

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032720\
 Data File : VX015413.D
 Acq On : 28 Mar 2020 04:40
 Operator : JC/SP
 Sample : L2033-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OIL-WATER-SEPARATOR

Quant Time: Mar 30 01:53:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1084870	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.84	114	1778770	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1661098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	876851	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	735460	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
35) Dibromofluoromethane	5.47	113	562441	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	
50) Toluene-d8	8.70	98	2139502	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
62) 4-Bromofluorobenzene	11.12	95	919377	54.04	ug/l	0.00
Spiked Amount			Recovery	=	108.08%	

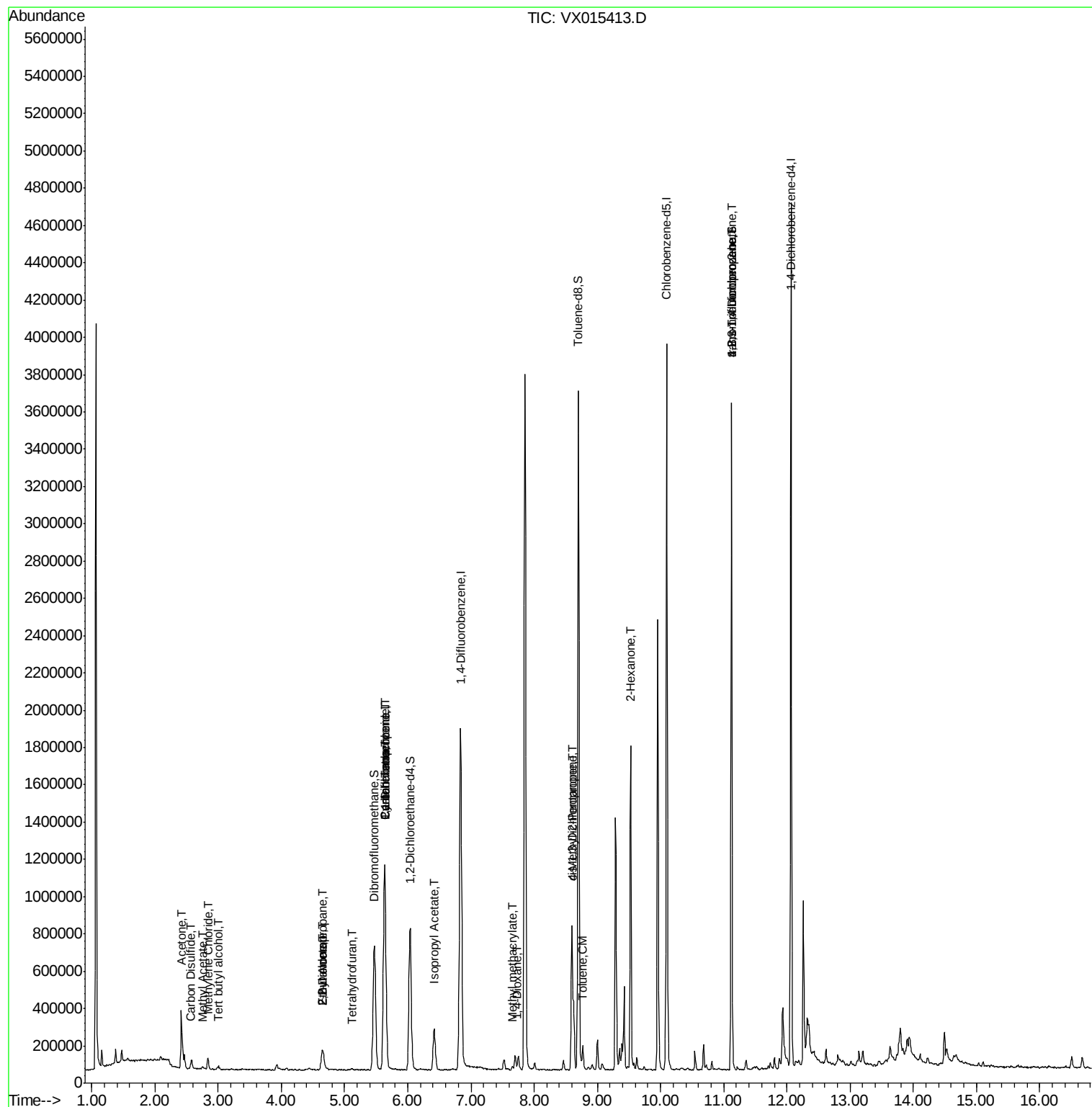
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	529	Below Cal	#	3
11) Tert butyl alcohol	3.00	59	14276	3.898	ug/l #	87
16) Acetone	2.42	43	328529	49.977	ug/l	97
17) Carbon Disulfide	2.55	76	7888	0.252	ug/l	98
18) Methyl Acetate	2.75	43	15299	0.912	ug/l	97
20) Methylene Chloride	2.84	84	24785	2.019	ug/l	94
25) 2-Butanone	4.65	43	94139	8.905	ug/l	99
26) 2,2-Dichloropropane	4.65	77	5392	0.294	ug/l	80
29) Tetrahydrofuran	5.12	42	4606	0.678	ug/l #	37
31) Cyclohexane	5.64	56	22021	1.137	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	82240	5.018	ug/l #	52
37) Ethyl Acetate	4.65	43	94139	4.411	ug/l #	71
38) Carbon Tetrachloride	5.63	117	102699	5.785	ug/l #	15
43) Isopropyl Acetate	6.42	43	322626	8.956	ug/l	99
48) Methyl methacrylate	7.65	41	22289	1.239	ug/l #	19
49) 1,4-Dioxane	7.73	88	313	0.932	ug/l #	20
51) 4-Methyl-2-Pentanone	8.60	43	488040	23.905	ug/l #	38
52) Toluene	8.77	92	40418	1.366	ug/l	96
54) cis-1,3-Dichloropropene	8.60	75	121857	5.556	ug/l #	53
59) 2-Hexanone	9.53	43	206110	13.372	ug/l #	52
76) 1,2,3-Trichloropropane	11.12	75	468126	25.961	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	468126	62.293	ug/l #	10

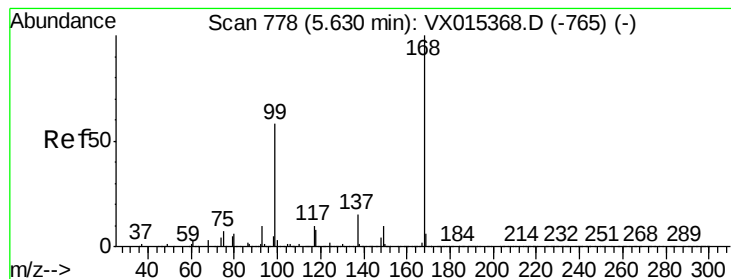
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032720\
Data File : VX015413.D
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Quant Time: Mar 30 01:53:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 780

Delta R.T. 0.01 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

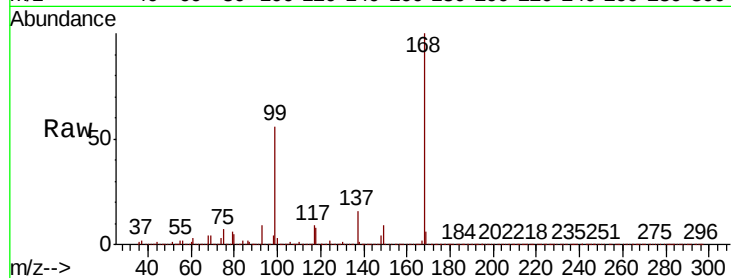
OIL-WATER-SEPARATOR

Tot Ion:168 Resp: 1084870

Ion Ratio Lower Upper

168 100

99 55.9 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

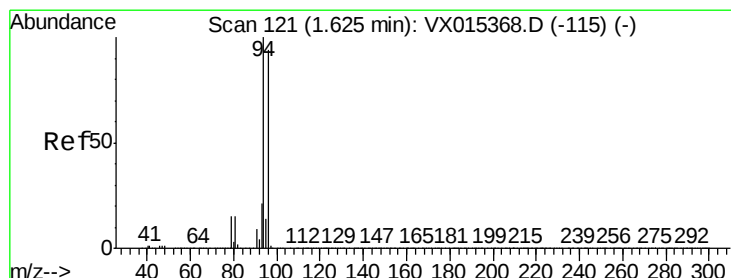
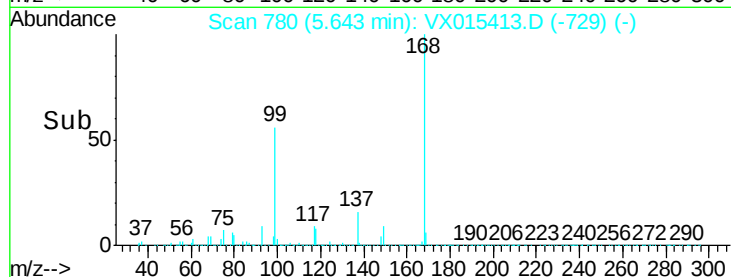
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.62 min Scan# 120

