

Data File : VV013413.D
Acq On : 29 Oct 2019 23:05
Operator : SY/MD
Sample : K5597-14
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE3

Quant Time: Oct 30 02:56:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	364158	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	384607	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	202812	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	144209	4.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.00%
7) Chloroethane-d5	1.58	69	126491	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.13	63	192998	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	3.96	46	391169	49.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.30%
24) Chloroform-d	4.40	84	307369	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
26) 1,2-Dichloroethane-d4	5.08	65	169302	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
32) Benzene-d6	5.10	84	633017	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.12	67	200422	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.36	98	558862	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.66	79	66221	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	8.14	63	226678	45.69	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.38%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	130505	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	202610	4.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.60%

Target Compounds

					Qvalue
8) Chloroethane	1.32	64	2862	0.125 ug/L	95
12) 1,1-Dichloroethene	2.14	96	3525	0.127 ug/L #	1
13) Acetone	2.23	43	4472	1.162 ug/L	69
14) Carbon disulfide	2.32	76	5585	0.066 ug/L #	77
17) Methyl tert-butyl Ether	2.81	73	12761	0.172 ug/L #	70
18) trans-1,2-Dichloroethene	2.79	96	38442	1.036 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	39482	1.056 ug/L #	93
25) Chloroform	4.43	83	11257	0.156 ug/L	88
27) 1,2-Dichloroethane	5.19	62	2519	0.063 ug/L #	59
33) Benzene	5.15	78	36424	0.253 ug/L	100
34) Trichloroethene	5.96	95	134254	3.402 ug/L	98
37) 1,2-Dichloropropane	6.12	63	21580	0.594 ug/L #	90
42) Toluene	7.43	91	14694	0.098 ug/L	96
44) trans-1,3-Dichloropropene	7.66	75	3462	0.089 ug/L #	76
47) Tetrachloroethene	8.02	164	69226	2.071 ug/L	98
48) 2-Hexanone	8.19	43	25599	1.770 ug/L #	84
49) Dibromochloromethane	8.02	129	57607	1.925 ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV102919\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Oct 30 02:50:47 2019
Response via : Initial Calibration

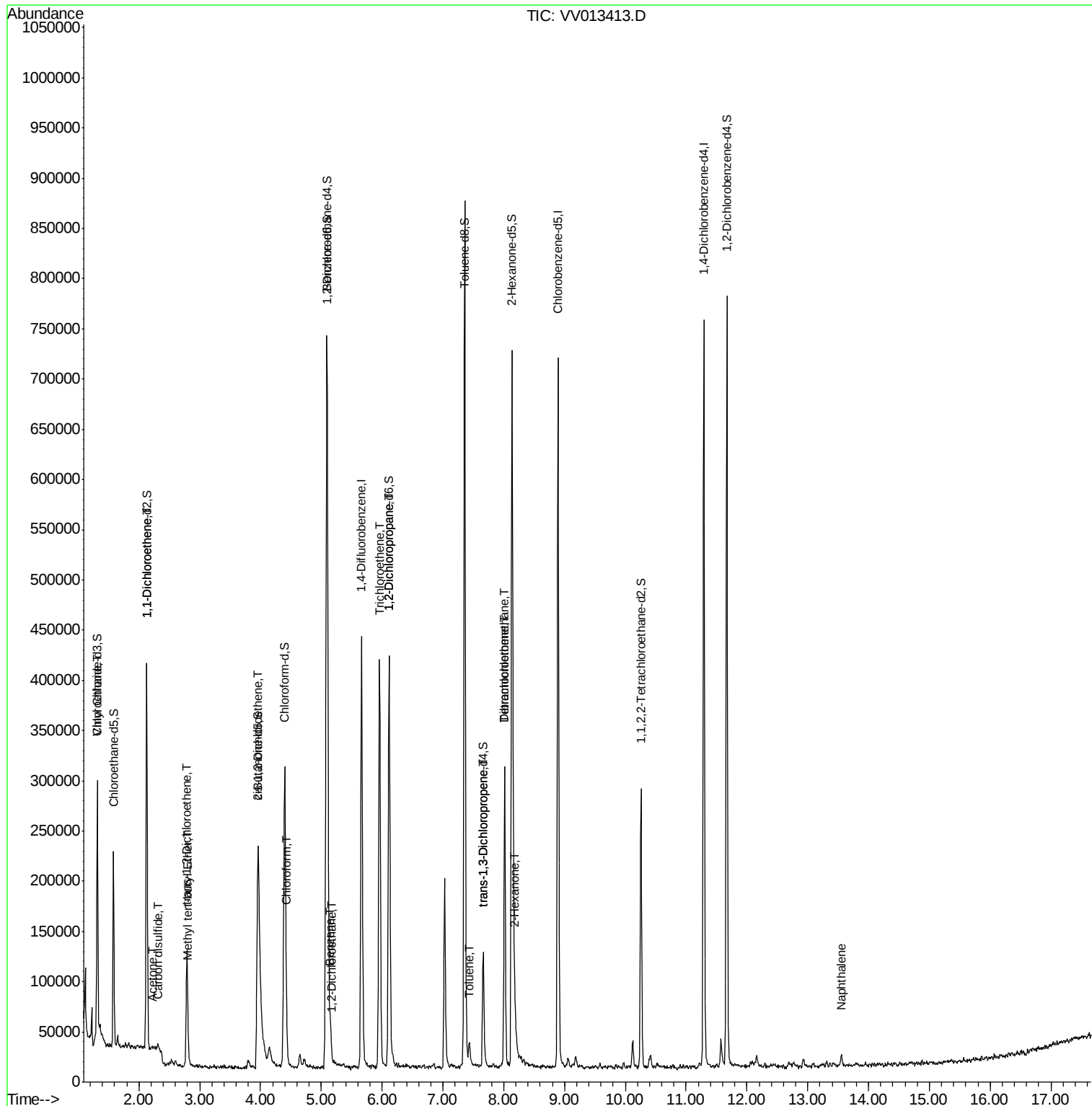
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.55	128	9880	0.170	ug/L #	86

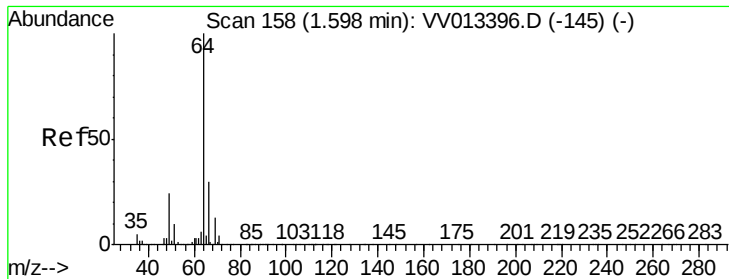
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.125 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Instrument :

MSVOA_V

ClientSampleId :

