

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090919\
 Data File : VV012643.D
 Acq On : 10 Sep 2019 00:28
 Operator : SY/MD
 Sample : K4703-16
 Misc : 25mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 10 09:35:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR090919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Sep 10 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	403900	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	409908	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	159678	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	126376	4.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.20%
7) Chloroethane-d5	1.58	69	109495	4.83	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.60%
11) 1,1-Dichloroethene-d2	2.13	63	151186	3.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.40%
20) 2-Butanone-d5	3.93	46	252417	38.28	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.56%
24) Chloroform-d	4.40	84	203243	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
26) 1,2-Dichloroethane-d4	5.08	65	121958	5.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.40%
32) Benzene-d6	5.10	84	435311	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
36) 1,2-Dichloropropane-d6	6.12	67	148400	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.36	98	356347	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
43) trans-1,3-Dichloropropene-	7.66	79	45915	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	8.13	63	200039	49.42	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.84%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	107720	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	142022	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	109406	3.212	ug/L	99
12) 1,1-Dichloroethene	2.14	96	4359	0.174	ug/L #	1
13) Acetone	2.19	43	11257	2.913	ug/L	94
15) Methyl Acetate	2.30	43	9446	0.909	ug/L #	51
17) Methyl tert-butyl Ether	2.80	73	25917	0.440	ug/L	96
22) cis-1,2-Dichloroethene	3.95	96	6430	0.210	ug/L	87
25) Chloroform	4.42	83	49033	0.838	ug/L	95
31) Carbon tetrachloride	4.87	117	9081	0.229	ug/L	98
34) Trichloroethene	5.96	95	256588	7.751	ug/L	99
35) Methylcyclohexane	6.12	83	36527	0.781	ug/L #	17
37) 1,2-Dichloropropane	6.12	63	15525	0.520	ug/L #	88
44) trans-1,3-Dichloropropene	7.66	75	2417	0.082	ug/L	85
45) 1,1,2-Trichloroethane	8.02	97	20455	0.984	ug/L #	1
47) Tetrachloroethene	8.02	164	2617293	100.716	ug/L	98
48) 2-Hexanone	8.18	43	27601	2.332	ug/L #	77
49) Dibromochloromethane	8.02	129	2292546	92.740	ug/L #	11

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Sep 10 09:27:53 2019
Response via : Initial Calibration

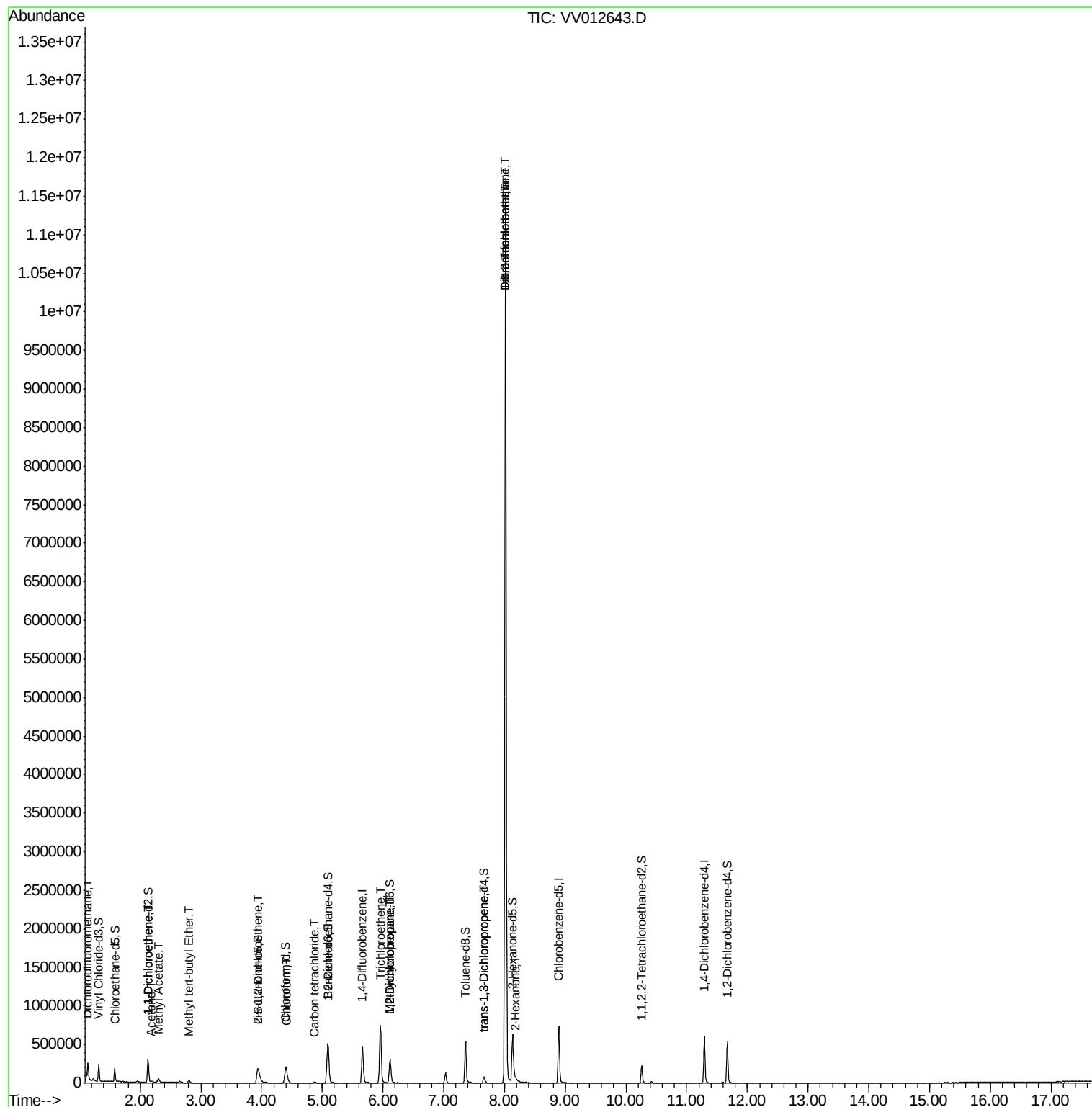
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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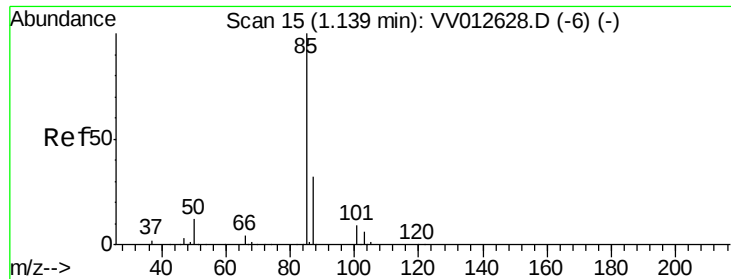
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 10 09:27:53 2019
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#2

