

Data File : VR026640.D
Acq On : 17 Sep 2019 9:35
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00571

Quant Time: Sep 18 06:57:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 16 02:01:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.48	114	355386	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.30	117	287144	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.24	152	135162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.19	65	38375	3.93	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	2.65	69	37853	4.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.80%
11) 1,1-Dichloroethene-d2	3.64	63	123352	4.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.40%
20) 2-Butanone-d5	6.62	46	99175	46.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.66%
24) Chloroform-d	7.22	84	179744	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	7.91	65	59641	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.00%
32) Benzene-d6	7.88	84	325386	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	8.92	67	86527	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	9.99	98	258351	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	10.25	79	19508	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	10.61	63	70381	54.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.18%
57) 1,1,2,2-Tetrachloroethane-	12.38	84	48734	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.60%
64) 1,2-Dichlorobenzene-d4	13.53	152	77102	4.49	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	192121	4.782 ug/L	100
3) Chloromethane	2.07	50	82462	3.932 ug/L	91
5) Vinyl chloride	2.20	62	84508	4.021 ug/L	99
6) Bromomethane	2.54	94	57315	4.340 ug/L	94
8) Chloroethane	2.68	64	49848	4.112 ug/L	97
9) Trichlorofluoromethane	2.97	101	178154	4.900 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.69	101	78705	4.939 ug/L	99
12) 1,1-Dichloroethene	3.67	96	68314	4.357 ug/L	86
13) Acetone	3.73	43	74022	46.477 ug/L	99
14) Carbon disulfide	3.97	76	390623	5.820 ug/L	100
15) Methyl Acetate	4.22	43	26968	4.032 ug/L #	89
16) Methylene chloride	4.43	84	104692	3.210 ug/L	98
17) Methyl tert-butyl Ether	4.93	73	146460	4.322 ug/L	99
18) trans-1,2-Dichloroethene	4.91	96	141835	4.330 ug/L	90
19) 1,1-Dichloroethane	5.72	63	256946	4.183 ug/L	99
21) 2-Butanone	6.72	43	136356	46.868 ug/L	99
22) cis-1,2-Dichloroethene	6.70	96	137824	4.390 ug/L #	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.07	128	38506	4.410	ug/L	87
25) Chloroform	7.26	83	246902	4.193	ug/L	98
27) 1,2-Dichloroethane	8.01	62	95699	4.621	ug/L	95
29) 1,1,1-Trichloroethane	7.45	97	193886	4.197	ug/L	98
30) Cyclohexane	7.54	56	226048	4.590	ug/L	100
31) Carbon tetrachloride	7.66	117	175497	4.486	ug/L	99
33) Benzene	7.93	78	561994	4.414	ug/L	100
34) Trichloroethene	8.73	95	138762	4.375	ug/L	97
35) Methylcyclohexane	8.97	83	227474	4.763	ug/L	99
37) 1,2-Dichloropropane	9.02	63	111563	4.339	ug/L	100
38) Bromodichloromethane	9.30	83	120366	4.397	ug/L #	99
39) cis-1,3-Dichloropropene	9.74	75	121575	4.461	ug/L	96
40) 4-Methyl-2-pentanone	9.88	43	306981	47.668	ug/L	99
42) Toluene	10.05	91	539200	4.849	ug/L	100
44) trans-1,3-Dichloropropene	10.28	75	81064	4.627	ug/L	93
45) 1,1,2-Trichloroethane	10.46	97	51723	4.721	ug/L	89
47) Tetrachloroethene	10.53	164	85295	4.555	ug/L	95
48) 2-Hexanone	10.65	43	194789	47.588	ug/L	99
49) Dibromochloromethane	10.80	129	56352	4.717	ug/L	85
50) 1,2-Dibromoethane	10.90	107	41039	4.318	ug/L	97
51) Chlorobenzene	11.33	112	298814	4.624	ug/L	99
52) Ethylbenzene	11.41	91	606894	4.811	ug/L	99
53) m,p-Xylene	11.52	106	222442	4.931	ug/L	99
54) o-Xylene	11.84	106	213740	4.801	ug/L	96
55) Styrene	11.86	104	321200	5.032	ug/L	98
56) Isopropylbenzene	12.15	105	636860	5.063	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.40	83	59267	4.669	ug/L	96
59) 1,2,3-Trichloropropane	12.45	75	41436	4.450	ug/L	96
61) Bromoform	12.02	173	22925	4.340	ug/L	98
62) 1,3-Dichlorobenzene	13.18	146	219237	4.562	ug/L	98
63) 1,4-Dichlorobenzene	13.26	146	212733	4.454	ug/L	98
65) 1,2-Dichlorobenzene	13.55	146	184303	4.526	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.16	75	9087	4.474	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.31	180	187248	4.810	ug/L	99
68) 1,2,4-trichlorobenzene	14.80	180	130285	4.744	ug/L	98
69) Naphthalene	15.02	128	166681	4.564	ug/L	99
70) 1,2,3-Trichlorobenzene	15.20	180	125017	5.139	ug/L	95

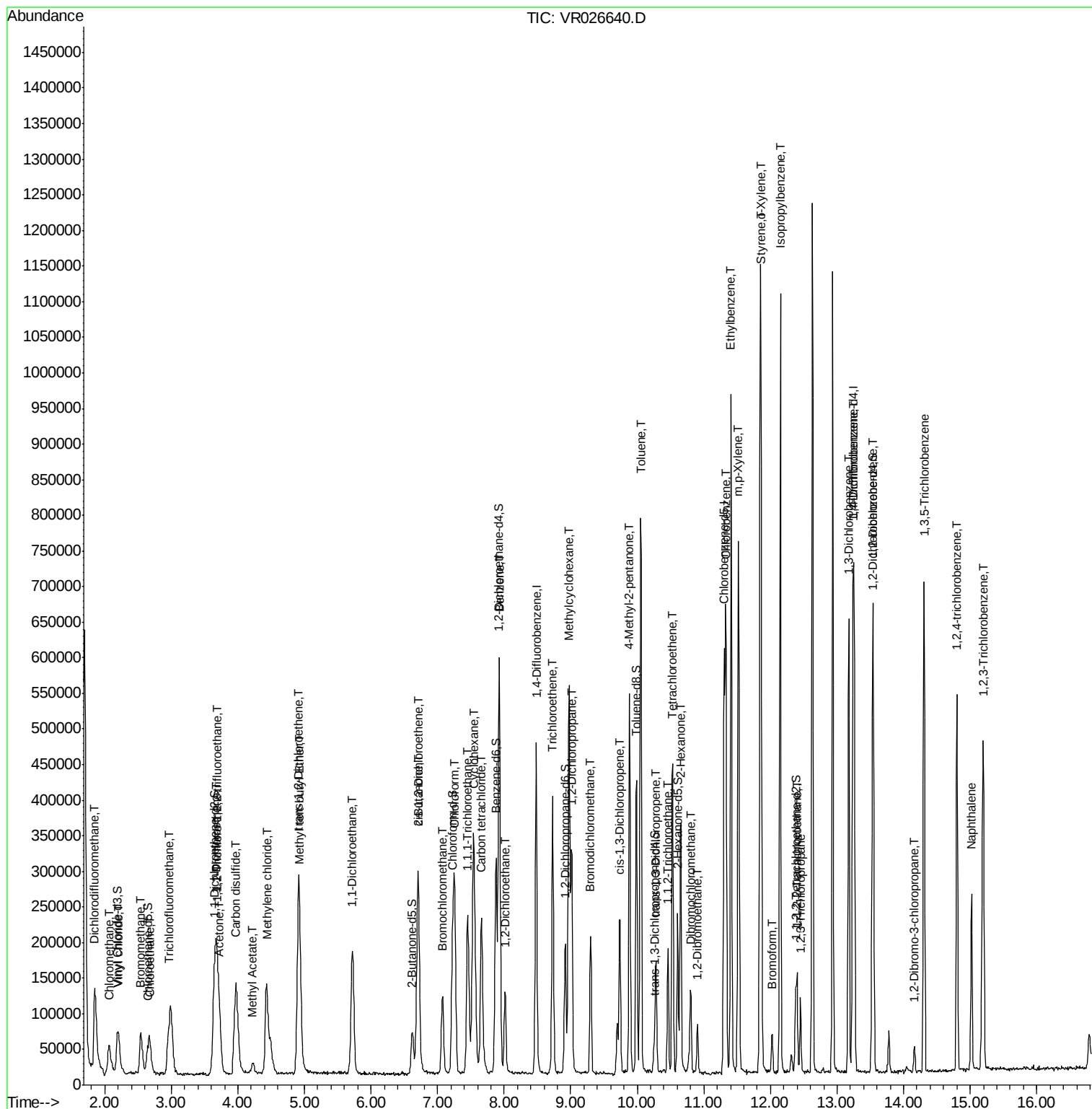
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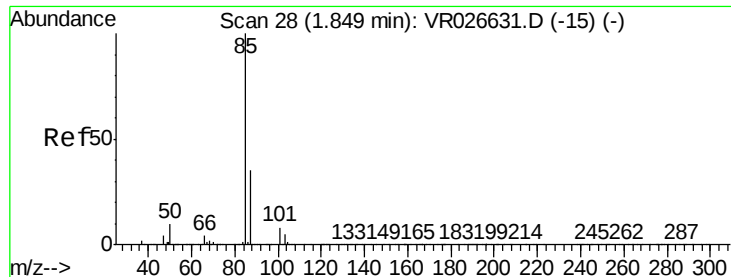
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#2

Dichlorodifluoromethane

Concen: 4.782 ug/L

RT: 1.85 min Scan# 28

Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

Instrument :

MSVOA_R

ClientSampleId :

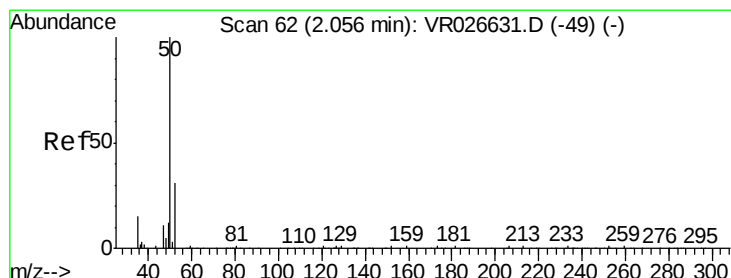
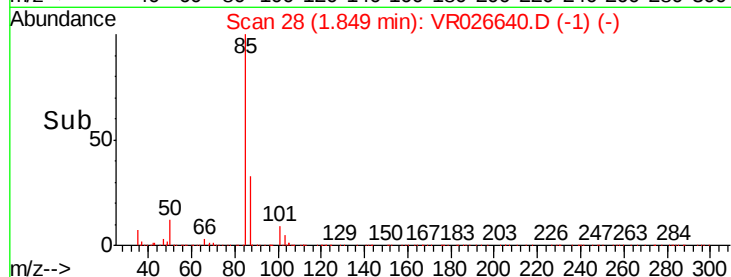
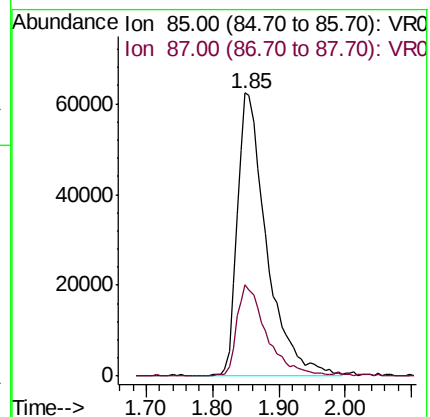
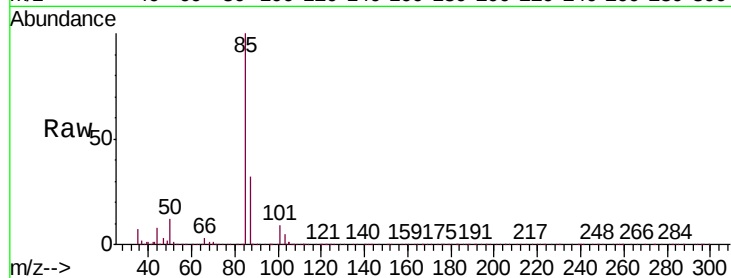
VSTD00571

Tgt Ion: 85 Resp: 192121

Ion Ratio Lower Upper

85 100

87 32.3 26.0 39.0



#3

Chloromethane

Concen: 3.932 ug/L

RT: 2.07 min Scan# 64

Delta R.T. 0.01 min

Lab File: VR026640.D

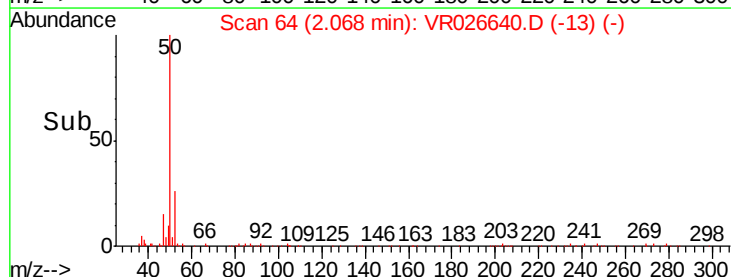
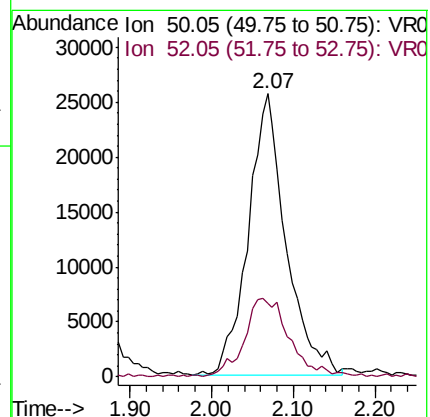
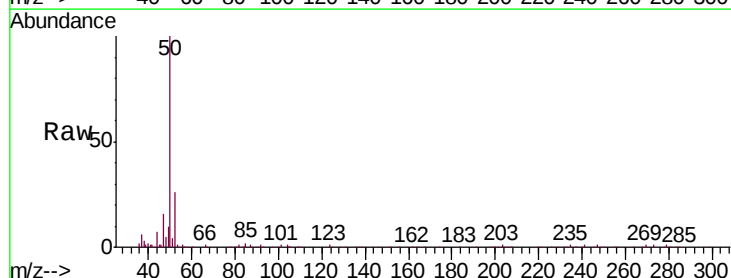
Acq: 17 Sep 2019 9:35

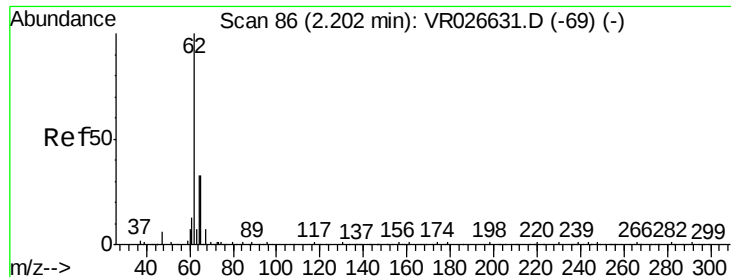
Tgt Ion: 50 Resp: 82462

Ion Ratio Lower Upper

50 100

52 25.9 21.7 40.3





#5

Vinyl chloride

Concen: 4.021 ug/L

RT: 2.20 min Scan# 85

Delta R.T. -0.01 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

Instrument :

MSVOA_R

ClientSampled :

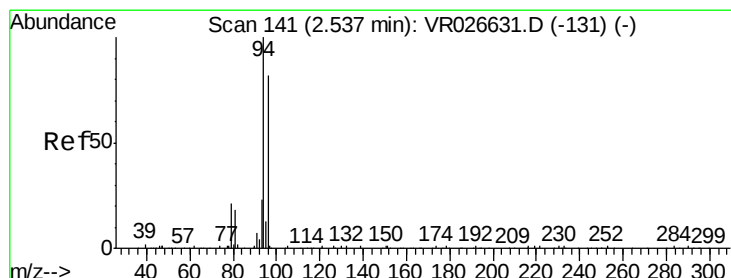
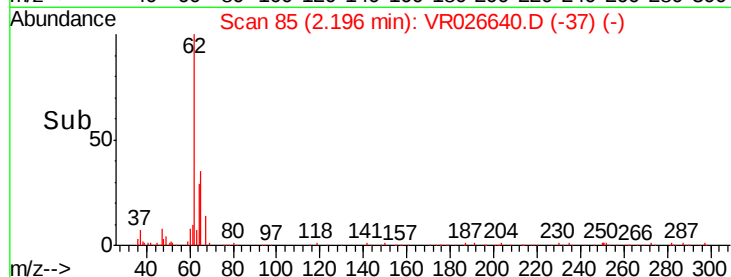
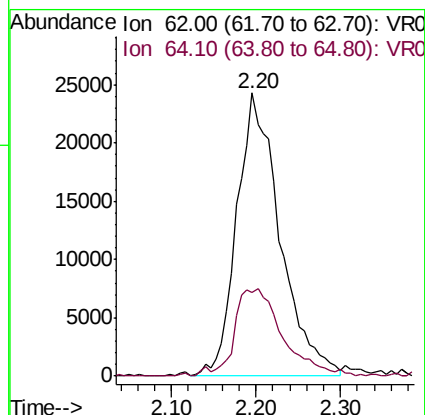
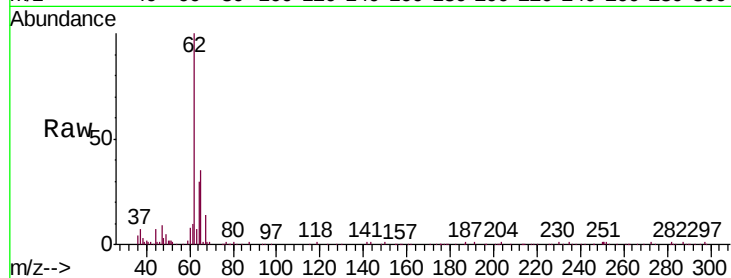
VSTD00571

Tgt Ion: 62 Resp: 84508

Ion Ratio Lower Upper

62 100

64 29.5 21.2 39.4



#6

Bromomethane

Concen: 4.340 ug/L

RT: 2.54 min Scan# 142

Delta R.T. 0.01 min

Lab File: VR026640.D

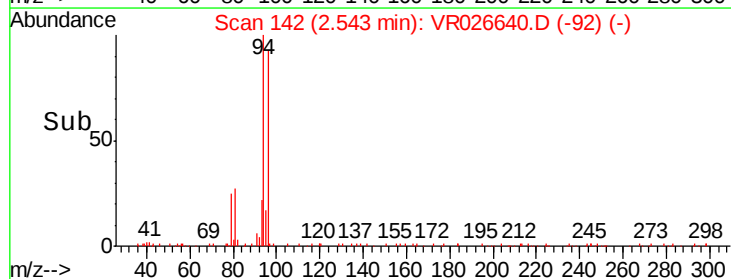
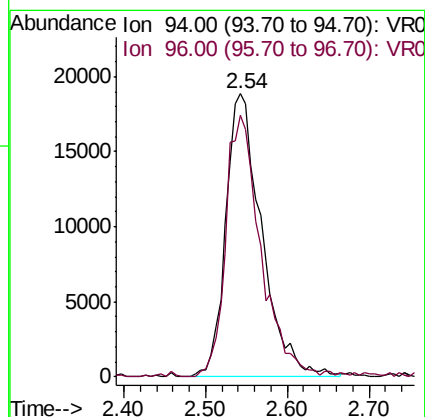
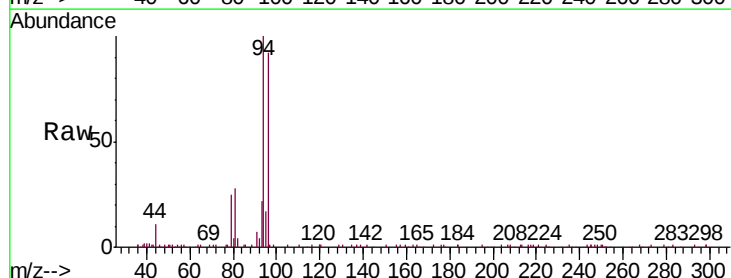
Acq: 17 Sep 2019 9:35

