

Data File : VV012433.D
Acq On : 28 Aug 2019 20:58
Operator : SY/MD
Sample : VSTD00536
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

Quant Time: Aug 29 01:59:16 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082819WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 29 01:55:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	226580	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	222489	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	110284	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9899	1.05	ug/L	0.00
7) Chloroethane-d5	1.58	69	10153	1.43	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	64009	3.42	ug/L	0.00
20) 2-Butanone-d5	3.96	46	180374	57.11	ug/L	0.00
24) Chloroform-d	4.40	84	105189	4.19	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	42057	3.57	ug/L	0.00
32) Benzene-d6	5.10	84	124606	2.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	58165	3.76	ug/L	0.00
41) Toluene-d8	7.36	98	130248	2.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	22528	3.83	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	137098	65.82	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	62435	5.57	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	80652	4.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	164591	7.494 ug/L	100
3) Chloromethane	1.25	50	130746	7.622 ug/L	100
5) Vinyl chloride	1.32	62	121962	7.453 ug/L	100
6) Bromomethane	1.54	94	64082	8.108 ug/L	100
8) Chloroethane	1.60	64	64266	7.688 ug/L	100
9) Trichlorofluoromethane	1.77	101	172734	7.815 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	81543	7.234 ug/L	100
12) 1,1-Dichloroethene	2.14	96	79481	7.667 ug/L	100
13) Acetone	2.23	43	121669	79.468 ug/L	100
14) Carbon disulfide	2.32	76	238538	7.363 ug/L	100
15) Methyl Acetate	2.47	43	27708	7.285 ug/L	100
16) Methylene chloride	2.53	84	80326	7.039 ug/L	100
17) Methyl tert-butyl Ether	2.81	73	236640	7.596 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	110164	7.293 ug/L	100
19) 1,1-Dichloroethane	3.23	63	215556	7.544 ug/L	100
21) 2-Butanone	4.05	43	276320	77.768 ug/L	100
22) cis-1,2-Dichloroethene	3.96	96	117893	7.156 ug/L	100
23) Bromochloromethane	4.30	128	51512	7.411 ug/L	100
25) Chloroform	4.42	83	218891	6.974 ug/L	100
27) 1,2-Dichloroethane	5.18	62	128253	7.590 ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	183068	7.339 ug/L	100
30) Cyclohexane	4.72	56	192501	7.428 ug/L	100
31) Carbon tetrachloride	4.87	117	162137	7.352 ug/L	100
33) Benzene	5.14	78	470796	7.405 ug/L	100
34) Trichloroethene	5.96	95	118919	7.022 ug/L	100
35) Methylcyclohexane	6.17	83	191716	7.132 ug/L	100
37) 1,2-Dichloropropane	6.22	63	120606	7.444 ug/L	100
38) Bromodichloromethane	6.55	83	149445	7.456 ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	158543	7.257 ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	710166	79.770 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	496684	7.600	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	120090	7.346	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	78189	7.447	ug/L	100
47) Tetrachloroethene	8.02	164	98336	7.161	ug/L	100
48) 2-Hexanone	8.19	43	504047	79.109	ug/L	100
49) Dibromochloromethane	8.29	129	95014	7.523	ug/L	100
50) 1,2-Dibromoethane	8.40	107	70335	7.179	ug/L	100
51) Chlorobenzene	8.92	112	307726	7.250	ug/L	100
52) Ethylbenzene	9.05	91	535582	7.586	ug/L	100
53) m,p-xylene	9.18	106	205694	7.722	ug/L	100
54) o-xylene	9.59	106	196651	7.758	ug/L	100
55) Styrene	9.60	104	339095	7.969	ug/L	100
56) Isopropylbenzene	9.97	105	517500	7.676	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.28	83	95131	8.129	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	67650	7.525	ug/L	100
61) Bromoform	9.78	173	51249	7.161	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	241329	7.208	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	237698	7.098	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	221843	7.201	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.47	75	14217	7.727	ug/L	100
67) 1,3,5-Trichlorobenzene	12.69	180	185045	7.202	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	143311	7.789	ug/L	100
69) Naphthalene	13.55	128	217794	8.212	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	137954	7.961	ug/L	100

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

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ALS Vial      : 6      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

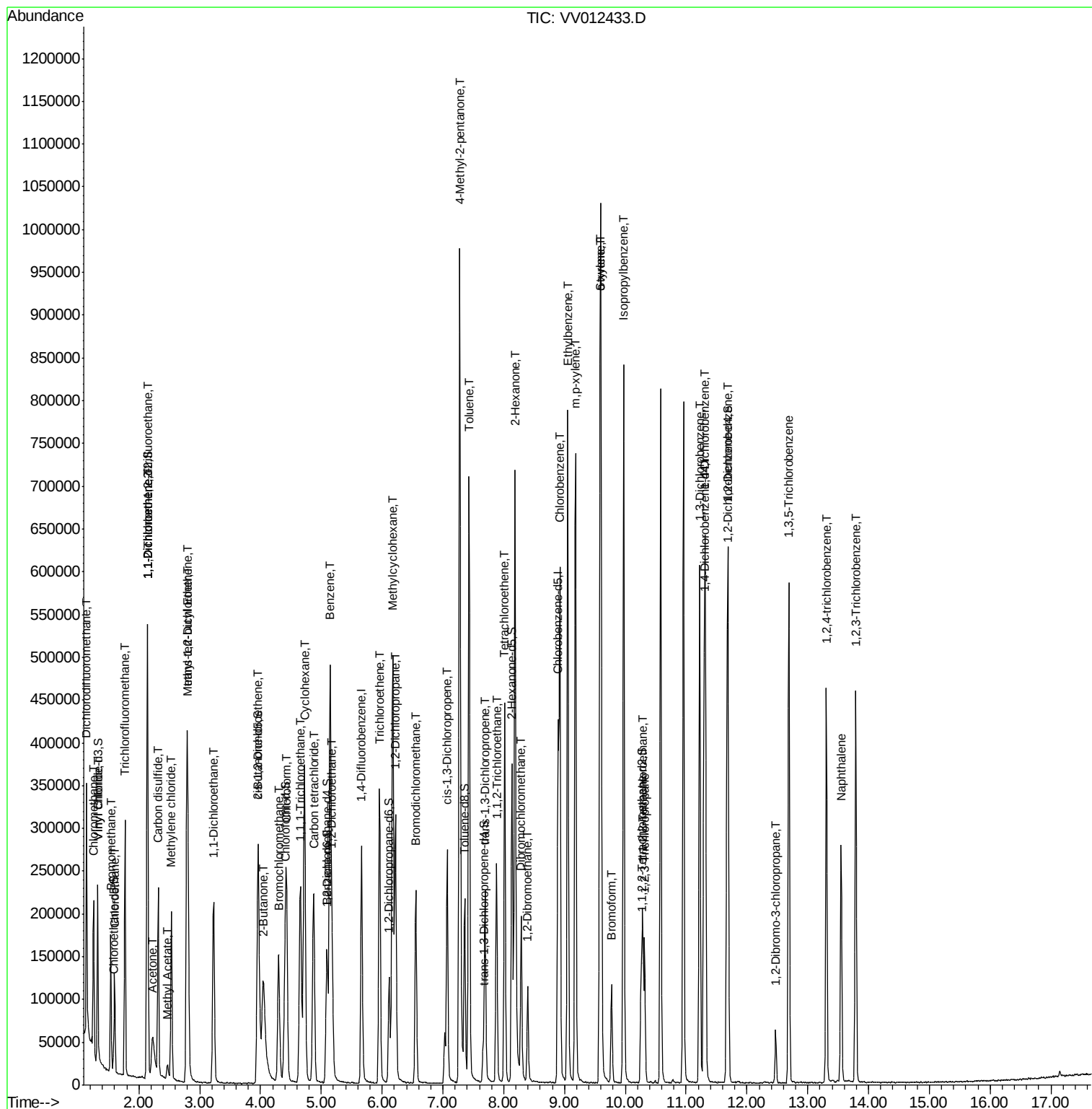
Quant Time: Aug 29 01:59:16 2019

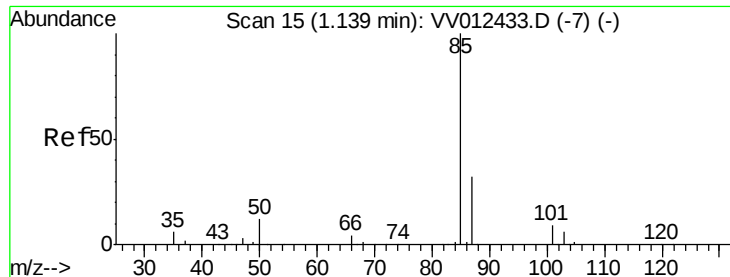
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR082819WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Aug 29 01:55:44 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 7.494 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

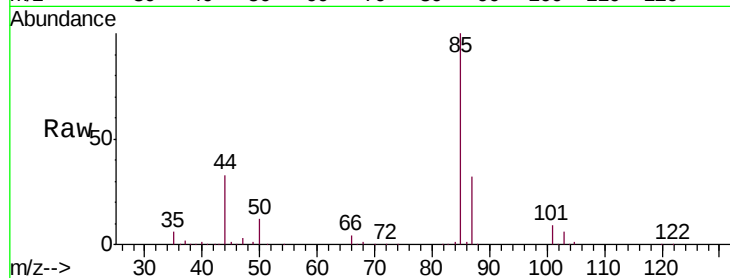
VSTD00536

Tgt Ion: 85 Resp: 164591

Ion Ratio Lower Upper

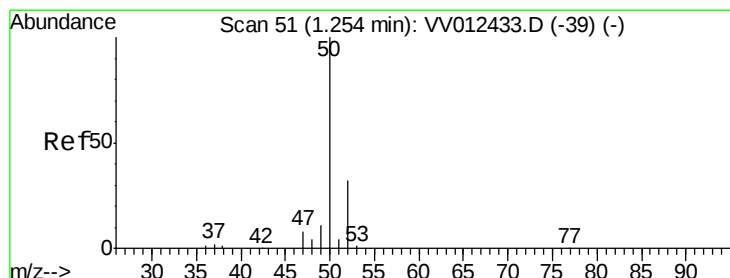
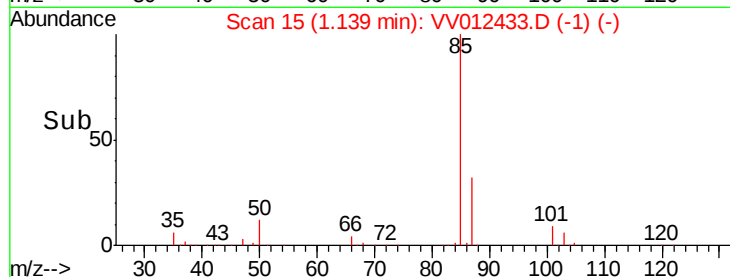
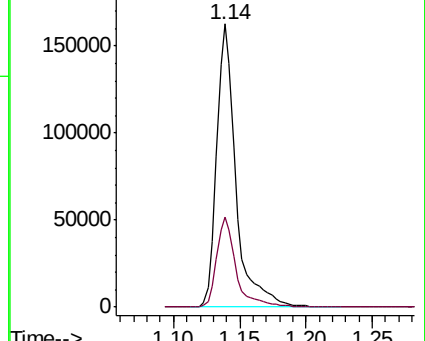
85 100

87 32.0 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 7.622 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV012433.D

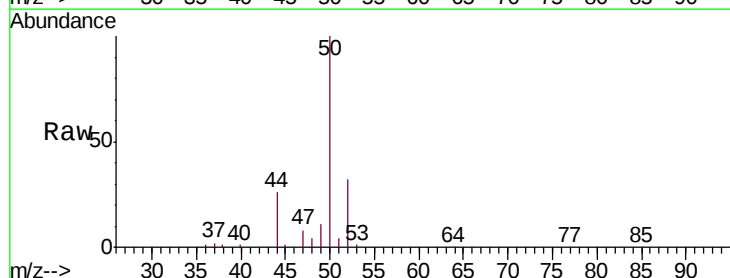
Acq: 28 Aug 2019 20:58

Tgt Ion: 50 Resp: 130746

Ion Ratio Lower Upper

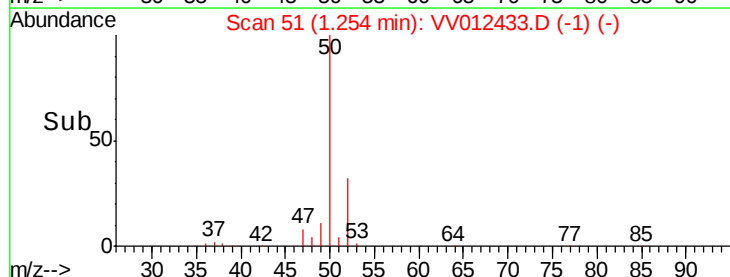
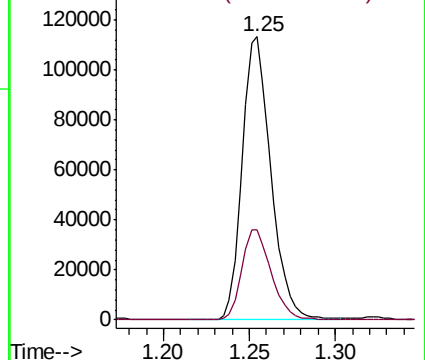
50 100

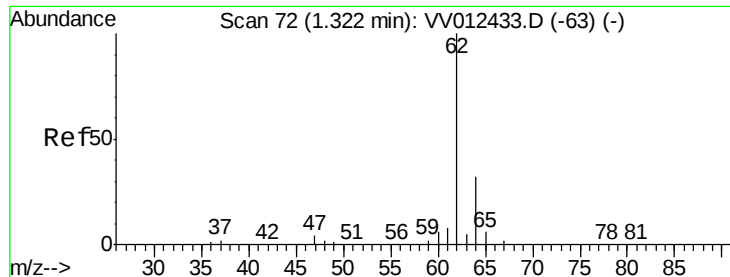
52 31.9 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 7.453 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

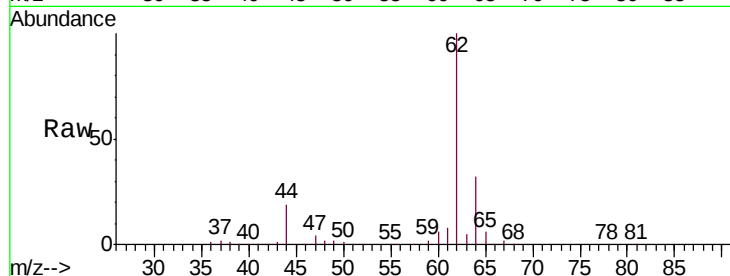
VSTD00536

Tgt Ion: 62 Resp: 121962

Ion Ratio Lower Upper

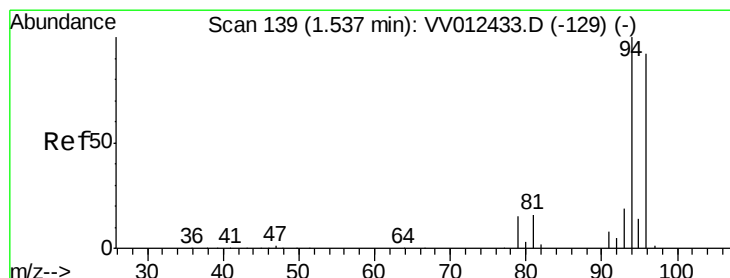
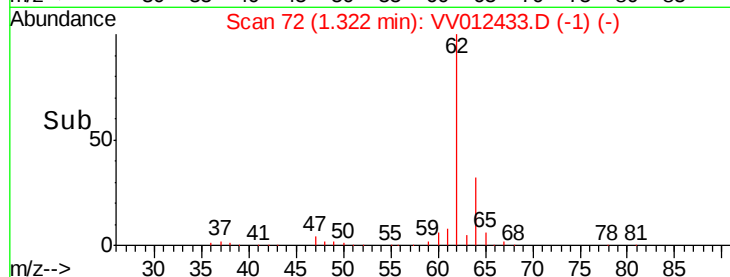
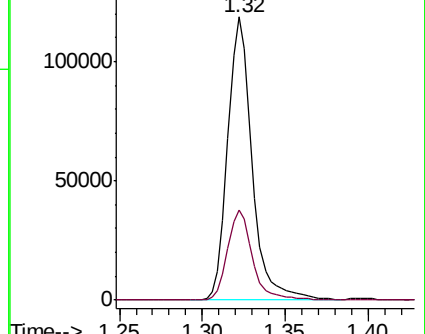
62 100

64 31.9 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 8.108 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV012433.D

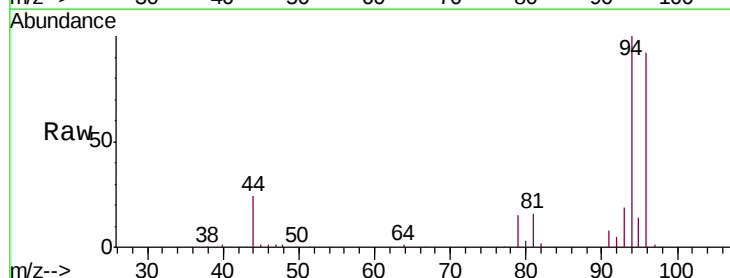
Acq: 28 Aug 2019 20:58

Tgt Ion: 94 Resp: 64082

Ion Ratio Lower Upper

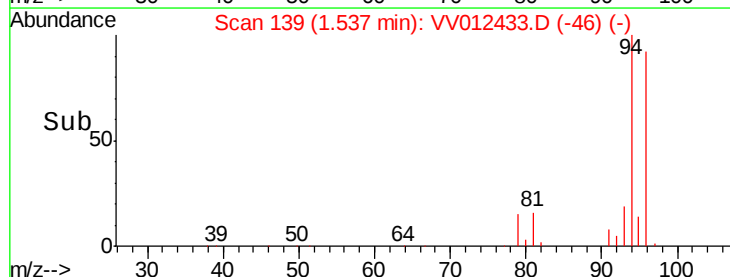
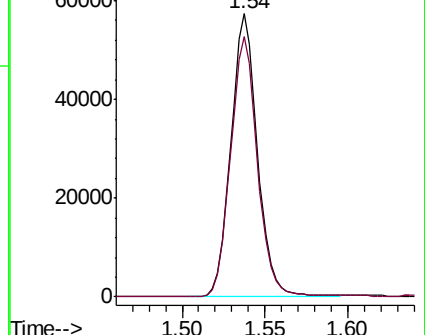
94 100

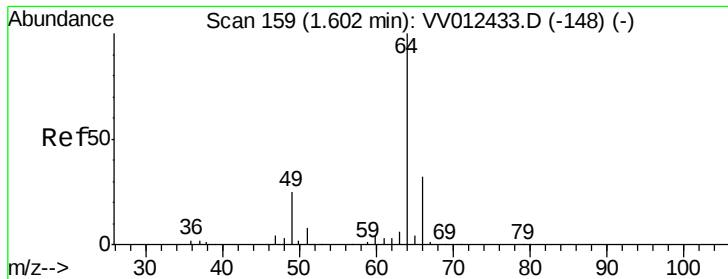
96 91.8 64.3 119.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 7.688 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

