

Data File : VV010490.D
Acq On : 25 Apr 2019 03:49
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

Quant Time: Apr 25 04:10:30 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Apr 25 04:02:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	244227	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	254805	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	133833	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58157	4.08	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	81.60%
7) Chloroethane-d5	1.58	69	46496	4.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	87.20%
11) 1,1-Dichloroethene-d2	2.13	63	122356	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	3.96	46	149944	49.67	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.34%
24) Chloroform-d	4.40	84	140232	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.09	65	72135	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.10	84	282000	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.12	67	82437	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	7.36	98	284998	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.67	79	28860	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	8.14	63	124070	46.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	64449	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	116501	4.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	92847	4.874	ug/L 96
3) Chloromethane	1.25	50	71441	4.644	ug/L 99
5) Vinyl chloride	1.32	62	80152	4.815	ug/L 96
6) Bromomethane	1.53	94	50393	4.604	ug/L 91
8) Chloroethane	1.60	64	45558	4.874	ug/L 98
9) Trichlorofluoromethane	1.77	101	153355	4.970	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	75831	4.672	ug/L 98
12) 1,1-Dichloroethene	2.14	96	67693	4.599	ug/L 94
13) Acetone	2.20	43	77806	42.839	ug/L 95
14) Carbon disulfide	2.32	76	177007	4.450	ug/L 99
15) Methyl Acetate	2.46	43	19343	4.111	ug/L 93
16) Methylene chloride	2.54	84	69355	4.315	ug/L 96
17) Methyl tert-butyl Ether	2.81	73	154381	4.466	ug/L 98
18) trans-1,2-Dichloroethene	2.79	96	73026	4.550	ug/L 96
19) 1,1-Dichloroethane	3.23	63	120477	4.709	ug/L 99
21) 2-Butanone	4.04	43	163918	51.488	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	87828	5.252	ug/L 98

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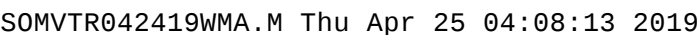
Instrument :
MSVOA_V
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VSTD00546

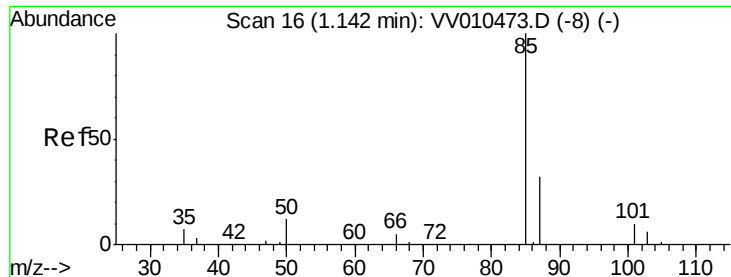
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	38645	5.300	ug/L	95
25) Chloroform	4.43	83	166524	5.522	ug/L	99
27) 1,2-Dichloroethane	5.18	62	92794	5.244	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	143111	4.823	ug/L	99
30) Cyclohexane	4.72	56	113207	4.523	ug/L	97
31) Carbon tetrachloride	4.87	117	131159	4.862	ug/L	98
33) Benzene	5.15	78	327056	5.021	ug/L	100
34) Trichloroethene	5.96	95	89864	4.781	ug/L	91
35) Methylcyclohexane	6.17	83	123751	4.387	ug/L	99
37) 1,2-Dichloropropane	6.22	63	76492	4.838	ug/L	100
38) Bromodichloromethane	6.56	83	103501	4.863	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	97762	4.170	ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	414186	46.335	ug/L	100
42) Toluene	7.43	91	371331	5.009	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	77759	4.294	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	58851	5.082	ug/L	95
47) Tetrachloroethene	8.02	164	80190	4.778	ug/L	96
48) 2-Hexanone	8.19	43	291378	46.861	ug/L	98
49) Dibromochloromethane	8.29	129	72880	4.872	ug/L	96
50) 1,2-Dibromoethane	8.40	107	54610	4.865	ug/L	98
51) Chlorobenzene	8.93	112	250233	4.969	ug/L	95
52) Ethylbenzene	9.05	91	390769	4.744	ug/L	98
53) m,p-xylene	9.18	106	158927	4.907	ug/L	96
54) o-xylene	9.59	106	152541	4.801	ug/L	97
55) Styrene	9.60	104	262145	5.086	ug/L	97
56) Isopropylbenzene	9.97	105	413231	4.883	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	66910	5.023	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	47249	4.832	ug/L	97
61) Bromoform	9.78	173	38806	4.891	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	200971	4.820	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	204879	4.878	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	195743	4.948	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	9647	4.503	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	160438	4.698	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	120266	4.654	ug/L	98
69) Naphthalene	13.55	128	155282	4.050	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	118107	4.821	ug/L	98

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

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#2

Dichlorodifluoromethane

Concen: 4.874 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

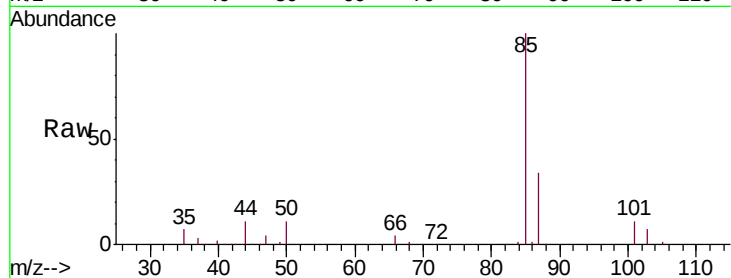
VSTD00546

Tgt Ion: 85 Resp: 92847

Ion Ratio Lower Upper

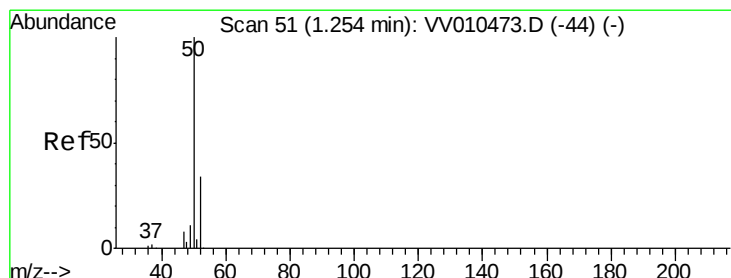
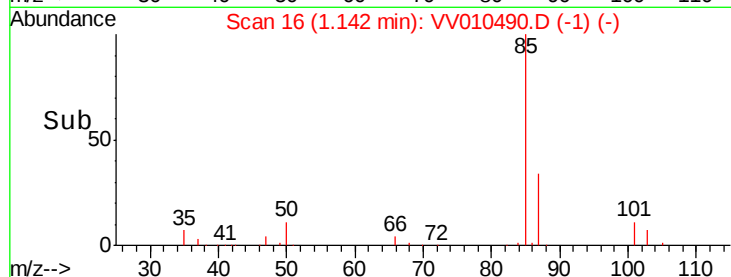
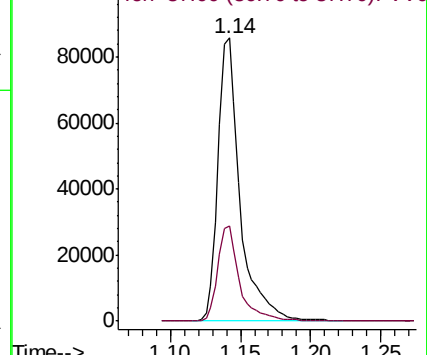
85 100

87 33.3 24.8 37.2



Abundance Ion 85.00 (84.70 to 85.70): VV010473.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV010473.D (-8) (-)



#3

Chloromethane

Concen: 4.644 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV010490.D

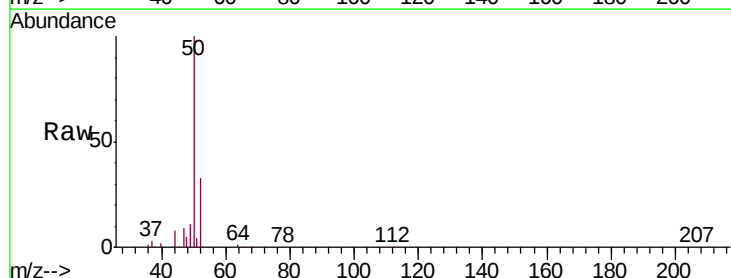
Acq: 25 Apr 2019 03:49

Tgt Ion: 50 Resp: 71441

Ion Ratio Lower Upper

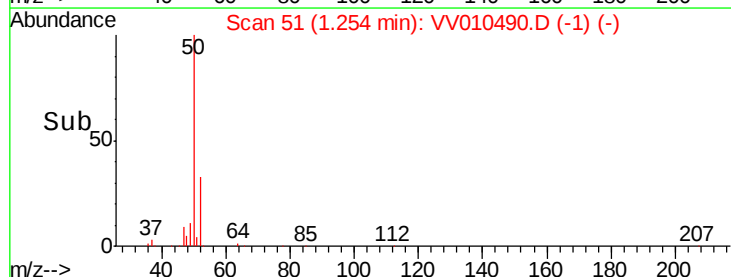
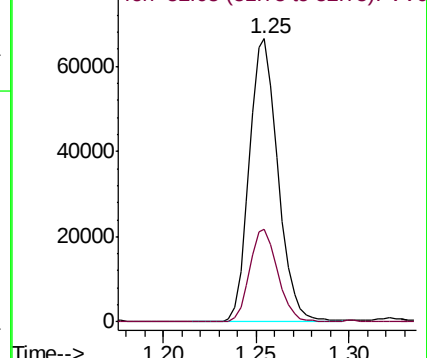
50 100

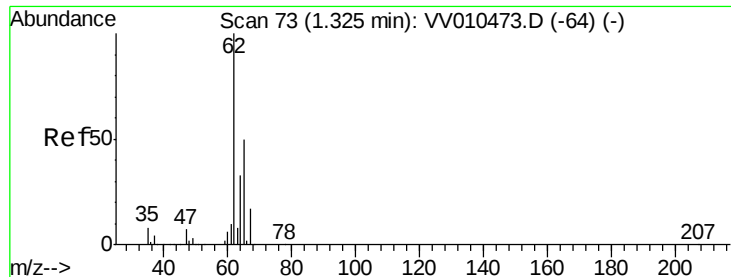
52 32.8 22.7 42.3



Abundance Ion 50.05 (49.75 to 50.75): VV010473.D (-44) (-)

Ion 52.05 (51.75 to 52.75): VV010473.D (-44) (-)





#5

Vinyl chloride

Concen: 4.815 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

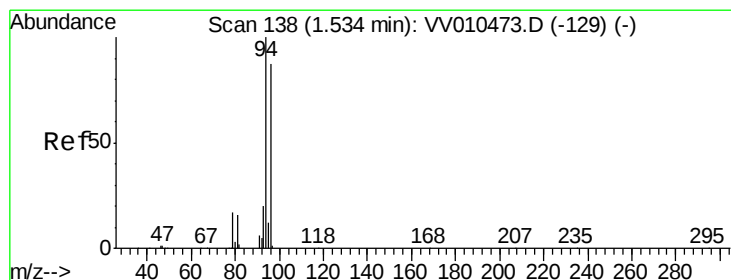
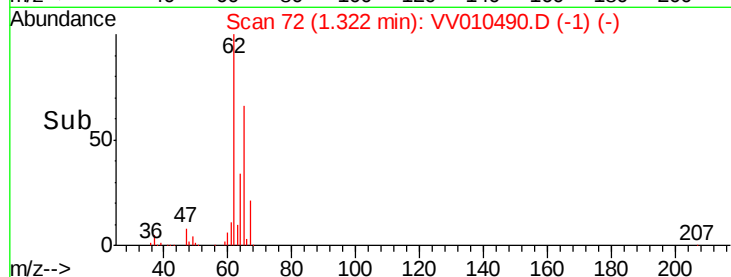
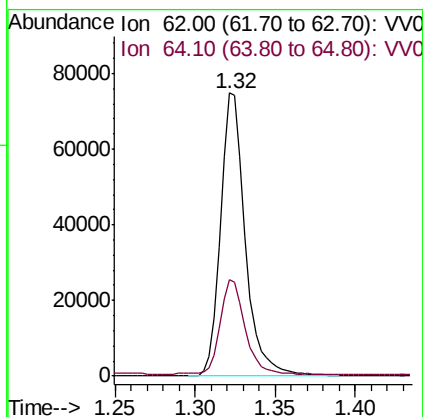
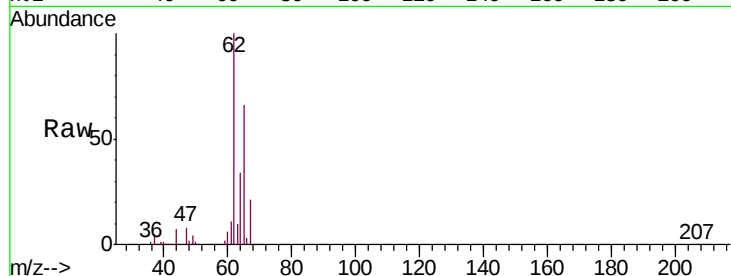
VSTD00546

Tgt Ion: 62 Resp: 80152

Ion Ratio Lower Upper

62 100

64 34.1 25.4 47.2



#6

Bromomethane

Concen: 4.604 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV010490.D

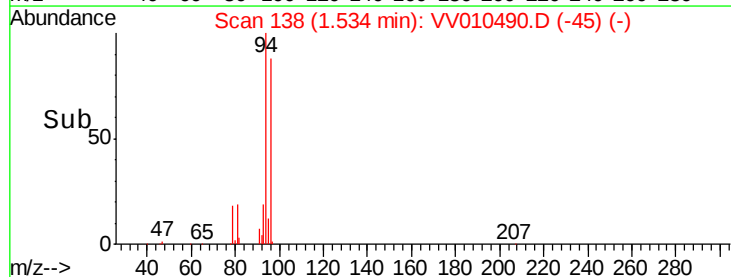
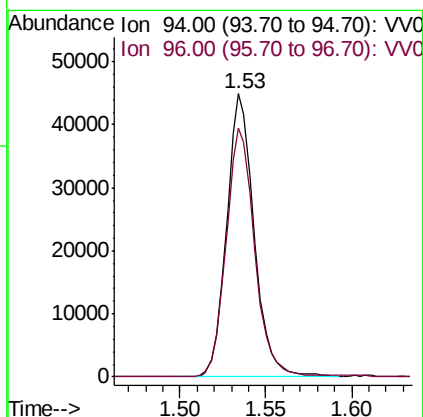
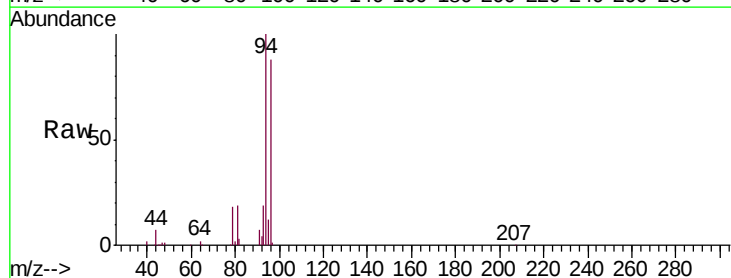
Acq: 25 Apr 2019 03:49

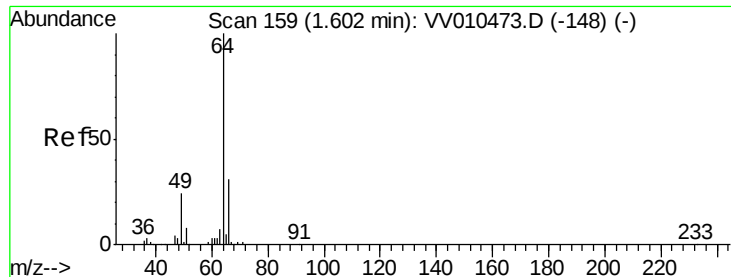
Tgt Ion: 94 Resp: 50393

Ion Ratio Lower Upper

94 100

96 87.9 67.6 125.6





#8

Chloroethane

Concen: 4.874 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

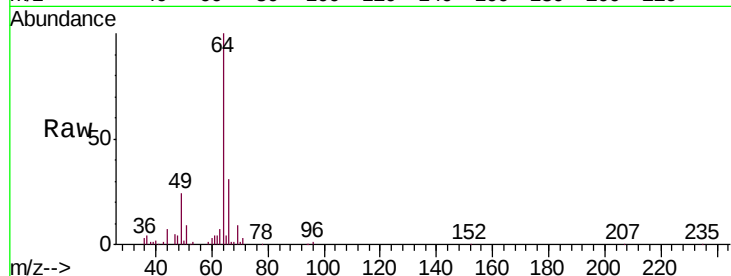
VSTD00546

Tgt Ion: 64 Resp: 45558

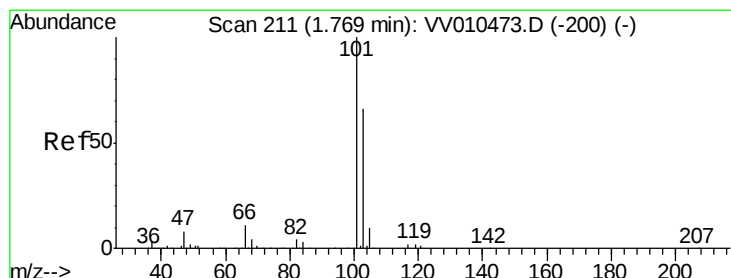
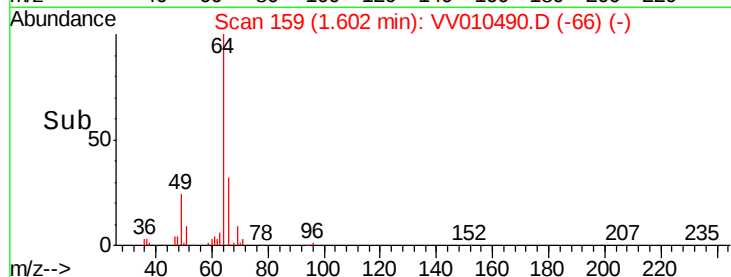
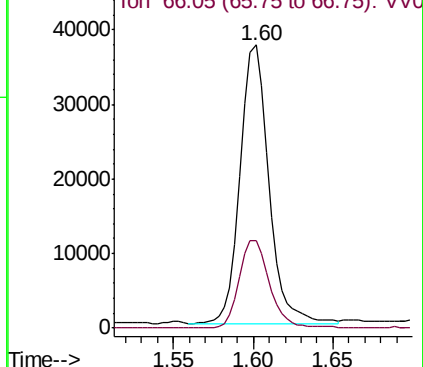
Ion Ratio Lower Upper

64 100

66 31.0 22.5 41.9



Abundance Ion 64.10 (63.80 to 64.80): VV010473.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 4.970 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV010490.D

