

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061820\
 Data File : VV016978.D
 Acq On : 18 Jun 2020 14:46
 Operator : SY/MD
 Sample : L3039-12
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M22

Quant Time: Jun 19 04:37:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 19 04:33:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	314510	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	296683	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	142366	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85612	38.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.16%
7) Chloroethane-d5	1.58	69	64298	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	96.58%
11) 1,1-Dichloroethene-d2	2.12	63	138744	37.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.46%
21) 2-Butanone-d5	3.91	46	161663	98.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.42%
24) Chloroform-d	4.38	84	226061	50.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.20%
26) 1,2-Dichloroethane-d4	5.06	65	163586	53.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.60%
32) Benzene-d6	5.08	84	433989	50.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.50%
36) 1,2-Dichloropropane-d6	6.09	67	135092	50.67	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.34%
41) Toluene-d8	7.34	98	400317	51.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.02%
43) trans-1,3-Dichloropropene-	7.64	79	66833	48.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.26%
47) 2-Hexanone-d5	8.11	63	90122	77.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	77.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	155221	43.98	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.96%
64) 1,2-Dichlorobenzene-d4	11.65	152	166370	54.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.52%

Target Compounds

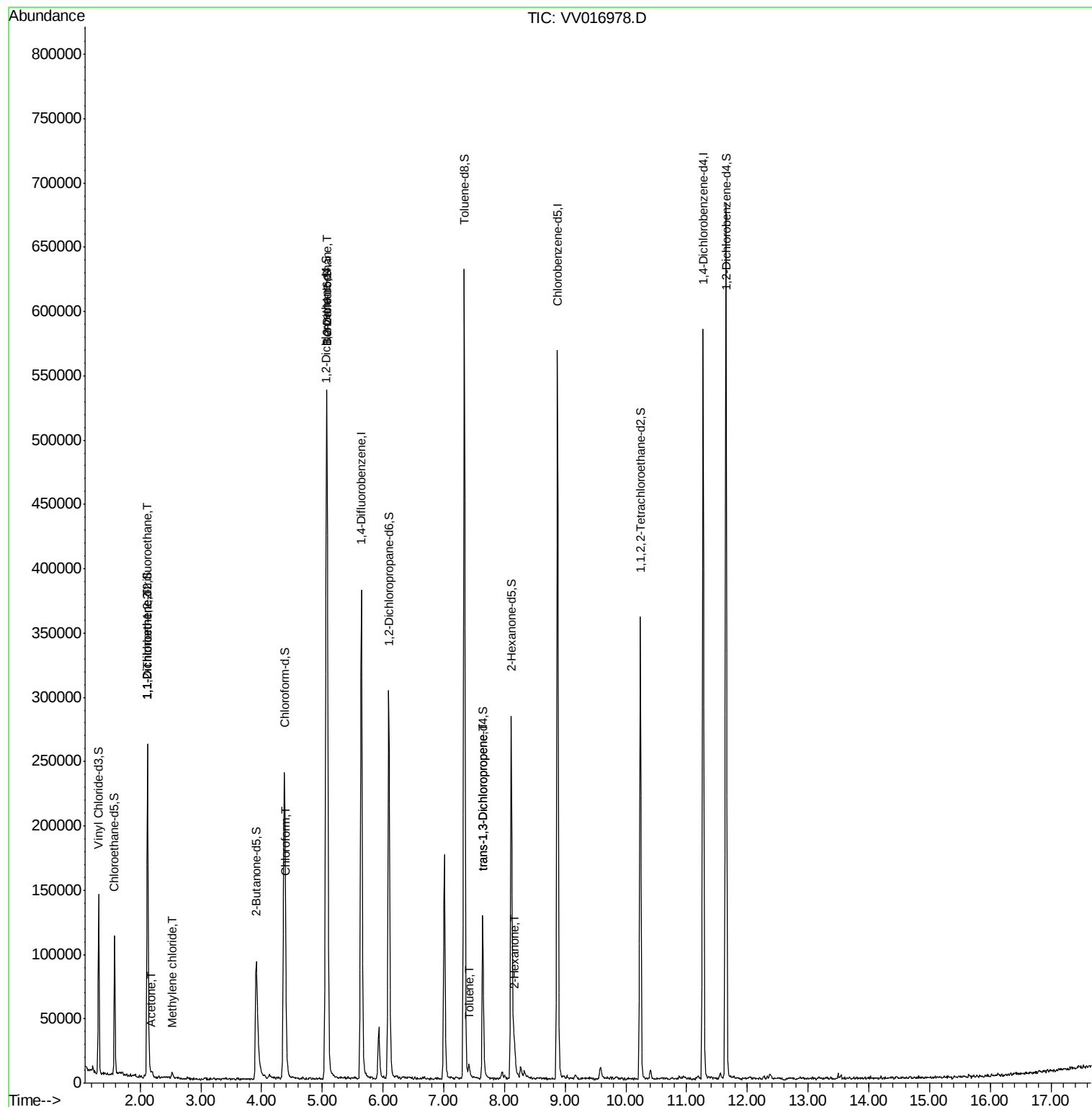
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1243	0.743	ug/L #	19
12) 1,1-Dichloroethene	2.12	96	1307	0.837	ug/L #	1
13) Acetone	2.19	43	4851	4.482	ug/L	82
16) Methylene chloride	2.52	84	1698	0.741	ug/L	84
25) Chloroform	4.41	83	5069	1.231	ug/L	93
27) 1,2-Dichloroethane	5.08	62	3715	1.076	ug/L	96
42) Toluene	7.42	91	6525	0.705	ug/L	98
44) trans-1,3-Dichloropropene	7.64	75	3478	1.009	ug/L	92
48) 2-Hexanone	8.16	43	16037	6.394	ug/L #	85