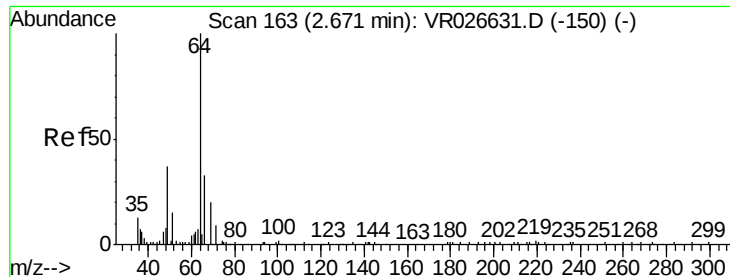
Tgt Ion: 94 Resp: 57315

Ion Ratio Lower Upper

94 100

96 92.5 61.0 113.4





#8

Chloroethane

Concen: 4.112 ug/L

RT: 2.68 min Scan# 165

Delta R.T. 0.01 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

Instrument :

MSVOA_R

ClientSampleId :

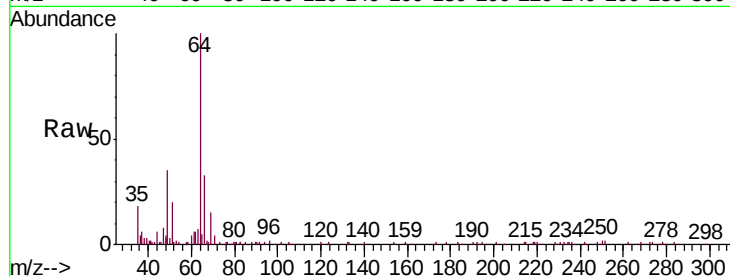
VSTD00571

Tgt Ion: 64 Resp: 49848

Ion Ratio Lower Upper

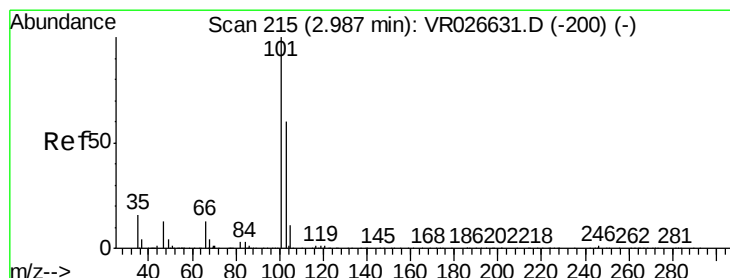
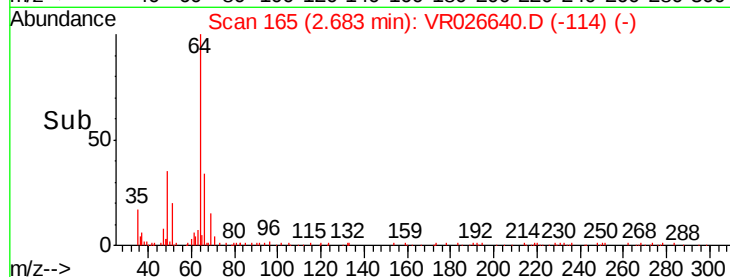
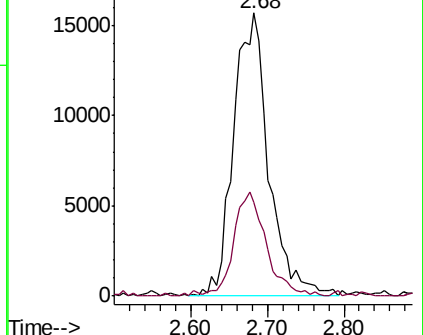
64 100

66 33.4 22.3 41.3



Abundance Ion 64.10 (63.80 to 64.80): VR026631.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VR026631.D (-150) (-)



#9

Trichlorofluoromethane

Concen: 4.900 ug/L

RT: 2.97 min Scan# 213

Delta R.T. -0.01 min

Lab File: VR026640.D

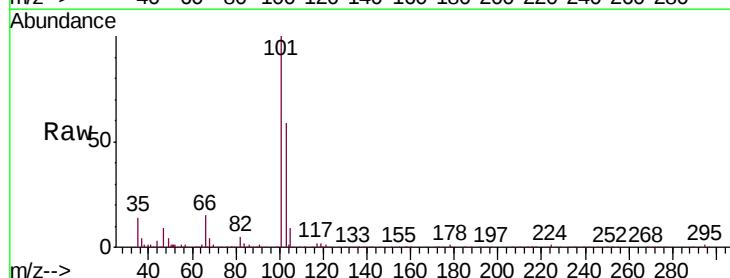
Acq: 17 Sep 2019 9:35

Tgt Ion: 101 Resp: 178154

Ion Ratio Lower Upper

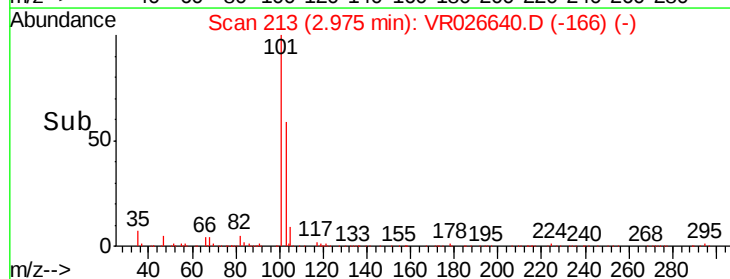
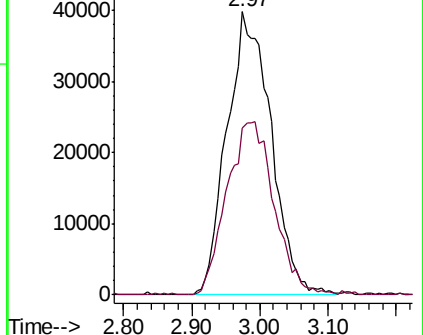
101 100

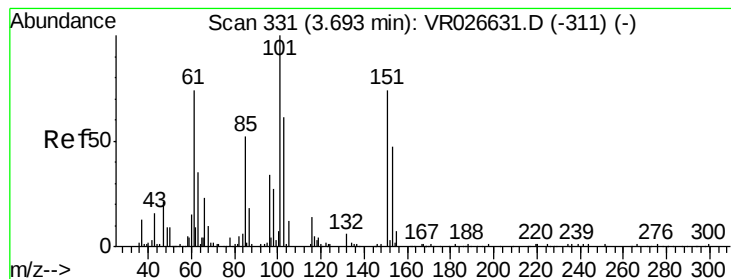
103 65.5 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VR026631.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VR026631.D (-200) (-)





#10

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

Concen: 4.939 ug/L

RT: 3.69 min Scan# 331

Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

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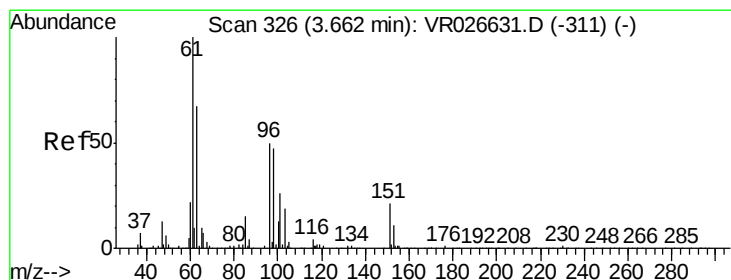
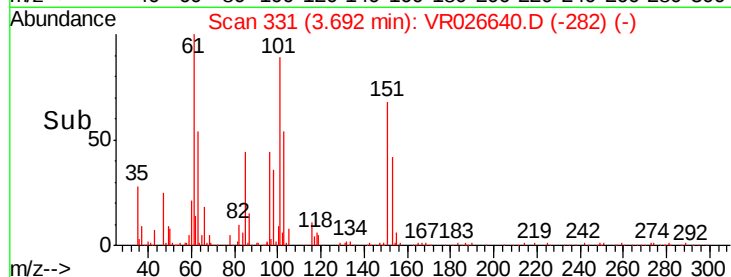
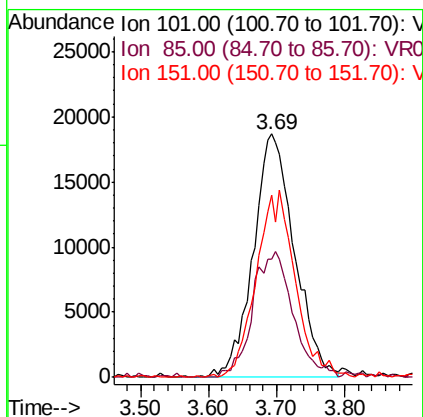
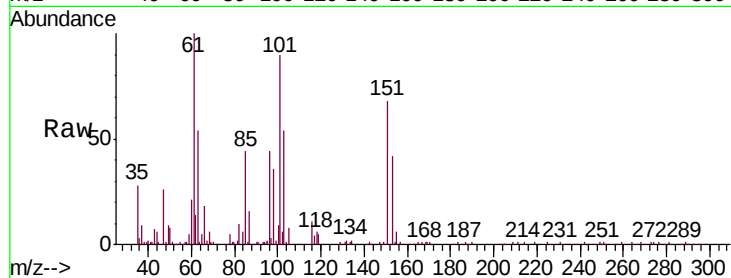
Tgt Ion: 101 Resp: 78705

Ion Ratio Lower Upper

101 100

85 50.7 39.7 59.5

151 72.2 58.4 87.6



#12

1,1-Dichloroethene

Concen: 4.357 ug/L

RT: 3.67 min Scan# 328

Delta R.T. 0.01 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

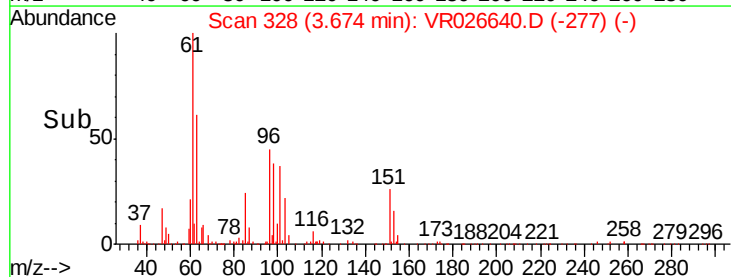
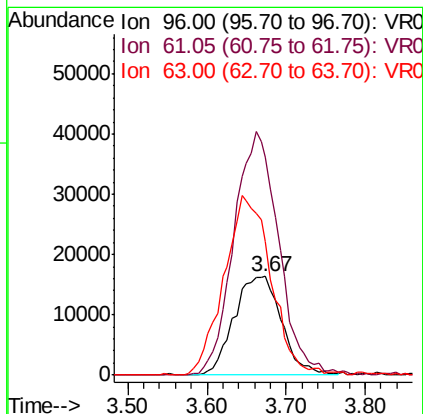
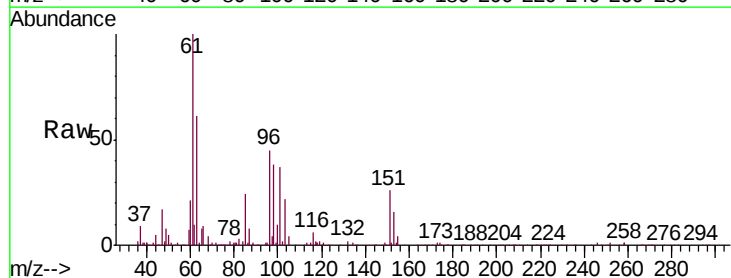
Tgt Ion: 96 Resp: 68314

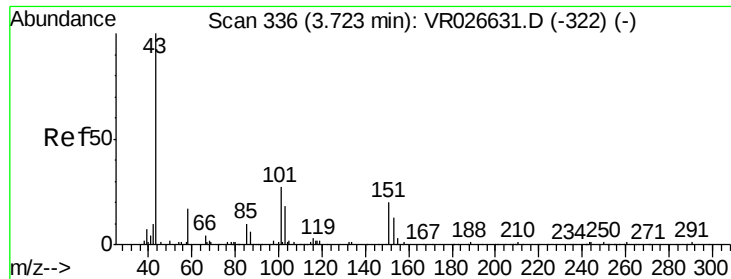
Ion Ratio Lower Upper

96 100

61 221.0 143.3 266.1

63 135.8 112.6 209.0

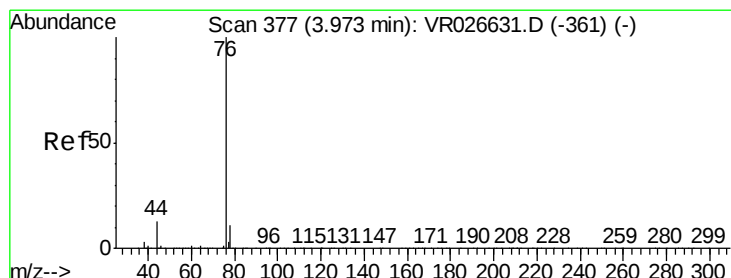
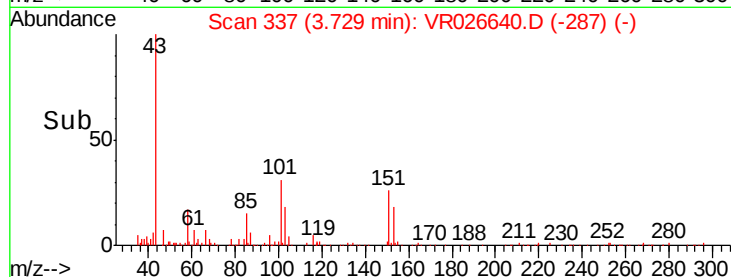
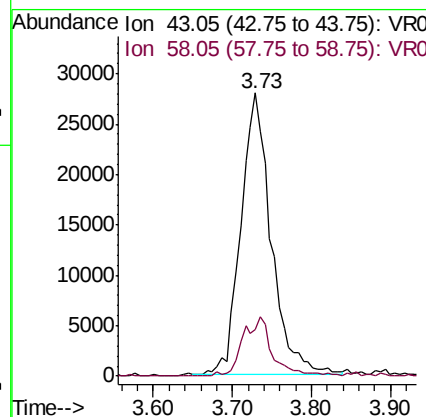
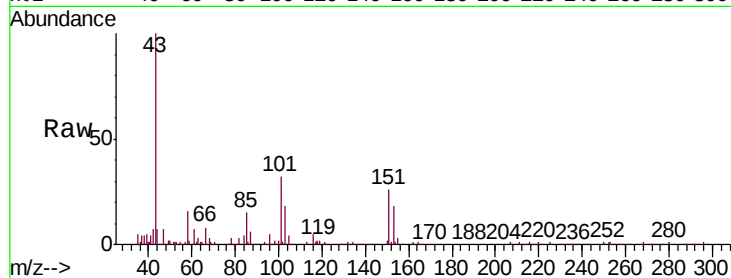




#13
Acetone
Concen: 46.477 ug/L
RT: 3.73 min Scan# 337
Delta R.T. 0.01 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

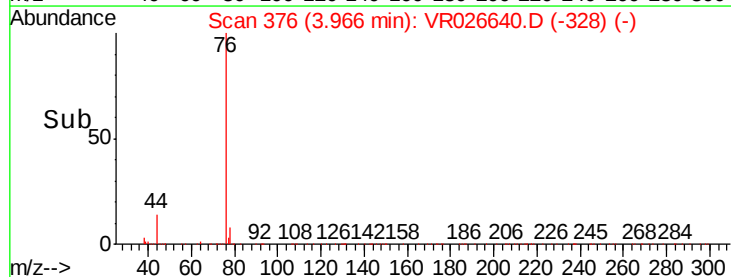
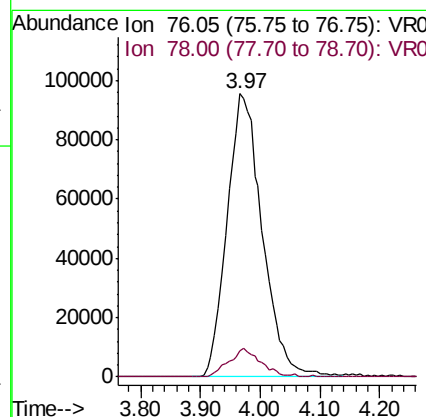
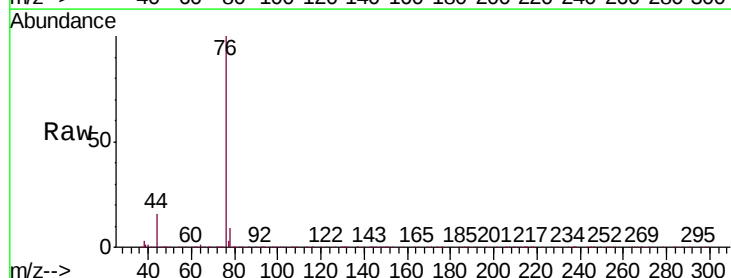
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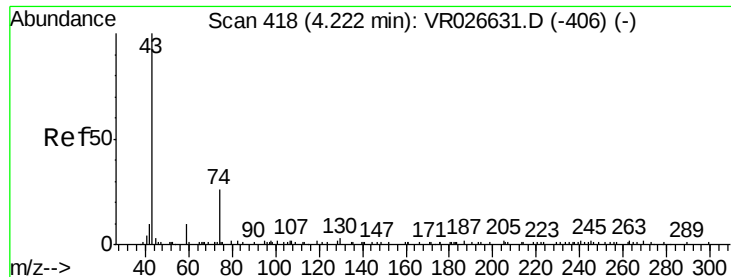
Tgt Ion: 43 Resp: 74022
Ion Ratio Lower Upper
43 100
58 20.4 0.0 41.8



#14
Carbon disulfide
Concen: 5.820 ug/L
RT: 3.97 min Scan# 376
Delta R.T. -0.01 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

Tgt Ion: 76 Resp: 390623
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0





#15

Methyl Acetate

Concen: 4.032 ug/L

RT: 4.22 min Scan# 417

Delta R.T. -0.01 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

Instrument :

MSVOA_R

ClientSampleId :

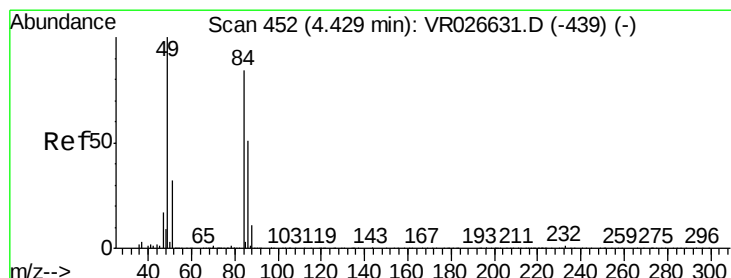
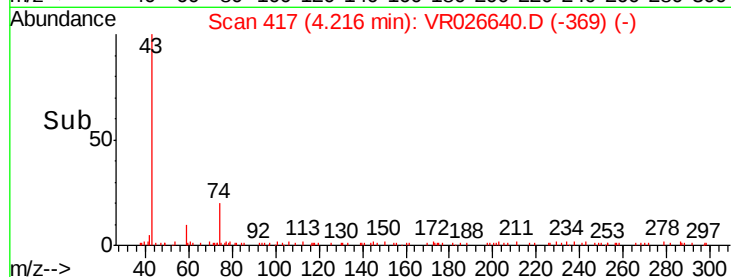
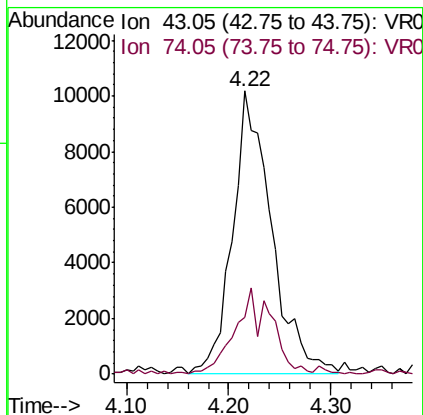
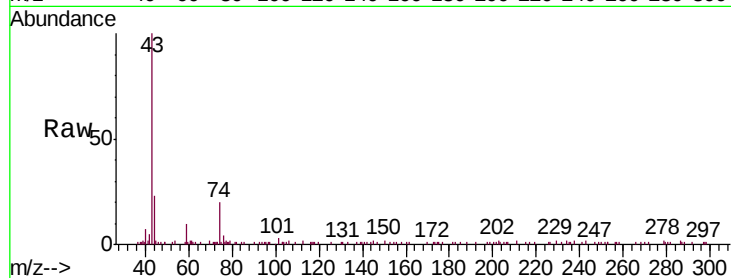
VSTD00571

