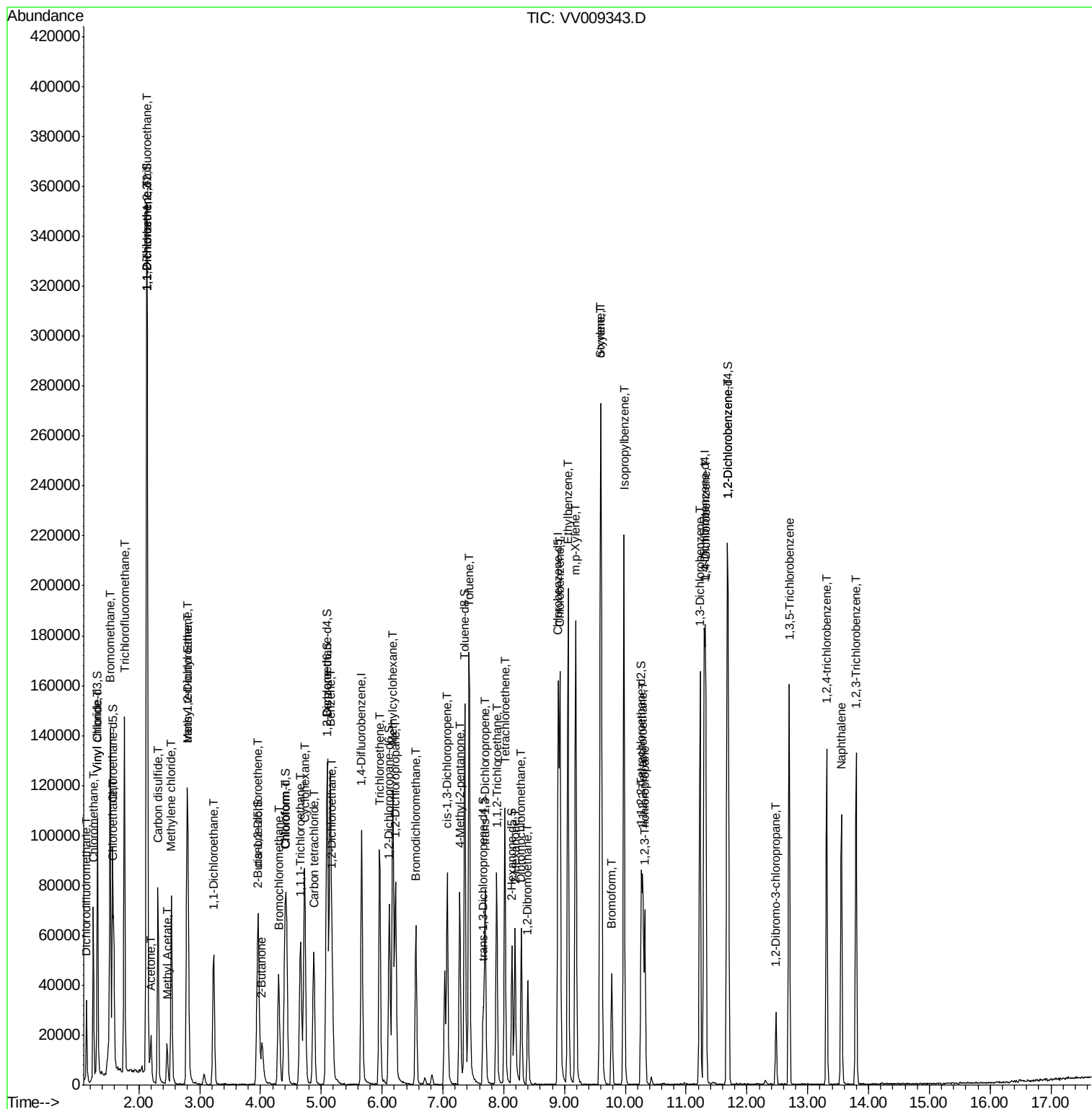
(#) = qualifier out of range (m) = manual integration (+) = signals summed

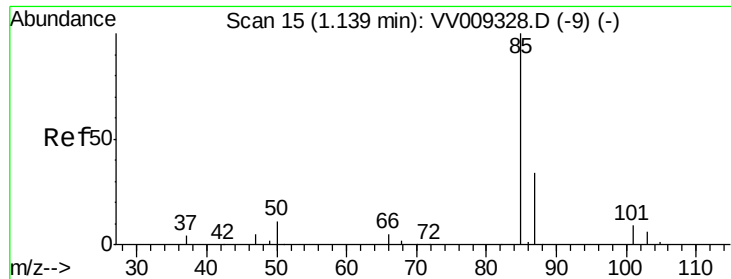
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#2

Dichlorodifluoromethane

Concen: 16.664 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

Instrument :

MSVOA_V

ClientSampleId :

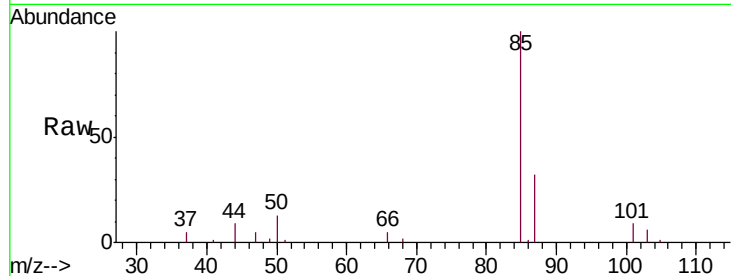
VSTD02578

Tgt Ion: 85 Resp: 18087

Ion Ratio Lower Upper

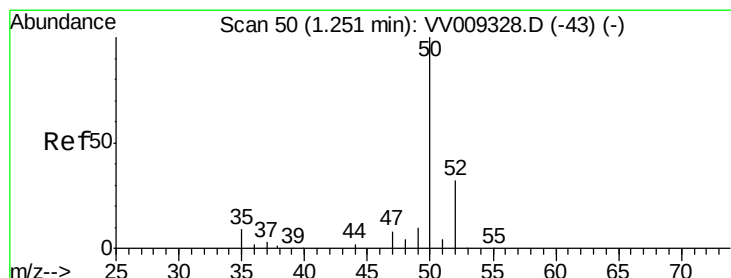
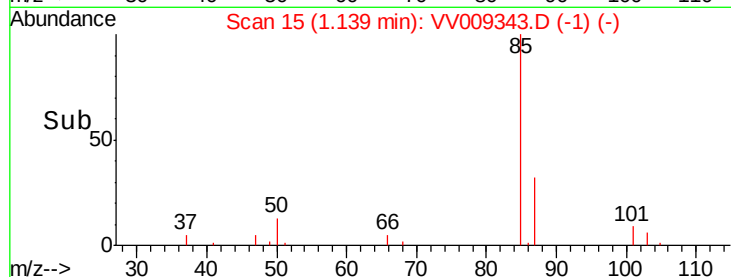
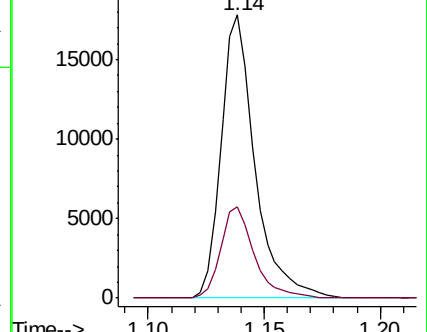
85 100

87 31.9 24.2 45.0



Abundance Ion 85.00 (84.70 to 85.70): VV009328.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009328.D (-9) (-)



#3

Chloromethane

Concen: 28.145 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009343.D

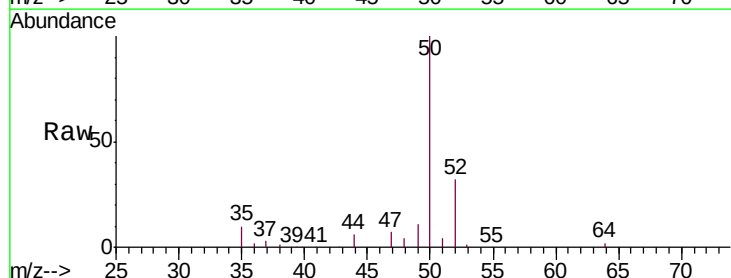
Acq: 22 Feb 2019 21:37

Tgt Ion: 50 Resp: 37322

Ion Ratio Lower Upper

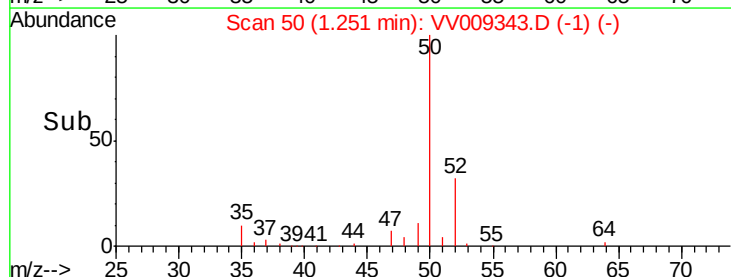
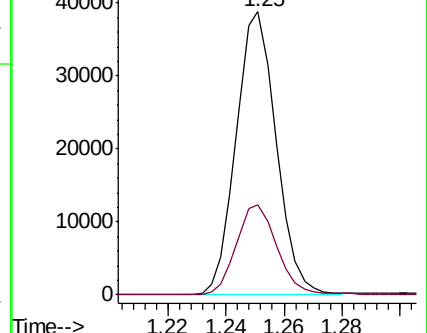
50 100

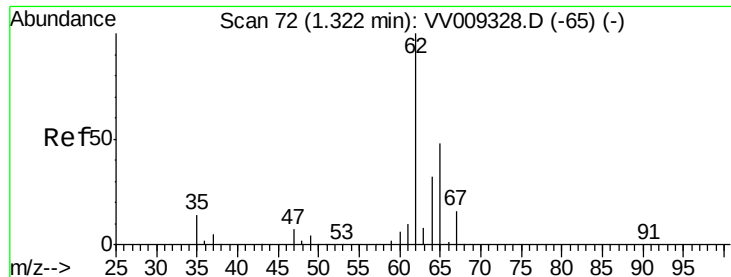
52 32.0 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV009328.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009328.D (-43) (-)





#5

Vinyl chloride

Concen: 26.252 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

Instrument :

MSVOA_V

ClientSampleId :

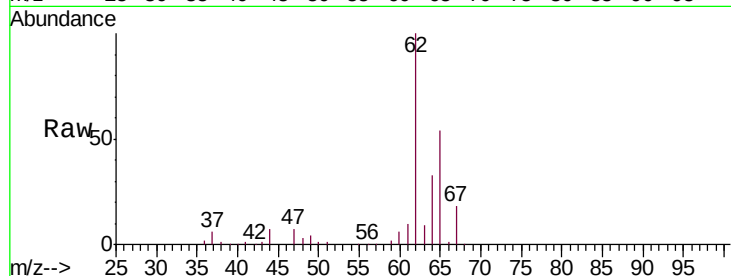
VSTD02578

Tgt Ion: 62 Resp: 39477

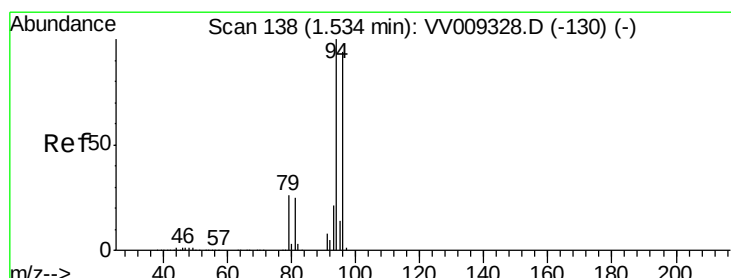
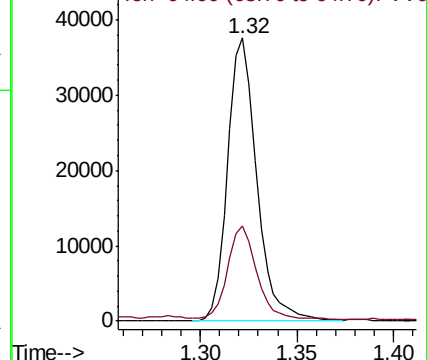
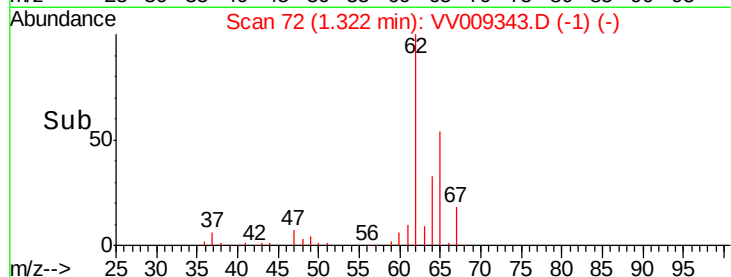
Ion Ratio Lower Upper

62 100

64 33.5 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV009343.D (-1) (-)



#6

Bromomethane

Concen: 30.173 ug/L

RT: 1.53 min Scan# 136

Delta R.T. -0.01 min

Lab File: VV009343.D

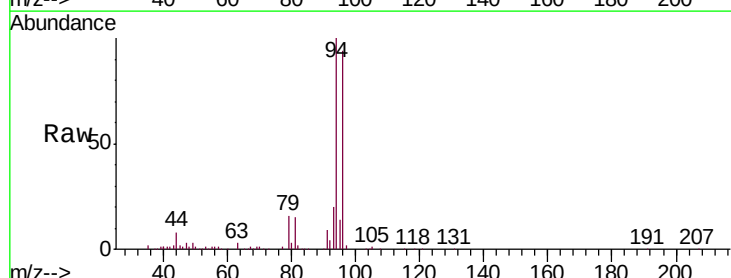
Acq: 22 Feb 2019 21:37

Tgt Ion: 94 Resp: 42225

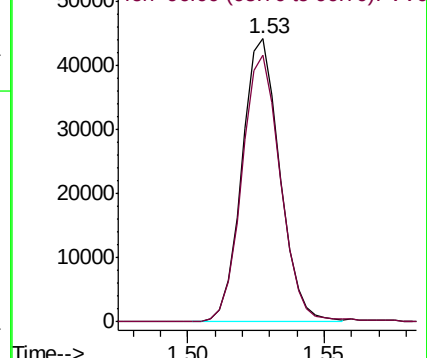
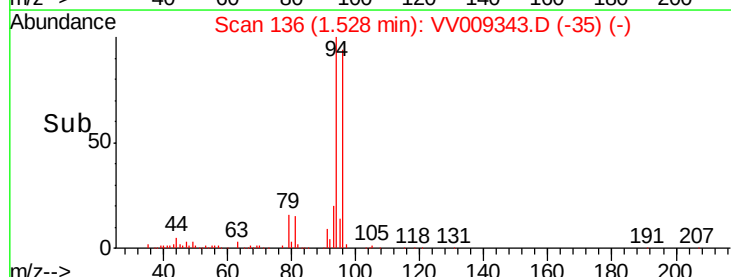
Ion Ratio Lower Upper

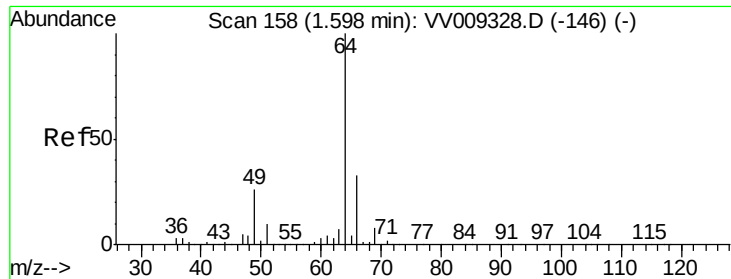
94 100

96 95.5 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VV009343.D (-35) (-)





#8

Chloroethane

Concen: 23.436 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.01 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

Instrument :

MSVOA_V

ClientSampleId :

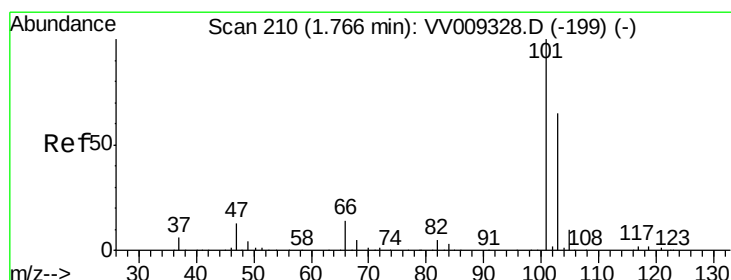
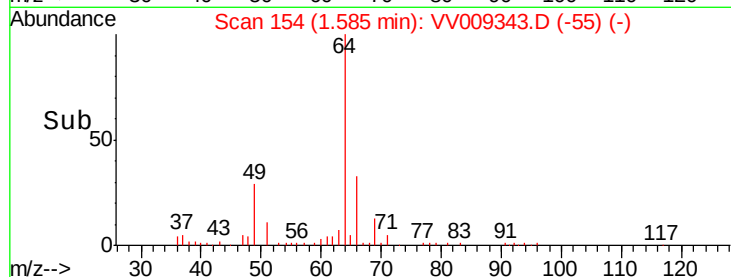
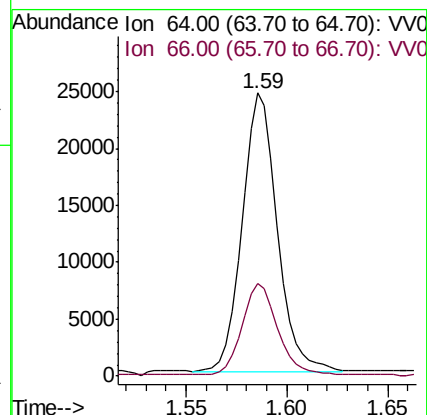
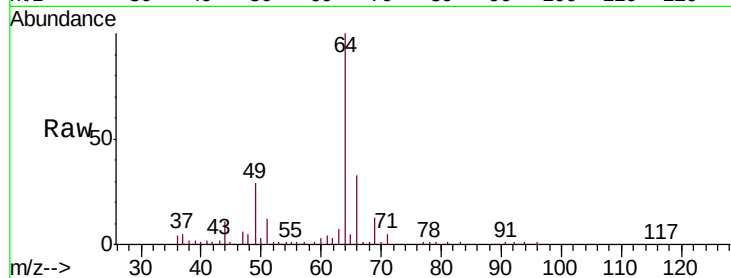
VSTD02578

