

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112719\
 Data File : VV013822.D
 Acq On : 27 Nov 2019 14:26
 Operator : SY/MD
 Sample : K6061-09
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 28 02:56:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 28 02:51:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	327348	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	311822	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	142893	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	72080	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.58	69	73722	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.13	63	104840	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	3.95	46	245307	58.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.48%
24) Chloroform-d	4.40	84	167891	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.20%
26) 1,2-Dichloroethane-d4	5.08	65	95776	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.10	84	337254	4.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.80%
36) 1,2-Dichloropropane-d6	6.11	67	109252	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.36	98	267042	3.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.80%
43) trans-1,3-Dichloropropene-	7.66	79	36482	3.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.20%
46) 2-Hexanone-d5	8.14	63	175018	50.85	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.70%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	88710	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	124229	4.92	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.40%

Target Compounds

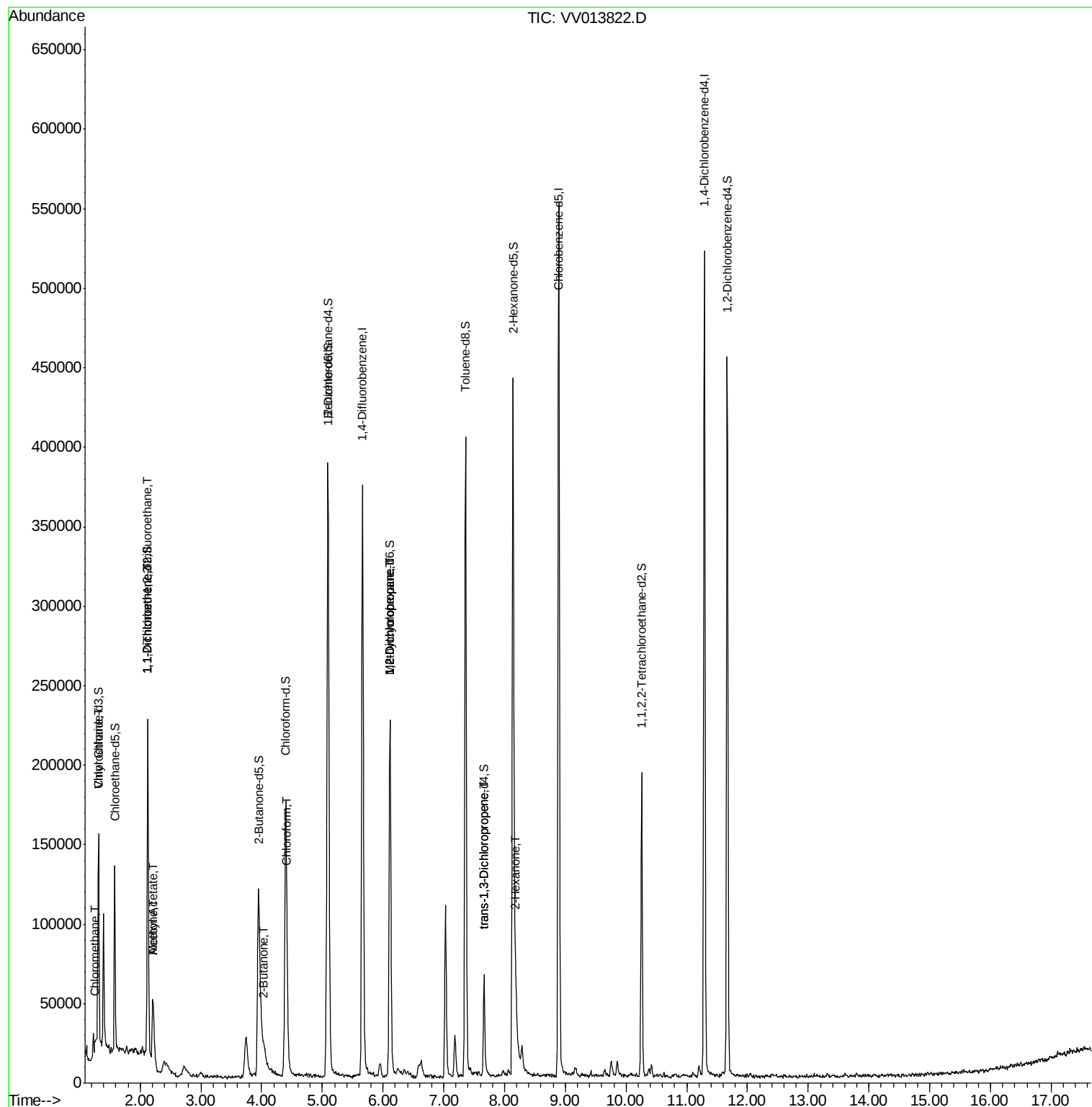
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	3167	0.165	ug/L	87
8) Chloroethane	1.31	64	2513	0.213	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1334	0.074	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	1258	0.080	ug/L #	1
13) Acetone	2.21	43	81234	27.580	ug/L #	56
15) Methyl Acetate	2.21	43	73542	11.153	ug/L #	50
21) 2-Butanone	4.04	43	21956	4.932	ug/L	87
25) Chloroform	4.42	83	16450	0.437	ug/L	98
35) Methylcyclohexane	6.11	83	26223	0.931	ug/L #	20
37) 1,2-Dichloropropane	6.11	63	11288	0.574	ug/L #	85
44) trans-1,3-Dichloropropene	7.66	75	1745	0.080	ug/L	85
48) 2-Hexanone	8.19	43	16234	1.983	ug/L	95

