

Data File : VR025854.D
Acq On : 25 Sep 2018 19:07
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

Quant Time: Sep 26 06:58:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092118WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Sep 26 06:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	360229	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	303157	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	103737	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	132174	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	2.63	69	115689	5.71	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.20%
11) 1,1-Dichloroethene-d2	3.63	63	339111	5.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	108.80%
20) 2-Butanone-d5	6.59	46	196656	57.19	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.38%
24) Chloroform-d	7.20	84	267234	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	7.90	65	117865	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	7.85	84	524568	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
36) 1,2-Dichloropropane-d6	8.90	67	152379	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	9.97	98	466724	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	10.24	79	33148	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	10.59	63	149795	52.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	64257	5.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	110.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	87278	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.84	85	168785	4.499 ug/L	99
3) Chloromethane	2.01	50	216301	5.296 ug/L	98
5) Vinyl chloride	2.17	62	210774	5.448 ug/L	100
6) Bromomethane	2.52	94	128295	5.834 ug/L	99
8) Chloroethane	2.66	64	124756	5.675 ug/L	100
9) Trichlorofluoromethane	2.94	101	109158	2.275 ug/L #	29
10) 1,1,2-Trichloro-1,2,2-trif	3.68	101	175544	6.006 ug/L	96
12) 1,1-Dichloroethene	3.64	96	177679	5.718 ug/L	85
13) Acetone	3.70	43	161847	71.327 ug/L	96
14) Carbon disulfide	3.94	76	425811	4.870 ug/L	98
15) Methyl Acetate	4.19	43	46340	6.366 ug/L	97
16) Methylene chloride	4.40	84	157680	5.644 ug/L	98
17) Methyl tert-butyl Ether	4.90	73	235158	4.327 ug/L	96
18) trans-1,2-Dichloroethene	4.88	96	157781	4.488 ug/L	97
19) 1,1-Dichloroethane	5.69	63	334802	4.658 ug/L	98
21) 2-Butanone	6.69	43	251826	53.250 ug/L	97
22) cis-1,2-Dichloroethene	6.68	96	171256	4.836 ug/L #	99

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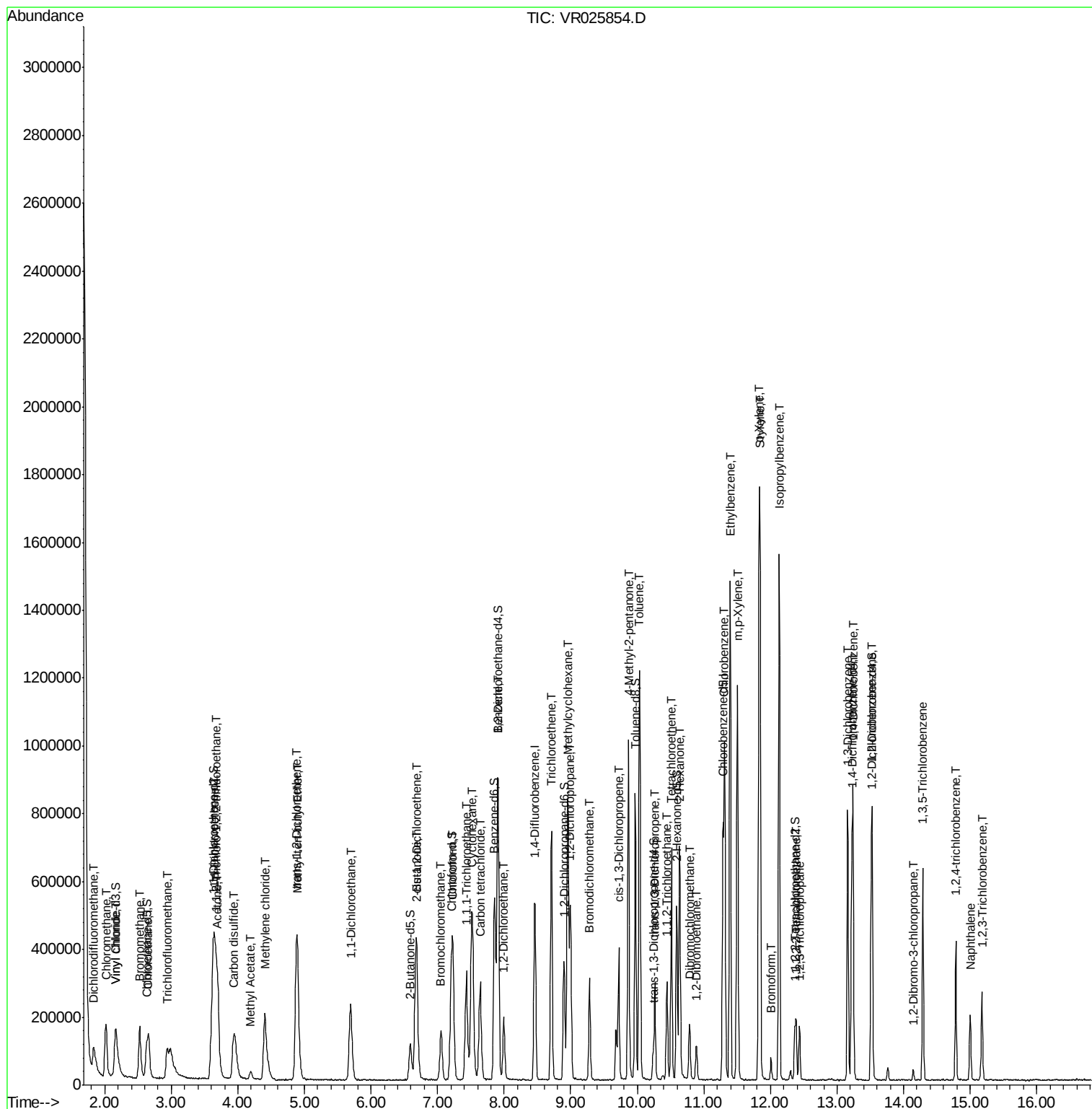
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.05	128	41649	4.463	ug/L	95
25) Chloroform	7.23	83	308252	4.664	ug/L	97
27) 1,2-Dichloroethane	7.99	62	160492	4.698	ug/L	99
29) 1,1,1-Trichloroethane	7.43	97	253263	4.136	ug/L	97
30) Cyclohexane	7.52	56	323397	4.431	ug/L	96
31) Carbon tetrachloride	7.64	117	205192	4.073	ug/L	100
33) Benzene	7.91	78	743045	4.669	ug/L	100
34) Trichloroethene	8.71	95	245897	5.821	ug/L	98
35) Methylcyclohexane	8.95	83	302566	4.368	ug/L	99
37) 1,2-Dichloropropane	9.00	63	167151	4.711	ug/L	100
38) Bromodichloromethane	9.28	83	174185	4.446	ug/L	99
39) cis-1,3-Dichloropropene	9.72	75	188512	4.339	ug/L	98
40) 4-Methyl-2-pentanone	9.87	43	636187	51.498	ug/L	99
42) Toluene	10.04	91	761333	4.694	ug/L	97
44) trans-1,3-Dichloropropene	10.26	75	126928	4.216	ug/L	94
45) 1,1,2-Trichloroethane	10.45	97	71034	4.775	ug/L	95
47) Tetrachloroethene	10.51	164	103815	4.297	ug/L	94
48) 2-Hexanone	10.63	43	418761	51.544	ug/L	96
49) Dibromochloromethane	10.79	129	69307	4.472	ug/L	96
50) 1,2-Dibromoethane	10.89	107	58205	4.446	ug/L #	98
51) Chlorobenzene	11.32	112	388345	4.564	ug/L	99
52) Ethylbenzene	11.39	91	882120	4.727	ug/L	98
53) m,p-Xylene	11.50	106	307933	4.576	ug/L	98
54) o-Xylene	11.83	106	288868	4.688	ug/L	99
55) Styrene	11.84	104	458370	4.801	ug/L	99
56) Isopropylbenzene	12.13	105	795377	4.612	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.39	83	71655	4.909	ug/L	100
59) 1,2,3-Trichloropropane	12.43	75	54230	4.679	ug/L	98
61) Bromoform	12.01	173	19403	4.008	ug/L	93
62) 1,3-Dichlorobenzene	13.16	146	219175	4.566	ug/L	98
63) 1,4-Dichlorobenzene	13.24	146	214977	4.640	ug/L	99
65) 1,2-Dichlorobenzene	13.53	146	170930	4.677	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.14	75	7952	4.759	ug/L #	85
67) 1,3,5-Trichlorobenzene	14.29	180	123867	4.574	ug/L	97
68) 1,2,4-trichlorobenzene	14.78	180	76043	4.414	ug/L	98
69) Naphthalene	15.00	128	119988	4.785	ug/L	99
70) 1,2,3-Trichlorobenzene	15.18	180	54209	4.429	ug/L	99

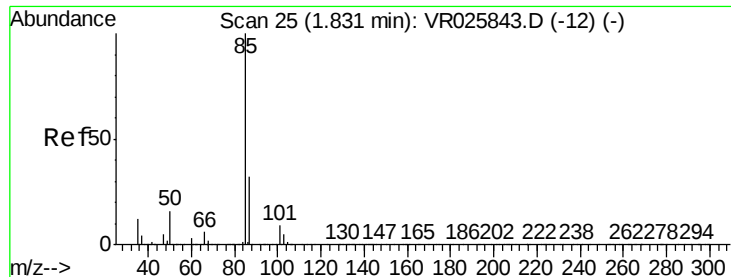
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.499 ug/L

RT: 1.84 min Scan# 26

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

MSVOA_R

ClientSampleId :

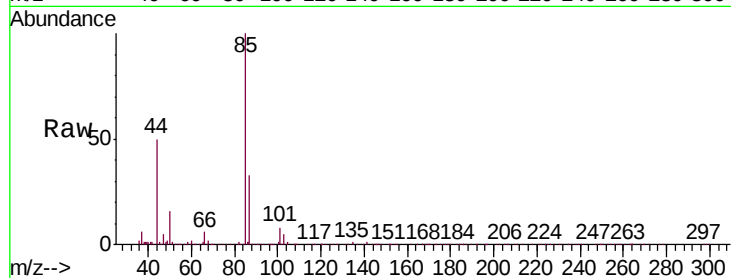
VSTD00585

Tgt Ion: 85 Resp: 168785

Ion Ratio Lower Upper

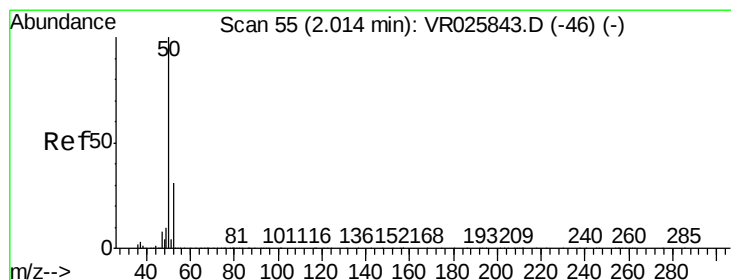
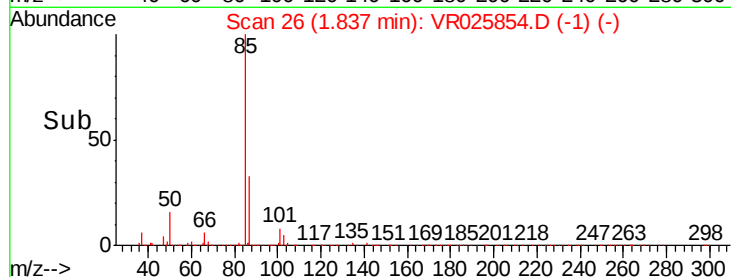
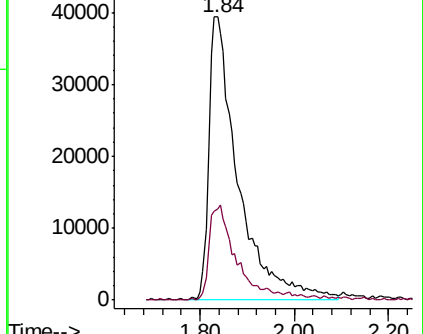
85 100

87 30.7 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#3

Chloromethane

Concen: 5.296 ug/L

RT: 2.01 min Scan# 55

Delta R.T. -0.00 min

Lab File: VR025854.D

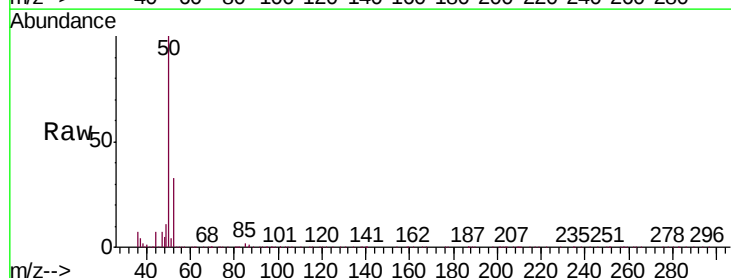
Acq: 25 Sep 2018 19:07

Tgt Ion: 50 Resp: 216301

Ion Ratio Lower Upper

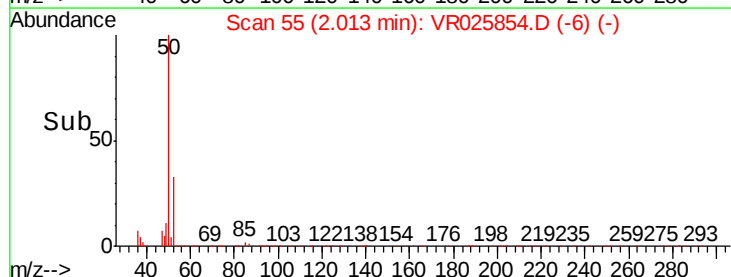
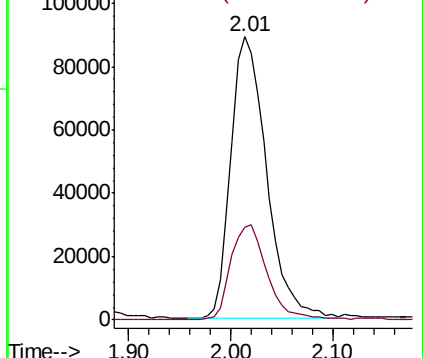
50 100

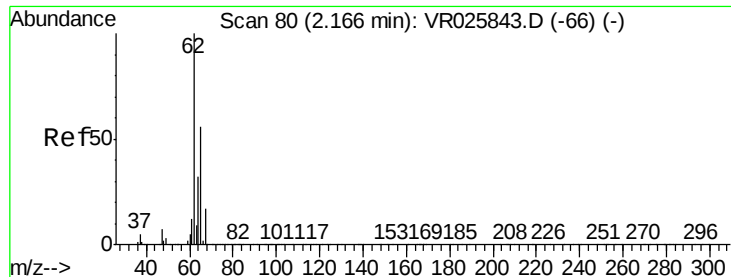
52 32.7 22.1 41.1



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0





#5

Vinyl chloride

Concen: 5.448 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR025854.D

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Instrument :

MSVOA_R

ClientSampleId :

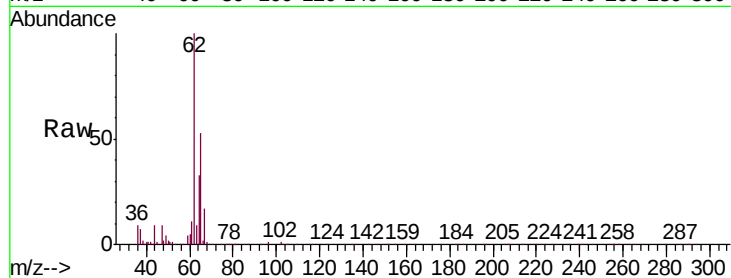
VSTD00585

Tgt Ion: 62 Resp: 210774

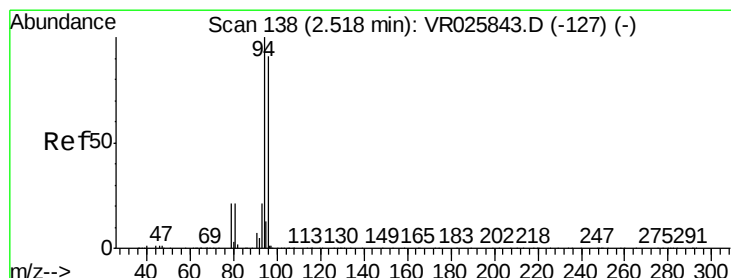
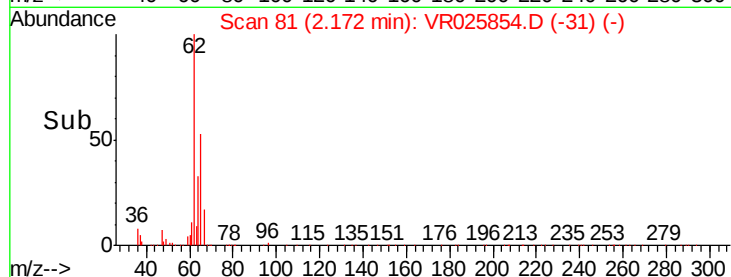
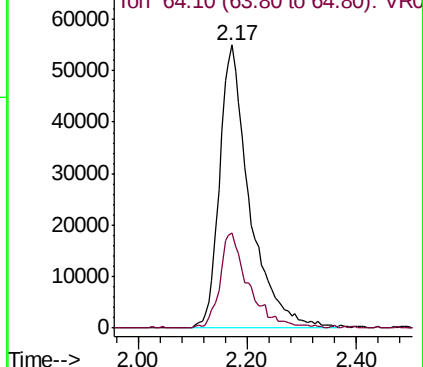
Ion Ratio Lower Upper

62 100

64 33.4 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VR0



#6

Bromomethane

Concen: 5.834 ug/L

RT: 2.52 min Scan# 139

Delta R.T. 0.01 min

Lab File: VR025854.D

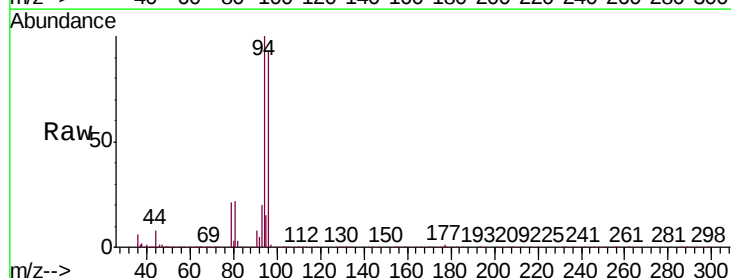
Acq: 25 Sep 2018 19:07

Tgt Ion: 94 Resp: 128295

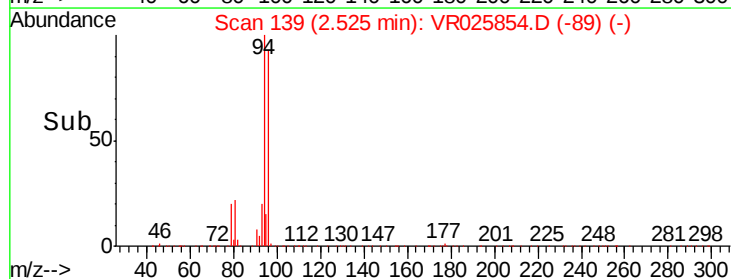
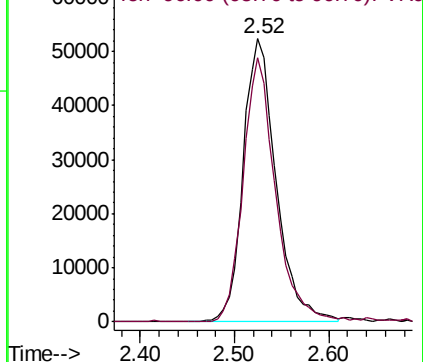
Ion Ratio Lower Upper