Tgt Ion: 64 Resp: 29747

Ion Ratio Lower Upper

64 100

66 32.8 22.9 42.5



#9

Trichlorofluoromethane

Concen: 26.937 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009343.D

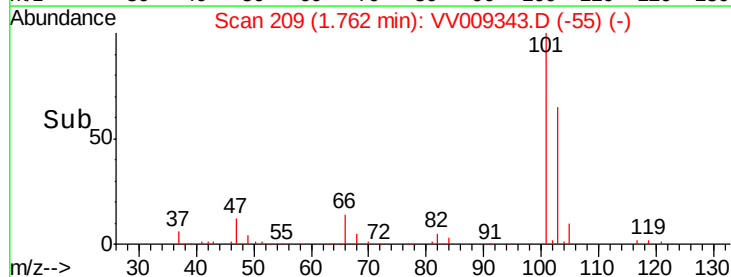
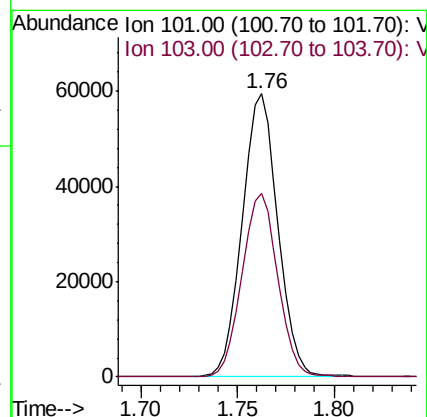
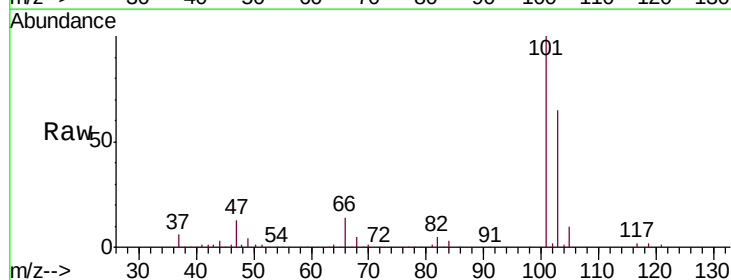
Acq: 22 Feb 2019 21:37

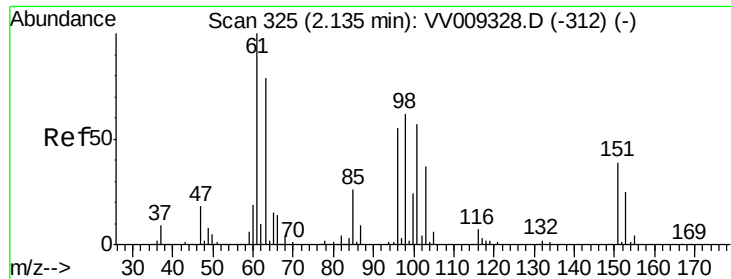
Tgt Ion: 101 Resp: 76260

Ion Ratio Lower Upper

101 100

103 65.1 45.4 84.4





#11

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

Concen: 27.321 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02578

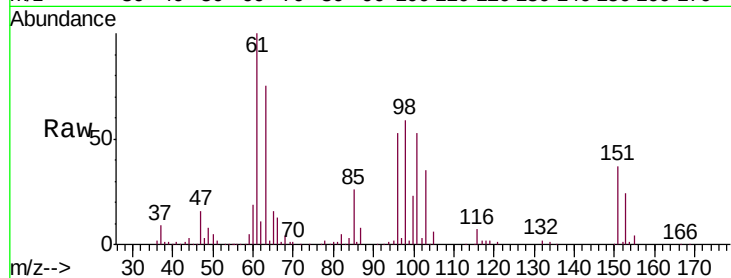
Tgt Ion: 101 Resp: 44233

Ion Ratio Lower Upper

101 100

85 48.6 39.1 58.7

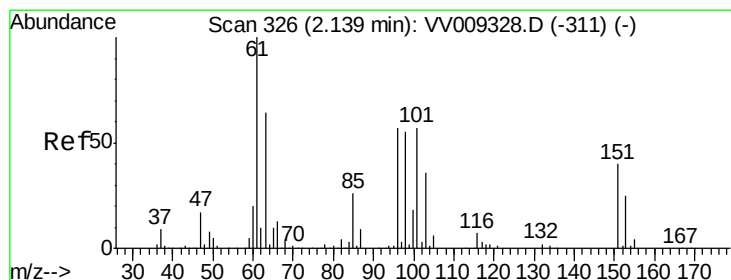
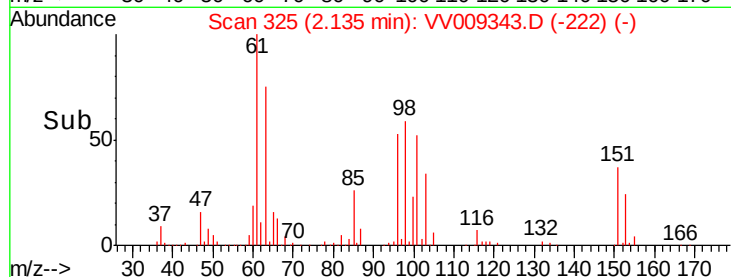
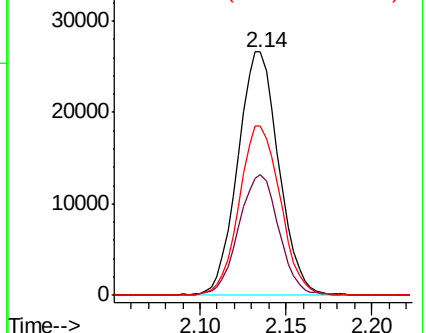
151 69.8 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): VV009328.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV009328.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV009328.D (-312) (-)



#12

1,1-Dichloroethene

Concen: 28.154 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

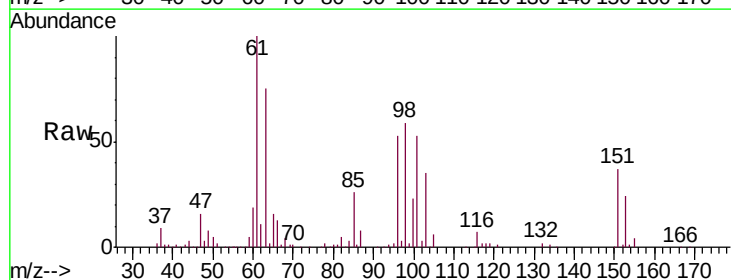
Tgt Ion: 96 Resp: 38412

Ion Ratio Lower Upper

96 100

61 187.2 123.3 228.9

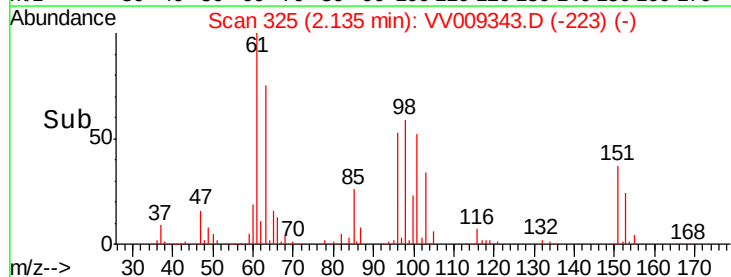
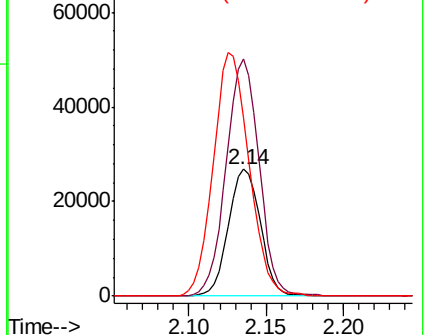
63 140.1 88.4 164.2

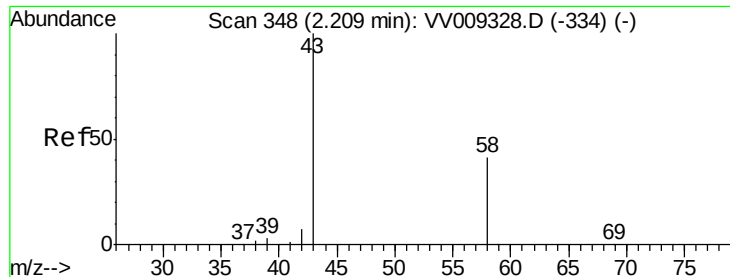


Abundance Ion 96.00 (95.70 to 96.70): VV009328.D (-311) (-)

Ion 61.00 (60.70 to 61.70): VV009328.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV009328.D (-311) (-)





#13

Acetone

Concen: 46.249 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

Instrument :

MSVOA_V

ClientSampleId :

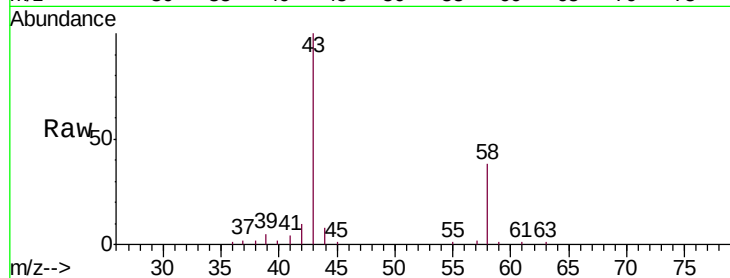
VSTD02578

Tgt Ion: 43 Resp: 19575

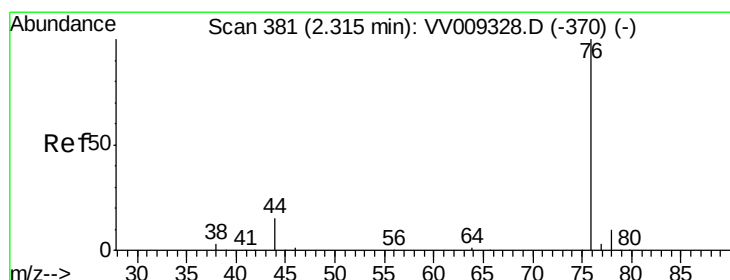
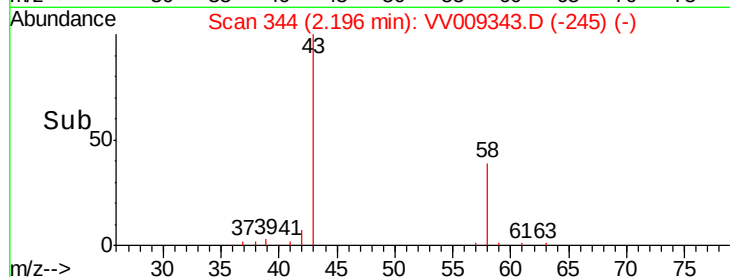
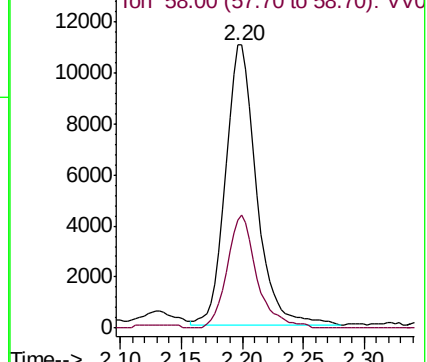
Ion Ratio Lower Upper

43 100

58 38.6 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV009328.D (-334) (-)



#14

Carbon disulfide

Concen: 23.841 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009343.D

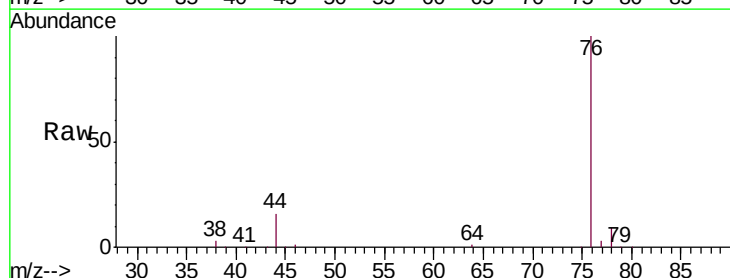
Acq: 22 Feb 2019 21:37

Tgt Ion: 76 Resp: 87041

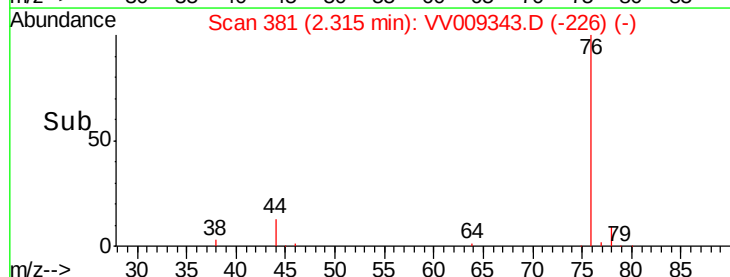
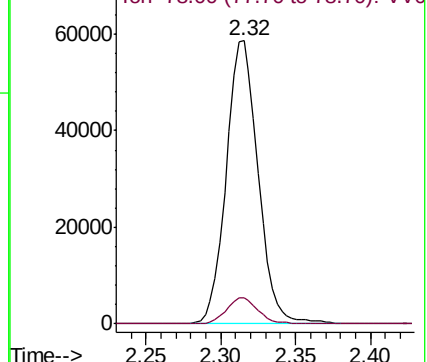
Ion Ratio Lower Upper

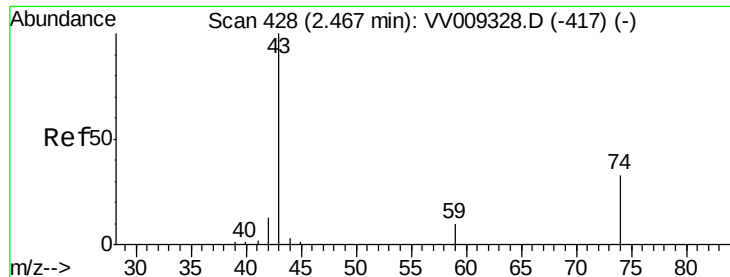
76 100

78 9.3 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VV009328.D (-370) (-)





#15

Methyl Acetate

Concen: 28.149 ug/L

RT: 2.46 min Scan# 427

Delta R.T. -0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

Instrument :

MSVOA_V

ClientSampleId :

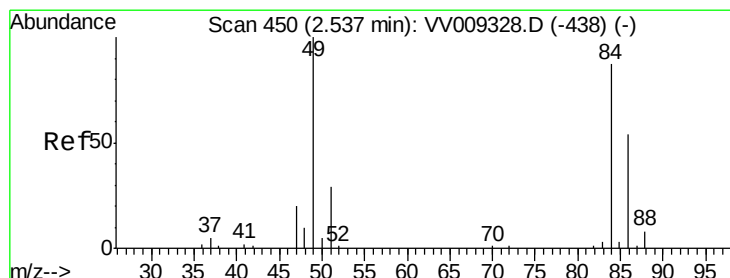
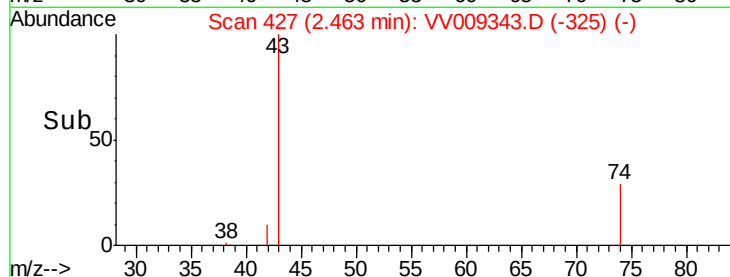
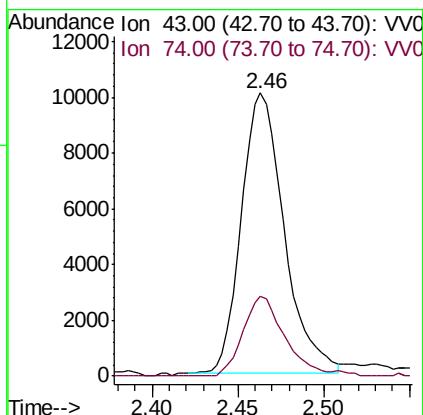
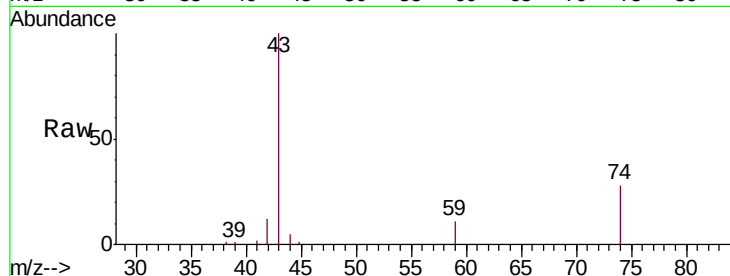
VSTD02578

Tgt Ion: 43 Resp: 17372

Ion Ratio Lower Upper

43 100

74 27.2 21.8 32.6



#16

Methylene chloride

Concen: 22.323 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

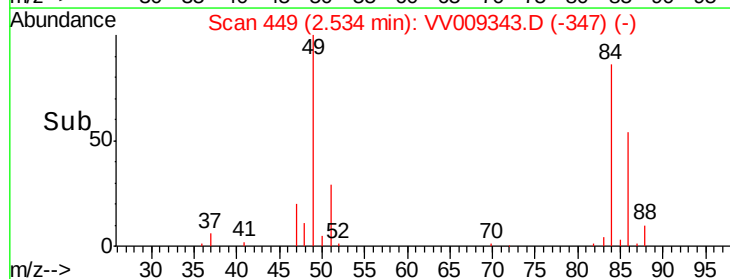
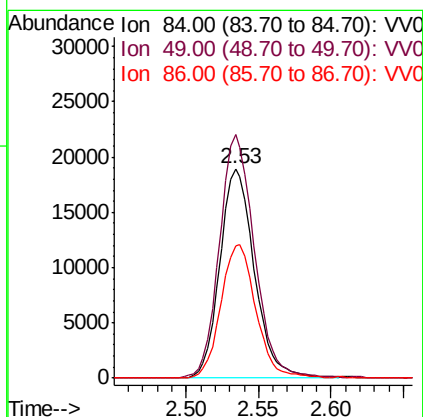
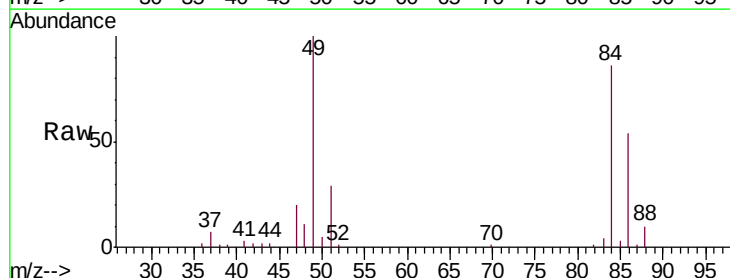
Tgt Ion: 84 Resp: 31402