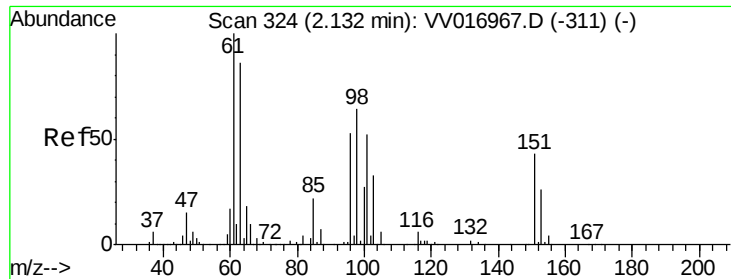
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Jun 19 04:33:43 2020
Response via : Initial Calibration





#10

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

Concen: 0.743 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV016978.D

Acq: 18 Jun 2020 14:46

Instrument :

MSVOA_V

ClientSampled :

F9M22

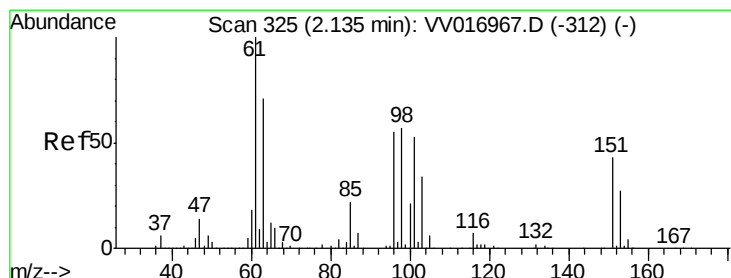
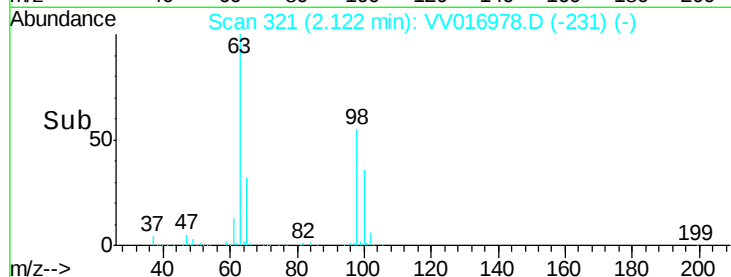
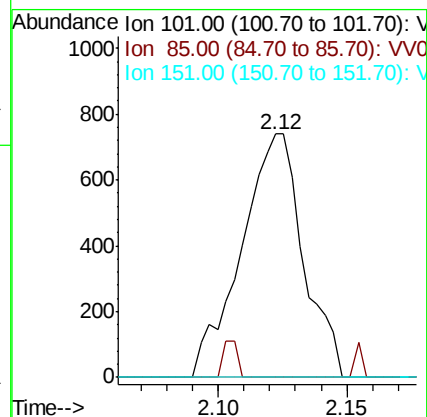
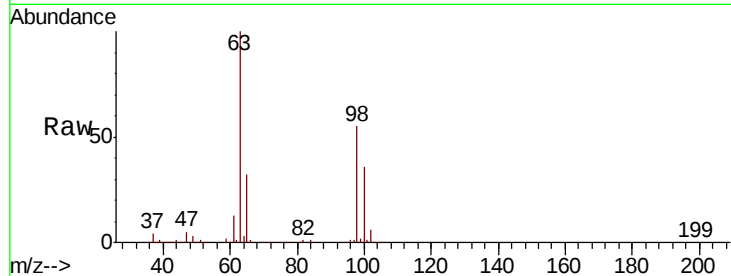
Tot Ion:101 Resp: 1243

