

Data File : VR026647.D
Acq On : 17 Sep 2019 19:50
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00572

Quant Time: Sep 18 07:15:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 18 07:10:19 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	322810	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	252098	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	125542	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	44339	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	2.63	69	43530	5.55	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.00%
11) 1,1-Dichloroethene-d2	3.64	63	126271	5.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.00%
20) 2-Butanone-d5	6.62	46	87092	45.27	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.54%
24) Chloroform-d	7.23	84	172998	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	7.91	65	55362	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	7.88	84	313242	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.60%
36) 1,2-Dichloropropane-d6	8.92	67	82116	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	9.99	98	238179	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	10.24	79	16500	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	10.61	63	55817	48.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.72%
57) 1,1,2,2-Tetrachloroethane-	12.37	84	43122	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	13.53	152	62832	3.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.80%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.86	85	167409	4.588	ug/L 97
3) Chloromethane	2.06	50	77945	4.092	ug/L 99
5) Vinyl chloride	2.20	62	81299	4.259	ug/L 96
6) Bromomethane	2.54	94	53152	4.431	ug/L 94
8) Chloroethane	2.67	64	50144	4.554	ug/L 93
9) Trichlorofluoromethane	2.99	101	160866	4.871	ug/L 98
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	66610	4.602	ug/L 97
12) 1,1-Dichloroethene	3.67	96	61109	4.291	ug/L 89
13) Acetone	3.73	43	65742	45.443	ug/L 97
14) Carbon disulfide	3.99	76	207154	3.398	ug/L 98
15) Methyl Acetate	4.23	43	26263	4.323	ug/L 92
16) Methylene chloride	4.43	84	130701	4.411	ug/L 97
17) Methyl tert-butyl Ether	4.93	73	131727	4.280	ug/L 96
18) trans-1,2-Dichloroethene	4.91	96	131045	4.404	ug/L 87
19) 1,1-Dichloroethane	5.73	63	234078	4.195	ug/L 96
21) 2-Butanone	6.72	43	116222	43.979	ug/L 98
22) cis-1,2-Dichloroethene	6.70	96	125488	4.400	ug/L # 98

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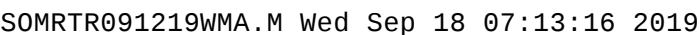
Instrument :
MSVOA_R
ClientSampleId :
VSTD00572

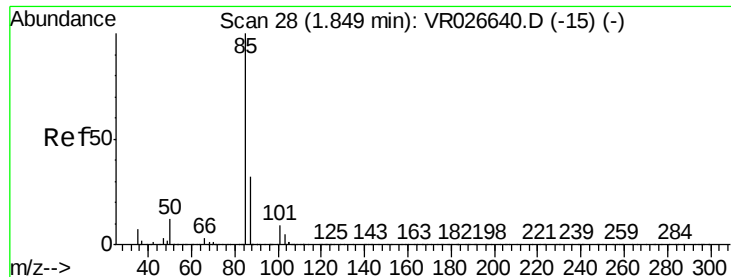
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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.08	128	37759	4.761	ug/L	94
25) Chloroform	7.25	83	228393	4.271	ug/L	99
27) 1,2-Dichloroethane	8.01	62	88728	4.717	ug/L #	94
29) 1,1,1-Trichloroethane	7.45	97	177857	4.386	ug/L	97
30) Cyclohexane	7.54	56	191430	4.427	ug/L	98
31) Carbon tetrachloride	7.66	117	161552	4.704	ug/L	98
33) Benzene	7.93	78	515613	4.613	ug/L	100
34) Trichloroethene	8.73	95	125810	4.518	ug/L	95
35) Methylcyclohexane	8.97	83	195729	4.668	ug/L	99
37) 1,2-Dichloropropane	9.02	63	100726	4.462	ug/L	98
38) Bromodichloromethane	9.30	83	114004	4.743	ug/L	96
39) cis-1,3-Dichloropropene	9.74	75	102873	4.299	ug/L	99
40) 4-Methyl-2-pentanone	9.89	43	267442	47.302	ug/L	99
42) Toluene	10.05	91	476483	4.880	ug/L	100
44) trans-1,3-Dichloropropene	10.28	75	66781	4.342	ug/L	100
45) 1,1,2-Trichloroethane	10.46	97	44373	4.613	ug/L	92
47) Tetrachloroethene	10.53	164	74626	4.539	ug/L	98
48) 2-Hexanone	10.65	43	166175	46.241	ug/L	98
49) Dibromochloromethane	10.80	129	50150	4.782	ug/L	89
50) 1,2-Dibromoethane	10.91	107	35359	4.237	ug/L	96
51) Chlorobenzene	11.33	112	258242	4.552	ug/L	97
52) Ethylbenzene	11.41	91	531512	4.800	ug/L	100
53) m,p-Xylene	11.52	106	194223	4.904	ug/L	94
54) o-Xylene	11.84	106	189022	4.836	ug/L	98
55) Styrene	11.86	104	279146	4.981	ug/L	96
56) Isopropylbenzene	12.15	105	552285	5.001	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.40	83	52268	4.690	ug/L	99
59) 1,2,3-Trichloropropane	12.45	75	35868	4.388	ug/L	97
61) Bromoform	12.03	173	20047	4.086	ug/L	91
62) 1,3-Dichlorobenzene	13.18	146	190685	4.272	ug/L	96
63) 1,4-Dichlorobenzene	13.26	146	188094	4.240	ug/L	96
65) 1,2-Dichlorobenzene	13.55	146	161289	4.264	ug/L	99
66) 1,2-Dibromo-3-chloropropan	14.16	75	7169	3.800	ug/L	92
67) 1,3,5-Trichlorobenzene	14.31	180	162299	4.488	ug/L	98
68) 1,2,4-trichlorobenzene	14.80	180	111758	4.381	ug/L	99
69) Naphthalene	15.02	128	137343	4.049	ug/L	98
70) 1,2,3-Trichlorobenzene	15.20	180	108584	4.806	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 4.588 ug/L

RT: 1.86 min Scan# 29

Delta R.T. 0.01 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

Instrument :

MSVOA_R

ClientSampleId :

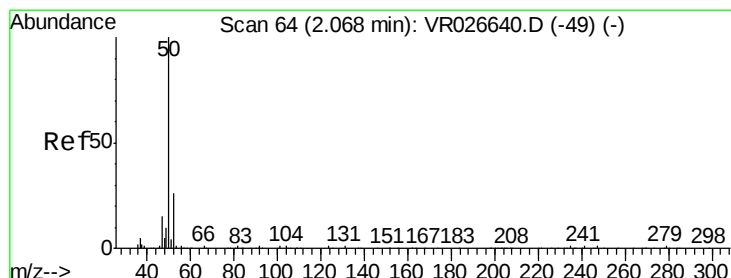
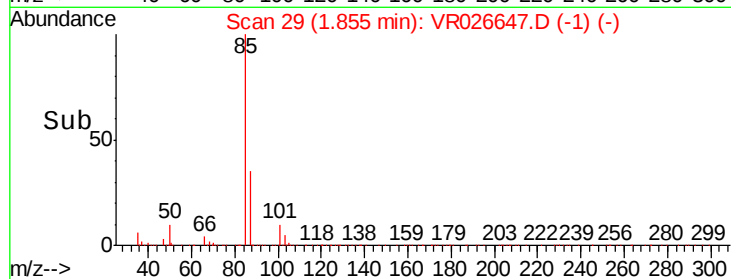
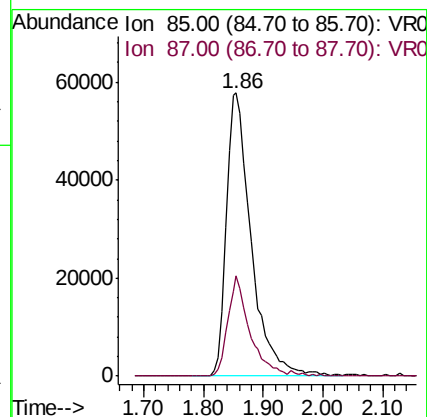
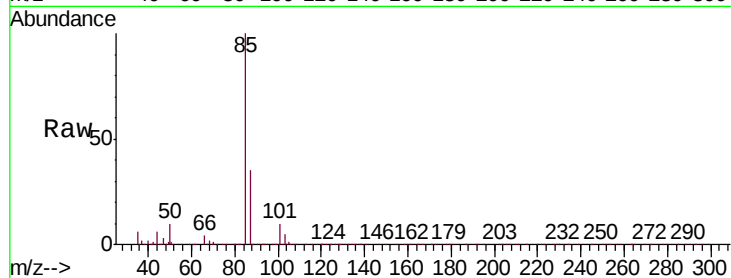
VSTD00572

Tgt Ion: 85 Resp: 167409

Ion Ratio Lower Upper

85 100

87 31.1 26.0 39.0



#3

Chloromethane

Concen: 4.092 ug/L

RT: 2.06 min Scan# 63

Delta R.T. -0.01 min

Lab File: VR026647.D

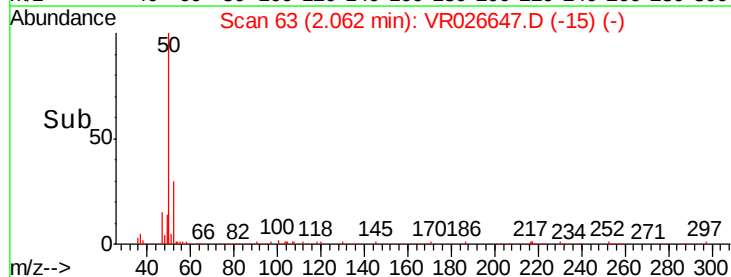
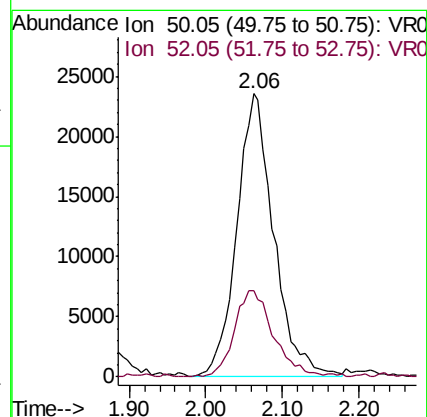
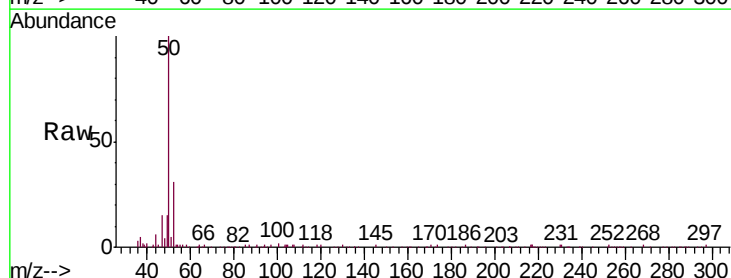
Acq: 17 Sep 2019 19:50

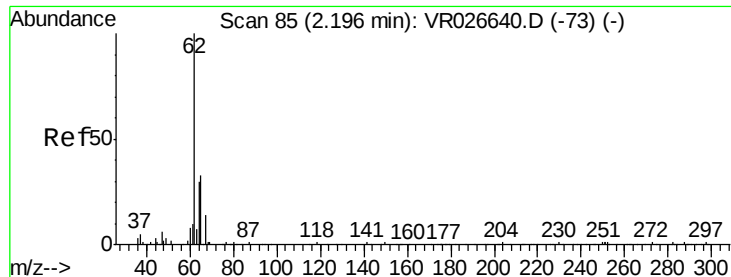
Tgt Ion: 50 Resp: 77945

Ion Ratio Lower Upper

50 100

52 30.5 21.7 40.3





#5

Vinyl chloride

Concen: 4.259 ug/L

RT: 2.20 min Scan# 85

Delta R.T. 0.00 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

Instrument :

MSVOA_R

ClientSampleId :

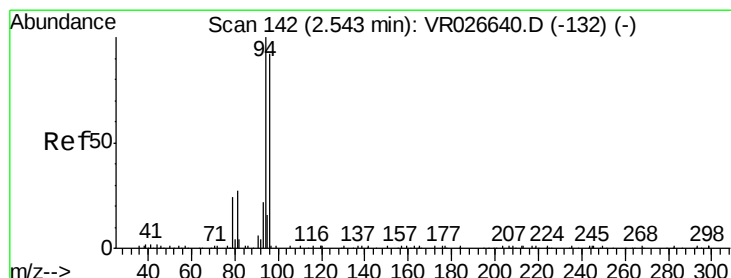
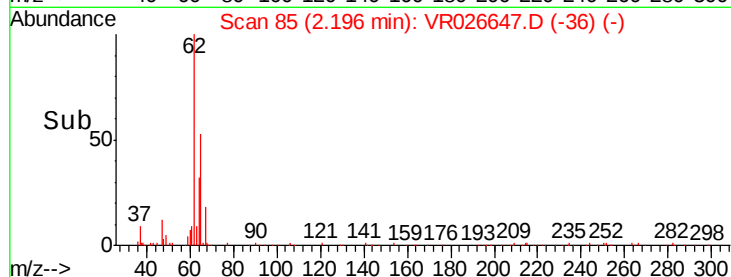
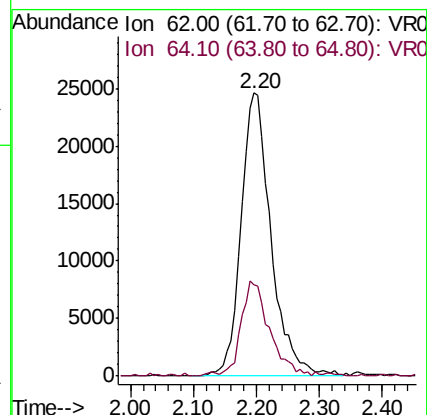
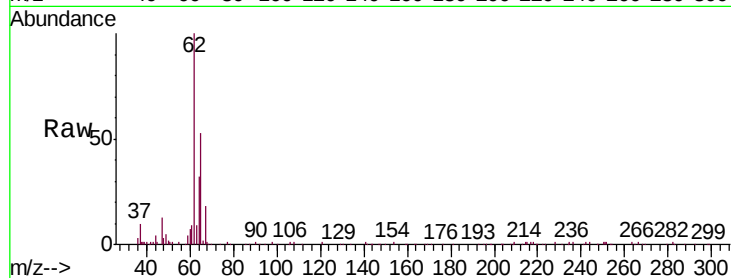
VSTD00572

Tgt Ion: 62 Resp: 81299

Ion Ratio Lower Upper

62 100

64 32.3 21.2 39.4



#6

Bromomethane

Concen: 4.431 ug/L

RT: 2.54 min Scan# 141

Delta R.T. -0.01 min

Lab File: VR026647.D

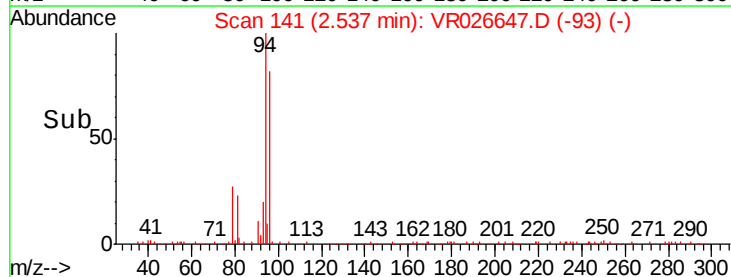
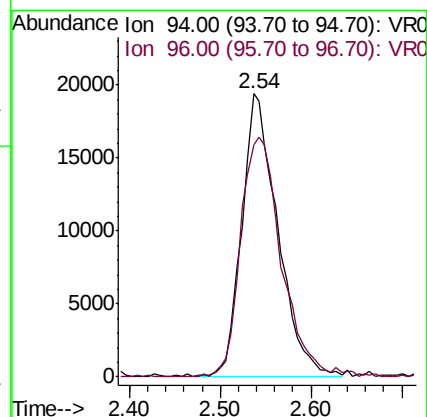
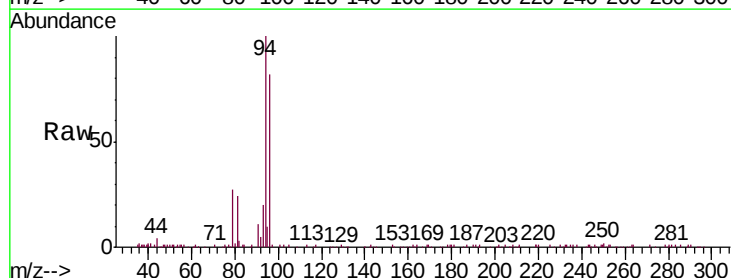
Acq: 17 Sep 2019 19:50

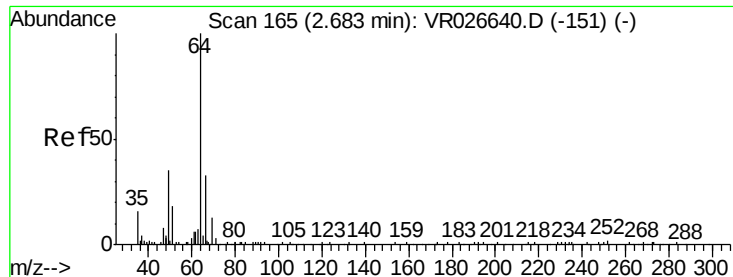
Tgt Ion: 94 Resp: 53152

Ion Ratio Lower Upper

94 100

96 81.8 61.0 113.4

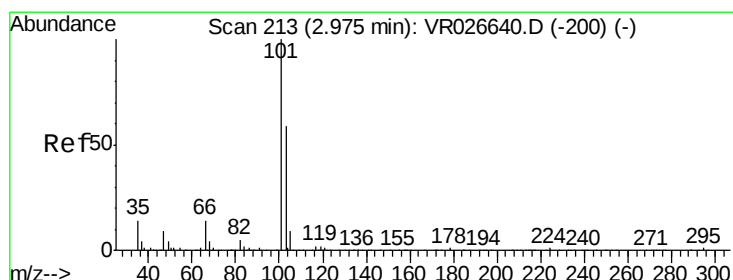
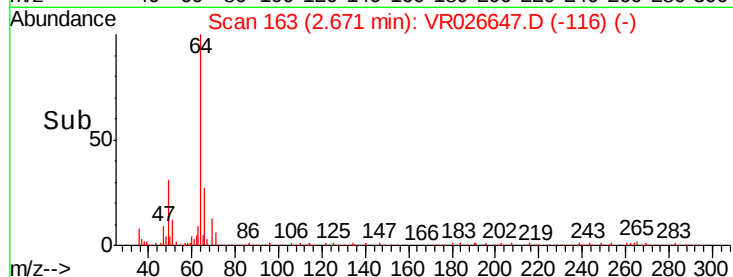
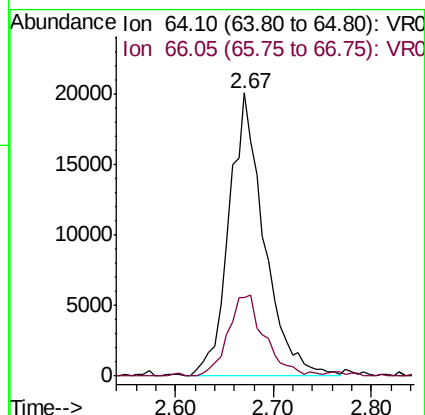
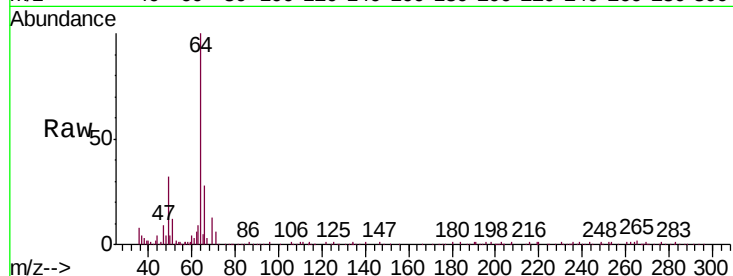