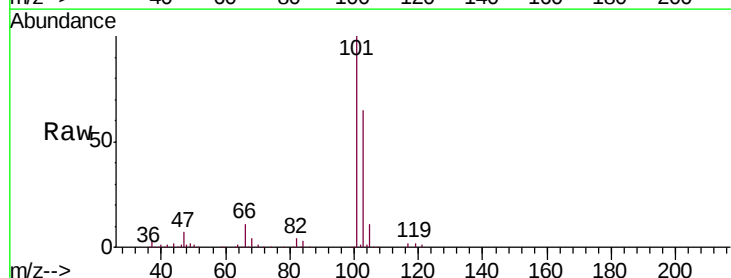
Acq: 25 Apr 2019 03:49

Tgt Ion: 101 Resp: 153355

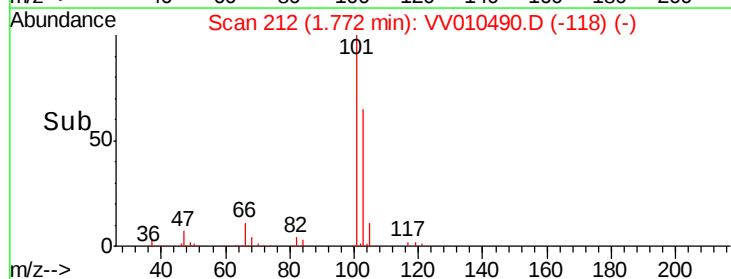
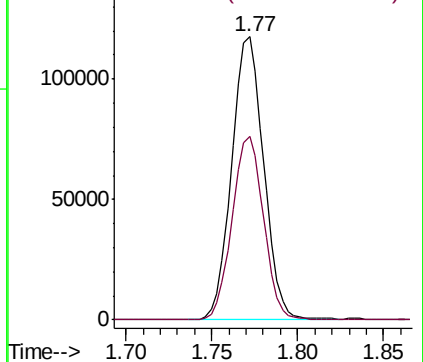
Ion Ratio Lower Upper

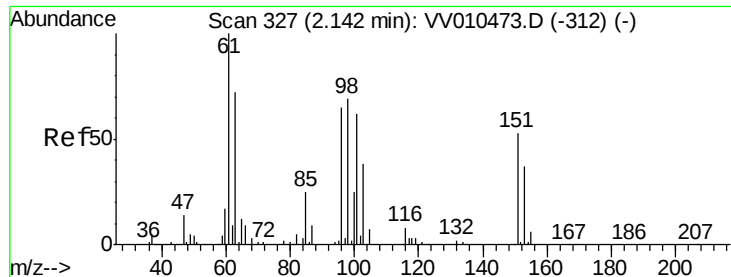
101 100

103 63.6 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): VV010473.D (-200) (-)





#10

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

Concen: 4.672 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

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ClientSampleId :

VSTD00546

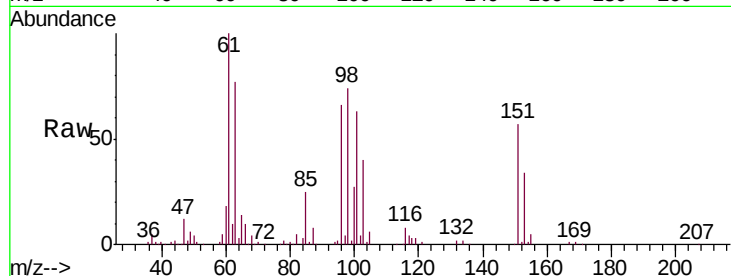
Tgt Ion:101 Resp: 75831

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.8

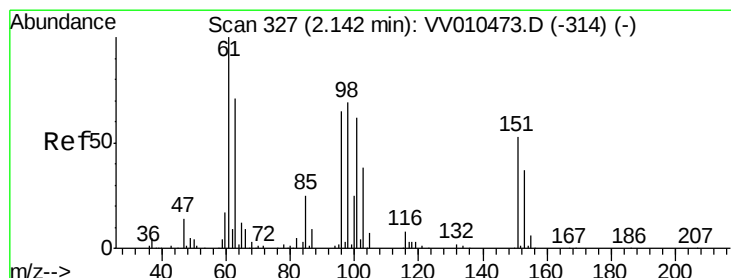
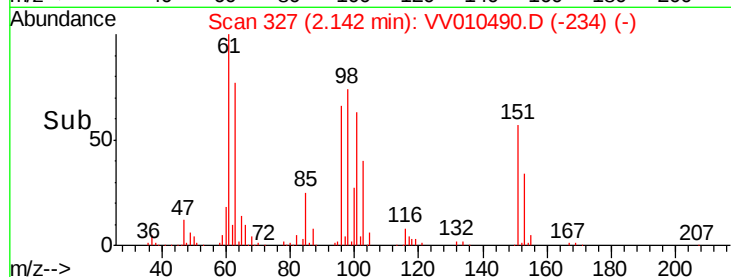
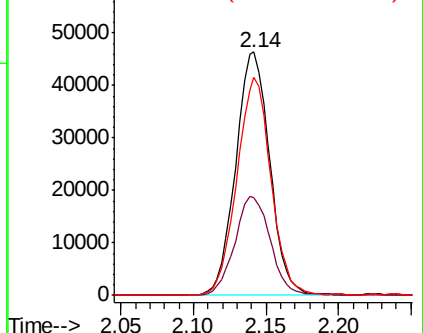
151 89.4 73.8 110.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.599 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

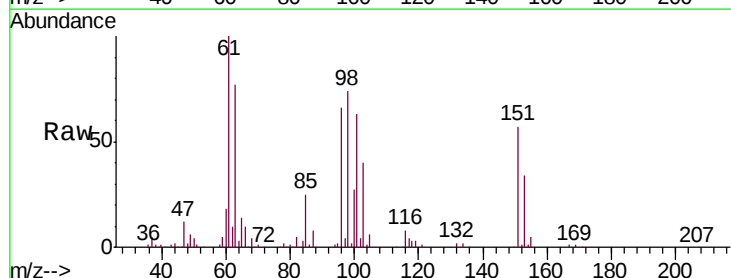
Tgt Ion: 96 Resp: 67693

Ion Ratio Lower Upper

96 100

61 150.8 104.3 193.7

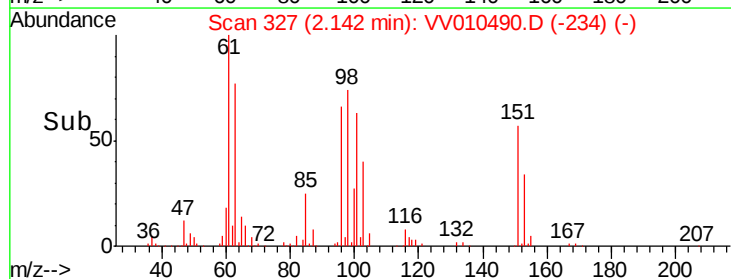
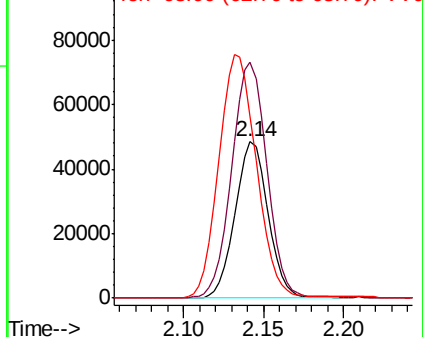
63 116.4 72.1 133.9

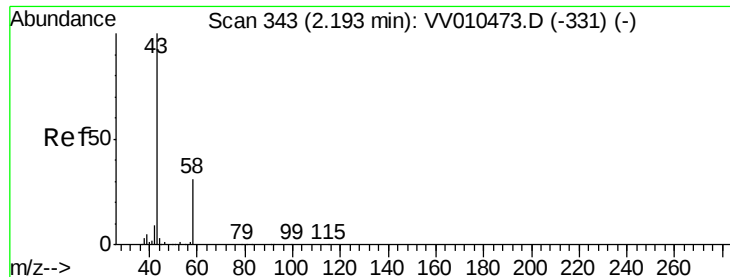


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 42.839 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

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ClientSampleId :

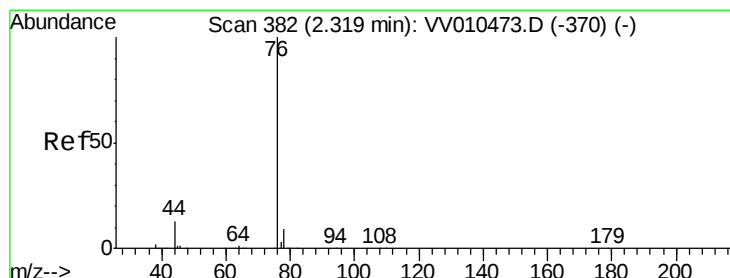
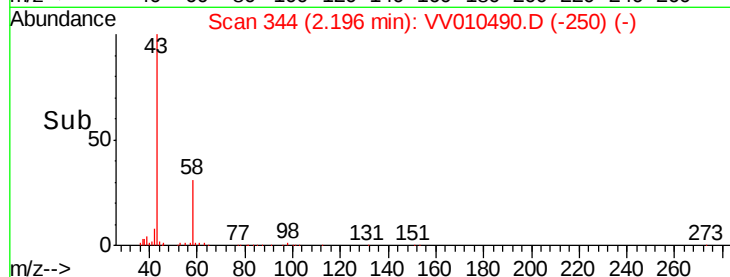
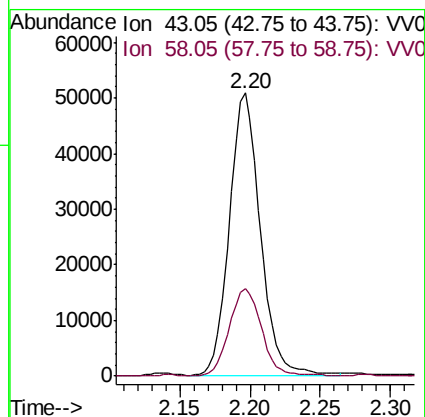
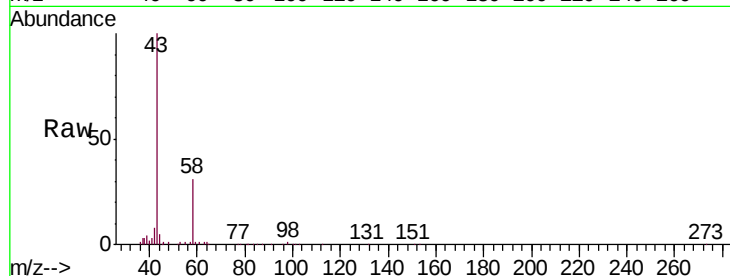
VSTD00546

Tgt Ion: 43 Resp: 77806

Ion Ratio Lower Upper

43 100

58 32.7 0.0 59.6



#14

Carbon disulfide

Concen: 4.450 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV010490.D

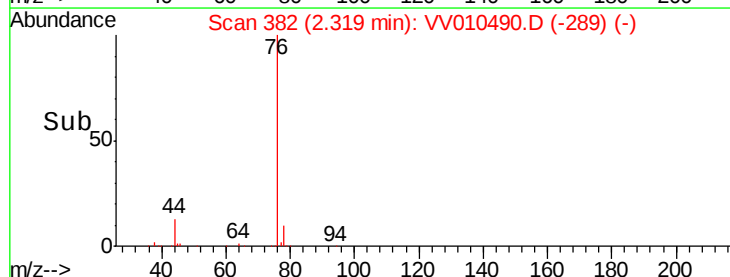
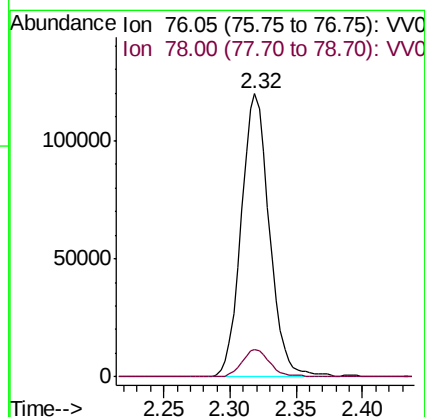
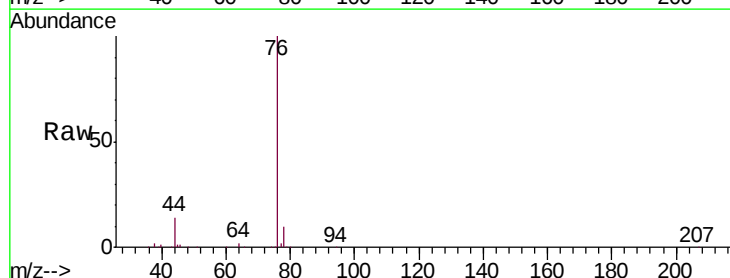
Acq: 25 Apr 2019 03:49

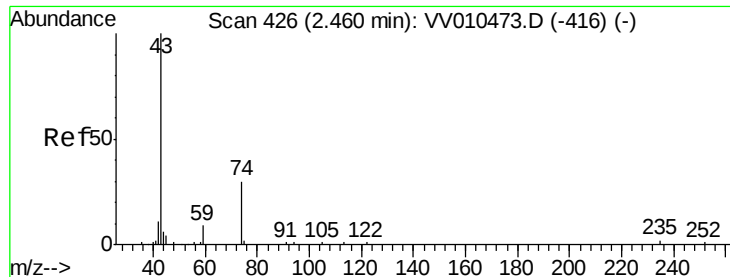
Tgt Ion: 76 Resp: 177007

Ion Ratio Lower Upper

76 100

78 9.7 7.5 11.3

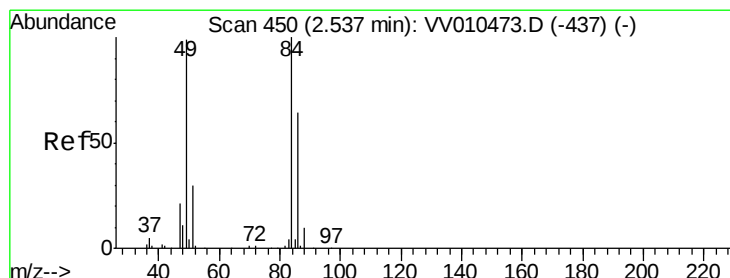
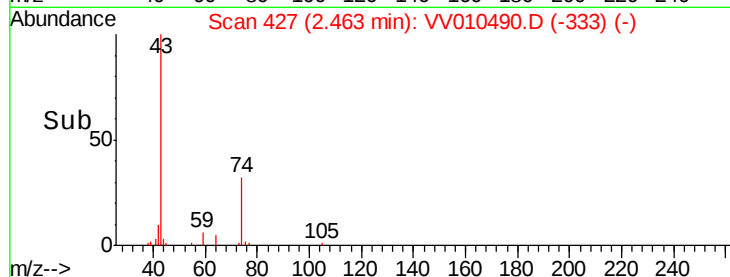
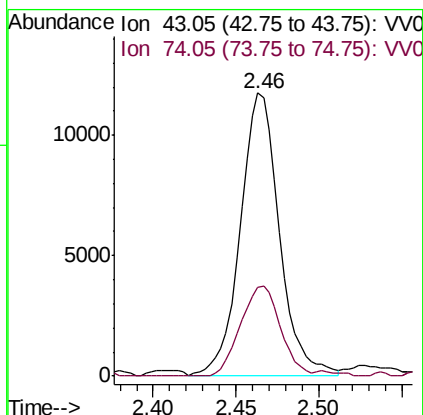
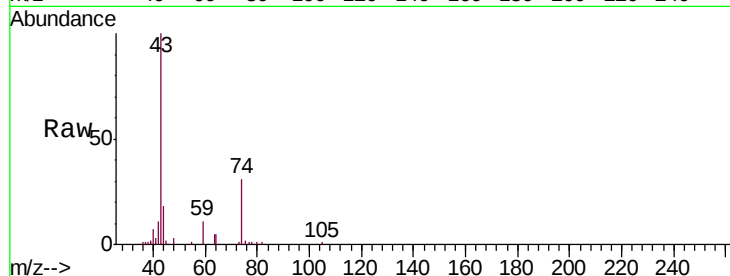




#15
Methyl Acetate
Concen: 4.111 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV010490.D
Acq: 25 Apr 2019 03:49

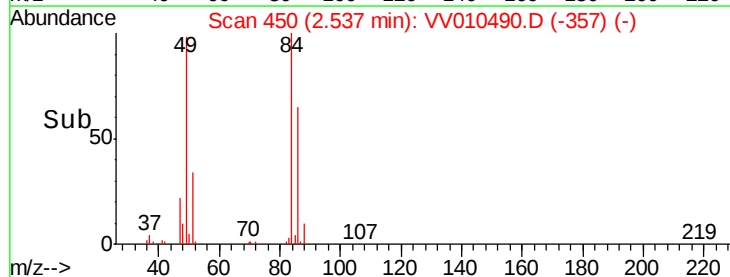
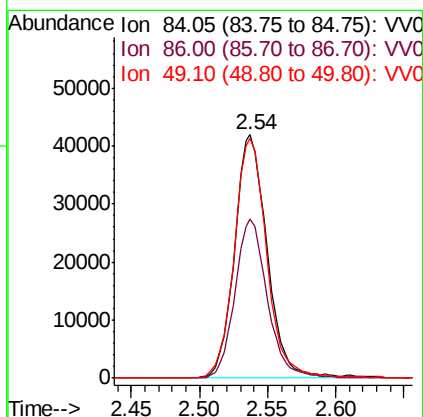
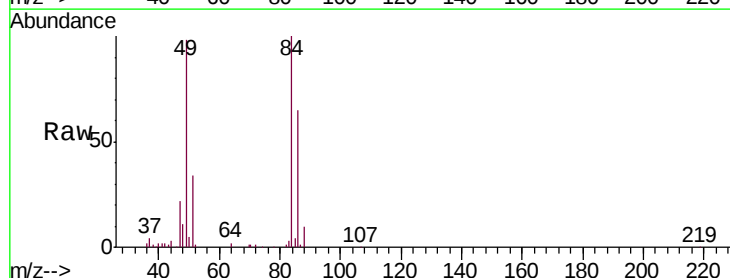
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

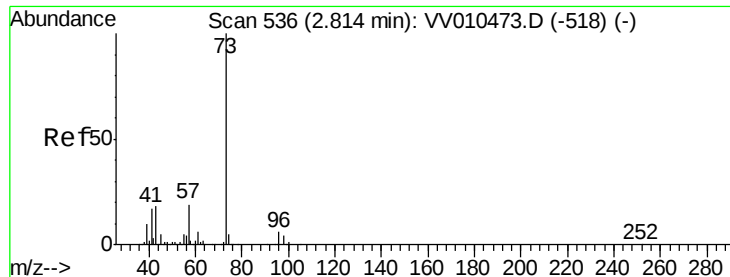
Tgt Ion: 43 Resp: 19343
Ion Ratio Lower Upper
43 100
74 32.3 23.0 34.6



#16
Methylene chloride
Concen: 4.315 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV010490.D
Acq: 25 Apr 2019 03:49