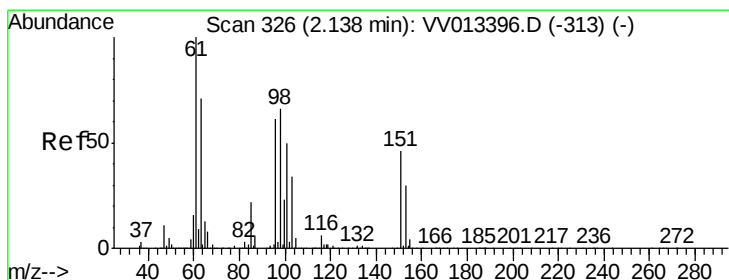
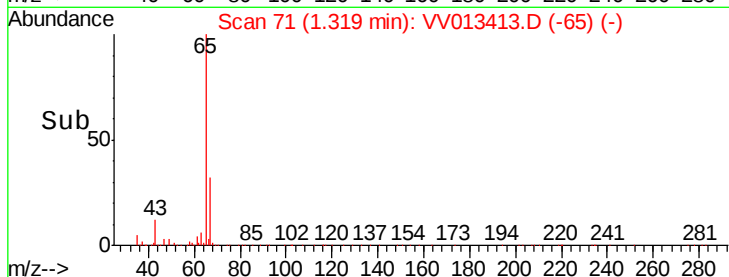
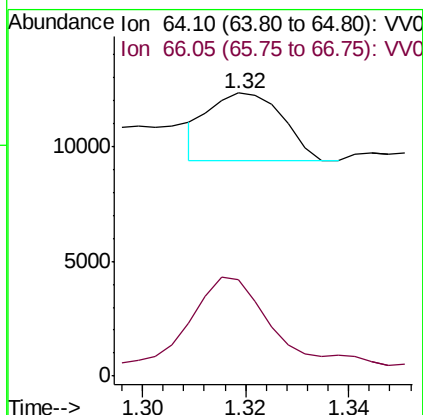
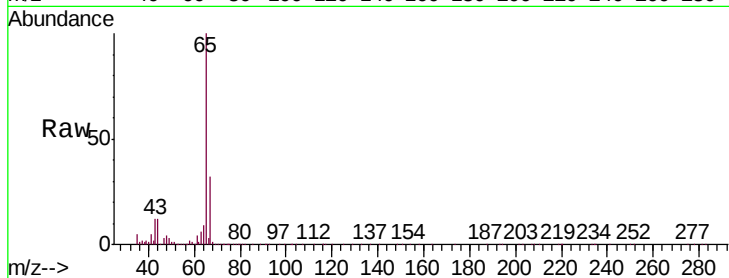
GAQE3

Tgt Ion: 64 Resp: 2862

Ion Ratio Lower Upper

64 100

66 34.2 22.0 41.0



#12

1,1-Dichloroethene

Concen: 0.127 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

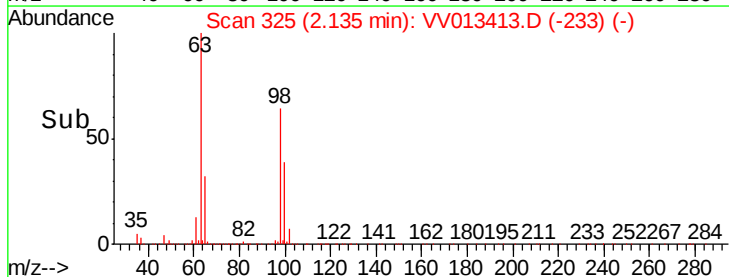
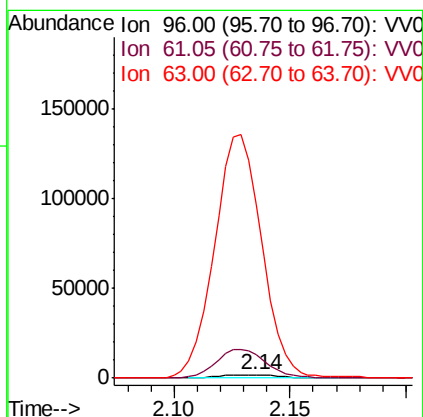
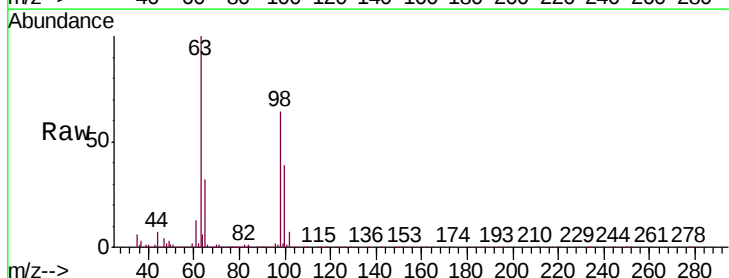
Tgt Ion: 96 Resp: 3525

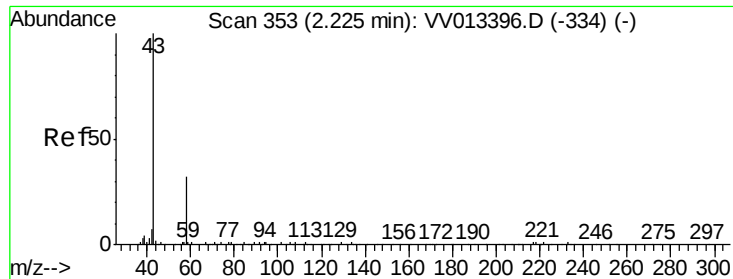
Ion Ratio Lower Upper

96 100

61 694.2 117.8 218.8#

63 5210.2 85.5 158.9#





#13

Acetone

Concen: 1.162 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.00 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Instrument :

MSVOA_V

ClientSampleId :

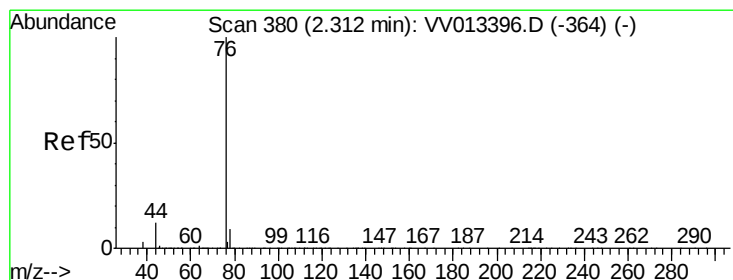
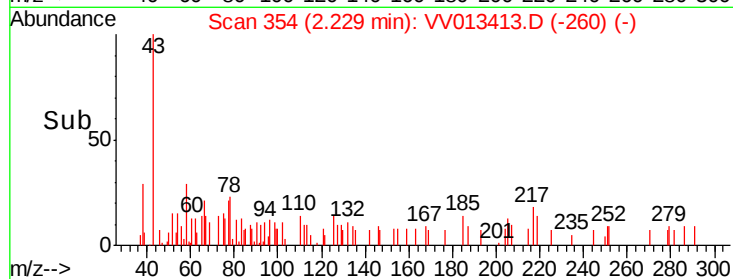
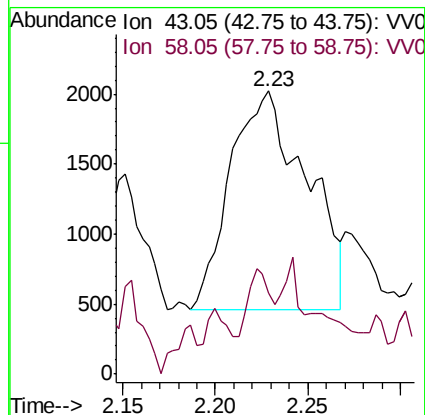
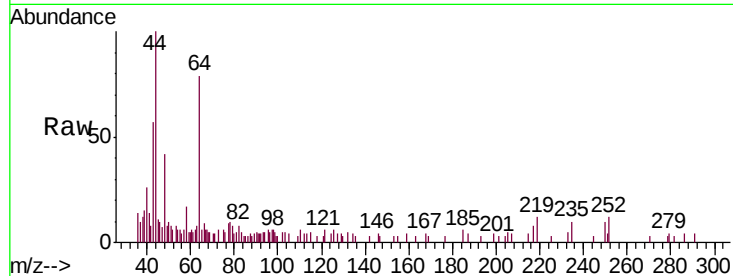
GAQE3