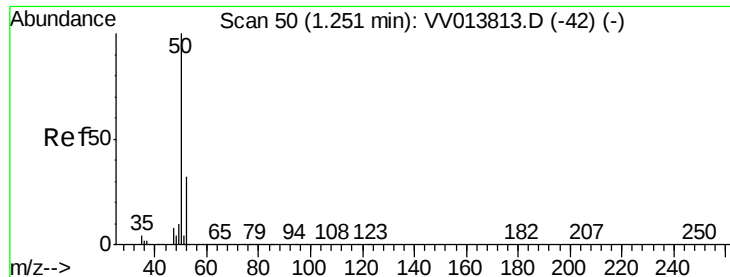
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 28 02:51:59 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.165 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013822.D

Acq: 27 Nov 2019 14:26

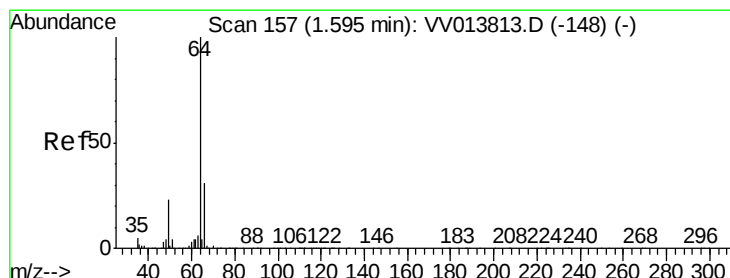
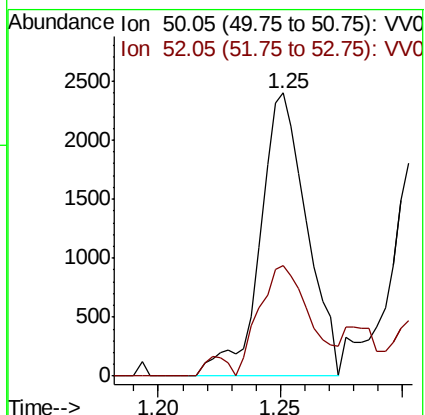
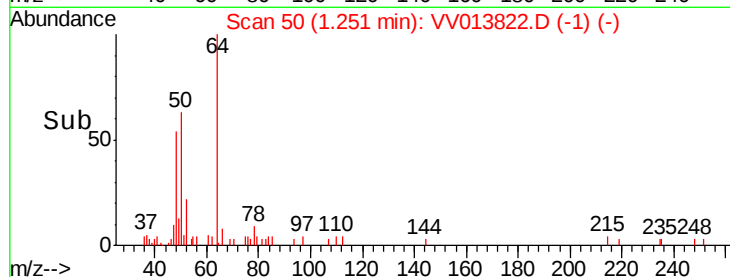
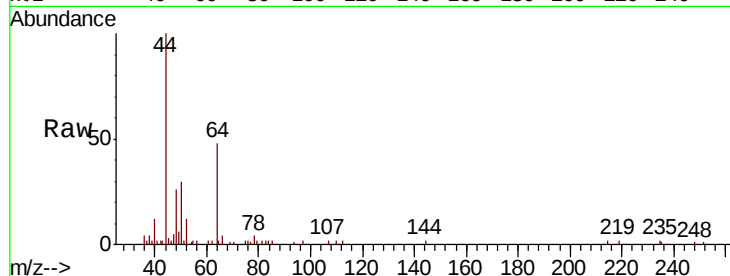
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 3167