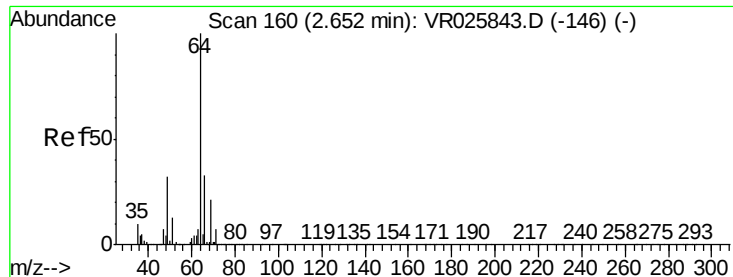
94 100

96 93.3 66.1 122.8



Abundance Ion 94.00 (93.70 to 94.70): VR0





#8

Chloroethane

Concen: 5.675 ug/L

RT: 2.66 min Scan# 161

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

MSVOA_R

ClientSampleId :

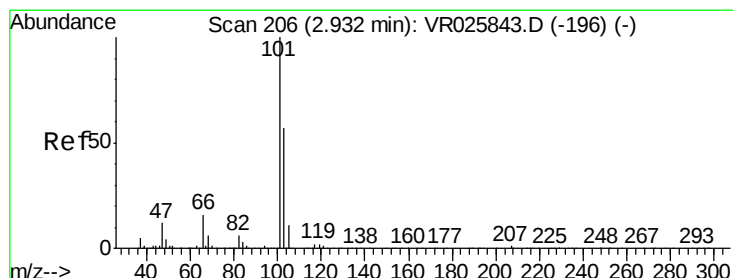
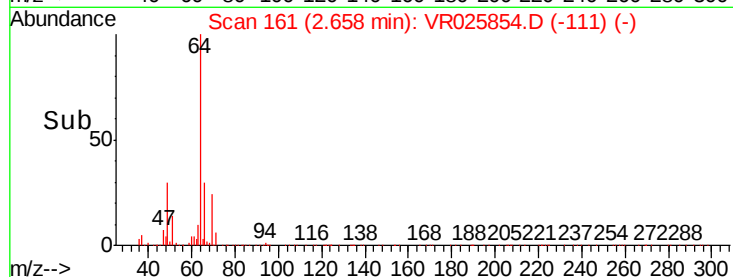
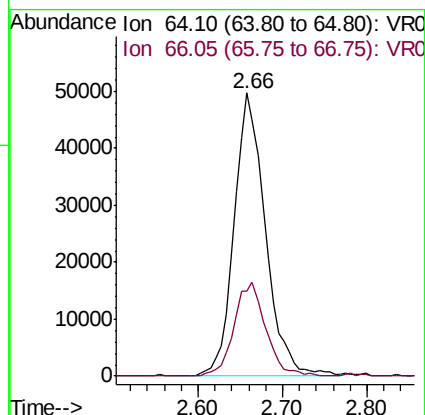
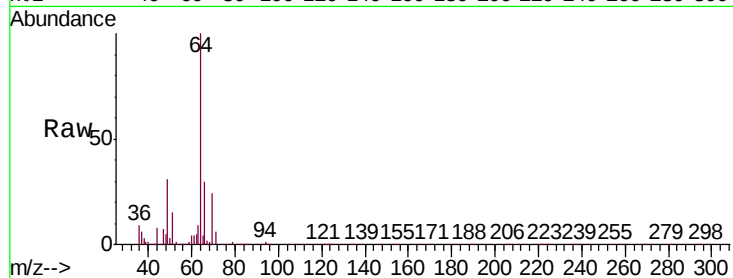
VSTD00585

Tgt Ion: 64 Resp: 124756

Ion Ratio Lower Upper

64 100

66 30.2 21.3 39.5



#9

Trichlorofluoromethane

Concen: 2.275 ug/L

RT: 2.94 min Scan# 208

Delta R.T. 0.01 min

Lab File: VR025854.D

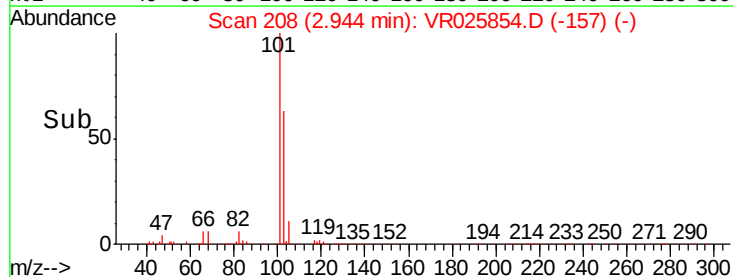
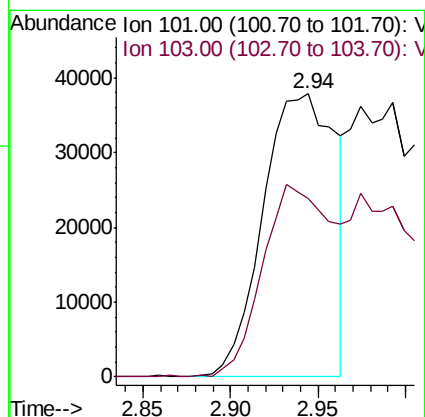
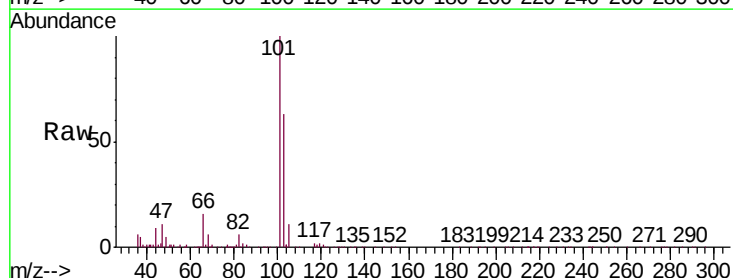
Acq: 25 Sep 2018 19:07

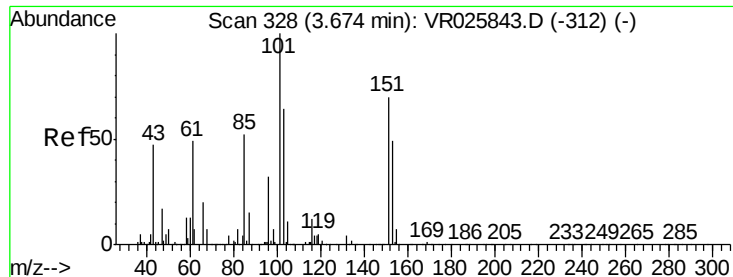
Tgt Ion: 101 Resp: 109158

Ion Ratio Lower Upper

101 100

103 64.6 22.1 33.1#





#10

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

Concen: 6.006 ug/L

RT: 3.68 min Scan# 329

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

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ClientSampleId :

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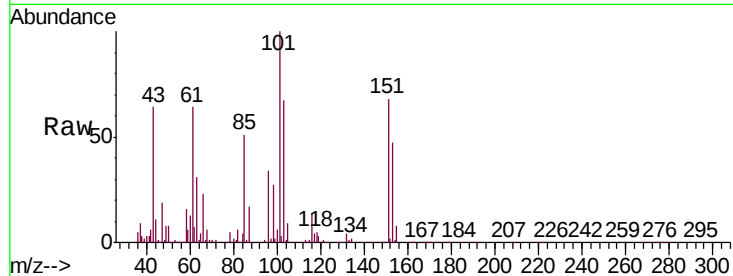
Tgt Ion: 101 Resp: 175544

Ion Ratio Lower Upper

101 100

85 51.9 38.2 57.4

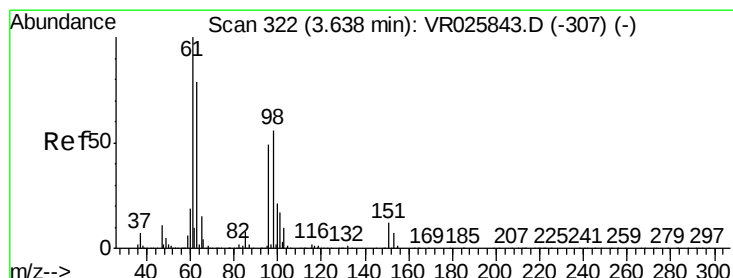
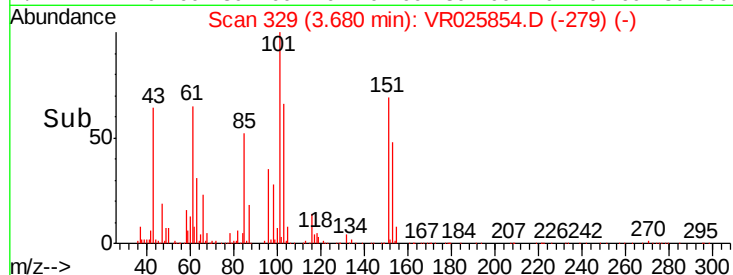
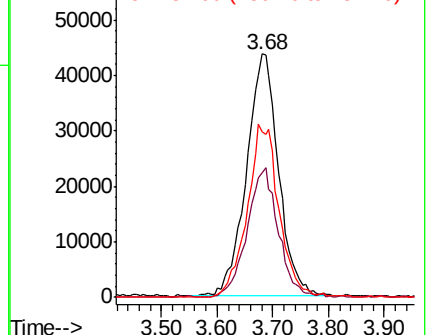
151 70.9 58.4 87.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VR0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 5.718 ug/L

RT: 3.64 min Scan# 323

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

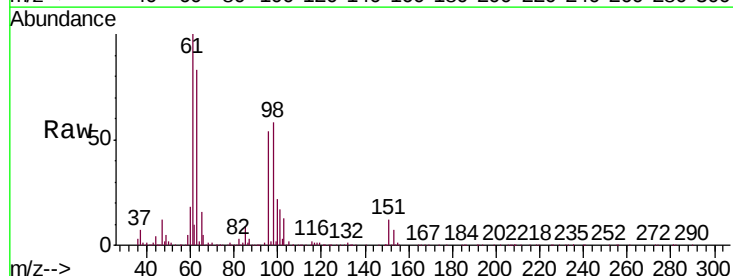
Tgt Ion: 96 Resp: 177679

Ion Ratio Lower Upper

96 100

61 185.6 145.0 269.4

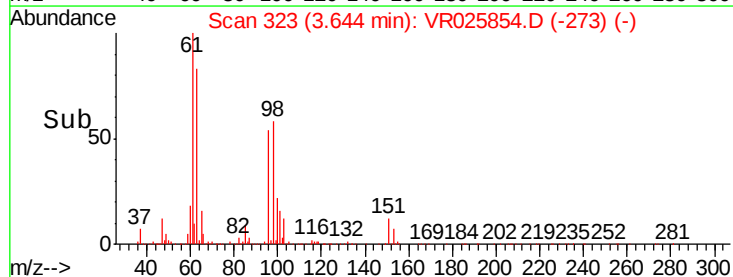
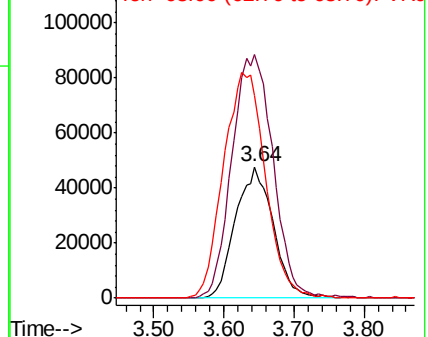
63 154.4 123.8 230.0

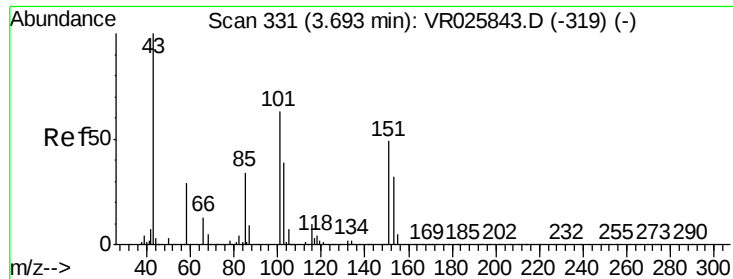


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 71.327 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

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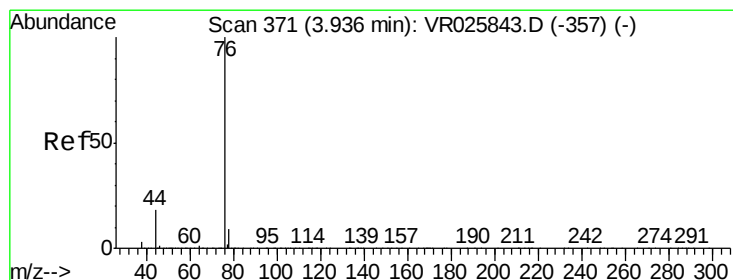
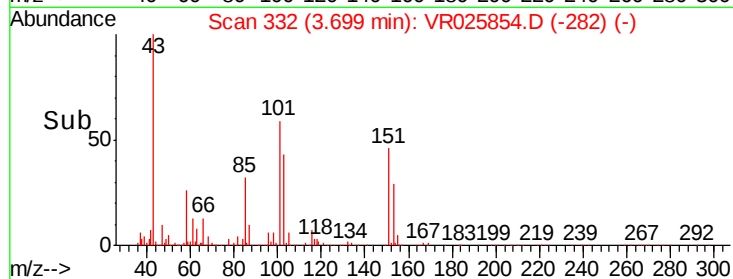
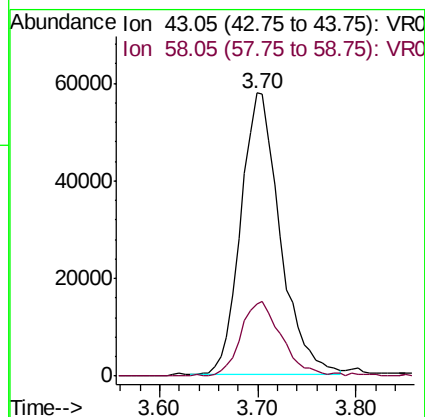
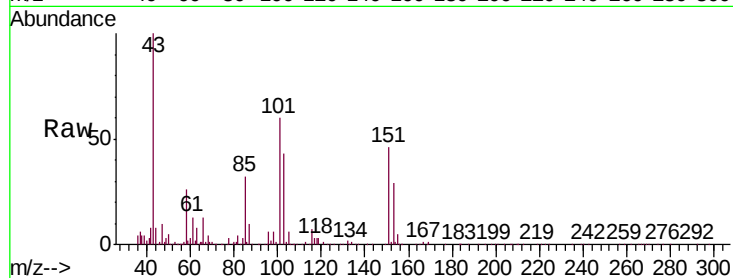
VSTD00585

Tgt Ion: 43 Resp: 161847

Ion Ratio Lower Upper

43 100

58 27.5 0.0 51.4



#14

Carbon disulfide

Concen: 4.870 ug/L

RT: 3.94 min Scan# 372

Delta R.T. 0.01 min

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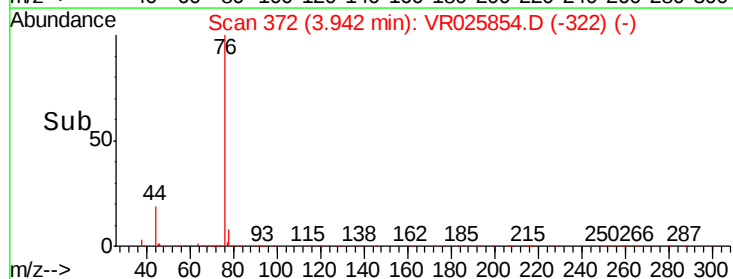
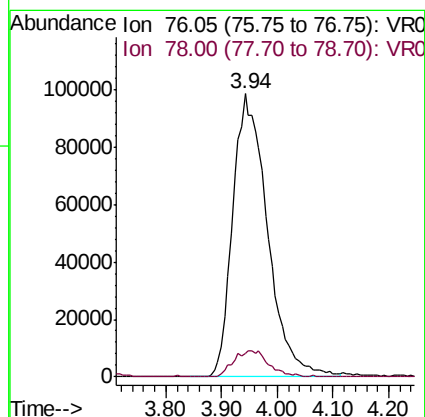
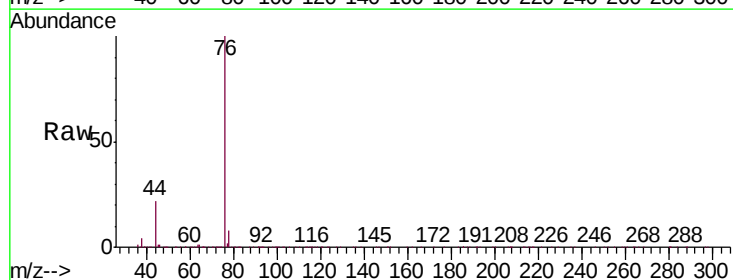
Acq: 25 Sep 2018 19:07

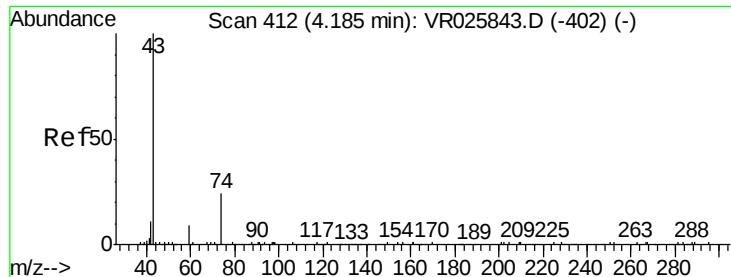
Tgt Ion: 76 Resp: 425811

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.6

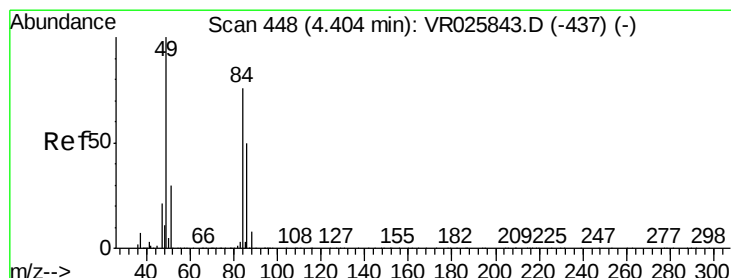
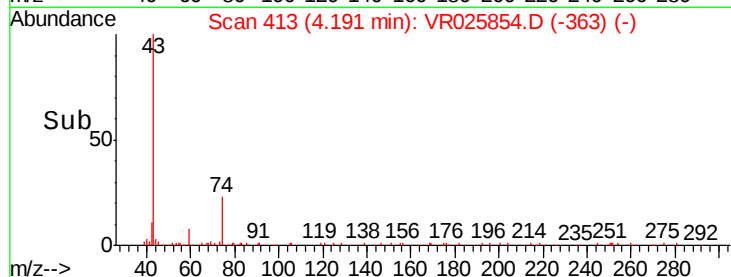
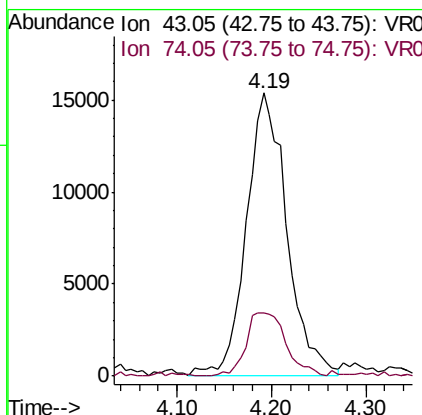
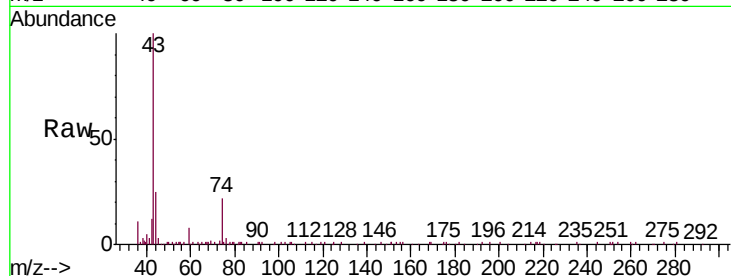




#15
Methyl Acetate
Concen: 6.366 ug/L
RT: 4.19 min Scan# 413
Delta R.T. 0.01 min
Lab File: VR025854.D
Acq: 25 Sep 2018 19:07

