

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056920.D
 Acq On : 25 Jul 2019 14:05
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Jul 26 03:17:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 03:12:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	446946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	674420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	546098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148176	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	4940	1.03	ug/l	0.00
Spiked Amount			Recovery	=	2.06%	
35) Dibromofluoromethane	7.57	113	4209	0.97	ug/l	0.00
Spiked Amount			Recovery	=	1.94%	
50) Toluene-d8	10.08	98	14614	0.88	ug/l	0.00
Spiked Amount			Recovery	=	1.76%	
62) 4-Bromofluorobenzene	12.40	95	5250	0.97	ug/l	0.00
Spiked Amount			Recovery	=	1.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	3732	0.757	ug/l	92
3) Chloromethane	2.05	50	5368	0.872	ug/l	96
4) Vinyl Chloride	2.17	62	5030	0.889	ug/l	97
5) Bromomethane	2.55	94	3756	1.086	ug/l	97
6) Chloroethane	2.69	64	3232	1.034	ug/l	89
7) Trichlorofluoromethane	3.00	101	6709	0.951	ug/l	97
8) Diethyl Ether	3.39	74	2435	0.922	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.73	101	4557	1.050	ug/l	96
10) Methyl Iodide	3.93	142	5256	0.904	ug/l #	96
11) Tert butyl alcohol	4.72	59	345	0.517	ug/l #	74
12) 1,1-Dichloroethene	3.72	96	3873	0.893	ug/l	97
13) Acrolein	3.58	56	1692	3.295	ug/l	92
14) Allyl chloride	4.31	41	6516	0.916	ug/l #	90
15) Acrylonitrile	4.97	53	8412	4.161	ug/l	92
16) Acetone	3.80	43	7674	4.428	ug/l	100
17) Carbon Disulfide	4.03	76	11179	0.950	ug/l #	91
18) Methyl Acetate	4.30	43	6505	0.973	ug/l #	65
19) Methyl tert-butyl Ether	5.02	73	11493	0.899	ug/l	96
20) Methylene Chloride	4.53	84	3377	0.661	ug/l #	84
21) trans-1,2-Dichloroethene	5.02	96	4341	0.958	ug/l	87
22) Diisopropyl ether	5.93	45	12481	0.868	ug/l	91
23) Vinyl Acetate	5.87	43	39175	3.796	ug/l	98
24) 1,1-Dichloroethane	5.83	63	7526	0.902	ug/l #	83
25) 2-Butanone	6.82	43	11501	4.564	ug/l	92
26) 2,2-Dichloropropane	6.80	77	5578	0.942	ug/l	96
27) cis-1,2-Dichloroethene	6.81	96	4498	0.864	ug/l	75
28) Bromochloromethane	7.17	49	3469	0.914	ug/l #	92
29) Tetrahydrofuran	7.20	42	7032	4.101	ug/l	93
30) Chloroform	7.35	83	9101	1.086	ug/l	96
31) Cyclohexane	7.64	56	12697	1.574	ug/l #	25
32) 1,1,1-Trichloroethane	7.55	97	6580	0.971	ug/l #	48
36) 1,1-Dichloropropene	7.77	75	5963	0.958	ug/l	93
37) Ethyl Acetate	6.92	43	5117	1.027	ug/l #	75
38) Carbon Tetrachloride	7.75	117	5688	0.957	ug/l #	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	6473	0.828	ug/l	96
40) Benzene	8.03	78	18770	0.969	ug/l	91
41) Methacrylonitrile	7.14	41	486	0.202	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	5476	0.905	ug/l	91
43) Isopropyl Acetate	8.15	43	7891	0.918	ug/l #	86
44) Trichloroethene	8.82	130	4976	0.954	ug/l	97
45) 1,2-Dichloropropane	9.11	63	5154	0.985	ug/l	89
46) Dibromomethane	9.20	93	2758	0.854	ug/l	98
47) Bromodichloromethane	9.39	83	5448	0.895	ug/l #	79
48) Methyl methacrylate	9.19	41	3652	0.852	ug/l	86
49) 1,4-Dioxane	9.19	88	1503	17.742	ug/l #	95
51) 4-Methyl-2-Pentanone	9.98	43	21802	4.263	ug/l	94
52) Toluene	10.15	92	9951	0.852	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	4636	0.745	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	5964	0.811	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	4492	0.969	ug/l	97
56) Ethyl methacrylate	10.42	69	4836	0.756	ug/l #	93
57) 1,3-Dichloropropane	10.70	76	6658	0.868	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.68	63	7254	2.721	ug/l	99
59) 2-Hexanone	10.74	43	13836	3.897	ug/l	96
60) Dibromochloromethane	10.89	129	4143	0.890	ug/l	94
61) 1,2-Dibromoethane	11.00	107	3992	0.869	ug/l	97
64) Tetrachloroethene	10.62	164	5229	1.099	ug/l	91
65) Chlorobenzene	11.43	112	10973	0.962	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	4319	1.004	ug/l #	64
67) Ethyl Benzene	11.50	91	17289	0.877	ug/l	92
68) m/p-Xylenes	11.61	106	12705	1.721	ug/l	97
69) o-Xylene	11.94	106	6515	0.906	ug/l	95
70) Styrene	11.96	104	8524	0.744	ug/l	96
71) Bromoform	12.12	173	2587	0.873	ug/l #	93
73) Isopropylbenzene	12.24	105	15977	1.223	ug/l	97
74) N-amyl acetate	12.07	43	4305	0.996	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.50	83	5262	1.371	ug/l	93
76) 1,2,3-Trichloropropane	12.55	75	5358	1.716	ug/l #	100
77) Bromobenzene	12.52	156	3930	1.206	ug/l	93
78) n-propylbenzene	12.59	91	15506	1.125	ug/l	97
79) 2-Chlorotoluene	12.67	91	10560	1.226	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	12621	1.159	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	735	0.766	ug/l #	70
82) 4-Chlorotoluene	12.77	91	8578	1.049	ug/l	96
83) tert-Butylbenzene	12.99	119	12193	1.280	ug/l	96
84) 1,2,4-Trimethylbenzene	13.03	105	10824	1.044	ug/l	97
85) sec-Butylbenzene	13.17	105	13247	1.086	ug/l	99
86) p-Isopropyltoluene	13.28	119	11273	1.036	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	5054	0.966	ug/l	94
88) 1,4-Dichlorobenzene	13.28	146	5054	0.998	ug/l	93
89) n-Butylbenzene	13.61	91	7494	0.899	ug/l	95
90) Hexachloroethane	13.87	117	2431	1.292	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	5478	1.044	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.26	75	502	0.884	ug/l	77