Dichlorodifluoromethane

Concen: 3.212 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012643.D

Acq: 10 Sep 2019 00:28

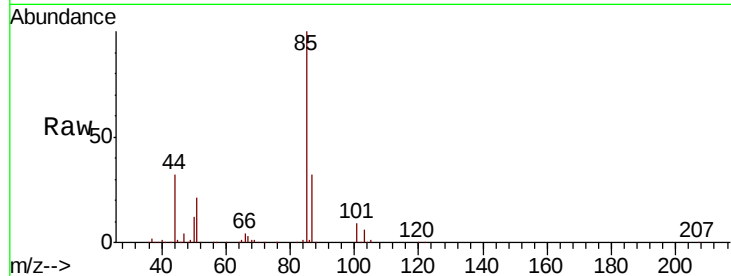
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 85 Resp: 109406

Ion Ratio Lower Upper

85 100

87 33.1 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV012628.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV012628.D (-6) (-)

1.14

120000

100000

80000

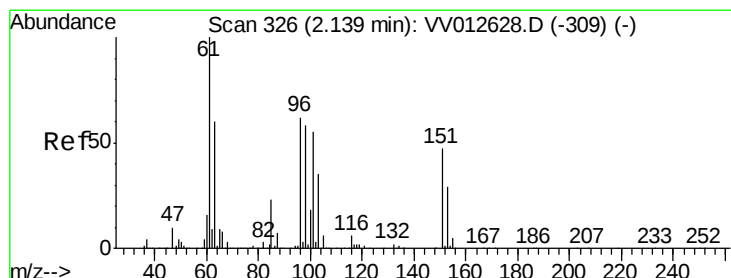
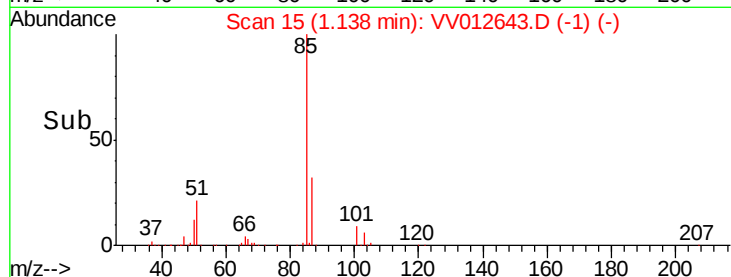
60000

40000

20000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.174 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012643.D

Acq: 10 Sep 2019 00:28

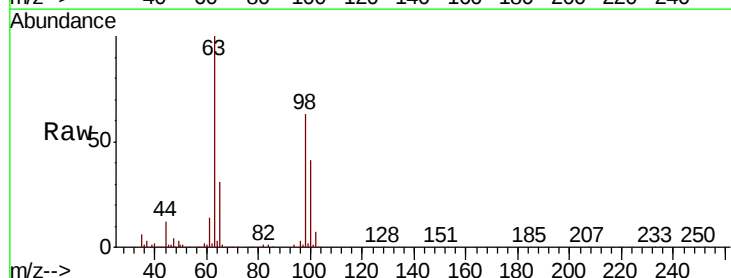
Tgt Ion: 96 Resp: 4359

Ion Ratio Lower Upper

96 100

61 408.9 115.8 215.0#

63 2962.4 79.4 147.4#



Abundance Ion 96.00 (95.70 to 96.70): VV012628.D (-309) (-)

Ion 61.05 (60.75 to 61.75): VV012628.D (-309) (-)

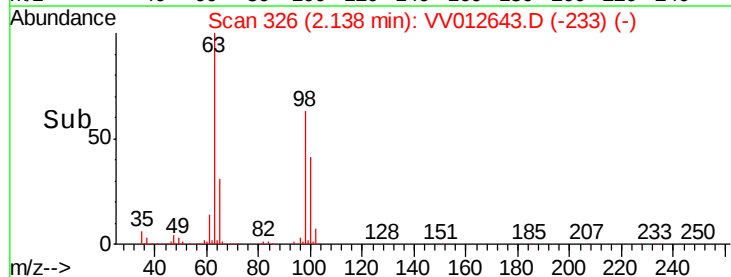
Ion 63.00 (62.70 to 63.70): VV012628.D (-309) (-)

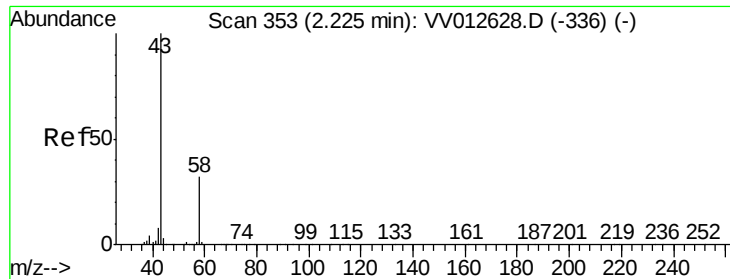
100000

50000

0

Time-->





#13

Acetone

Concen: 2.913 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.04 min

Lab File: VV012643.D

Acq: 10 Sep 2019 00:28

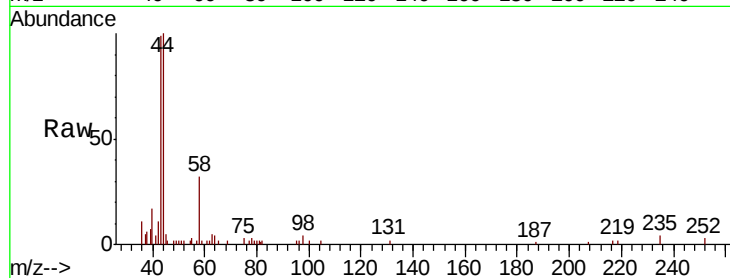
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 11257

