

Data File : VR026487.D
Acq On : 7 Apr 2019 10:05
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00562

Quant Time: Apr 08 02:56:50 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Apr 06 23:34:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	493776	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	405122	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	166757	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	177960	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	2.62	69	158273	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	3.61	63	513102	5.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.80%
20) 2-Butanone-d5	6.59	46	166183	49.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.36%
24) Chloroform-d	7.20	84	358492	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
26) 1,2-Dichloroethane-d4	7.89	65	151042	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
32) Benzene-d6	7.85	84	668591	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	8.89	67	173335	5.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.40%
41) Toluene-d8	9.97	98	638463	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
43) trans-1,3-Dichloropropene-	10.23	79	37210	4.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.60%
46) 2-Hexanone-d5	10.59	63	140263	58.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	66814	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	119130	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	202828	4.008 ug/L	99
3) Chloromethane	2.01	50	265227	4.969 ug/L	95
5) Vinyl chloride	2.16	62	257682	4.913 ug/L	98
6) Bromomethane	2.51	94	152760	4.981 ug/L	97
8) Chloroethane	2.65	64	164037	5.516 ug/L	99
9) Trichlorofluoromethane	2.93	101	405023	5.578 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.67	101	190144	4.746 ug/L	98
12) 1,1-Dichloroethene	3.62	96	221903	5.067 ug/L	93
13) Acetone	3.70	43	163142	48.264 ug/L	98
14) Carbon disulfide	3.93	76	649854	5.113 ug/L	100
15) Methyl Acetate	4.19	43	46120	5.057 ug/L	97
16) Methylene chloride	4.40	84	191429	4.917 ug/L	97
17) Methyl tert-butyl Ether	4.89	73	226022	4.538 ug/L	100
18) trans-1,2-Dichloroethene	4.88	96	201297	4.872 ug/L	90
19) 1,1-Dichloroethane	5.69	63	384091	5.003 ug/L	95
21) 2-Butanone	6.69	43	234165	53.880 ug/L	99
22) cis-1,2-Dichloroethene	6.67	96	186510	5.427 ug/L #	85

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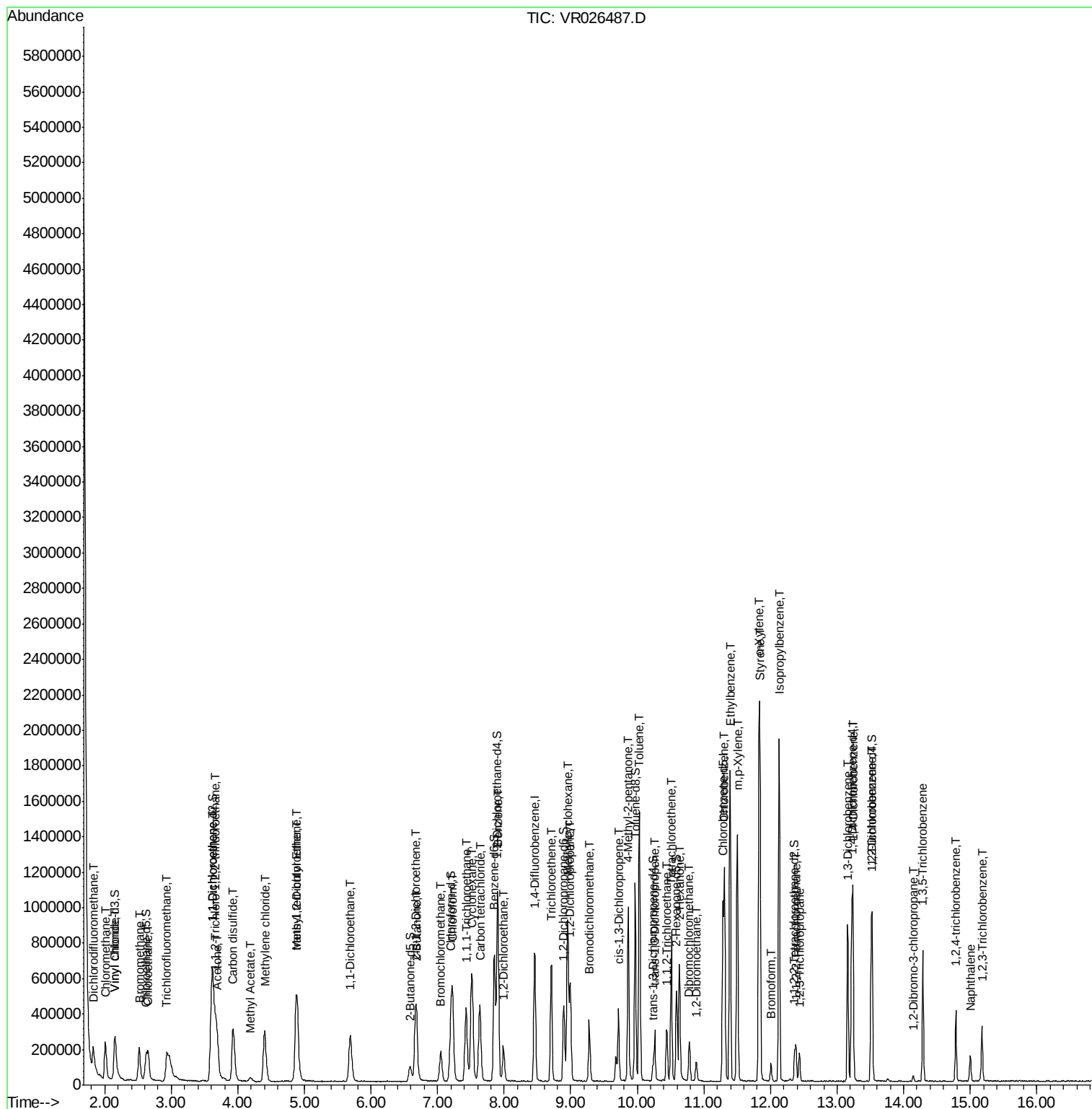
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	52835	4.934	ug/L	86
25) Chloroform	7.23	83	377437	5.138	ug/L	99
27) 1,2-Dichloroethane	7.99	62	180605	4.930	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	327734	4.901	ug/L	97
30) Cyclohexane	7.51	56	327830	5.277	ug/L	99
31) Carbon tetrachloride	7.63	117	324155	5.117	ug/L	99
33) Benzene	7.90	78	838936	5.299	ug/L	100
34) Trichloroethene	8.71	95	209188	4.933	ug/L	98
35) Methylcyclohexane	8.95	83	300536	4.969	ug/L	99
37) 1,2-Dichloropropane	8.99	63	179793	5.182	ug/L	99
38) Bromodichloromethane	9.28	83	205474	5.125	ug/L	93
39) cis-1,3-Dichloropropene	9.72	75	185336	4.921	ug/L	95
40) 4-Methyl-2-pentanone	9.86	43	601463	59.161	ug/L	98
42) Toluene	10.03	91	905325	5.580	ug/L	99
44) trans-1,3-Dichloropropene	10.26	75	127638	4.646	ug/L	93
45) 1,1,2-Trichloroethane	10.45	97	72545	5.169	ug/L	95
47) Tetrachloroethene	10.51	164	150949	5.002	ug/L	93
48) 2-Hexanone	10.63	43	401604	59.389	ug/L	100
49) Dibromochloromethane	10.79	129	94035	5.115	ug/L	95
50) 1,2-Dibromoethane	10.88	107	63474	5.258	ug/L #	94
51) Chlorobenzene	11.32	112	469332	5.155	ug/L	99
52) Ethylbenzene	11.39	91	1034812	5.536	ug/L	99
53) m,p-Xylene	11.50	106	366109	5.465	ug/L	99
54) o-Xylene	11.83	106	334949	5.690	ug/L	99
55) Styrene	11.84	104	527171	5.673	ug/L	94
56) Isopropylbenzene	12.13	105	968860	5.799	ug/L	100
58) 1,1,2,2-Tetrachloroethane	12.38	83	70629	5.182	ug/L	96
59) 1,2,3-Trichloropropane	12.43	75	54976	5.259	ug/L	99
61) Bromoform	12.01	173	36697	4.932	ug/L	97
62) 1,3-Dichlorobenzene	13.16	146	265028	4.958	ug/L	97
63) 1,4-Dichlorobenzene	13.24	146	296271	4.938	ug/L	95
65) 1,2-Dichlorobenzene	13.53	146	230961	5.209	ug/L	100
66) 1,2-Dibromo-3-chloropropan	14.14	75	6761	3.967	ug/L #	78
67) 1,3,5-Trichlorobenzene	14.29	180	162566	4.655	ug/L	98
68) 1,2,4-trichlorobenzene	14.79	180	93912	4.839	ug/L	100
69) Naphthalene	15.00	128	88146	4.829	ug/L	98
70) 1,2,3-Trichlorobenzene	15.18	180	72795	5.412	ug/L	93

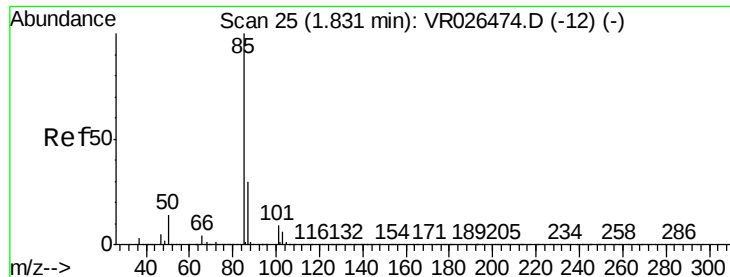
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.008 ug/L

RT: 1.83 min Scan# 25

Delta R.T. -0.00 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

Instrument :

MSVOA_R

ClientSampleId :

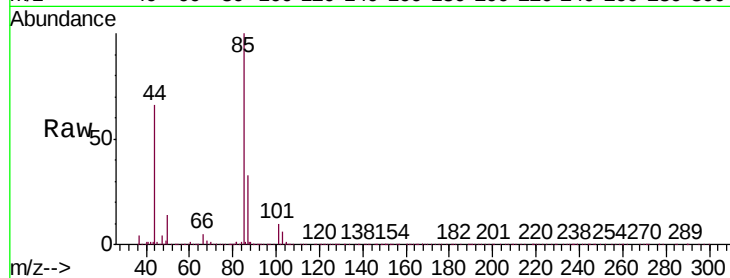
VSTD00562

Tgt Ion: 85 Resp: 202828

Ion Ratio Lower Upper

85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0

80000

60000

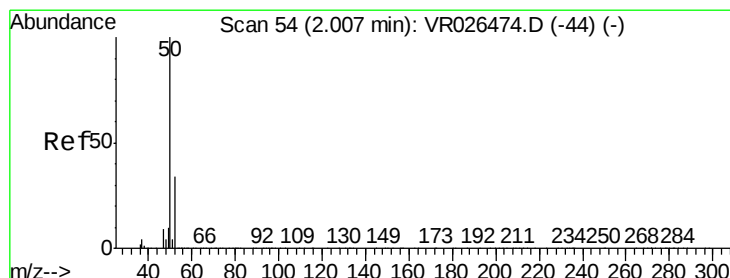
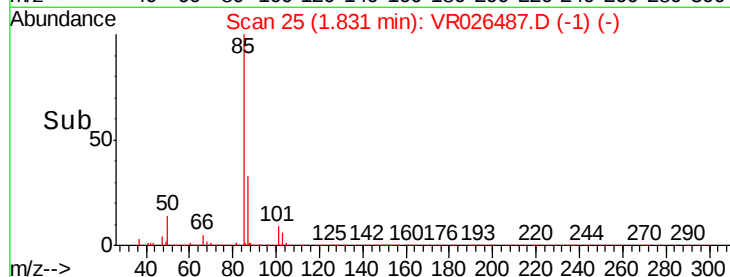
40000

20000

0

1.70 1.80 1.90

Time-->



#3

Chloromethane

Concen: 4.969 ug/L

RT: 2.01 min Scan# 54

Delta R.T. 0.01 min

Lab File: VR026487.D

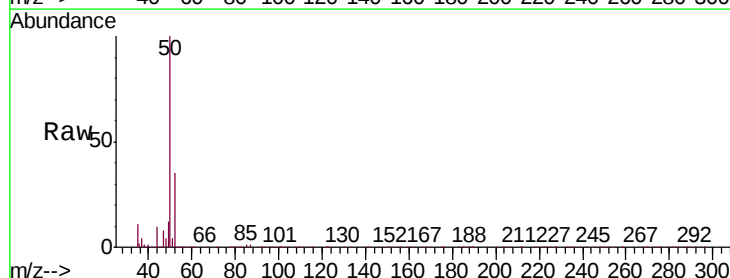
Acq: 7 Apr 2019 10:05

Tgt Ion: 50 Resp: 265227

Ion Ratio Lower Upper

50 100

52 35.1 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0

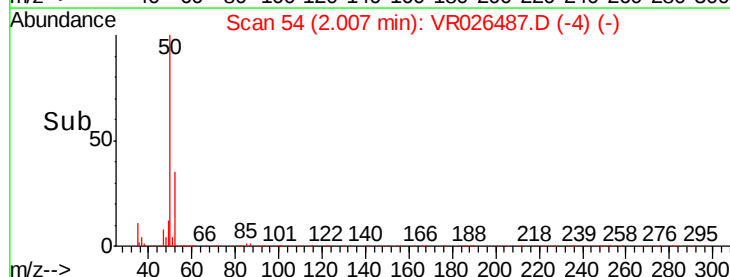
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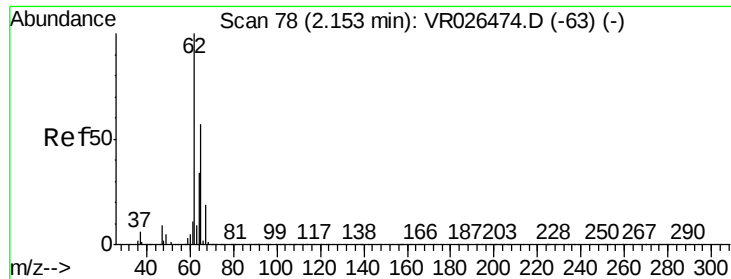
50000

0

1.90 2.00 2.10

Time-->





#5

Vinyl chloride

Concen: 4.913 ug/L

RT: 2.16 min Scan# 79

Delta R.T. 0.01 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

Instrument :

MSVOA_R

ClientSampleId :

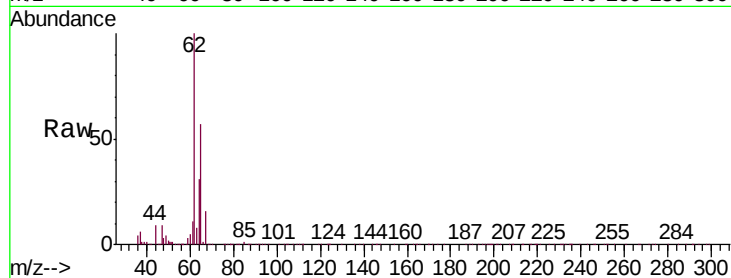
VSTD00562

Tgt Ion: 62 Resp: 257682

Ion Ratio Lower Upper

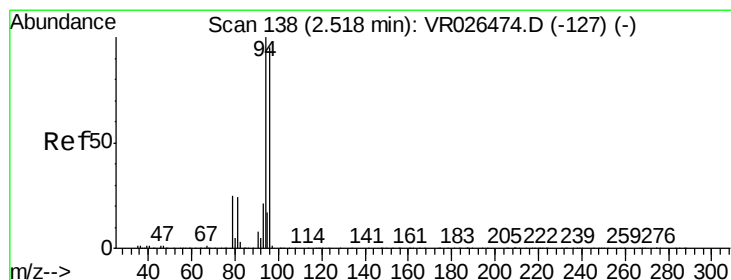
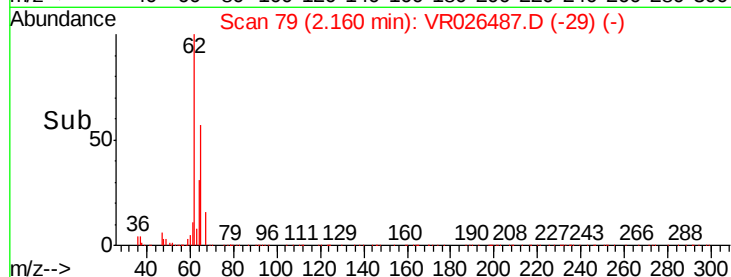
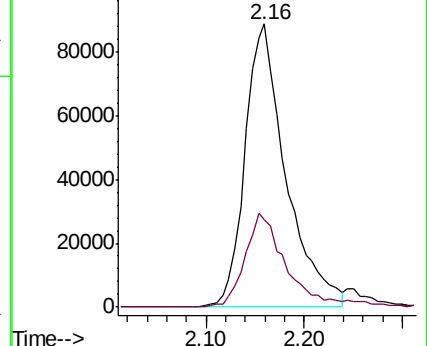
62 100

64 31.0 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0



#6

Bromomethane

Concen: 4.981 ug/L

RT: 2.51 min Scan# 137

Delta R.T. -0.01 min

Lab File: VR026487.D

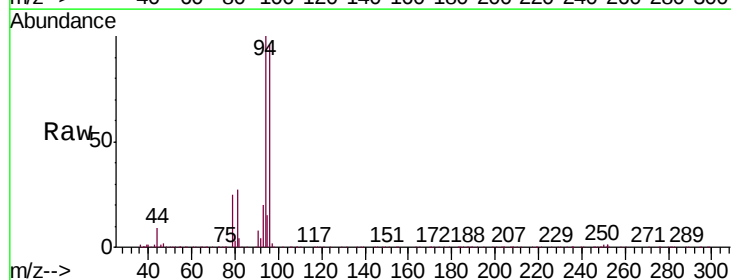
Acq: 7 Apr 2019 10:05

Tgt Ion: 94 Resp: 152760

Ion Ratio Lower Upper

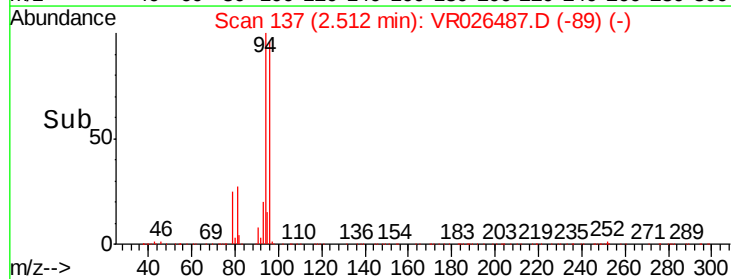
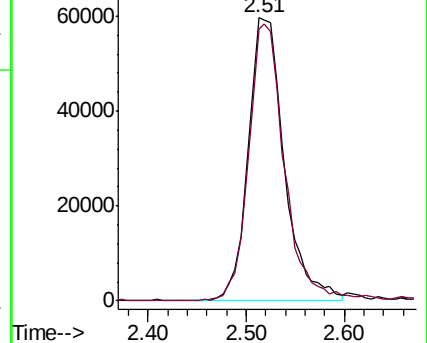
94 100

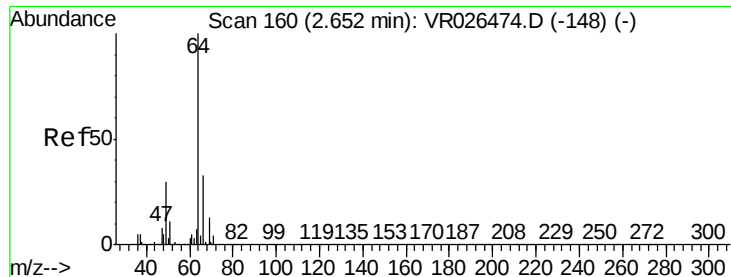
96 96.0 69.1 128.3



Abundance Ion 94.00 (93.70 to 94.70): VR0

Ion 96.00 (95.70 to 96.70): VR0





#8

Chloroethane

Concen: 5.516 ug/L

RT: 2.65 min Scan# 160

Delta R.T. -0.01 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

Instrument :