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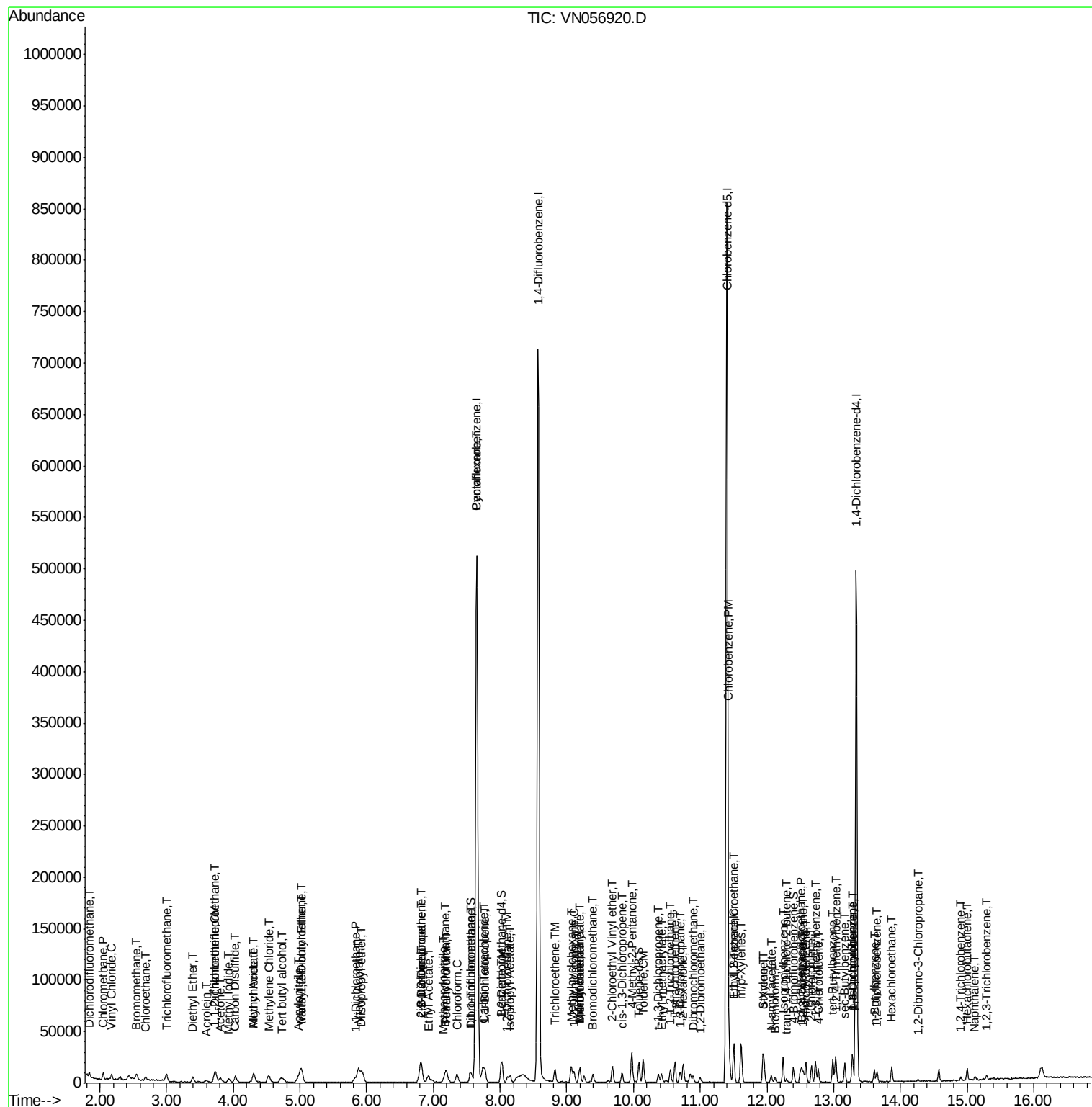
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1294	0.574	ug/l	90
94) Hexachlorobutadiene	15.00	225	2865	1.389	ug/l	92
95) Naphthalene	15.12	128	3279	0.554	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.29	180	1423	0.571	ug/l	80