Ion Ratio Lower Upper

43 100

58 37.3 0.0 67.4



Abundance Ion 43.05 (42.75 to 43.75): VV012628.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV012628.D (-336) (-)

8000

6000

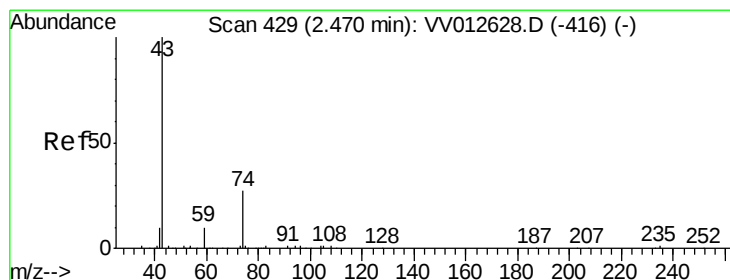
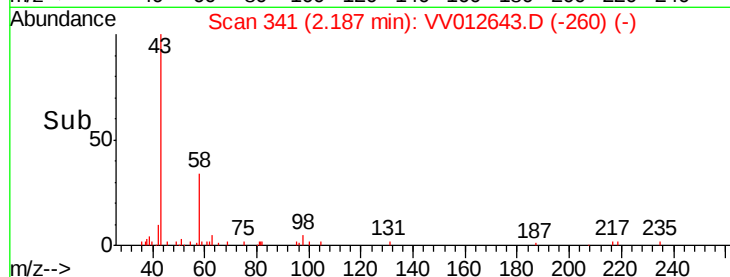
4000

2000

0

2.10 2.15 2.20 2.25

Time-->



#15

Methyl Acetate

Concen: 0.909 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.17 min

Lab File: VV012643.D

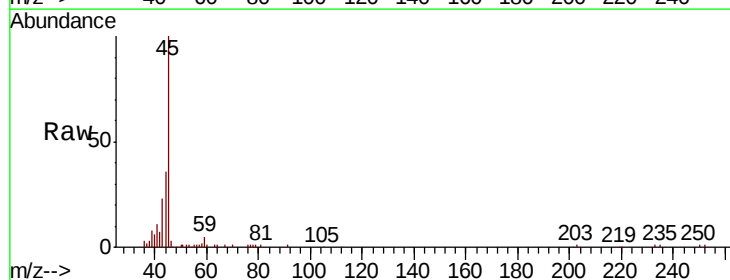
Acq: 10 Sep 2019 00:28

Tgt Ion: 43 Resp: 9446

Ion Ratio Lower Upper

43 100

74 0.5 19.8 29.6#



Abundance Ion 43.05 (42.75 to 43.75): VV012628.D (-416) (-)

Ion 74.05 (73.75 to 74.75): VV012628.D (-416) (-)

6000

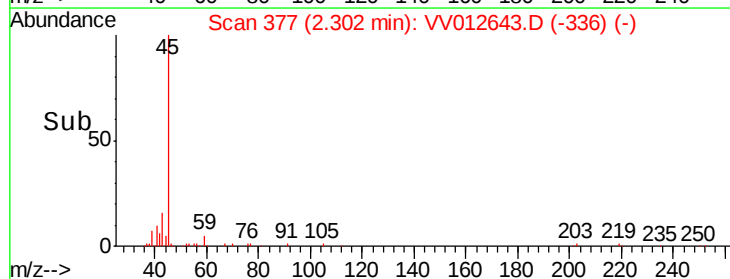
4000

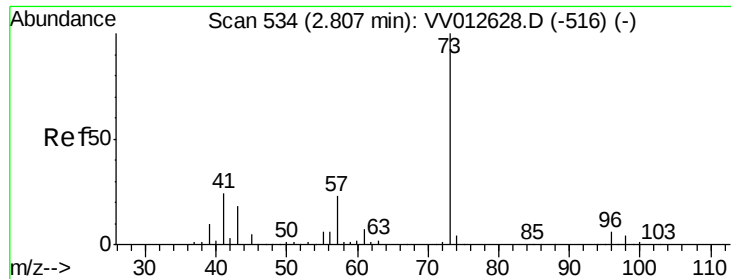
2000

0

2.25 2.30 2.35

Time-->

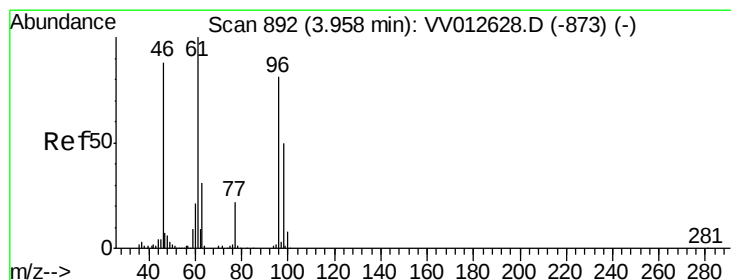
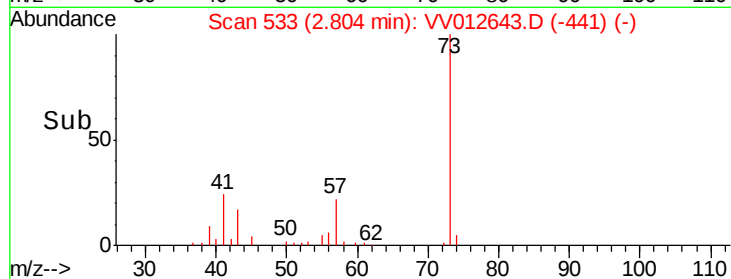
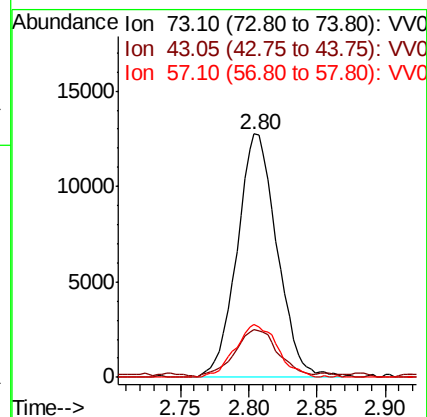
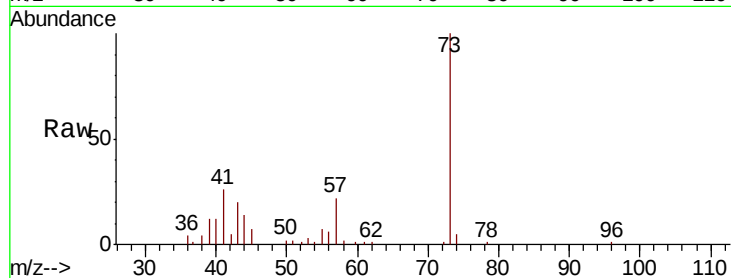