Tgt Ion: 84 Resp: 69355
Ion Ratio Lower Upper
84 100
86 65.1 44.7 83.1
49 98.4 72.7 135.1





#17

Methyl tert-butyl Ether

Concen: 4.466 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

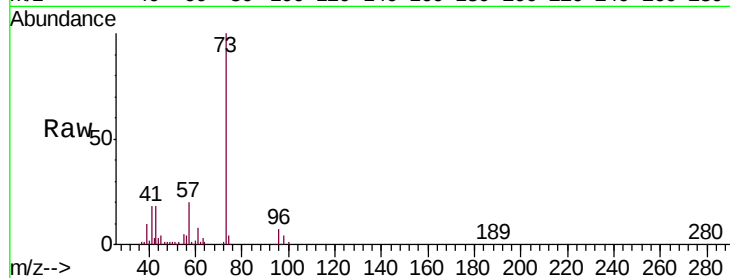
Tgt Ion: 73 Resp: 154381

Ion Ratio Lower Upper

73 100

43 19.3 14.9 22.3

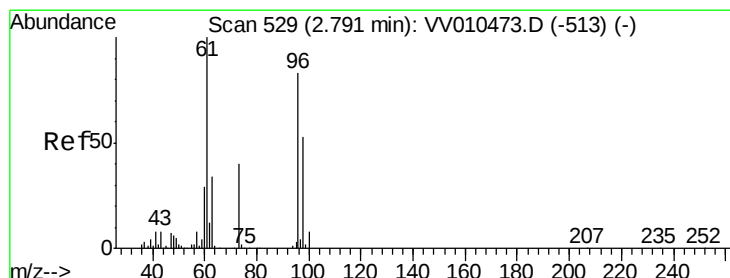
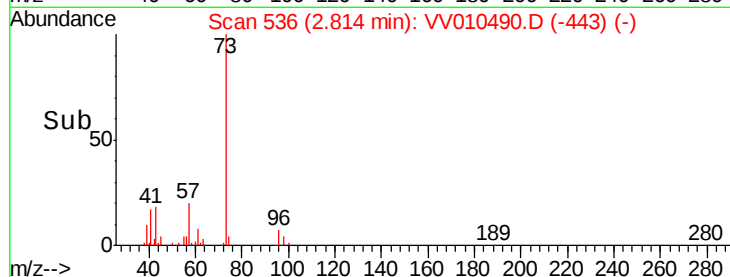
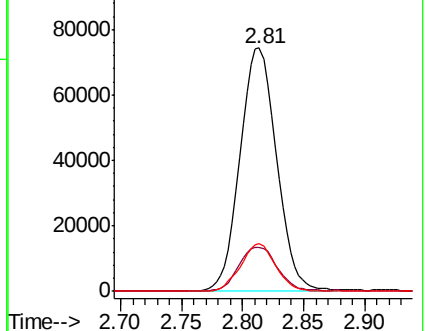
57 18.9 15.7 23.5



Abundance Ion 73.10 (72.80 to 73.80): VV010490.D (-443) (-)

Ion 43.05 (42.75 to 43.75): VV010490.D (-443) (-)

Ion 57.10 (56.80 to 57.80): VV010490.D (-443) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.550 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

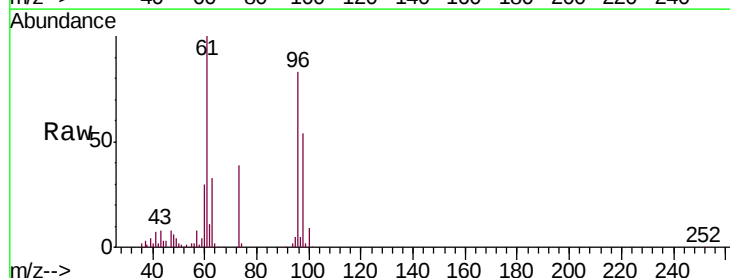
Tgt Ion: 96 Resp: 73026

Ion Ratio Lower Upper

96 100

61 120.4 89.2 165.6

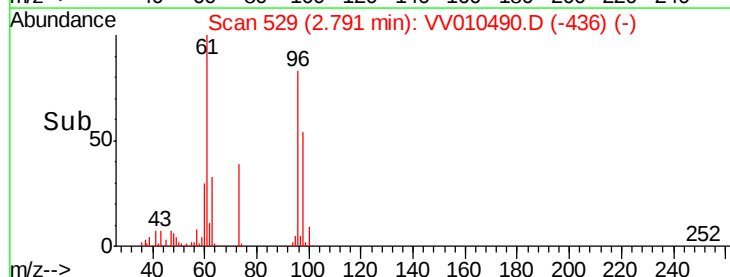
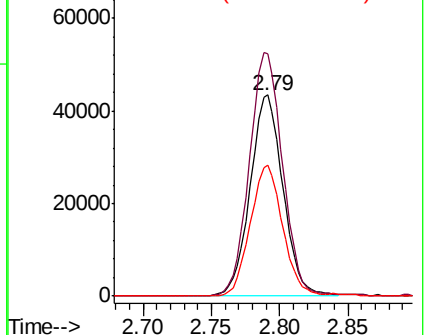
98 65.0 44.8 83.2

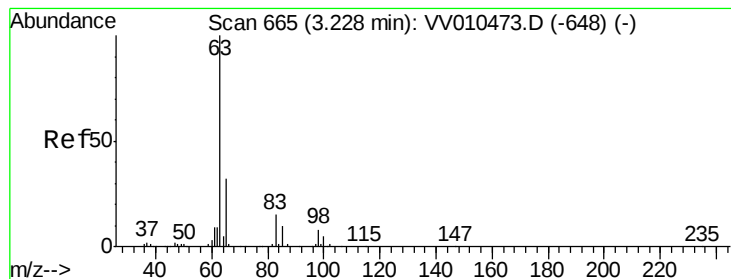


Abundance Ion 96.00 (95.70 to 96.70): VV010490.D (-436) (-)

Ion 61.05 (60.75 to 61.75): VV010490.D (-436) (-)

Ion 97.95 (97.65 to 98.65): VV010490.D (-436) (-)





#19

1,1-Dichloroethane

Concen: 4.709 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

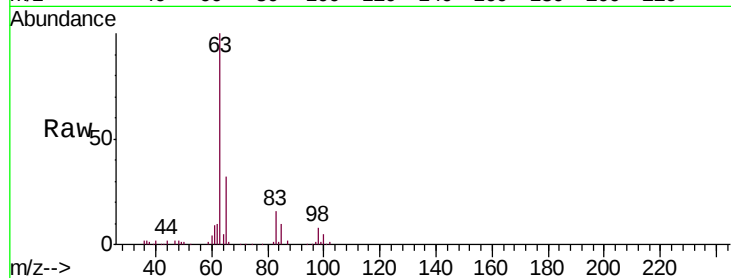
Tgt Ion: 63 Resp: 120477

Ion Ratio Lower Upper

63 100

65 32.1 22.7 42.3

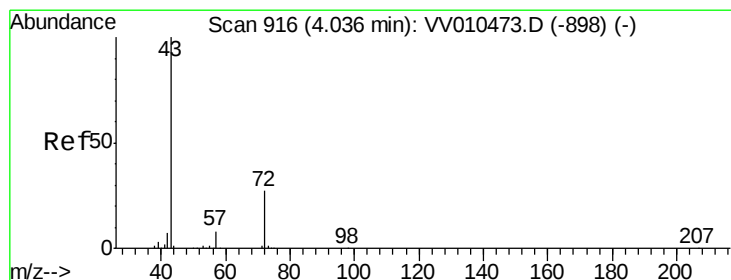
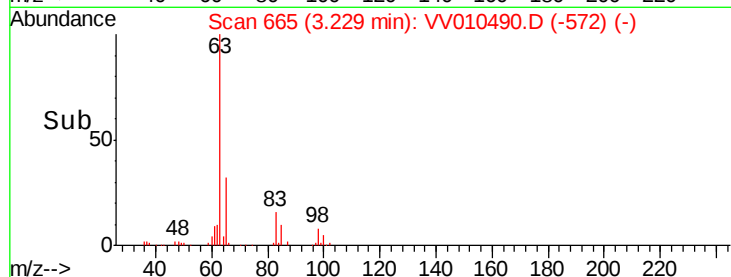
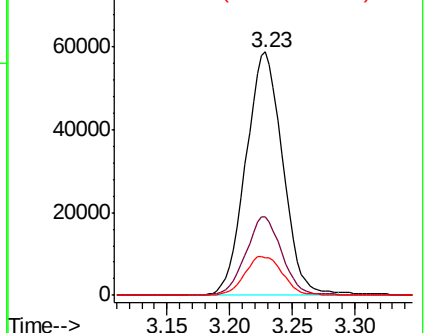
83 15.6 11.3 20.9



Abundance Ion 63.10 (62.80 to 63.80): VV010490.D (-572) (-)

Ion 65.10 (64.80 to 65.80): VV010490.D (-572) (-)

Ion 83.05 (82.75 to 83.75): VV010490.D (-572) (-)



#21

2-Butanone

Concen: 51.488 ug/L

RT: 4.04 min Scan# 917

Delta R.T. 0.00 min

Lab File: VV010490.D

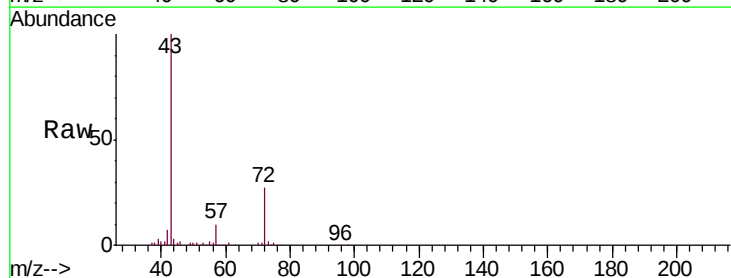
Acq: 25 Apr 2019 03:49

Tgt Ion: 43 Resp: 163918

Ion Ratio Lower Upper

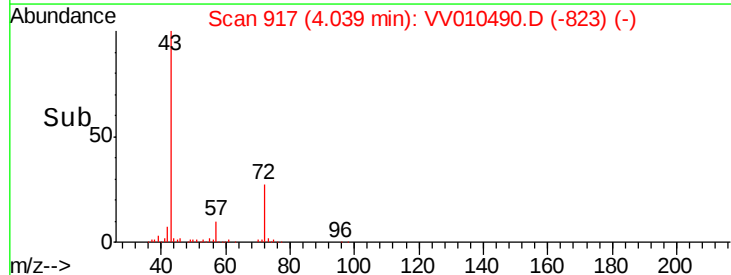
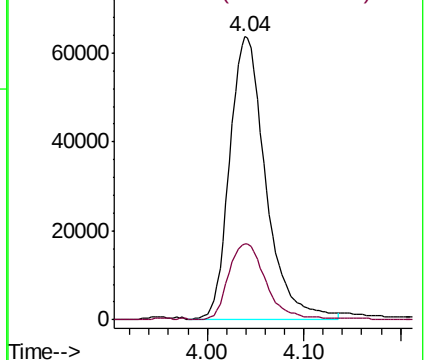
43 100

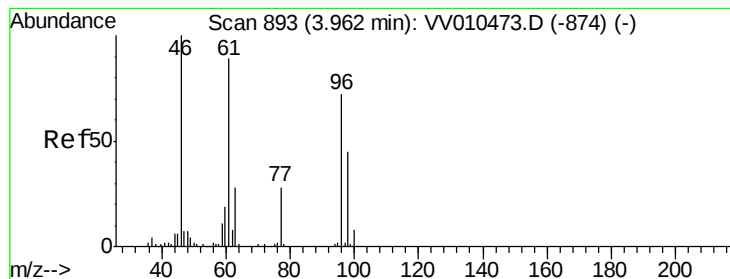
72 28.2 14.1 42.2



Abundance Ion 43.05 (42.75 to 43.75): VV010490.D (-823) (-)

Ion 72.10 (71.80 to 72.80): VV010490.D (-823) (-)



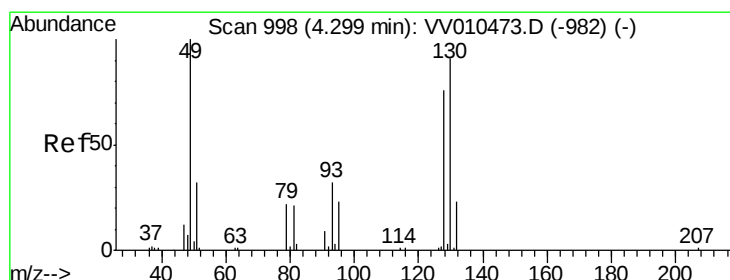
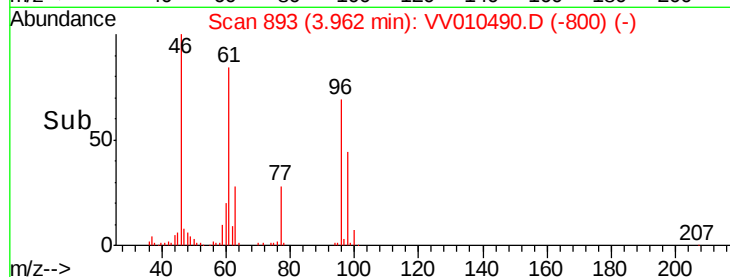
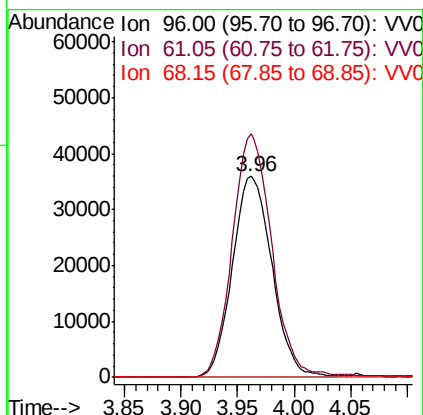
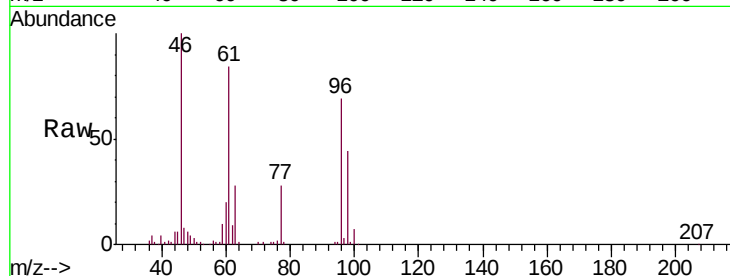


#22

cis-1,2-Dichloroethene
 Concen: 5.252 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

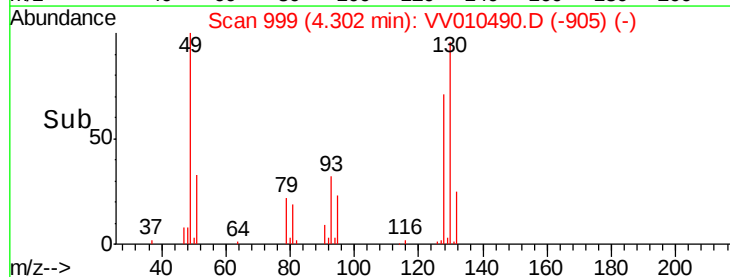
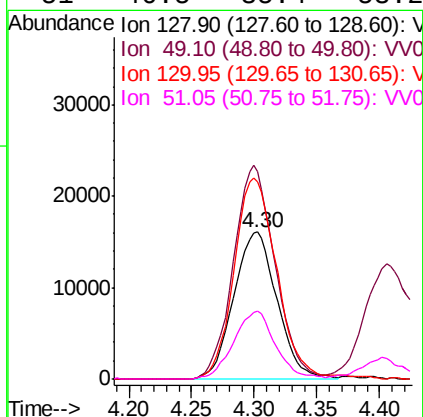
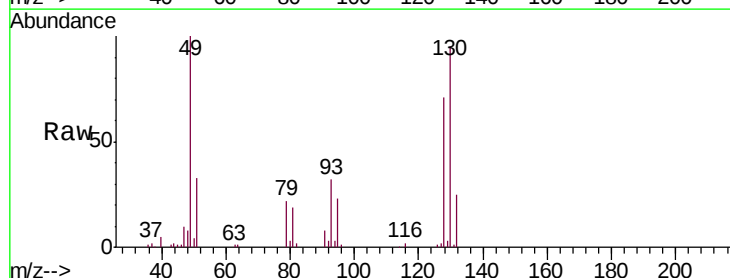
Tgt Ion: 96 Resp: 87828
 Ion Ratio Lower Upper
 96 100
 61 121.1 83.2 154.6
 68 0.0 0.0 0.0

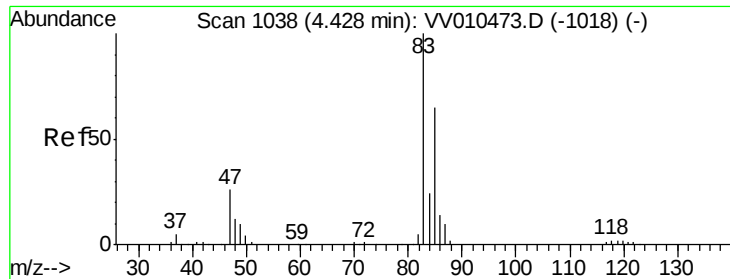


#23

Bromochloromethane
 Concen: 5.300 ug/L
 RT: 4.30 min Scan# 999
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Tgt Ion: 128 Resp: 38645
 Ion Ratio Lower Upper
 128 100
 49 141.2 102.0 189.4
 130 134.2 87.6 162.6
 51 46.5 35.4 53.2