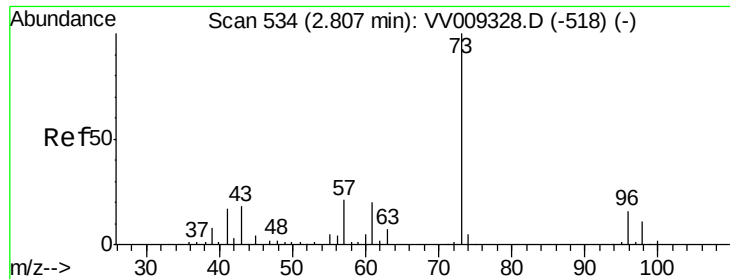
Ion Ratio Lower Upper

84 100

49 116.3 78.7 146.1

86 63.0 44.0 81.6

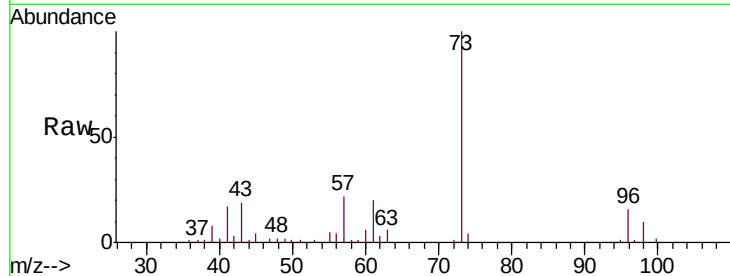




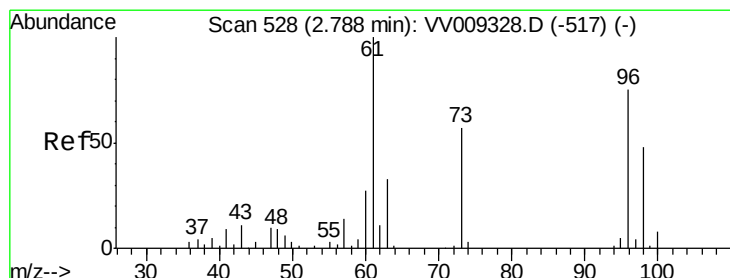
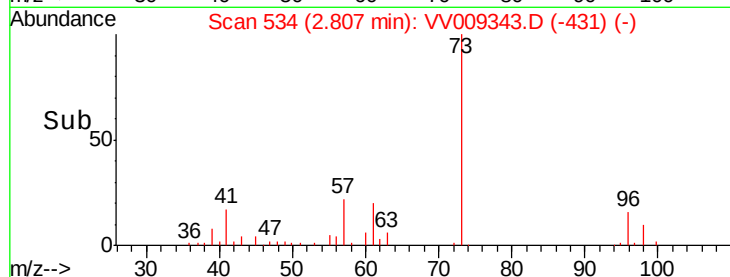
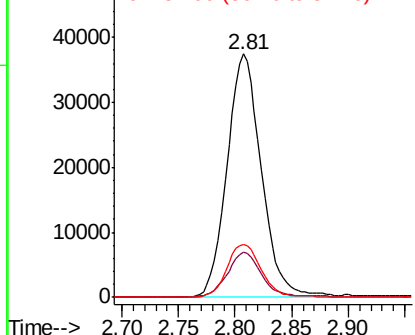
#17
Methyl tert-butyl Ether
Concen: 26.228 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

Tgt Ion: 73 Resp: 79265
Ion Ratio Lower Upper
73 100
43 18.5 14.0 21.0
57 21.5 17.0 25.4

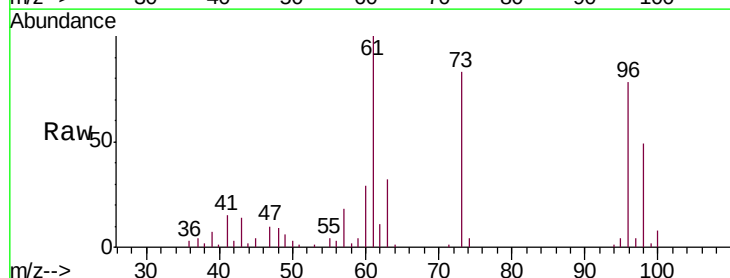


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

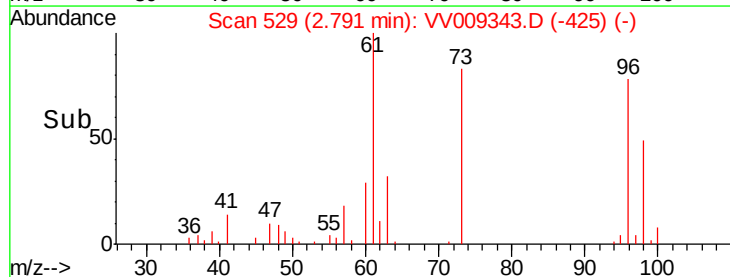
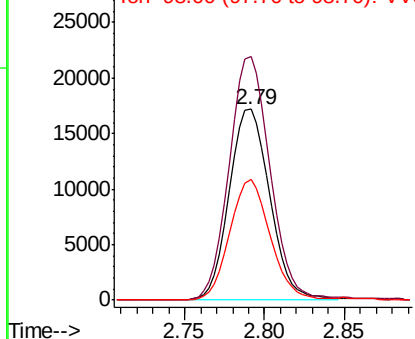


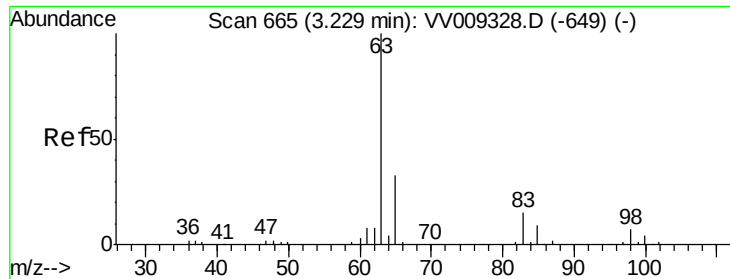
#18
trans-1,2-Dichloroethene
Concen: 24.256 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

Tgt Ion: 96 Resp: 29814
Ion Ratio Lower Upper
96 100
61 127.6 88.8 165.0
98 63.1 43.0 79.8



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

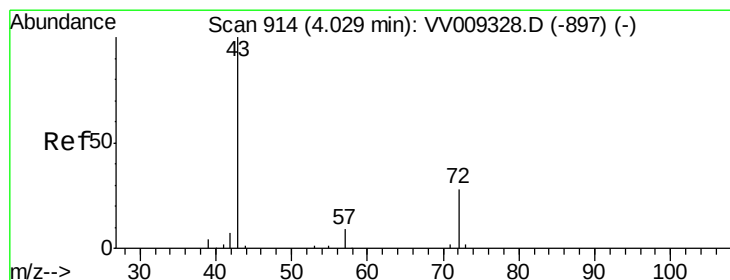
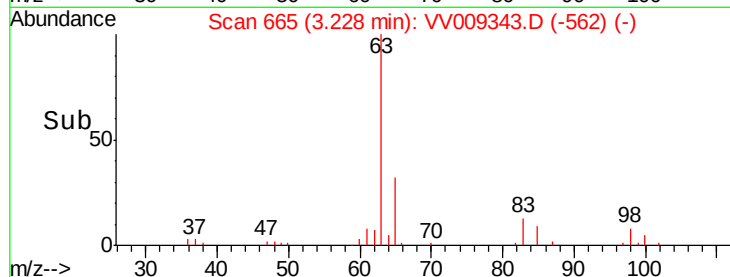
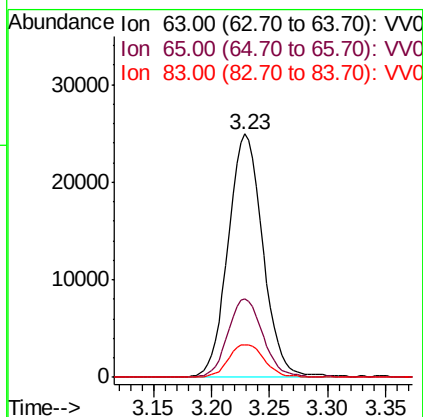
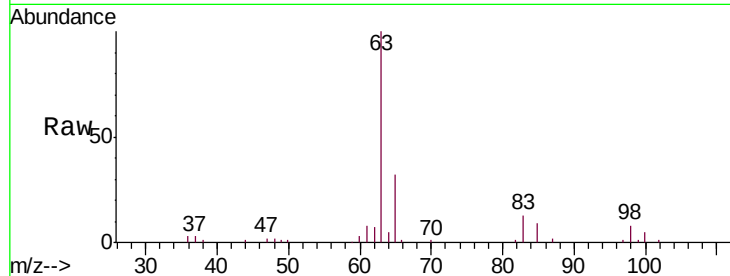




#19
 1,1-Dichloroethane
 Concen: 25.365 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

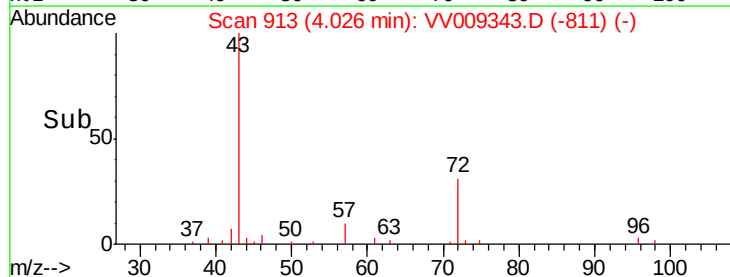
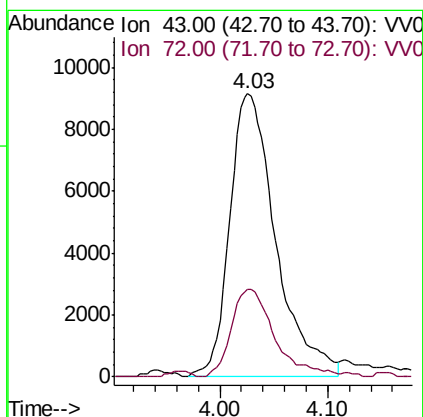
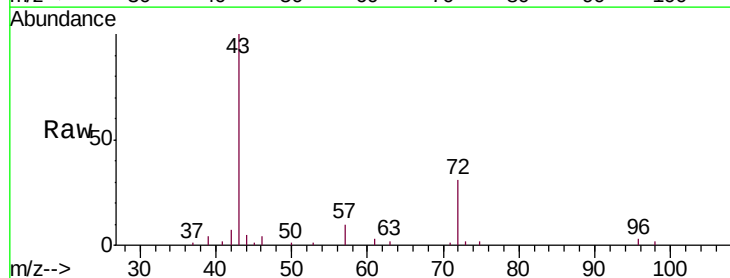
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

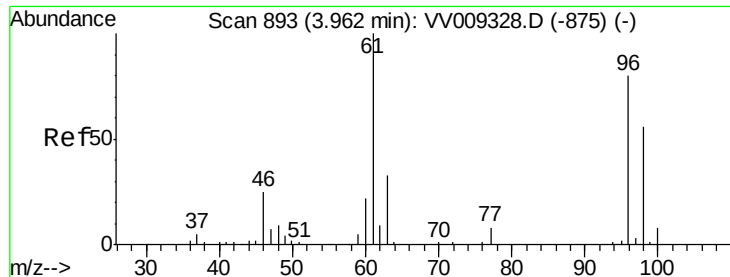
Tgt Ion: 63 Resp: 51785
 Ion Ratio Lower Upper
 63 100
 65 32.3 21.6 40.2
 83 13.4 10.1 18.9



#21
 2-Butanone
 Concen: 56.257 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Tgt Ion: 43 Resp: 27278
 Ion Ratio Lower Upper
 43 100
 72 27.2 15.4 46.2



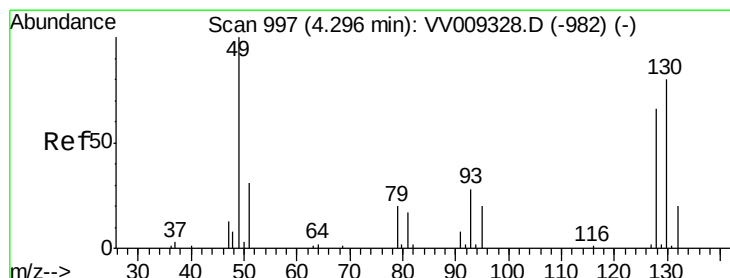
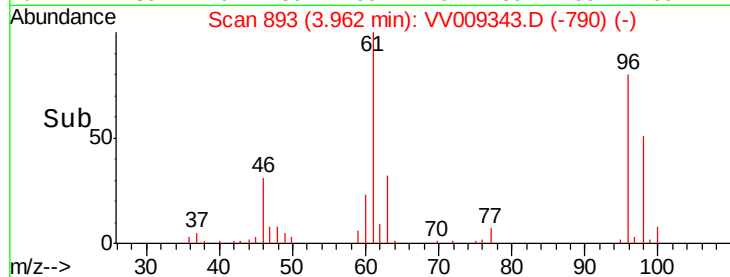
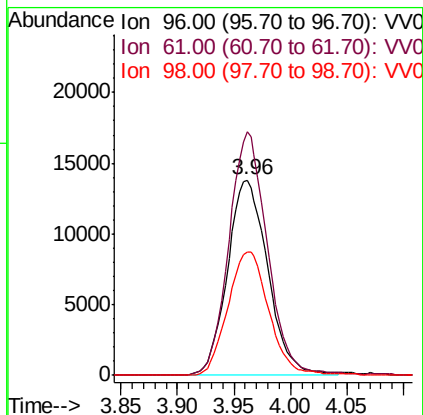
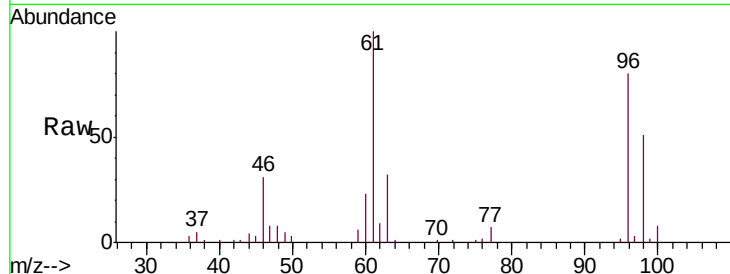


#22

cis-1,2-Dichloroethene
Concen: 25.559 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

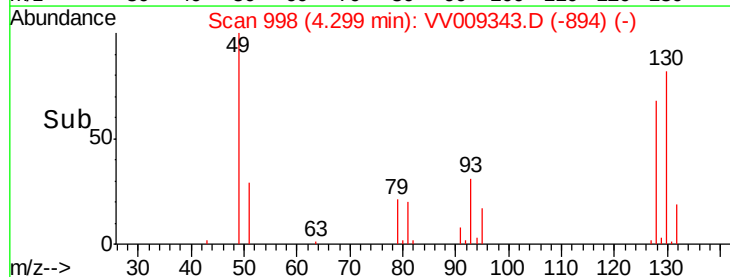
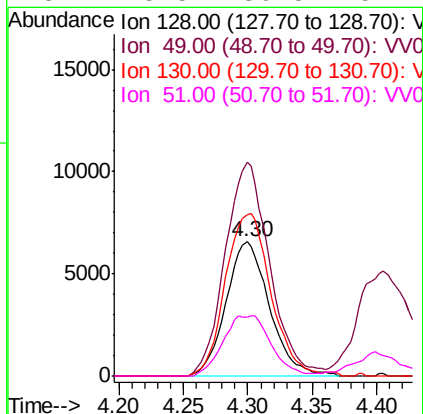
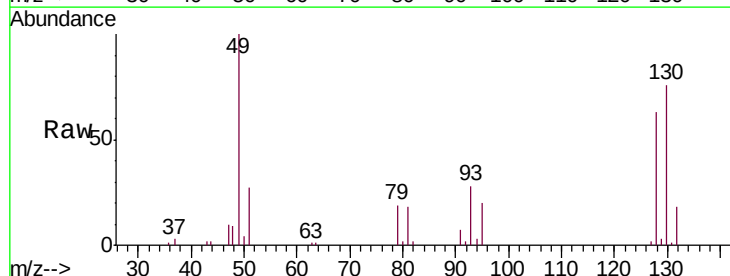
Tgt Ion: 96 Resp: 34318
Ion Ratio Lower Upper
96 100
61 124.8 86.2 160.0
98 63.2 46.8 87.0

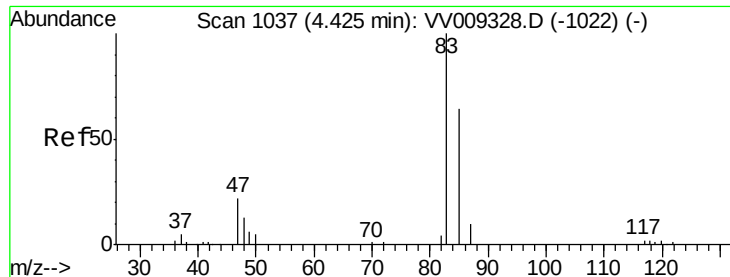


#23

Bromochloromethane
Concen: 25.057 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

Tgt Ion: 128 Resp: 15397
Ion Ratio Lower Upper
128 100
49 159.3 103.0 191.4
130 122.3 93.3 173.3
51 43.5 36.5 54.7

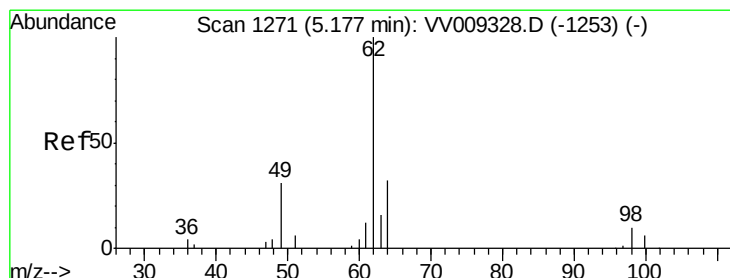
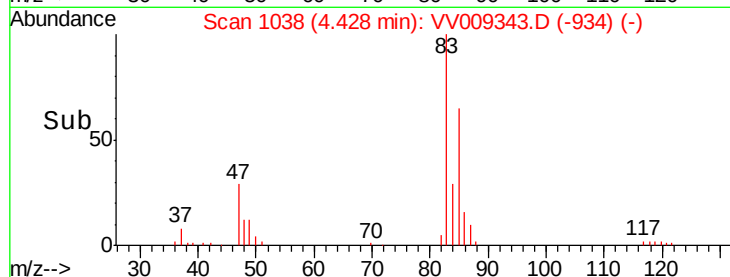
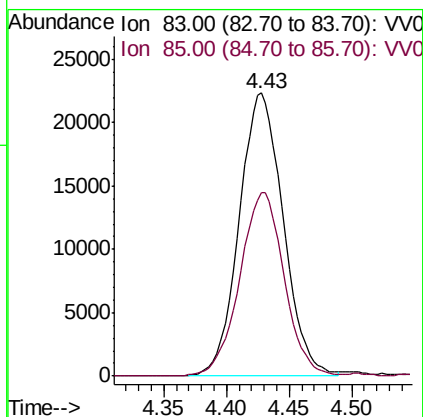
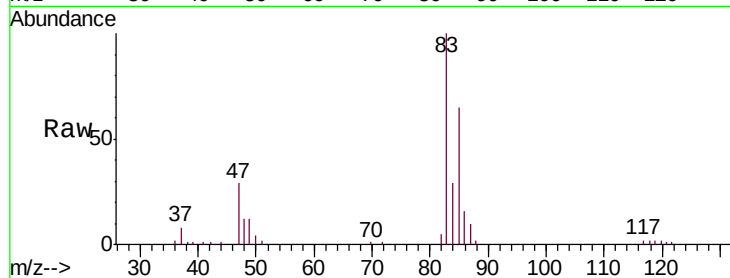