Ion Ratio Lower Upper

50 100

52 39.2 22.5 41.7



#8

Chloroethane

Concen: 0.213 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.28 min

Lab File: VV013822.D

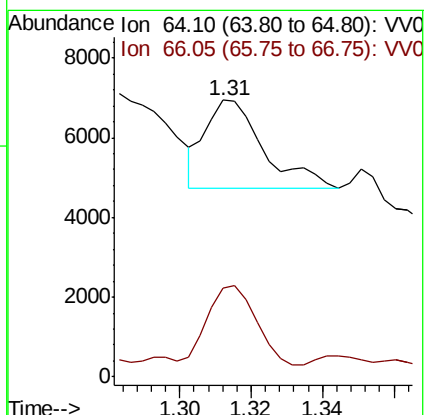
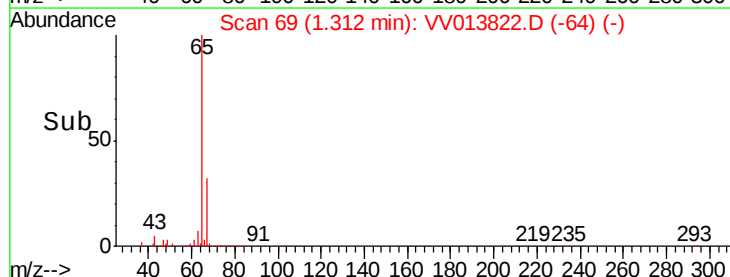
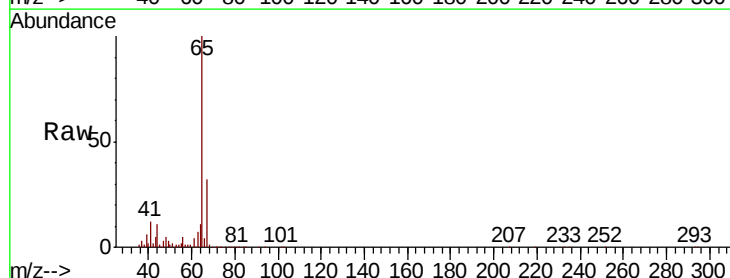
Acq: 27 Nov 2019 14:26

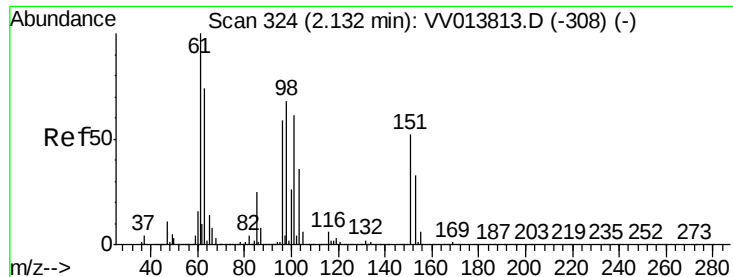
Tgt Ion: 64 Resp: 2513

Ion Ratio Lower Upper

64 100

66 32.3 22.6 42.0





#10

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

Concen: 0.074 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV013822.D

Acq: 27 Nov 2019 14:26

Instrument :

MSVOA_V

ClientSampled :

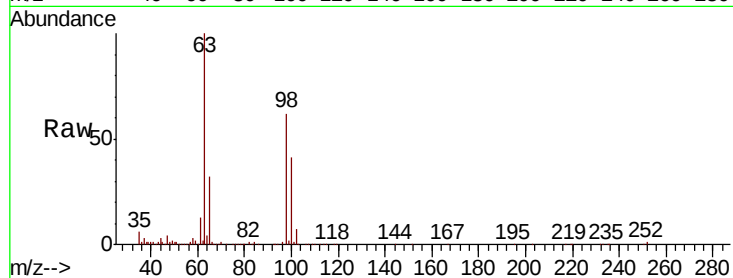
Tot Ion:101 Resp: 1334

Ion Ratio Lower Upper

101 100

85 0.0 33.4 50.0#

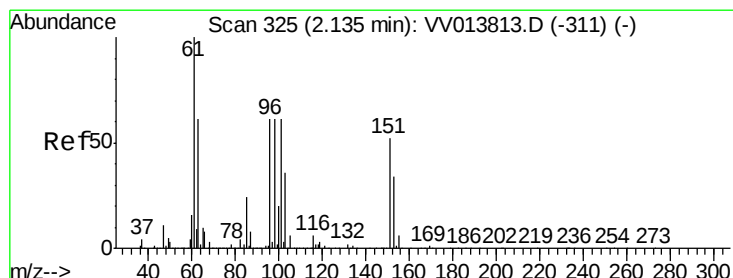
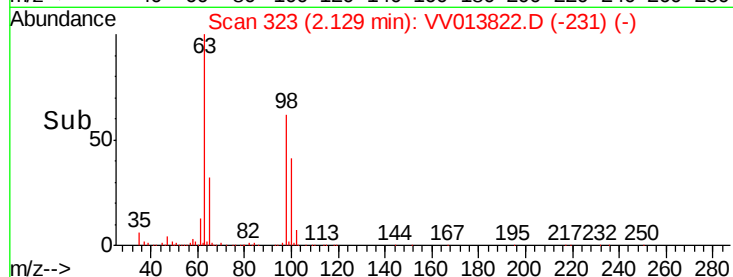
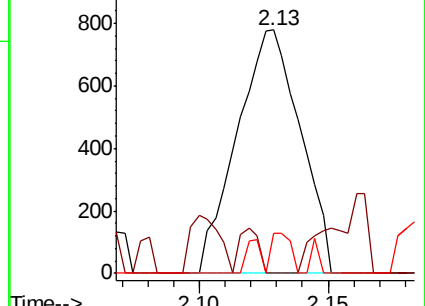
151 5.2 69.4 104.0#