Ion Ratio Lower Upper

101 100

85 3.5 35.5 53.3#

151 0.0 63.9 95.9#



#12

1,1-Dichloroethene

Concen: 0.837 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.02 min

Lab File: VV016978.D

Acq: 18 Jun 2020 14:46

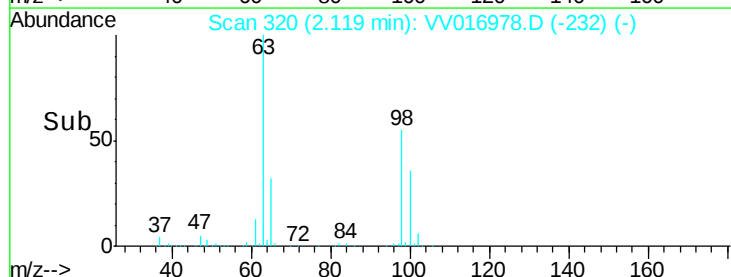
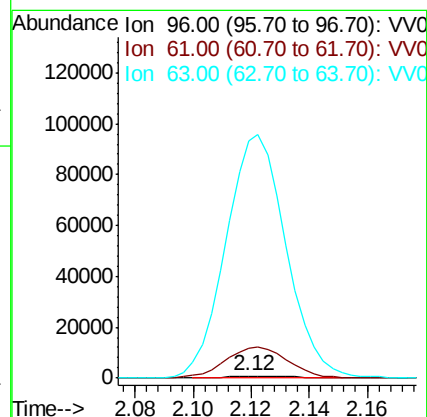
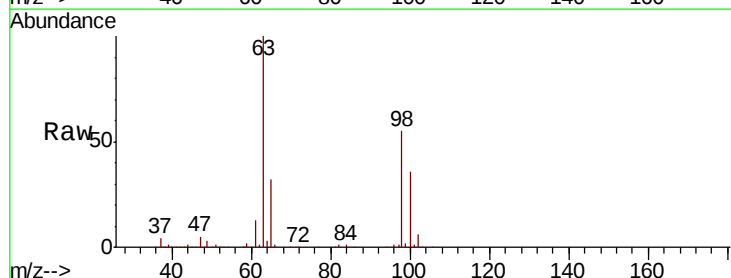
Tgt Ion: 96 Resp: 1307

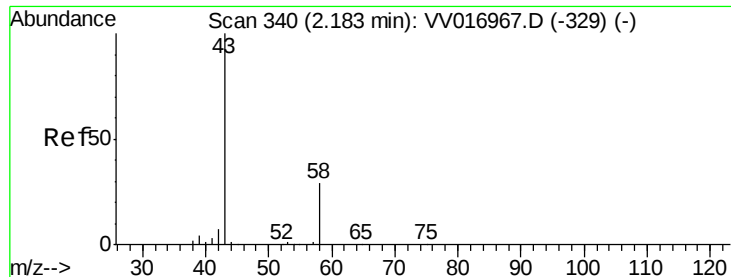
Ion Ratio Lower Upper

96 100

61 1395.0 130.4 242.2#

63 11032.6 103.3 191.9#





#13

Acetone

Concen: 4.482 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV016978.D

Acq: 18 Jun 2020 14:46

Instrument :

MSVOA_V

ClientSampleId :

