

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049230.D
 Acq On : 14 Jun 2018 16:16
 Operator : MD\SY
 Sample : J3435-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 17:02:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	657064	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1185776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1241224	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	572803	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	404979	38.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.34%	
35) Dibromofluoromethane	7.59	113	363951	37.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	74.16%	
50) Toluene-d8	10.09	98	1510801	39.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.14%	
62) 4-Bromofluorobenzene	12.40	95	610813	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	

Target Compounds

					Qvalue
5) Bromomethane	2.57	94	2461	0.222	ug/l 88
11) Tert butyl alcohol	4.80	59	2519	4.356	ug/l # 70
13) Acrolein	3.56	56	17120	21.743	ug/l # 1
14) Allyl chloride	4.41	41	201755	13.091	ug/l # 60
15) Acrylonitrile	5.05	53	133002	42.729	ug/l # 32
16) Acetone	3.80	43	632765	249.601	ug/l # 59
17) Carbon Disulfide	4.05	76	39200	1.400	ug/l 95
18) Methyl Acetate	4.39	43	112098	13.266	ug/l # 55
20) Methylene Chloride	4.41	84	33894	3.292	ug/l # 11
23) Vinyl Acetate	5.92	43	25385	1.248	ug/l # 84
25) 2-Butanone	6.84	43	144118	39.702	ug/l # 88
26) 2,2-Dichloropropane	6.62	77	50879	3.701	ug/l # 54
30) Chloroform	7.32	83	70941	4.027	ug/l # 18
31) Cyclohexane	7.65	56	3332599	212.341	ug/l 98
36) 1,1-Dichloropropene	7.66	75	54720	3.694	ug/l # 34
37) Ethyl Acetate	6.84	43	144118	15.410	ug/l # 70
38) Carbon Tetrachloride	7.67	117	61009	4.088	ug/l # 16
39) Methylcyclohexane	9.08	83	1370816	89.573	ug/l 99
41) Methacrylonitrile	7.18	41	9846	1.861	ug/l # 100
42) 1,2-Dichloroethane	8.17	62	6045	0.408	ug/l # 1
43) Isopropyl Acetate	8.15	43	152721	8.881	ug/l # 64
45) 1,2-Dichloropropane	9.08	63	17986	1.457	ug/l # 1
47) Bromodichloromethane	9.39	83	25232	1.642	ug/l # 26
48) Methyl methacrylate	9.14	41	32427	3.859	ug/l # 14
51) 4-Methyl-2-Pentanone	9.99	43	14809	1.617	ug/l # 75
52) Toluene	10.16	92	775529	29.696	ug/l 98
55) 1,1,2-Trichloroethane	10.53	97	119076	12.424	ug/l # 18
56) Ethyl methacrylate	10.43	69	18479	1.599	ug/l # 14
58) 2-Chloroethyl Vinyl ether	9.71	63	314	13.252	ug/l # 51
59) 2-Hexanone	10.76	43	8332	1.460	ug/l 96
67) Ethyl Benzene	11.63	91	12476574	225.862	ug/l # 66
68) m/p-Xylenes	11.63	106	5983537	296.209	ug/l 100
69) o-Xylene	11.95	106	2075927	106.710	ug/l 99
70) Styrene	11.95	104	119519	3.881	ug/l # 1

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 Sample : J3435-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

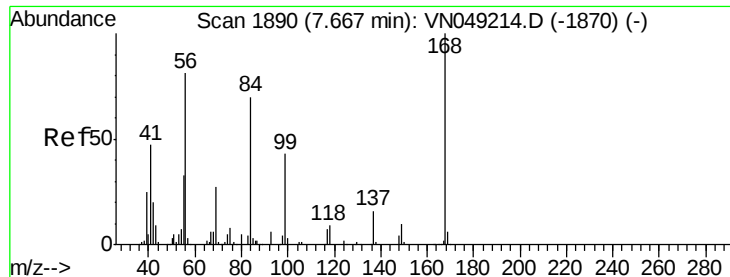
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 17:02:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

71) Bromoform	12.40	173	3690	0.485	ug/l #	1
73) Isopropylbenzene	12.25	105	1289830	23.444	ug/l	99
74) N-amyl acetate	12.08	43	3183	0.203	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	12.53	83	1284	Below Cal	#	80
76) 1,2,3-Trichloropropane	12.59	75	18278	Below Cal	#	100
77) Bromobenzene	12.53	156	328	Below Cal	#	10
78) n-propylbenzene	12.59	91	3082947	50.442	ug/l	99
79) 2-Chlorotoluene	12.69	91	264741	6.868	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	1377661	32.658	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.25	75	16448	4.798	ug/l #	58
82) 4-Chlorotoluene	12.73	91	145878	3.990	ug/l #	42
83) tert-Butylbenzene	13.04	119	1258849	34.642	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	10400344	248.045	ug/l	100
85) sec-Butylbenzene	13.04	105	10400344	214.679	ug/l #	57
86) p-Isopropyltoluene	13.29	119	90191	2.299	ug/l #	76
89) n-Butylbenzene	13.54	91	2307294	66.652	ug/l #	46
90) Hexachloroethane	13.89	117	193120	23.435	ug/l #	9
91) 1,2-Dichlorobenzene	13.66	146	5248	0.248	ug/l #	36
92) 1,2-Dibromo-3-Chloropropan	14.25	75	6526	3.410	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.92	180	1439	4.527	ug/l #	86
95) Naphthalene	15.14	128	2368875	111.608	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

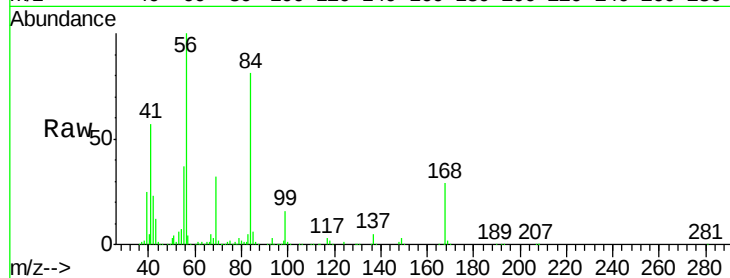
ClientSampled :

Tot Ion:168 Resp: 657064

Ion Ratio Lower Upper

168 100

99 55.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049230.D

Ion 98.90 (98.60 to 99.60): VN049230.D

7.67

250000

200000

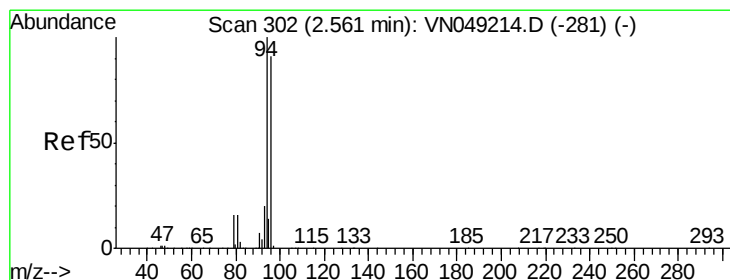
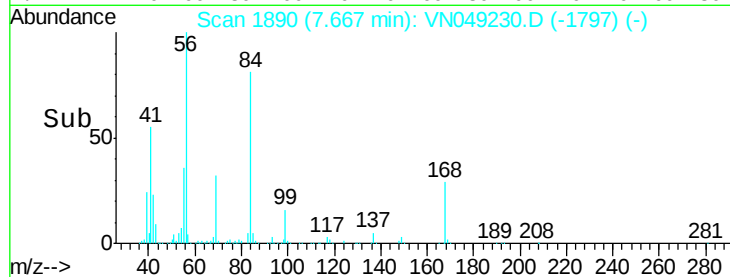
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.222 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049230.D

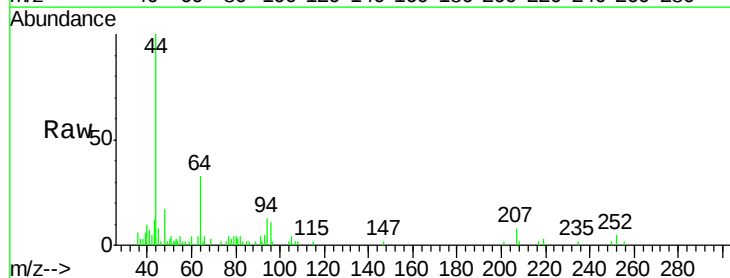
Acq: 14 Jun 2018 16:16

Tgt Ion: 94 Resp: 2461

Ion Ratio Lower Upper

94 100

96 79.9 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN049230.D

Ion 95.90 (95.60 to 96.60): VN049230.D

2.57

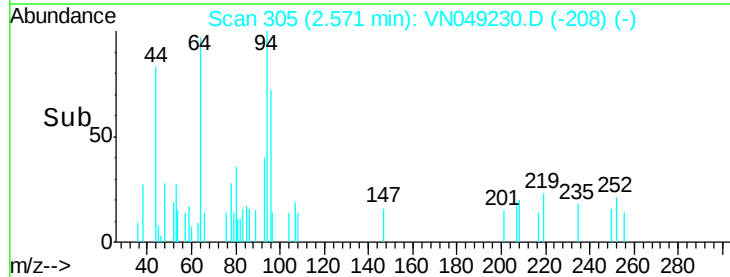
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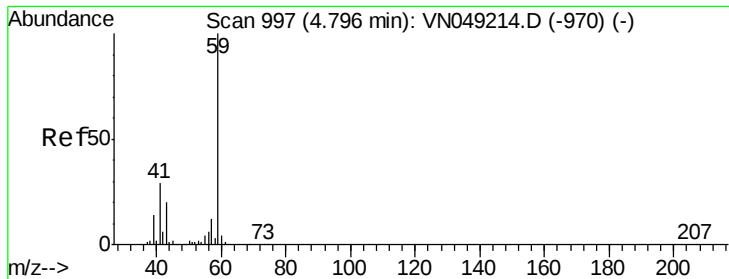
1000

500

0

Time-->



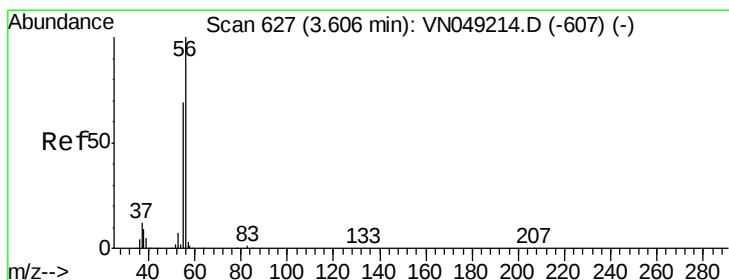
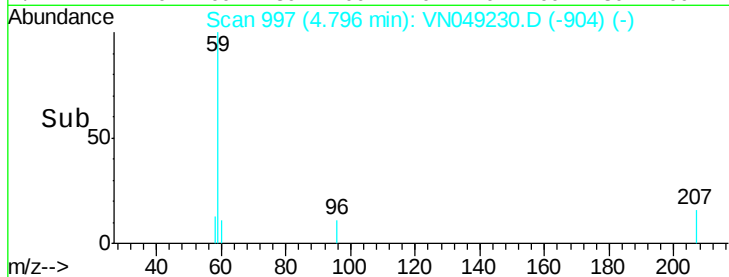
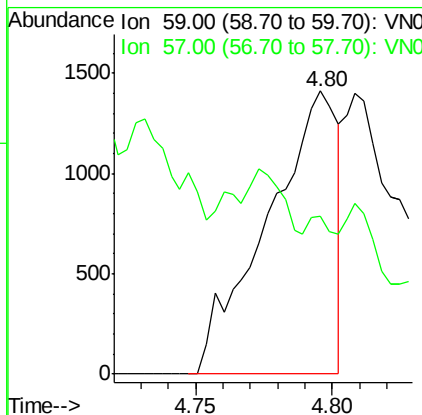
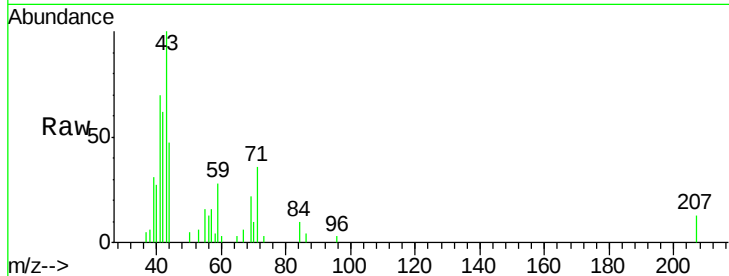


#11

Tert butyl alcohol
Concen: 4.356 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampled :

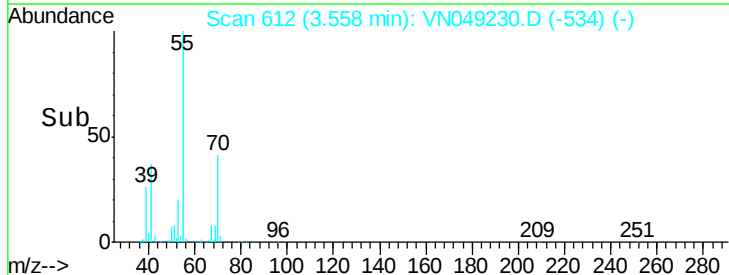
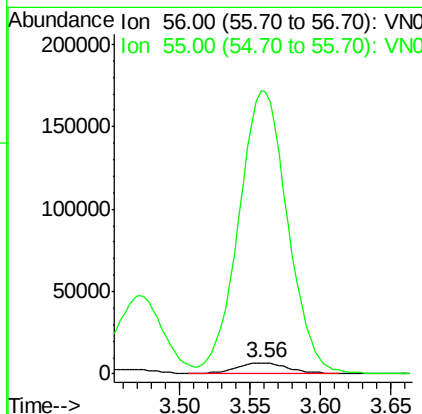
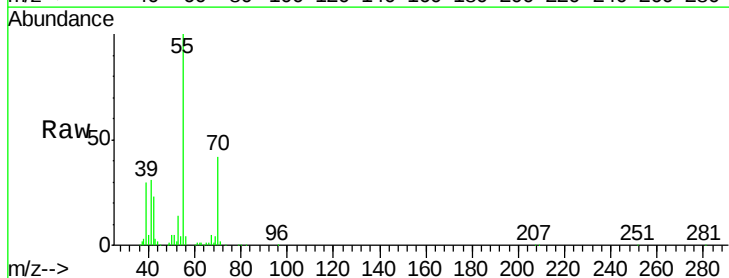
Tot Ion: 59 Resp: 2519
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#

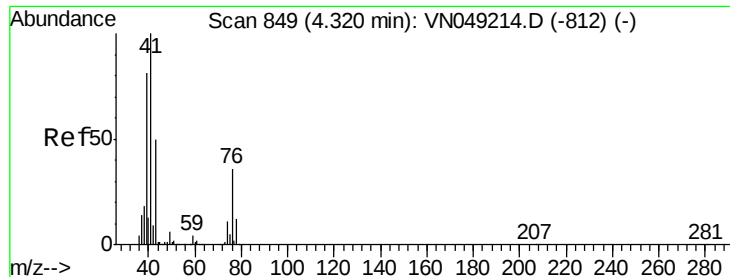


#13

Acrolein
Concen: 21.743 ug/l
RT: 3.56 min Scan# 612
Delta R.T. -0.05 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Tgt Ion: 56 Resp: 17120
Ion Ratio Lower Upper
56 100
55 2425.4 57.1 85.7#





#14

Allvl chloride

Concen: 13.091 ug/l

RT: 4.41 min Scan# 878

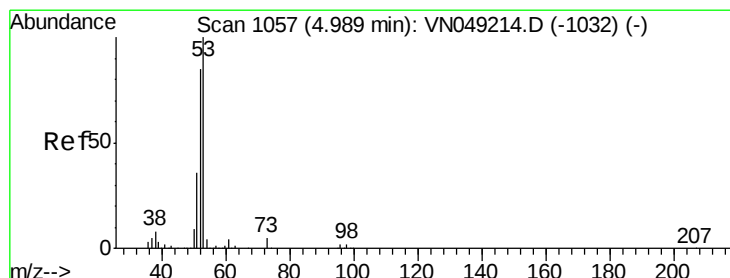
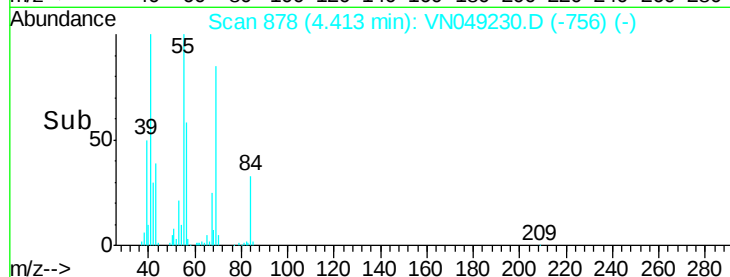
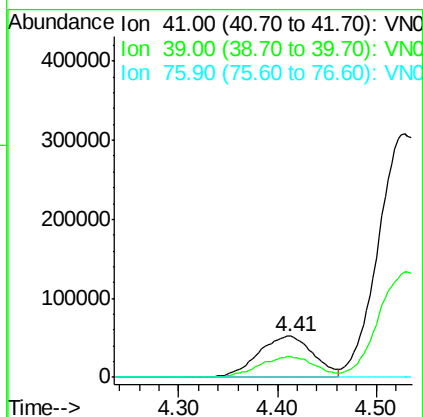
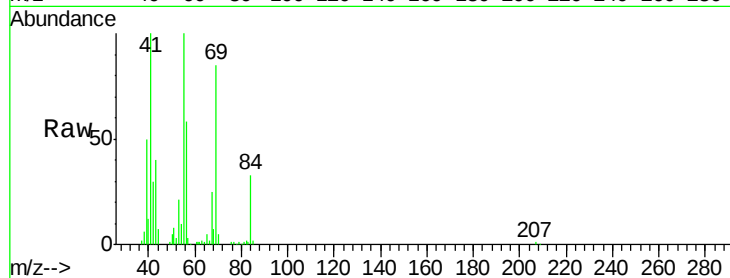
Delta R.T. 0.09 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	201755
Ion	Ratio	Lower	Upper
41	100		
39	50.4	62.5	93.7#
76	0.0	27.1	40.7#



#15

Acrylonitrile

Concen: 42.729 ug/l

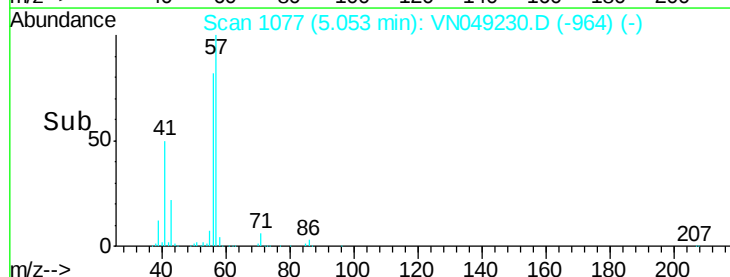
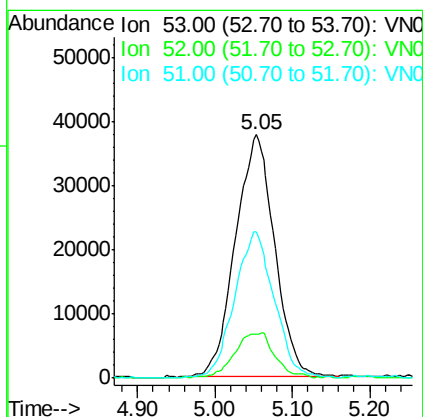
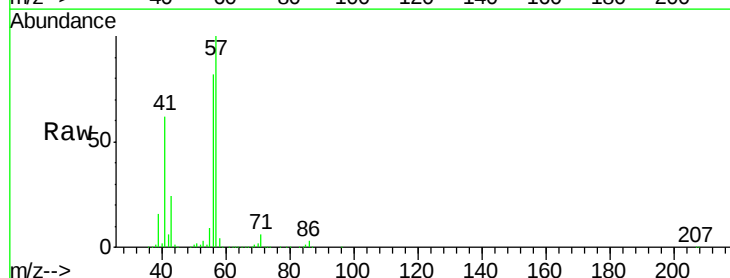
RT: 5.05 min Scan# 1077

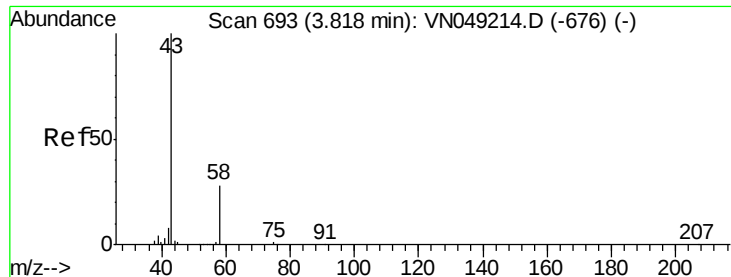
Delta R.T. 0.06 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Tgt Ion:	53	Resp:	133002
Ion	Ratio	Lower	Upper
53	100		
52	10.9	66.6	100.0#
51	61.2	29.8	44.8#





#16

Acetone

Concen: 249.601 ug/l

RT: 3.80 min Scan# 686

Delta R.T. -0.02 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

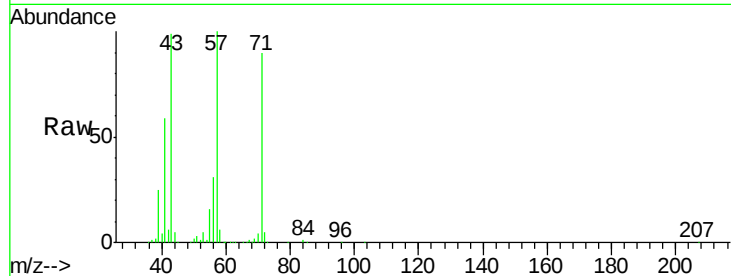
ClientSampleId :