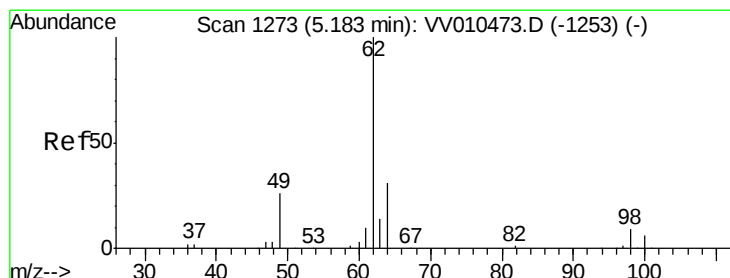
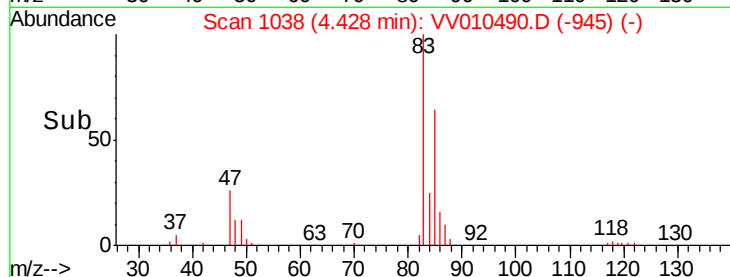
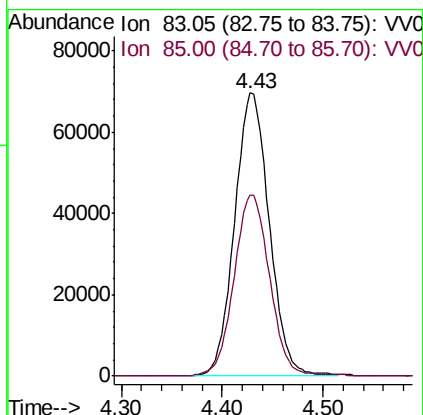
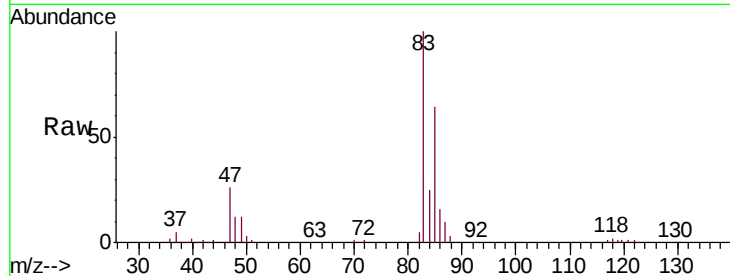




#25
 Chloroform
 Concen: 5.522 ug/L
 RT: 4.43 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

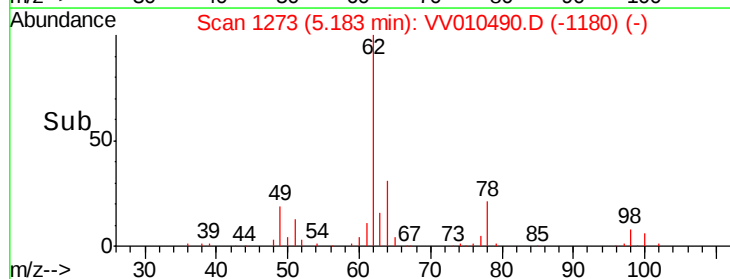
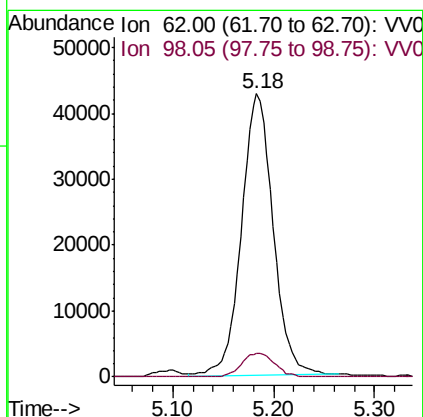
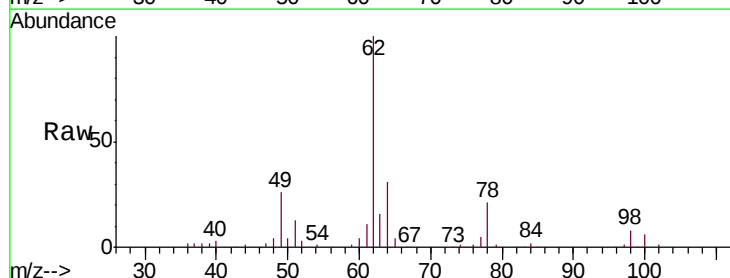
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

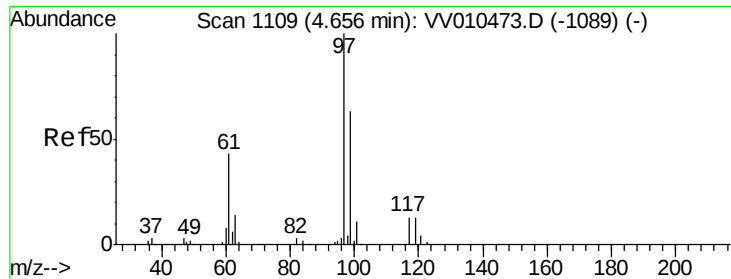
Tgt Ion: 83 Resp: 166524
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.3 82.3



#27
 1,2-Dichloroethane
 Concen: 5.244 ug/L
 RT: 5.18 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Tgt Ion: 62 Resp: 92794
 Ion Ratio Lower Upper
 62 100
 98 8.1 7.5 11.3

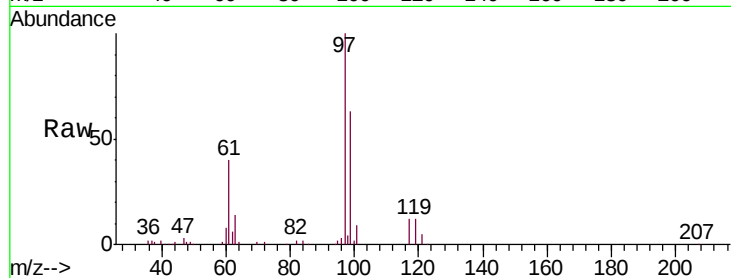




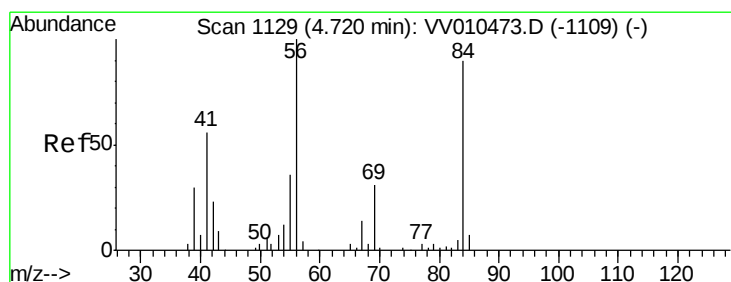
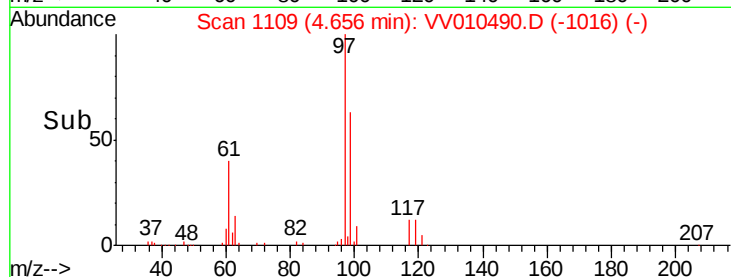
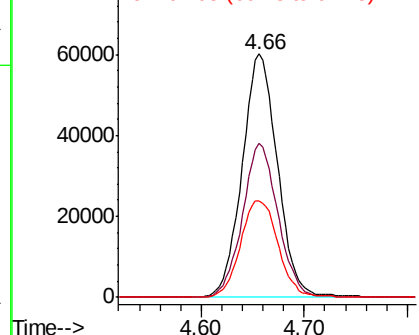
#29
 1,1,1-Trichloroethane
 Concen: 4.823 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion: 97 Resp: 143111
 Ion Ratio Lower Upper
 97 100
 99 63.6 52.2 78.2
 61 42.5 33.7 50.5

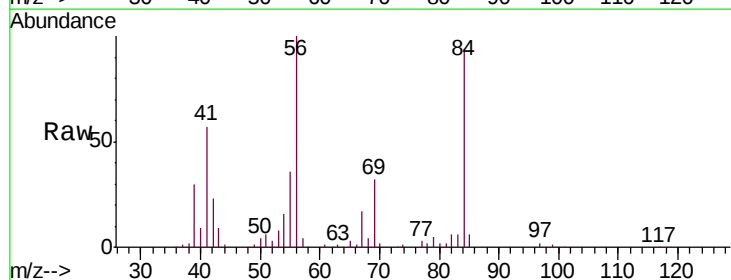


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

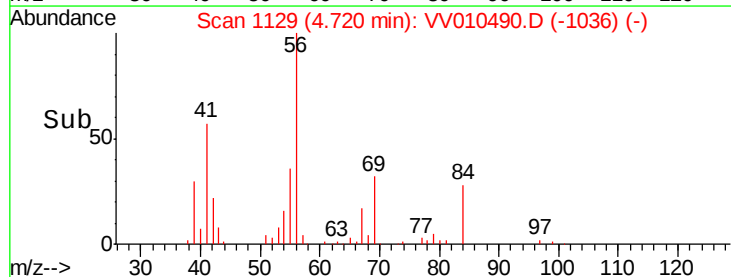
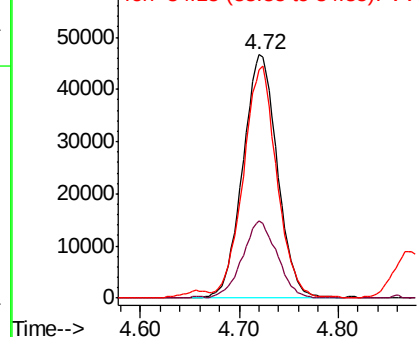


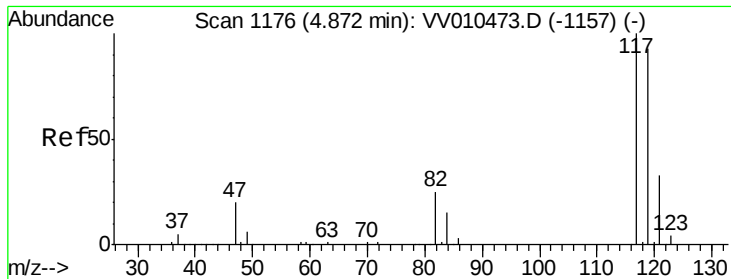
#30
 Cyclohexane
 Concen: 4.523 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Tgt Ion: 56 Resp: 113207
 Ion Ratio Lower Upper
 56 100
 69 31.1 25.5 38.3
 84 91.9 76.7 115.1



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

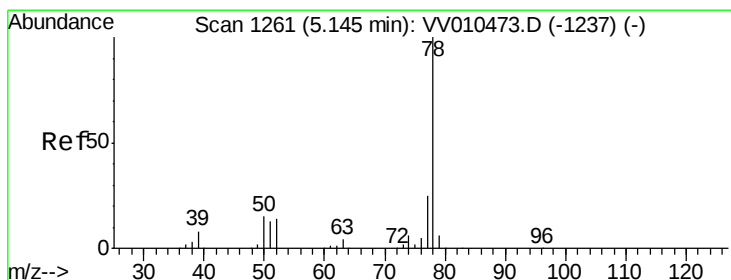
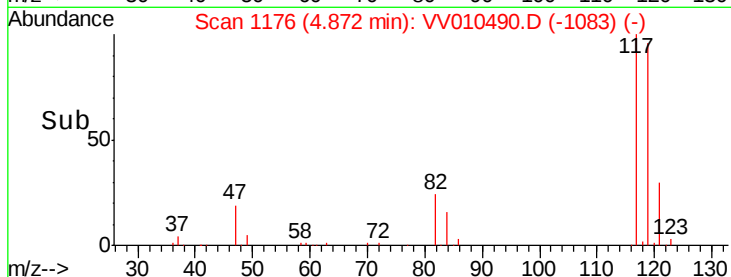
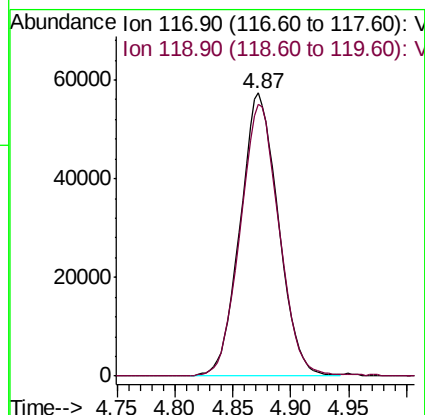
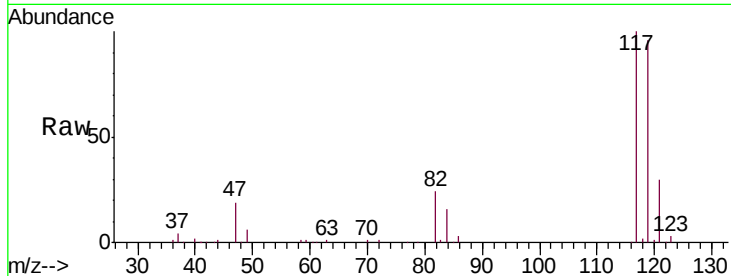




#31
Carbon tetrachloride
Concen: 4.862 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV010490.D
Acq: 25 Apr 2019 03:49

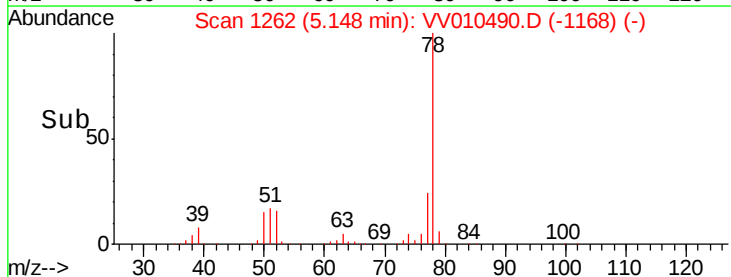
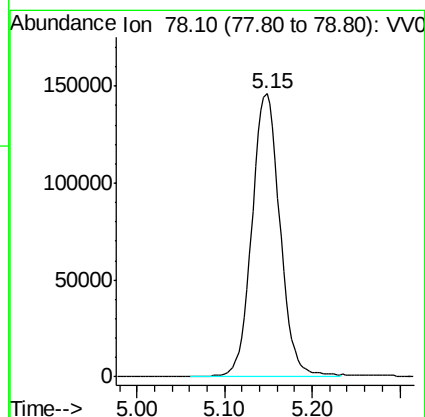
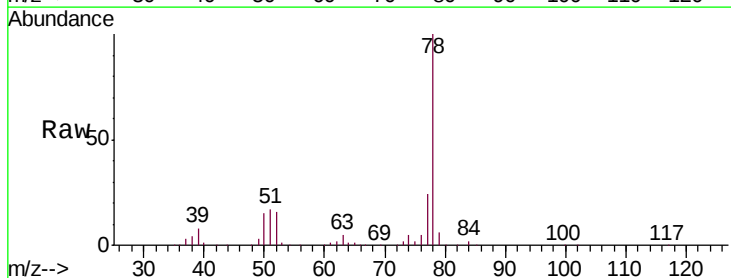
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

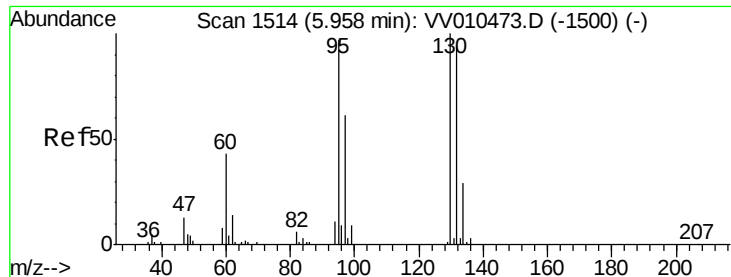
Tgt Ion:117 Resp: 131159
Ion Ratio Lower Upper
117 100
119 98.0 76.5 114.7



#33
Benzene
Concen: 5.021 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV010490.D
Acq: 25 Apr 2019 03:49

Tgt Ion: 78 Resp: 327056

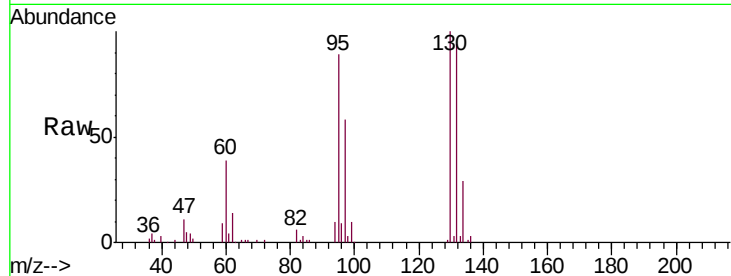




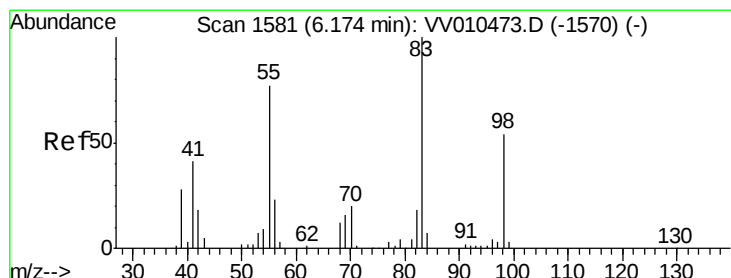
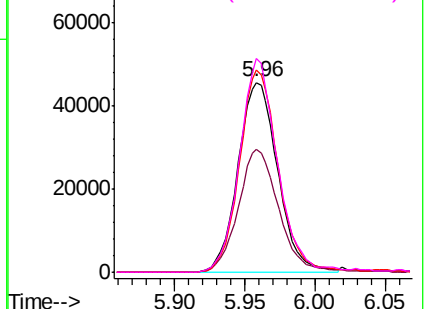
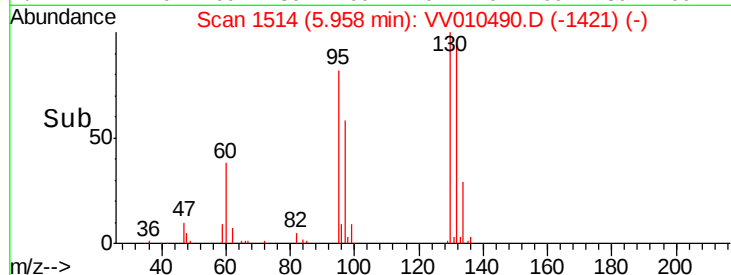
#34
 Trichloroethene
 Concen: 4.781 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion:	95	Resp:	89864
Ion	Ratio	Lower	Upper
95	100		
97	64.8	45.6	84.6
132	106.3	67.8	126.0
130	112.6	69.0	128.2

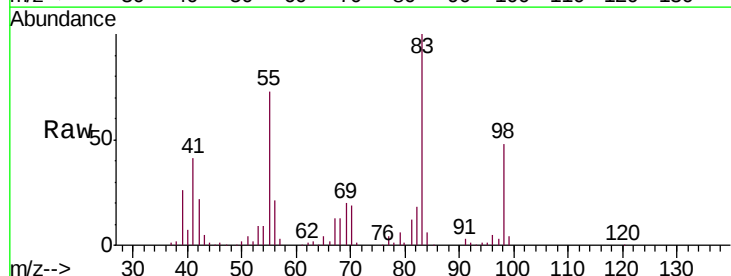


Abundance Ion 95.00 (94.70 to 95.70): VV010490.D (-1421) (-)
 Ion 96.95 (96.65 to 97.65): VV010490.D (-1421) (-)
 Ion 131.95 (131.65 to 132.65): VV010490.D (-1421) (-)
 Ion 129.95 (129.65 to 130.65): VV010490.D (-1421) (-)

