

Data File : VV013248.D
Acq On : 21 Oct 2019 16:59
Operator : SY/MD
Sample : VSTD01034
Misc : 25.00ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

Quant Time: Oct 22 01:55:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 22 01:49:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	538461	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	569989	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	369622	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	388902	7.41	ug/L	0.00
7) Chloroethane-d5	1.58	69	329707	7.82	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	731202	8.74	ug/L	0.00
20) 2-Butanone-d5	3.98	46	668678	63.09	ug/L	0.00
24) Chloroform-d	4.39	84	959594	9.14	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	443210	8.95	ug/L	0.00
32) Benzene-d6	5.09	84	1913906	8.97	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	591636	9.28	ug/L	0.00
41) Toluene-d8	7.37	98	1877213	9.87	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	215677	9.41	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	937840	103.02	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	409440	8.95	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	692400	8.96	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	636966	9.587 ug/L	99
3) Chloromethane	1.24	50	526477	8.387 ug/L	99
5) Vinyl chloride	1.32	62	536247	9.576 ug/L	100
6) Bromomethane	1.53	94	309776	9.883 ug/L	99
8) Chloroethane	1.60	64	321700	9.936 ug/L	100
9) Trichlorofluoromethane	1.77	101	795673	9.942 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	468614	10.274 ug/L	100
12) 1,1-Dichloroethene	2.14	96	447060	10.261 ug/L	100
13) Acetone	2.24	43	460714	87.425 ug/L #	52
14) Carbon disulfide	2.32	76	1270879	10.247 ug/L	100
15) Methyl Acetate	2.48	43	126701	10.314 ug/L	92
16) Methylene chloride	2.54	84	439510	8.258 ug/L	96
17) Methyl tert-butyl Ether	2.82	73	946823	8.454 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	470832	8.578 ug/L	99
19) 1,1-Dichloroethane	3.23	63	756376	7.777 ug/L	99
21) 2-Butanone	4.07	43	825340	68.219 ug/L	94
22) cis-1,2-Dichloroethene	3.95	96	514988	9.094 ug/L #	99
23) Bromochloromethane	4.29	128	258419	9.826 ug/L	93
25) Chloroform	4.42	83	1073536	9.911 ug/L	100
27) 1,2-Dichloroethane	5.18	62	610479	10.279 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	914093	10.396 ug/L	100
30) Cyclohexane	4.70	56	993475	11.007 ug/L	99
31) Carbon tetrachloride	4.86	117	817368	10.503 ug/L	99
33) Benzene	5.14	78	2397848	10.495 ug/L	100
34) Trichloroethene	5.96	95	624118	10.491 ug/L	99
35) Methylcyclohexane	6.18	83	1045611	11.534 ug/L	99
37) 1,2-Dichloropropane	6.23	63	590678	10.533 ug/L	99
38) Bromodichloromethane	6.57	83	739176	10.367 ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	840636	11.202 ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	3184387	106.436 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	2604288	11.073	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	641812	11.148	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	399521	10.317	ug/L	97
47) Tetrachloroethene	8.02	164	564402	10.768	ug/L	98
48) 2-Hexanone	8.19	43	2323745	107.575	ug/L	96
49) Dibromochloromethane	8.29	129	508933	10.961	ug/L	99
50) 1,2-Dibromoethane	8.40	107	373657	10.675	ug/L	96
51) Chlorobenzene	8.93	112	1627181	10.705	ug/L	99
52) Ethylbenzene	9.05	91	2797473	11.448	ug/L	100
53) m,p-xylene	9.18	106	1102602	11.916	ug/L	99
54) o-xylene	9.59	106	1048439	11.749	ug/L	100
55) Styrene	9.60	104	1833045	12.220	ug/L	99
56) Isopropylbenzene	9.97	105	2787260	11.841	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	454658	10.158	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	332194	10.202	ug/L	96
61) Bromoform	9.77	173	290926	9.768	ug/L	100
62) 1,3-Dichlorobenzene	11.22	146	1400097	10.635	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	1364011	10.359	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	1276215	10.256	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	66541	8.568	ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	999619	10.352	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	894270	10.724	ug/L	100
69) Naphthalene	13.55	128	1355109	10.659	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	837257	10.116	ug/L	100

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

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VSTD01034

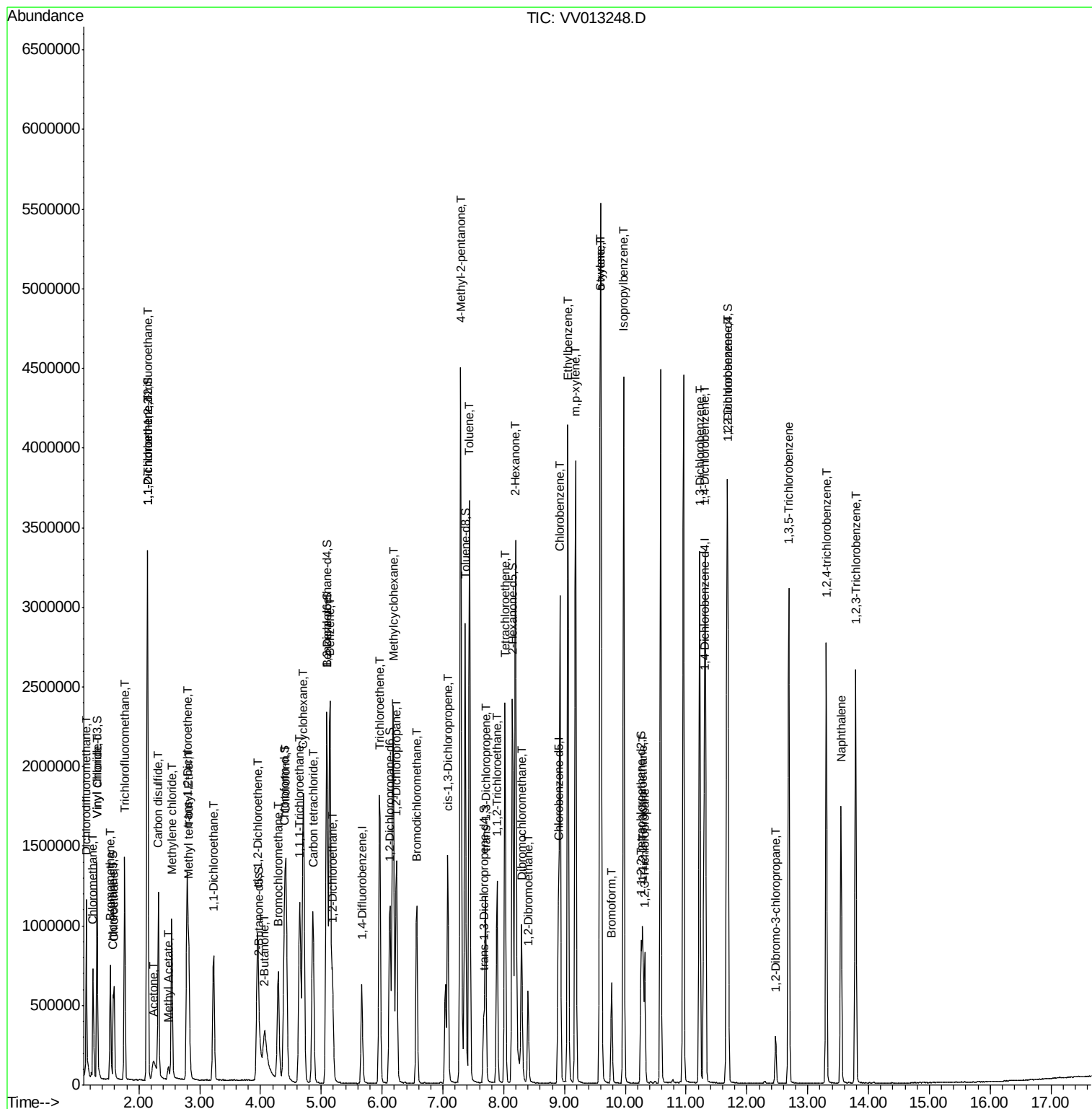
Quant Time: Oct 22 01:55:04 2019

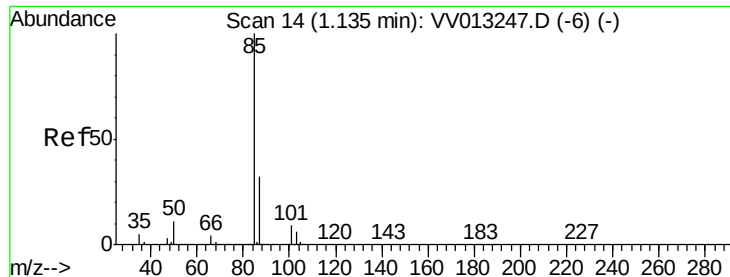
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR102119WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 9.587 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

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Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

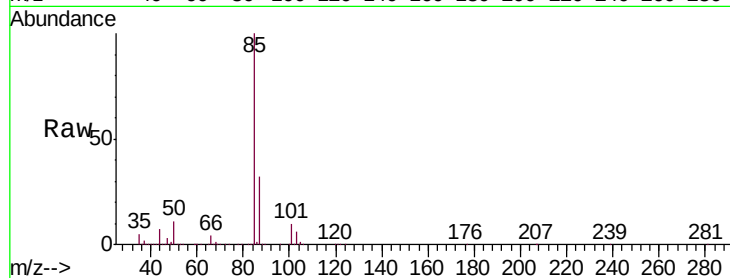
VSTD01034

Tgt Ion: 85 Resp: 636966

Ion Ratio Lower Upper

85 100

87 32.4 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

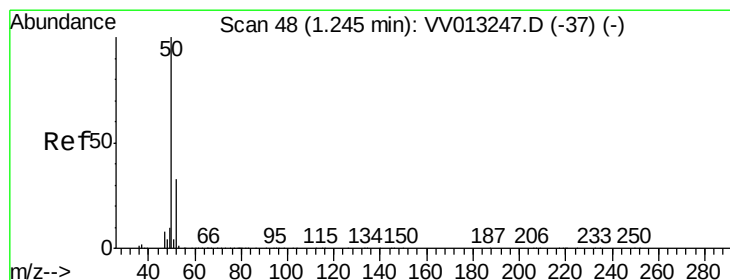
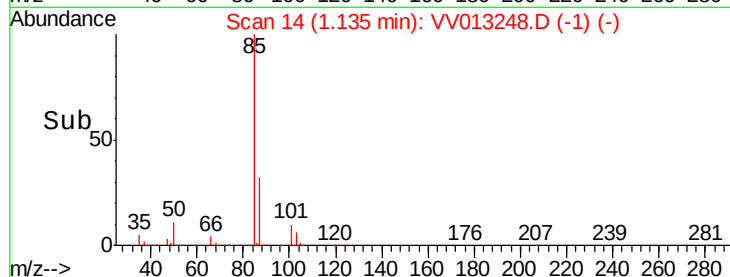
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 8.387 ug/L

RT: 1.24 min Scan# 48

Delta R.T. 0.00 min

Lab File: VV013248.D

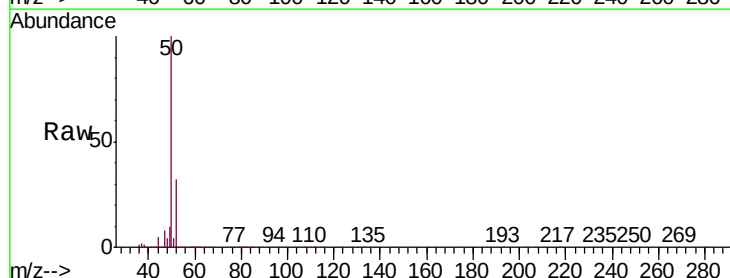
Acq: 21 Oct 2019 16:59

Tgt Ion: 50 Resp: 526477

Ion Ratio Lower Upper

50 100

52 32.5 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.24

500000

400000

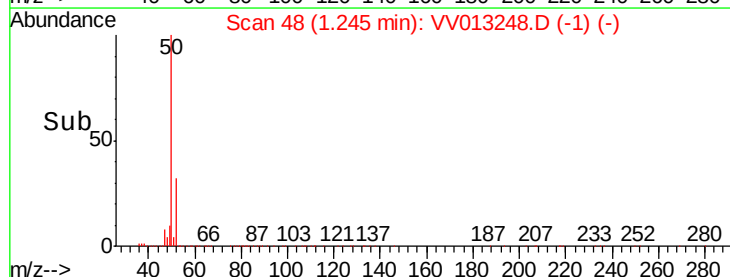
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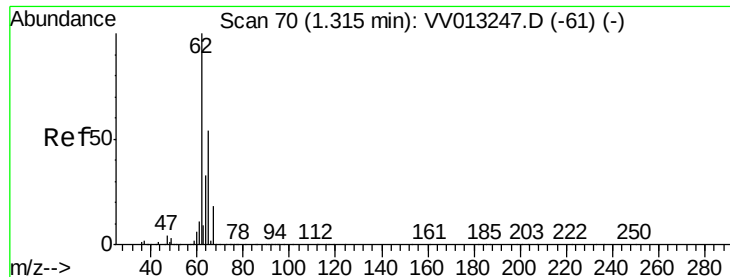
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 9.576 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

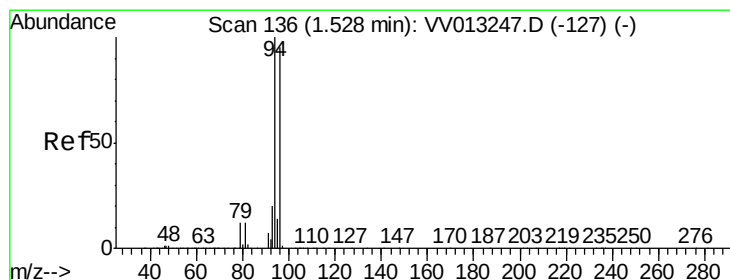
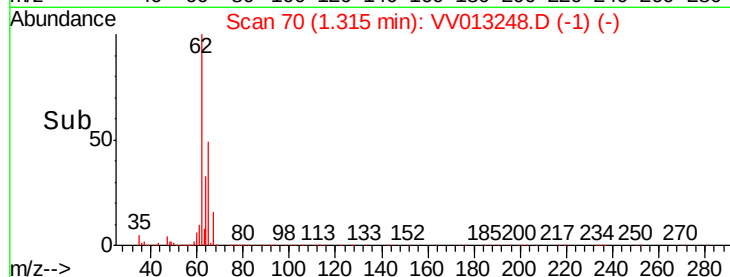
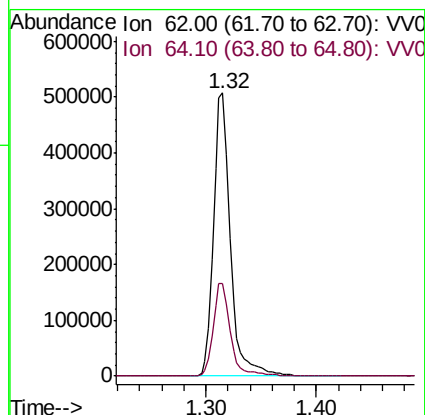
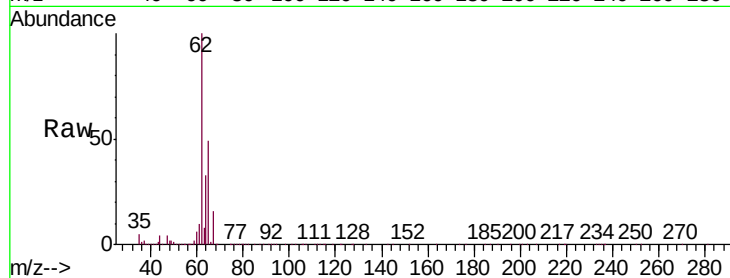
VSTD01034

Tgt Ion: 62 Resp: 536247

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



#6

Bromomethane

Concen: 9.883 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV013248.D

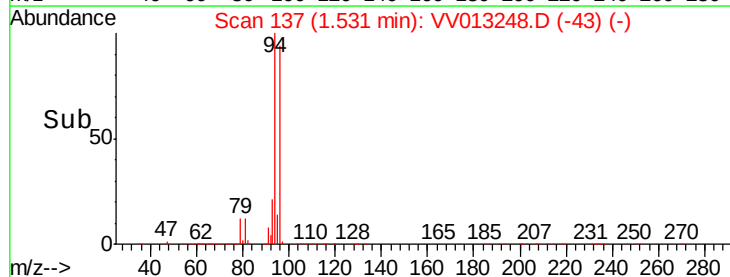
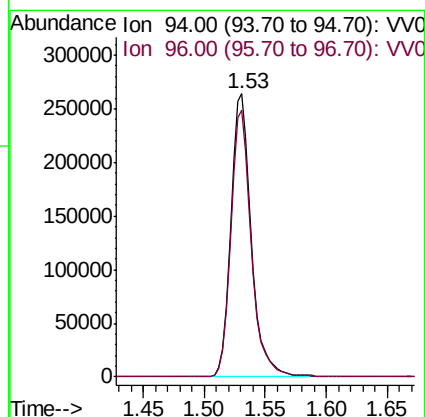
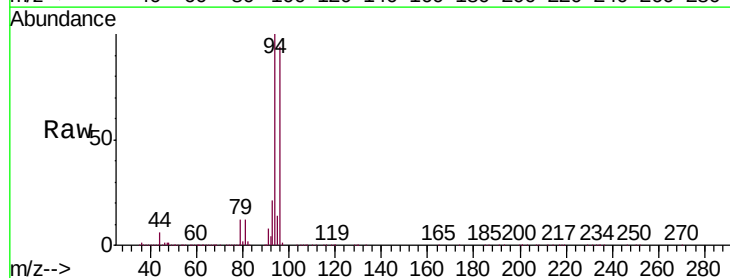
Acq: 21 Oct 2019 16:59

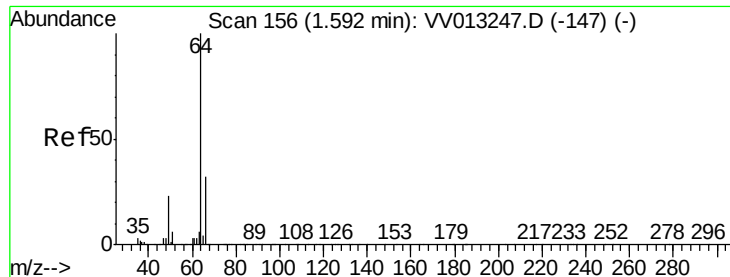
Tgt Ion: 94 Resp: 309776

Ion Ratio Lower Upper

94 100

96 94.0 66.2 123.0





#8

Chloroethane

Concen: 9.936 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

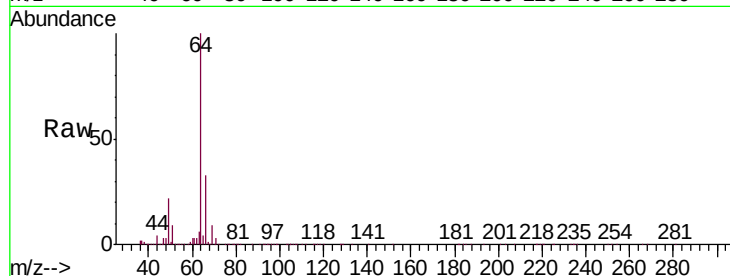
VSTD01034

Tgt Ion: 64 Resp: 321700

Ion Ratio Lower Upper

64 100

66 32.6 22.7 42.3



Abundance Ion 64.10 (63.80 to 64.80): VV013247.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV013247.D (-147) (-)