Tot Ion: 43 Resp: 632765

Ion Ratio Lower Upper

43 100

58 6.4 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN049214.D (-676) (-)

Ion 58.00 (57.70 to 58.70): VN049214.D (-676) (-)

3.80

200000

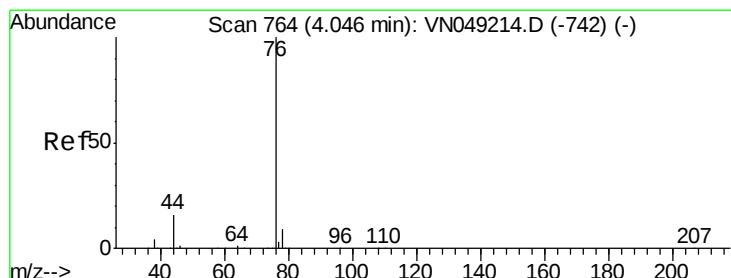
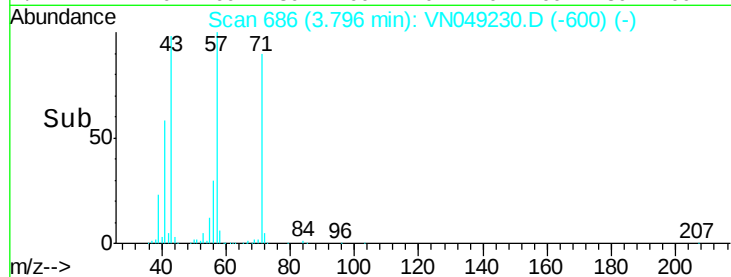
150000

100000

50000

0

Time--> 3.60 3.70 3.80 3.90 4.00



#17

Carbon Disulfide

Concen: 1.400 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049230.D

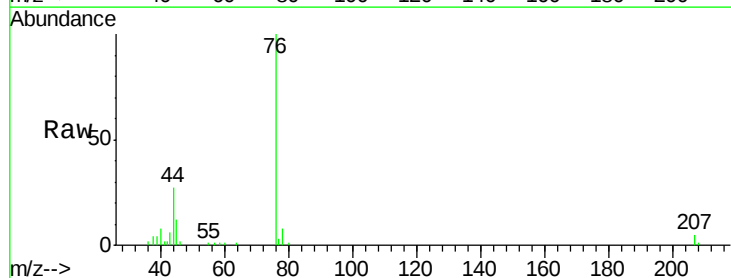
Acq: 14 Jun 2018 16:16

Tgt Ion: 76 Resp: 39200

Ion Ratio Lower Upper

76 100

78 7.5 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN049214.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN049214.D (-742) (-)

4.05

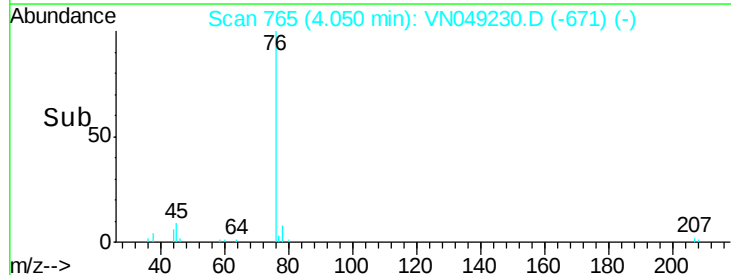
15000

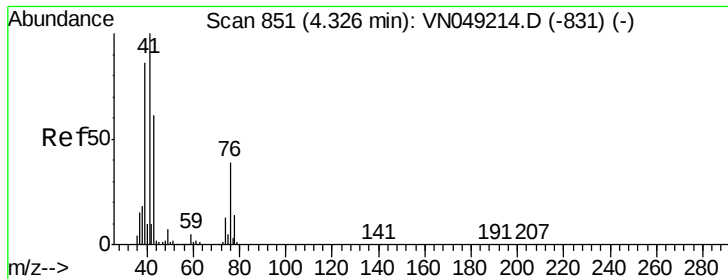
10000

5000

0

Time--> 3.95 4.00 4.05 4.10

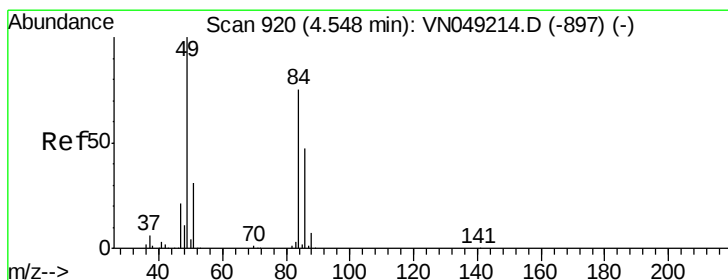
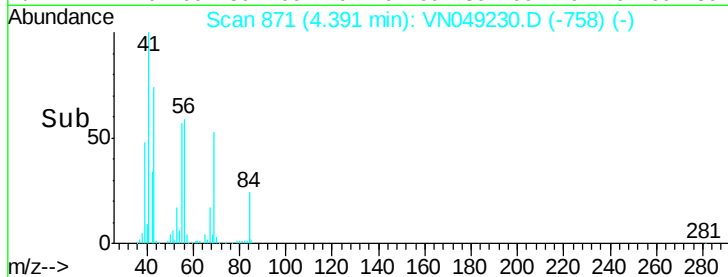
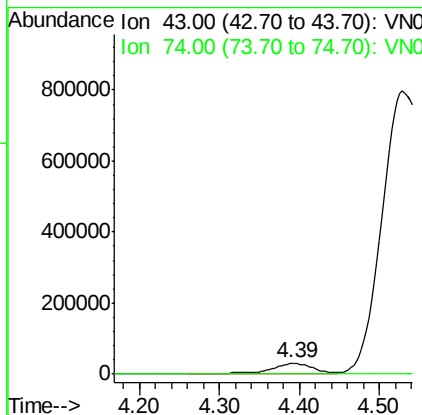
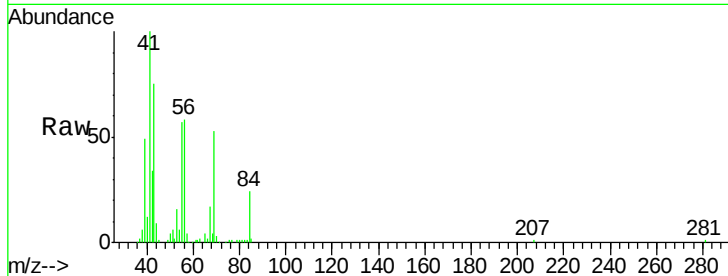




#18
Methvl Acetate
Concen: 13.266 ug/l
RT: 4.39 min Scan# 871
Delta R.T. 0.06 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

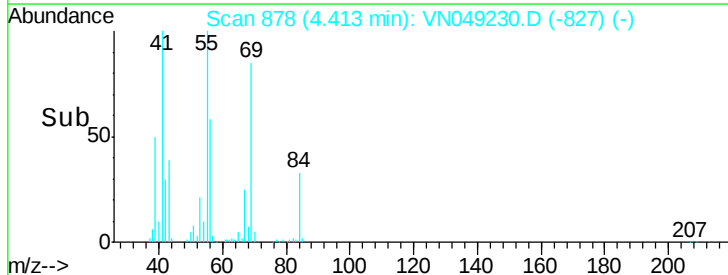
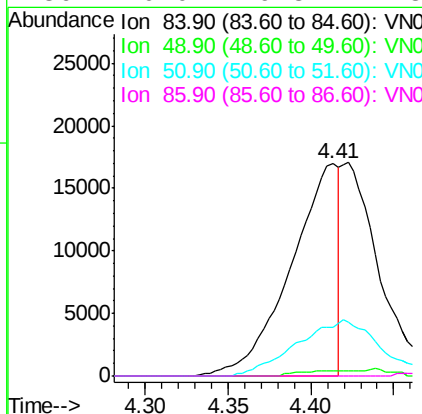
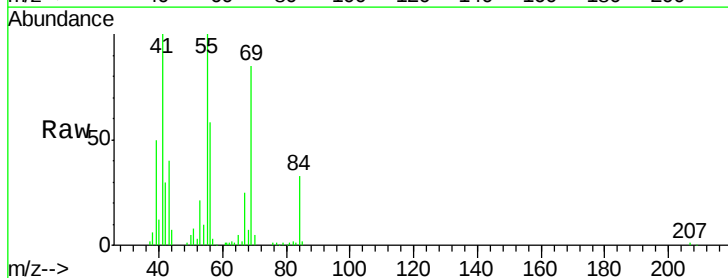
Instrument :
MSVOA_N
ClientSampleId :

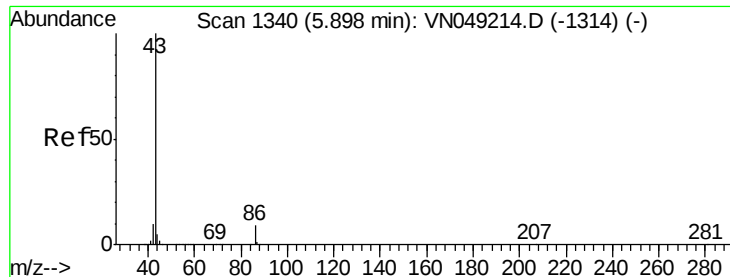
Tot Ion: 43 Resp: 112098
Ion Ratio Lower Upper
43 100
74 0.1 17.4 26.0#



#20
Methylene Chloride
Concen: 3.292 ug/l
RT: 4.41 min Scan# 878
Delta R.T. -0.13 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Tgt Ion: 84 Resp: 33894
Ion Ratio Lower Upper
84 100
49 2.3 106.9 160.3#
51 23.1 32.7 49.1#
86 0.0 49.8 74.8#

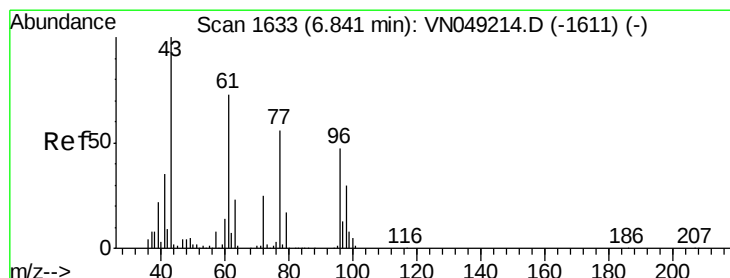
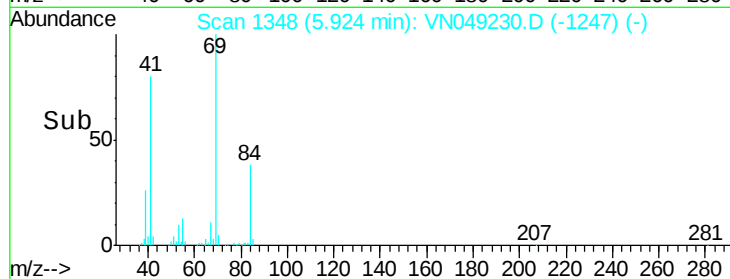
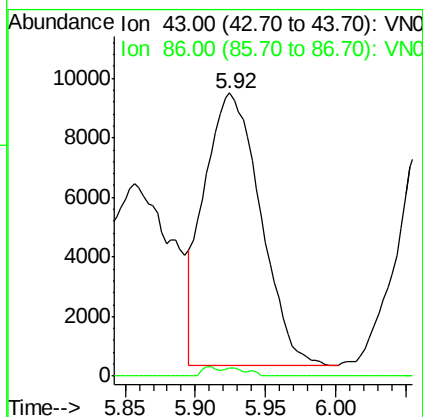
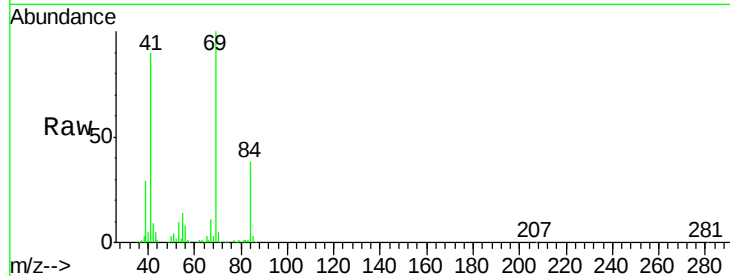




#23
 Vinyl Acetate
 Concen: 1.248 ug/l
 RT: 5.92 min Scan# 1348
 Delta R.T. 0.03 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

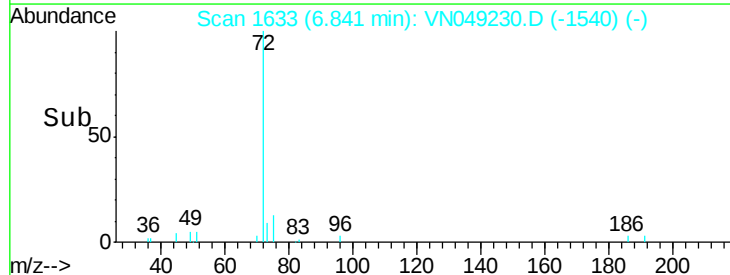
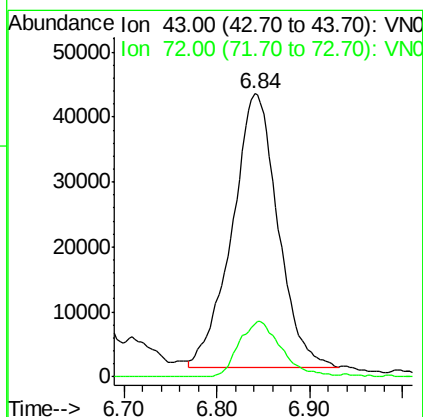
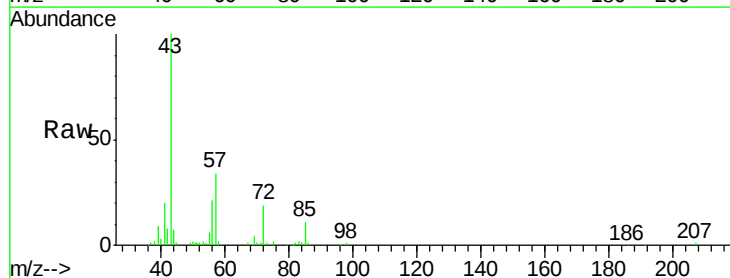
Instrument :
 MSVOA_N
 ClientSampled :

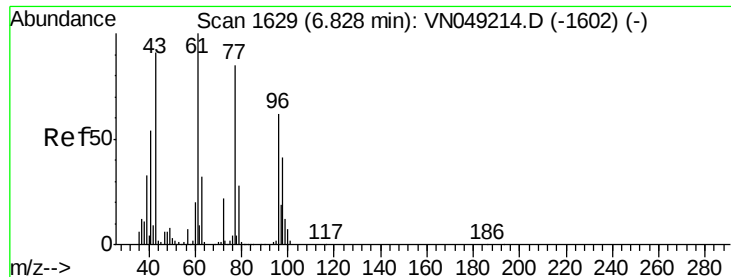
Tot Ion: 43 Resp: 25385
 Ion Ratio Lower Upper
 43 100
 86 3.1 7.2 10.8#



#25
 2-Butanone
 Concen: 39.702 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

Tgt Ion: 43 Resp: 144118
 Ion Ratio Lower Upper
 43 100
 72 19.3 20.2 30.2#

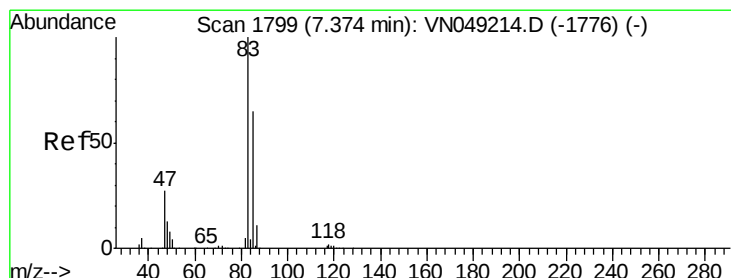
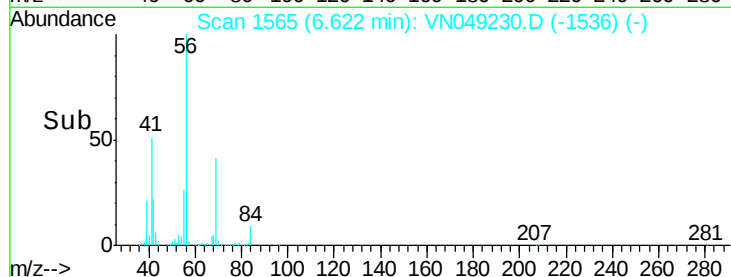
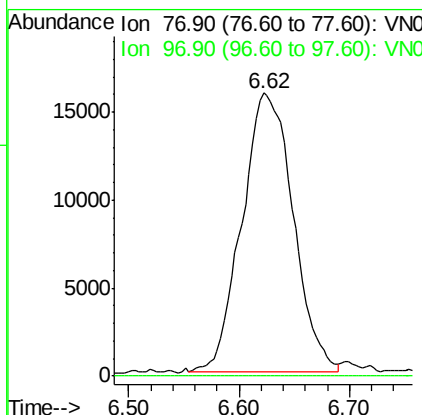
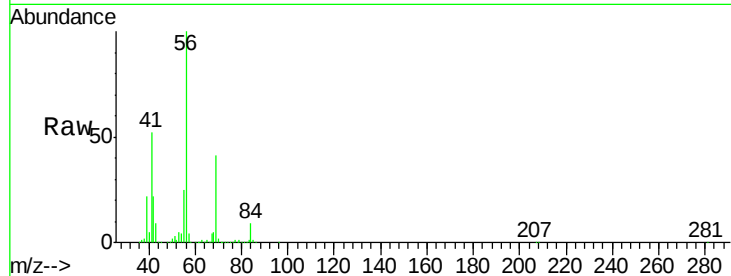




#26
 2,2-Dichloropropane
 Concen: 3.701 ug/l
 RT: 6.62 min Scan# 1565
 Delta R.T. -0.21 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

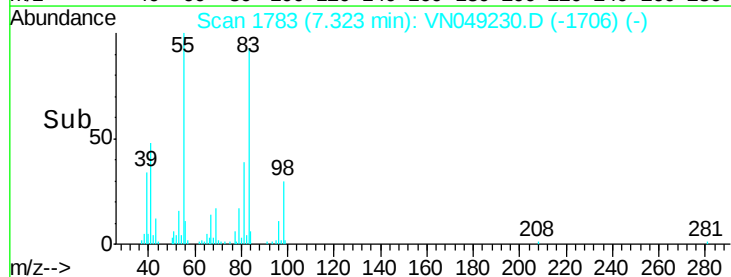
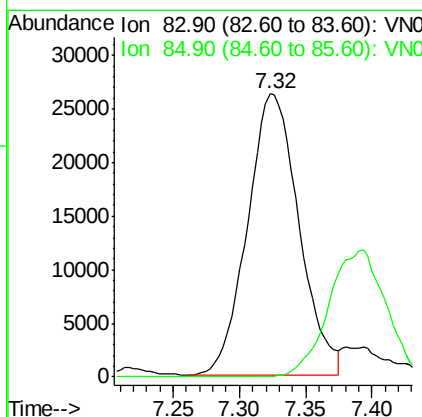
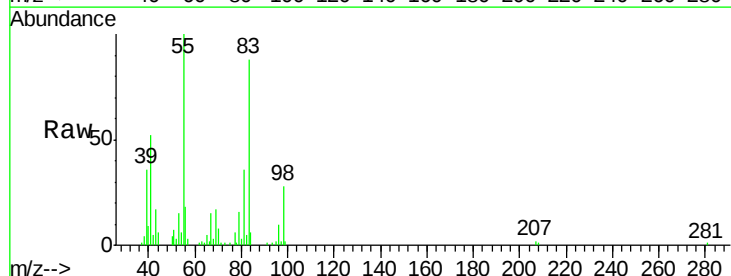
Instrument :
 MSVOA_N
 ClientSampled :

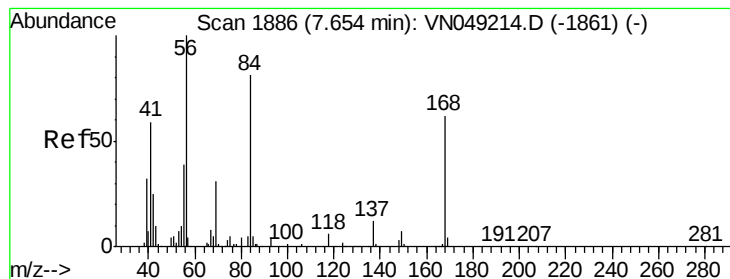
Tot Ion: 77 Resp: 50879
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.0 33.0#



#30
 Chloroform
 Concen: 4.027 ug/l
 RT: 7.32 min Scan# 1783
 Delta R.T. -0.05 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

Tgt Ion: 83 Resp: 70941
 Ion Ratio Lower Upper
 83 100
 85 0.0 51.7 77.5#





#31

Cyclohexane

Concen: 212.341 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

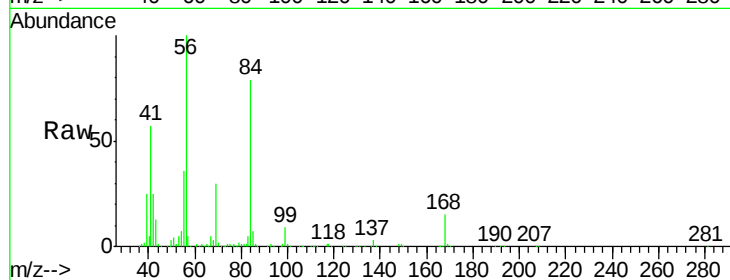
Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3332599