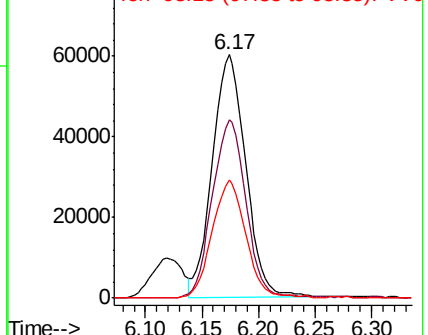
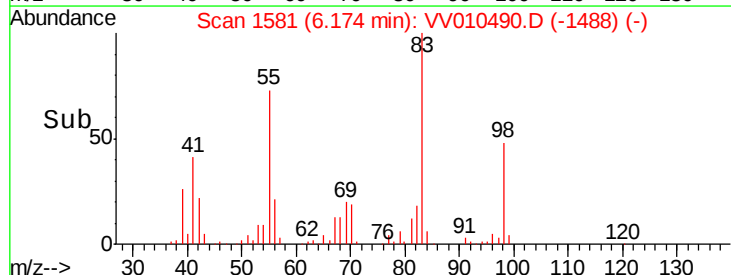


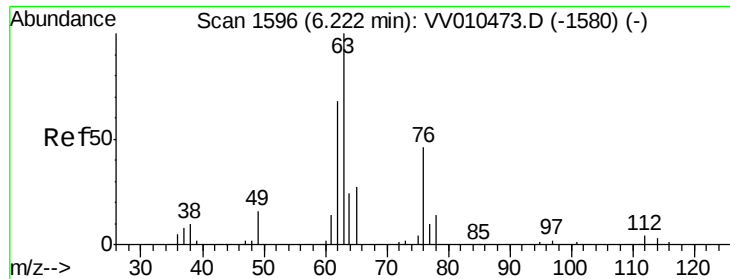
#35
 Methylcyclohexane
 Concen: 4.387 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Tgt Ion:	83	Resp:	123751
Ion	Ratio	Lower	Upper
83	100		
55	73.7	57.8	86.6
98	49.0	38.8	58.2



Abundance Ion 83.15 (82.85 to 83.85): VV010490.D (-1488) (-)
 Ion 55.10 (54.80 to 55.80): VV010490.D (-1488) (-)
 Ion 98.15 (97.85 to 98.85): VV010490.D (-1488) (-)

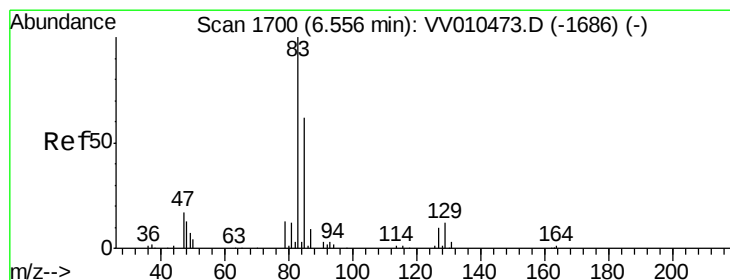
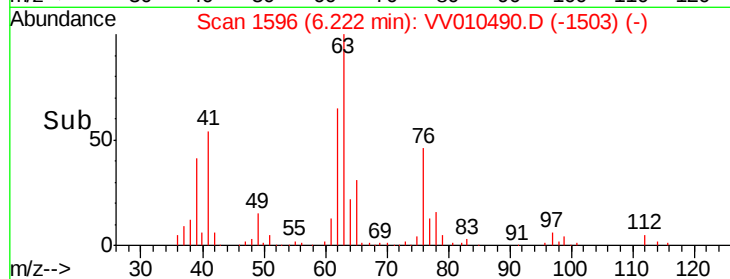
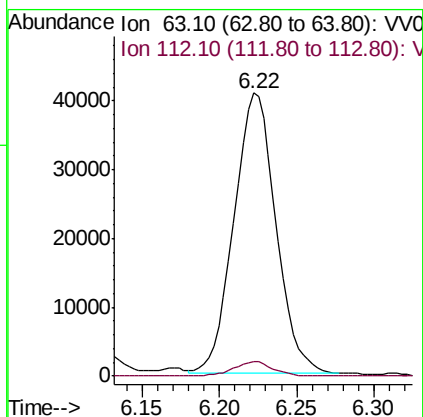
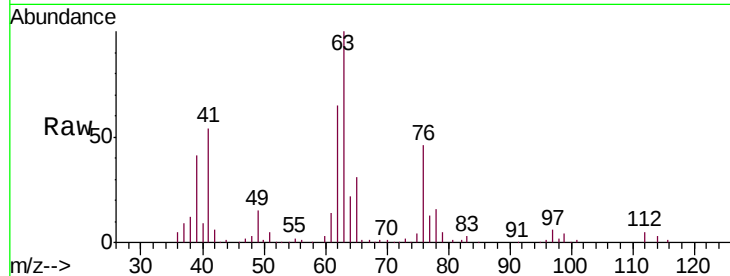




#37
 1,2-Dichloropropane
 Concen: 4.838 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

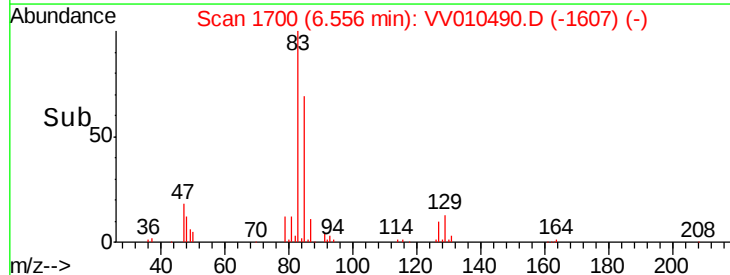
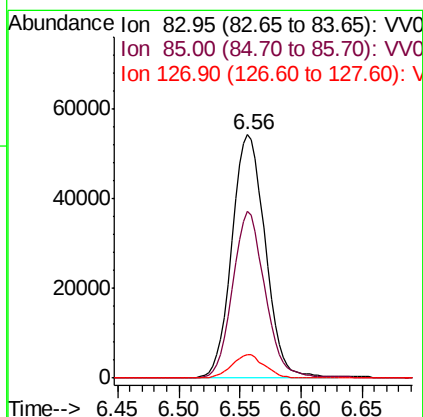
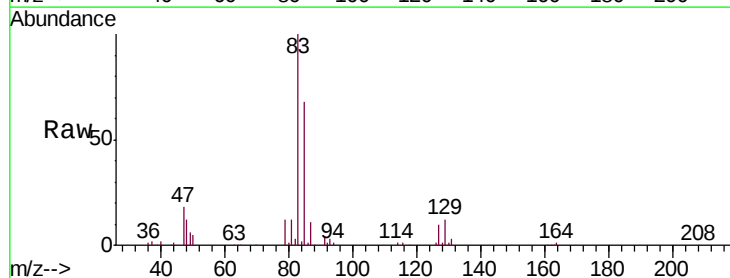
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

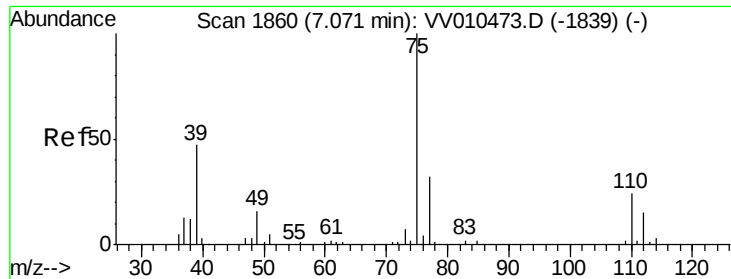
Tgt Ion: 63 Resp: 76492
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.6



#38
 Bromodichloromethane
 Concen: 4.863 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Tgt Ion: 83 Resp: 103501
 Ion Ratio Lower Upper
 83 100
 85 68.3 46.6 86.6
 127 9.7 7.8 11.8

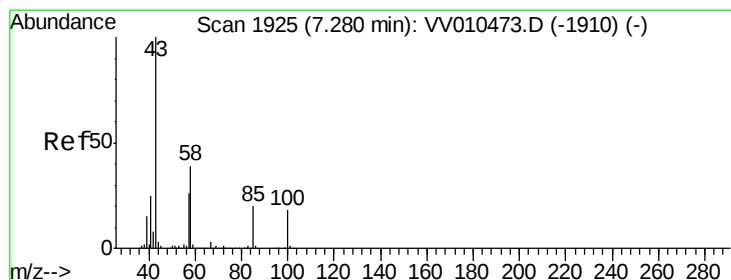
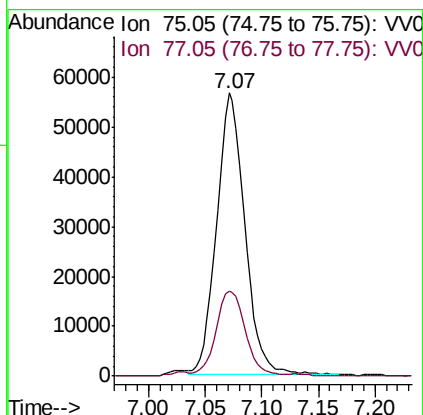
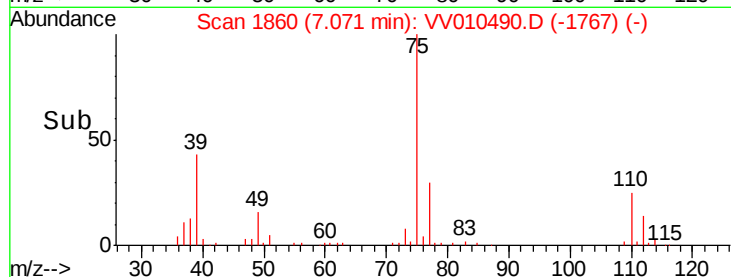
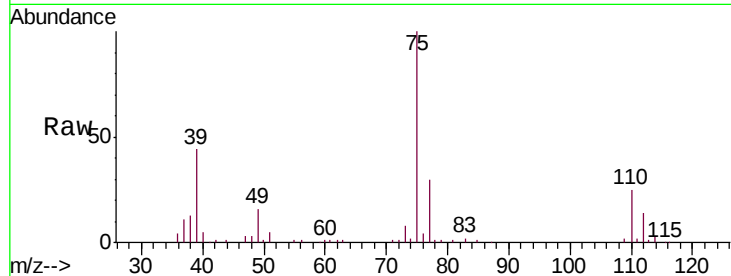




#39
 cis-1,3-Dichloropropene
 Concen: 4.170 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

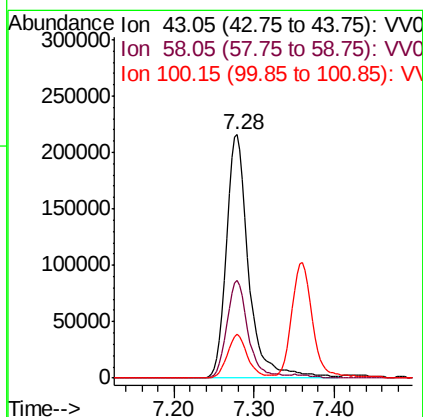
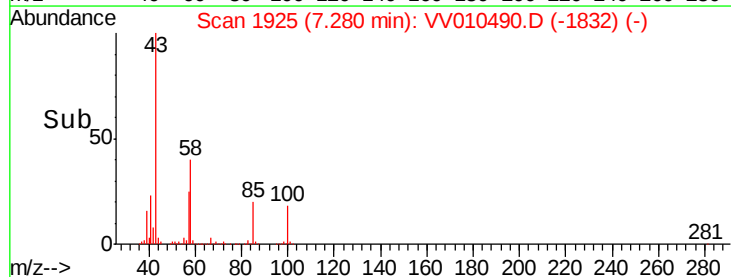
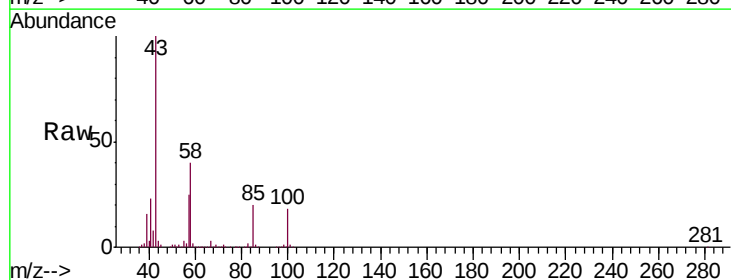
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

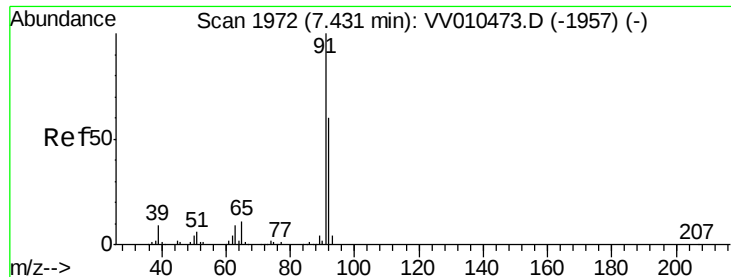
Tgt Ion: 75 Resp: 97762
 Ion Ratio Lower Upper
 75 100
 77 30.1 22.5 41.7



#40
 4-Methyl-2-pentanone
 Concen: 46.335 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Tgt Ion: 43 Resp: 414186
 Ion Ratio Lower Upper
 43 100
 58 37.9 30.3 45.5
 100 16.2 13.0 19.4





#42

Toluene

Concen: 5.009 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

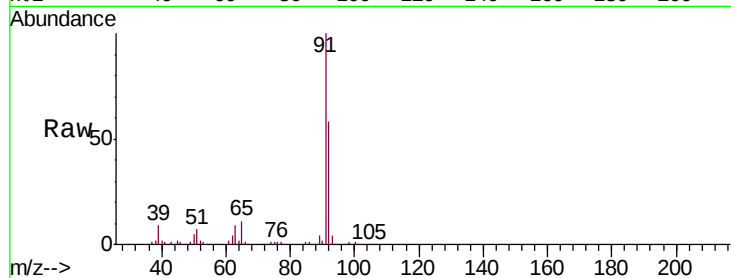
VSTD00546

Tgt Ion: 91 Resp: 371331

Ion Ratio Lower Upper

91 100

92 58.2 41.3 76.7



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

200000

150000

100000

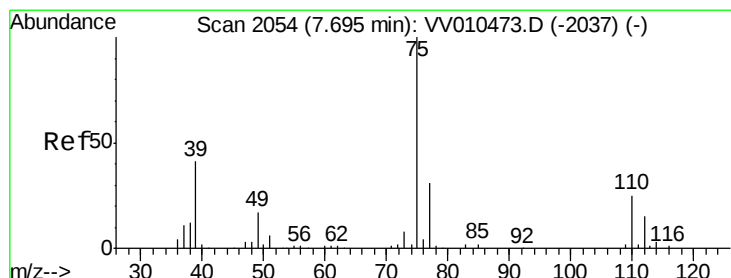
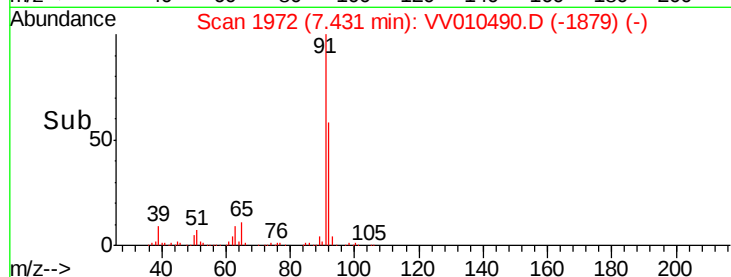
50000

0

7.40

7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 4.294 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV010490.D

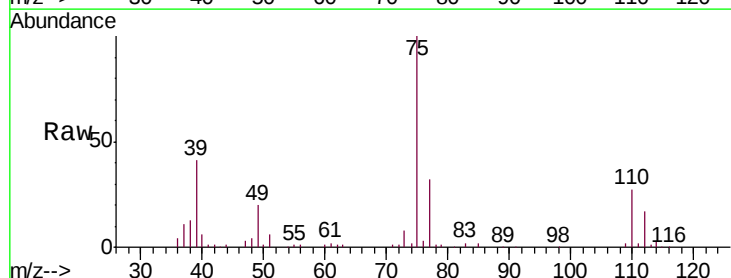
Acq: 25 Apr 2019 03:49

Tgt Ion: 75 Resp: 77759

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

50000

40000

30000

20000

10000

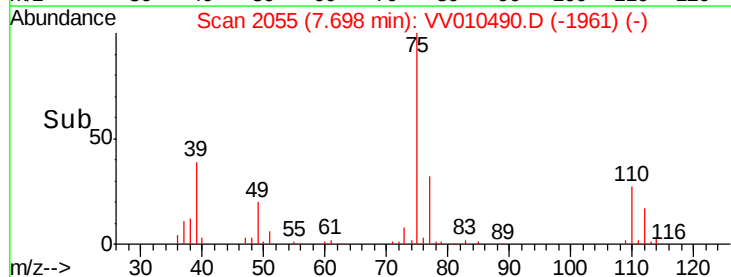
0

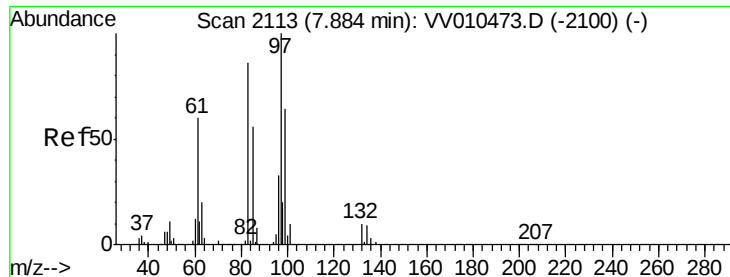
7.60

7.70

7.80

Time-->

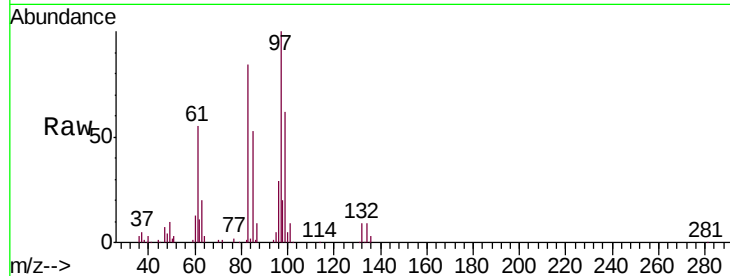




#45
 1,1,2-Trichloroethane
 Concen: 5.082 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion:	97	Resp:	58851
Ion	Ratio	Lower	Upper
97	100		
99	62.1	45.1	83.7
83	83.7	61.7	114.7
85	53.3	41.2	76.4