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: 0.080 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013822.D

Acq: 27 Nov 2019 14:26

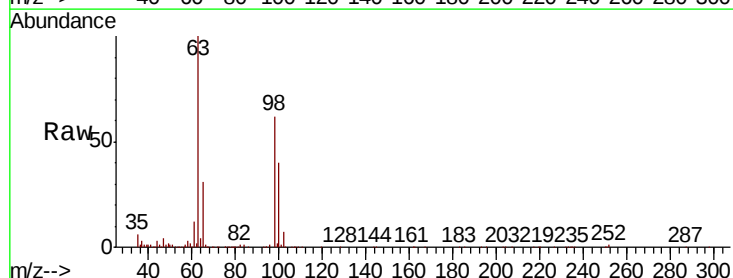
Tgt Ion: 96 Resp: 1258

Ion Ratio Lower Upper

96 100

61 1246.2 116.3 215.9#

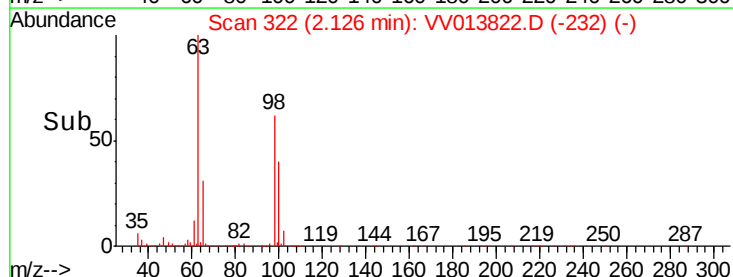
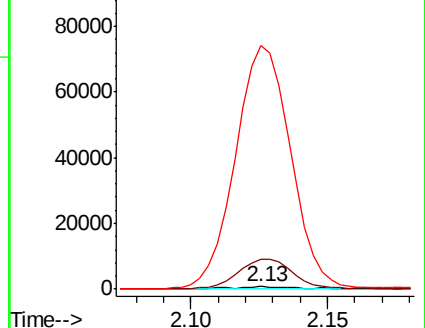
63 10282.4 96.7 179.7#

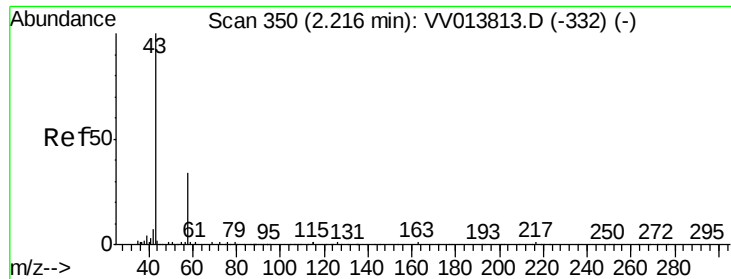


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 27.580 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV013822.D

Acq: 27 Nov 2019 14:26

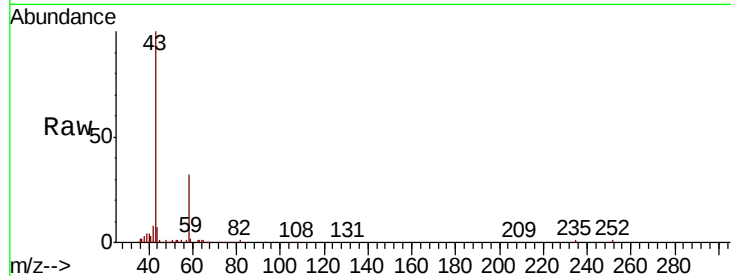
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 81234