#17
Methvl tert-butvl Ether
Concen: 0.440 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.00 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

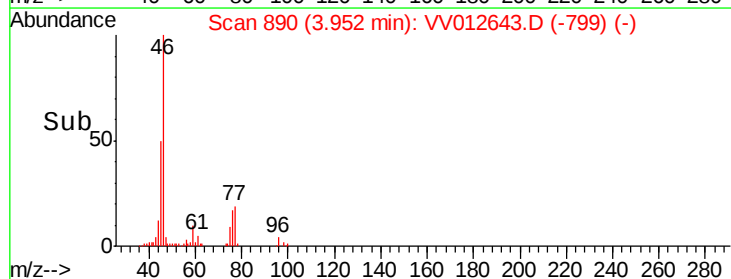
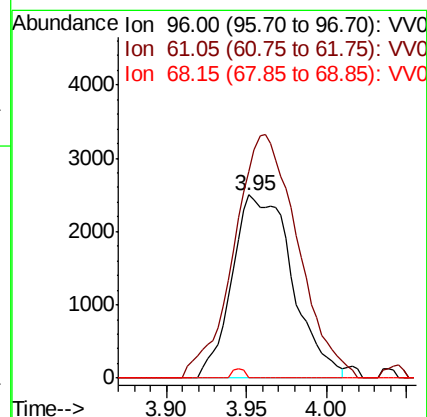
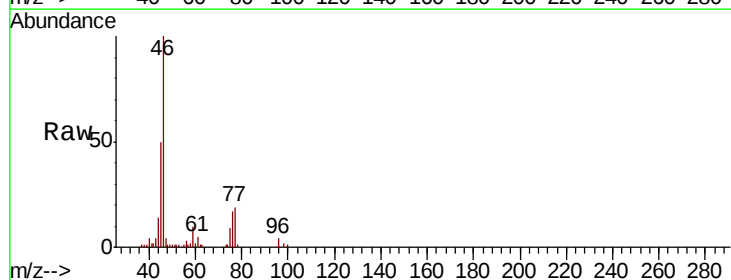
Instrument :
MSVOA_V
ClientSampleId :

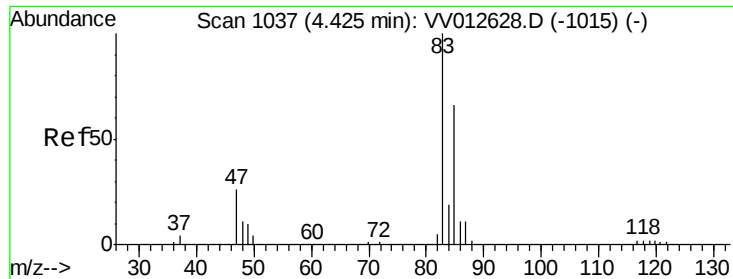
Tot Ion: 73 Resp: 25917
Ion Ratio Lower Upper
73 100
43 21.6 14.6 21.8
57 23.0 18.2 27.2



#22
cis-1,2-Dichloroethene
Concen: 0.210 ug/L
RT: 3.95 min Scan# 890
Delta R.T. -0.01 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Tgt Ion: 96 Resp: 6430
Ion Ratio Lower Upper
96 100
61 112.8 89.7 166.5
68 0.0 0.0 0.0

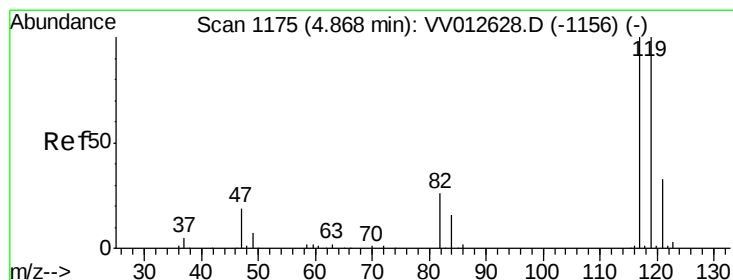
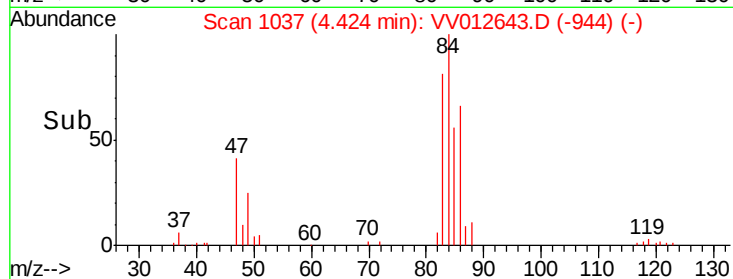
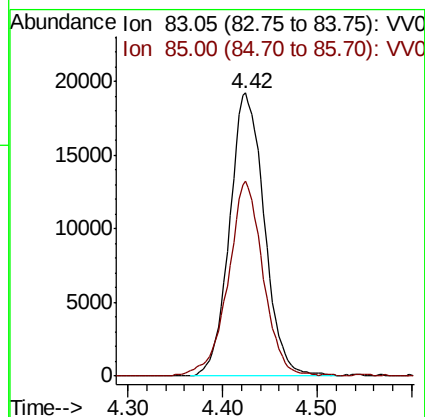
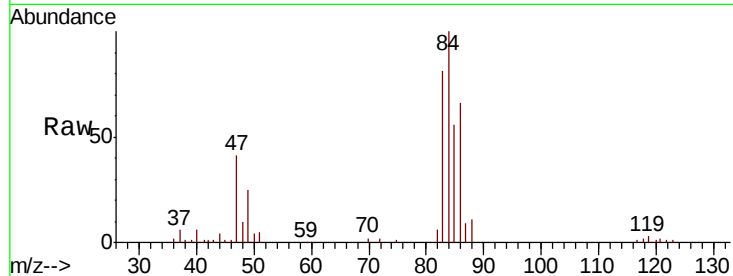