Tgt Ion: 43 Resp: 4472

Ion Ratio Lower Upper

43 100

58 12.6 0.0 59.0



#14

Carbon disulfide

Concen: 0.066 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013413.D

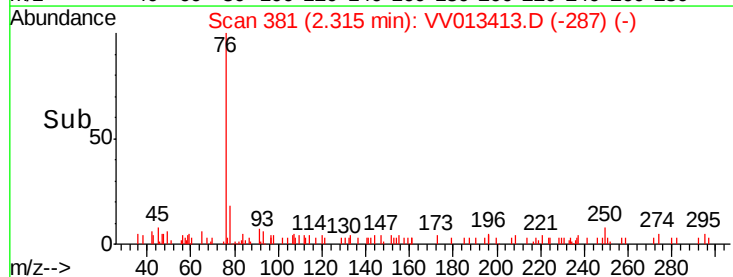
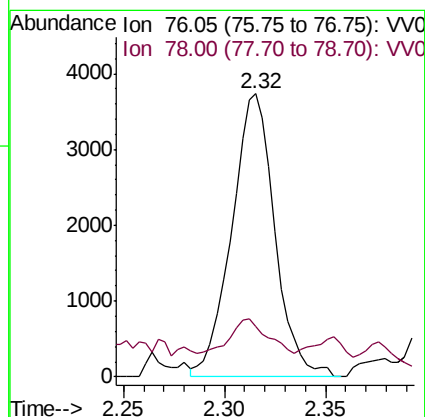
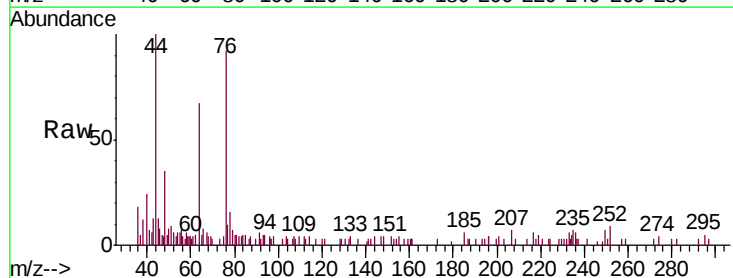
Acq: 29 Oct 2019 23:05

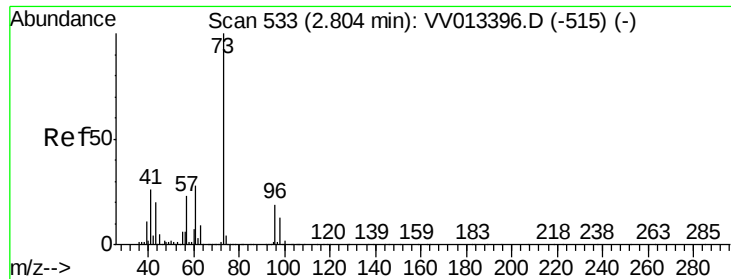
Tgt Ion: 76 Resp: 5585

Ion Ratio Lower Upper

76 100

78 17.7 7.5 11.3#

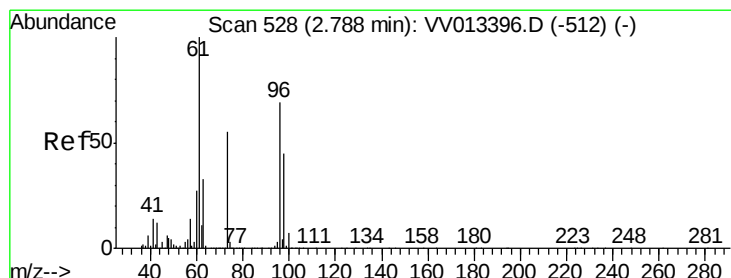
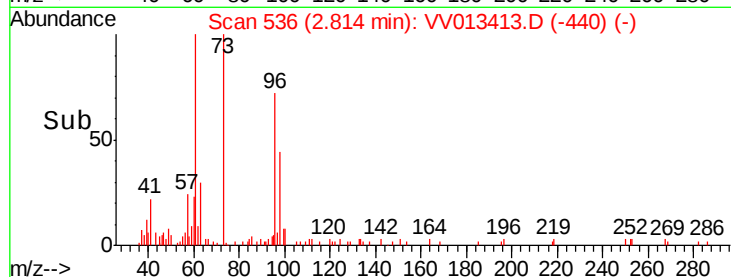
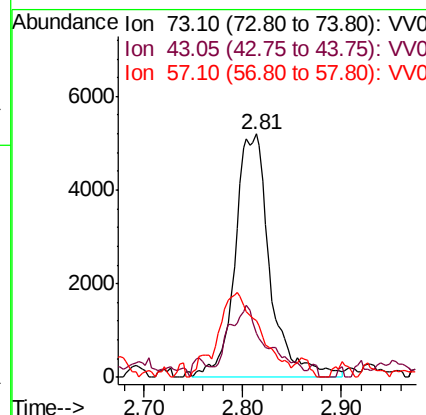
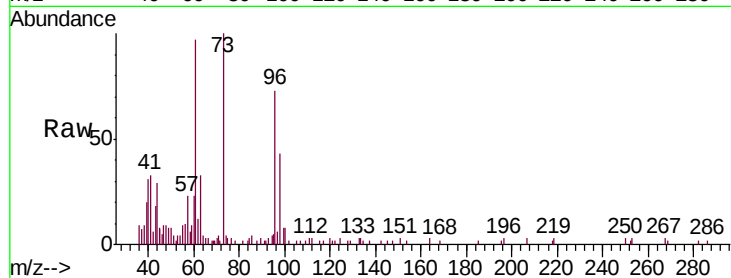