Ion Ratio Lower Upper

43 100

58 31.4 0.0 27.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

30000

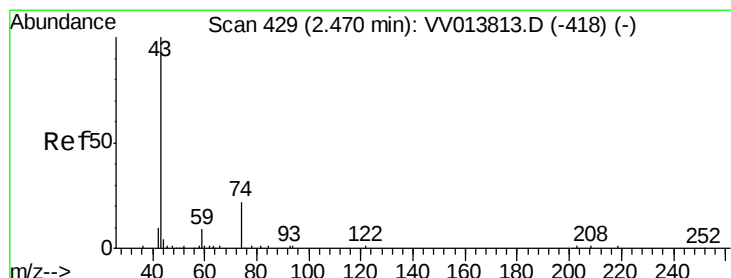
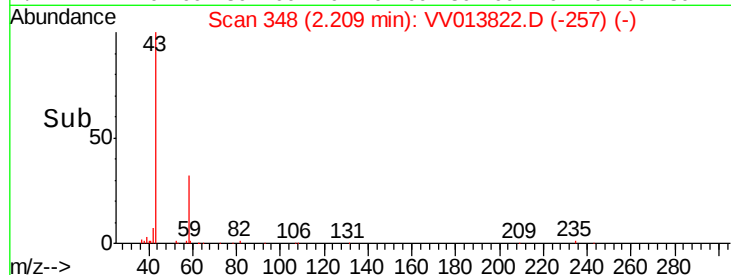
20000