1.60

300000

250000

200000

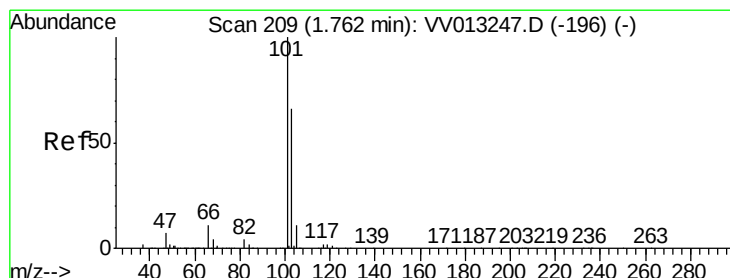
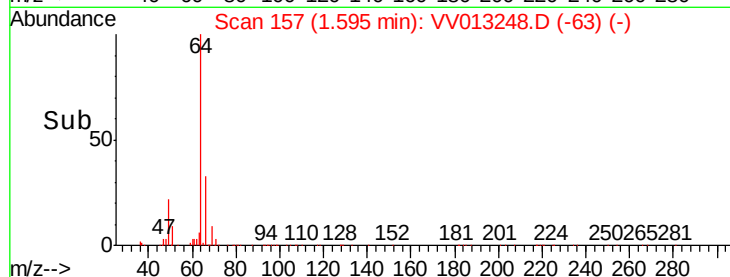
150000

100000

50000

0

Time--> 1.50 1.60 1.70



#9

Trichlorofluoromethane

Concen: 9.942 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV013248.D

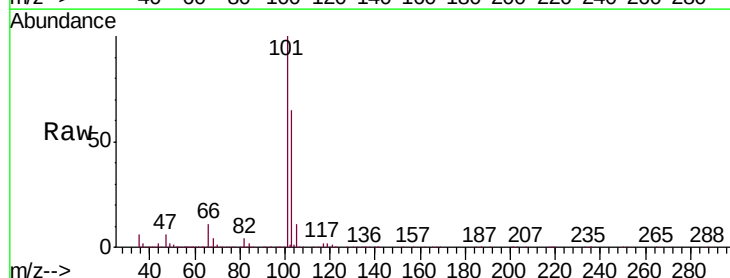
Acq: 21 Oct 2019 16:59

Tgt Ion: 101 Resp: 795673

Ion Ratio Lower Upper

101 100

103 65.2 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): VV013247.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV013247.D (-196) (-)

1.77

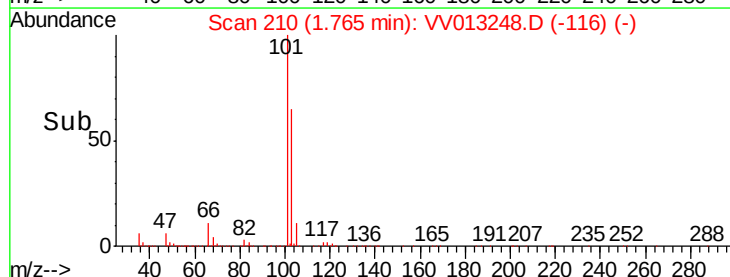
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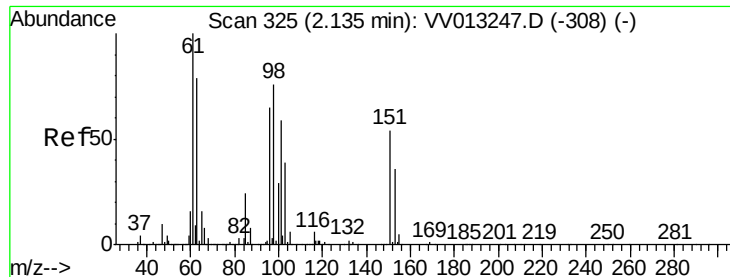
400000

200000

0

Time--> 1.70 1.75 1.80 1.85





#10

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

Concen: 10.274 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.01 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

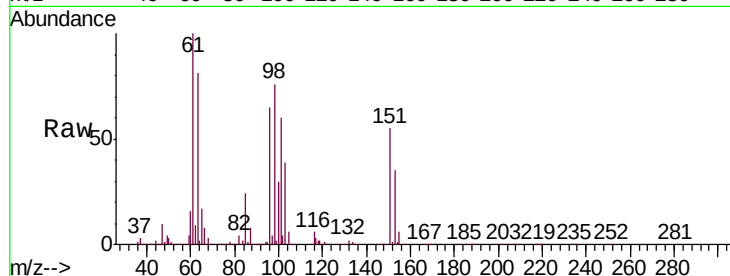
Tgt Ion: 101 Resp: 468614

Ion Ratio Lower Upper

101 100

85 39.8 31.8 47.8

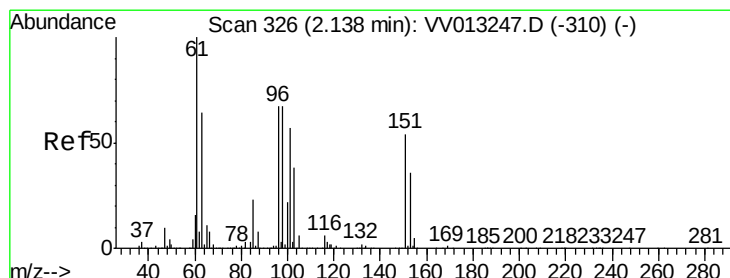
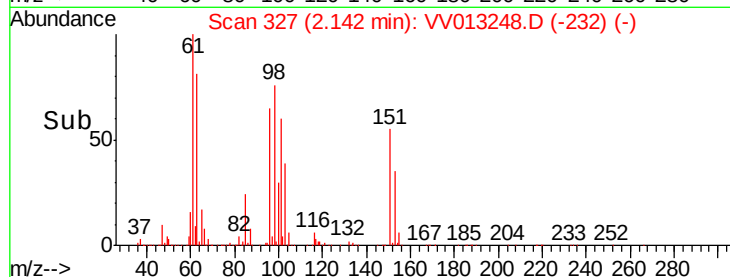
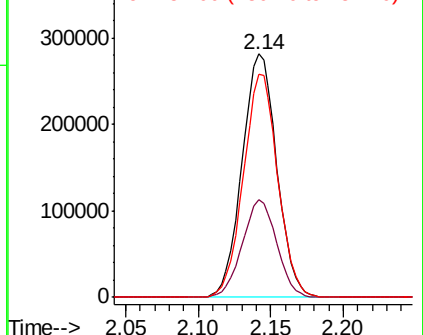
151 90.6 72.9 109.3



Abundance Ion 101.00 (100.70 to 101.70): VV013248.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV013248.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013248.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 10.261 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.01 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

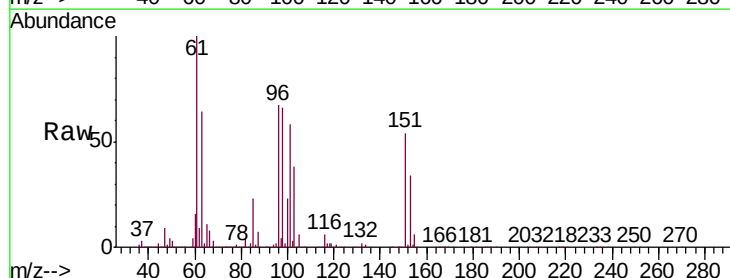
Tgt Ion: 96 Resp: 447060

Ion Ratio Lower Upper

96 100

61 148.9 104.0 193.1

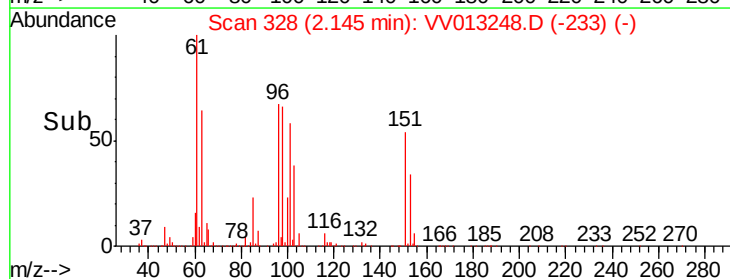
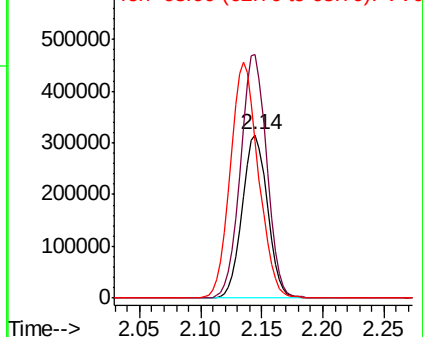
63 95.9 67.1 124.5

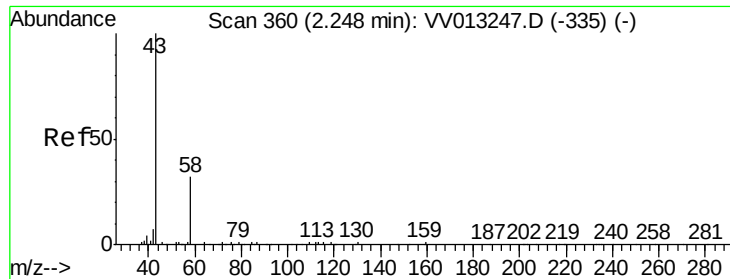


Abundance Ion 96.00 (95.70 to 96.70): VV013248.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV013248.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV013248.D (-233) (-)





#13

Acetone

Concen: 87.425 ug/L

RT: 2.24 min Scan# 358

Delta R.T. -0.01 min

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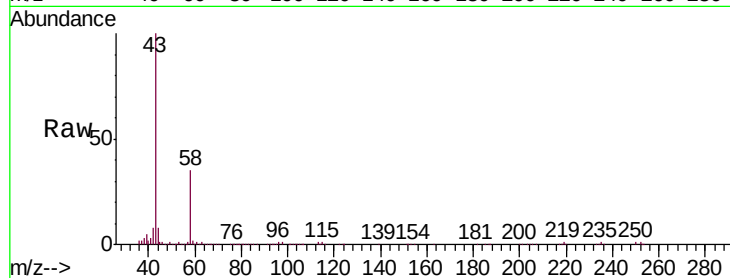
VSTD01034

Tgt Ion: 43 Resp: 460714

Ion Ratio Lower Upper

43 100

58 32.4 0.0 26.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.24

80000

60000

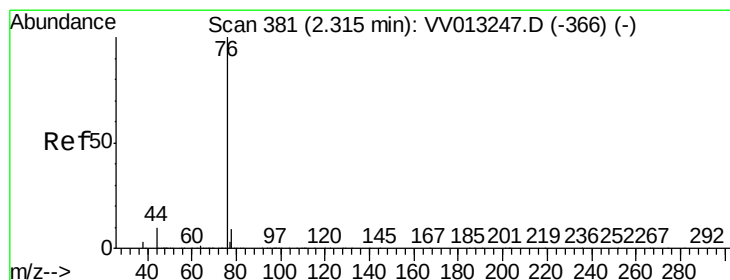
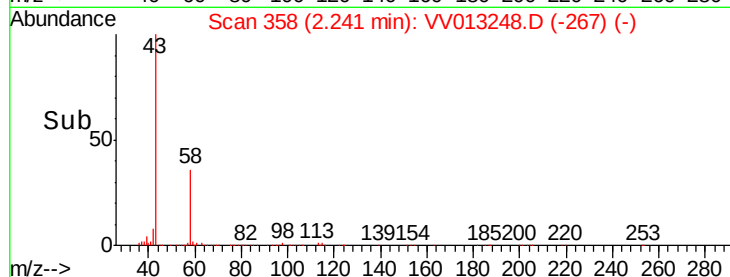
40000

20000

0

Time-->

2.10 2.20 2.30 2.40 2.50



#14

Carbon disulfide

Concen: 10.247 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VV013248.D

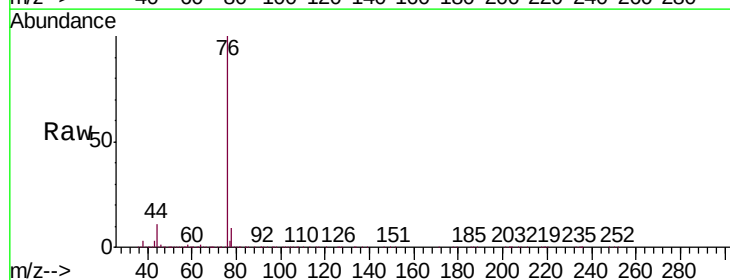
Acq: 21 Oct 2019 16:59

Tgt Ion: 76 Resp: 1270879

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

1000000

800000

600000

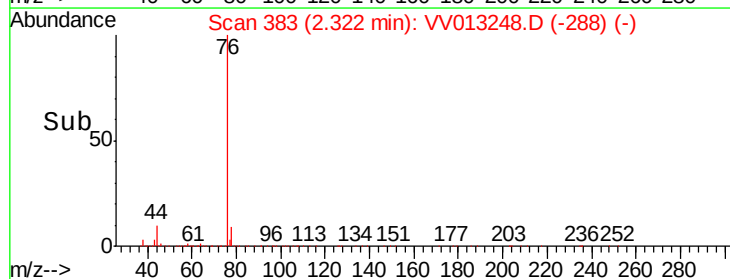
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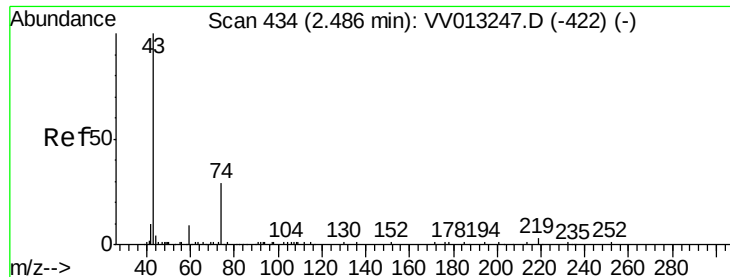
200000

0

Time-->

2.20 2.30 2.40

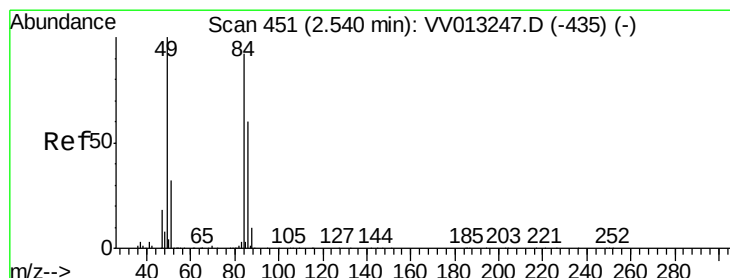
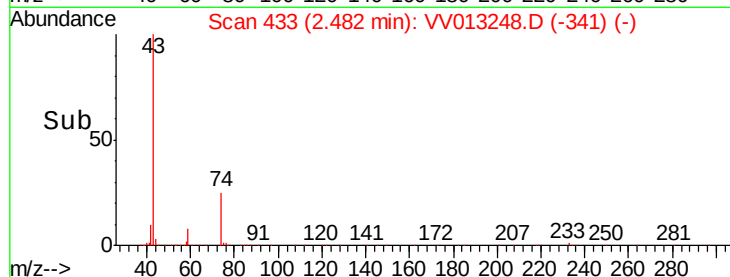
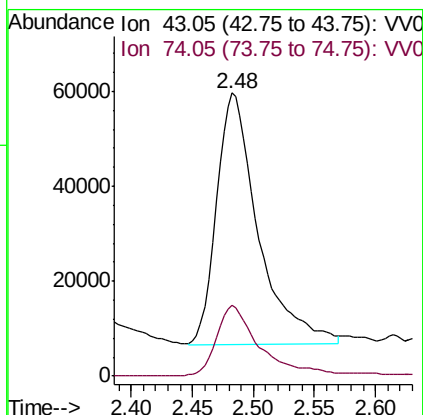
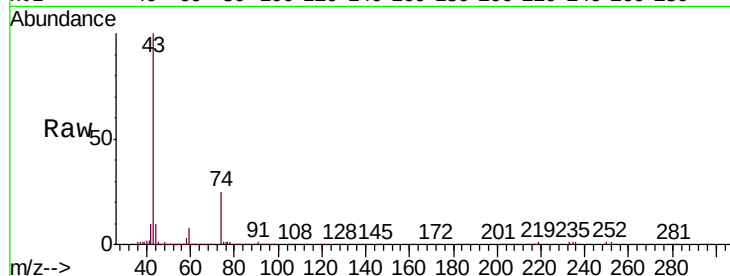




#15
Methyl Acetate
Concen: 10.314 ug/L
RT: 2.48 min Scan# 433
Delta R.T. -0.00 min
Lab File: VV013248.D
Acq: 21 Oct 2019 16:59

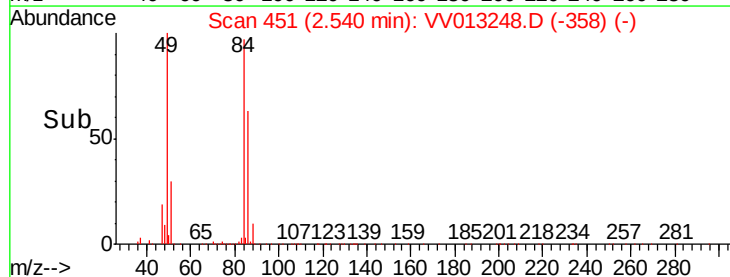
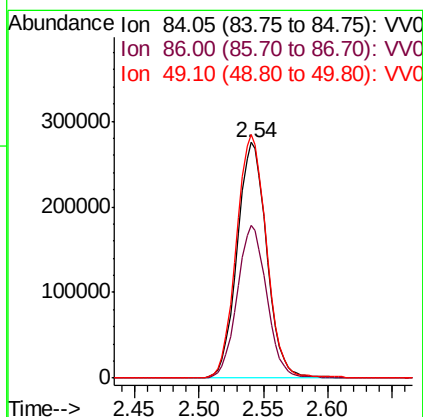
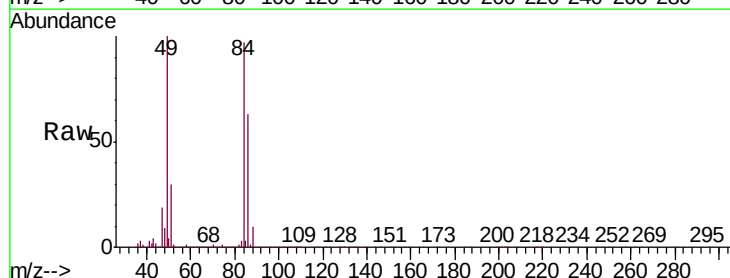
Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