#17
Methyl tert-butyl Ether
Concen: 0.172 ug/L
RT: 2.81 min Scan# 536
Delta R.T. 0.01 min
Lab File: VV013413.D
Acq: 29 Oct 2019 23:05

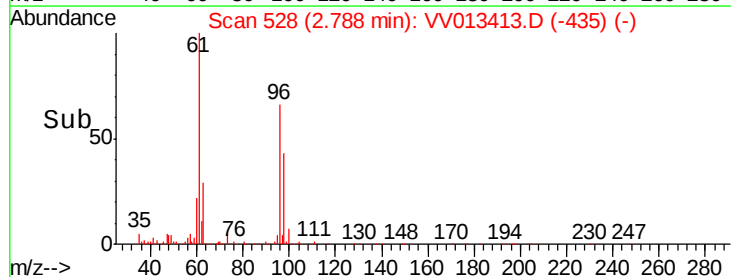
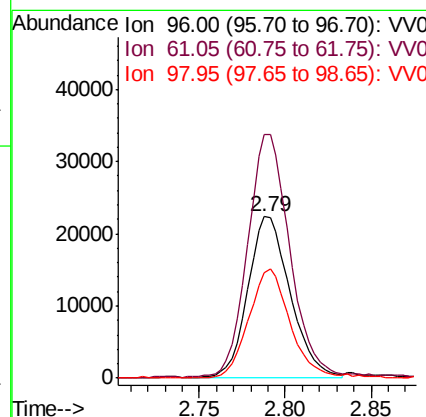
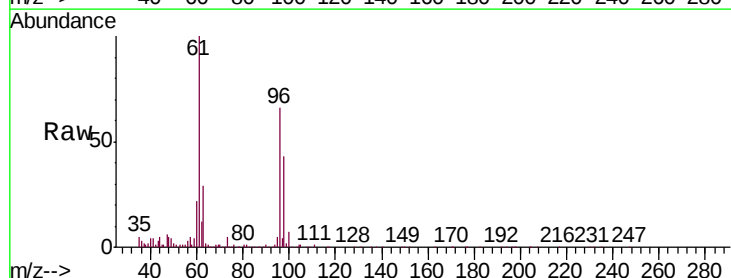
Instrument :
MSVOA_V
ClientSampleId :
GAQE3

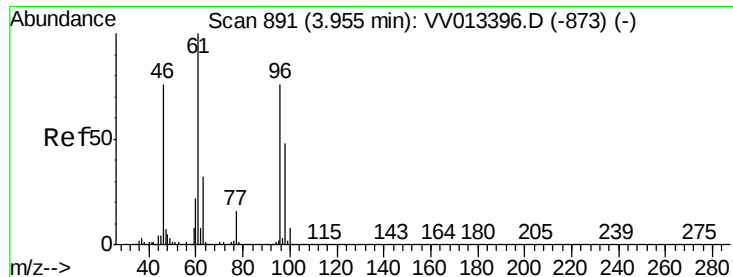
Tgt Ion: 73 Resp: 12761
Ion Ratio Lower Upper
73 100
43 29.9 16.6 25.0#
57 42.6 18.8 28.2#



#18
trans-1,2-Dichloroethene
Concen: 1.036 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013413.D
Acq: 29 Oct 2019 23:05

Tgt Ion: 96 Resp: 38442
Ion Ratio Lower Upper
96 100
61 150.6 100.1 185.9
98 65.4 44.2 82.0





#22

cis-1,2-Dichloroethene

Concen: 1.056 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Instrument :

MSVOA_V

ClientSampleId :

GAQE3

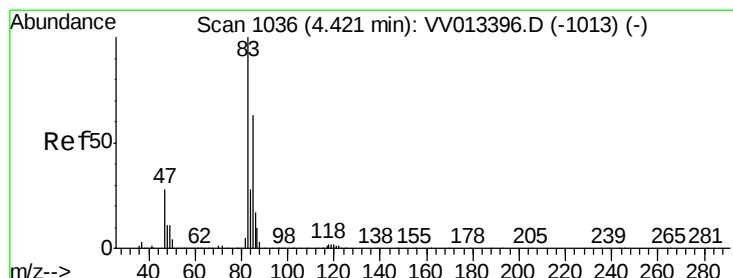
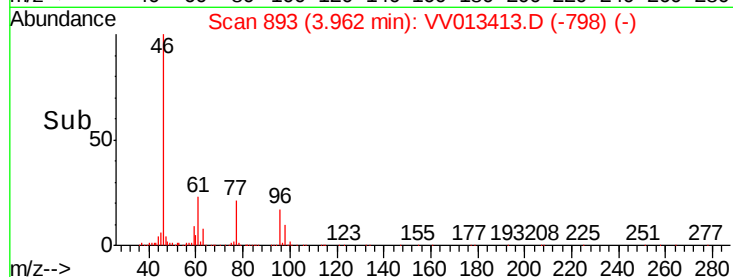
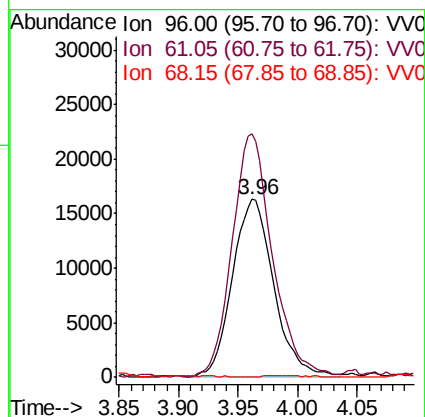
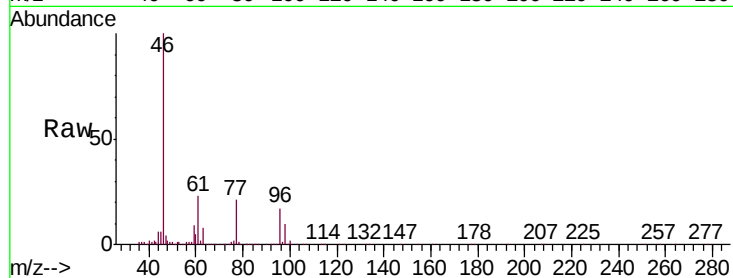
Tgt Ion: 96 Resp: 39482