MSVOA_R

ClientSampleId :

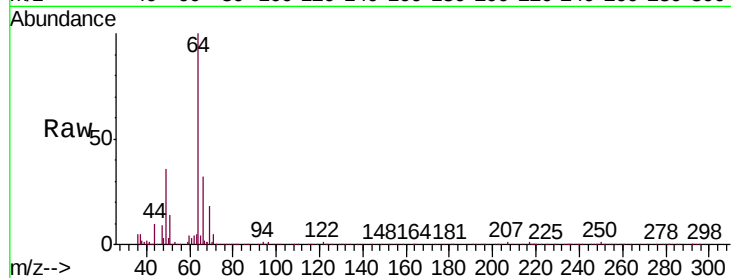
VSTD00562

Tgt Ion: 64 Resp: 164037

Ion Ratio Lower Upper

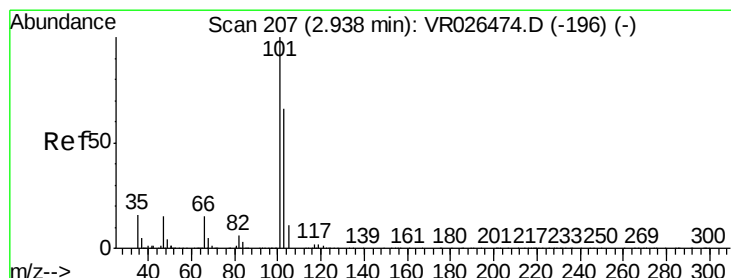
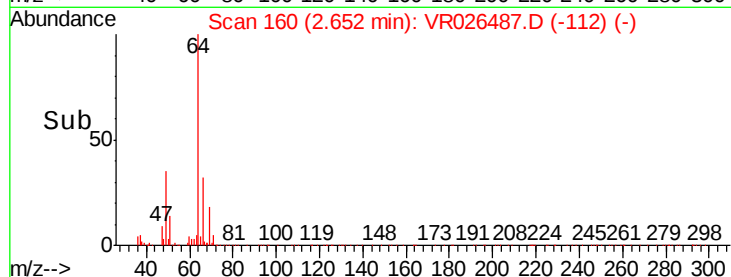
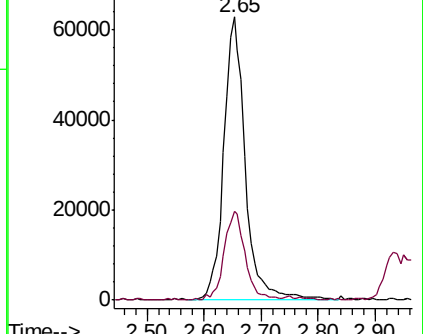
64 100

66 31.6 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#9

Trichlorofluoromethane

Concen: 5.578 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR026487.D

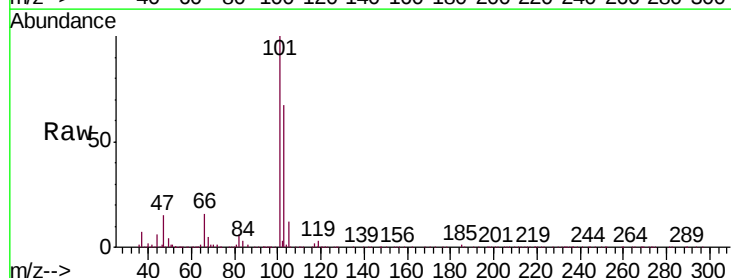
Acq: 7 Apr 2019 10:05

Tgt Ion: 101 Resp: 405023

Ion Ratio Lower Upper

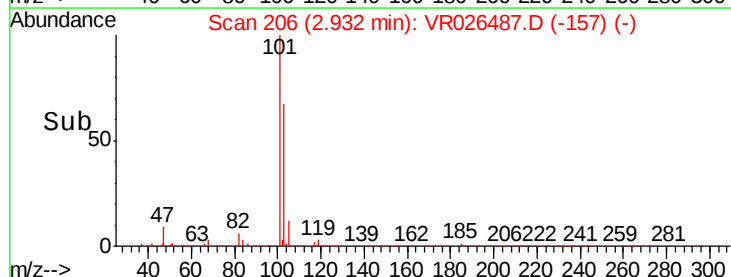
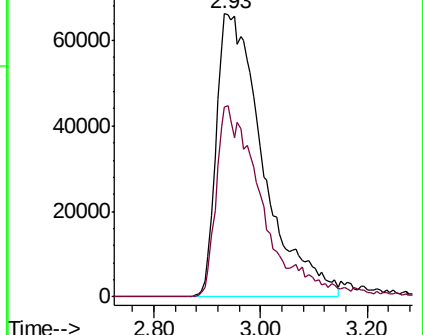
101 100

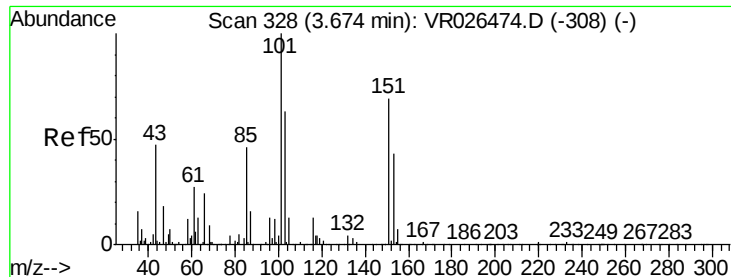
103 58.8 48.2 72.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 4.746 ug/L

RT: 3.67 min Scan# 327

Delta R.T. -0.00 min

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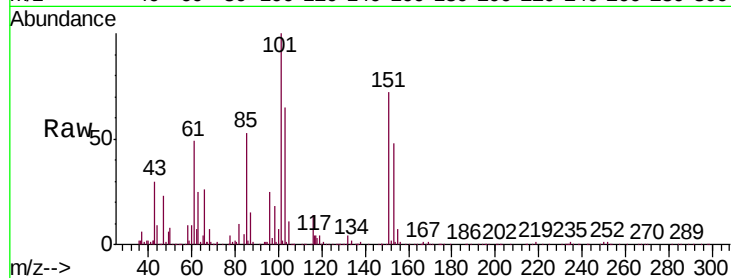
Tgt Ion: 101 Resp: 190144

Ion Ratio Lower Upper

101 100

85 49.6 39.2 58.8

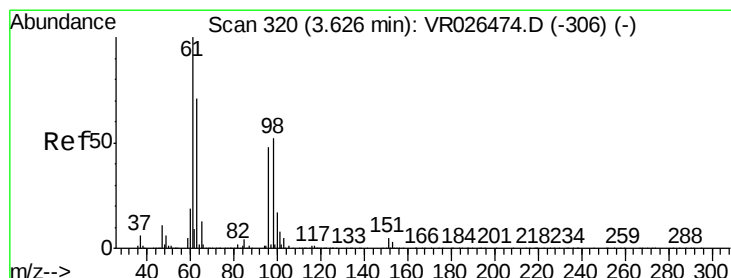
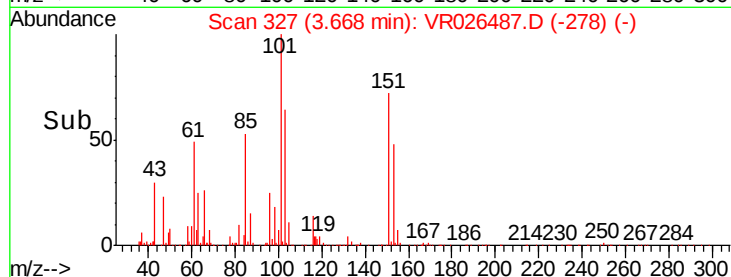
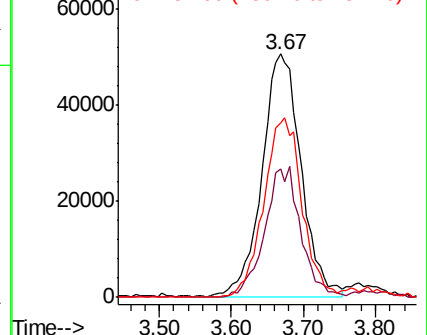
151 72.2 59.7 89.5



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: 5.067 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

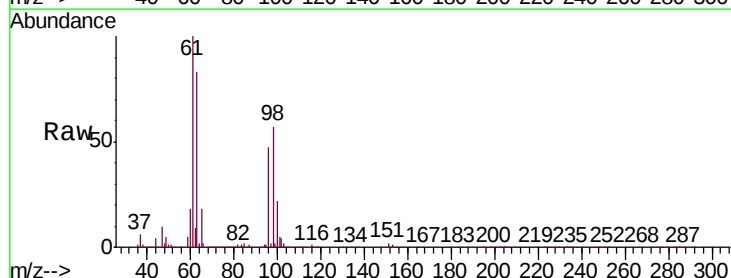
Tgt Ion: 96 Resp: 221903

Ion Ratio Lower Upper

96 100

61 213.1 142.7 264.9

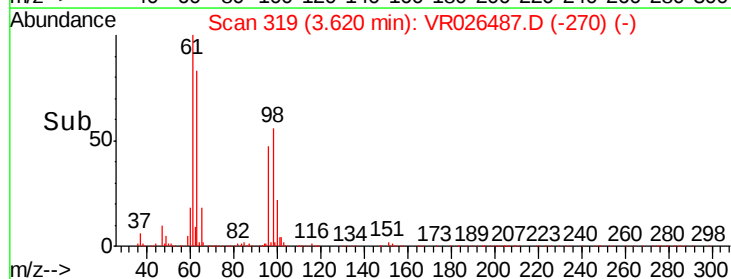
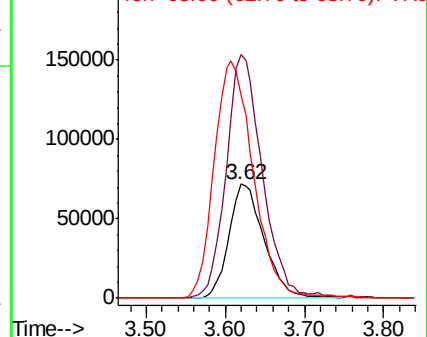
63 177.8 116.9 217.1

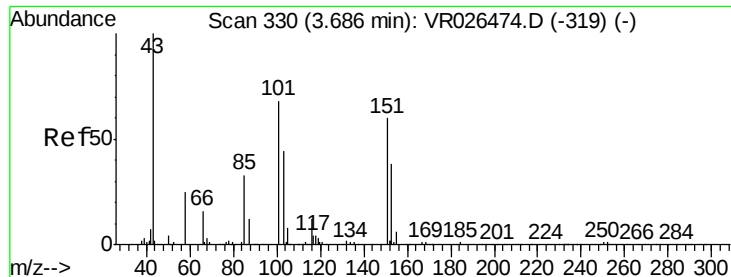


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 48.264 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

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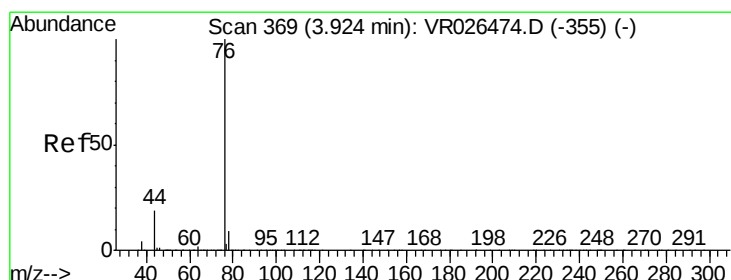
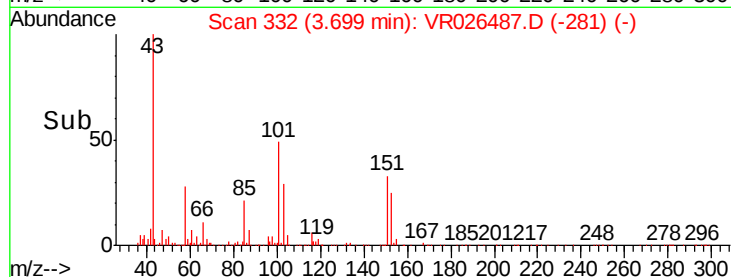
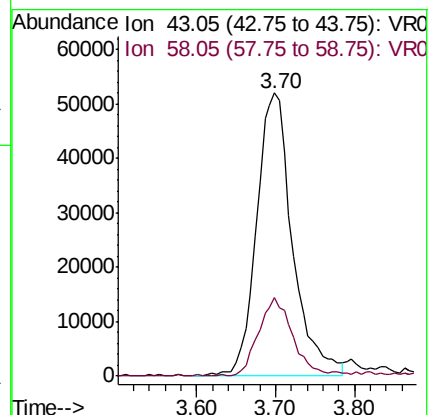
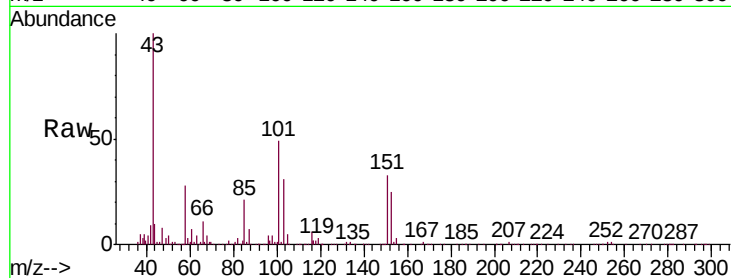
VSTD00562

Tgt Ion: 43 Resp: 163142

Ion Ratio Lower Upper

43 100

58 25.7 0.0 53.8



#14

Carbon disulfide

Concen: 5.113 ug/L

RT: 3.93 min Scan# 370

Delta R.T. 0.01 min

Lab File: VR026487.D

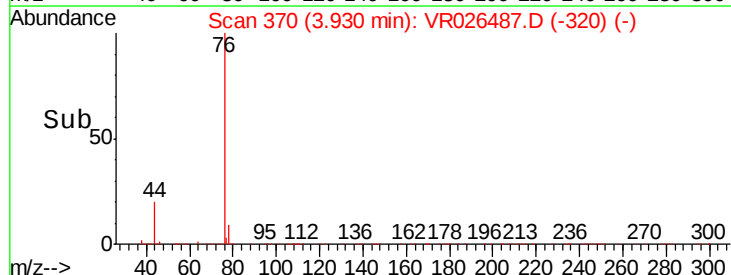
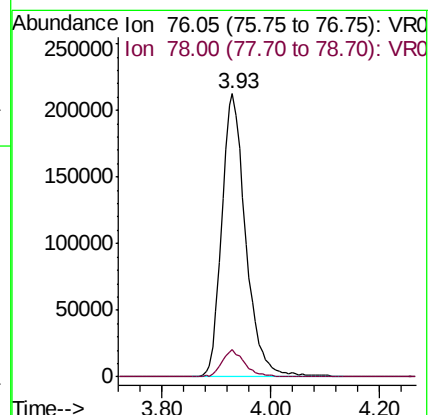
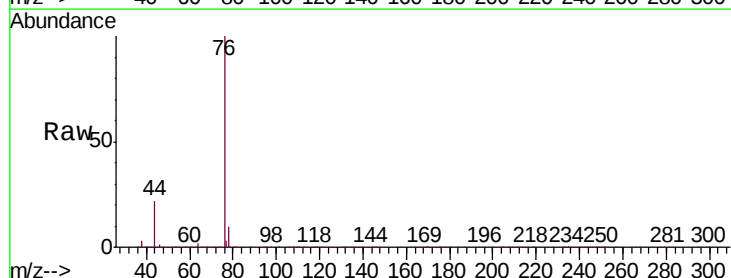
Acq: 7 Apr 2019 10:05

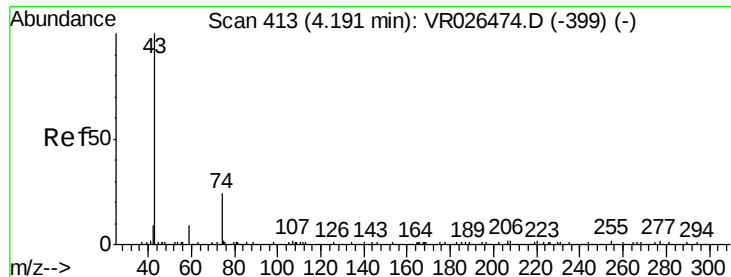
Tgt Ion: 76 Resp: 649854

Ion Ratio Lower Upper

76 100

78 9.7 7.7 11.5

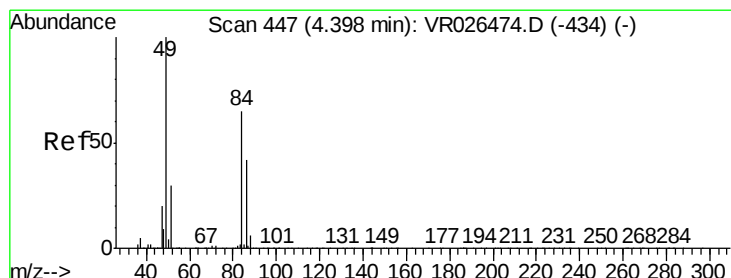
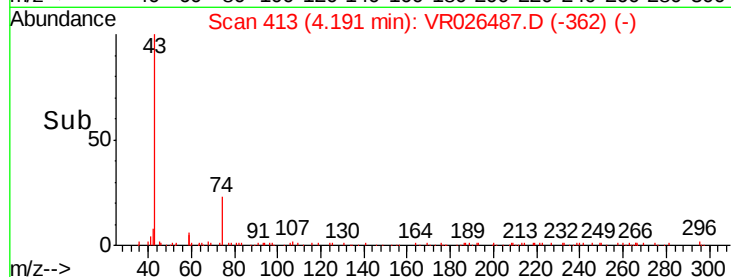
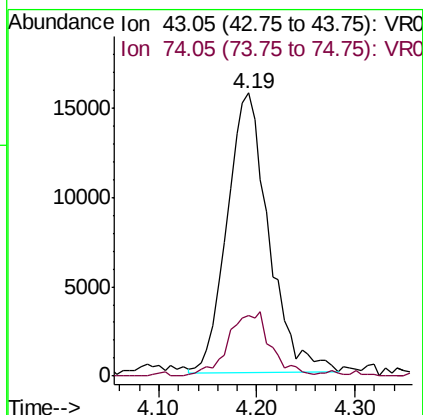
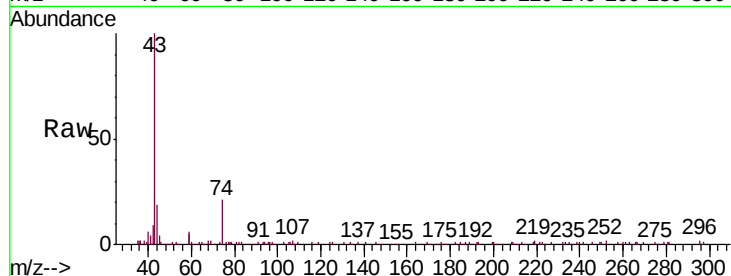




#15
Methyl Acetate
Concen: 5.057 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