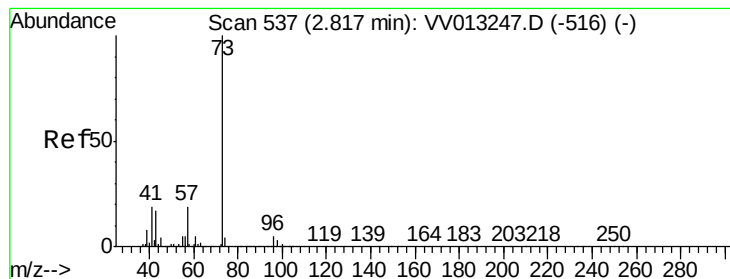
Tgt Ion: 43 Resp: 126701
Ion Ratio Lower Upper
43 100
74 29.3 20.4 30.6



#16
Methylene chloride
Concen: 8.258 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV013248.D
Acq: 21 Oct 2019 16:59

Tgt Ion: 84 Resp: 439510
Ion Ratio Lower Upper
84 100
86 64.6 46.2 85.8
49 103.2 76.4 141.8





#17

Methyl tert-butyl Ether

Concen: 8.454 ug/L

RT: 2.82 min Scan# 538

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

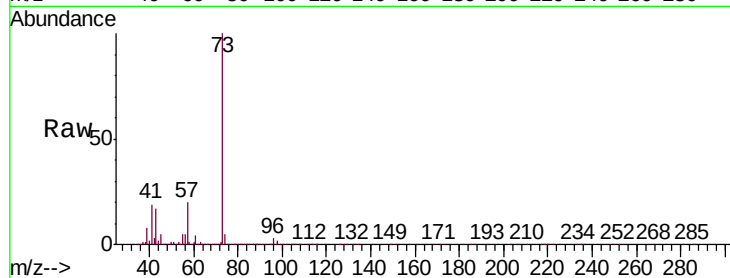
Tgt Ion: 73 Resp: 946823

Ion Ratio Lower Upper

73 100

43 16.6 13.1 19.7

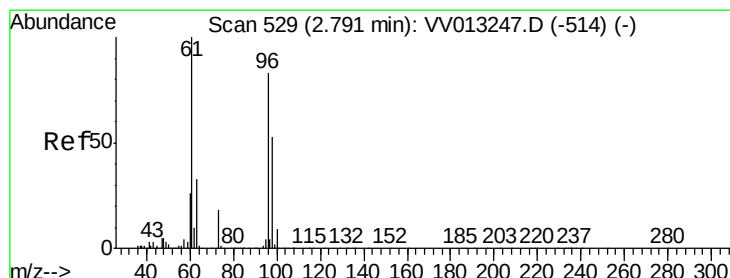
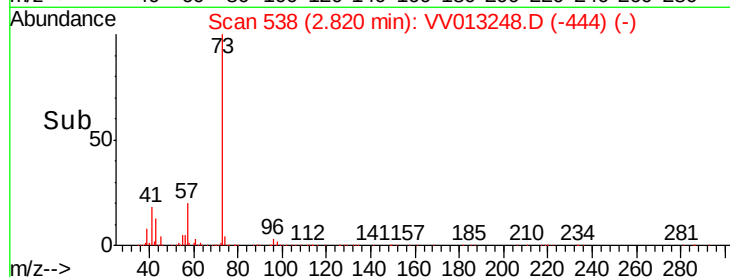
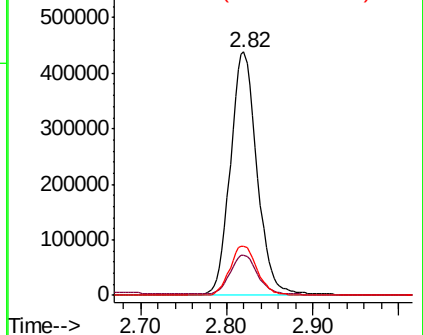
57 20.7 16.4 24.6



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: 8.578 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

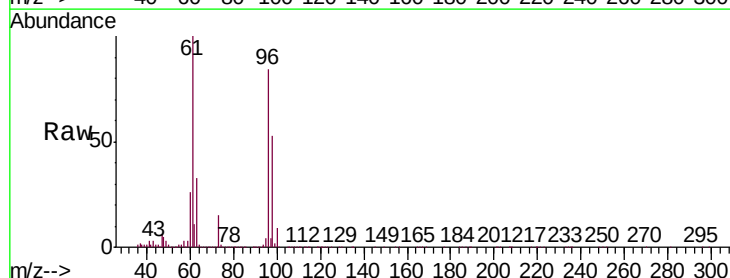
Tgt Ion: 96 Resp: 470832

Ion Ratio Lower Upper

96 100

61 119.6 84.4 156.8

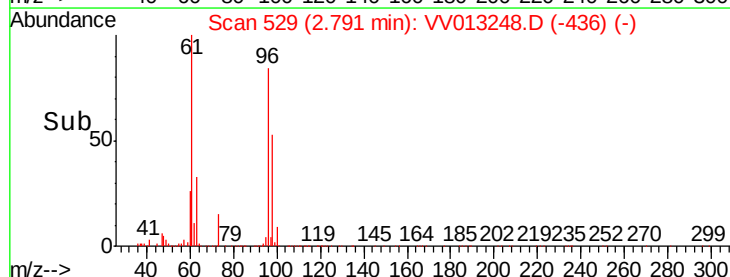
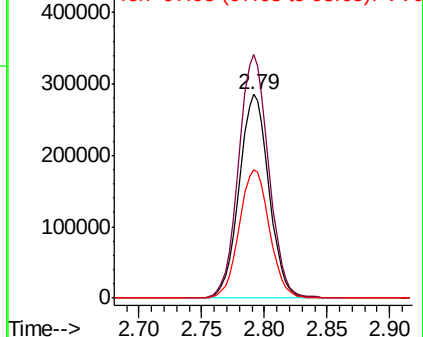
98 63.2 44.4 82.4

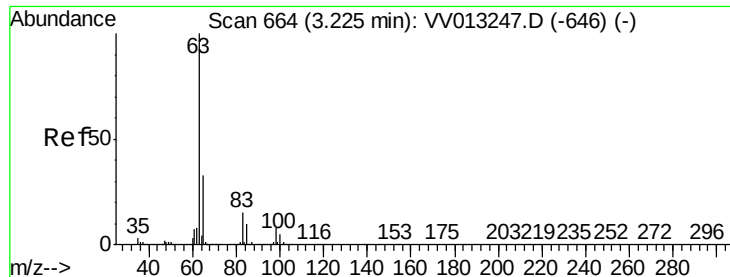


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

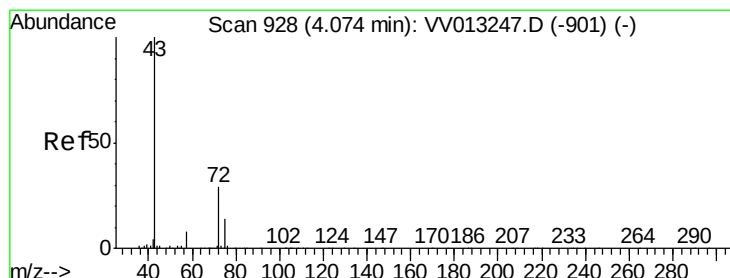
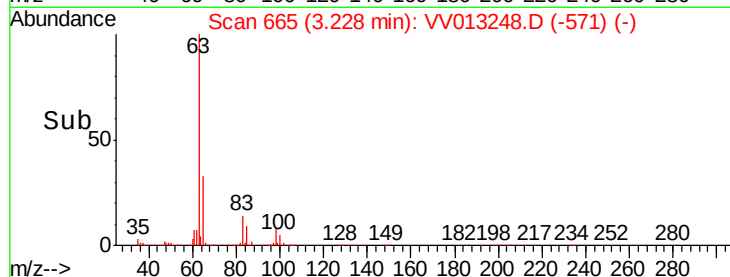
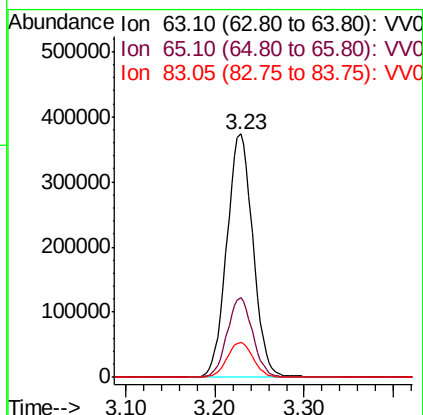
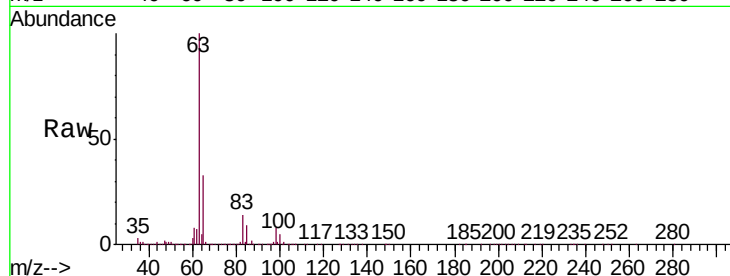




#19
 1,1-Dichloroethane
 Concen: 7.777 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

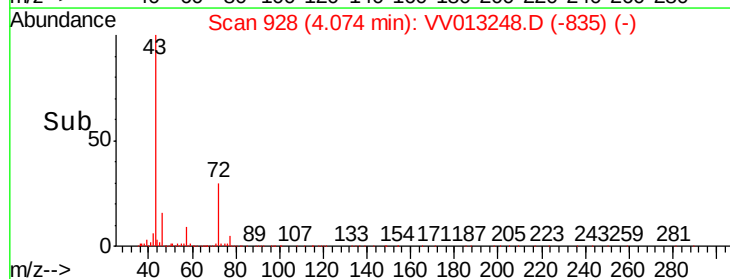
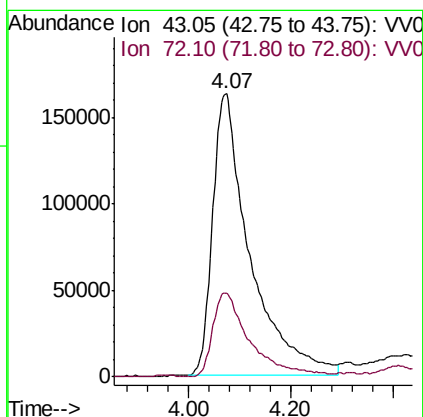
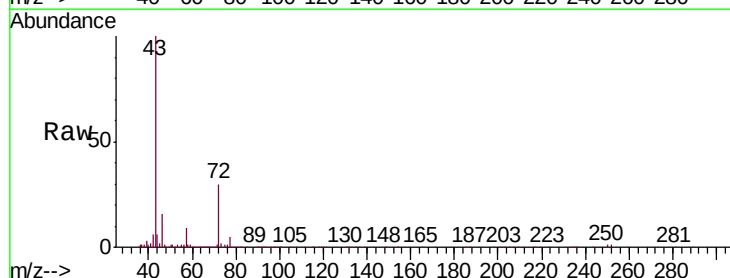
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

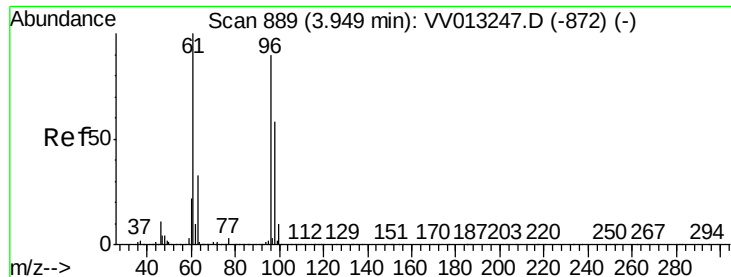
Tgt Ion:	63	Resp:	756376
Ion	Ratio	Lower	Upper
63	100		
65	32.7	23.0	42.8
83	14.3	10.2	19.0



#21
 2-Butanone
 Concen: 68.219 ug/L
 RT: 4.07 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Tgt Ion:	43	Resp:	825340
Ion	Ratio	Lower	Upper
43	100		
72	29.2	13.1	39.3





#22

cis-1,2-Dichloroethene

Concen: 9.094 ug/L

RT: 3.95 min Scan# 890

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

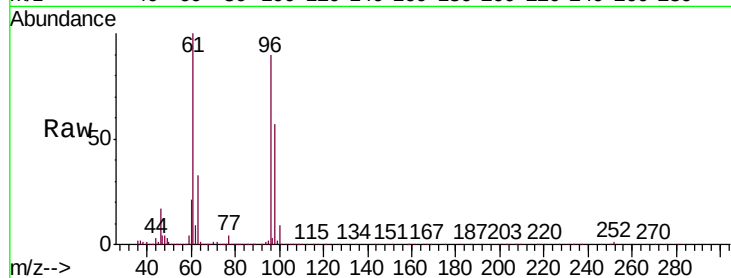
Tgt Ion: 96 Resp: 514988

Ion Ratio Lower Upper

96 100

61 111.2 77.3 143.7

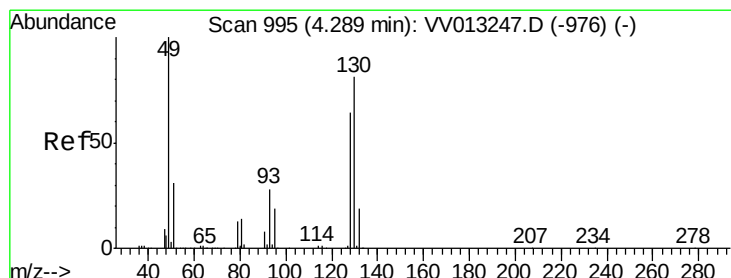
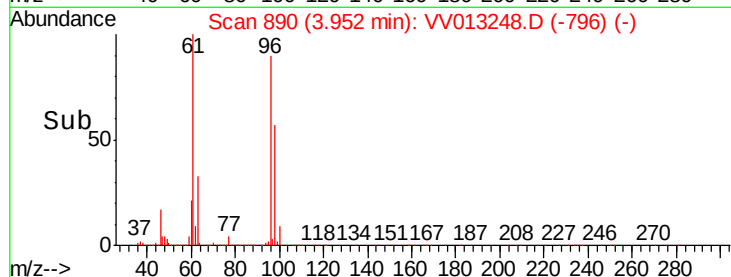
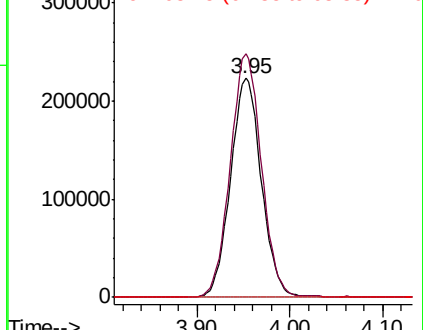
68 0.1 0.1 0.1#



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: 9.826 ug/L

RT: 4.29 min Scan# 996

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Tgt Ion: 128 Resp: 258419

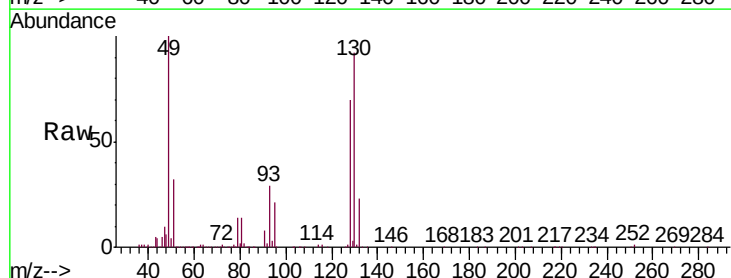
Ion Ratio Lower Upper

128 100

49 143.6 109.9 204.1

130 132.6 88.7 164.7

51 46.4 39.3 58.9

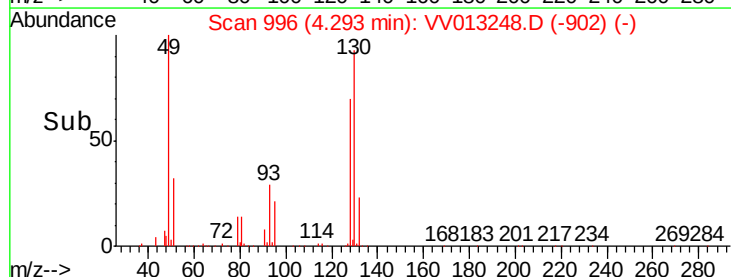
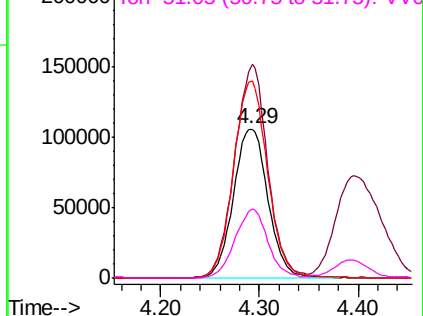


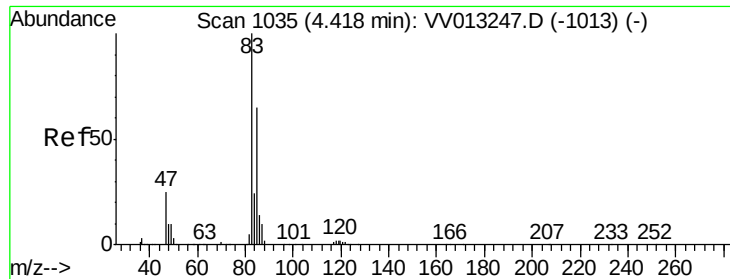
Abundance Ion 127.90 (127.60 to 128.60): V

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

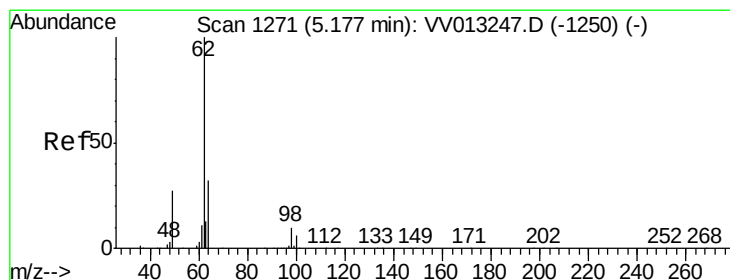
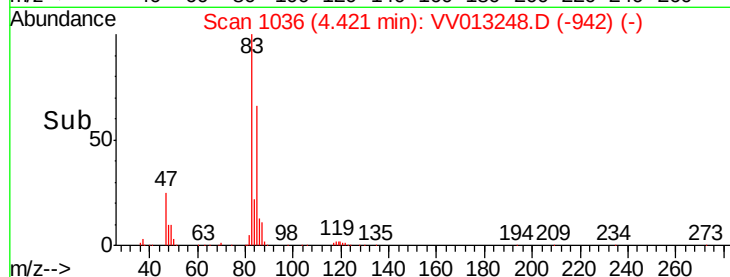
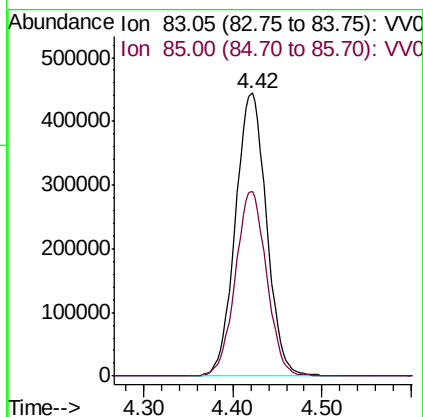
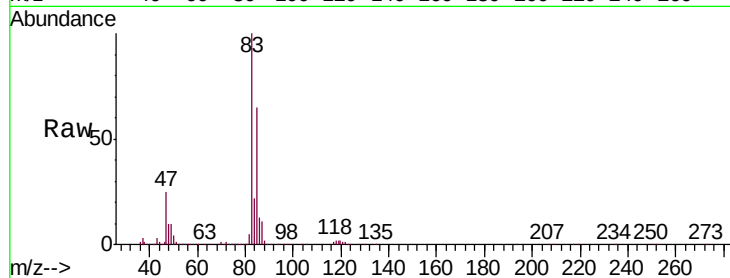