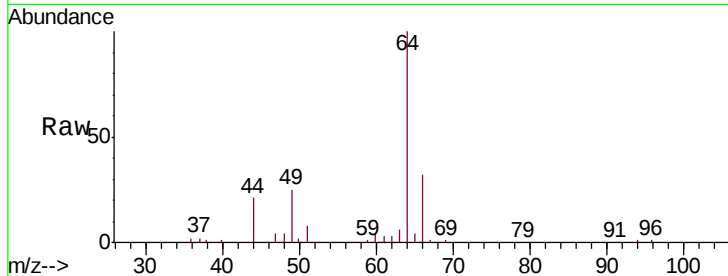
VSTD00536

Tgt Ion: 64 Resp: 64266

Ion Ratio Lower Upper

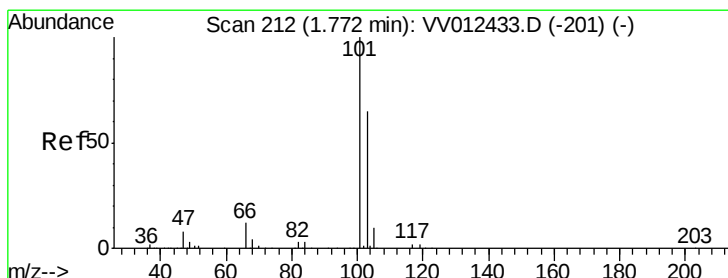
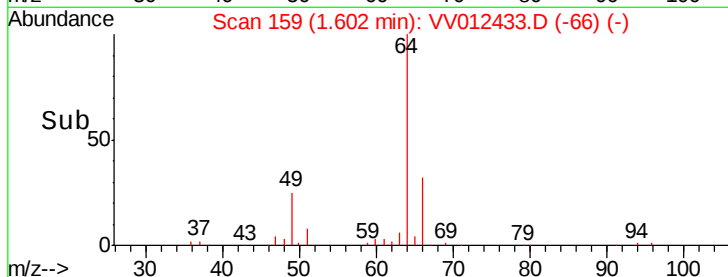
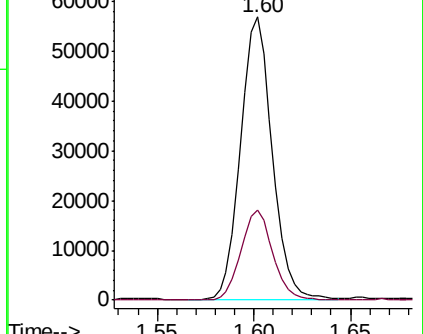
64 100

66 32.0 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VV012433.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV012433.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 7.815 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV012433.D

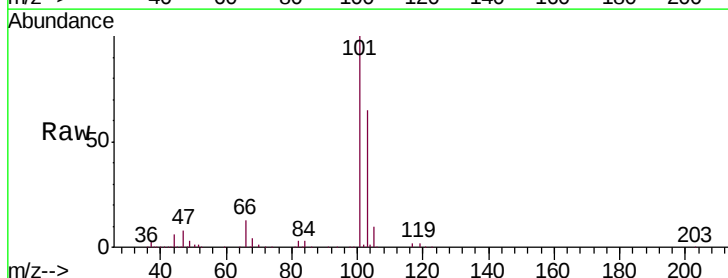
Acq: 28 Aug 2019 20:58

Tgt Ion: 101 Resp: 172734

Ion Ratio Lower Upper

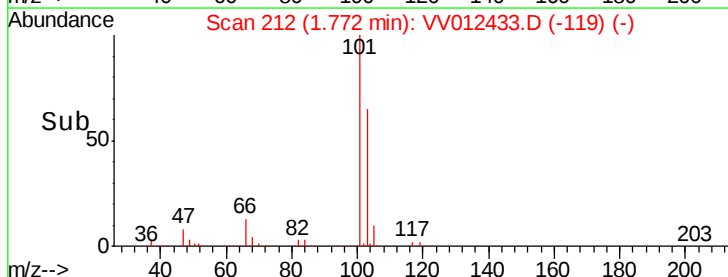
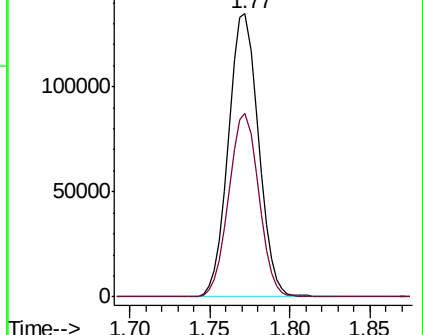
101 100

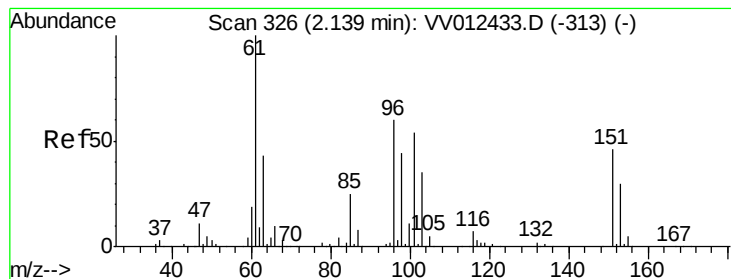
103 64.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV012433.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV012433.D (-201) (-)





#10

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

Concen: 7.234 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

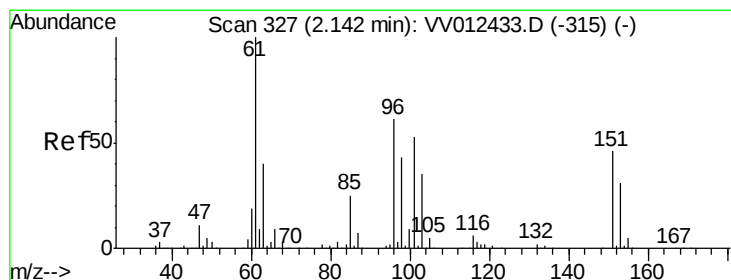
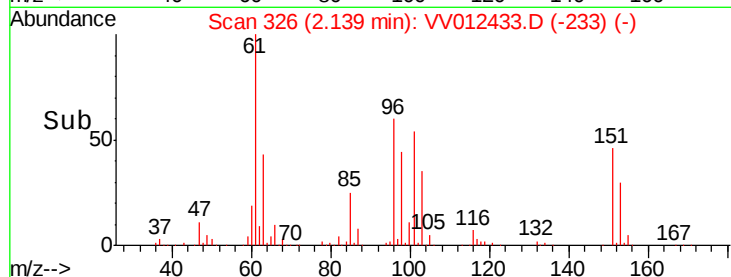
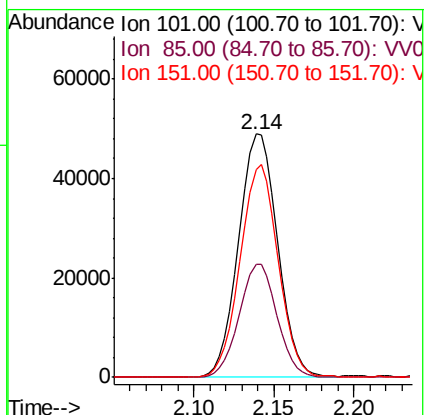
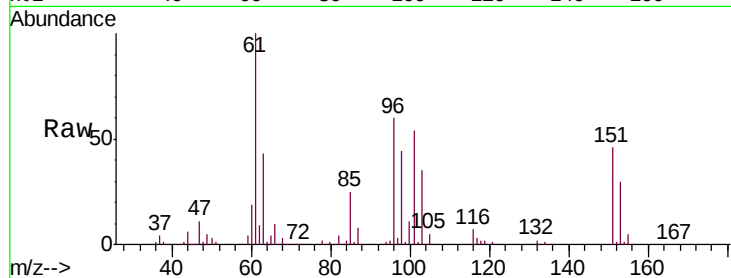
Tgt Ion: 101 Resp: 81543

Ion Ratio Lower Upper

101 100

85 44.9 35.9 53.9

151 85.5 68.4 102.6



#12

1,1-Dichloroethene

Concen: 7.667 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

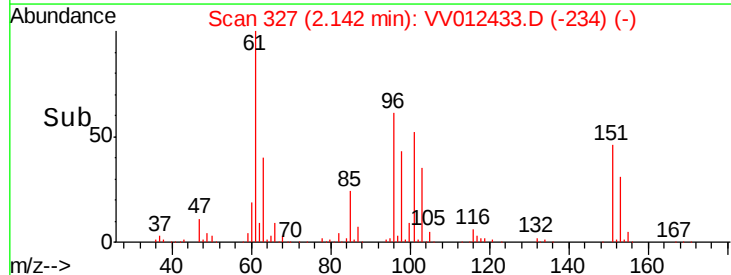
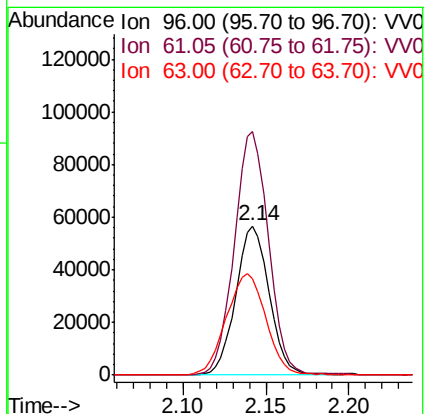
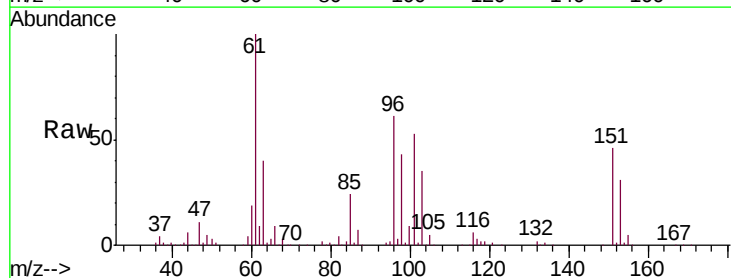
Tgt Ion: 96 Resp: 79481

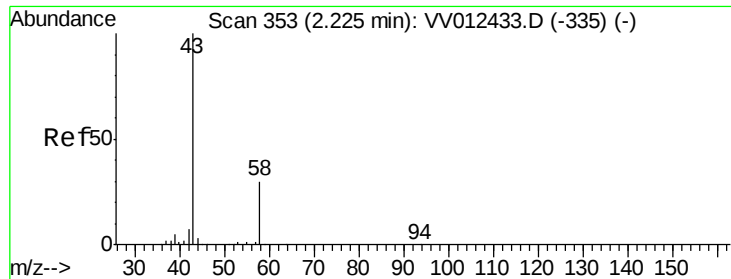
Ion Ratio Lower Upper

96 100

61 162.8 114.0 211.6

63 64.7 45.3 84.1





#13

Acetone

Concen: 79.468 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

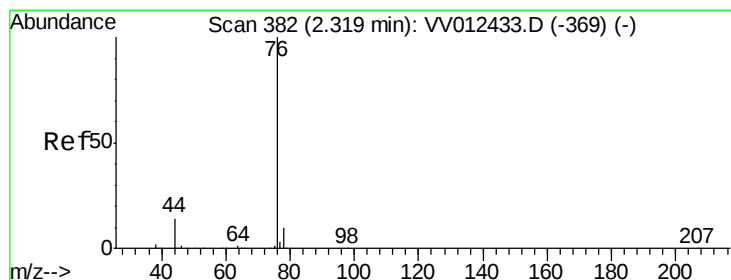
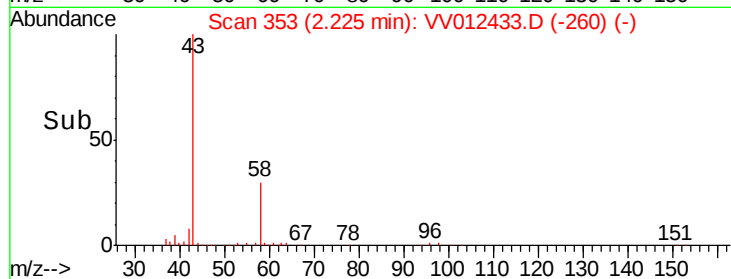
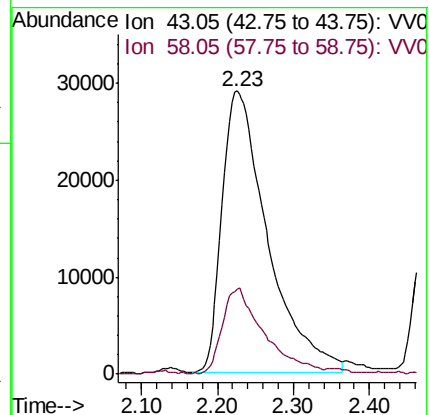
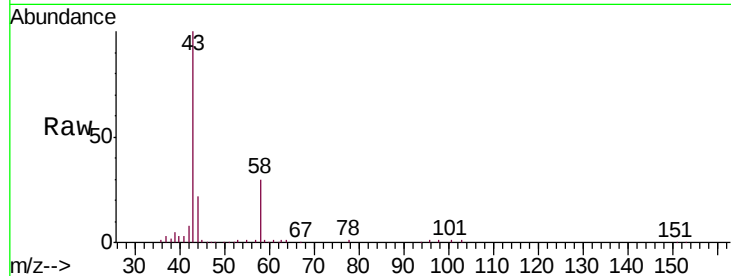
VSTD00536

Tgt Ion: 43 Resp: 121669

Ion Ratio Lower Upper

43 100

58 28.1 0.0 56.2



#14

Carbon disulfide

Concen: 7.363 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012433.D

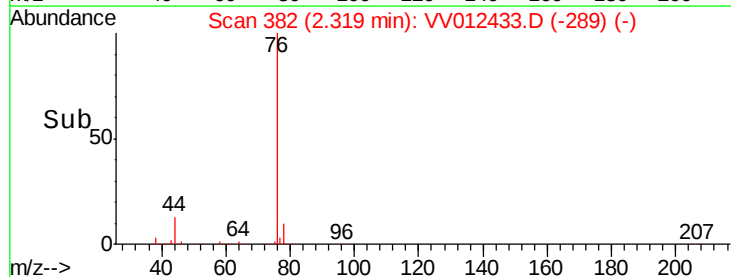
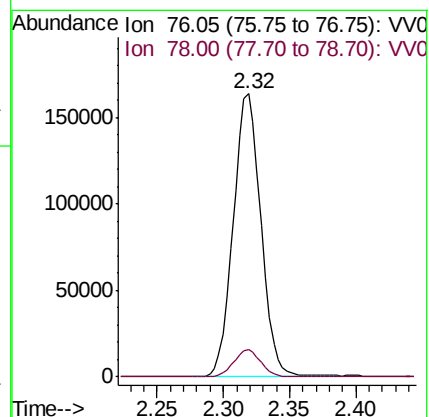
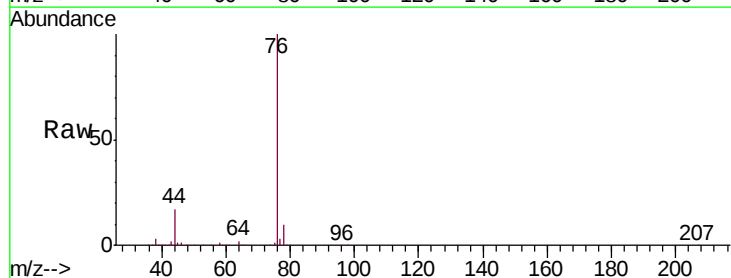
Acq: 28 Aug 2019 20:58

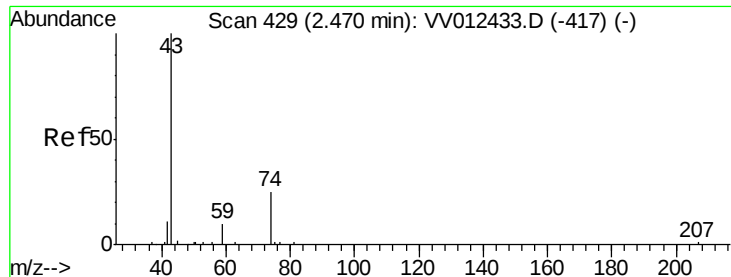
Tgt Ion: 76 Resp: 238538

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5

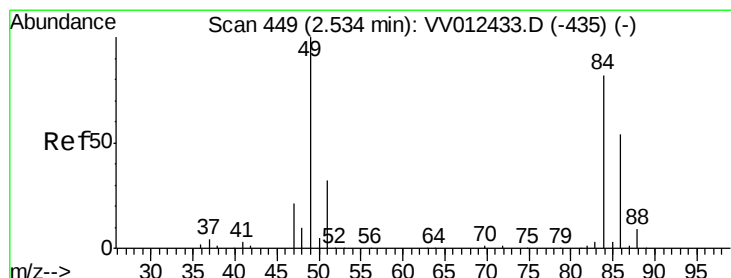
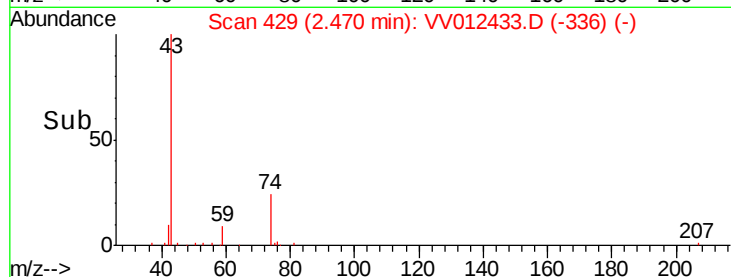
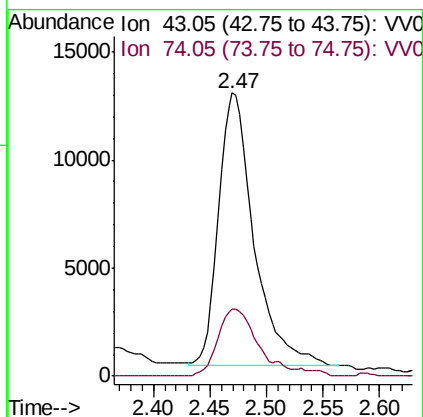
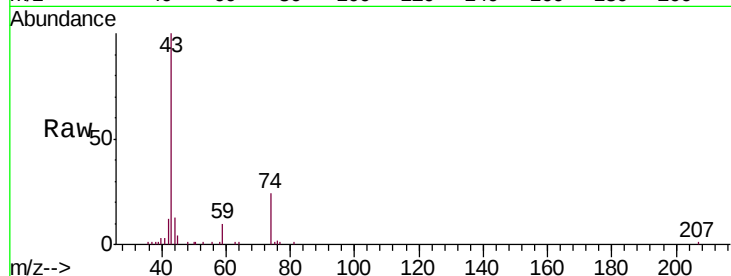




#15
Methyl Acetate
Concen: 7.285 ug/L
RT: 2.47 min Scan# 429
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