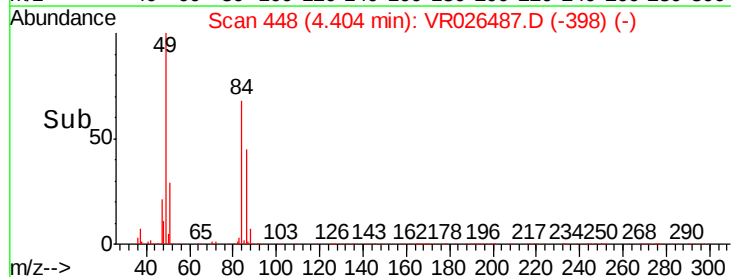
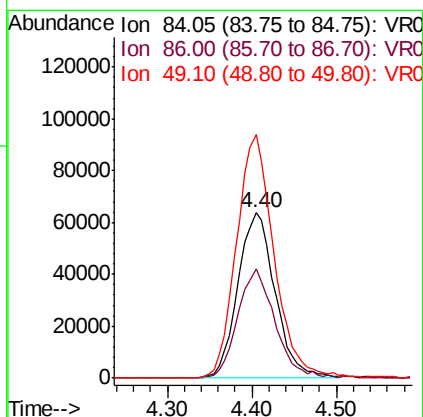
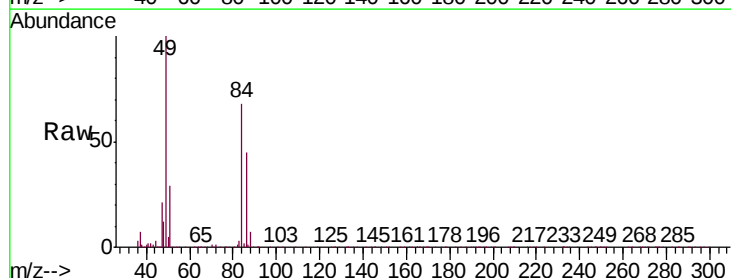
Instrument :
MSVOA_R
ClientSampleId :
VSTD00562

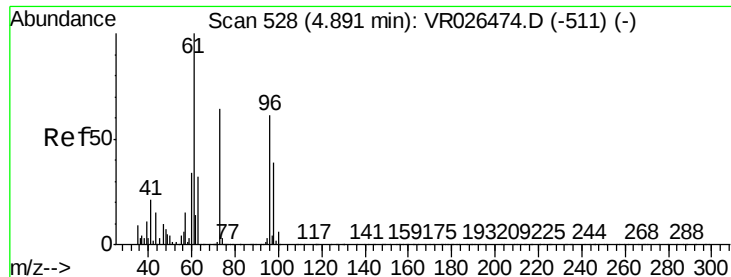
Tgt Ion: 43 Resp: 46120
Ion Ratio Lower Upper
43 100
74 23.4 17.5 26.3



#16
Methylene chloride
Concen: 4.917 ug/L
RT: 4.40 min Scan# 448
Delta R.T. 0.01 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

Tgt Ion: 84 Resp: 191429
Ion Ratio Lower Upper
84 100
86 66.5 45.6 84.6
49 147.4 106.5 197.9



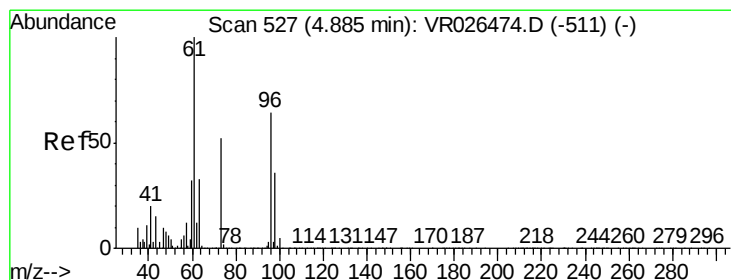
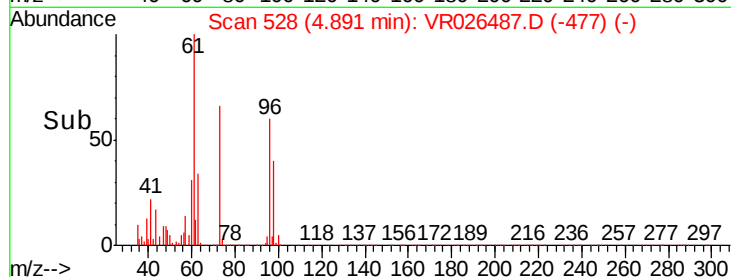
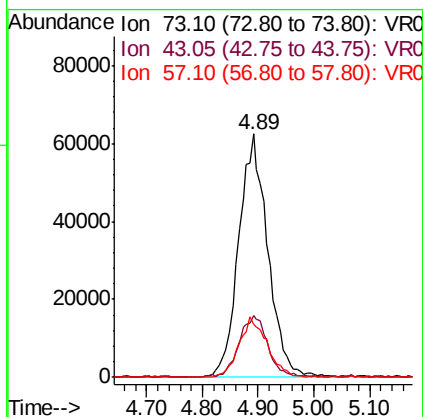
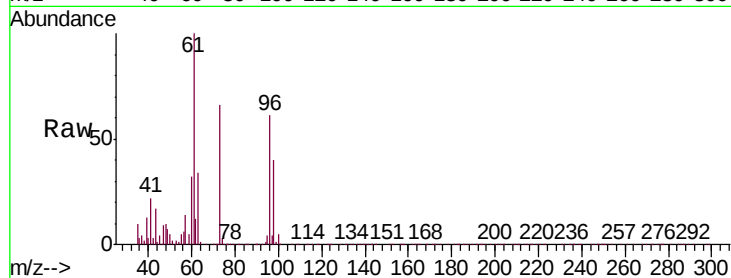


#17

Methyl tert-butyl Ether
Concen: 4.538 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.01 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

Instrument :
MSVOA_R
ClientSampleId :
VSTD00562

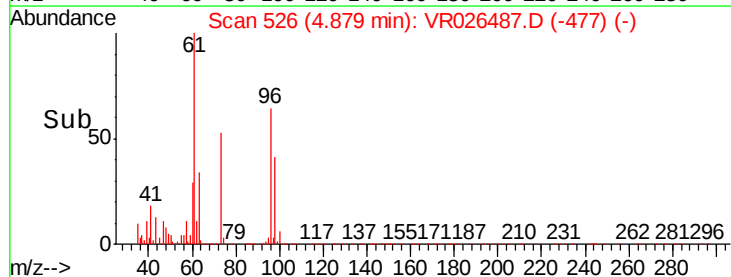
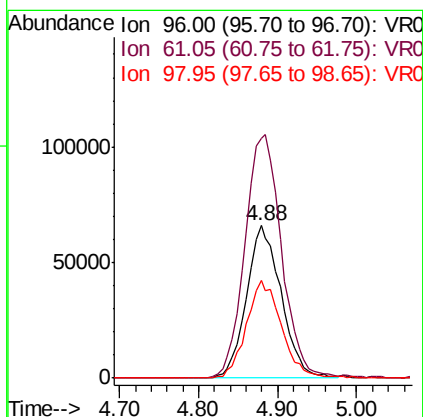
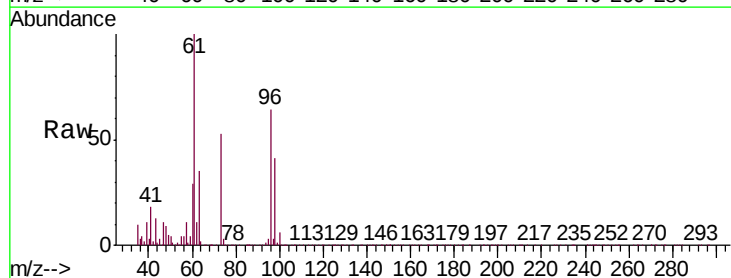
Tgt Ion: 73 Resp: 226022
Ion Ratio Lower Upper
73 100
43 24.7 19.8 29.8
57 23.7 18.9 28.3

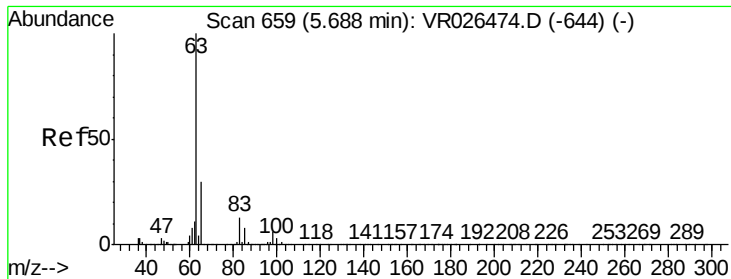


#18

trans-1,2-Dichloroethene
Concen: 4.872 ug/L
RT: 4.88 min Scan# 526
Delta R.T. -0.00 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

Tgt Ion: 96 Resp: 201297
Ion Ratio Lower Upper
96 100
61 156.9 122.9 228.3
98 64.4 45.2 84.0





#19

1,1-Dichloroethane

Concen: 5.003 ug/L

RT: 5.69 min Scan# 659

Delta R.T. 0.01 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

Instrument :

MSVOA_R

ClientSampleId :

VSTD00562

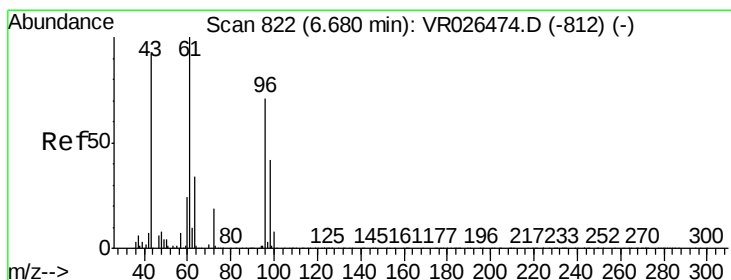
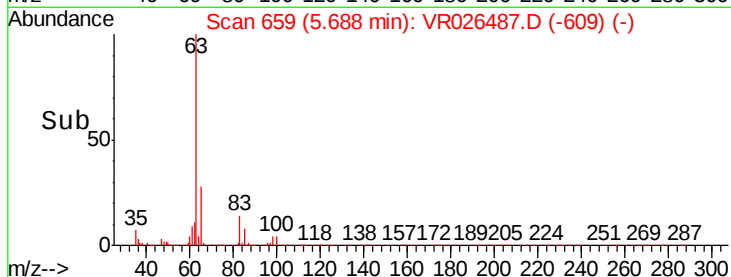
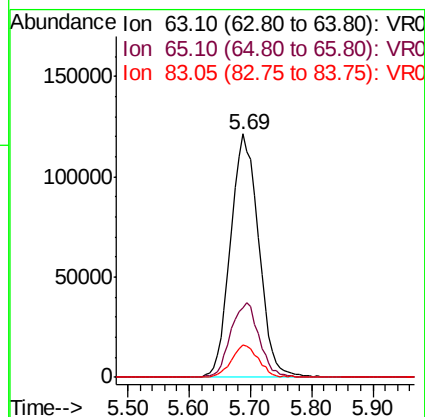
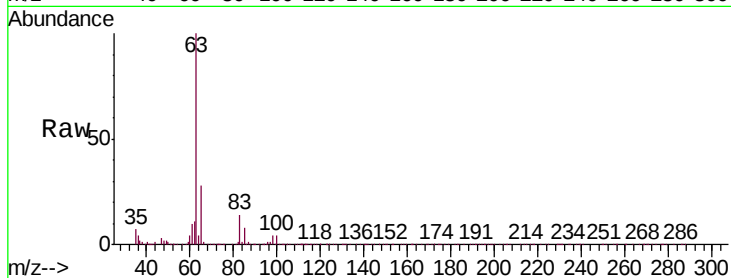
Tgt Ion: 63 Resp: 384091

Ion Ratio Lower Upper

63 100

65 28.5 22.0 40.8

83 13.5 8.2 15.2



#21

2-Butanone

Concen: 53.880 ug/L

RT: 6.69 min Scan# 823

Delta R.T. 0.01 min

Lab File: VR026487.D

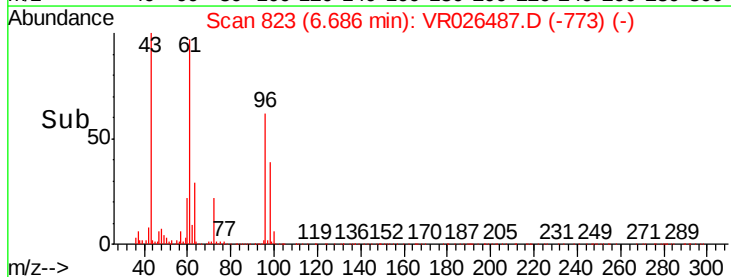
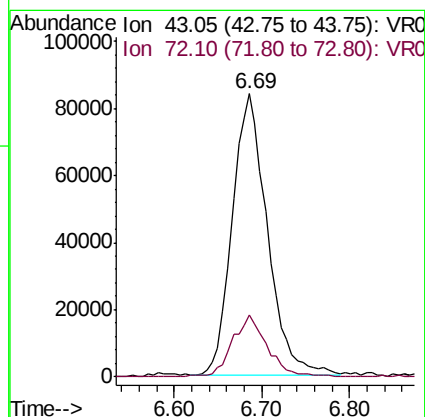
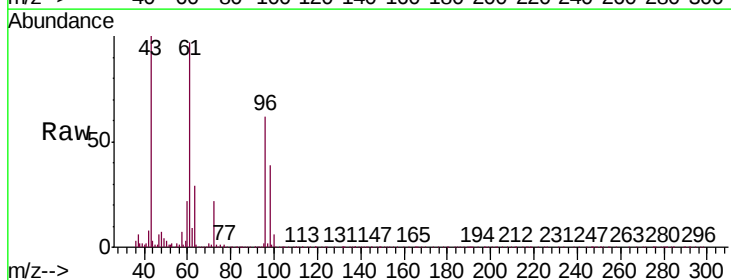
Acq: 7 Apr 2019 10:05

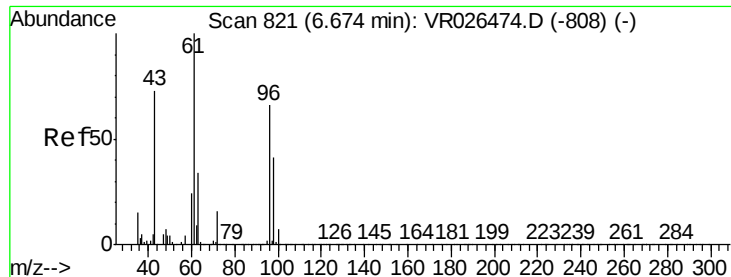
Tgt Ion: 43 Resp: 234165

Ion Ratio Lower Upper

43 100

72 21.8 11.1 33.3



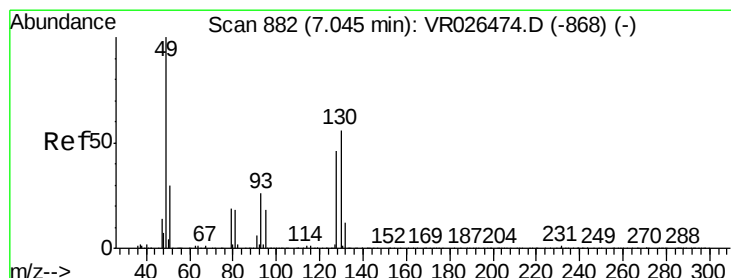
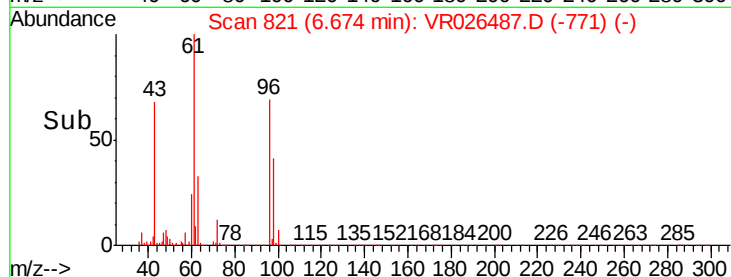
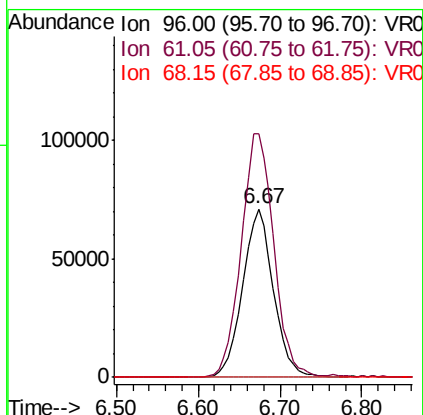
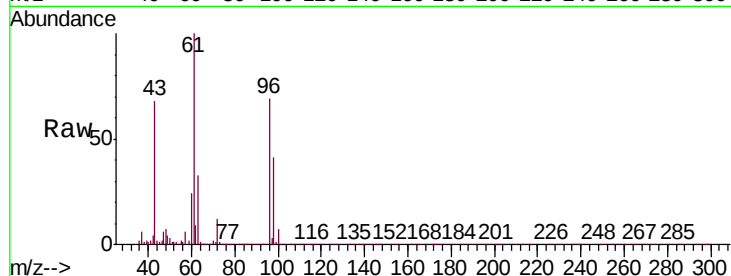


#22

cis-1,2-Dichloroethene
Concen: 5.427 ug/L
RT: 6.67 min Scan# 821
Delta R.T. 0.01 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

Instrument :
MSVOA_R
ClientSampled :
VSTD00562

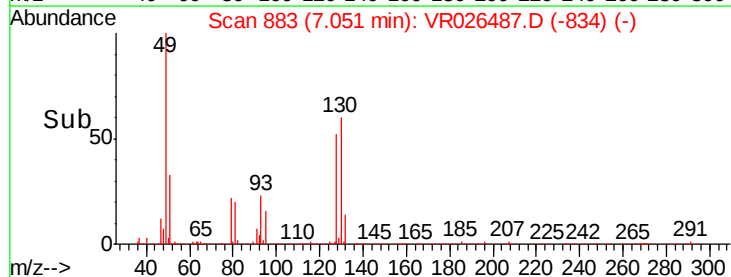
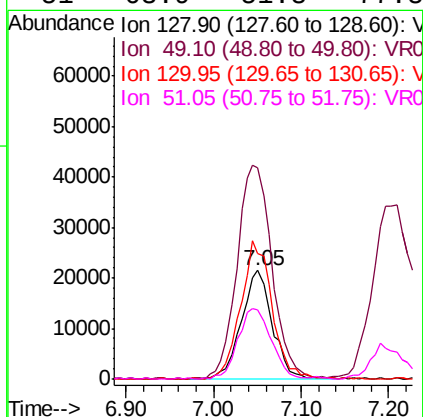
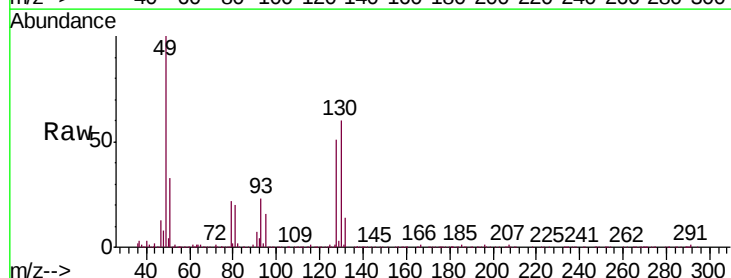
Tgt Ion: 96 Resp: 186510
Ion Ratio Lower Upper
96 100
61 144.3 115.0 213.6
68 0.1 0.0 0.0#

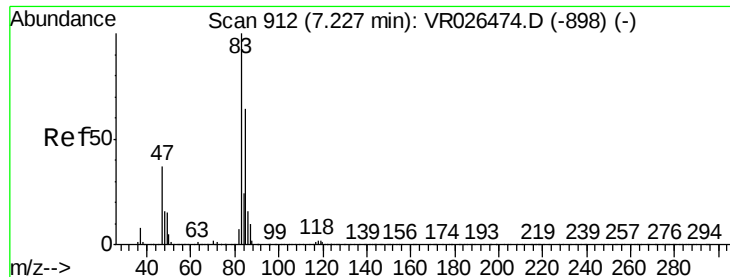


#23

Bromochloromethane
Concen: 4.934 ug/L
RT: 7.05 min Scan# 883
Delta R.T. -0.00 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

Tgt Ion: 128 Resp: 52835
Ion Ratio Lower Upper
128 100
49 194.3 158.3 293.9
130 116.1 90.0 167.2
51 63.9 51.8 77.8