Delta R.T. -0.01 min

Lab File: VX015413.D

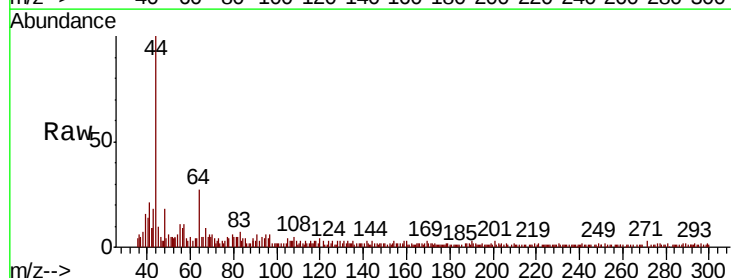
Acq: 28 Mar 2020 04:40

Tgt Ion: 94 Resp: 529

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

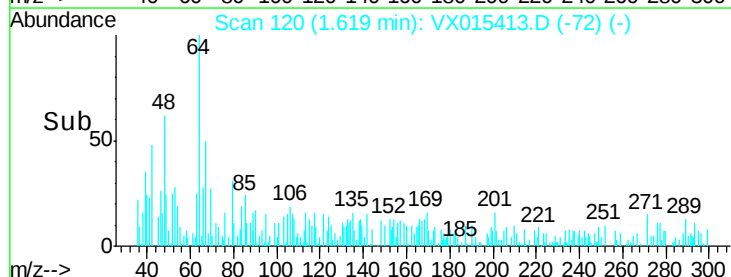
Ion 95.90 (95.60 to 96.60): VX0

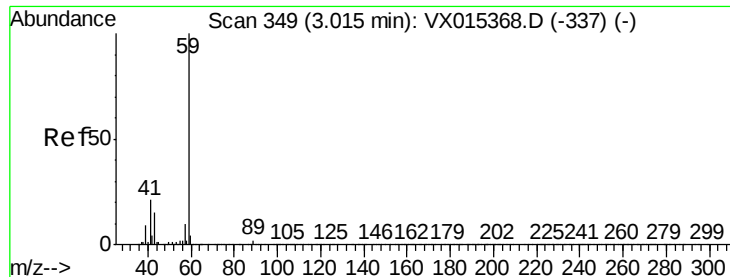
1000

500

0

Time-->



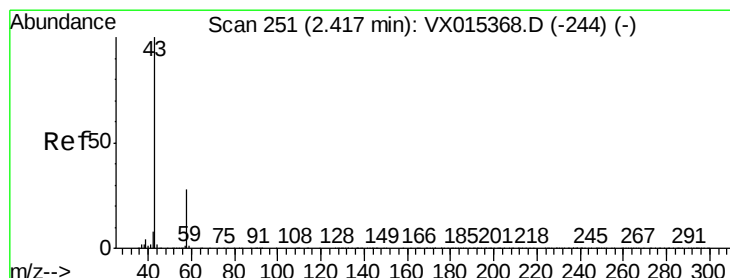
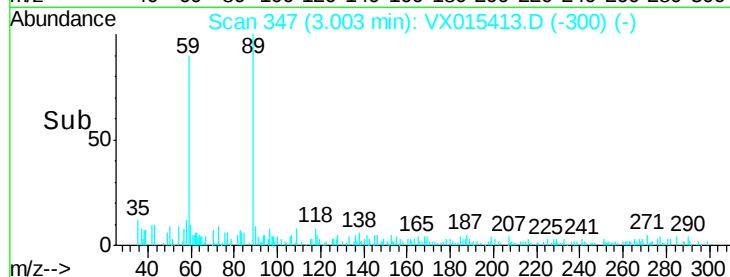
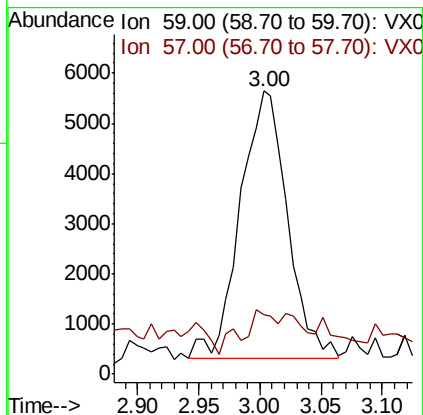
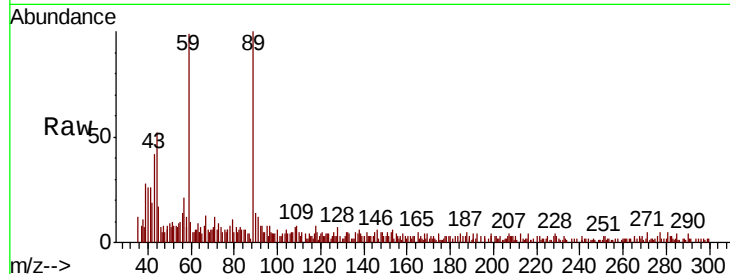


#11

Tert butvl alcohol
Concen: 3.898 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.01 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

Instrument :
MSVOA_X
ClientSampleId :
OIL-WATER-SEPARATOR

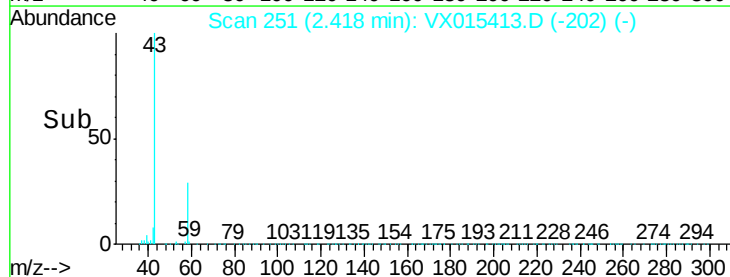
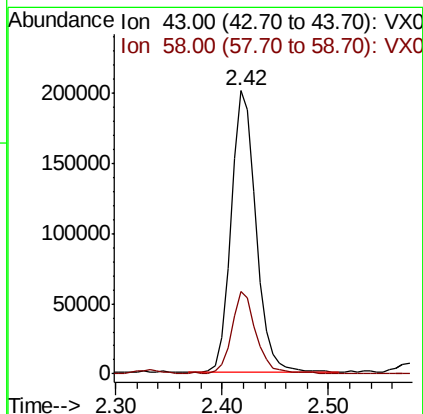
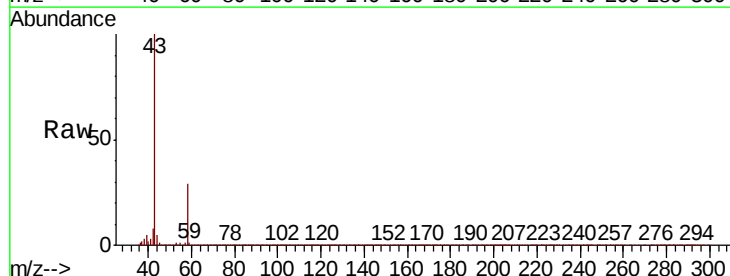
Tot Ion: 59 Resp: 14276
Ion Ratio Lower Upper
59 100
57 5.2 8.1 12.1#

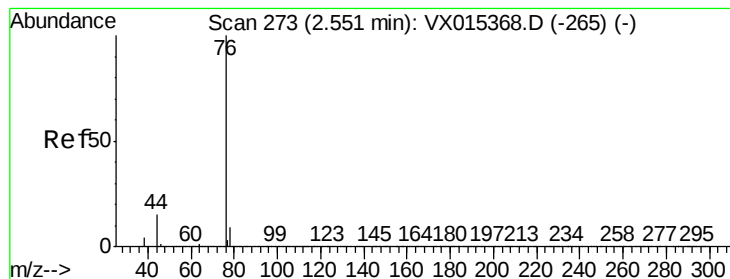


#16

Acetone
Concen: 49.977 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

Tgt Ion: 43 Resp: 328529
Ion Ratio Lower Upper
43 100
58 29.0 22.1 33.1





#17

Carbon Disulfide

Concen: 0.252 ug/l

RT: 2.55 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

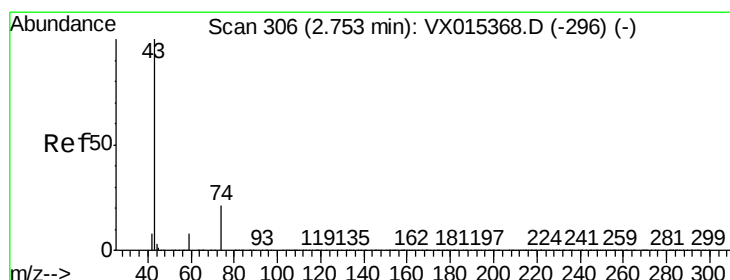
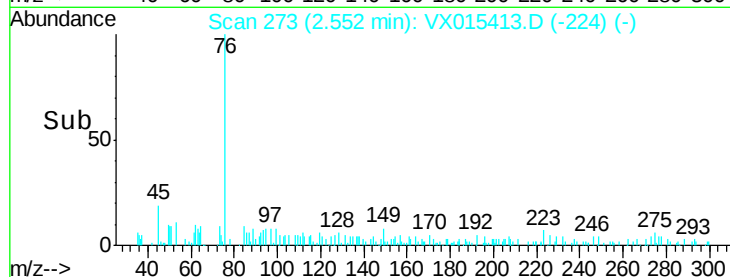
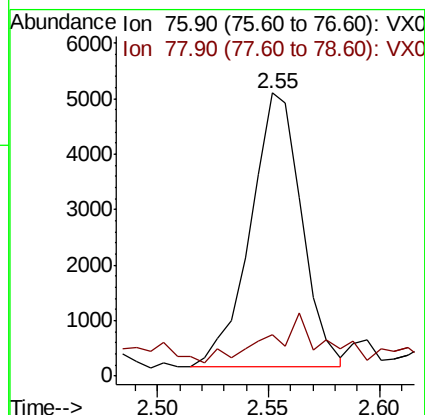
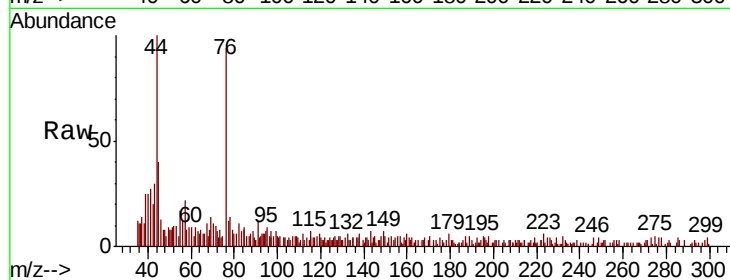
OIL-WATER-SEPARATOR

Tot Ion: 76 Resp: 7888

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7



#18

Methyl Acetate

Concen: 0.912 ug/l

RT: 2.75 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX015413.D

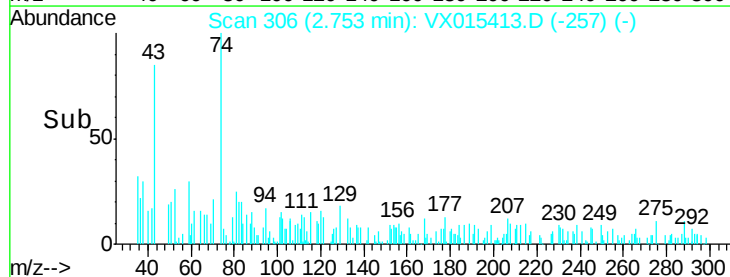
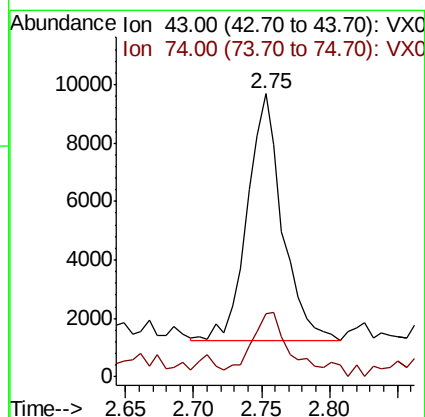
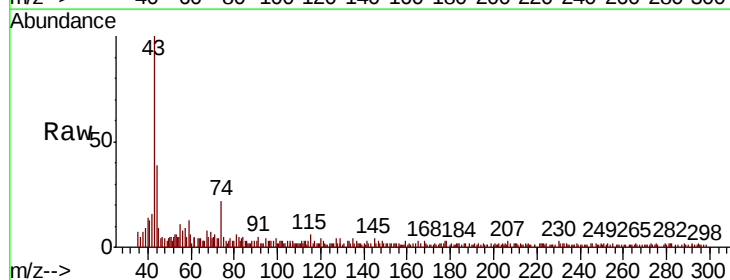
Acq: 28 Mar 2020 04:40

