

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV040920\
 Data File : VV015443.D
 Acq On : 10 Apr 2020 01:33
 Operator : SY/MD
 Sample : L2207-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFS84

Manual Integrations
 APPROVED

apatel
 4/10/2020 11:13:29 AM

Quant Time: Apr 10 07:19:57 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Apr 10 05:37:21 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	116447	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	111498	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	54886	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	26468	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	1.58	69	26421	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.00%
11) 1,1-Dichloroethene-d2	2.12	63	31943	2.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	50.20%#
20) 2-Butanone-d5	3.96	46	94693	55.82	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.64%
24) Chloroform-d	4.38	84	60154	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.80%
26) 1,2-Dichloroethane-d4	5.06	65	35378	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.08	84	118245	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.10	67	38417	4.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.80%
41) Toluene-d8	7.34	98	105958	4.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.80%
43) trans-1,3-Dichloropropene-	7.65	79	14475	4.32	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.40%
46) 2-Hexanone-d5	8.12	63	78356	48.49	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.98%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	29037	4.75	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	42949	4.87	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	1834	0.174 ug/L #	60
13) Acetone	2.23	43	21739m	18.137 ug/L	
19) 1,1-Dichloroethane	3.22	63	12271	0.790 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	8495	0.993 ug/L	94
25) Chloroform	4.41	83	3561	0.224 ug/L	77
27) 1,2-Dichloroethane	5.16	62	6799	0.662 ug/L	98
30) Cyclohexane	4.70	56	3466	0.226 ug/L	89
33) Benzene	5.13	78	44945	1.347 ug/L	100
34) Trichloroethene	5.95	95	1764	0.196 ug/L	92
35) Methylcyclohexane	6.15	83	1309	0.086 ug/L #	64
42) Toluene	7.41	91	2928	0.081 ug/L	96
51) Chlorobenzene	8.90	112	40799	1.767 ug/L	98
52) Ethylbenzene	9.04	91	15768	0.378 ug/L	99
53) m,p-xylene	9.16	106	20398	1.295 ug/L	100
54) o-xylene	9.57	106	7366	0.483 ug/L	94
56) Isopropylbenzene	9.95	105	6646	0.159 ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	3436	0.191 ug/L	93

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 10 05:37:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.67	146	29354	1.820	ug/L	98

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

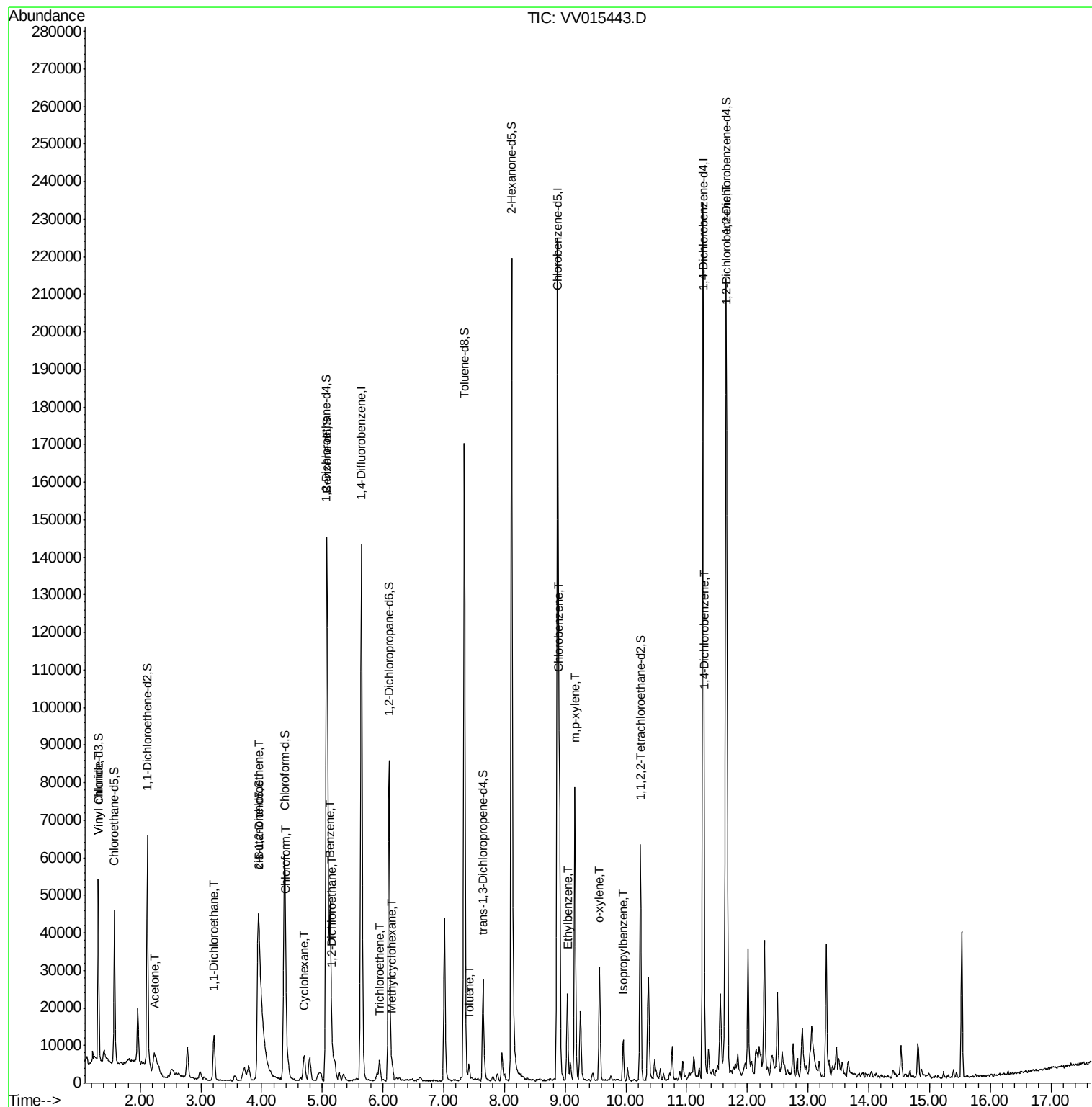
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV040920\
Data File : VV015443.D
Acq On : 10 Apr 2020 01:33
Operator : SY/MD
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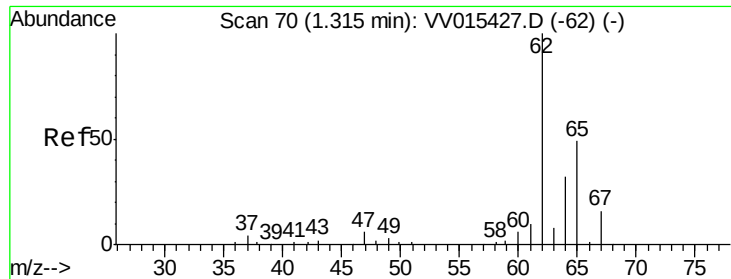
Instrument :
MSVOA_V
ClientSampleId :
BFS84

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QLast Update : Fri Apr 10 05:37:21 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.174 ug/L