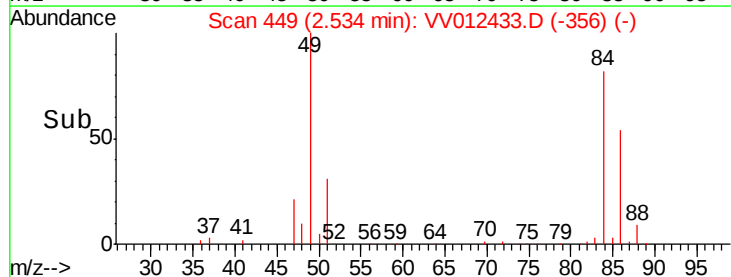
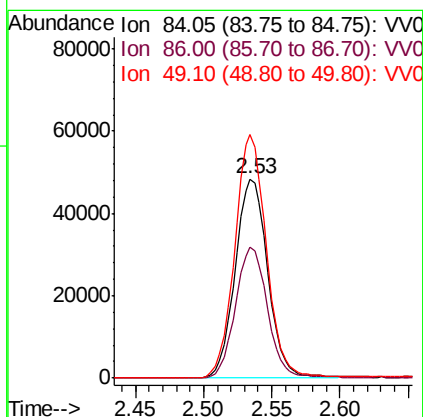
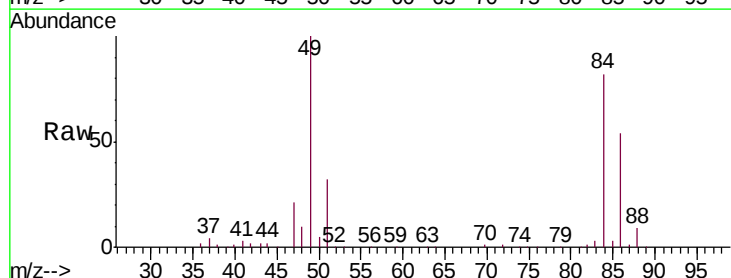
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

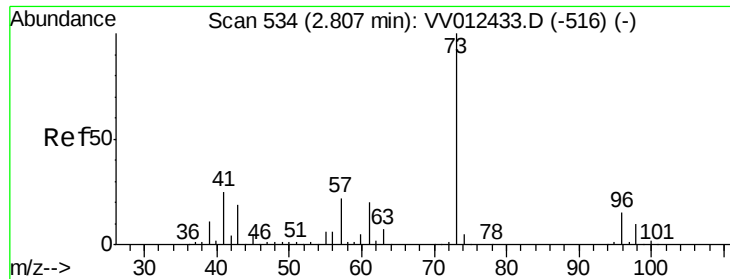
Tgt Ion: 43 Resp: 27708
Ion Ratio Lower Upper
43 100
74 27.1 21.7 32.5



#16
Methylene chloride
Concen: 7.039 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

Tgt Ion: 84 Resp: 80326
Ion Ratio Lower Upper
84 100
86 65.4 45.8 85.0
49 122.2 85.5 158.9

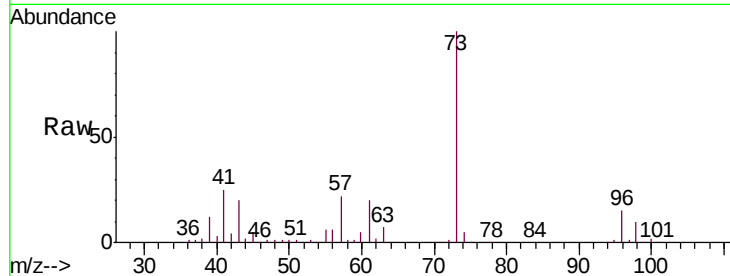




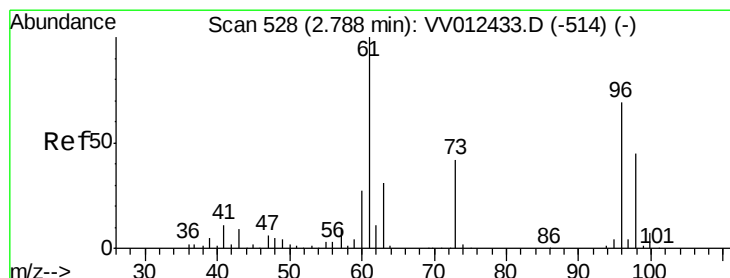
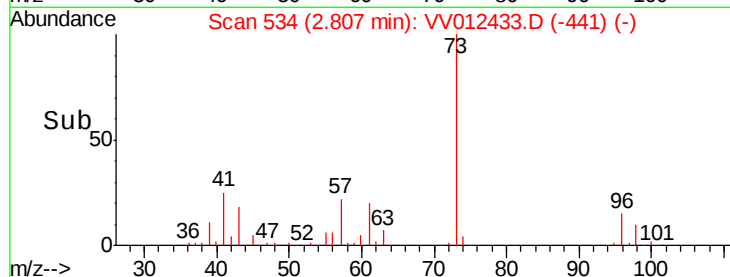
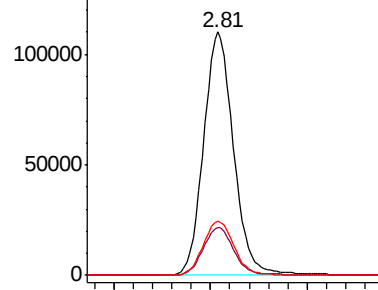
#17
Methyl tert-butyl Ether
Concen: 7.596 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

Tgt Ion: 73 Resp: 236640
Ion Ratio Lower Upper
73 100
43 19.9 15.9 23.9
57 23.2 18.6 27.8

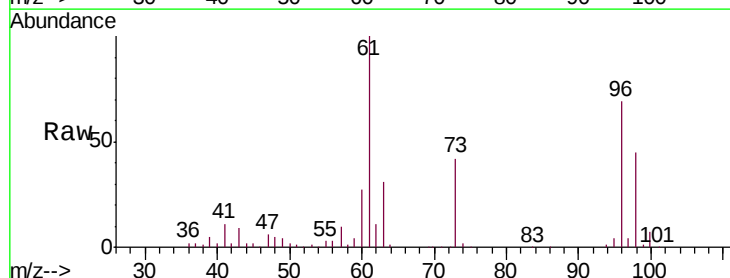


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

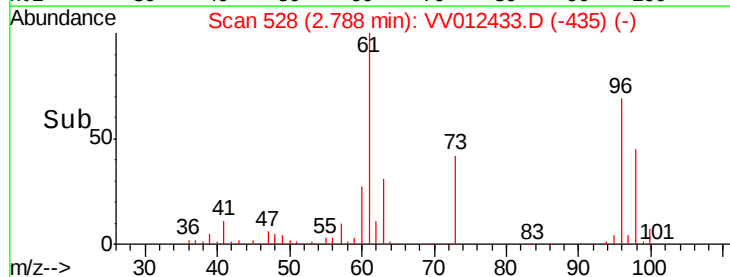
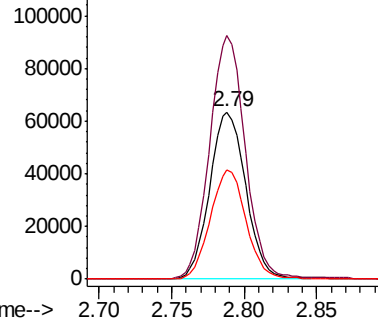


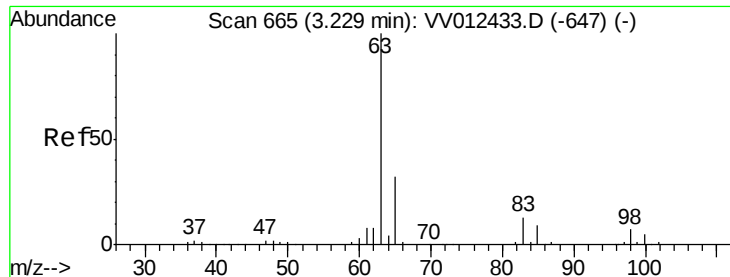
#18
trans-1,2-Dichloroethene
Concen: 7.293 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

Tgt Ion: 96 Resp: 110164
Ion Ratio Lower Upper
96 100
61 145.8 102.1 189.5
98 65.4 45.8 85.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

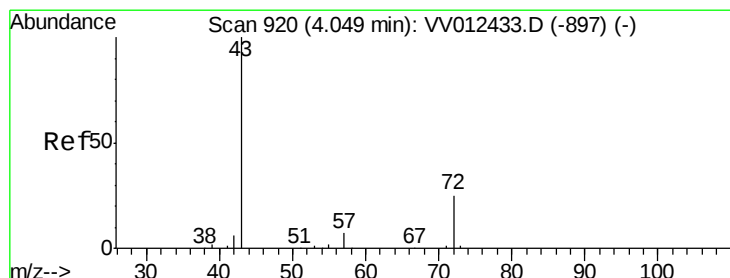
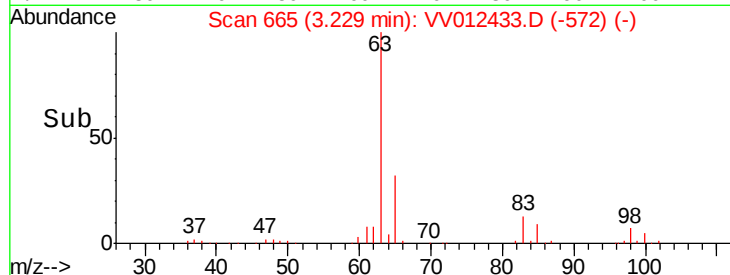
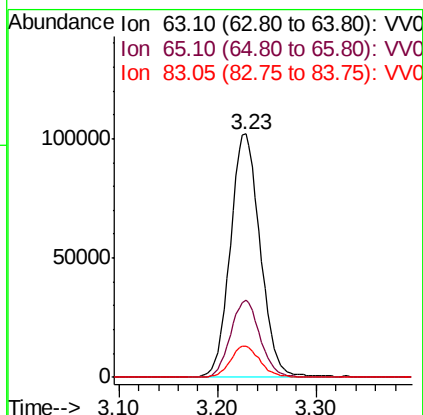
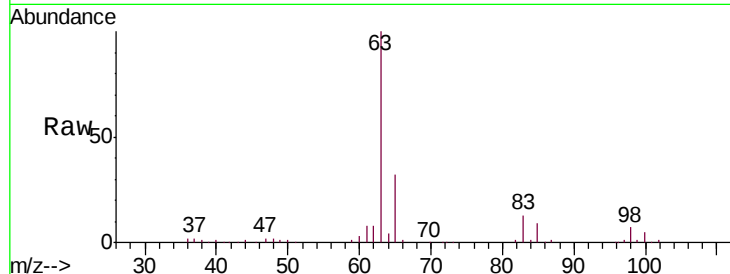




#19
 1,1-Dichloroethane
 Concen: 7.544 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

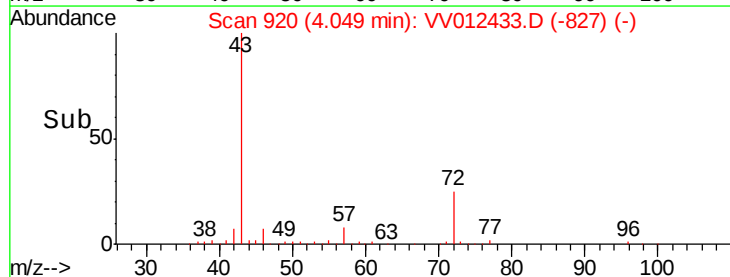
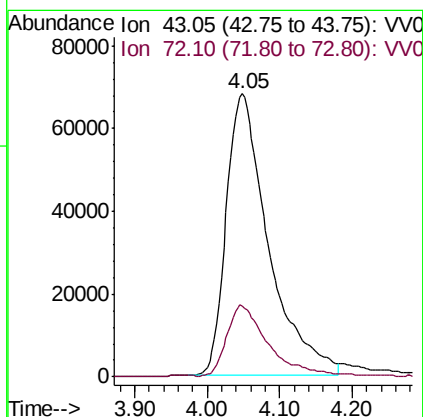
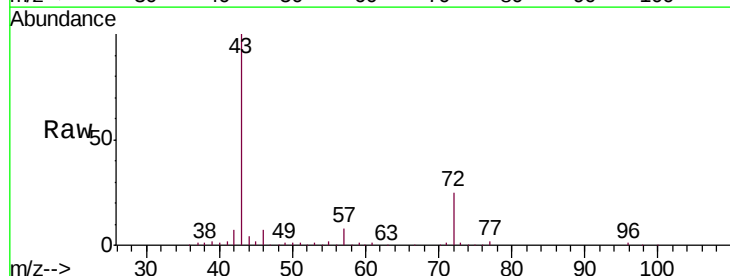
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

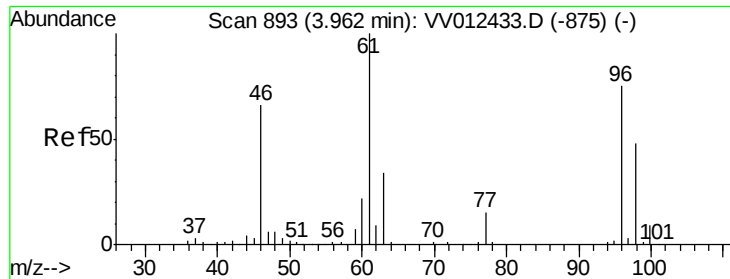
Tgt Ion: 63 Resp: 215556
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.2 41.2
 83 12.9 9.0 16.8



#21
 2-Butanone
 Concen: 77.768 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Tgt Ion: 43 Resp: 276320
 Ion Ratio Lower Upper
 43 100
 72 24.4 12.2 36.6



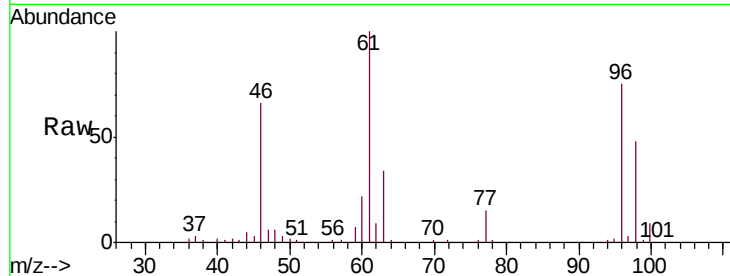


#22

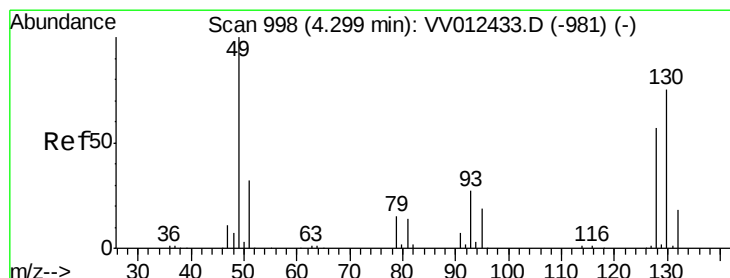
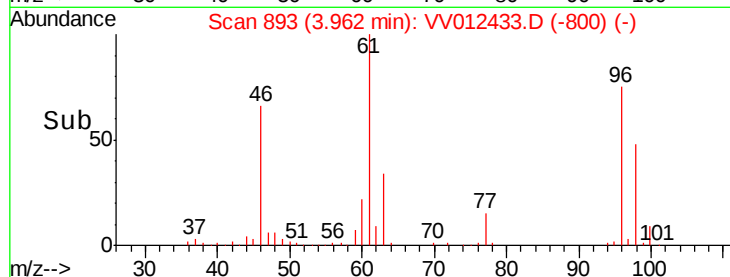
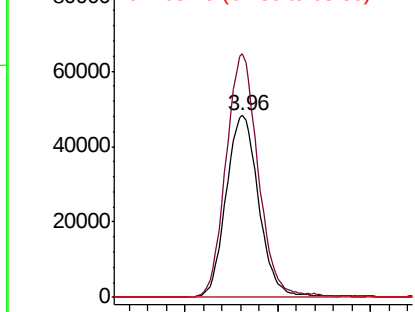
cis-1,2-Dichloroethene
 Concen: 7.156 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tgt Ion: 96 Resp: 117893
 Ion Ratio Lower Upper
 96 100
 61 133.8 93.7 173.9
 68 0.0 0.0 0.0



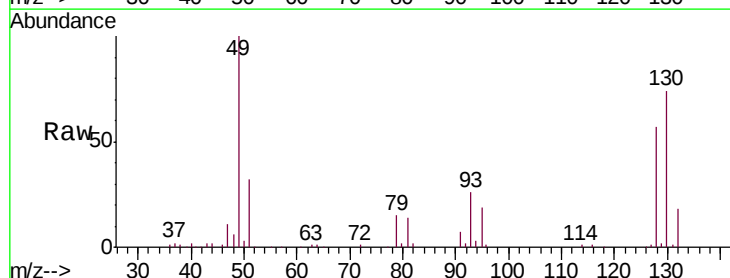
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



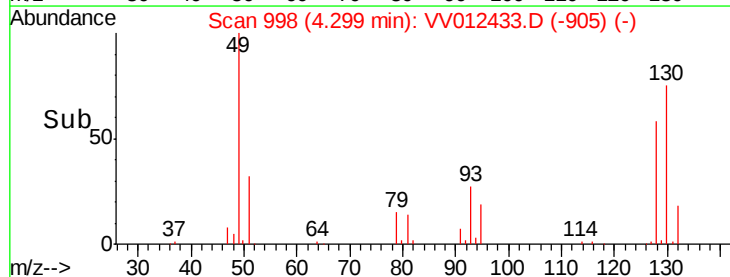
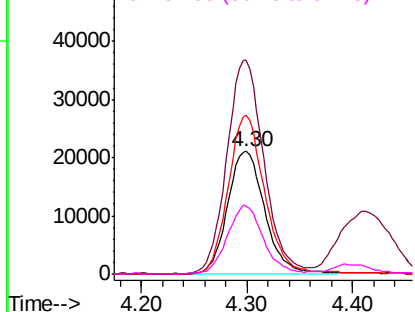
#23

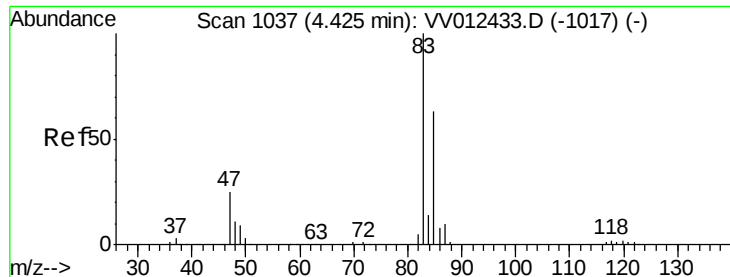
Bromochloromethane
 Concen: 7.411 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Tgt Ion: 128 Resp: 51512
 Ion Ratio Lower Upper
 128 100
 49 174.5 122.2 226.9
 130 129.8 90.9 168.7
 51 55.7 44.6 66.8