#8
Chloroethane
Concen: 4.554 ug/L
RT: 2.67 min Scan# 163
Delta R.T. -0.01 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

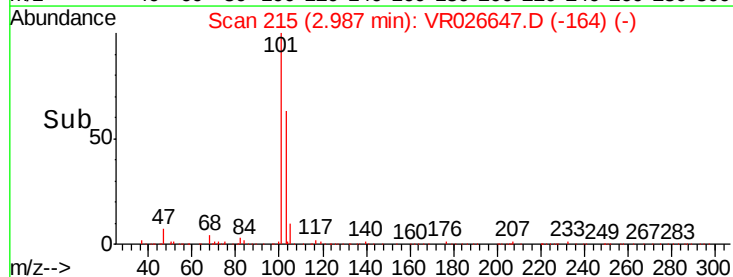
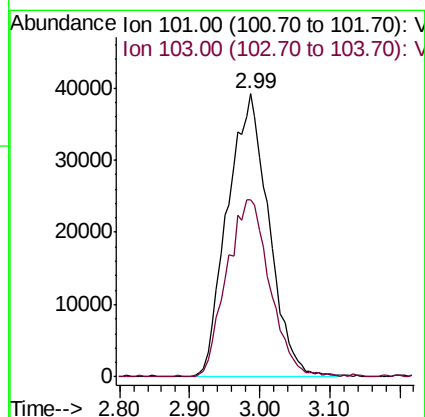
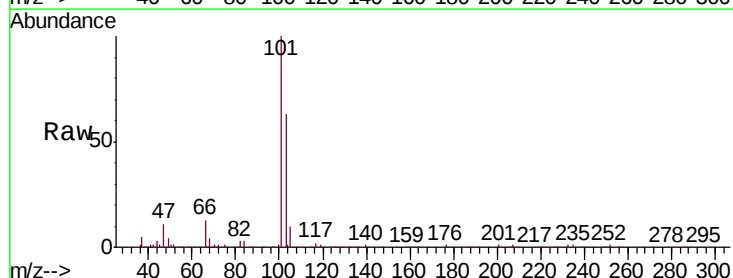
Instrument :
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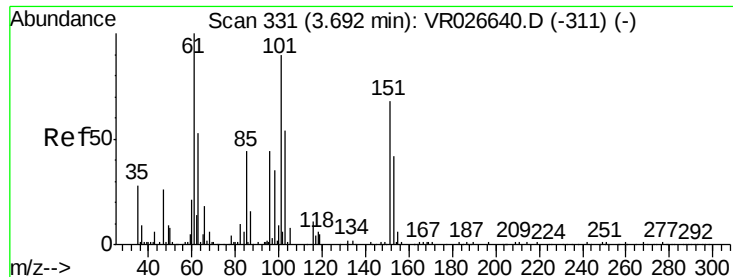
Tgt Ion: 64 Resp: 50144
Ion Ratio Lower Upper
64 100
66 27.9 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.871 ug/L
RT: 2.99 min Scan# 215
Delta R.T. 0.01 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

Tgt Ion: 101 Resp: 160866
Ion Ratio Lower Upper
101 100
103 65.2 50.9 76.3





#10

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

Concen: 4.602 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.00 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

Instrument :

MSVOA_R

ClientSampleId :

VSTD00572

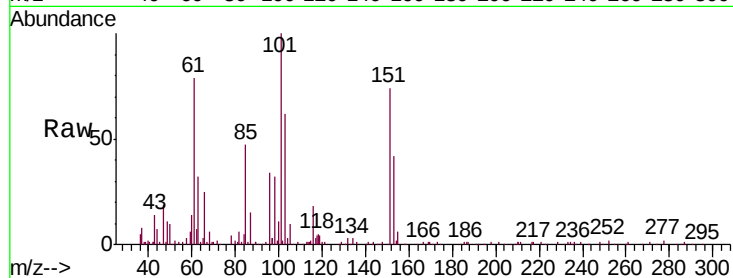
Tgt Ion: 101 Resp: 66610

Ion Ratio Lower Upper

101 100

85 52.3 39.7 59.5

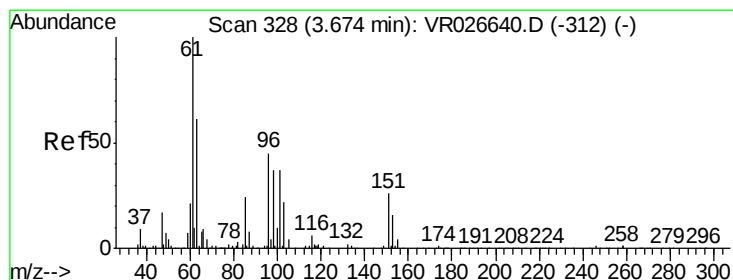
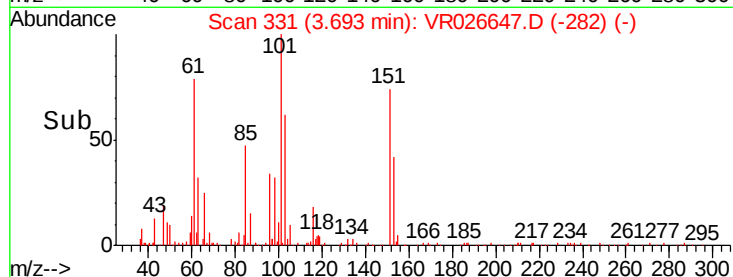
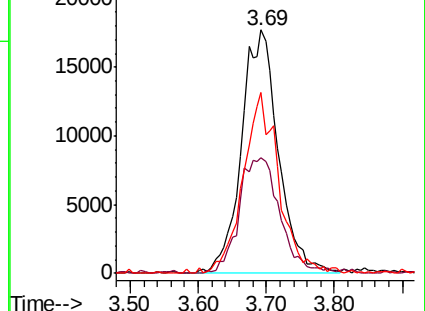
151 70.4 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.291 ug/L

RT: 3.67 min Scan# 327

Delta R.T. -0.01 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

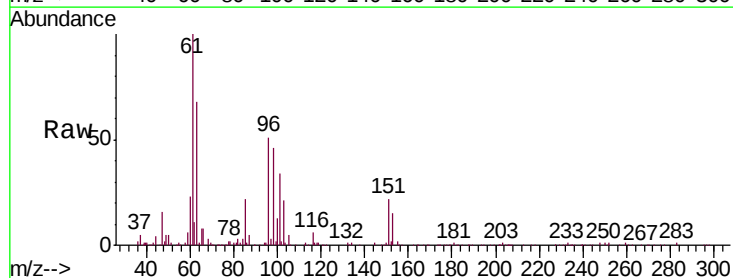
Tgt Ion: 96 Resp: 61109

Ion Ratio Lower Upper

96 100

61 197.9 143.3 266.1

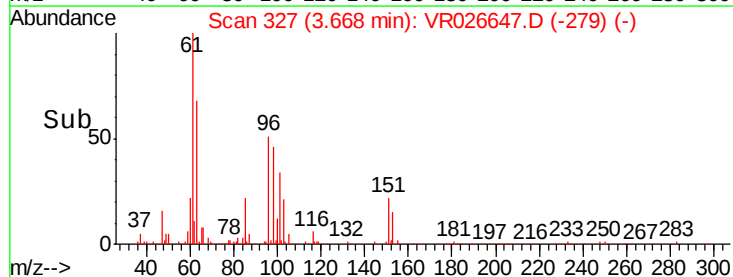
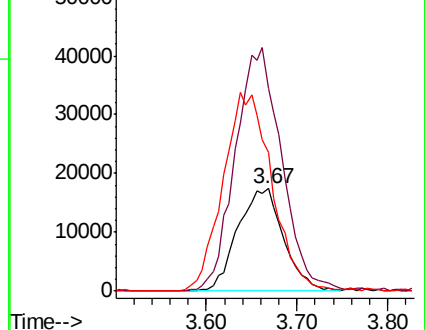
63 135.4 112.6 209.0

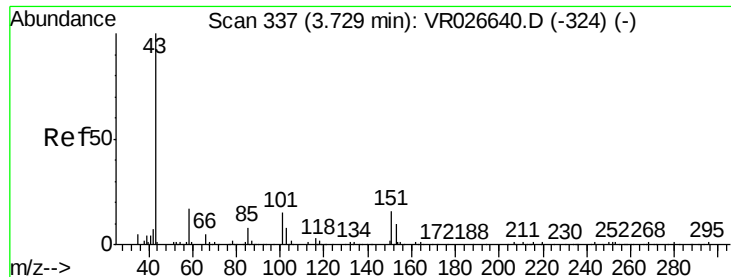


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 45.443 ug/L

RT: 3.73 min Scan# 337

Delta R.T. 0.00 min

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Acq: 17 Sep 2019 19:50

Instrument :

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ClientSampleId :

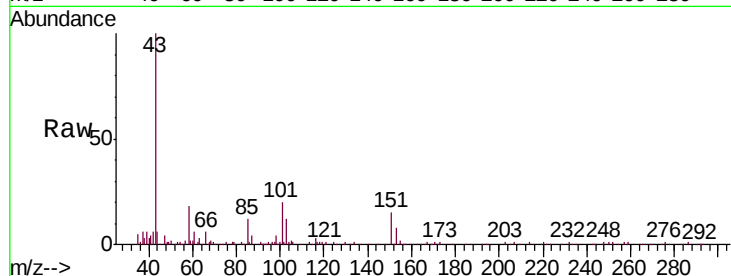
VSTD00572

Tgt Ion: 43 Resp: 65742

Ion Ratio Lower Upper

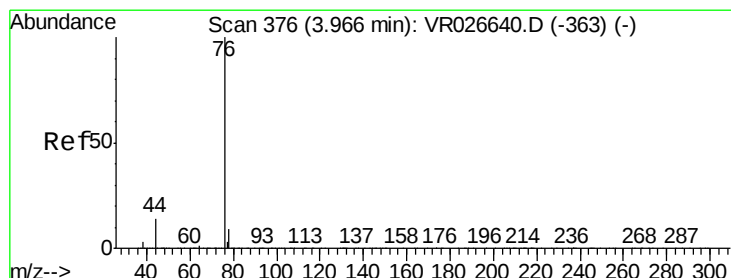
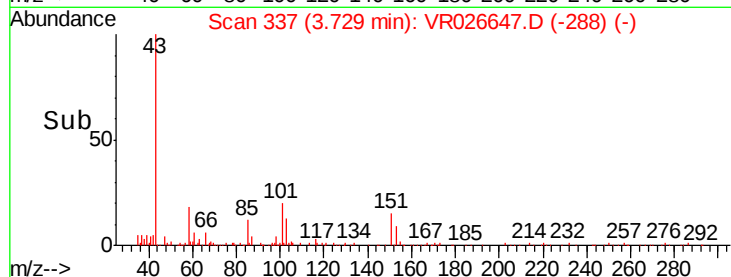
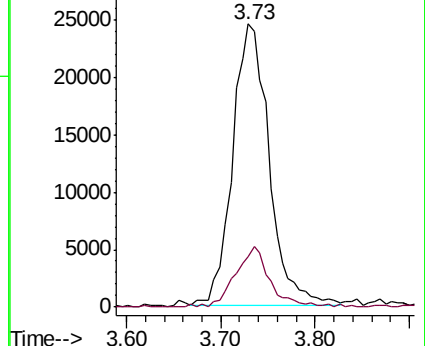
43 100

58 19.3 0.0 41.8



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#14

Carbon disulfide

Concen: 3.398 ug/L

RT: 3.99 min Scan# 380

Delta R.T. 0.02 min

Lab File: VR026647.D

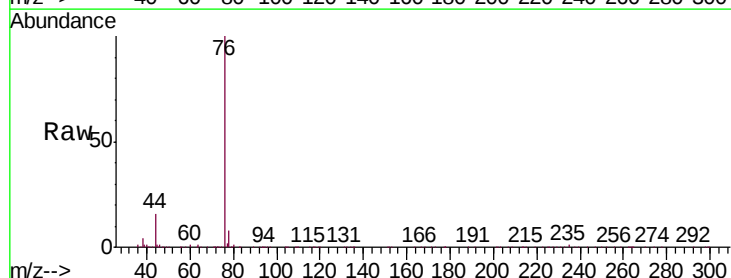
Acq: 17 Sep 2019 19:50

Tgt Ion: 76 Resp: 207154

Ion Ratio Lower Upper

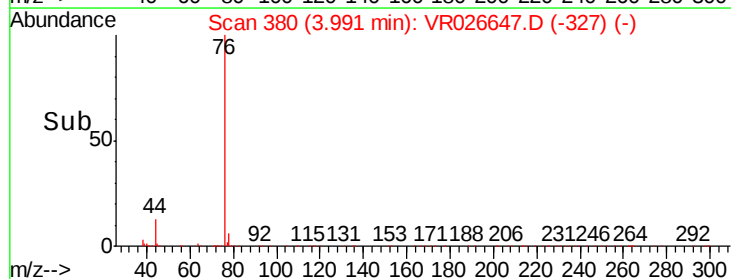
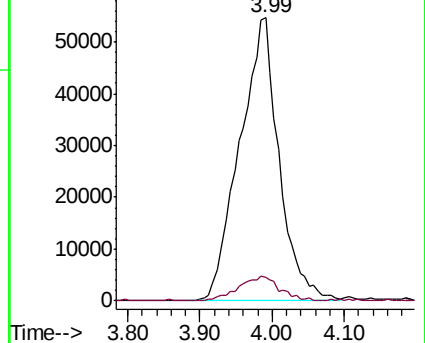
76 100

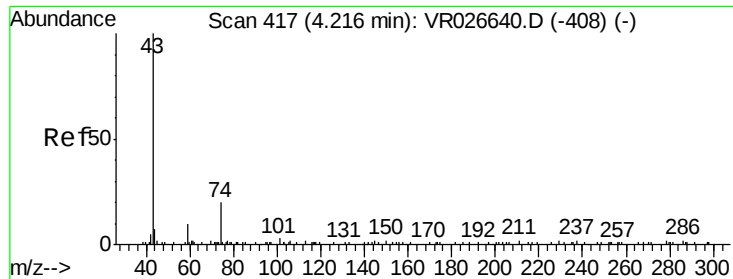
78 8.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VR0

Ion 78.00 (77.70 to 78.70): VR0

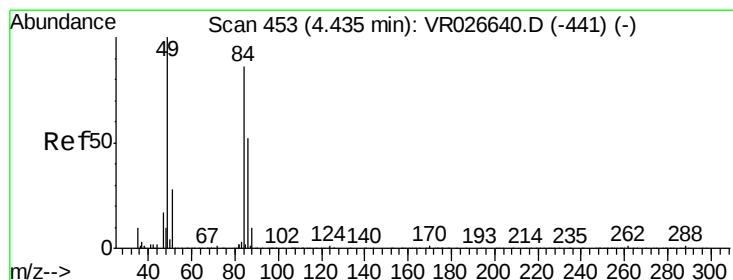
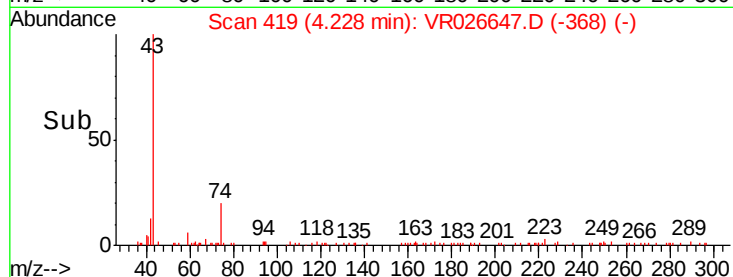
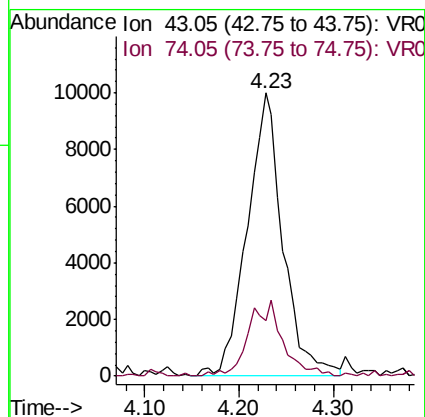
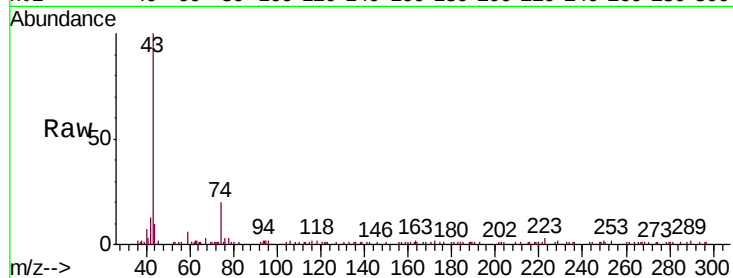




#15
Methyl Acetate
Concen: 4.323 ug/L
RT: 4.23 min Scan# 419
Delta R.T. 0.01 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

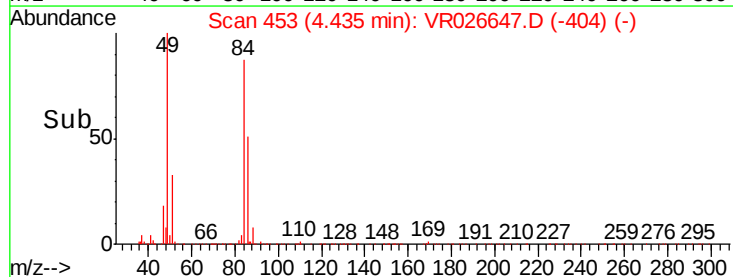
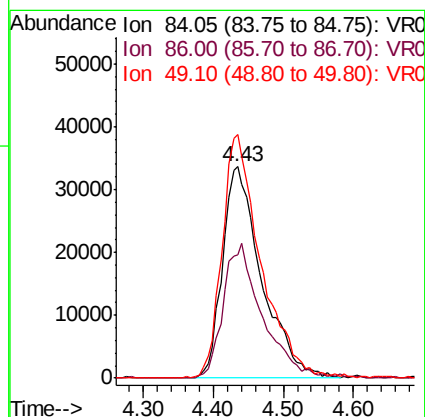
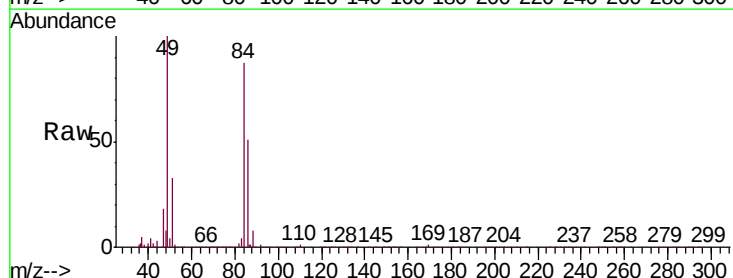
Instrument :
MSVOA_R
ClientSampled :
VSTD00572