RT: 1.32 min Scan# 70

Delta R.T. 0.00 min

Lab File: VV015443.D

Acq: 10 Apr 2020 01:33

Instrument :

MSVOA_V

ClientSampled :

BFS84

Tot Ion: 62 Resp: 1834

Ion Ratio Lower Upper

62 100

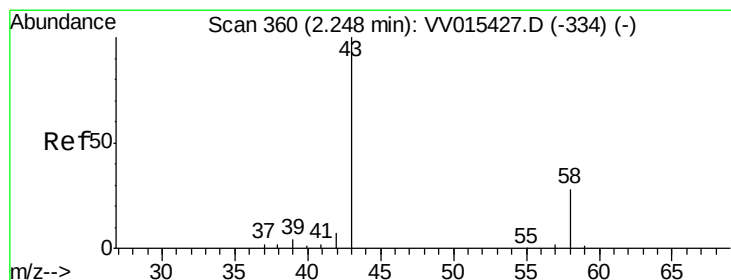
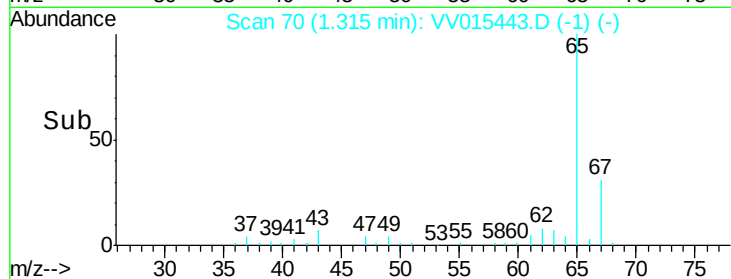
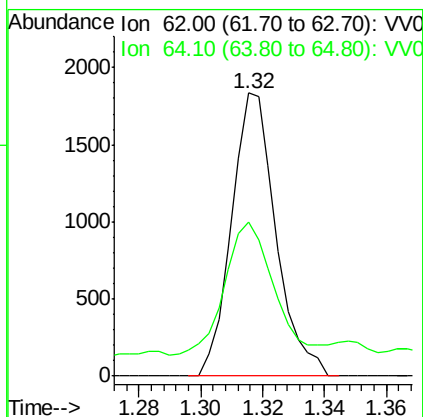
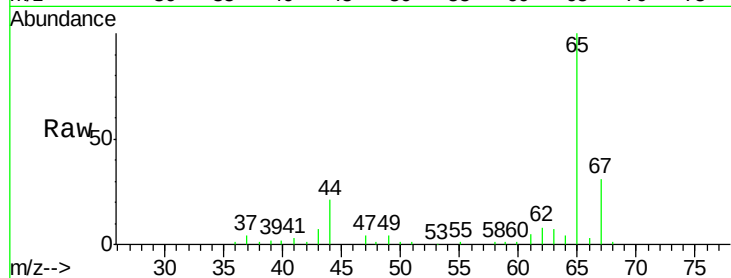
64 54.4 22.5 41.7#

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#13

Acetone

Concen: 18.137 ug/L m

RT: 2.23 min Scan# 356

Delta R.T. -0.01 min

Lab File: VV015443.D

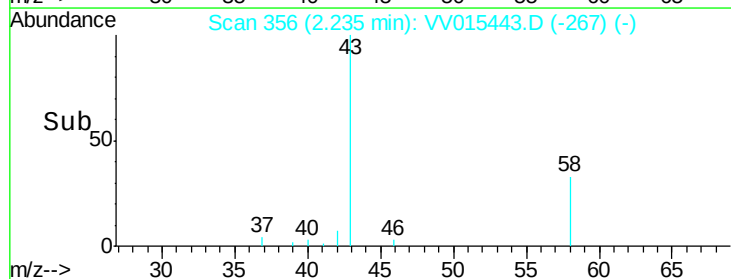
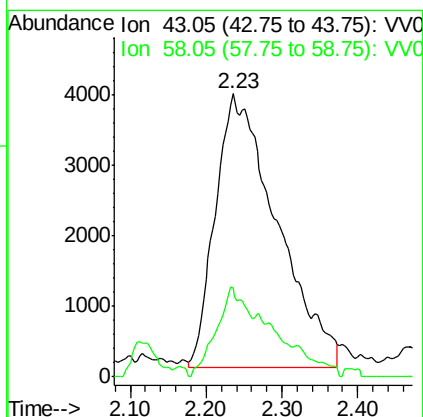
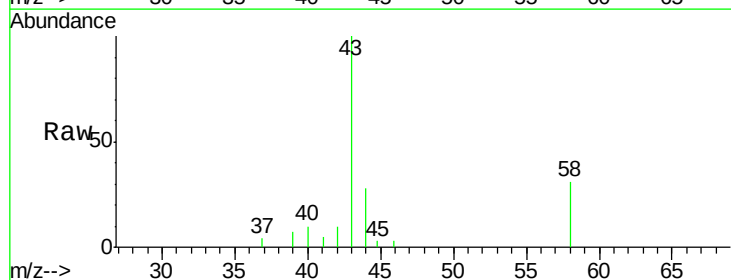
Acq: 10 Apr 2020 01:33

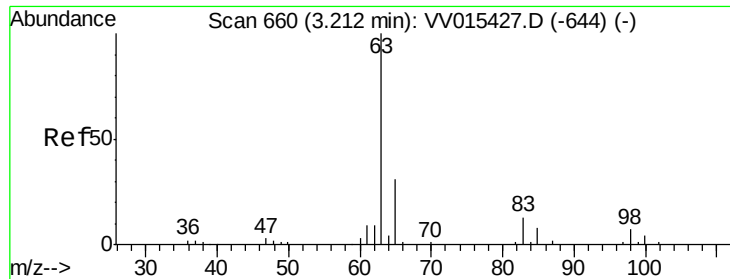
Tgt Ion: 43 Resp: 21739

Ion Ratio Lower Upper

43 100

58 16.5 0.0 22.2





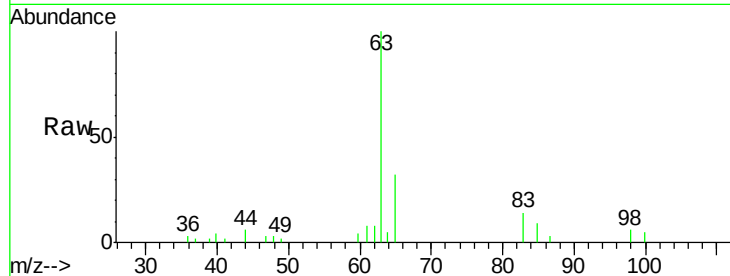
#19
 1,1-Dichloroethane
 Concen: 0.790 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV015443.D
 Acq: 10 Apr 2020 01:33