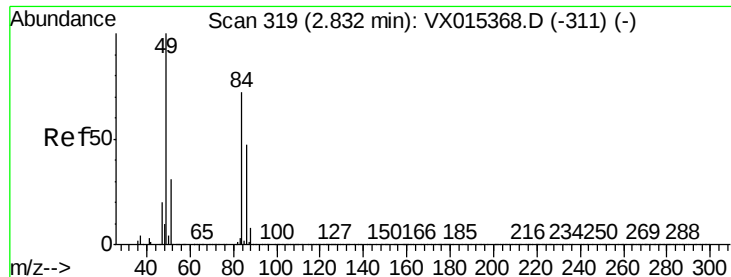
Tgt Ion: 43 Resp: 15299

Ion Ratio Lower Upper

43 100

74 22.0 16.5 24.7

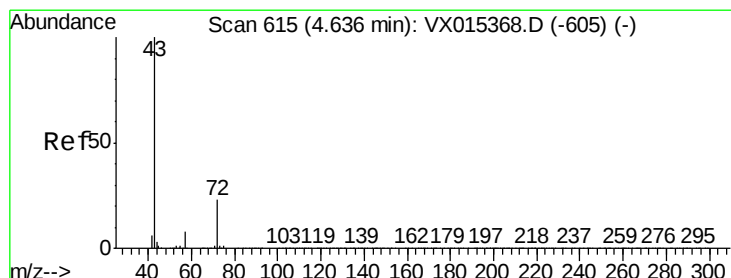
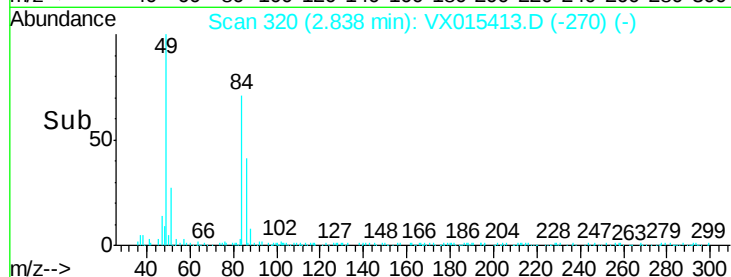
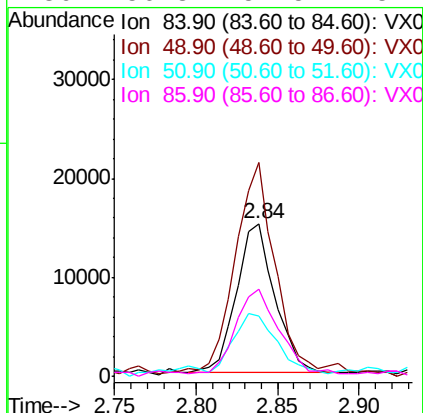
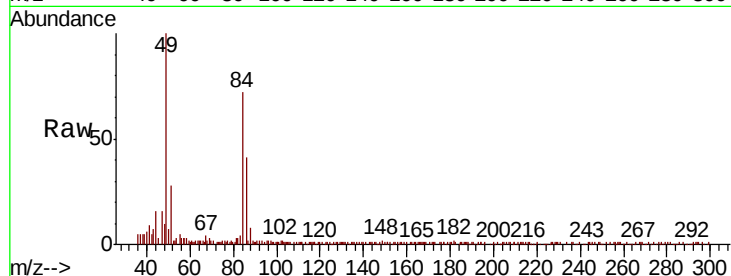




#20
Methvlene Chloride
Concen: 2.019 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

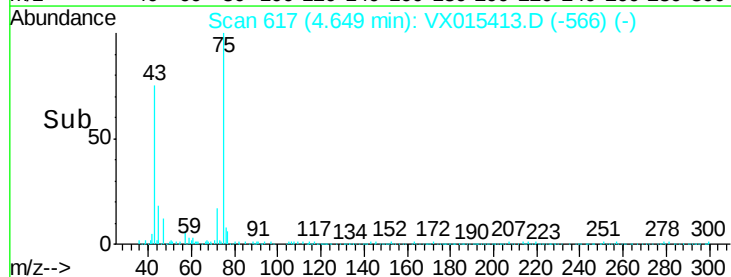
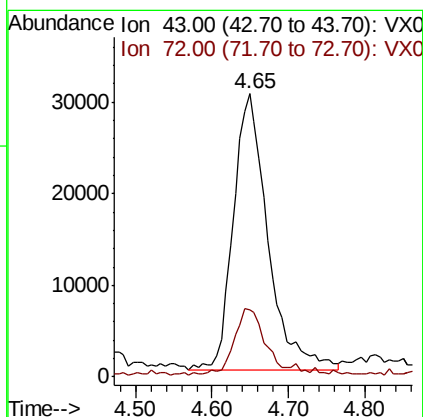
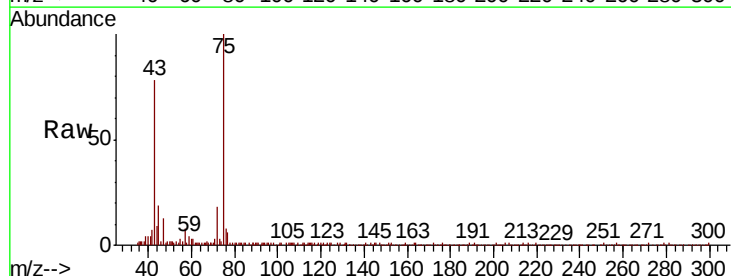
Instrument :
MSVOA_X
ClientSampleId :
OIL-WATER-SEPARATOR

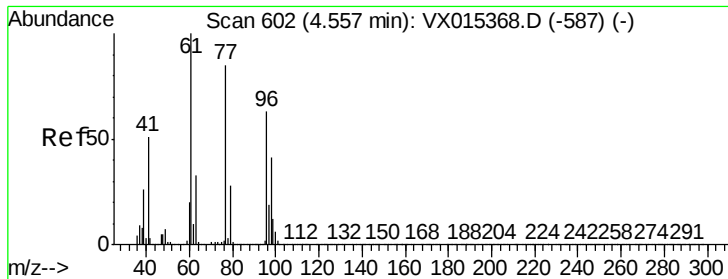
Tot Ion:	84	Resp:	24785
Ion	Ratio	Lower	Upper
84	100		
49	137.5	111.3	166.9
51	35.0	34.0	51.0
86	56.3	52.5	78.7



#25
2-Butanone
Concen: 8.905 ug/l
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

Tgt Ion:	43	Resp:	94139
Ion	Ratio	Lower	Upper
43	100		
72	23.4	19.0	28.4





#26

2,2-Dichloropropane

Concen: 0.294 ug/l

RT: 4.65 min Scan# 617

Delta R.T. 0.09 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

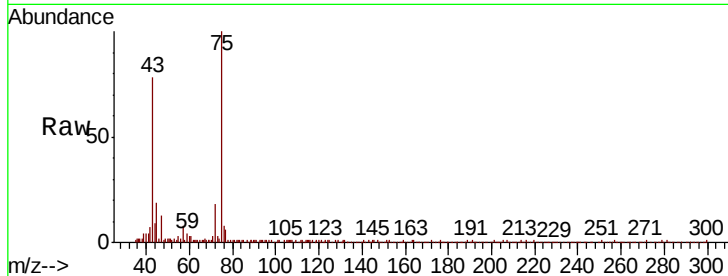
OIL-WATER-SEPARATOR

Tot Ion: 77 Resp: 5392

Ion Ratio Lower Upper

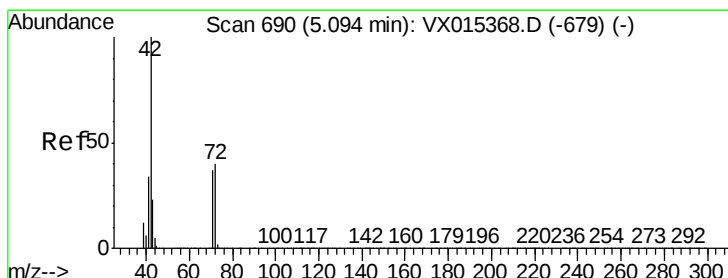
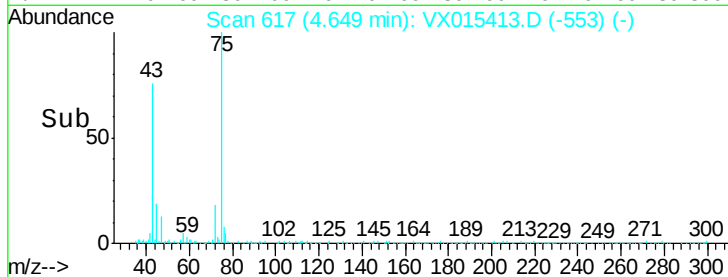
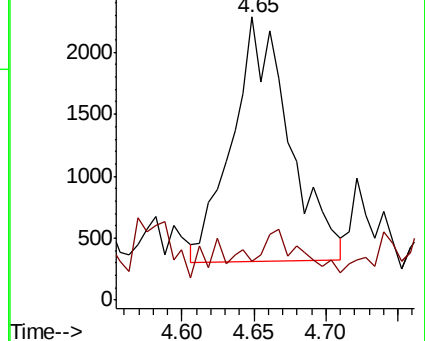
77 100

97 13.1 11.3 33.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#29

Tetrahydrofuran

Concen: 0.678 ug/l

RT: 5.12 min Scan# 694

Delta R.T. 0.02 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

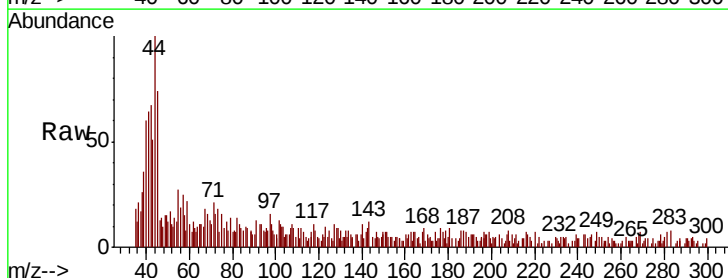
Tgt Ion: 42 Resp: 4606

Ion Ratio Lower Upper

42 100

72 0.0 31.7 47.5#

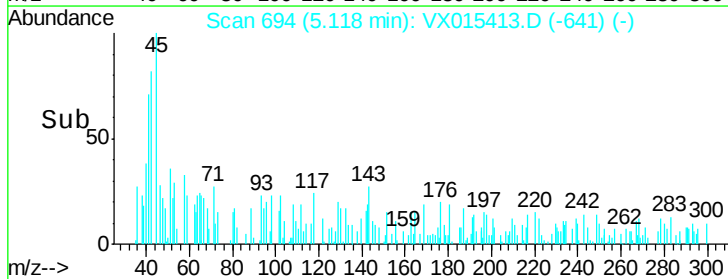
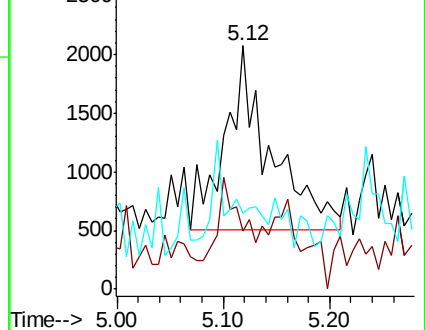
71 0.0 29.6 44.4#