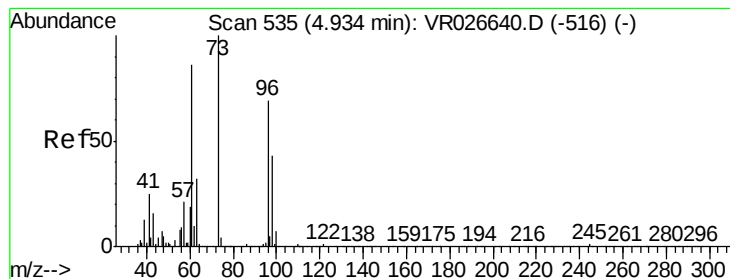
Tgt Ion: 43 Resp: 26263
Ion Ratio Lower Upper
43 100
74 25.7 17.5 26.3



#16
Methylene chloride
Concen: 4.411 ug/L
RT: 4.43 min Scan# 453
Delta R.T. 0.00 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

Tgt Ion: 84 Resp: 130701
Ion Ratio Lower Upper
84 100
86 59.3 44.2 82.0
49 115.4 82.3 152.9



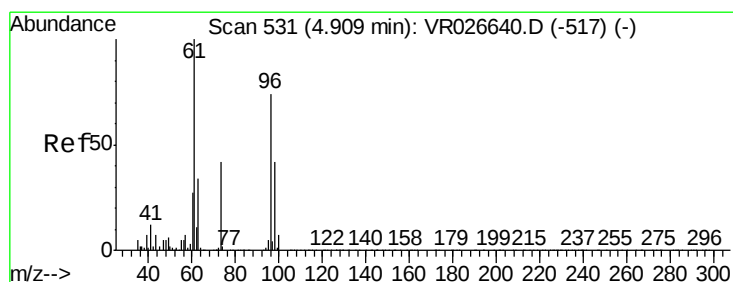
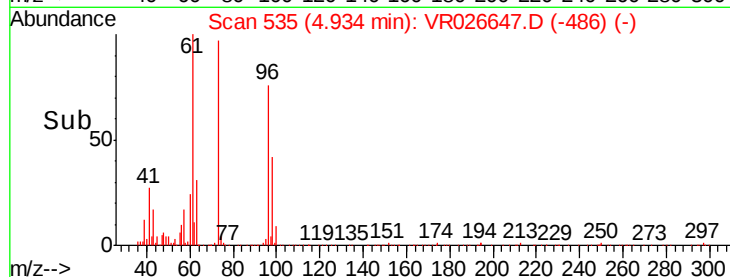
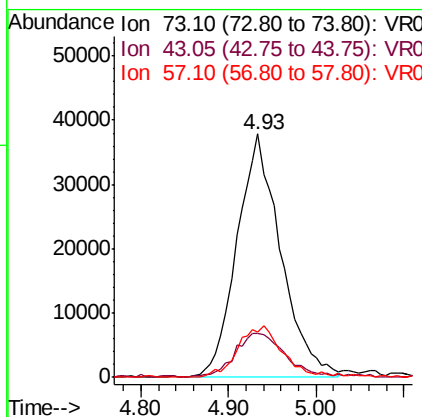
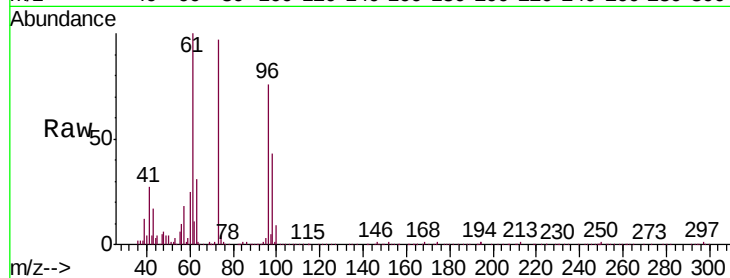


#17

Methyl tert-butyl Ether
 Concen: 4.280 ug/L
 RT: 4.93 min Scan# 535
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00572

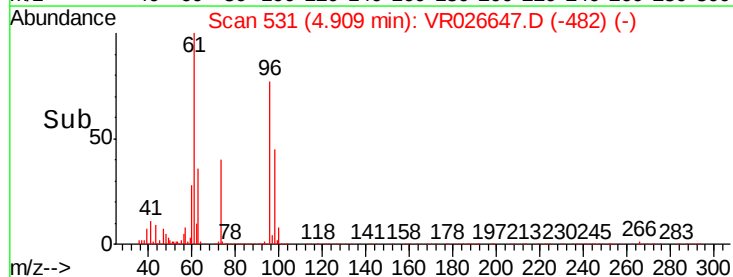
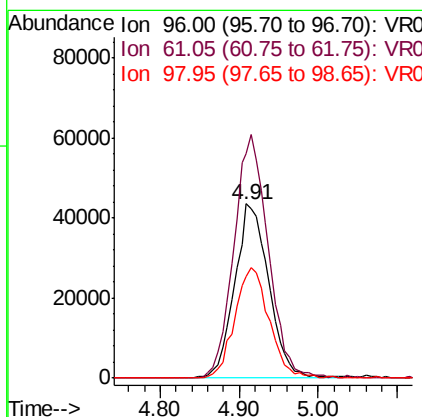
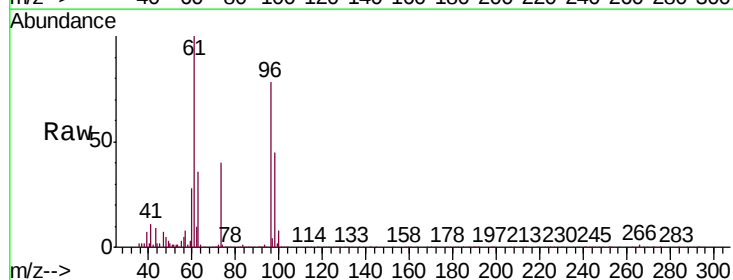
Tgt Ion:	73	Resp:	131727
Ion	Ratio	Lower	Upper
73	100		
43	19.9	14.7	22.1
57	21.0	18.9	28.3

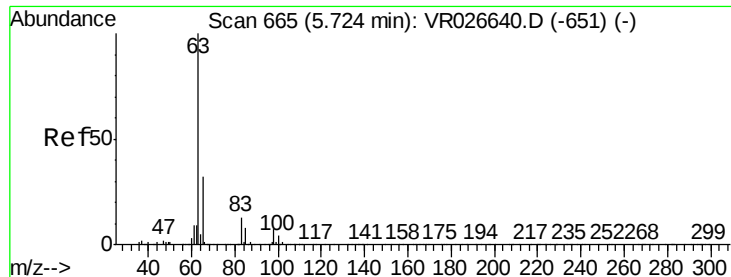


#18

trans-1,2-Dichloroethene
 Concen: 4.404 ug/L
 RT: 4.91 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

Tgt Ion:	96	Resp:	131045
Ion	Ratio	Lower	Upper
96	100		
61	128.8	104.4	194.0
98	58.4	44.2	82.0





#19

1,1-Dichloroethane

Concen: 4.195 ug/L

RT: 5.73 min Scan# 666

Delta R.T. 0.01 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

Instrument :

MSVOA_R

ClientSampleId :

VSTD00572

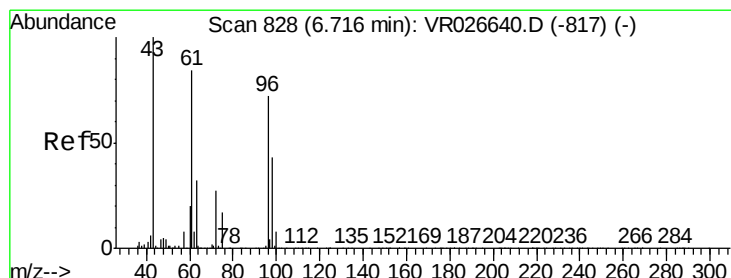
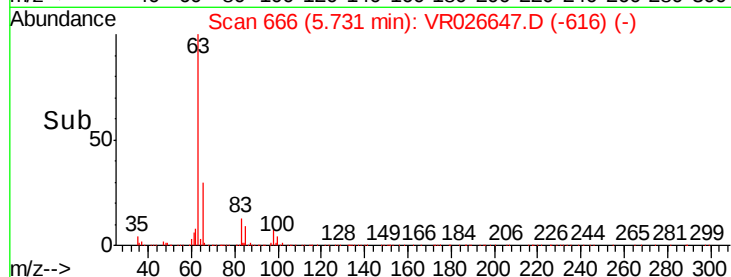
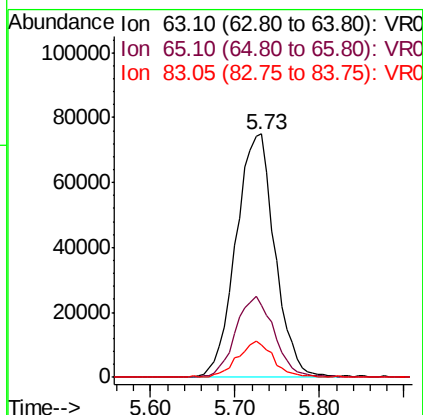
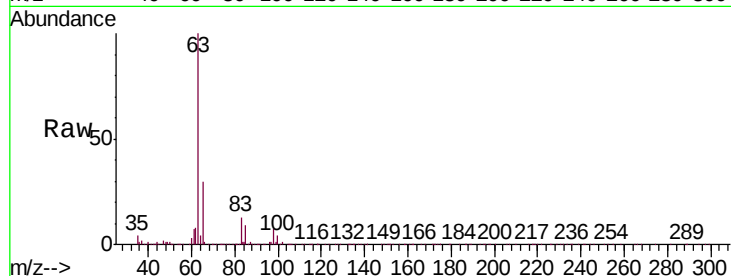
Tgt Ion: 63 Resp: 234078

Ion Ratio Lower Upper

63 100

65 29.7 22.5 41.9

83 13.5 8.6 16.0



#21

2-Butanone

Concen: 43.979 ug/L

RT: 6.72 min Scan# 828

Delta R.T. 0.00 min

Lab File: VR026647.D

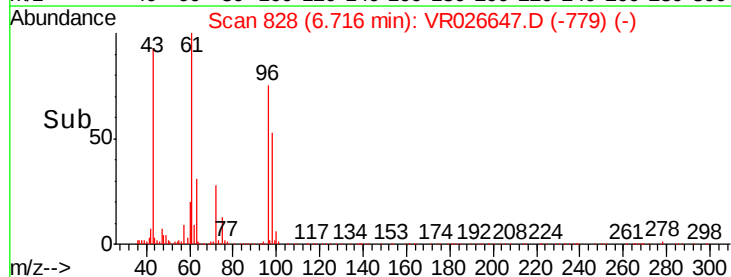
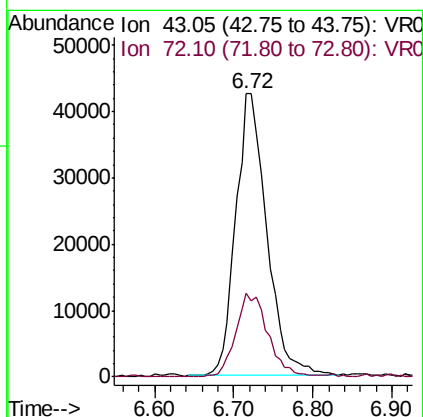
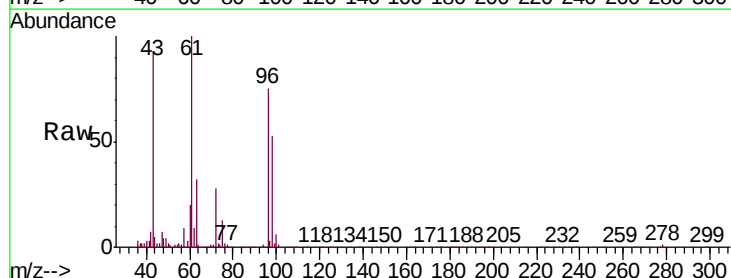
Acq: 17 Sep 2019 19:50

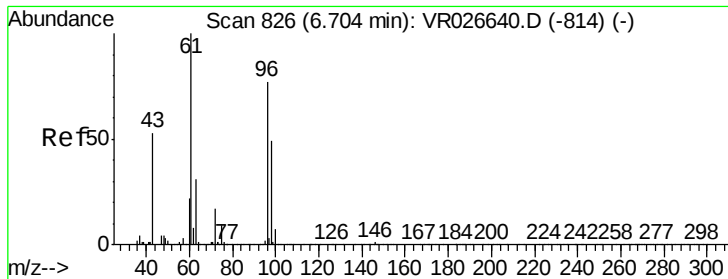
Tgt Ion: 43 Resp: 116222

Ion Ratio Lower Upper

43 100

72 31.2 15.0 45.1



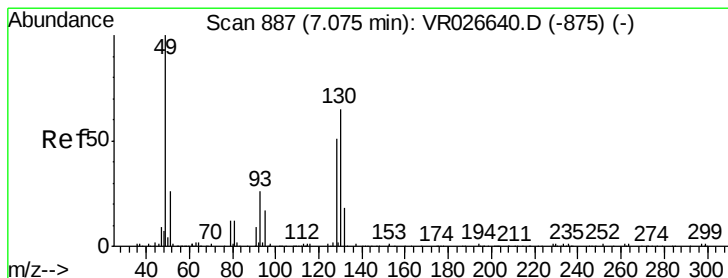
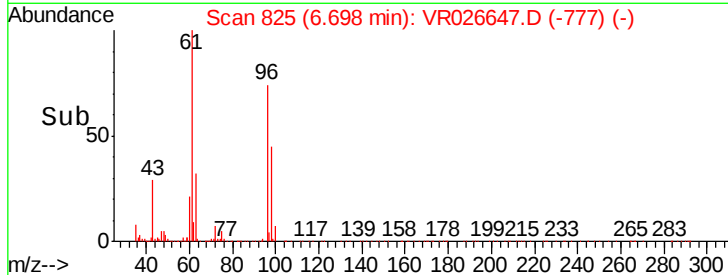
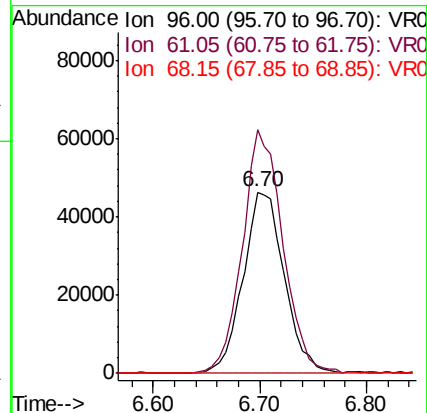
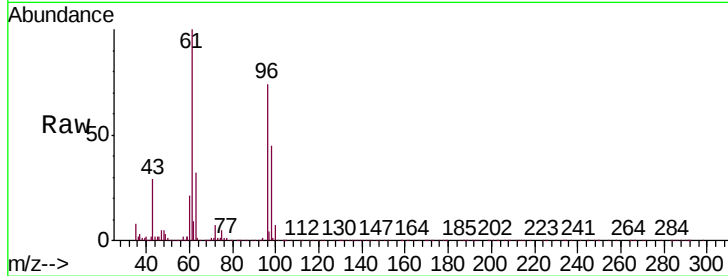


#22

cis-1,2-Dichloroethene
Concen: 4.400 ug/L
RT: 6.70 min Scan# 825
Delta R.T. -0.01 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

Instrument :
MSVOA_R
ClientSampleId :
VSTD00572

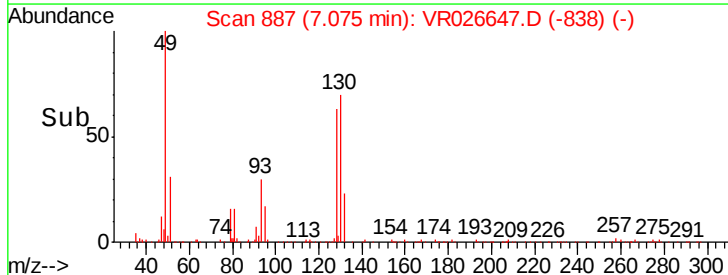
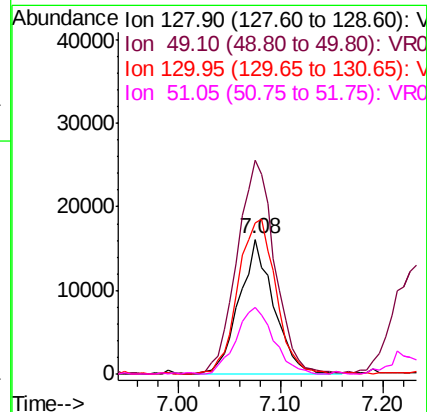
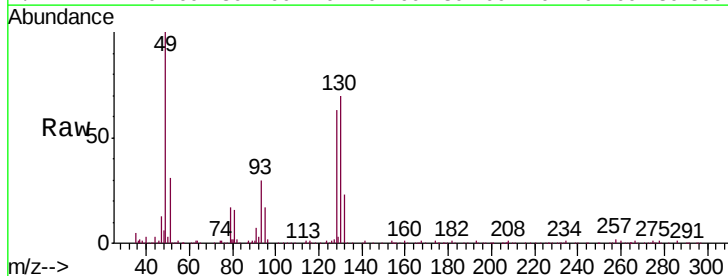
Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.2	95.4	177.2
68	0.3	0.0	0.0#

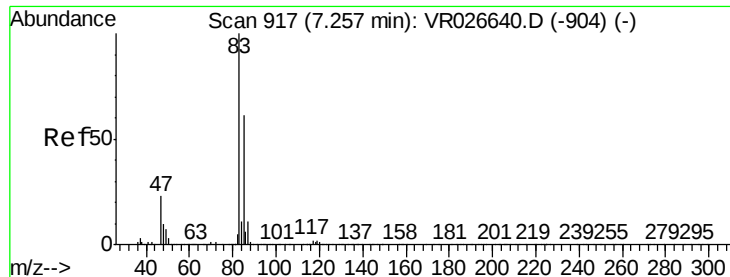


#23

Bromochloromethane
Concen: 4.761 ug/L
RT: 7.08 min Scan# 887
Delta R.T. 0.00 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
128	100		
49	158.3	118.6	220.3
130	111.5	80.6	149.6
51	49.5	41.5	62.3





#25

Chloroform

Concen: 4.271 ug/L

RT: 7.25 min Scan# 916

Delta R.T. -0.01 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

Instrument :

MSVOA_R

ClientSampleId :