Instrument :
 MSVOA_V
 ClientSampleId :
 BFS84

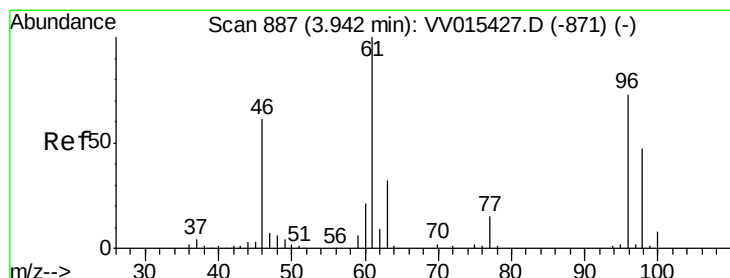
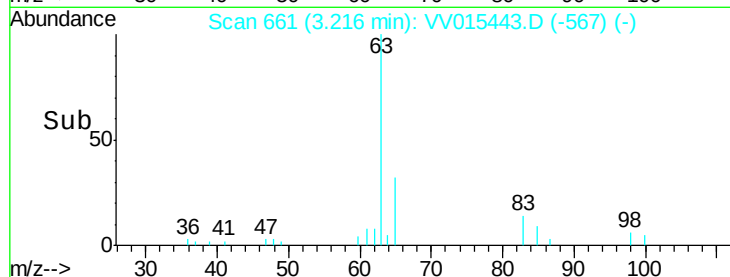
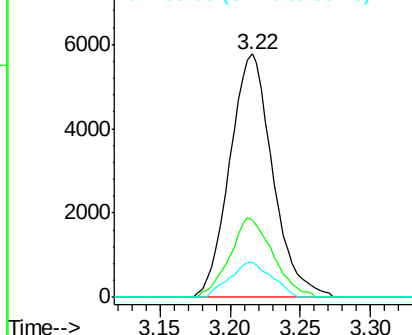
Tot Ion:	63	Resp:	12271
Ion	Ratio	Lower	Upper
63	100		
65	31.9	21.3	39.6
83	14.3	9.4	17.6

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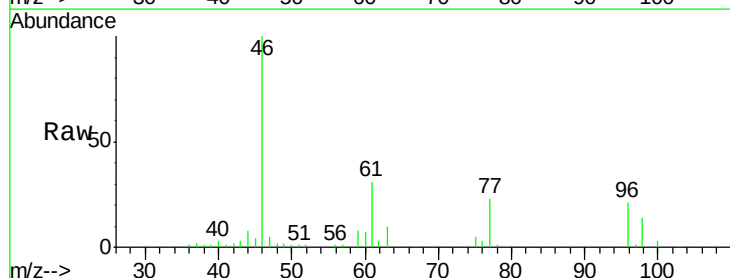


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

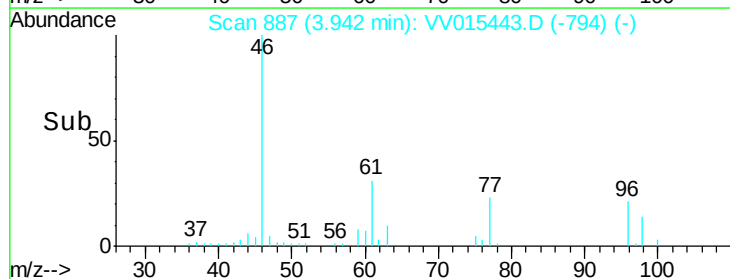
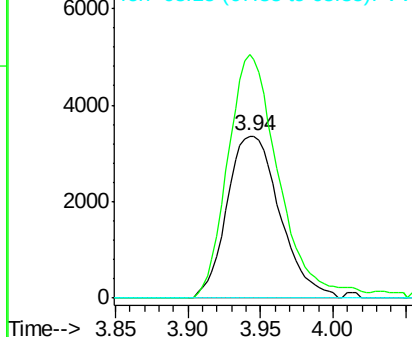


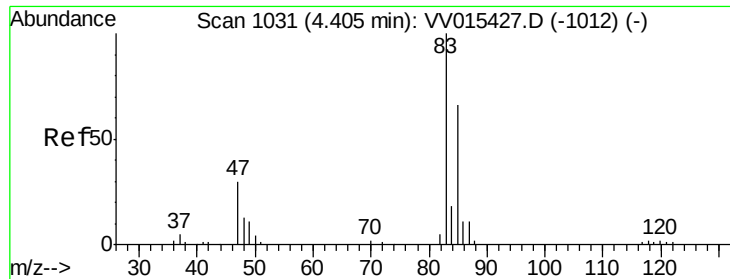
#22
 cis-1,2-Dichloroethene
 Concen: 0.993 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.00 min
 Lab File: VV015443.D
 Acq: 10 Apr 2020 01:33

Tgt Ion:	96	Resp:	8495
Ion	Ratio	Lower	Upper
96	100		
61	150.6	100.0	185.8
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0





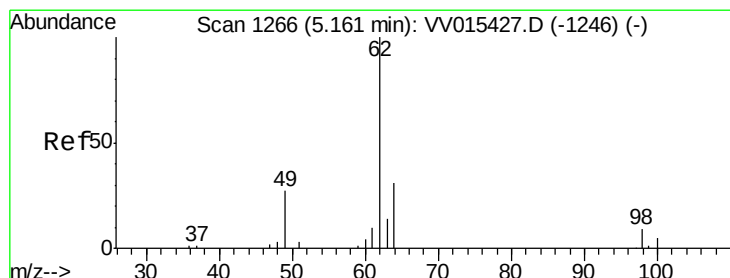
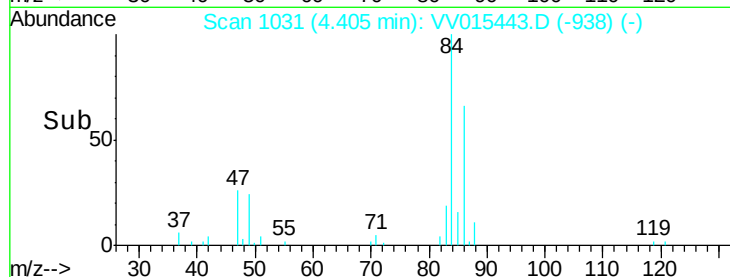
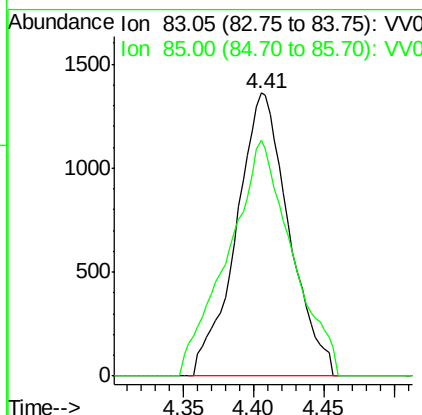
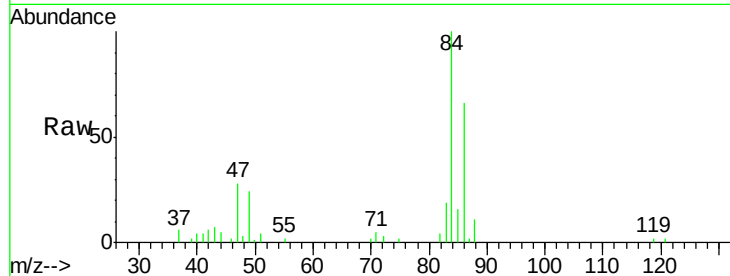
#25
Chloroform
Concen: 0.224 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV015443.D
Acq: 10 Apr 2020 01:33