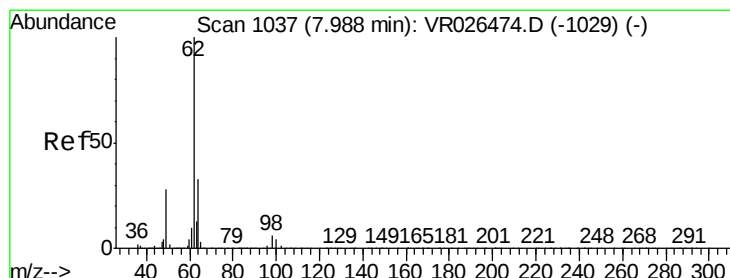
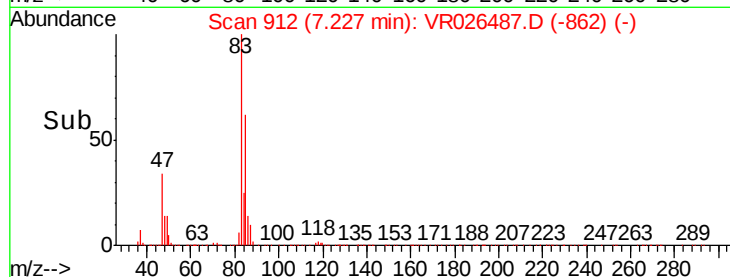
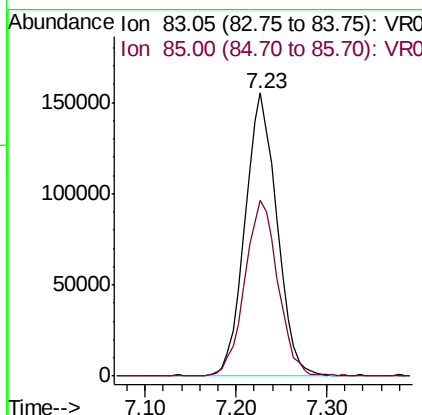
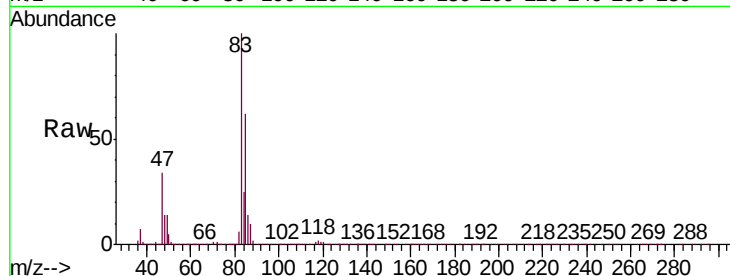




#25
Chloroform
Concen: 5.138 ug/L
RT: 7.23 min Scan# 912
Delta R.T. 0.01 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

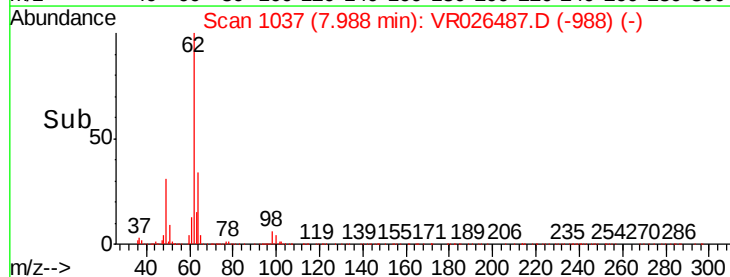
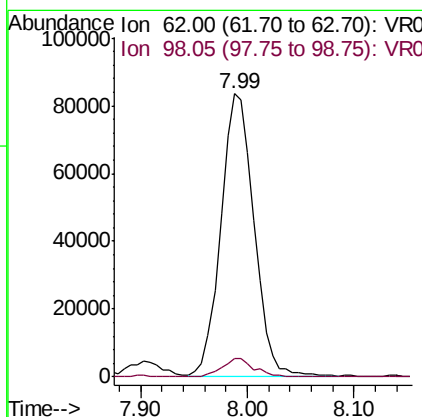
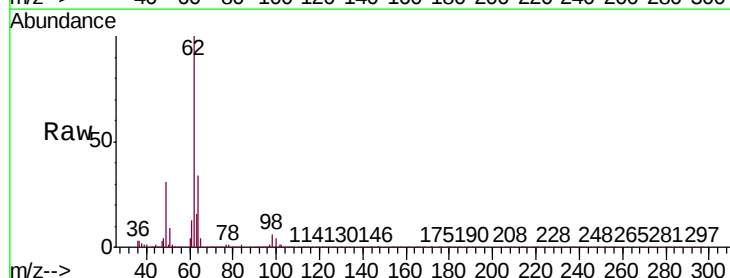
Instrument :
MSVOA_R
ClientSampleId :
VSTD00562

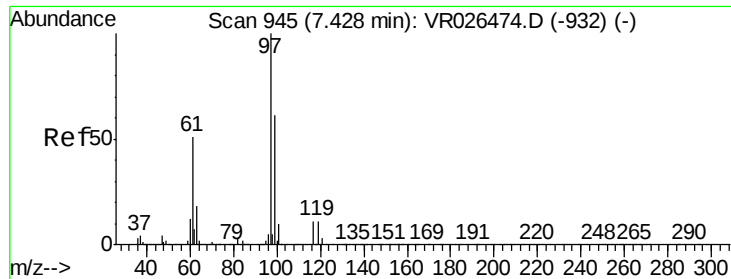
Tgt Ion: 83 Resp: 377437
Ion Ratio Lower Upper
83 100
85 62.2 44.2 82.0



#27
1,2-Dichloroethane
Concen: 4.930 ug/L
RT: 7.99 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

Tgt Ion: 62 Resp: 180605
Ion Ratio Lower Upper
62 100
98 6.4 4.8 7.2

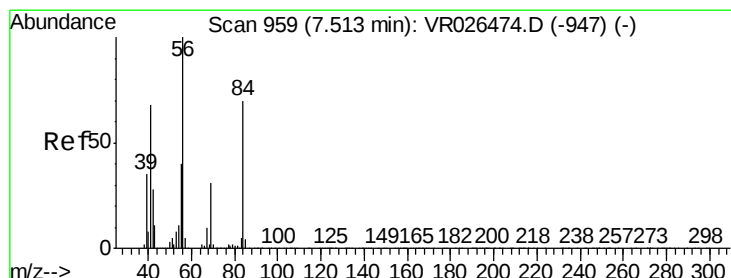
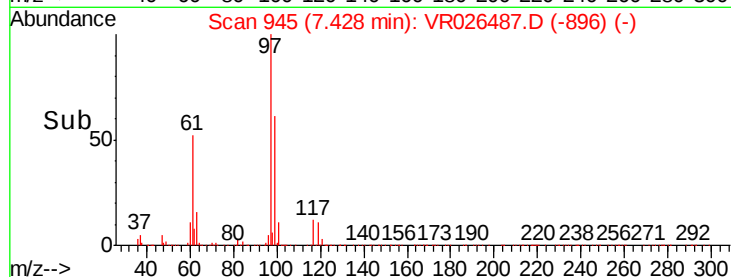
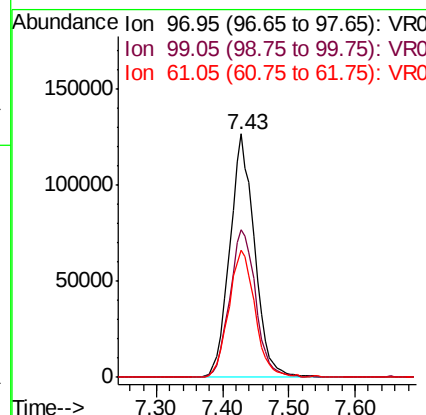
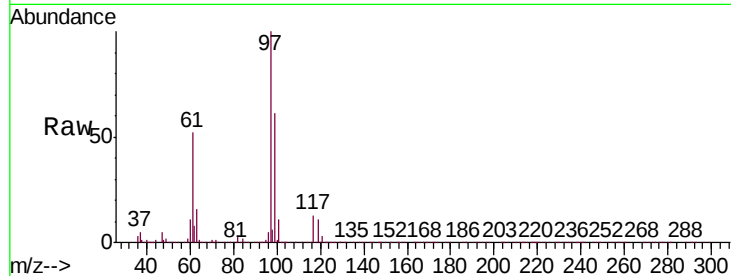




#29
1,1,1-Trichloroethane
Concen: 4.901 ug/L
RT: 7.43 min Scan# 945
Delta R.T. -0.00 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

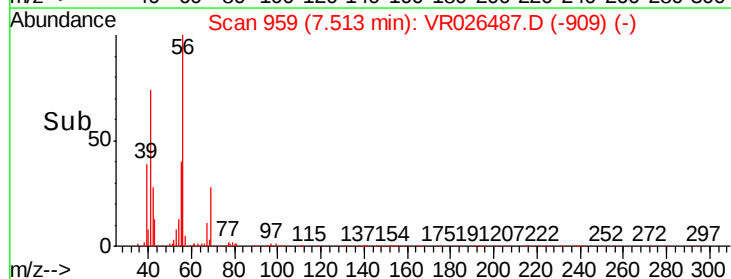
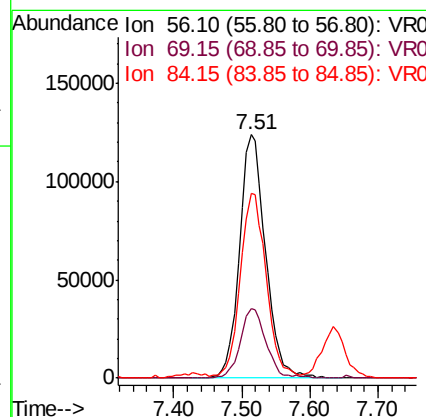
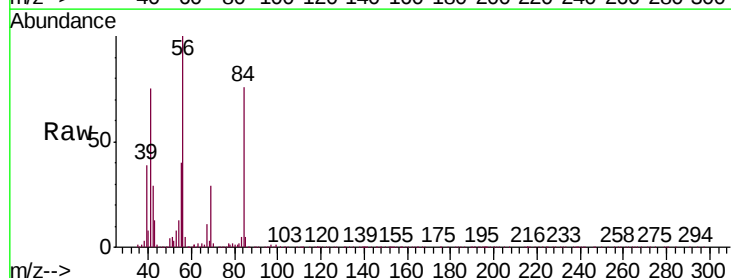
Instrument :
MSVOA_R
ClientSampleId :
VSTD00562

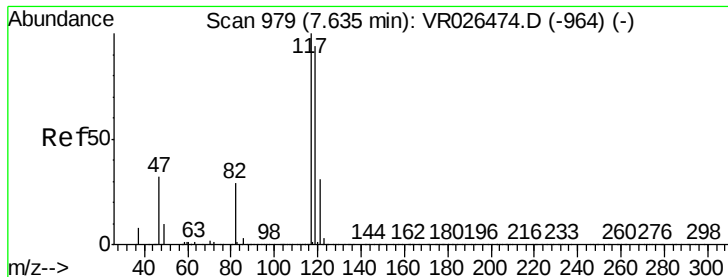
Tgt Ion:	97	Resp:	327734
Ion	Ratio	Lower	Upper
97	100		
99	63.9	49.6	74.4
61	54.9	41.8	62.6



#30
Cyclohexane
Concen: 5.277 ug/L
RT: 7.51 min Scan# 959
Delta R.T. 0.01 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

Tgt Ion:	56	Resp:	327830
Ion	Ratio	Lower	Upper
56	100		
69	28.1	22.6	33.8
84	75.3	59.6	89.4





#31

Carbon tetrachloride

Concen: 5.117 ug/L

RT: 7.63 min Scan# 979

Delta R.T. 0.01 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

Instrument :

MSVOA_R

ClientSampleId :

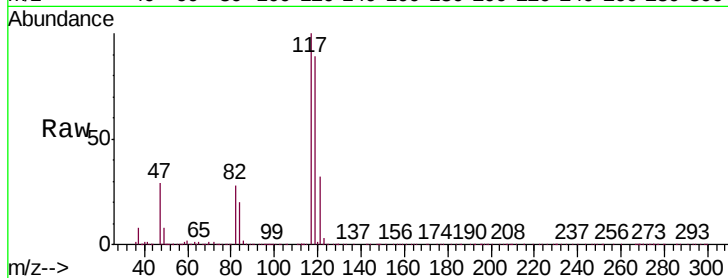
VSTD00562

Tgt Ion:117 Resp: 324155

Ion Ratio Lower Upper

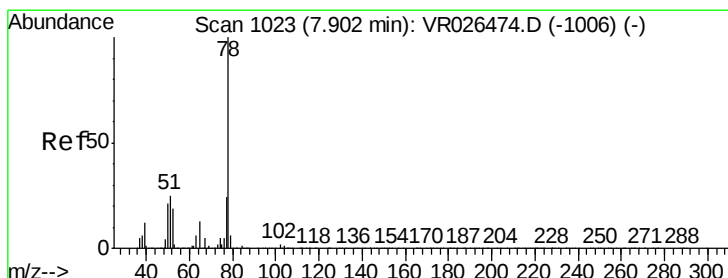
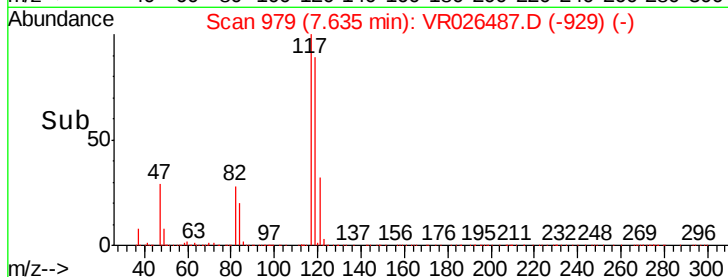
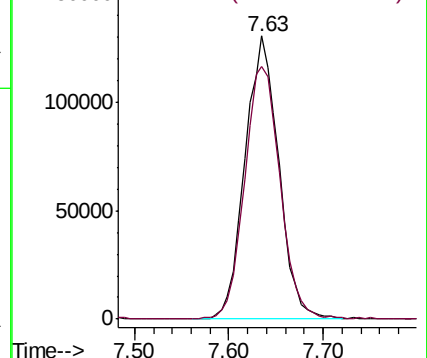
117 100

119 94.3 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.299 ug/L

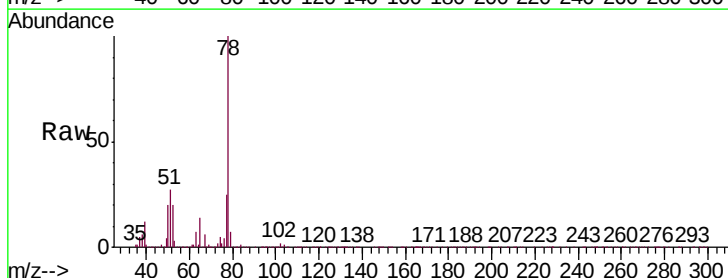
RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

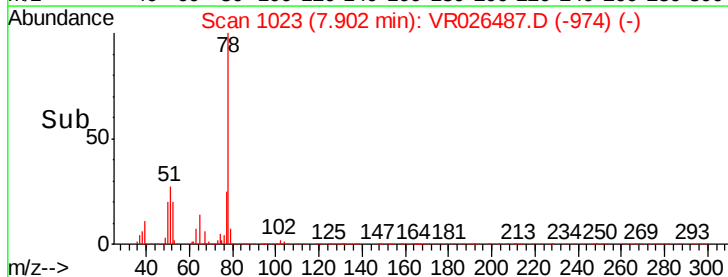
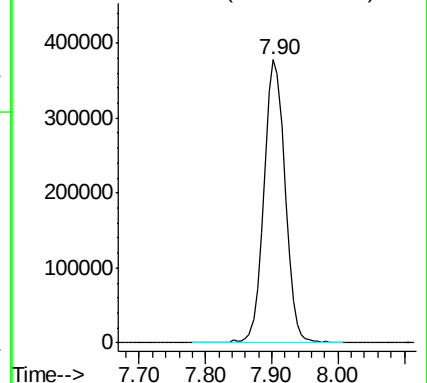
Lab File: VR026487.D

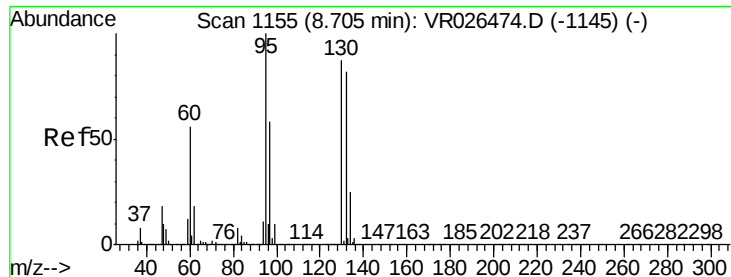
Acq: 7 Apr 2019 10:05

Tgt Ion: 78 Resp: 838936



Abundance Ion 78.10 (77.80 to 78.80): VR0

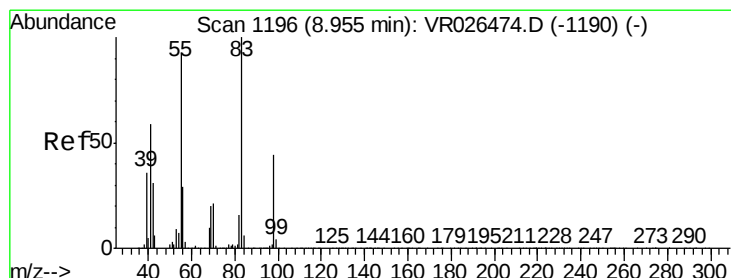
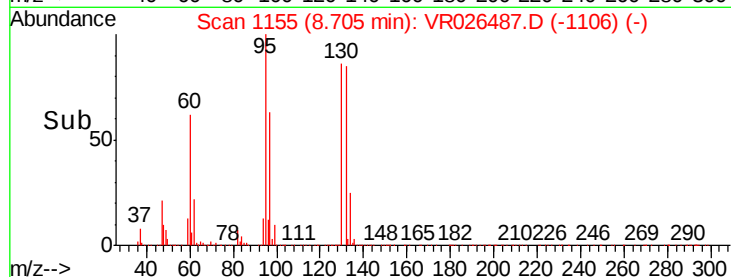
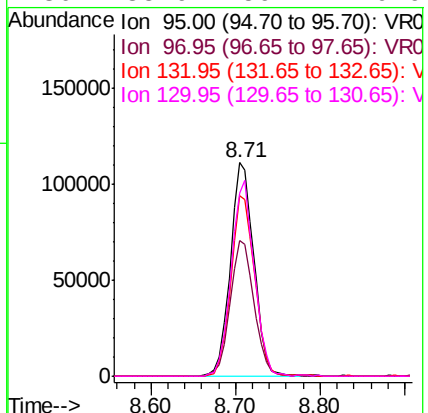
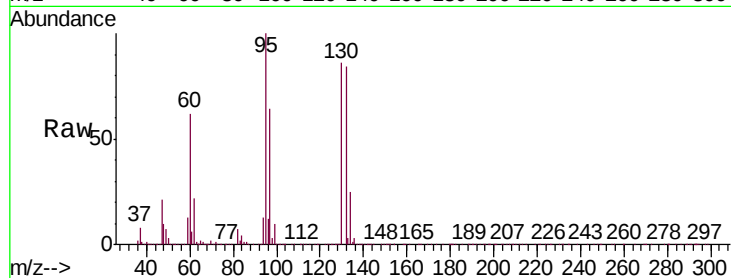




#34
 Trichloroethene
 Concen: 4.933 ug/L
 RT: 8.71 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