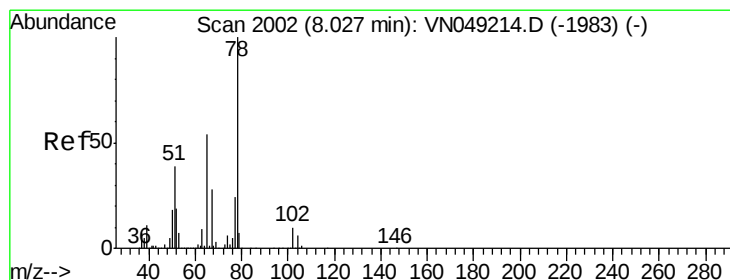
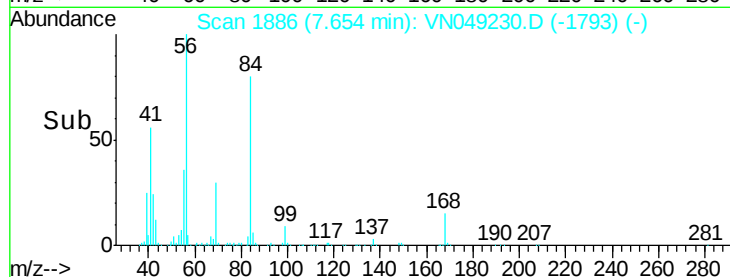
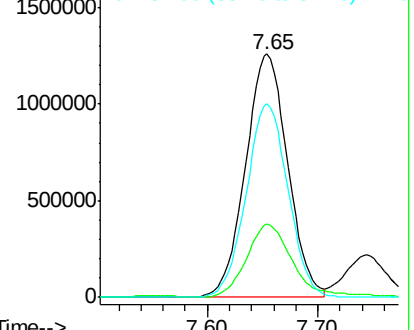
Ion	Ratio	Lower	Upper
56	100		
69	29.6	25.0	37.4
84	79.5	64.6	96.8



Abundance Ion 56.00 (55.70 to 56.70): VN049230.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049230.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049230.D (-1793) (-)



#33

1,2-Dichloroethane-d4

Concen: 38.172 ug/l

RT: 8.03 min Scan# 2002

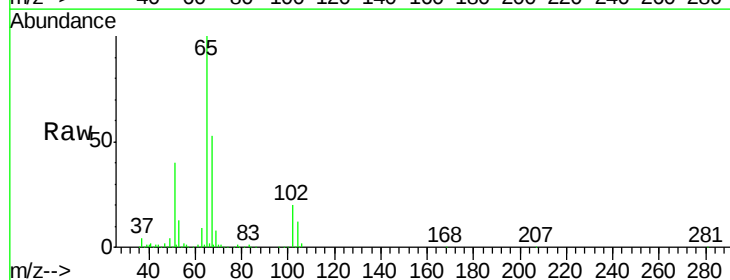
Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

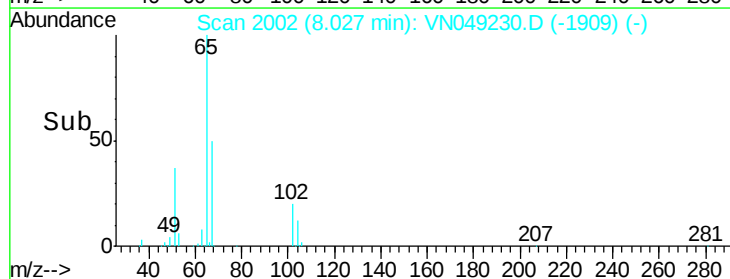
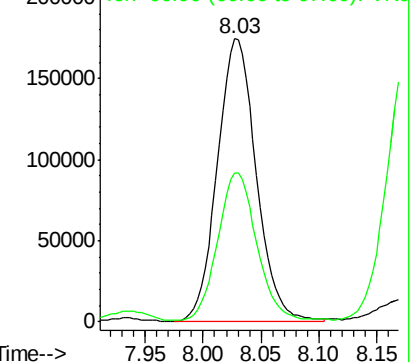
Tgt Ion: 65 Resp: 404979

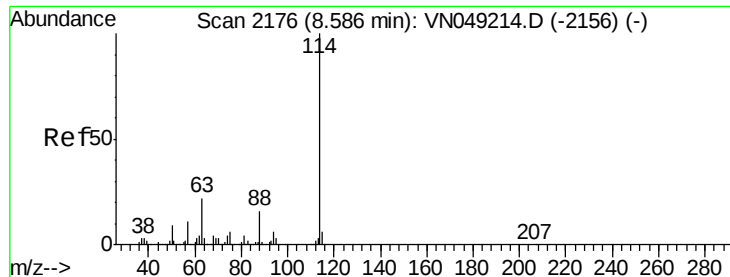
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049230.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049230.D (-1909) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

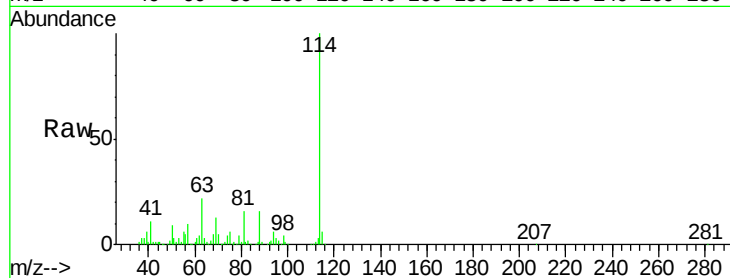
Tot Ion:114 Resp: 1185776

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.4

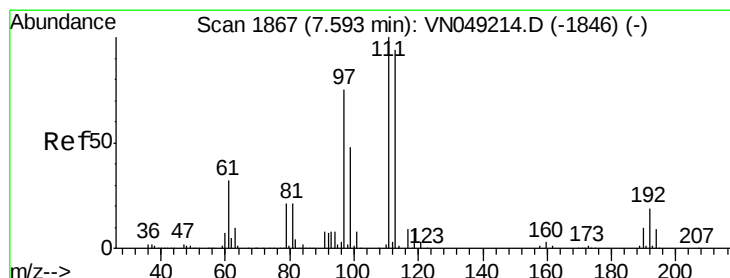
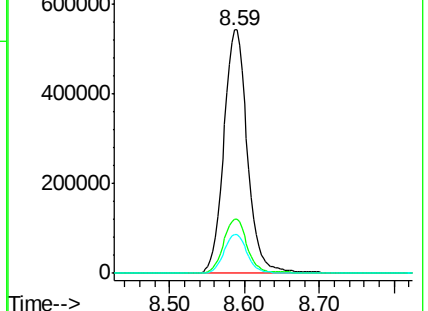
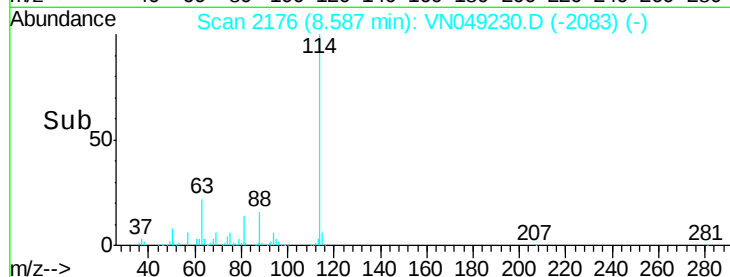
88 16.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 37.083 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

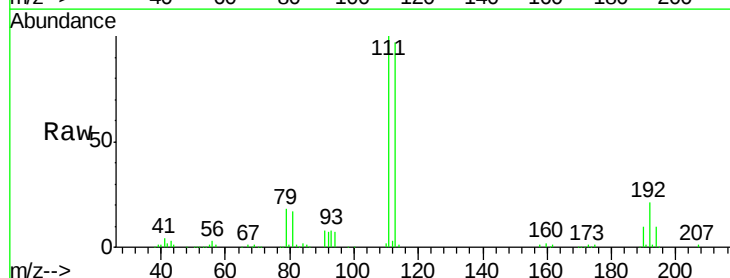
Tgt Ion:113 Resp: 363951

Ion Ratio Lower Upper

113 100

111 103.6 82.4 123.6

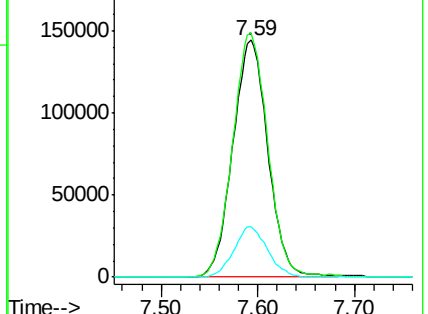
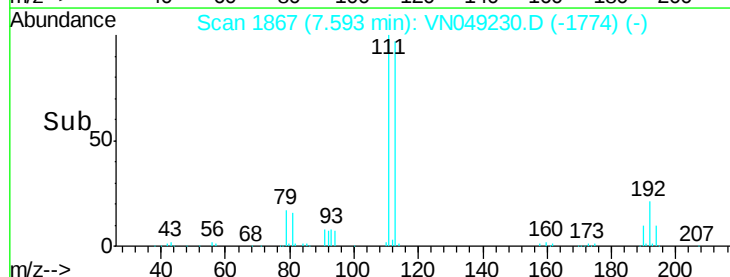
192 20.5 15.0 22.6

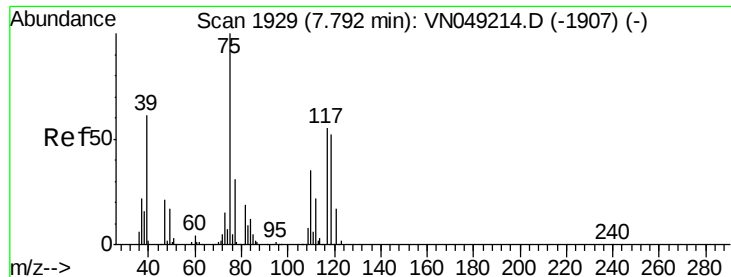


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

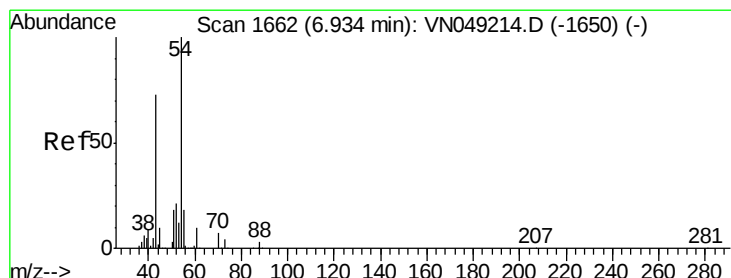
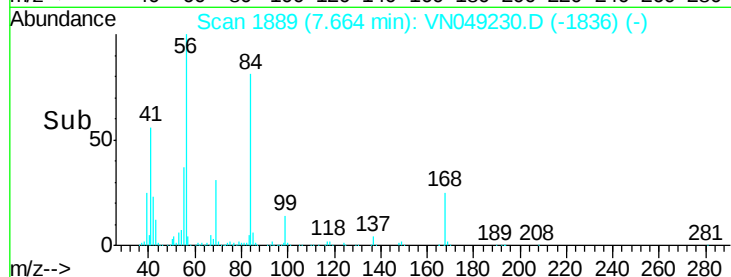
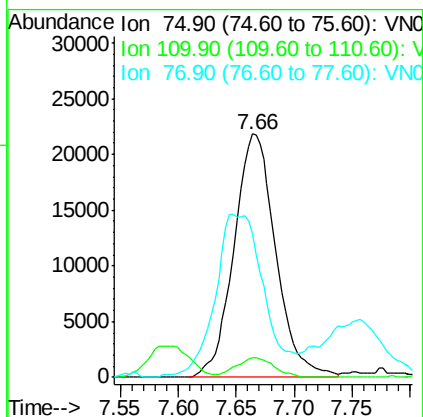
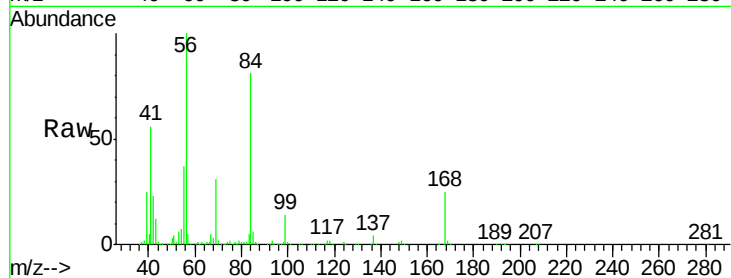




#36
 1,1-Dichloropropene
 Concen: 3.694 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

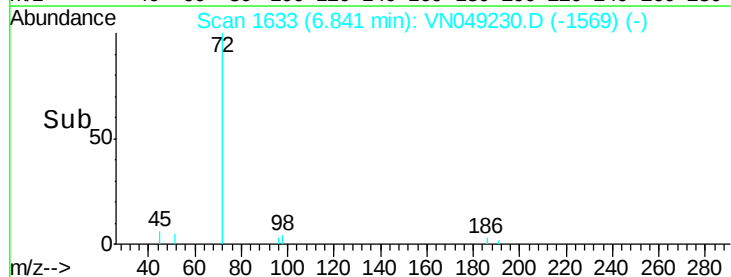
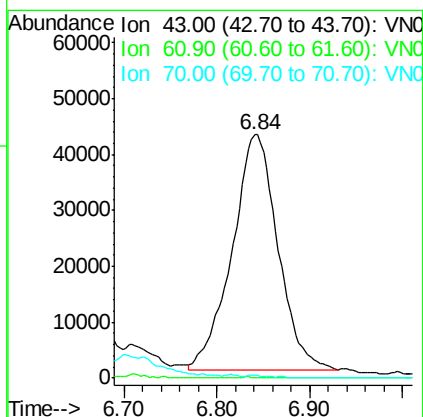
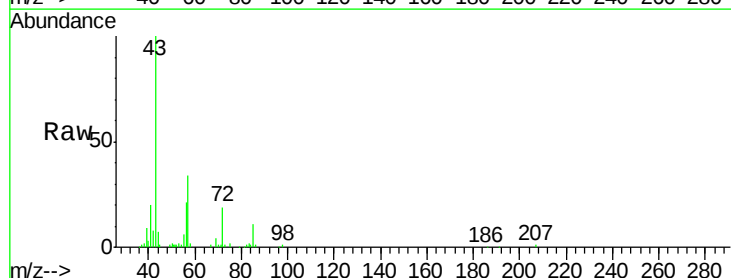
Instrument :
 MSVOA_N
 ClientSampleId :

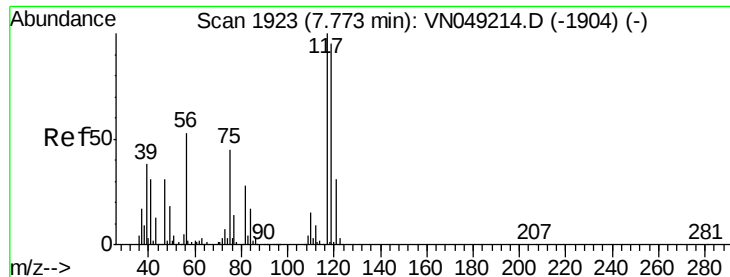
Tot Ion: 75 Resp: 54720
 Ion Ratio Lower Upper
 75 100
 110 7.4 17.0 50.9#
 77 78.0 24.4 36.6#



#37
 Ethyl Acetate
 Concen: 15.410 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. -0.09 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

Tgt Ion: 43 Resp: 144118
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.0 16.4#
 70 0.0 7.2 10.8#

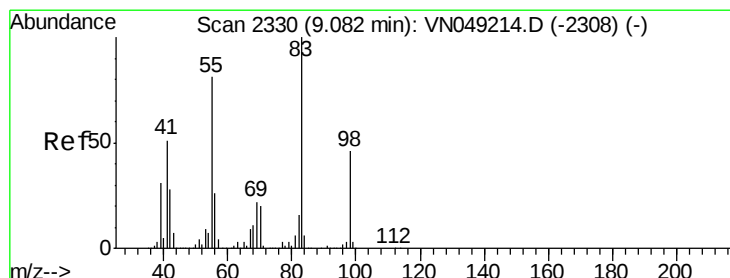
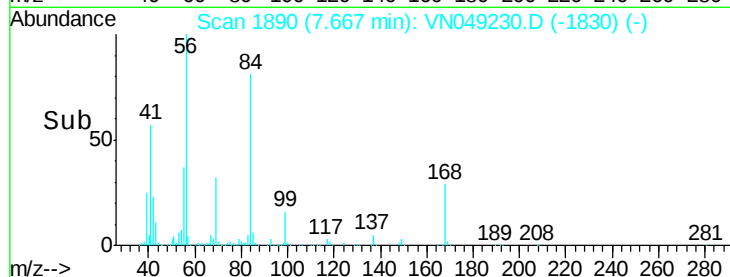
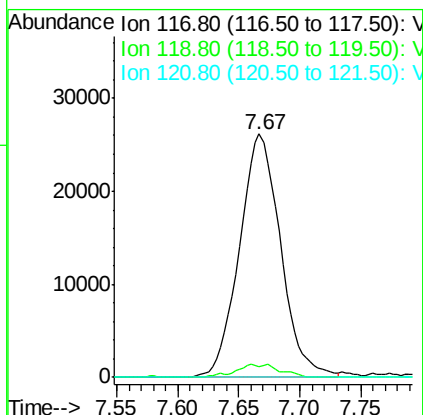
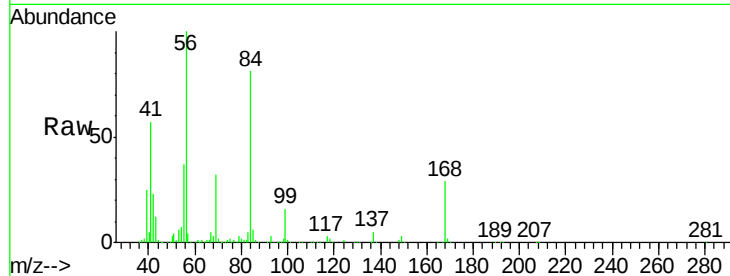




#38
Carbon Tetrachloride
Concen: 4.088 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

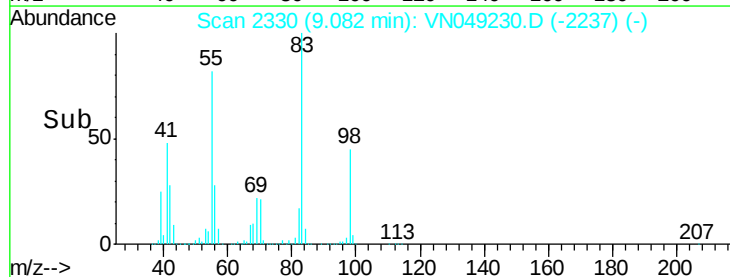
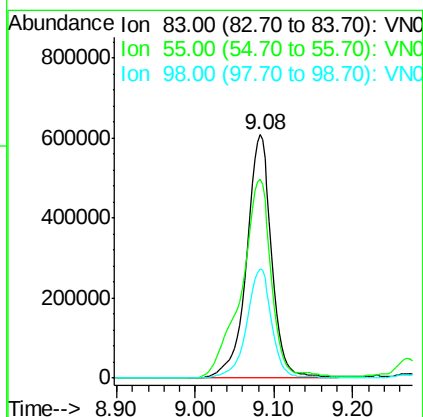
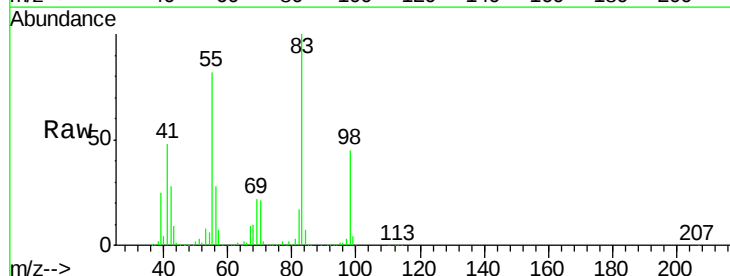
Instrument :
MSVOA_N
ClientSampleId :

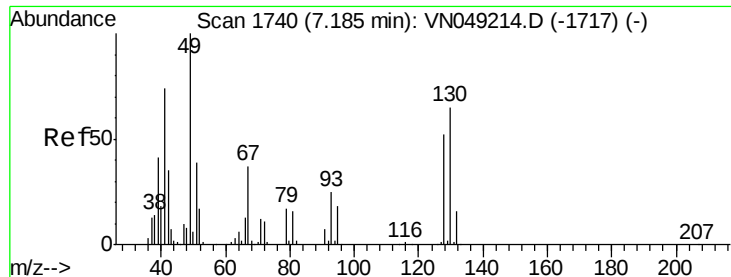
Tot Ion:117 Resp: 61009
Ion Ratio Lower Upper
117 100
119 4.6 75.6 113.4#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 89.573 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Tgt Ion: 83 Resp: 1370816
Ion Ratio Lower Upper
83 100
55 81.6 65.1 97.7
98 44.8 36.5 54.7