Instrument :
MSVOA_V
ClientSampled :
BFS84

Tot Ion: 83 Resp: 3561
Ion Ratio Lower Upper
83 100
85 83.5 45.9 85.3

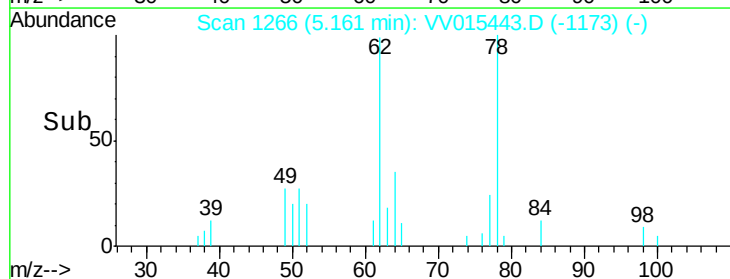
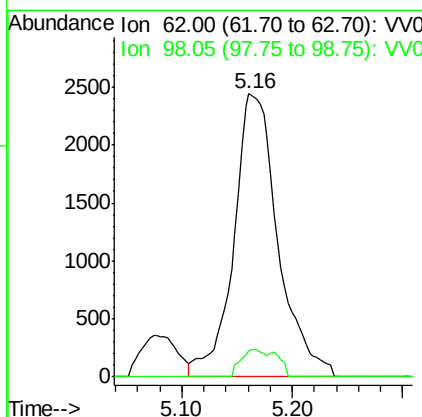
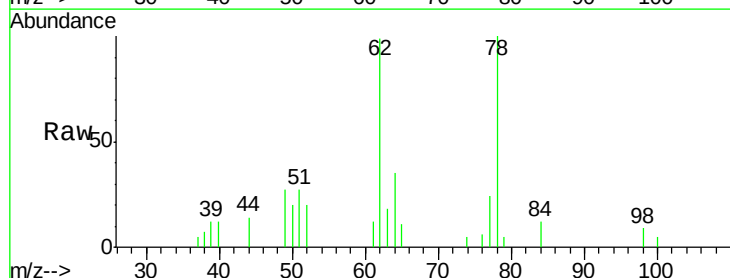
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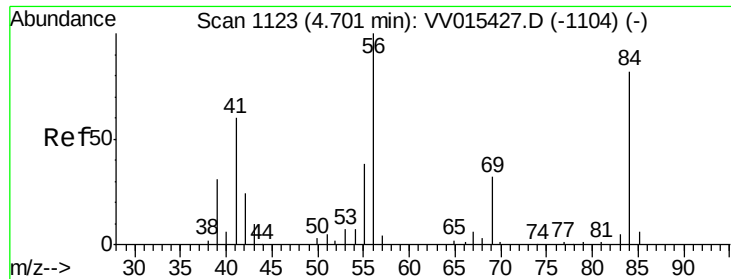
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#27
1,2-Dichloroethane
Concen: 0.662 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV015443.D
Acq: 10 Apr 2020 01:33

Tgt Ion: 62 Resp: 6799
Ion Ratio Lower Upper
62 100
98 9.2 6.6 10.0





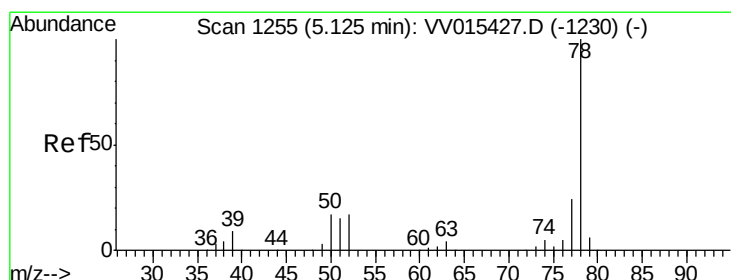
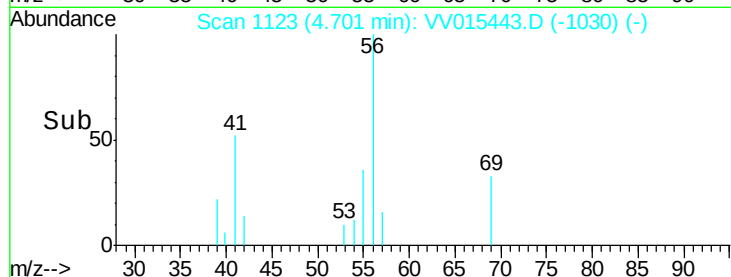
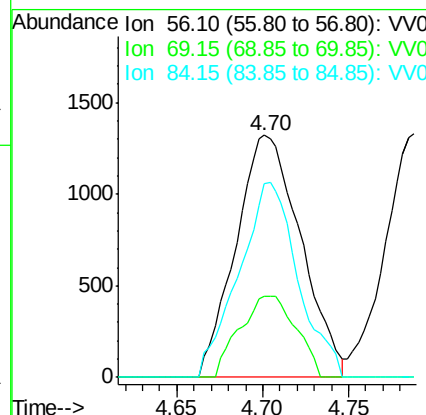
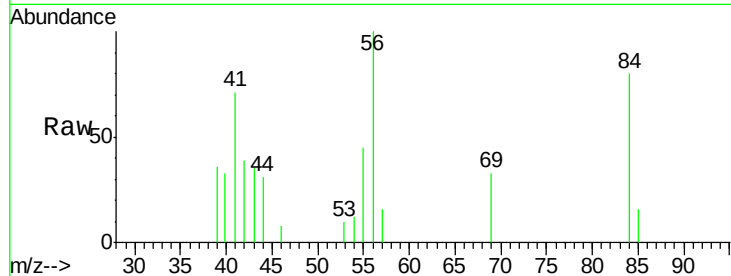
#30
Cyclohexane
Concen: 0.226 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV015443.D
Acq: 10 Apr 2020 01:33

Instrument :
MSVOA_V
ClientSampleId :
BFS84

Tot Ion: 56 Resp: 3466
Ion Ratio Lower Upper
56 100
69 29.0 24.2 36.4
84 73.1 68.4 102.6