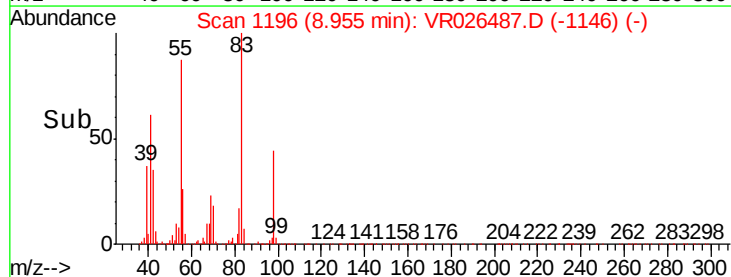
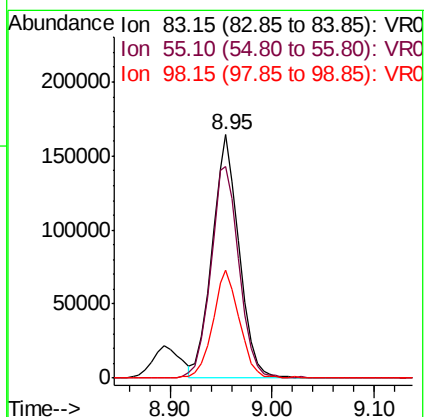
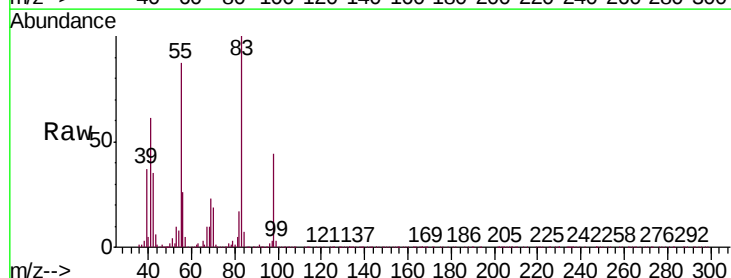
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00562

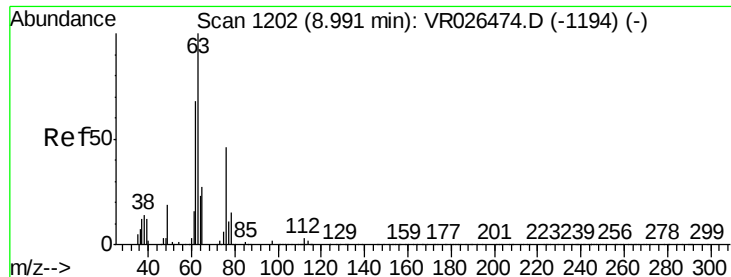
Tgt Ion:	95	Resp:	209188
Ion	Ratio	Lower	Upper
95	100		
97	63.6	43.8	81.3
132	84.5	57.2	106.2
130	85.9	59.7	110.9



#35
 Methylcyclohexane
 Concen: 4.969 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. 0.01 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

Tgt Ion:	83	Resp:	300536
Ion	Ratio	Lower	Upper
83	100		
55	91.4	73.8	110.6
98	44.6	34.6	51.8

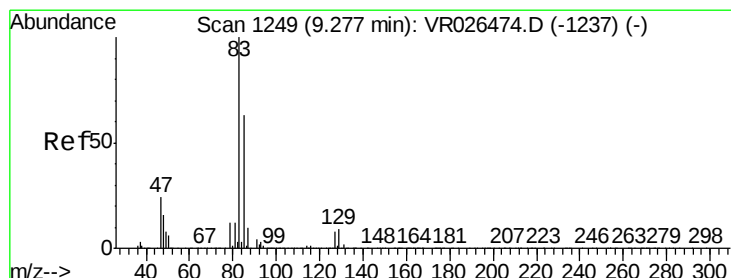
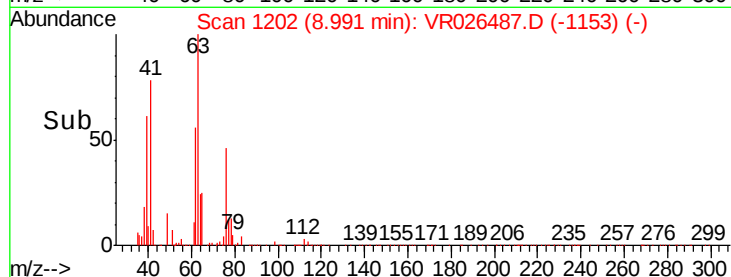
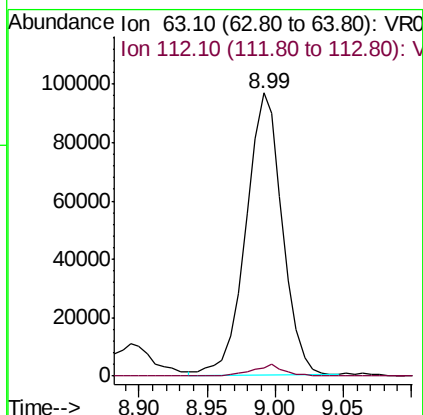
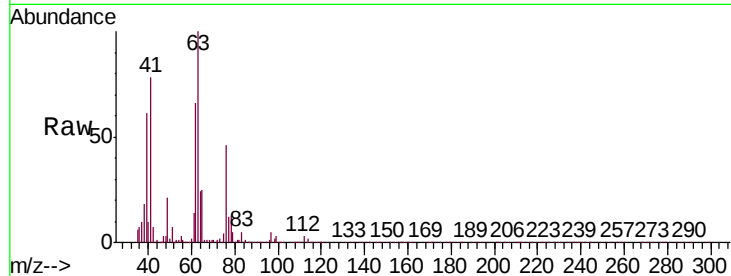




#37
 1,2-Dichloropropane
 Concen: 5.182 ug/L
 RT: 8.99 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

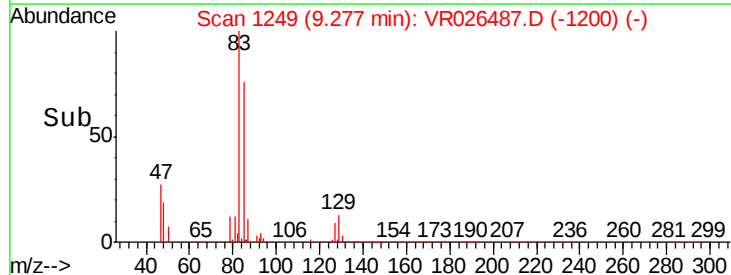
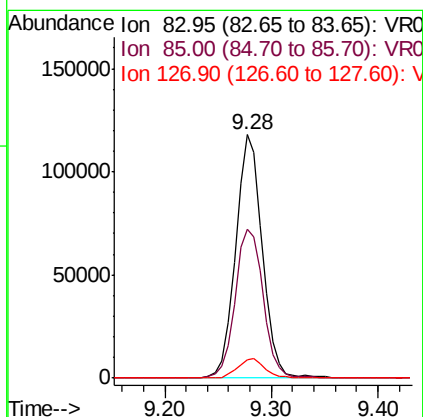
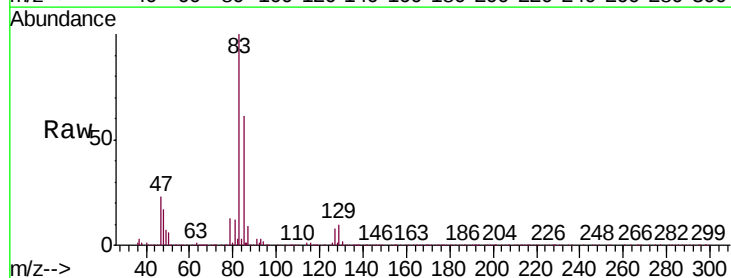
Instrument :
 MSVOA_R
 ClientSampled :
 VSTD00562

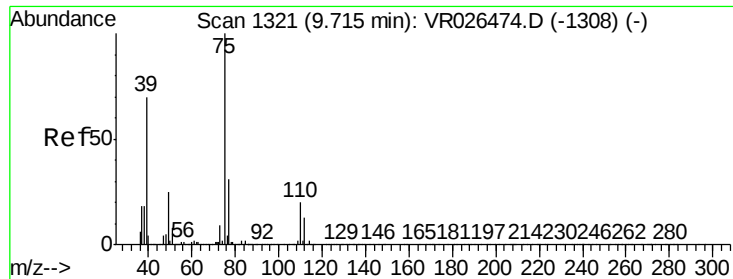
Tgt Ion: 63 Resp: 179793
 Ion Ratio Lower Upper
 63 100
 112 3.9 2.8 4.2



#38
 Bromodichloromethane
 Concen: 5.125 ug/L
 RT: 9.28 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

Tgt Ion: 83 Resp: 205474
 Ion Ratio Lower Upper
 83 100
 85 61.0 46.6 86.6
 127 7.5 5.6 8.4



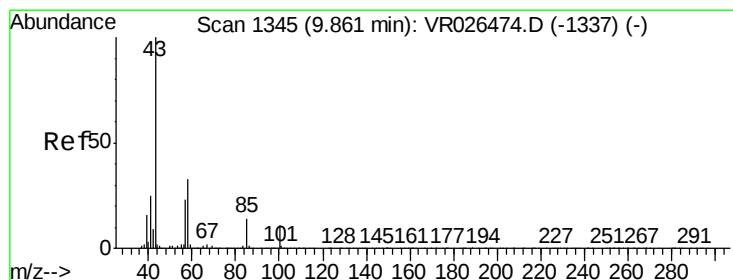
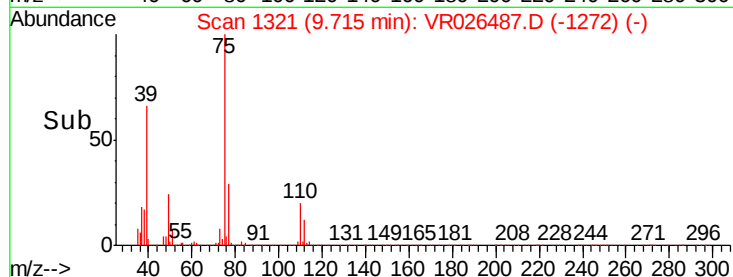
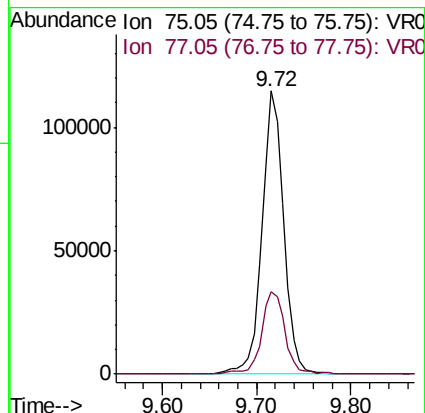
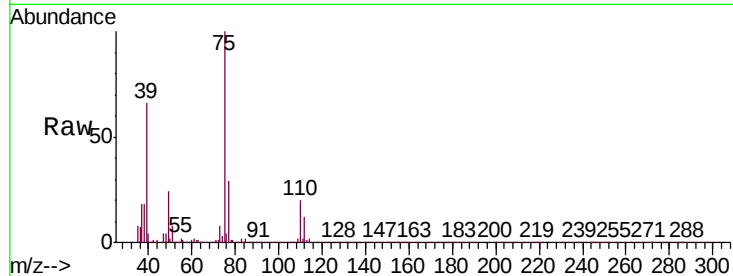


#39

cis-1,3-Dichloropropene
 Concen: 4.921 ug/L
 RT: 9.72 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00562

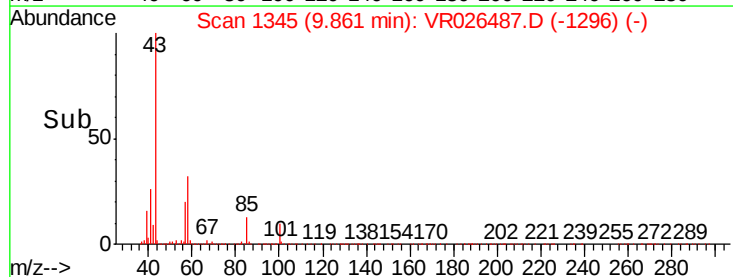
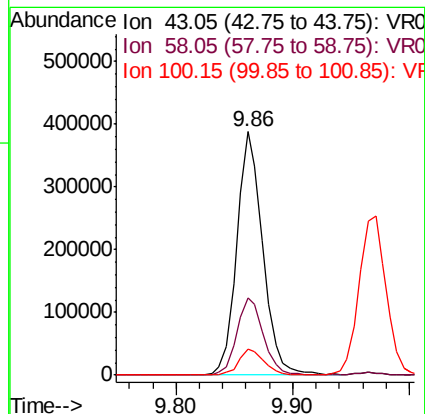
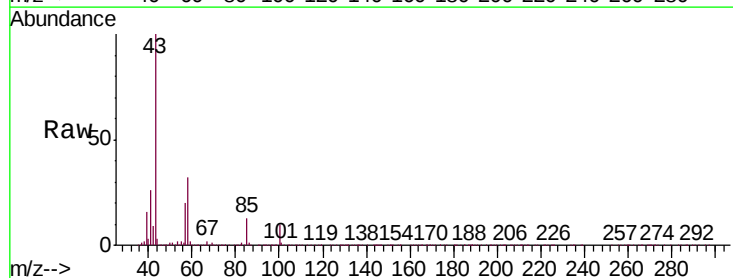
Tgt Ion: 75 Resp: 185336
 Ion Ratio Lower Upper
 75 100
 77 29.2 22.3 41.5

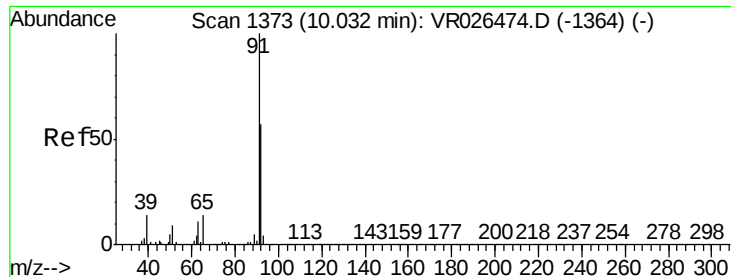


#40

4-Methyl-2-pentanone
 Concen: 59.161 ug/L
 RT: 9.86 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

Tgt Ion: 43 Resp: 601463
 Ion Ratio Lower Upper
 43 100
 58 32.4 27.0 40.4
 100 10.4 8.9 13.3





#42

Toluene

Concen: 5.580 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

Instrument :

MSVOA_R

ClientSampleId :

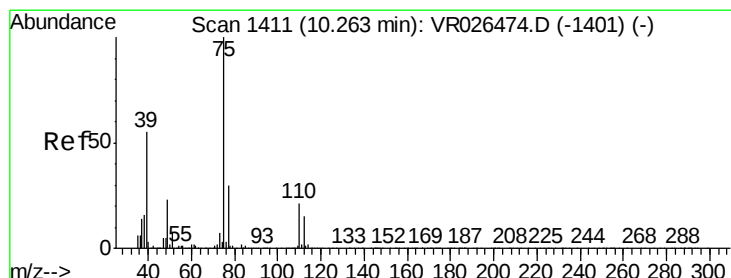
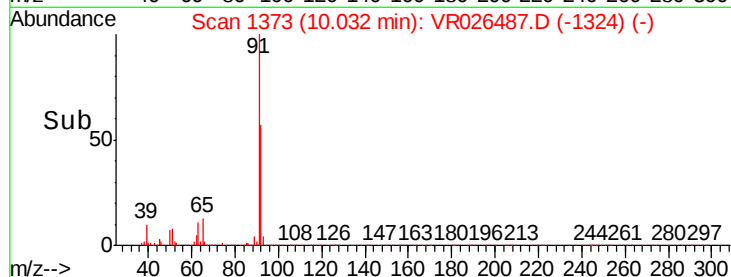
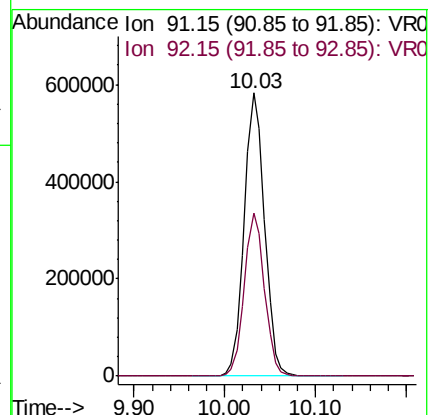
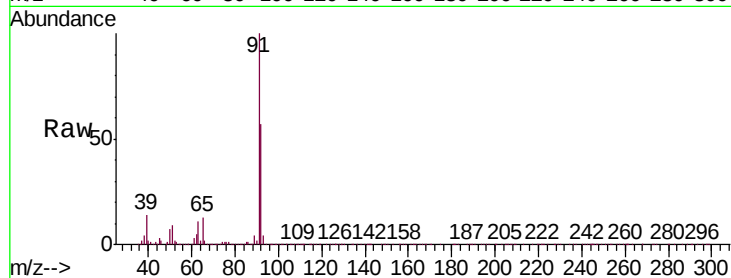
VSTD00562

Tgt Ion: 91 Resp: 905325

Ion Ratio Lower Upper

91 100

92 57.5 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 4.646 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR026487.D

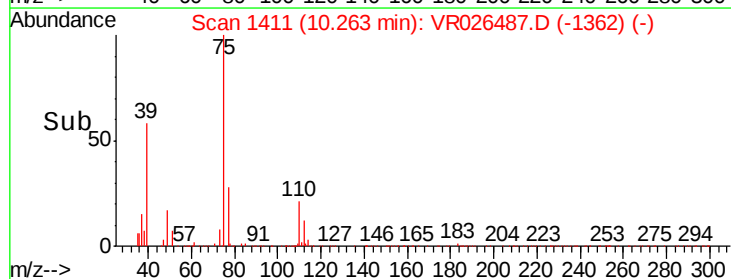
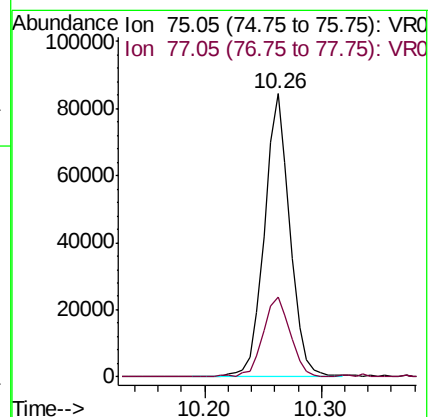
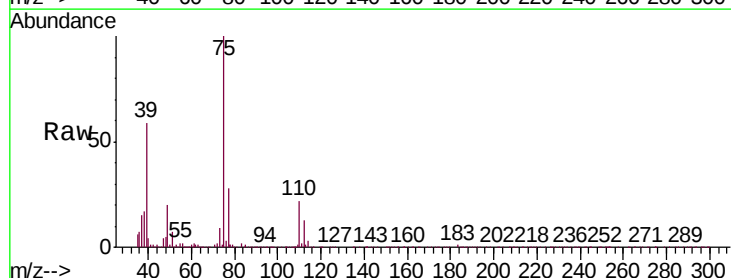
Acq: 7 Apr 2019 10:05