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

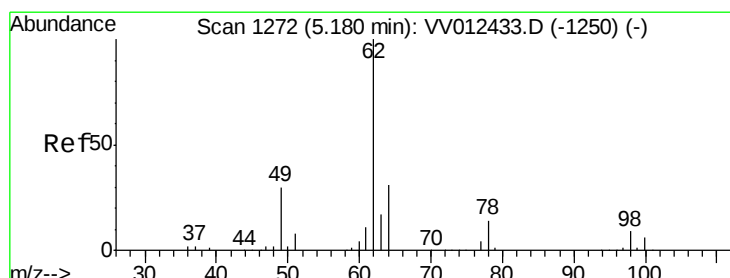
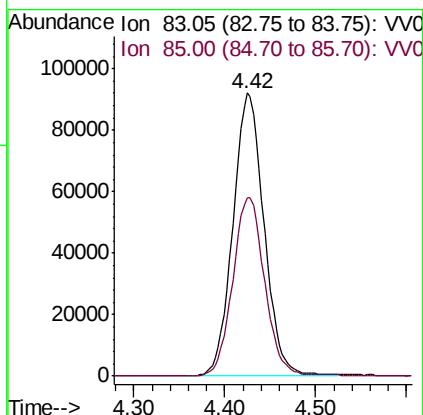
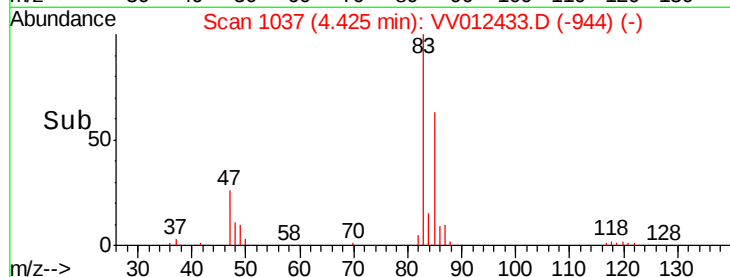
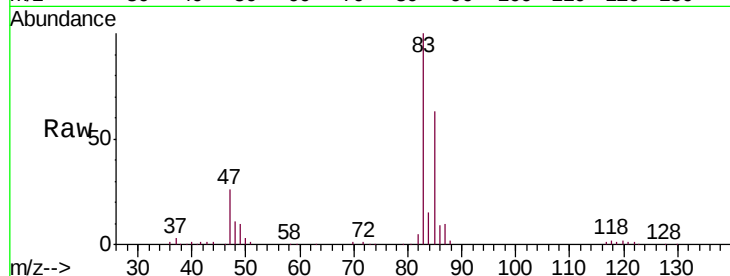




#25
Chloroform
Concen: 6.974 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

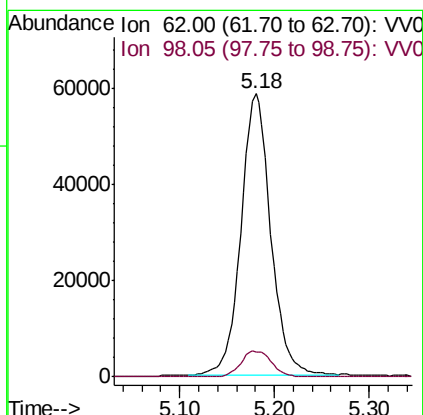
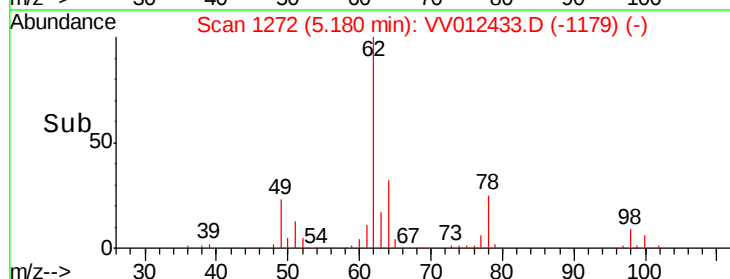
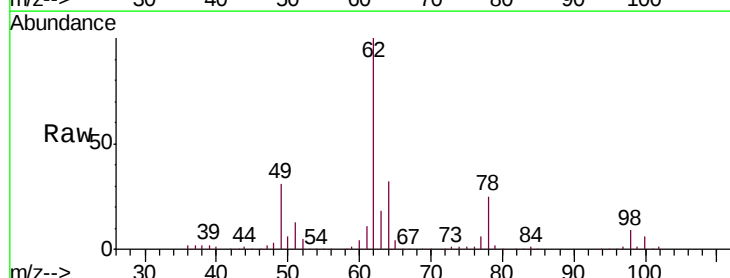
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

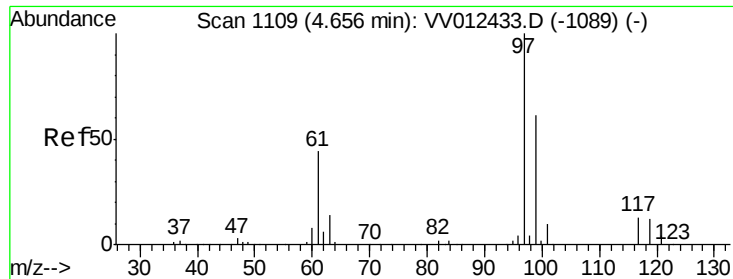
Tgt Ion: 83 Resp: 218891
Ion Ratio Lower Upper
83 100
85 63.2 44.2 82.2



#27
1,2-Dichloroethane
Concen: 7.590 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

Tgt Ion: 62 Resp: 128253
Ion Ratio Lower Upper
62 100
98 8.9 7.1 10.7

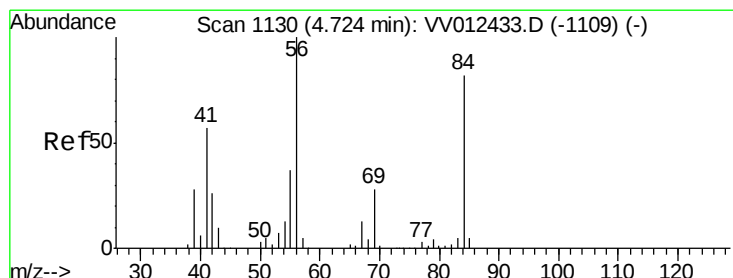
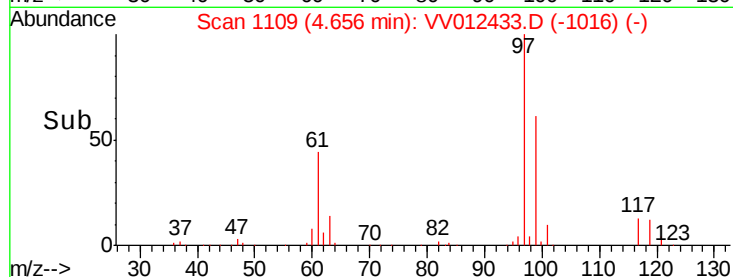
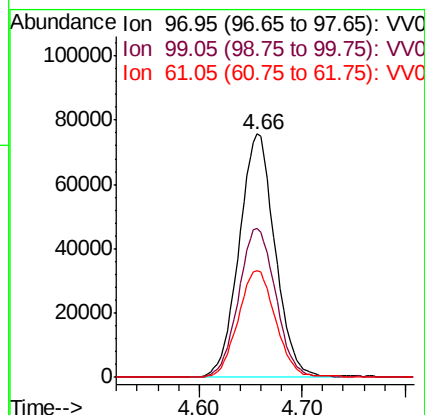
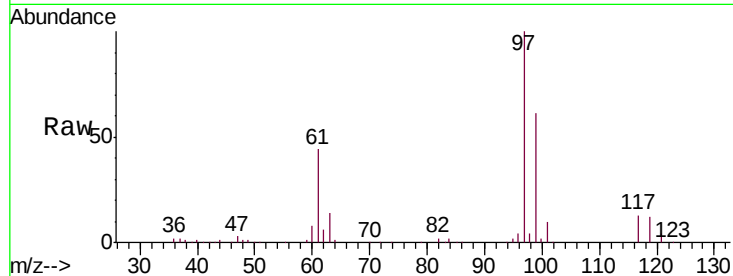




#29
 1,1,1-Trichloroethane
 Concen: 7.339 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

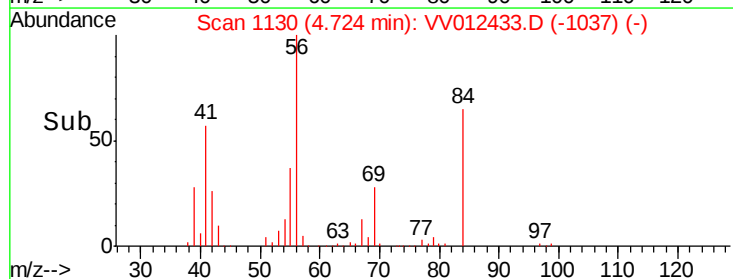
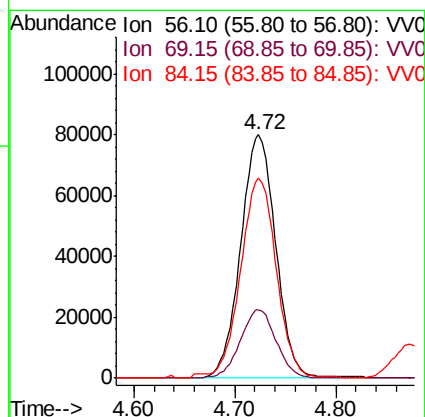
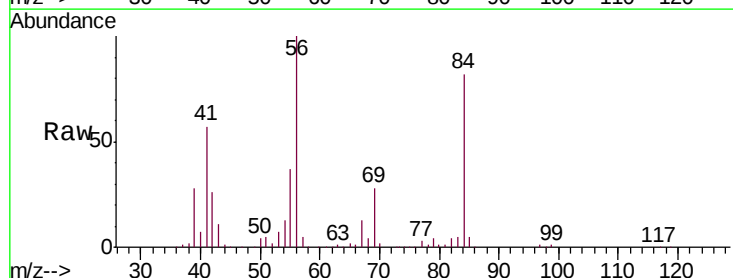
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

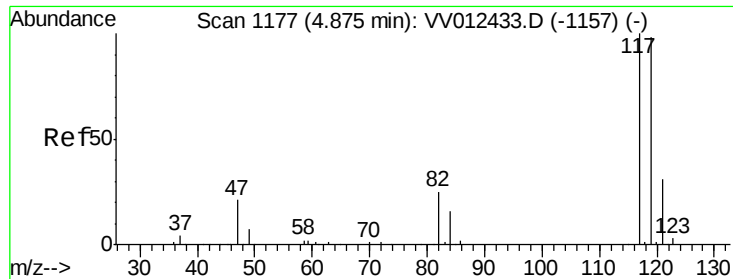
Tgt Ion: 97 Resp: 183068
 Ion Ratio Lower Upper
 97 100
 99 63.1 50.5 75.7
 61 45.0 36.0 54.0



#30
 Cyclohexane
 Concen: 7.428 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Tgt Ion: 56 Resp: 192501
 Ion Ratio Lower Upper
 56 100
 69 28.7 23.0 34.4
 84 84.1 67.3 100.9

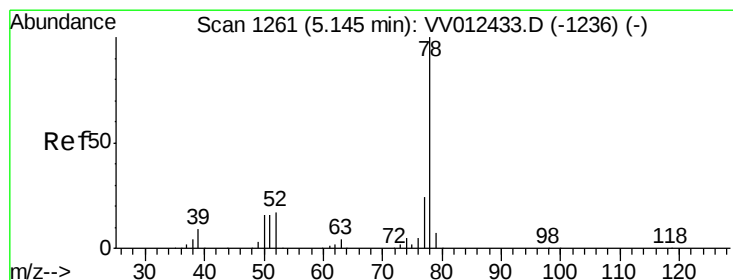
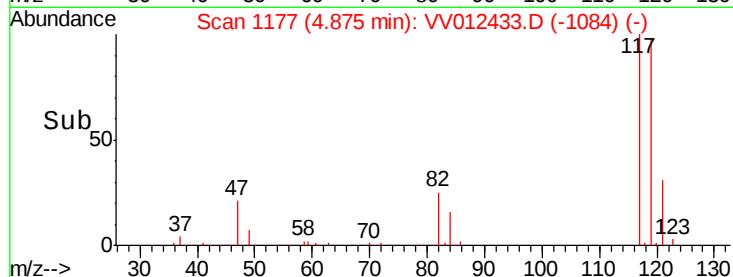
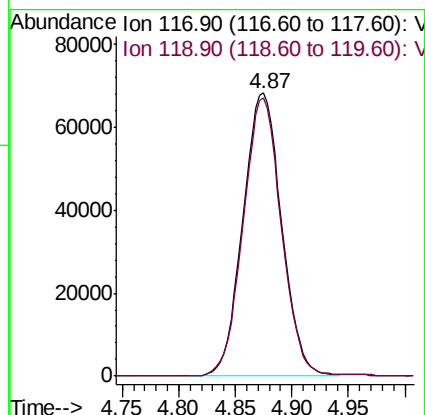
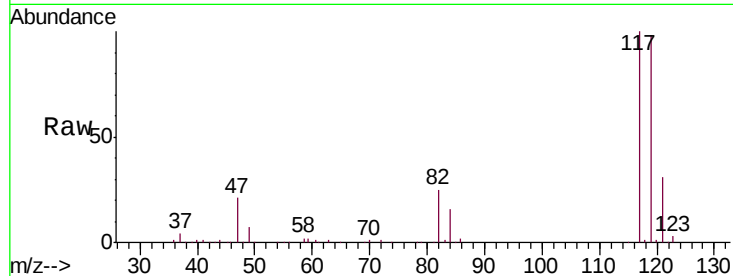




#31
Carbon tetrachloride
Concen: 7.352 ug/L
RT: 4.87 min Scan# 1177
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

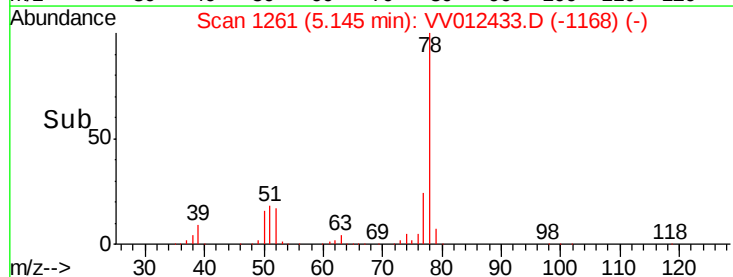
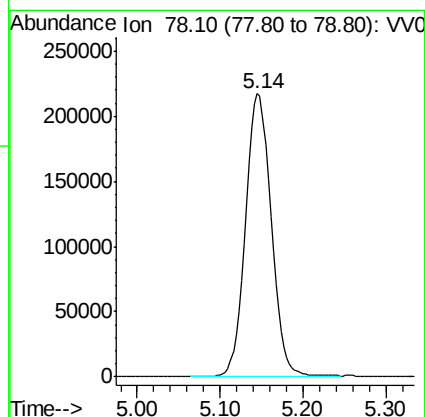
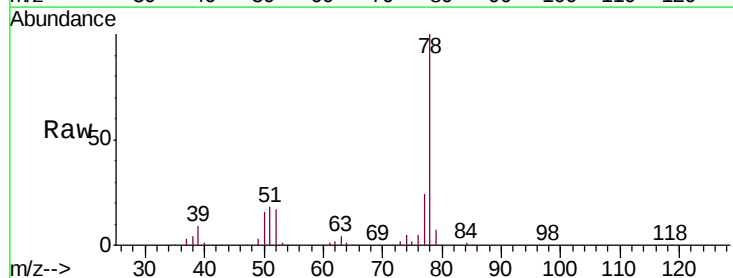
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

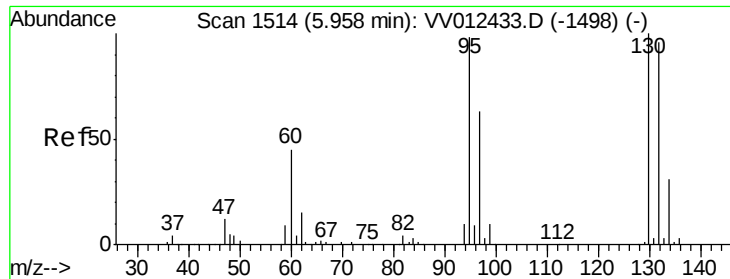
Tgt Ion:117 Resp: 162137
Ion Ratio Lower Upper
117 100
119 97.1 77.7 116.5



#33
Benzene
Concen: 7.405 ug/L
RT: 5.14 min Scan# 1261
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

Tgt Ion: 78 Resp: 470796





#34

Trichloroethene

Concen: 7.022 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

Tgt Ion: 95 Resp: 118919

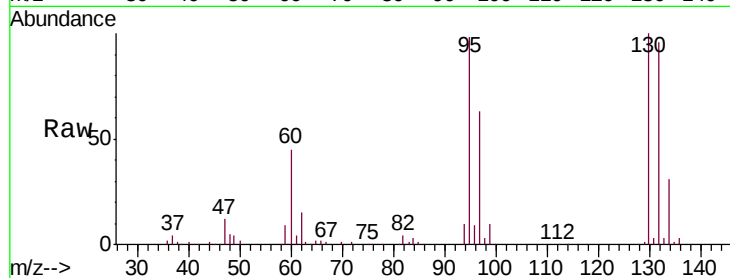
Ion Ratio Lower Upper

95 100

97 64.5 45.1 83.9

132 97.7 68.4 127.0

130 102.2 71.5 132.9

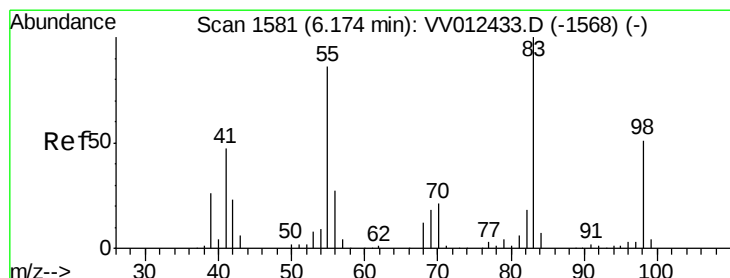
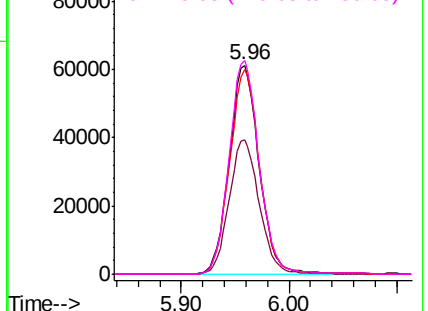
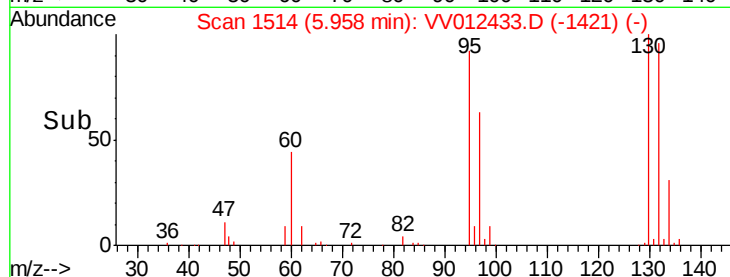


Abundance Ion 95.00 (94.70 to 95.70): VV012433.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV012433.D (-1498) (-)

Ion 131.95 (131.65 to 132.65): VV012433.D (-1498) (-)