#41

Methacrylonitrile

Concen: 1.861 ug/l

RT: 7.18 min Scan# 1739

Delta R.T. -0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 9846

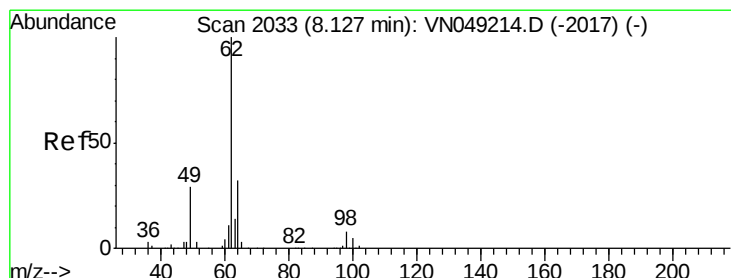
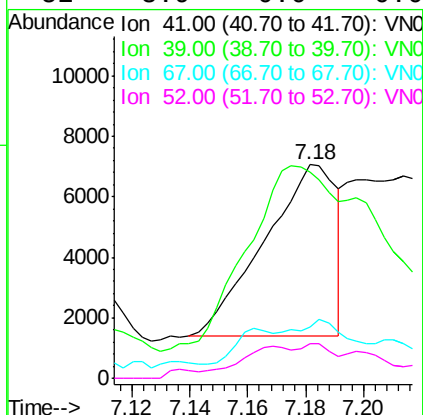
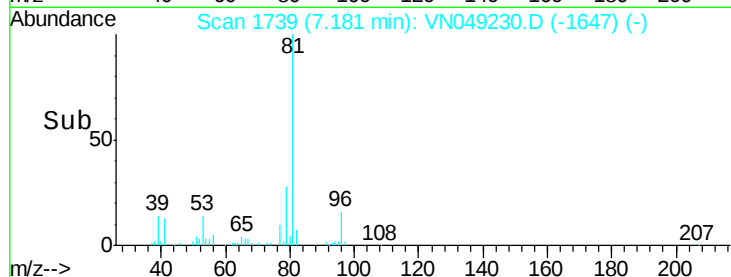
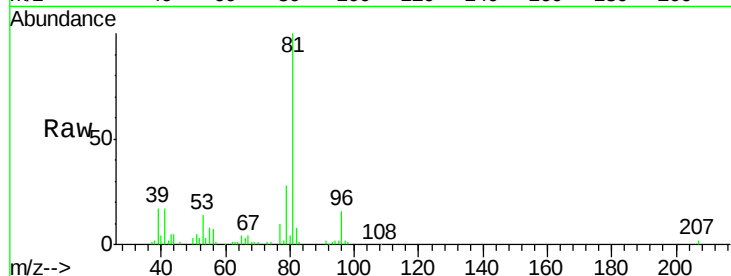
Ion Ratio Lower Upper

41 100

39 250.8 0.0 0.0#

67 0.0 0.0 0.0

52 8.9 0.0 0.0#



#42

1,2-Dichloroethane

Concen: 0.408 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.04 min

Lab File: VN049230.D

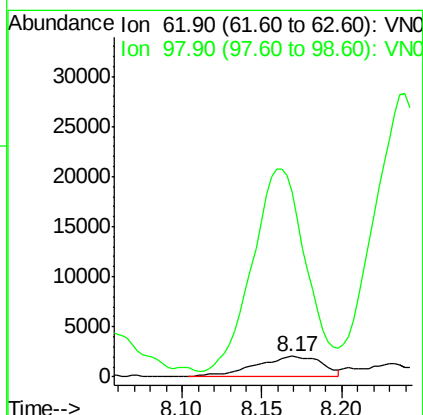
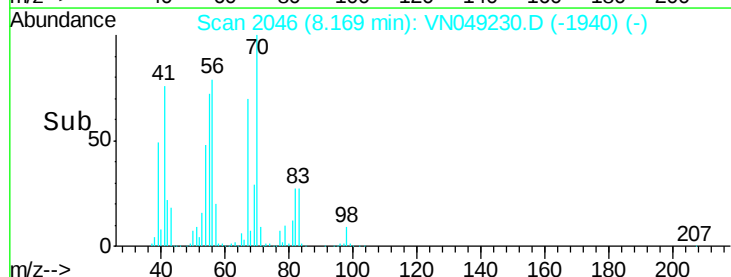
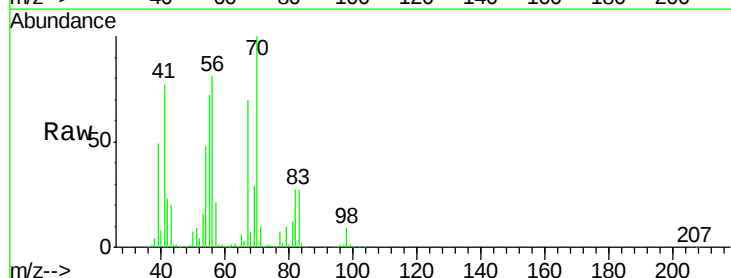
Acq: 14 Jun 2018 16:16

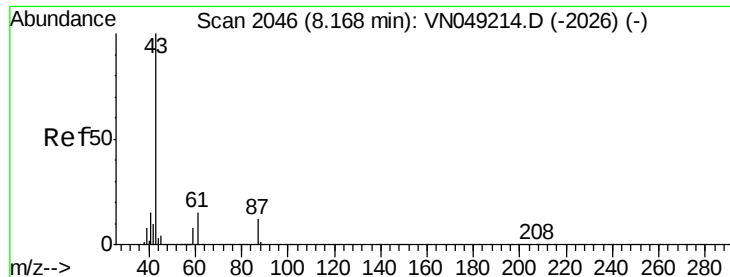
Tgt Ion: 62 Resp: 6045

Ion Ratio Lower Upper

62 100

98 769.2 0.0 16.2#





#43

Isopropyl Acetate

Concen: 8.881 ug/l

RT: 8.15 min Scan# 2041

Delta R.T. -0.02 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampled :

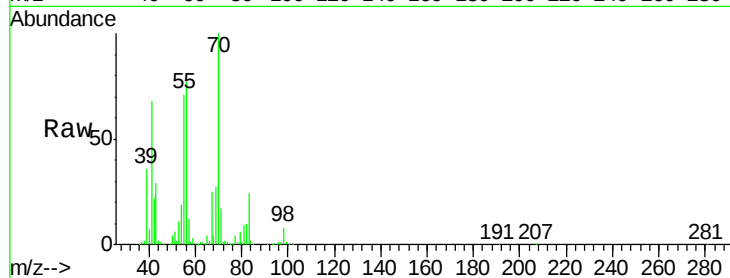
Tot Ion: 43 Resp: 152721

Ion Ratio Lower Upper

43 100

61 0.3 14.2 21.4#

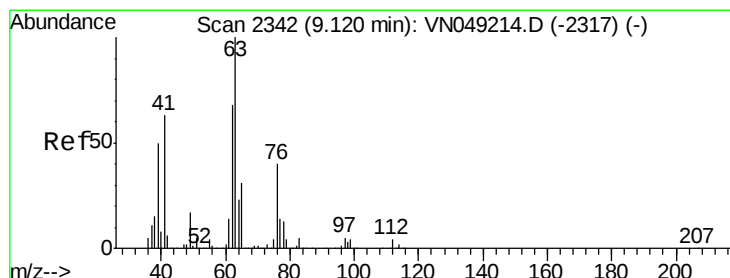
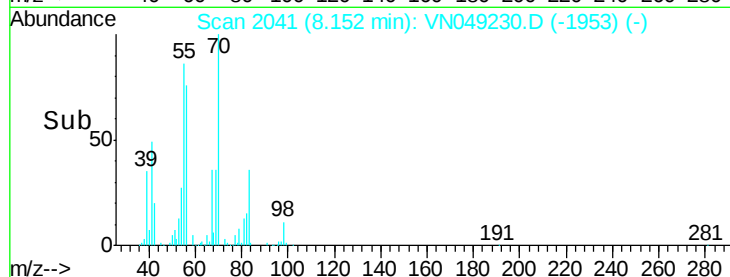
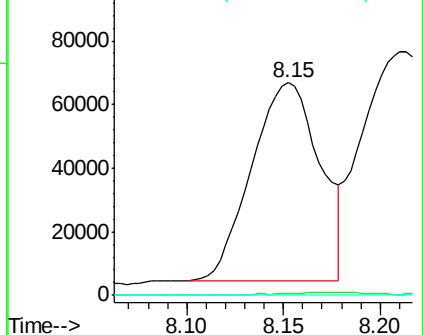
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049214.D (-2026) (-)

Ion 61.00 (60.70 to 61.70): VN049214.D (-2026) (-)

Ion 87.00 (86.70 to 87.70): VN049214.D (-2026) (-)



#45

1,2-Dichloropropane

Concen: 1.457 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.04 min

Lab File: VN049230.D

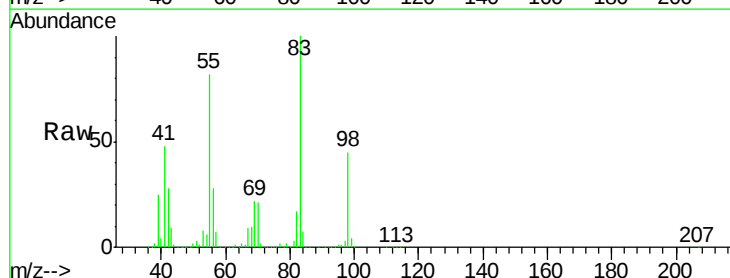
Acq: 14 Jun 2018 16:16

Tgt Ion: 63 Resp: 17986

Ion Ratio Lower Upper

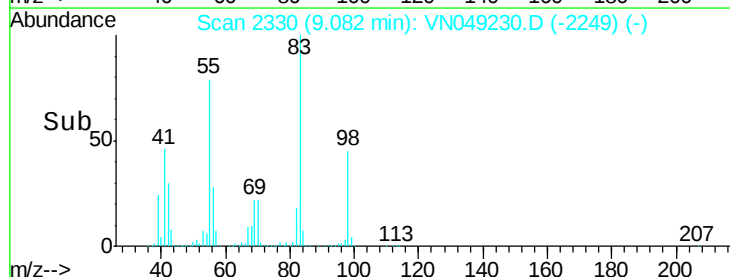
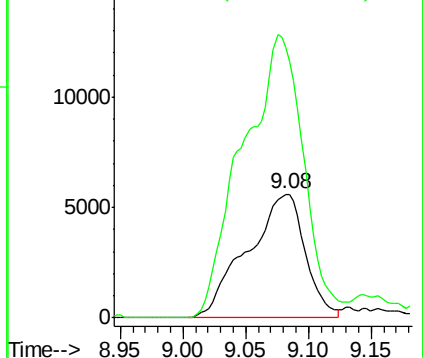
63 100

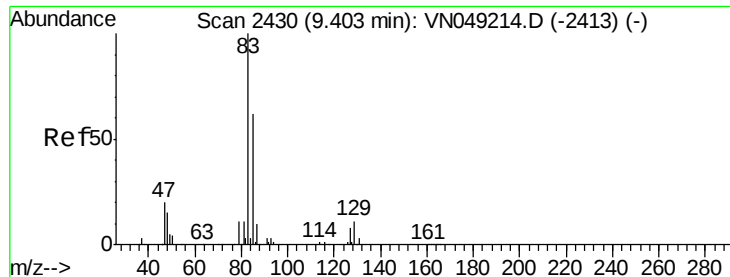
65 218.6 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049214.D (-2317) (-)

Ion 64.90 (64.60 to 65.60): VN049214.D (-2317) (-)





#47

Bromodichloromethane

Concen: 1.642 ug/l

RT: 9.39 min Scan# 2426

Delta R.T. -0.01 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampled :

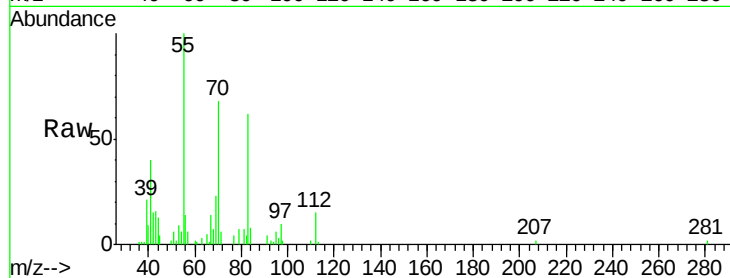
Tot Ion: 83 Resp: 25232

Ion Ratio Lower Upper

83 100

85 0.0 49.4 74.0#

127 0.0 6.3 9.5#

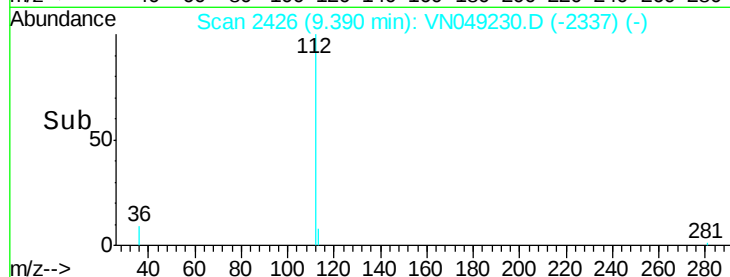


Abundance Ion 82.90 (82.60 to 83.60): VN049230.D (-2337) (-)

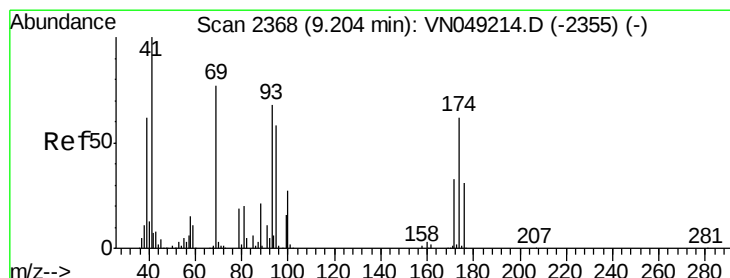
Ion 84.90 (84.60 to 85.60): VN049230.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049230.D (-2337) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 3.859 ug/l

RT: 9.14 min Scan# 2349

Delta R.T. -0.06 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

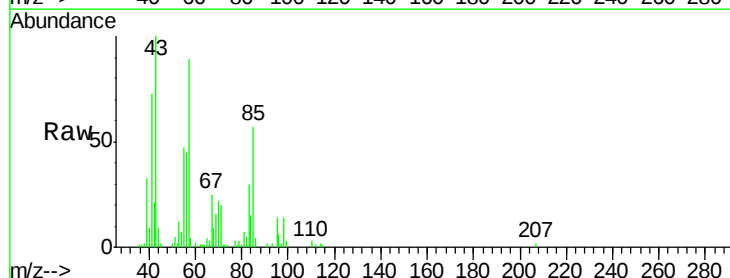
Tgt Ion: 41 Resp: 32427

Ion Ratio Lower Upper

41 100

69 0.0 62.0 93.0#

39 0.0 50.6 75.8#

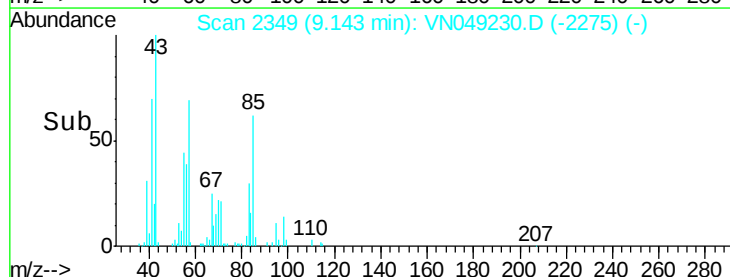


Abundance Ion 41.00 (40.70 to 41.70): VN049230.D (-2275) (-)

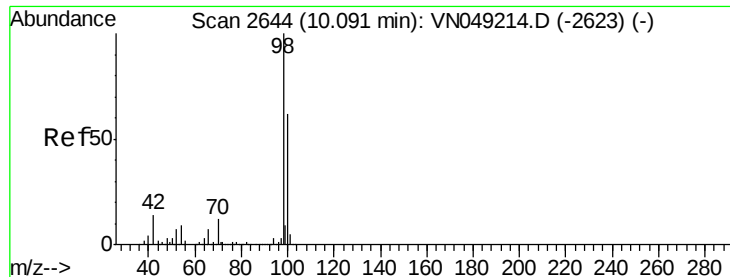
Ion 69.00 (68.70 to 69.70): VN049230.D (-2275) (-)

Ion 39.00 (38.70 to 39.70): VN049230.D (-2275) (-)

Time-->



Time-->



#50

Toluene-d8

Concen: 39.571 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

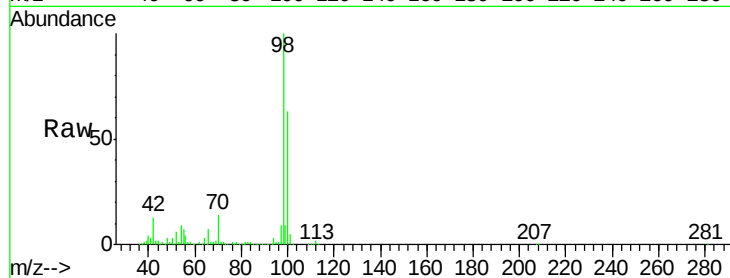
ClientSampleId :

Tot Ion: 98 Resp: 1510801

Ion Ratio Lower Upper

98 100

100 62.8 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049230.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049230.D (-2551) (-)

10.09

800000

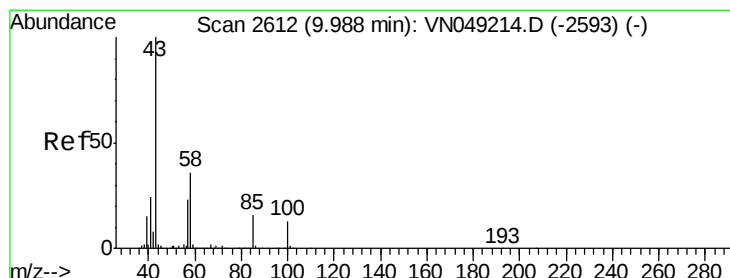
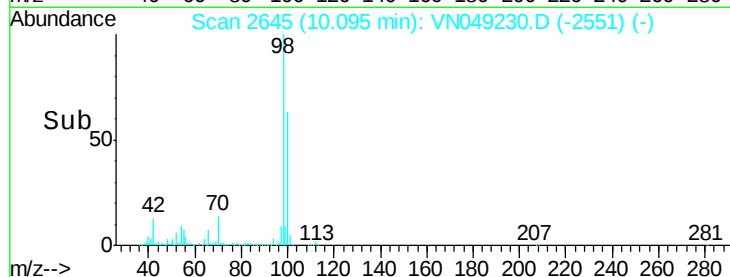
600000

400000

200000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.617 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN049230.D

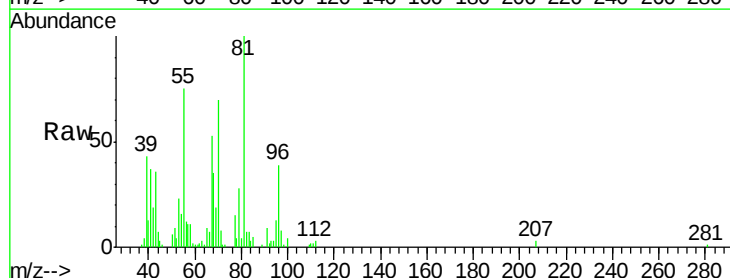
Acq: 14 Jun 2018 16:16

Tgt Ion: 43 Resp: 14809

Ion Ratio Lower Upper

43 100

58 51.1 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN049230.D (-2519) (-)

Ion 58.00 (57.70 to 58.70): VN049230.D (-2519) (-)

9.99

10000

8000

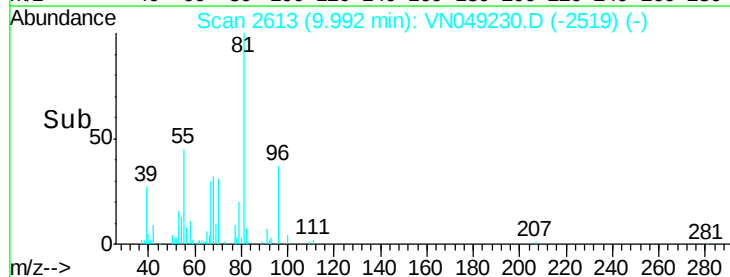
6000

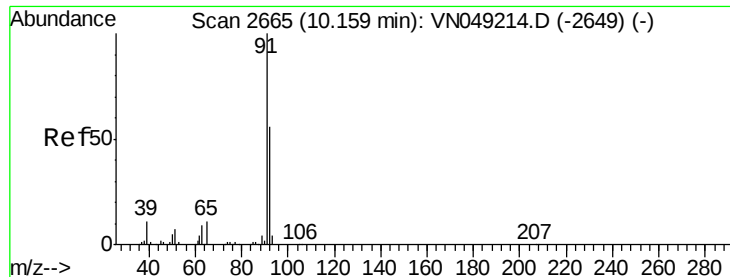
4000

2000

0

Time-->





#52

Toluene

Concen: 29.696 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

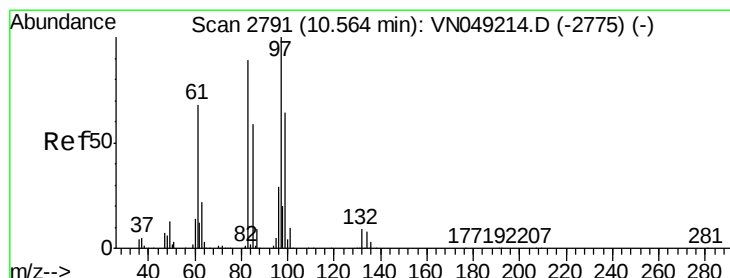
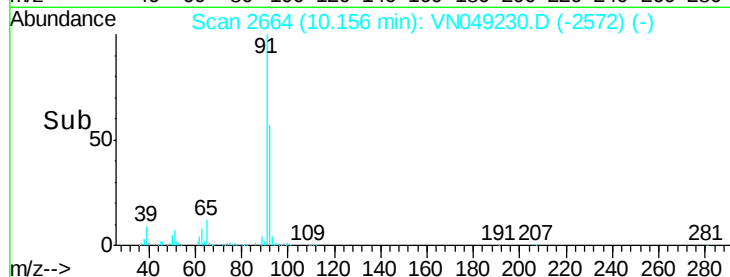
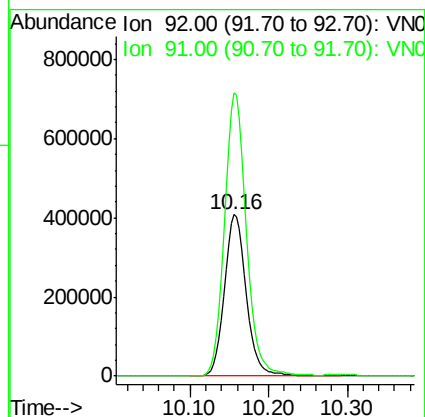
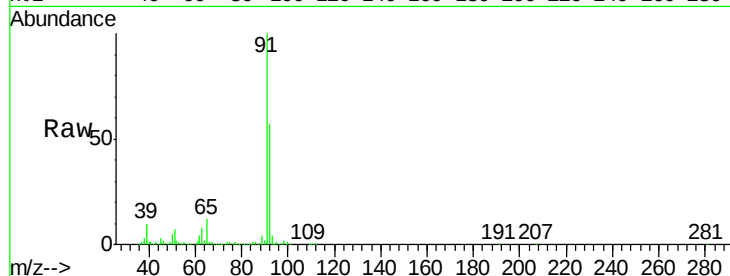
ClientSampled :