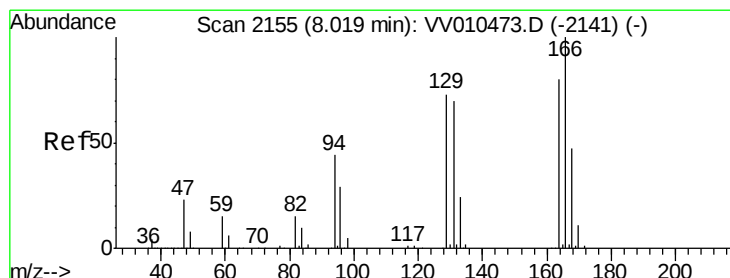
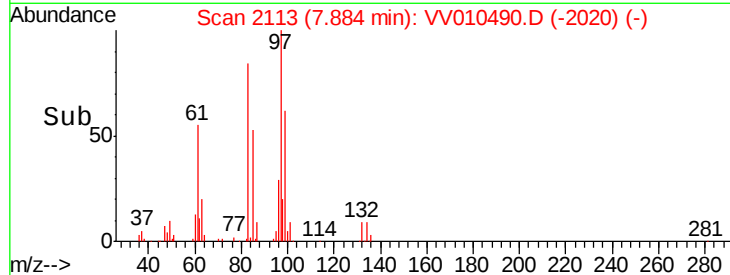
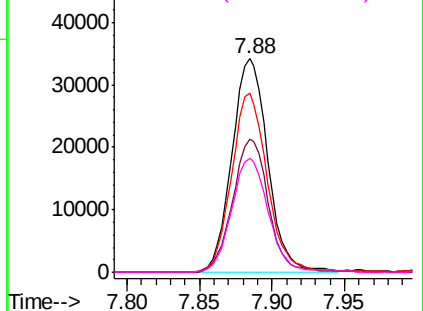
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

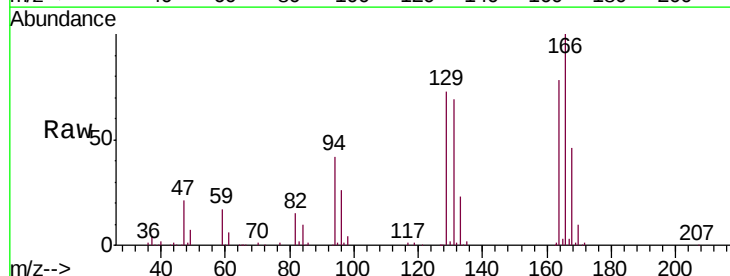
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.778 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Tgt Ion:	164	Resp:	80190
Ion	Ratio	Lower	Upper
164	100		
129	92.7	69.7	129.4
131	88.4	63.8	118.6
166	127.7	87.4	162.2



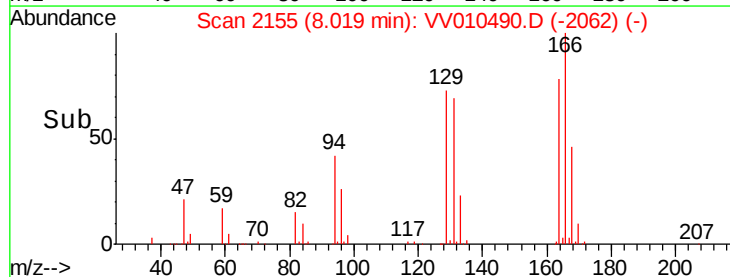
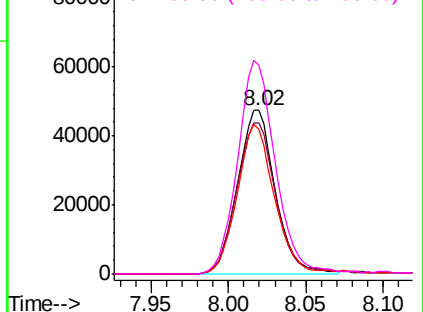
Abundance

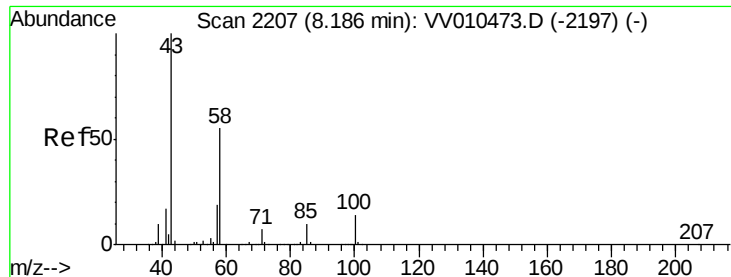
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

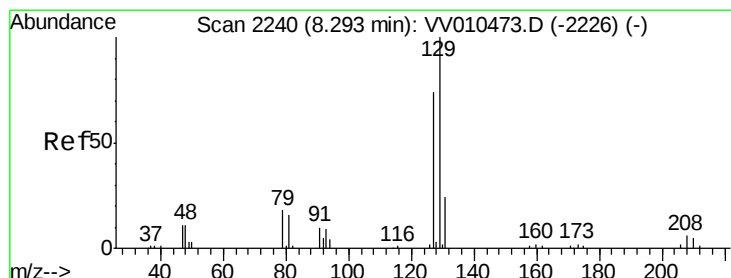
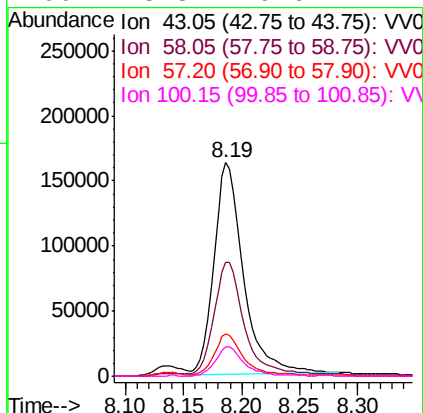
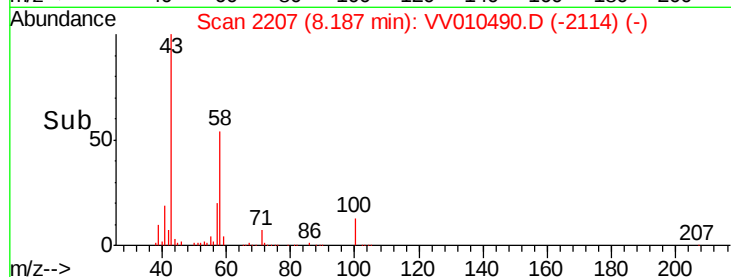
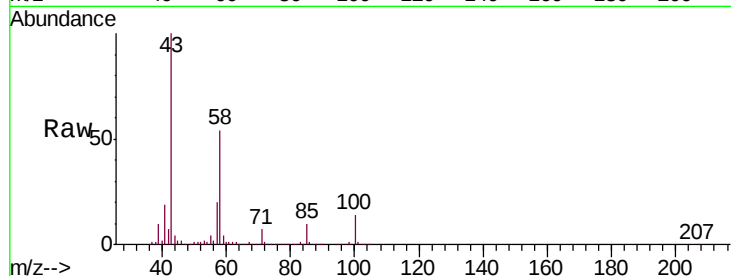




#48
2-Hexanone
Concen: 46.861 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010490.D
Acq: 25 Apr 2019 03:49

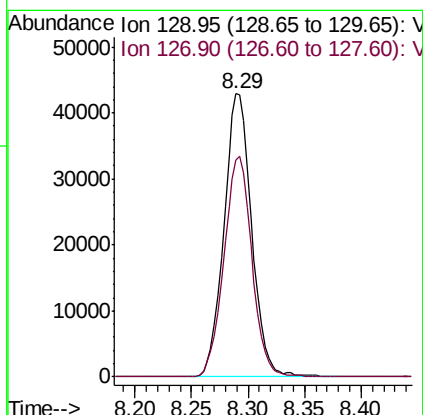
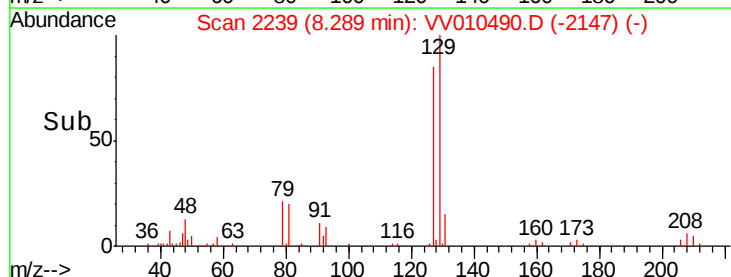
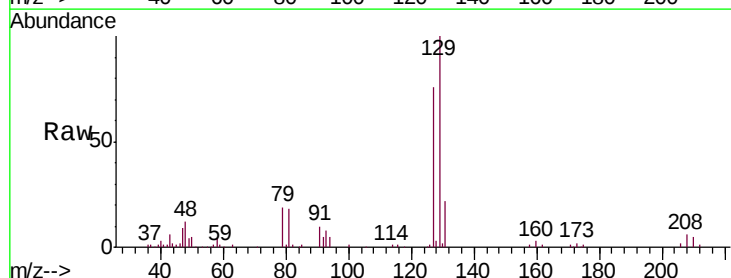
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

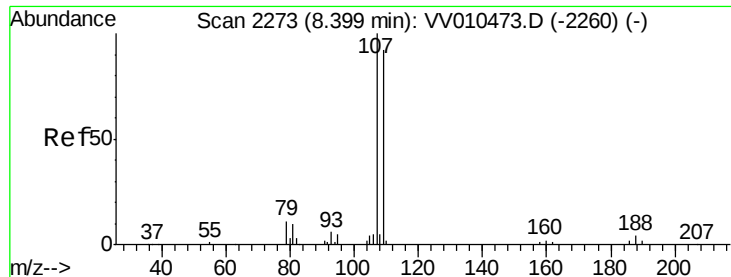
Tgt Ion:	43	Resp:	291378
Ion	Ratio	Lower	Upper
43	100		
58	53.6	42.2	63.4
57	19.5	15.3	22.9
100	13.8	9.6	14.4



#49
Dibromochloromethane
Concen: 4.872 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010490.D
Acq: 25 Apr 2019 03:49

Tgt Ion:	129	Resp:	72880
Ion	Ratio	Lower	Upper
129	100		
127	76.4	56.1	104.1

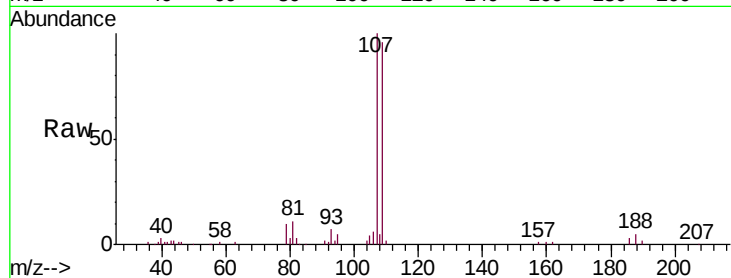




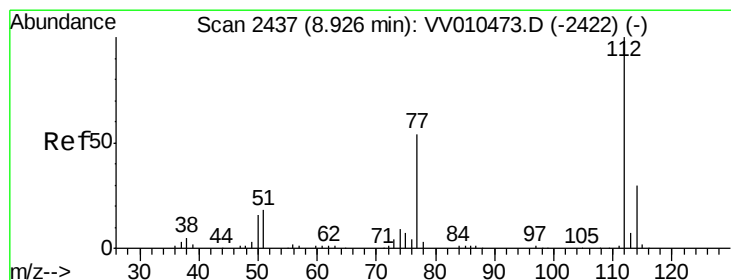
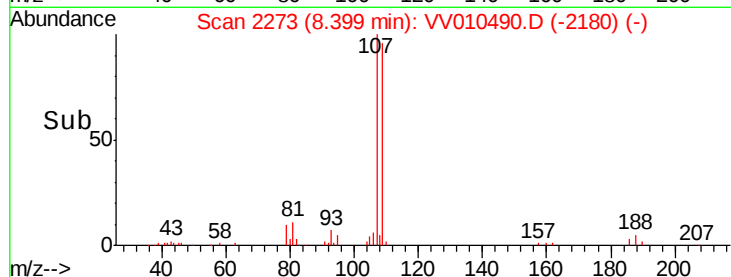
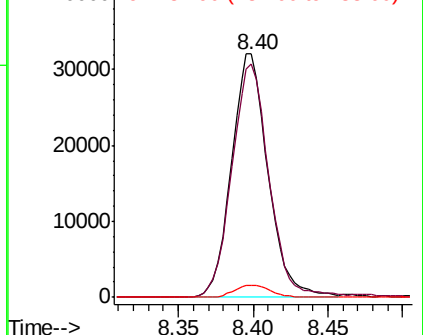
#50
1,2-Dibromoethane
Concen: 4.865 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV010490.D
Acq: 25 Apr 2019 03:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

Tgt Ion:107 Resp: 54610
Ion Ratio Lower Upper
107 100
109 96.1 66.1 122.8
188 4.9 3.4 5.0

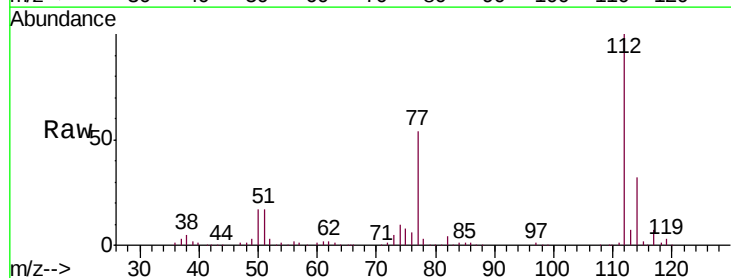


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

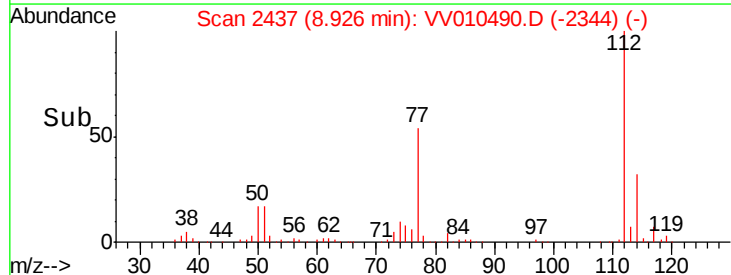
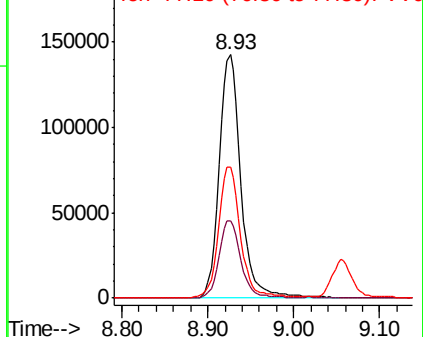


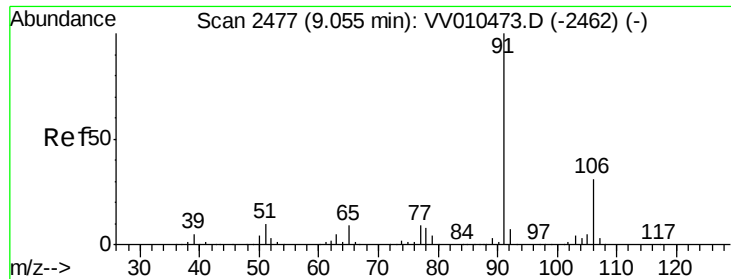
#51
Chlorobenzene
Concen: 4.969 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV010490.D
Acq: 25 Apr 2019 03:49

Tgt Ion:112 Resp: 250233
Ion Ratio Lower Upper
112 100
114 31.9 23.0 42.6
77 53.8 46.8 70.2



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.744 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

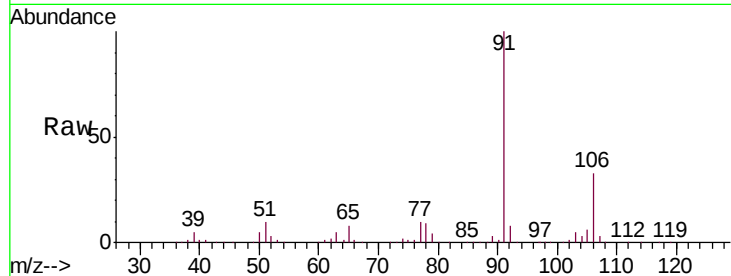
VSTD00546

Tgt Ion: 91 Resp: 390769

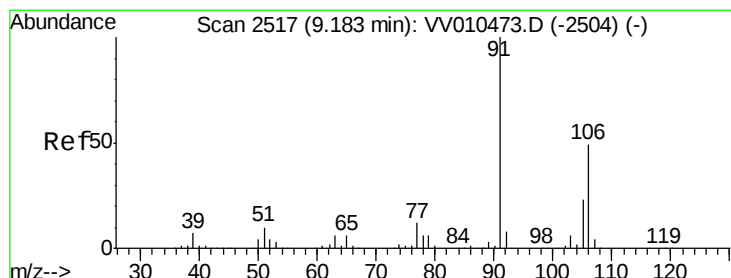
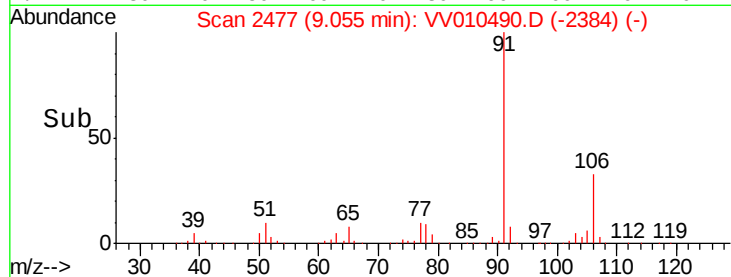
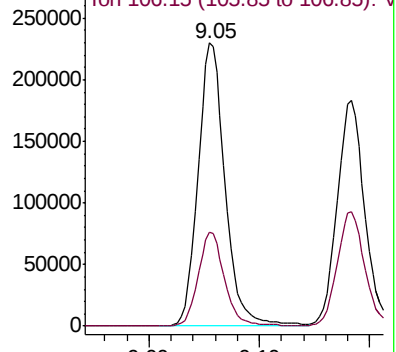
Ion Ratio Lower Upper

91 100

106 33.0 22.4 41.6



Abundance Ion 91.15 (90.85 to 91.85): VV010490.D (-2384) (-)