Ion 129.95 (129.65 to 130.65): VV012433.D (-1498) (-)



#35

Methylcyclohexane

Concen: 7.132 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

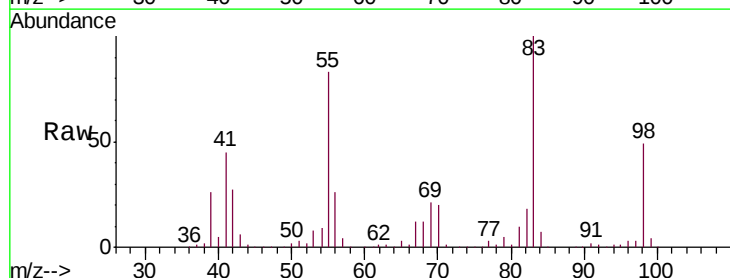
Tgt Ion: 83 Resp: 191716

Ion Ratio Lower Upper

83 100

55 82.5 66.0 99.0

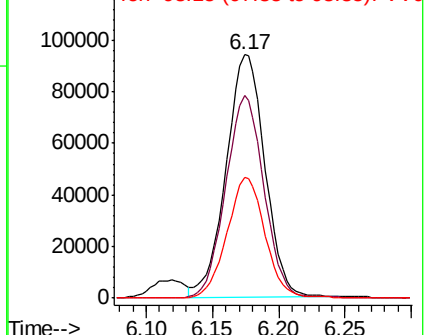
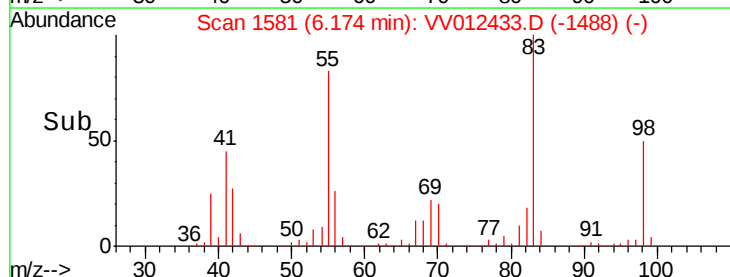
98 48.7 39.0 58.4

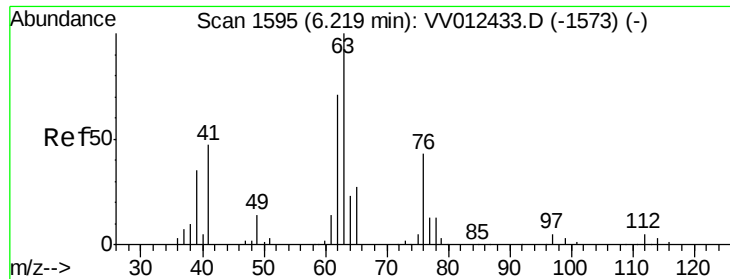


Abundance Ion 83.15 (82.85 to 83.85): VV012433.D (-1568) (-)

Ion 55.10 (54.80 to 55.80): VV012433.D (-1568) (-)

Ion 98.15 (97.85 to 98.85): VV012433.D (-1568) (-)

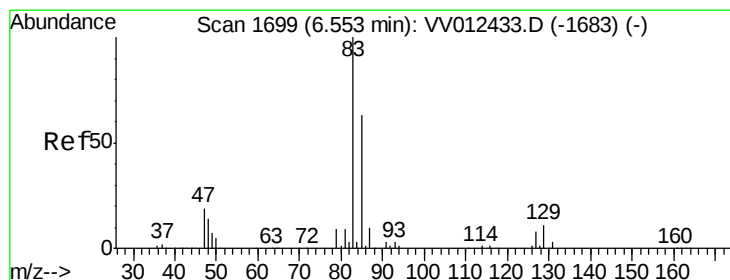
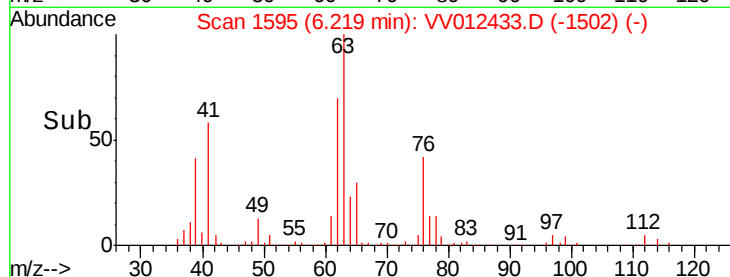
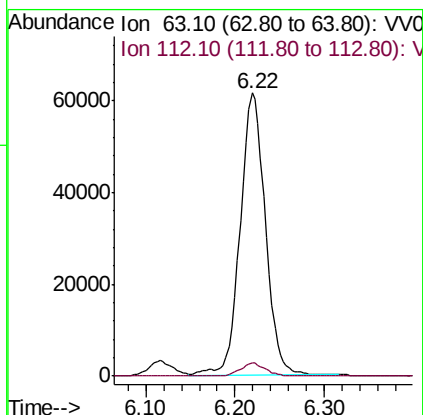
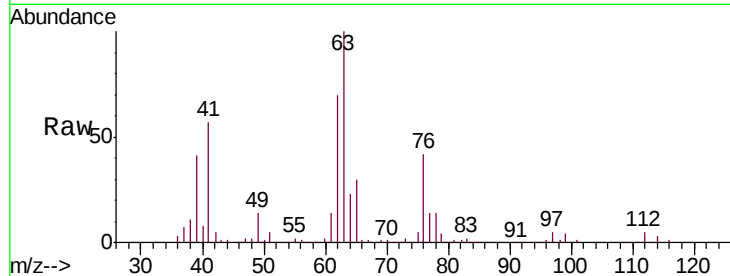




#37
 1,2-Dichloropropane
 Concen: 7.444 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

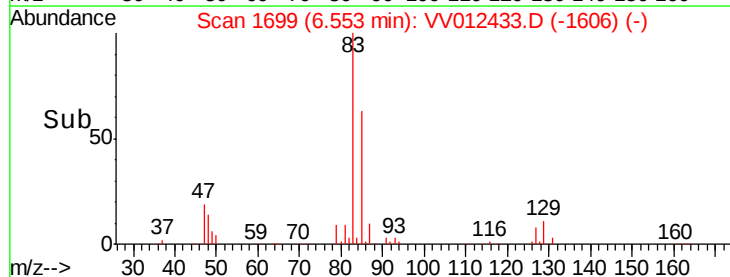
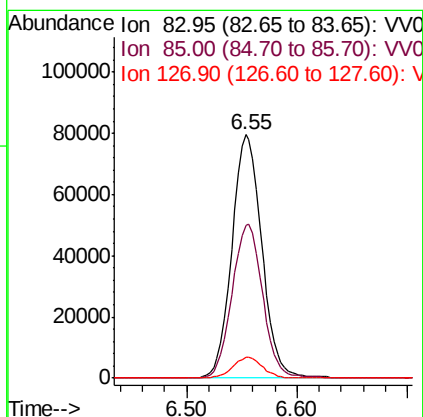
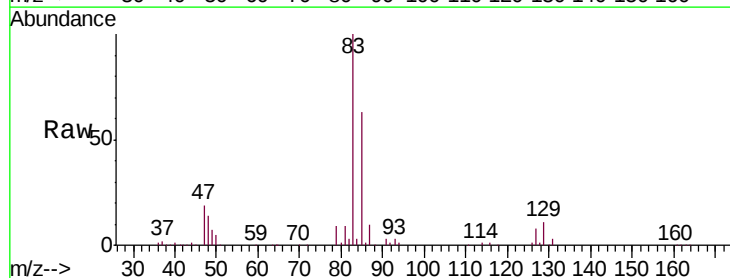
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

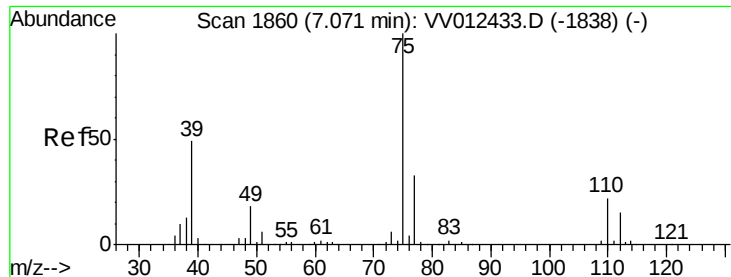
Tgt Ion: 63 Resp: 120606
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.6



#38
 Bromodichloromethane
 Concen: 7.456 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Tgt Ion: 83 Resp: 149445
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.1 81.9
 127 8.4 6.7 10.1

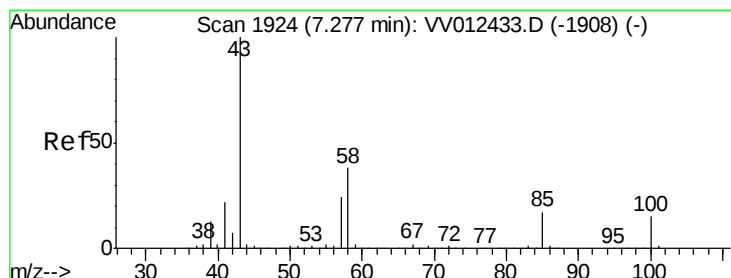
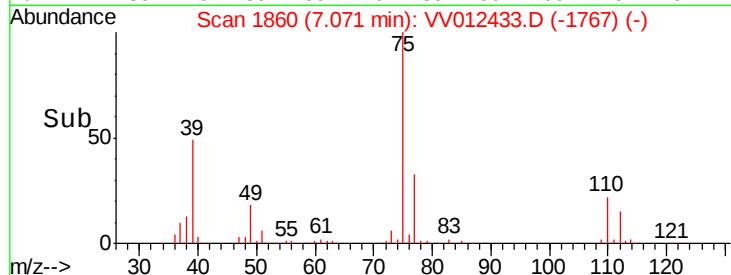
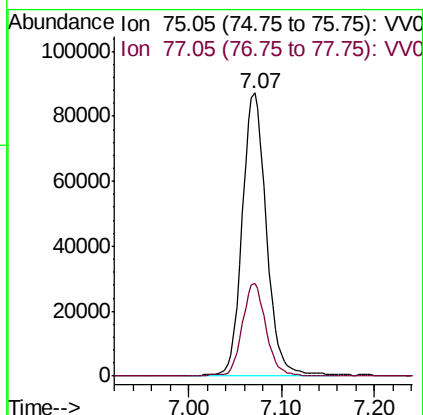
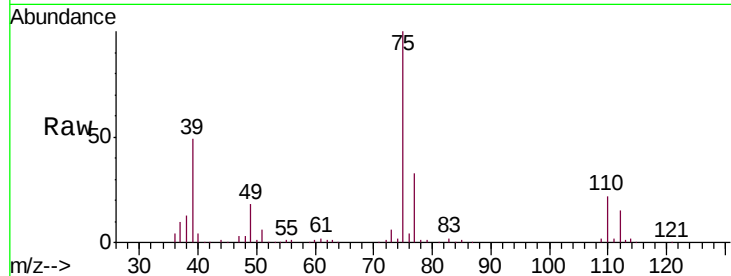




#39
 cis-1,3-Dichloropropene
 Concen: 7.257 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

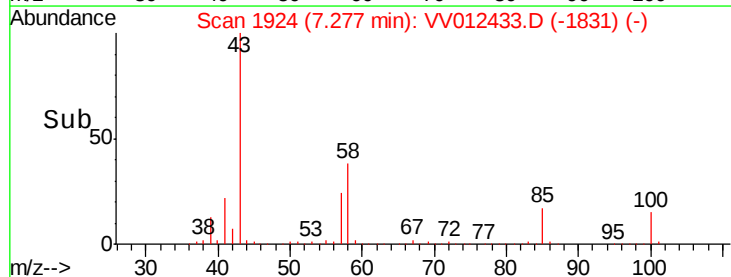
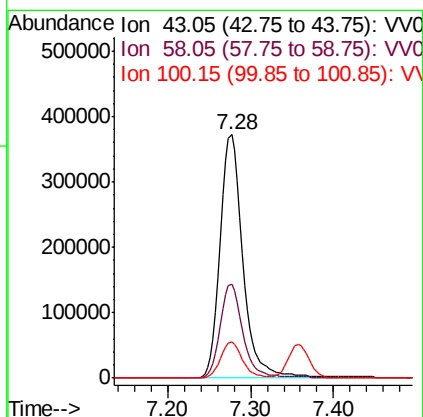
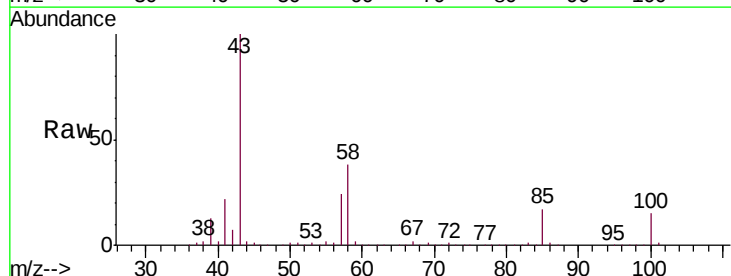
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

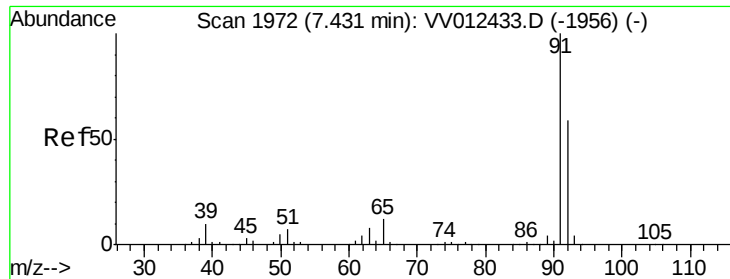
Tgt Ion: 75 Resp: 158543
 Ion Ratio Lower Upper
 75 100
 77 32.9 23.0 42.8



#40
 4-Methyl-2-pentanone
 Concen: 79.770 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Tgt Ion: 43 Resp: 710166
 Ion Ratio Lower Upper
 43 100
 58 38.5 30.8 46.2
 100 14.2 11.4 17.0





#42

Toluene

Concen: 7.600 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

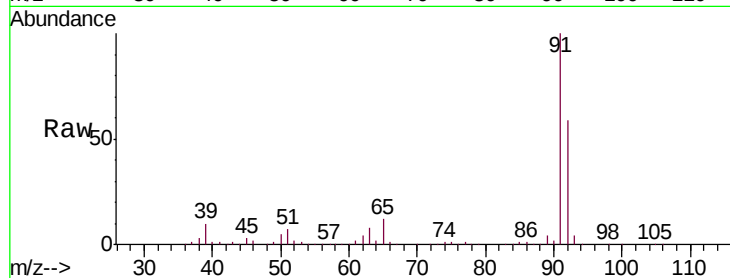
VSTD00536

Tgt Ion: 91 Resp: 496684

Ion Ratio Lower Upper

91 100

92 59.3 41.5 77.1



Abundance Ion 91.15 (90.85 to 91.85): VV012433.D (-1956) (-)

Ion 92.15 (91.85 to 92.85): VV012433.D (-1956) (-)

7.43

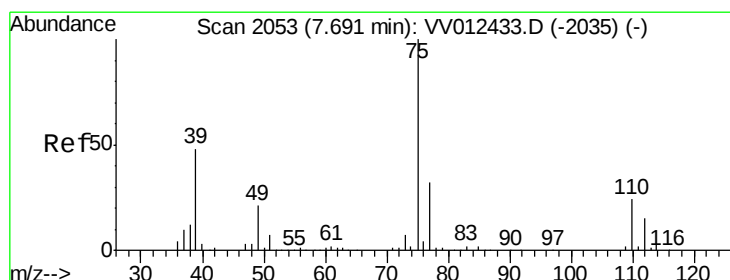
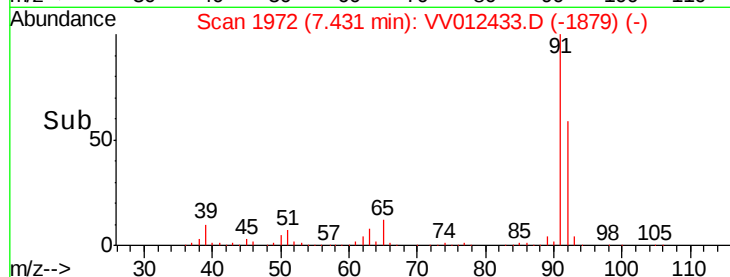
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 7.346 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV012433.D

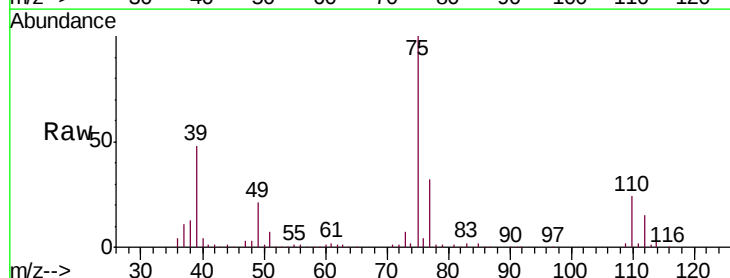
Acq: 28 Aug 2019 20:58

Tgt Ion: 75 Resp: 120090

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV012433.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV012433.D (-2035) (-)