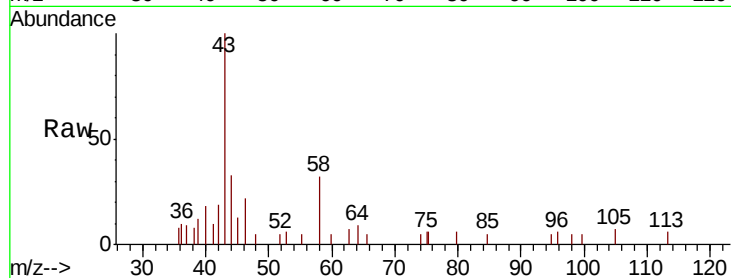
F9M22

Tot Ion: 43 Resp: 4851

Ion Ratio Lower Upper

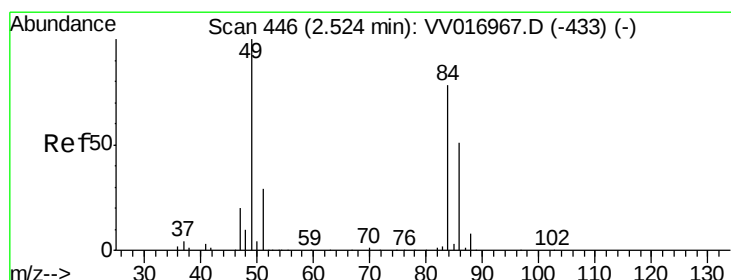
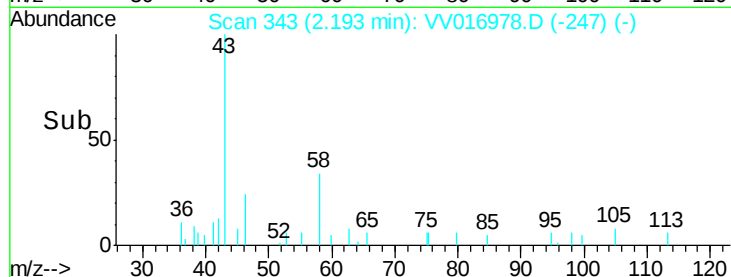
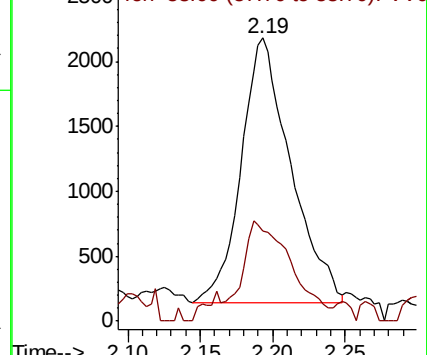
43 100

58 37.1 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#16

Methylene chloride

Concen: 0.741 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016978.D

Acq: 18 Jun 2020 14:46

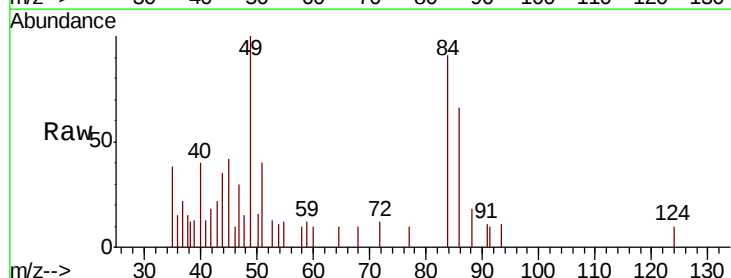
Tgt Ion: 84 Resp: 1698

Ion Ratio Lower Upper

84 100

86 73.1 44.0 81.8

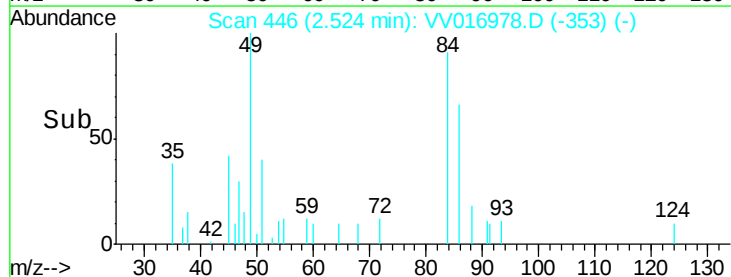
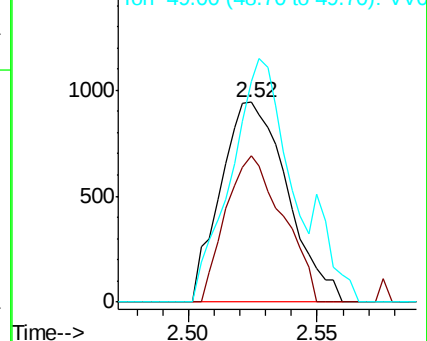
49 110.4 90.9 168.9