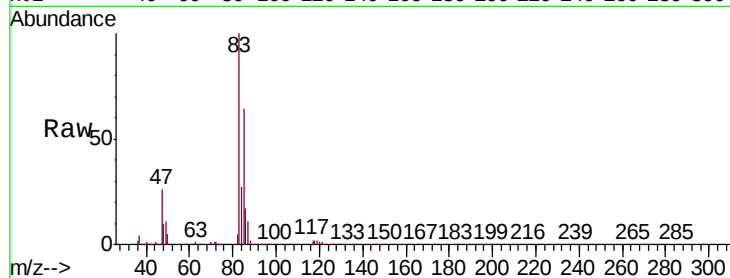
VSTD00572

Tgt Ion: 83 Resp: 228393

Ion Ratio Lower Upper

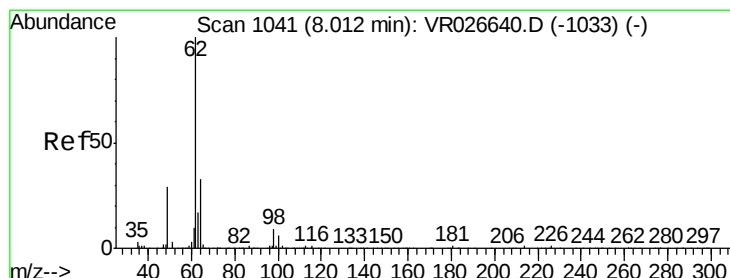
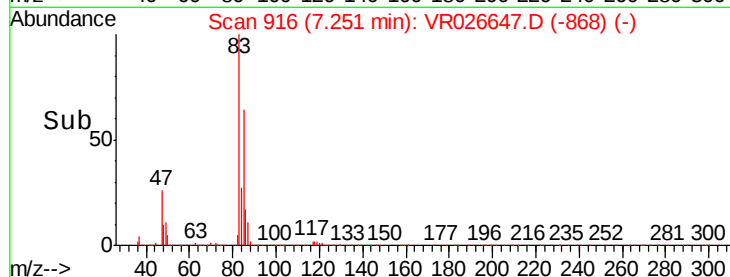
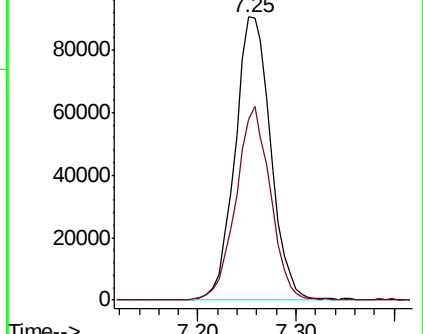
83 100

85 63.7 44.3 82.3



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 4.717 ug/L

RT: 8.01 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VR026647.D

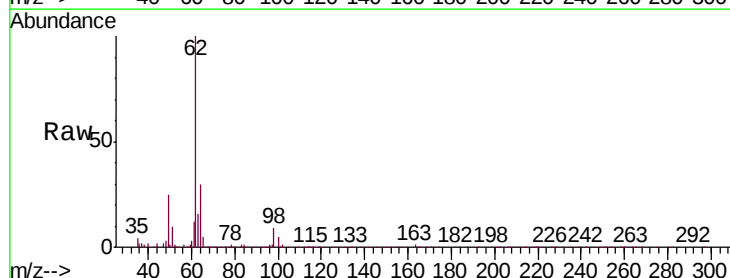
Acq: 17 Sep 2019 19:50

Tgt Ion: 62 Resp: 88728

Ion Ratio Lower Upper

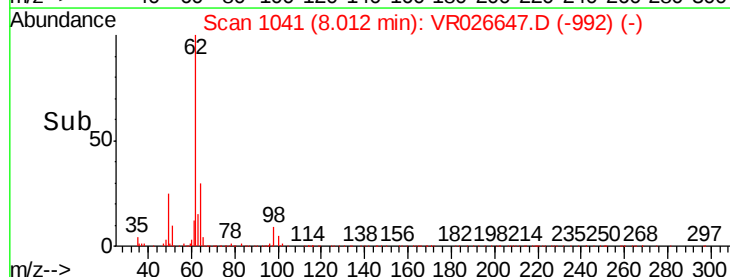
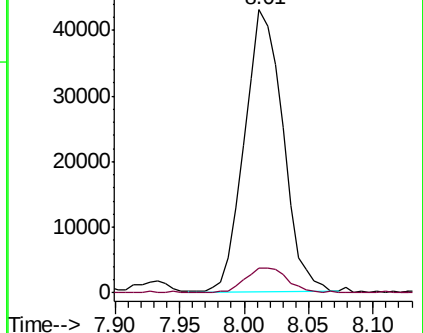
62 100

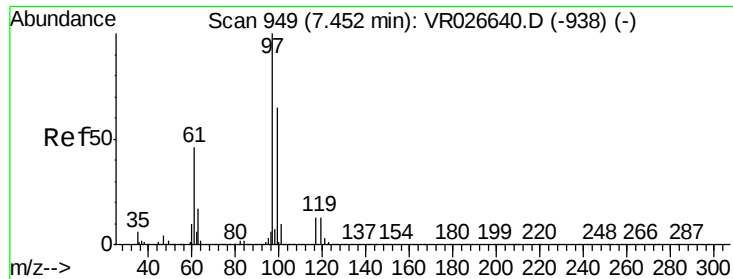
98 8.8 9.0 13.4#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0

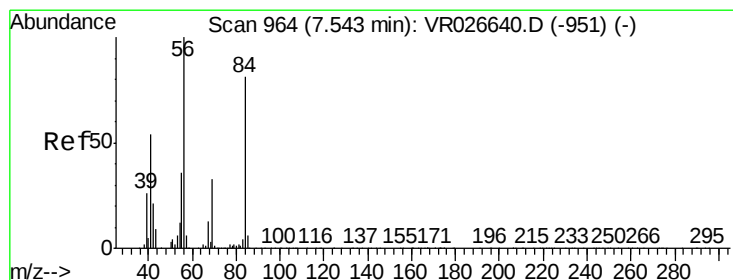
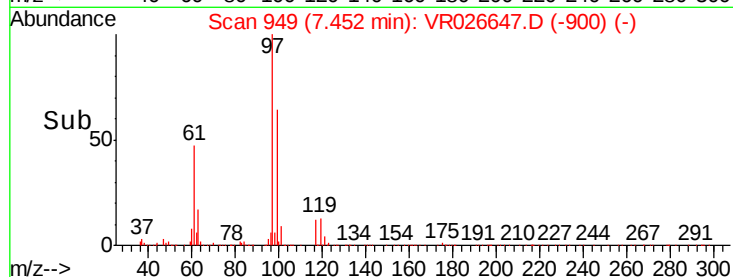
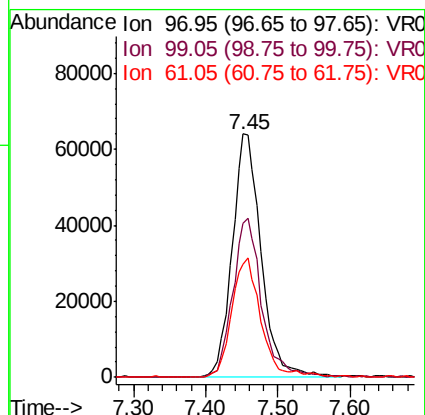
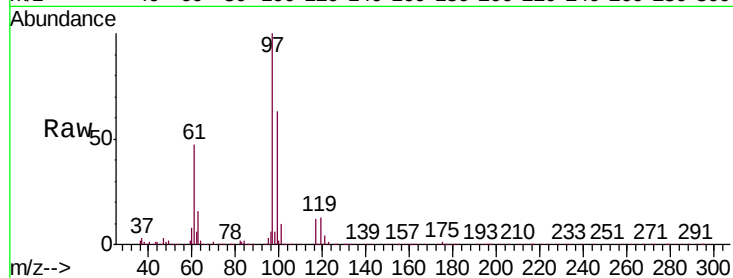




#29
1,1,1-Trichloroethane
Concen: 4.386 ug/L
RT: 7.45 min Scan# 949
Delta R.T. 0.00 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

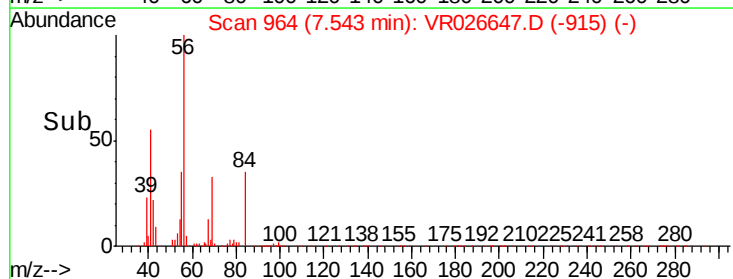
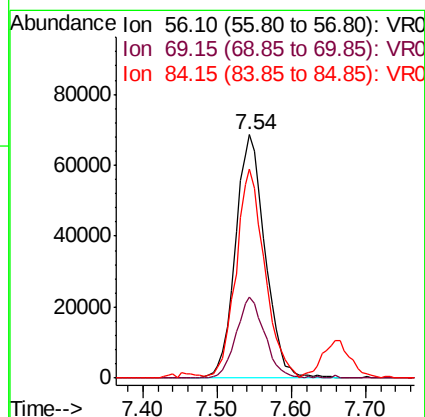
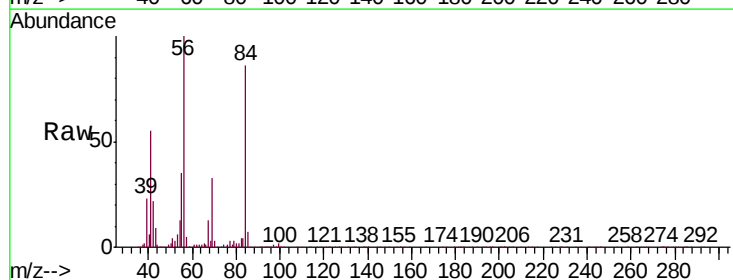
Instrument :
MSVOA_R
ClientSampleId :
VSTD00572

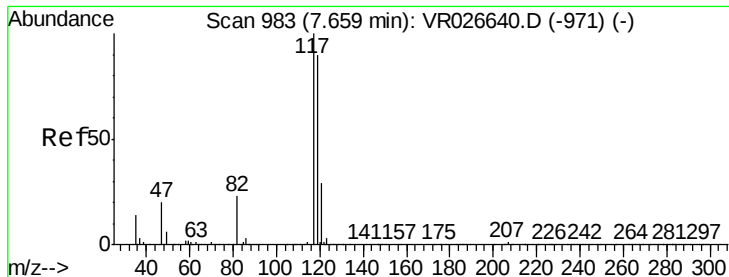
Tgt Ion: 97 Resp: 177857
Ion Ratio Lower Upper
97 100
99 65.5 50.1 75.1
61 49.2 37.8 56.8



#30
Cyclohexane
Concen: 4.427 ug/L
RT: 7.54 min Scan# 964
Delta R.T. 0.00 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

Tgt Ion: 56 Resp: 191430
Ion Ratio Lower Upper
56 100
69 32.0 25.9 38.9
84 82.8 67.6 101.4





#31

Carbon tetrachloride

Concen: 4.704 ug/L

RT: 7.66 min Scan# 983

Delta R.T. 0.00 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

Instrument :

MSVOA_R

ClientSampleId :

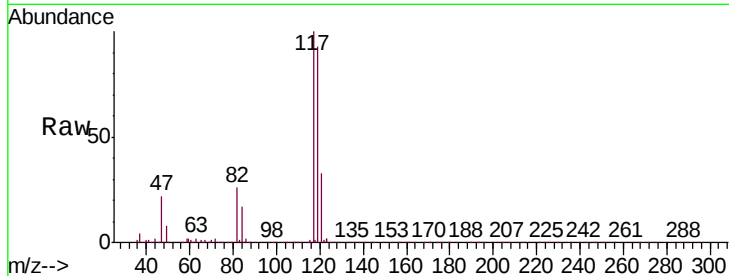
VSTD00572

Tgt Ion:117 Resp: 161552

Ion Ratio Lower Upper

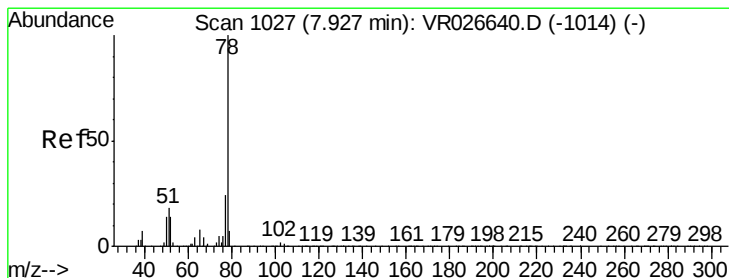
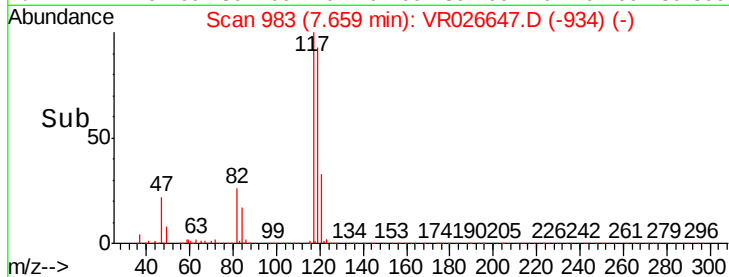
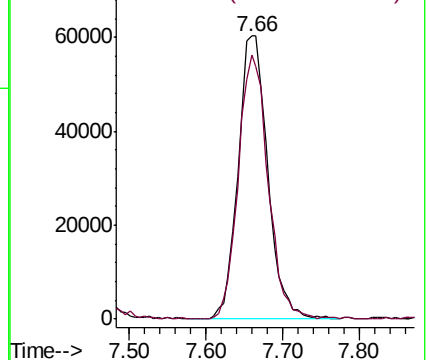
117 100

119 93.7 76.6 115.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.613 ug/L

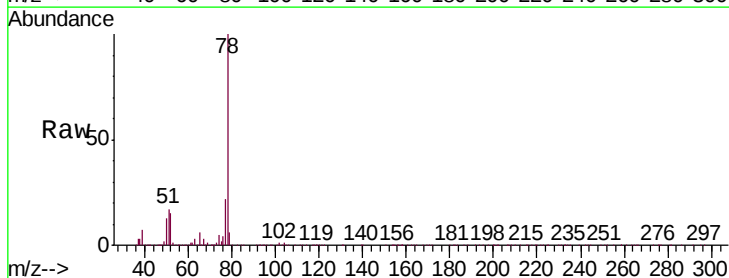
RT: 7.93 min Scan# 1028

Delta R.T. 0.01 min

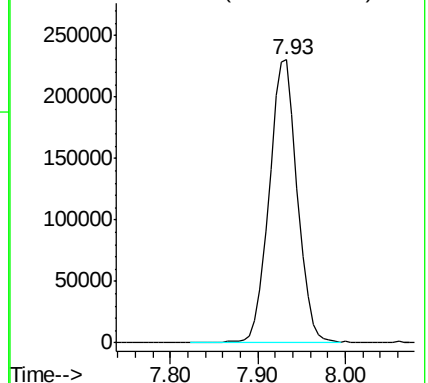
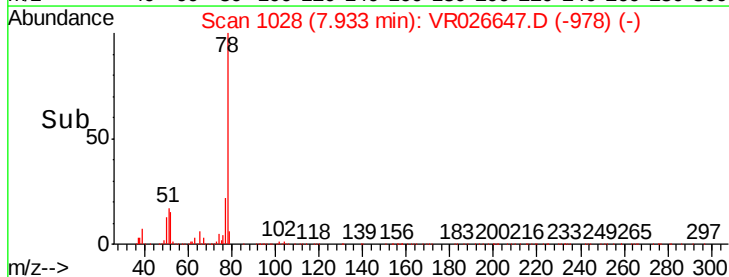
Lab File: VR026647.D

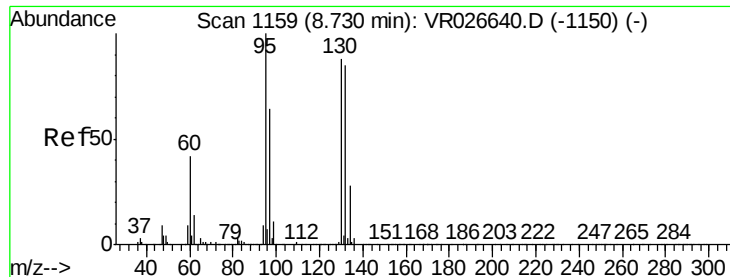
Acq: 17 Sep 2019 19:50

Tgt Ion: 78 Resp: 515613



Abundance Ion 78.10 (77.80 to 78.80): VR0





#34

Trichloroethene

Concen: 4.518 ug/L

RT: 8.73 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

Instrument :

MSVOA_R

ClientSampleId :

VSTD00572

Tgt Ion: 95 Resp: 125810

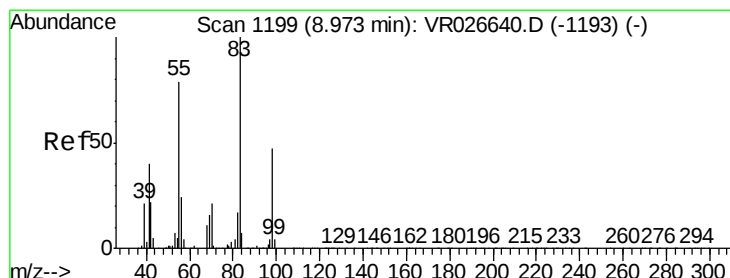
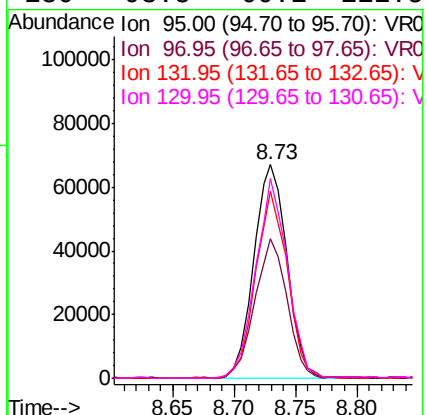
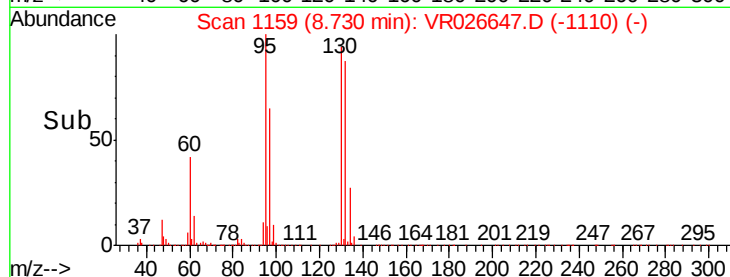
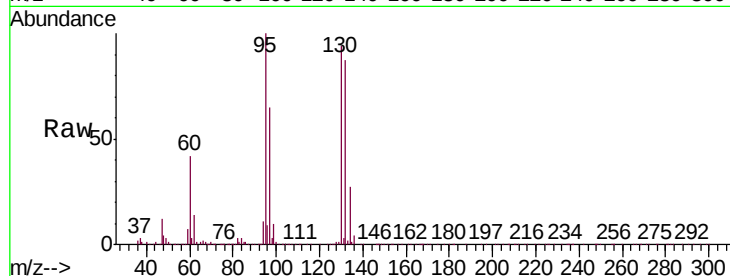
Ion Ratio Lower Upper