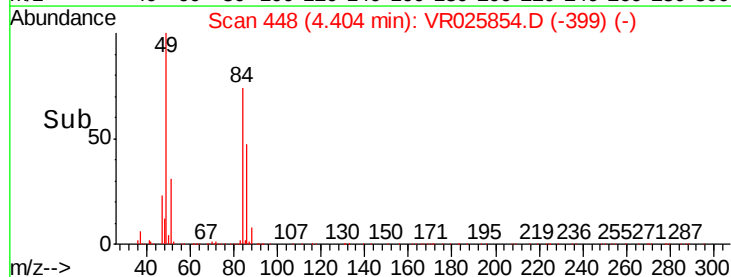
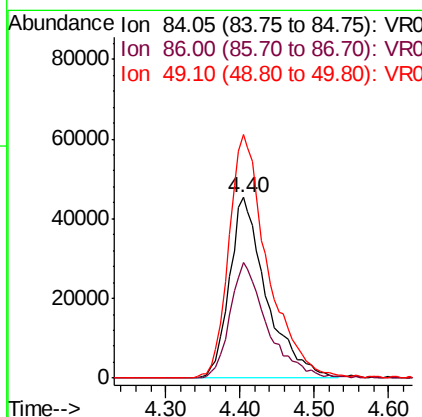
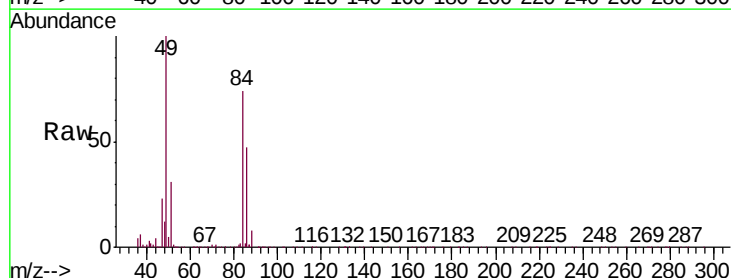
Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

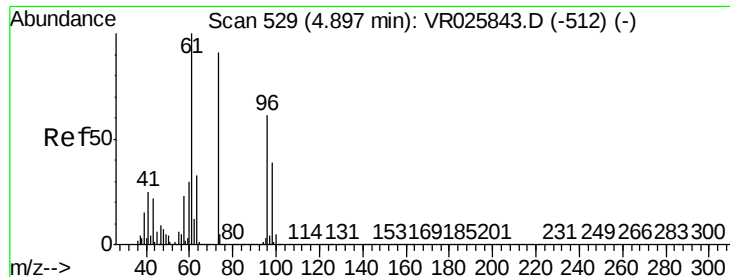
Tgt Ion: 43 Resp: 46340
Ion Ratio Lower Upper
43 100
74 22.2 19.0 28.4



#16
Methylene chloride
Concen: 5.644 ug/L
RT: 4.40 min Scan# 448
Delta R.T. -0.00 min
Lab File: VR025854.D
Acq: 25 Sep 2018 19:07

Tgt Ion: 84 Resp: 157680
Ion Ratio Lower Upper
84 100
86 64.0 43.1 80.1
49 134.9 95.5 177.3



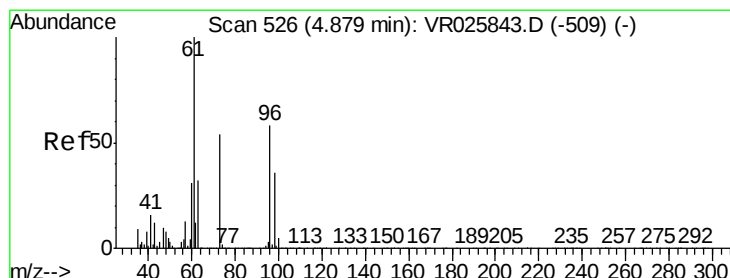
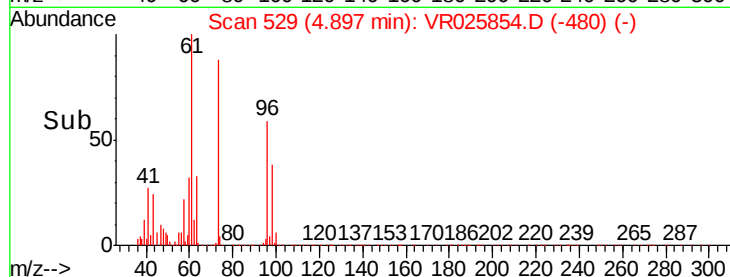
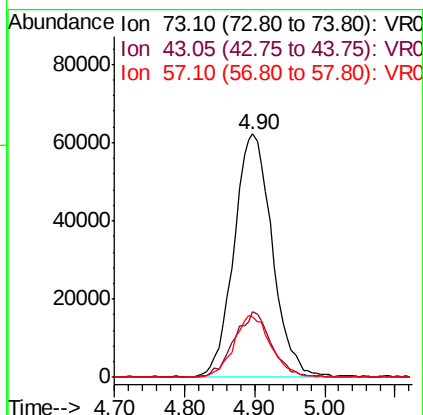
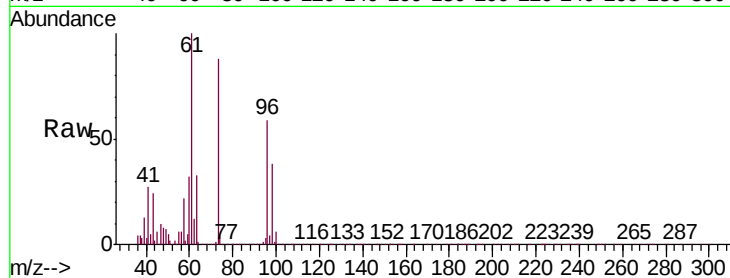


#17

Methyl tert-butyl Ether
 Concen: 4.327 ug/L
 RT: 4.90 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

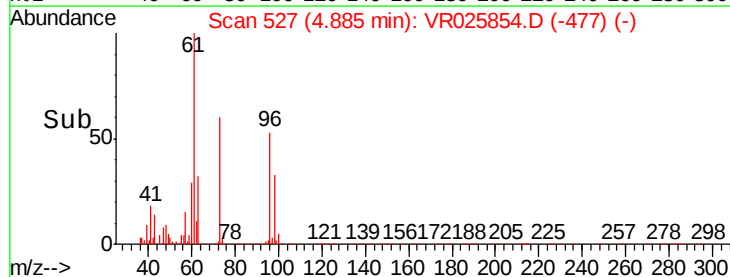
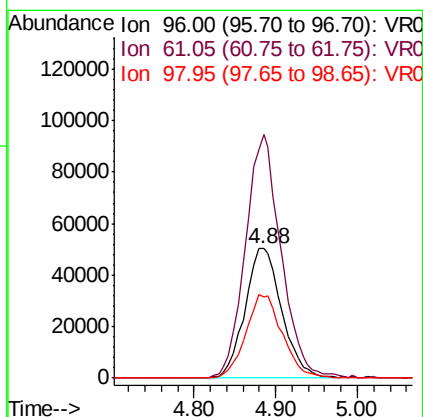
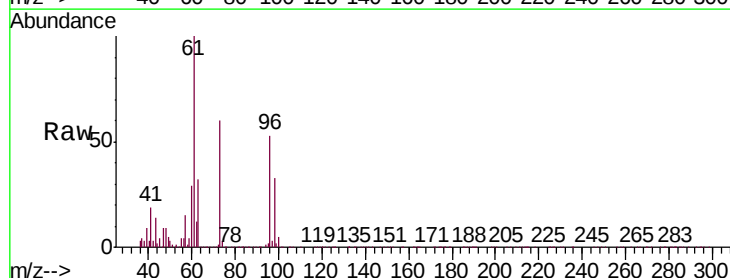
Tgt Ion:	73	Resp:	235158
Ion	Ratio	Lower	Upper
73	100		
43	26.5	19.8	29.8
57	24.7	17.9	26.9

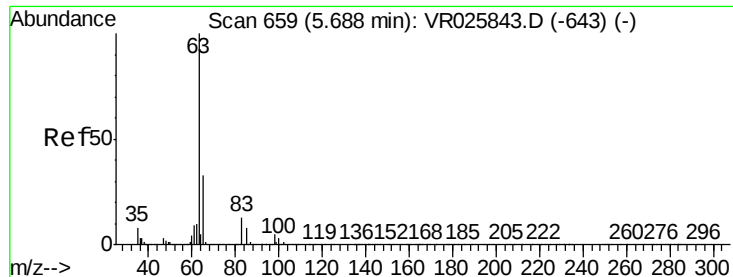


#18

trans-1,2-Dichloroethene
 Concen: 4.488 ug/L
 RT: 4.88 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

Tgt Ion:	96	Resp:	157781
Ion	Ratio	Lower	Upper
96	100		
61	188.2	127.4	236.6
98	62.8	43.8	81.3





#19

1,1-Dichloroethane

Concen: 4.658 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

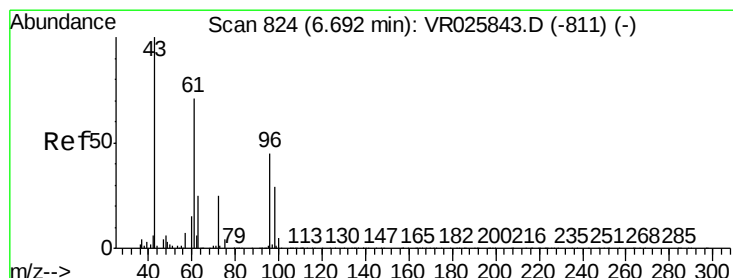
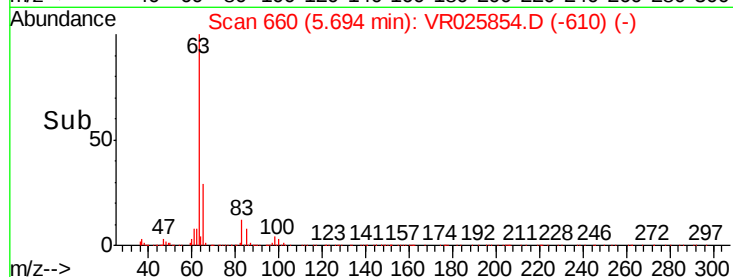
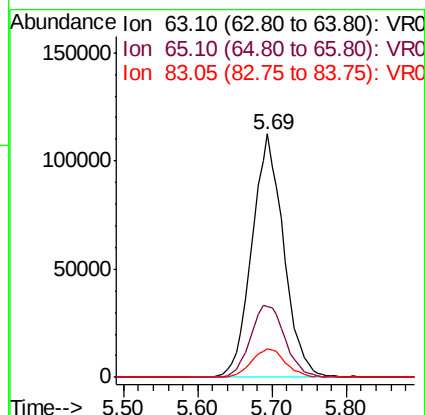
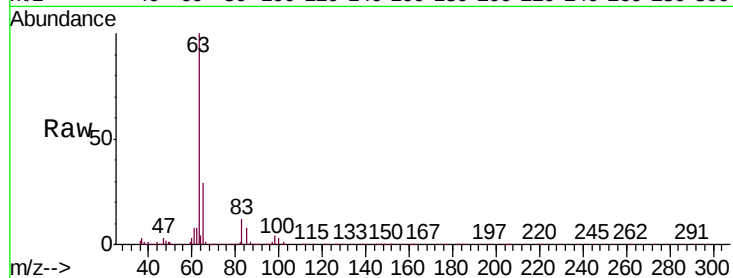
Instrument :

MSVOA_R

ClientSampleId :

VSTD00585

Tgt Ion:	63	Resp:	334802
Ion	Ratio	Lower	Upper
63	100		
65	29.2	21.1	39.1
83	11.8	8.9	16.5



#21

2-Butanone

Concen: 53.250 ug/L

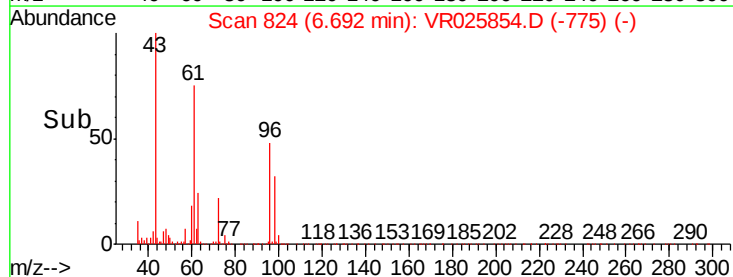
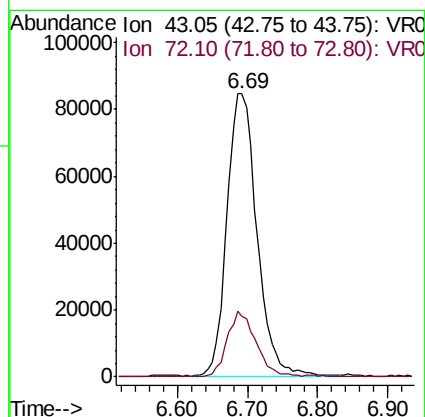
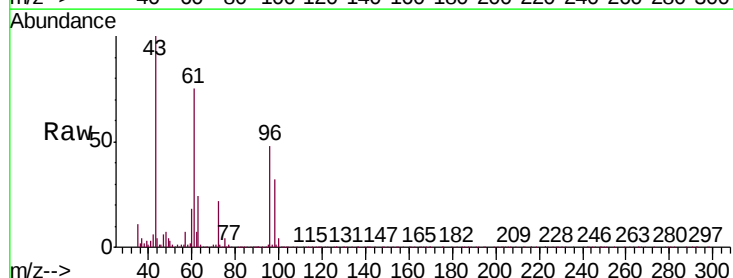
RT: 6.69 min Scan# 824

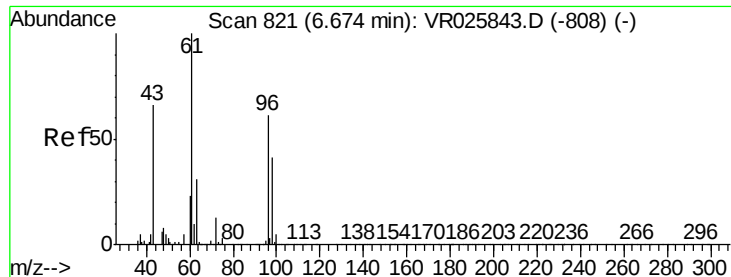
Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Tgt Ion:	43	Resp:	251826
Ion	Ratio	Lower	Upper
43	100		
72	22.3	11.9	35.7



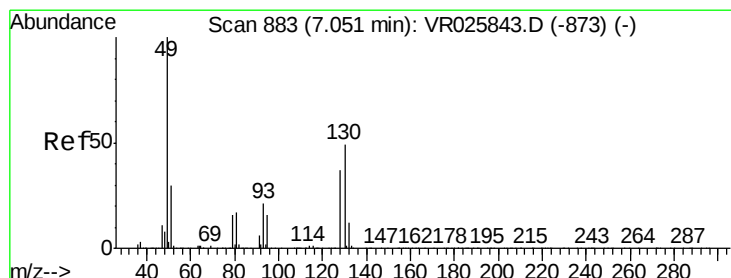
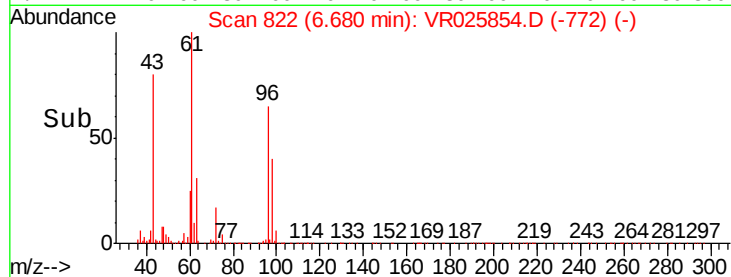
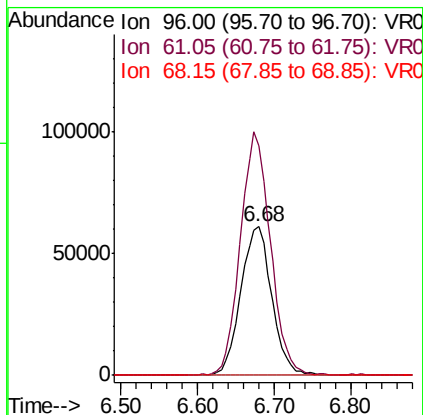
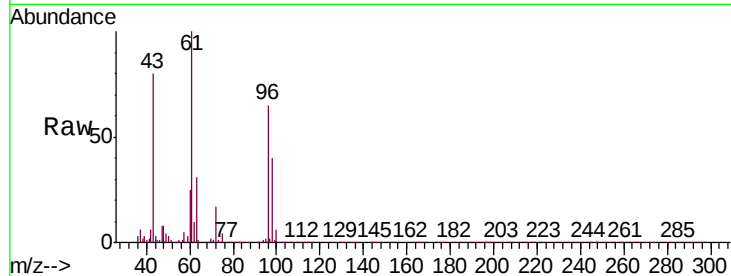


#22

cis-1,2-Dichloroethene
 Concen: 4.836 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

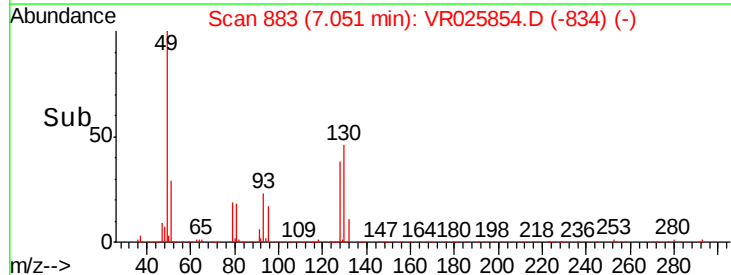
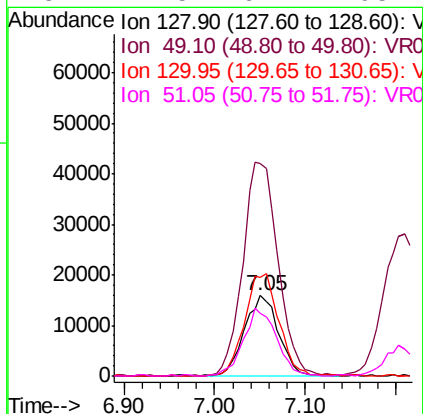
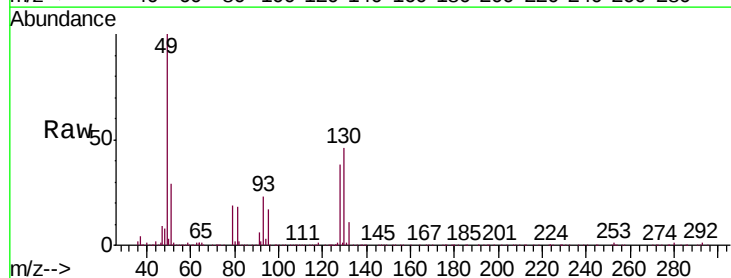
Tgt Ion: 96 Resp: 171256
 Ion Ratio Lower Upper
 96 100
 61 154.4 108.7 201.9
 68 0.2 0.1 0.1#

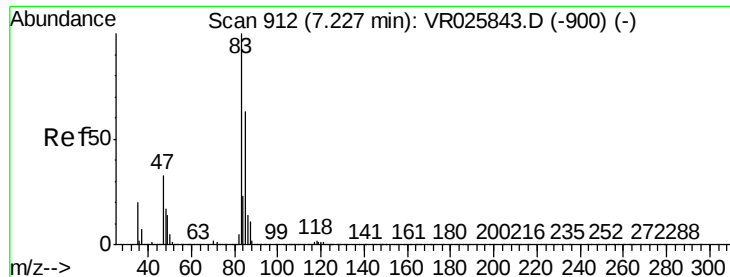


#23

Bromochloromethane
 Concen: 4.463 ug/L
 RT: 7.05 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

Tgt Ion: 128 Resp: 41649
 Ion Ratio Lower Upper
 128 100
 49 263.9 175.0 325.0
 130 122.0 85.6 159.0
 51 77.5 62.2 93.2