#53

m,p-xylene

Concen: 4.907 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010490.D

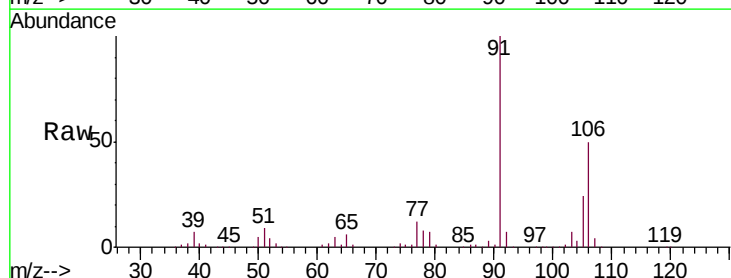
Acq: 25 Apr 2019 03:49

Tgt Ion: 106 Resp: 158927

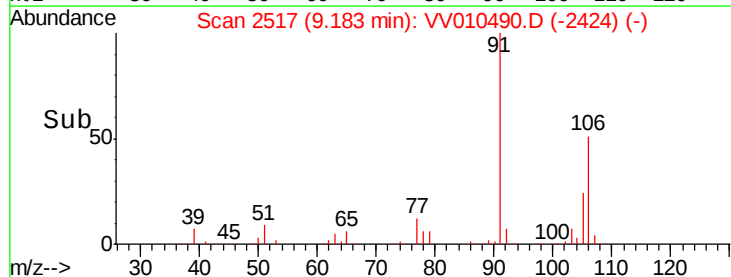
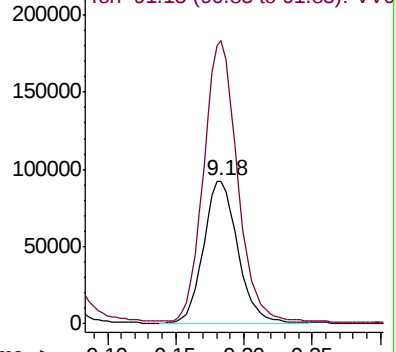
Ion Ratio Lower Upper

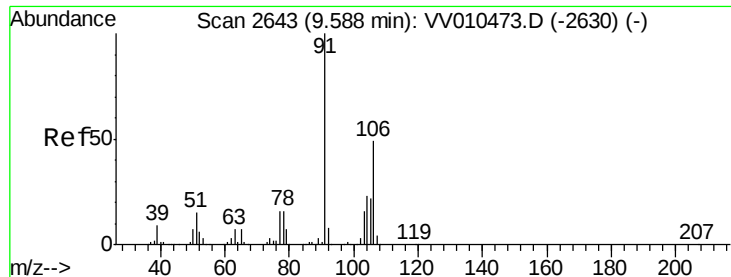
106 100

91 198.1 142.9 265.3



Abundance Ion 106.15 (105.85 to 106.85): VV010490.D (-2424) (-)





#54

o-xylene

Concen: 4.801 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

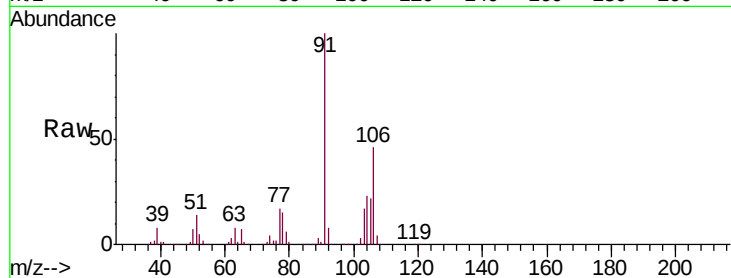
VSTD00546

Tgt Ion:106 Resp: 152541

Ion Ratio Lower Upper

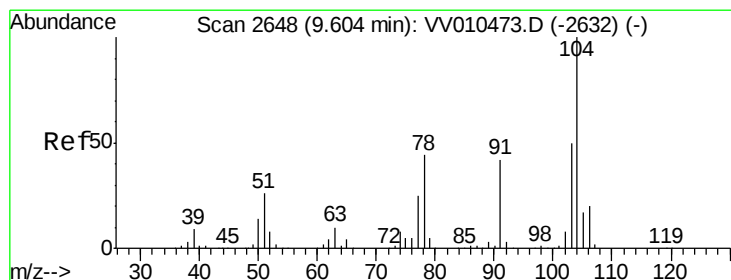
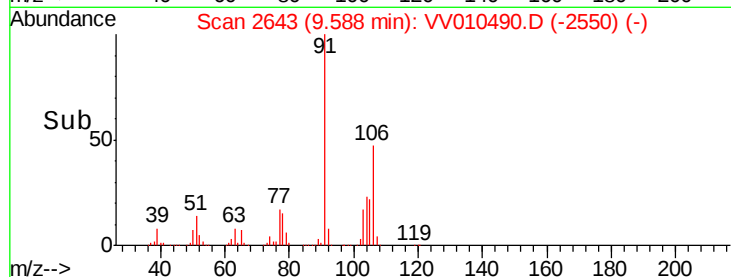
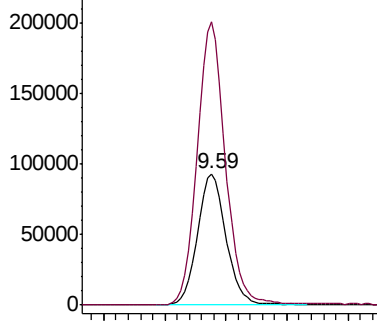
106 100

91 215.1 147.5 273.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.086 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010490.D

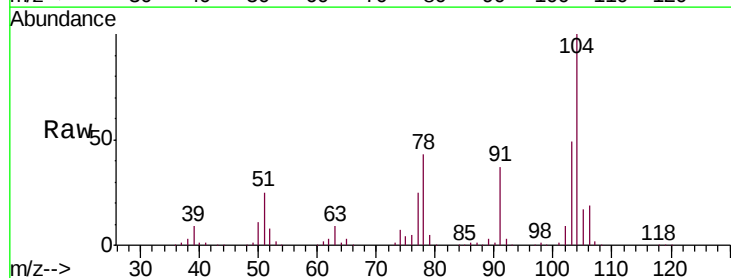
Acq: 25 Apr 2019 03:49

Tgt Ion:104 Resp: 262145

Ion Ratio Lower Upper

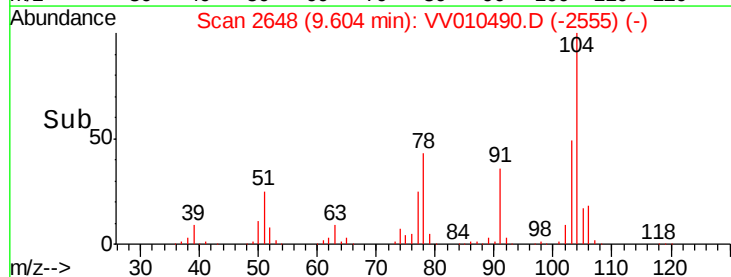
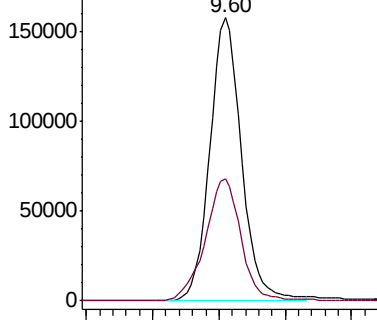
104 100

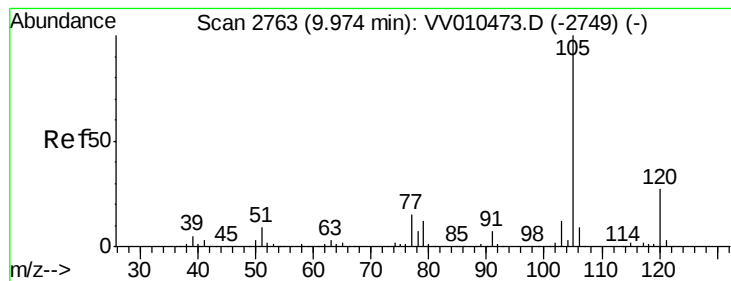
78 43.0 31.4 58.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.883 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

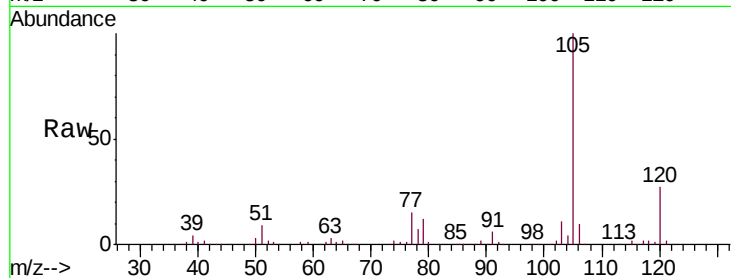
Tgt Ion:105 Resp: 413231

Ion Ratio Lower Upper

105 100

120 27.1 21.9 32.9

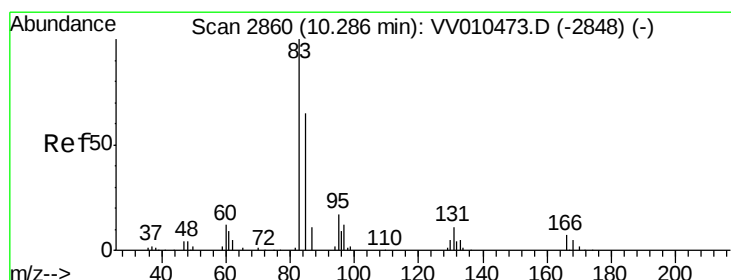
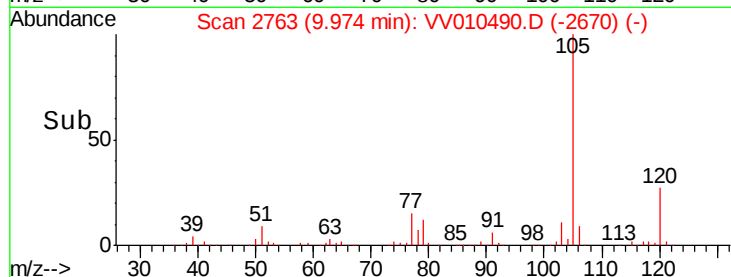
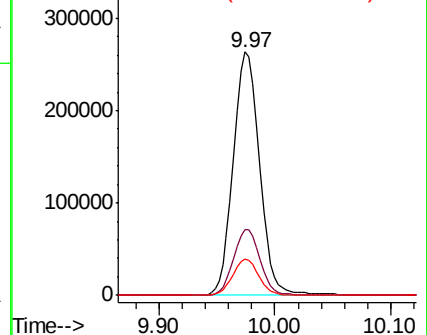
77 14.8 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.023 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

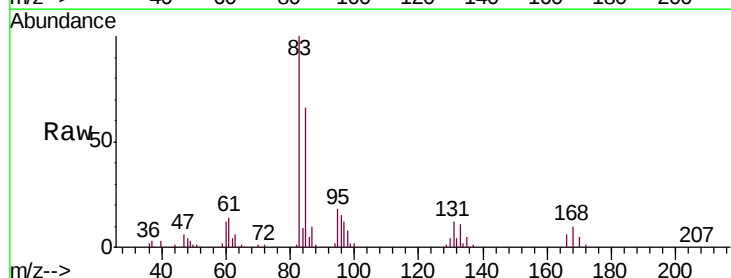
Tgt Ion: 83 Resp: 66910

Ion Ratio Lower Upper

83 100

85 66.0 46.9 87.1

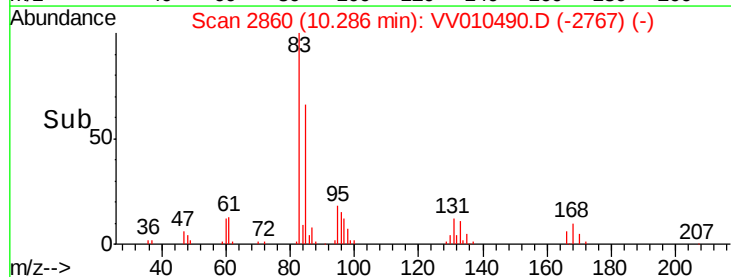
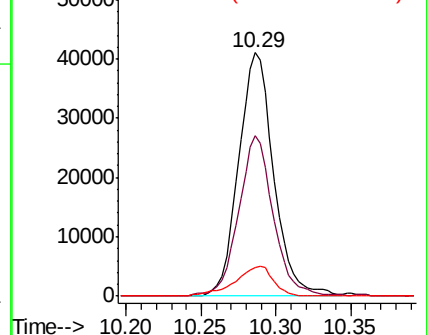
131 11.9 10.3 15.5

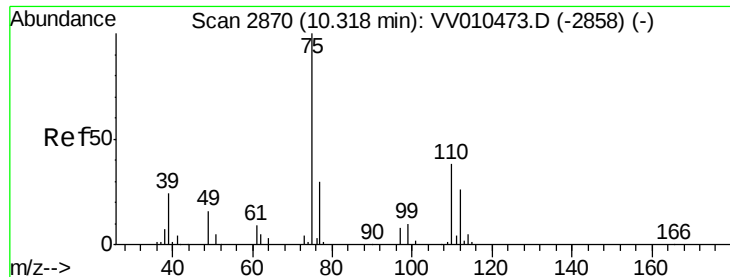


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 4.832 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

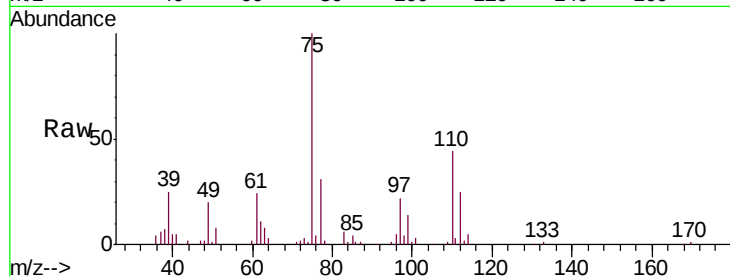
VSTD00546

Tgt Ion: 75 Resp: 47249

Ion Ratio Lower Upper

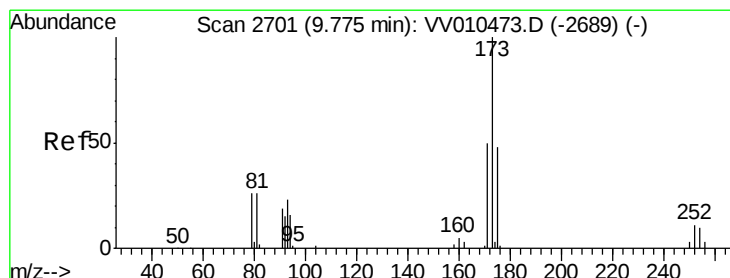
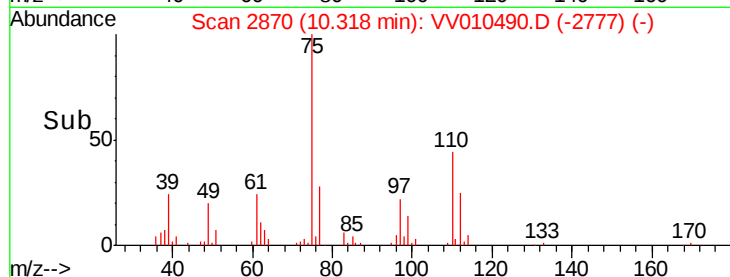
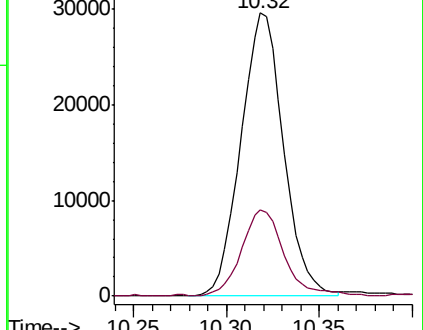
75 100

77 30.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV010473.D (-2858) (-)

Ion 77.00 (76.70 to 77.70): VV010473.D (-2858) (-)



#61

Bromoform

Concen: 4.891 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

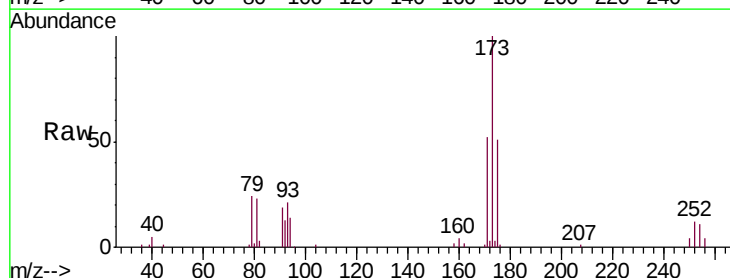
Tgt Ion: 173 Resp: 38806

Ion Ratio Lower Upper

173 100

175 48.1 38.9 58.3

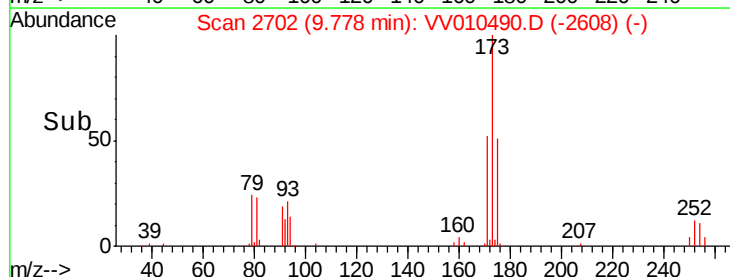
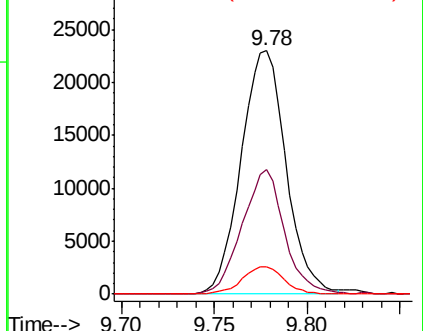
254 10.4 8.1 12.1

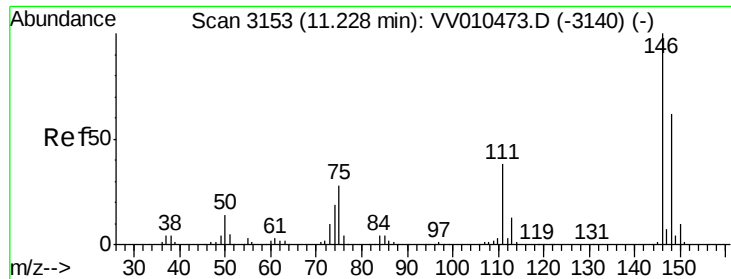


Abundance Ion 172.90 (172.60 to 173.60): VV010473.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV010473.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV010473.D (-2689) (-)