Ion Ratio Lower Upper

96 100

61 136.7 89.9 167.0

68 0.0 0.1 0.3#



#25

Chloroform

Concen: 0.156 ug/L

RT: 4.43 min Scan# 1039

Delta R.T. 0.01 min

Lab File: VV013413.D

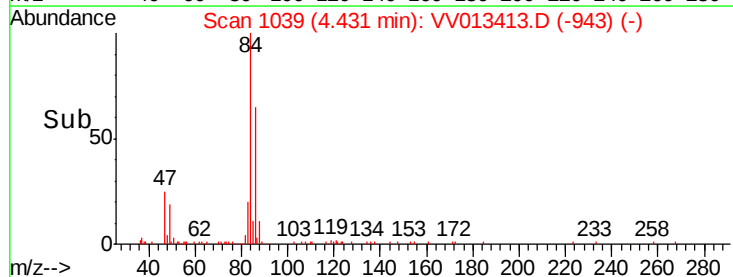
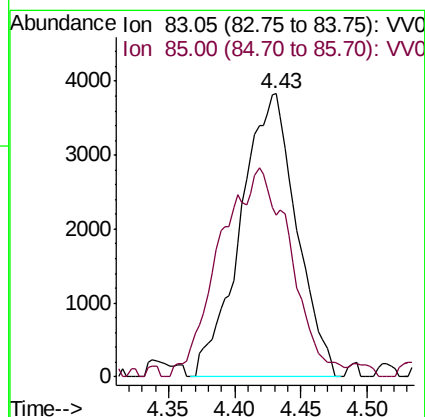
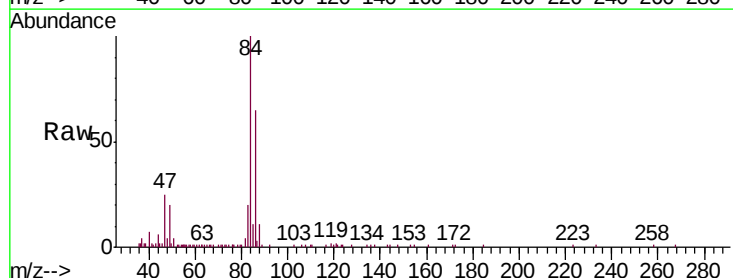
Acq: 29 Oct 2019 23:05

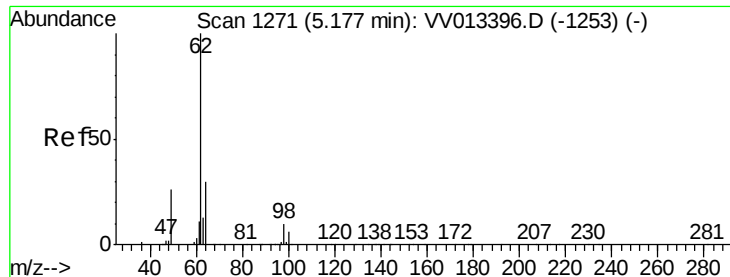
Tgt Ion: 83 Resp: 11257

Ion Ratio Lower Upper

83 100

85 57.0 46.5 86.5





#27

1,2-Dichloroethane

Concen: 0.063 ug/L

RT: 5.19 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Instrument :

MSVOA_V

ClientSampleId :

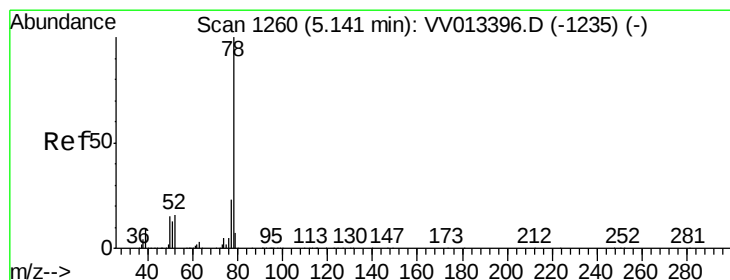
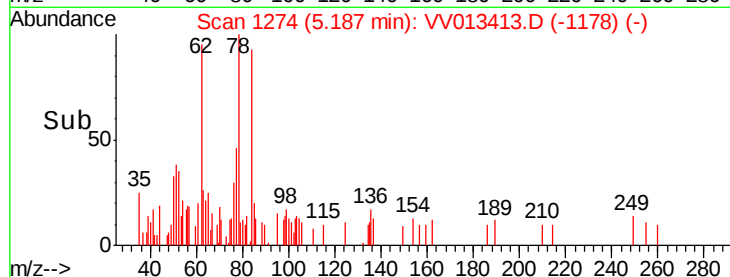
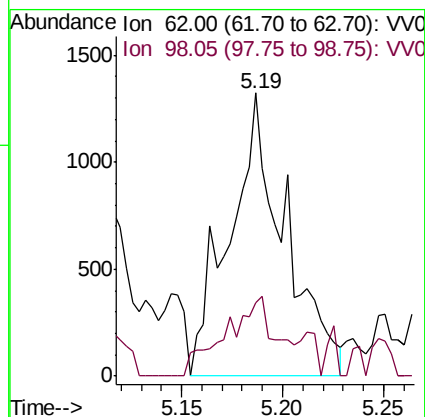
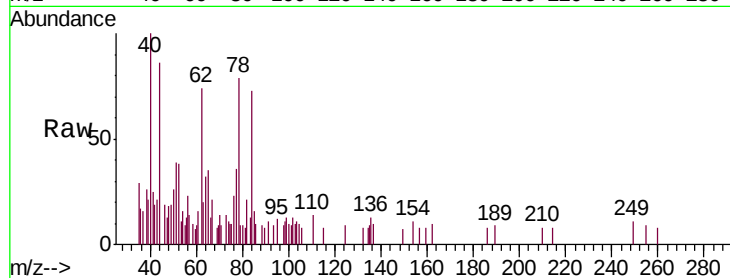
GAQE3

Tgt Ion: 62 Resp: 2519

Ion Ratio Lower Upper

62 100

98 26.2 8.6 12.8#



#33

Benzene

Concen: 0.253 ug/L

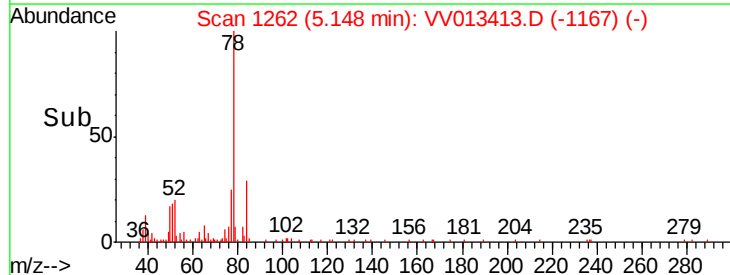
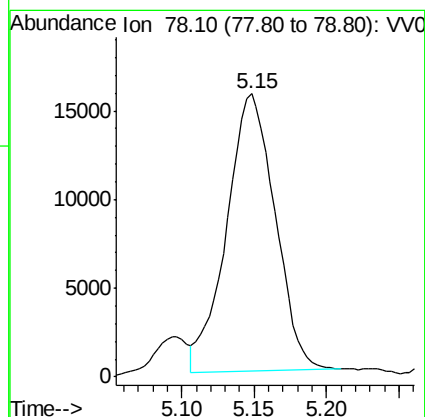
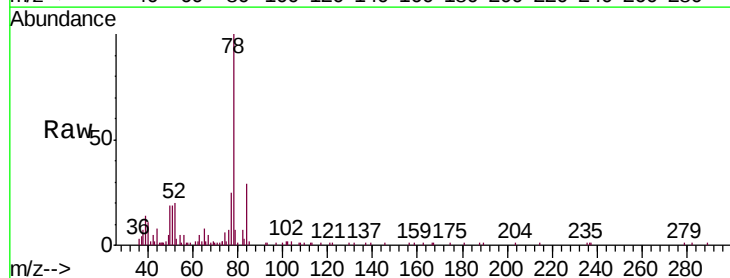
RT: 5.15 min Scan# 1262