#25

Chloroform

Concen: 4.664 ug/L

RT: 7.23 min Scan# 913

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

MSVOA_R

ClientSampleId :

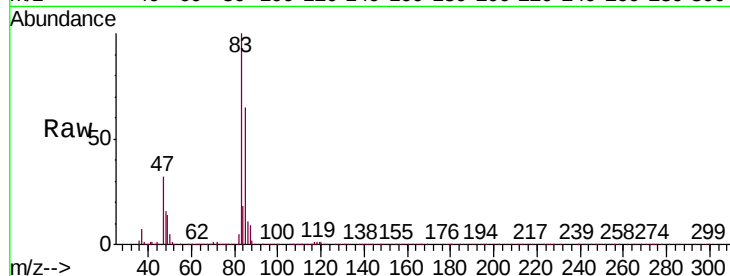
VSTD00585

Tgt Ion: 83 Resp: 308252

Ion Ratio Lower Upper

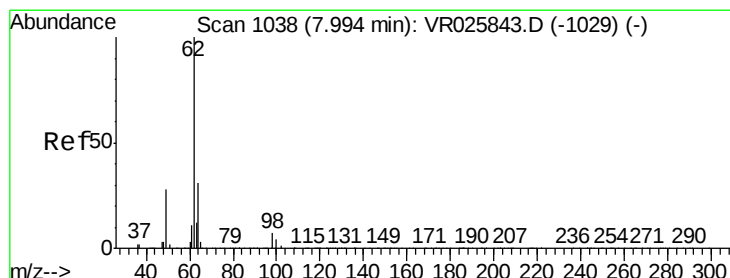
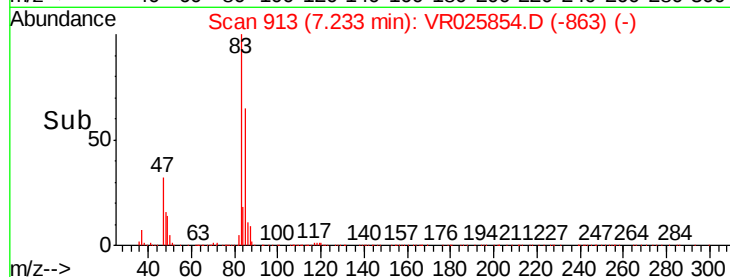
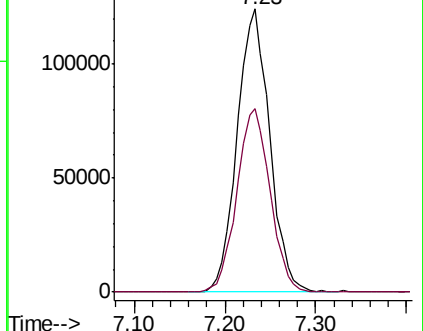
83 100

85 64.9 43.8 81.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0



#27

1,2-Dichloroethane

Concen: 4.698 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VR025854.D

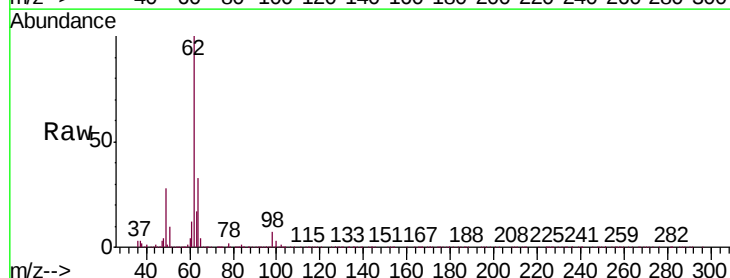
Acq: 25 Sep 2018 19:07

Tgt Ion: 62 Resp: 160492

Ion Ratio Lower Upper

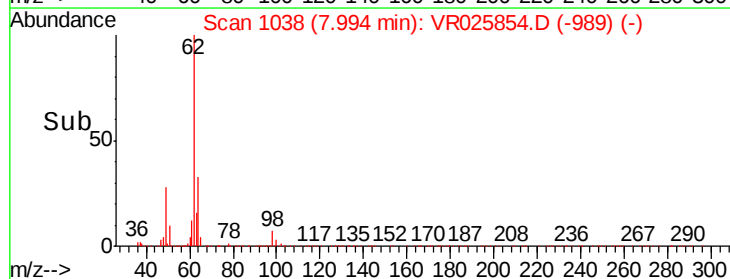
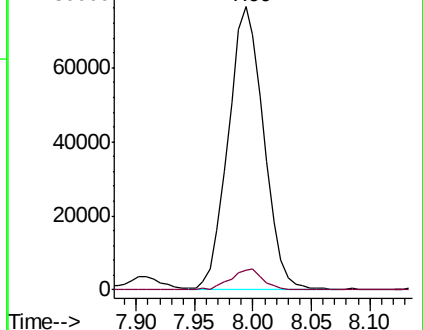
62 100

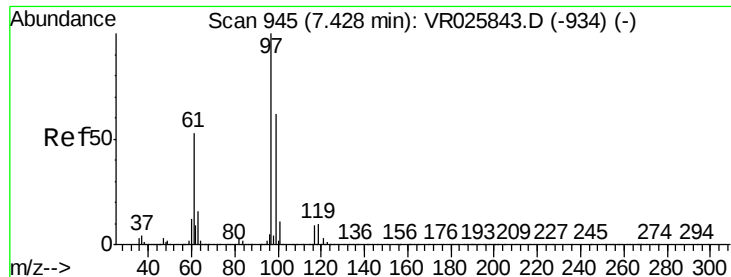
98 6.9 5.2 7.8



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0





#29

1,1,1-Trichloroethane

Concen: 4.136 ug/L

RT: 7.43 min Scan# 946

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00585

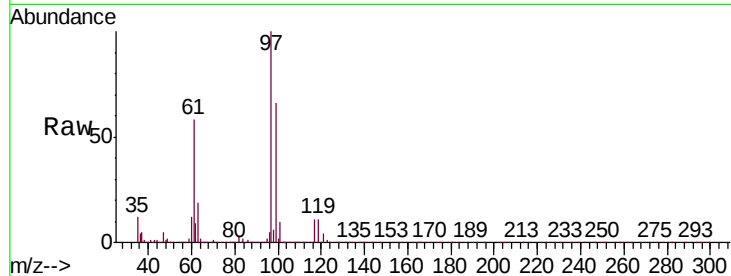
Tgt Ion: 97 Resp: 253263

Ion Ratio Lower Upper

97 100

99 63.9 51.0 76.6

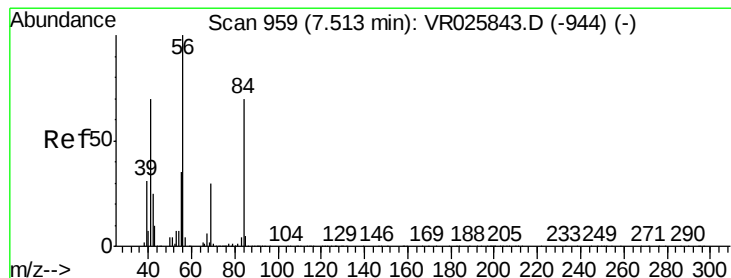
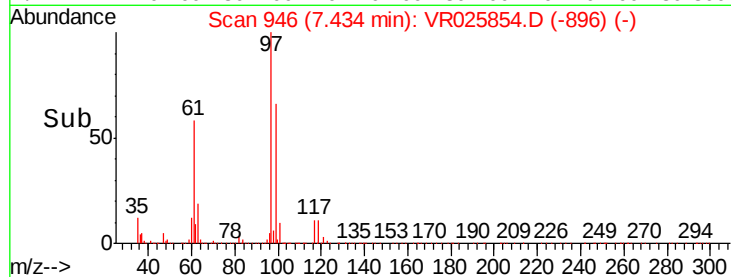
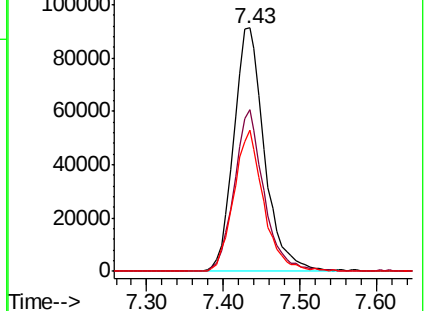
61 56.2 41.6 62.4



Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0



#30

Cyclohexane

Concen: 4.431 ug/L

RT: 7.52 min Scan# 960

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

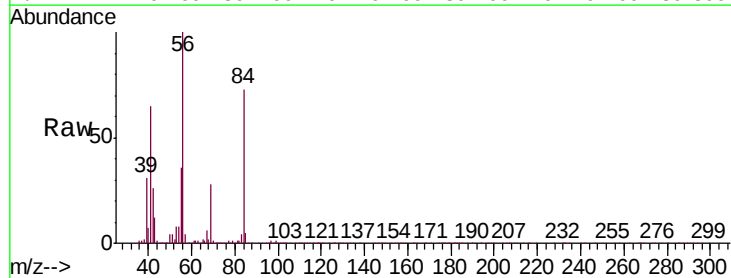
Tgt Ion: 56 Resp: 323397

Ion Ratio Lower Upper

56 100

69 28.9 24.8 37.2

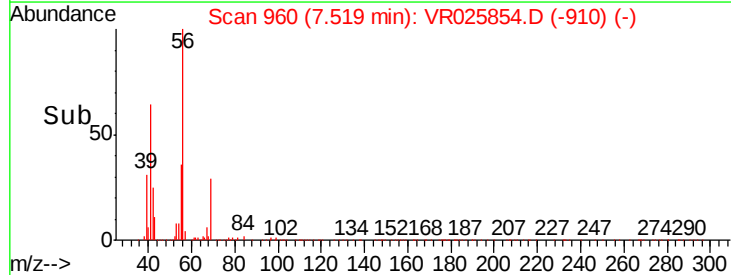
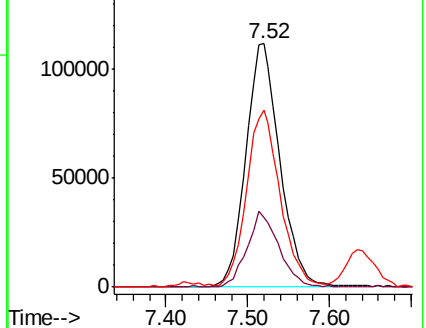
84 71.7 59.8 89.8

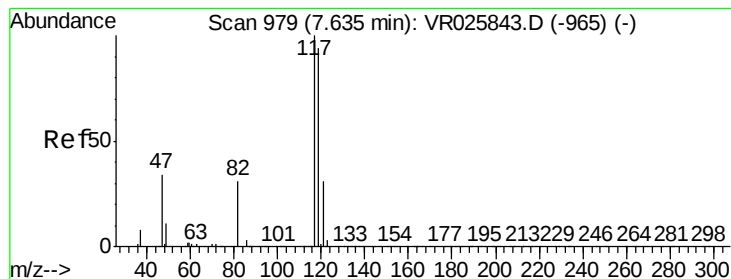


Abundance Ion 56.10 (55.80 to 56.80): VR0

Ion 69.15 (68.85 to 69.85): VR0

Ion 84.15 (83.85 to 84.85): VR0





#31

Carbon tetrachloride

Concen: 4.073 ug/L

RT: 7.64 min Scan# 980

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

MSVOA_R

ClientSampleId :

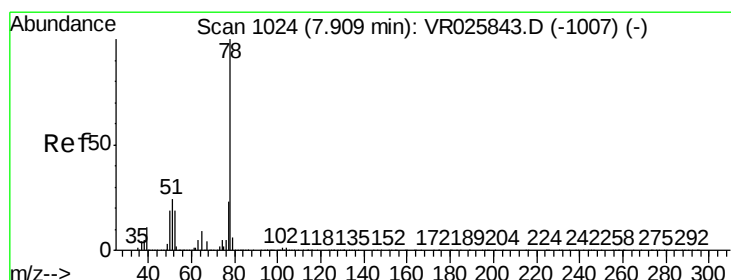
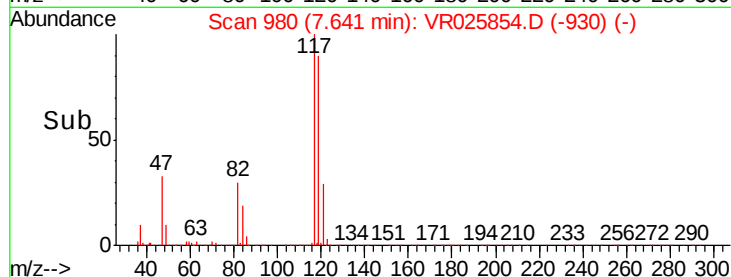
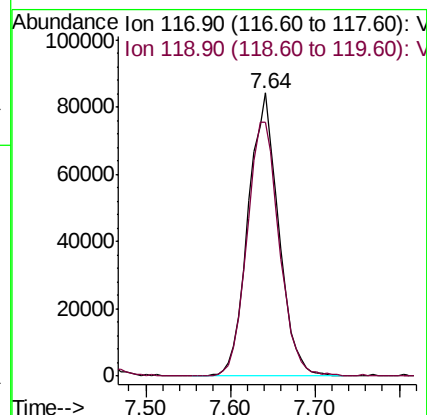
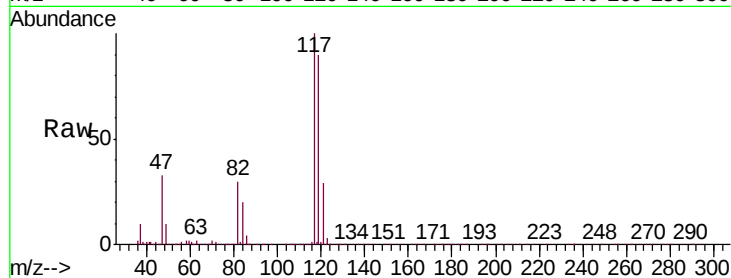
VSTD00585

Tgt Ion:117 Resp: 205192

Ion Ratio Lower Upper

117 100

119 94.8 75.6 113.4



#33

Benzene

Concen: 4.669 ug/L

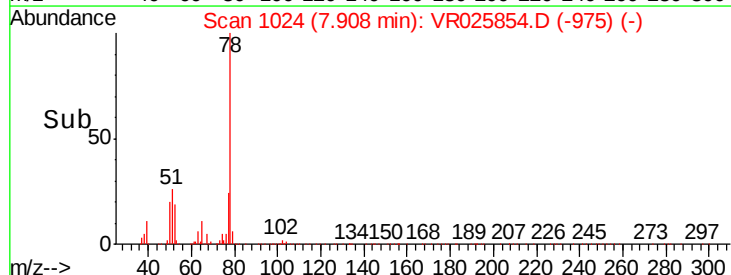
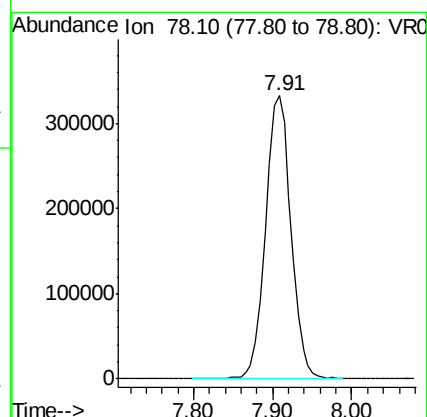
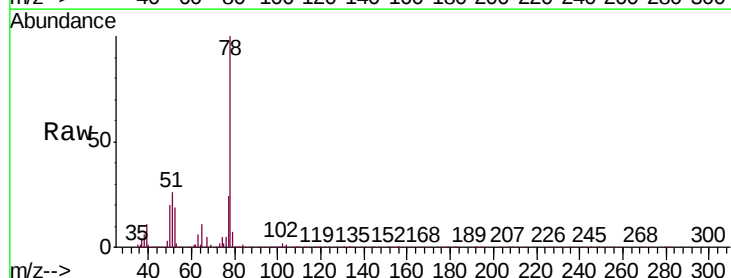
RT: 7.91 min Scan# 1024

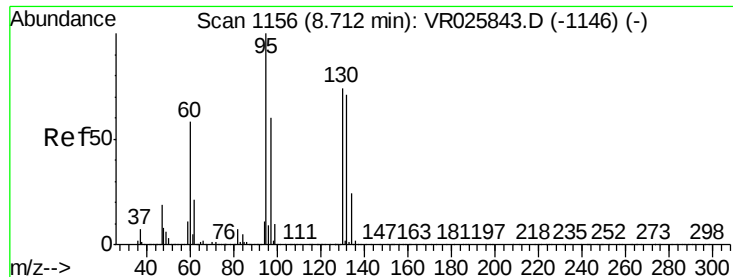
Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Tgt Ion: 78 Resp: 743045

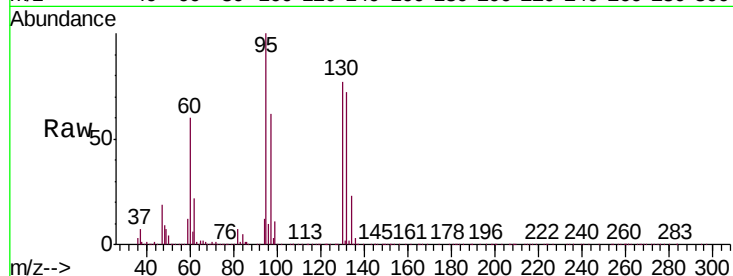




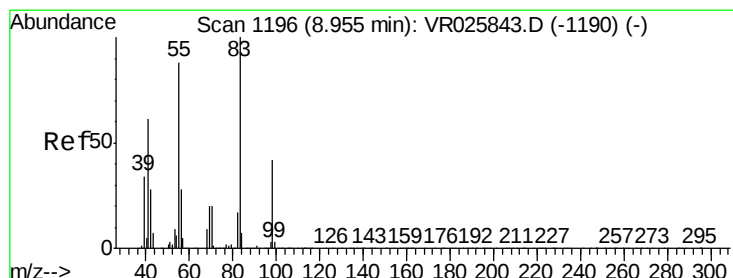
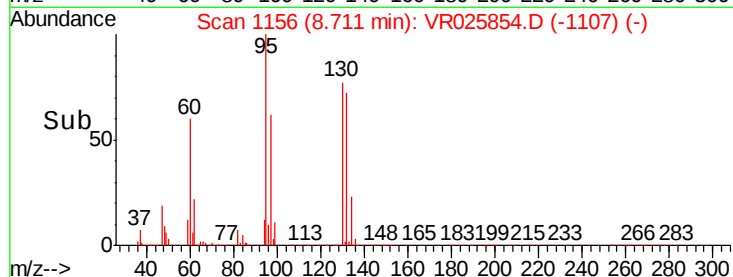
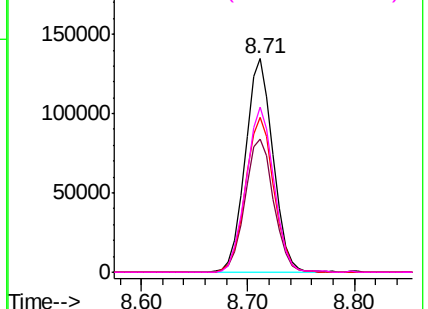
#34
 Trichloroethene
 Concen: 5.821 ug/L
 RT: 8.71 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

Tgt Ion:	95	Resp:	245897
Ion	Ratio	Lower	Upper
95	100		
97	62.4	43.9	81.5
132	72.4	53.3	98.9
130	77.2	53.8	99.8

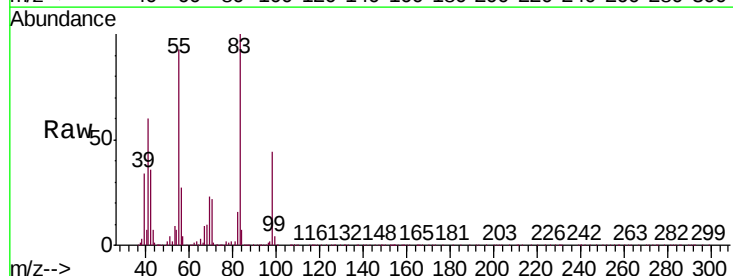


Abundance Ion 95.00 (94.70 to 95.70): VR0
 Ion 96.95 (96.65 to 97.65): VR0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