Tot Ion: 92 Resp: 775529

Ion Ratio Lower Upper

92 100

91 176.0 143.4 215.2



#55

1,1,2-Trichloroethane

Concen: 12.424 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Tgt Ion: 97 Resp: 119076

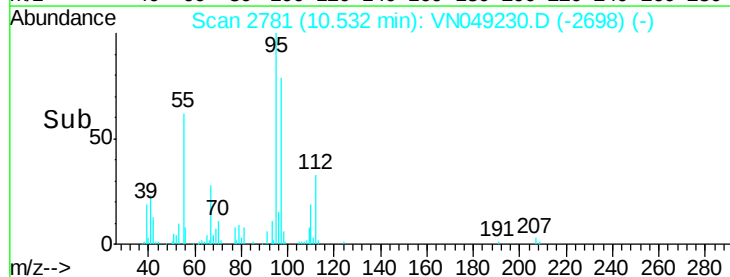
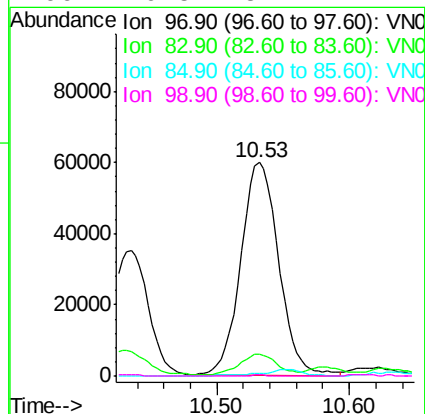
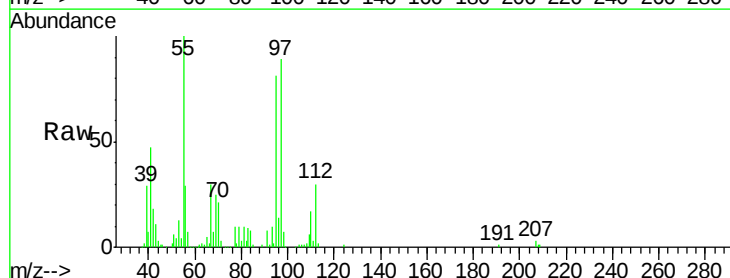
Ion Ratio Lower Upper

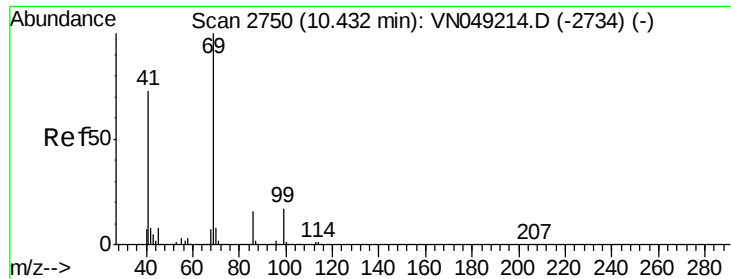
97 100

83 9.6 71.5 107.3#

85 1.5 47.0 70.4#

99 0.5 51.4 77.2#

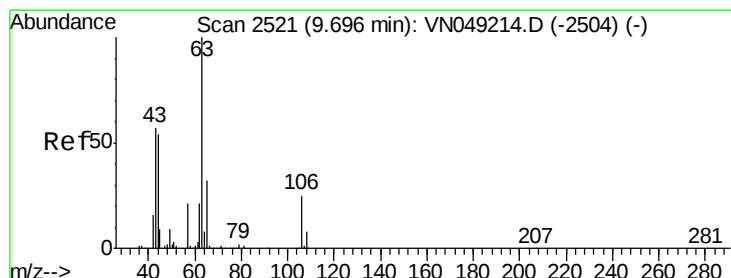
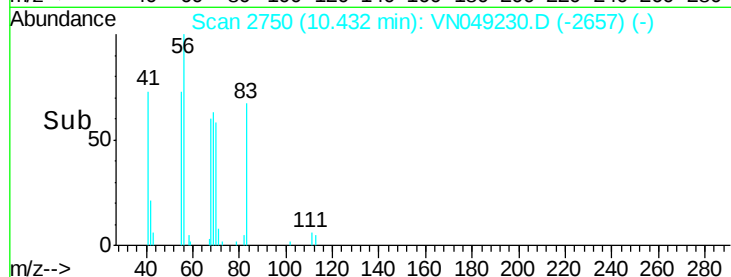
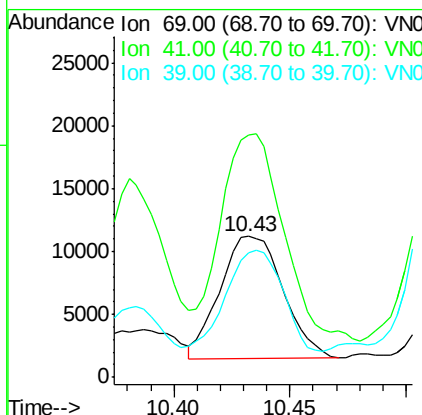
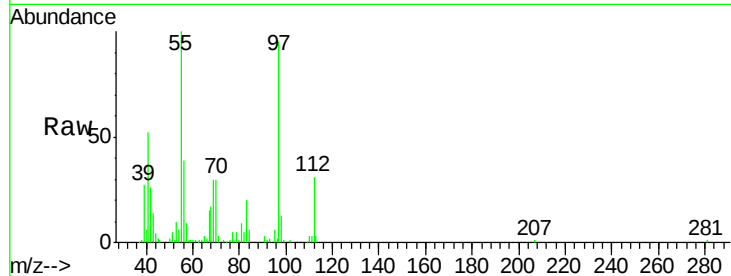




#56
Ethyl methacrylate
Concen: 1.599 ug/l
RT: 10.43 min Scan# 2750
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

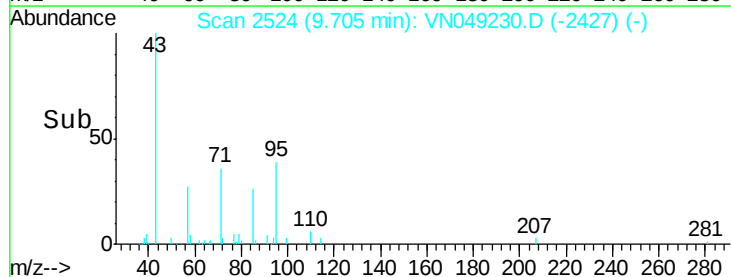
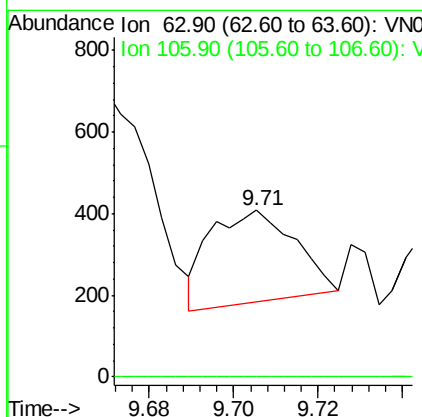
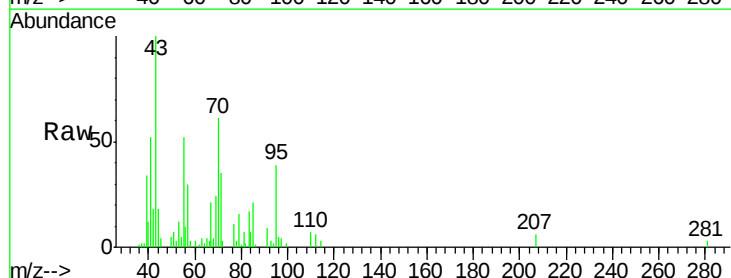
Instrument :
MSVOA_N
ClientSampled :

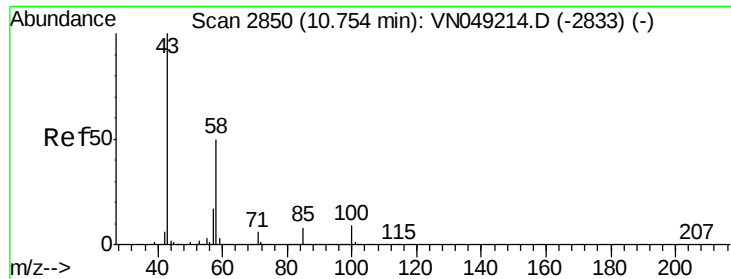
Tot Ion: 69 Resp: 18479
Ion Ratio Lower Upper
69 100
41 166.5 58.4 87.6#
39 73.6 35.5 53.3#



#58
2-Chloroethyl Vinyl ether
Concen: 13.252 ug/l
RT: 9.71 min Scan# 2524
Delta R.T. 0.01 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Tgt Ion: 63 Resp: 314
Ion Ratio Lower Upper
63 100
106 0.0 19.4 29.2#

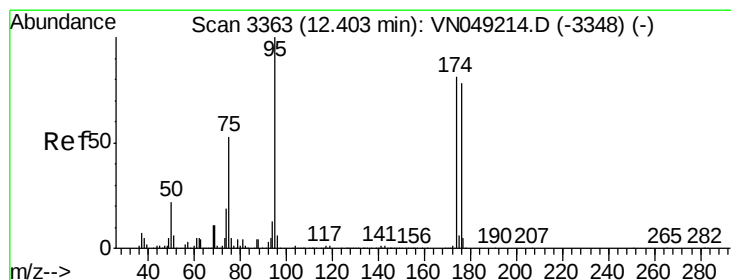
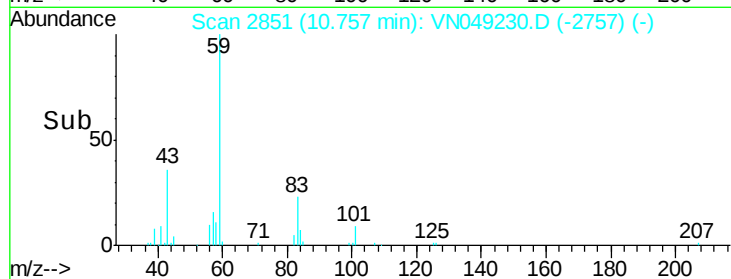
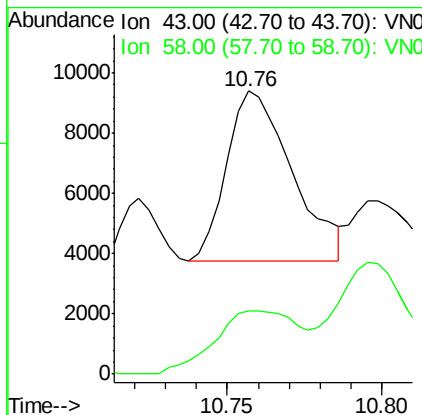
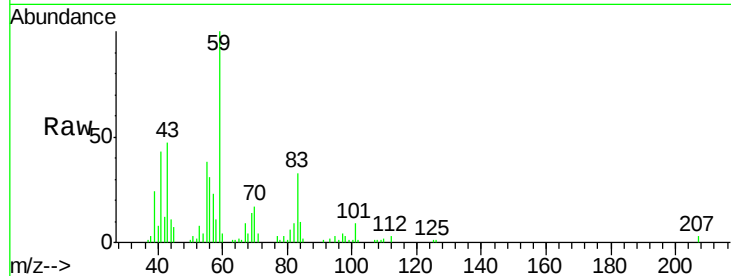




#59
2-Hexanone
Concen: 1.460 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

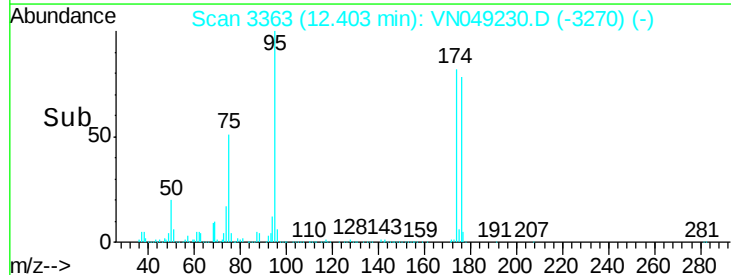
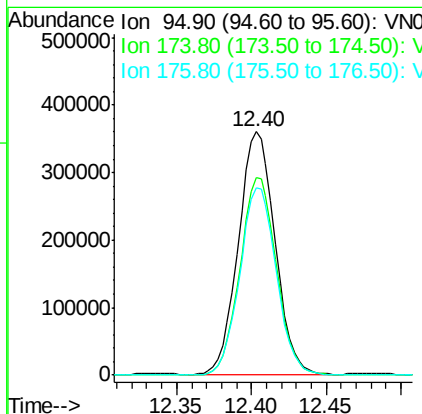
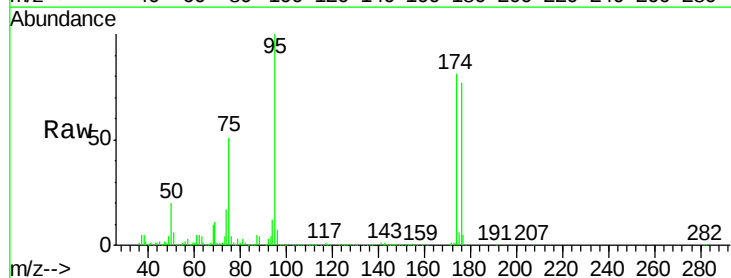
Instrument :
MSVOA_N
ClientSampled :

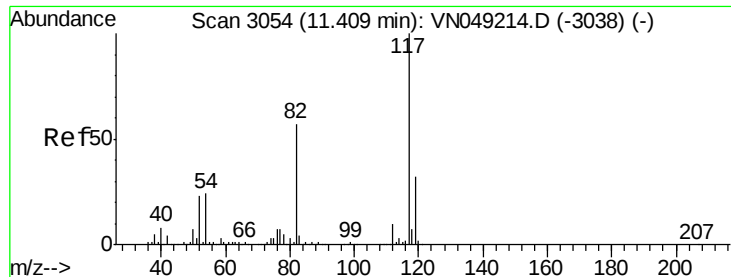
Tot Ion: 43 Resp: 8332
Ion Ratio Lower Upper
43 100
58 47.6 25.2 75.6



#62
4-Bromofluorobenzene
Concen: 48.204 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Tgt Ion: 95 Resp: 610813
Ion Ratio Lower Upper
95 100
174 81.3 0.0 165.6
176 77.5 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

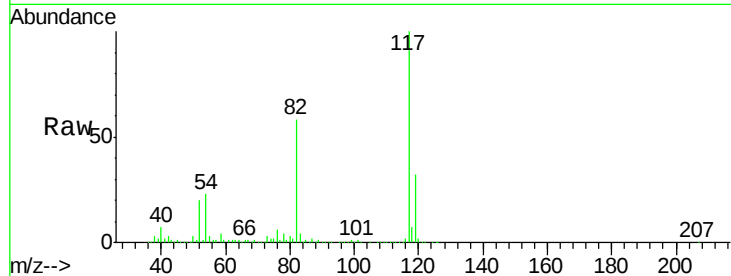
Tot Ion:117 Resp: 1241224

Ion Ratio Lower Upper

117 100

82 57.4 45.9 68.9

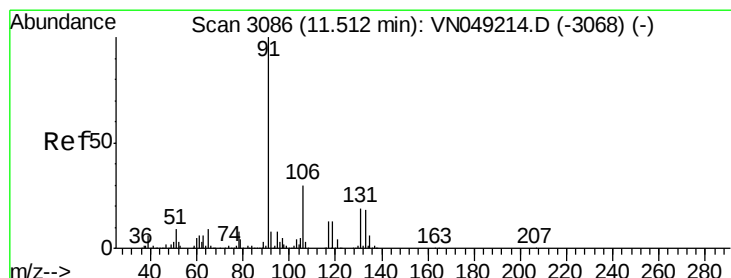
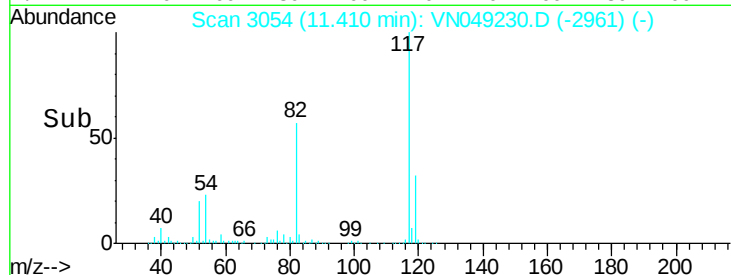
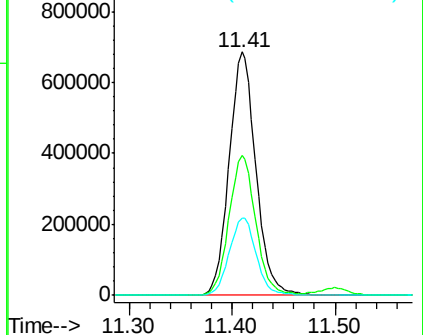
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 225.862 ug/l

RT: 11.63 min Scan# 3122

Delta R.T. 0.12 min

Lab File: VN049230.D

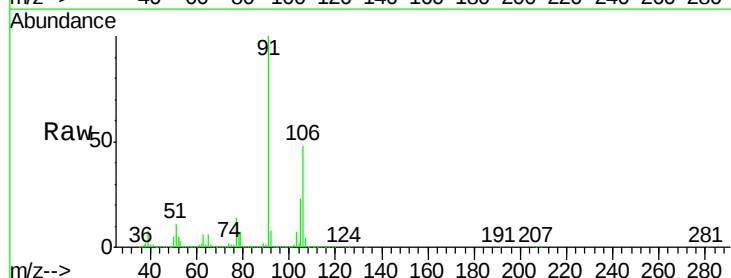
Acq: 14 Jun 2018 16:16

Tgt Ion: 91 Resp:12476574

Ion Ratio Lower Upper

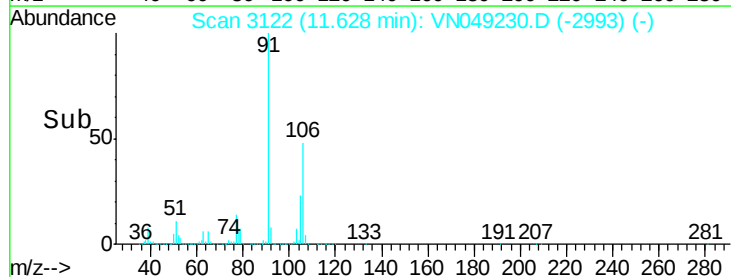
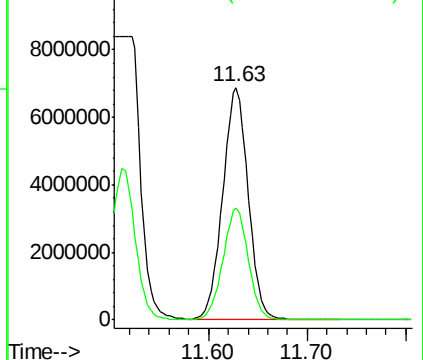
91 100

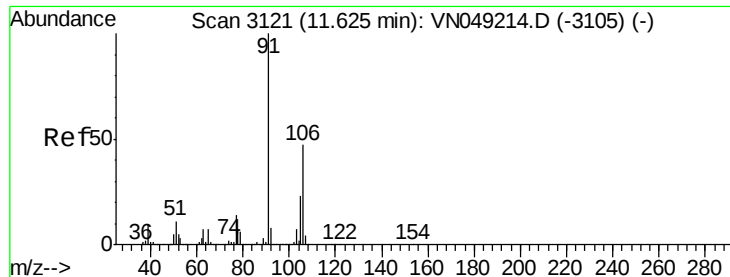
106 48.3 23.9 35.9#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