Tgt Ion: 43 Resp: 26968

Ion Ratio Lower Upper

43 100

74 16.5 17.5 26.3#



#16

Methylene chloride

Concen: 3.210 ug/L

RT: 4.43 min Scan# 453

Delta R.T. 0.01 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

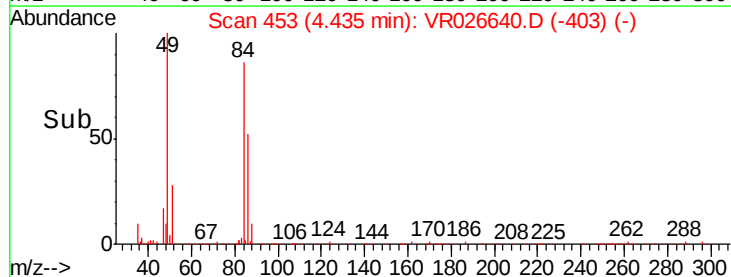
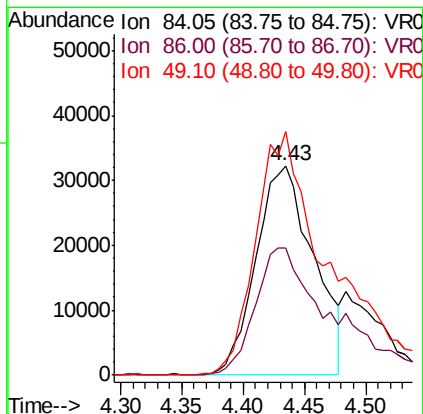
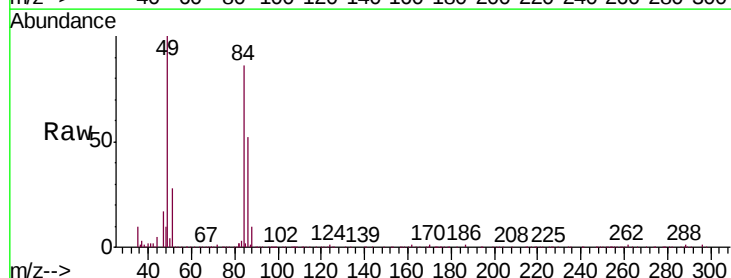
Tgt Ion: 84 Resp: 104692

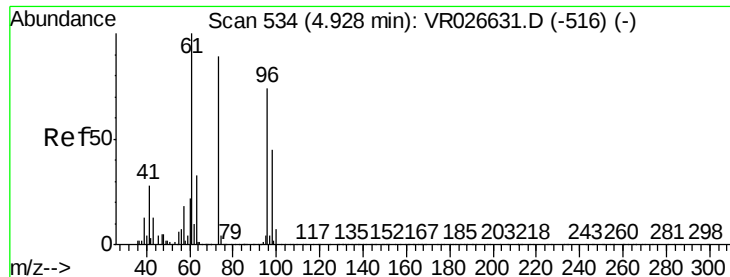
Ion Ratio Lower Upper

84 100

86 60.6 44.2 82.0

49 116.4 82.3 152.9

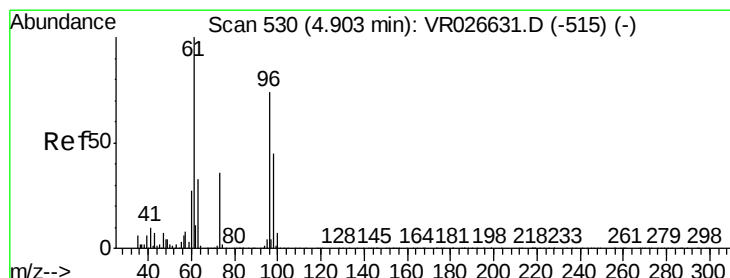
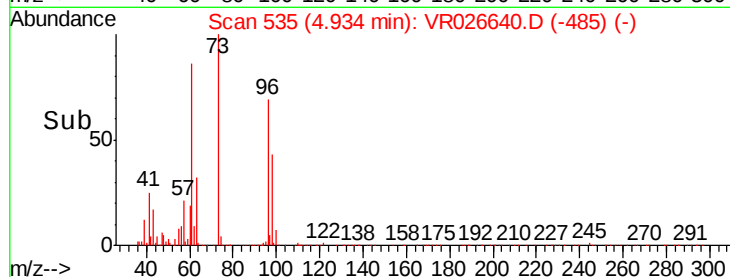
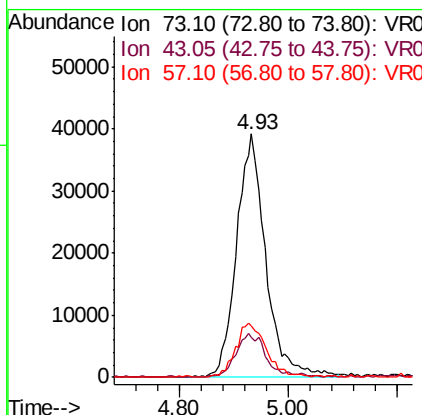
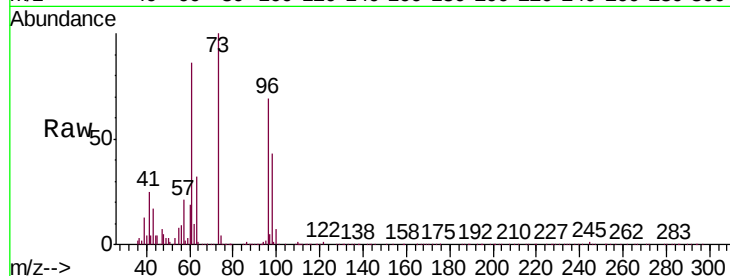




#17
Methyl tert-butyl Ether
Concen: 4.322 ug/L
RT: 4.93 min Scan# 535
Delta R.T. 0.01 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

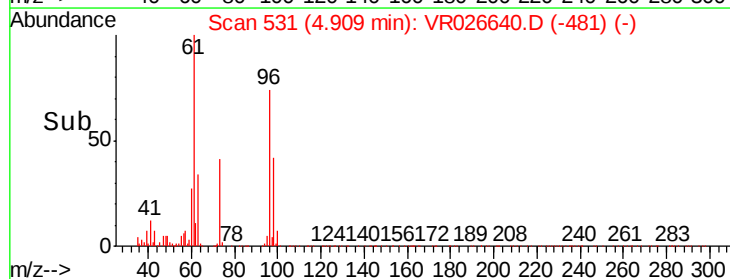
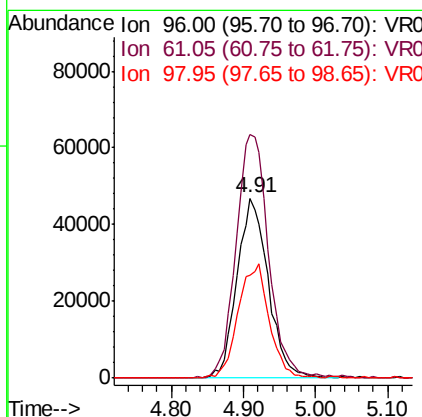
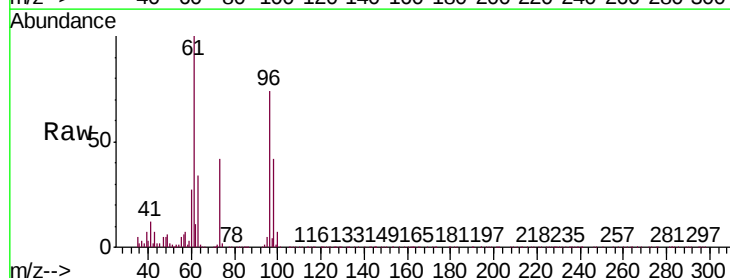
Instrument :
MSVOA_R
ClientSampleId :
VSTD00571

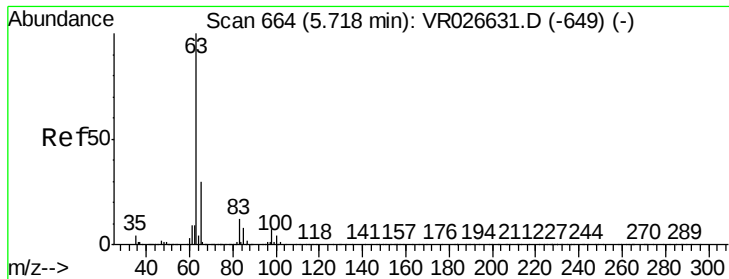
Tgt Ion: 73 Resp: 146460
Ion Ratio Lower Upper
73 100
43 18.4 14.7 22.1
57 23.0 18.9 28.3



#18
trans-1,2-Dichloroethene
Concen: 4.330 ug/L
RT: 4.91 min Scan# 531
Delta R.T. 0.01 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

Tgt Ion: 96 Resp: 141835
Ion Ratio Lower Upper
96 100
61 135.1 104.4 194.0
98 57.0 44.2 82.0

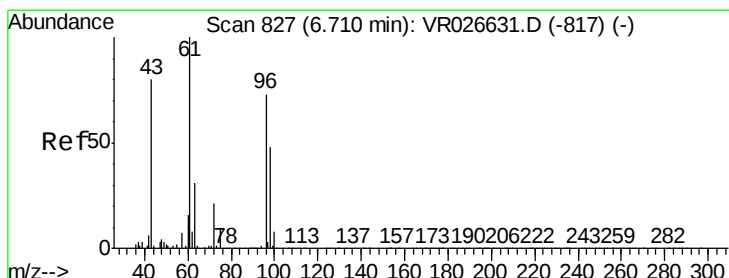
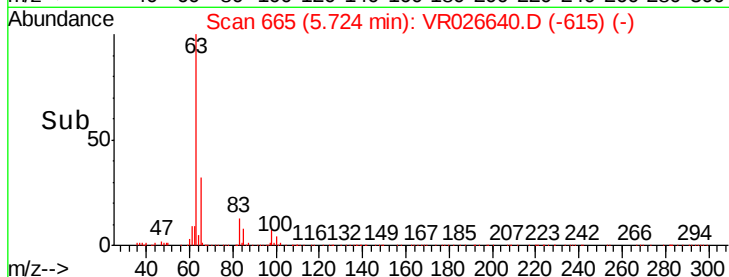
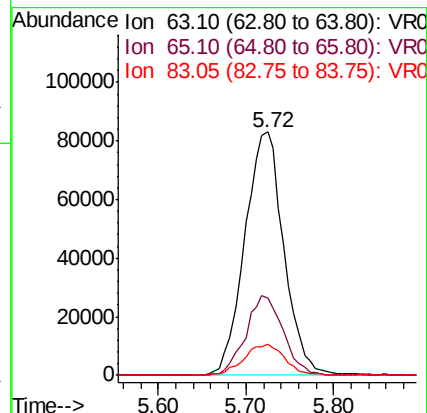
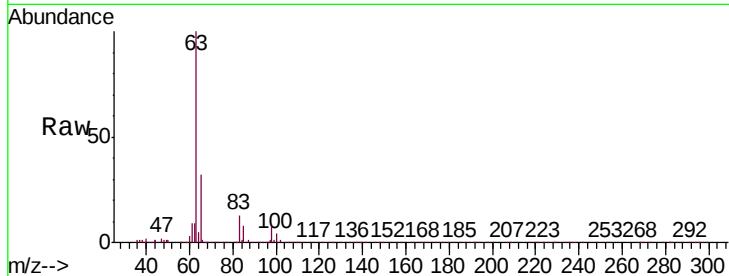




#19
 1,1-Dichloroethane
 Concen: 4.183 ug/L
 RT: 5.72 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

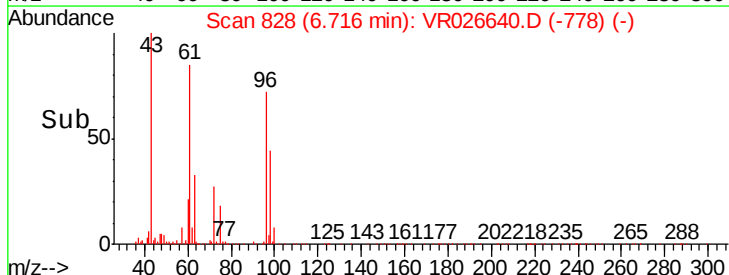
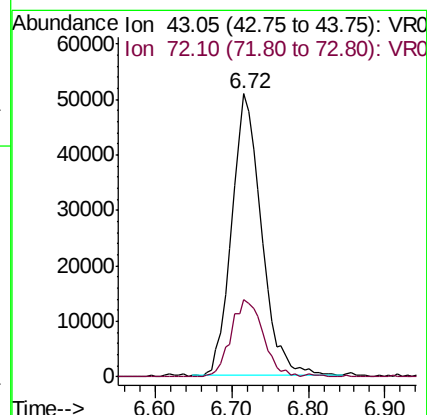
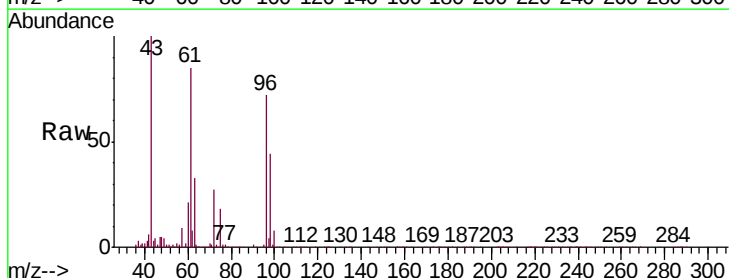
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00571

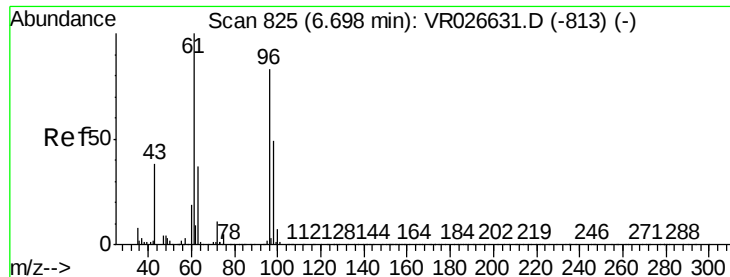
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.5	22.5	41.9
83	12.9	8.6	16.0



#21
 2-Butanone
 Concen: 46.868 ug/L
 RT: 6.72 min Scan# 828
 Delta R.T. 0.01 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.5	15.0	45.1



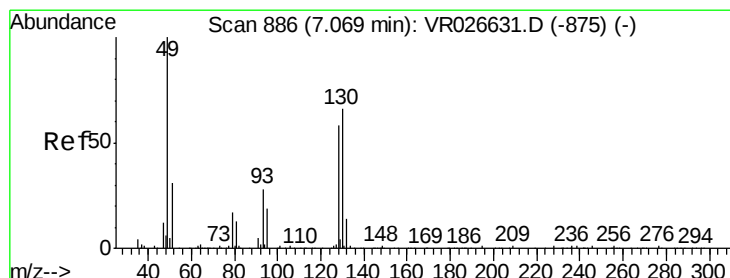
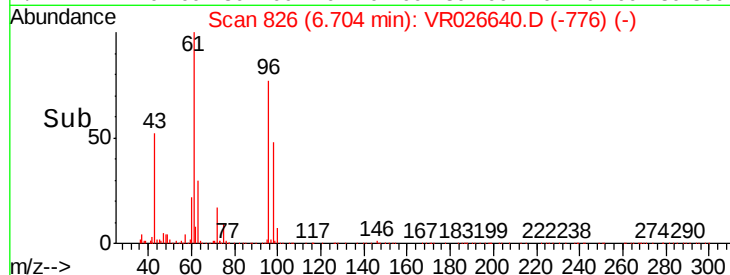
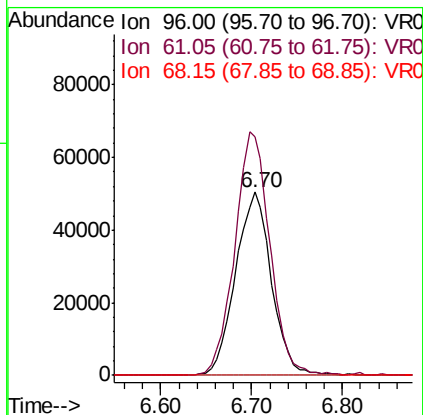
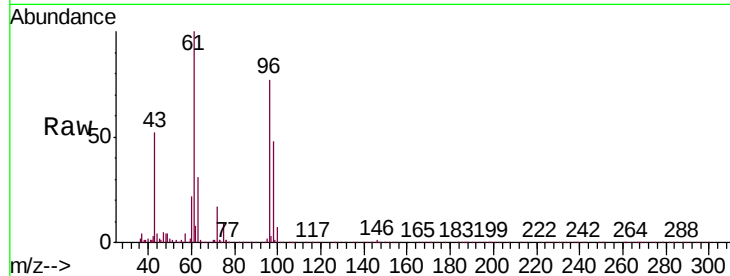


#22

cis-1,2-Dichloroethene
Concen: 4.390 ug/L
RT: 6.70 min Scan# 826
Delta R.T. 0.01 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

Instrument :
MSVOA_R
ClientSampleId :
VSTD00571

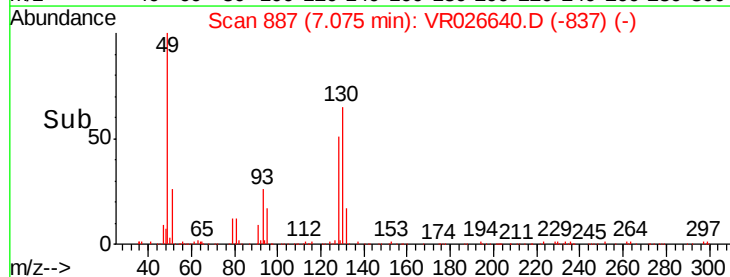
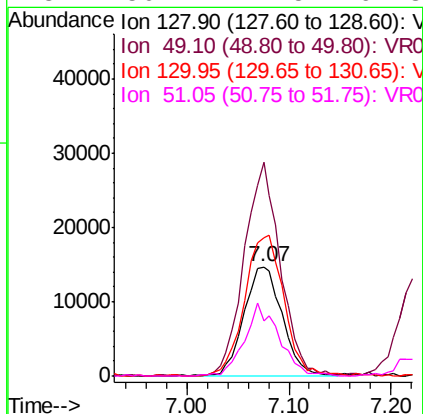
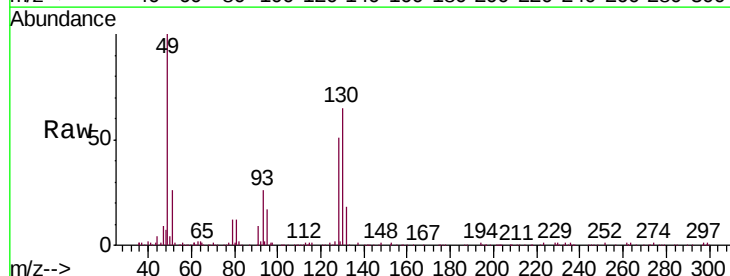
Tgt Ion: 96 Resp: 137824
Ion Ratio Lower Upper
96 100
61 130.0 95.4 177.2
68 0.2 0.0 0.0#