95 100

97 65.4 45.6 84.6

132 87.4 57.3 106.5

130 93.8 60.1 111.5



#35

Methylcyclohexane

Concen: 4.668 ug/L

RT: 8.97 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

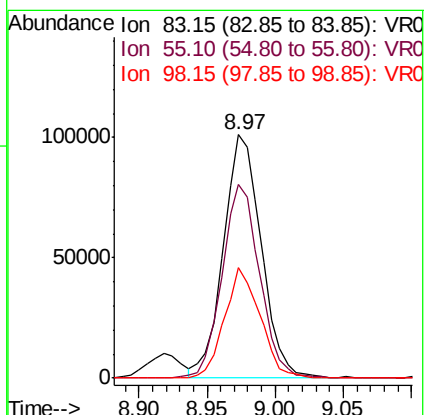
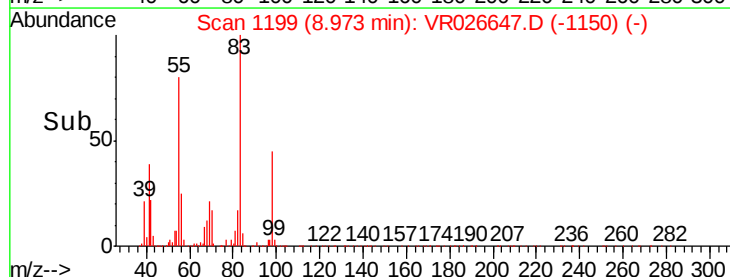
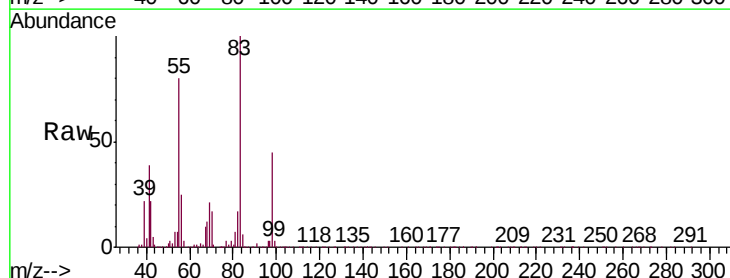
Tgt Ion: 83 Resp: 195729

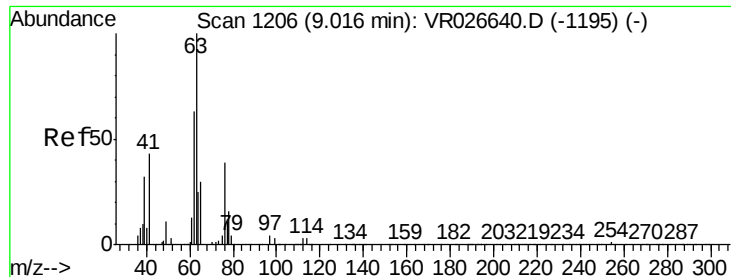
Ion Ratio Lower Upper

83 100

55 79.5 63.5 95.3

98 42.7 35.4 53.0

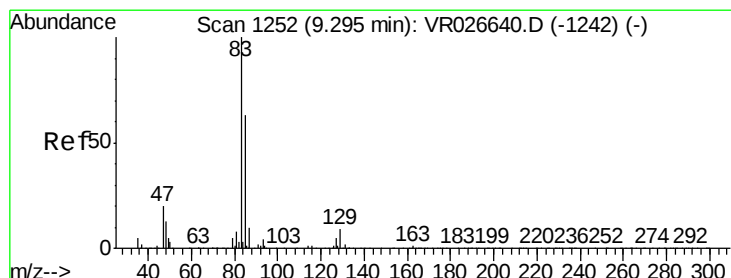
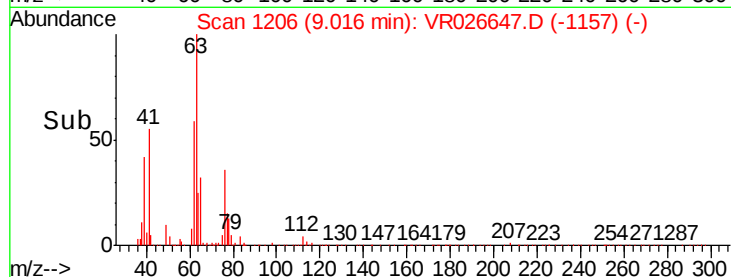
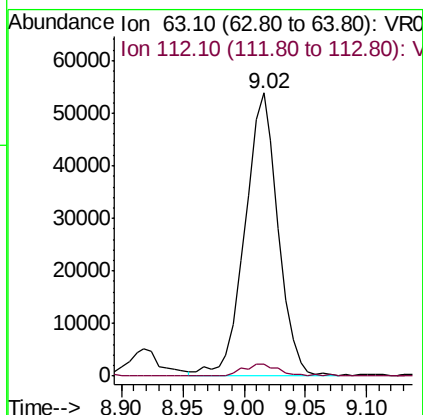
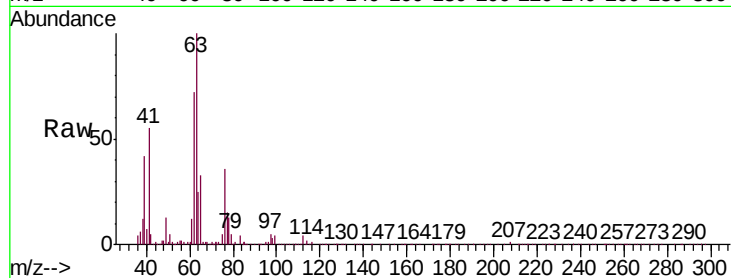




#37
 1,2-Dichloropropane
 Concen: 4.462 ug/L
 RT: 9.02 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

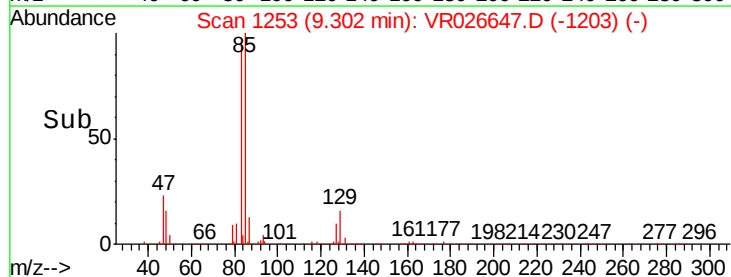
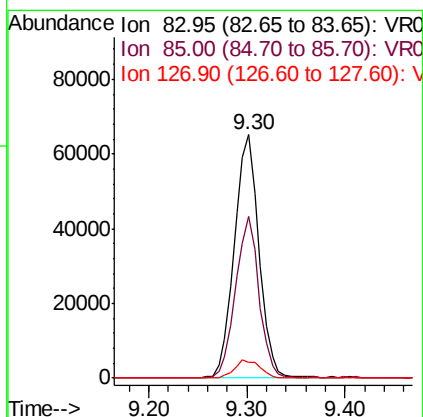
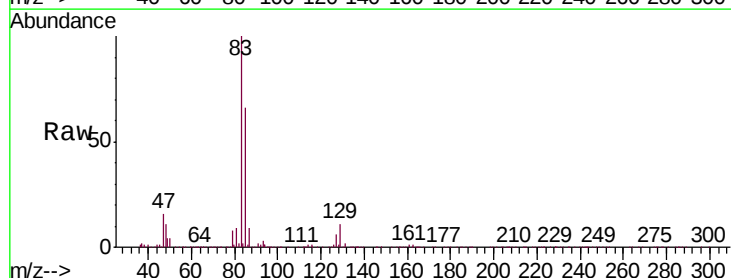
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00572

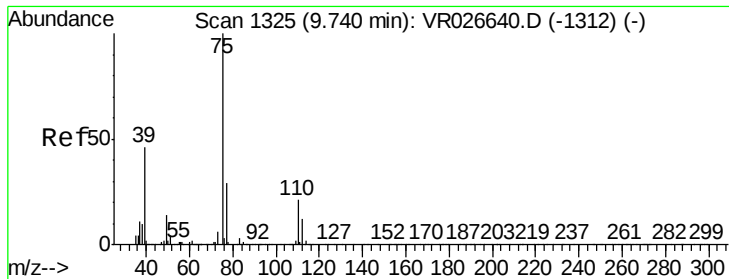
Tgt Ion: 63 Resp: 100726
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.743 ug/L
 RT: 9.30 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

Tgt Ion: 83 Resp: 114004
 Ion Ratio Lower Upper
 83 100
 85 66.3 44.0 81.8
 127 6.5 6.4 9.6

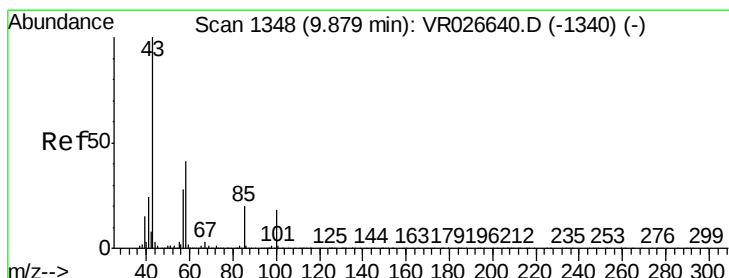
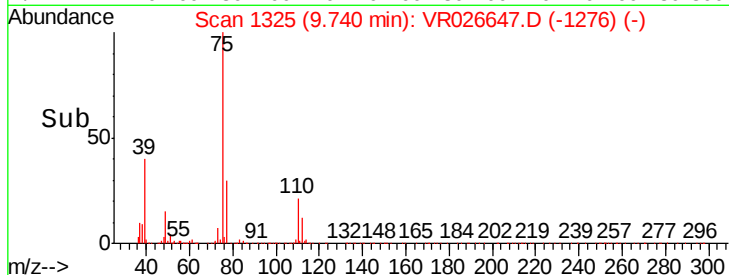
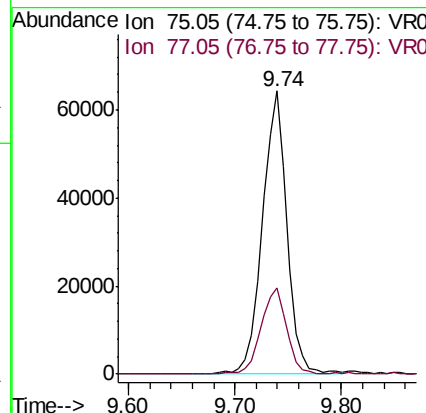
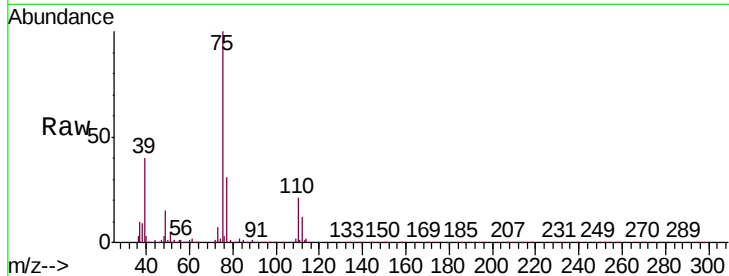




#39
 cis-1,3-Dichloropropene
 Concen: 4.299 ug/L
 RT: 9.74 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

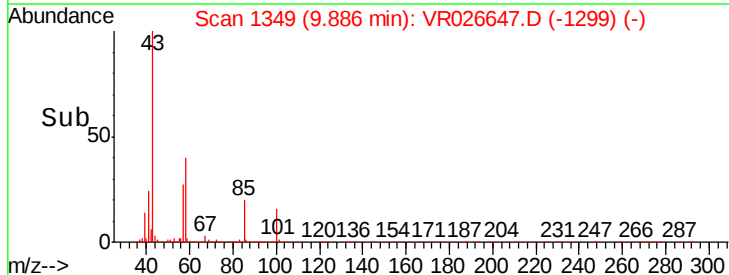
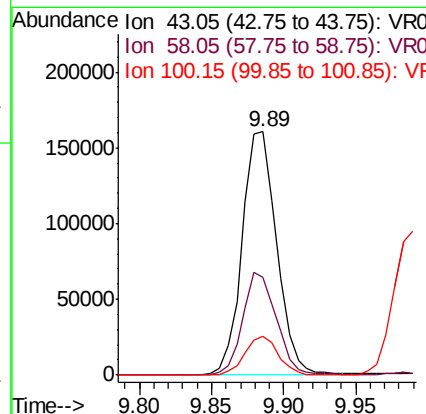
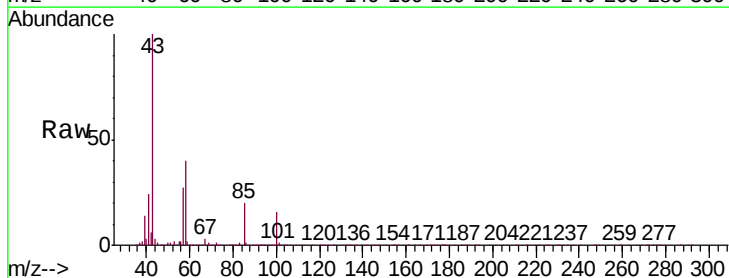
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00572

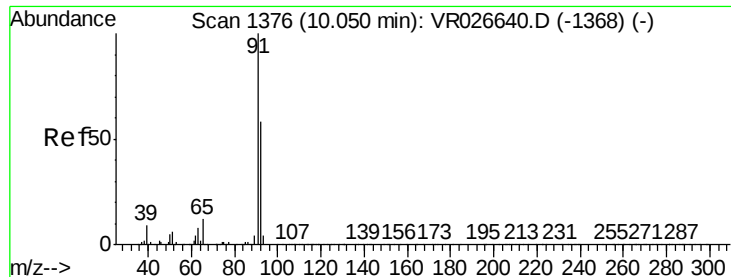
Tgt Ion: 75 Resp: 102873
 Ion Ratio Lower Upper
 75 100
 77 30.5 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 47.302 ug/L
 RT: 9.89 min Scan# 1349
 Delta R.T. 0.01 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

Tgt Ion: 43 Resp: 267442
 Ion Ratio Lower Upper
 43 100
 58 41.3 32.6 48.8
 100 15.3 11.7 17.5





#42

Toluene

Concen: 4.880 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. 0.00 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

Instrument :

MSVOA_R

ClientSampleId :

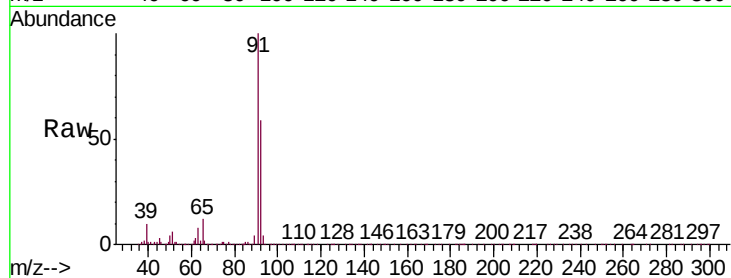
VSTD00572

Tgt Ion: 91 Resp: 476483

Ion Ratio Lower Upper

91 100

92 58.7 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0

10.05

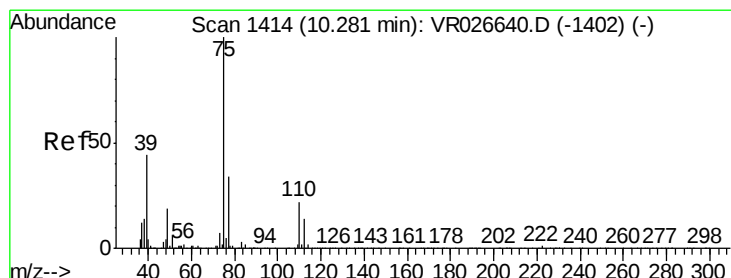
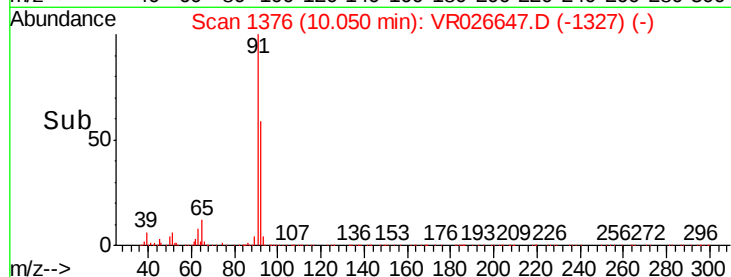
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.342 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VR026647.D

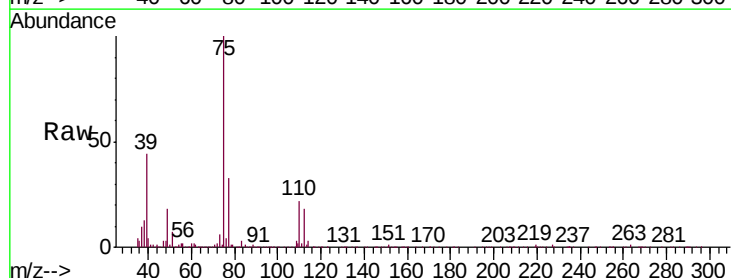
Acq: 17 Sep 2019 19:50

Tgt Ion: 75 Resp: 66781

Ion Ratio Lower Upper

75 100

77 32.8 23.1 42.9



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

10.28

50000

40000

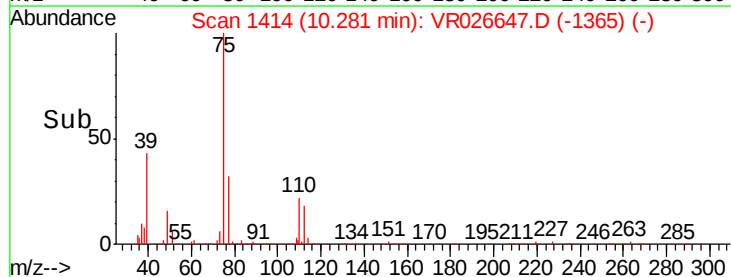
30000

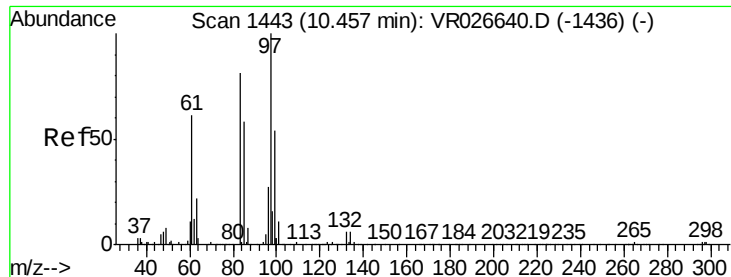
20000

10000

0

Time-->

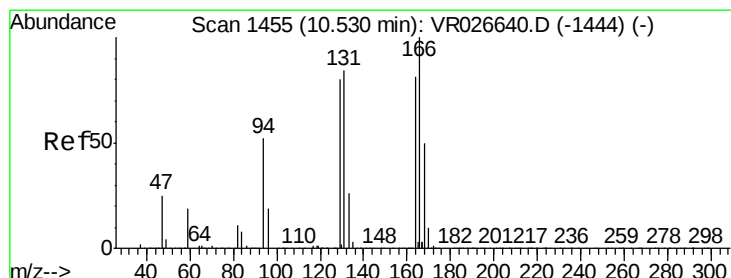
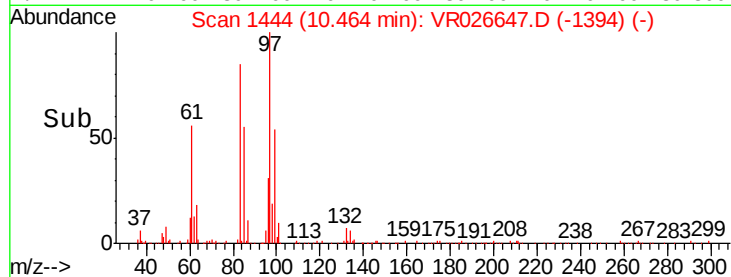
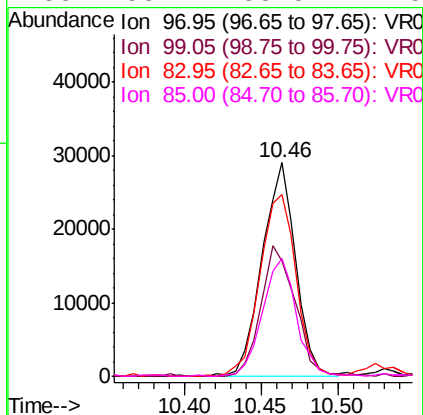
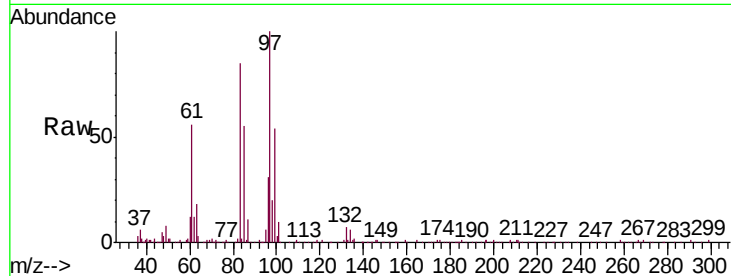