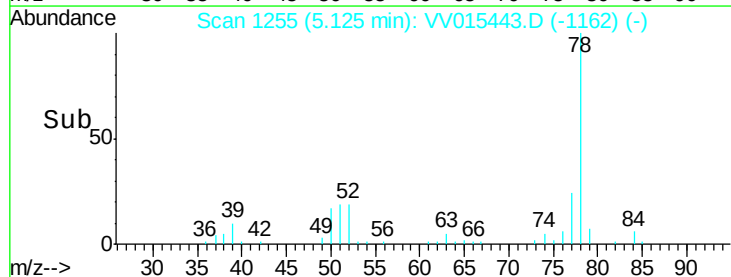
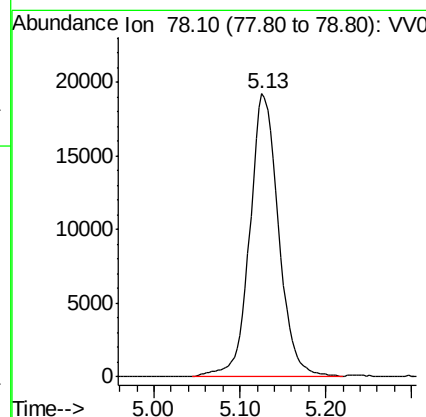
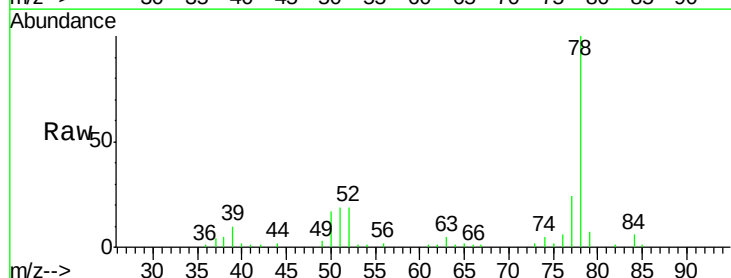
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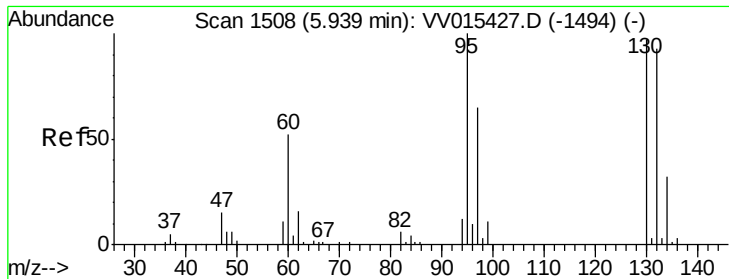
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#33
Benzene
Concen: 1.347 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VV015443.D
Acq: 10 Apr 2020 01:33

Tgt Ion: 78 Resp: 44945





#34

Trichloroethene

Concen: 0.196 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV015443.D

Acq: 10 Apr 2020 01:33

Instrument :

MSVOA_V

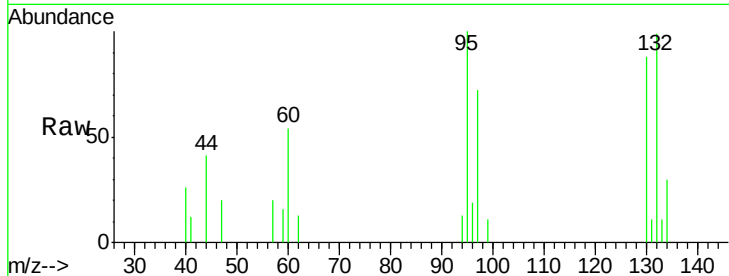
ClientSampled :

BFS84

Tot Ion:	95	Resp:	1764
Ion	Ratio	Lower	Upper
95	100		
97	72.2	45.4	84.4
132	98.6	64.8	120.4
130	87.6	67.4	125.2

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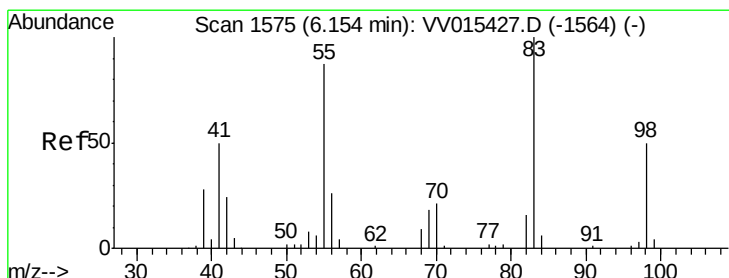
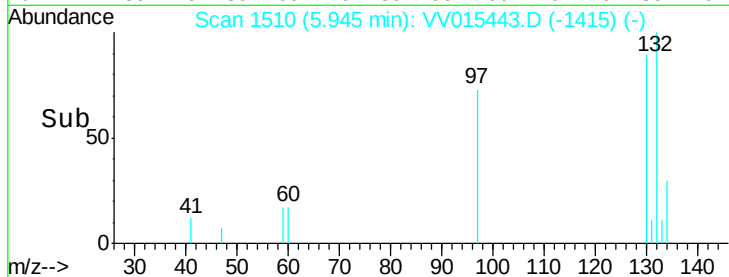
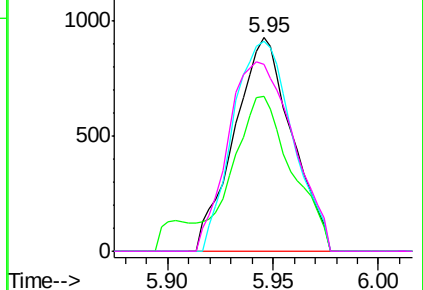


Abundance Ion 95.00 (94.70 to 95.70): VV015427.D (-1494) (-)

Ion 96.95 (96.65 to 97.65): VV015427.D (-1494) (-)

Ion 131.95 (131.65 to 132.65): VV015427.D (-1494) (-)

Ion 129.95 (129.65 to 130.65): VV015427.D (-1494) (-)



#35

Methylcyclohexane

Concen: 0.086 ug/L

RT: 6.15 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VV015443.D

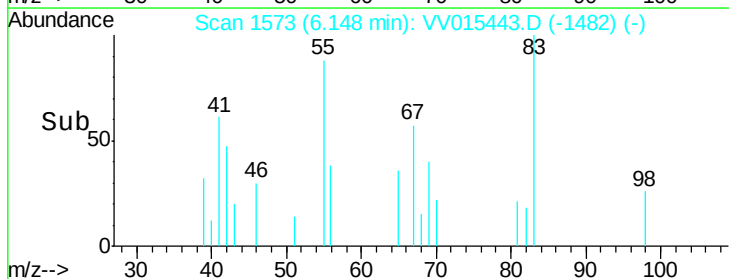
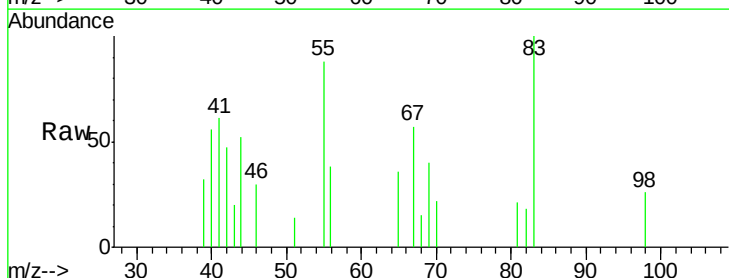
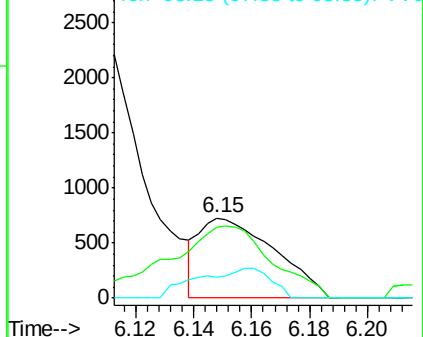
Acq: 10 Apr 2020 01:33