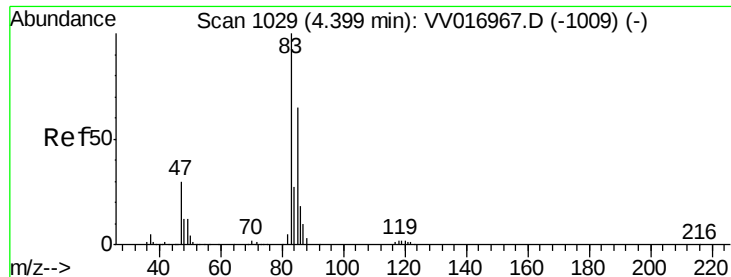


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#25

Chloroform

Concen: 1.231 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV016978.D

Acq: 18 Jun 2020 14:46

Instrument :

MSVOA_V

ClientSampleId :

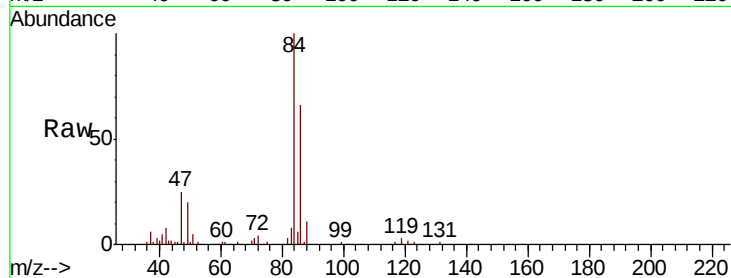
F9M22

Tot Ion: 83 Resp: 5069

Ion Ratio Lower Upper

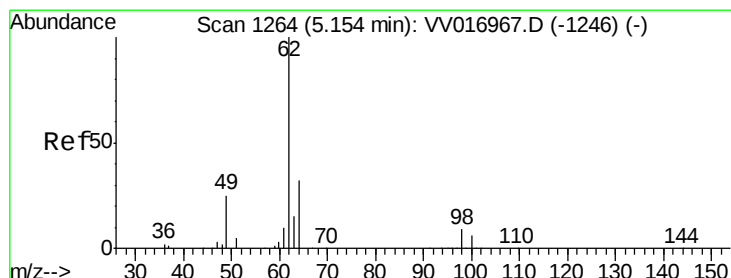
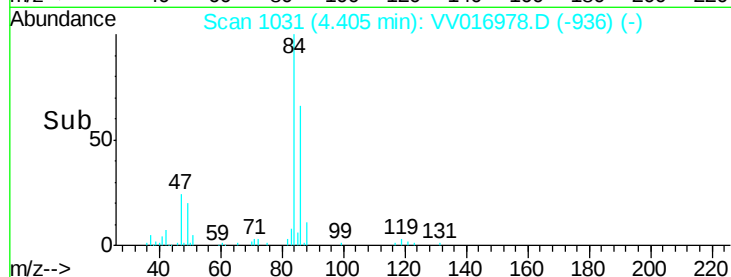
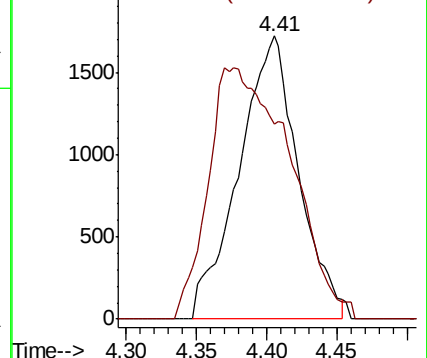
83 100