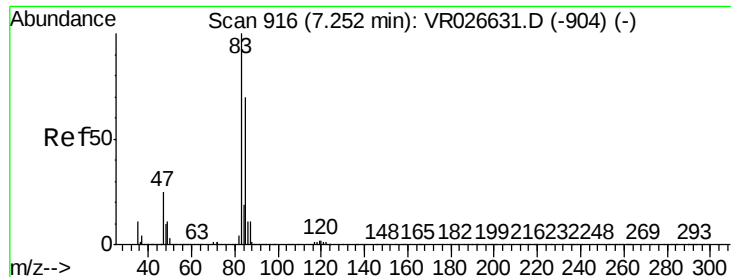


#23

Bromochloromethane
Concen: 4.410 ug/L
RT: 7.07 min Scan# 887
Delta R.T. 0.01 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

Tgt Ion: 128 Resp: 38506
Ion Ratio Lower Upper
128 100
49 195.6 118.6 220.3
130 126.4 80.6 149.6
51 50.7 41.5 62.3

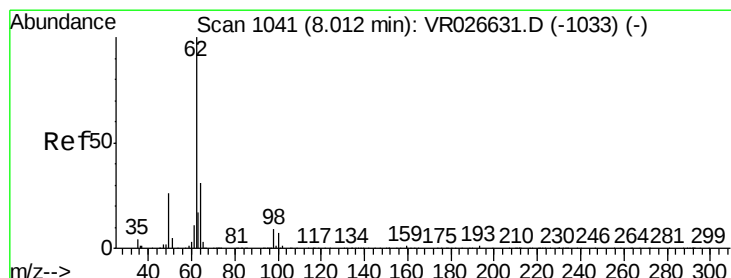
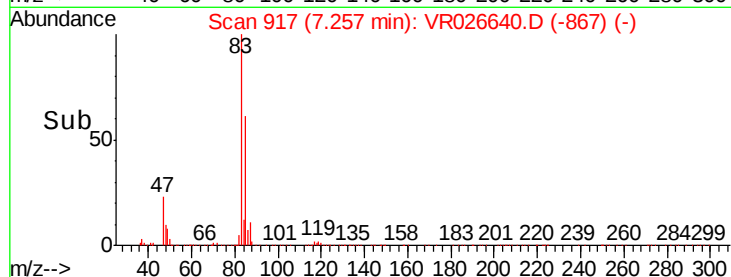
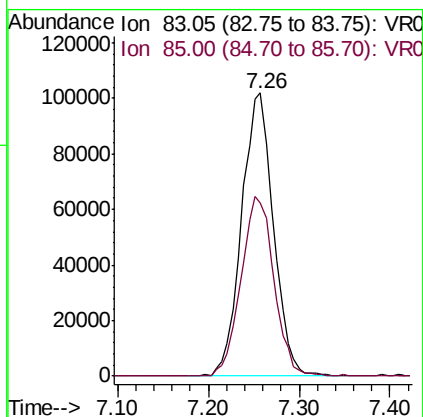
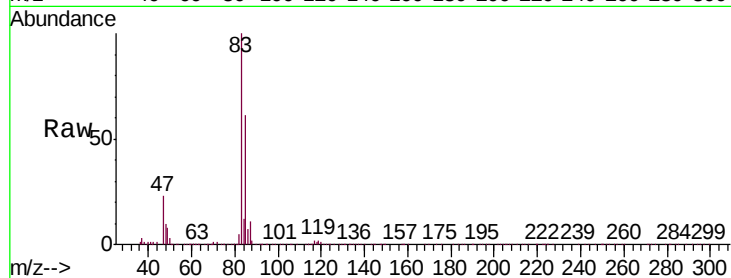




#25
Chloroform
Concen: 4.193 ug/L
RT: 7.26 min Scan# 917
Delta R.T. 0.01 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

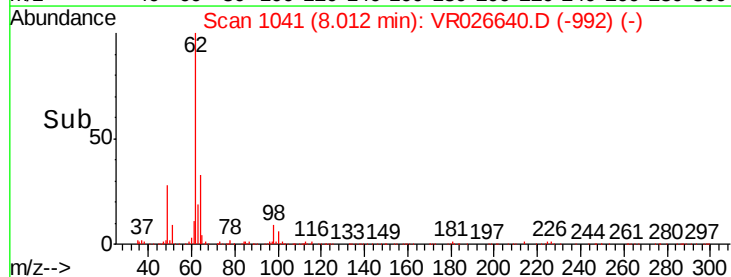
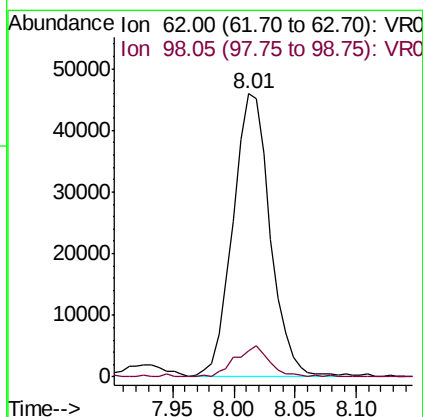
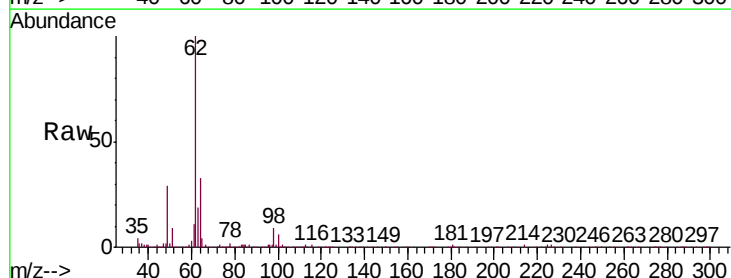
Instrument :
MSVOA_R
ClientSampleId :
VSTD00571

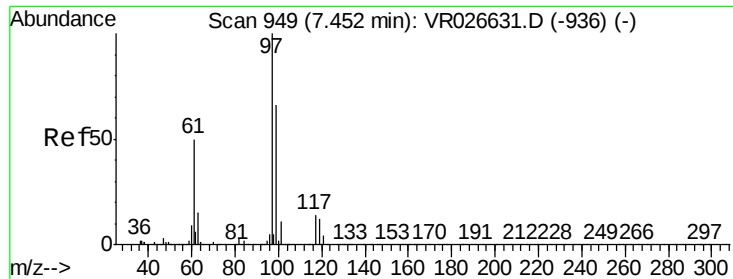
Tgt Ion: 83 Resp: 246902
Ion Ratio Lower Upper
83 100
85 61.4 44.3 82.3



#27
1,2-Dichloroethane
Concen: 4.621 ug/L
RT: 8.01 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

Tgt Ion: 62 Resp: 95699
Ion Ratio Lower Upper
62 100
98 9.4 9.0 13.4

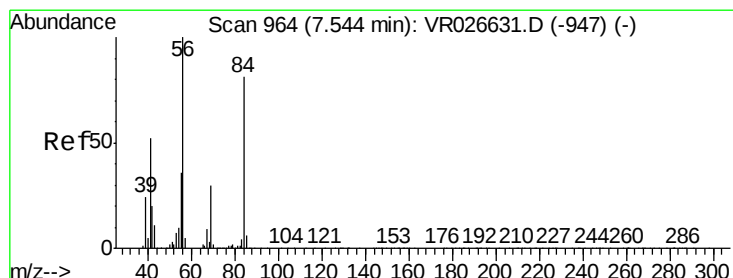
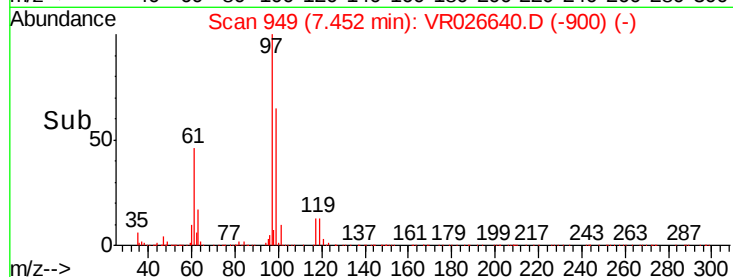
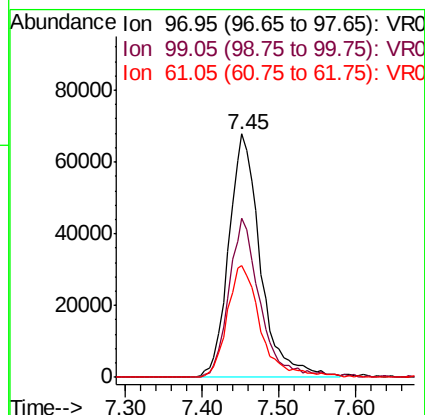
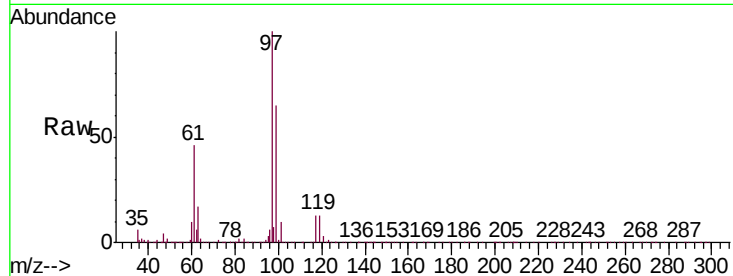




#29
 1,1,1-Trichloroethane
 Concen: 4.197 ug/L
 RT: 7.45 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

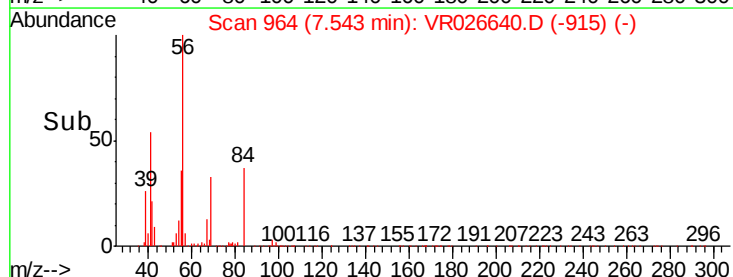
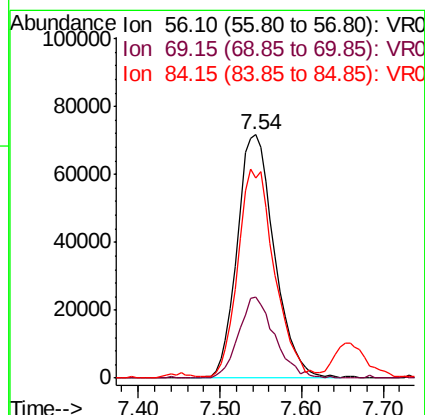
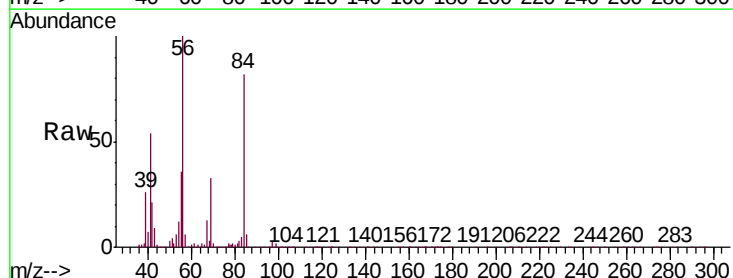
Instrument :
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 ClientSampleId :
 VSTD00571

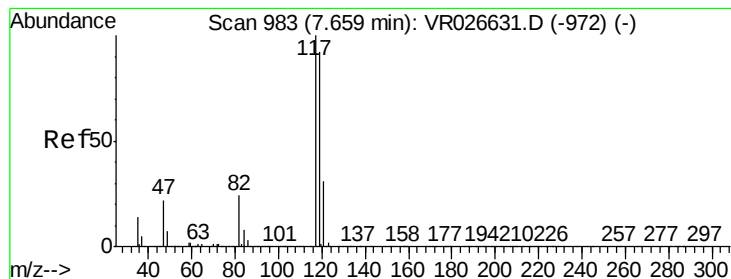
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.1	75.1
61	48.1	37.8	56.8



#30
 Cyclohexane
 Concen: 4.590 ug/L
 RT: 7.54 min Scan# 964
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.9	38.9
84	84.1	67.6	101.4





#31

Carbon tetrachloride

Concen: 4.486 ug/L

RT: 7.66 min Scan# 983

Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

Instrument :

MSVOA_R

ClientSampleId :

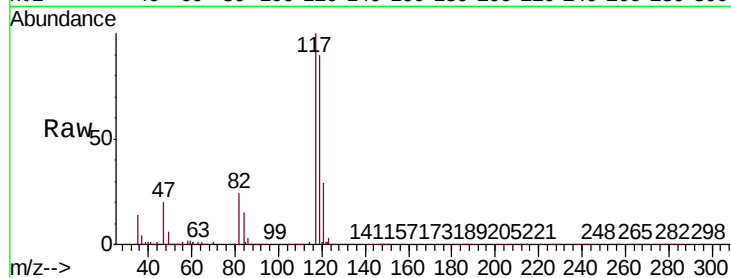
VSTD00571

Tgt Ion:117 Resp: 175497

Ion Ratio Lower Upper

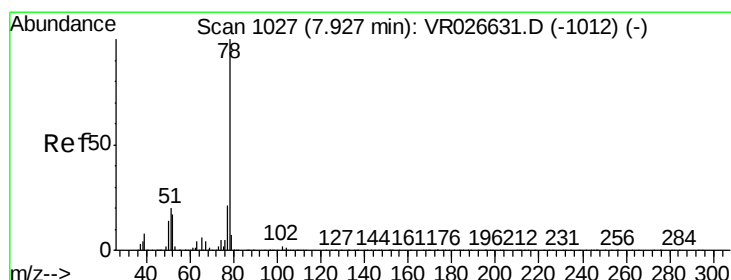
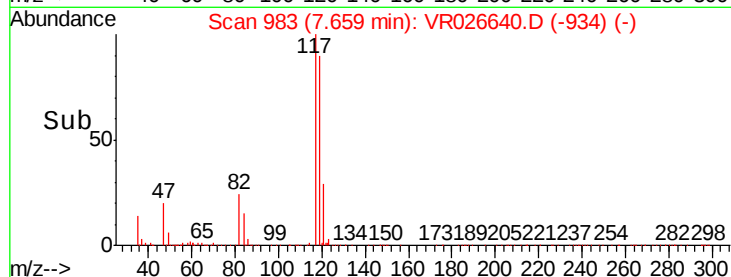
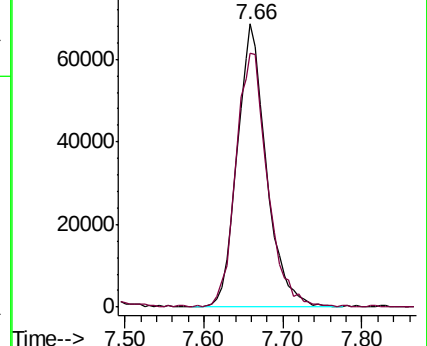
117 100

119 96.5 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: 4.414 ug/L

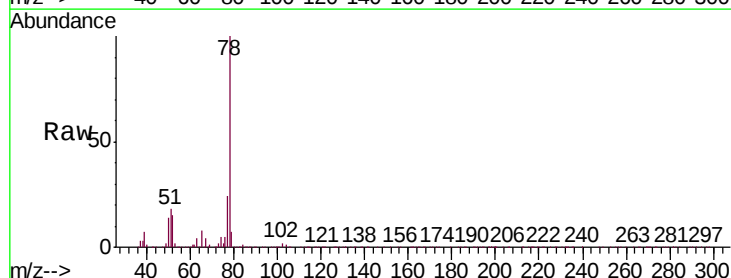
RT: 7.93 min Scan# 1027

Delta R.T. -0.00 min

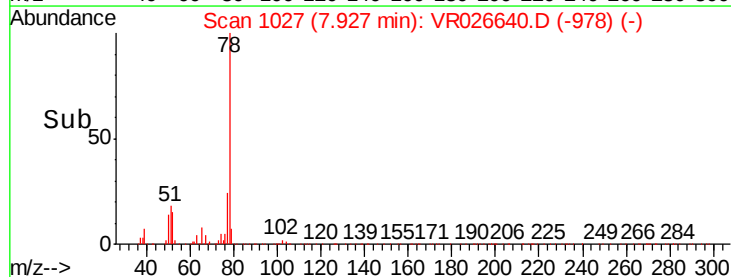
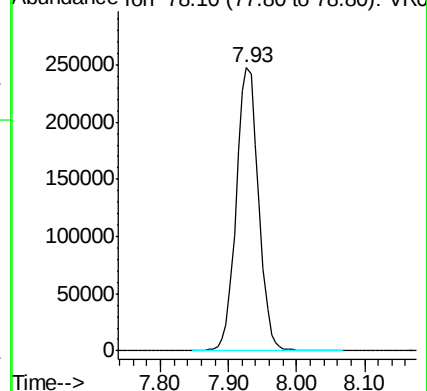
Lab File: VR026640.D

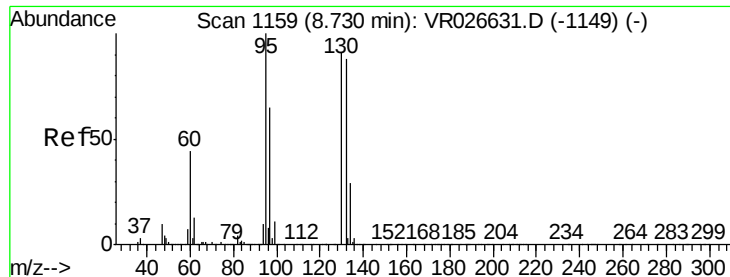
Acq: 17 Sep 2019 9:35

Tgt Ion: 78 Resp: 561994



Abundance Ion 78.10 (77.80 to 78.80): VR0

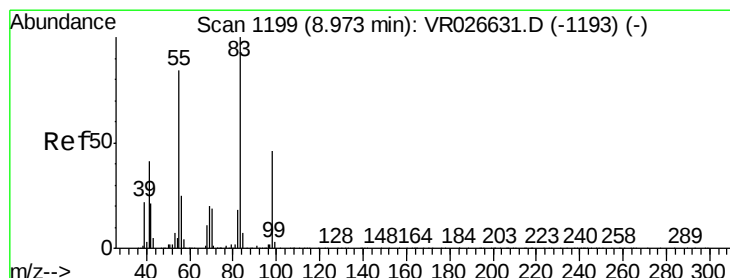
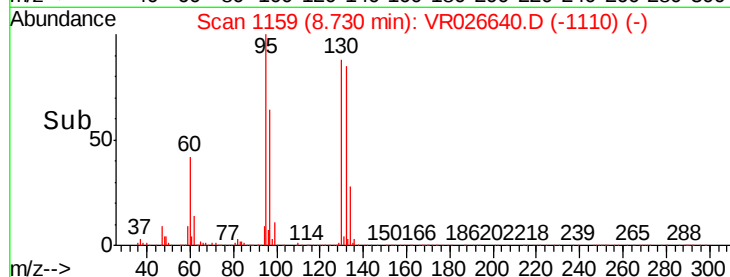
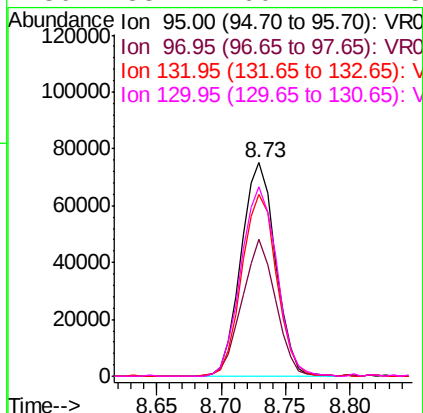
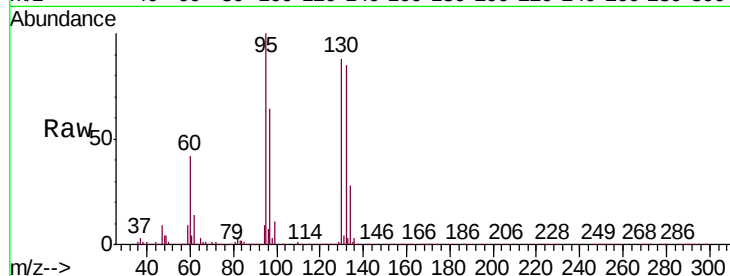