#25
Chloroform
Concen: 0.838 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

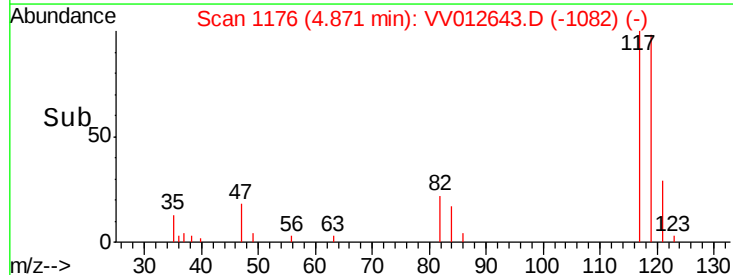
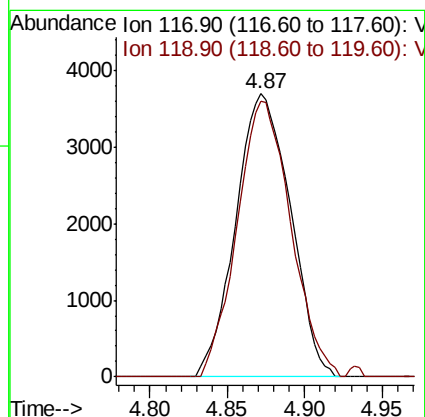
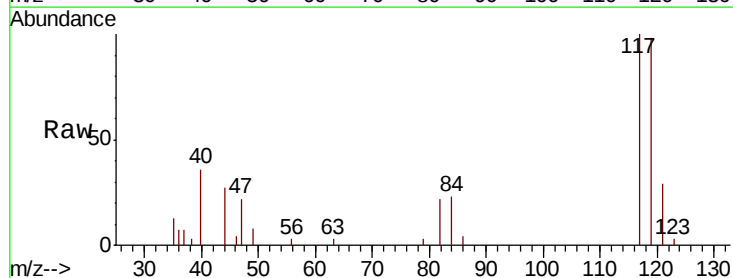
Instrument :
MSVOA_V
ClientSampleId :

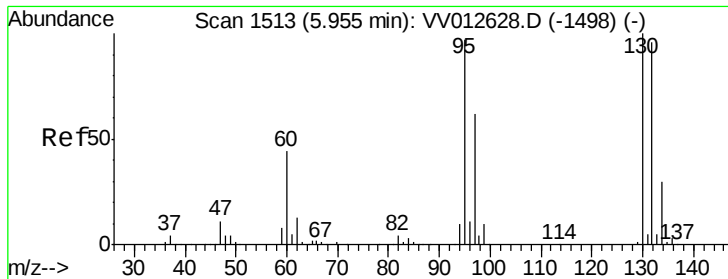
Tot Ion: 83 Resp: 49033
Ion Ratio Lower Upper
83 100
85 68.9 45.3 84.1



#31
Carbon tetrachloride
Concen: 0.229 ug/L
RT: 4.87 min Scan# 1176
Delta R.T. 0.00 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Tgt Ion: 117 Resp: 9081
Ion Ratio Lower Upper
117 100
119 95.5 77.7 116.5





#34

Trichloroethene

Concen: 7.751 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012643.D

Acq: 10 Sep 2019 00:28

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 256588

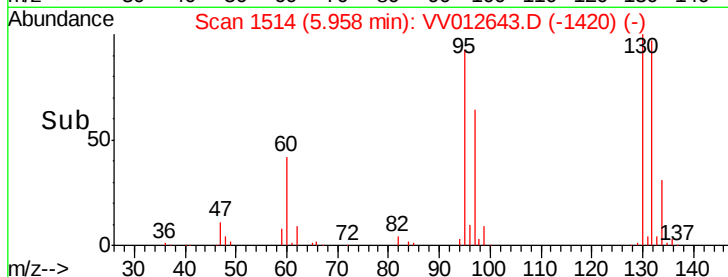
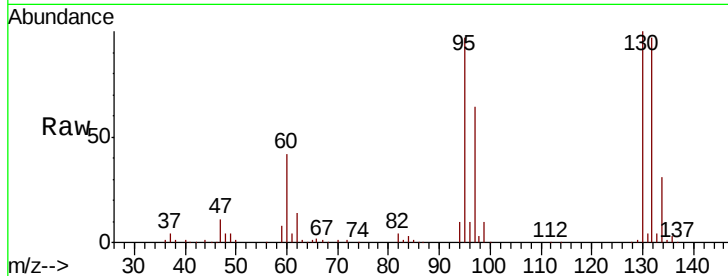
Ion Ratio Lower Upper