#25
Chloroform
Concen: 9.911 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013248.D
Acq: 21 Oct 2019 16:59

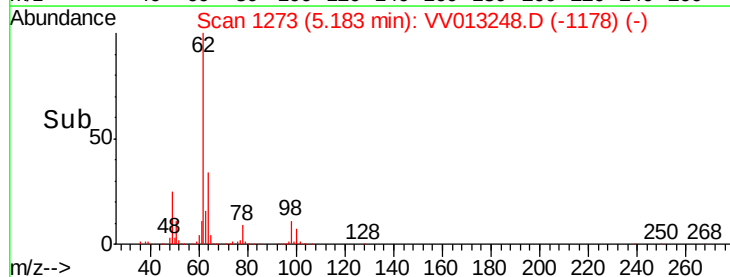
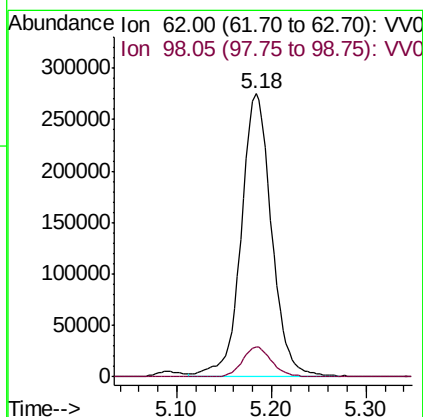
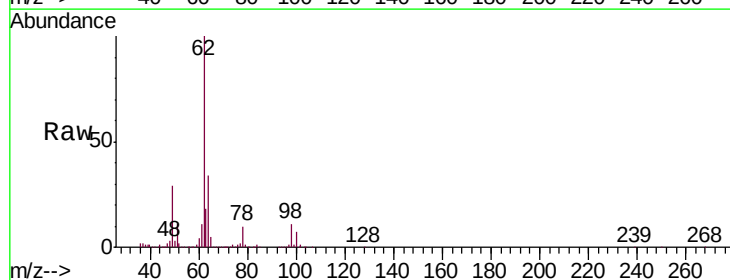
Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

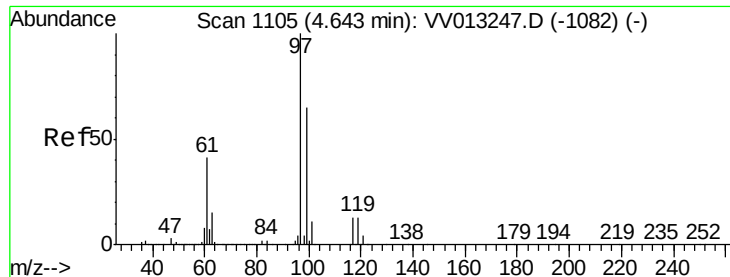
Tgt Ion: 83 Resp: 1073536
Ion Ratio Lower Upper
83 100
85 65.5 45.7 84.9



#27
1,2-Dichloroethane
Concen: 10.279 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV013248.D
Acq: 21 Oct 2019 16:59

Tgt Ion: 62 Resp: 610479
Ion Ratio Lower Upper
62 100
98 10.6 8.3 12.5

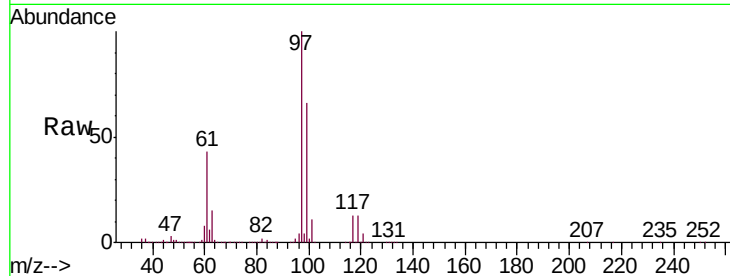




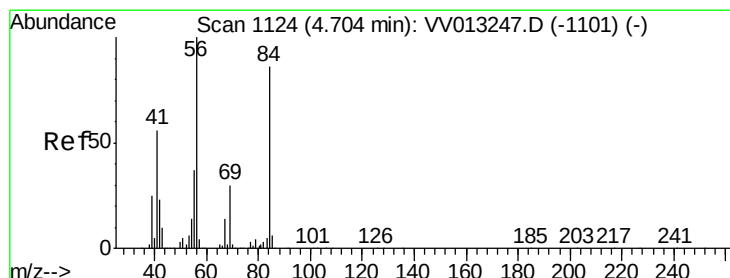
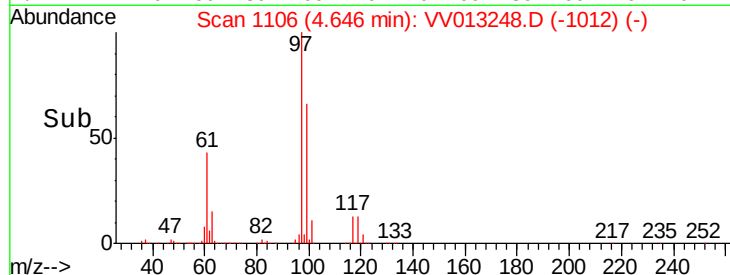
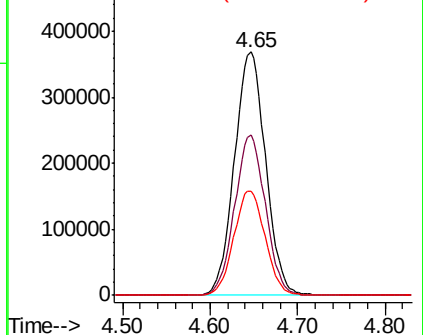
#29
 1,1,1-Trichloroethane
 Concen: 10.396 ug/L
 RT: 4.65 min Scan# 1106
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

Tgt Ion: 97 Resp: 914093
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.7 77.5
 61 43.3 34.3 51.5

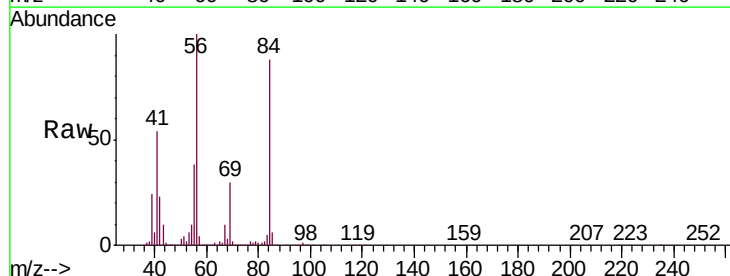


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

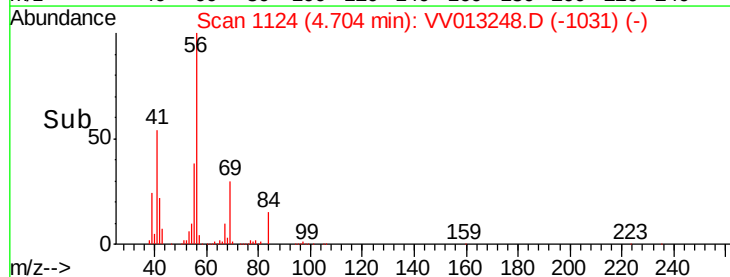
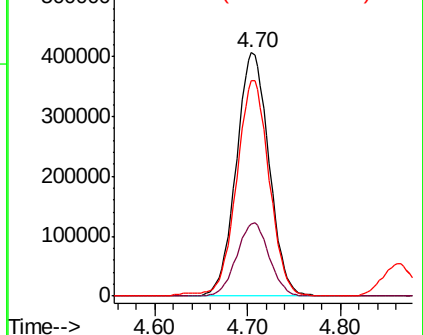


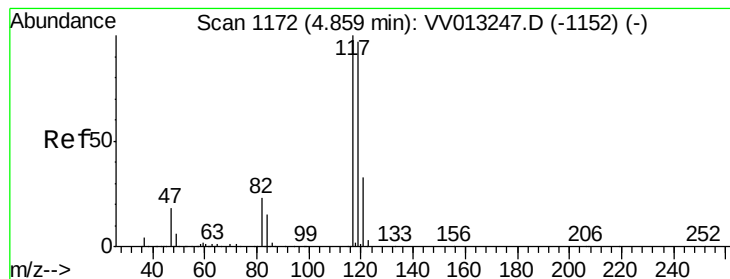
#30
 Cyclohexane
 Concen: 11.007 ug/L
 RT: 4.70 min Scan# 1124
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Tgt Ion: 56 Resp: 993475
 Ion Ratio Lower Upper
 56 100
 69 29.9 24.6 37.0
 84 87.9 71.0 106.6



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





#31

Carbon tetrachloride

Concen: 10.503 ug/L

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

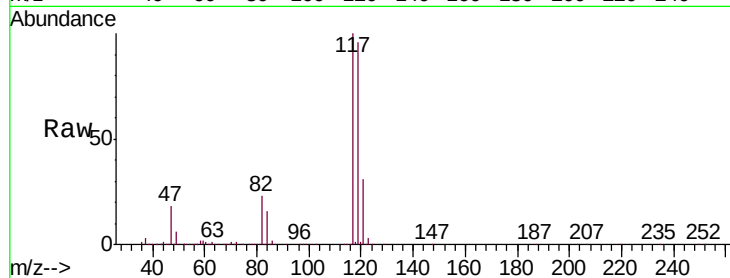
VSTD01034

Tgt Ion:117 Resp: 817368

Ion Ratio Lower Upper

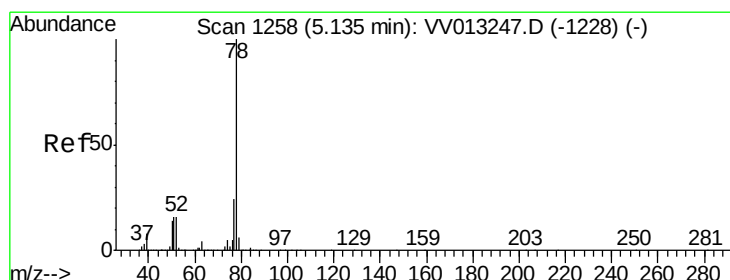
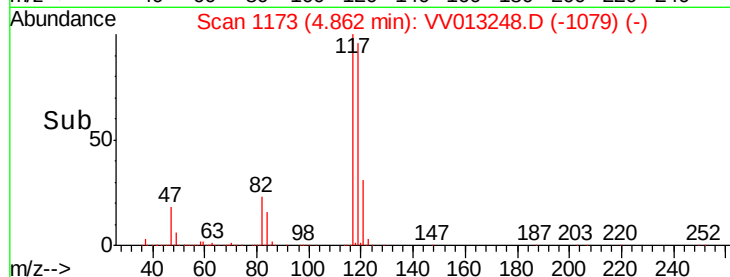
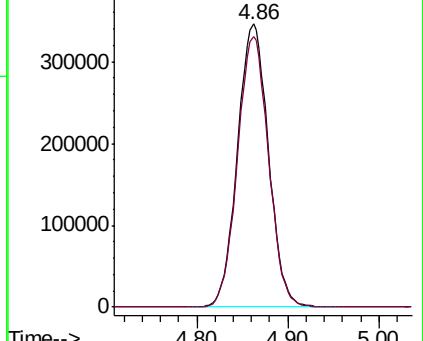
117 100

119 96.1 77.4 116.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 10.495 ug/L

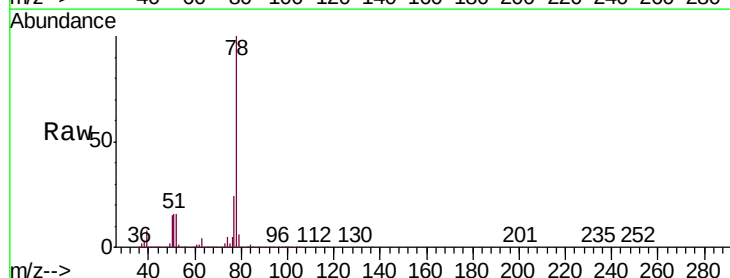
RT: 5.14 min Scan# 1260

Delta R.T. 0.01 min

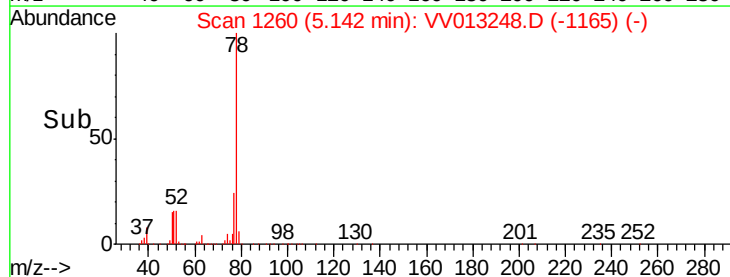
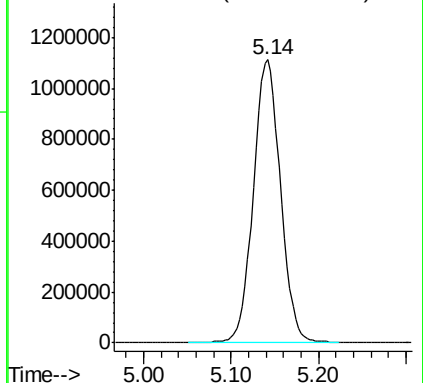
Lab File: VV013248.D

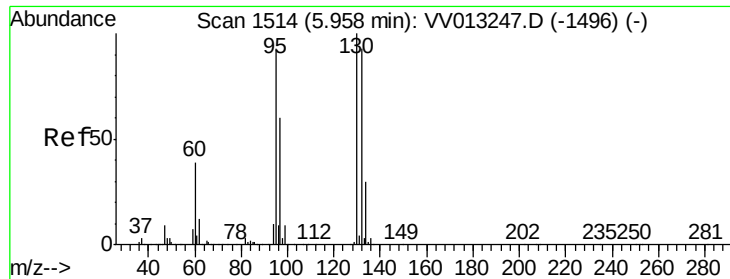
Acq: 21 Oct 2019 16:59

Tgt Ion: 78 Resp: 2397848



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 10.491 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

Tgt Ion: 95 Resp: 624118

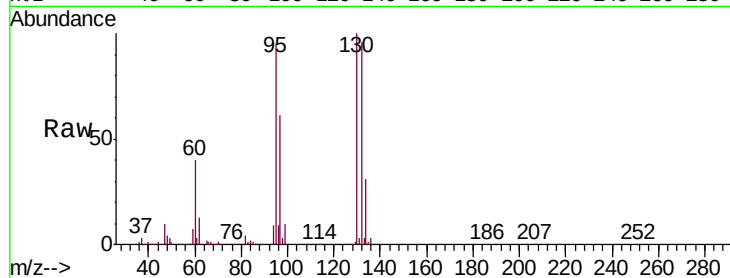
Ion Ratio Lower Upper

95 100

97 64.2 45.2 84.0

132 101.9 70.6 131.2

130 105.6 75.5 140.3

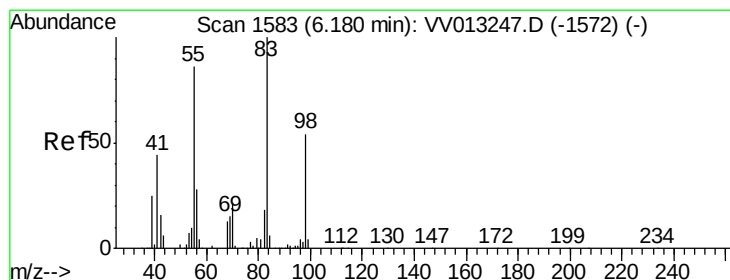
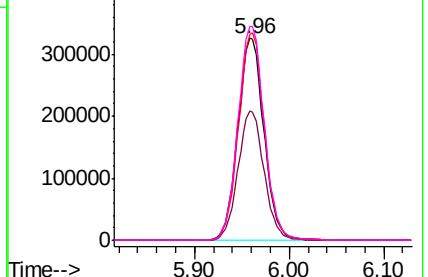
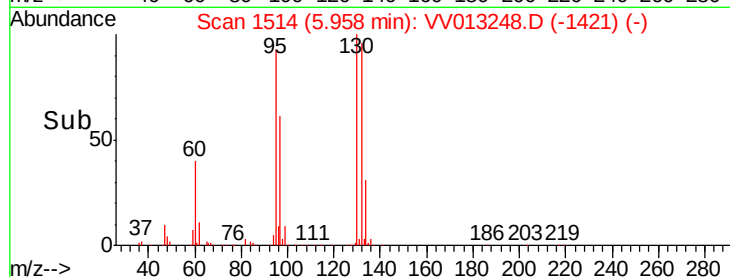


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 11.534 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

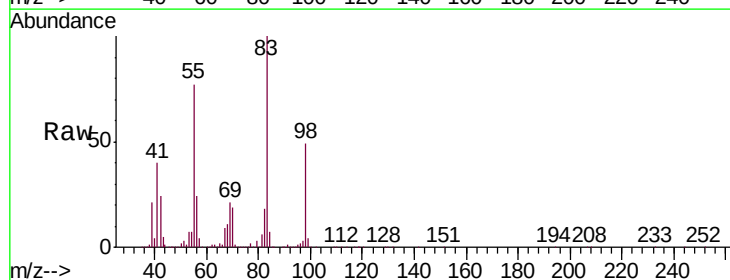
Tgt Ion: 83 Resp: 1045611

Ion Ratio Lower Upper

83 100

55 76.1 62.4 93.6

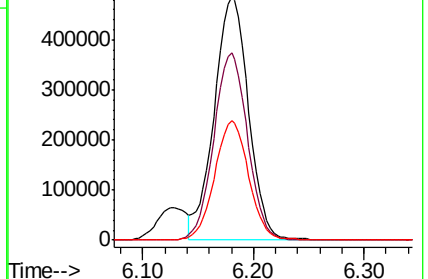
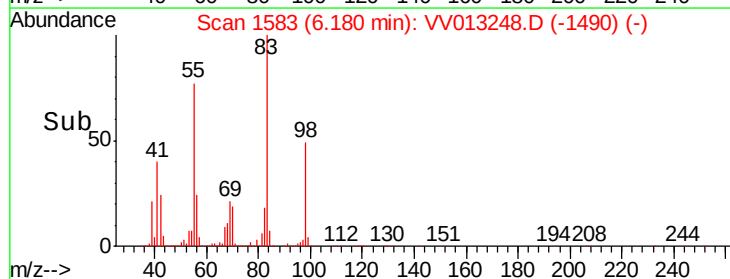
98 48.8 39.2 58.8