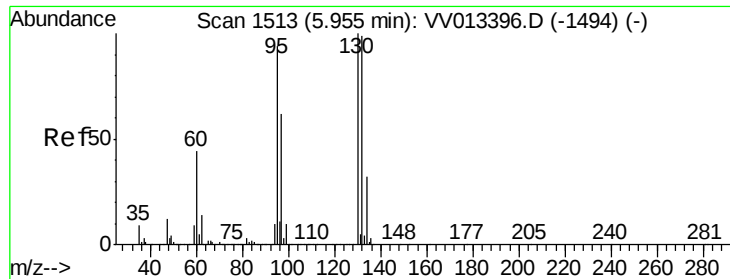
Delta R.T. 0.01 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Tgt Ion: 78 Resp: 36424





#34

Trichloroethene

Concen: 3.402 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Instrument :

MSVOA_V

ClientSampleId :

GAQE3

Tgt Ion: 95 Resp: 134254

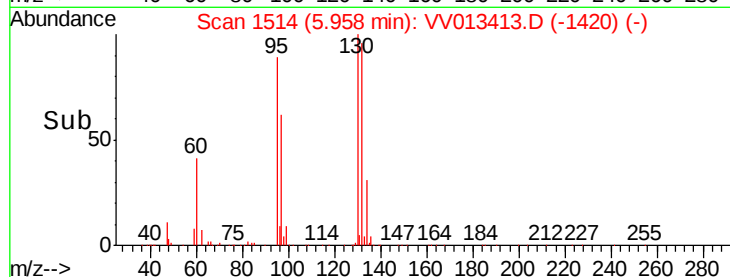
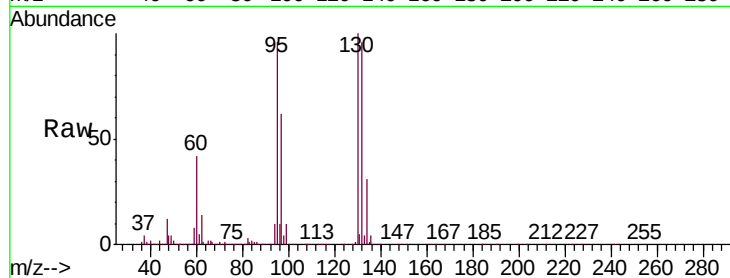
Ion Ratio Lower Upper

95 100

97 64.5 43.9 81.5

132 100.5 68.7 127.7

130 104.4 72.1 133.9



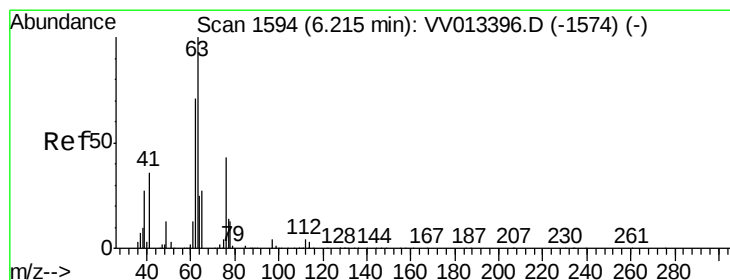
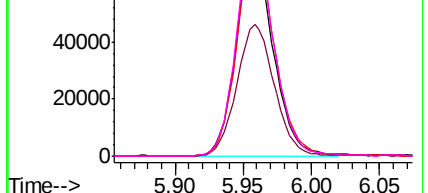
Abundance Ion 95.00 (94.70 to 95.70): VV013396.D (-1494) (-)

Ion 96.95 (96.65 to 97.65): VV013396.D (-1494) (-)

Ion 131.95 (131.65 to 132.65): VV013396.D (-1494) (-)

Ion 129.95 (129.65 to 130.65): VV013396.D (-1494) (-)

Time-->



#37

1,2-Dichloropropane

Concen: 0.594 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV013413.D

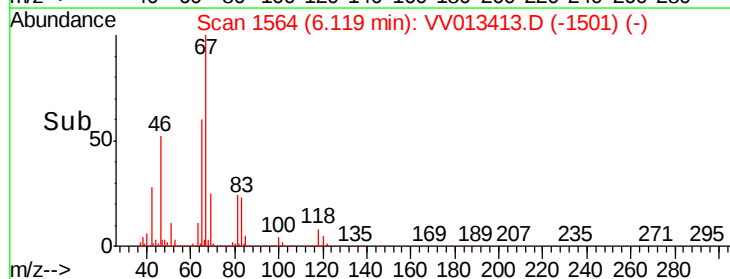
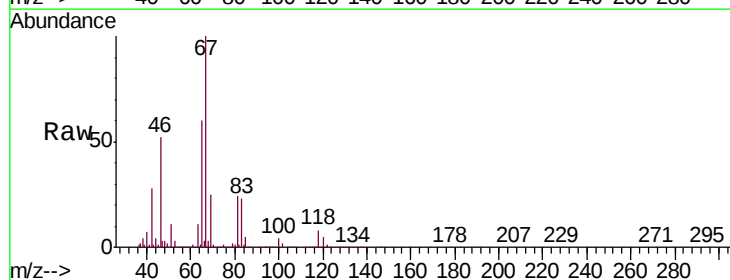
Acq: 29 Oct 2019 23:05

Tgt Ion: 63 Resp: 21580

Ion Ratio Lower Upper

63 100

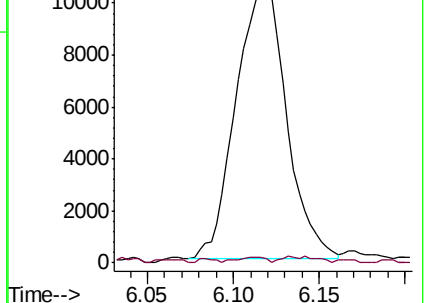
112 1.2 3.6 5.4#

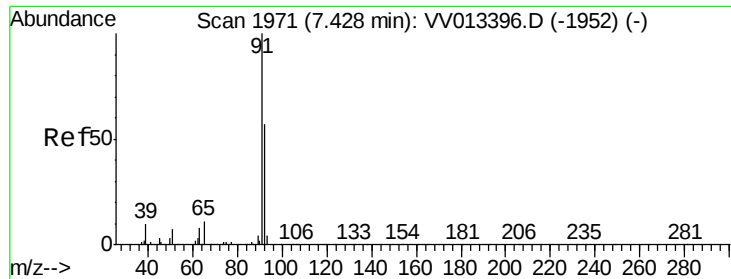


Abundance Ion 63.10 (62.80 to 63.80): VV013396.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV013396.D (-1574) (-)