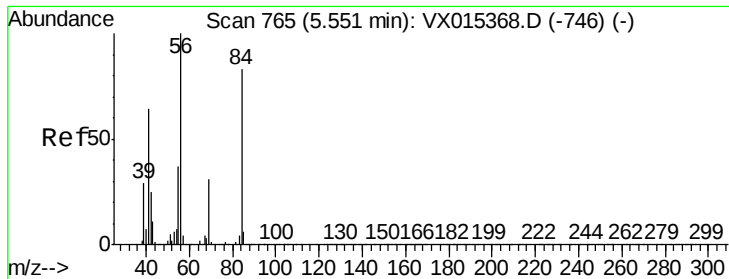


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

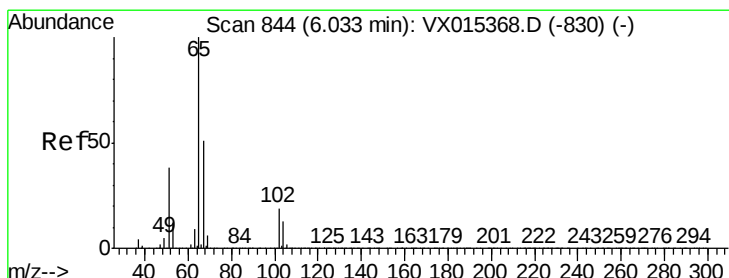
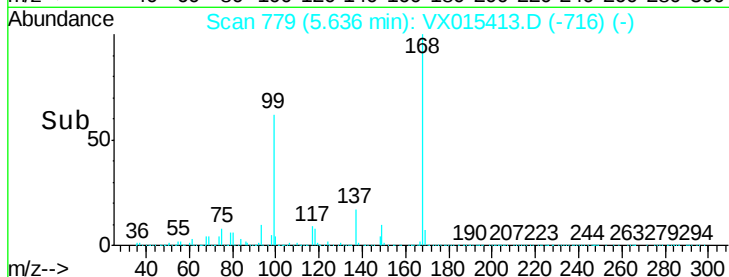
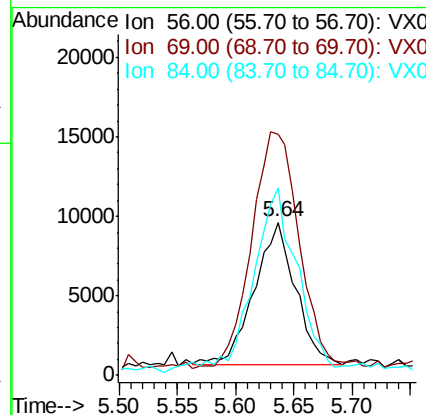
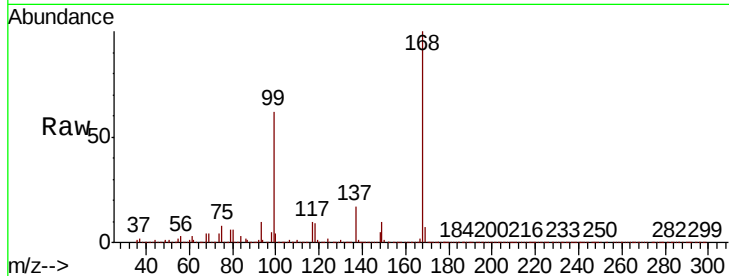




#31
Cyclohexane
Concen: 1.137 ug/l
RT: 5.64 min Scan# 779
Delta R.T. 0.09 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

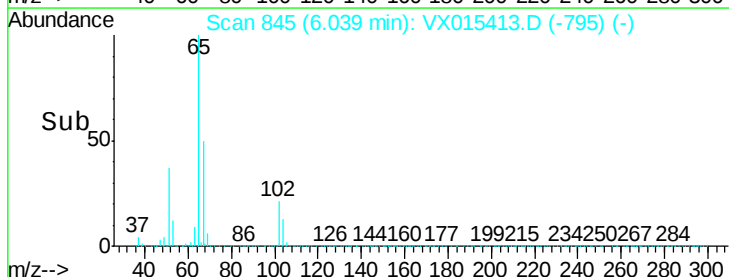
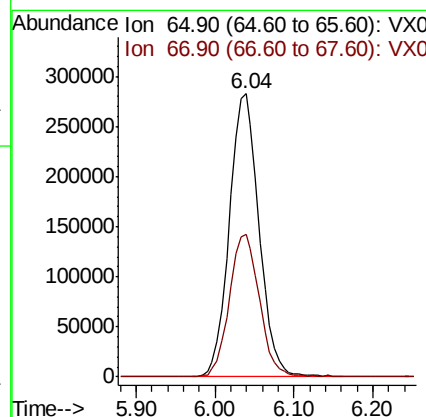
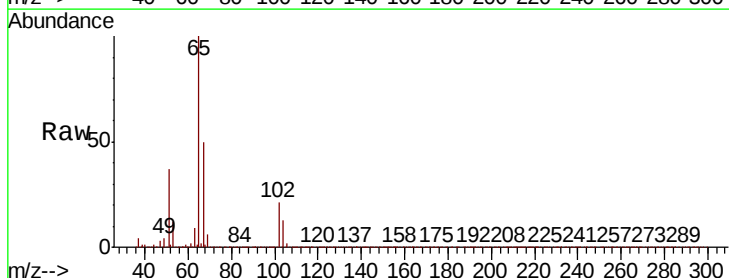
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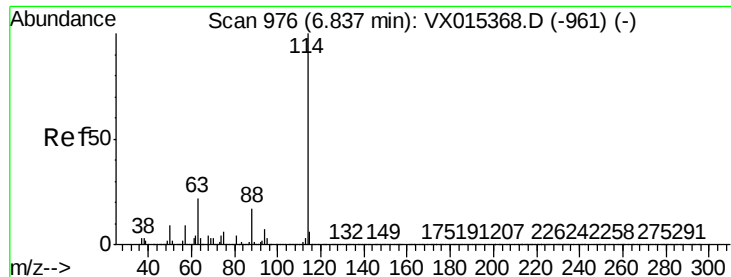
Tot Ion: 56 Resp: 22021
Ion Ratio Lower Upper
56 100
69 164.3 24.6 36.8#
84 125.0 66.1 99.1#



#33
1,2-Dichloroethane-d4
Concen: 48.066 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

Tgt Ion: 65 Resp: 735460
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

OIL-WATER-SEPARATOR

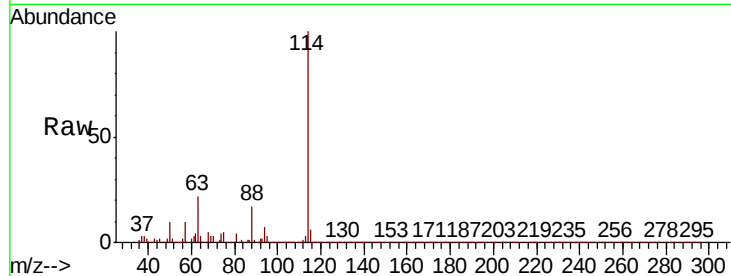
Tot Ion:114 Resp: 1778770

Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.2

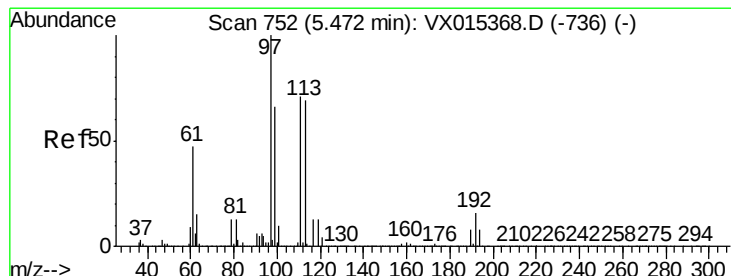
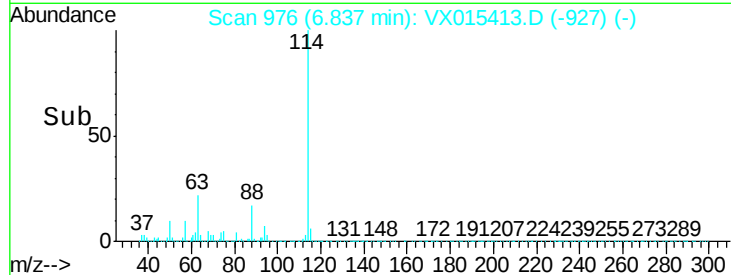
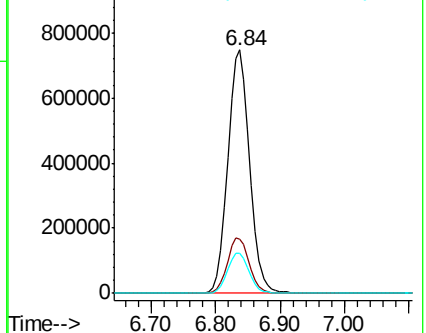
88 16.7 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 49.465 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

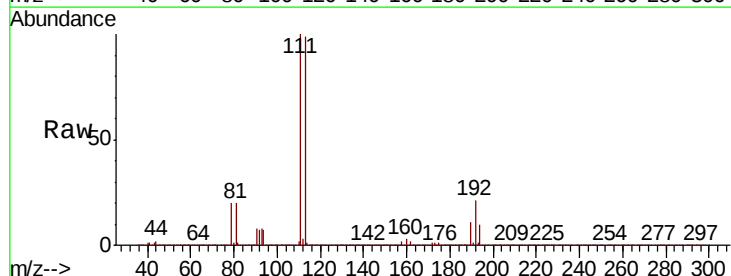
Tgt Ion:113 Resp: 562441

Ion Ratio Lower Upper

113 100

111 102.0 81.5 122.3

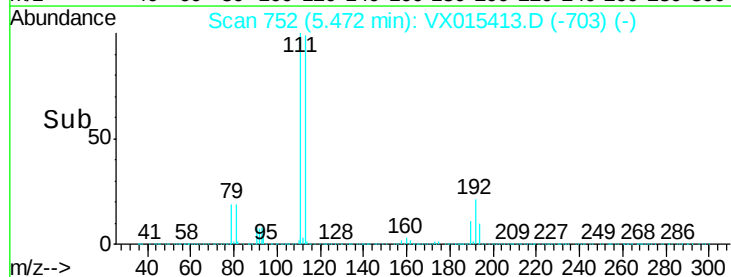
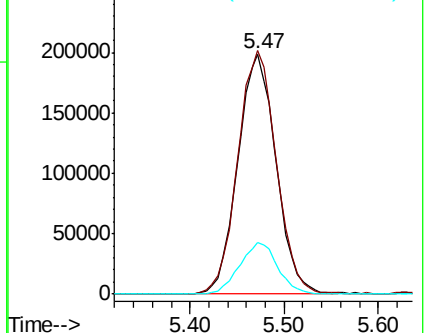
192 21.3 17.8 26.6