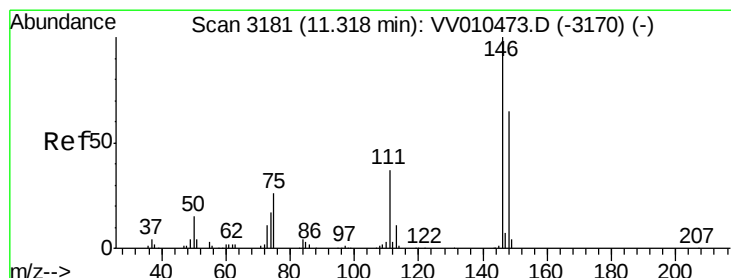
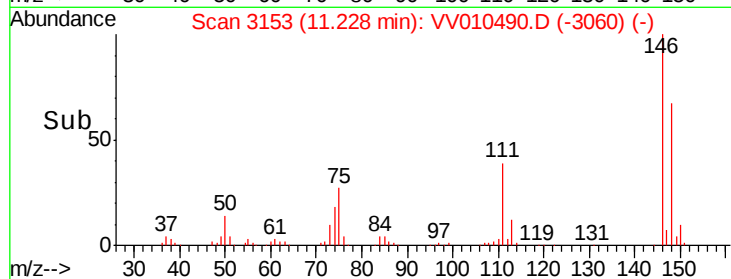
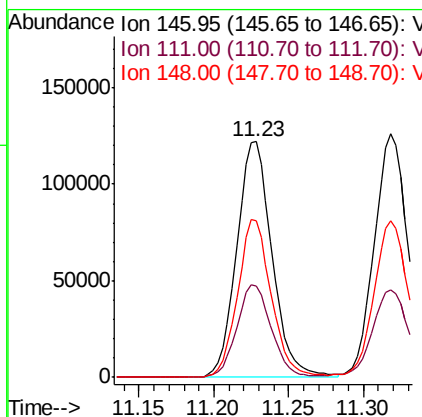
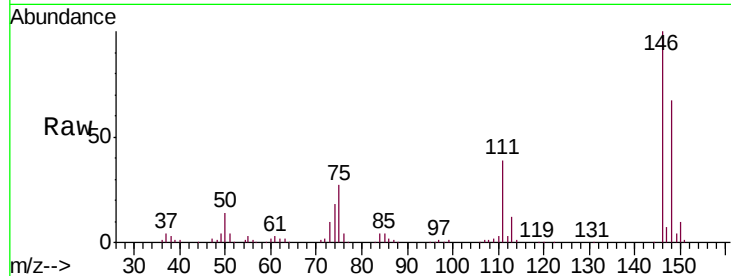




#62
 1,3-Dichlorobenzene
 Concen: 4.820 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

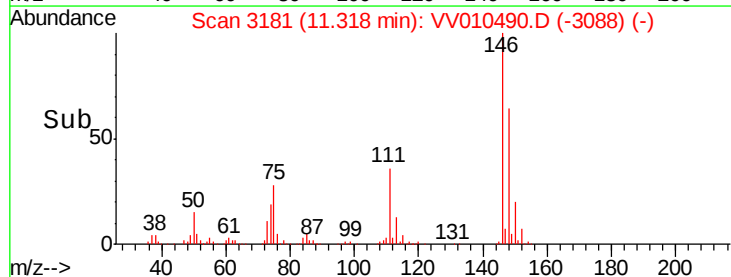
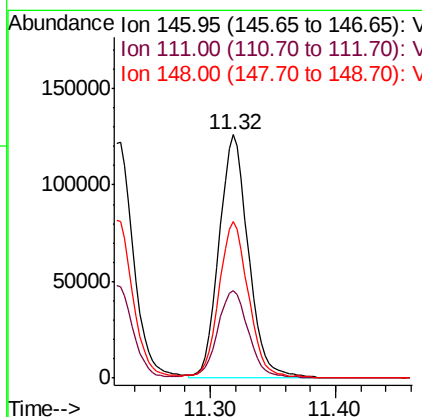
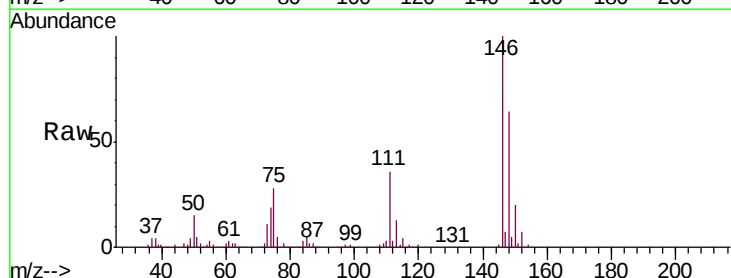
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

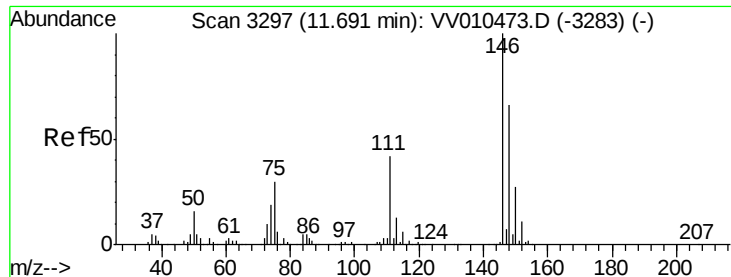
Tgt Ion:146 Resp: 200971
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.3 48.9
 148 66.7 43.3 80.3



#63
 1,4-Dichlorobenzene
 Concen: 4.878 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Tgt Ion:146 Resp: 204879
 Ion Ratio Lower Upper
 146 100
 111 36.1 26.6 49.4
 148 64.2 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 4.948 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

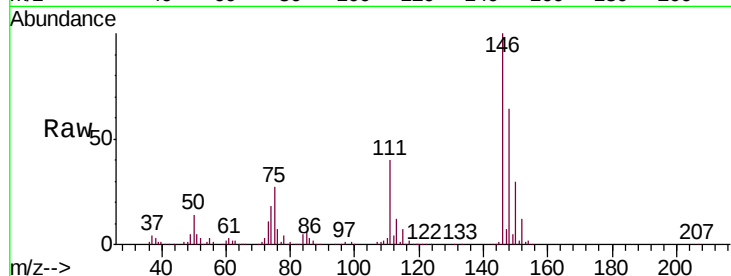
Tgt Ion:146 Resp: 195743

Ion Ratio Lower Upper

146 100

111 39.8 31.6 47.4

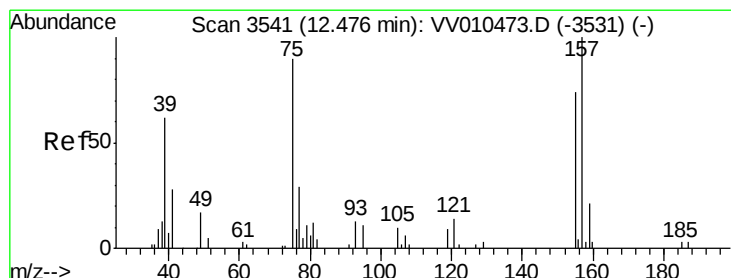
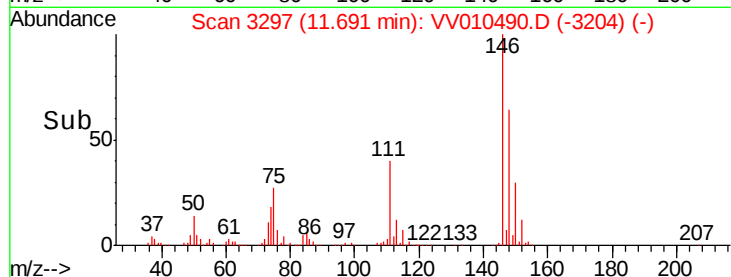
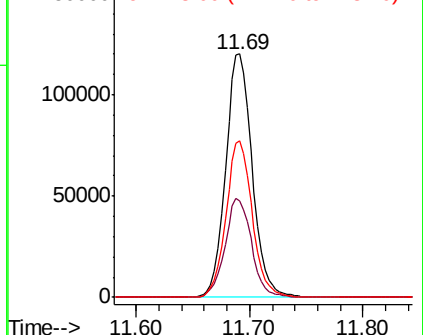
148 64.3 50.2 75.4



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 4.503 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

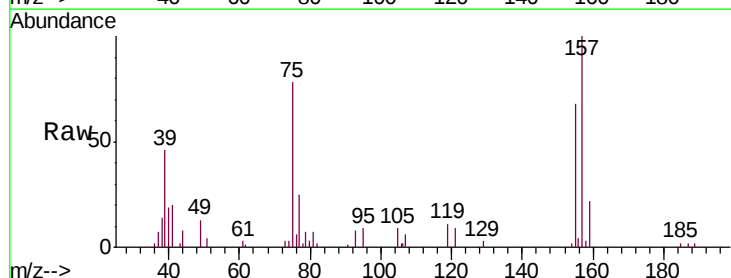
Tgt Ion: 75 Resp: 9647

Ion Ratio Lower Upper

75 100

155 87.1 80.3 120.5

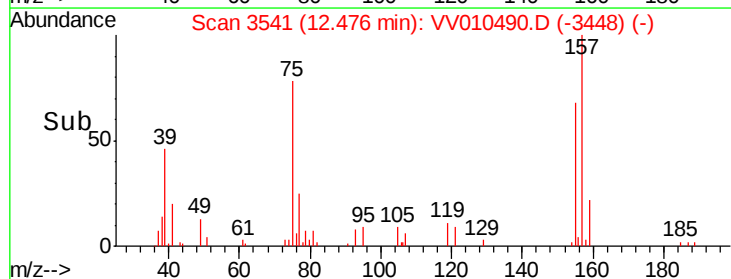
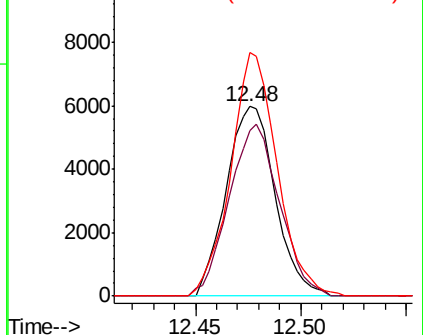
157 128.4 96.7 145.1

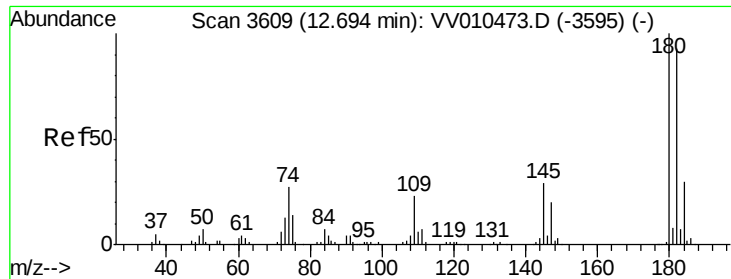


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

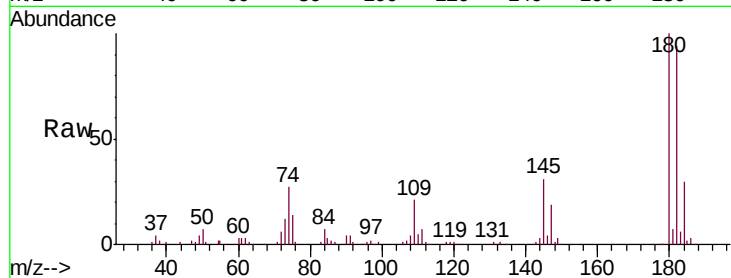




#67
 1,3,5-Trichlorobenzene
 Concen: 4.698 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.8	112.2
184	30.3	24.0	36.0
145	30.9	23.7	35.5



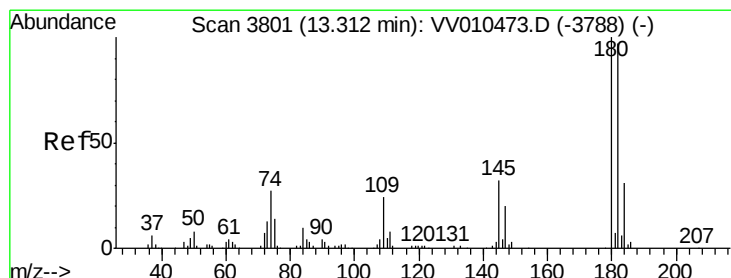
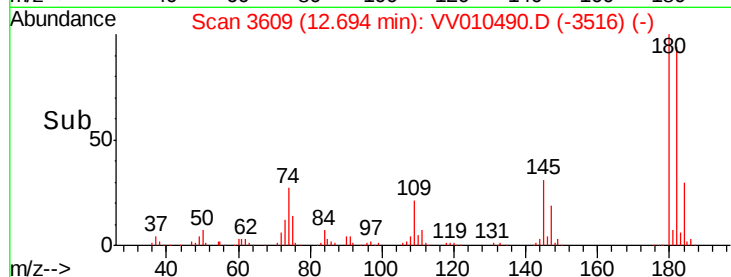
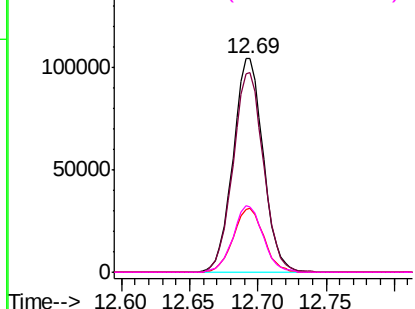
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

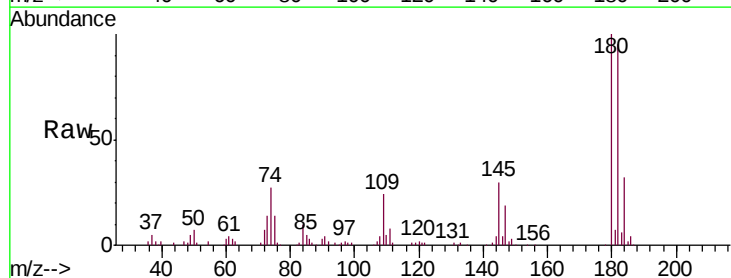
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 4.654 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010490.D
 Acq: 25 Apr 2019 03:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.3	114.5
145	29.9	24.5	36.7

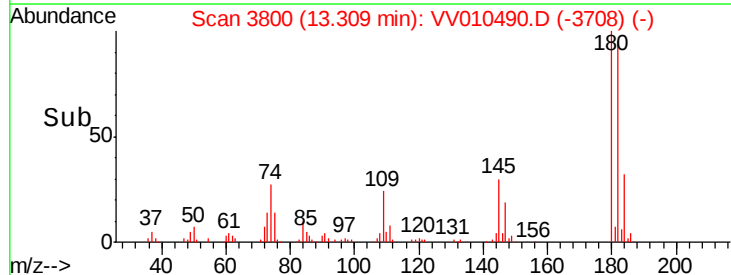
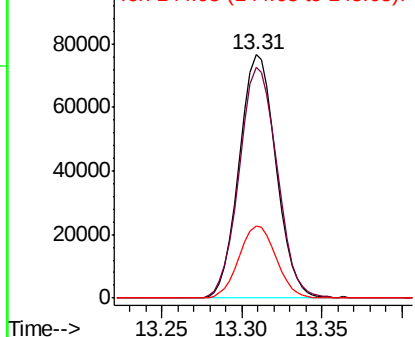


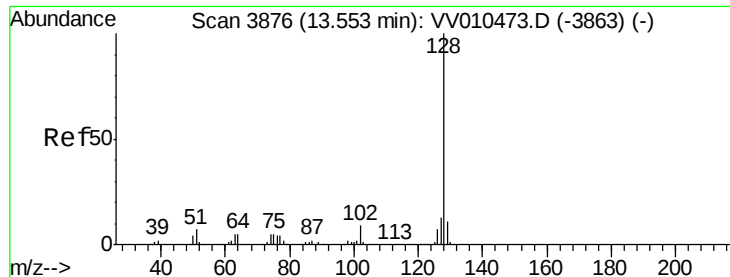
Abundance

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: 4.050 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

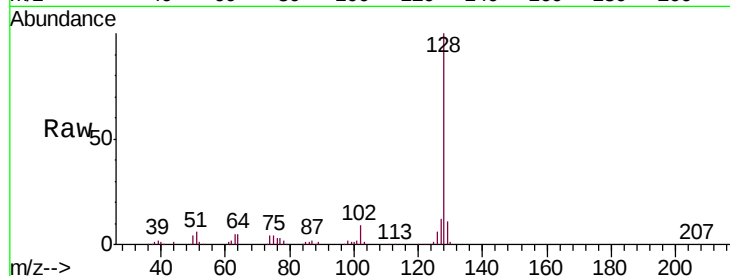
Tgt Ion:128 Resp: 155282

Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

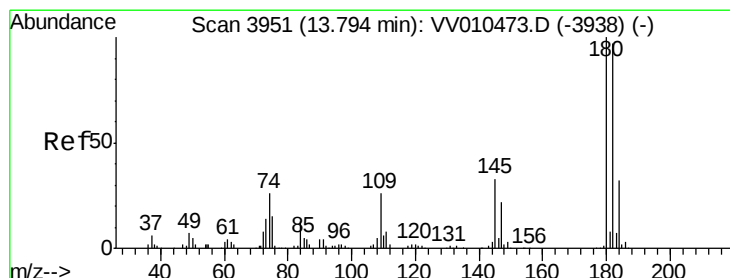
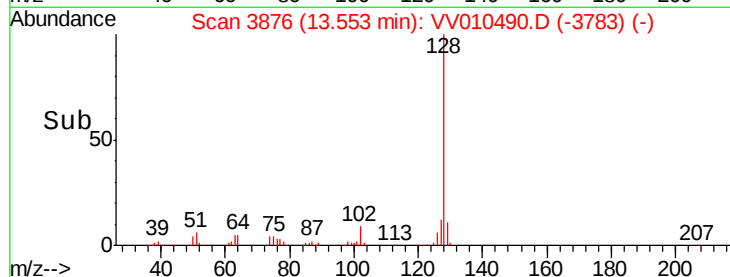
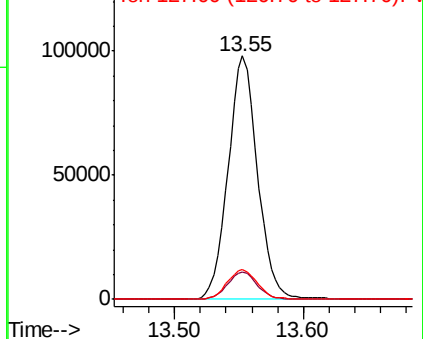
127 12.7 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.821 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010490.D

Acq: 25 Apr 2019 03:49

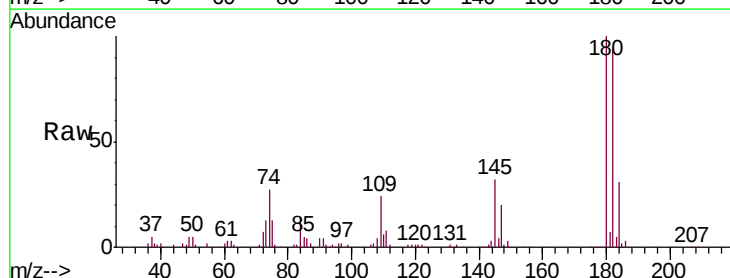
Tgt Ion:180 Resp: 118107

Ion Ratio Lower Upper

180 100

182 93.2 76.9 115.3

145 31.6 25.4 38.0



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