7.69

80000

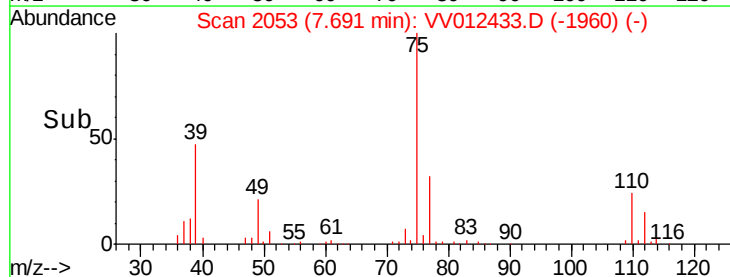
60000

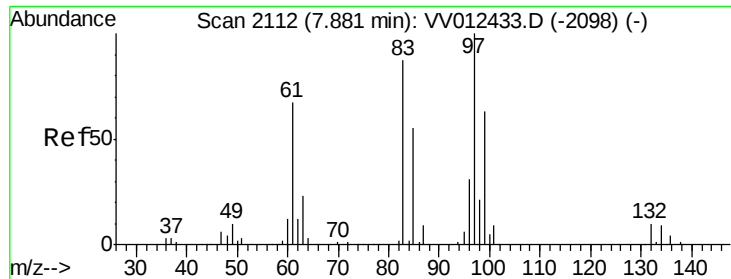
40000

20000

0

Time-->

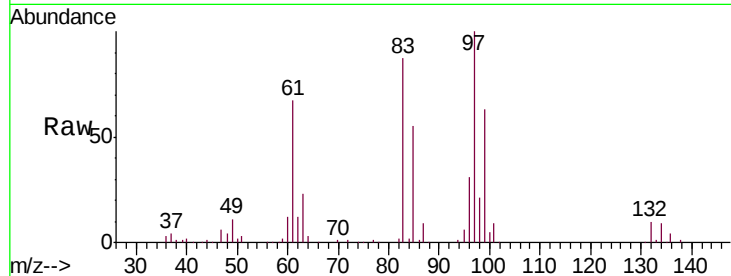




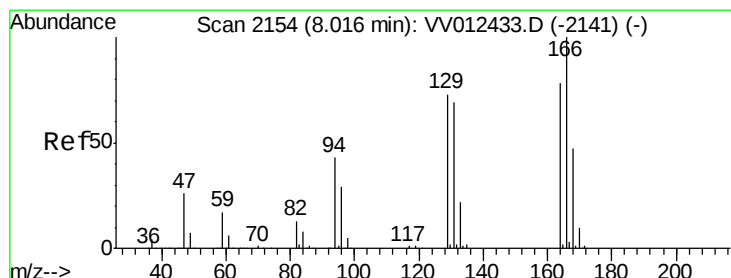
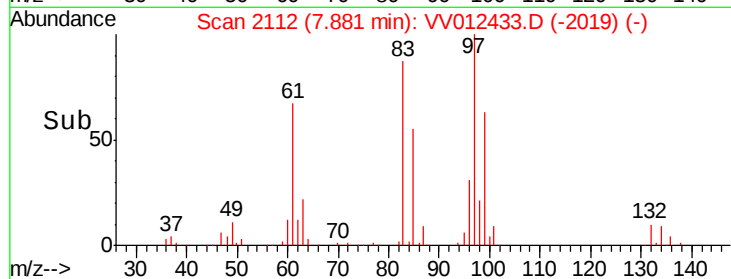
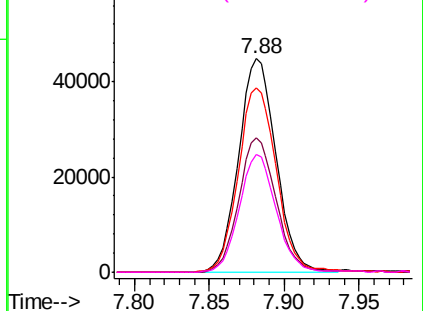
#45
 1,1,2-Trichloroethane
 Concen: 7.447 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tgt Ion:	97	Resp:	78189
Ion	Ratio	Lower	Upper
97	100		
99	63.2	44.2	82.2
83	86.6	60.6	112.6
85	55.4	38.8	72.0

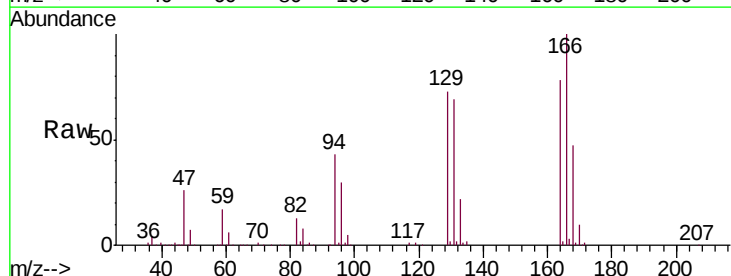


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

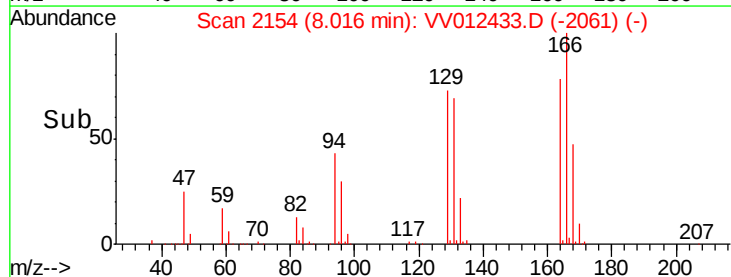
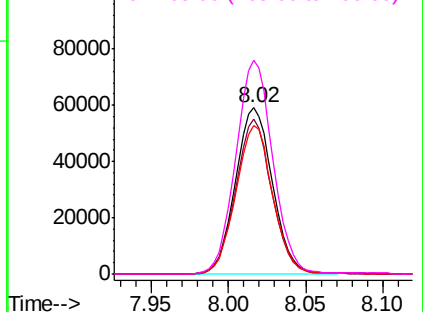


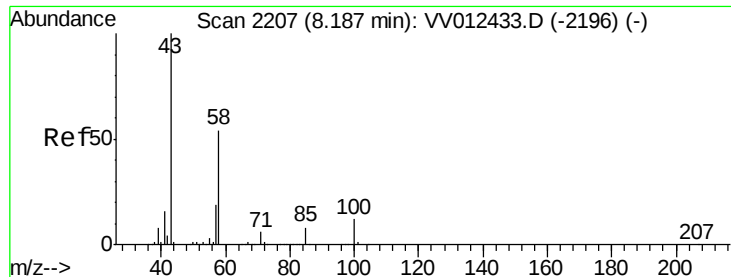
#47
 Tetrachloroethene
 Concen: 7.161 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Tgt Ion:	164	Resp:	98336
Ion	Ratio	Lower	Upper
164	100		
129	93.4	65.4	121.4
131	89.5	62.6	116.3
166	128.8	90.2	167.4



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

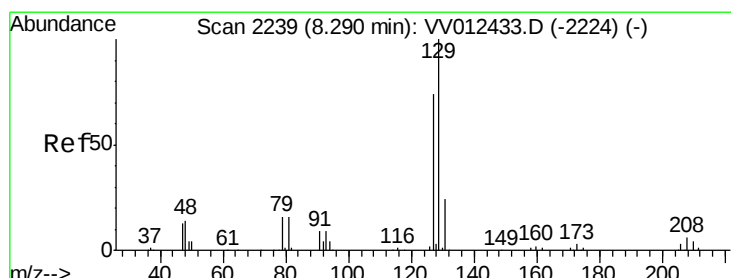
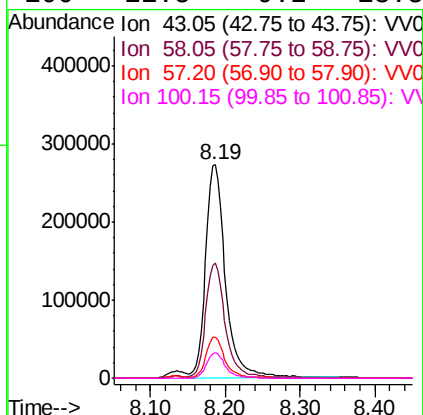
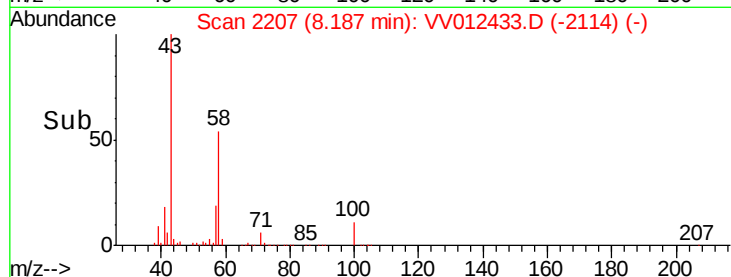
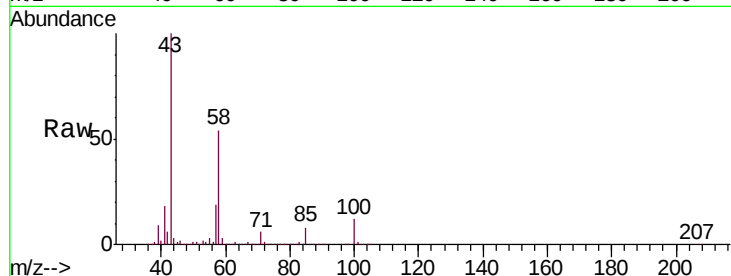




#48
2-Hexanone
Concen: 79.109 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

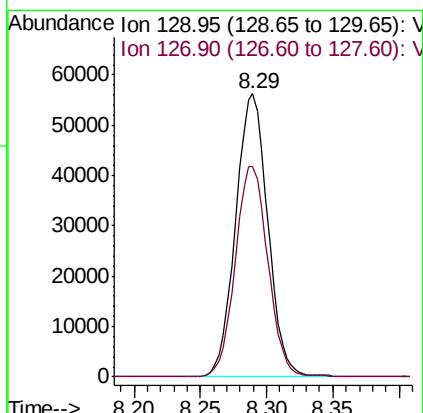
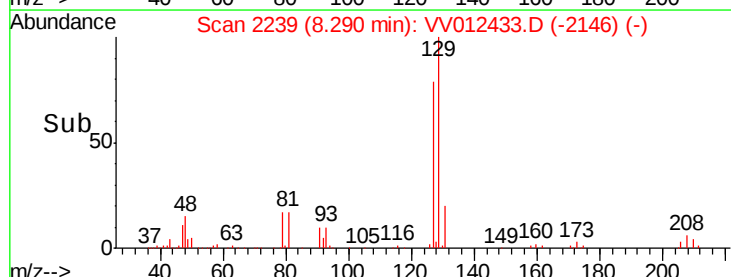
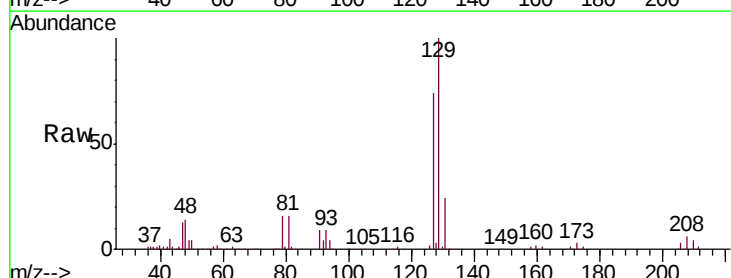
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

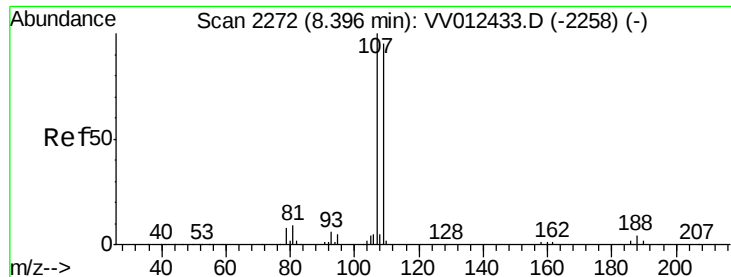
Tgt Ion: 43 Resp: 504047
Ion Ratio Lower Upper
43 100
58 53.4 42.7 64.1
57 18.4 14.7 22.1
100 11.5 9.2 13.8



#49
Dibromochloromethane
Concen: 7.523 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

Tgt Ion: 129 Resp: 95014
Ion Ratio Lower Upper
129 100
127 74.5 52.1 96.9

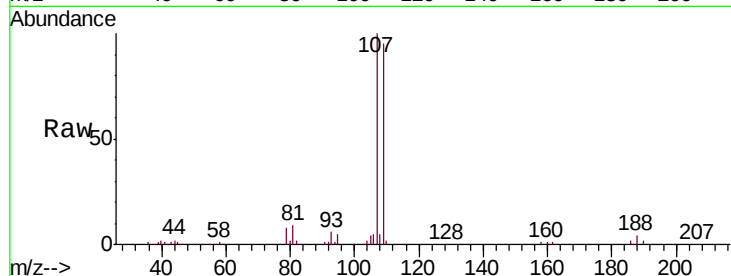




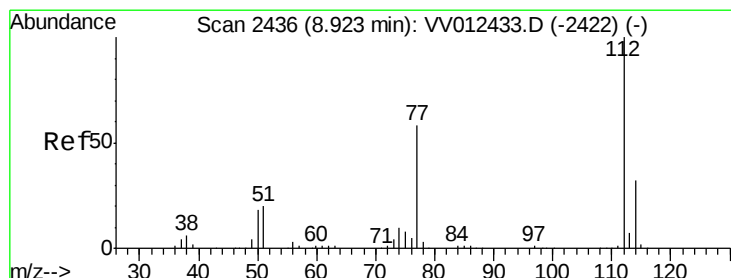
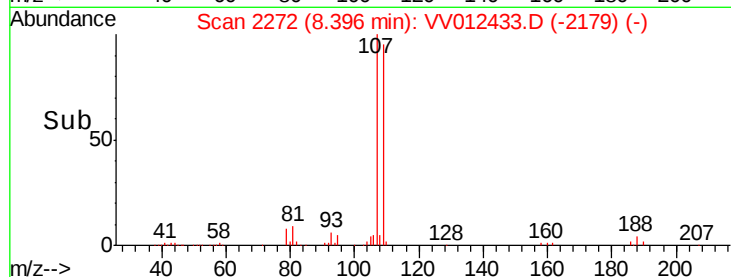
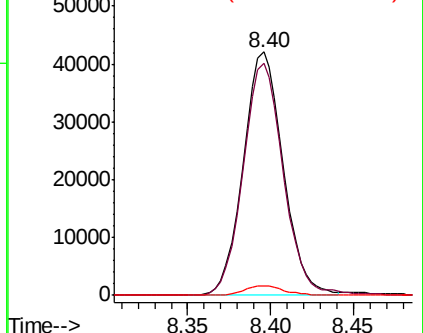
#50
 1,2-Dibromoethane
 Concen: 7.179 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tgt Ion:107 Resp: 70335
 Ion Ratio Lower Upper
 107 100
 109 95.1 66.6 123.6
 188 3.9 3.1 4.7

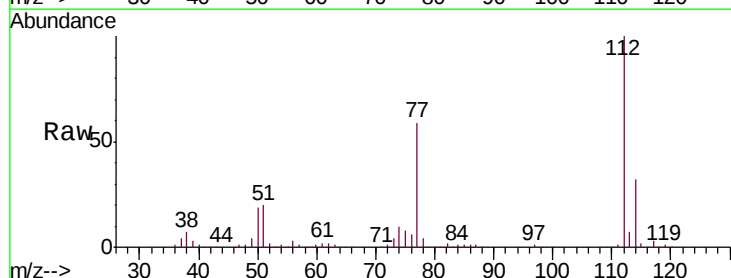


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

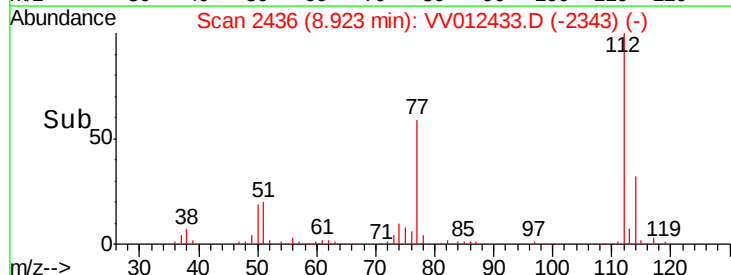
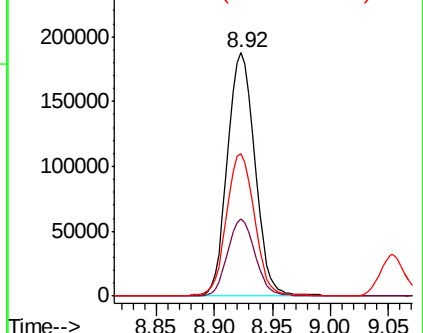


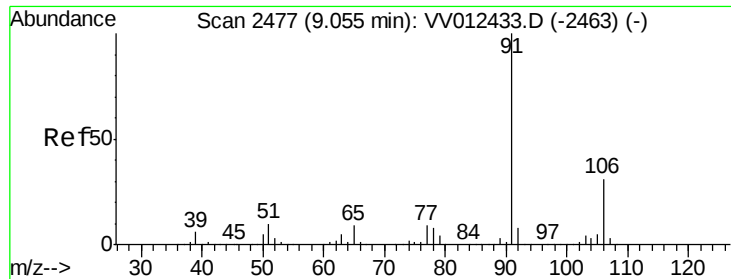
#51
 Chlorobenzene
 Concen: 7.250 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Tgt Ion:112 Resp: 307726
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.2 41.2
 77 58.6 46.9 70.3



Abundance Ion 112.10 (111.80 to 112.80): V
 Ion 114.05 (113.75 to 114.75): V
 Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 7.586 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

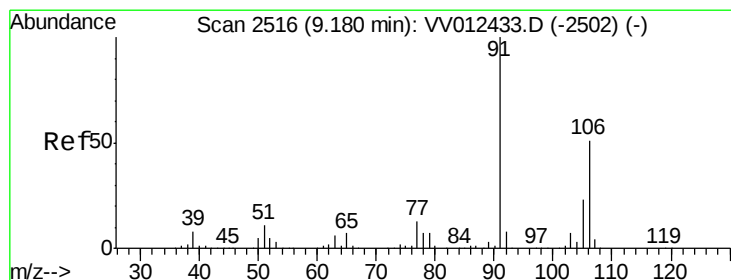
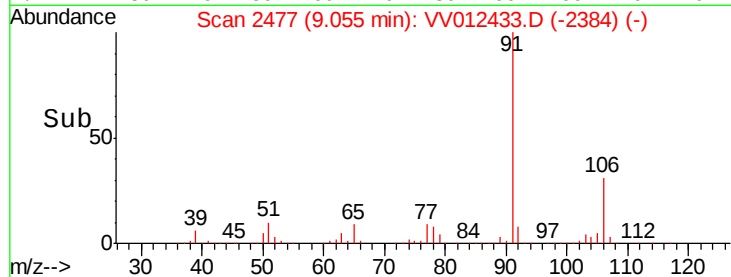
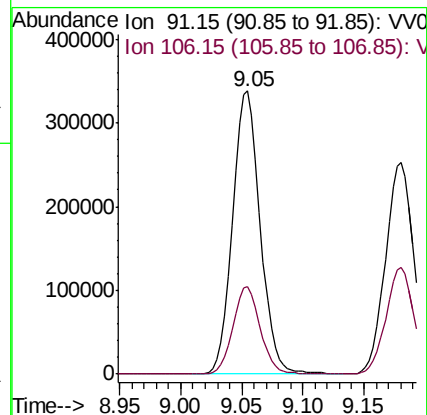
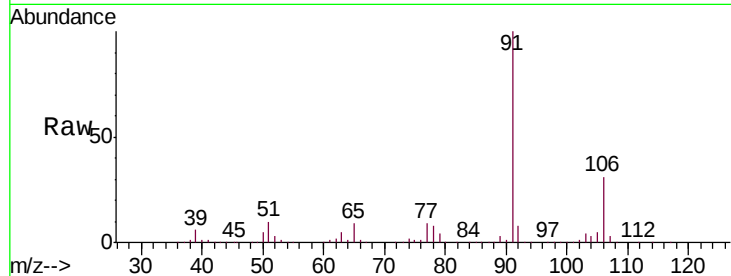
VSTD00536