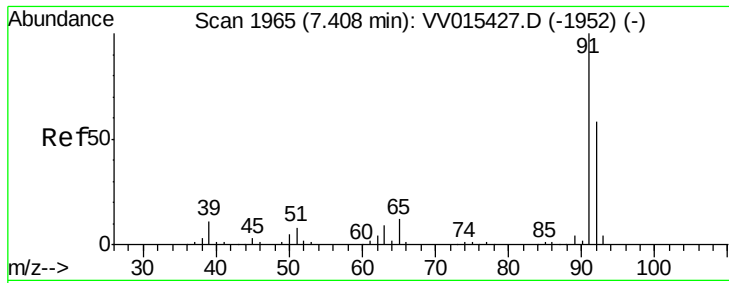
Tgt Ion:	83	Resp:	1309
Ion	Ratio	Lower	Upper
83	100		
55	125.3	66.6	99.8#
98	36.3	38.7	58.1#

Abundance Ion 83.15 (82.85 to 83.85): VV015427.D (-1564) (-)

Ion 55.10 (54.80 to 55.80): VV015427.D (-1564) (-)

Ion 98.15 (97.85 to 98.85): VV015427.D (-1564) (-)





#42

Toluene

Concen: 0.081 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV015443.D

Acq: 10 Apr 2020 01:33

Instrument :

MSVOA_V

ClientSampleId :

BFS84

Tot Ion: 91 Resp: 2928

Ion Ratio Lower Upper

91 100

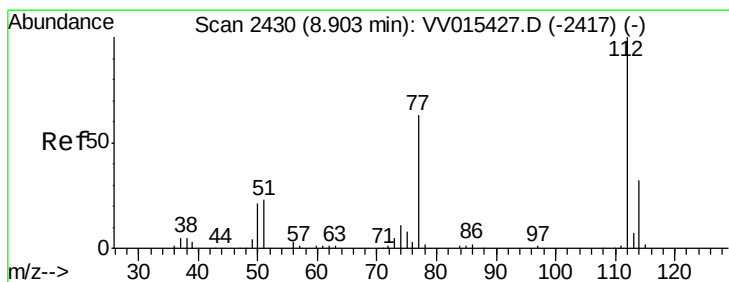
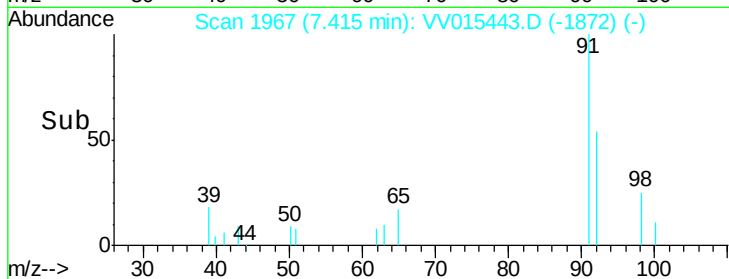
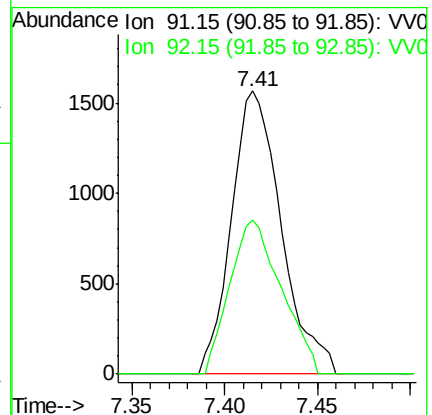
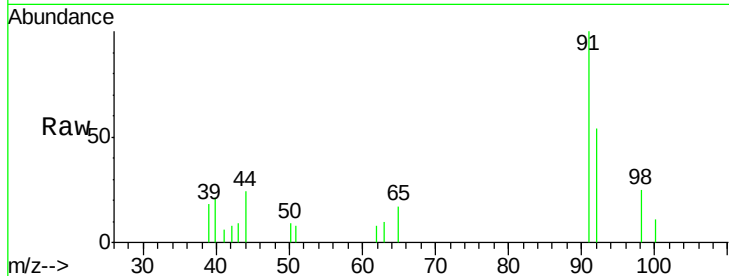
92 54.3 40.2 74.6

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#51

Chlorobenzene

Concen: 1.767 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV015443.D

Acq: 10 Apr 2020 01:33

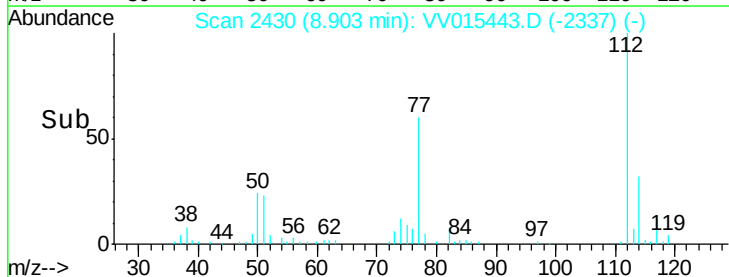
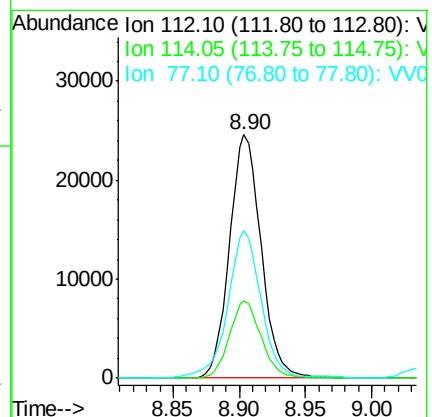
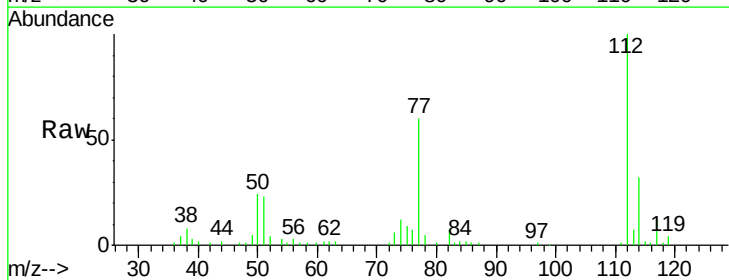
Tgt Ion: 112 Resp: 40799

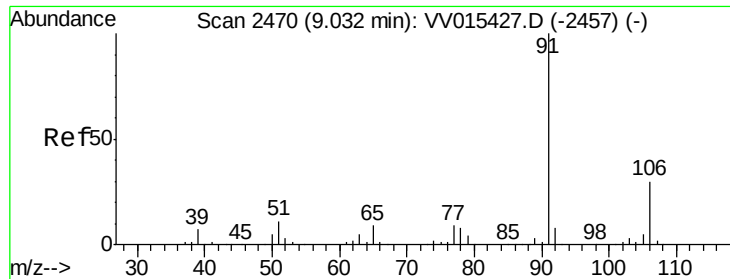
Ion Ratio Lower Upper

112 100

114 31.8 22.9 42.5

77 60.4 49.8 74.8





#52

Ethylbenzene

Concen: 0.378 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV015443.D

Acq: 10 Apr 2020 01:33

Instrument :