10000

0

Time-->

2.10 2.20 2.30



#15

Methyl Acetate

Concen: 11.153 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.26 min

Lab File: VV013822.D

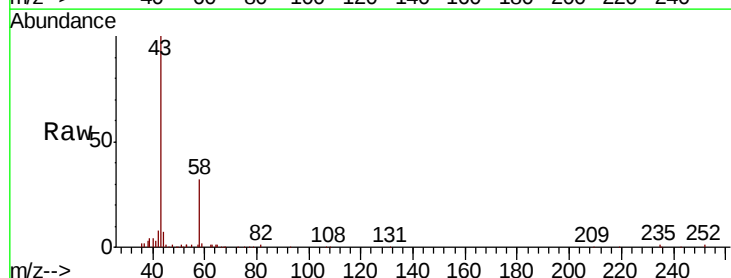
Acq: 27 Nov 2019 14:26

Tgt Ion: 43 Resp: 73542

Ion Ratio Lower Upper

43 100

74 0.1 20.5 30.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2.21

30000

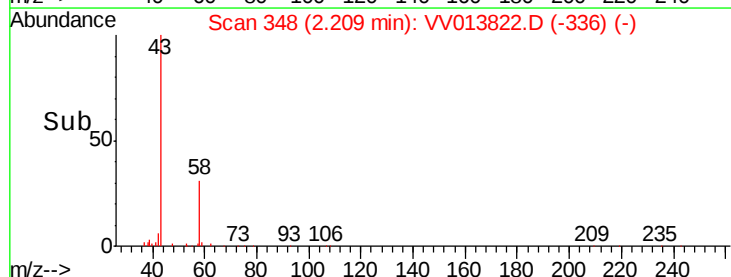
20000

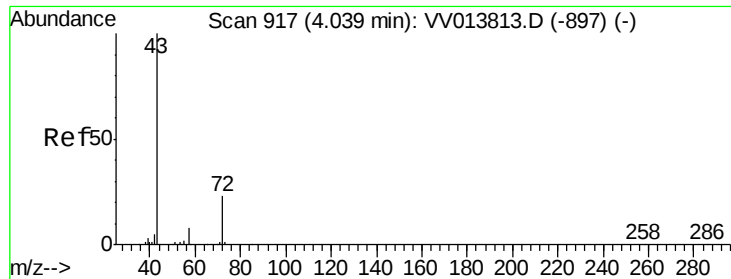
10000

0

Time-->

2.15 2.20 2.25 2.30





#21

2-Butanone

Concen: 4.932 ug/L

RT: 4.04 min Scan# 918

Delta R.T. 0.00 min

Lab File: VV013822.D

Acq: 27 Nov 2019 14:26

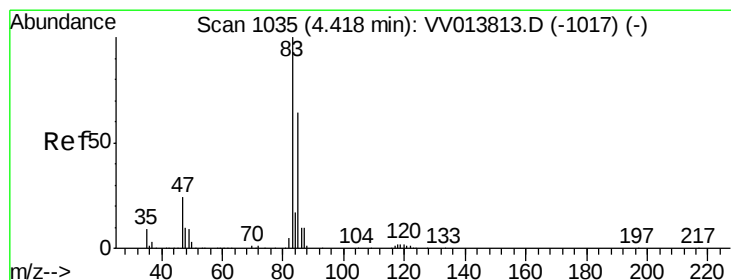
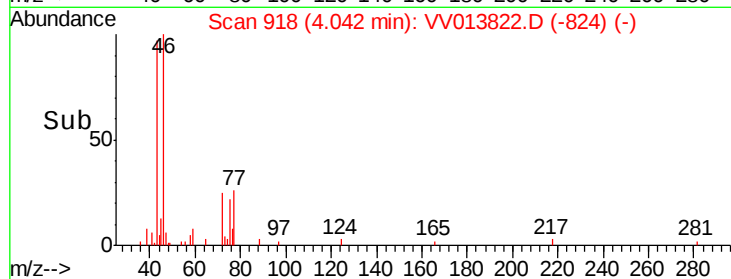
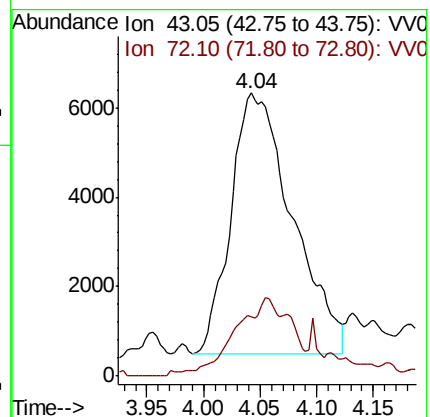
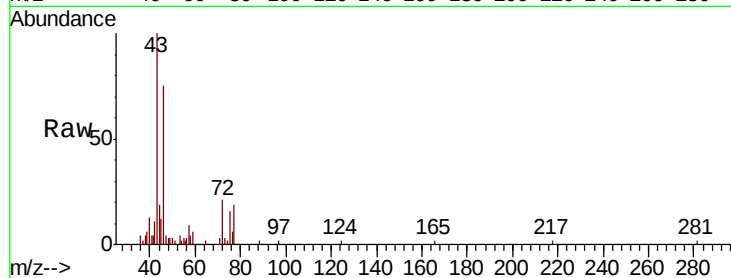
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 21956

Ion Ratio Lower Upper

43 100

72 18.3 12.3 36.9



#25

Chloroform

Concen: 0.437 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV013822.D

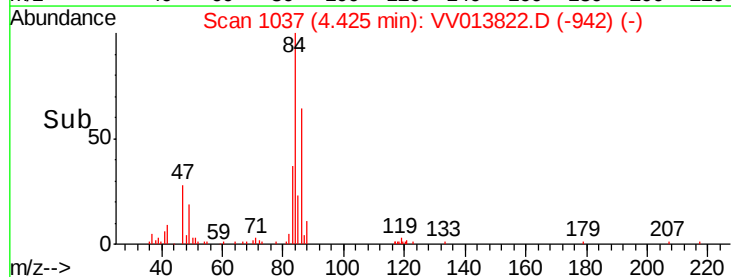
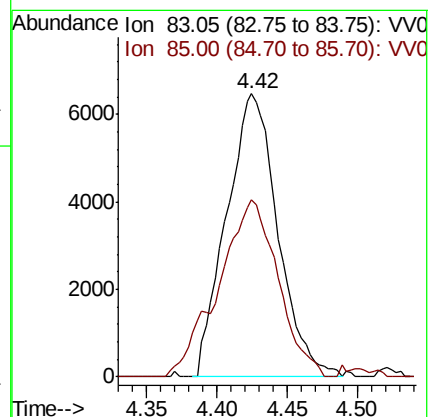
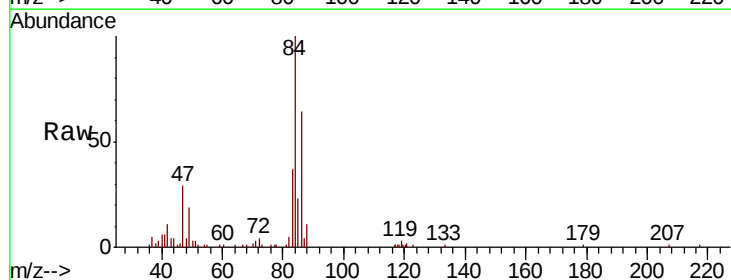
Acq: 27 Nov 2019 14:26