Tgt Ion: 91 Resp: 535582

Ion Ratio Lower Upper

91 100

106 30.8 21.6 40.0



#53

m,p-xylene

Concen: 7.722 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV012433.D

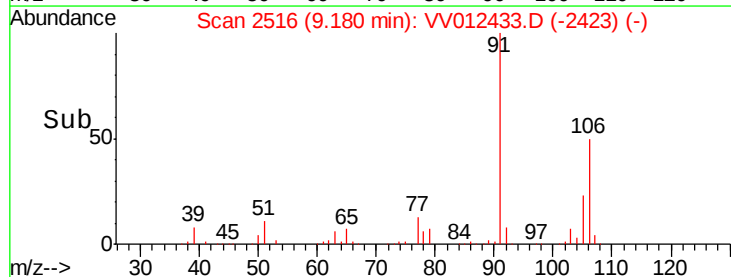
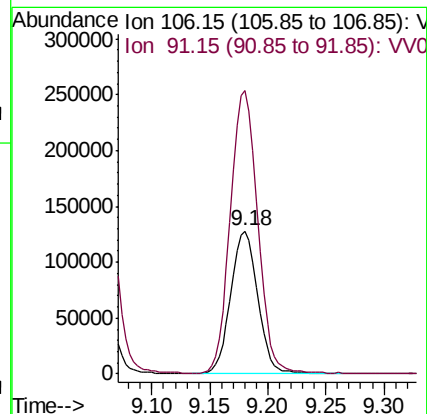
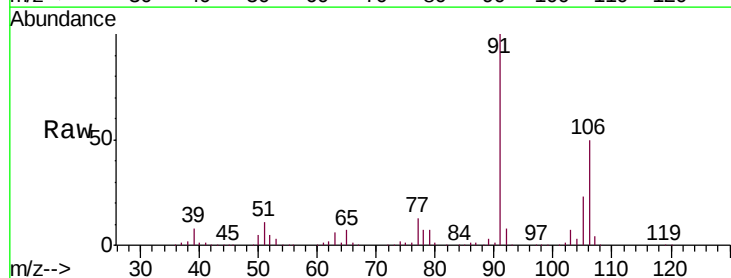
Acq: 28 Aug 2019 20:58

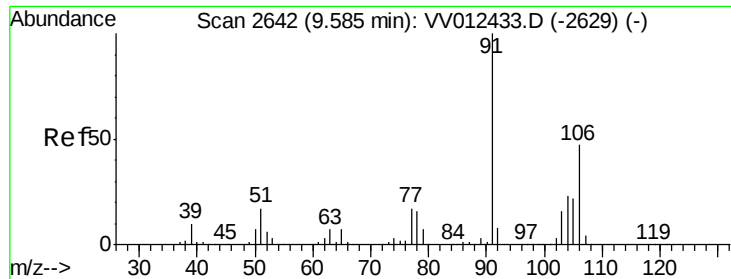
Tgt Ion: 106 Resp: 205694

Ion Ratio Lower Upper

106 100

91 198.2 138.7 257.7

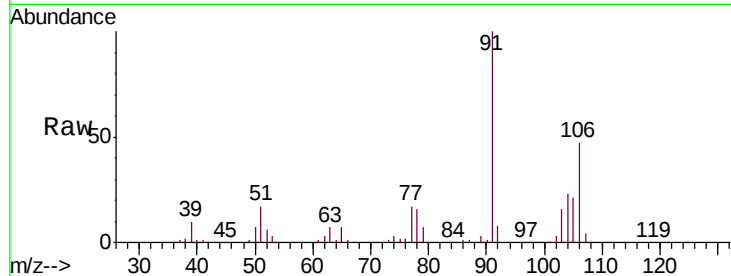




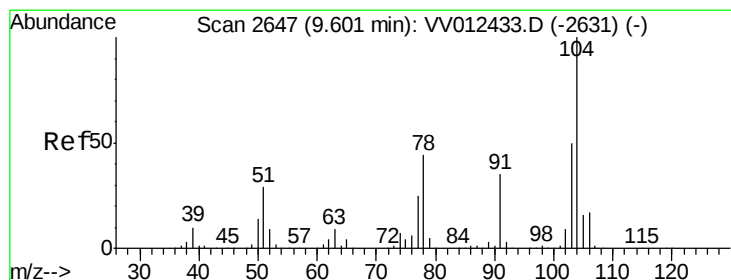
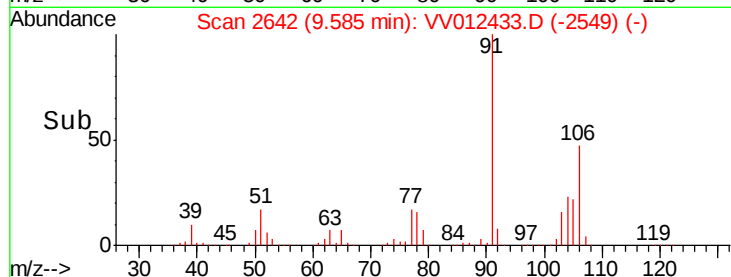
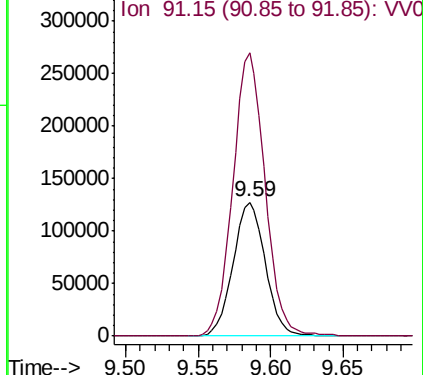
#54
o-xylene
Concen: 7.758 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

Tgt Ion:106 Resp: 196651
Ion Ratio Lower Upper
106 100
91 211.9 148.3 275.5

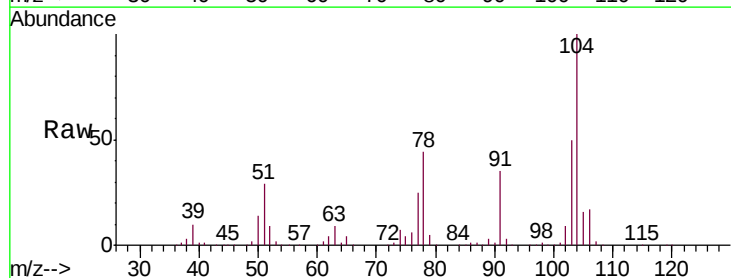


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

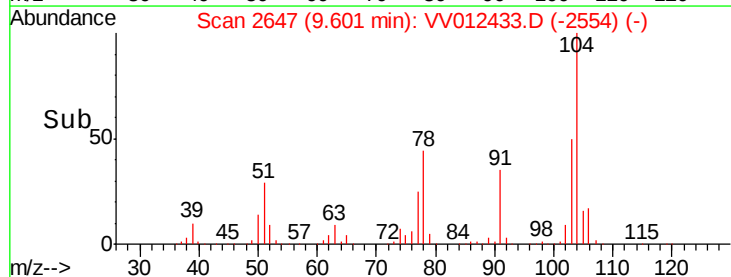
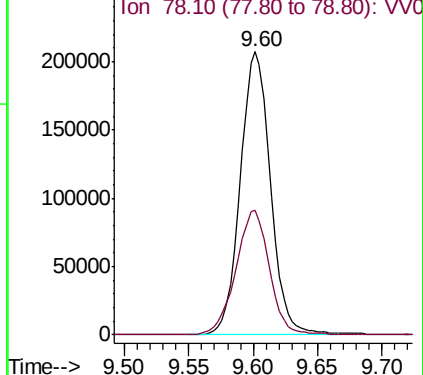


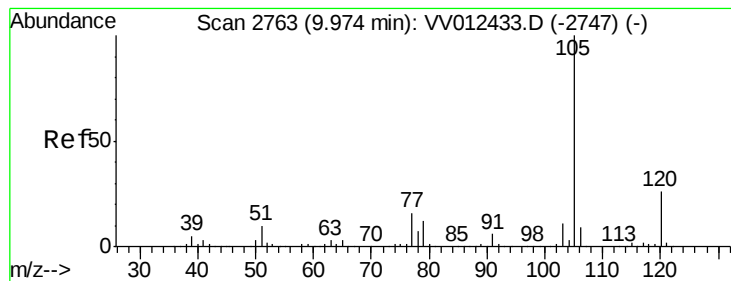
#55
Styrene
Concen: 7.969 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. 0.00 min
Lab File: VV012433.D
Acq: 28 Aug 2019 20:58

Tgt Ion:104 Resp: 339095
Ion Ratio Lower Upper
104 100
78 44.0 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 7.676 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

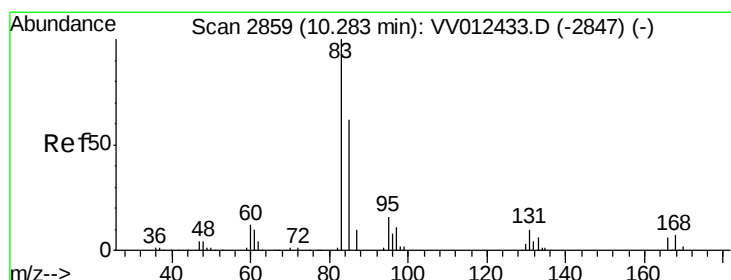
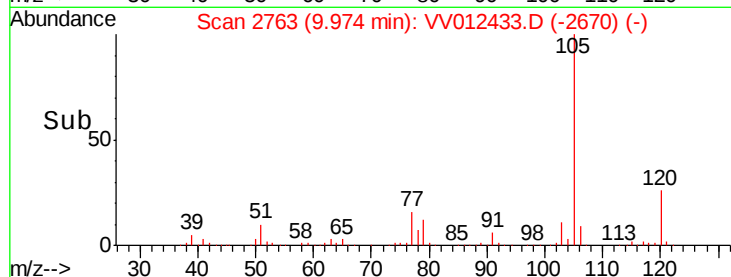
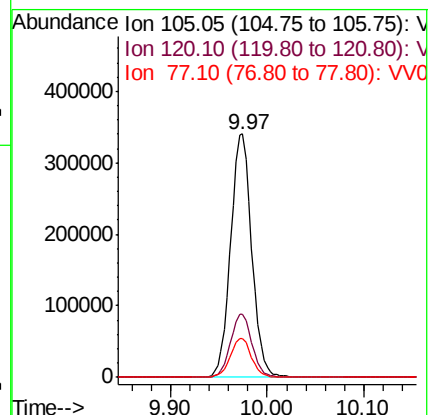
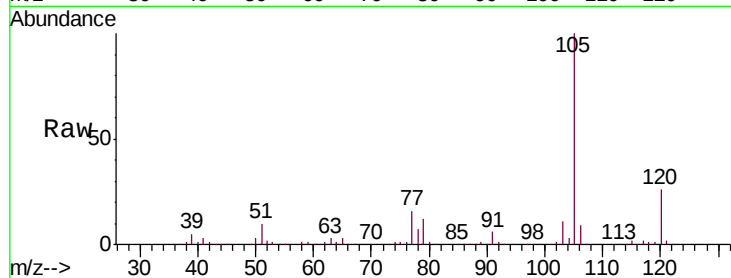
Tgt Ion: 105 Resp: 517500

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

77 15.9 12.7 19.1



#58

1,1,2,2-Tetrachloroethane

Concen: 8.129 ug/L

RT: 10.28 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

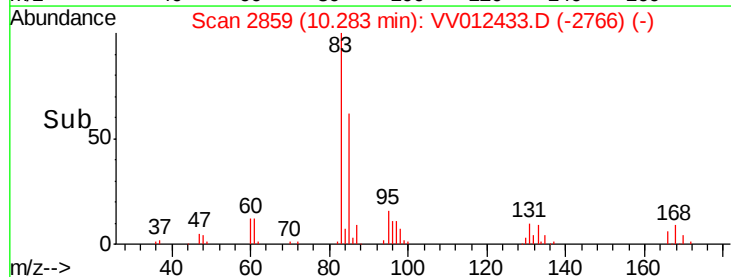
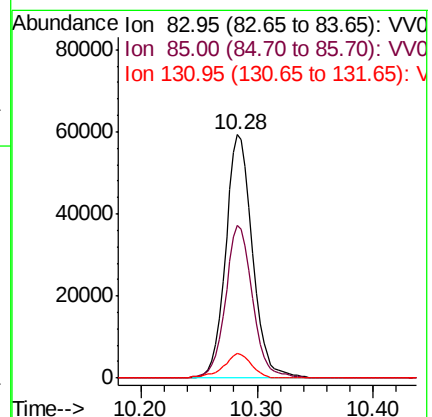
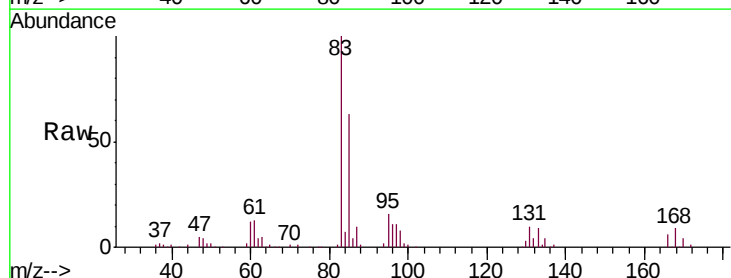
Tgt Ion: 83 Resp: 95131

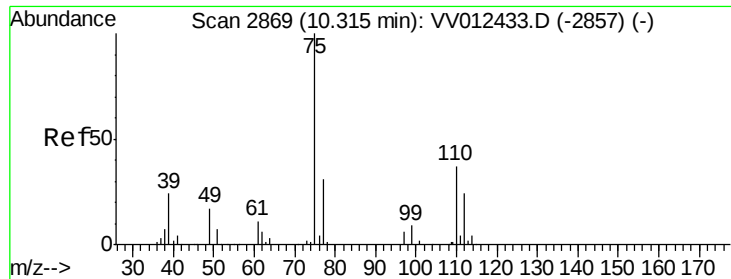
Ion Ratio Lower Upper

83 100

85 62.8 44.0 81.6

131 10.1 8.1 12.1





#59

1,2,3-Trichloropropane

Concen: 7.525 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

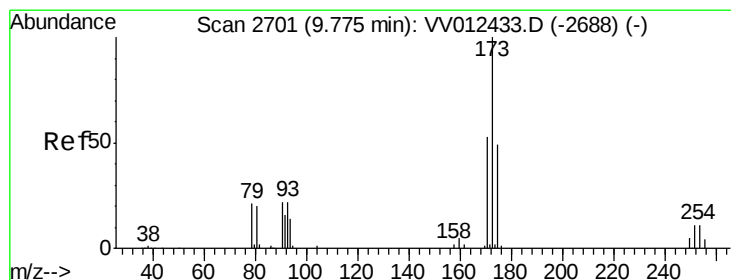
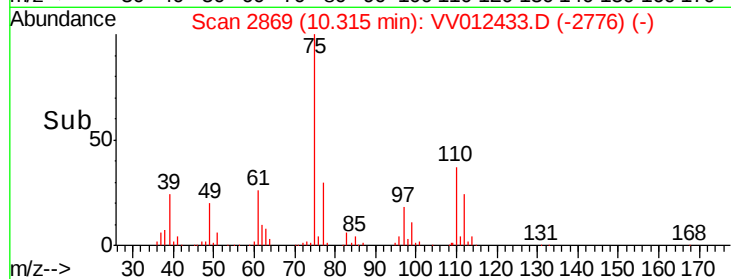
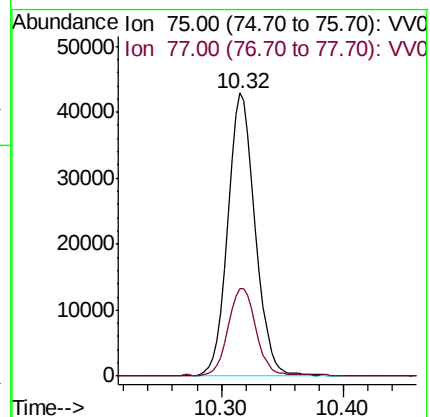
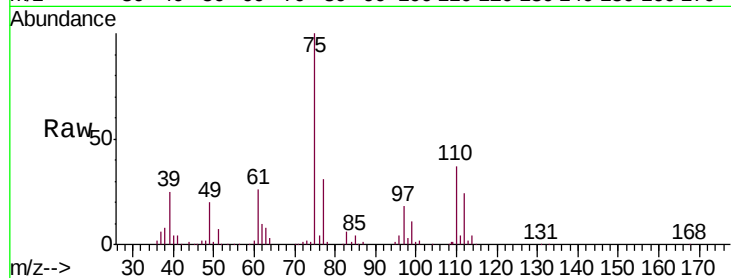
VSTD00536

Tgt Ion: 75 Resp: 67650

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2



#61

Bromoform

Concen: 7.161 ug/L

RT: 9.78 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

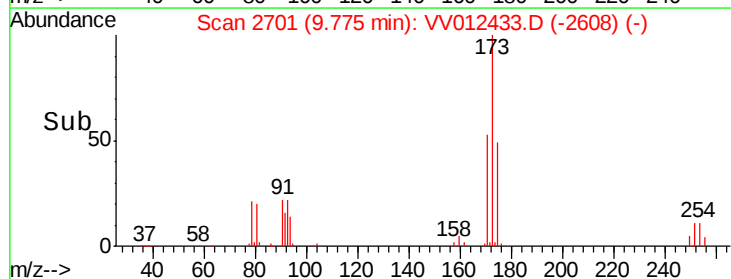
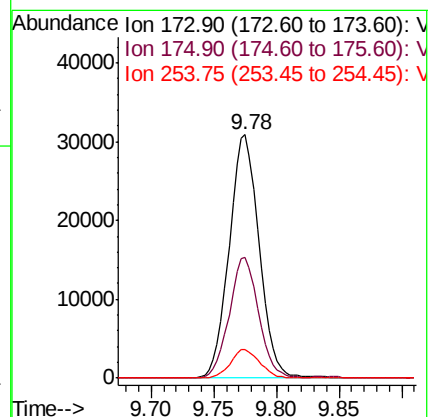
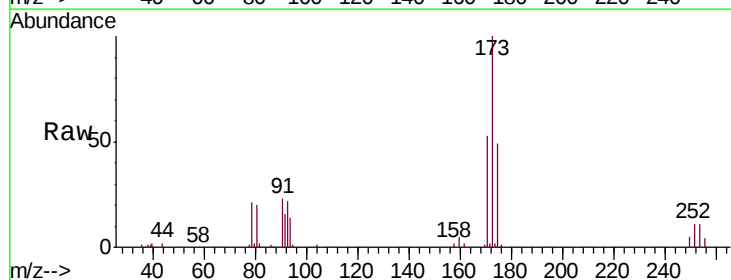
Tgt Ion: 173 Resp: 51249