#34
 Trichloroethene
 Concen: 4.375 ug/L
 RT: 8.73 min Scan# 1159
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

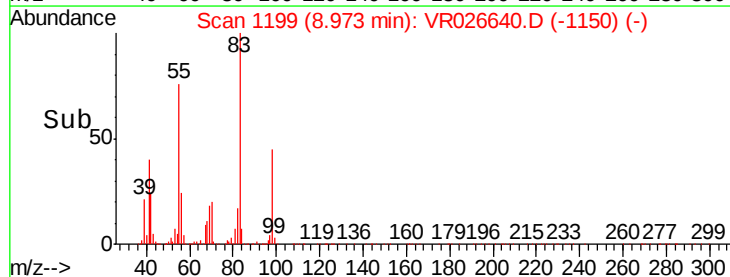
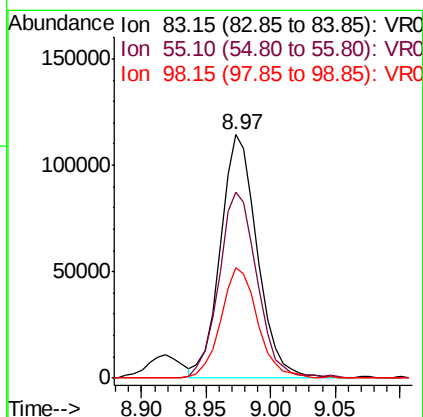
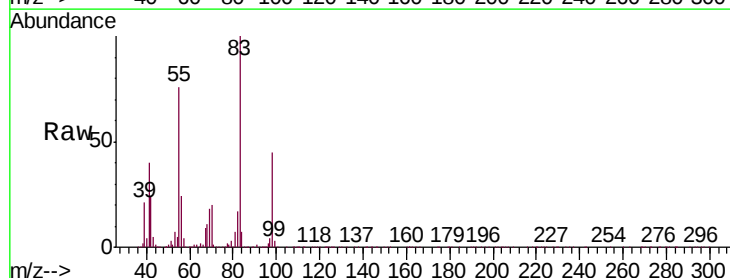
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00571

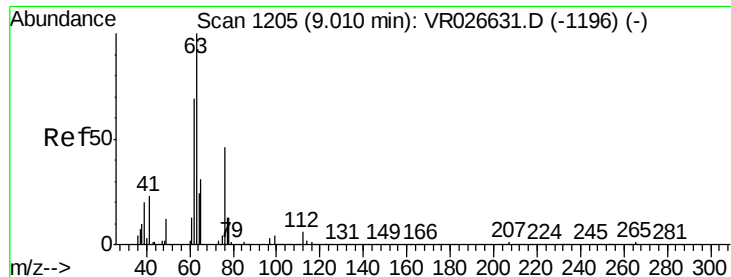
Tgt Ion:	95	Resp:	138762
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.6	84.6
132	85.3	57.3	106.5
130	88.4	60.1	111.5



#35
 Methylcyclohexane
 Concen: 4.763 ug/L
 RT: 8.97 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

Tgt Ion:	83	Resp:	227474
Ion	Ratio	Lower	Upper
83	100		
55	79.0	63.5	95.3
98	45.0	35.4	53.0

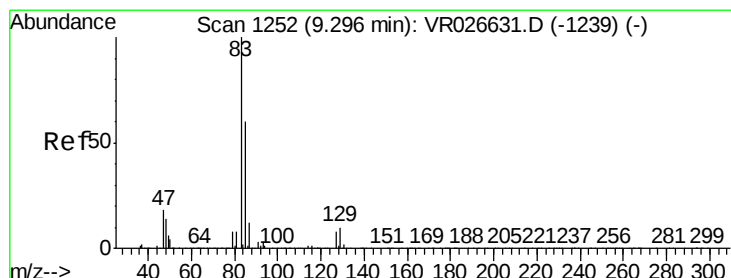
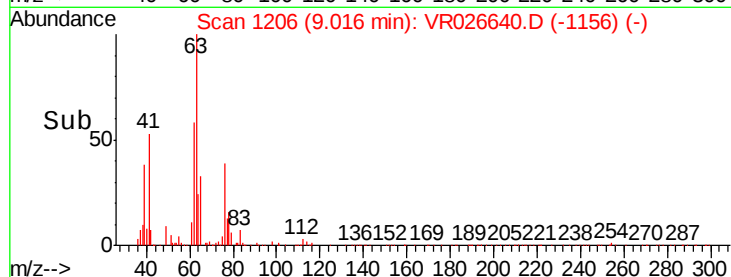
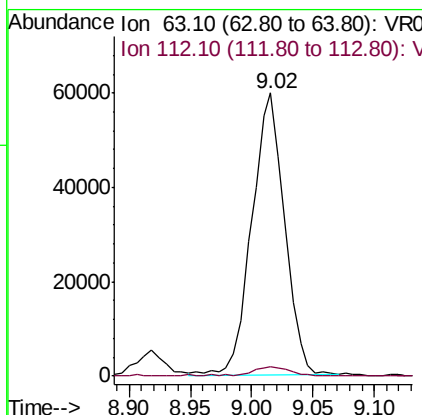
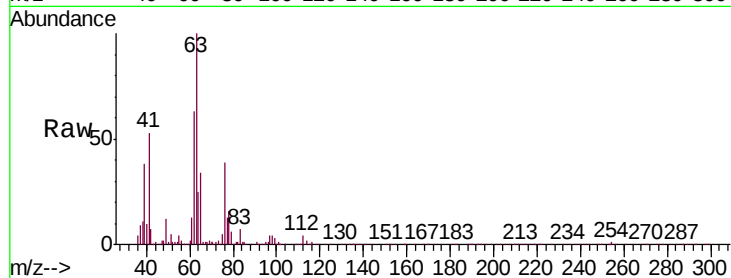




#37
 1,2-Dichloropropane
 Concen: 4.339 ug/L
 RT: 9.02 min Scan# 1206
 Delta R.T. 0.01 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

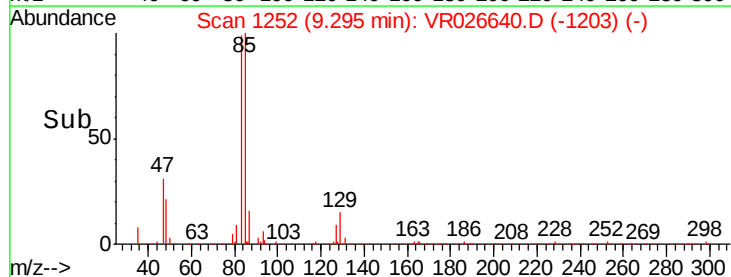
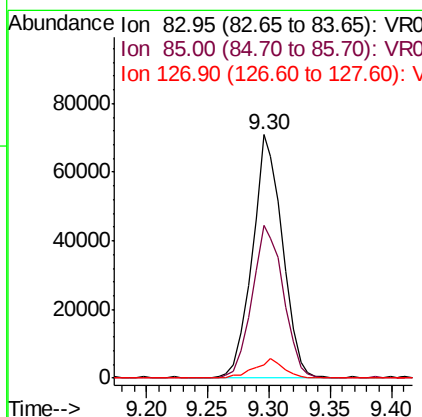
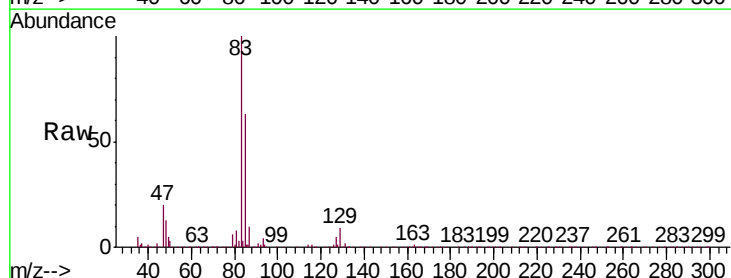
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00571

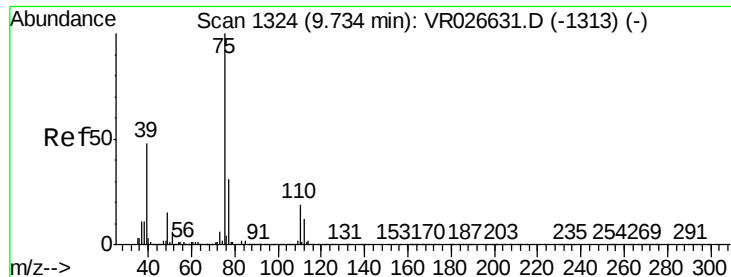
Tgt Ion: 63 Resp: 111563
 Ion Ratio Lower Upper
 63 100
 112 3.7 3.1 4.7



#38
 Bromodichloromethane
 Concen: 4.397 ug/L
 RT: 9.30 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

Tgt Ion: 83 Resp: 120366
 Ion Ratio Lower Upper
 83 100
 85 62.6 44.0 81.8
 127 5.3 6.4 9.6#





#39

cis-1,3-Dichloropropene

Concen: 4.461 ug/L

RT: 9.74 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

Instrument :

MSVOA_R

ClientSampleId :

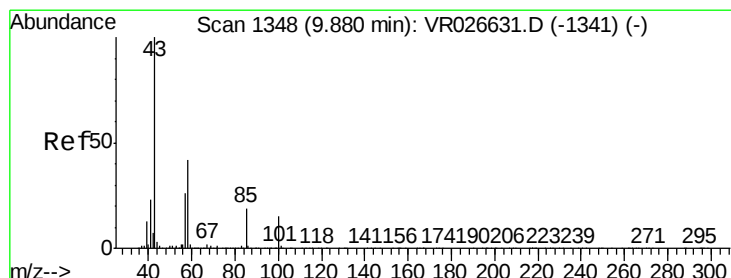
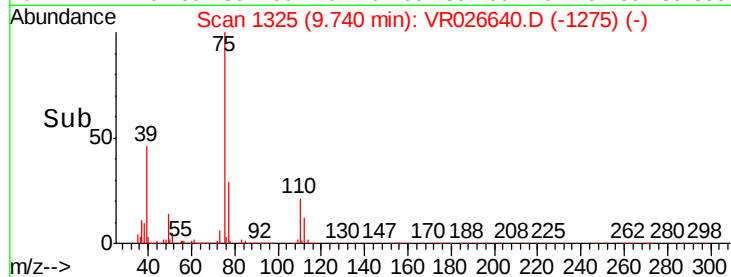
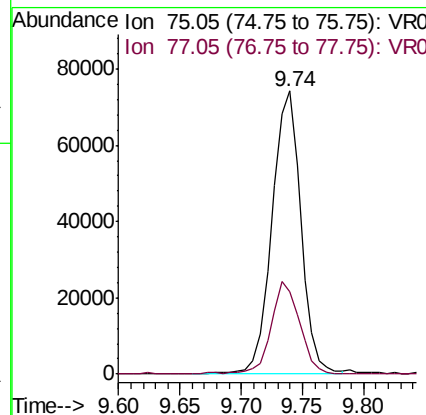
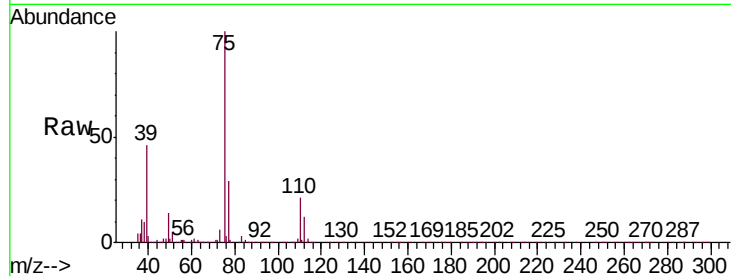
VSTD00571

Tgt Ion: 75 Resp: 121575

Ion Ratio Lower Upper

75 100

77 29.1 21.8 40.6



#40

4-Methyl-2-pentanone

Concen: 47.668 ug/L

RT: 9.88 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

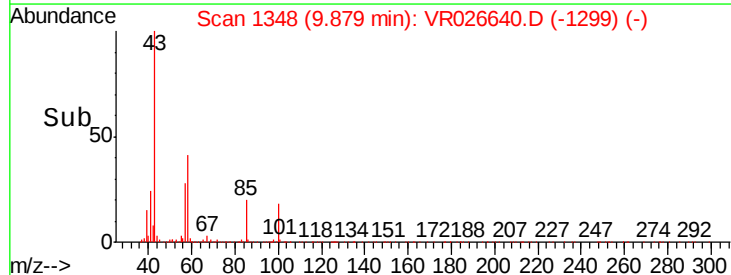
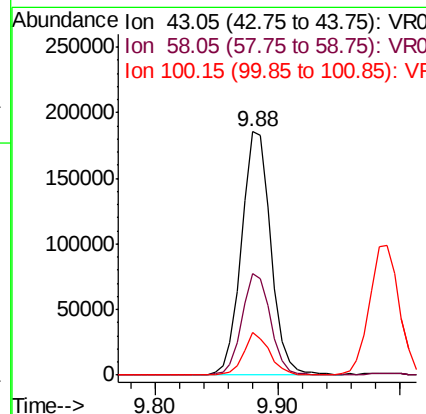
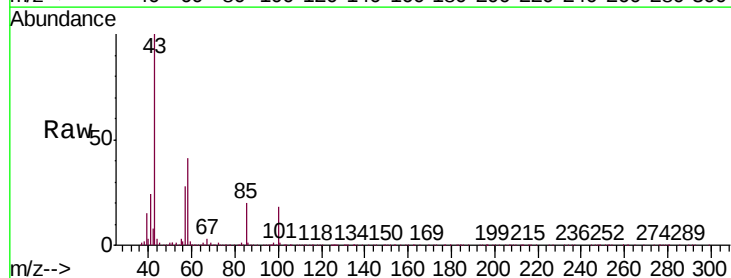
Tgt Ion: 43 Resp: 306981

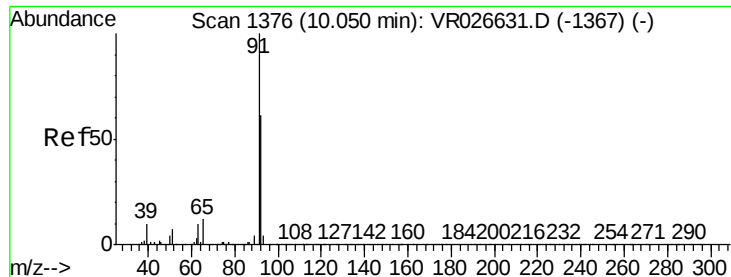
Ion Ratio Lower Upper

43 100

58 40.5 32.6 48.8

100 15.5 11.7 17.5





#42

Toluene

Concen: 4.849 ug/L

RT: 10.05 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

Instrument :

MSVOA_R

ClientSampleId :

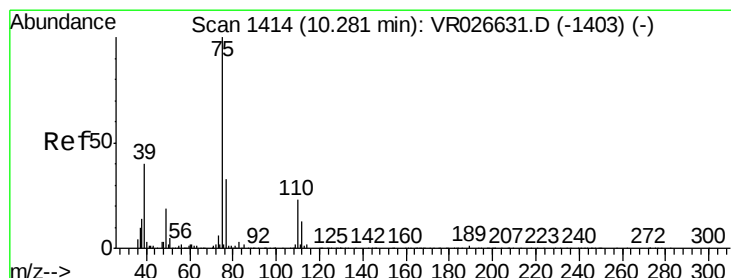
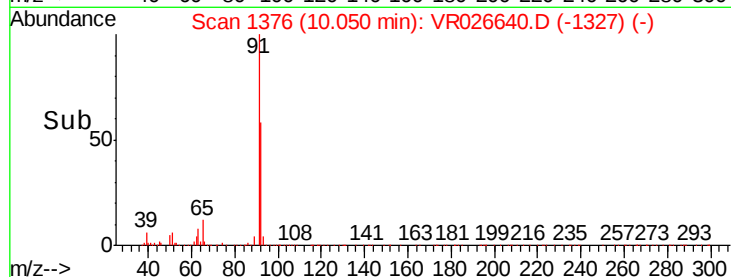
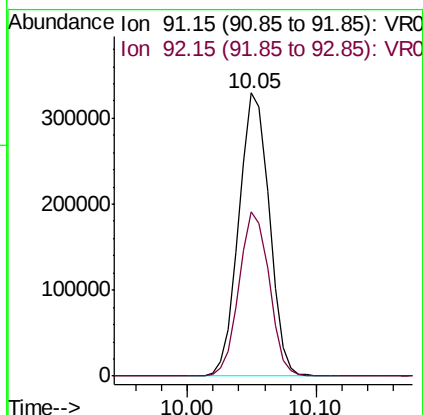
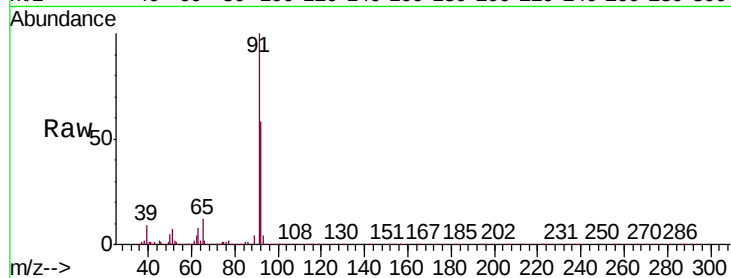
VSTD00571

Tgt Ion: 91 Resp: 539200

Ion Ratio Lower Upper

91 100

92 58.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 4.627 ug/L

RT: 10.28 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VR026640.D

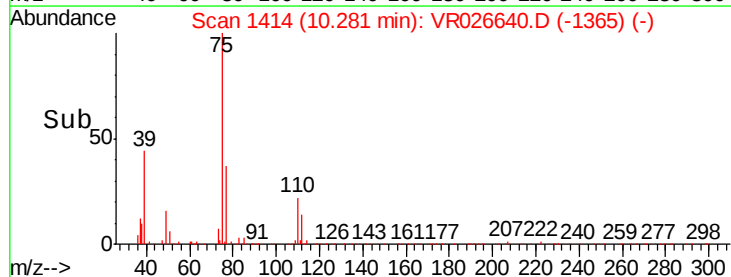
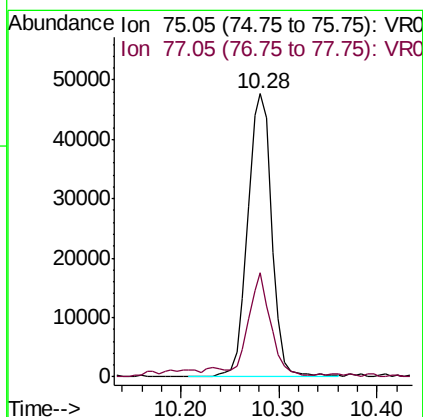
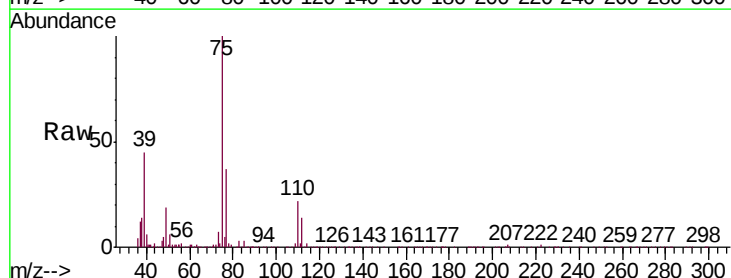
Acq: 17 Sep 2019 9:35