95 100

97 66.2 45.4 84.2

132 100.3 70.2 130.4

130 103.5 74.2 137.8

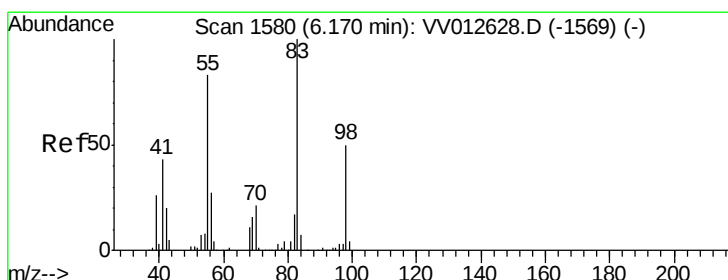
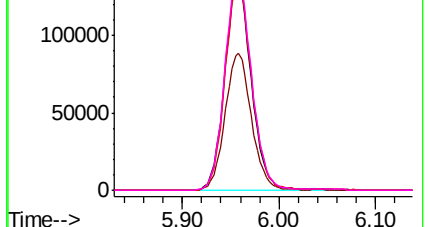


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.781 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV012643.D

Acq: 10 Sep 2019 00:28

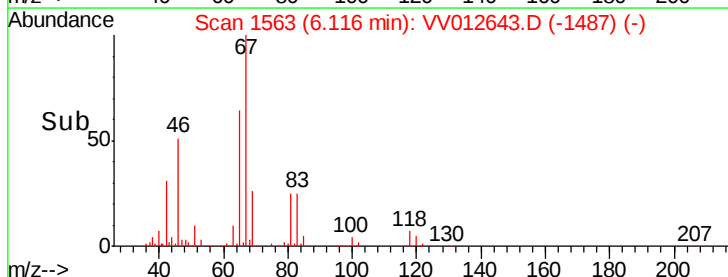
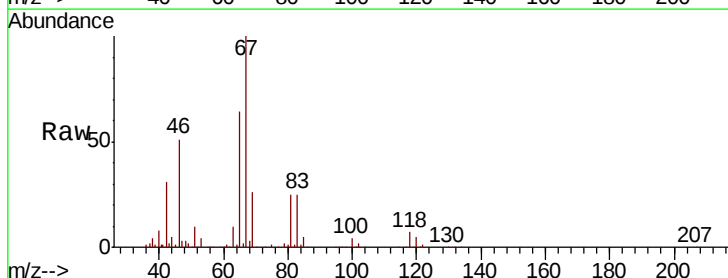
Tgt Ion: 83 Resp: 36527

Ion Ratio Lower Upper

83 100

55 0.6 63.0 94.4#

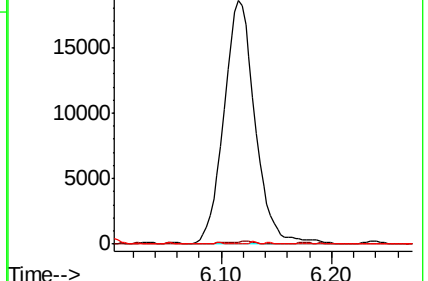
98 0.0 39.8 59.8#

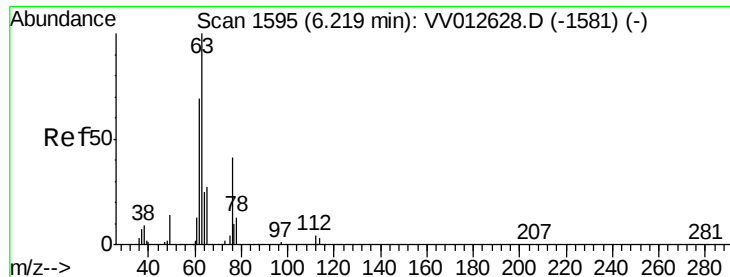


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.520 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.10 min

Lab File: VV012643.D

Acq: 10 Sep 2019 00:28

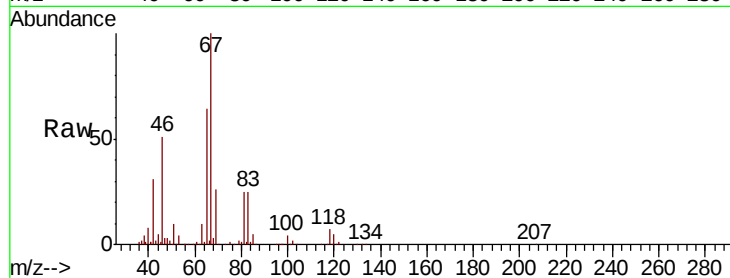
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 63 Resp: 15525

Ion Ratio Lower Upper

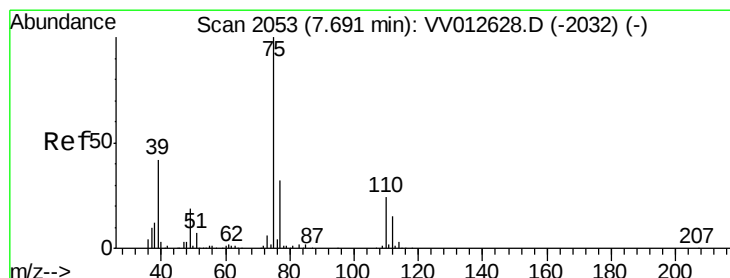
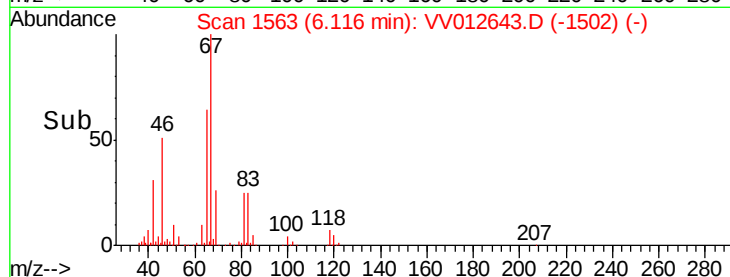
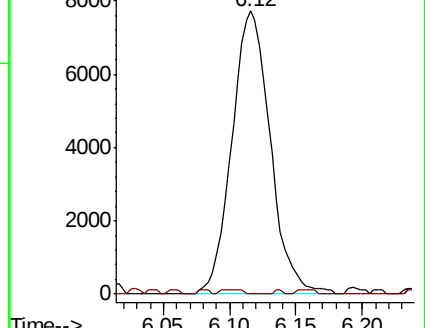
63 100