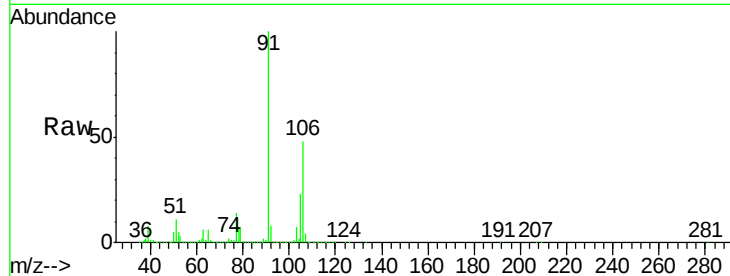




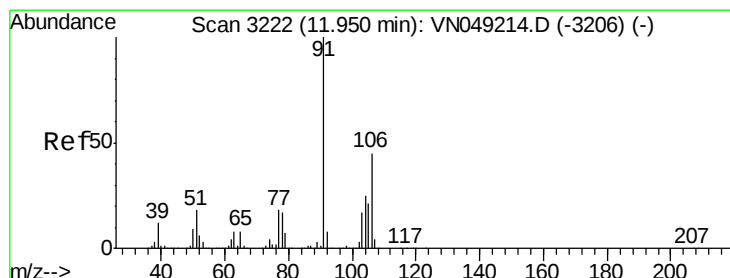
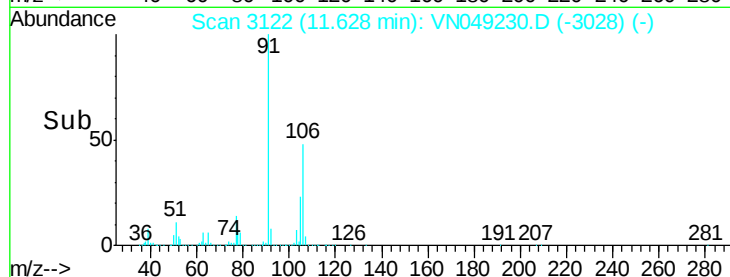
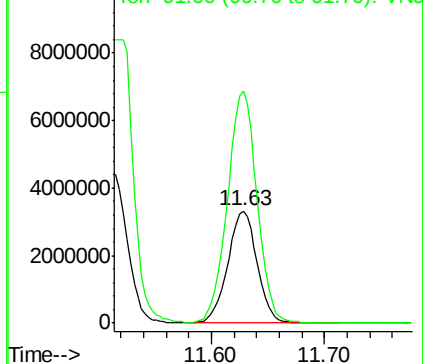
#68
m/p-Xylenes
Concen: 296.209 ug/l
RT: 11.63 min Scan# 3122
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 5983537
Ion Ratio Lower Upper
106 100
91 208.5 167.3 250.9

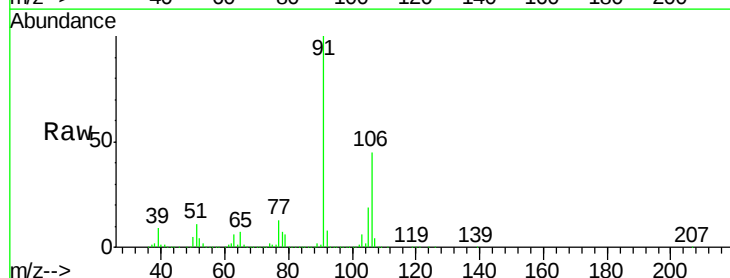


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

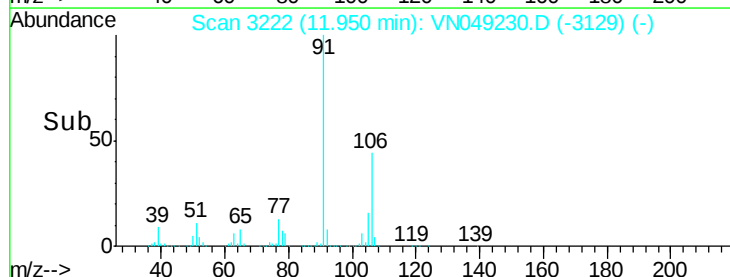
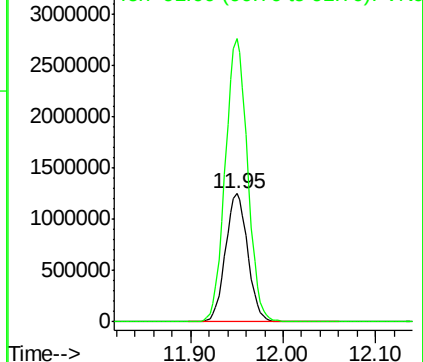


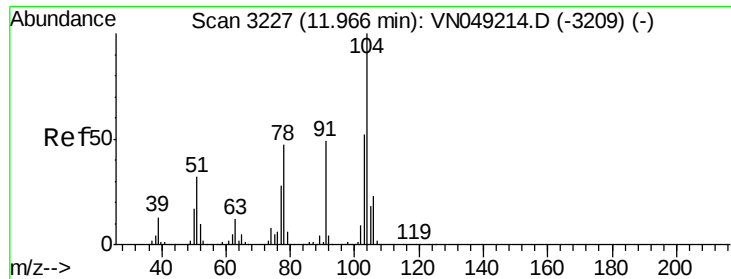
#69
o-Xylene
Concen: 106.710 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Tgt Ion:106 Resp: 2075927
Ion Ratio Lower Upper
106 100
91 221.0 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

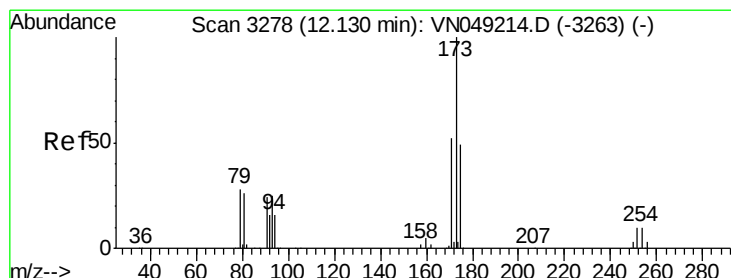
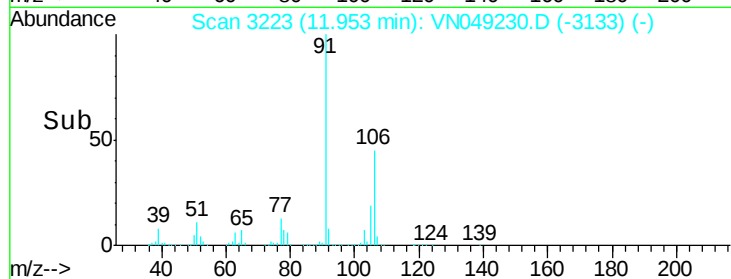
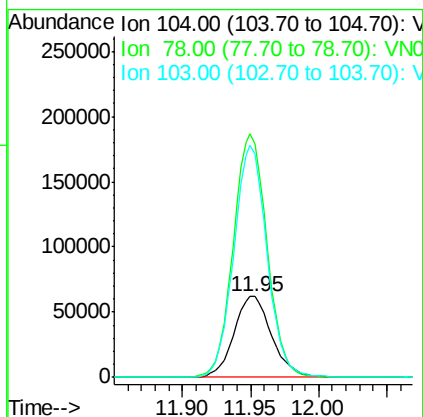
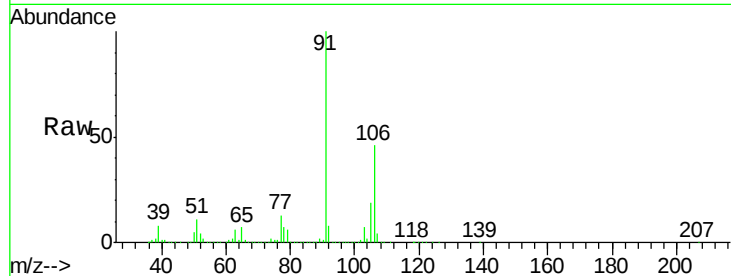




#70
Stvrene
Concen: 3.881 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. -0.01 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

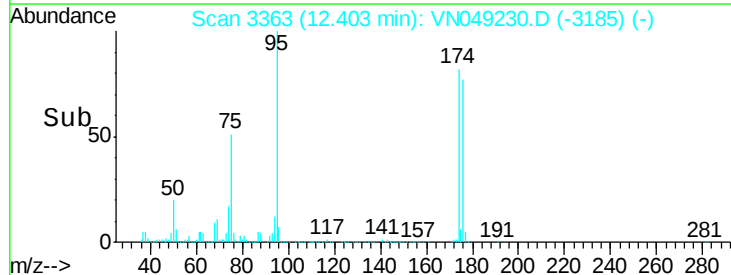
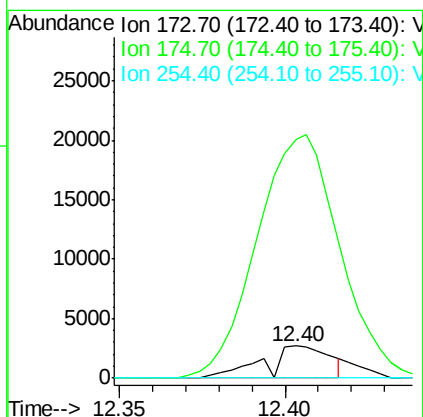
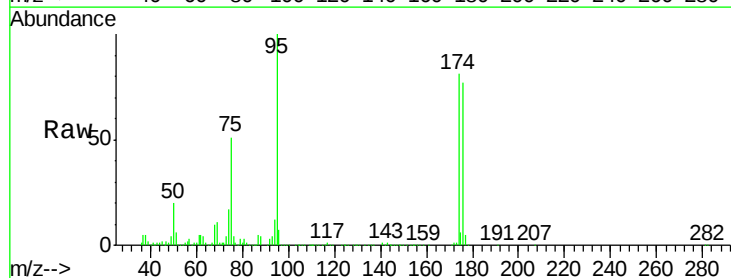
Instrument :
MSVOA_N
ClientSampleId :

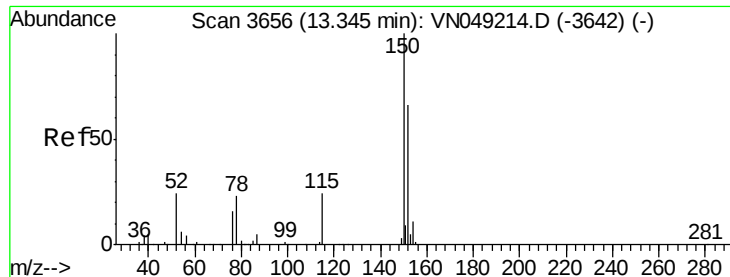
Tot Ion:104 Resp: 119519
Ion Ratio Lower Upper
104 100
78 268.1 41.6 62.4#
103 251.5 45.4 68.2#



#71
Bromoform
Concen: 0.485 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Tgt Ion:173 Resp: 3690
Ion Ratio Lower Upper
173 100
175 848.7 24.5 73.5#
254 0.0 0.1 0.1#



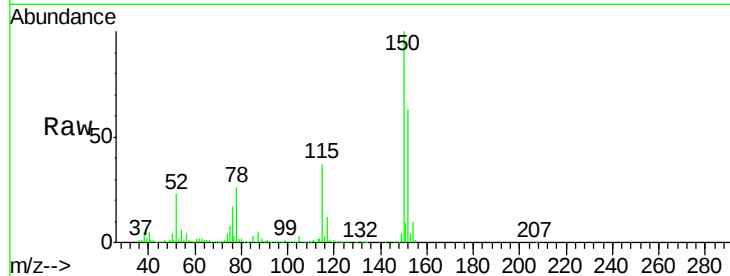


#72

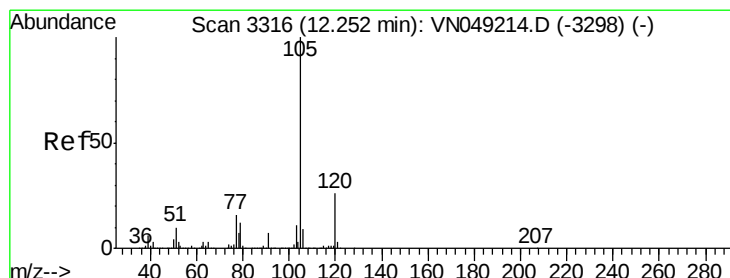
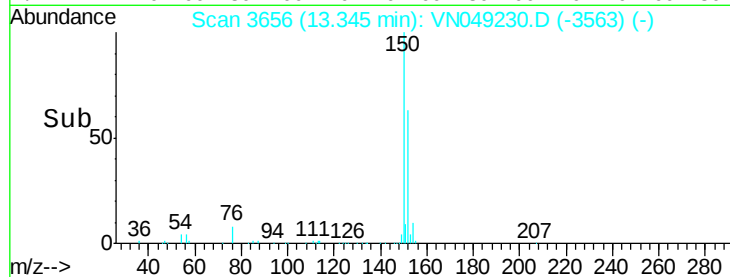
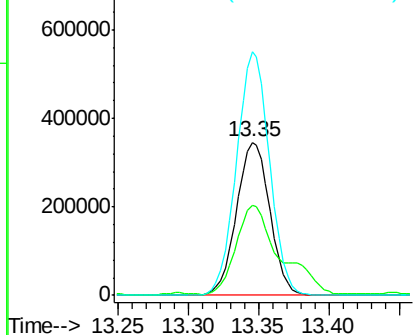
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:152 Resp: 572803
Ion Ratio Lower Upper
152 100
115 76.4 28.7 86.1
150 157.5 0.0 351.0



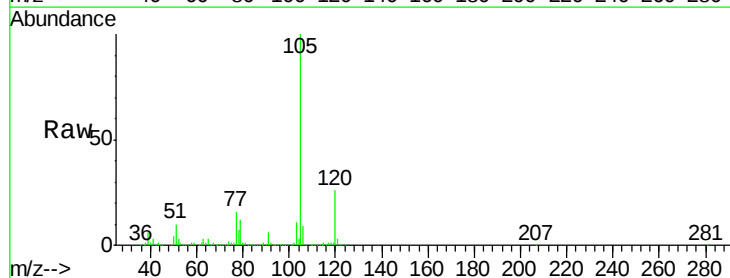
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



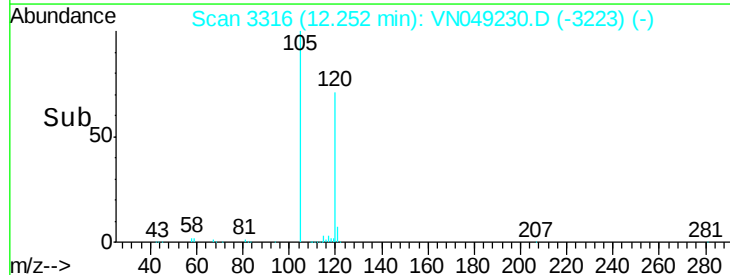
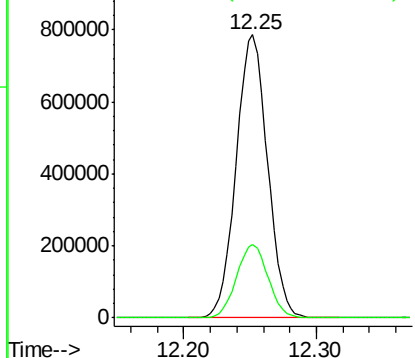
#73

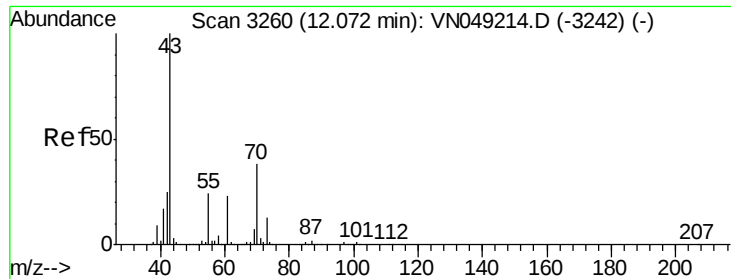
Isopropylbenzene
Concen: 23.444 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049230.D
Acq: 14 Jun 2018 16:16

Tgt Ion:105 Resp: 1289830
Ion Ratio Lower Upper
105 100
120 26.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.203 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3183

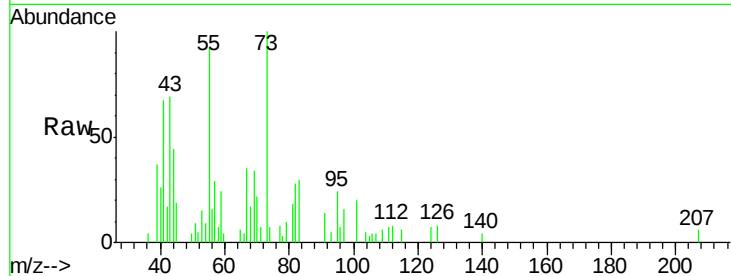
Ion Ratio Lower Upper

43 100

70 25.5 30.3 45.5#

55 134.1 19.4 29.2#

61 0.0 17.8 26.6#

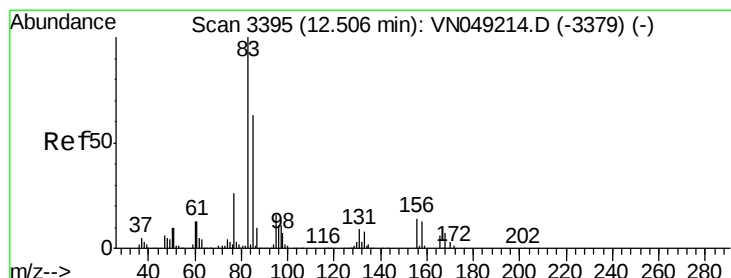
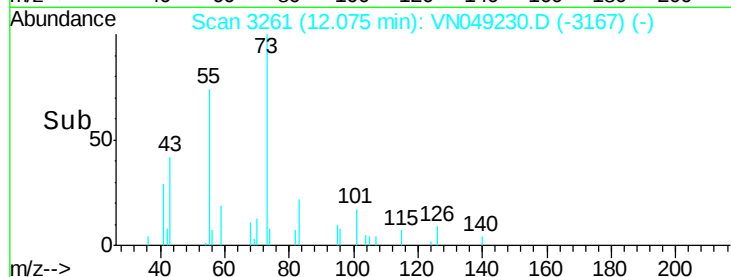
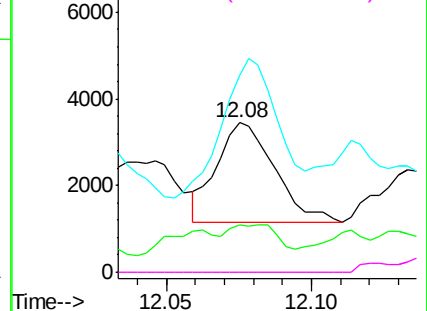


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3401

Delta R.T. 0.02 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

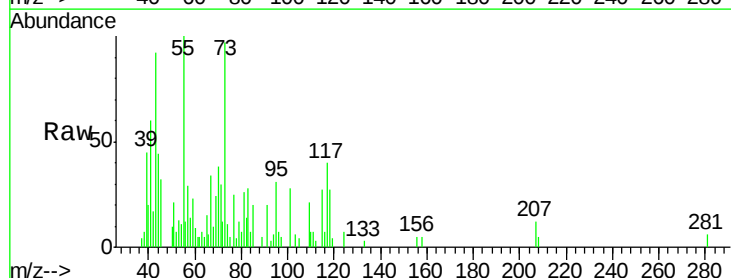
Tgt Ion: 83 Resp: 1284

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

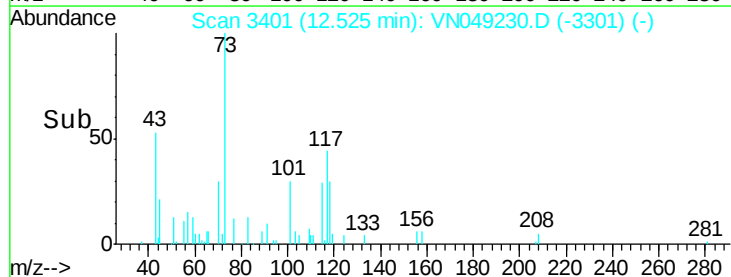
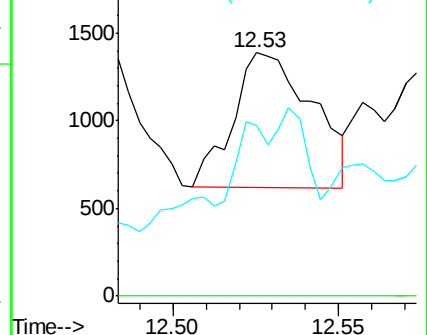
85 49.5 32.0 96.0

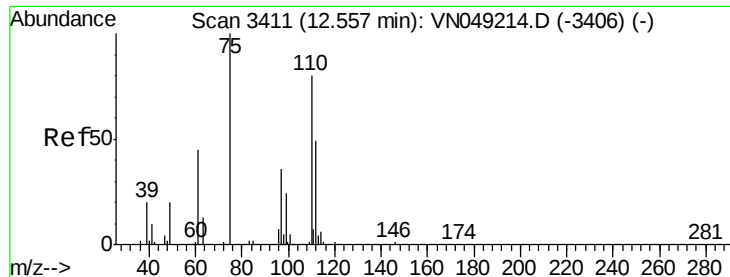


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: Below Cal

RT: 12.59 min Scan# 3422

Delta R.T. 0.04 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

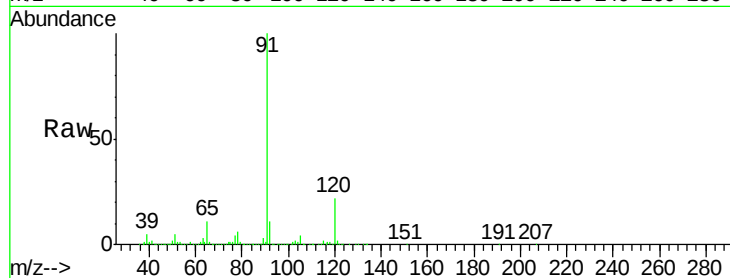
ClientSampled :

Tot Ion: 75 Resp: 18278

Ion Ratio Lower Upper

75 100

77 671.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049214.D (-3406) (-)