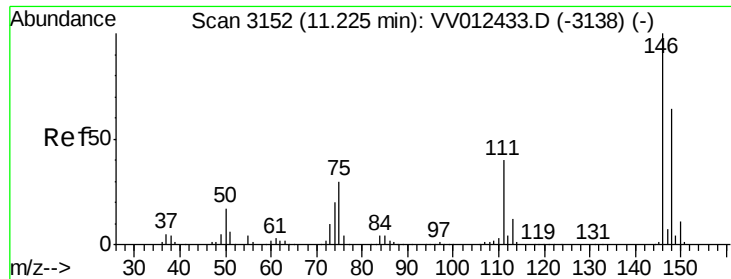
Ion Ratio Lower Upper

173 100

175 48.4 38.7 58.1

254 11.4 9.1 13.7





#62

1,3-Dichlorobenzene

Concen: 7.208 ug/L

RT: 11.23 min Scan# 3152

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

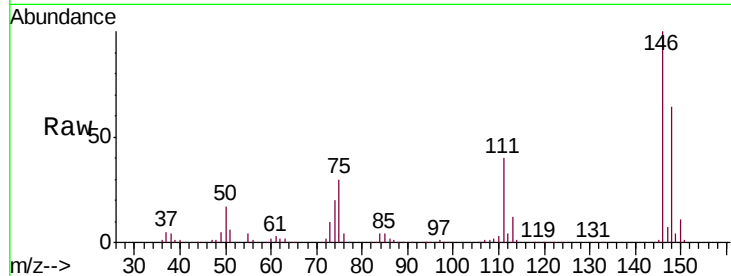
Tgt Ion:146 Resp: 241329

Ion Ratio Lower Upper

146 100

111 39.8 27.9 51.7

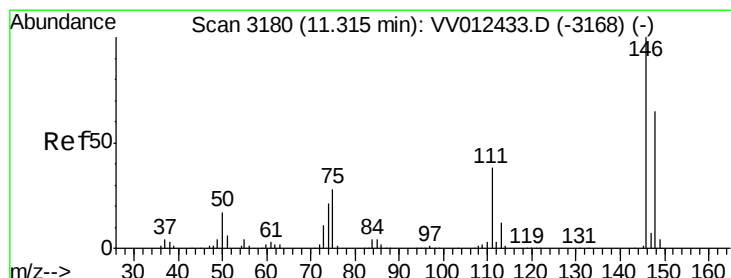
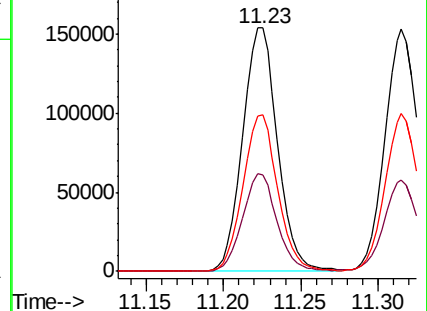
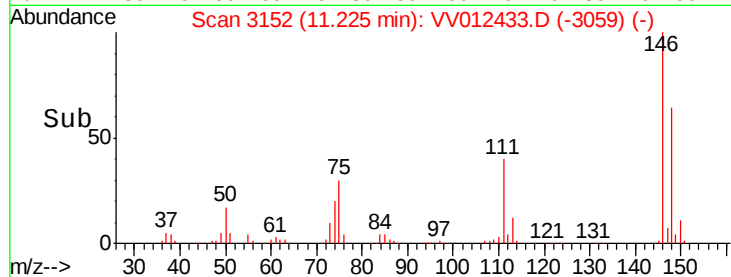
148 64.1 44.9 83.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 7.098 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

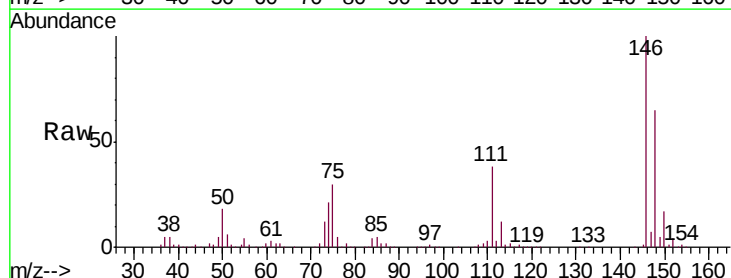
Tgt Ion:146 Resp: 237698

Ion Ratio Lower Upper

146 100

111 38.0 26.6 49.4

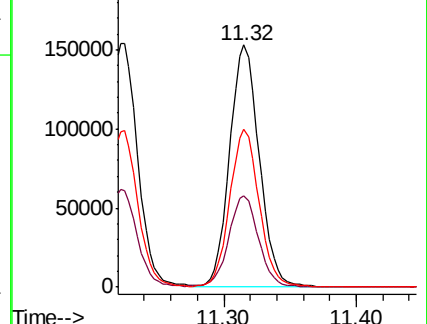
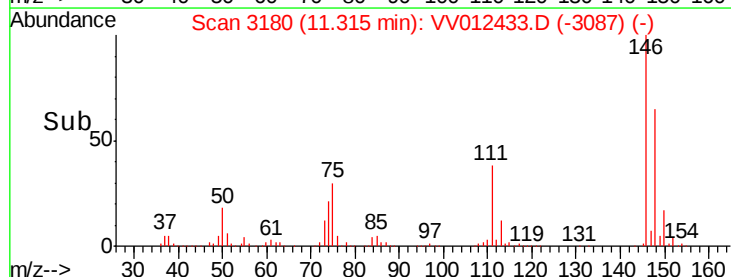
148 65.4 45.8 85.0

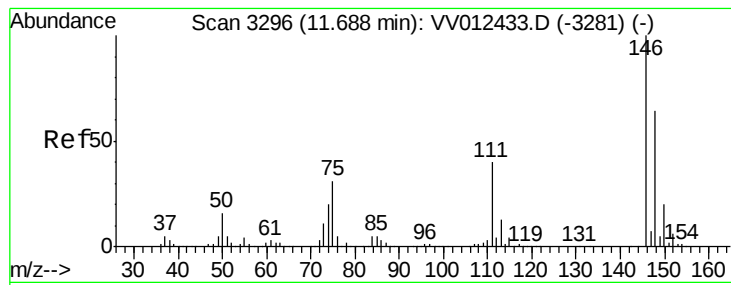


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 7.201 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

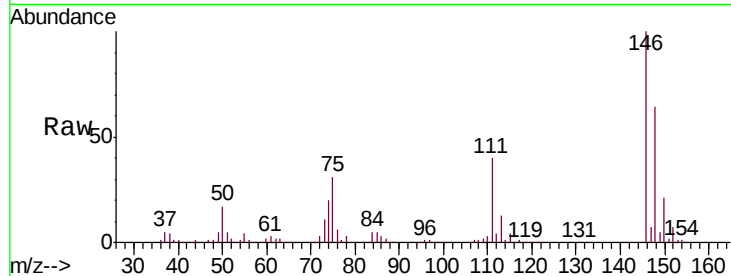
Tgt Ion: 146 Resp: 221843

Ion Ratio Lower Upper

146 100

111 39.9 31.9 47.9

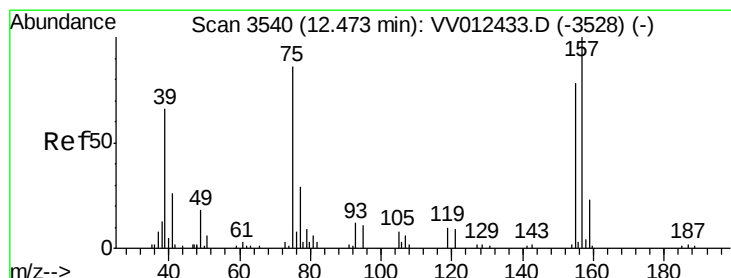
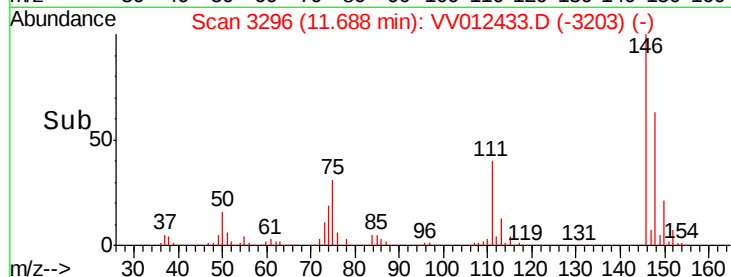
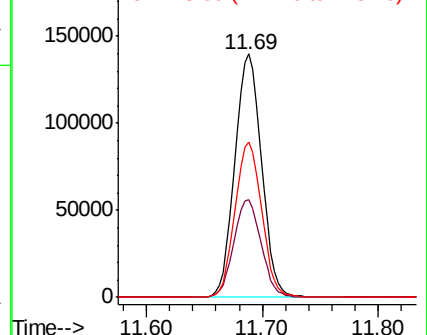
148 63.5 50.8 76.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 7.727 ug/L

RT: 12.47 min Scan# 3540

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

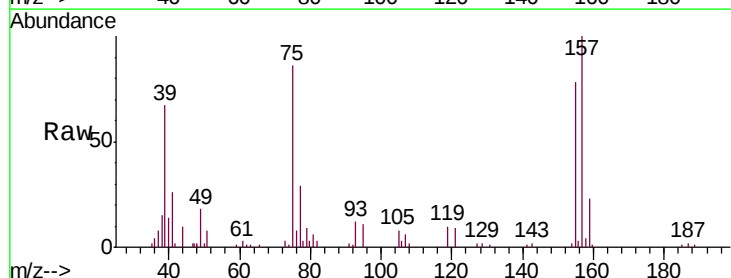
Tgt Ion: 75 Resp: 14217

Ion Ratio Lower Upper

75 100

155 90.5 72.4 108.6

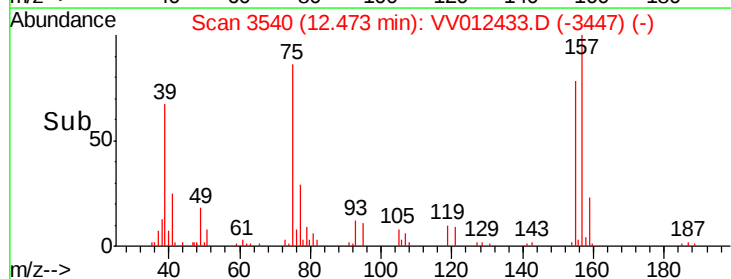
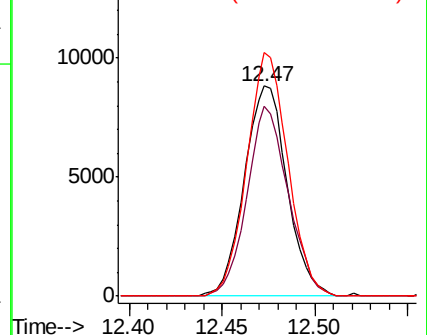
157 115.9 92.7 139.1

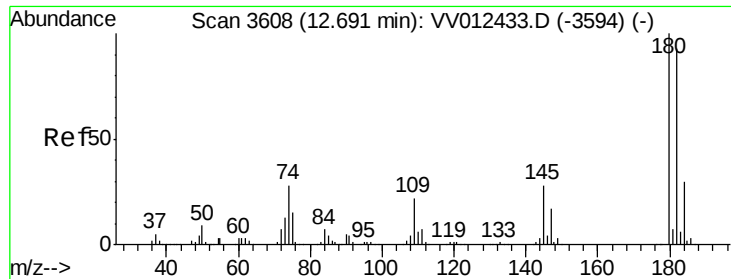


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

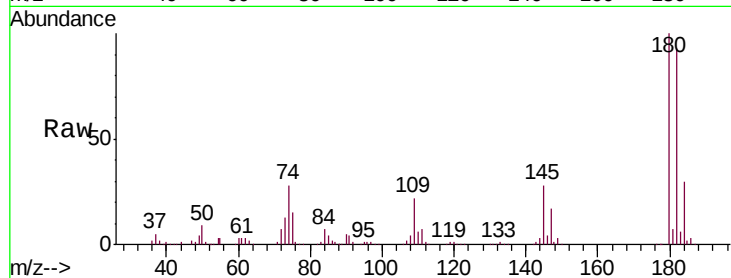




#67
 1,3,5-Trichlorobenzene
 Concen: 7.202 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	74.8	112.2
184	30.1	24.1	36.1
145	27.8	22.2	33.4



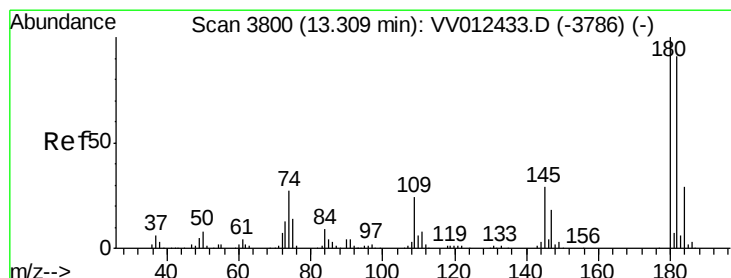
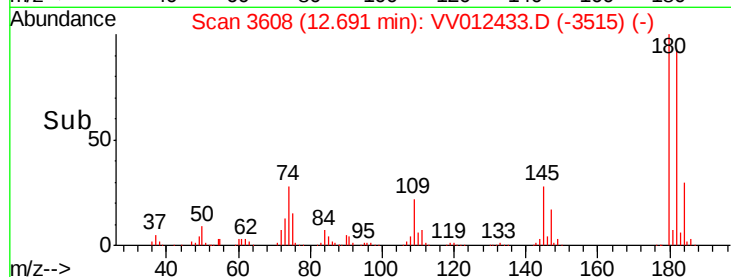
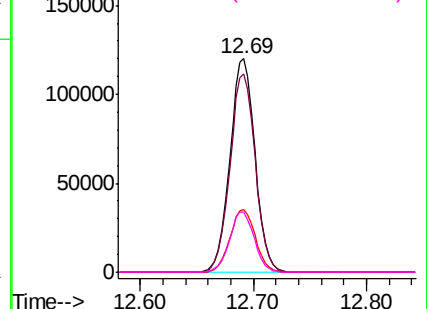
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

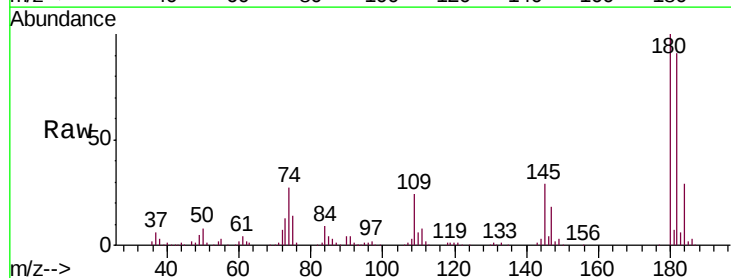
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 7.789 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV012433.D
 Acq: 28 Aug 2019 20:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	75.4	113.2
145	28.6	22.9	34.3

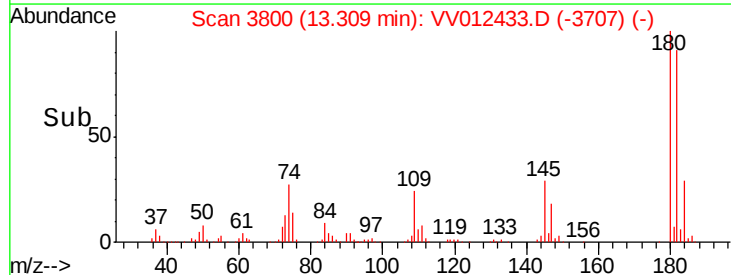
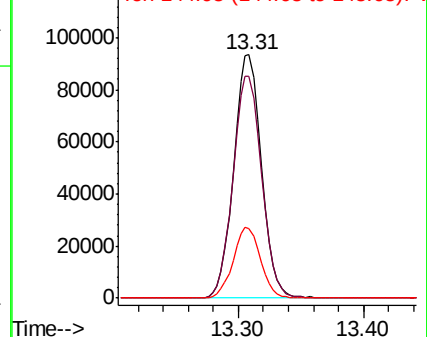


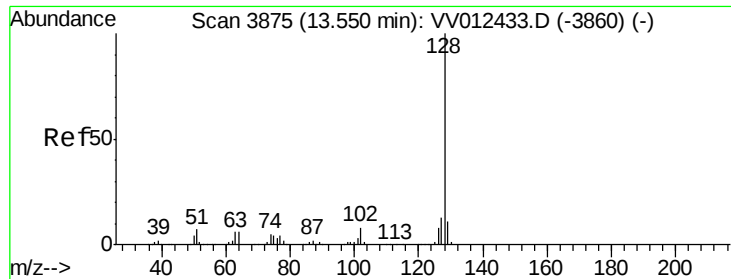
Abundance

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: 8.212 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

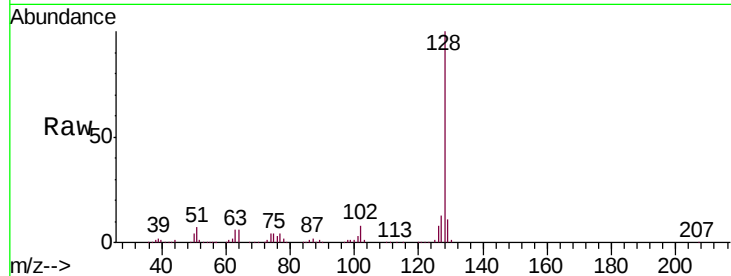
Tgt Ion:128 Resp: 217794

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

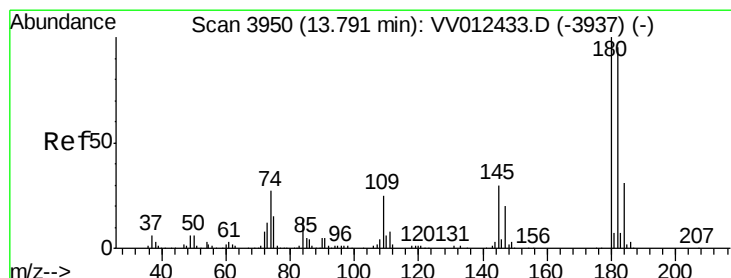
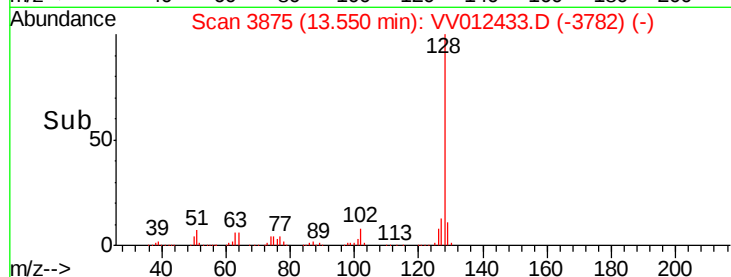
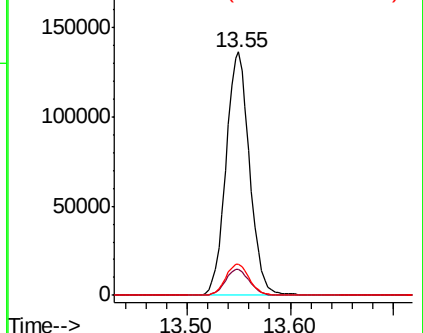
127 12.9 10.3 15.5



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: 7.961 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV012433.D

Acq: 28 Aug 2019 20:58

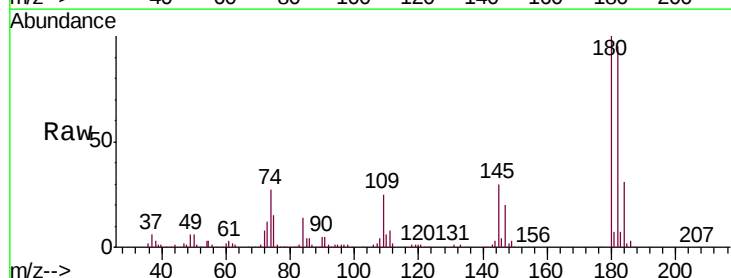
Tgt Ion:180 Resp: 137954

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 30.8 24.6 37.0



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