Time-->





#42

Toluene

Concen: 0.098 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

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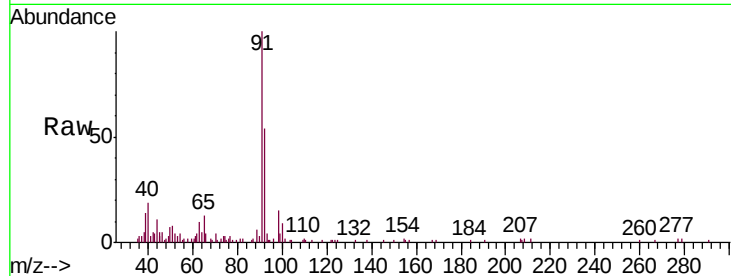
GAQE3

Tgt Ion: 91 Resp: 14694

Ion Ratio Lower Upper

91 100

92 54.4 40.3 74.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

10000

8000

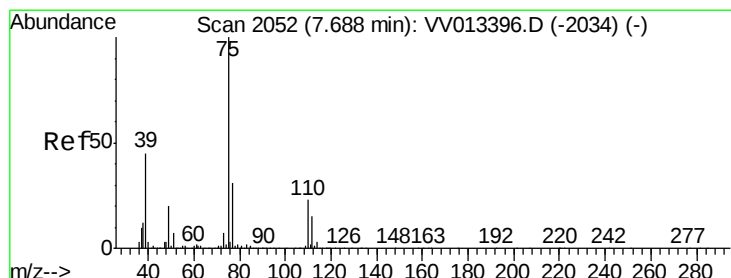
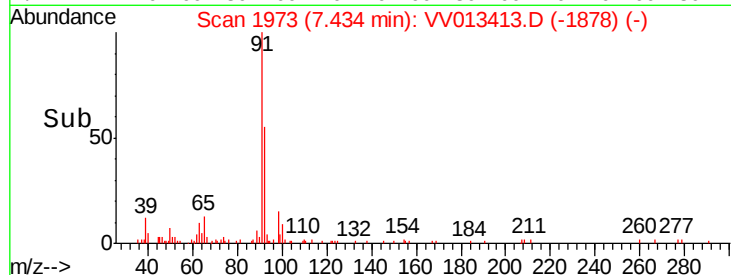
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.089 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013413.D

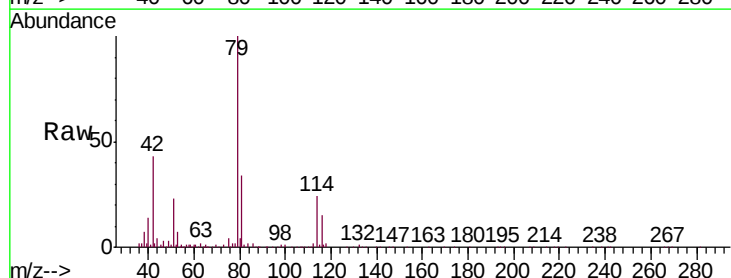
Acq: 29 Oct 2019 23:05

Tgt Ion: 75 Resp: 3462

Ion Ratio Lower Upper

75 100

77 43.8 21.5 39.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.66

2000

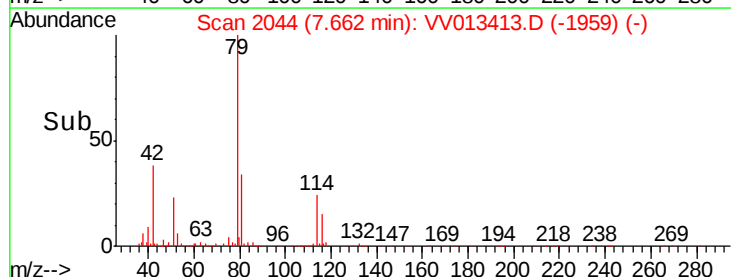
1500

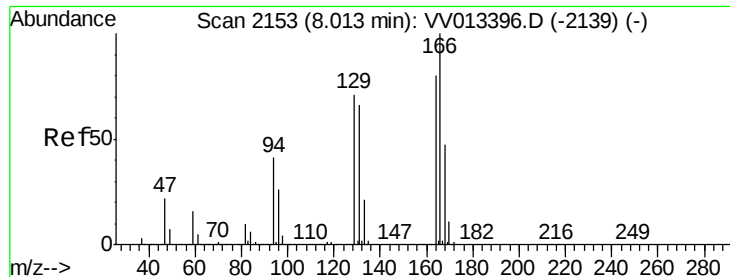
1000

500

0

Time-->





#47

Tetrachloroethene

Concen: 2.071 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Instrument :

MSVOA_V

ClientSampleId :

GAQE3

Tgt Ion:164 Resp: 69226

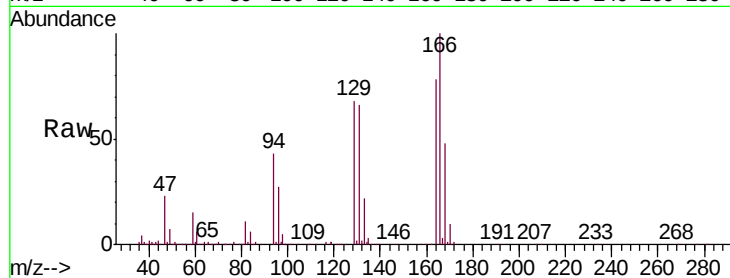
Ion Ratio Lower Upper

164 100

129 87.5 63.4 117.8

131 85.4 60.3 112.1

166 128.7 90.8 168.6

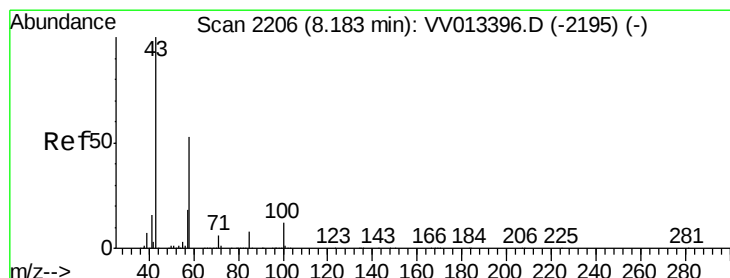
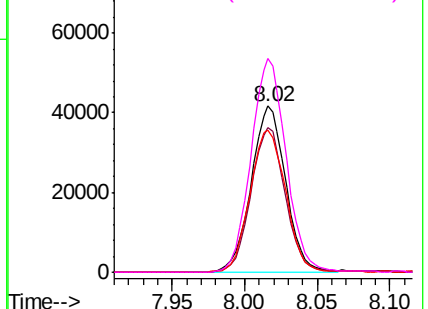
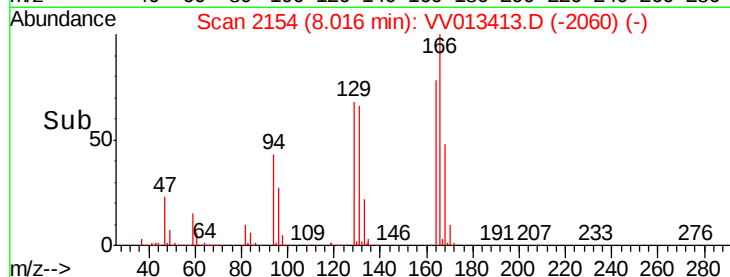