85 68.8 44.1 81.9



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#27

1,2-Dichloroethane

Concen: 1.076 ug/L

RT: 5.08 min Scan# 1240

Delta R.T. -0.08 min

Lab File: VV016978.D

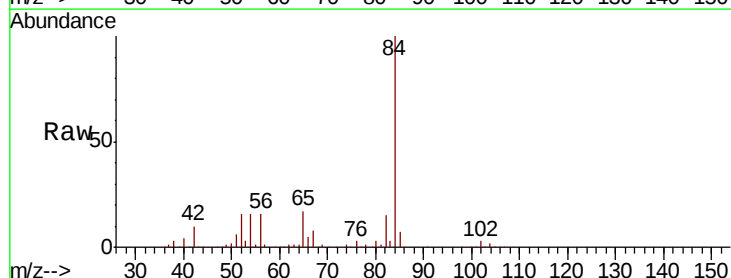
Acq: 18 Jun 2020 14:46

Tgt Ion: 62 Resp: 3715

Ion Ratio Lower Upper

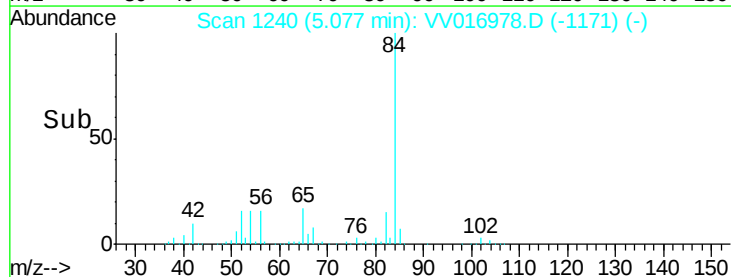
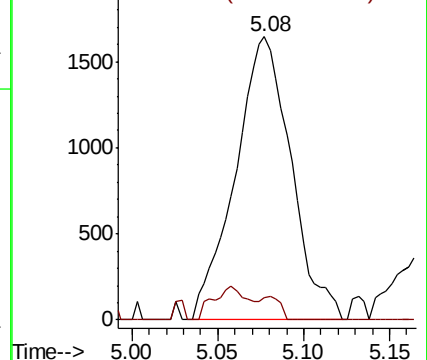
62 100

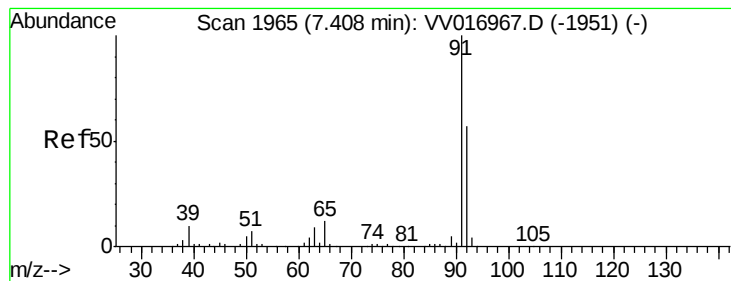
98 7.8 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#42

Toluene

Concen: 0.705 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV016978.D

Acq: 18 Jun 2020 14:46

Instrument :

MSVOA_V

ClientSampleId :