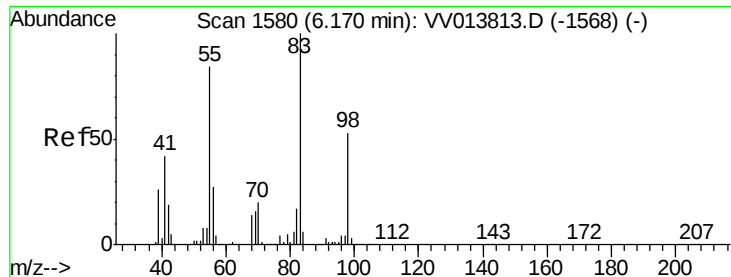
Tgt Ion: 83 Resp: 16450

Ion Ratio Lower Upper

83 100

85 62.5 45.1 83.7

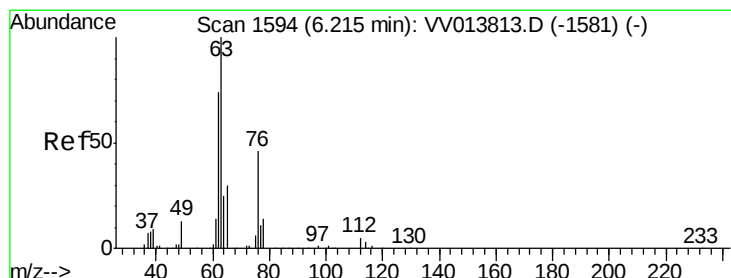
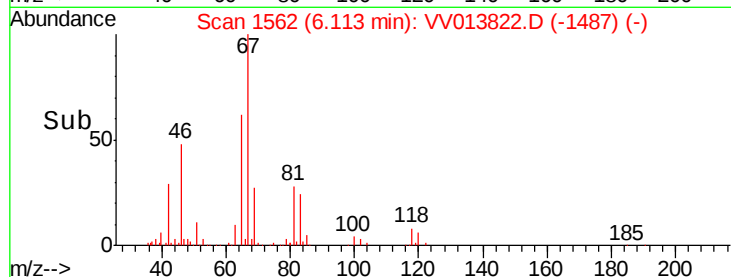
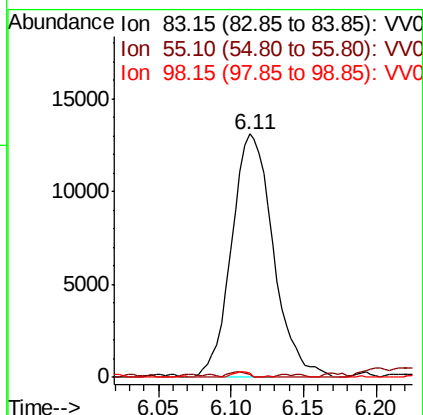
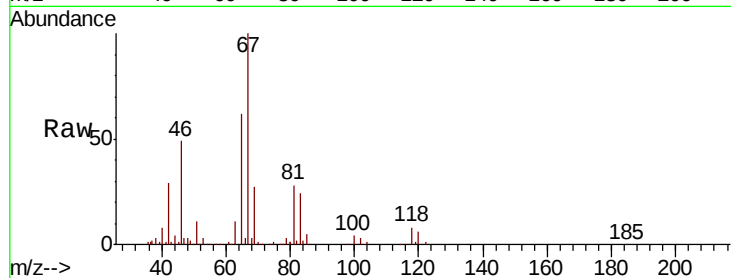




#35
Methvlcvclohexane
Concen: 0.931 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013822.D
Acq: 27 Nov 2019 14:26

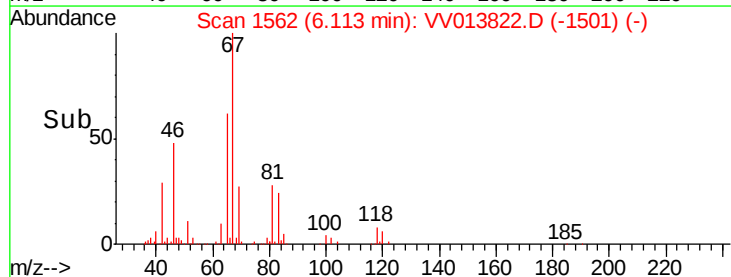
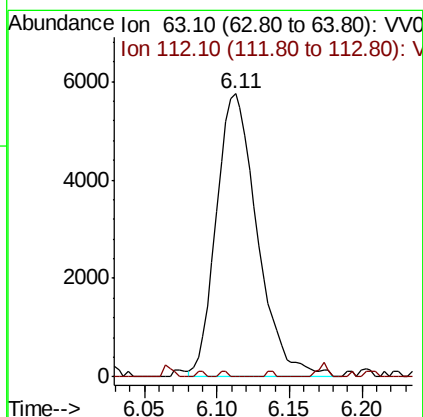
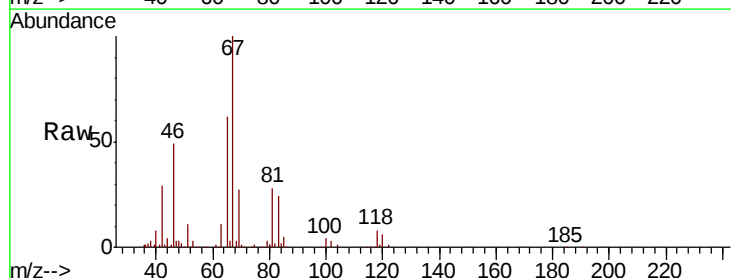
Instrument :
MSVOA_V
ClientSampleId :