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.770 ug/L

RT: 8.19 min Scan# 2207

Delta R.T. 0.00 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Tgt Ion: 43 Resp: 25599

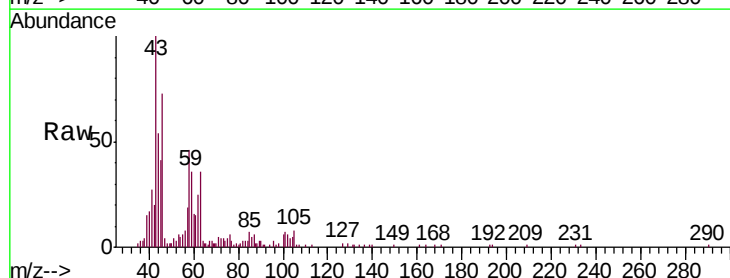
Ion Ratio Lower Upper

43 100

58 42.3 43.5 65.3#

57 13.7 14.3 21.5#

100 2.8 9.3 13.9#

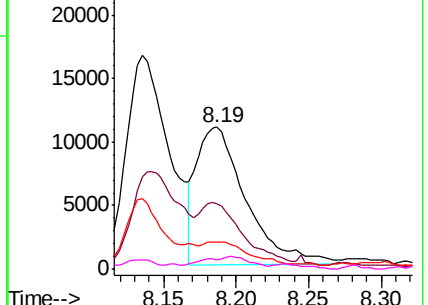
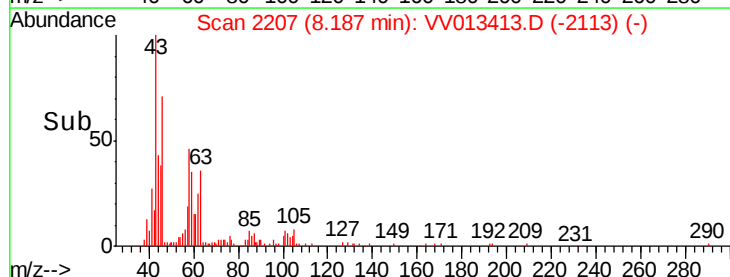


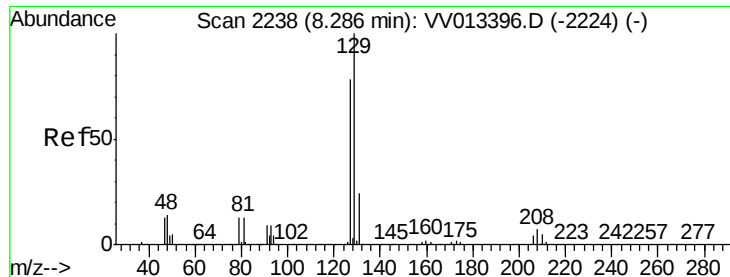
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#49

Dibromochloromethane

Concen: 1.925 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.27 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

Instrument :

MSVOA_V

ClientSampleId :

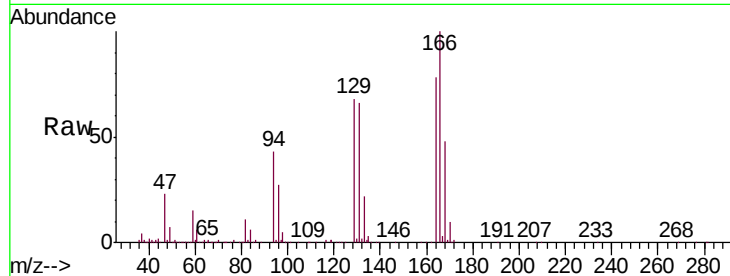
GAQE3

Tgt Ion:129 Resp: 57607

Ion Ratio Lower Upper

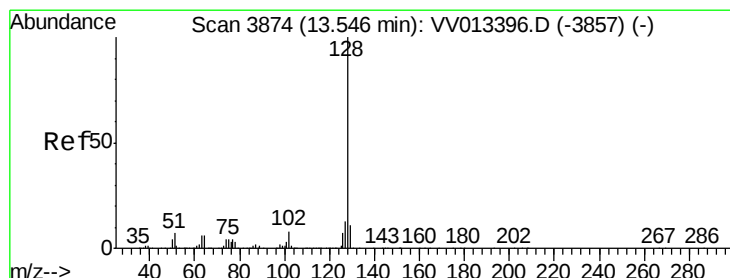
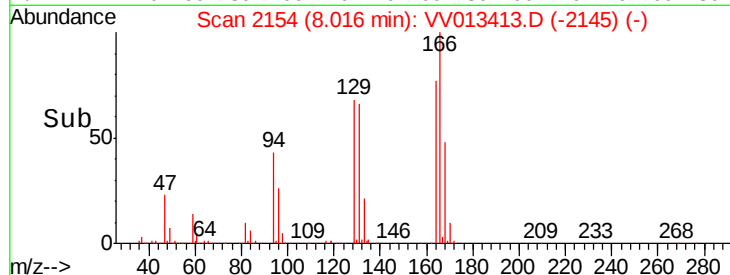
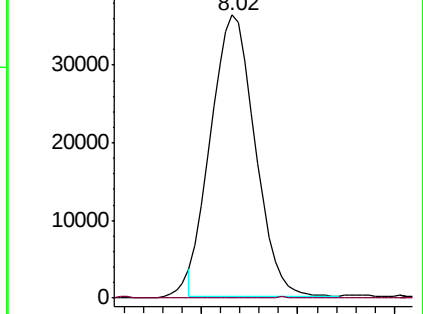
129 100

127 0.0 53.8 100.0#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#69

Naphthalene

Concen: 0.170 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013413.D

Acq: 29 Oct 2019 23:05

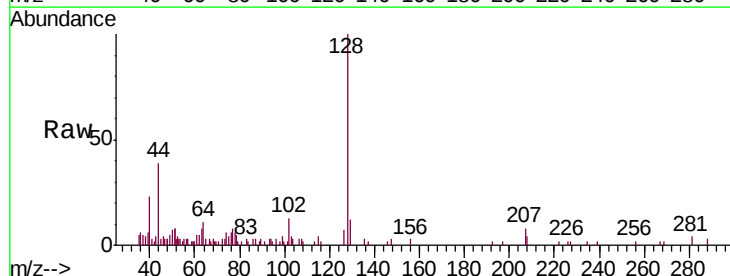
Tgt Ion:128 Resp: 9880

Ion Ratio Lower Upper

128 100

129 11.7 8.7 13.1

127 3.8 10.6 16.0#



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