#25
Chloroform
Concen: 25.109 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

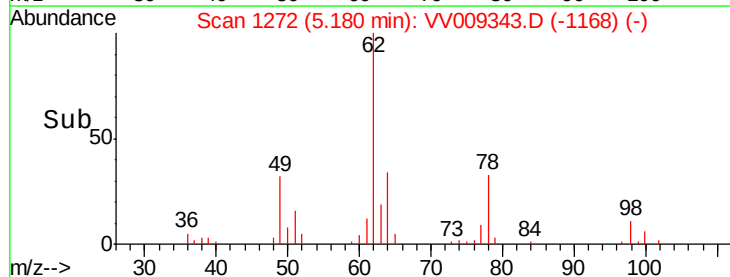
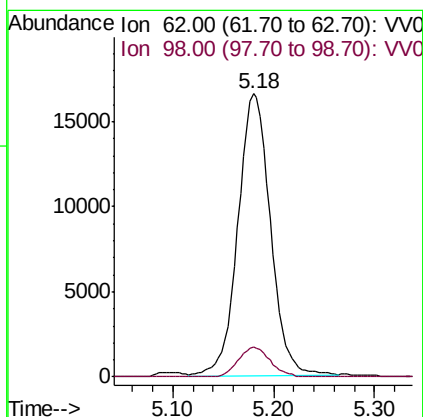
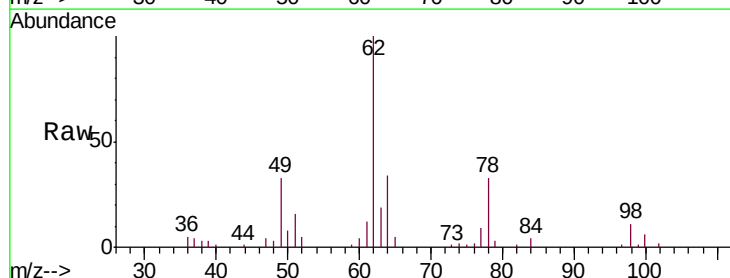
Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

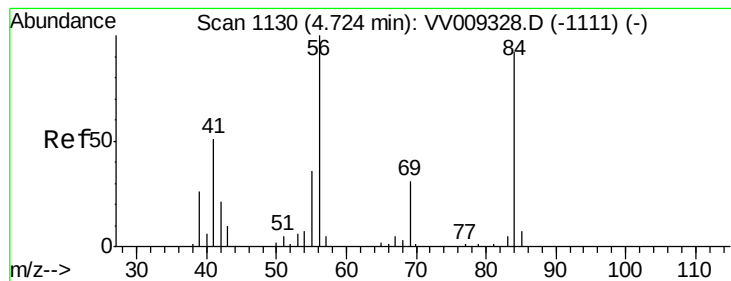
Tgt Ion: 83 Resp: 54548
Ion Ratio Lower Upper
83 100
85 65.5 47.5 88.3



#27
1,2-Dichloroethane
Concen: 25.205 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

Tgt Ion: 62 Resp: 37078
Ion Ratio Lower Upper
62 100
98 10.7 8.5 12.7





#30

Cyclohexane

Concen: 23.578 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02578

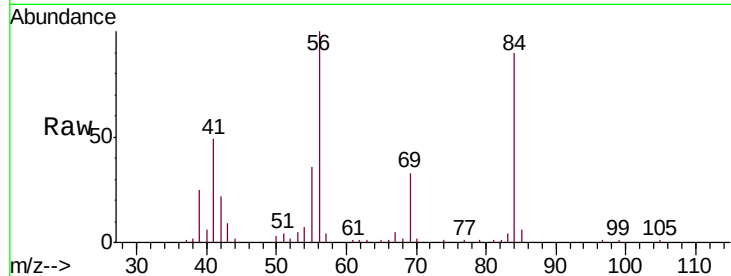
Tgt Ion: 56 Resp: 48660

Ion Ratio Lower Upper

56 100

69 31.0 25.7 38.5

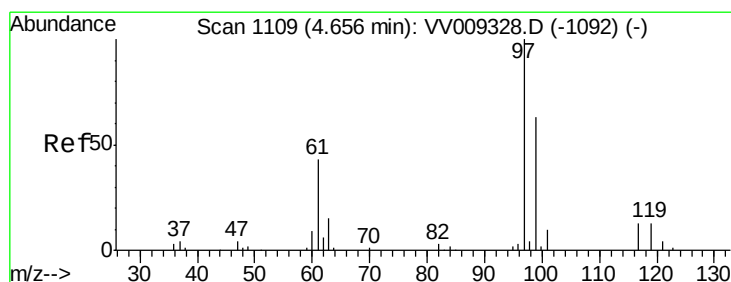
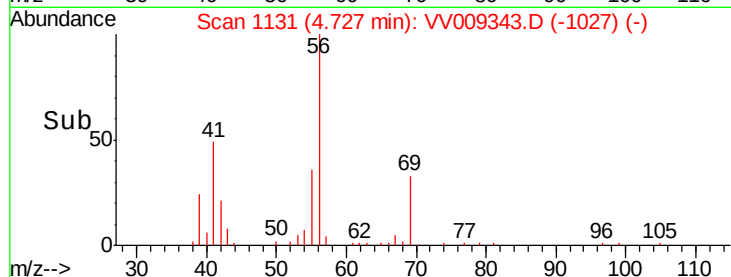
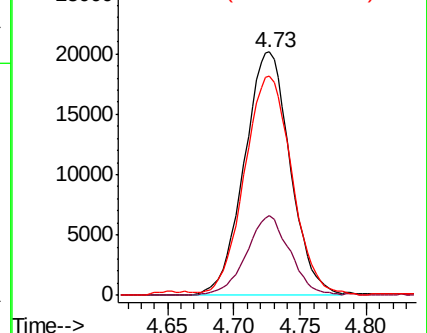
84 93.4 77.2 115.8



Abundance Ion 56.00 (55.70 to 56.70): VV009328.D (-1111) (-)

Ion 69.00 (68.70 to 69.70): VV009328.D (-1111) (-)

Ion 84.00 (83.70 to 84.70): VV009328.D (-1111) (-)



#31

1,1,1-Trichloroethane

Concen: 22.122 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

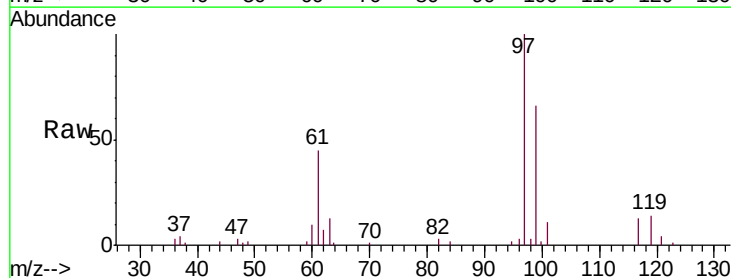
Tgt Ion: 97 Resp: 44479

Ion Ratio Lower Upper

97 100

99 65.4 51.7 77.5

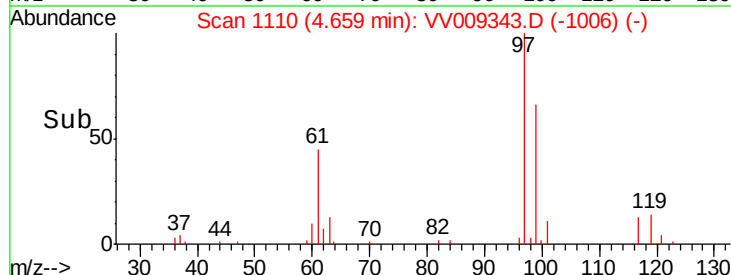
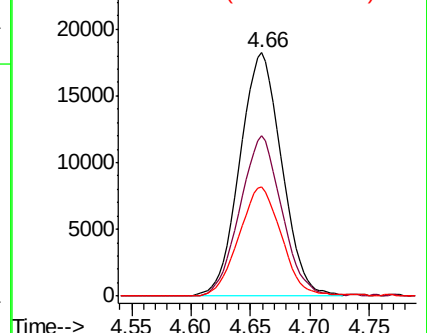
61 45.4 34.0 51.0

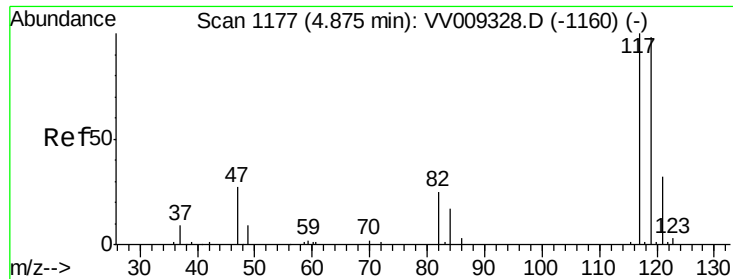


Abundance Ion 97.00 (96.70 to 97.70): VV009328.D (-1092) (-)

Ion 99.00 (98.70 to 99.70): VV009328.D (-1092) (-)

Ion 61.00 (60.70 to 61.70): VV009328.D (-1092) (-)





#32

Carbon tetrachloride

Concen: 21.849 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

Instrument :

MSVOA_V

ClientSampleId :

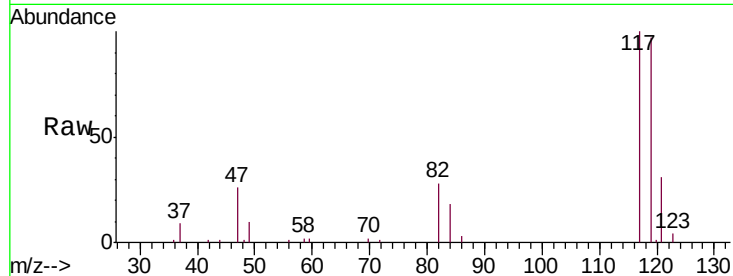
VSTD02578

Tgt Ion:117 Resp: 37123

Ion Ratio Lower Upper

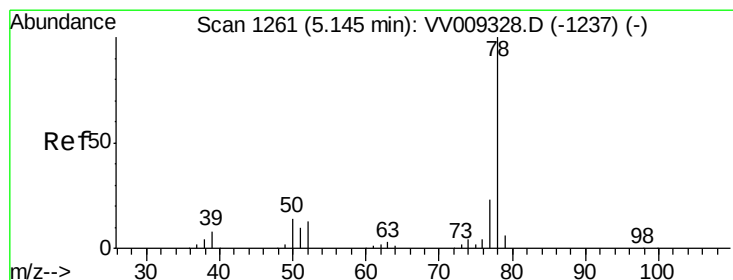
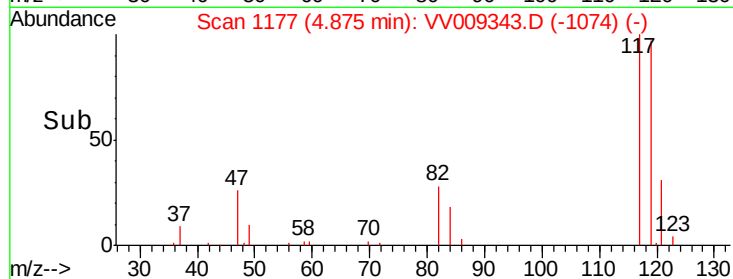
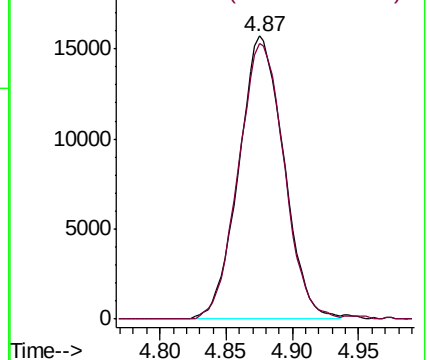
117 100

119 98.8 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.246 ug/L

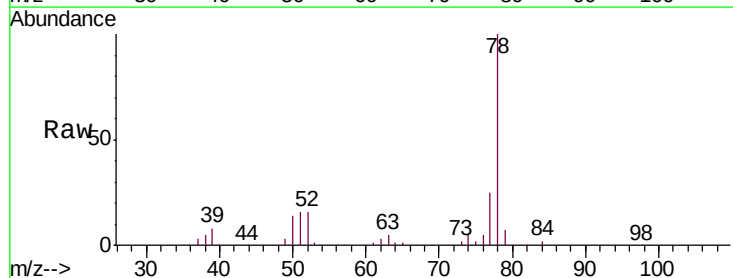
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

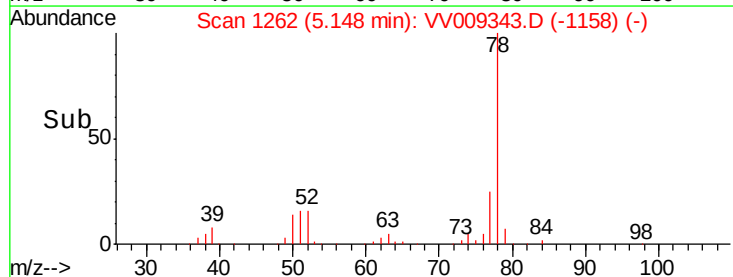
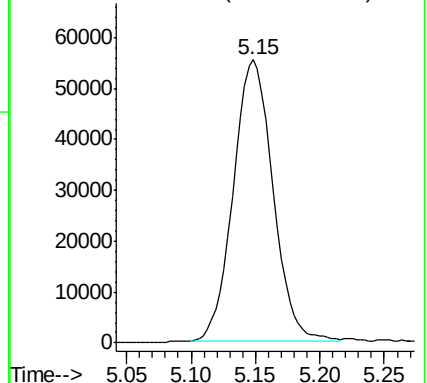
Lab File: VV009343.D

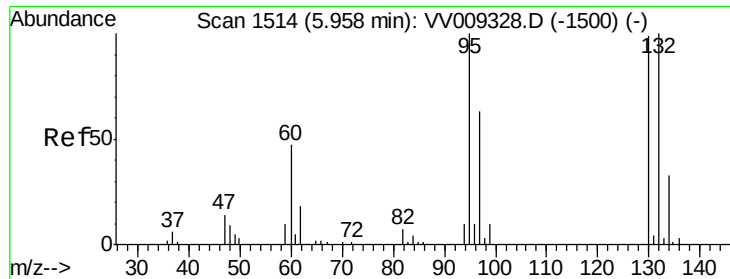
Acq: 22 Feb 2019 21:37

Tgt Ion: 78 Resp: 118030



Abundance Ion 78.00 (77.70 to 78.70): VV0

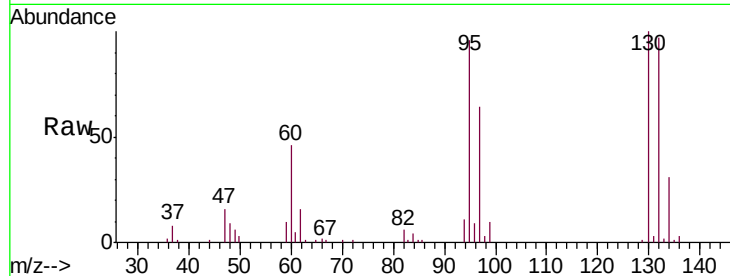




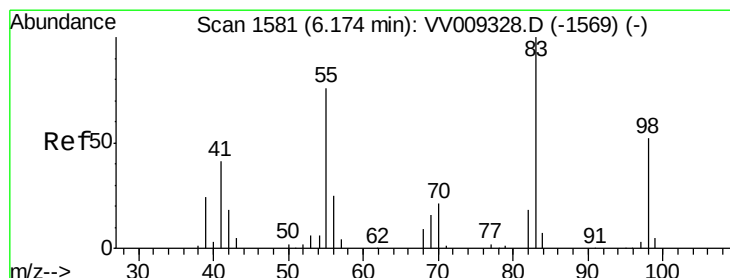
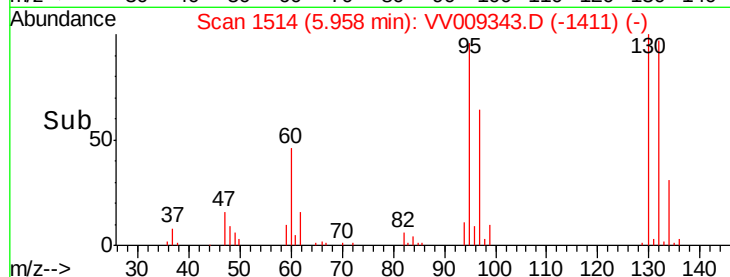
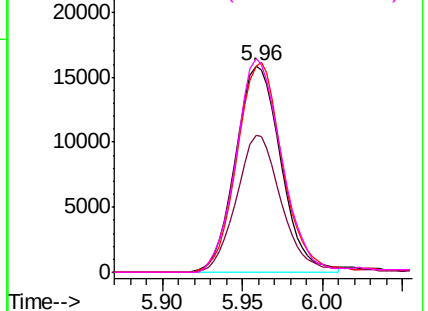
#35
 Trichloroethene
 Concen: 22.701 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

Tgt Ion: 95 Resp: 30738
 Ion Ratio Lower Upper
 95 100
 97 66.0 45.0 83.6
 132 101.1 68.7 127.5
 130 103.5 72.2 134.0

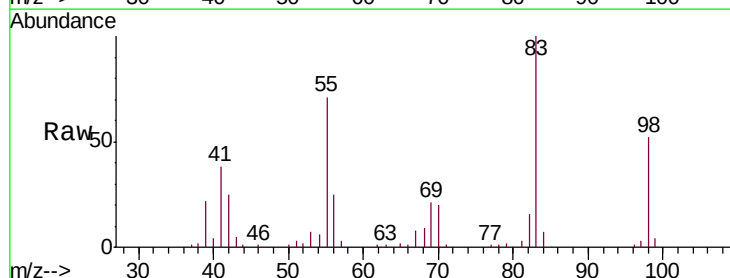


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

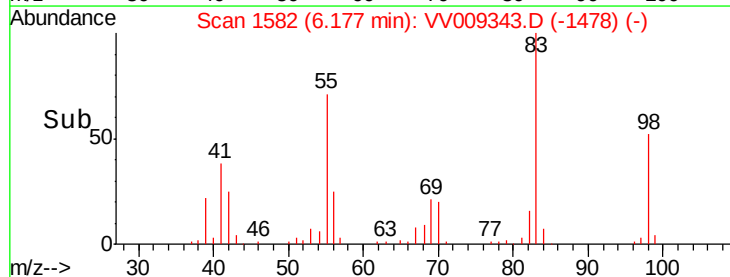
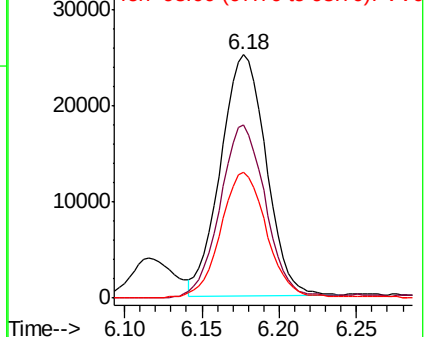