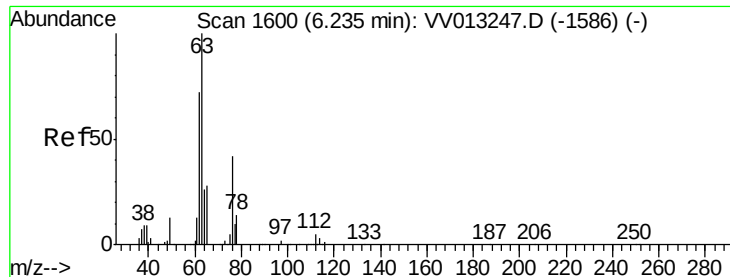


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

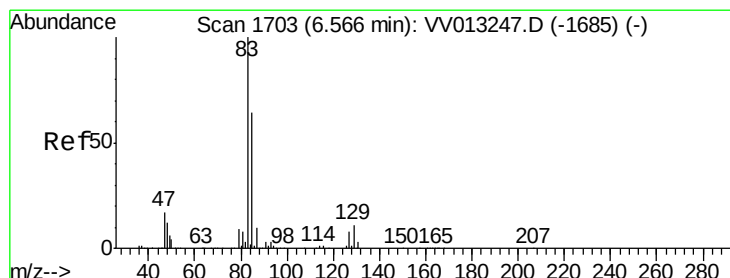
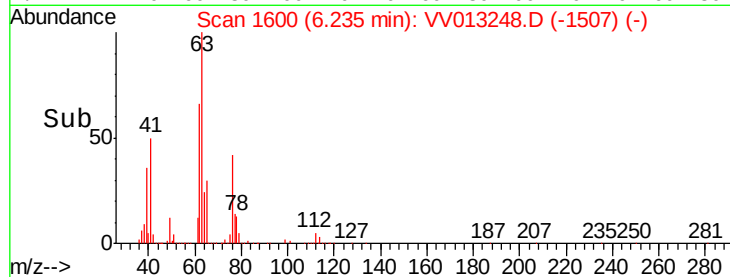
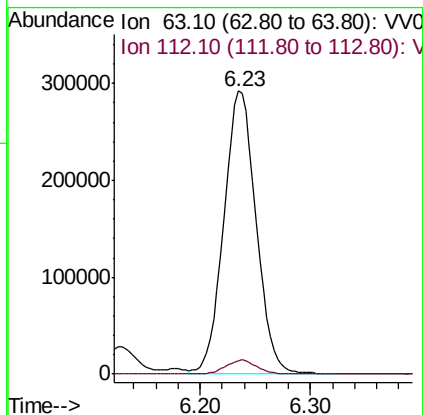
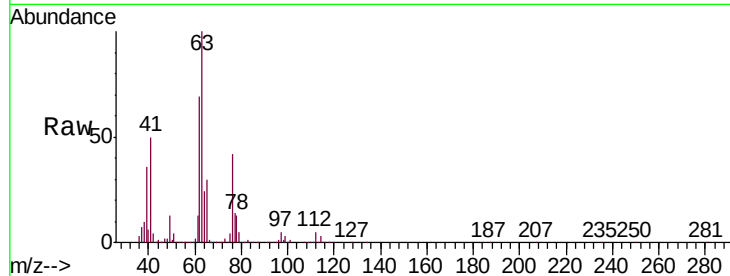




#37
 1,2-Dichloropropane
 Concen: 10.533 ug/L
 RT: 6.23 min Scan# 1600
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

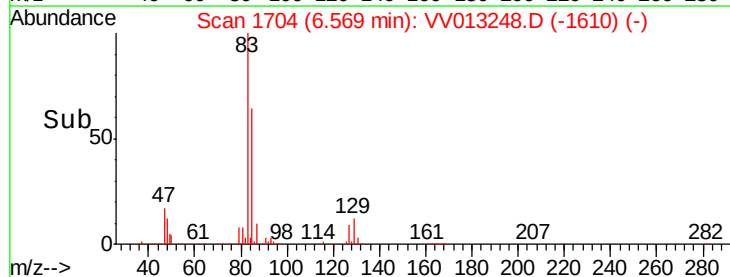
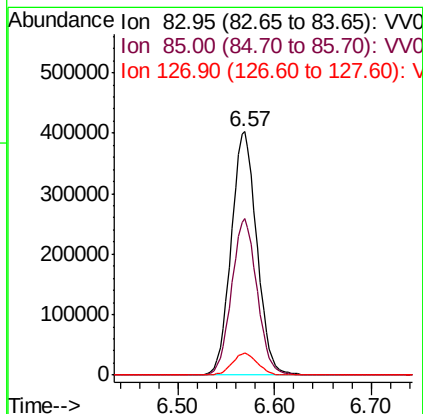
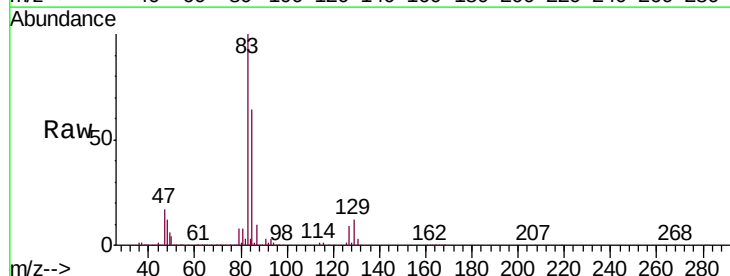
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

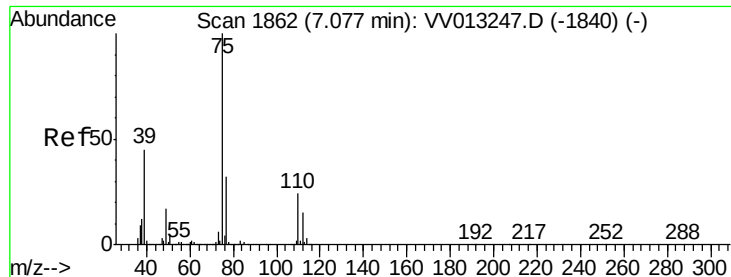
Tgt Ion: 63 Resp: 590678
 Ion Ratio Lower Upper
 63 100
 112 4.6 4.1 6.1



#38
 Bromodichloromethane
 Concen: 10.367 ug/L
 RT: 6.57 min Scan# 1704
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Tgt Ion: 83 Resp: 739176
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.4 82.5
 127 8.9 6.6 10.0



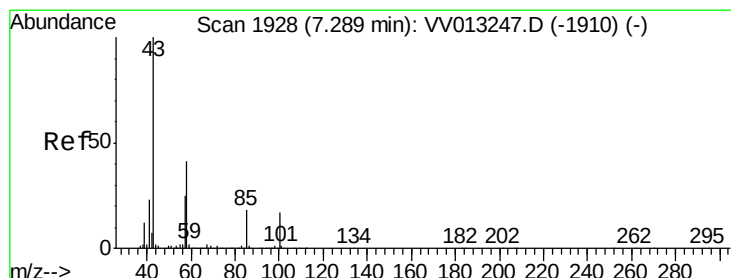
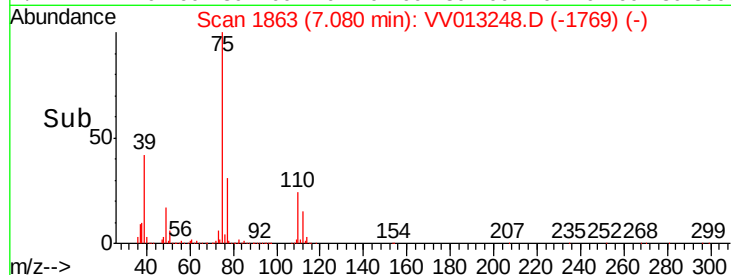
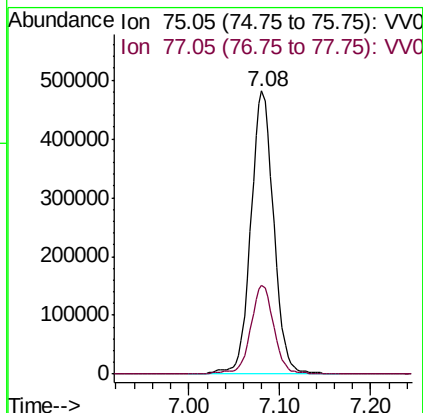
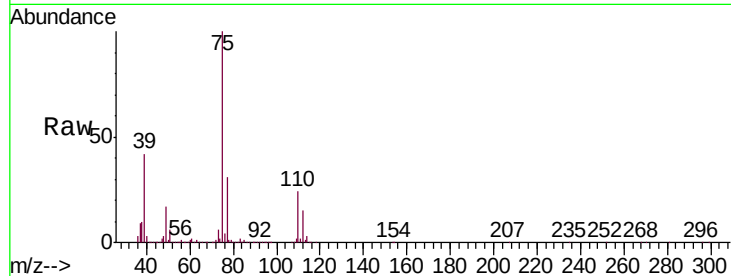


#39

cis-1,3-Dichloropropene
Concen: 11.202 ug/L
RT: 7.08 min Scan# 1863
Delta R.T. 0.00 min
Lab File: VV013248.D
Acq: 21 Oct 2019 16:59

Instrument :
MSVOA_V
ClientSampleId :
VSTD01034

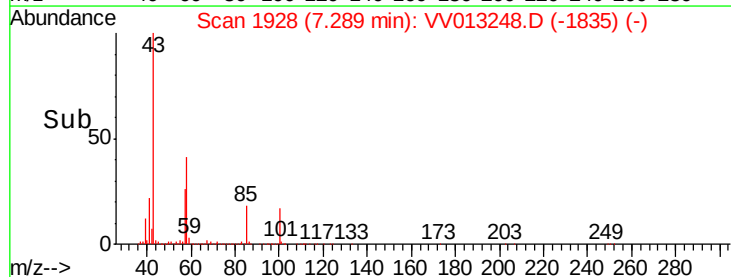
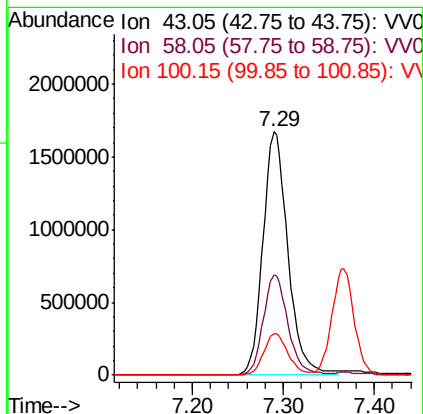
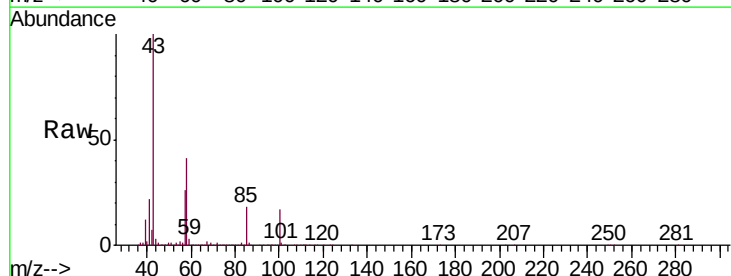
Tgt Ion: 75 Resp: 840636
Ion Ratio Lower Upper
75 100
77 31.3 22.6 42.0

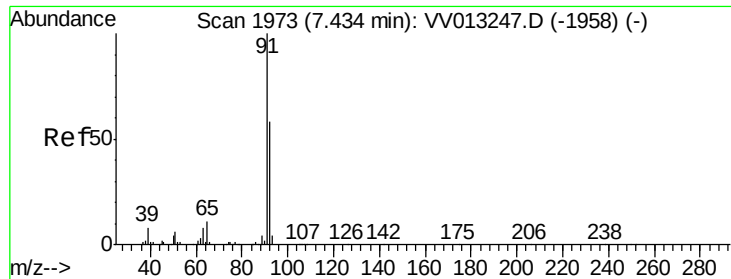


#40

4-Methyl-2-pentanone
Concen: 106.436 ug/L
RT: 7.29 min Scan# 1928
Delta R.T. 0.00 min
Lab File: VV013248.D
Acq: 21 Oct 2019 16:59

Tgt Ion: 43 Resp: 3184387
Ion Ratio Lower Upper
43 100
58 40.7 30.7 46.1
100 16.7 12.4 18.6





#42

Toluene

Concen: 11.073 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

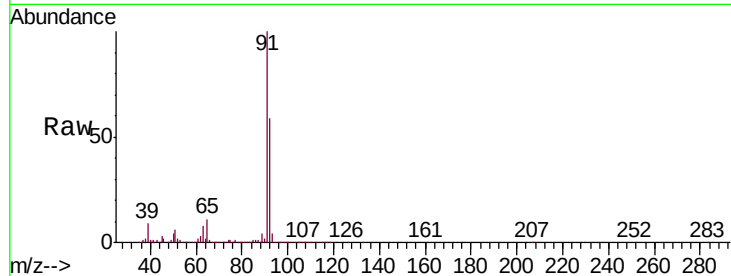
VSTD01034

Tgt Ion: 91 Resp: 2604288

Ion Ratio Lower Upper

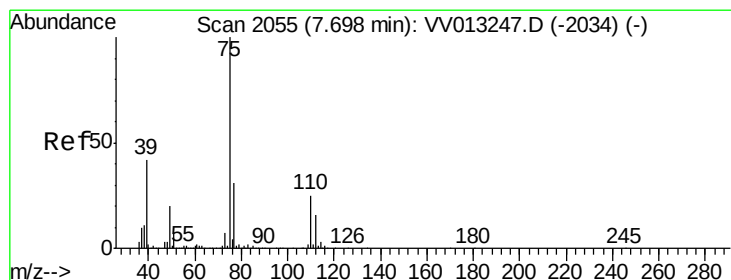
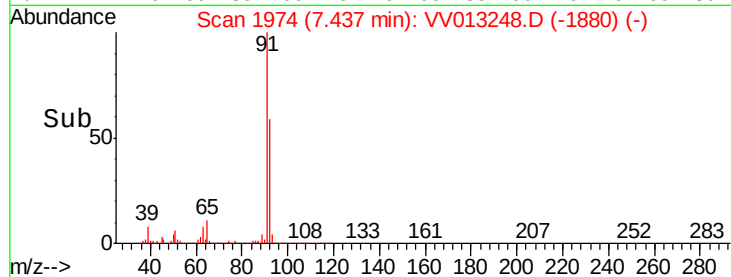
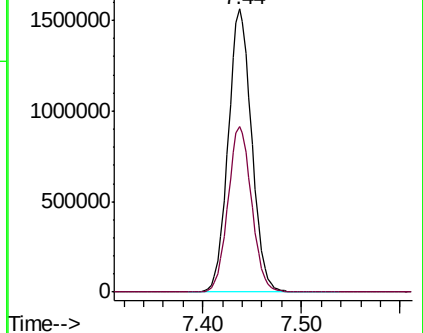
91 100

92 58.5 40.5 75.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 11.148 ug/L

RT: 7.70 min Scan# 2056

Delta R.T. 0.00 min

Lab File: VV013248.D

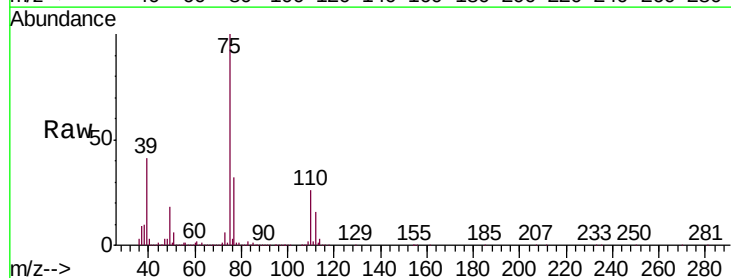
Acq: 21 Oct 2019 16:59

Tgt Ion: 75 Resp: 641812

Ion Ratio Lower Upper

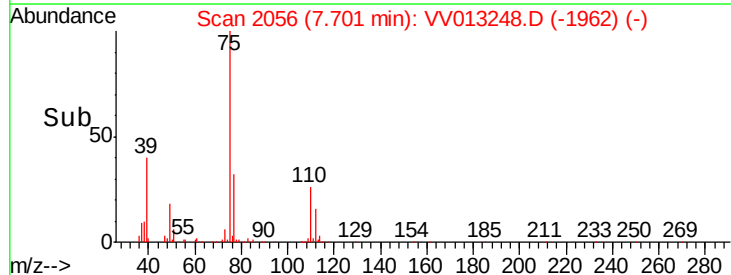
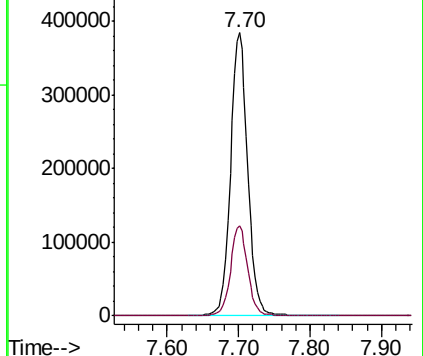
75 100

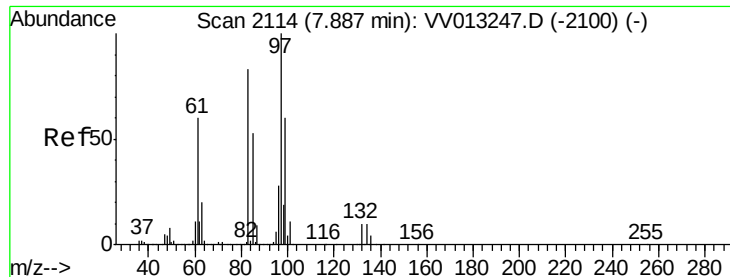
77 31.8 21.8 40.6



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 10.317 ug/L

RT: 7.89 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

Tgt Ion: 97 Resp: 399521

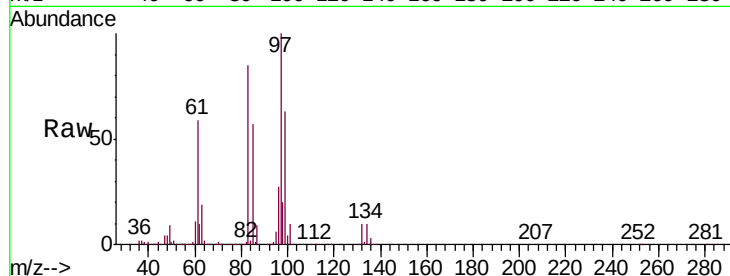
Ion Ratio Lower Upper

97 100

99 62.7 42.2 78.4

83 85.0 58.4 108.4

85 56.6 37.0 68.6

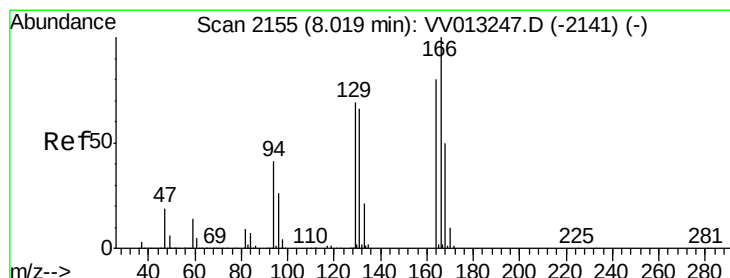
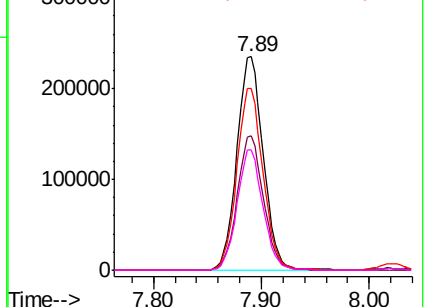
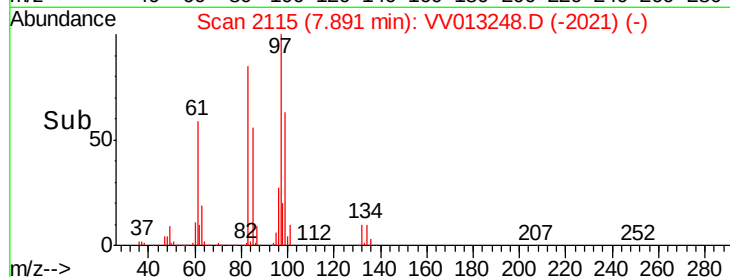