MSVOA_V

ClientSampled :

BFS84

Tot Ion: 91 Resp: 15768

Ion Ratio Lower Upper

91 100

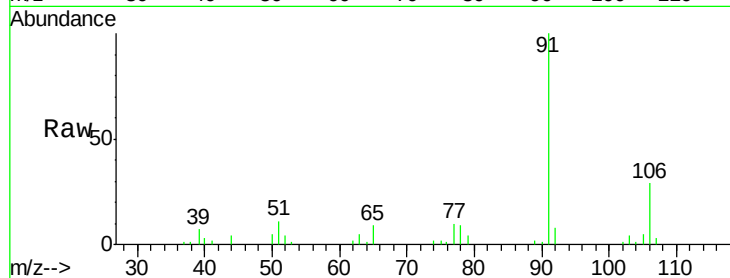
106 29.2 20.8 38.6

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Abundance Ion 91.15 (90.85 to 91.85): VV015443.D (-2377) (-)

Ion 106.15 (105.85 to 106.85): VV015443.D (-2377) (-)

9.04

10000

8000

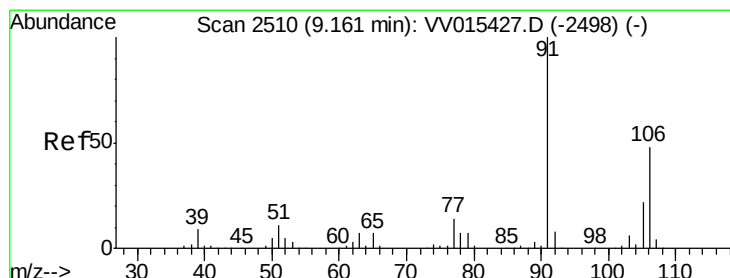
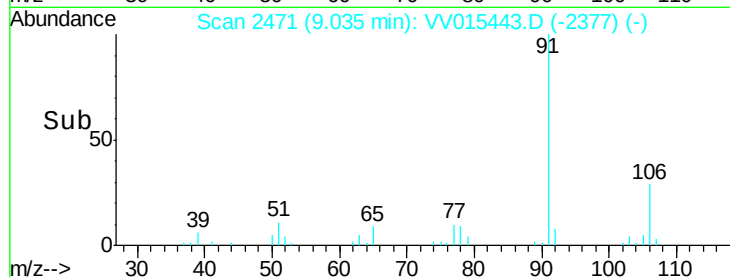
6000

4000

2000

0

Time-->



#53

m,p-xylene

Concen: 1.295 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV015443.D

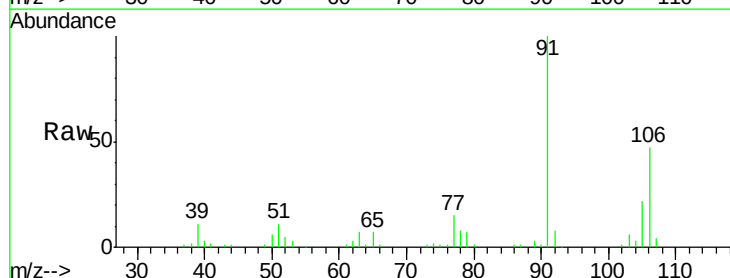
Acq: 10 Apr 2020 01:33

Tgt Ion: 106 Resp: 20398

Ion Ratio Lower Upper

106 100

91 211.8 147.9 274.7



Abundance Ion 106.15 (105.85 to 106.85): VV015443.D (-2417) (-)

Ion 91.15 (90.85 to 91.85): VV015443.D (-2417) (-)

9.16

30000

25000

20000

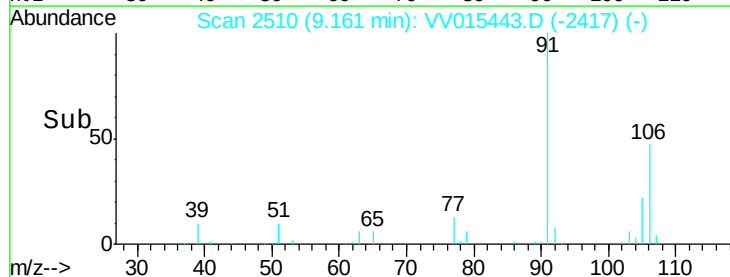
15000

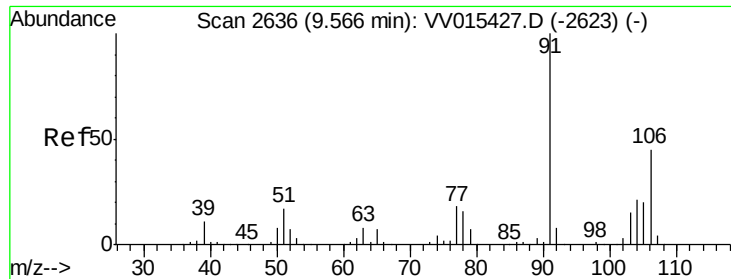
10000

5000

0

Time-->





#54

o-xylene

Concen: 0.483 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV015443.D

Acq: 10 Apr 2020 01:33

Instrument :

MSVOA_V

ClientSampleId :