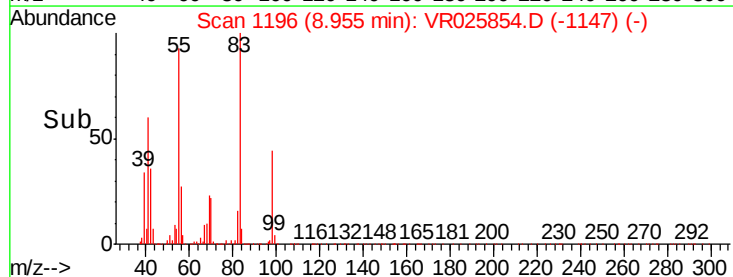
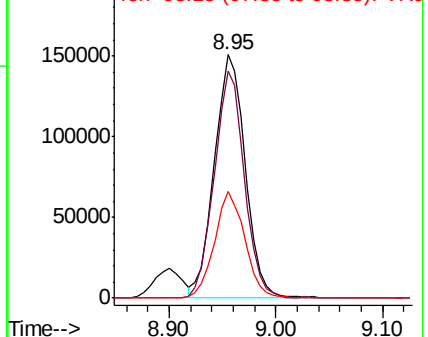


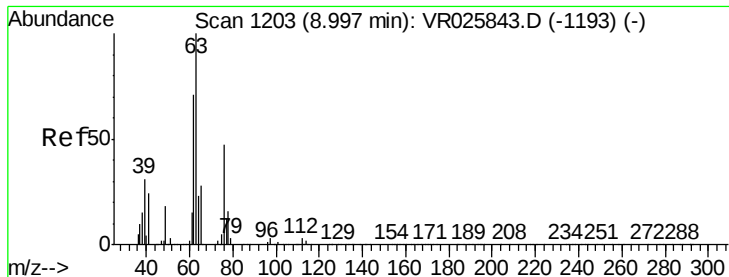
#35
 Methylcyclohexane
 Concen: 4.368 ug/L
 RT: 8.95 min Scan# 1196
 Delta R.T. -0.00 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

Tgt Ion:	83	Resp:	302566
Ion	Ratio	Lower	Upper
83	100		
55	90.5	71.8	107.6
98	43.1	34.2	51.4



Abundance Ion 83.15 (82.85 to 83.85): VR0
 Ion 55.10 (54.80 to 55.80): VR0
 Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 4.711 ug/L

RT: 9.00 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

MSVOA_R

ClientSampleId :

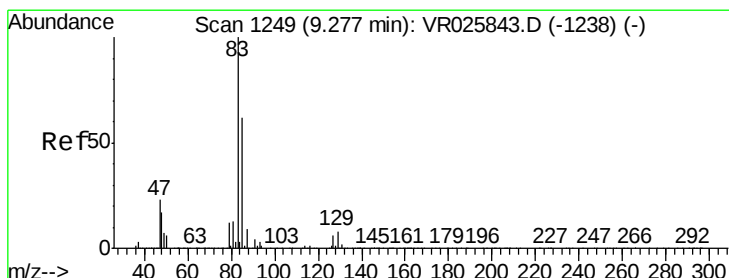
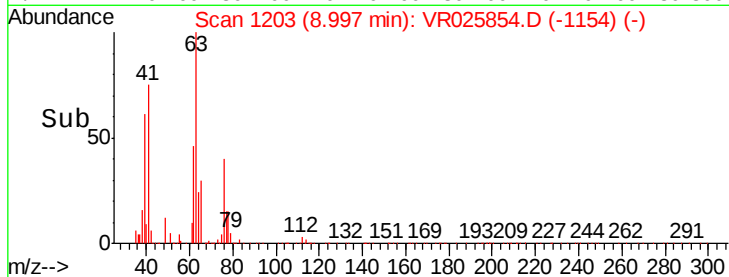
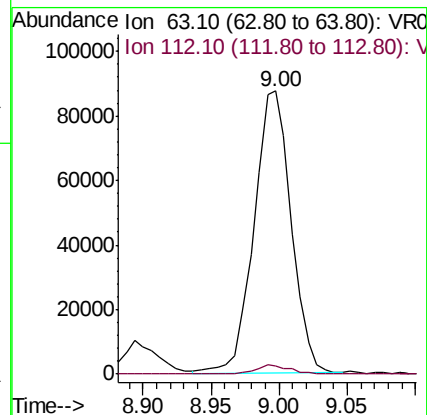
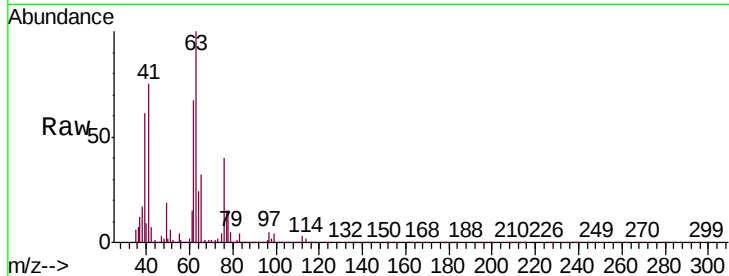
VSTD00585

Tgt Ion: 63 Resp: 167151

Ion Ratio Lower Upper

63 100

112 3.0 2.5 3.7



#38

Bromodichloromethane

Concen: 4.446 ug/L

RT: 9.28 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

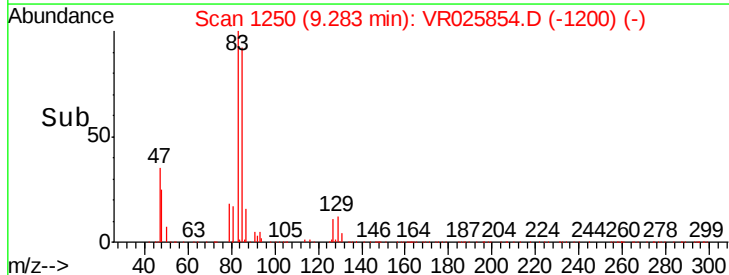
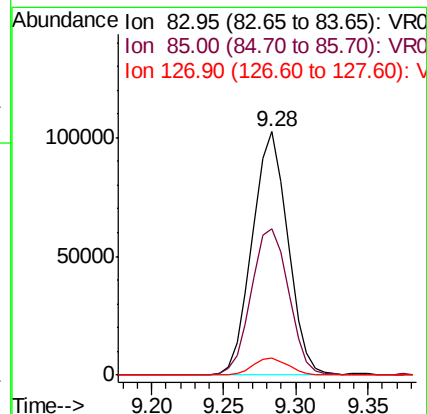
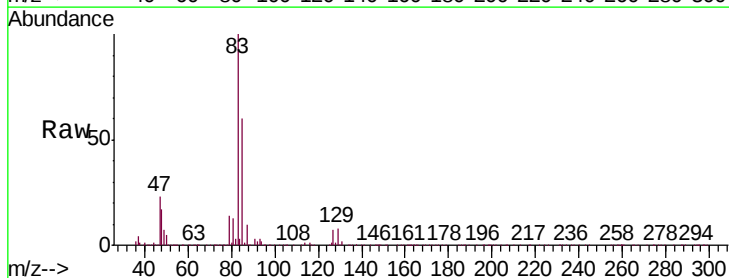
Tgt Ion: 83 Resp: 174185

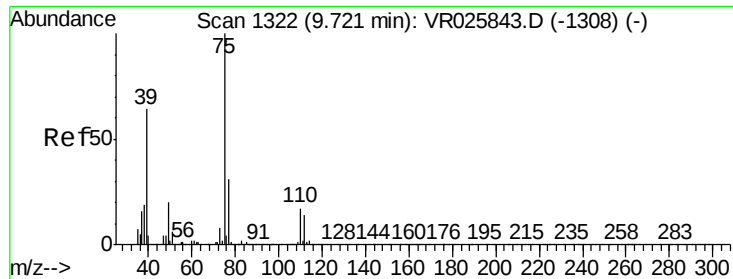
Ion Ratio Lower Upper

83 100

85 60.2 42.8 79.4

127 6.9 5.6 8.4





#39

cis-1,3-Dichloropropene

Concen: 4.339 ug/L

RT: 9.72 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

MSVOA_R

ClientSampleId :

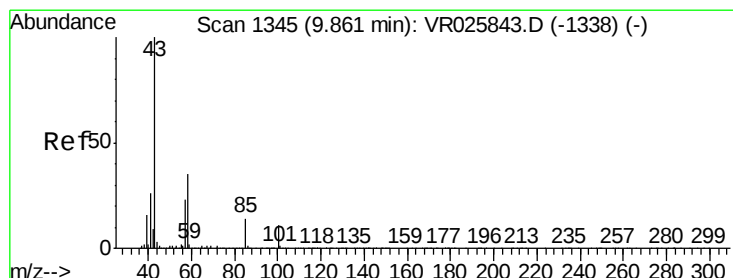
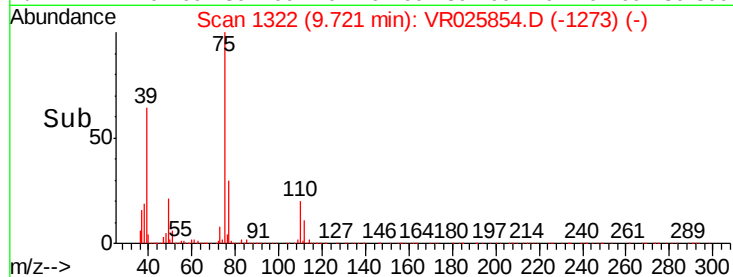
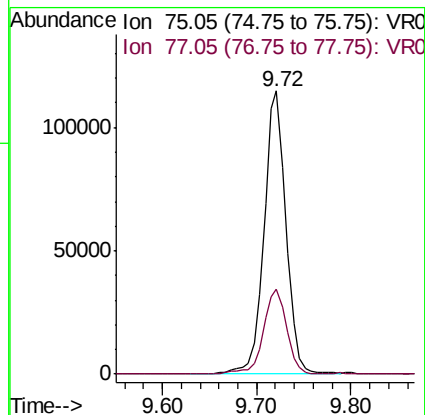
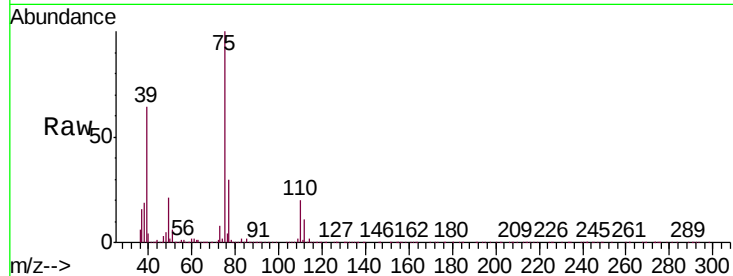
VSTD00585

Tgt Ion: 75 Resp: 188512

Ion Ratio Lower Upper

75 100

77 29.8 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 51.498 ug/L

RT: 9.87 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

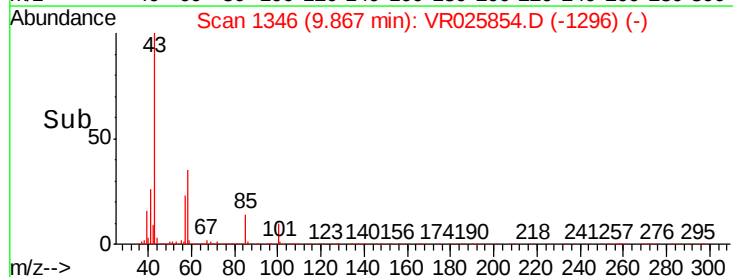
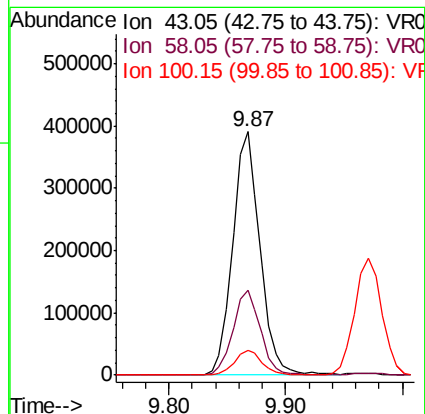
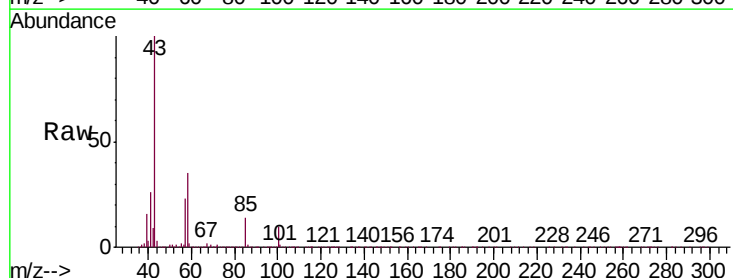
Tgt Ion: 43 Resp: 636187

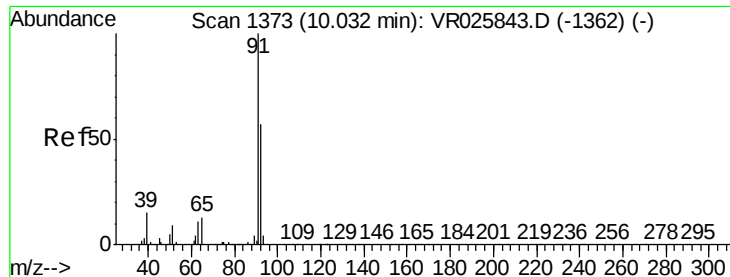
Ion Ratio Lower Upper

43 100

58 35.1 28.6 43.0

100 10.3 9.0 13.4





#42

Toluene

Concen: 4.694 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.01 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

MSVOA_R

ClientSampled :

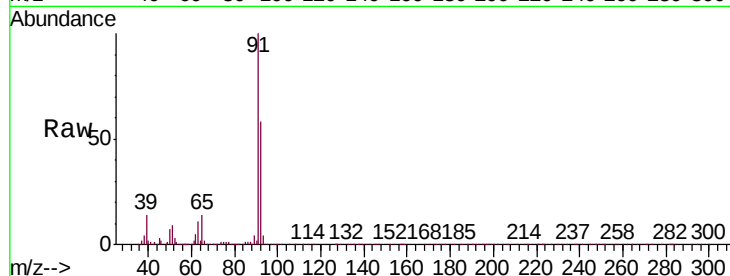
VSTD00585

Tgt Ion: 91 Resp: 761333

Ion Ratio Lower Upper

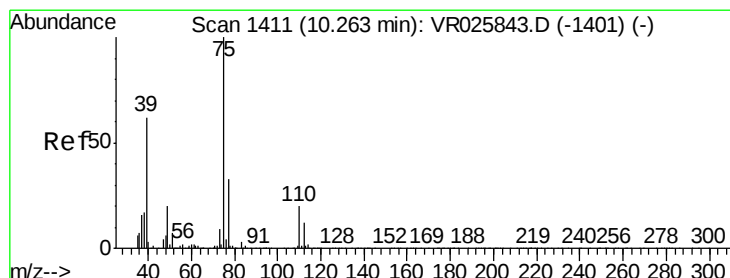
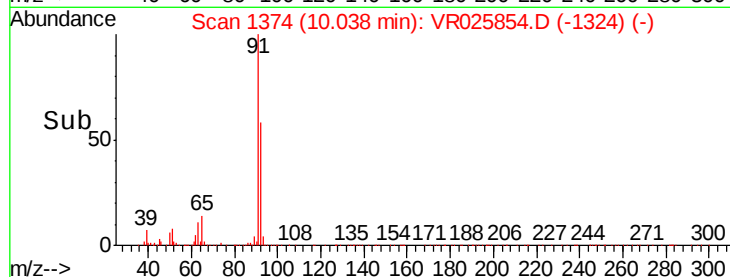
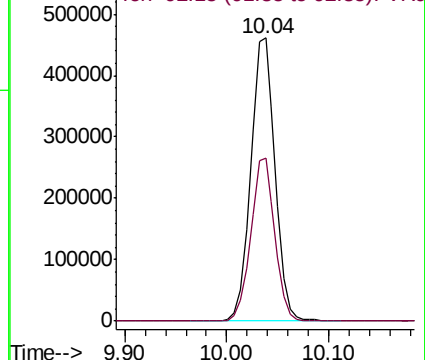
91 100

92 57.8 41.8 77.6



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#44

trans-1,3-Dichloropropene

Concen: 4.216 ug/L

RT: 10.26 min Scan# 1411

Delta R.T. -0.00 min

Lab File: VR025854.D

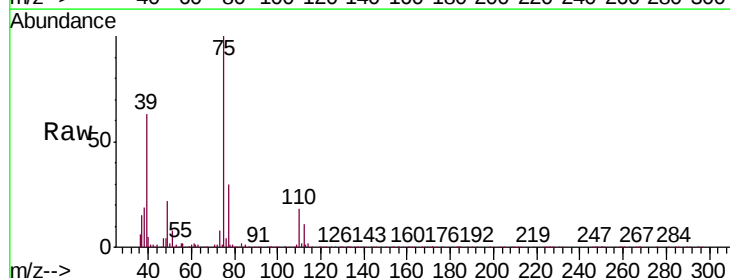
Acq: 25 Sep 2018 19:07

Tgt Ion: 75 Resp: 126928

Ion Ratio Lower Upper

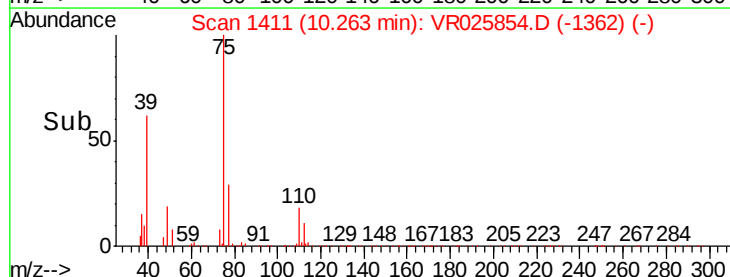
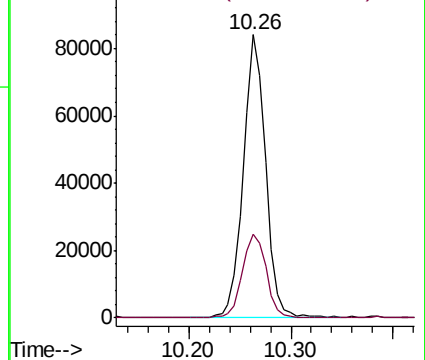
75 100

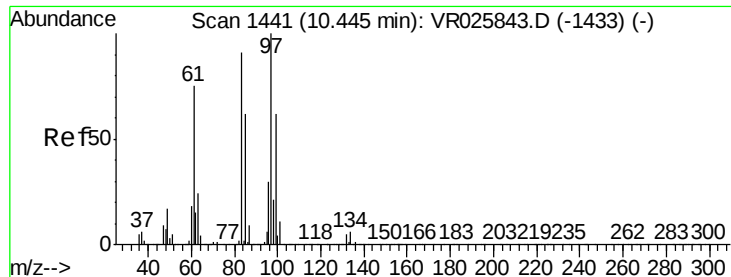
77 29.6 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0