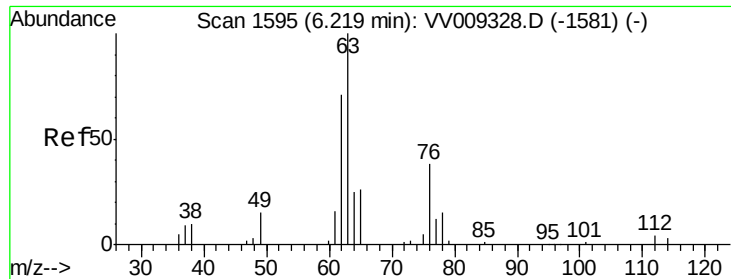
#36
 Methylcyclohexane
 Concen: 21.688 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Tgt Ion: 83 Resp: 51366
 Ion Ratio Lower Upper
 83 100
 55 71.8 55.8 83.6
 98 52.6 40.3 60.5



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

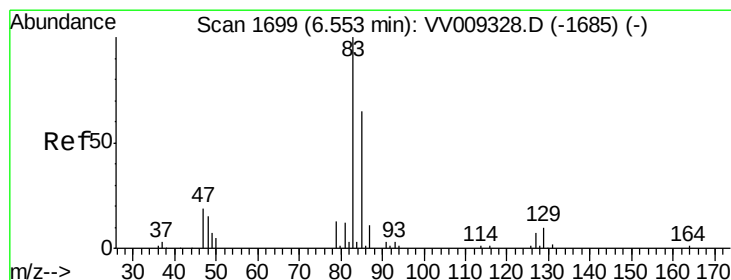
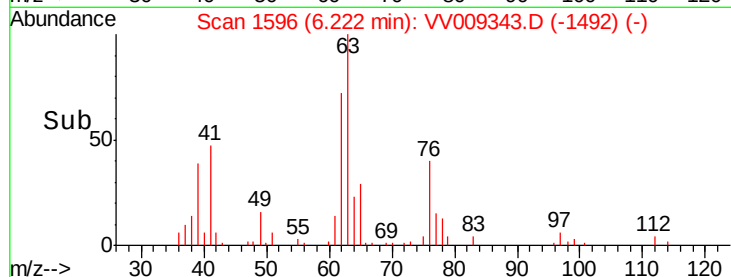
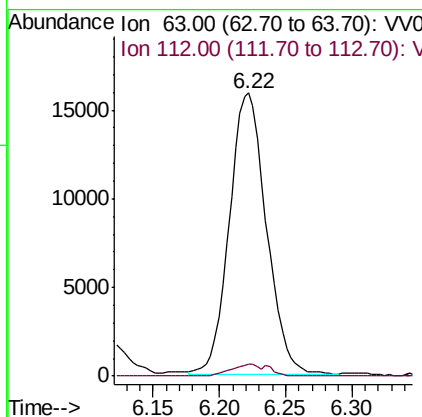
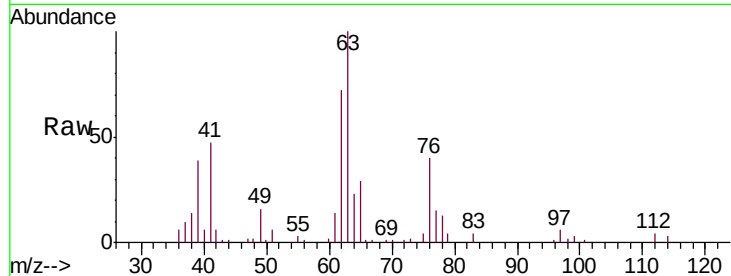




#40
 1,2-Dichloropropane
 Concen: 26.009 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

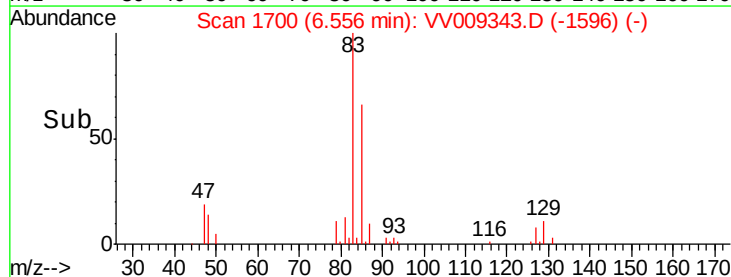
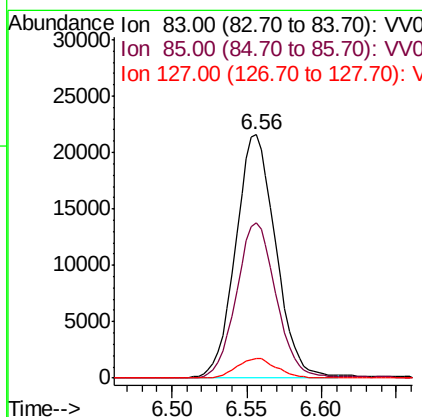
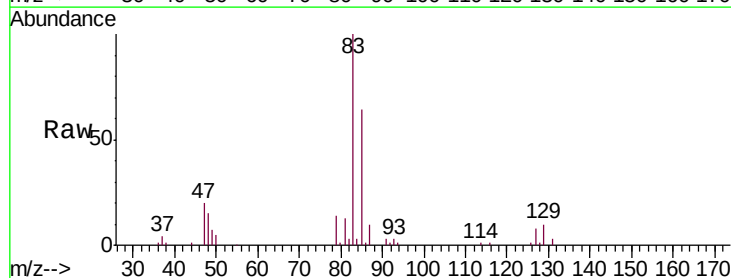
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

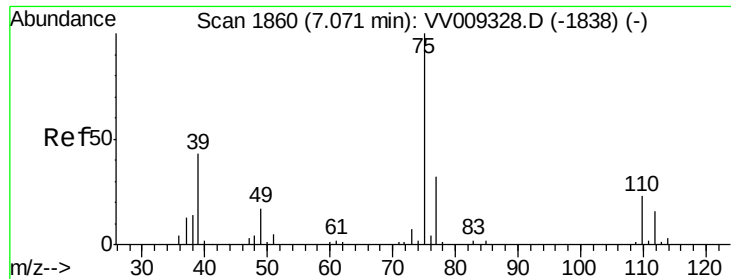
Tgt Ion: 63 Resp: 30730
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.8 5.8#



#41
 Bromodichloromethane
 Concen: 23.951 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Tgt Ion: 83 Resp: 40303
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.9 83.5
 127 8.1 6.3 9.5



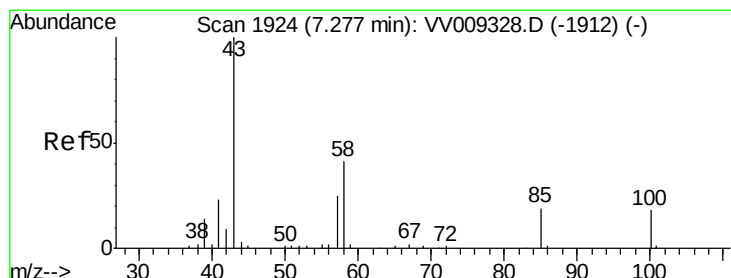
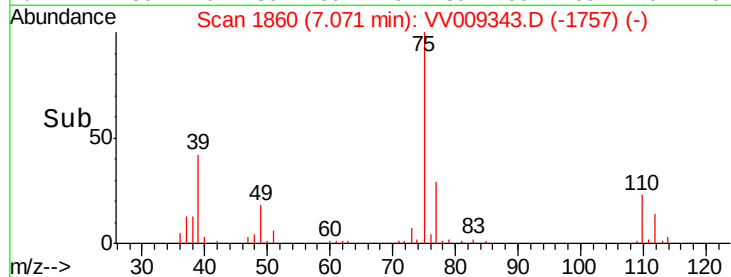
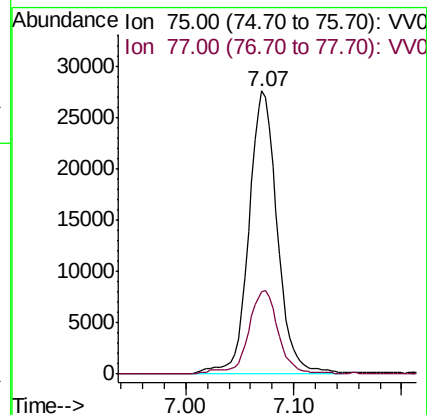
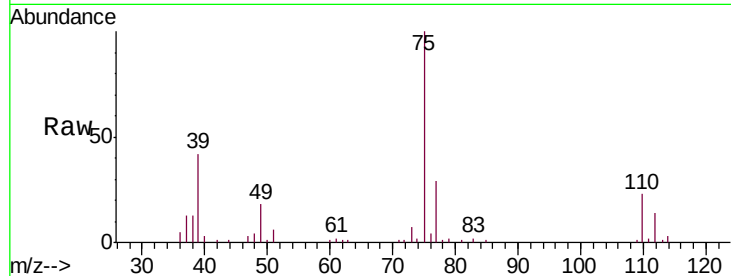


#42

cis-1,3-Dichloropropene
 Concen: 25.278 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

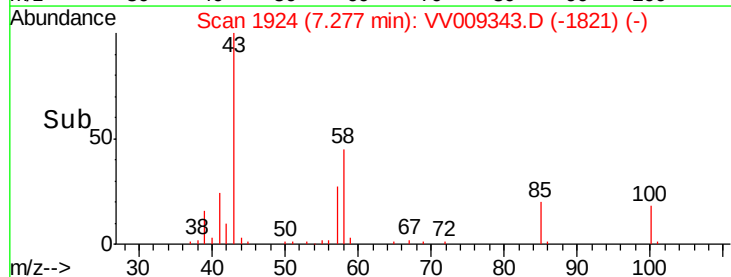
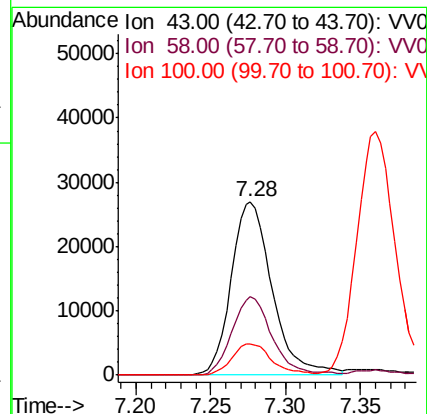
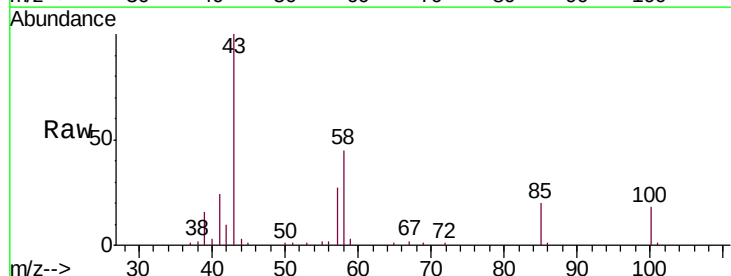
Tgt Ion: 75 Resp: 50686
 Ion Ratio Lower Upper
 75 100
 77 28.9 22.0 40.8

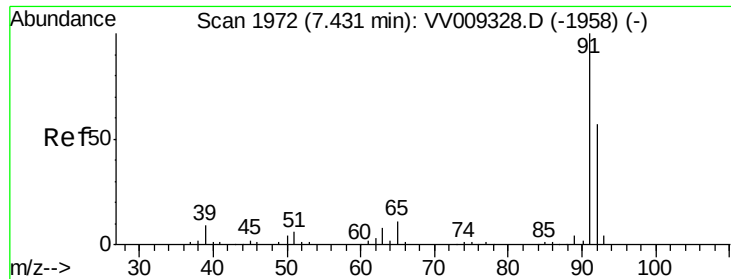


#43

4-Methyl-2-pentanone
 Concen: 51.830 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. -0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Tgt Ion: 43 Resp: 51407
 Ion Ratio Lower Upper
 43 100
 58 43.4 34.2 51.4
 100 17.7 15.1 22.7





#44

Toluene

Concen: 24.140 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

Instrument :

MSVOA_V

ClientSampleId :

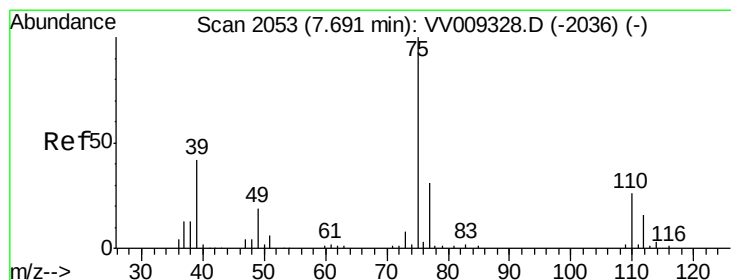
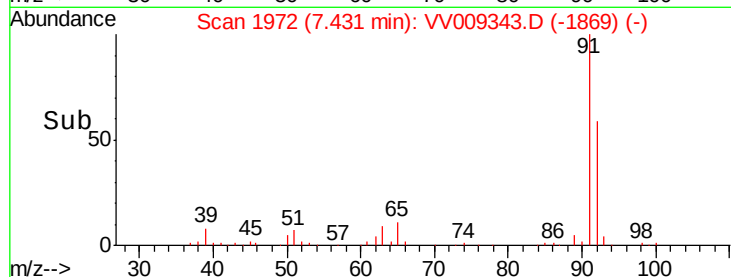
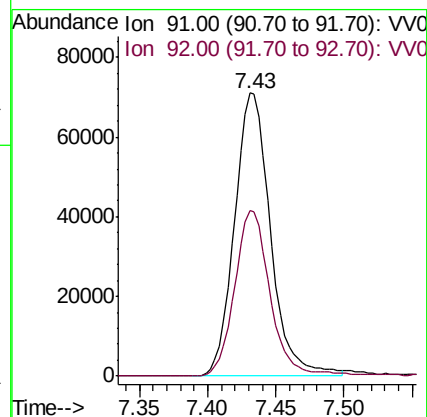
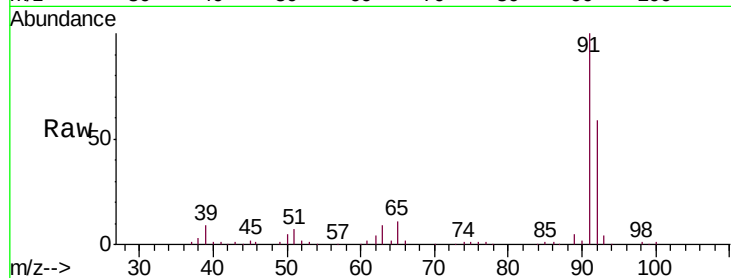
VSTD02578

Tgt Ion: 91 Resp: 130337

Ion Ratio Lower Upper

91 100

92 58.5 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 23.880 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009343.D

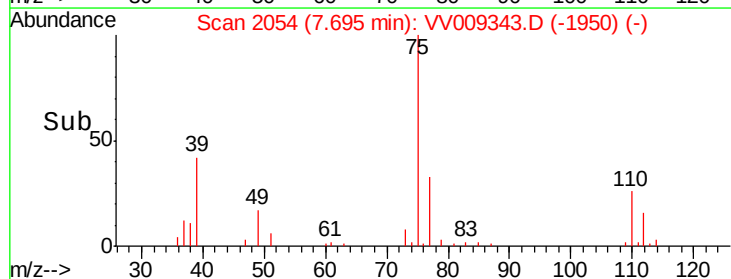
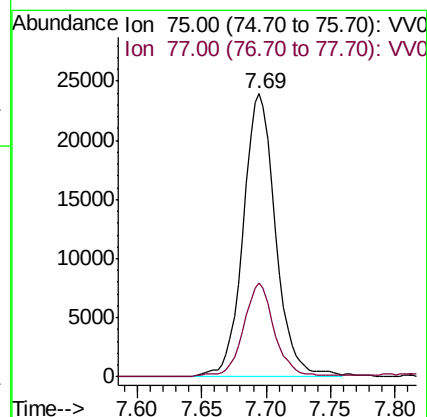
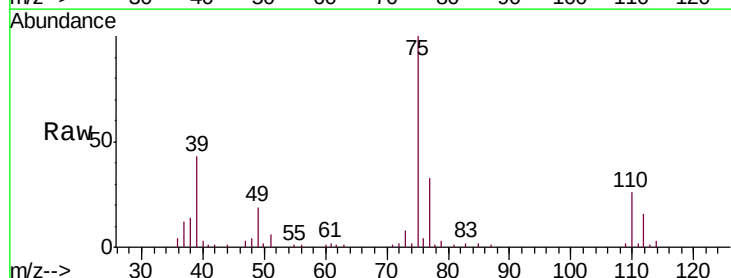
Acq: 22 Feb 2019 21:37

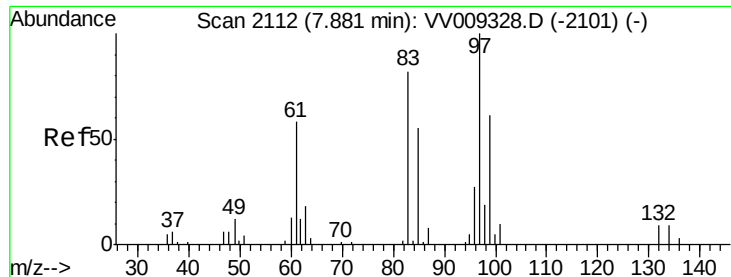
Tgt Ion: 75 Resp: 41930

Ion Ratio Lower Upper

75 100

77 33.2 22.6 42.0

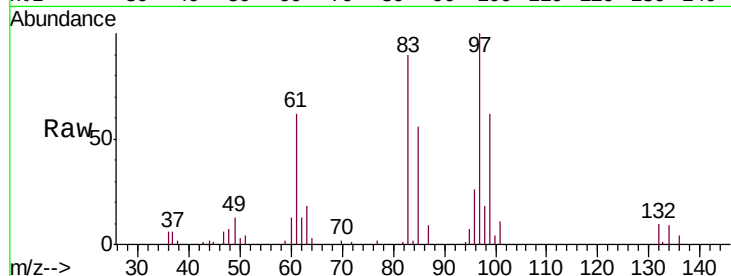




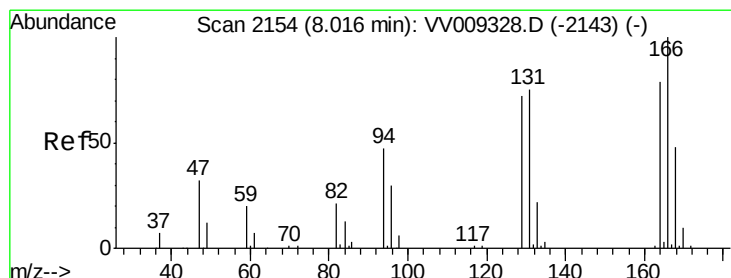
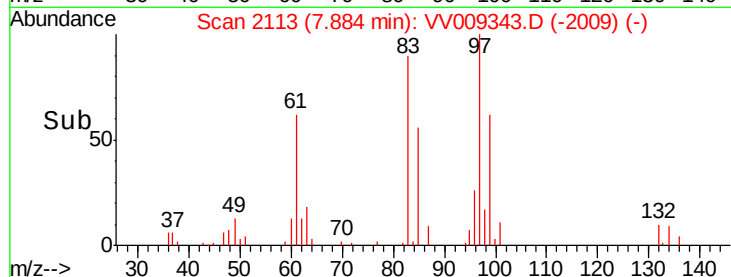
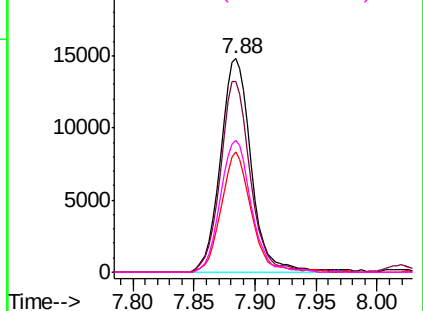
#46
 1,1,2-Trichloroethane
 Concen: 24.979 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