BFS84

Tot Ion:106 Resp: 7366

Ion Ratio Lower Upper

106 100

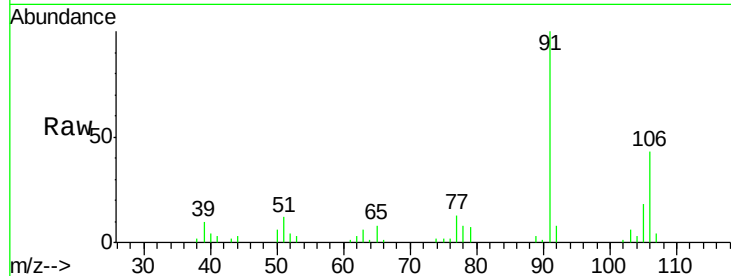
91 229.9 154.5 286.9

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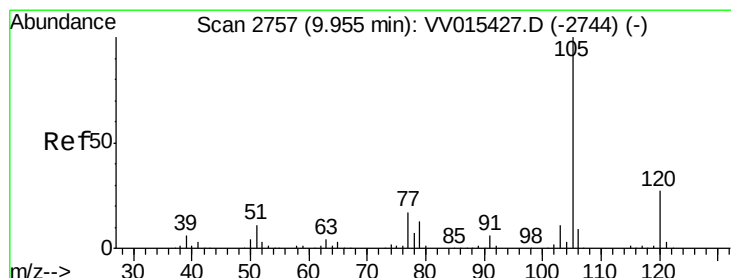
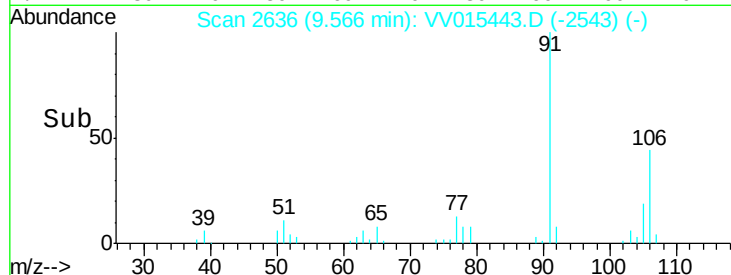
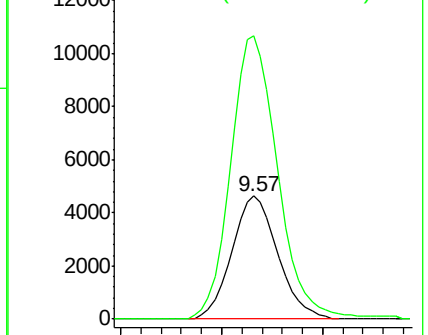
apatel

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Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 0.159 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV015443.D

Acq: 10 Apr 2020 01:33

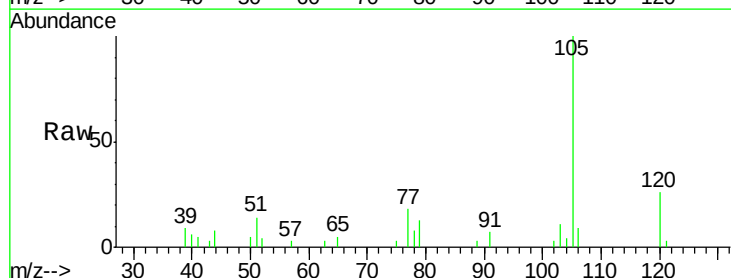
Tgt Ion:105 Resp: 6646

Ion Ratio Lower Upper

105 100

120 23.9 20.7 31.1

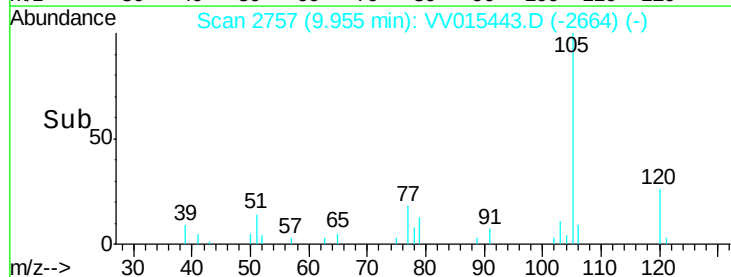
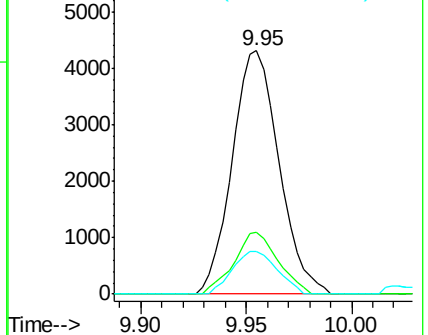
77 16.7 13.5 20.3

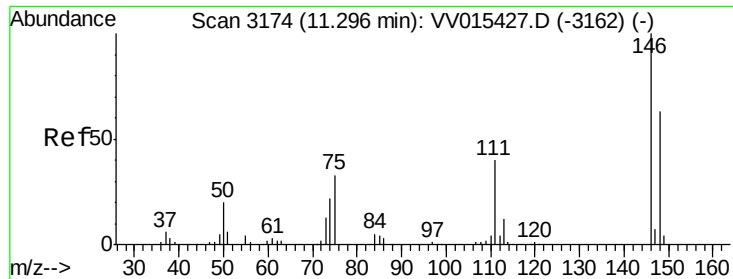


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0





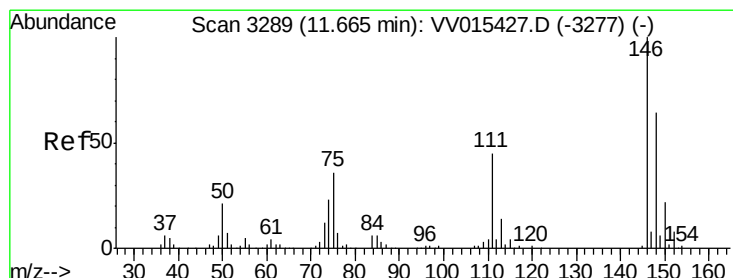
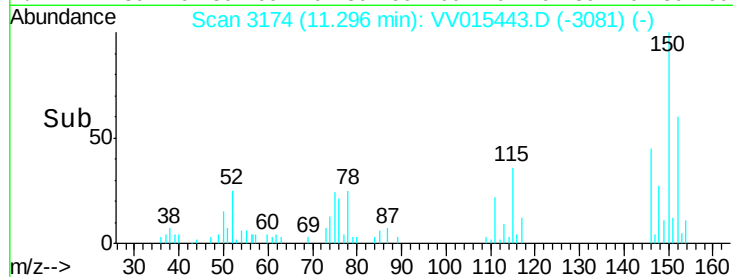
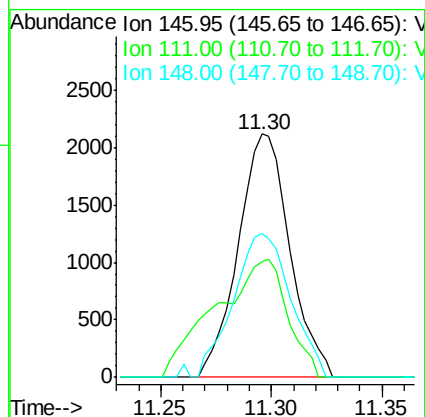
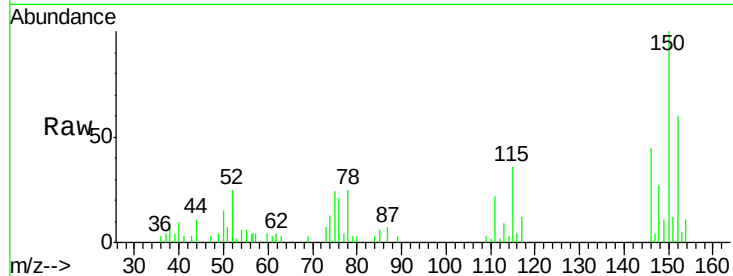
#63
 1,4-Dichlorobenzene
 Concen: 0.191 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV015443.D
 Acq: 10 Apr 2020 01:33

Instrument :
 MSVOA_V
 ClientSampled :
 BFS84

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.7	29.4	54.6
148	58.8	44.3	82.3

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#65
 1,2-Dichlorobenzene
 Concen: 1.820 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV015443.D
 Acq: 10 Apr 2020 01:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.8	35.8	53.6
148	60.3	50.2	75.4