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 10.768 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Tgt Ion: 164 Resp: 564402

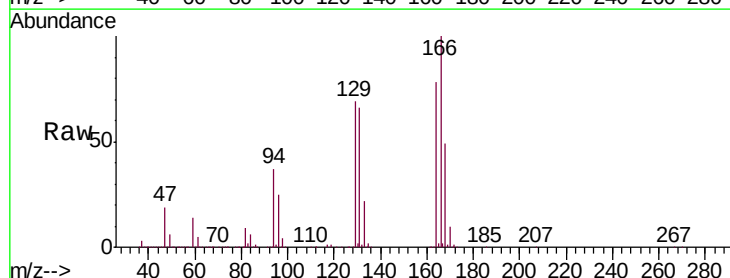
Ion Ratio Lower Upper

164 100

129 88.5 61.0 113.2

131 84.1 57.5 106.9

166 127.4 87.8 163.0

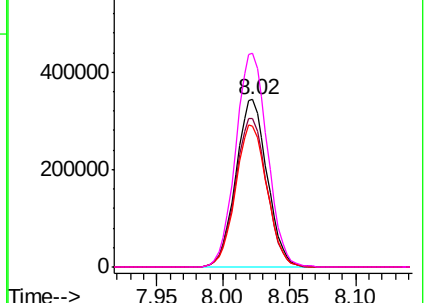
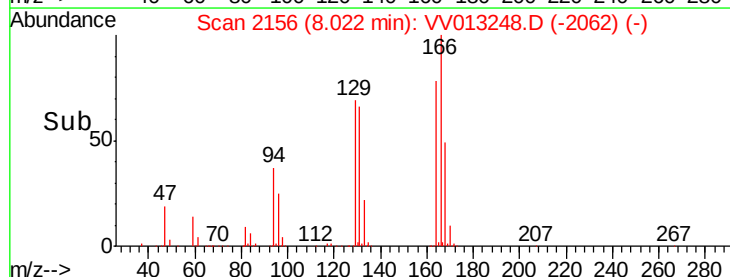


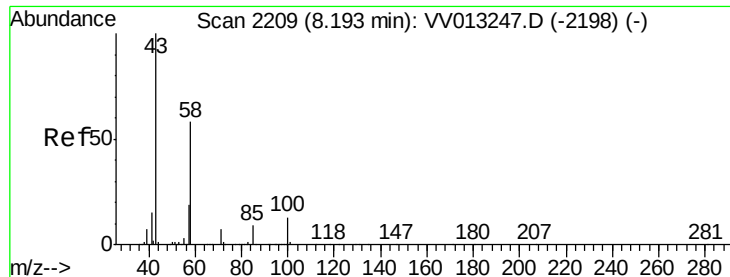
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



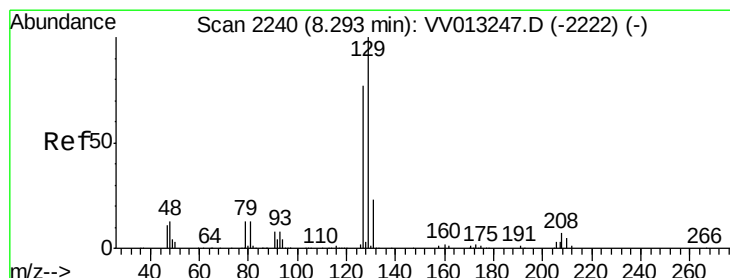
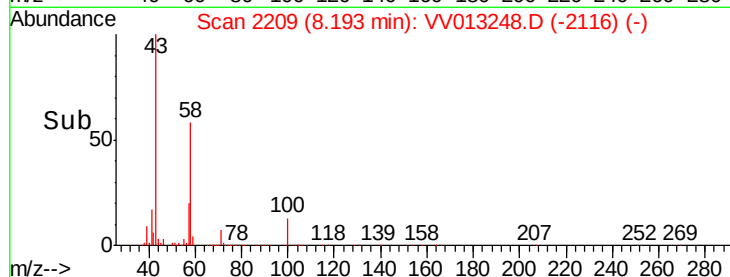
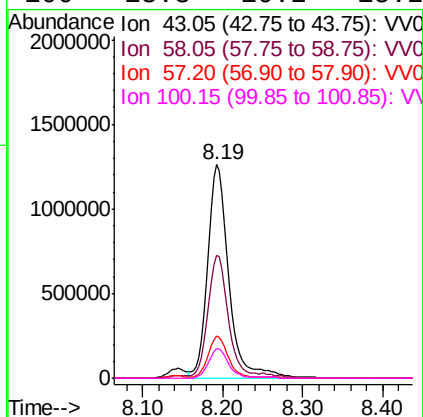
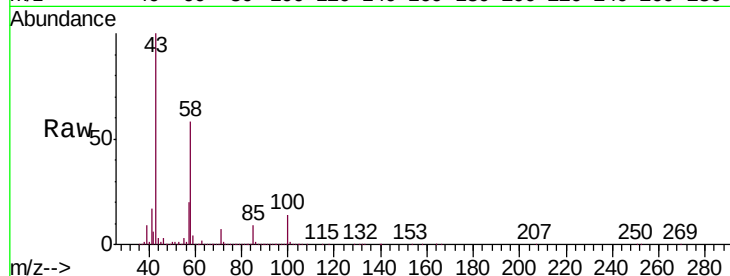


#48
 2-Hexanone
 Concen: 107.575 ug/L
 RT: 8.19 min Scan# 2209
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

Tgt Ion: 43 Resp: 2323745

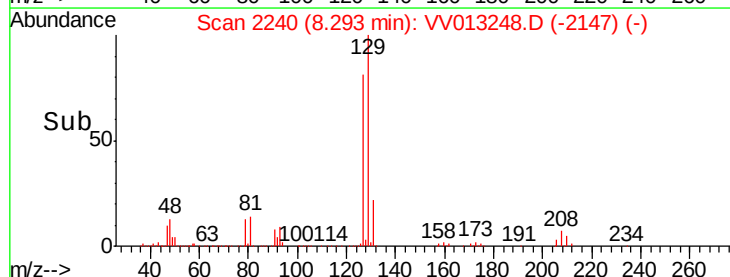
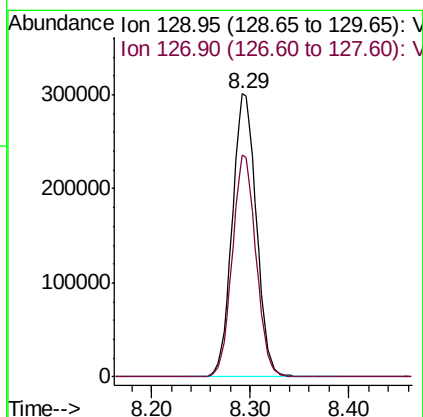
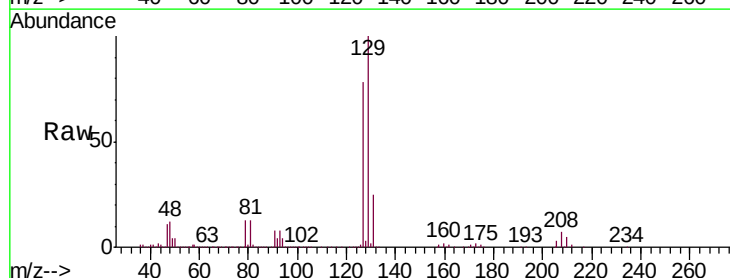
Ion	Ratio	Lower	Upper
43	100		
58	52.5	45.1	67.7
57	19.6	15.5	23.3
100	13.3	10.2	15.2

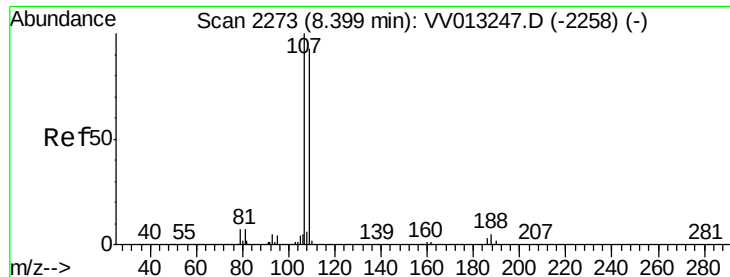


#49
 Dibromochloromethane
 Concen: 10.961 ug/L
 RT: 8.29 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Tgt Ion: 129 Resp: 508933

Ion	Ratio	Lower	Upper
129	100		
127	78.3	54.1	100.5





#50

1,2-Dibromoethane

Concen: 10.675 ug/L

RT: 8.40 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

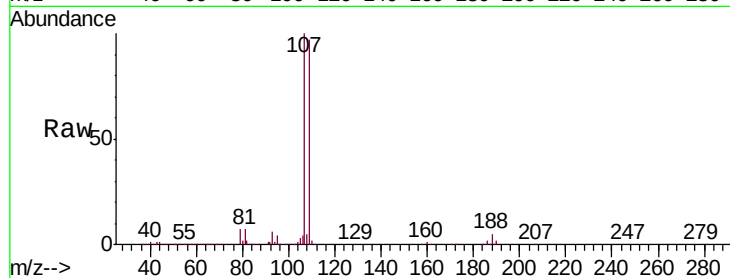
Tgt Ion:107 Resp: 373657

Ion Ratio Lower Upper

107 100

109 97.4 65.5 121.6

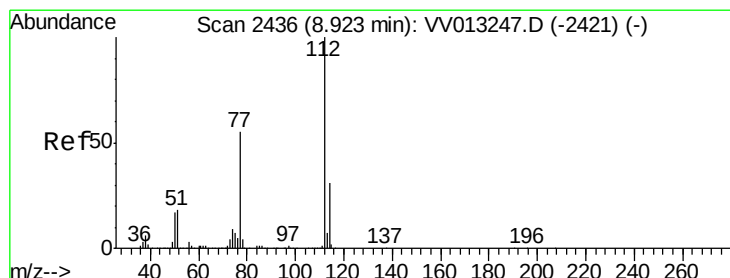
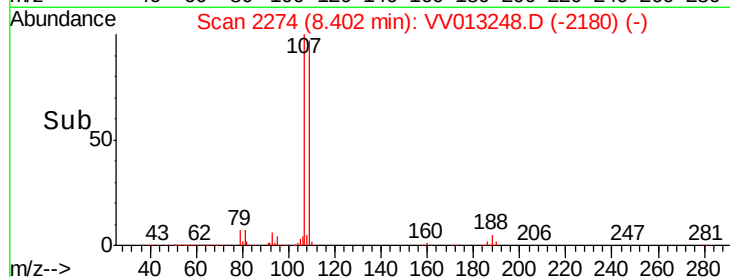
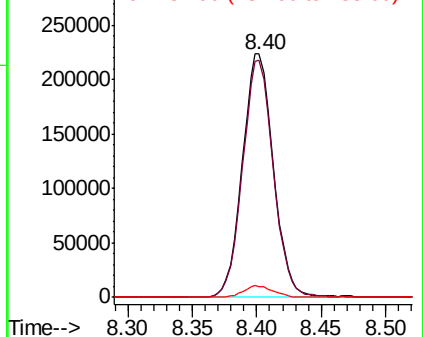
188 4.6 3.7 5.5



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: 10.705 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

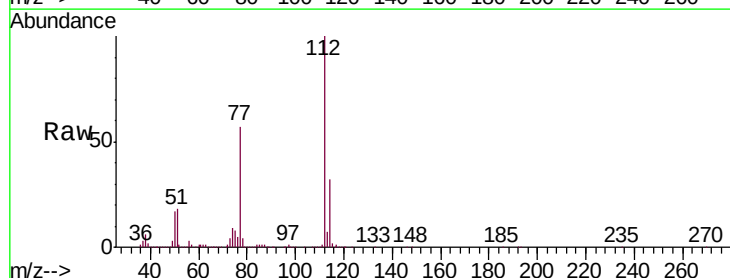
Tgt Ion:112 Resp: 1627181

Ion Ratio Lower Upper

112 100

114 32.0 21.8 40.6

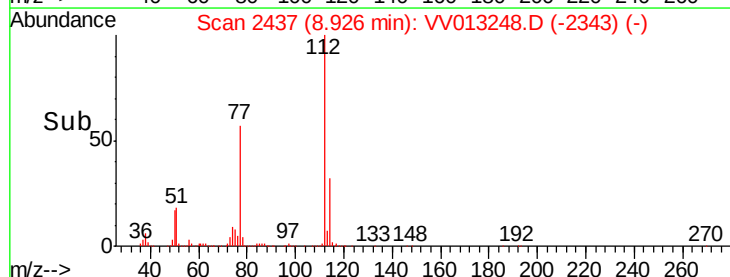
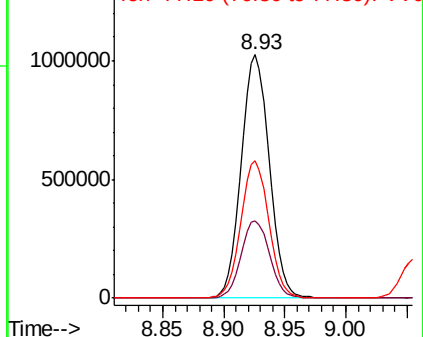
77 56.6 44.4 66.6

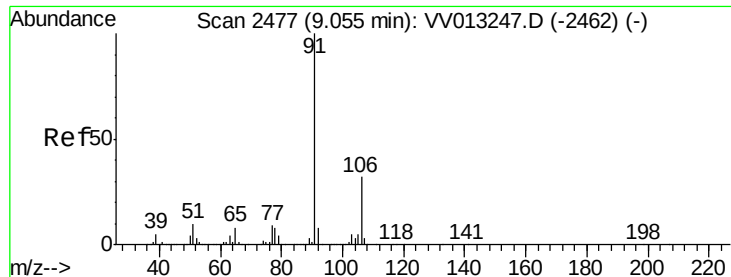


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 11.448 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

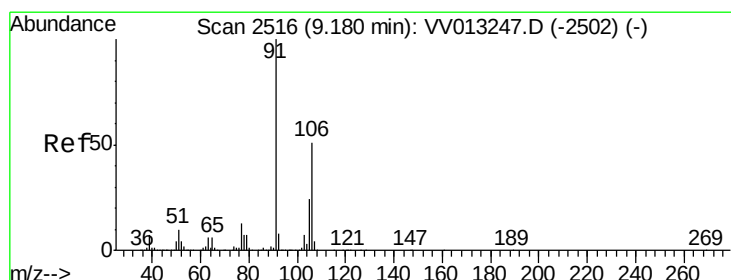
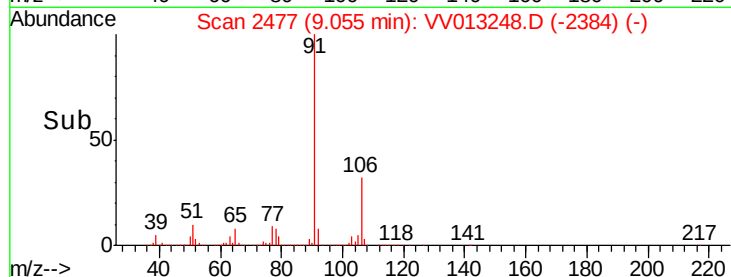
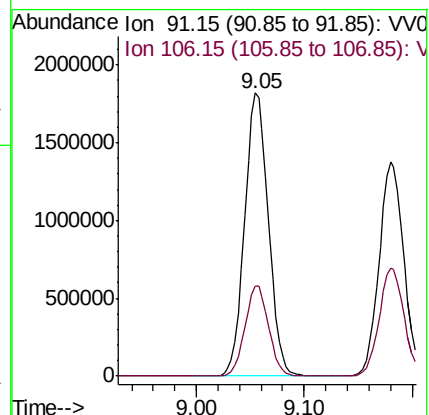
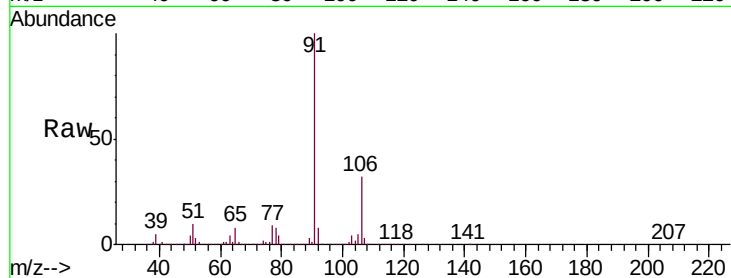
VSTD01034