Tgt Ion: 97 Resp: 26282
 Ion Ratio Lower Upper
 97 100
 83 89.6 58.1 107.9
 85 56.3 38.4 71.2
 99 61.6 44.7 83.1

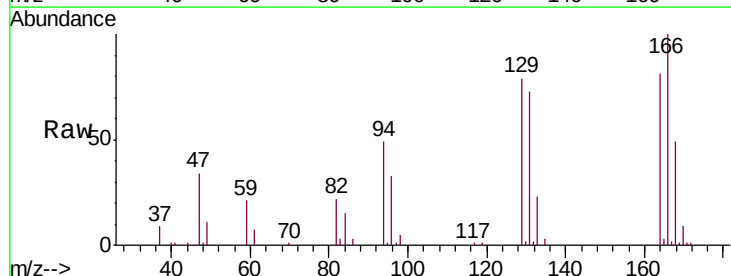


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0
 Ion 85.00 (84.70 to 85.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0

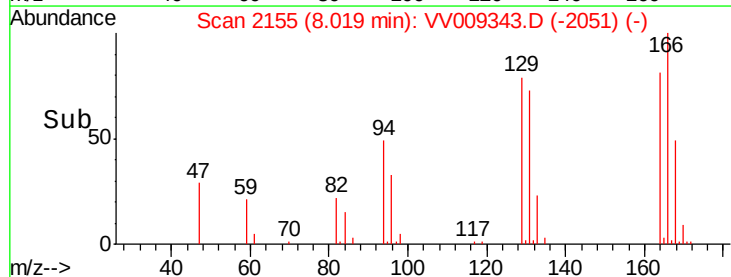
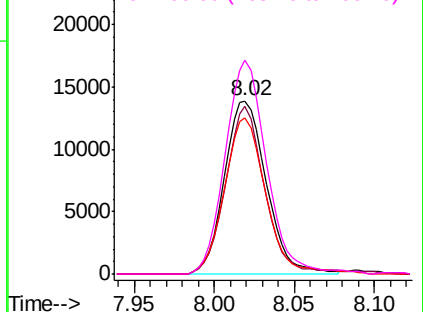


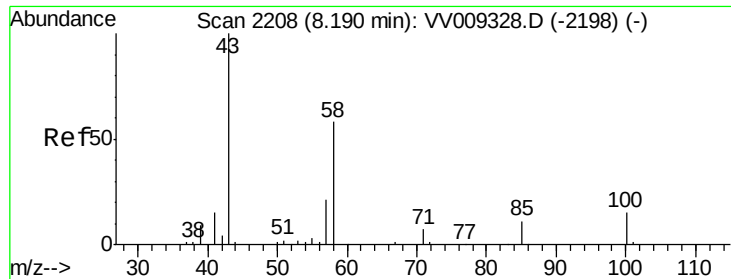
#47
 Tetrachloroethene
 Concen: 23.432 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Tgt Ion: 164 Resp: 24797
 Ion Ratio Lower Upper
 164 100
 129 97.0 67.0 124.4
 131 90.4 65.0 120.8
 166 123.3 89.9 167.0



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

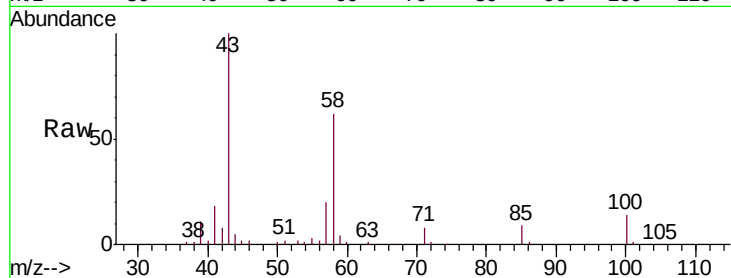




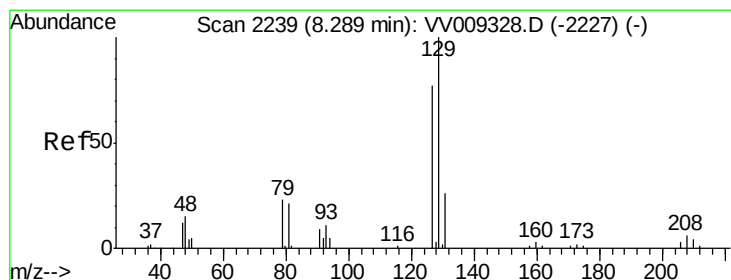
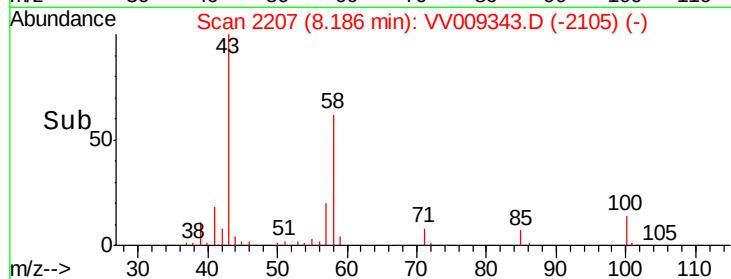
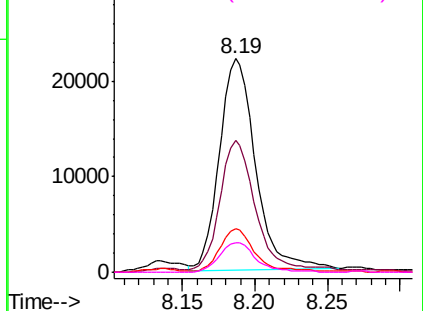
#49
2-Hexanone
Concen: 50.198 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

Tgt Ion:	43	Resp:	38290
Ion	Ratio	Lower	Upper
43	100		
58	59.7	46.8	70.2
57	19.2	14.2	21.2
100	13.8	11.0	16.6

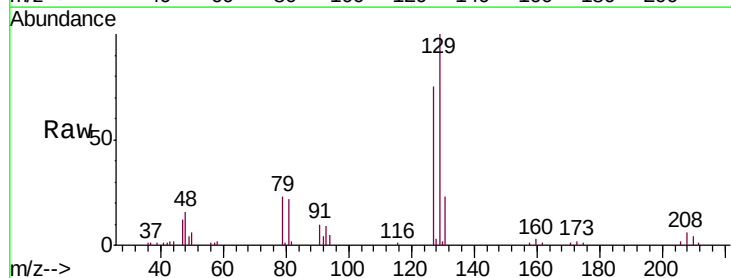


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

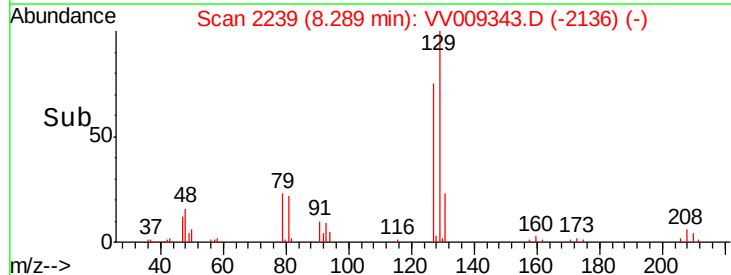
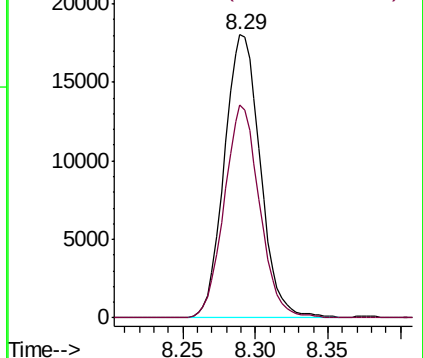


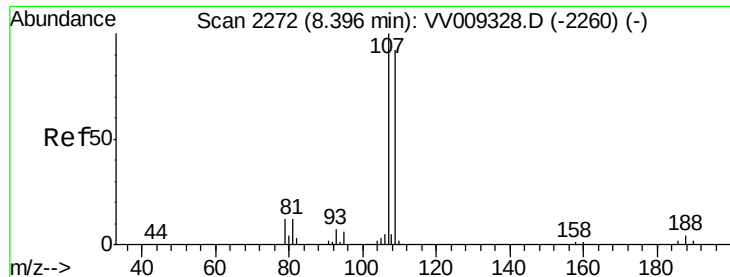
#50
Dibromochloromethane
Concen: 24.410 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

Tgt Ion:	129	Resp:	30967
Ion	Ratio	Lower	Upper
129	100		
127	75.1	53.6	99.6



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

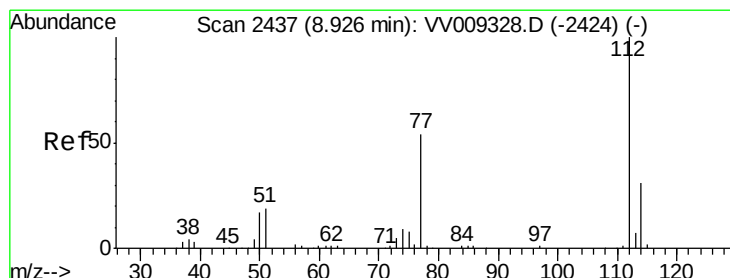
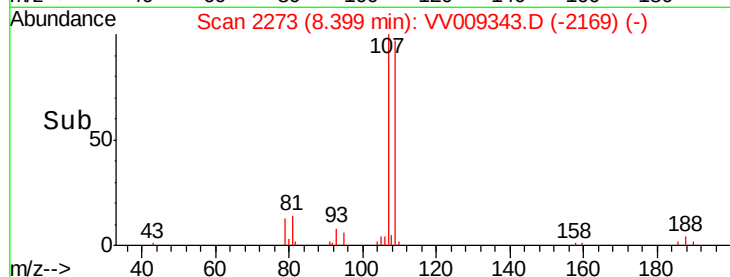
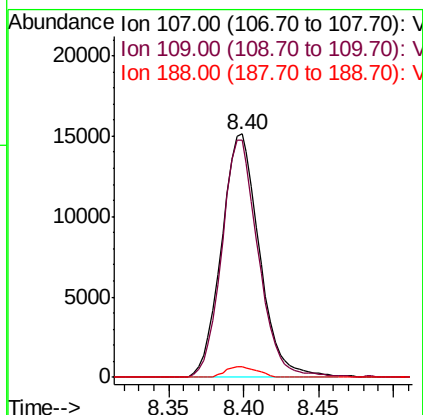
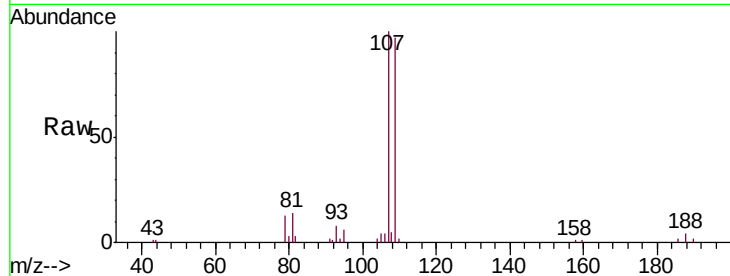




#51
 1,2-Dibromoethane
 Concen: 25.300 ug/L
 RT: 8.40 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

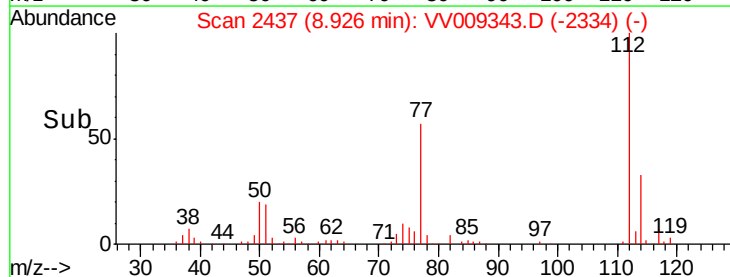
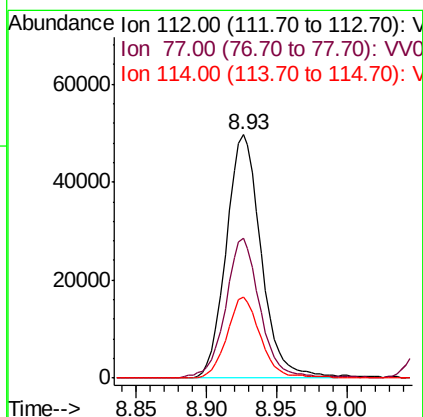
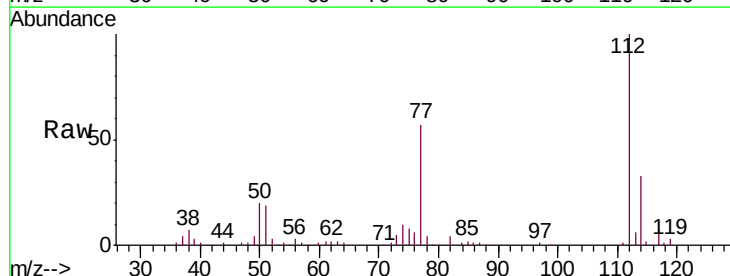
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

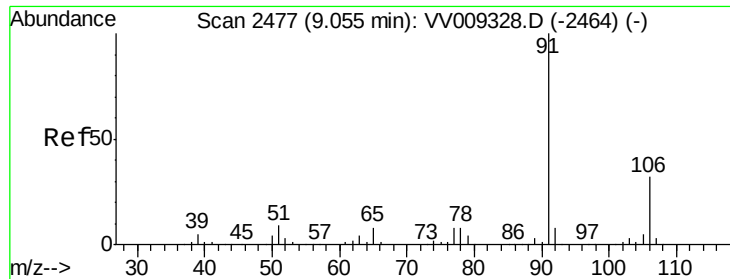
Tgt Ion:107 Resp: 26698
 Ion Ratio Lower Upper
 107 100
 109 97.3 64.5 119.9
 188 4.2 2.8 4.2



#52
 Chlorobenzene
 Concen: 24.492 ug/L
 RT: 8.93 min Scan# 2437
 Delta R.T. -0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Tgt Ion:112 Resp: 86104
 Ion Ratio Lower Upper
 112 100
 77 57.4 45.0 67.4
 114 33.3 22.0 41.0





#53

Ethylbenzene

Concen: 23.806 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

Instrument :

MSVOA_V

ClientSampleId :

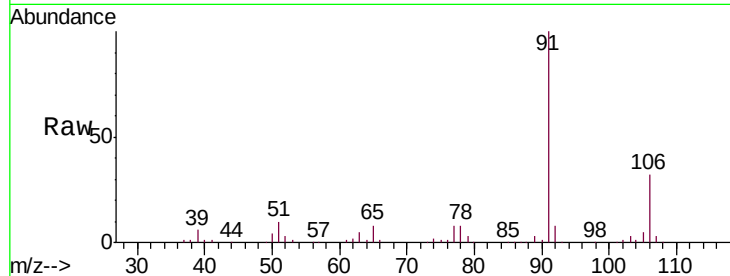
VSTD02578

Tgt Ion: 91 Resp: 145209

Ion Ratio Lower Upper

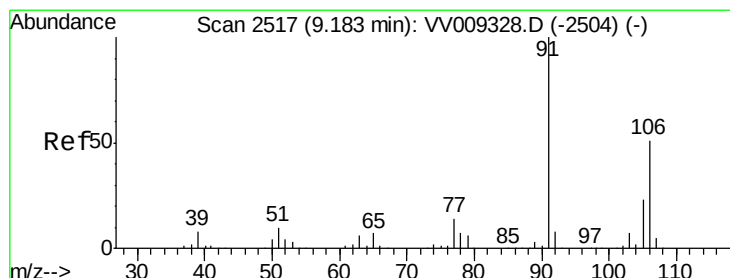
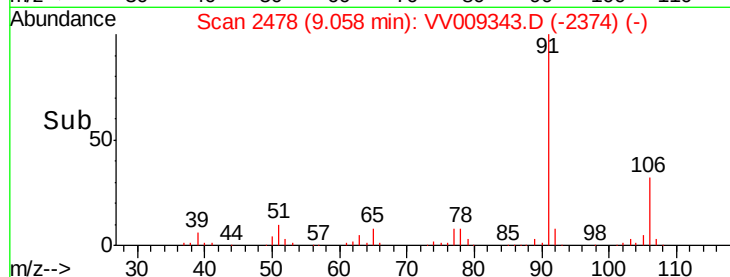
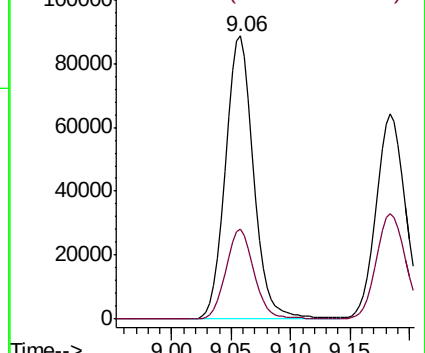
91 100