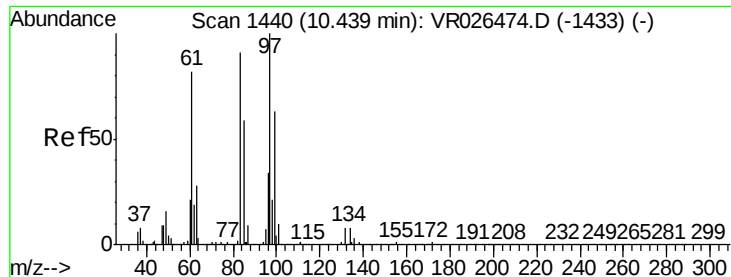
Tgt Ion: 75 Resp: 127638

Ion Ratio Lower Upper

75 100

77 28.3 22.7 42.1

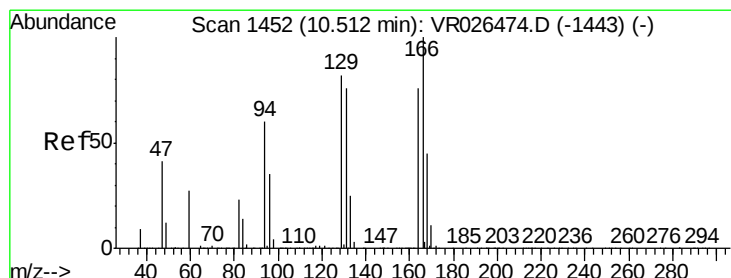
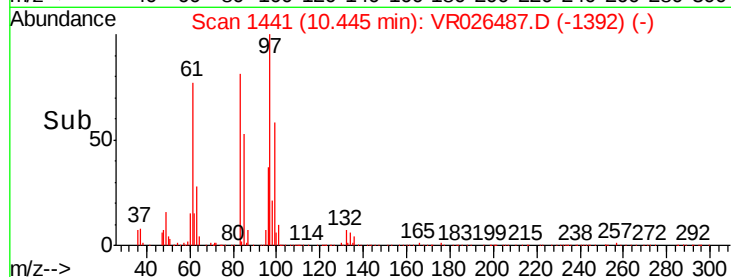
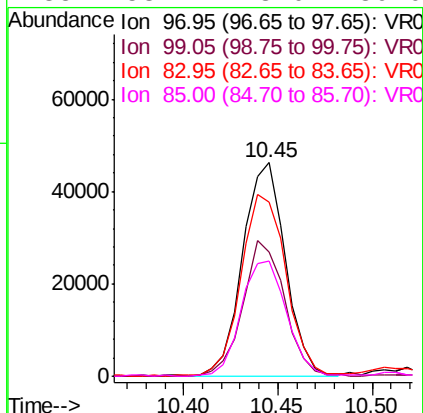
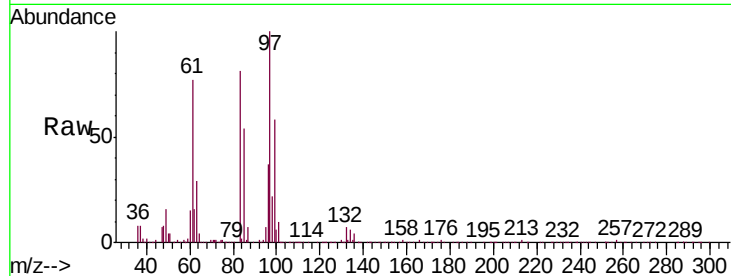




#45
 1,1,2-Trichloroethane
 Concen: 5.169 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

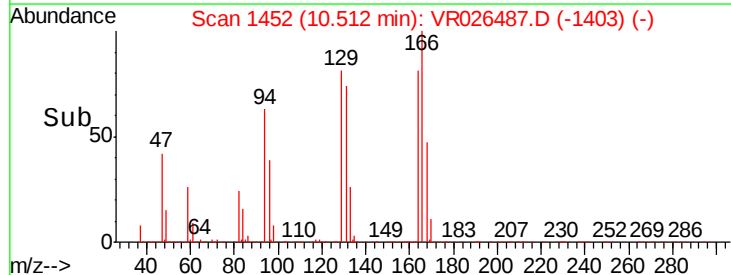
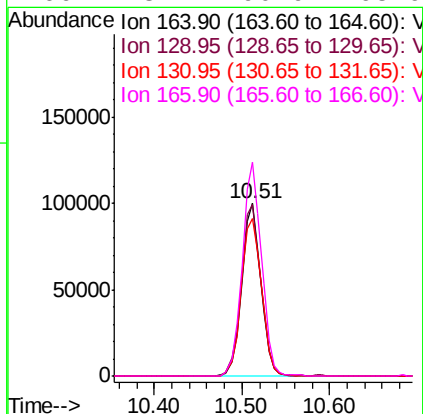
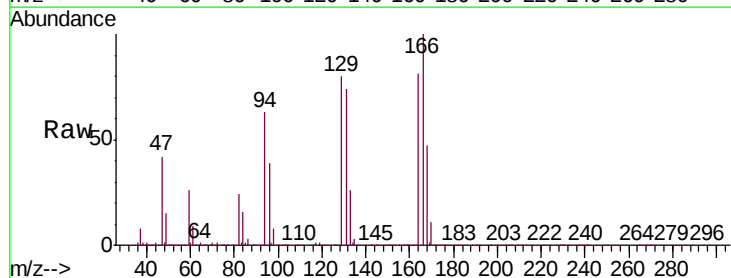
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00562

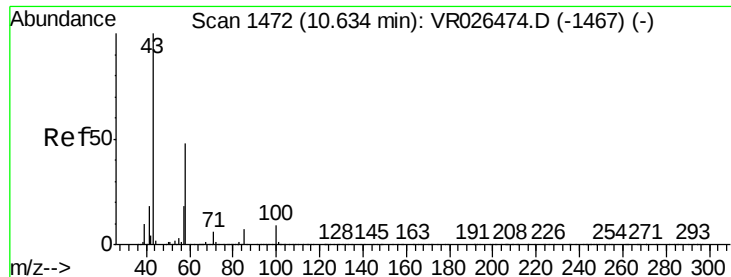
Tgt Ion:	97	Resp:	72545
Ion	Ratio	Lower	Upper
97	100		
99	58.2	41.7	77.5
83	81.4	59.5	110.5
85	53.7	43.0	80.0



#47
 Tetrachloroethene
 Concen: 5.002 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

Tgt Ion:	164	Resp:	150949
Ion	Ratio	Lower	Upper
164	100		
129	99.5	74.1	137.5
131	91.4	71.3	132.5
166	123.7	90.9	168.9

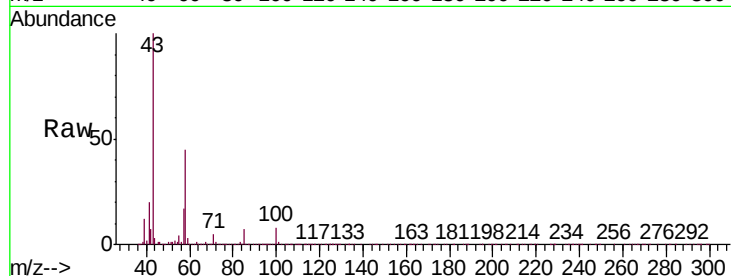




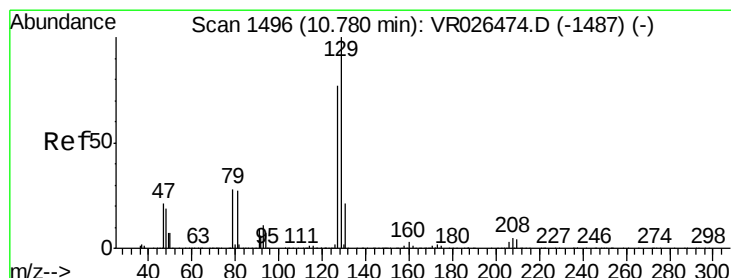
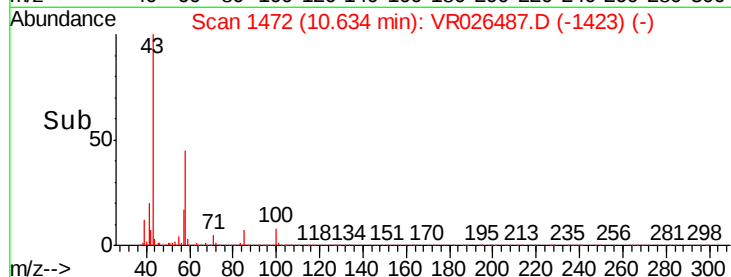
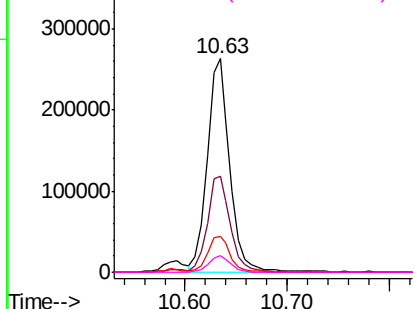
#48
2-Hexanone
Concen: 59.389 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

Instrument :
MSVOA_R
ClientSampleId :
VSTD00562

Tgt Ion:	43	Resp:	401604
Ion	Ratio	Lower	Upper
43	100		
58	47.4	38.2	57.2
57	17.2	13.8	20.6
100	7.7	6.2	9.2

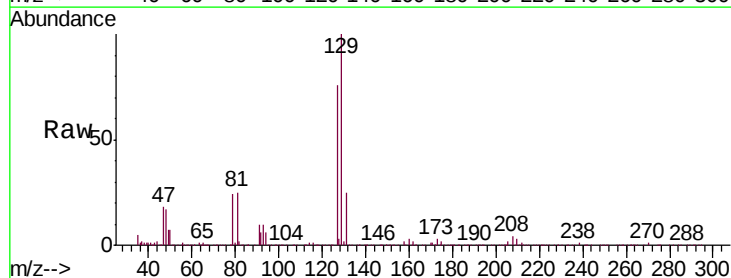


Abundance Ion 43.05 (42.75 to 43.75): VR0
Ion 58.05 (57.75 to 58.75): VR0
Ion 57.20 (56.90 to 57.90): VR0
Ion 100.15 (99.85 to 100.85): VR0

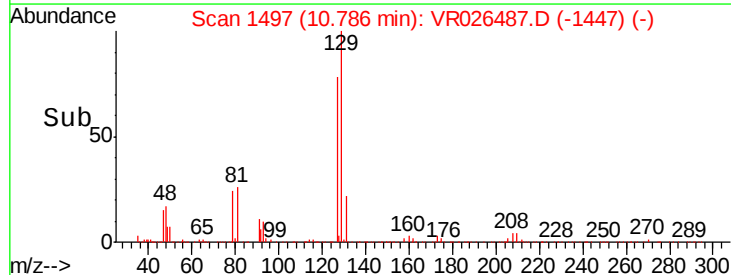
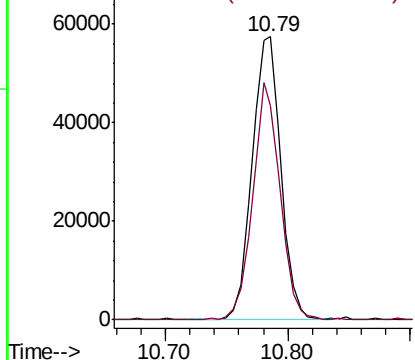


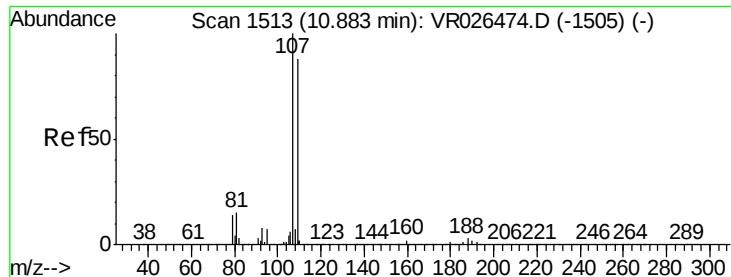
#49
Dibromochloromethane
Concen: 5.115 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. 0.01 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

Tgt Ion:	129	Resp:	94035
Ion	Ratio	Lower	Upper
129	100		
127	75.9	50.2	93.2



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

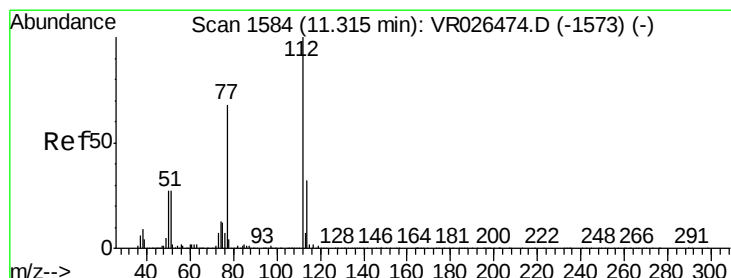
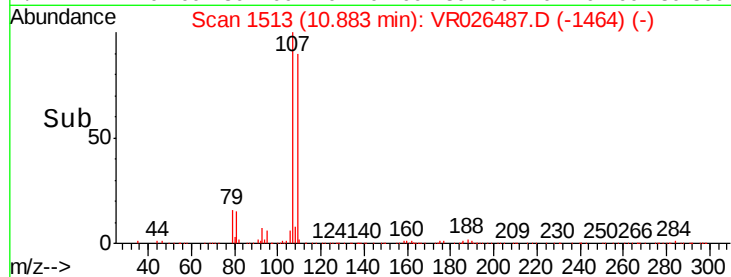
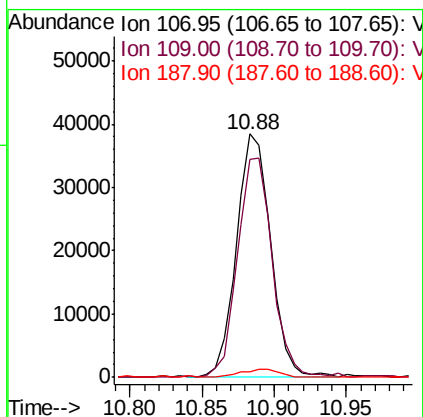
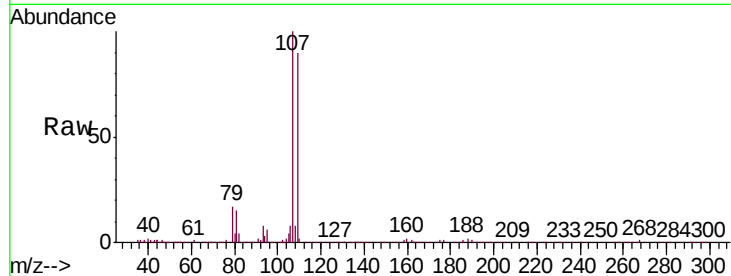




#50
1,2-Dibromoethane
Concen: 5.258 ug/L
RT: 10.88 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

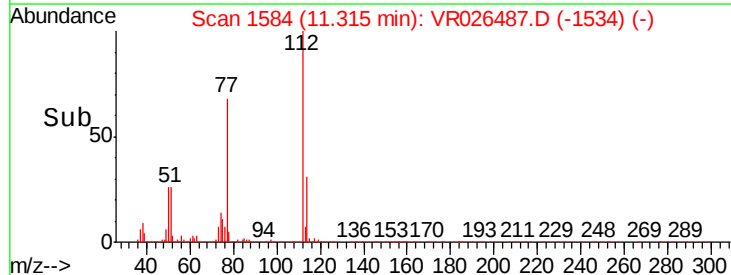
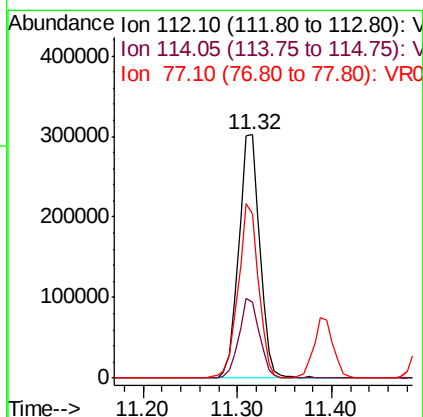
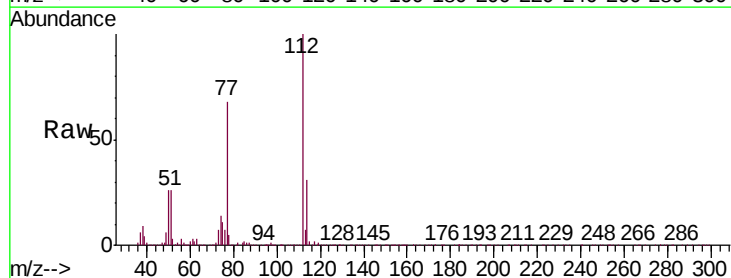
Instrument :
MSVOA_R
ClientSampleId :
VSTD00562

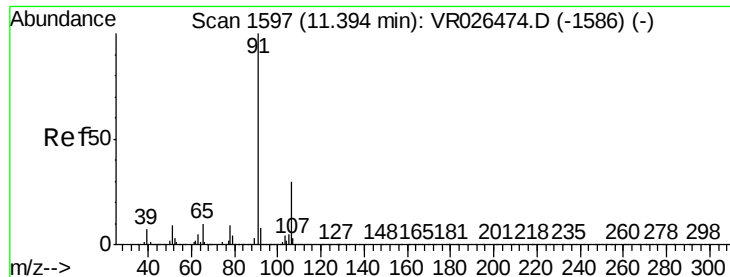
Tgt Ion:107 Resp: 63474
Ion Ratio Lower Upper
107 100
109 89.6 66.8 124.2
188 2.2 2.8 4.2#



#51
Chlorobenzene
Concen: 5.155 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VR026487.D
Acq: 7 Apr 2019 10:05

Tgt Ion:112 Resp: 469332
Ion Ratio Lower Upper
112 100
114 31.3 23.1 42.9
77 67.6 53.8 80.8





#52

Ethylbenzene

Concen: 5.536 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. 0.01 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

Instrument :

MSVOA_R

ClientSampleId :

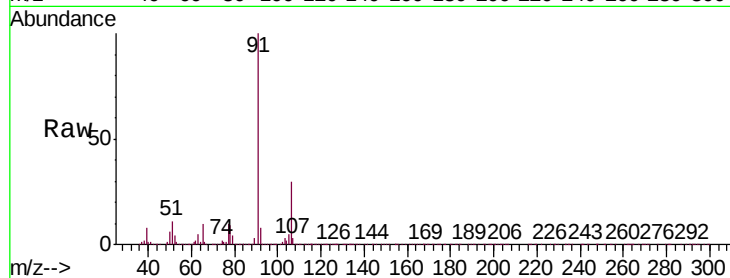
VSTD00562

Tgt Ion: 91 Resp: 1034812

Ion Ratio Lower Upper

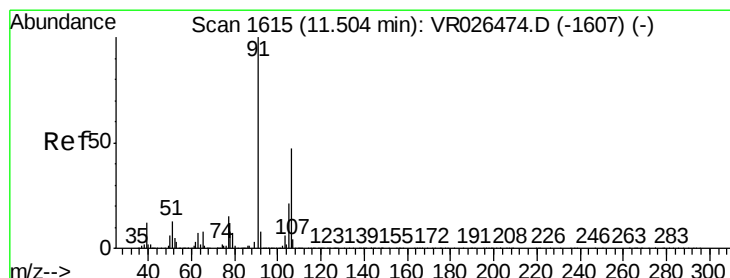
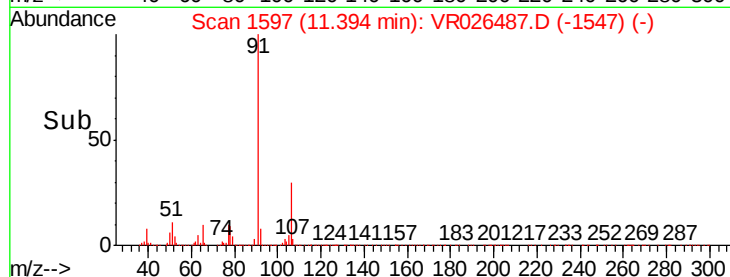
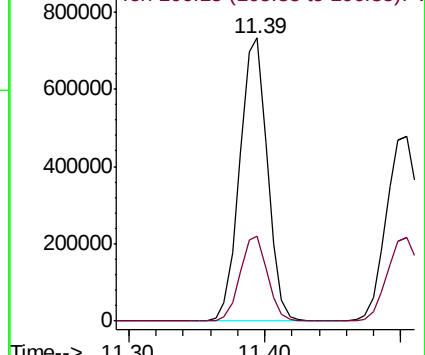
91 100