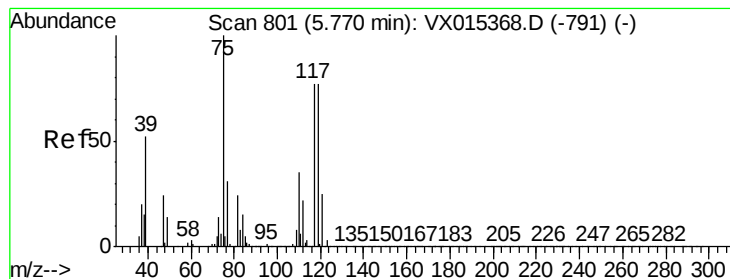


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.018 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

OIL-WATER-SEPARATOR

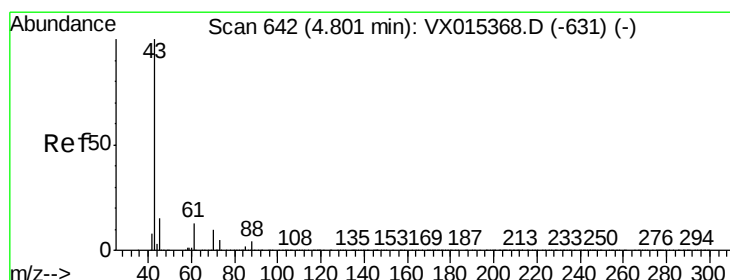
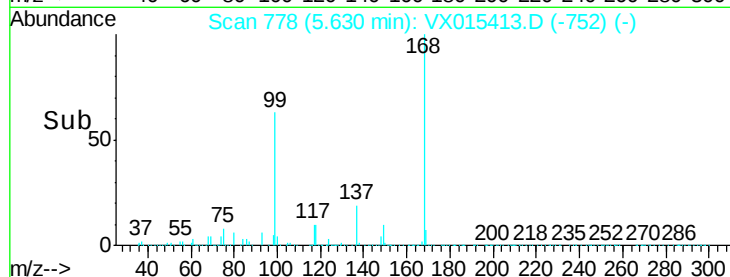
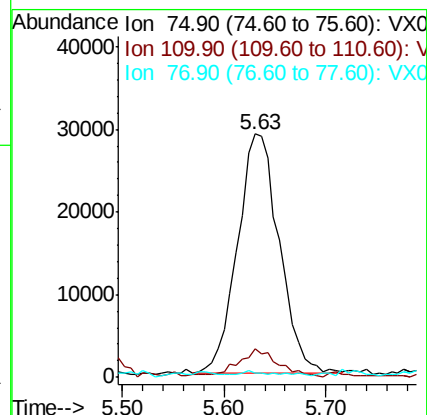
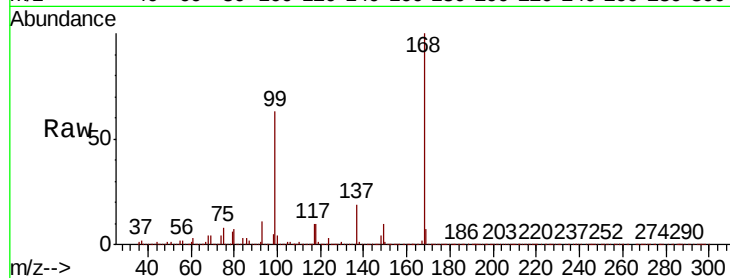
Tot Ion: 75 Resp: 82240

Ion Ratio Lower Upper

75 100

110 10.8 17.1 51.3#

77 0.5 24.6 36.8#



#37

Ethyl Acetate

Concen: 4.411 ug/l

RT: 4.65 min Scan# 617

Delta R.T. -0.15 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

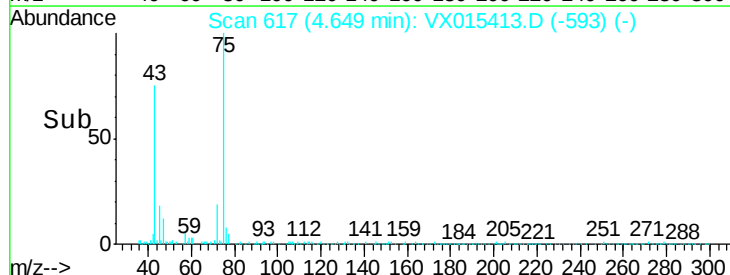
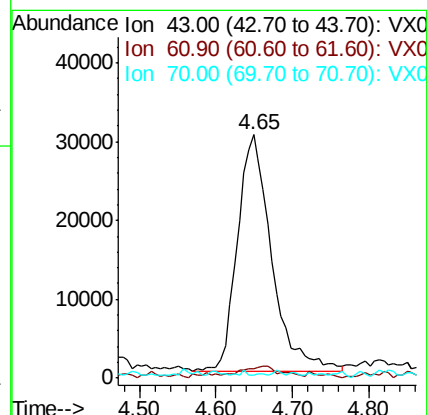
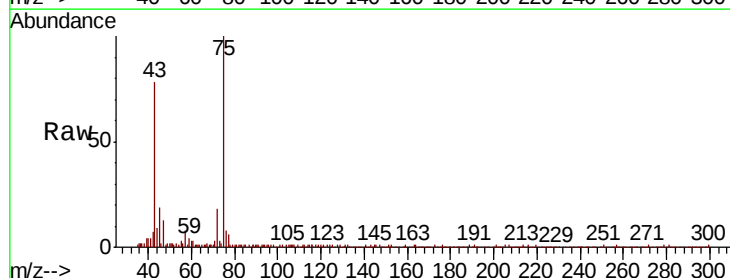
Tgt Ion: 43 Resp: 94139

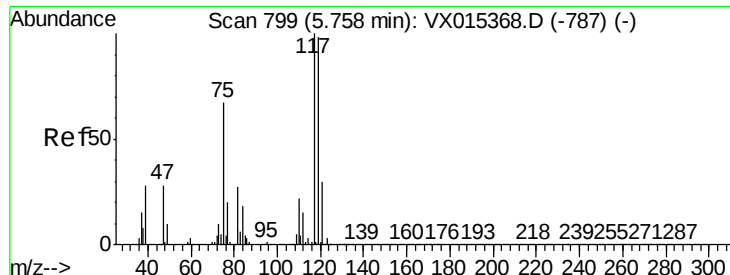
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 0.3 8.1 12.1#

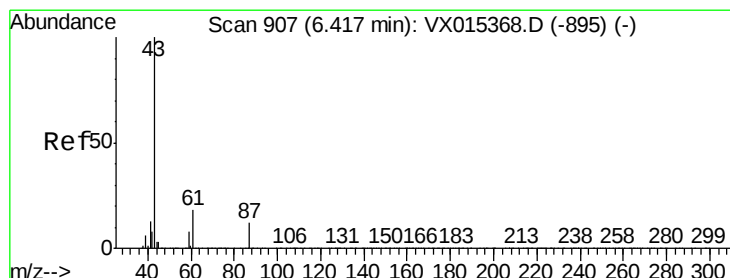
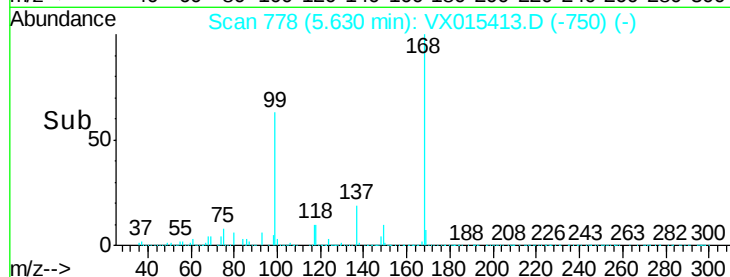
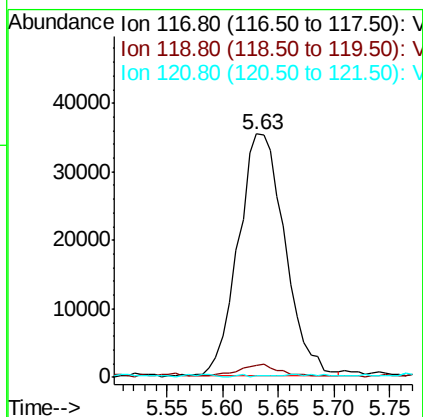
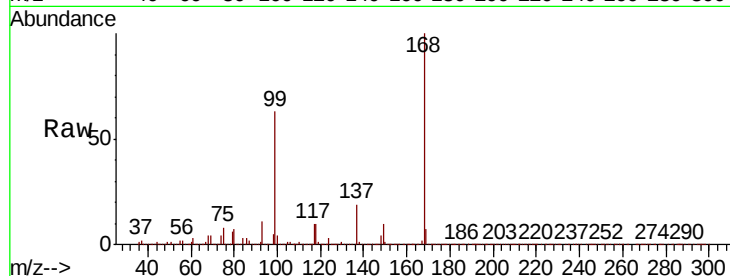




#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 5.63 min Scan# 778
Delta R.T. -0.13 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

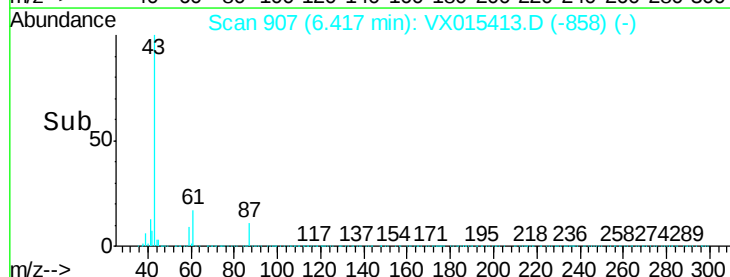
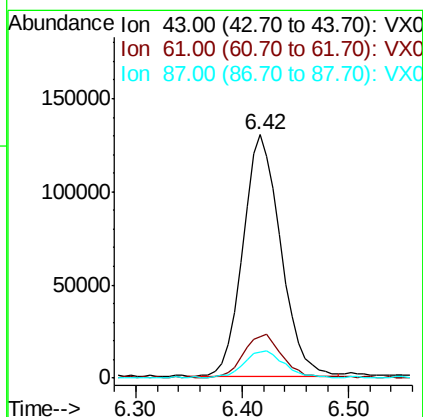
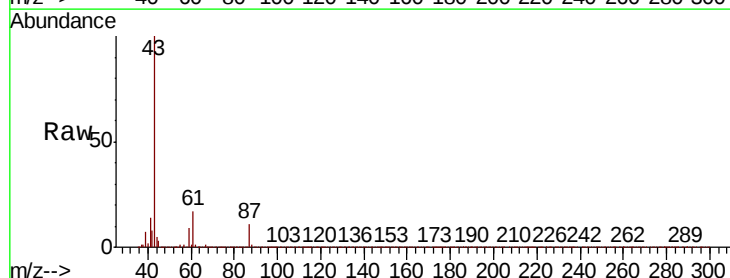
Instrument :
MSVOA_X
ClientSampleId :
OIL-WATER-SEPARATOR