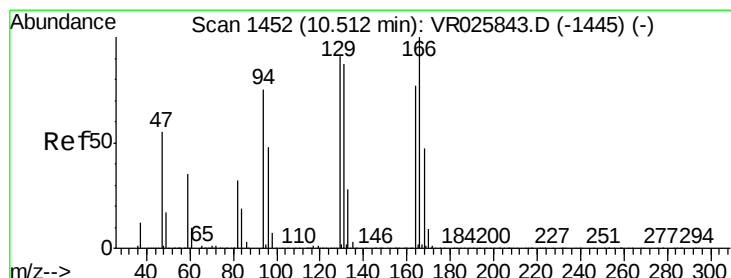
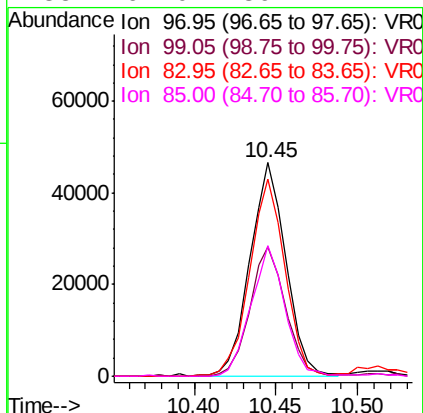
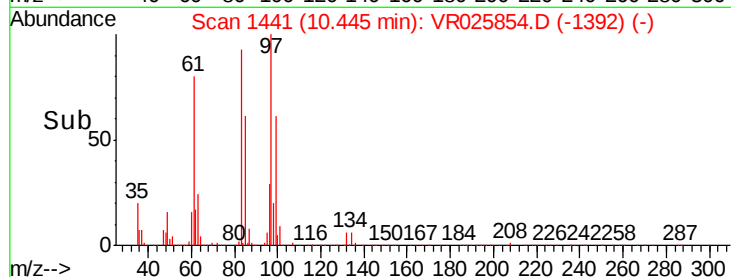
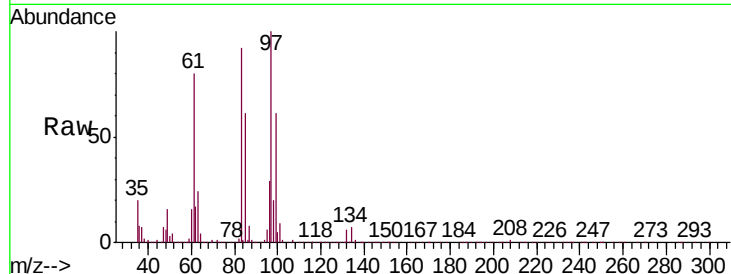




#45
 1,1,2-Trichloroethane
 Concen: 4.775 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

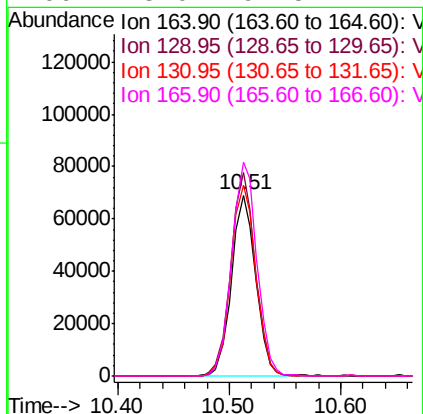
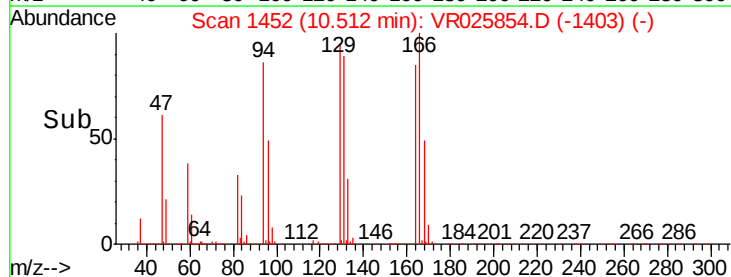
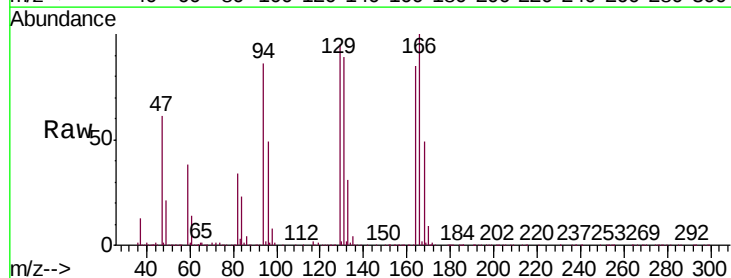
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

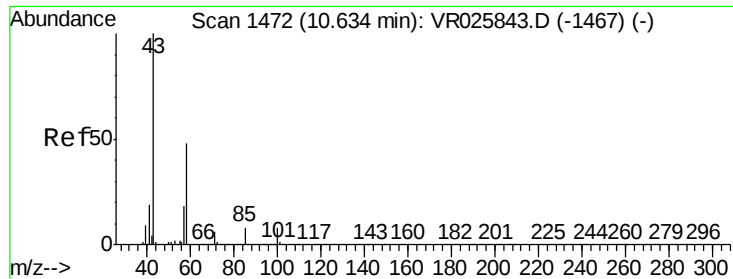
Tgt Ion:	97	Resp:	71034
Ion	Ratio	Lower	Upper
97	100		
99	60.6	39.6	73.6
83	92.4	62.2	115.6
85	61.0	39.1	72.7



#47
 Tetrachloroethene
 Concen: 4.297 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

Tgt Ion:	164	Resp:	103815
Ion	Ratio	Lower	Upper
164	100		
129	112.4	80.8	150.2
131	105.1	74.5	138.3
166	118.0	92.5	171.7

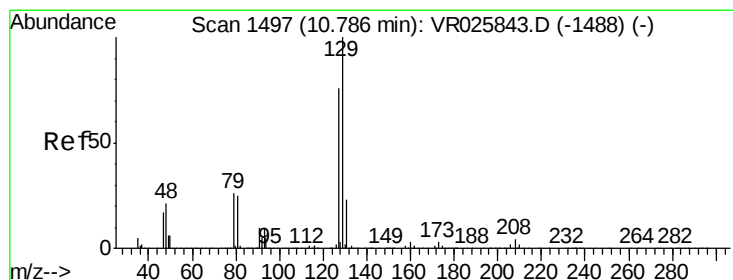
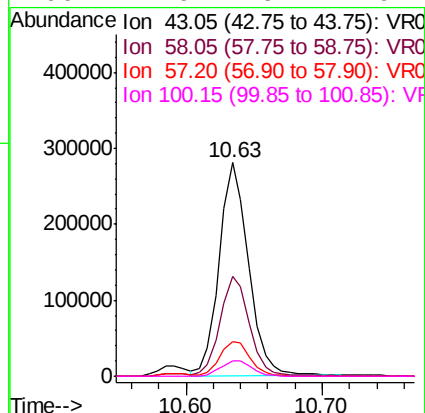
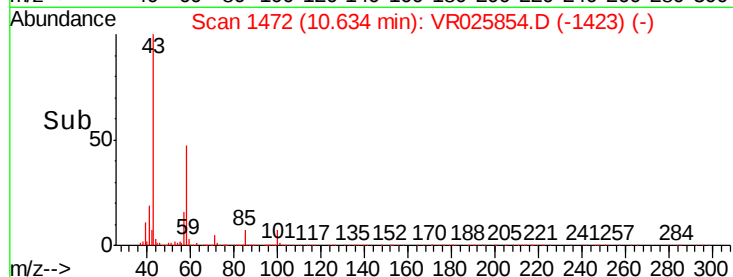
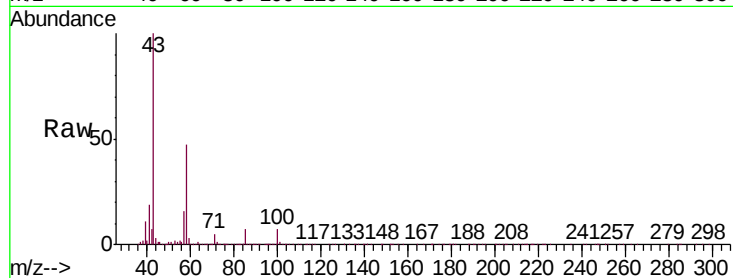




#48
2-Hexanone
Concen: 51.544 ug/L
RT: 10.63 min Scan# 1472
Delta R.T. -0.00 min
Lab File: VR025854.D
Acq: 25 Sep 2018 19:07

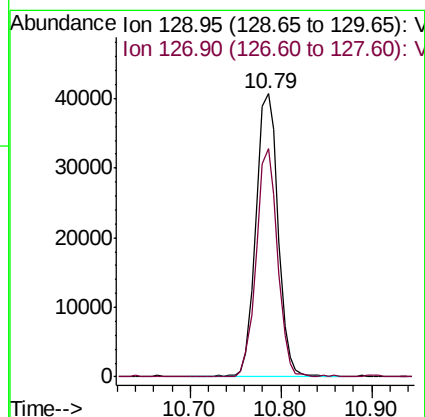
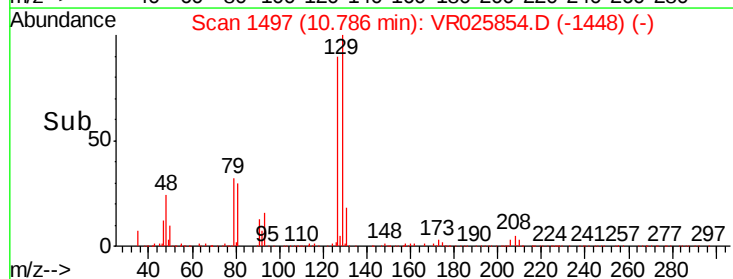
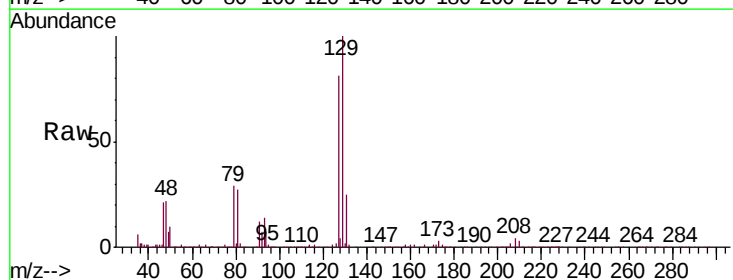
Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

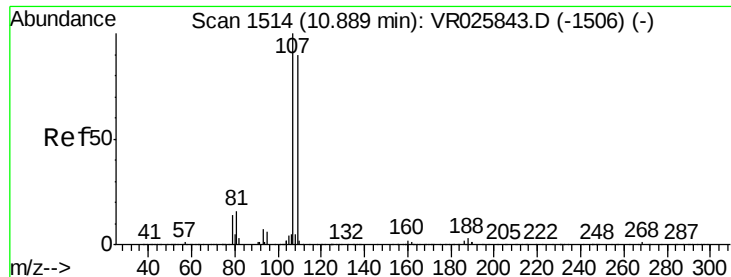
Tgt Ion:	43	Resp:	418761
Ion	Ratio	Lower	Upper
43	100		
58	46.5	39.5	59.3
57	17.1	14.6	21.8
100	7.9	6.7	10.1



#49
Dibromochloromethane
Concen: 4.472 ug/L
RT: 10.79 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VR025854.D
Acq: 25 Sep 2018 19:07

Tgt Ion:	129	Resp:	69307
Ion	Ratio	Lower	Upper
129	100		
127	80.8	54.1	100.5

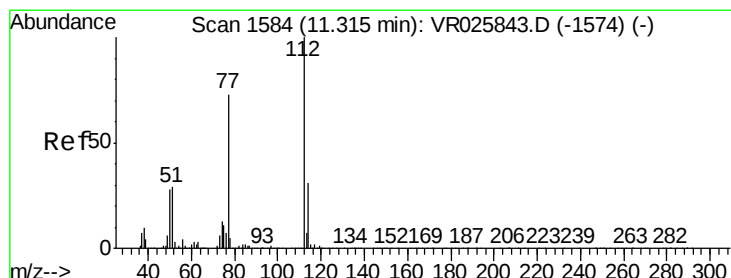
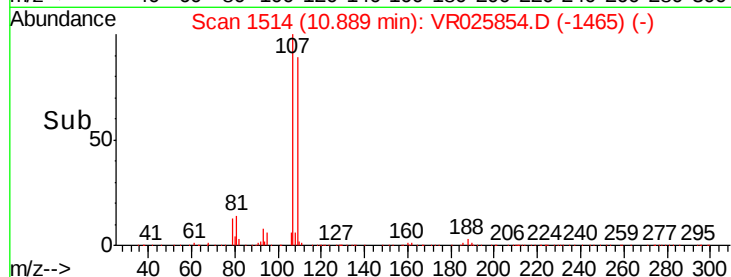
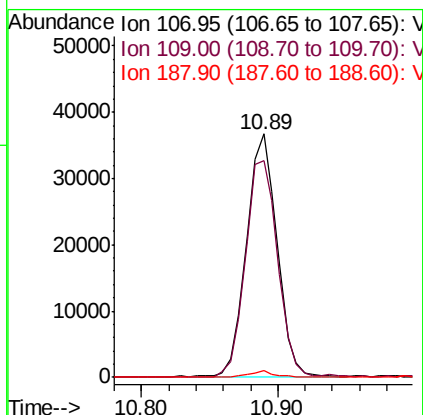
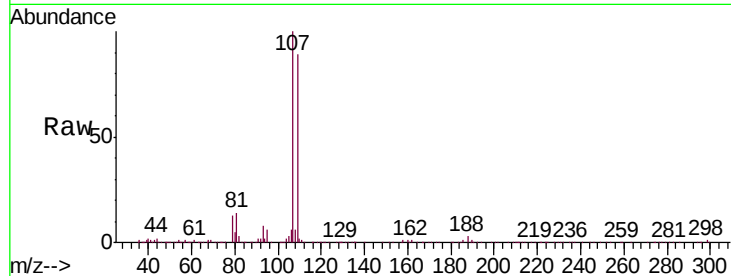




#50
1,2-Dibromoethane
Concen: 4.446 ug/L
RT: 10.89 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VR025854.D
Acq: 25 Sep 2018 19:07

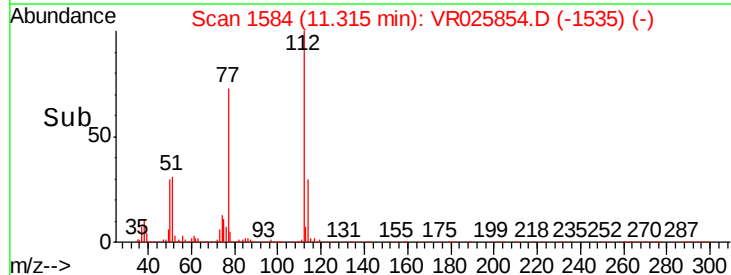
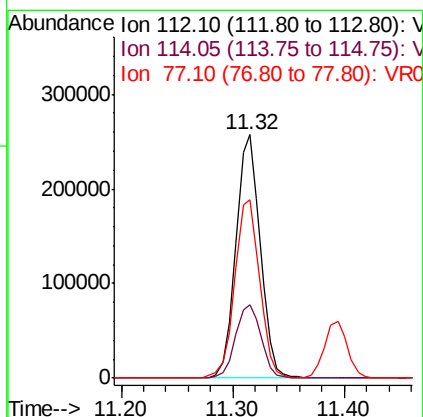
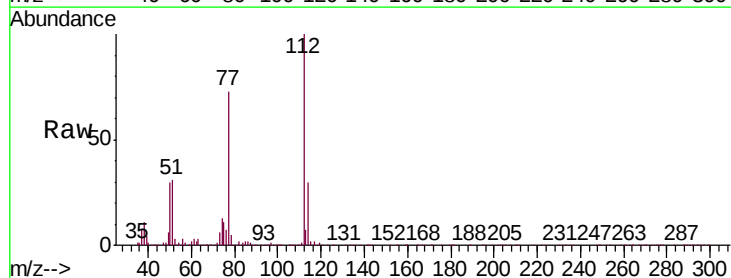
Instrument :
MSVOA_R
ClientSampleId :
VSTD00585

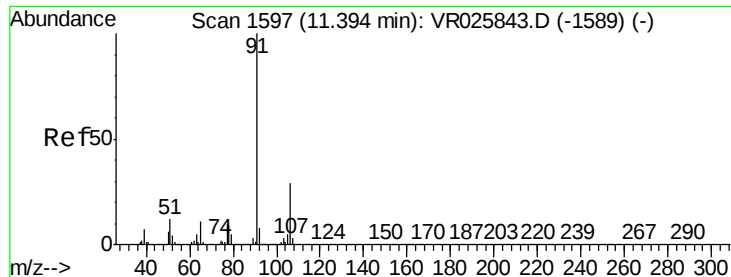
Tgt Ion:107 Resp: 58205
Ion Ratio Lower Upper
107 100
109 88.9 63.5 117.9
188 3.0 1.7 2.5#



#51
Chlorobenzene
Concen: 4.564 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VR025854.D
Acq: 25 Sep 2018 19:07

Tgt Ion:112 Resp: 388345
Ion Ratio Lower Upper
112 100
114 30.0 22.7 42.3
77 73.2 58.5 87.7





#52

Ethylbenzene

Concen: 4.727 ug/L

RT: 11.39 min Scan# 1597

Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

MSVOA_R

ClientSampleId :

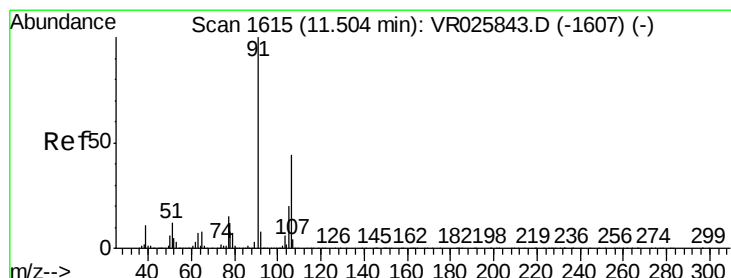
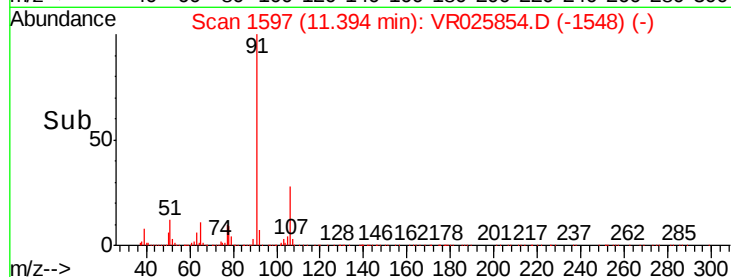
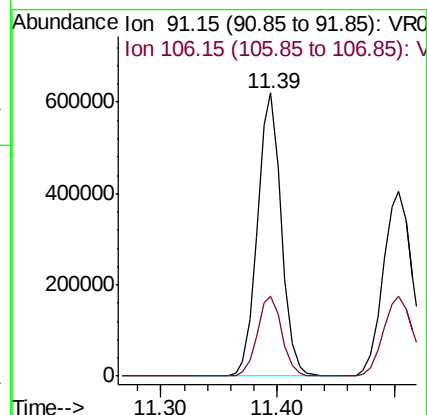
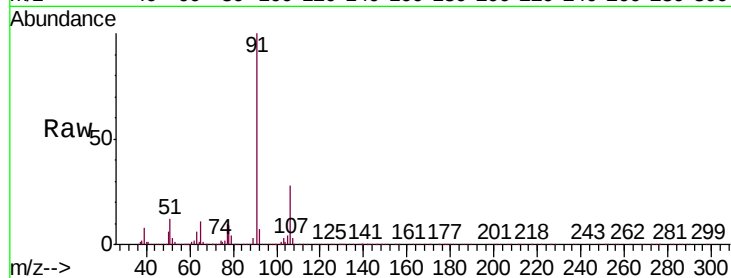
VSTD00585