106 30.0 20.7 38.5



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 106.15 (105.85 to 106.85): V



#53

m,p-Xylene

Concen: 5.465 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. 0.01 min

Lab File: VR026487.D

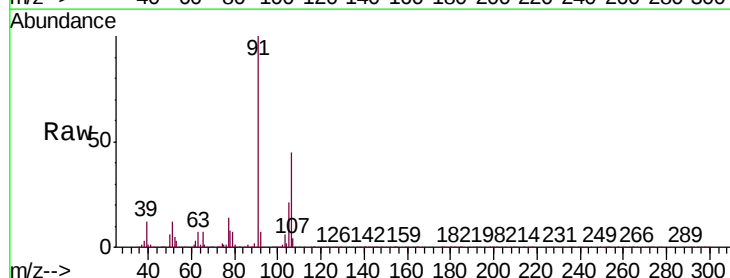
Acq: 7 Apr 2019 10:05

Tgt Ion: 106 Resp: 366109

Ion Ratio Lower Upper

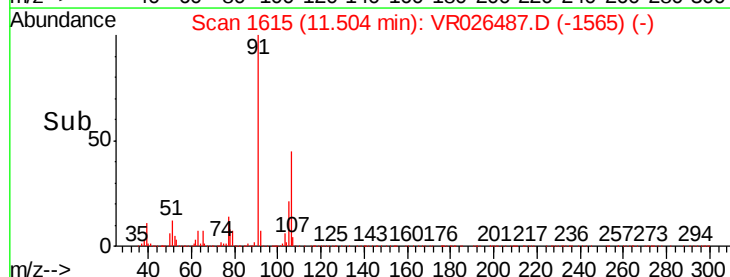
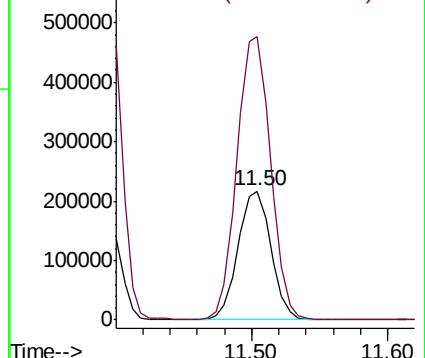
106 100

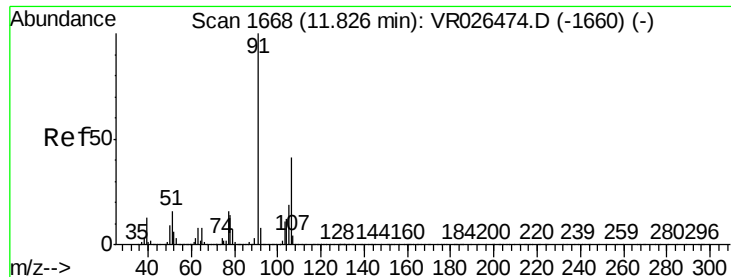
91 220.3 155.6 289.0



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0





#54

o-Xylene

Concen: 5.690 ug/L

RT: 11.83 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

Instrument :

MSVOA_R

ClientSampleId :

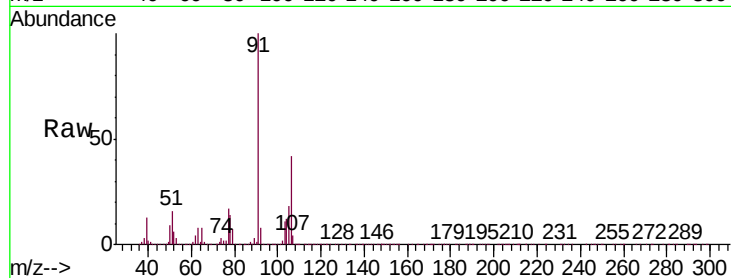
VSTD00562

Tgt Ion:106 Resp: 334949

Ion Ratio Lower Upper

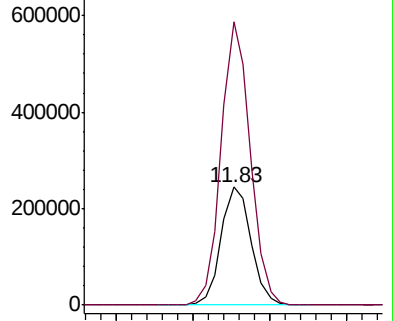
106 100

91 239.6 166.2 308.6

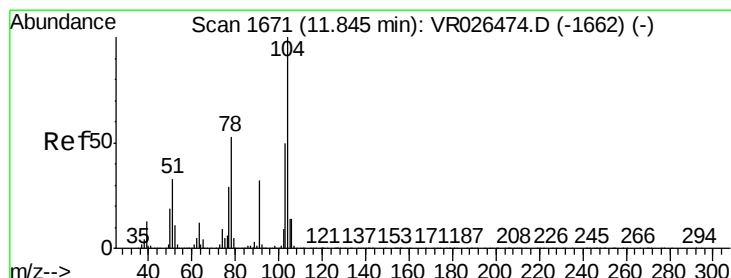
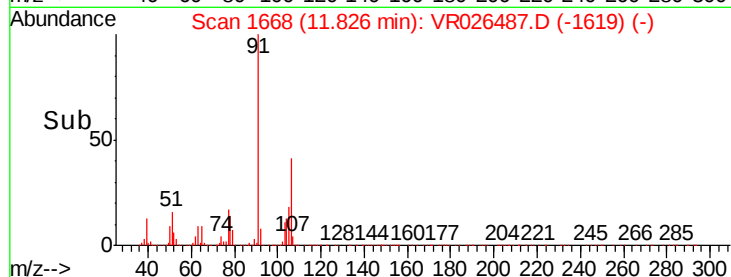


Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VR0



Time--> 11.75 11.80 11.85 11.90



#55

Styrene

Concen: 5.673 ug/L

RT: 11.84 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VR026487.D

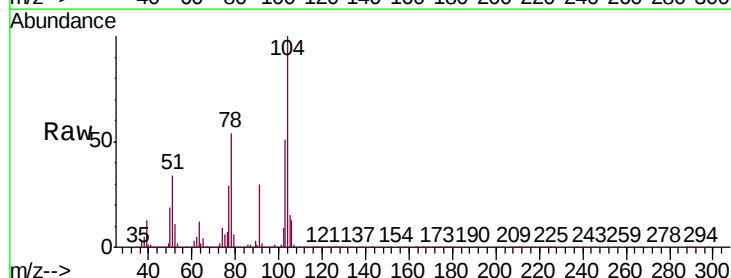
Acq: 7 Apr 2019 10:05

Tgt Ion:104 Resp: 527171

Ion Ratio Lower Upper

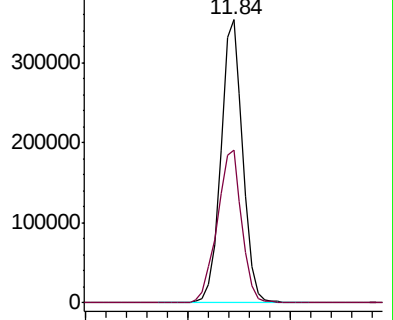
104 100

78 54.2 35.2 65.4

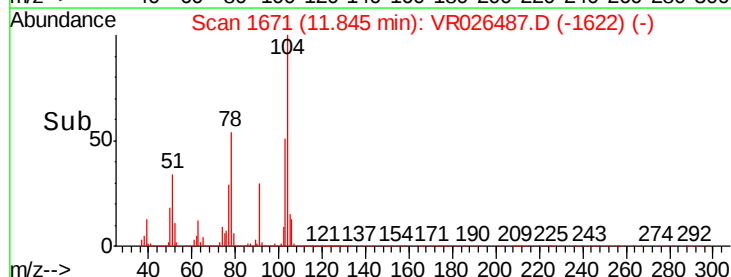


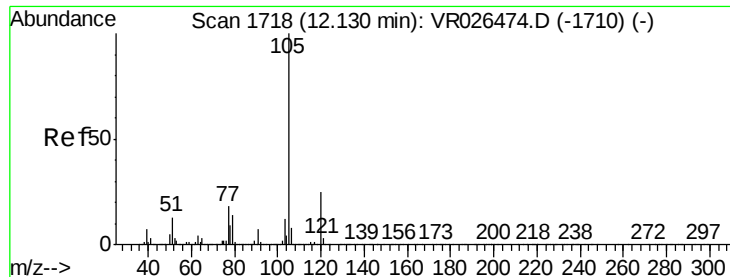
Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VR0



Time--> 11.70 11.80 11.90





#56

Isopropylbenzene

Concen: 5.799 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

Instrument :

MSVOA_R

ClientSampleId :

VSTD00562

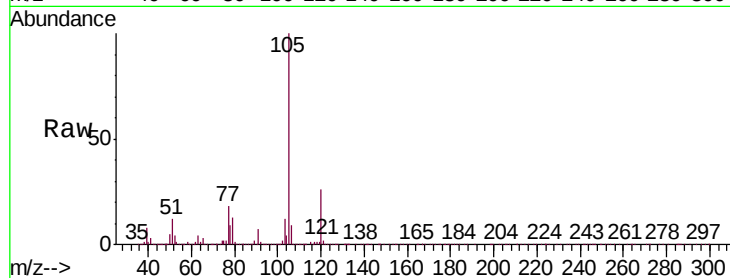
Tgt Ion: 105 Resp: 968860

Ion Ratio Lower Upper

105 100

120 25.0 20.2 30.2

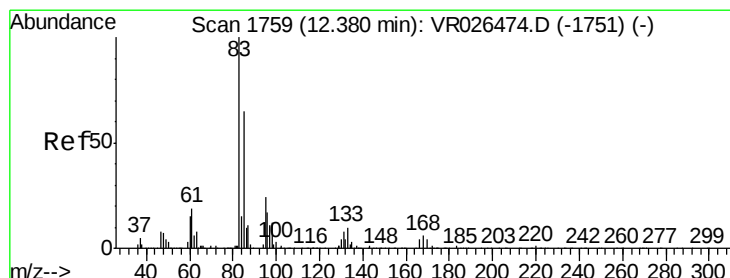
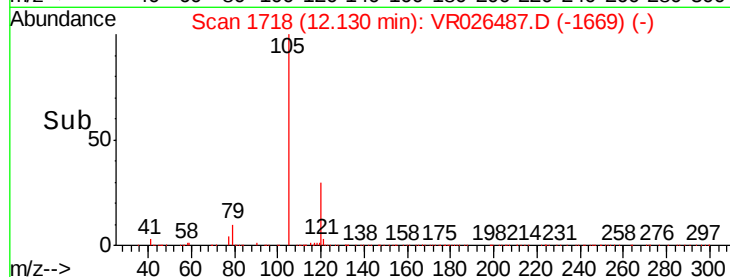
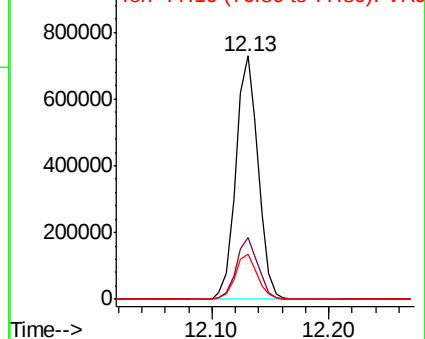
77 18.6 14.7 22.1



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.182 ug/L

RT: 12.38 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

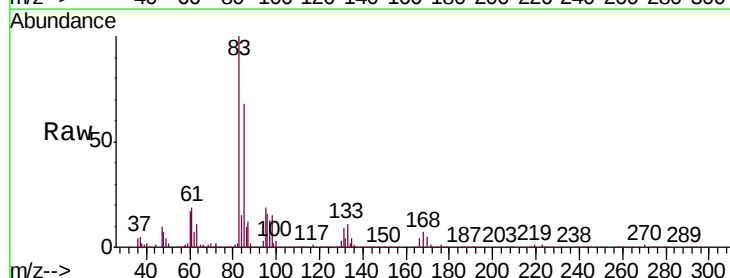
Tgt Ion: 83 Resp: 70629

Ion Ratio Lower Upper

83 100

85 67.9 45.1 83.7

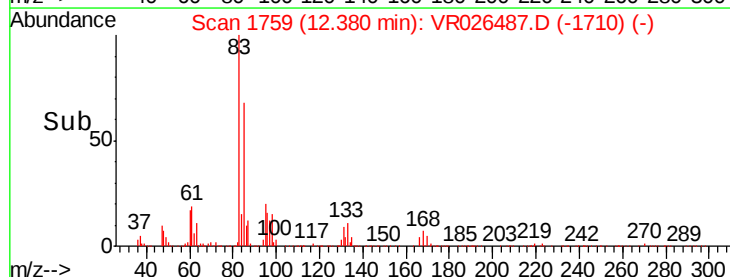
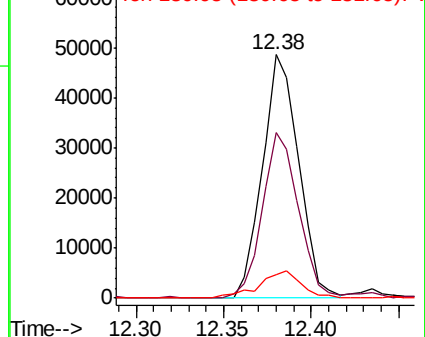
131 9.4 6.9 10.3

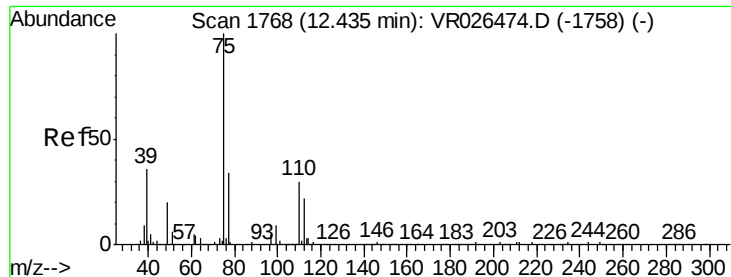


Abundance Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.259 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

Instrument :

MSVOA_R

ClientSampleId :

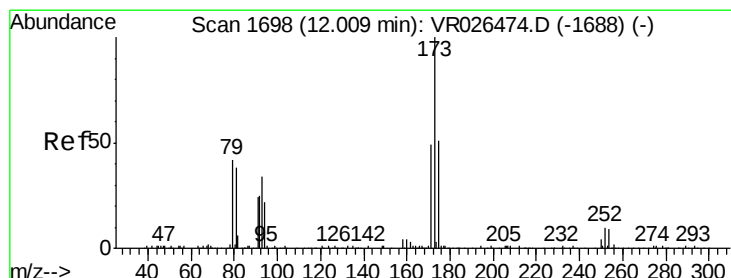
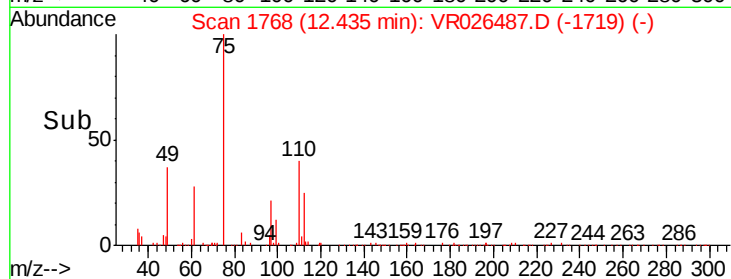
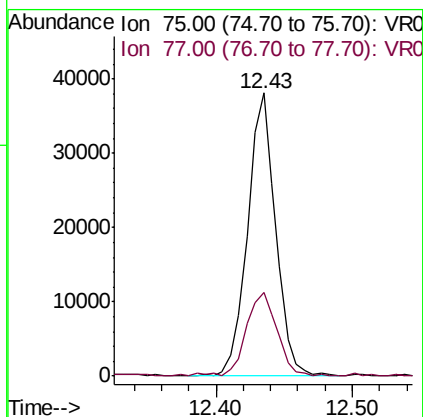
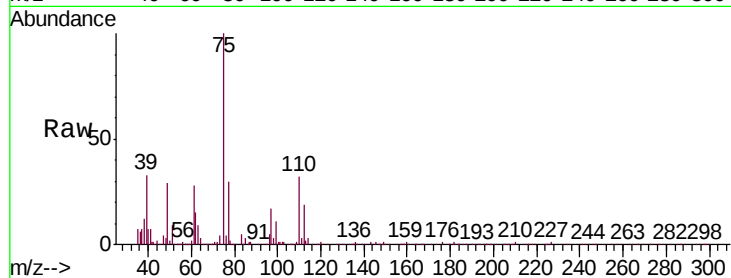
VSTD00562

Tgt Ion: 75 Resp: 54976

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4



#61

Bromoform

Concen: 4.932 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

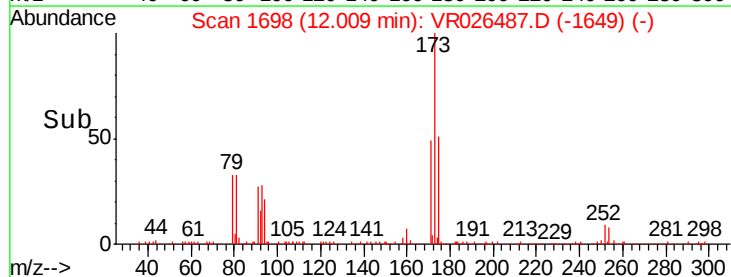
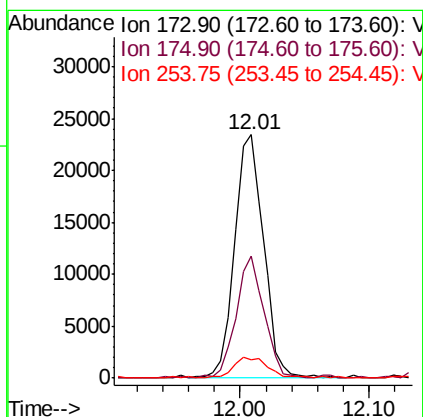
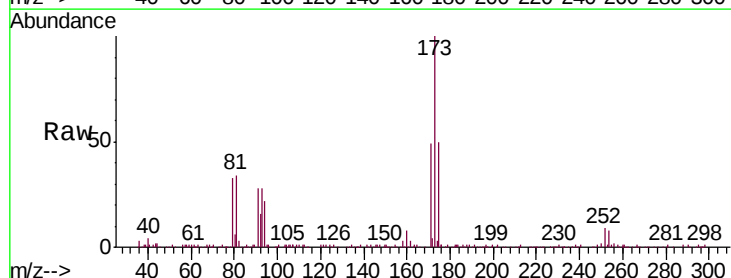
Tgt Ion: 173 Resp: 36697