#45
 1,1,2-Trichloroethane
 Concen: 4.613 ug/L
 RT: 10.46 min Scan# 1444
 Delta R.T. 0.01 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

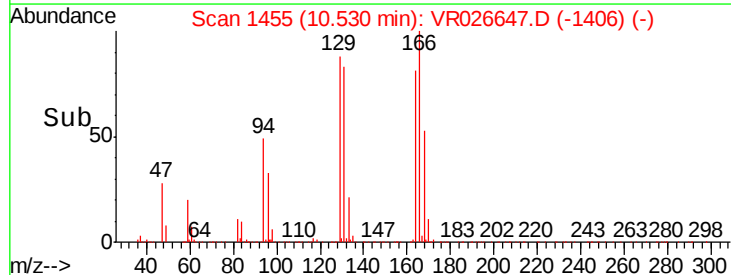
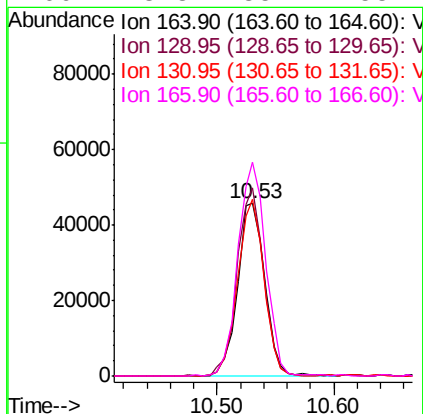
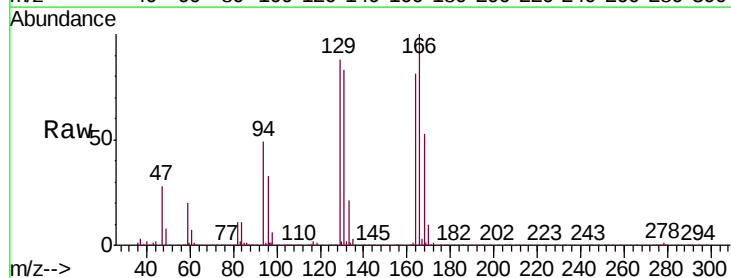
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00572

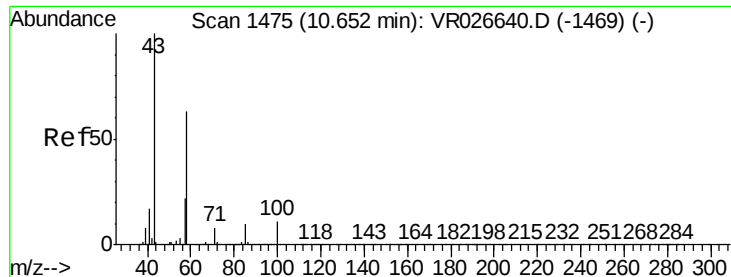
Tgt Ion:	97	Resp:	44373
Ion	Ratio	Lower	Upper
97	100		
99	53.8	45.6	84.6
83	84.8	64.5	119.9
85	55.1	38.5	71.5



#47
 Tetrachloroethene
 Concen: 4.539 ug/L
 RT: 10.53 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

Tgt Ion:	164	Resp:	74626
Ion	Ratio	Lower	Upper
164	100		
129	108.7	74.8	139.0
131	102.5	69.1	128.3
166	123.8	85.2	158.2

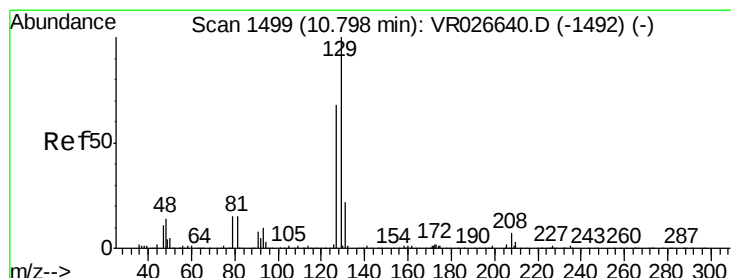
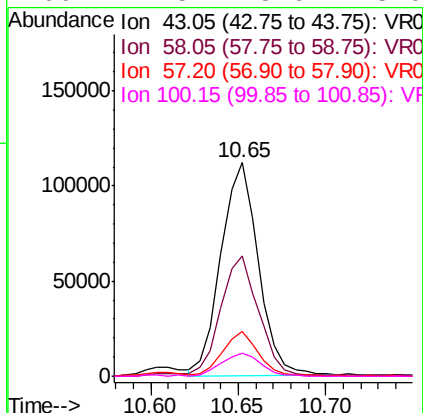
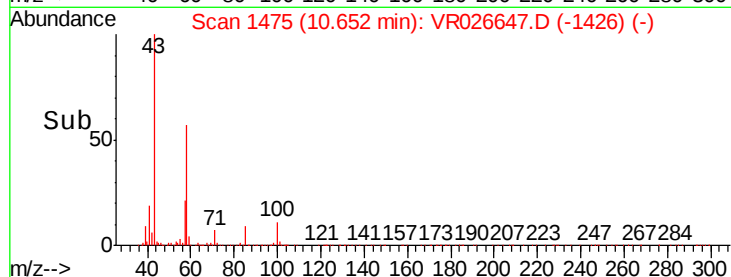
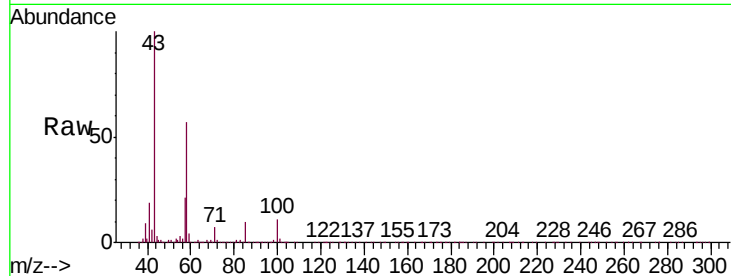




#48
2-Hexanone
Concen: 46.241 ug/L
RT: 10.65 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

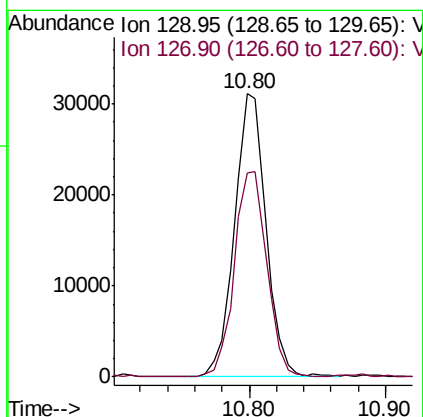
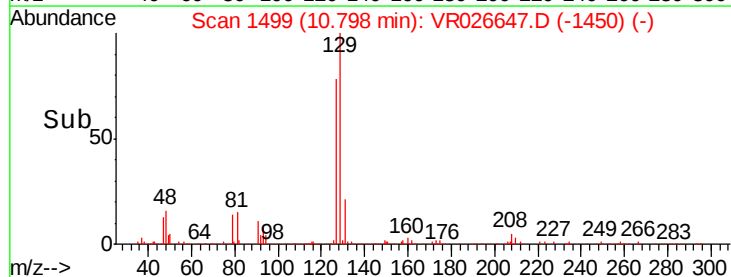
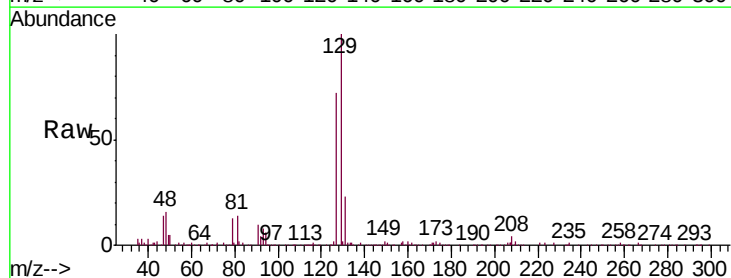
Instrument :
MSVOA_R
ClientSampleId :
VSTD00572

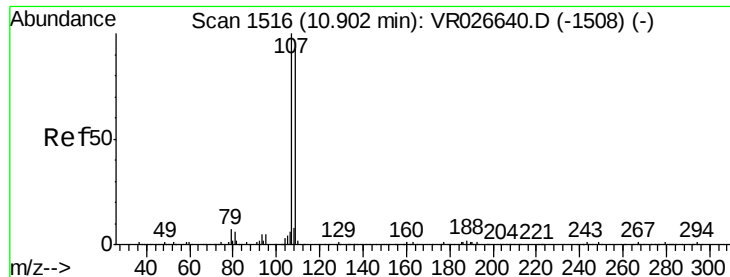
Tgt Ion:	43	Resp:	166175
Ion	Ratio	Lower	Upper
43	100		
58	59.0	46.4	69.6
57	19.8	16.7	25.1
100	11.5	8.6	13.0



#49
Dibromochloromethane
Concen: 4.782 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

Tgt Ion:	129	Resp:	50150
Ion	Ratio	Lower	Upper
129	100		
127	72.1	57.0	105.9

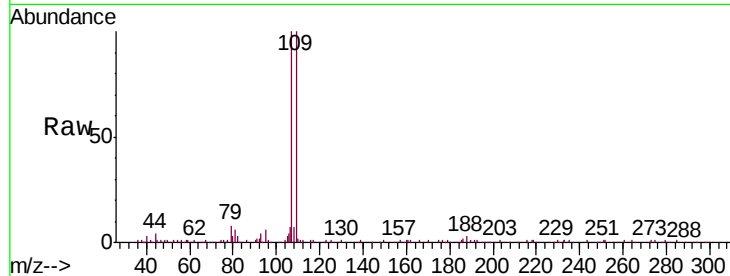




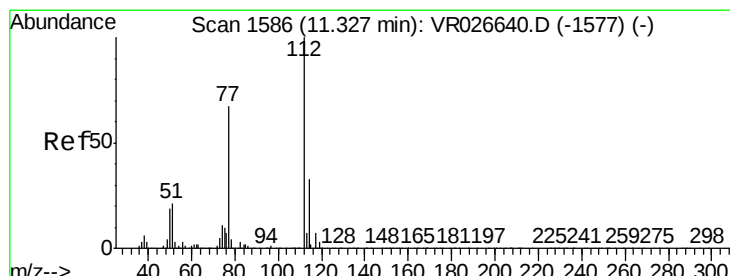
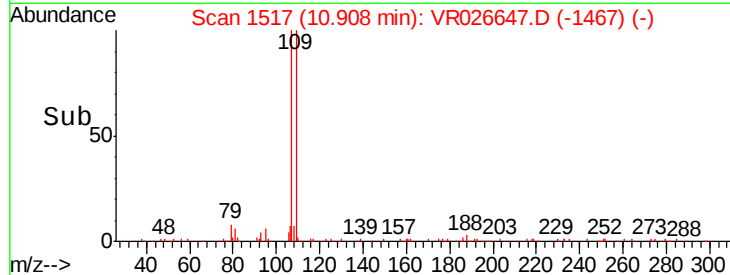
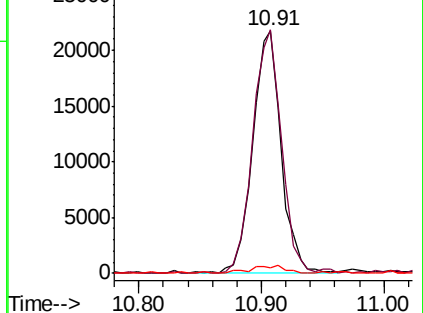
#50
1,2-Dibromoethane
Concen: 4.237 ug/L
RT: 10.91 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

Instrument :
MSVOA_R
ClientSampleId :
VSTD00572

Tgt Ion	Ratio	Lower	Upper
107	100		
109	100.5	67.2	124.8
188	2.5	1.8	2.8

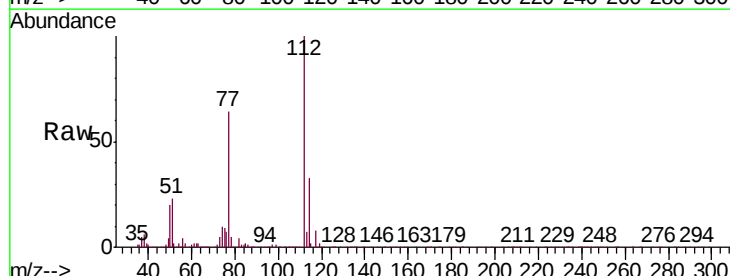


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

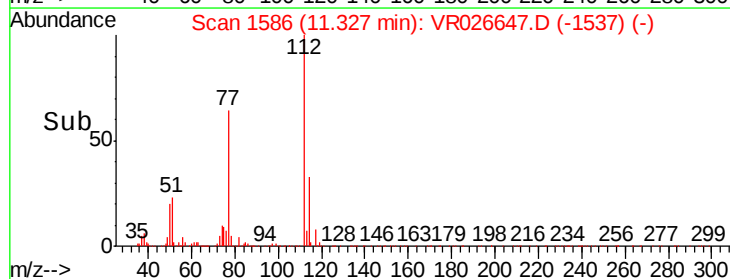
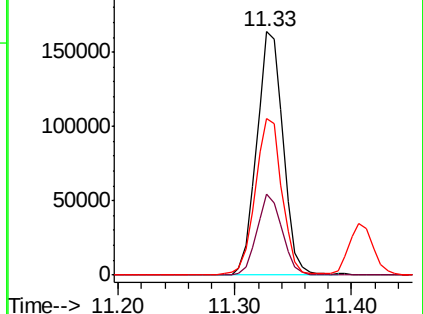


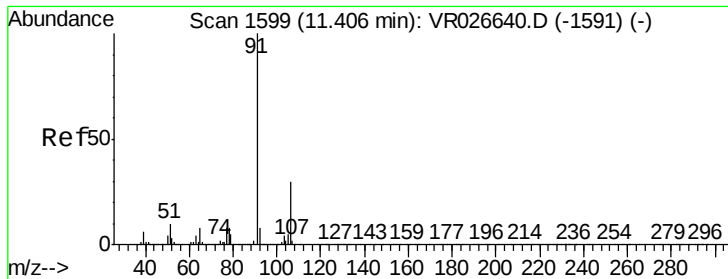
#51
Chlorobenzene
Concen: 4.552 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.7	42.1
77	64.3	54.0	81.0



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): VR





#52

Ethylbenzene

Concen: 4.800 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

Instrument :

MSVOA_R

ClientSampleId :

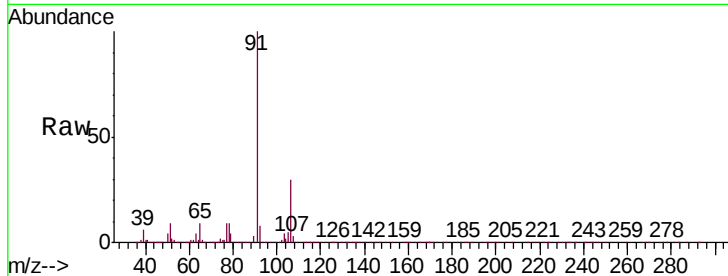
VSTD00572

Tgt Ion: 91 Resp: 531512

Ion Ratio Lower Upper

91 100

106 29.8 21.0 39.0



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V

11.41

400000

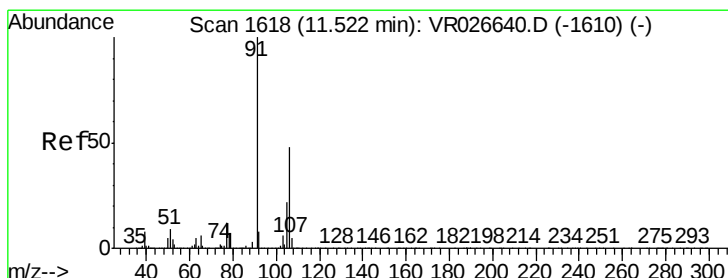
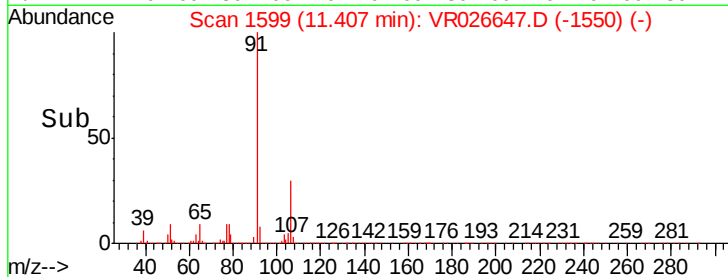
300000