Tgt Ion: 91 Resp: 882120

Ion Ratio Lower Upper

91 100

106 28.4 20.6 38.4



#53

m,p-Xylene

Concen: 4.576 ug/L

RT: 11.50 min Scan# 1615

Delta R.T. -0.00 min

Lab File: VR025854.D

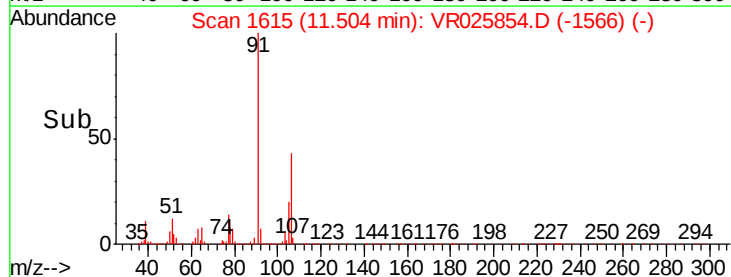
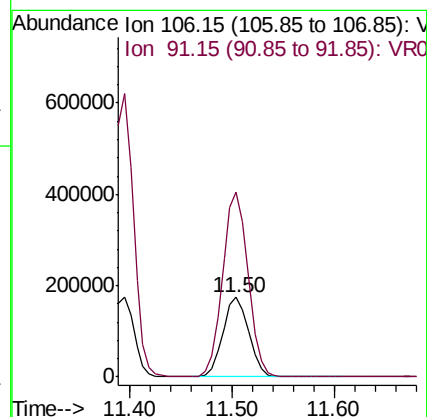
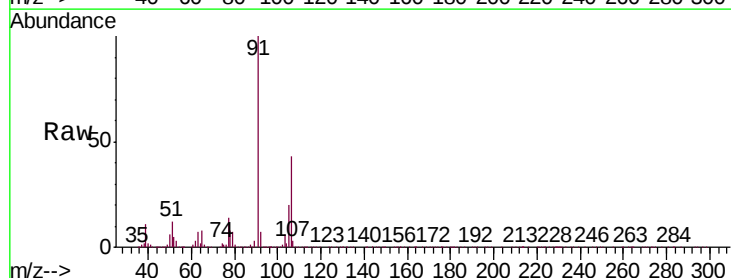
Acq: 25 Sep 2018 19:07

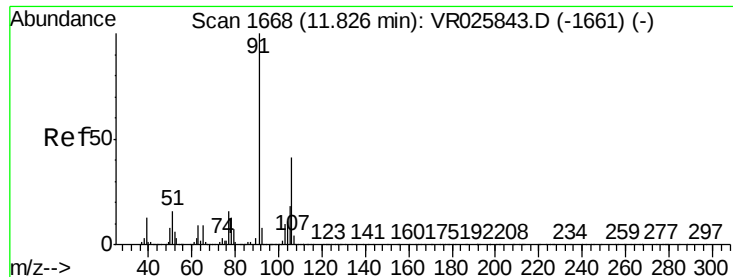
Tgt Ion: 106 Resp: 307933

Ion Ratio Lower Upper

106 100

91 231.9 159.7 296.5

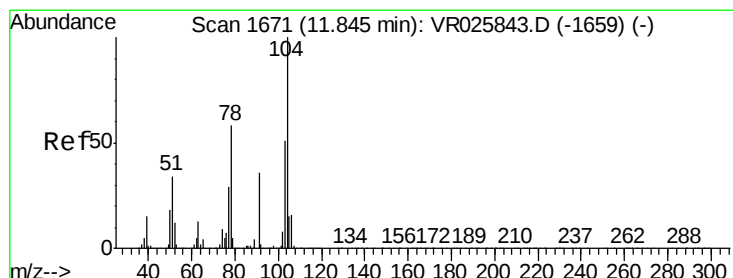
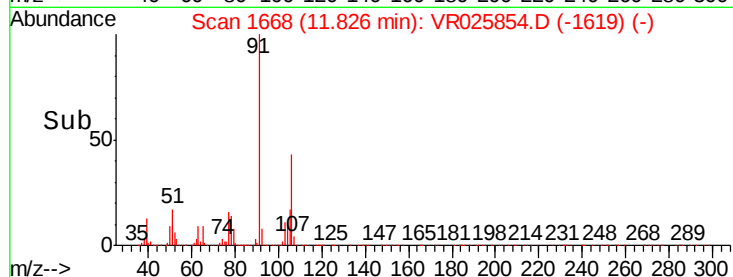
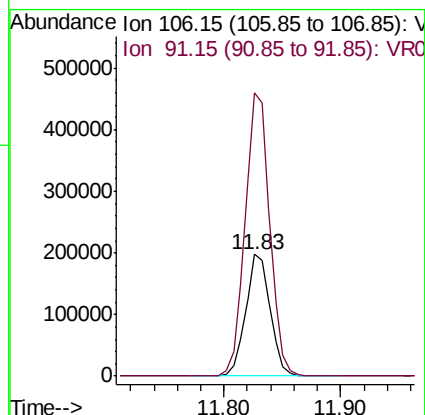
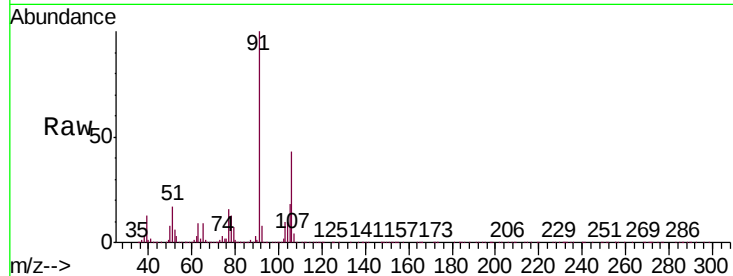




#54
o-Xylene
Concen: 4.688 ug/L
RT: 11.83 min Scan# 1668
Delta R.T. -0.00 min
Lab File: VR025854.D
Acq: 25 Sep 2018 19:07

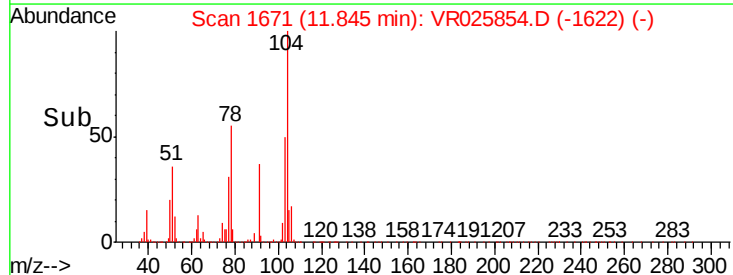
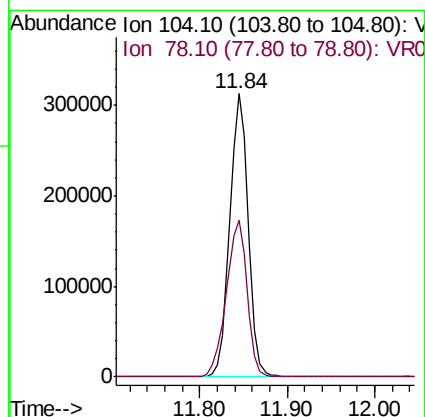
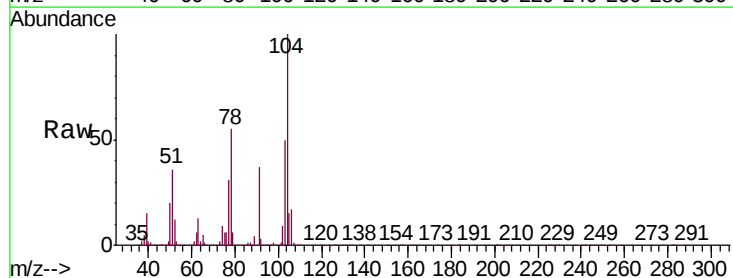
Instrument :
MSVOA_R
ClientSampled :
VSTD00585

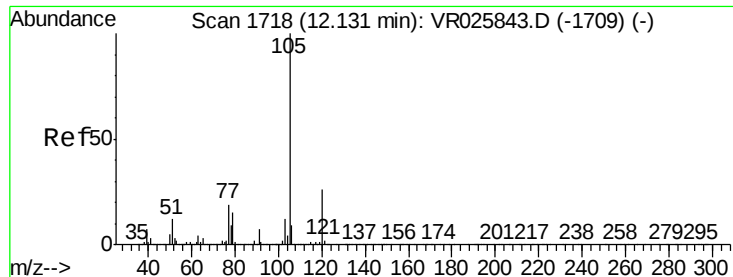
Tgt Ion:106 Resp: 288868
Ion Ratio Lower Upper
106 100
91 233.0 164.5 305.5



#55
Styrene
Concen: 4.801 ug/L
RT: 11.84 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VR025854.D
Acq: 25 Sep 2018 19:07

Tgt Ion:104 Resp: 458370
Ion Ratio Lower Upper
104 100
78 55.2 39.3 72.9





#56

Isopropylbenzene

Concen: 4.612 ug/L

RT: 12.13 min Scan# 1718

Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

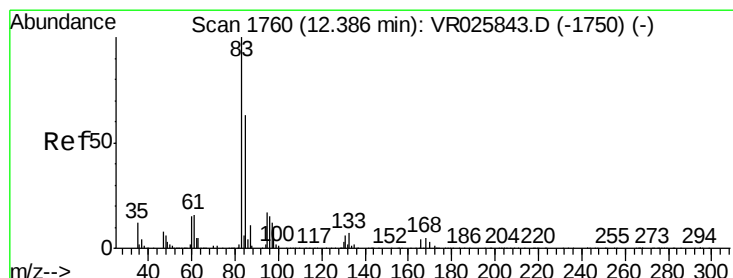
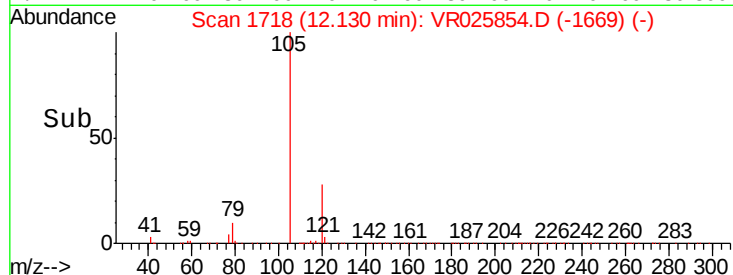
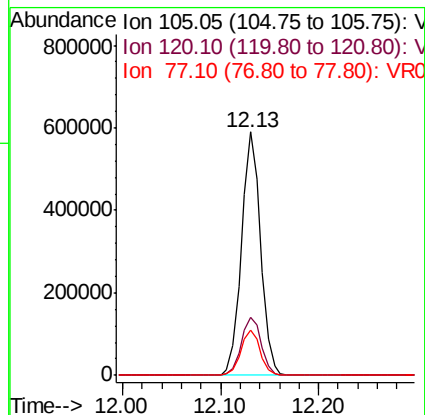
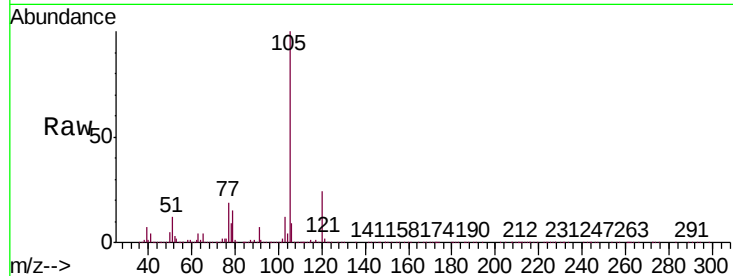
Instrument :

MSVOA_R

ClientSampleId :

VSTD00585

Tgt Ion:	105	Resp:	795377
Ion	Ratio	Lower	Upper
105	100		
120	24.9	19.8	29.8
77	18.9	15.5	23.3



#58

1,1,2,2-Tetrachloroethane

Concen: 4.909 ug/L

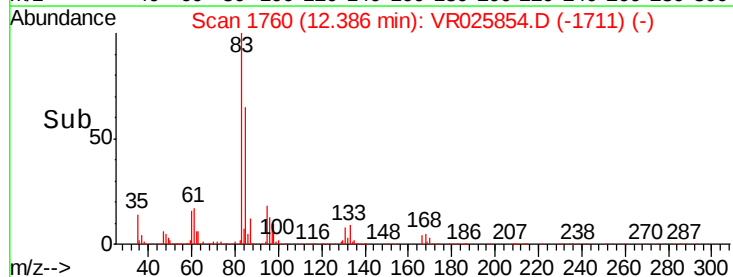
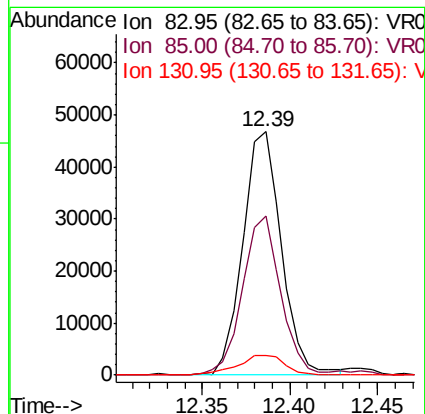
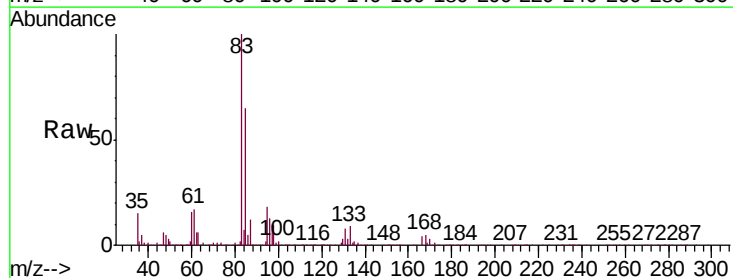
RT: 12.39 min Scan# 1760

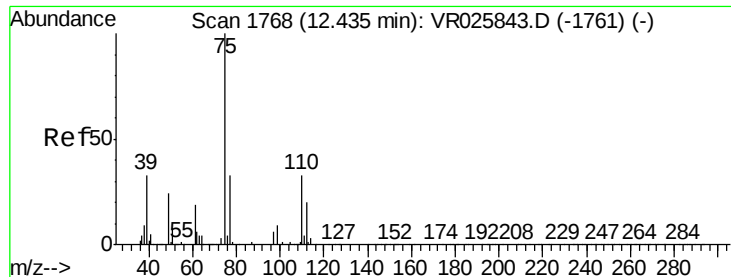
Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Tgt Ion:	83	Resp:	71655
Ion	Ratio	Lower	Upper
83	100		
85	65.2	45.8	85.0
131	8.1	6.6	9.8





#59

1,2,3-Trichloropropane

Concen: 4.679 ug/L

RT: 12.43 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

MSVOA_R

ClientSampleId :

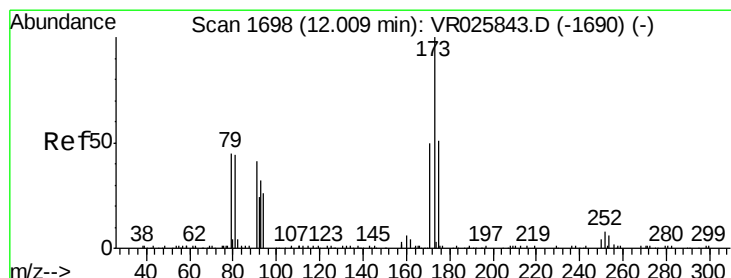
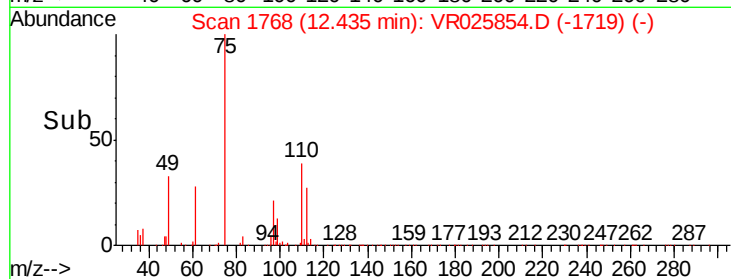
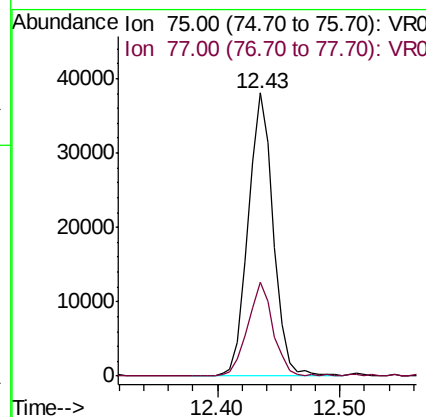
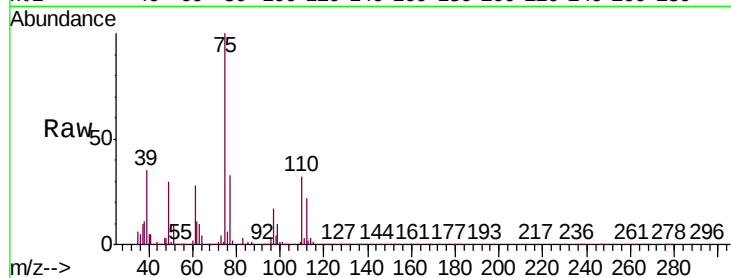
VSTD00585

Tgt Ion: 75 Resp: 54230

Ion Ratio Lower Upper

75 100

77 33.5 25.8 38.6



#61

Bromoform

Concen: 4.008 ug/L

RT: 12.01 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

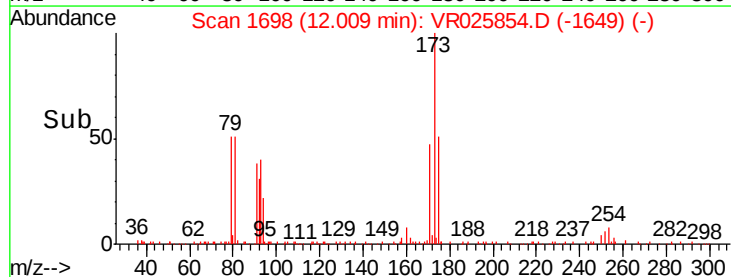
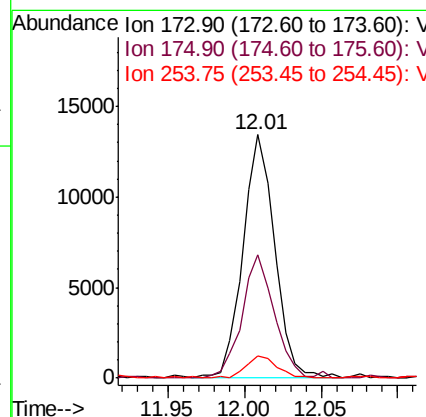
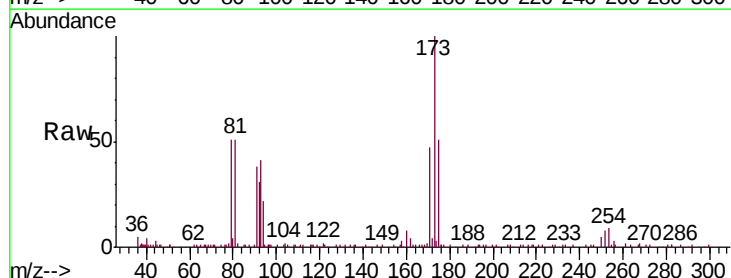
Tgt Ion: 173 Resp: 19403