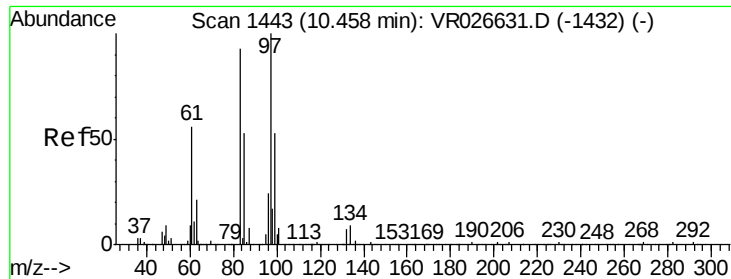
Tgt Ion: 75 Resp: 81064

Ion Ratio Lower Upper

75 100

77 36.8 23.1 42.9

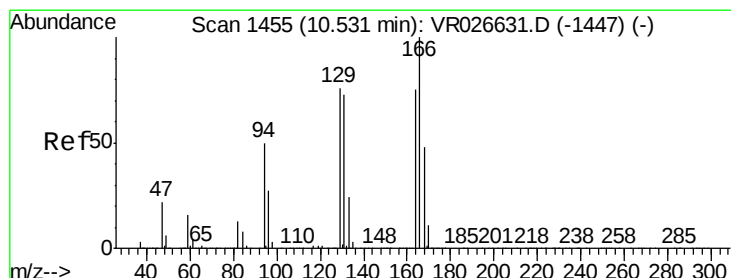
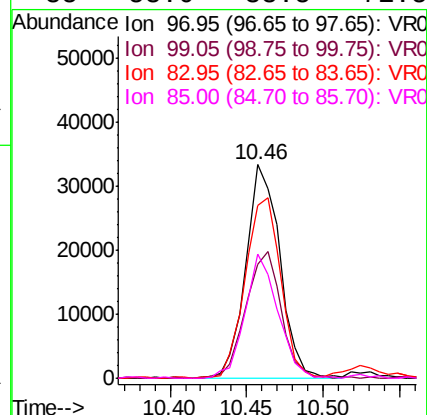
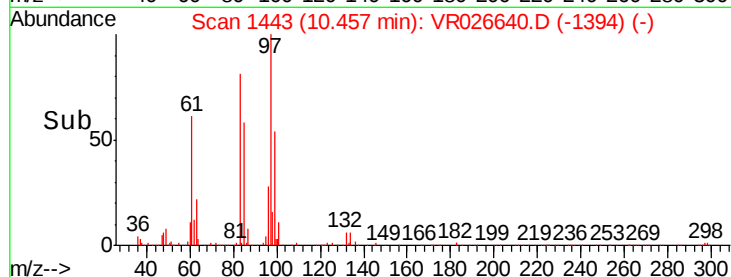
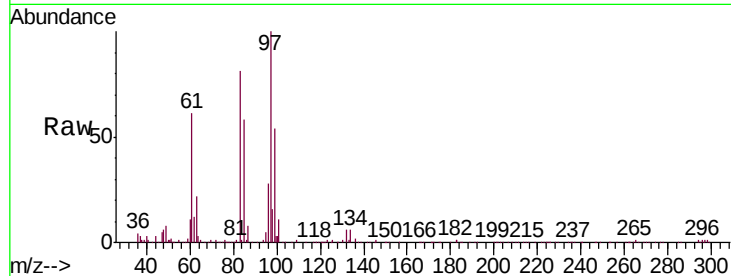




#45
 1,1,2-Trichloroethane
 Concen: 4.721 ug/L
 RT: 10.46 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

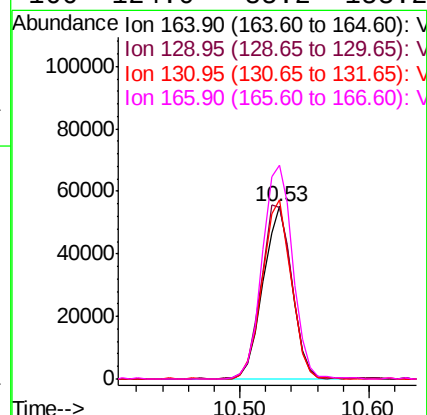
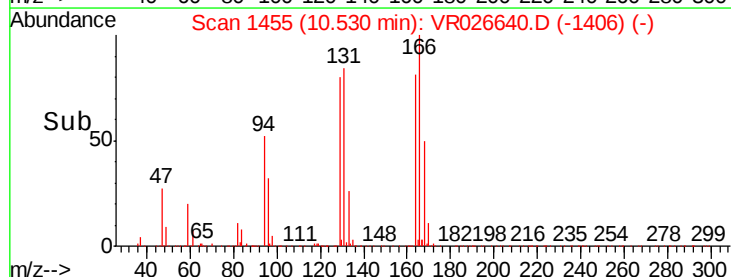
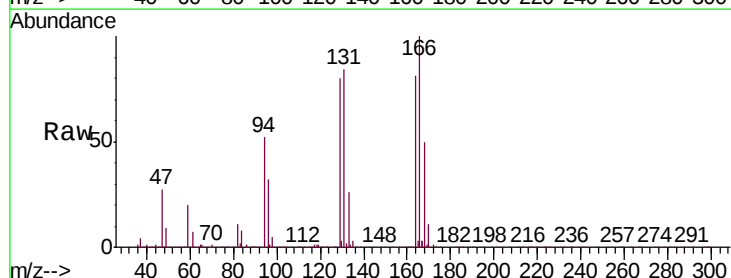
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00571

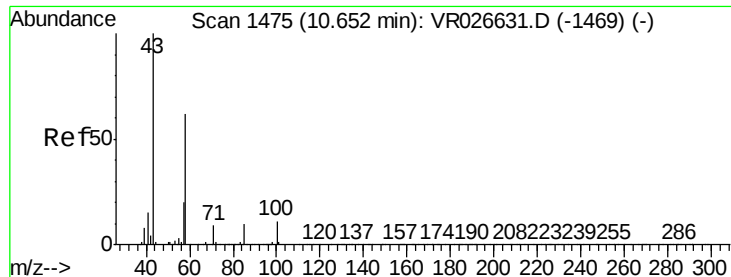
Tgt Ion:	97	Resp:	51723
Ion	Ratio	Lower	Upper
97	100		
99	53.5	45.6	84.6
83	81.1	64.5	119.9
85	58.0	38.5	71.5



#47
 Tetrachloroethene
 Concen: 4.555 ug/L
 RT: 10.53 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

Tgt Ion:	164	Resp:	85295
Ion	Ratio	Lower	Upper
164	100		
129	99.3	74.8	139.0
131	103.9	69.1	128.3
166	124.0	85.2	158.2

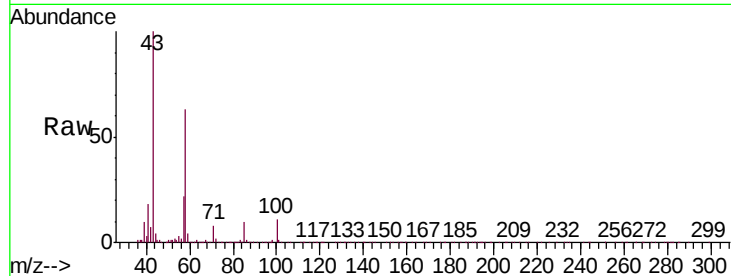




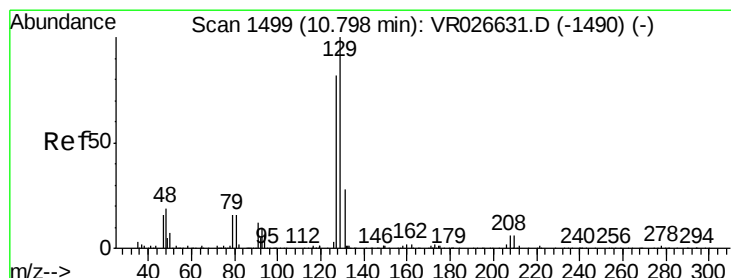
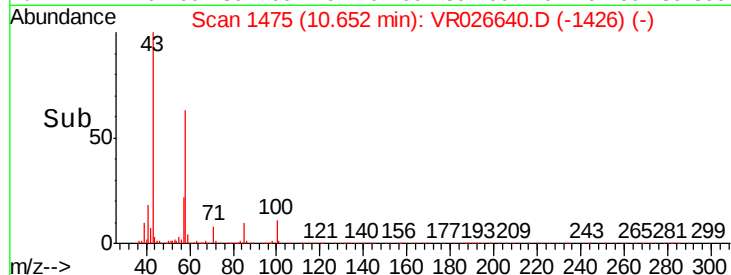
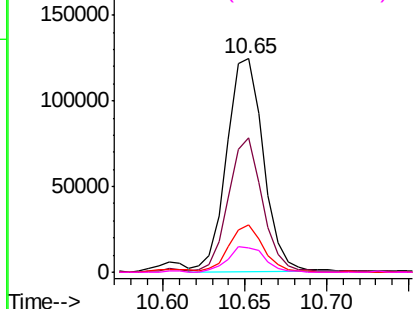
#48
2-Hexanone
Concen: 47.588 ug/L
RT: 10.65 min Scan# 1475
Delta R.T. -0.00 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

Instrument :
MSVOA_R
ClientSampleId :
VSTD00571

Tgt Ion:	43	Resp:	194789
Ion	Ratio	Lower	Upper
43	100		
58	58.6	46.4	69.6
57	20.6	16.7	25.1
100	12.2	8.6	13.0

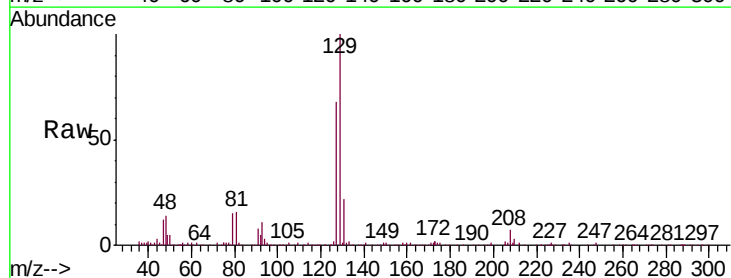


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

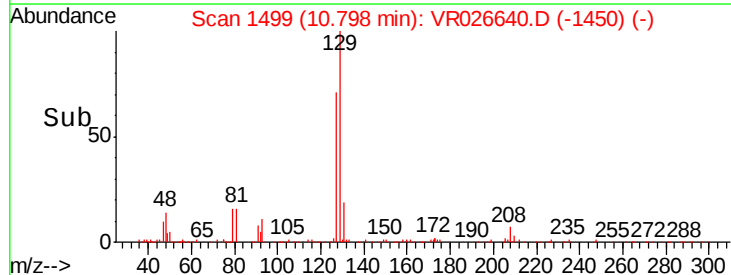
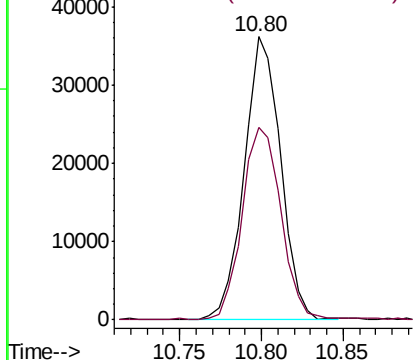


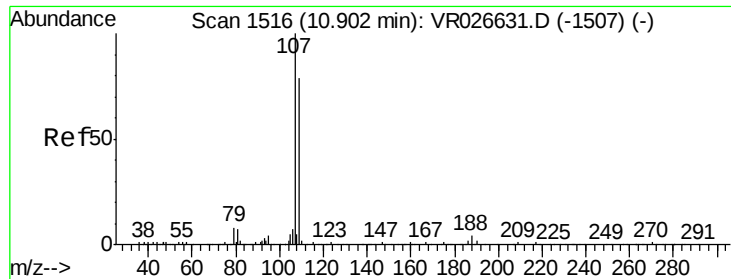
#49
Dibromochloromethane
Concen: 4.717 ug/L
RT: 10.80 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

Tgt Ion:	129	Resp:	56352
Ion	Ratio	Lower	Upper
129	100		
127	68.1	57.0	105.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

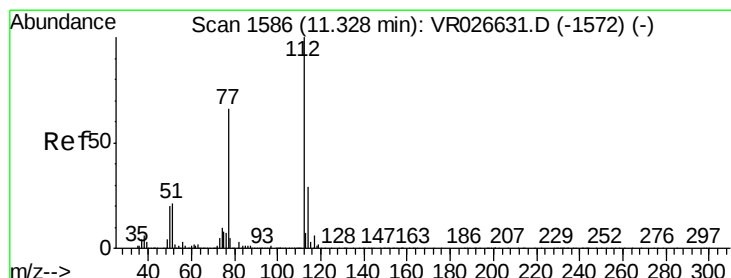
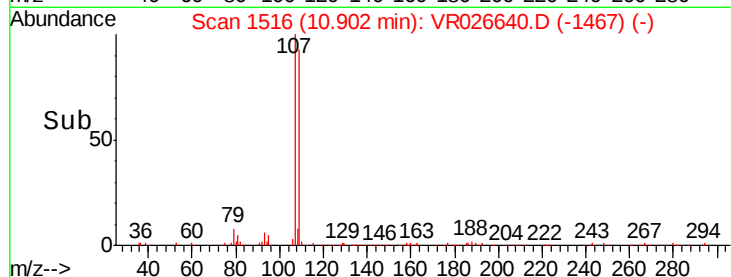
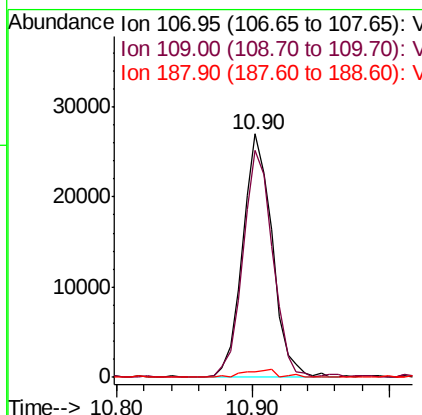
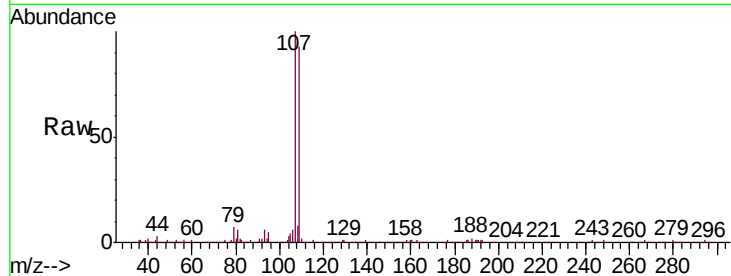




#50
1,2-Dibromoethane
Concen: 4.318 ug/L
RT: 10.90 min Scan# 1516
Delta R.T. -0.00 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

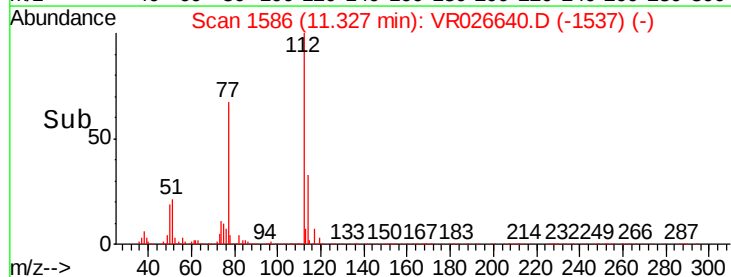
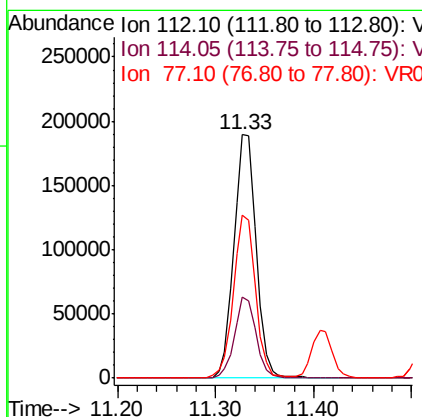
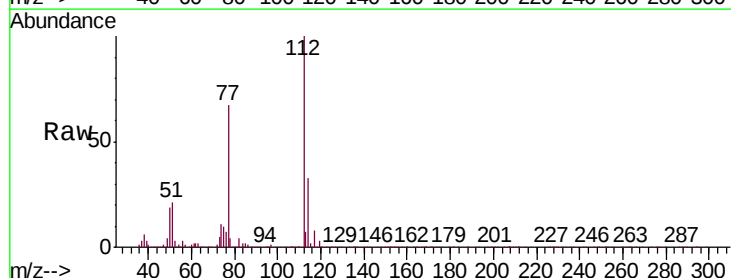
Instrument :
MSVOA_R
ClientSampleId :
VSTD00571

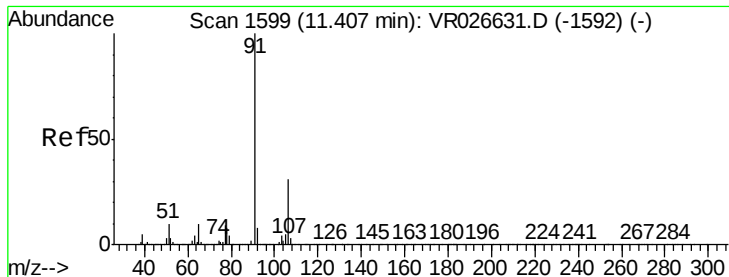
Tgt Ion:107 Resp: 41039
Ion Ratio Lower Upper
107 100
109 93.2 67.2 124.8
188 2.2 1.8 2.8



#51
Chlorobenzene
Concen: 4.624 ug/L
RT: 11.33 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

Tgt Ion:112 Resp: 298814
Ion Ratio Lower Upper
112 100
114 33.3 22.7 42.1
77 66.9 54.0 81.0





#52

Ethylbenzene

Concen: 4.811 ug/L

RT: 11.41 min Scan# 1599

Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

Instrument :

MSVOA_R

ClientSampleId :

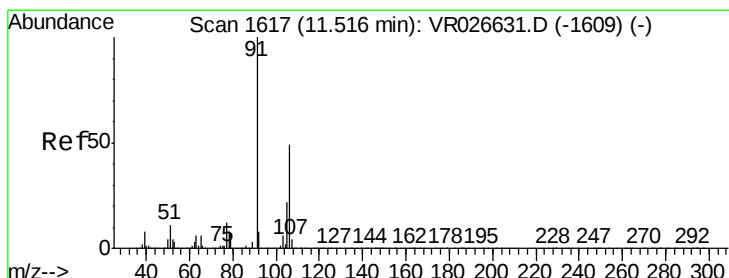
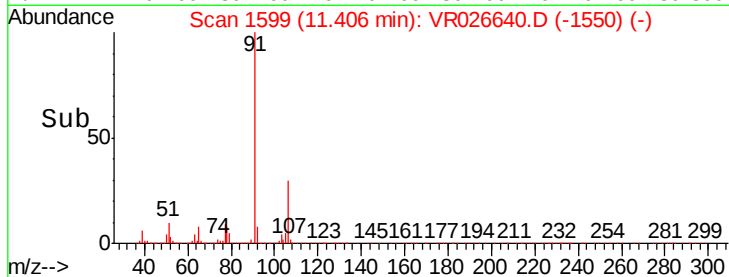
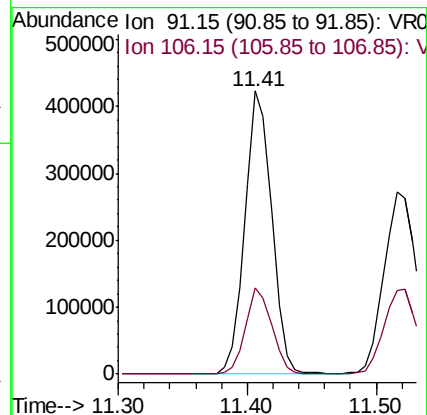
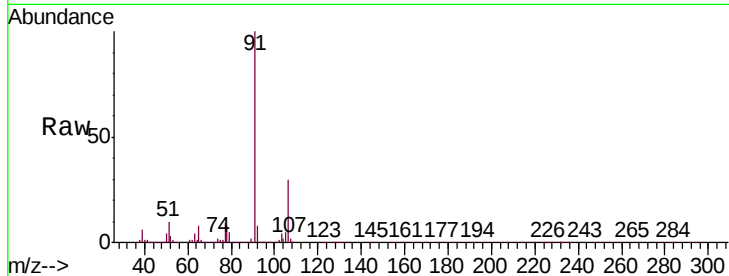
VSTD00571