200000

100000

0

Time--> 11.30 11.40 11.50



#53

m,p-Xylene

Concen: 4.904 ug/L

RT: 11.52 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VR026647.D

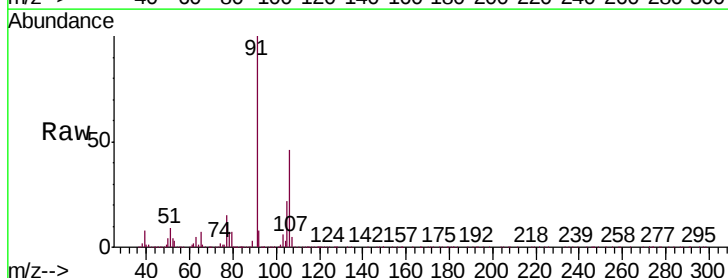
Acq: 17 Sep 2019 19:50

Tgt Ion: 106 Resp: 194223

Ion Ratio Lower Upper

106 100

91 218.6 146.5 272.1



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0

11.52

250000

200000

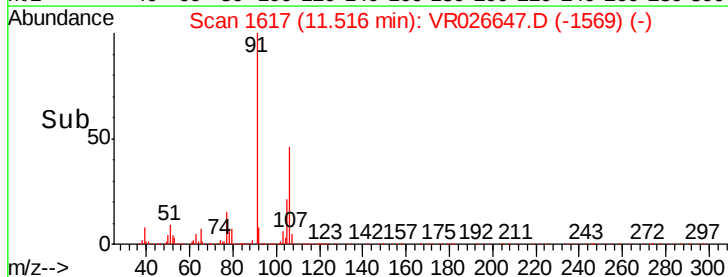
150000

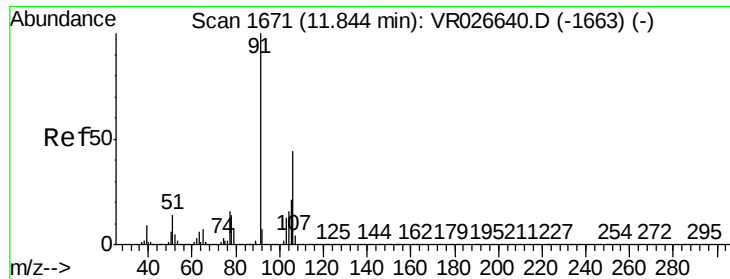
100000

50000

0

Time--> 11.45 11.50 11.55 11.60

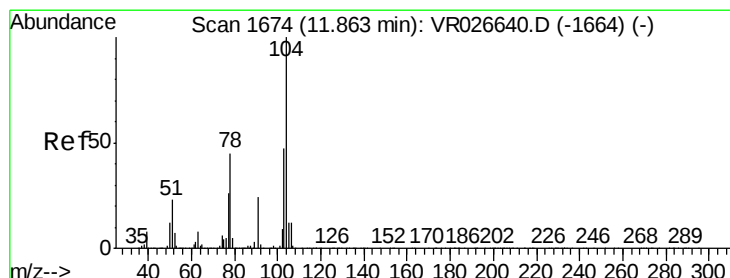
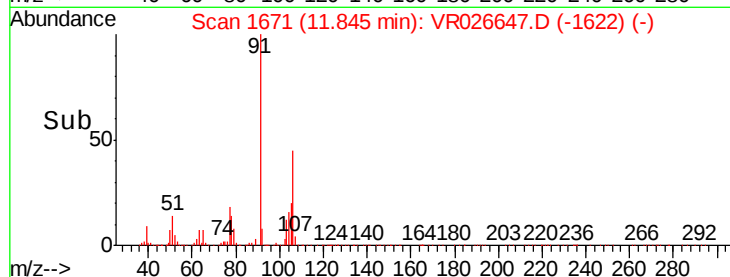
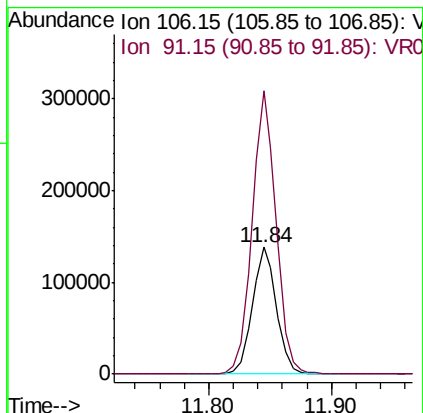
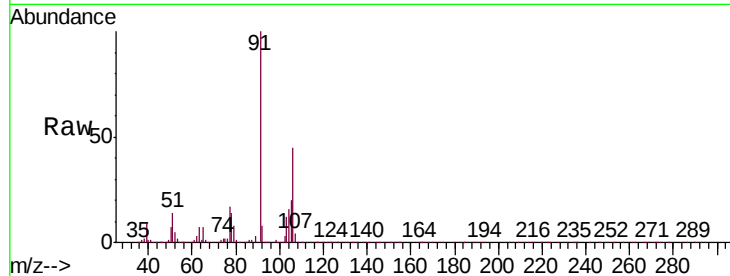




#54
o-Xylene
Concen: 4.836 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

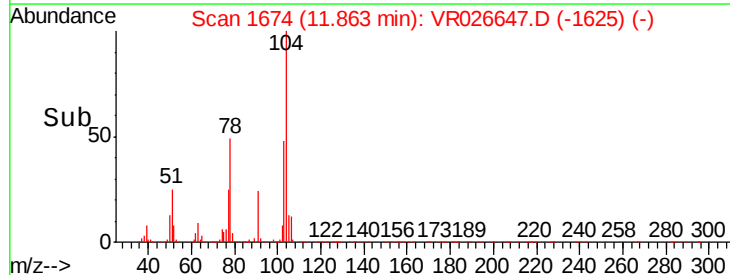
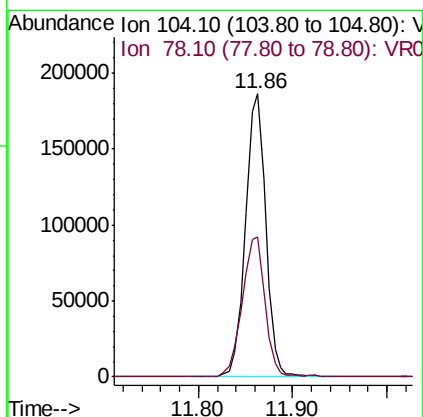
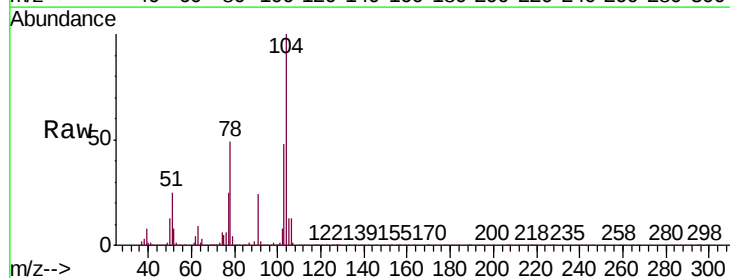
Instrument :
MSVOA_R
ClientSampleId :
VSTD00572

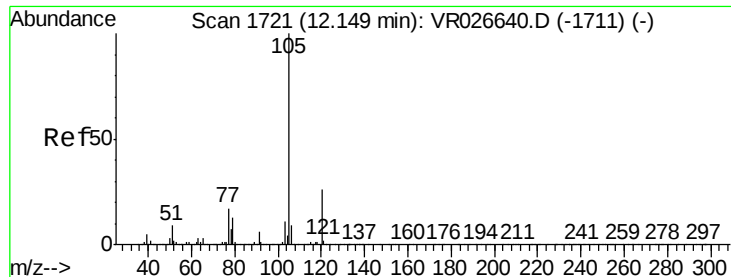
Tgt Ion:106 Resp: 189022
Ion Ratio Lower Upper
106 100
91 223.1 154.3 286.5



#55
Styrene
Concen: 4.981 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VR026647.D
Acq: 17 Sep 2019 19:50

Tgt Ion:104 Resp: 279146
Ion Ratio Lower Upper
104 100
78 49.2 32.5 60.3





#56

Isopropylbenzene

Concen: 5.001 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. 0.00 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

Instrument :

MSVOA_R

ClientSampleId :

VSTD00572

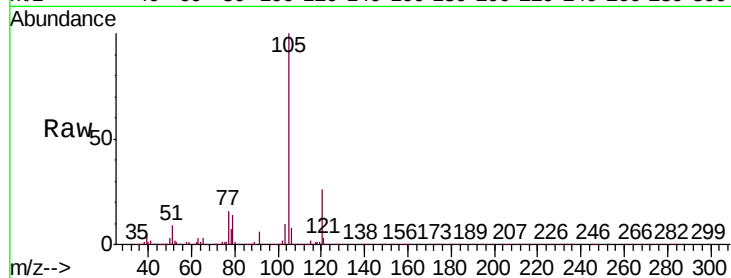
Tgt Ion: 105 Resp: 552285

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

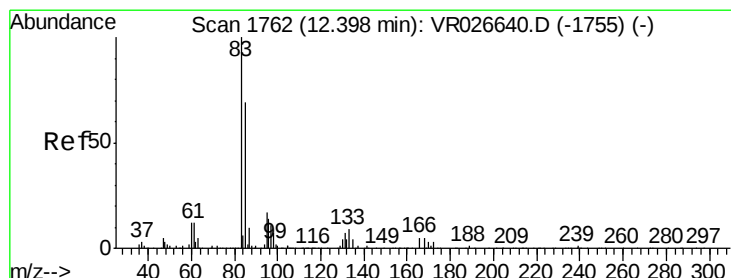
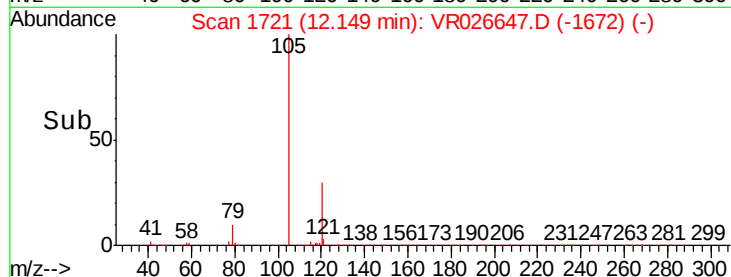
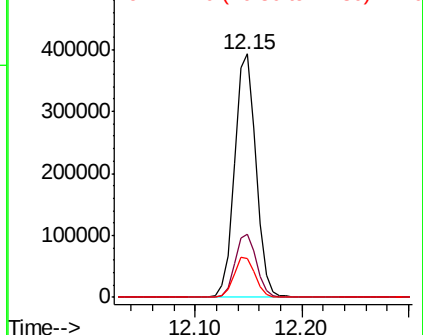
77 16.7 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VR0



#58

1,1,2,2-Tetrachloroethane

Concen: 4.690 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

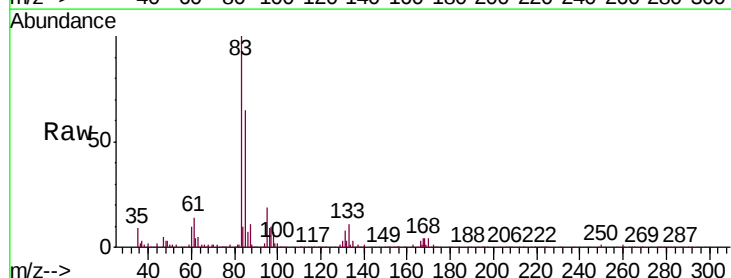
Tgt Ion: 83 Resp: 52268

Ion Ratio Lower Upper

83 100

85 65.0 46.1 85.7

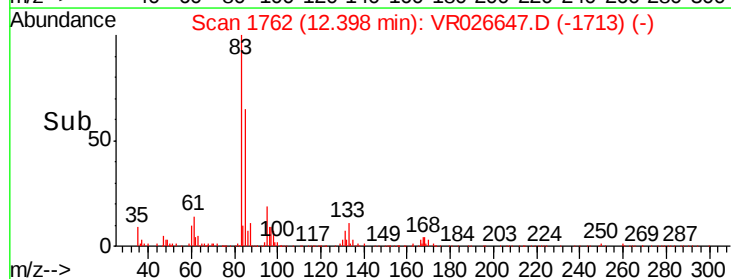
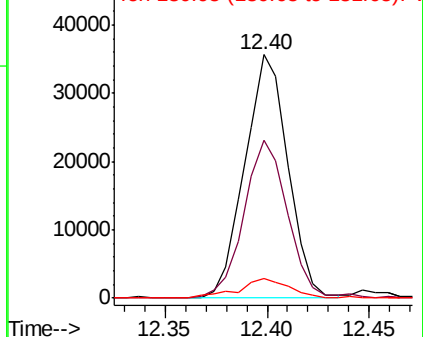
131 7.8 6.8 10.2

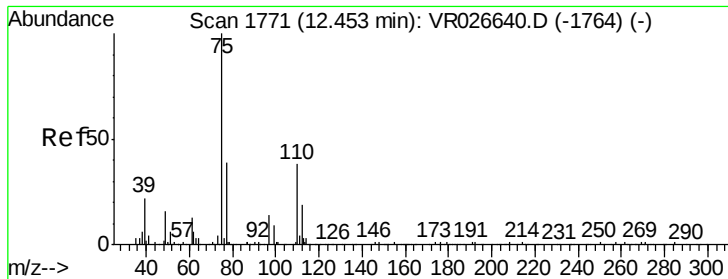


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

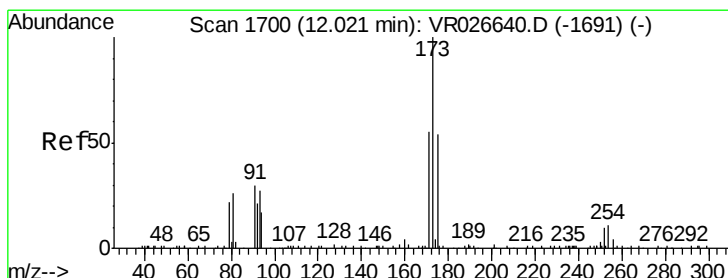
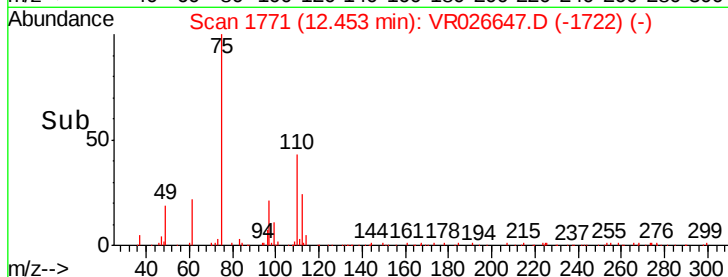
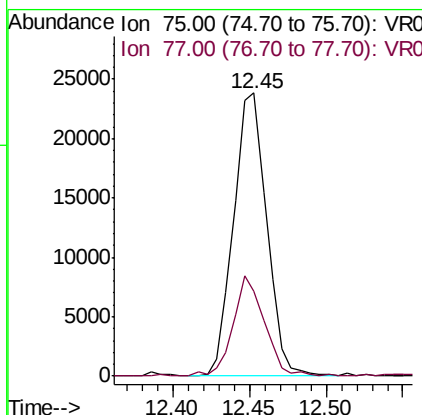
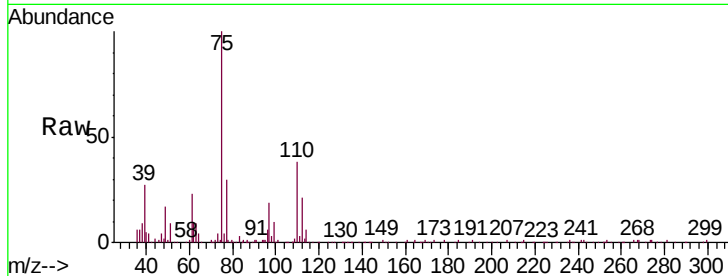




#59
 1,2,3-Trichloropropane
 Concen: 4.388 ug/L
 RT: 12.45 min Scan# 1771
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

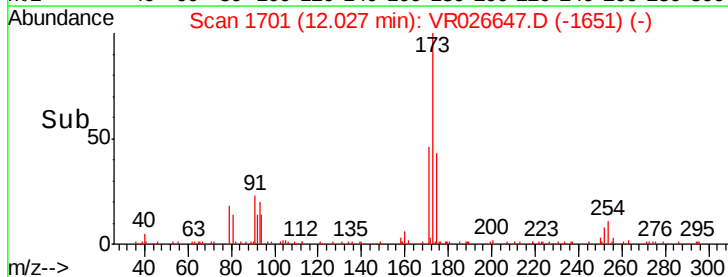
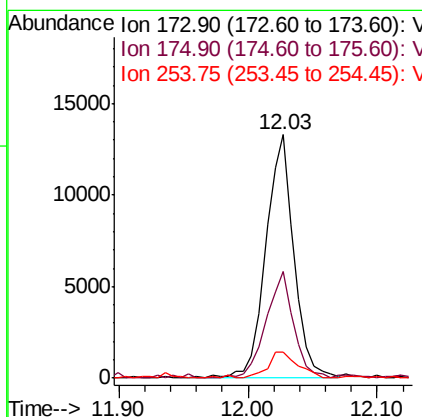
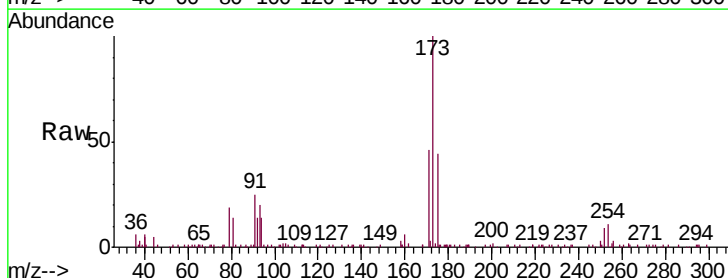
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00572

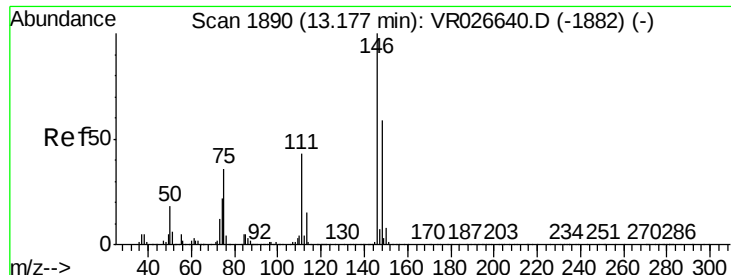
Tgt Ion: 75 Resp: 35868
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.8 38.6



#61
 Bromoform
 Concen: 4.086 ug/L
 RT: 12.03 min Scan# 1701
 Delta R.T. 0.01 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

Tgt Ion: 173 Resp: 20047
 Ion Ratio Lower Upper
 173 100
 175 43.2 40.2 60.2
 254 11.6 8.7 13.1