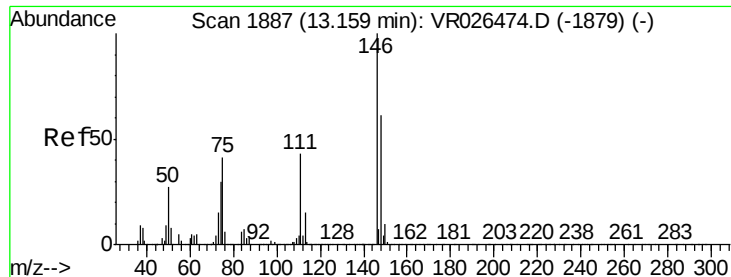
Ion Ratio Lower Upper

173 100

175 48.0 36.6 54.8

254 10.2 8.0 12.0

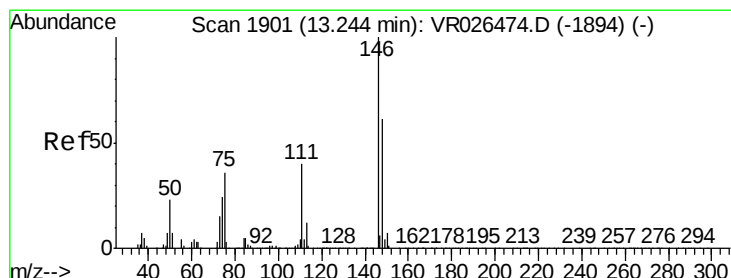
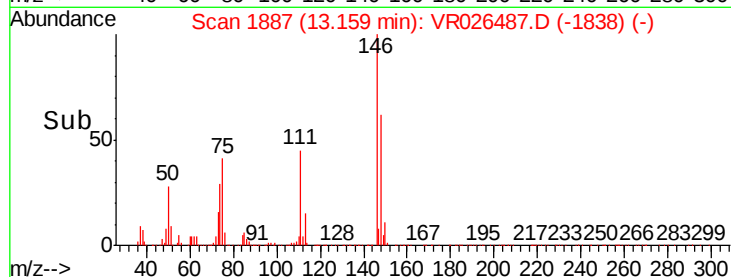
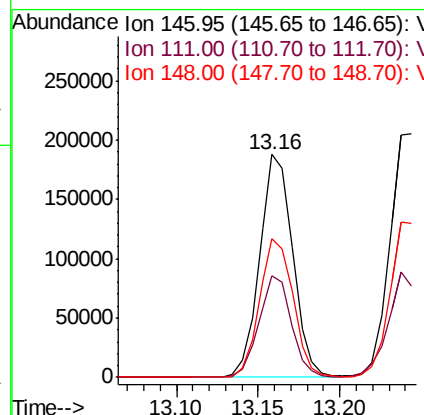
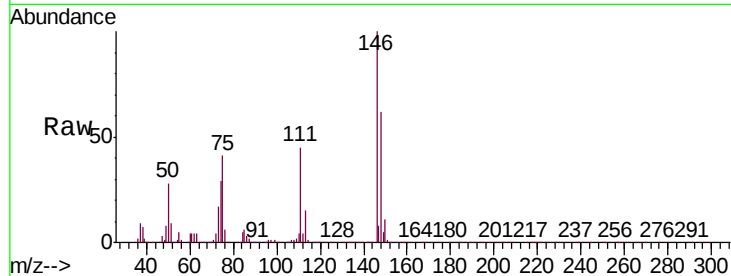




#62
 1,3-Dichlorobenzene
 Concen: 4.958 ug/L
 RT: 13.16 min Scan# 1887
 Delta R.T. -0.00 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

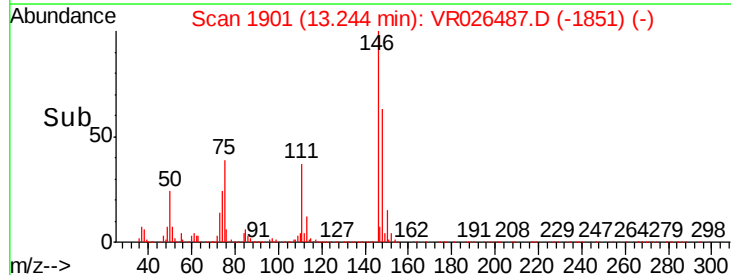
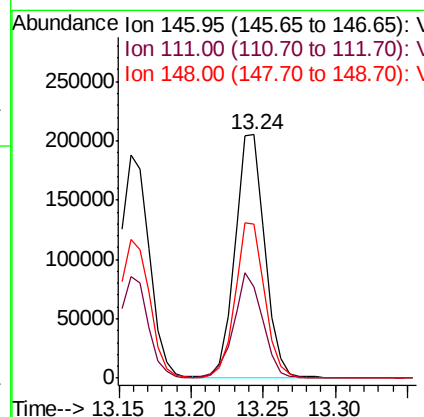
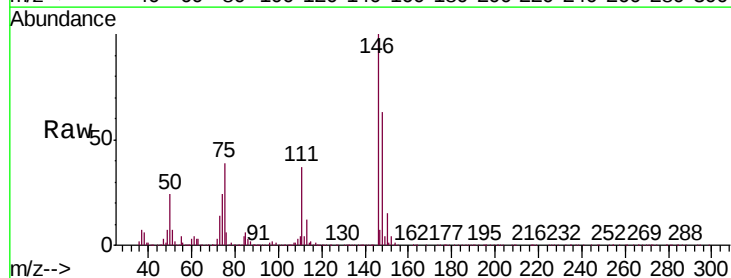
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00562

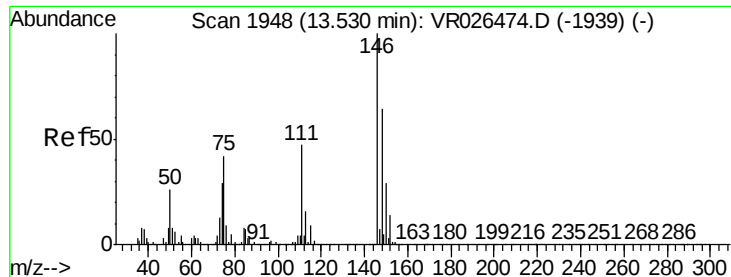
Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	30.4	56.5
148	62.4	45.4	84.2



#63
 1,4-Dichlorobenzene
 Concen: 4.938 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. 0.01 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	30.5	56.7
148	63.3	45.0	83.6

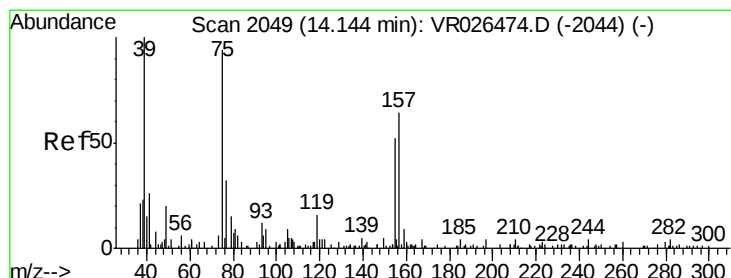
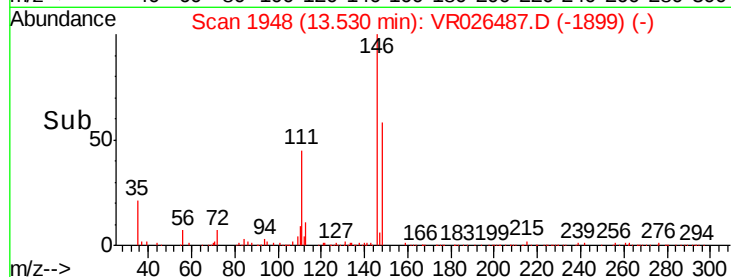
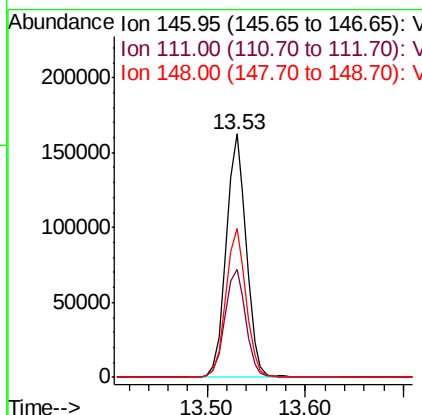
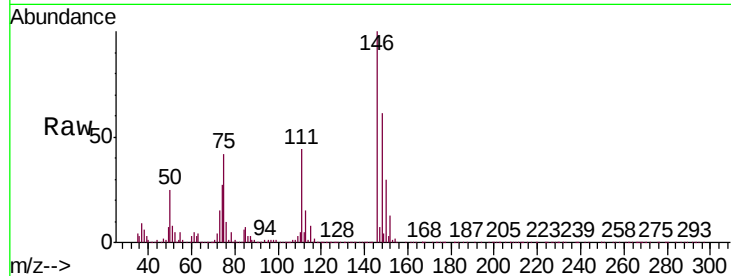




#65
 1,2-Dichlorobenzene
 Concen: 5.209 ug/L
 RT: 13.53 min Scan# 1948
 Delta R.T. -0.00 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

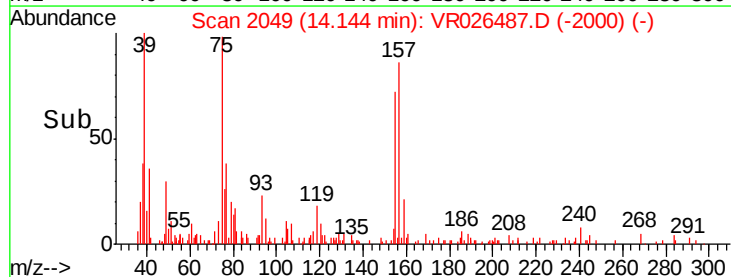
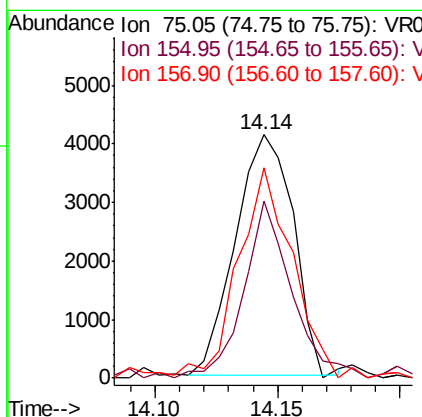
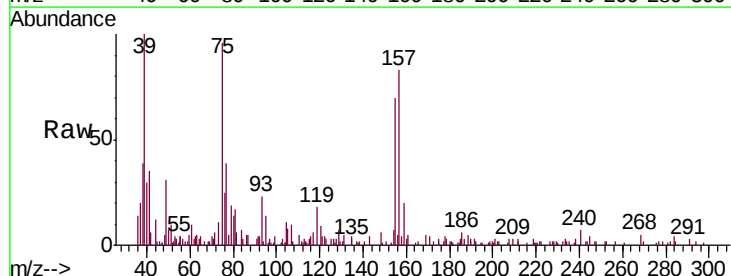
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00562

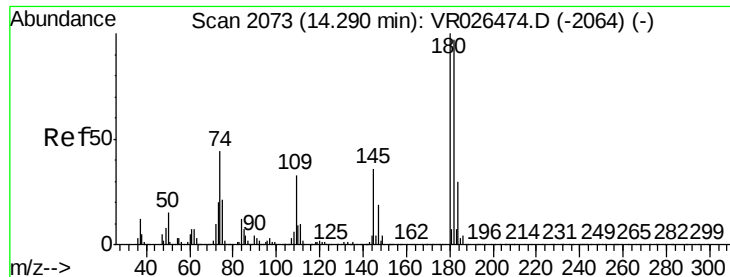
Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	35.8	53.6
148	61.3	48.9	73.3



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.967 ug/L
 RT: 14.14 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.0	36.1	54.1#
157	86.6	62.4	93.6

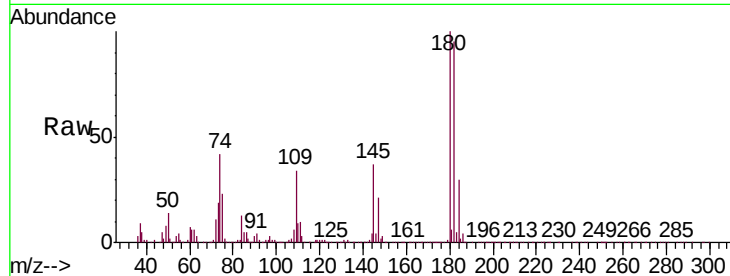




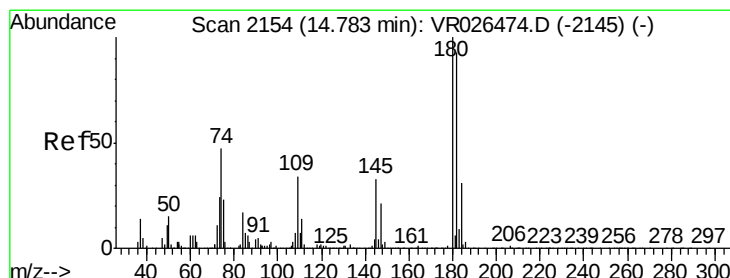
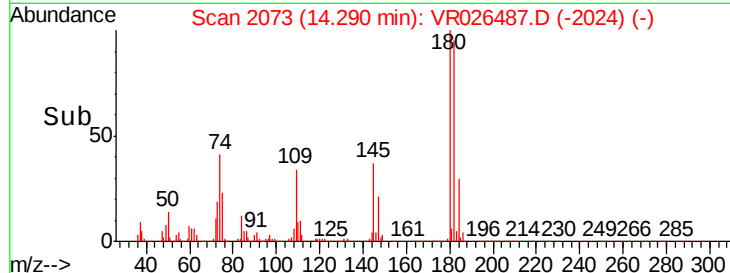
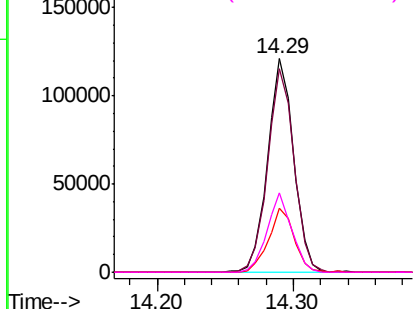
#67
 1,3,5-Trichlorobenzene
 Concen: 4.655 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00562

Tgt Ion:	180	Resp:	162566
Ion Ratio	Lower	Upper	
180	100		
182	96.7	75.8	113.6
184	29.6	25.0	37.4
145	35.3	28.0	42.0

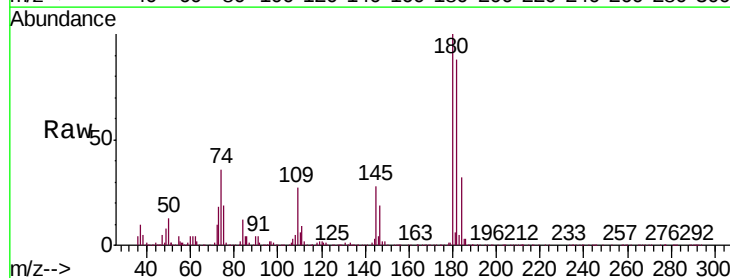


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

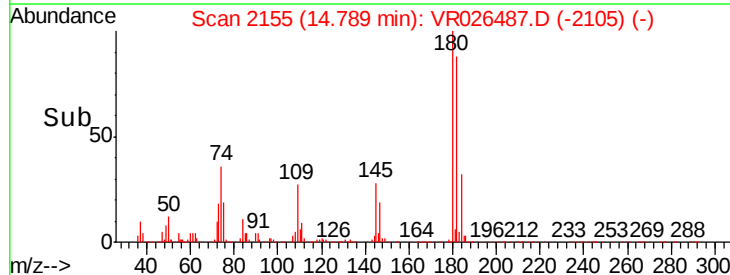
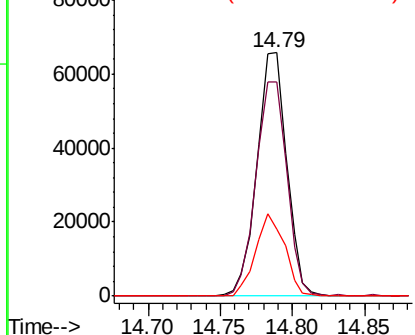


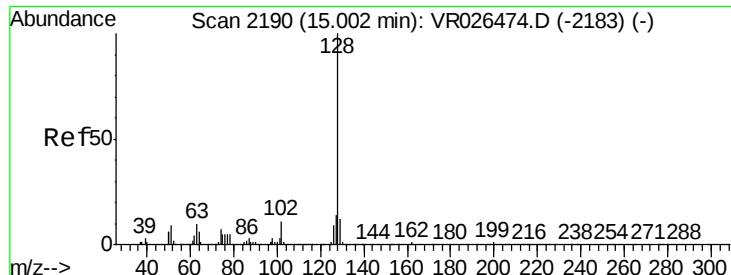
#68
 1,2,4-trichlorobenzene
 Concen: 4.839 ug/L
 RT: 14.79 min Scan# 2155
 Delta R.T. 0.01 min
 Lab File: VR026487.D
 Acq: 7 Apr 2019 10:05

Tgt Ion:	180	Resp:	93912
Ion Ratio	Lower	Upper	
180	100		
182	91.6	73.0	109.6
145	32.9	26.7	40.1



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





#69

Naphthalene

Concen: 4.829 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

Instrument :

MSVOA_R

ClientSampleId :

VSTD00562

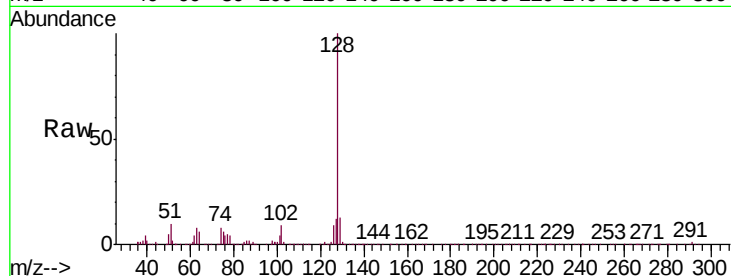
Tgt Ion:128 Resp: 88146

Ion Ratio Lower Upper

128 100

127 12.9 11.4 17.0

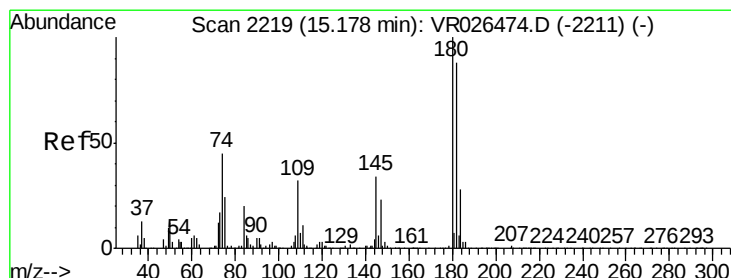
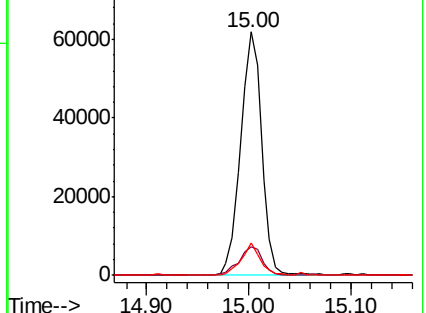
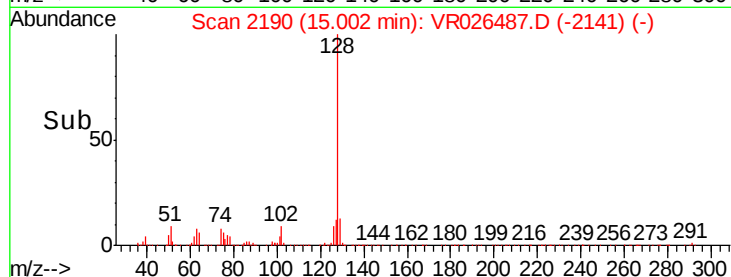
129 11.8 9.0 13.4



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: 5.412 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR026487.D

Acq: 7 Apr 2019 10:05

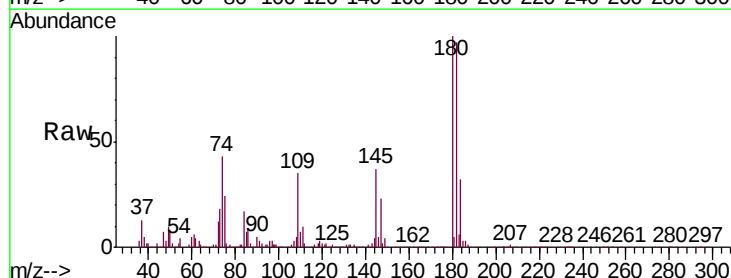
Tgt Ion:180 Resp: 72795

Ion Ratio Lower Upper

180 100

182 98.8 73.1 109.7

145 39.2 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