Tgt Ion: 91 Resp: 606894

Ion Ratio Lower Upper

91 100

106 30.3 21.0 39.0



#53

m,p-Xylene

Concen: 4.931 ug/L

RT: 11.52 min Scan# 1618

Delta R.T. 0.01 min

Lab File: VR026640.D

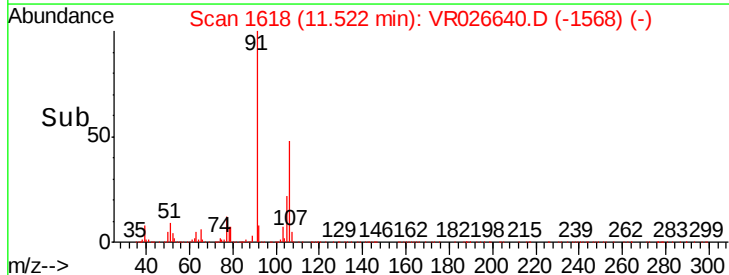
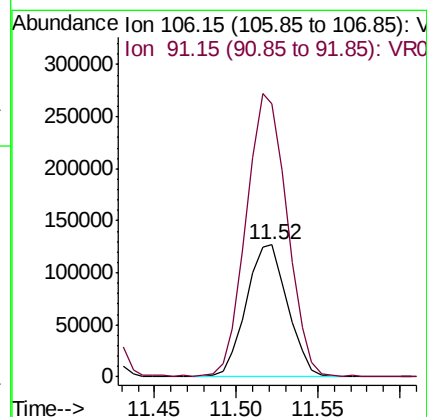
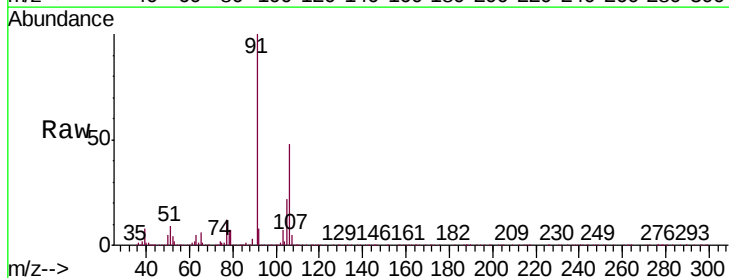
Acq: 17 Sep 2019 9:35

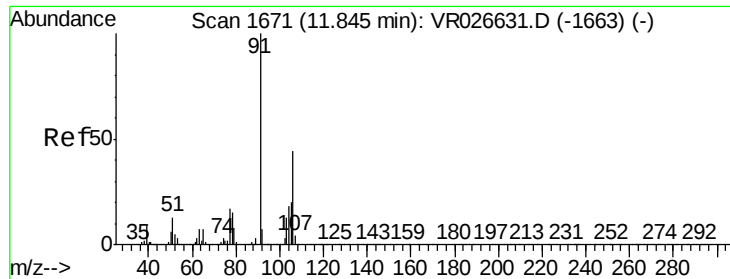
Tgt Ion: 106 Resp: 222442

Ion Ratio Lower Upper

106 100

91 207.2 146.5 272.1

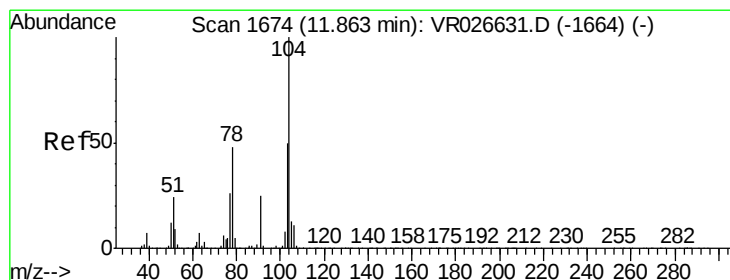
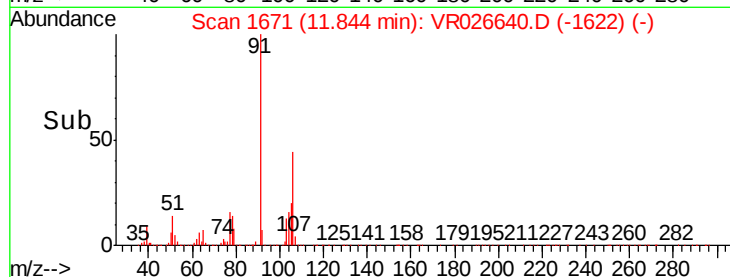
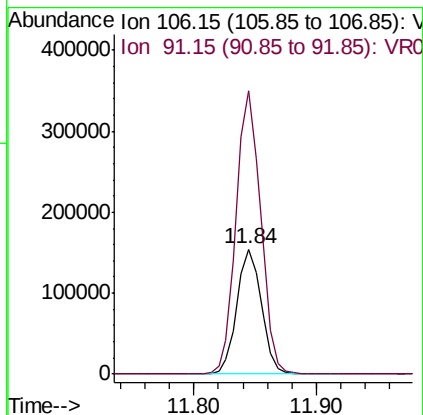
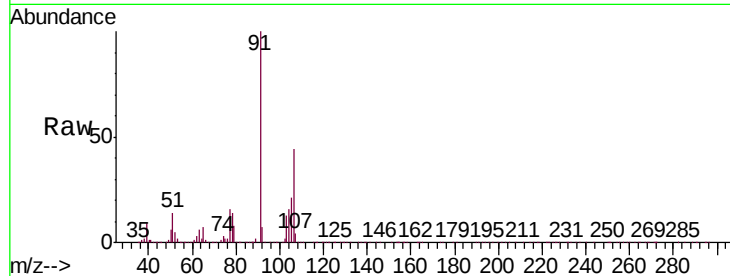




#54
o-Xylene
Concen: 4.801 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

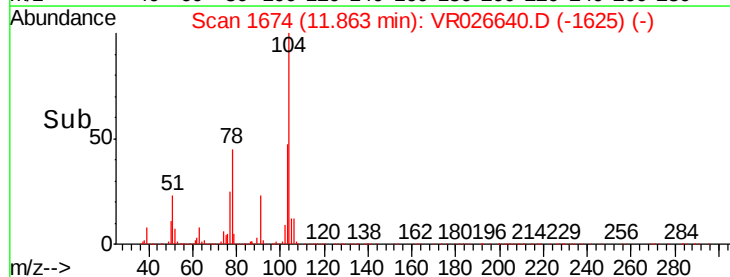
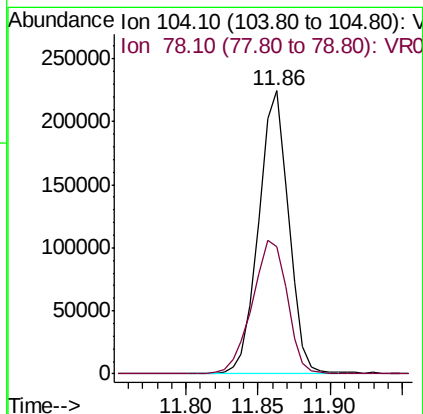
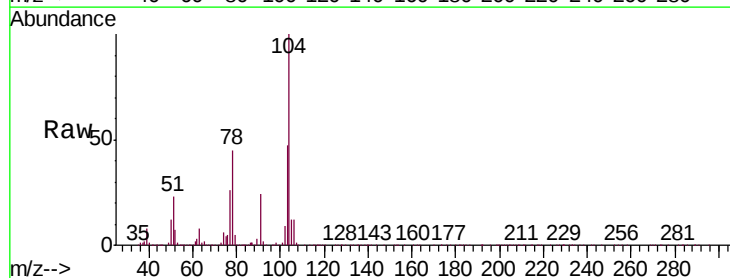
Instrument :
MSVOA_R
ClientSampleId :
VSTD00571

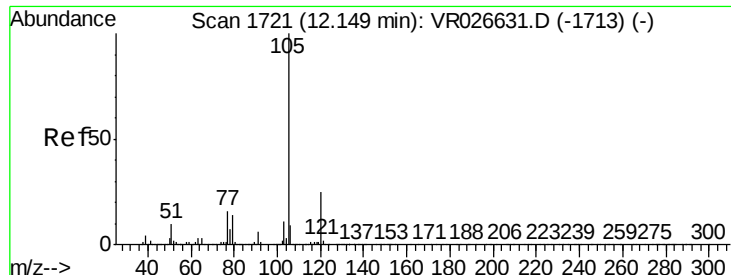
Tgt Ion:106 Resp: 213740
Ion Ratio Lower Upper
106 100
91 226.6 154.3 286.5



#55
Styrene
Concen: 5.032 ug/L
RT: 11.86 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VR026640.D
Acq: 17 Sep 2019 9:35

Tgt Ion:104 Resp: 321200
Ion Ratio Lower Upper
104 100
78 44.8 32.5 60.3





#56

Isopropylbenzene

Concen: 5.063 ug/L

RT: 12.15 min Scan# 1721

Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

Instrument :

MSVOA_R

ClientSampleId :

VSTD00571

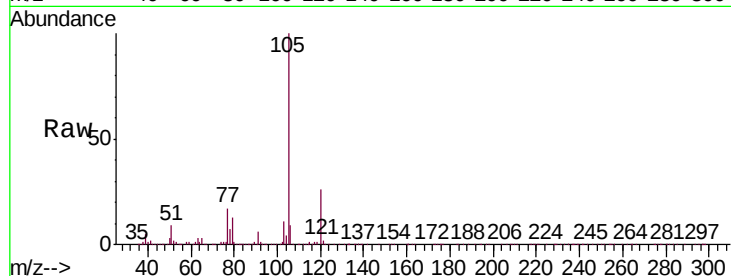
Tgt Ion: 105 Resp: 636860

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

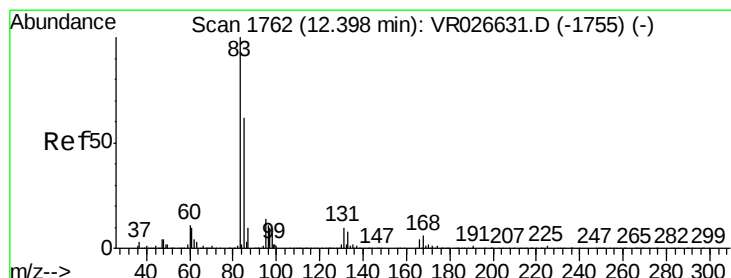
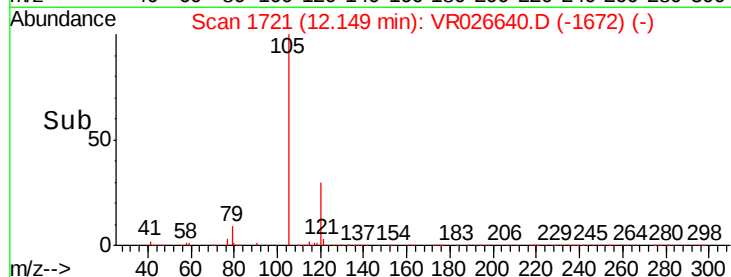
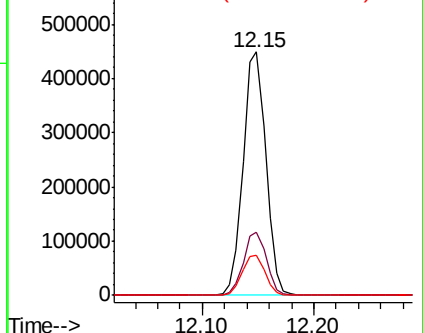
77 16.8 13.3 19.9



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: 4.669 ug/L

RT: 12.40 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

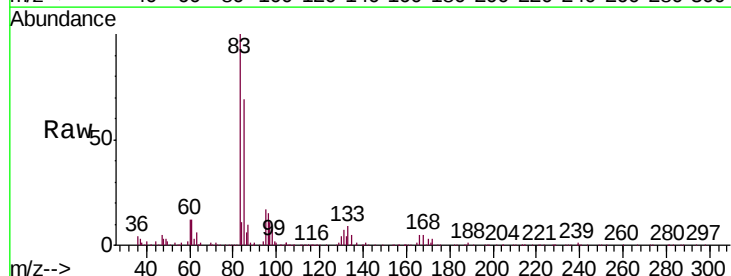
Tgt Ion: 83 Resp: 59267

Ion Ratio Lower Upper

83 100

85 68.9 46.1 85.7

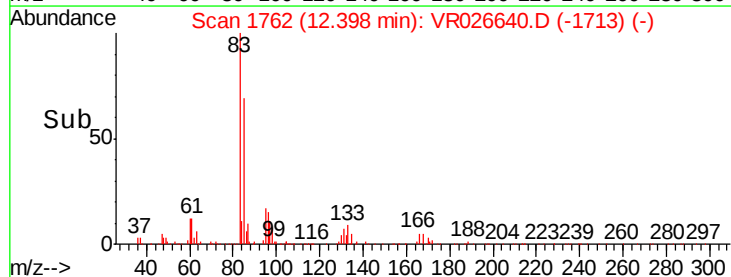
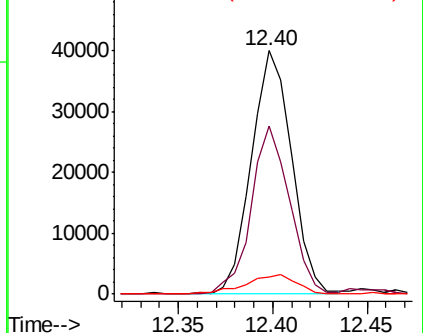
131 6.8 6.8 10.2

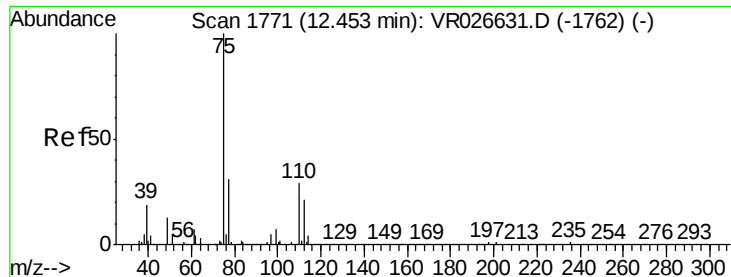


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V

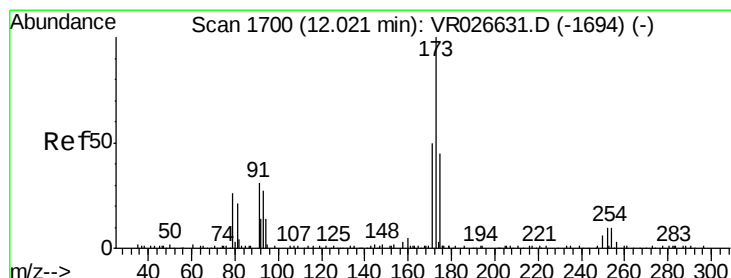
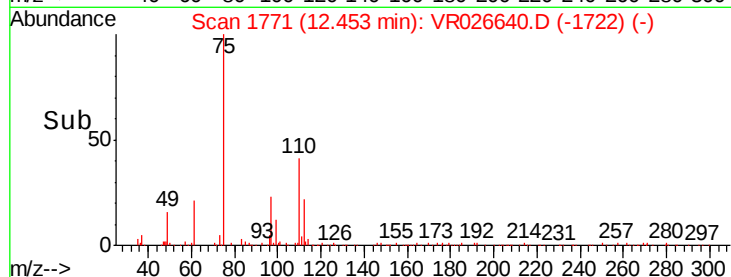
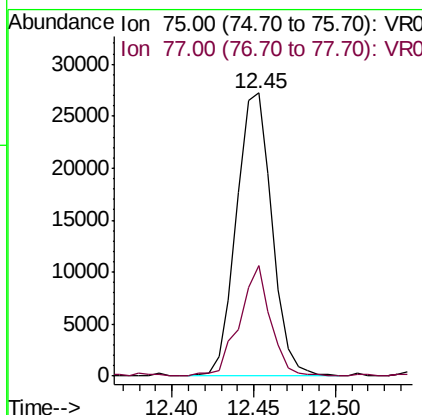
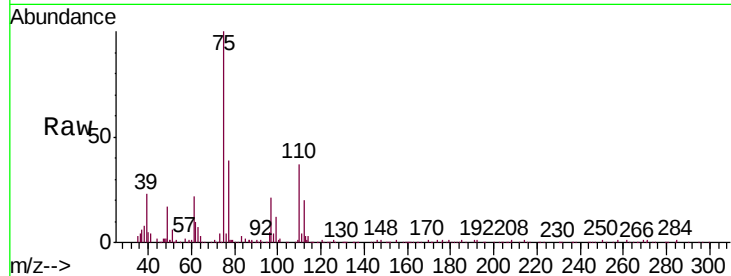




#59
 1,2,3-Trichloropropane
 Concen: 4.450 ug/L
 RT: 12.45 min Scan# 1771
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

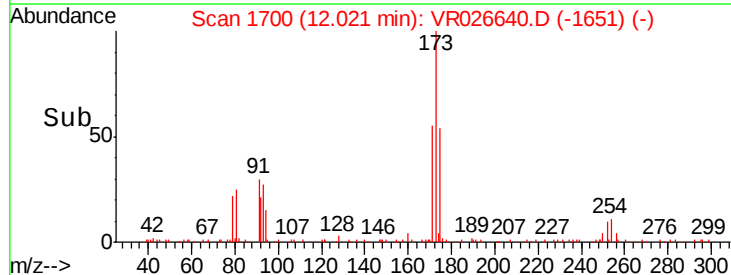
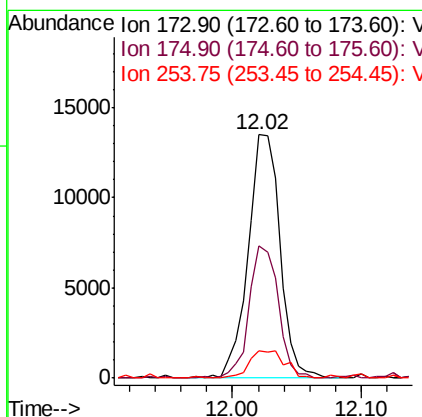
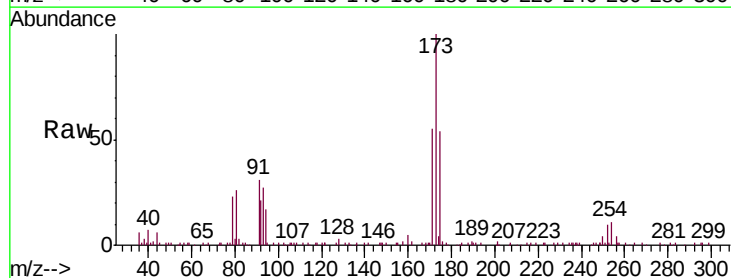
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00571

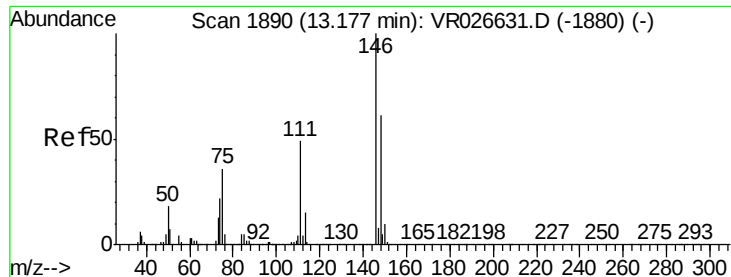
Tgt Ion: 75 Resp: 41436
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.8 38.6



#61
 Bromoform
 Concen: 4.340 ug/L
 RT: 12.02 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

Tgt Ion: 173 Resp: 22925
 Ion Ratio Lower Upper
 173 100
 175 49.6 40.2 60.2
 254 12.6 8.7 13.1