Ion 77.00 (76.70 to 77.70): VN049214.D (-3406) (-)

200000

150000

100000

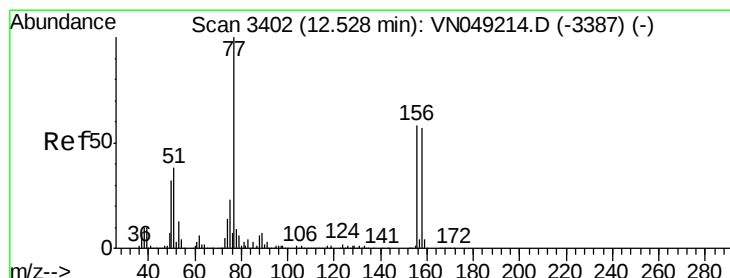
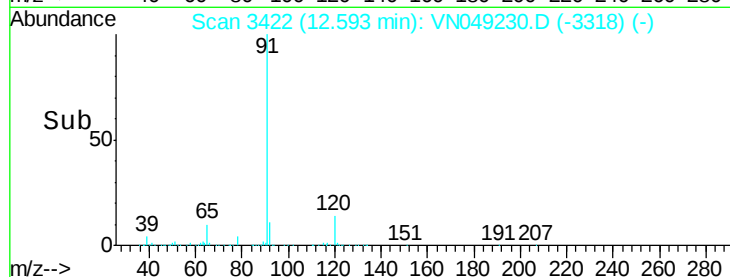
50000

0

12.55 12.60

12.59

Time-->



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3403

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

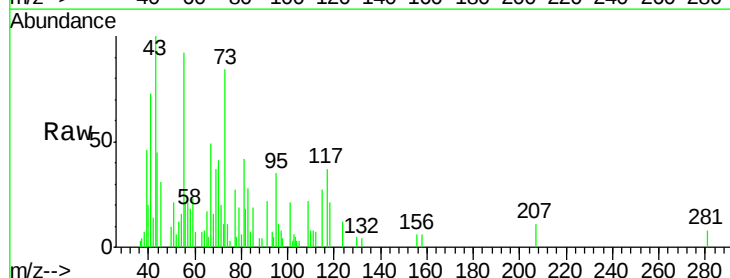
Tgt Ion: 156 Resp: 328

Ion Ratio Lower Upper

156 100

77 0.0 100.8 302.4#

158 95.4 49.3 147.9



Abundance Ion 155.80 (155.50 to 156.50): VN049214.D (-3387) (-)

Ion 77.00 (76.70 to 77.70): VN049214.D (-3387) (-)

Ion 157.80 (157.50 to 158.50): VN049214.D (-3387) (-)

1500

1000

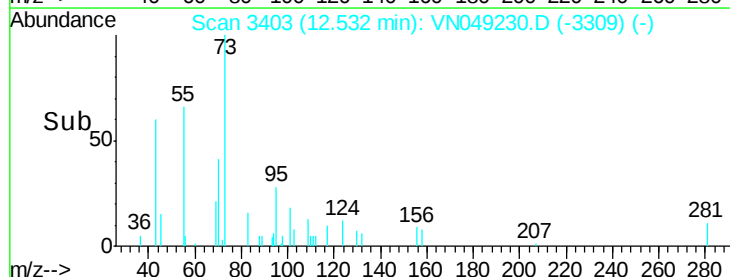
500

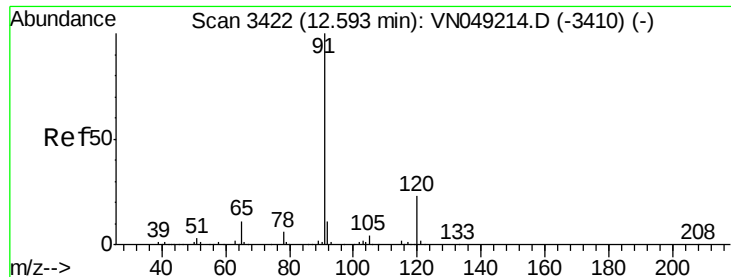
0

12.50 12.52 12.54

12.53

Time-->





#78

n-propylbenzene

Concen: 50.442 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

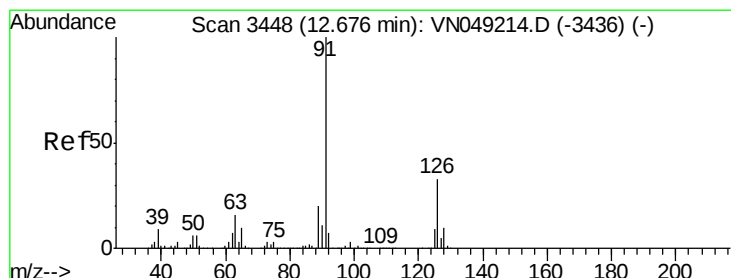
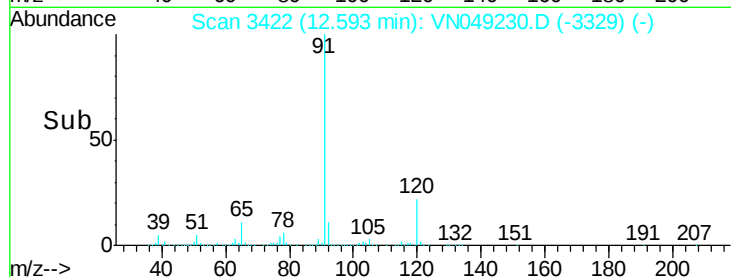
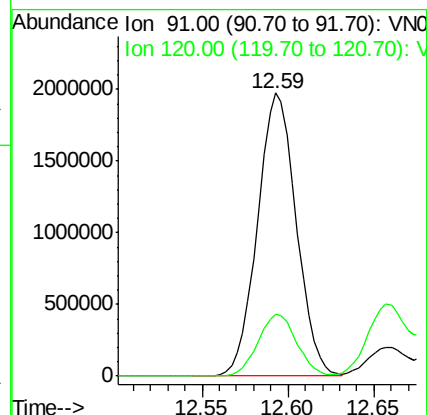
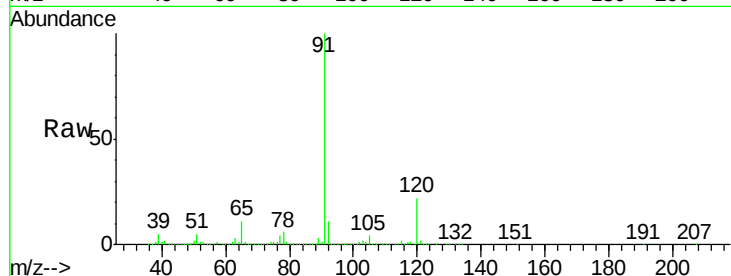
ClientSampled :

Tot Ion: 91 Resp: 3082947

Ion Ratio Lower Upper

91 100

120 21.9 11.2 33.5



#79

2-Chlorotoluene

Concen: 6.868 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. 0.01 min

Lab File: VN049230.D

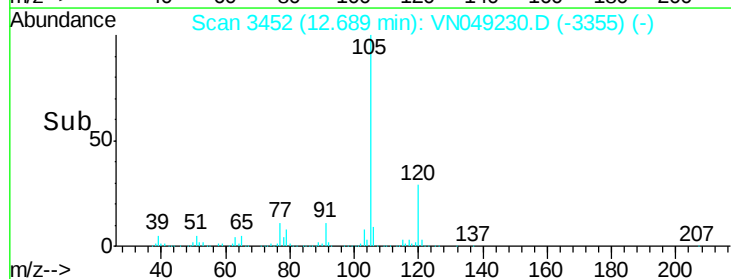
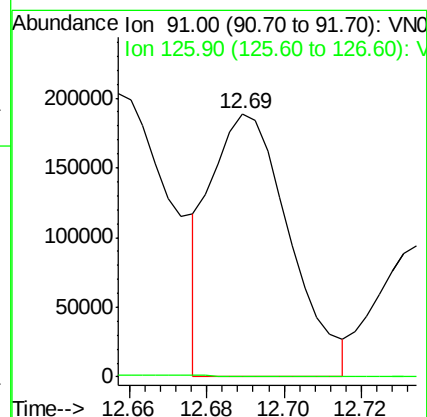
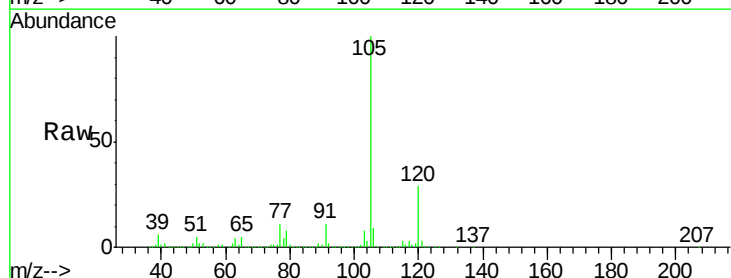
Acq: 14 Jun 2018 16:16

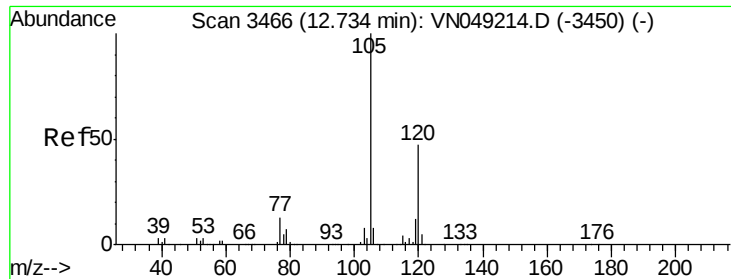
Tgt Ion: 91 Resp: 264741

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#





#80

1,3,5-Trimethylbenzene

Concen: 32.658 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

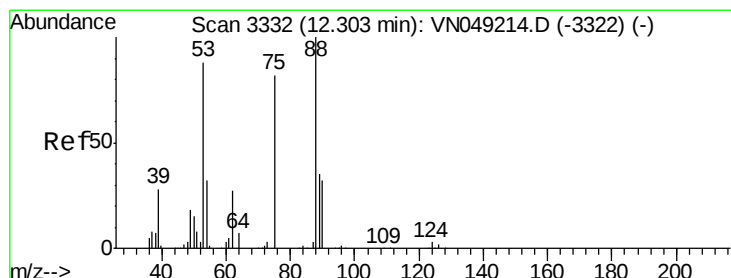
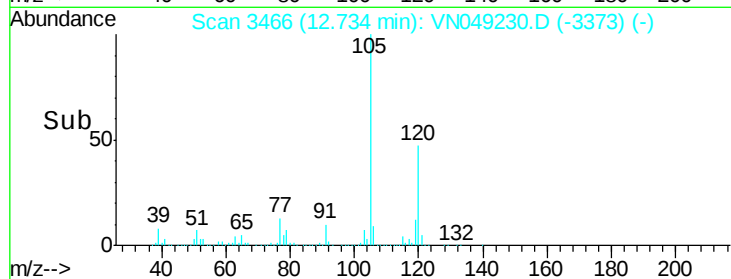
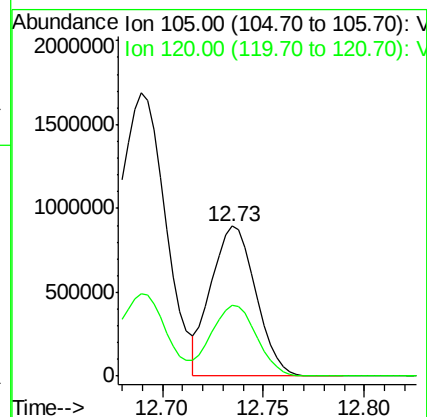
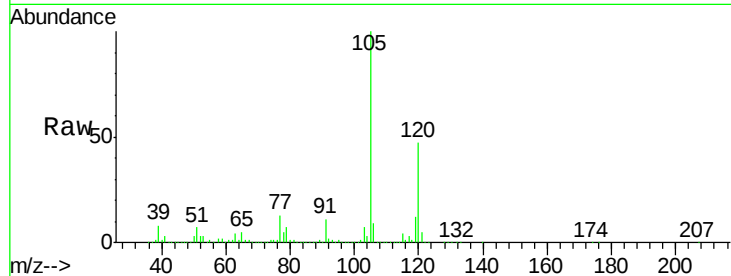
ClientSampled :

Tot Ion:105 Resp: 1377661

Ion Ratio Lower Upper

105 100

120 48.8 23.5 70.5



#81

trans-1,4-Dichloro-2-butene

Concen: 4.798 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.05 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

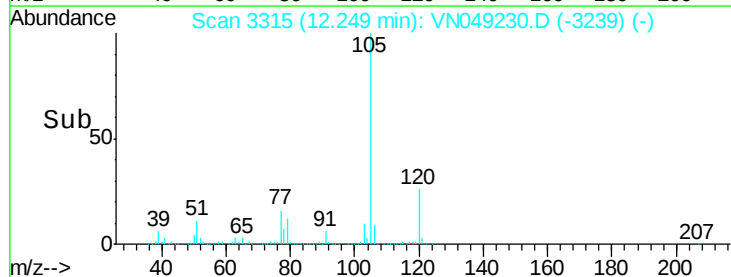
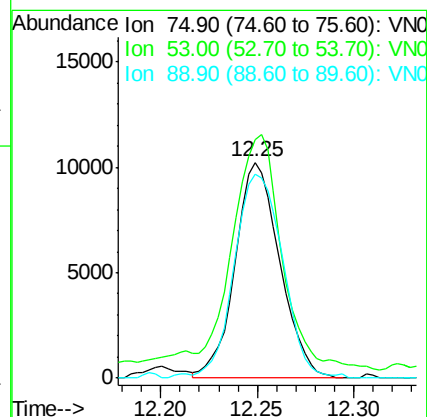
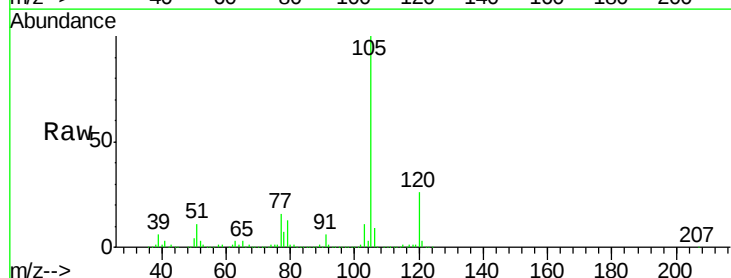
Tgt Ion: 75 Resp: 16448

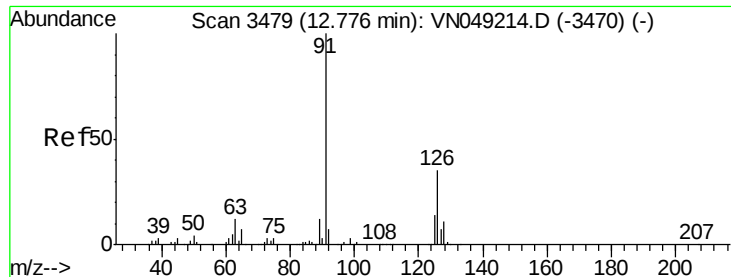
Ion Ratio Lower Upper

75 100

53 126.4 82.7 124.1#

89 103.0 36.5 54.7#





#82

4-Chlorotoluene

Concen: 3.990 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

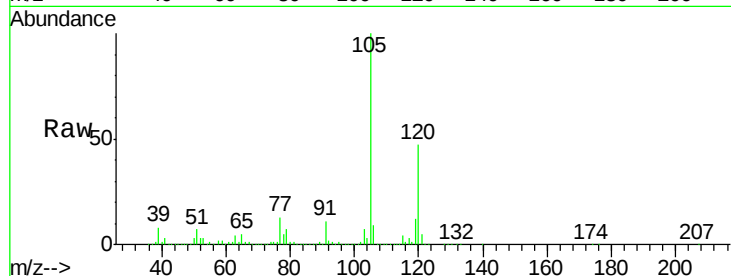
ClientSampled :

Tot Ion: 91 Resp: 145878

Ion Ratio Lower Upper

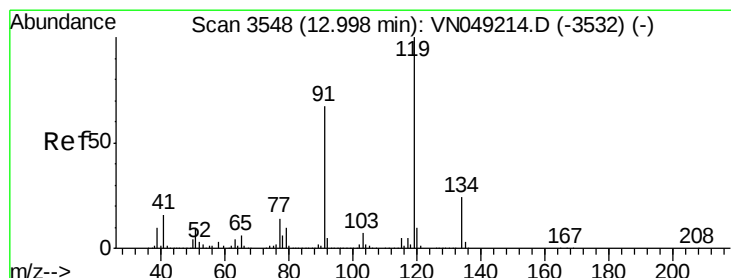
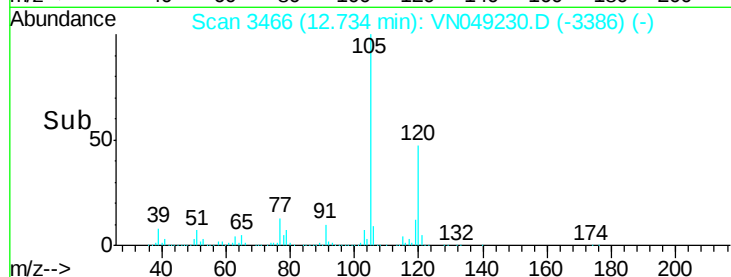
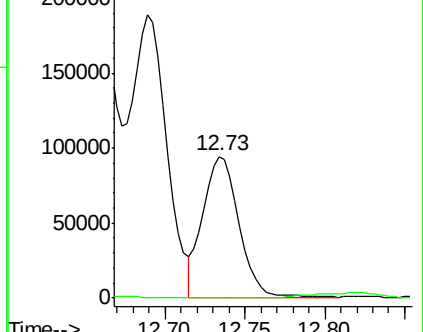
91 100

126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN049230.D (-3466) (-)

Ion 125.90 (125.60 to 126.60): VN049230.D (-3466) (-)



#83

tert-Butylbenzene

Concen: 34.642 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.05 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

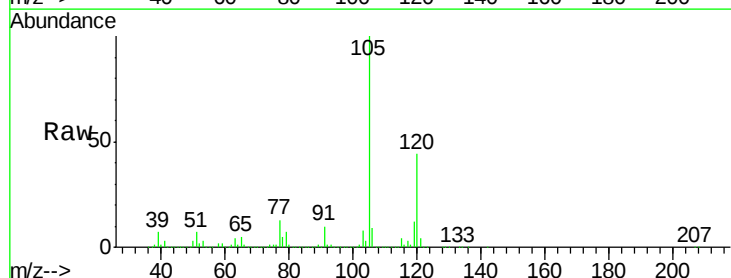
Tgt Ion: 119 Resp: 1258849

Ion Ratio Lower Upper

119 100

91 84.2 33.7 101.0

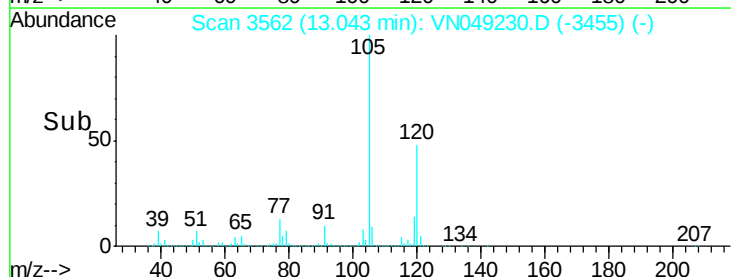
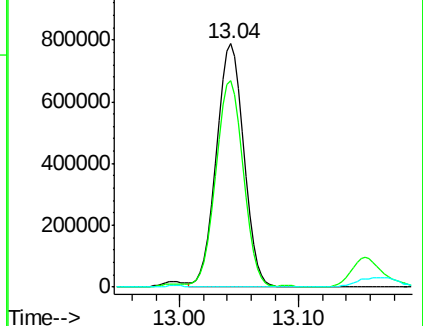
134 0.0 12.9 38.6#

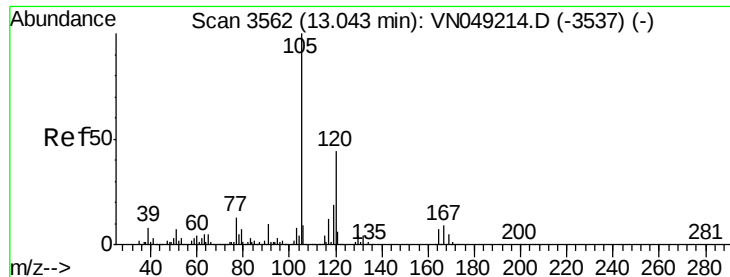


Abundance Ion 119.00 (118.70 to 119.70): VN049230.D (-3562) (-)

Ion 91.00 (90.70 to 91.70): VN049230.D (-3562) (-)

Ion 134.00 (133.70 to 134.70): VN049230.D (-3562) (-)





#84

1,2,4-Trimethylbenzene

Concen: 248.045 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

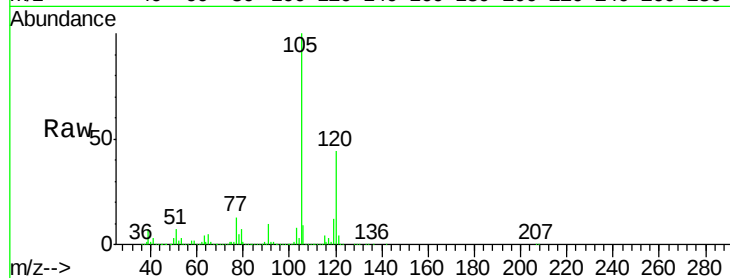
ClientSampled :