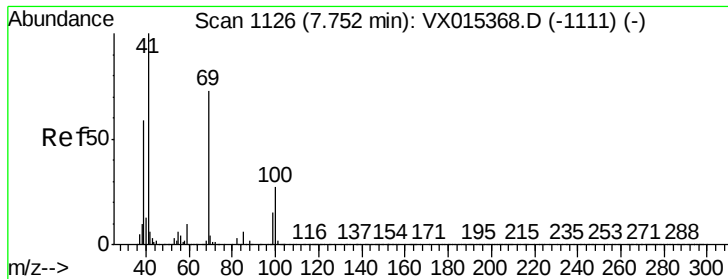
Tot Ion:117 Resp: 102699
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 8.956 ug/l
RT: 6.42 min Scan# 907
Delta R.T. 0.00 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

Tgt Ion: 43 Resp: 322626
Ion Ratio Lower Upper
43 100
61 17.8 14.8 22.2
87 12.1 9.4 14.0

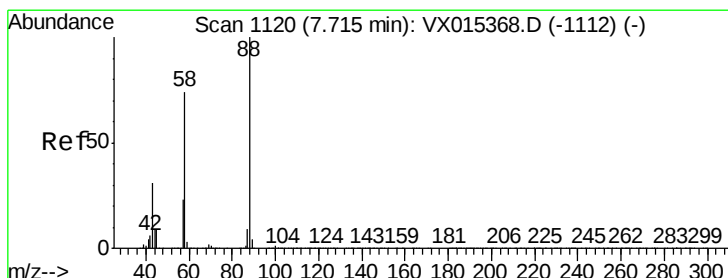
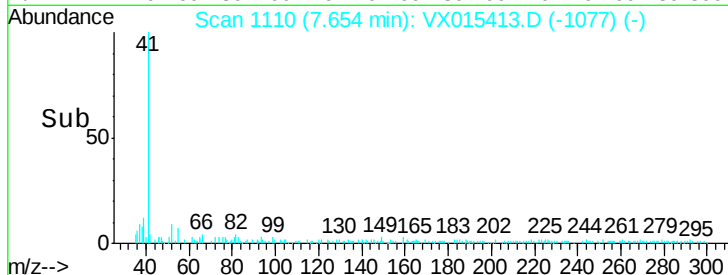
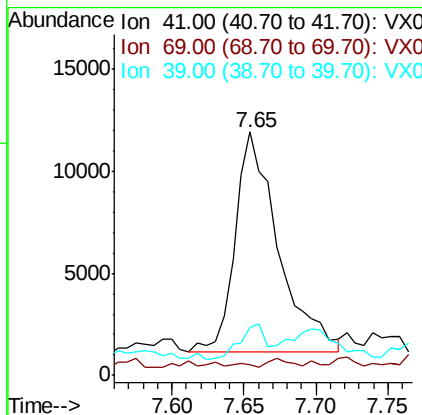
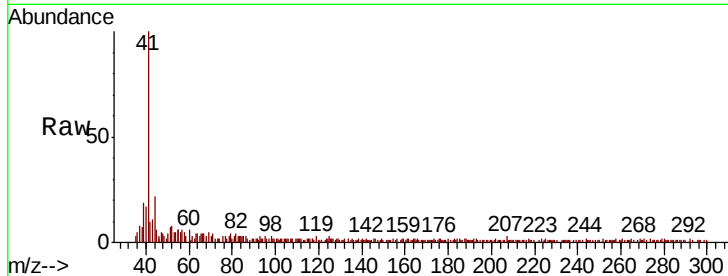




#48
Methvl methacrylate
Concen: 1.239 ug/l
RT: 7.65 min Scan# 1110
Delta R.T. -0.10 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

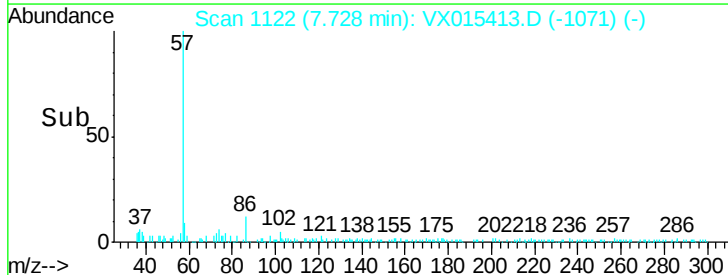
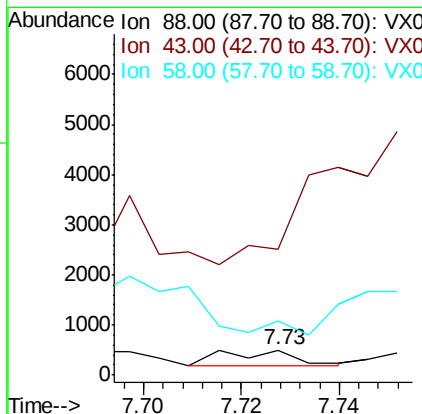
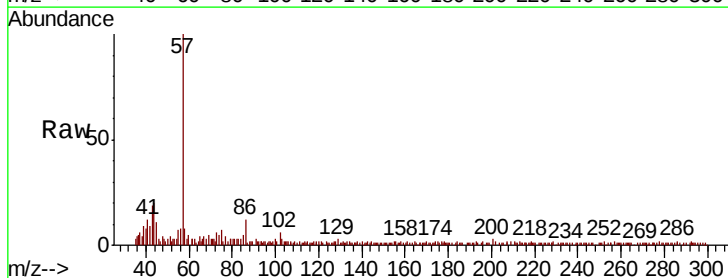
Instrument :
MSVOA_X
ClientSampleId :
OIL-WATER-SEPARATOR

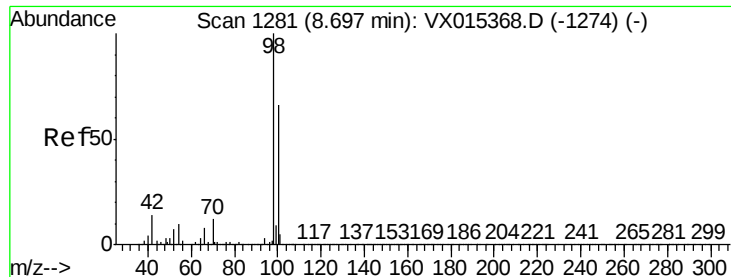
Tot Ion: 41 Resp: 22289
Ion Ratio Lower Upper
41 100
69 2.0 56.7 85.1#
39 0.0 46.5 69.7#



#49
1,4-Dioxane
Concen: 0.932 ug/l
RT: 7.73 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

Tgt Ion: 88 Resp: 313
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1#
58 0.0 60.6 90.8#





#50

Toluene-d8

Concen: 51.108 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

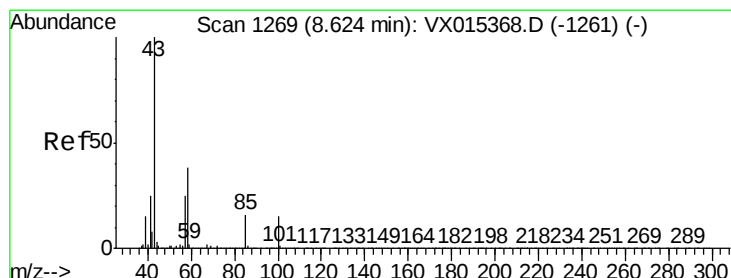
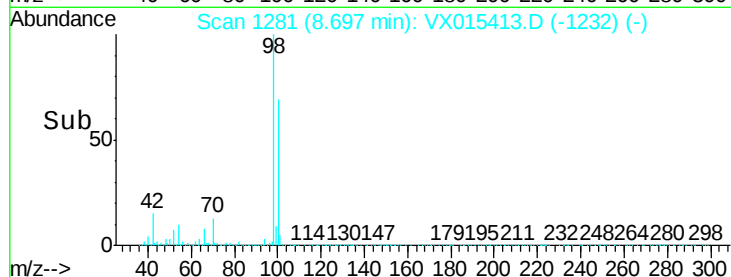
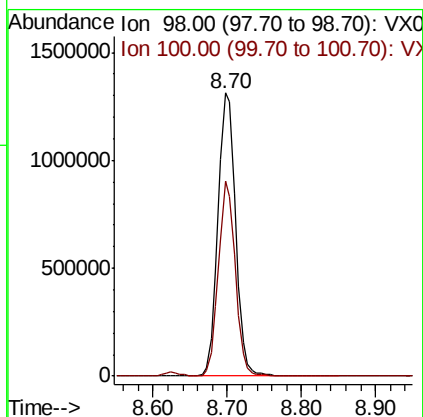
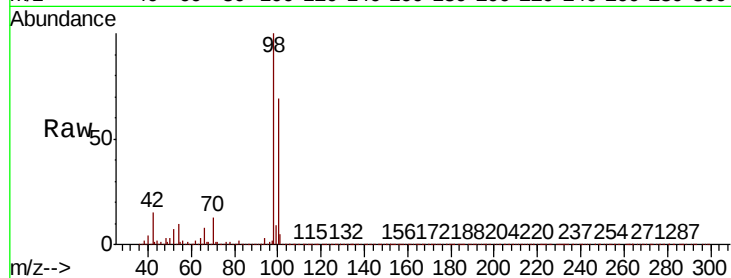
OIL-WATER-SEPARATOR

Tot Ion: 98 Resp: 2139502

Ion Ratio Lower Upper

98 100

100 66.1 53.5 80.3



#51

4-Methyl-2-Pentanone

Concen: 23.905 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VX015413.D

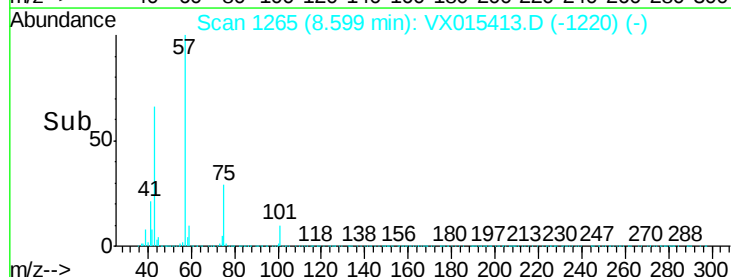
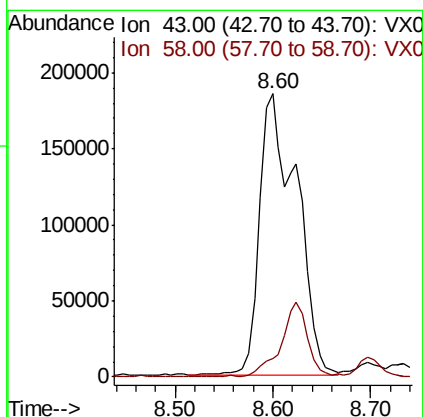
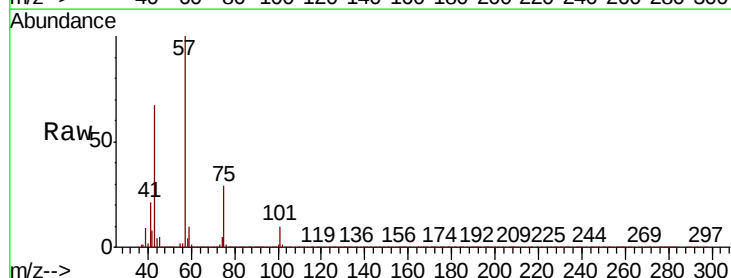
Acq: 28 Mar 2020 04:40