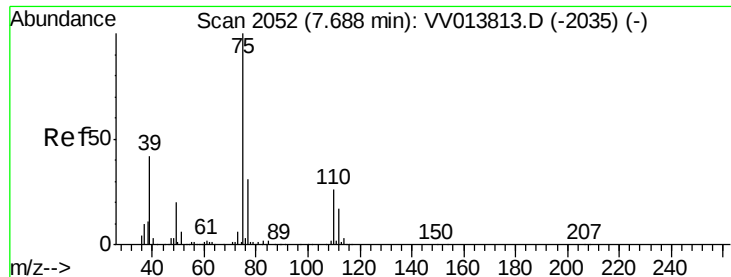
Tot Ion: 83 Resp: 26223
Ion Ratio Lower Upper
83 100
55 1.0 60.3 90.5#
98 0.9 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.574 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.10 min
Lab File: VV013822.D
Acq: 27 Nov 2019 14:26

Tgt Ion: 63 Resp: 11288
Ion Ratio Lower Upper
63 100
112 0.4 4.4 6.6#





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013822.D

Acq: 27 Nov 2019 14:26

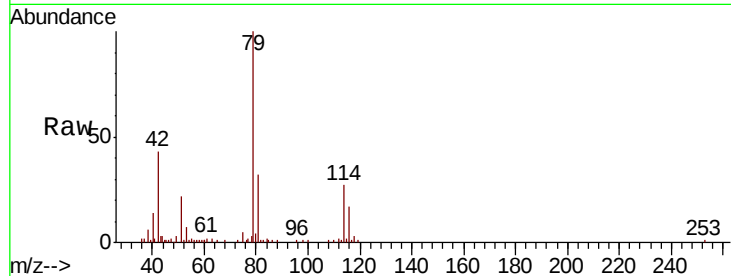
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 75 Resp: 1745

Ion Ratio Lower Upper

75 100

77 41.3 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

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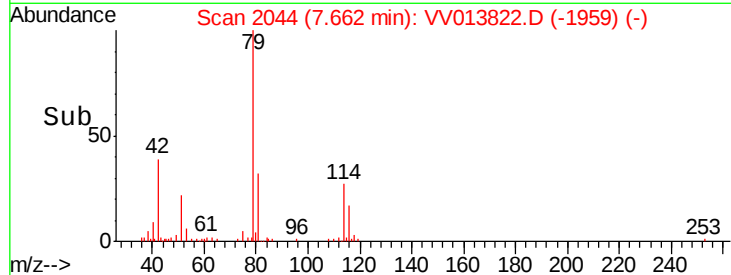
7.66

7.66

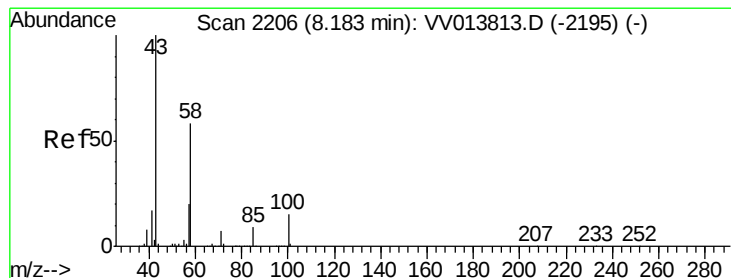
7.66

7.66

7.66



Time-->



#48

2-Hexanone

Concen: 1.983 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV013822.D

Acq: 27 Nov 2019 14:26

Tgt Ion: 43 Resp: 16234

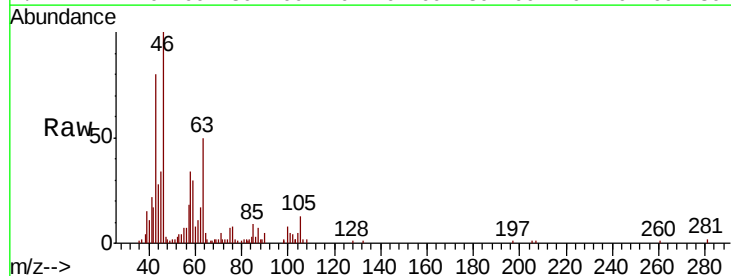
Ion Ratio Lower Upper

43 100

58 49.1 43.2 64.8

57 18.8 15.4 23.2

100 10.8 10.4 15.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

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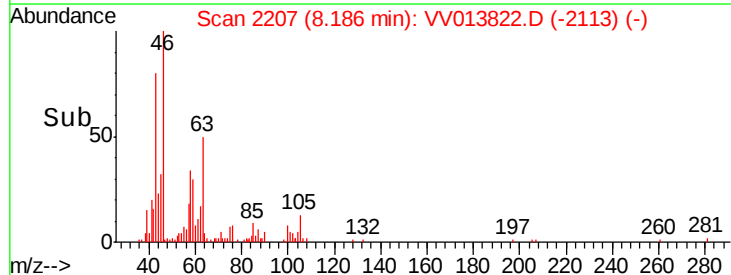
8.19

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Time-->