Tgt Ion: 91 Resp: 2797473

Ion Ratio Lower Upper

91 100

106 31.9 22.4 41.6



#53

m,p-xylene

Concen: 11.916 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013248.D

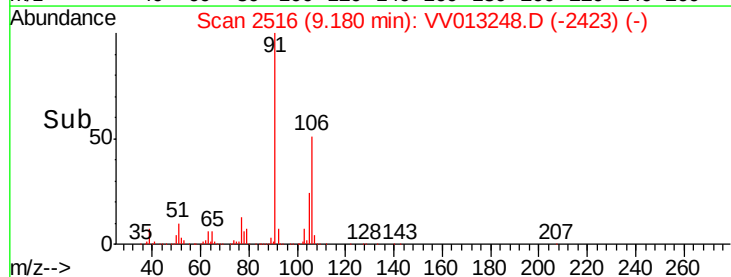
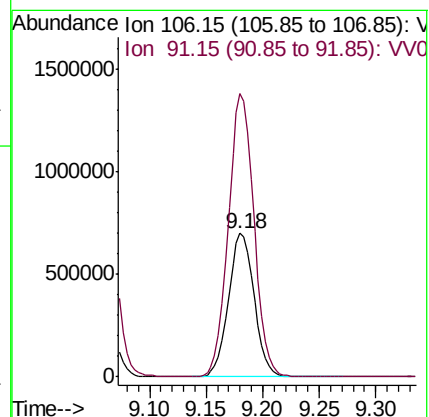
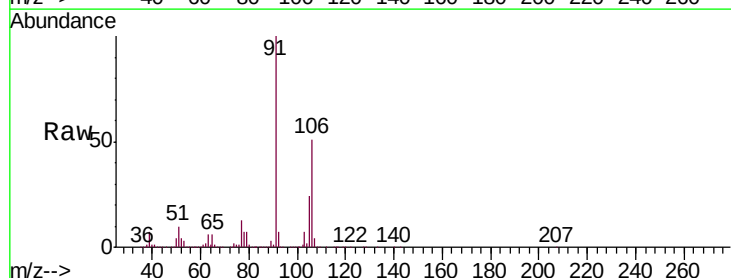
Acq: 21 Oct 2019 16:59

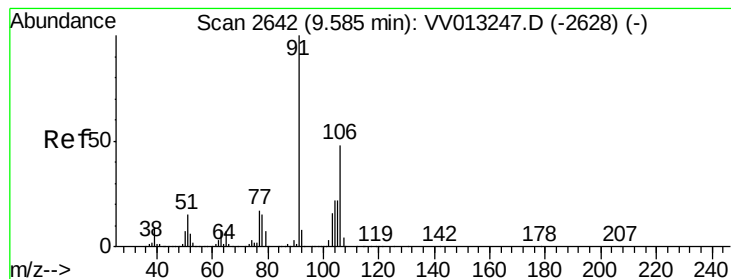
Tgt Ion: 106 Resp: 1102602

Ion Ratio Lower Upper

106 100

91 197.6 137.8 255.8





#54

o-xylene

Concen: 11.749 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

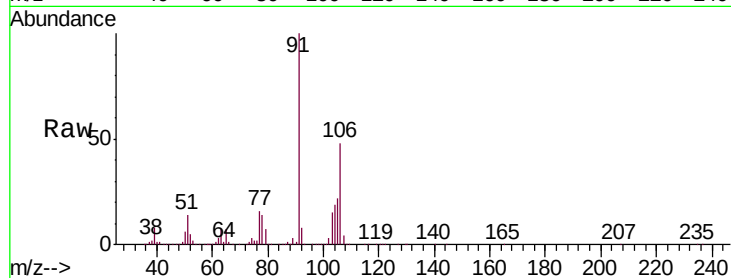
VSTD01034

Tgt Ion:106 Resp: 1048439

Ion Ratio Lower Upper

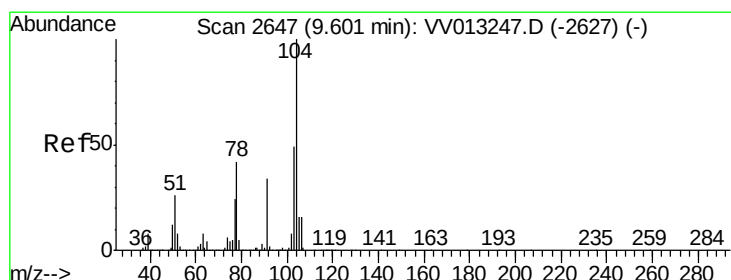
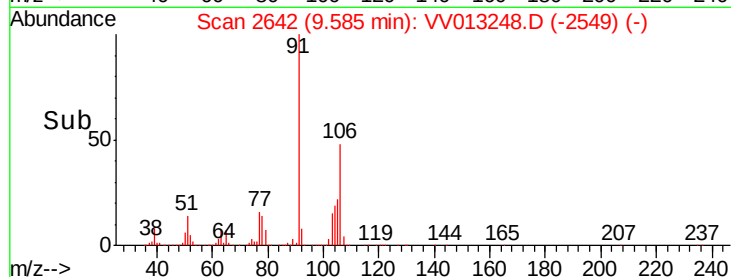
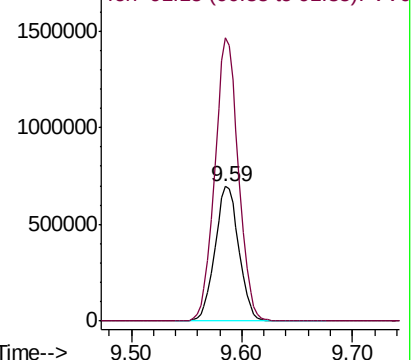
106 100

91 210.0 147.0 273.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 12.220 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013248.D

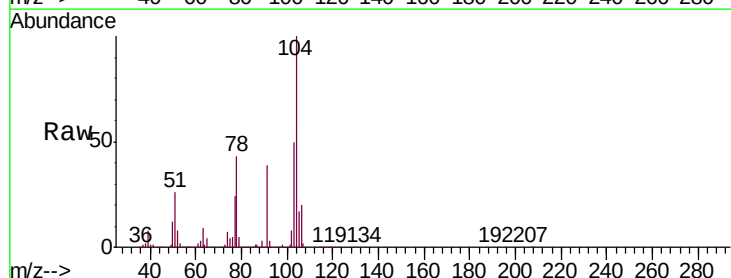
Acq: 21 Oct 2019 16:59

Tgt Ion:104 Resp: 1833045

Ion Ratio Lower Upper

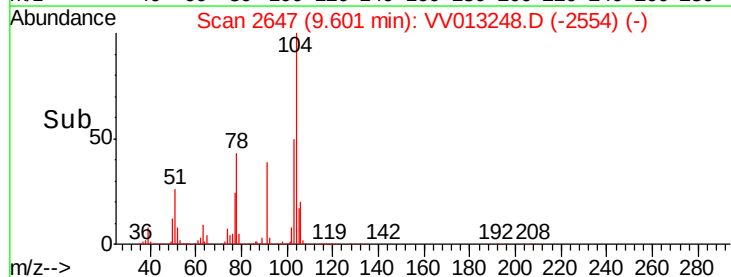
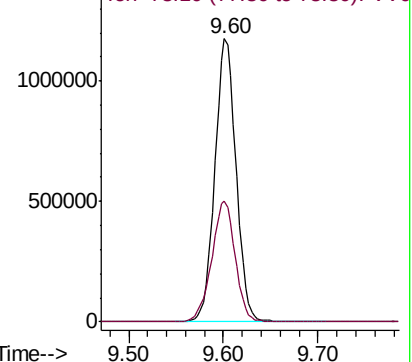
104 100

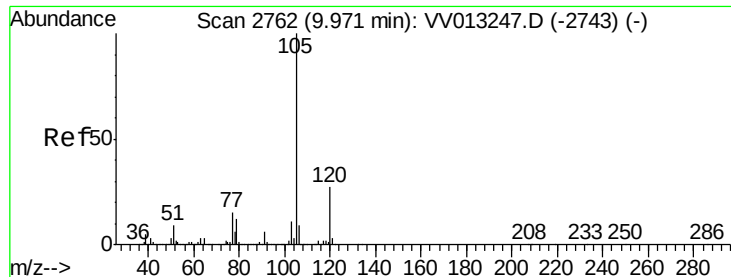
78 42.9 29.6 55.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 11.841 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

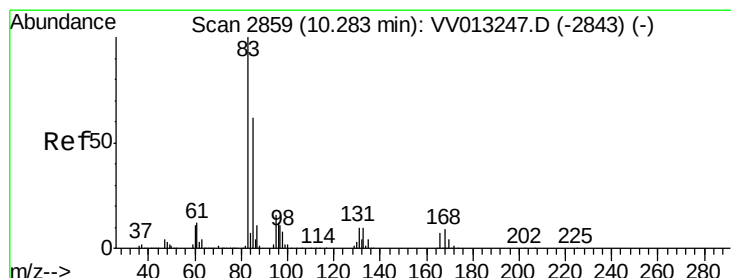
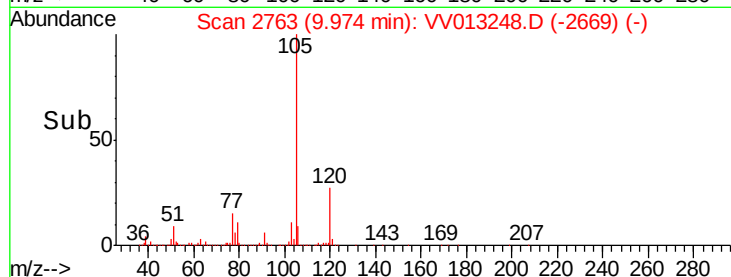
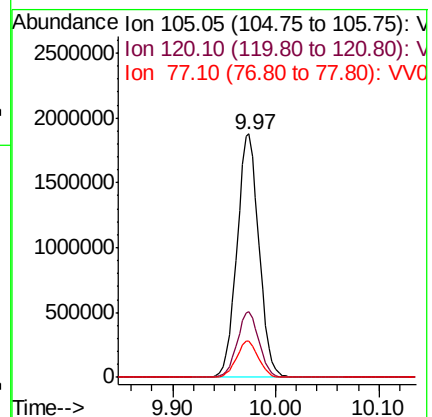
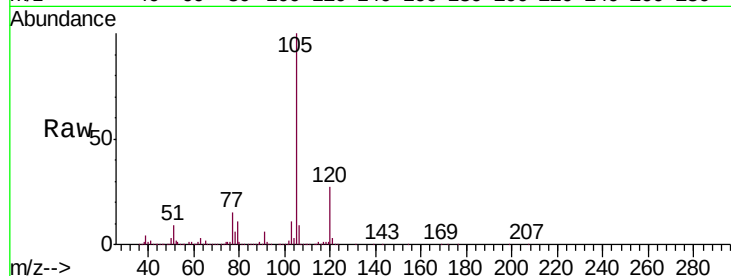
Tgt Ion: 105 Resp: 2787260

Ion Ratio Lower Upper

105 100

120 26.8 21.8 32.6

77 14.8 12.0 18.0



#58

1,1,2,2-Tetrachloroethane

Concen: 10.158 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

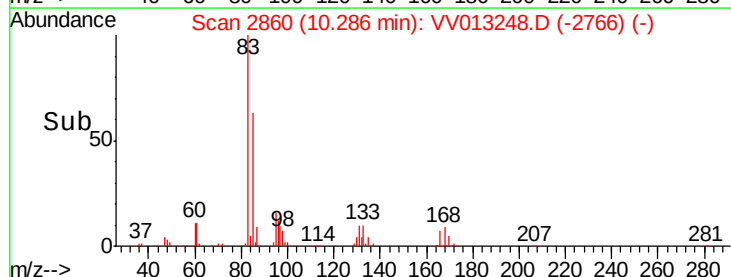
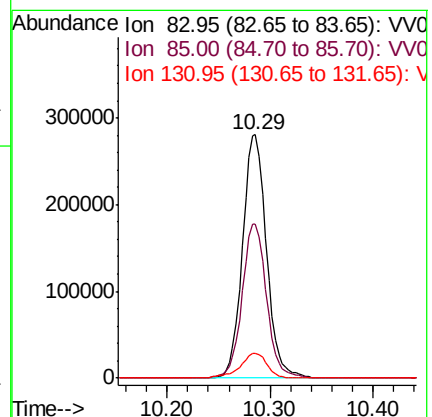
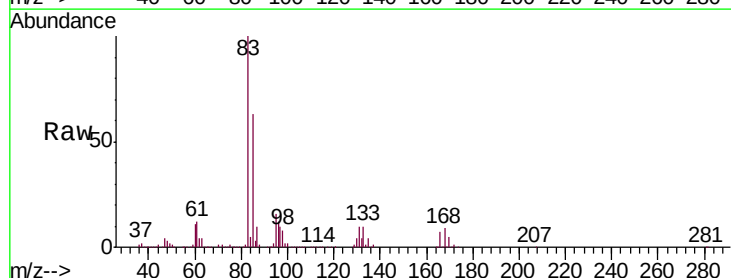
Tgt Ion: 83 Resp: 454658

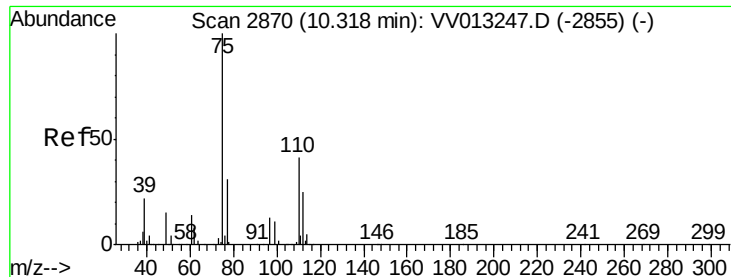
Ion Ratio Lower Upper

83 100

85 63.4 43.3 80.3

131 10.2 8.3 12.5

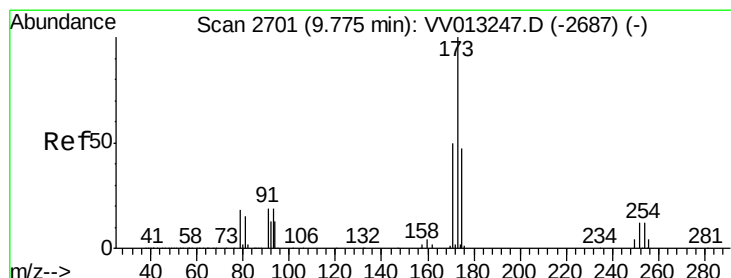
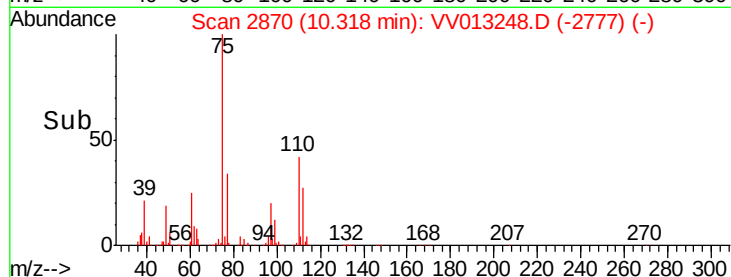
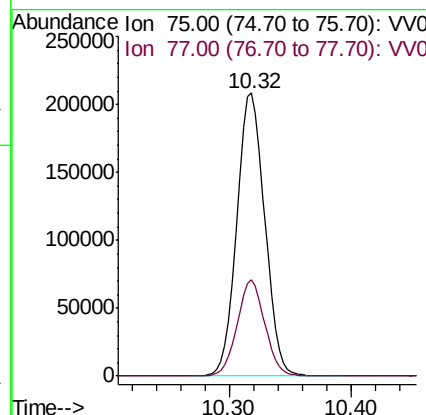
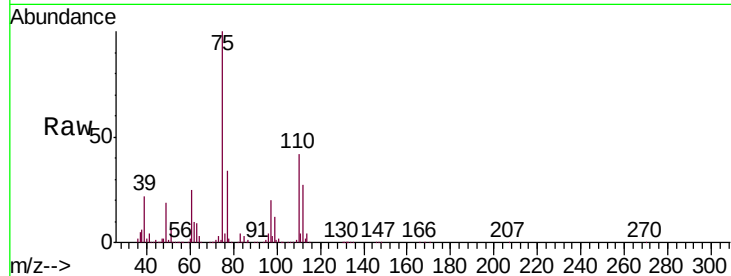




#59
 1,2,3-Trichloropropane
 Concen: 10.202 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

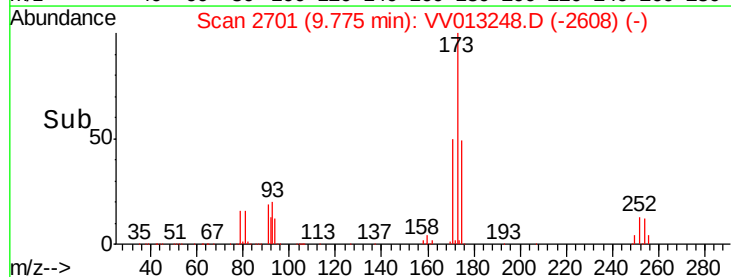
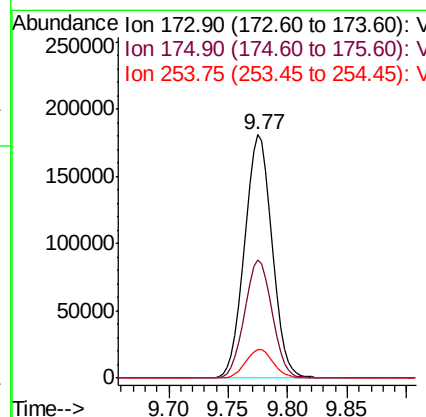
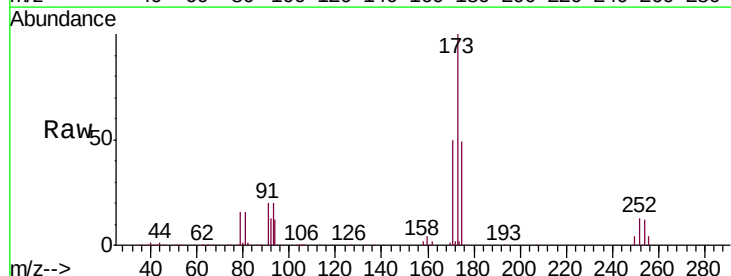
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

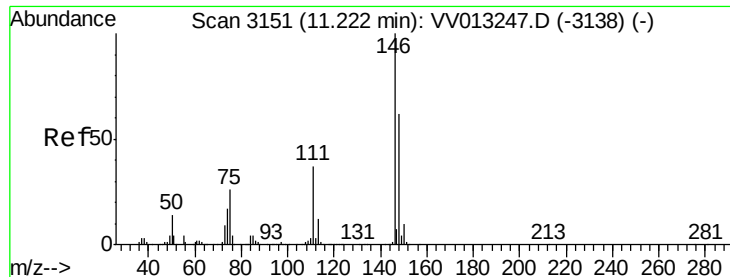
Tgt Ion: 75 Resp: 332194
 Ion Ratio Lower Upper
 75 100
 77 33.1 24.7 37.1



#61
 Bromoform
 Concen: 9.768 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Tgt Ion: 173 Resp: 290926
 Ion Ratio Lower Upper
 173 100
 175 48.5 38.8 58.2
 254 11.9 9.8 14.8