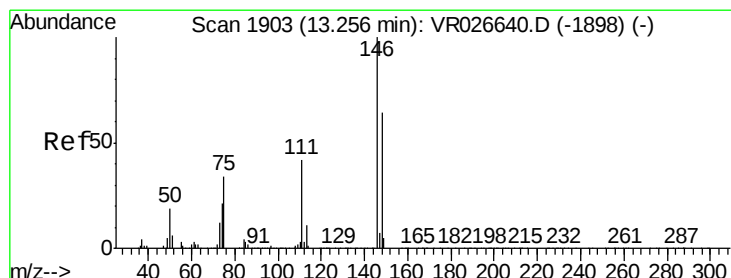
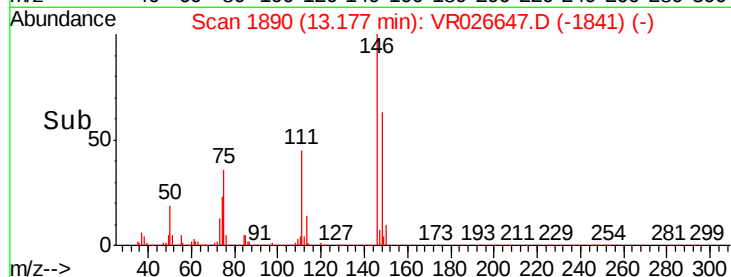
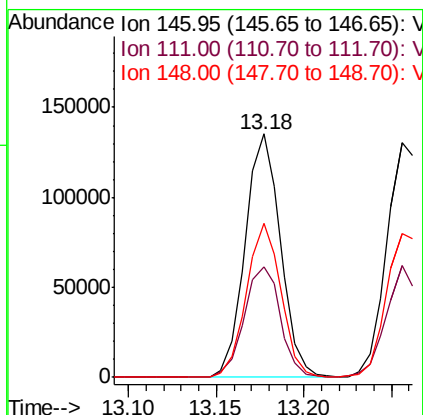
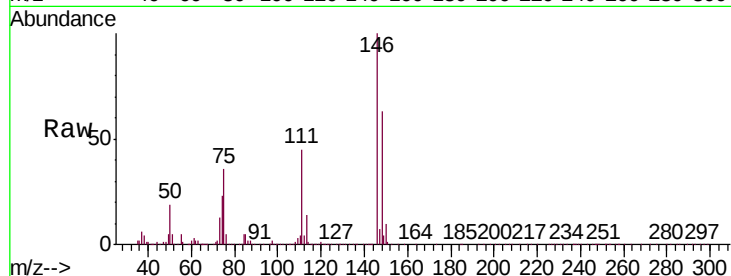




#62
 1,3-Dichlorobenzene
 Concen: 4.272 ug/L
 RT: 13.18 min Scan# 1890
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

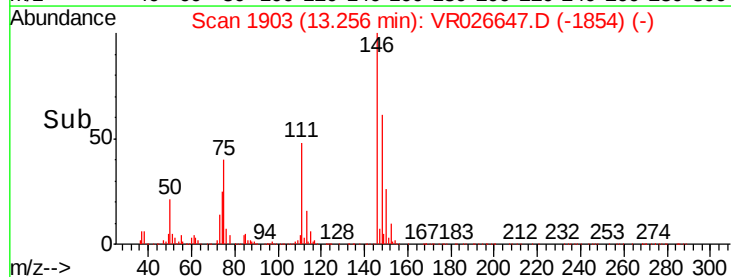
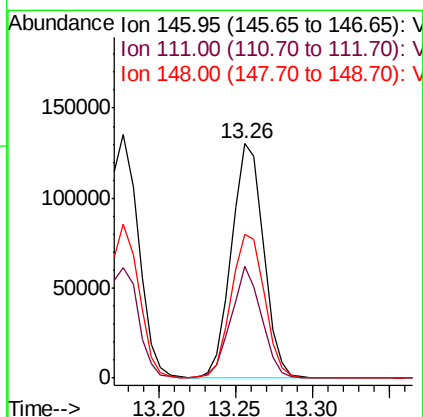
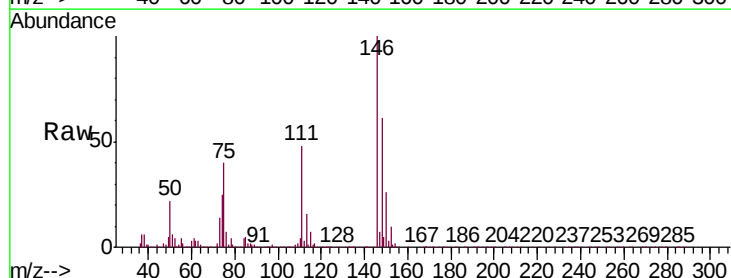
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00572

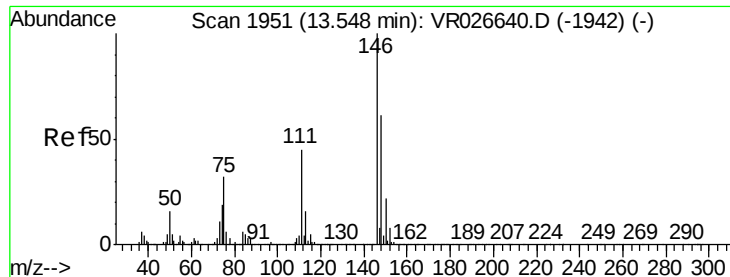
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.4	29.5	54.9
148	63.2	42.8	79.4



#63
 1,4-Dichlorobenzene
 Concen: 4.240 ug/L
 RT: 13.26 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.0	31.1	57.9
148	61.2	44.6	82.8

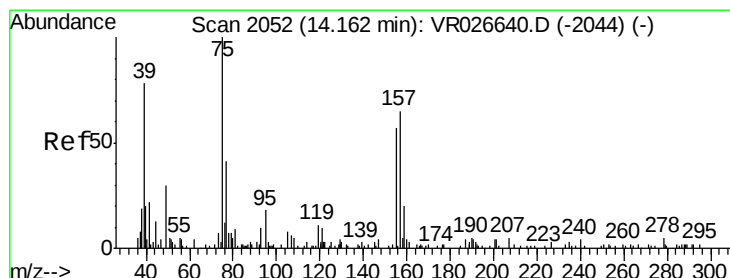
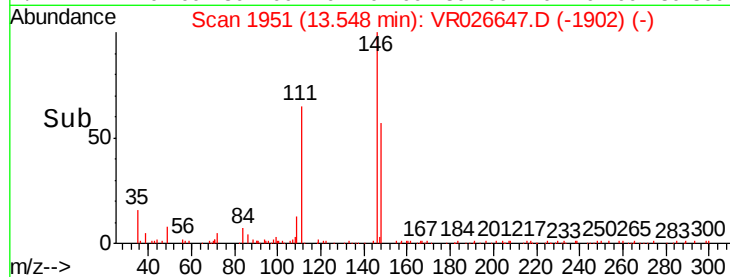
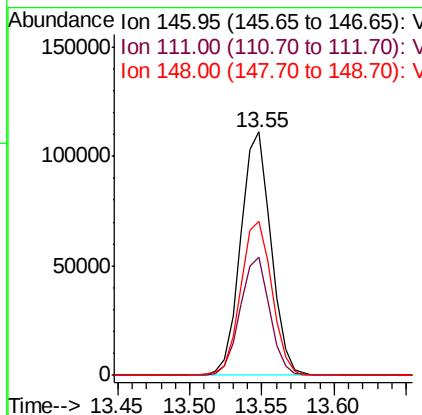
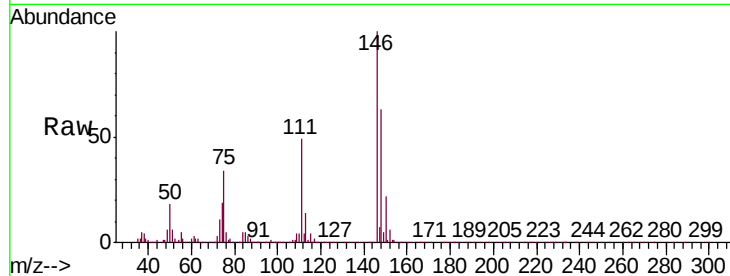




#65
 1,2-Dichlorobenzene
 Concen: 4.264 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

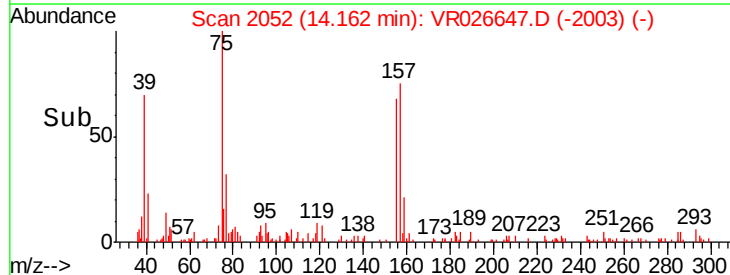
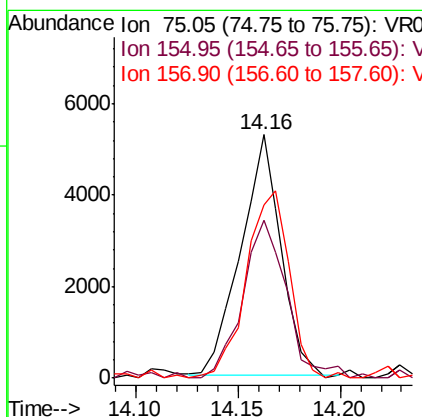
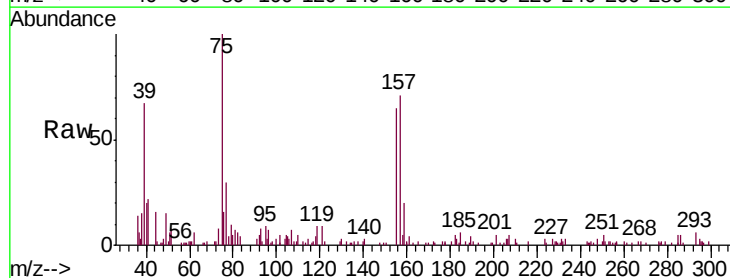
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00572

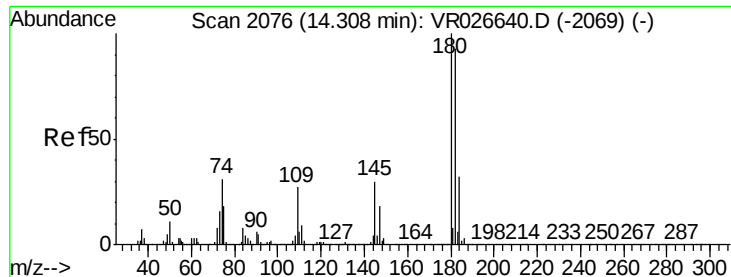
Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.6	38.2	57.2
148	63.1	50.1	75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.800 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.7	49.4	74.2
157	71.4	65.2	97.8

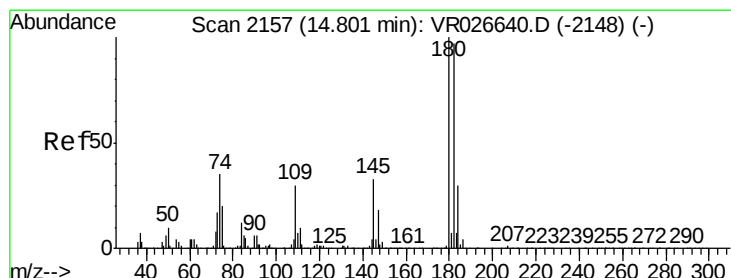
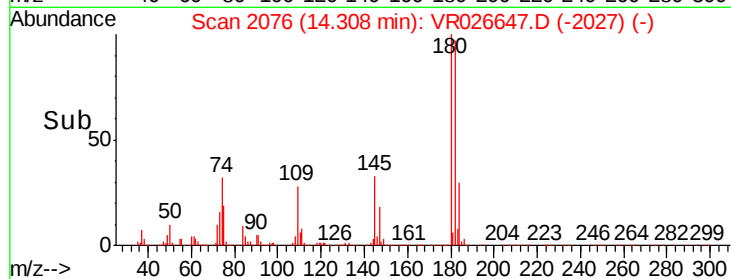
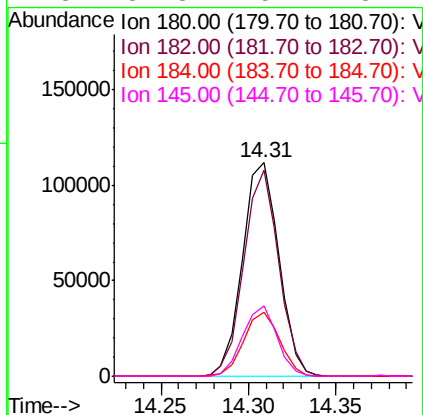
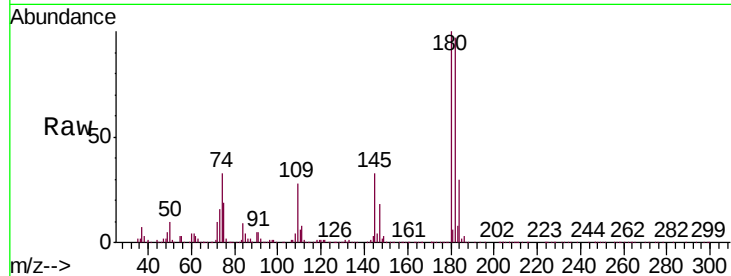




#67
 1,3,5-Trichlorobenzene
 Concen: 4.488 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

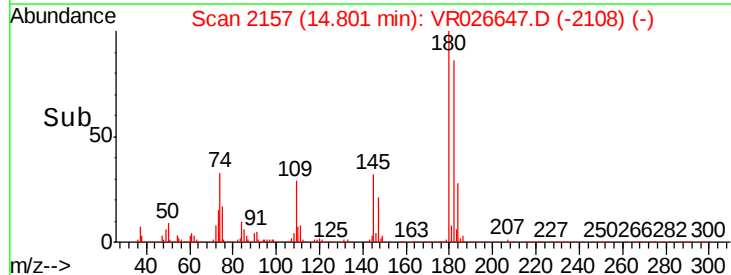
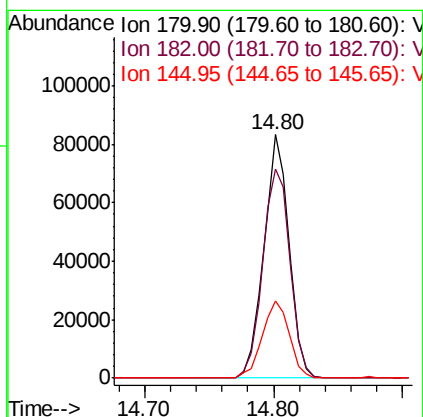
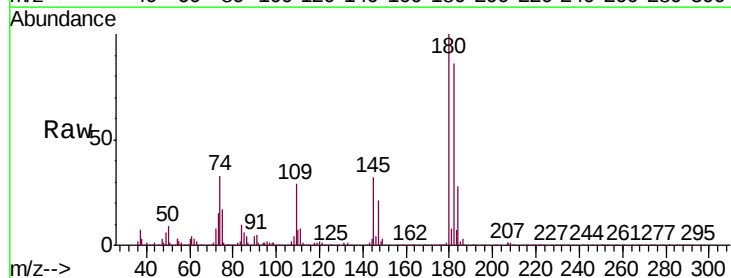
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00572

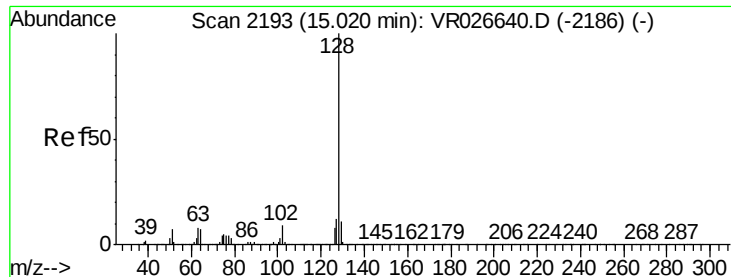
Tgt Ion:	180	Resp:	162299
Ion	Ratio	Lower	Upper
180	100		
182	92.6	76.3	114.5
184	29.7	24.4	36.6
145	31.3	25.1	37.7



#68
 1,2,4-trichlorobenzene
 Concen: 4.381 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. 0.00 min
 Lab File: VR026647.D
 Acq: 17 Sep 2019 19:50

Tgt Ion:	180	Resp:	111758
Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.1	112.7
145	34.2	25.9	38.9





#69

Naphthalene

Concen: 4.049 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

Instrument :

MSVOA_R

ClientSampled :

VSTD00572

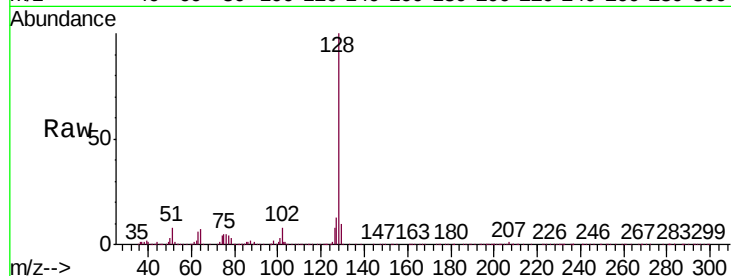
Tgt Ion:128 Resp: 137343

Ion Ratio Lower Upper

128 100

127 12.6 10.8 16.2

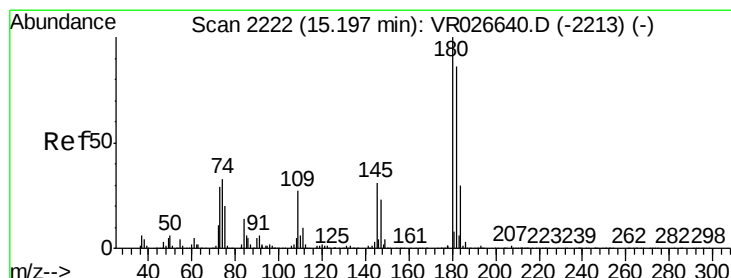
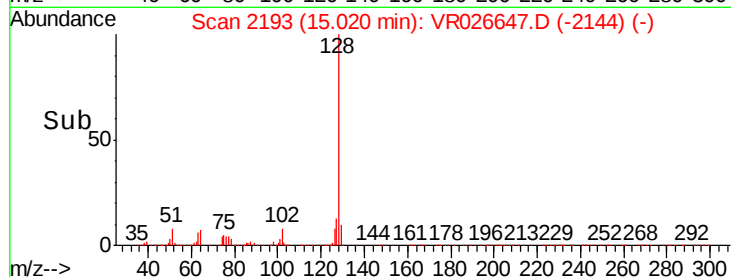
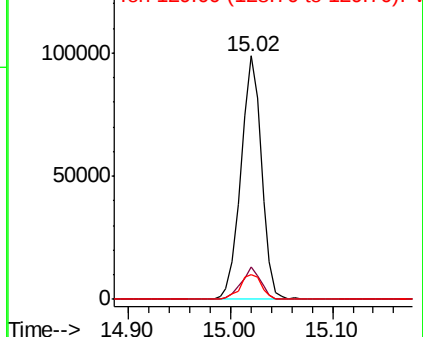
129 10.6 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.806 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. 0.00 min

Lab File: VR026647.D

Acq: 17 Sep 2019 19:50

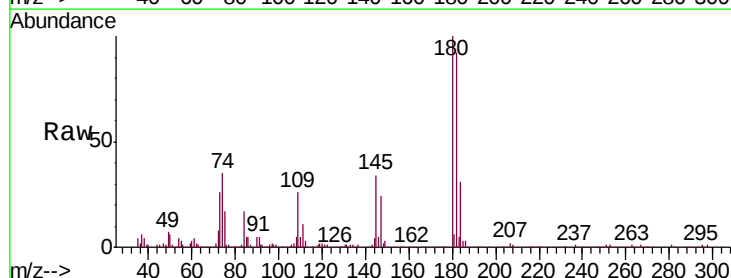
Tgt Ion:180 Resp: 108584

Ion Ratio Lower Upper

180 100

182 91.9 76.2 114.4

145 34.5 28.6 42.8



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