112 0.9 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VV012628.D (-1581) (-)

Ion 112.10 (111.80 to 112.80): VV012628.D (-1581) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV012643.D

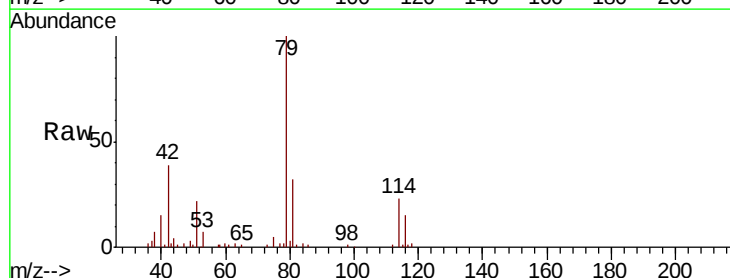
Acq: 10 Sep 2019 00:28

Tgt Ion: 75 Resp: 2417

Ion Ratio Lower Upper

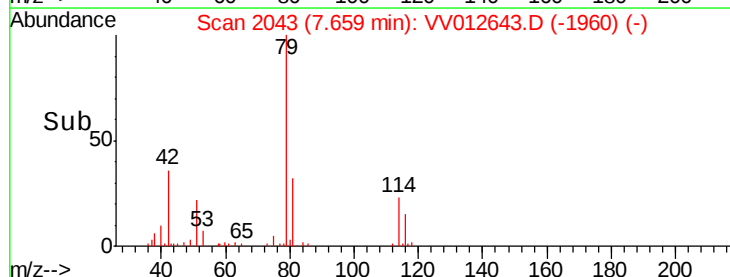
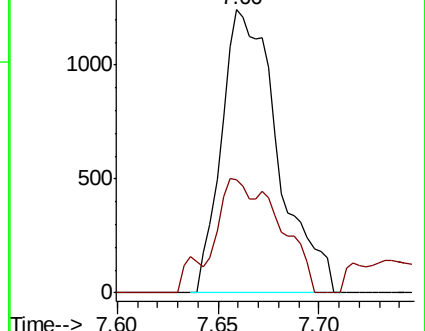
75 100

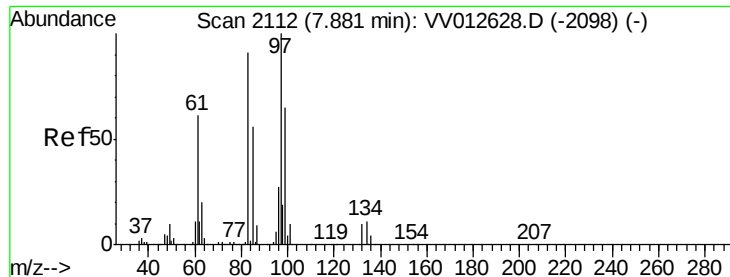
77 40.2 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VV012628.D (-2032) (-)

Ion 77.05 (76.75 to 77.75): VV012628.D (-2032) (-)

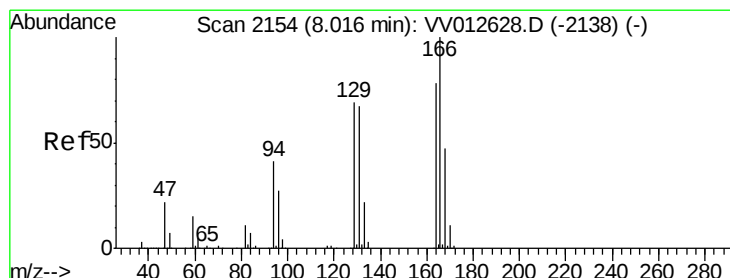
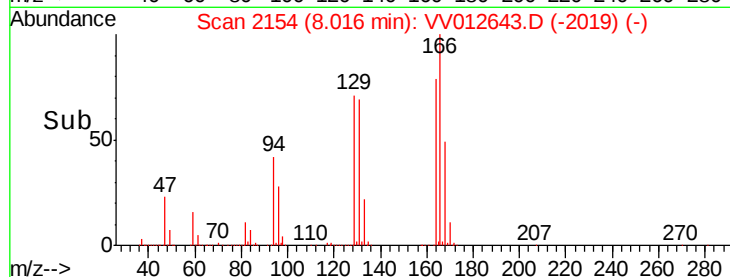
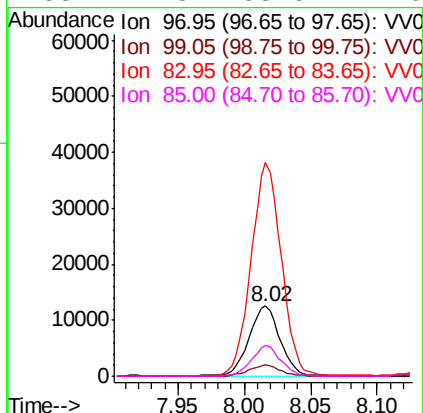
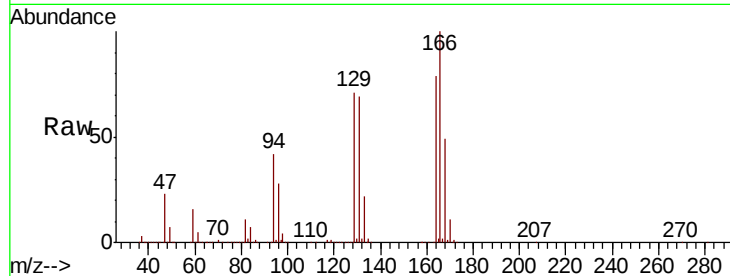




#45
 1,1,2-Trichloroethane
 Concen: 0.984 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.13 min
 Lab File: VV012643.D
 Acq: 10 Sep 2019 00:28