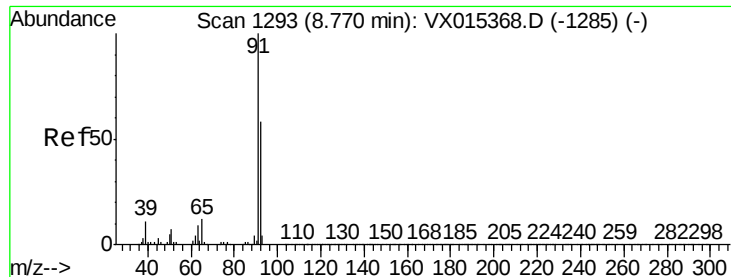
Tgt Ion: 43 Resp: 488040

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#





#52

Toluene

Concen: 1.366 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

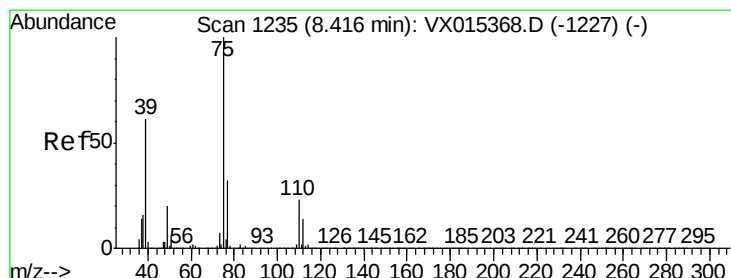
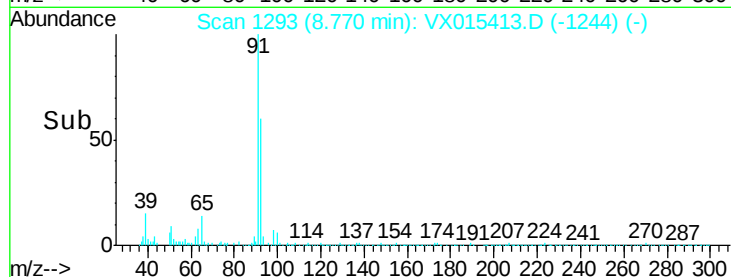
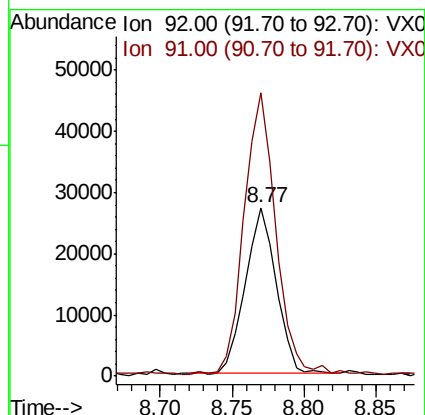
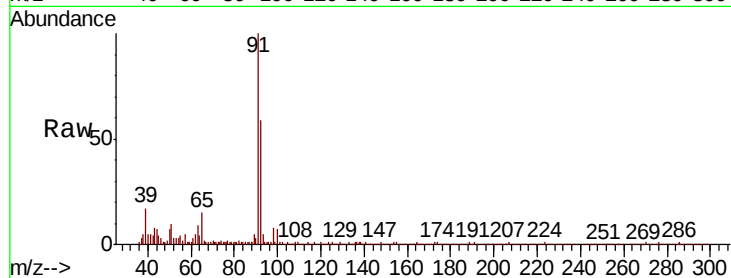
OIL-WATER-SEPARATOR

Tot Ion: 92 Resp: 40418

Ion Ratio Lower Upper

92 100

91 175.8 136.6 205.0



#54

cis-1,3-Dichloropropene

Concen: 5.556 ug/l

RT: 8.60 min Scan# 1265

Delta R.T. 0.18 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

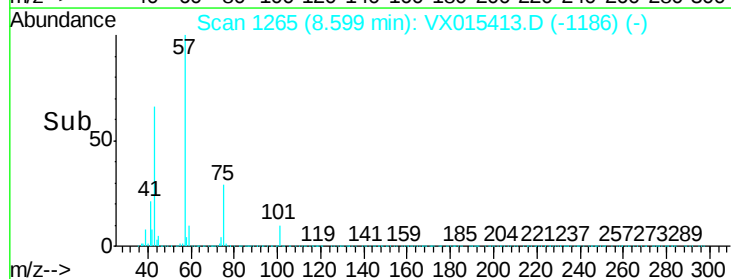
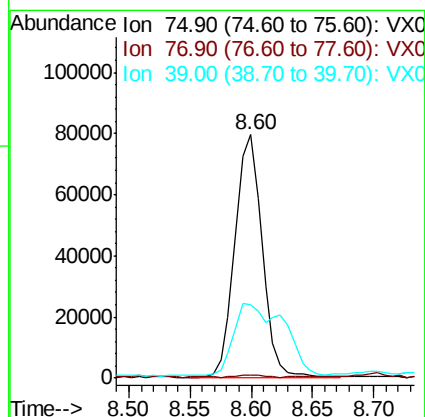
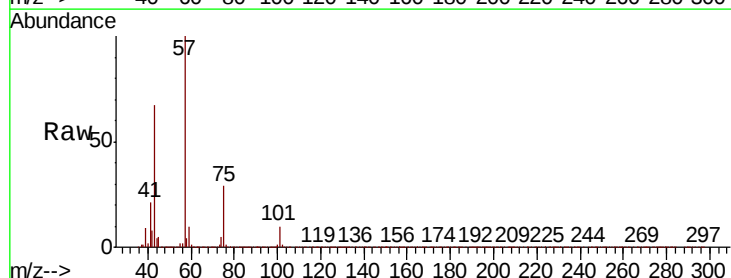
Tgt Ion: 75 Resp: 121857

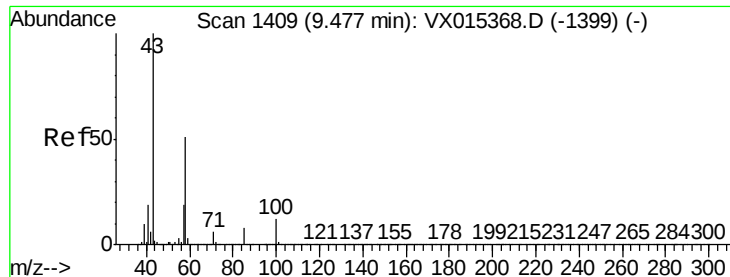
Ion Ratio Lower Upper

75 100

77 0.8 25.8 38.6#

39 28.9 49.0 73.4#

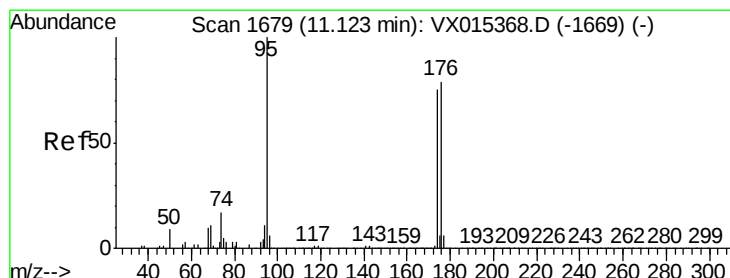
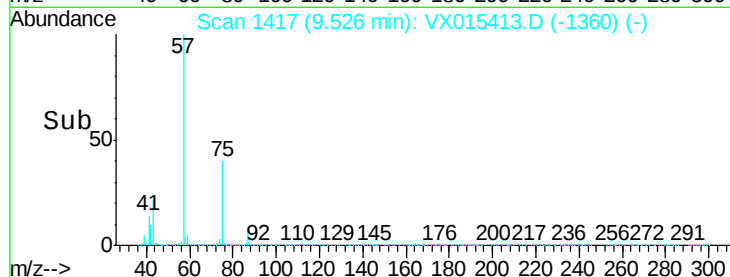
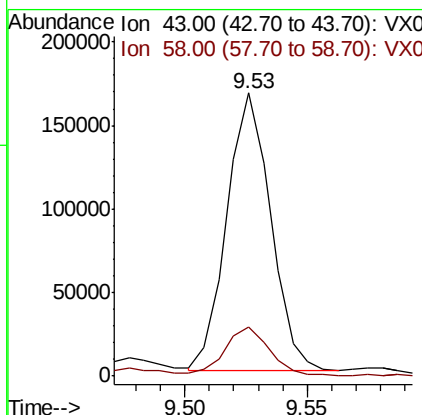
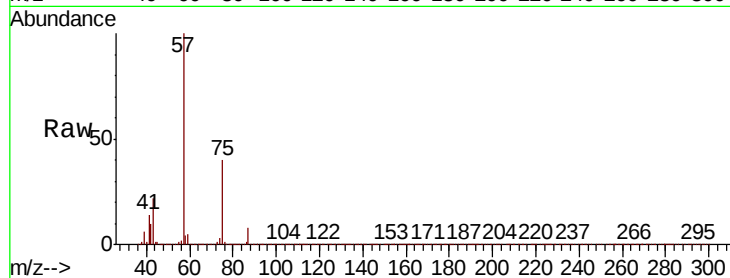




#59
2-Hexanone
Concen: 13.372 ug/l
RT: 9.53 min Scan# 1417
Delta R.T. 0.05 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