Tot Ion:105 Resp:10400344

Ion Ratio Lower Upper

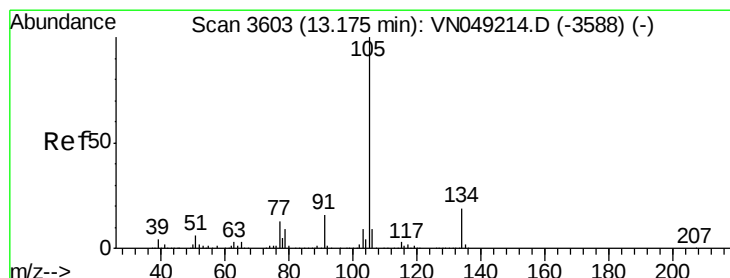
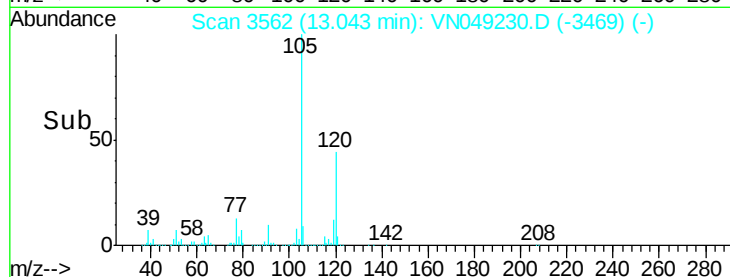
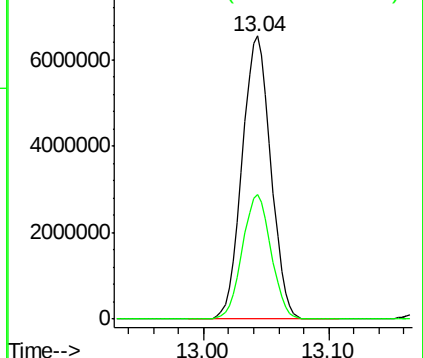
105 100

120 44.1 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 214.679 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN049230.D

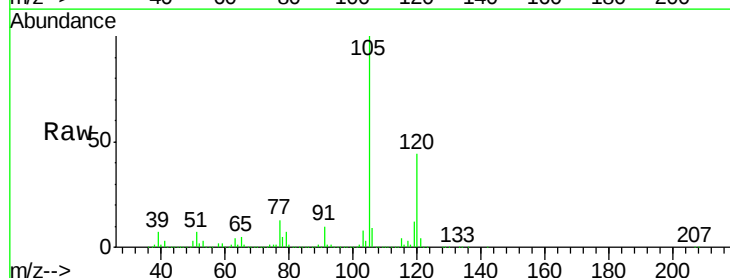
Acq: 14 Jun 2018 16:16

Tgt Ion:105 Resp:10400344

Ion Ratio Lower Upper

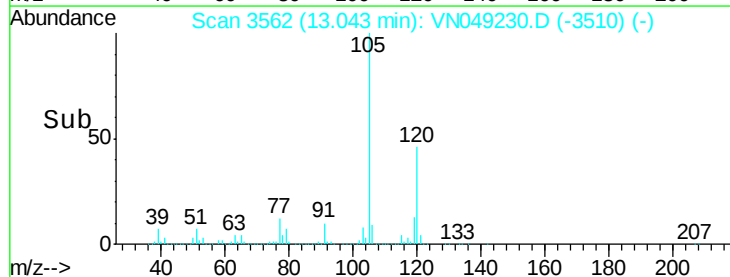
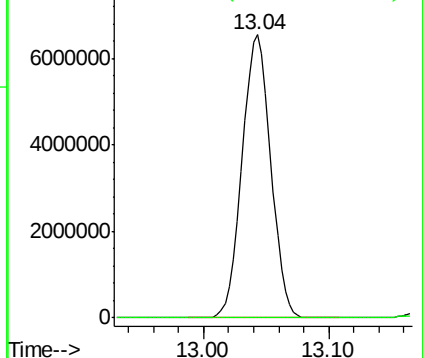
105 100

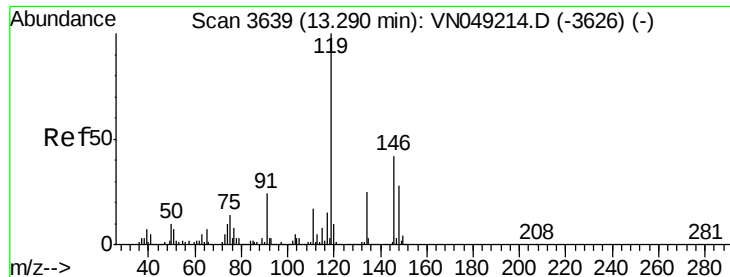
134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

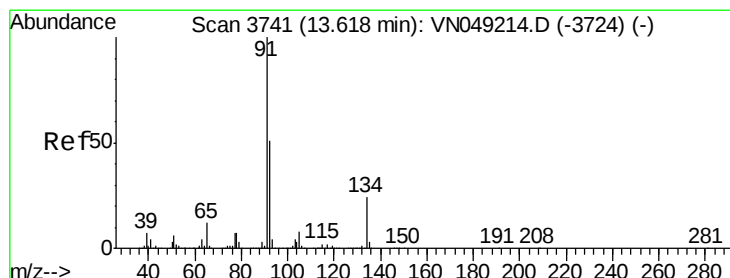
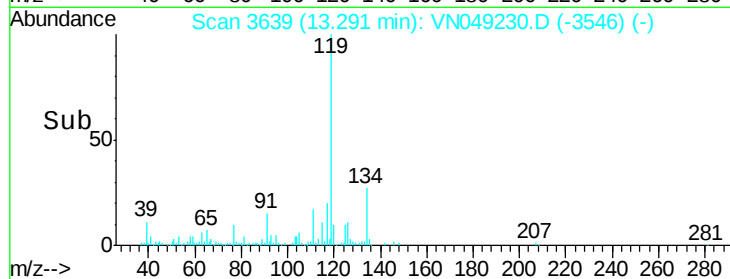
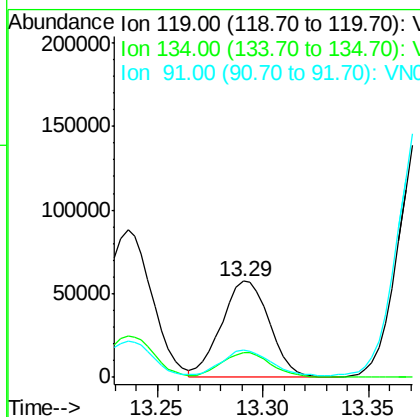
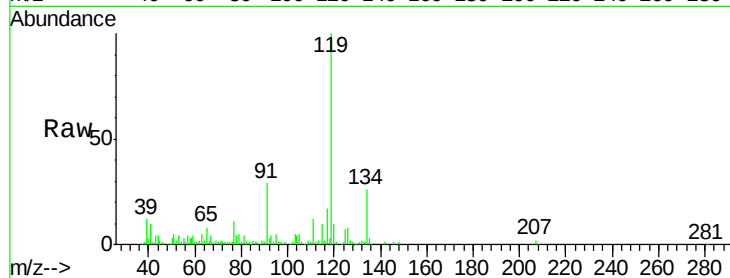




#86
 p-Isopropyltoluene
 Concen: 2.299 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

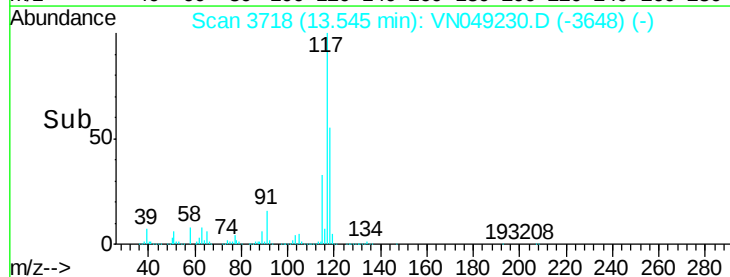
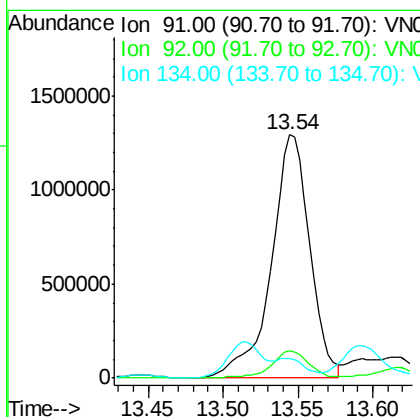
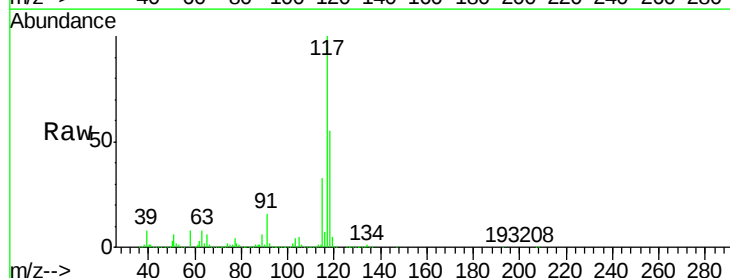
Instrument :
 MSVOA_N
 ClientSampleId :

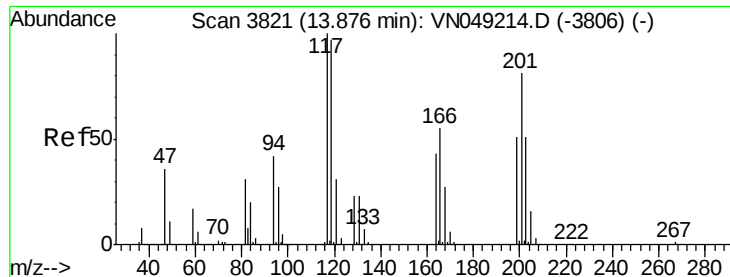
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.9	38.6
91	0.0	12.1	36.3#



#89
 n-Butylbenzene
 Concen: 66.652 ug/l
 RT: 13.54 min Scan# 3718
 Delta R.T. -0.07 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

Tgt Ion	Ratio	Lower	Upper
91	100		
92	10.9	25.1	75.4#
134	0.0	12.0	36.0#





#90

Hexachloroethane

Concen: 23.435 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

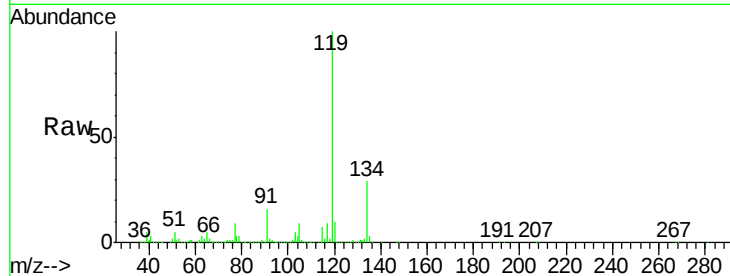
ClientSampleId :

Tot Ion:117 Resp: 193120

Ion Ratio Lower Upper

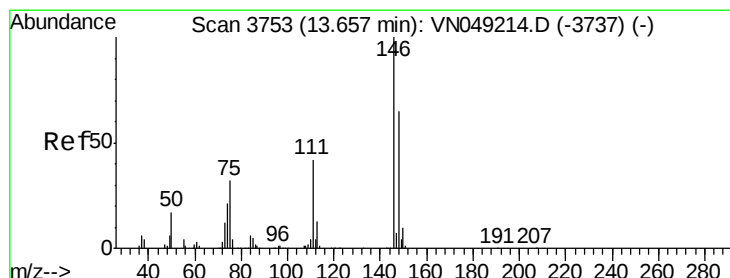
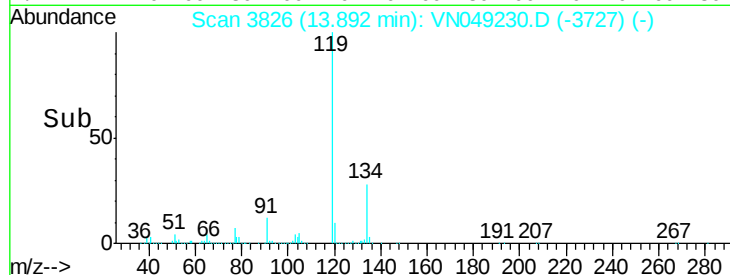
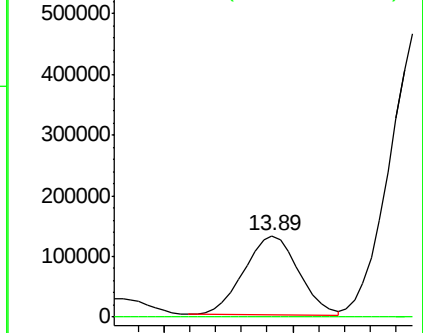
117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.248 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

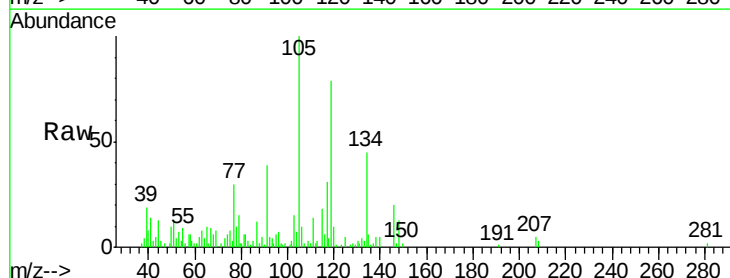
Tgt Ion:146 Resp: 5248

Ion Ratio Lower Upper

146 100

111 144.0 20.8 62.2#

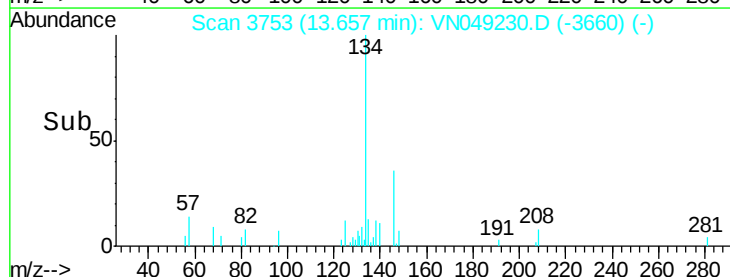
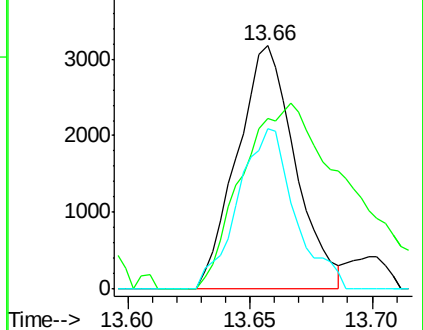
148 64.3 32.0 96.2

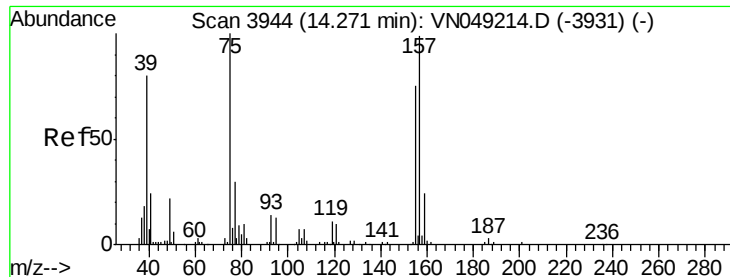


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.410 ug/l

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

Instrument :

MSVOA_N

ClientSampleId :

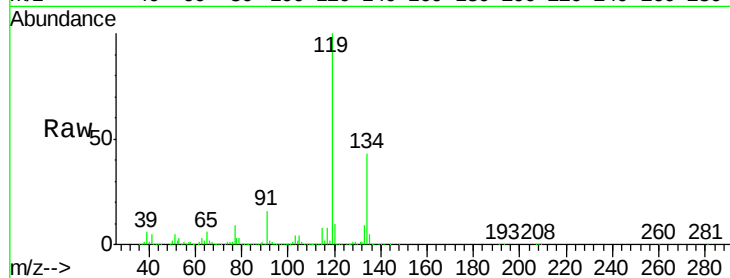
Tot Ion: 75 Resp: 6526

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

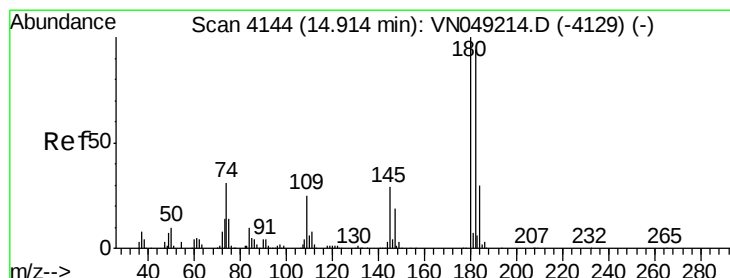
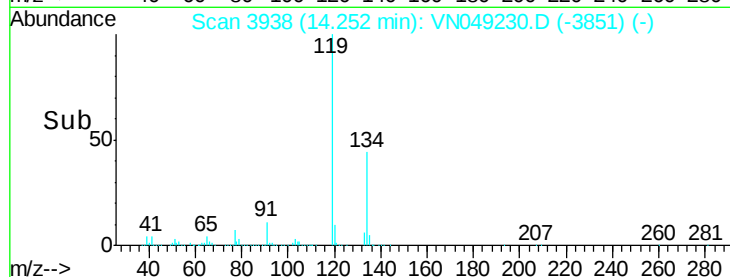
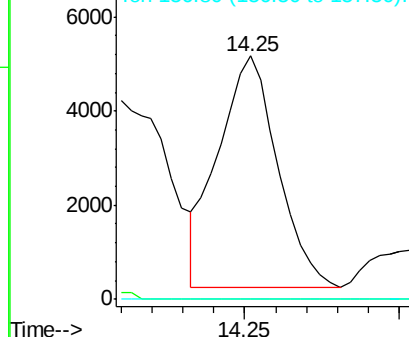
157 0.0 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): VN049230.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049230.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049230.D (-3851) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.527 ug/l

RT: 14.92 min Scan# 4146

Delta R.T. 0.01 min

Lab File: VN049230.D

Acq: 14 Jun 2018 16:16

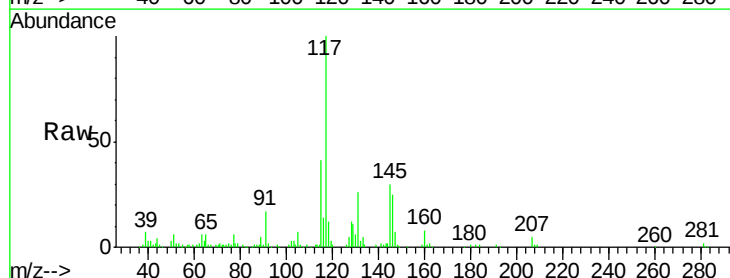
Tgt Ion: 180 Resp: 1439

Ion Ratio Lower Upper

180 100

182 93.2 46.9 140.8

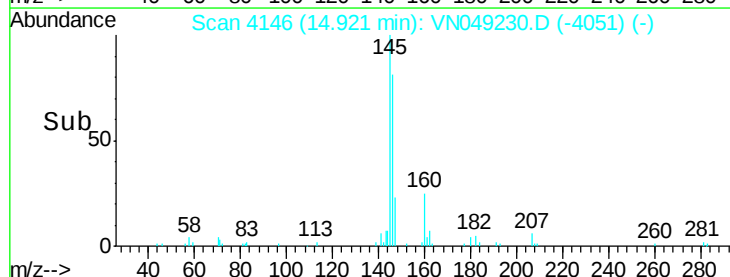
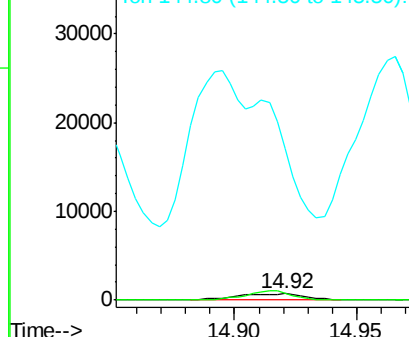
145 0.0 14.7 44.1#

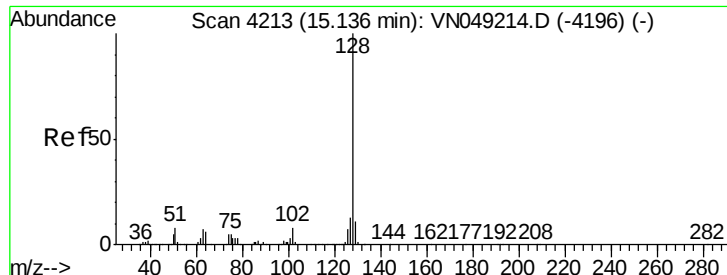


Abundance Ion 179.80 (179.50 to 180.50): VN049230.D (-4051) (-)

Ion 181.80 (181.50 to 182.50): VN049230.D (-4051) (-)

Ion 144.80 (144.50 to 145.50): VN049230.D (-4051) (-)



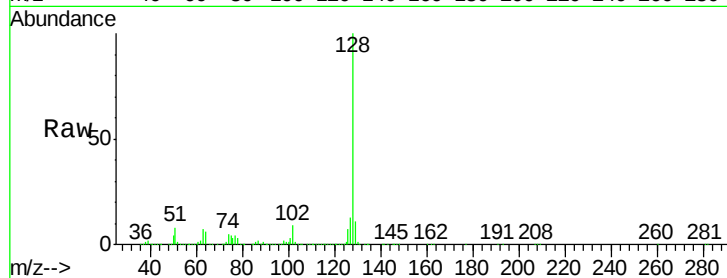


#95
 Naphthalene
 Concen: 111.608 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049230.D
 Acq: 14 Jun 2018 16:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:128 Resp: 2368875

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	10.7	8.5	12.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