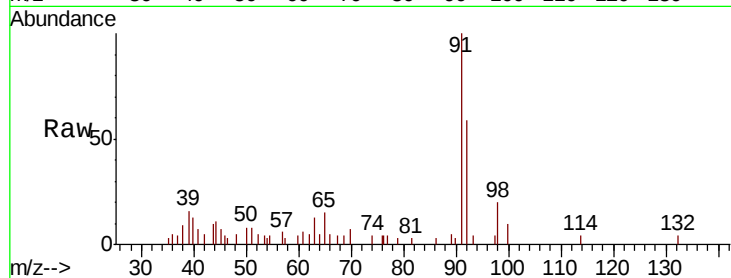
F9M22

Tot Ion: 91 Resp: 6525

Ion Ratio Lower Upper

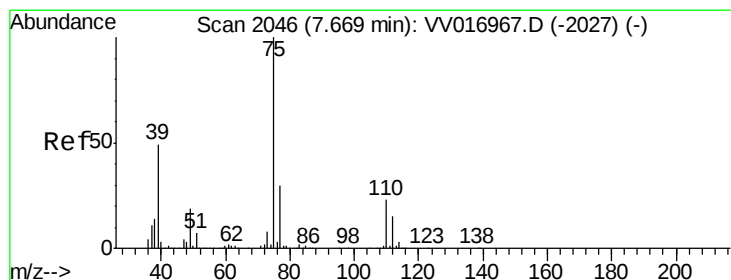
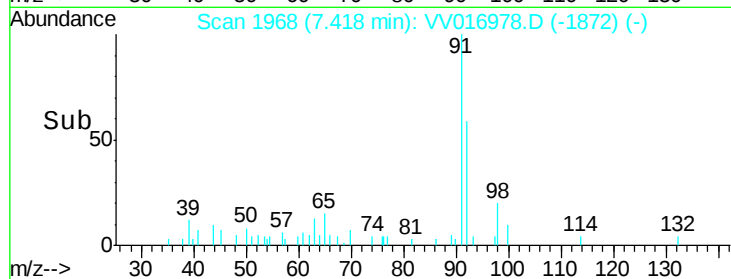
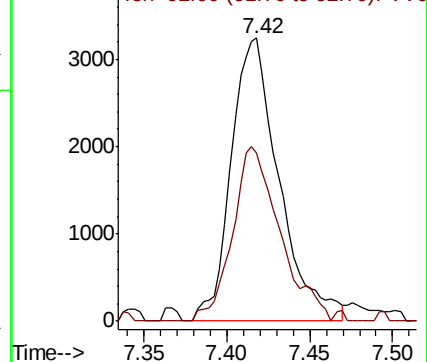
91 100

92 59.2 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 1.009 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV016978.D

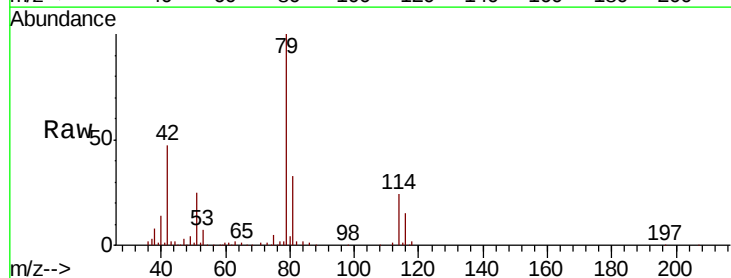
Acq: 18 Jun 2020 14:46

Tgt Ion: 75 Resp: 3478

Ion Ratio Lower Upper

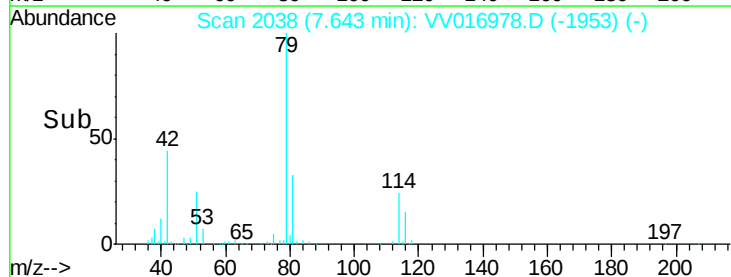
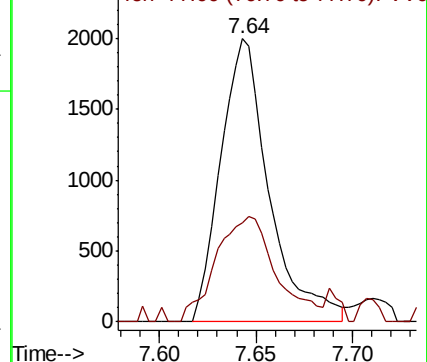
75 100

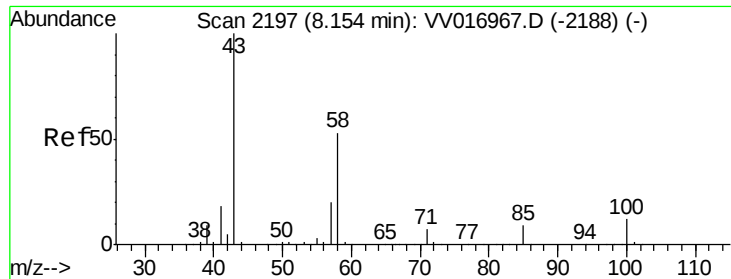
77 35.2 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#48
 2-Hexanone
 Concen: 6.394 ug/L
 RT: 8.16 min Scan# 2200
 Delta R.T. 0.01 min
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 Acq: 18 Jun 2020 14:46

Instrument :
 MSVOA_V
 ClientSampleId :
 F9M22

Tot Ion:	43	Resp:	16037
Ion	Ratio	Lower	Upper
43	100		
58	45.8	43.1	64.7
57	5.7	15.3	22.9#
100	8.1	10.0	15.0#