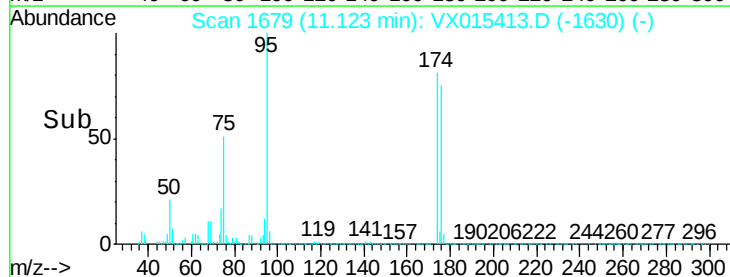
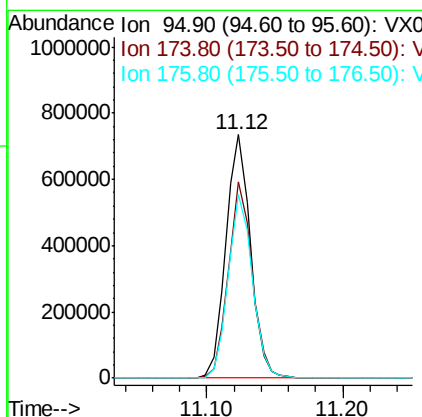
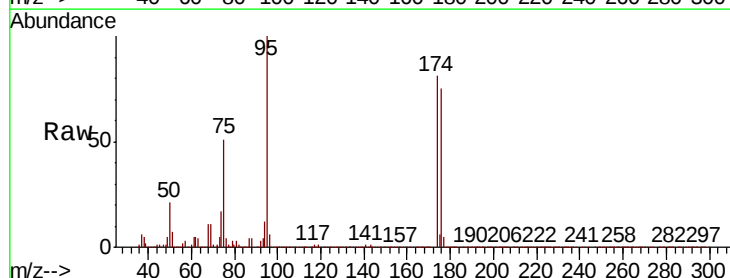
Instrument :
MSVOA_X
ClientSampleId :
OIL-WATER-SEPARATOR

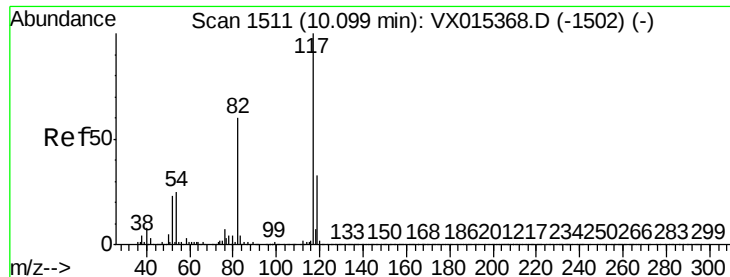
Tot Ion: 43 Resp: 206110
Ion Ratio Lower Upper
43 100
58 17.6 25.6 76.6#



#62
4-Bromofluorobenzene
Concen: 54.039 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

Tgt Ion: 95 Resp: 919377
Ion Ratio Lower Upper
95 100
174 78.8 0.0 158.6
176 74.8 0.0 159.0

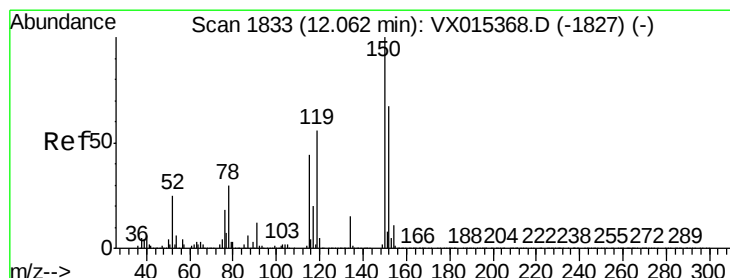
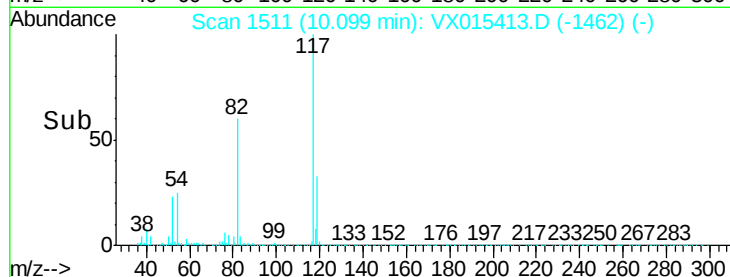
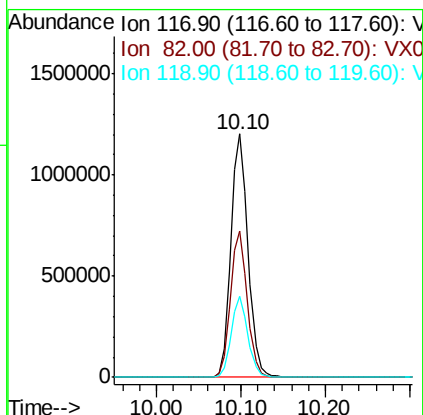
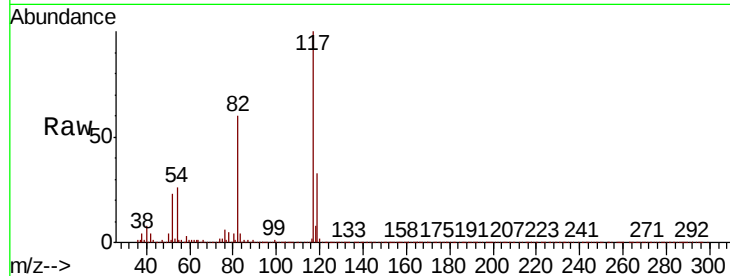




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

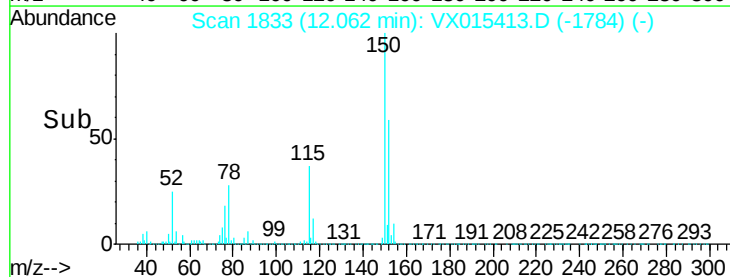
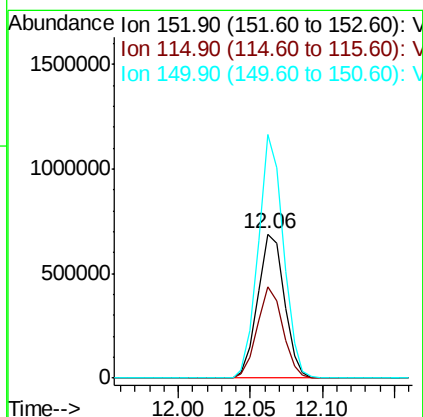
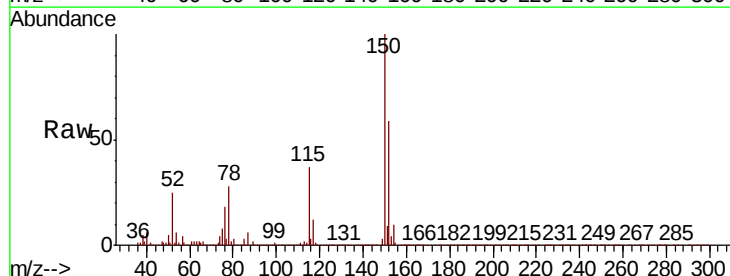
Instrument :
MSVOA_X
ClientSampleId :
OIL-WATER-SEPARATOR

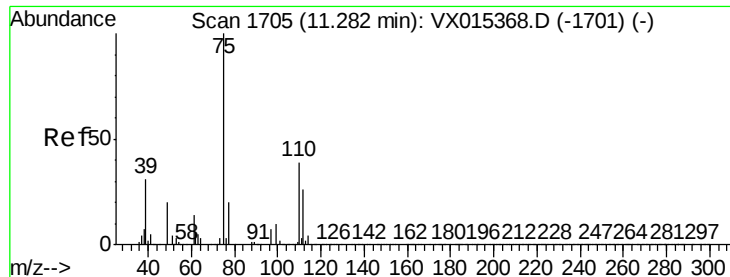
Tot Ion:117 Resp: 1661098
Ion Ratio Lower Upper
117 100
82 60.3 47.8 71.8
119 33.3 26.8 40.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015413.D
Acq: 28 Mar 2020 04:40

Tgt Ion:152 Resp: 876851
Ion Ratio Lower Upper
152 100
115 60.7 39.0 116.9
150 159.7 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 25.961 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

Instrument :

MSVOA_X

ClientSampleId :

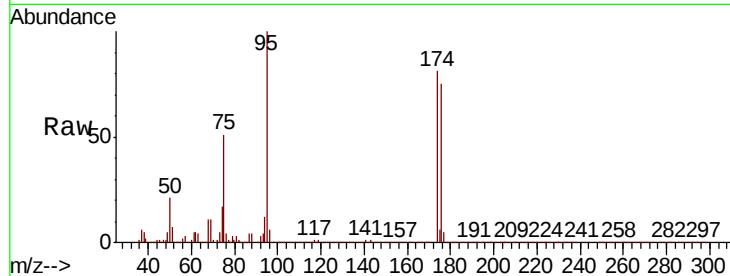
OIL-WATER-SEPARATOR

Tot Ion: 75 Resp: 468126

Ion Ratio Lower Upper

75 100

77 1.2 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

400000

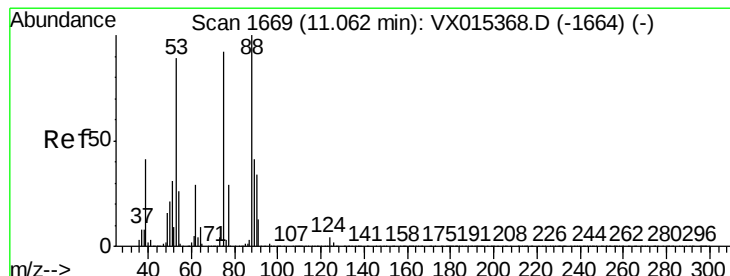
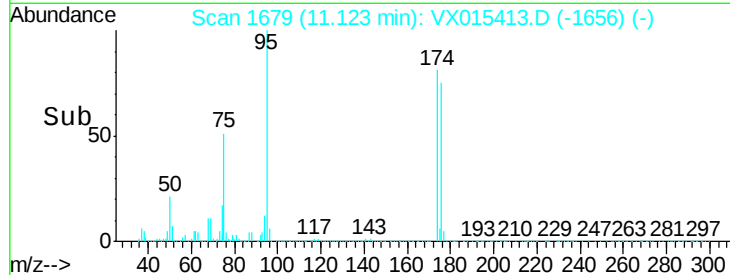
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 62.293 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015413.D

Acq: 28 Mar 2020 04:40

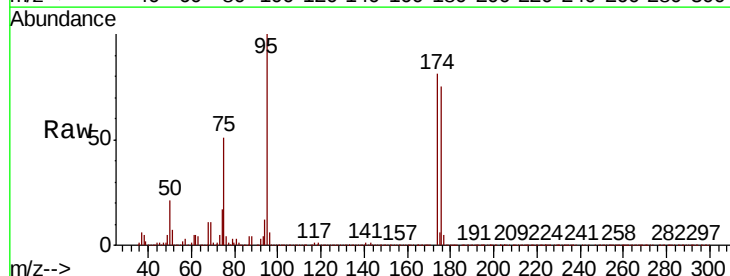
Tgt Ion: 75 Resp: 468126

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

500000

400000

300000

200000

100000

0

Time-->