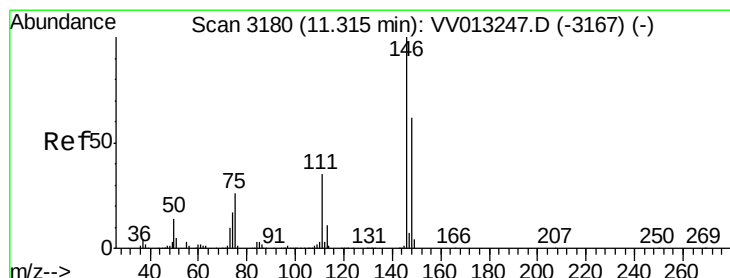
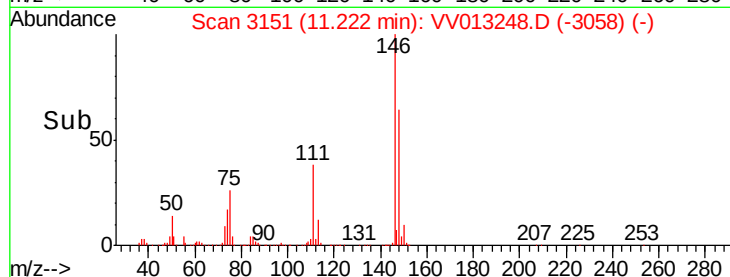
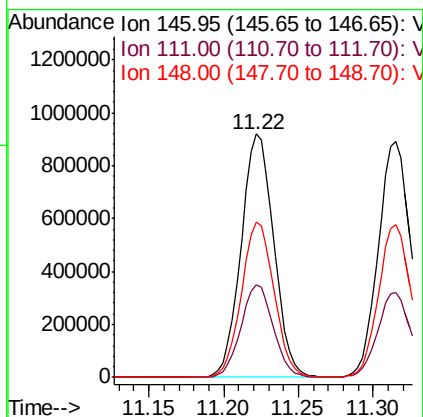
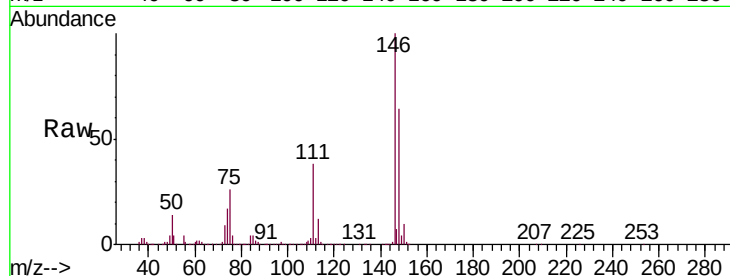




#62
 1,3-Dichlorobenzene
 Concen: 10.635 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

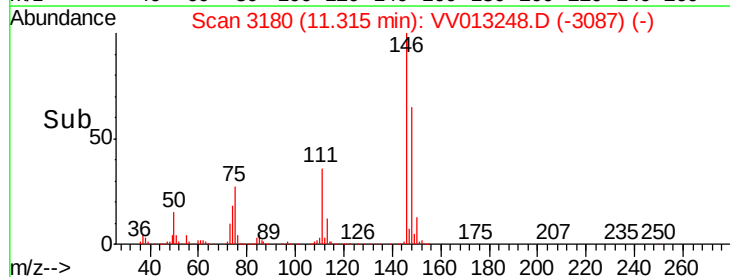
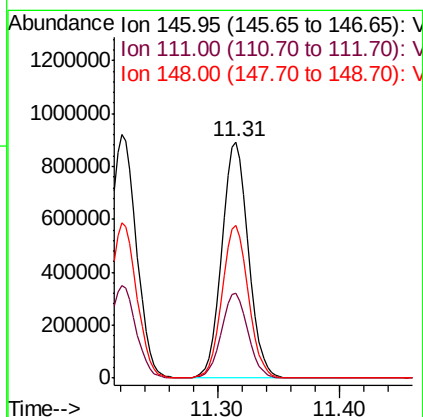
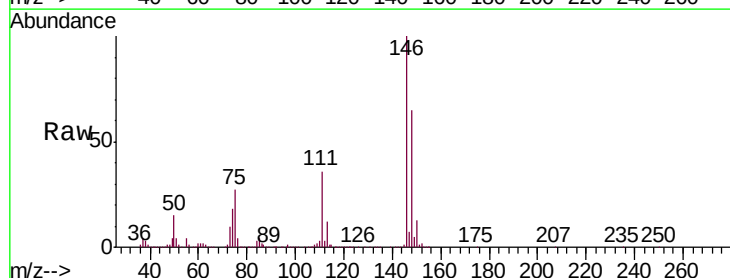
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD01034

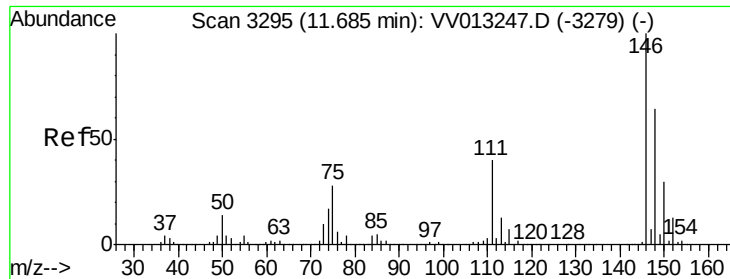
Tgt Ion:146 Resp: 1400097
 Ion Ratio Lower Upper
 146 100
 111 37.9 25.8 47.8
 148 63.8 43.8 81.3



#63
 1,4-Dichlorobenzene
 Concen: 10.359 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Tgt Ion:146 Resp: 1364011
 Ion Ratio Lower Upper
 146 100
 111 35.8 24.6 45.6
 148 64.6 43.3 80.5

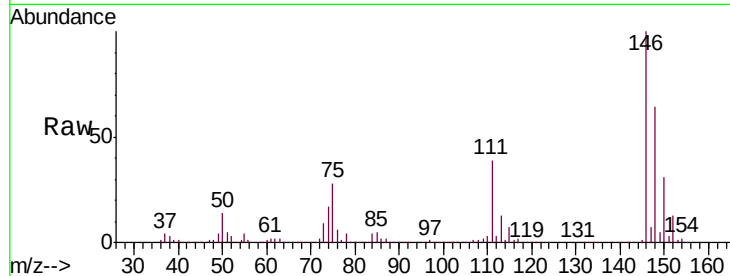




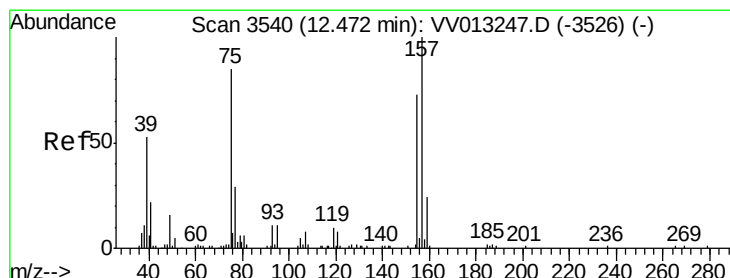
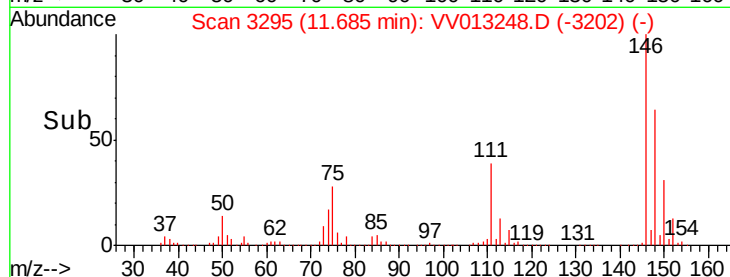
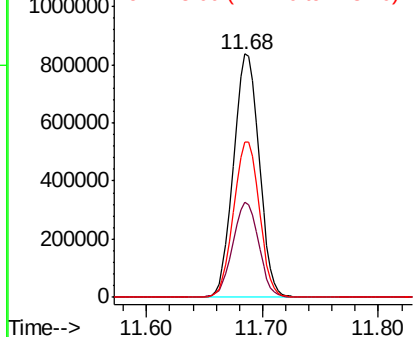
#65
 1,2-Dichlorobenzene
 Concen: 10.256 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01034

Tgt Ion: 146 Resp: 1276215
 Ion Ratio Lower Upper
 146 100
 111 38.9 31.8 47.6
 148 64.0 51.0 76.6

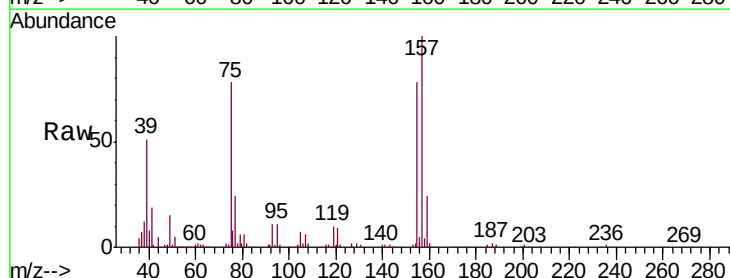


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

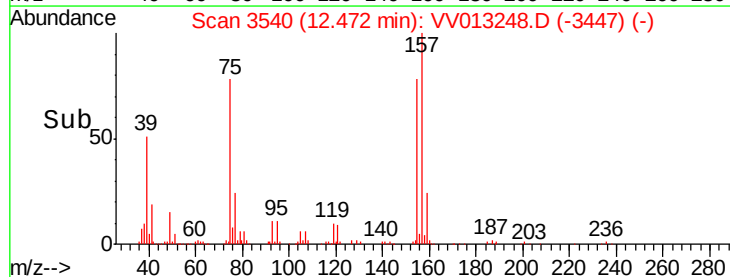
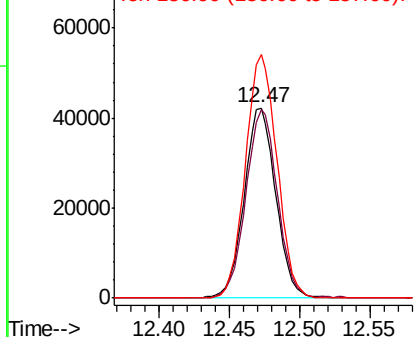


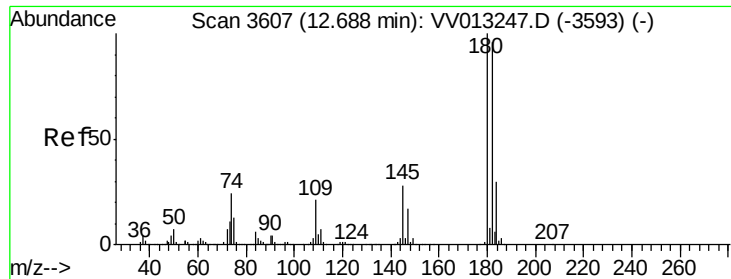
#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.568 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Tgt Ion: 75 Resp: 66541
 Ion Ratio Lower Upper
 75 100
 155 99.5 69.3 103.9
 157 128.0 94.3 141.5



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

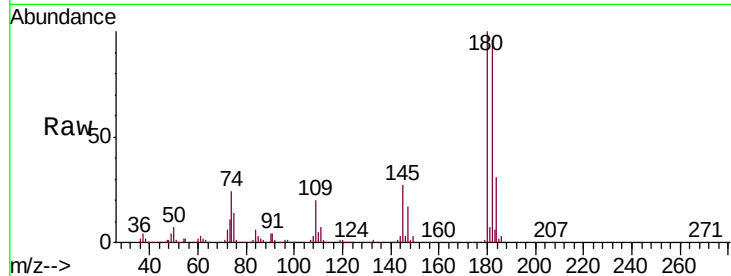




#67
 1,3,5-Trichlorobenzene
 Concen: 10.352 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01034

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
184	30.9	24.0	36.0
145	26.5	21.8	32.8



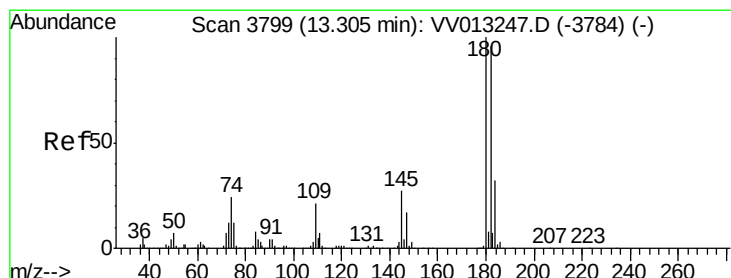
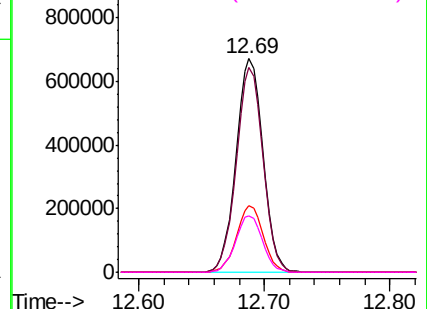
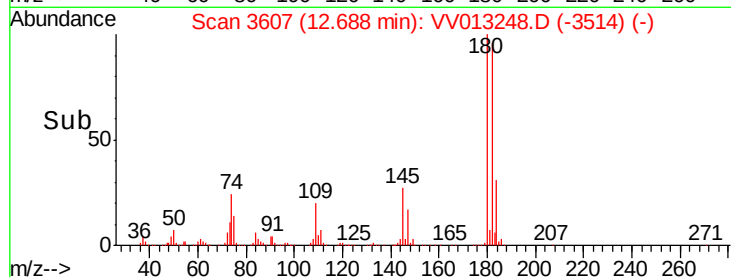
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

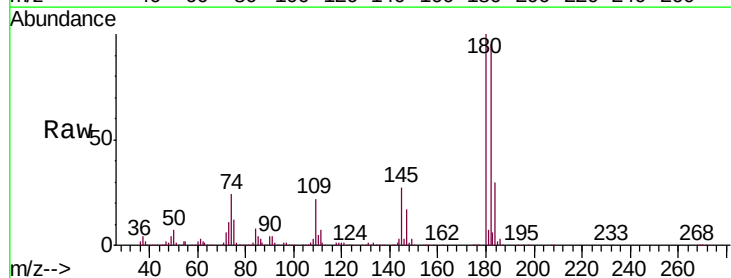
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 10.724 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013248.D
 Acq: 21 Oct 2019 16:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	27.4	22.1	33.1

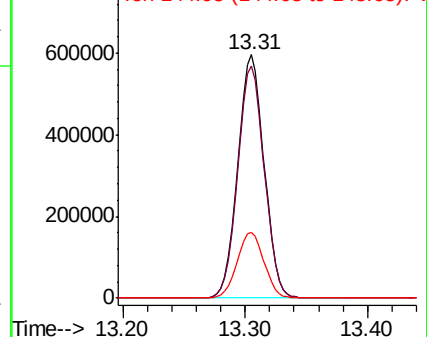
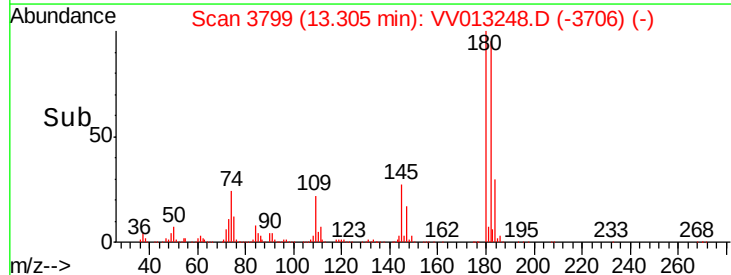


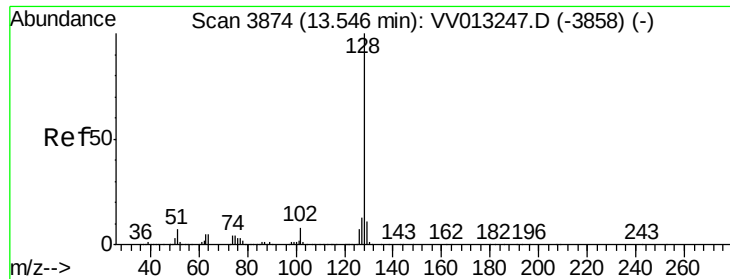
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 10.659 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

Instrument :

MSVOA_V

ClientSampleId :

VSTD01034

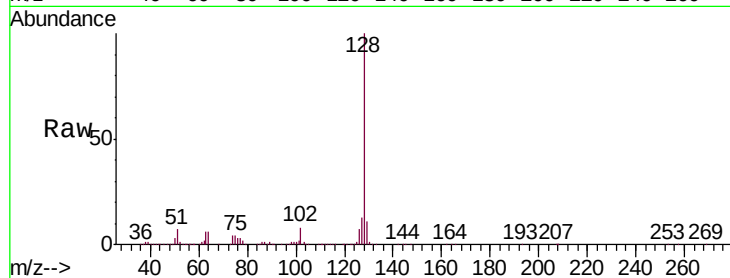
Tgt Ion:128 Resp: 1355109

Ion Ratio Lower Upper

128 100

129 10.6 9.0 13.6

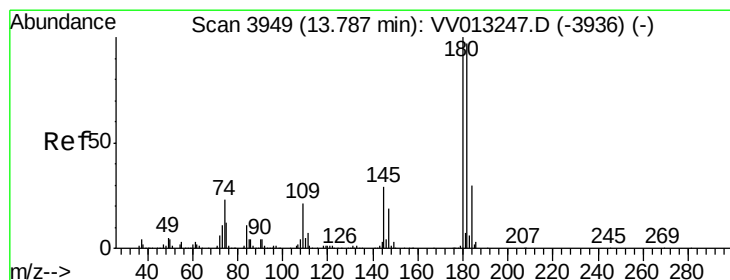
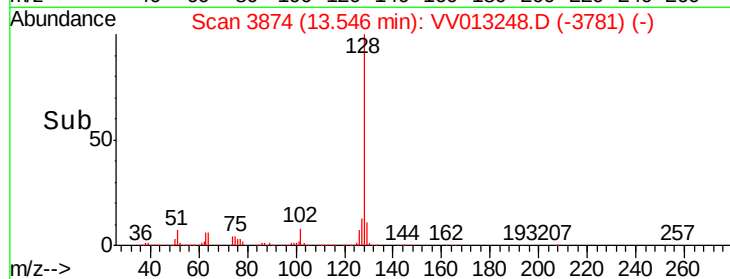
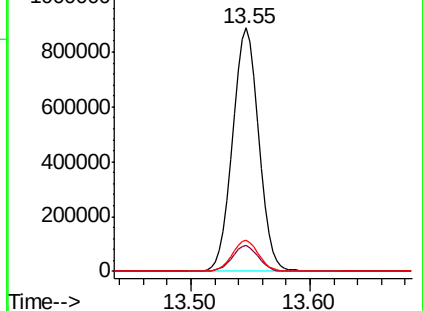
127 12.8 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 10.116 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013248.D

Acq: 21 Oct 2019 16:59

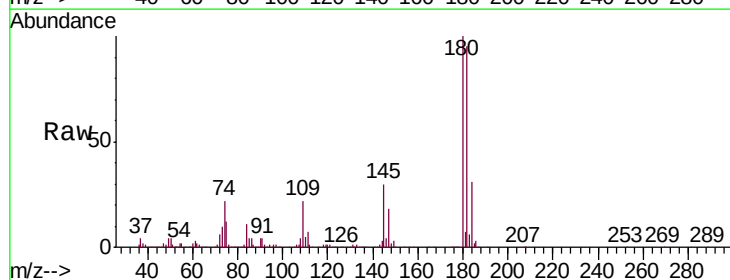
Tgt Ion:180 Resp: 837257

Ion Ratio Lower Upper

180 100

182 95.9 76.5 114.7

145 29.8 23.5 35.3



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