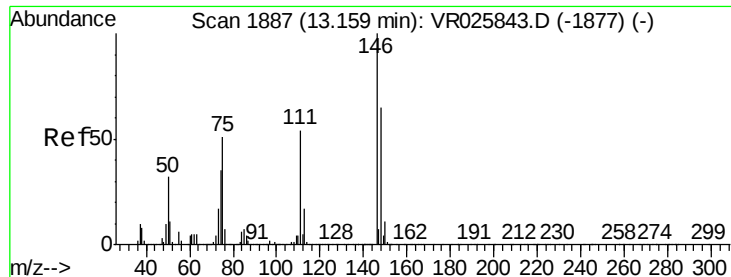
Ion Ratio Lower Upper

173 100

175 51.3 36.9 55.3

254 8.8 6.6 10.0

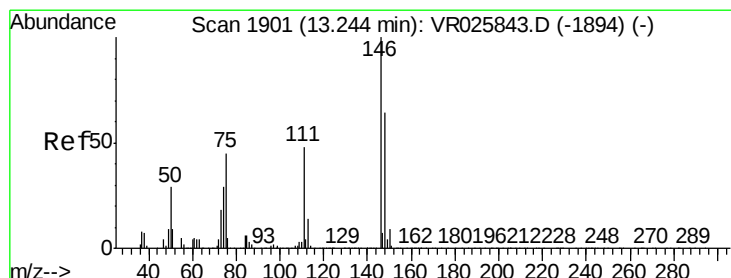
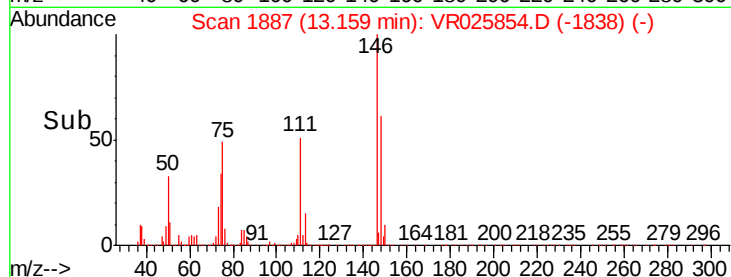
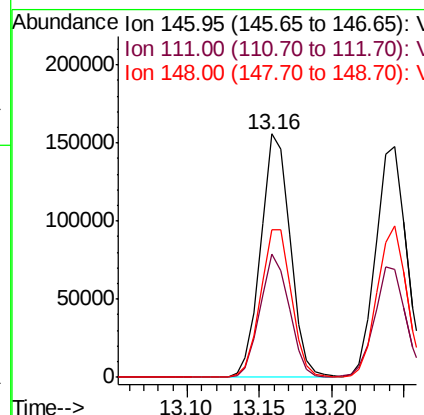
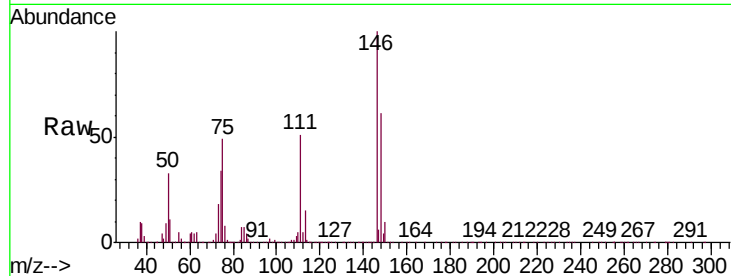




#62
 1,3-Dichlorobenzene
 Concen: 4.566 ug/L
 RT: 13.16 min Scan# 1887
 Delta R.T. -0.00 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

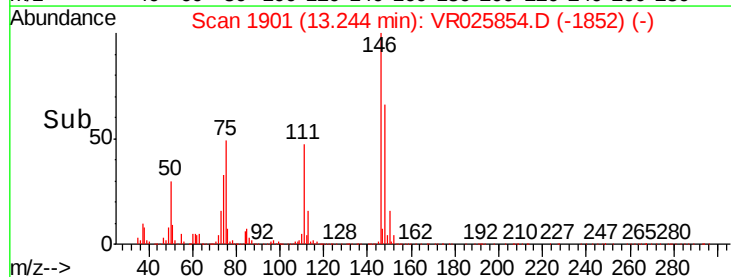
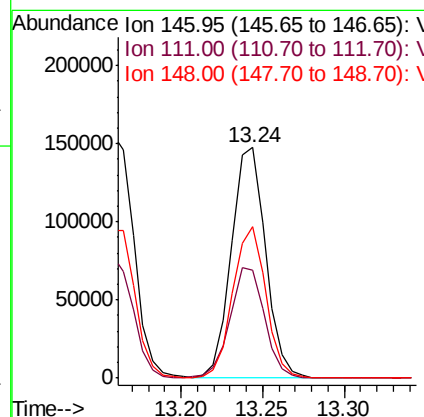
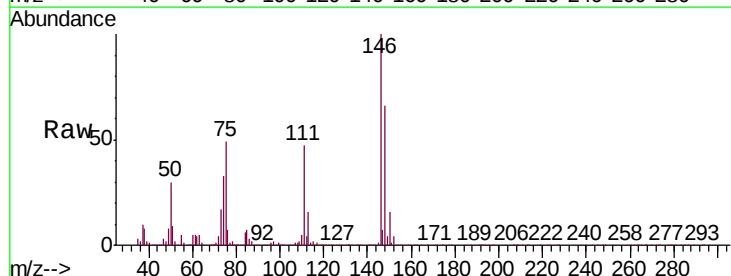
Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

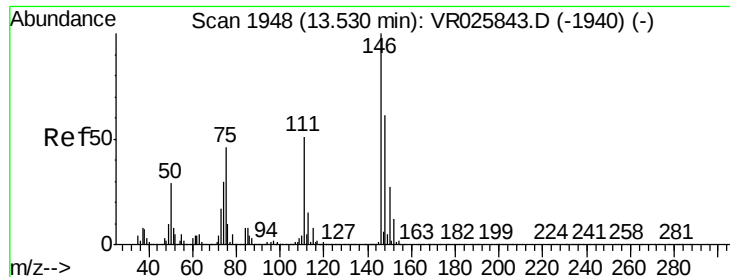
Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.5	36.6	68.0
148	60.7	41.9	77.7



#63
 1,4-Dichlorobenzene
 Concen: 4.640 ug/L
 RT: 13.24 min Scan# 1901
 Delta R.T. -0.00 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.0	32.9	61.1
148	65.9	45.5	84.5





#65

1,2-Dichlorobenzene

Concen: 4.677 ug/L

RT: 13.53 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

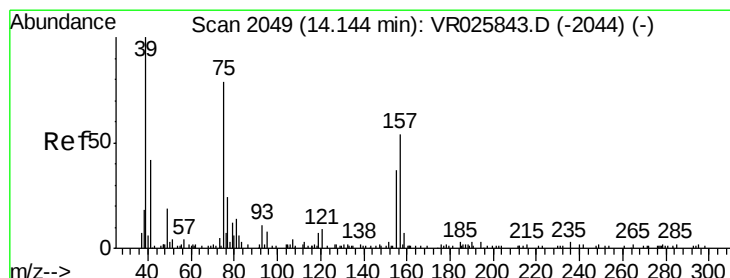
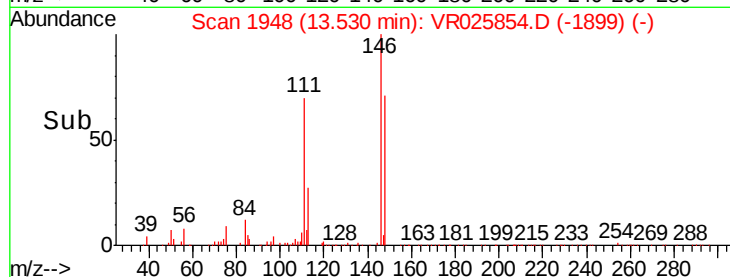
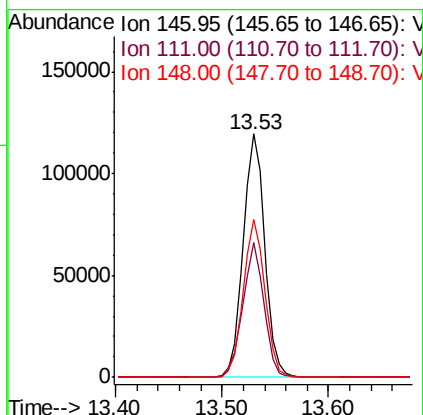
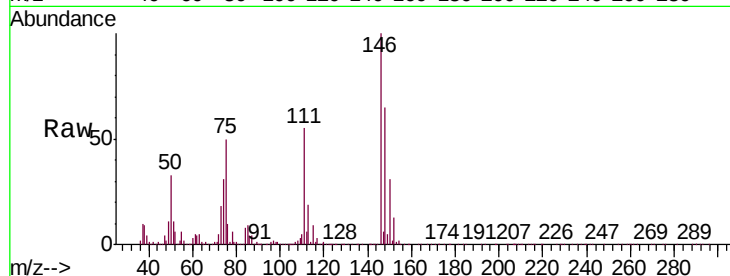
Instrument :

MSVOA_R

ClientSampleId :

VSTD00585

Tgt Ion:	146	Resp:	170930
Ion	Ratio	Lower	Upper
146	100		
111	55.3	39.4	59.0
148	64.6	53.5	80.3



#66

1,2-Dibromo-3-chloropropane

Concen: 4.759 ug/L

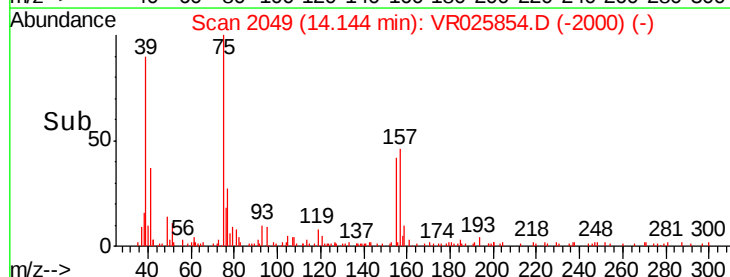
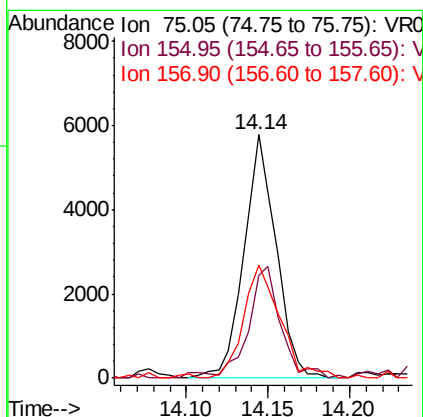
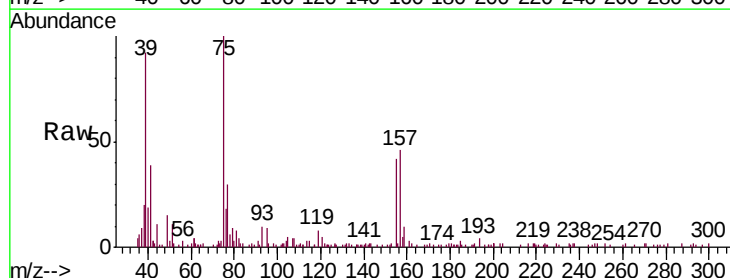
RT: 14.14 min Scan# 2049

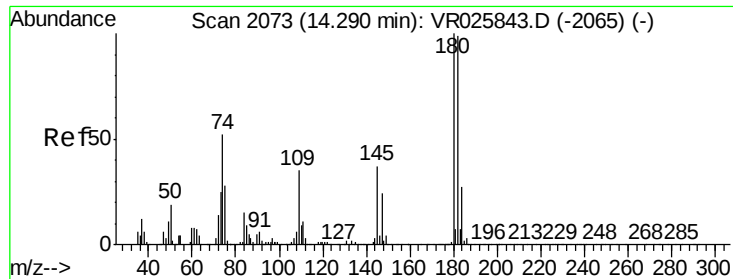
Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Tgt Ion:	75	Resp:	7952
Ion	Ratio	Lower	Upper
75	100		
155	42.3	37.8	56.6
157	46.4	49.7	74.5#

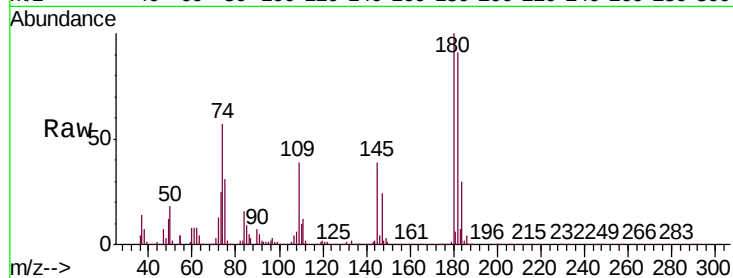




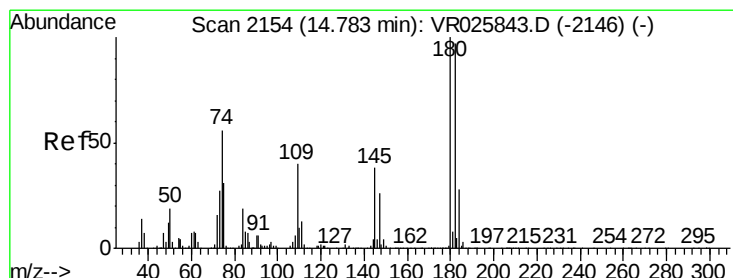
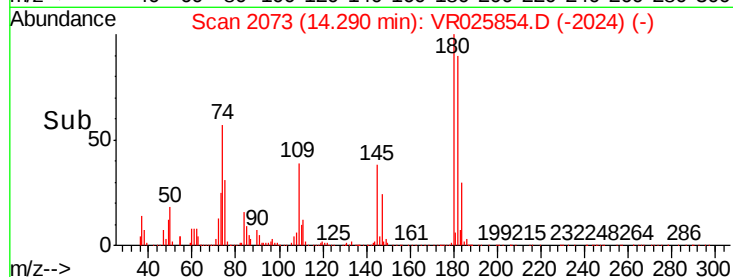
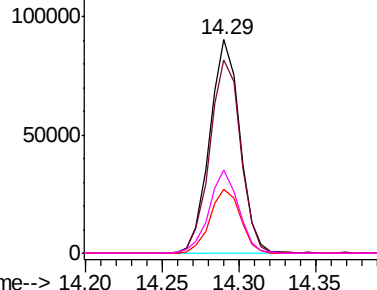
#67
 1,3,5-Trichlorobenzene
 Concen: 4.574 ug/L
 RT: 14.29 min Scan# 2073
 Delta R.T. -0.00 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTD00585

Tgt Ion:	180	Resp:	123867
Ion	Ratio	Lower	Upper
180	100		
182	92.0	77.2	115.8
184	30.3	24.5	36.7
145	37.8	31.1	46.7

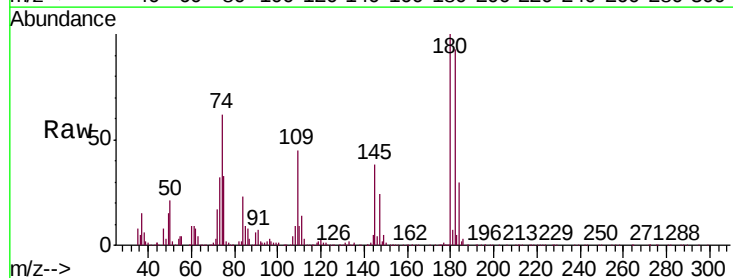


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

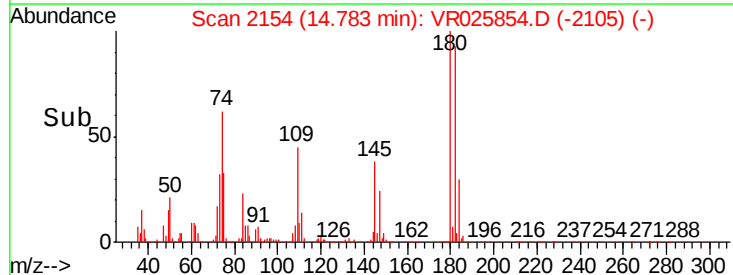
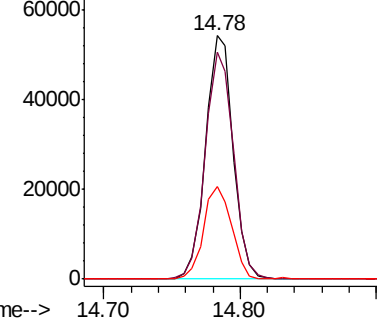


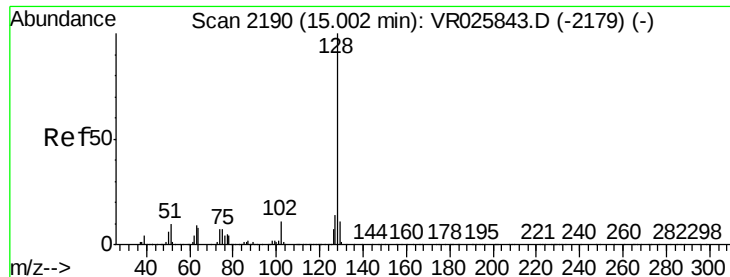
#68
 1,2,4-trichlorobenzene
 Concen: 4.414 ug/L
 RT: 14.78 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VR025854.D
 Acq: 25 Sep 2018 19:07

Tgt Ion:	180	Resp:	76043
Ion	Ratio	Lower	Upper
180	100		
182	95.9	75.2	112.8
145	38.7	30.5	45.7



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: 4.785 ug/L

RT: 15.00 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

Instrument :

MSVOA_R

ClientSampleId :

VSTD00585

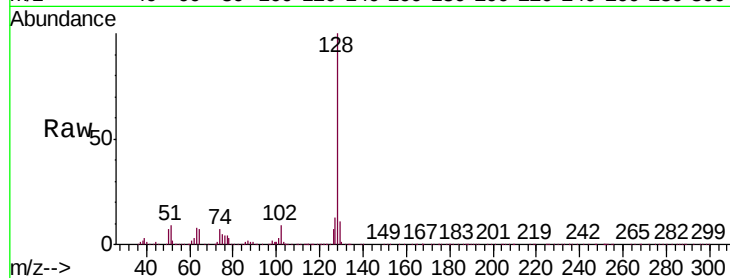
Tgt Ion:128 Resp: 119988

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

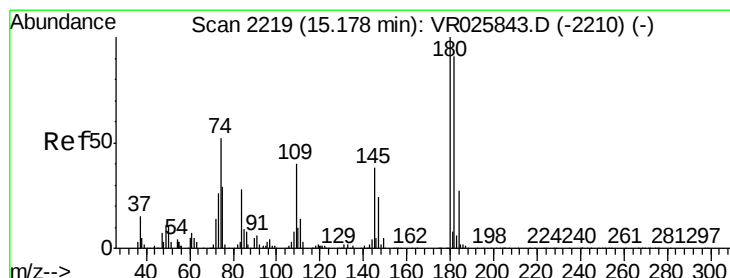
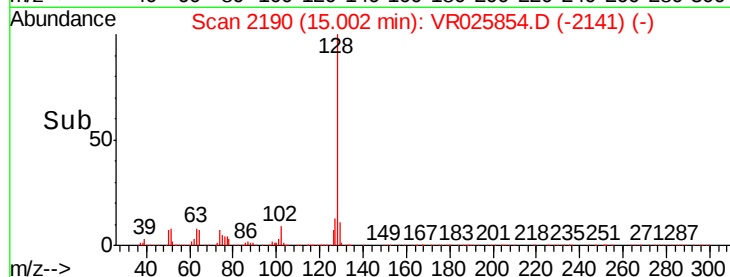
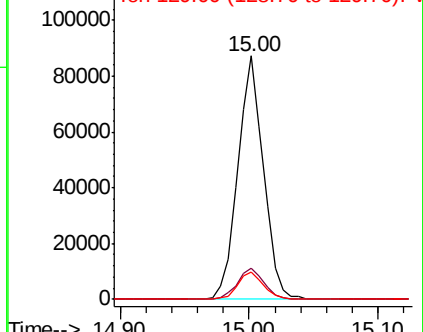
129 11.2 9.4 14.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.429 ug/L

RT: 15.18 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VR025854.D

Acq: 25 Sep 2018 19:07

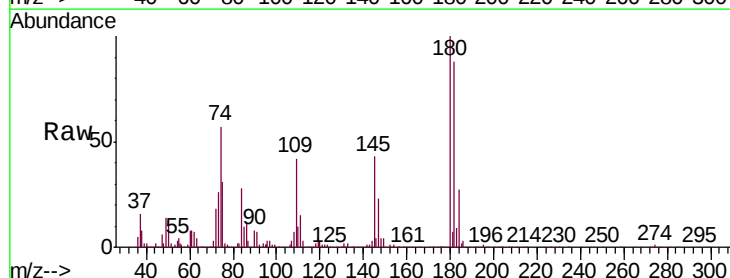
Tgt Ion:180 Resp: 54209

Ion Ratio Lower Upper

180 100

182 92.8 74.7 112.1

145 41.2 31.3 46.9



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