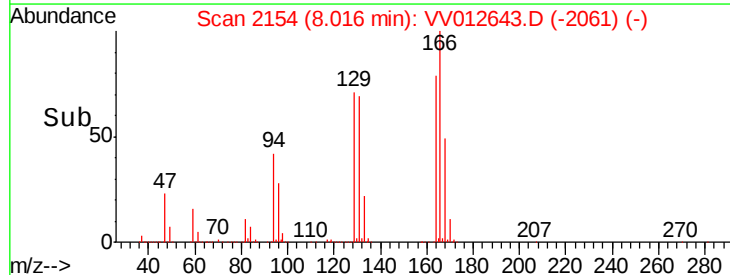
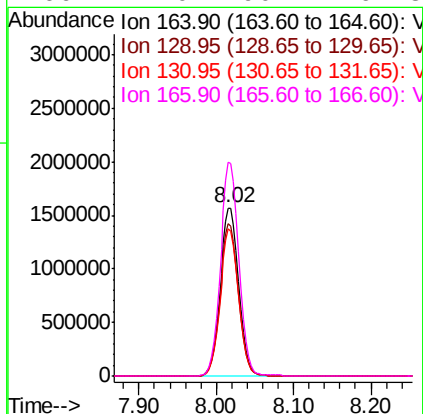
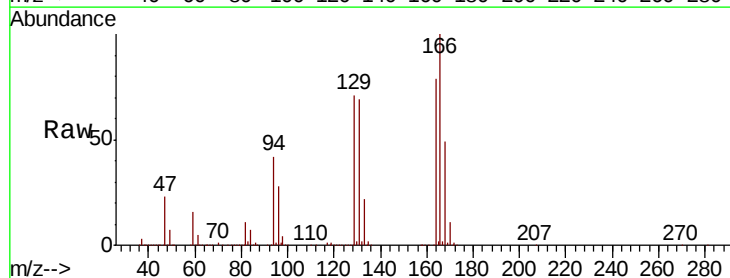
Instrument :
 MSVOA_V
 ClientSampleId :

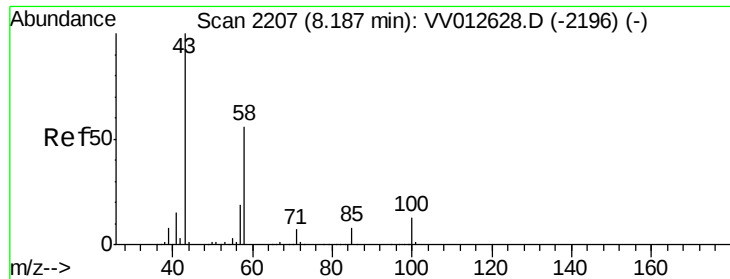
Tot Ion:	97	Resp:	20455
Ion	Ratio	Lower	Upper
97	100		
99	15.9	44.2	82.0#
83	305.8	60.8	112.8#
85	44.3	38.6	71.6



#47
 Tetrachloroethene
 Concen: 100.716 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012643.D
 Acq: 10 Sep 2019 00:28

Tgt Ion:	164	Resp:	2617293
Ion	Ratio	Lower	Upper
164	100		
129	90.8	61.9	114.9
131	87.2	59.7	110.9
166	127.0	90.4	167.8

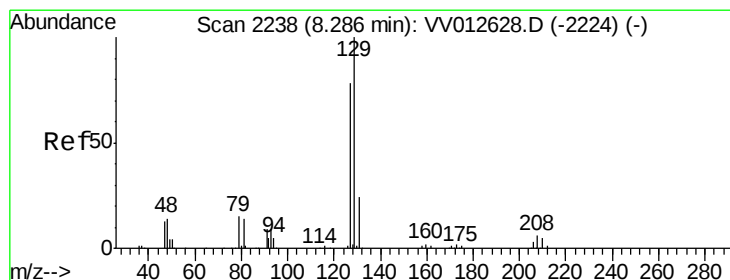
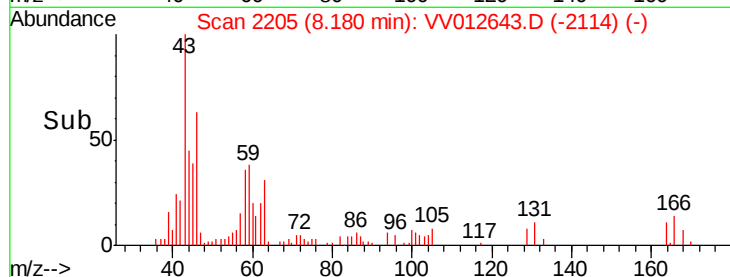
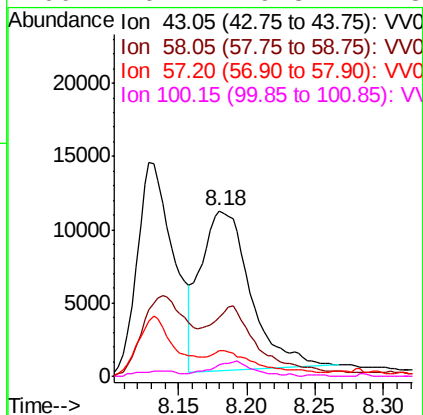
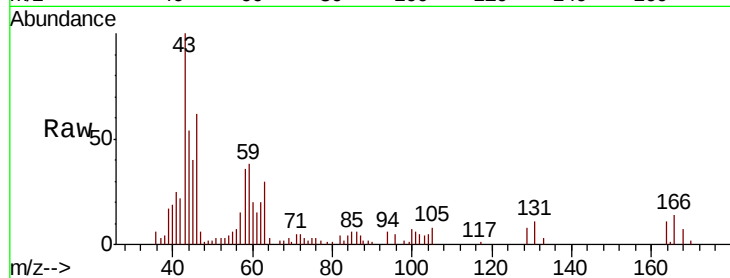




#48
2-Hexanone
Concen: 2.332 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 27601
Ion Ratio Lower Upper
43 100
58 37.0 44.8 67.2#
57 9.6 14.9 22.3#
100 6.4 9.8 14.8#



#49
Dibromochloromethane
Concen: 92.740 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.27 min
Lab File: VV012643.D
Acq: 10 Sep 2019 00:28

Tgt Ion: 129 Resp: 2292546
Ion Ratio Lower Upper
129 100
127 0.1 53.5 99.5#