106 31.7 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V



#54

m,p-Xylene

Concen: 24.287 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009343.D

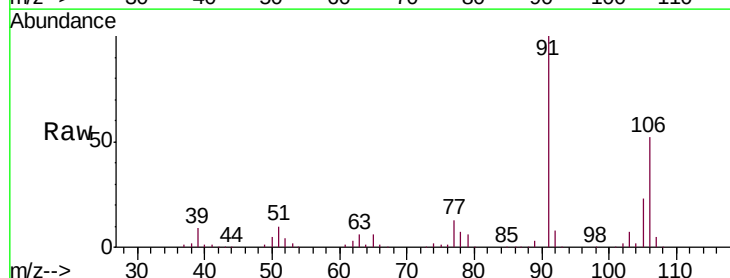
Acq: 22 Feb 2019 21:37

Tgt Ion: 106 Resp: 57803

Ion Ratio Lower Upper

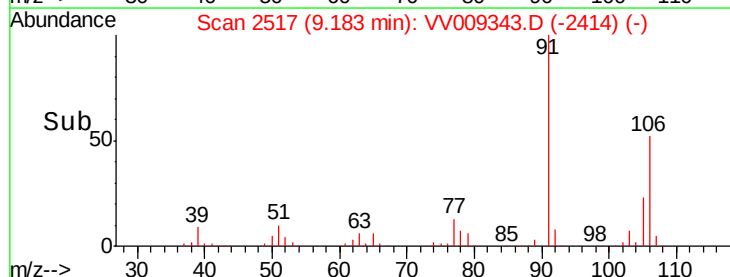
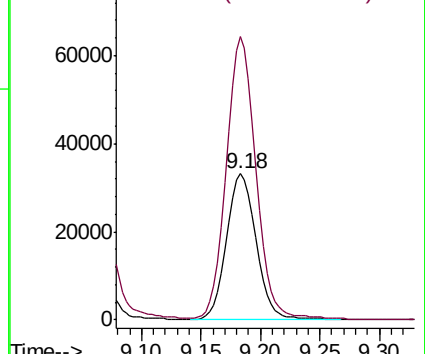
106 100

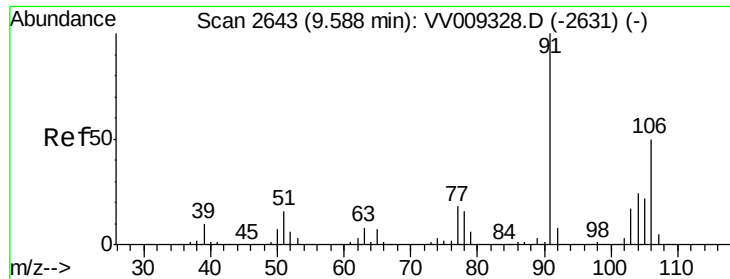
91 193.8 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

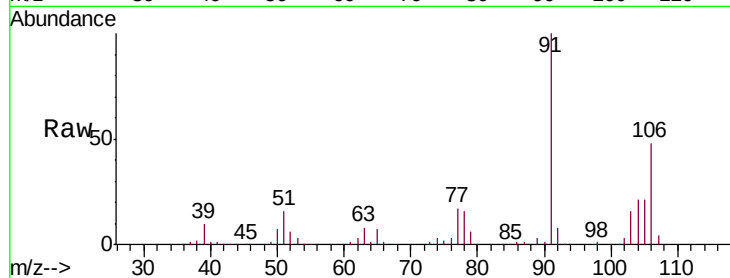




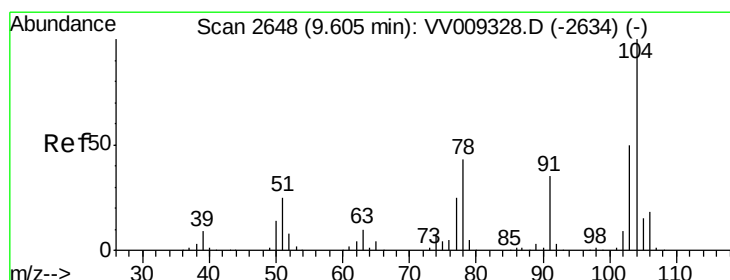
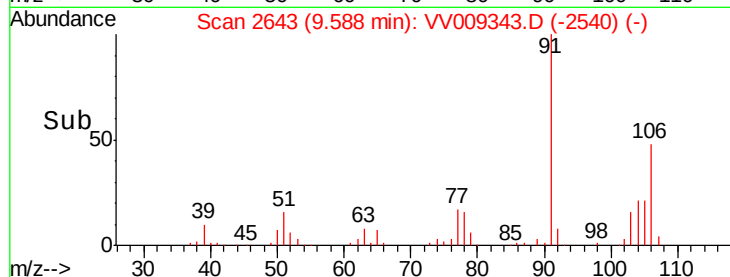
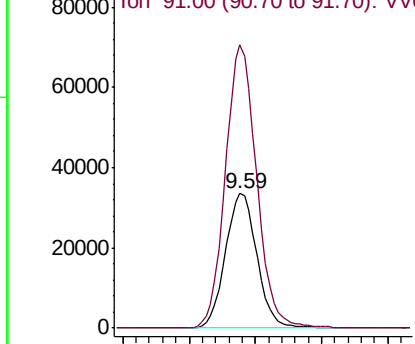
#55
o-xylene
Concen: 24.878 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

Tgt Ion:106 Resp: 55576
Ion Ratio Lower Upper
106 100
91 210.3 146.4 271.8

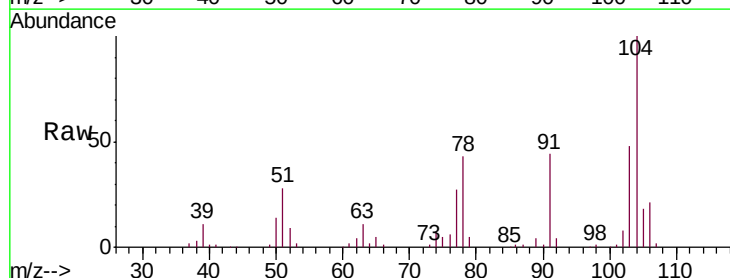


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

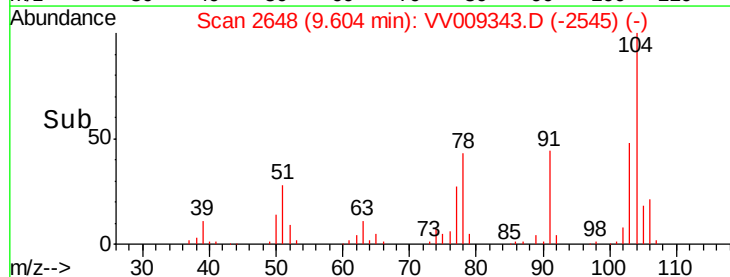
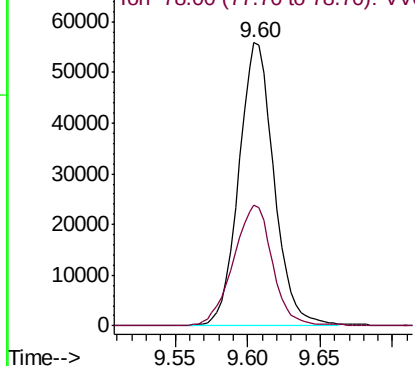


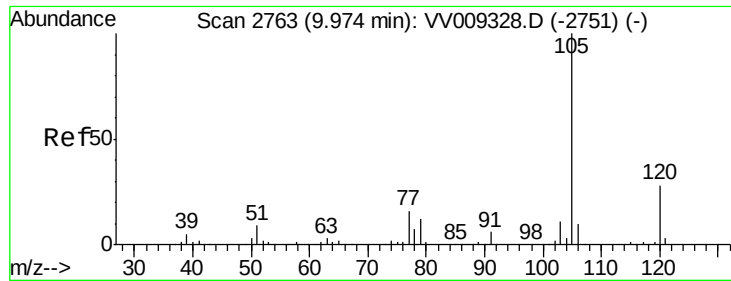
#56
Styrene
Concen: 24.621 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

Tgt Ion:104 Resp: 94389
Ion Ratio Lower Upper
104 100
78 42.6 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 23.175 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

Instrument :

MSVOA_V

ClientSampleId :

VSTD02578

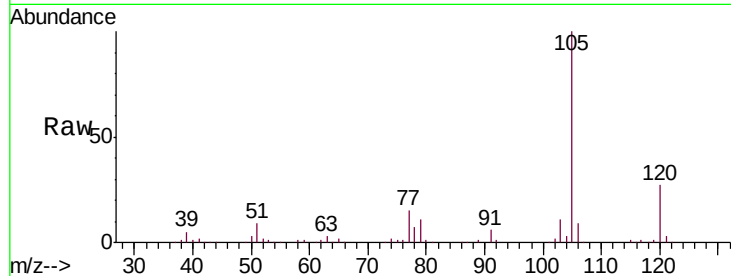
Tgt Ion: 105 Resp: 143320

Ion Ratio Lower Upper

105 100

120 27.2 21.7 32.5

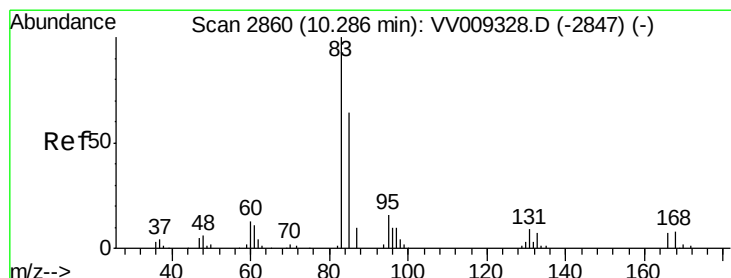
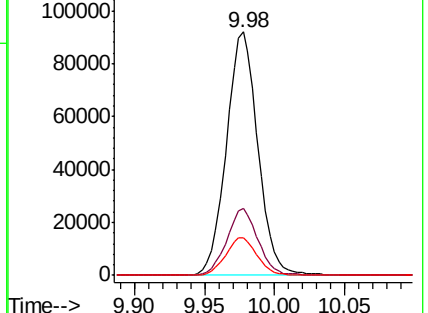
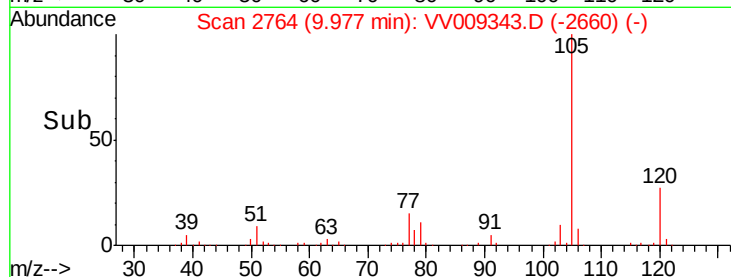
77 15.4 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.635 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009343.D

Acq: 22 Feb 2019 21:37

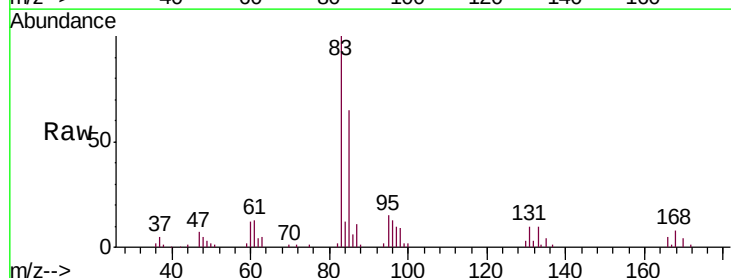
Tgt Ion: 83 Resp: 38062

Ion Ratio Lower Upper

83 100

85 65.2 44.7 83.1

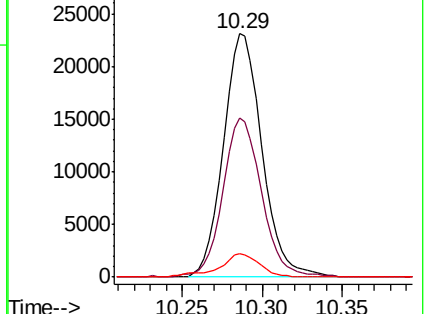
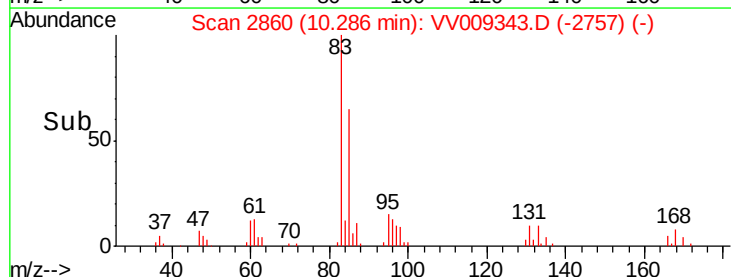
131 9.7 8.1 12.1

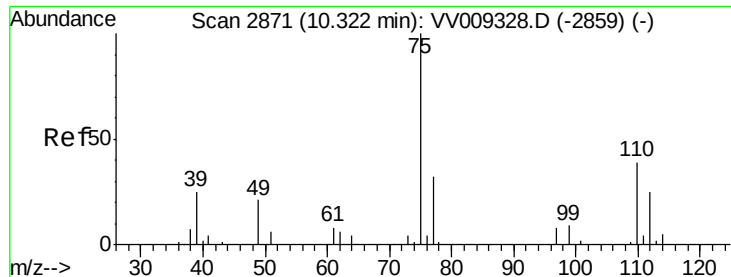


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

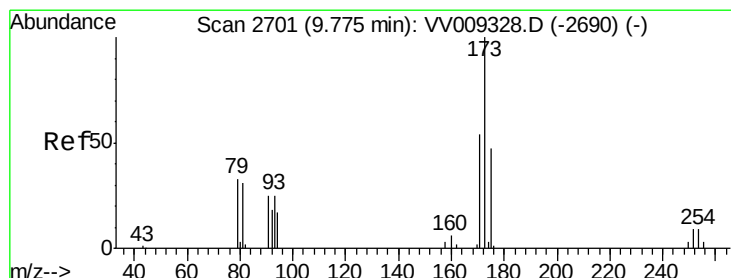
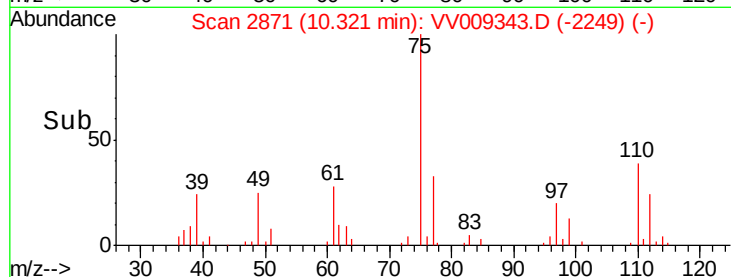
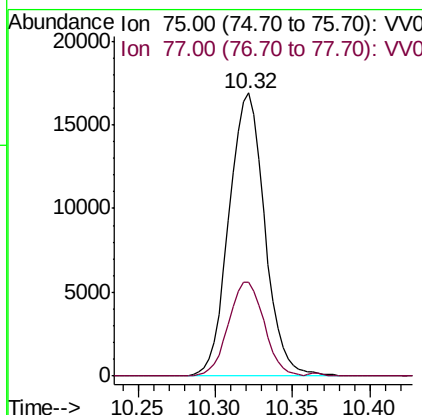
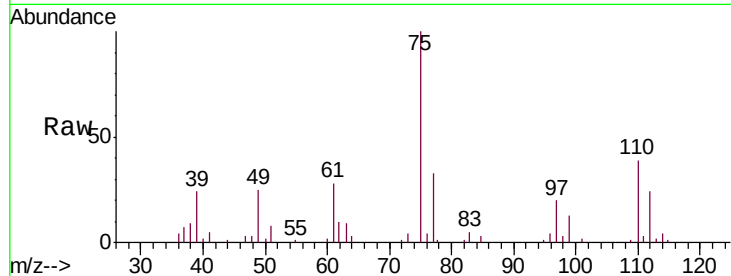




#59
 1,2,3-Trichloropropane
 Concen: 25.459 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

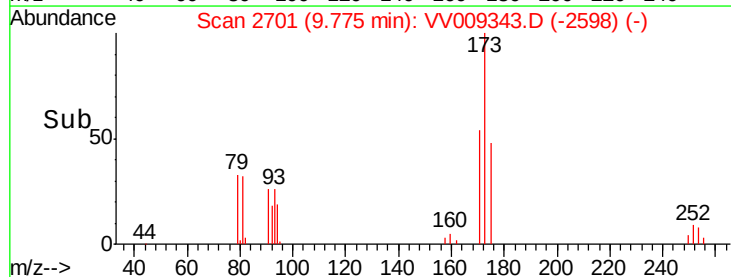
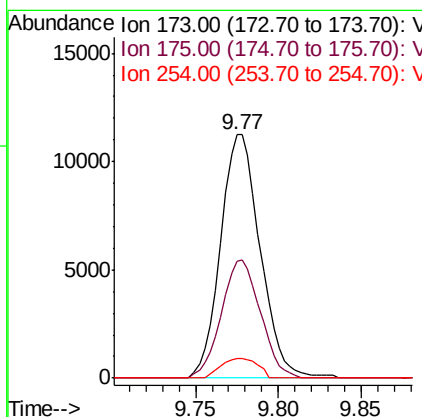
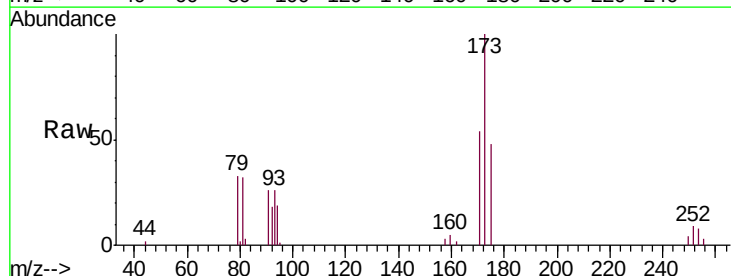
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

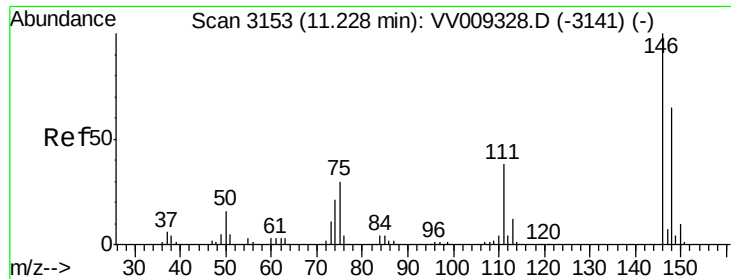
Tgt Ion: 75 Resp: 27087
 Ion Ratio Lower Upper
 75 100
 77 33.2 26.3 39.5



#62
 Bromoform
 Concen: 23.522 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Tgt Ion: 173 Resp: 18691
 Ion Ratio Lower Upper
 173 100
 175 47.8 39.1 58.7
 254 7.4 5.7 8.5