#62

1,3-Dichlorobenzene

Concen: 4.562 ug/L

RT: 13.18 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

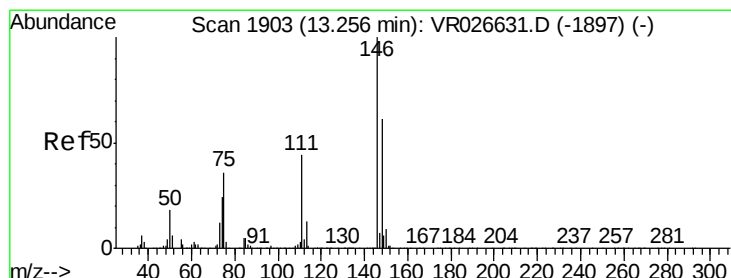
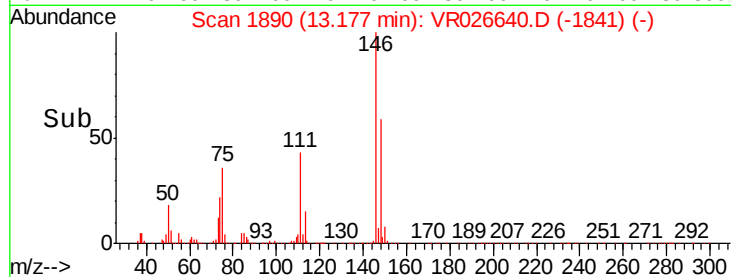
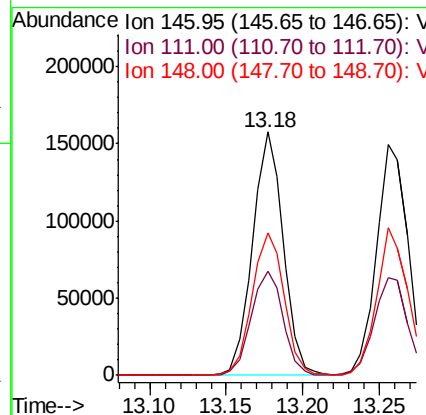
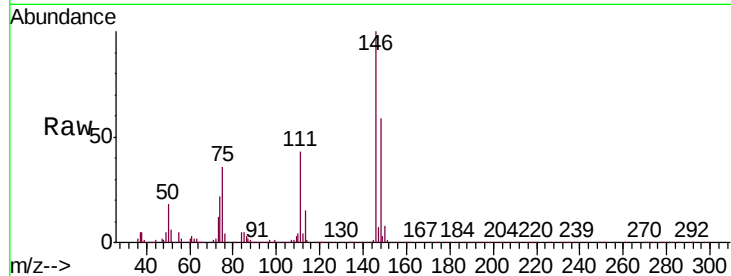
Instrument :

MSVOA_R

ClientSampled :

VSTD00571

Tgt Ion:	146	Resp:	219237
Ion	Ratio	Lower	Upper
146	100		
111	42.9	29.5	54.9
148	58.7	42.8	79.4



#63

1,4-Dichlorobenzene

Concen: 4.454 ug/L

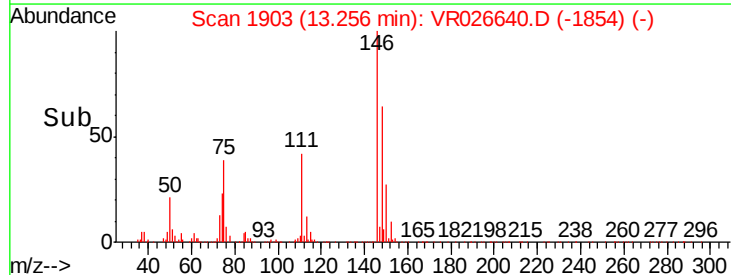
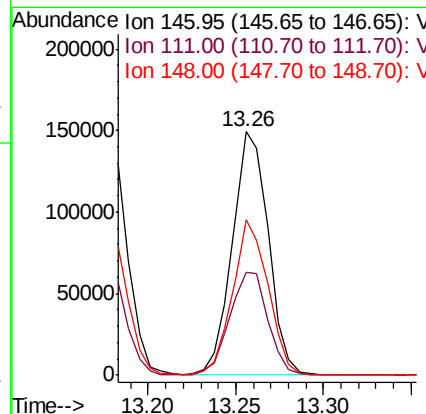
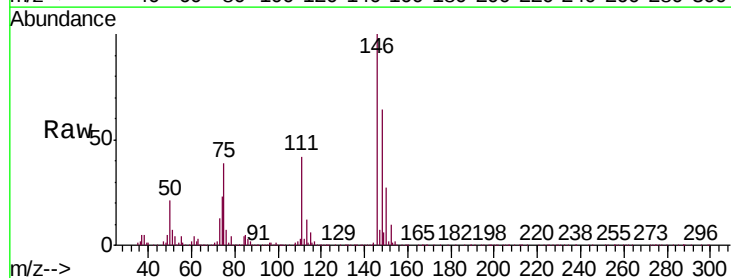
RT: 13.26 min Scan# 1903

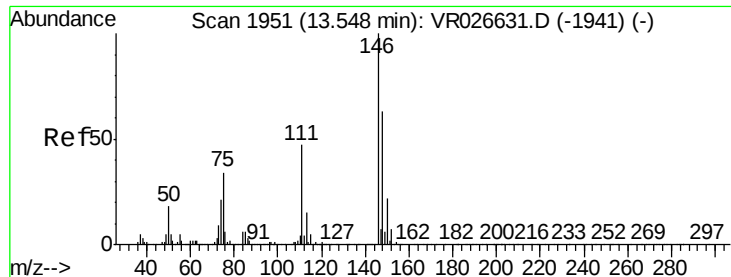
Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

Tgt Ion:	146	Resp:	212733
Ion	Ratio	Lower	Upper
146	100		
111	42.4	31.1	57.9
148	64.0	44.6	82.8

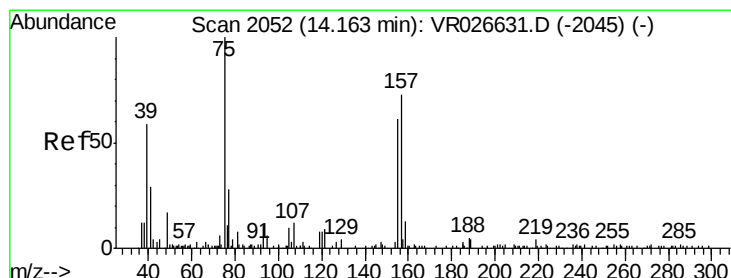
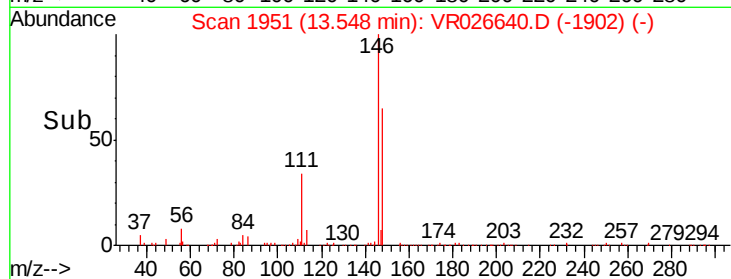
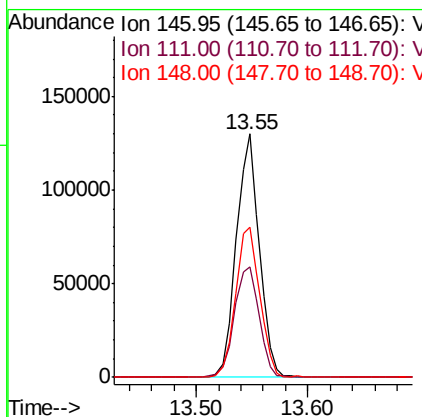
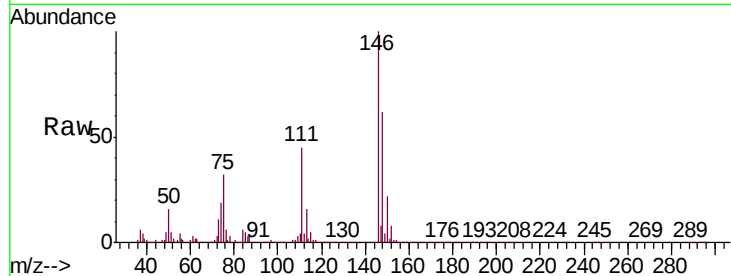




#65
 1,2-Dichlorobenzene
 Concen: 4.526 ug/L
 RT: 13.55 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

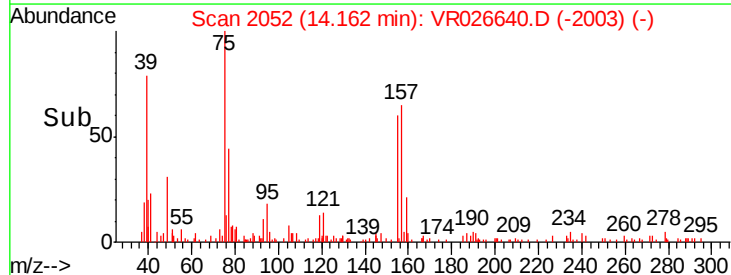
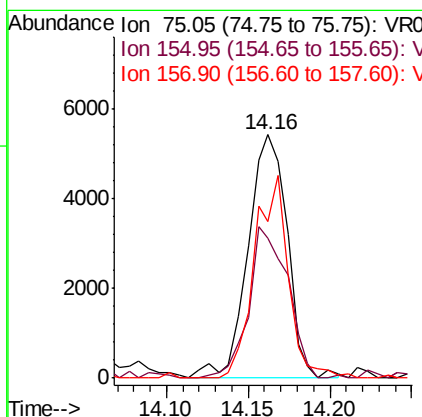
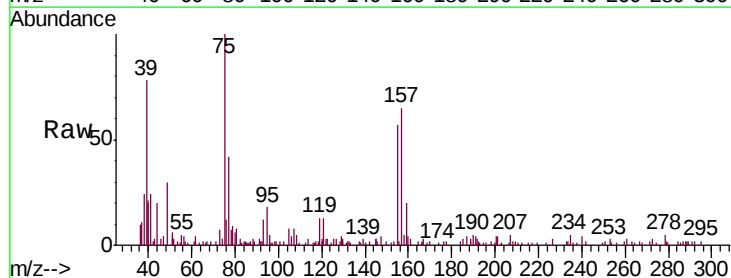
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00571

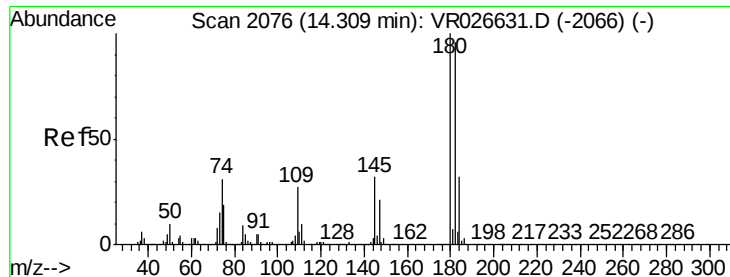
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	38.2	57.2
148	61.5	50.1	75.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.474 ug/L
 RT: 14.16 min Scan# 2052
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	57.3	49.4	74.2
157	64.6	65.2	97.8#

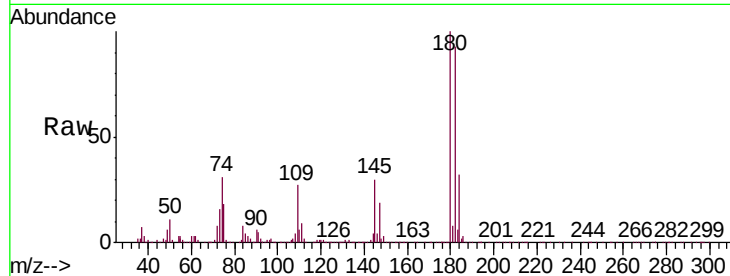




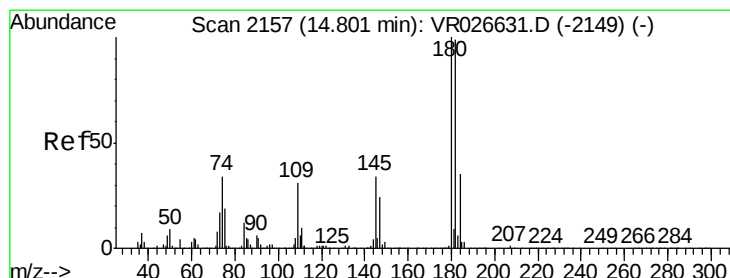
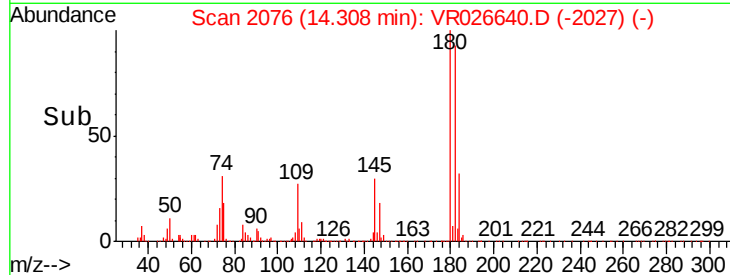
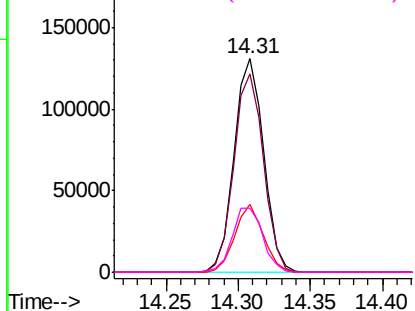
#67
 1,3,5-Trichlorobenzene
 Concen: 4.810 ug/L
 RT: 14.31 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00571

Tgt Ion:	180	Resp:	187248
Ion Ratio	Lower	Upper	
180	100		
182	93.4	76.3	114.5
184	30.7	24.4	36.6
145	31.5	25.1	37.7

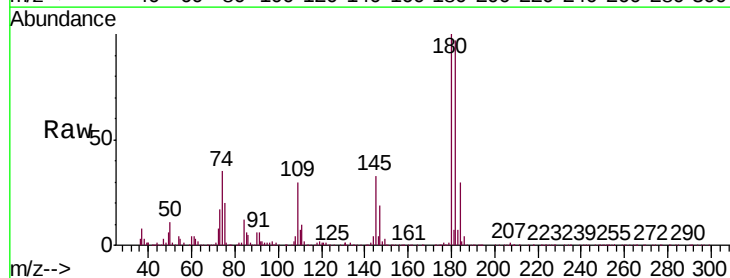


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

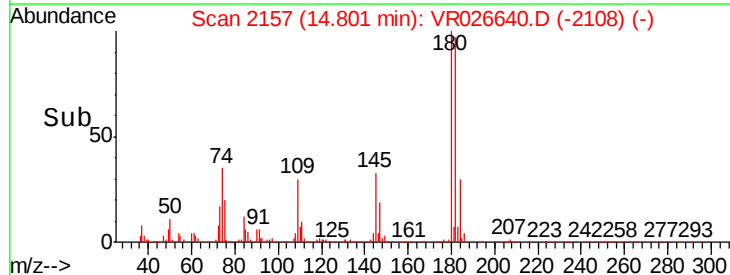
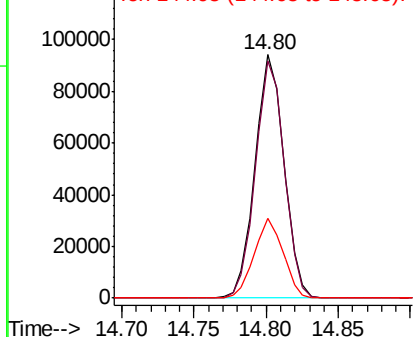


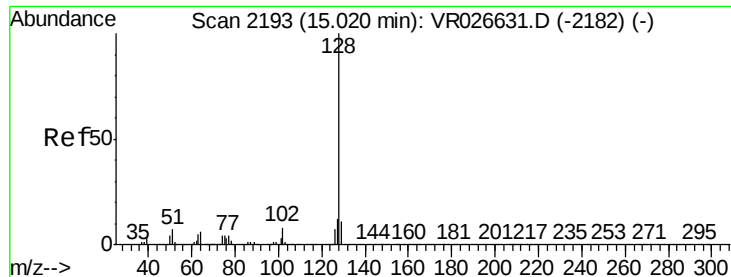
#68
 1,2,4-trichlorobenzene
 Concen: 4.744 ug/L
 RT: 14.80 min Scan# 2157
 Delta R.T. -0.00 min
 Lab File: VR026640.D
 Acq: 17 Sep 2019 9:35

Tgt Ion:	180	Resp:	130285
Ion Ratio	Lower	Upper	
180	100		
182	96.6	75.1	112.7
145	32.7	25.9	38.9



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.564 ug/L

RT: 15.02 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

Instrument :

MSVOA_R

ClientSampleId :

VSTD00571

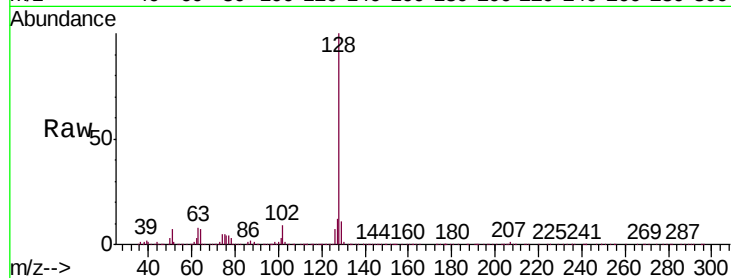
Tgt Ion:128 Resp: 166681

Ion Ratio Lower Upper

128 100

127 13.4 10.8 16.2

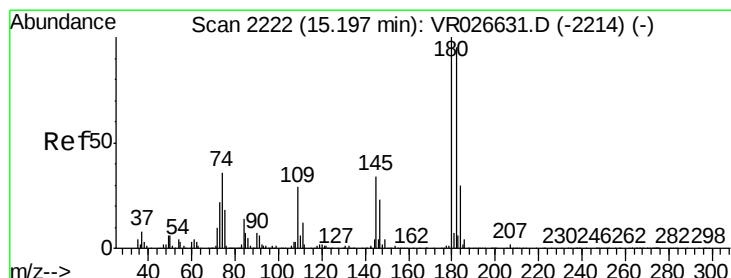
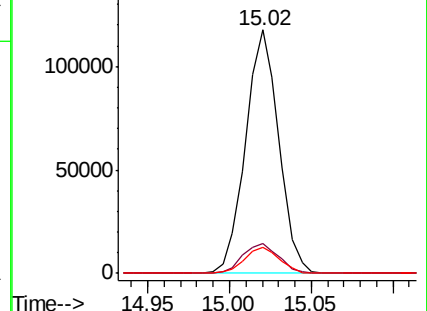
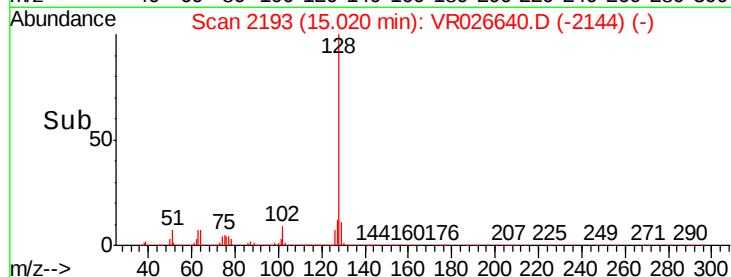
129 11.5 8.9 13.3



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: 5.139 ug/L

RT: 15.20 min Scan# 2222

Delta R.T. -0.00 min

Lab File: VR026640.D

Acq: 17 Sep 2019 9:35

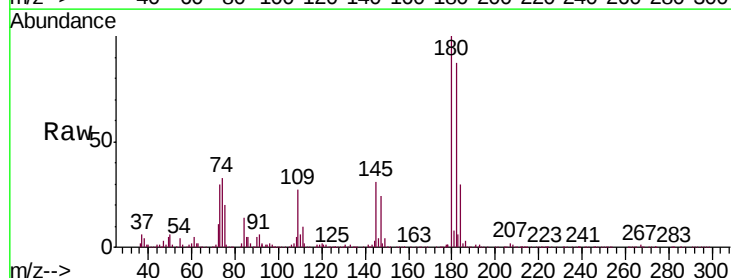
Tgt Ion:180 Resp: 125017

Ion Ratio Lower Upper

180 100

182 89.0 76.2 114.4

145 34.1 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