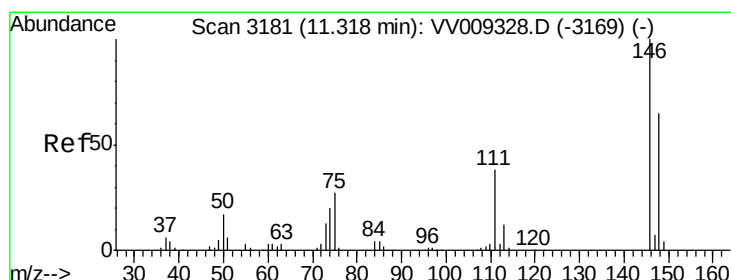
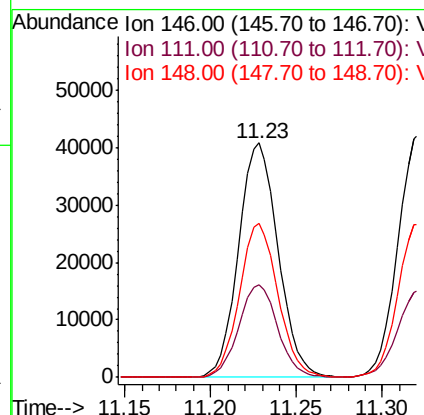
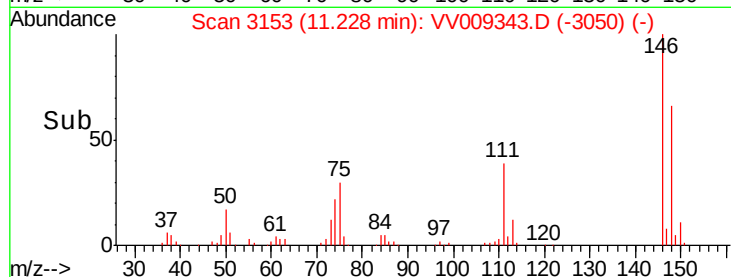
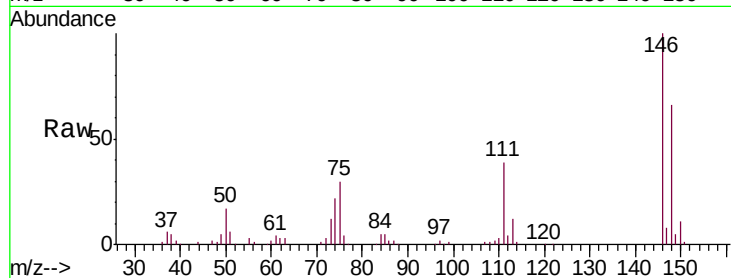




#63
 1,3-Dichlorobenzene
 Concen: 23.710 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

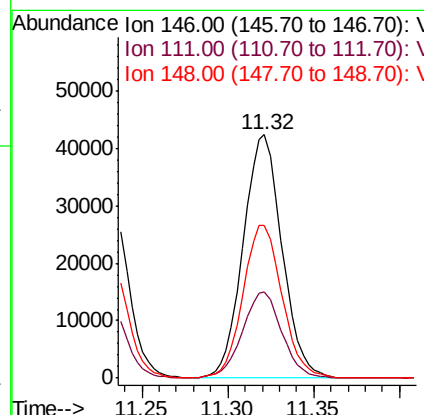
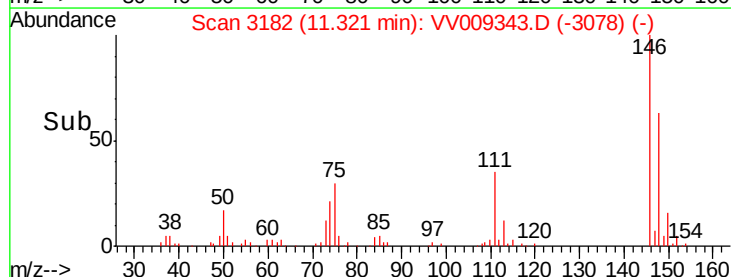
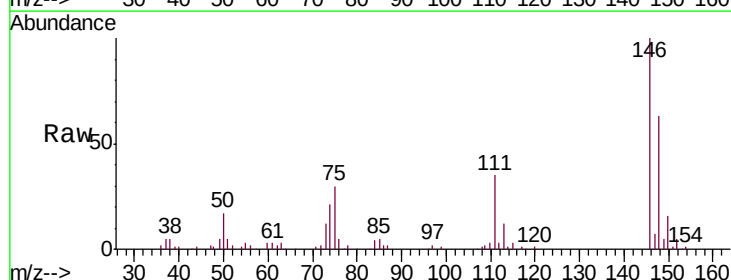
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

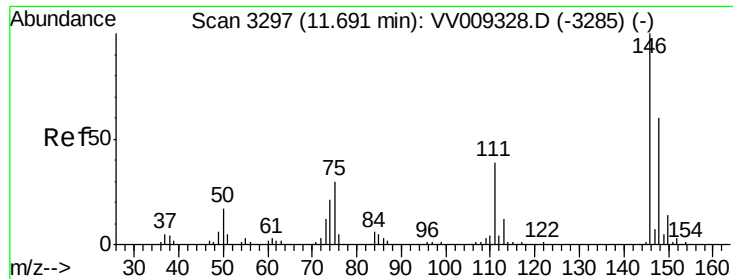
Tgt Ion:146 Resp: 65463
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.6 51.4
 148 65.9 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 24.159 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Tgt Ion:146 Resp: 66488
 Ion Ratio Lower Upper
 146 100
 111 35.5 26.9 50.1
 148 62.8 44.1 81.9

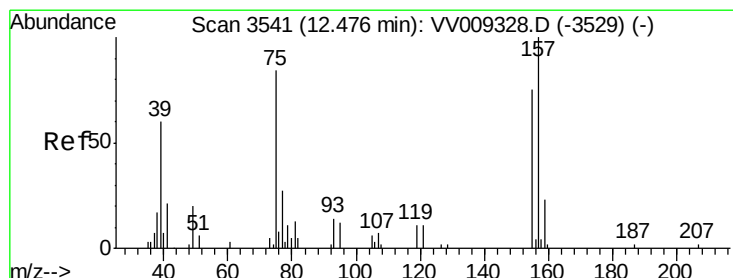
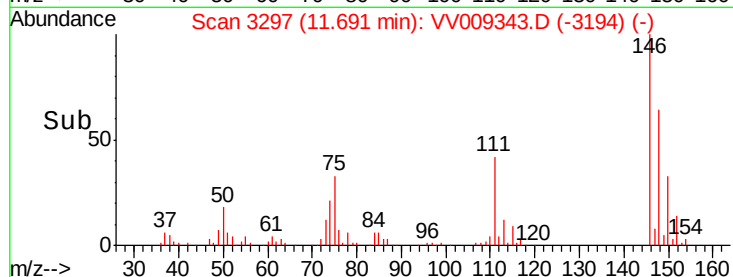
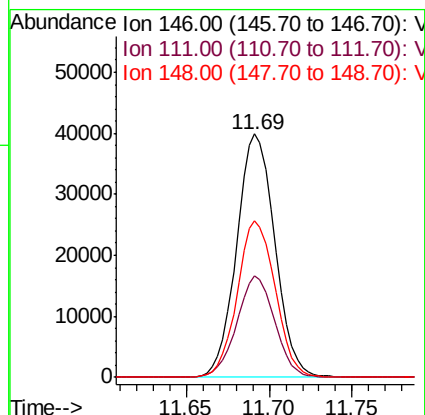
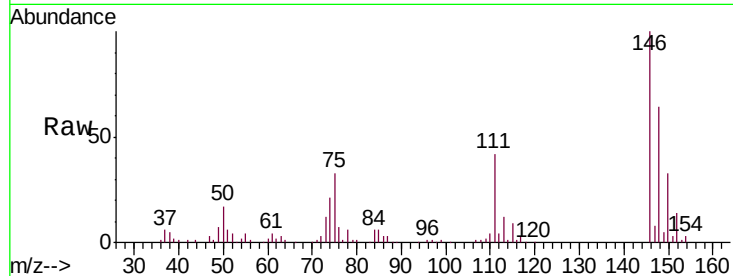




#65
 1,2-Dichlorobenzene
 Concen: 24.727 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

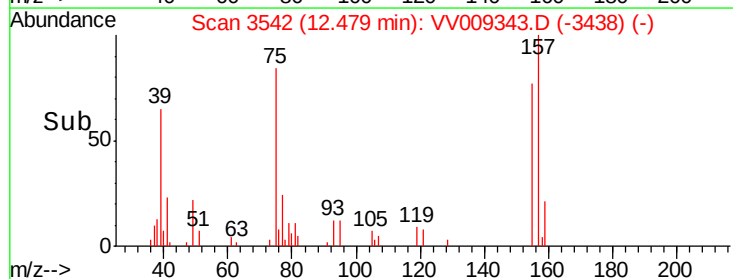
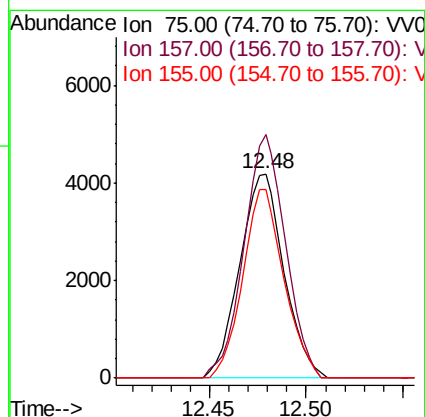
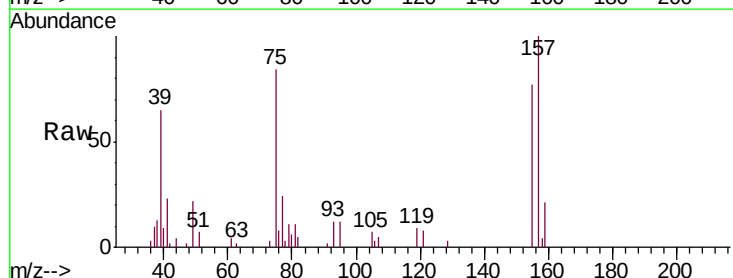
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

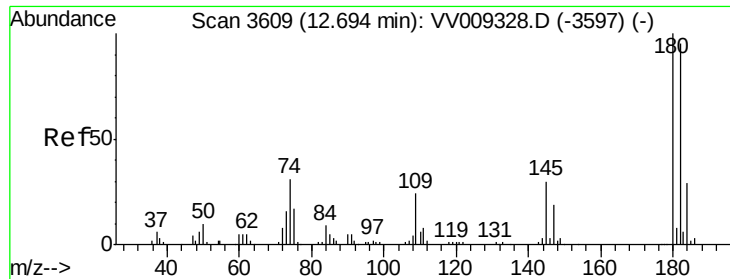
Tgt Ion:146 Resp: 64014
 Ion Ratio Lower Upper
 146 100
 111 41.7 32.6 48.8
 148 64.3 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 23.089 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Tgt Ion: 75 Resp: 6638
 Ion Ratio Lower Upper
 75 100
 157 119.1 88.6 133.0
 155 92.3 66.6 100.0

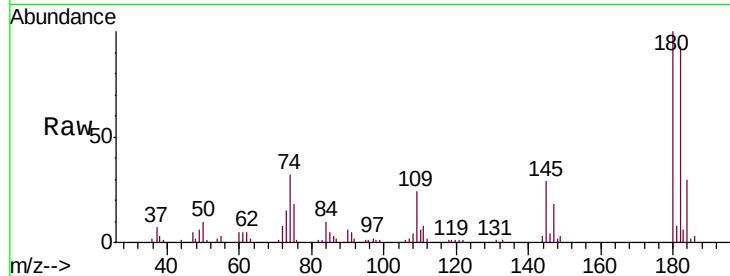




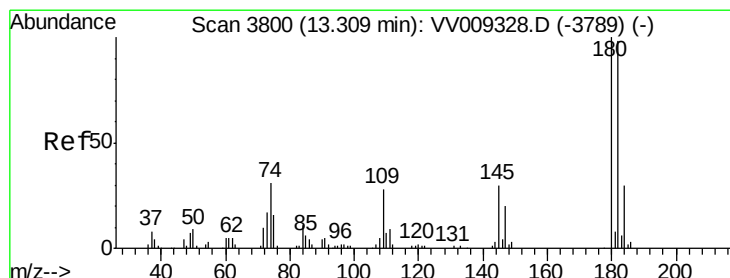
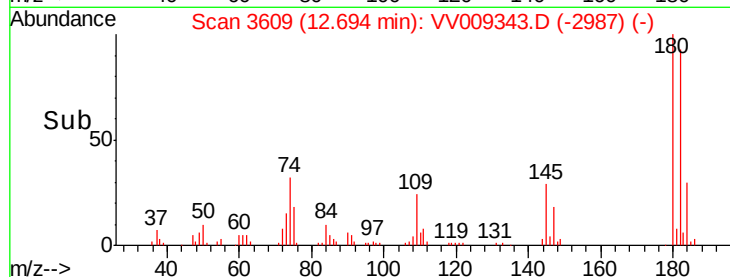
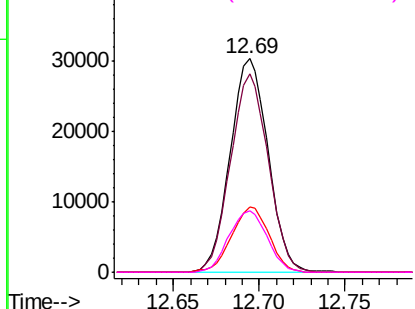
#67
 1,3,5-Trichlorobenzene
 Concen: 23.211 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02578

Tgt Ion:180 Resp: 46372
 Ion Ratio Lower Upper
 180 100
 182 92.3 77.4 116.2
 184 30.2 24.9 37.3
 145 29.0 24.3 36.5

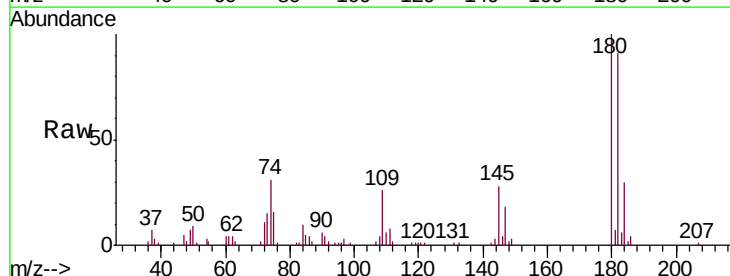


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

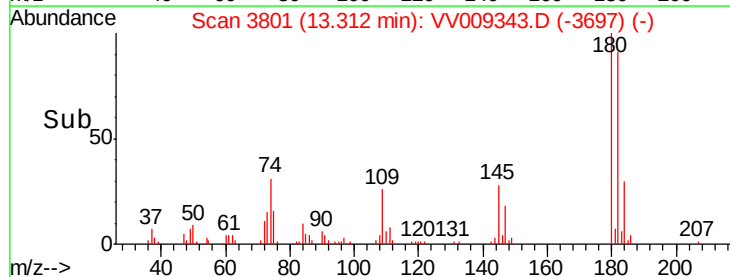
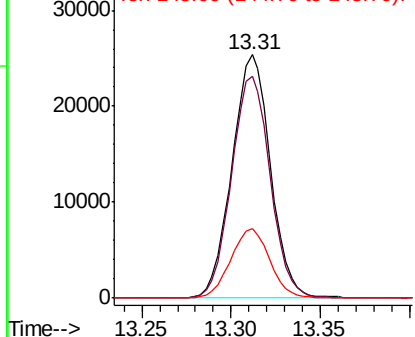


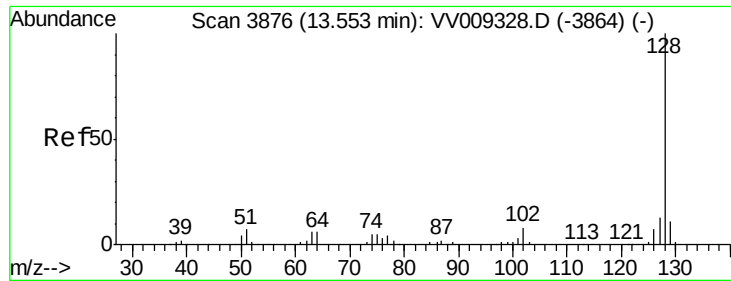
#68
 1,2,4-trichlorobenzene
 Concen: 23.374 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009343.D
 Acq: 22 Feb 2019 21:37

Tgt Ion:180 Resp: 38102
 Ion Ratio Lower Upper
 180 100
 182 92.1 76.7 115.1
 145 28.9 25.1 37.7



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

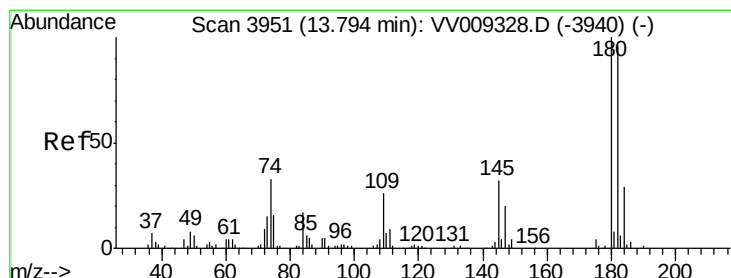
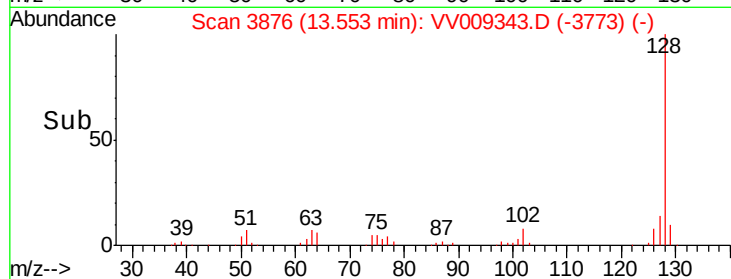
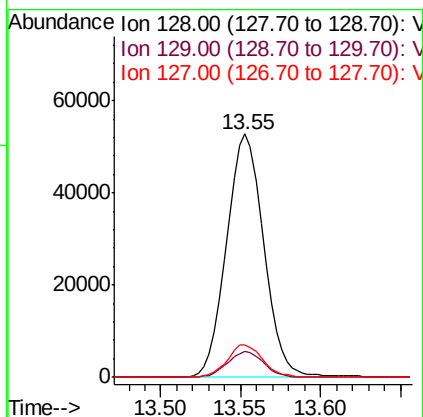
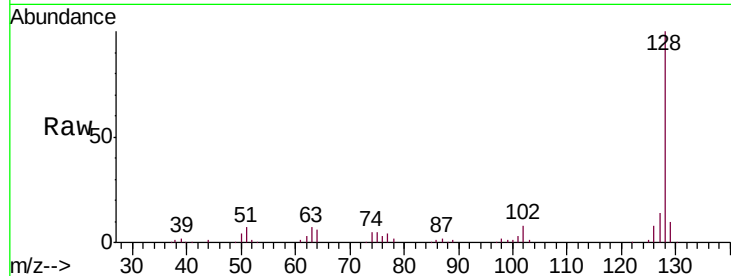




#69
Naphthalene
Concen: 23.973 ug/L
RT: 13.55 min Scan# 3876
Delta R.T. -0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

Instrument :
MSVOA_V
ClientSampleId :
VSTD02578

Tgt Ion:128 Resp: 83759
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 12.8 10.5 15.7



#70
1,2,3-Trichlorobenzene
Concen: 24.310 ug/L
RT: 13.79 min Scan# 3951
Delta R.T. -0.00 min
Lab File: VV009343.D
Acq: 22 Feb 2019 21:37

Tgt Ion:180 Resp: 36571
Ion Ratio Lower Upper
180 100
182 94.1 73.6 110.4
145 30.9 26.1 39.1