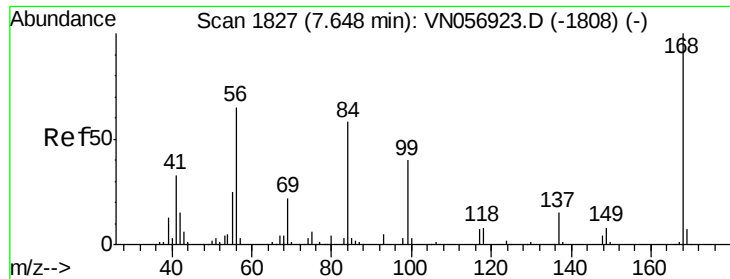
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

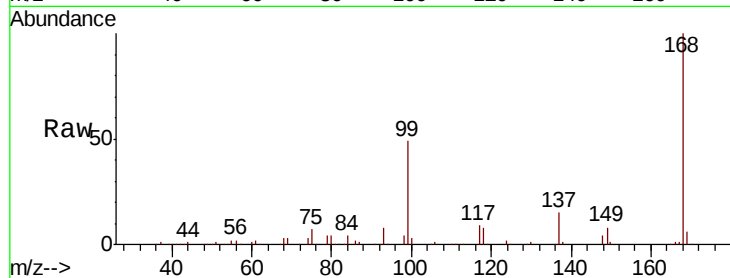
VSTDIC001

Tot Ion:168 Resp: 446946

Ion Ratio Lower Upper

168 100

99 48.5 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

150000

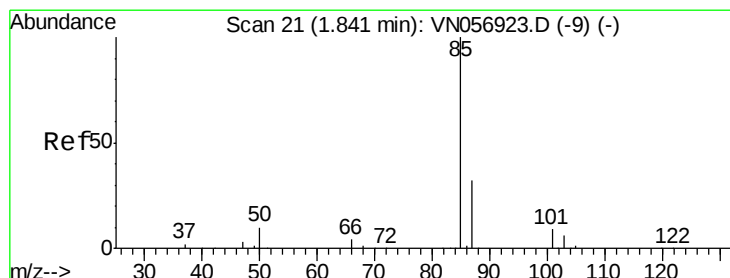
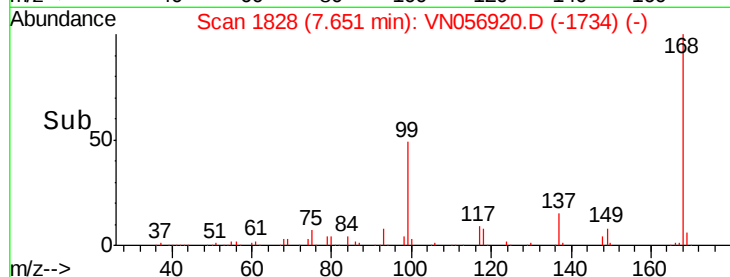
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.757 ug/l

RT: 1.84 min Scan# 21

Delta R.T. -0.00 min

Lab File: VN056920.D

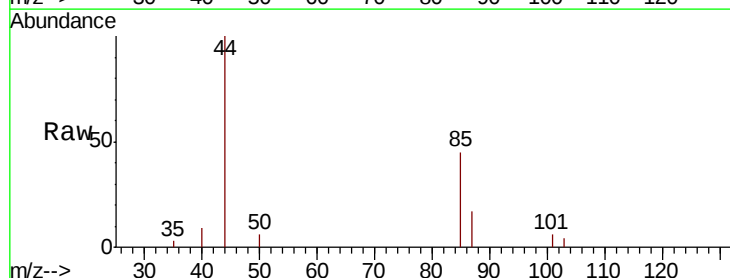
Acq: 25 Jul 2019 14:05

Tgt Ion: 85 Resp: 3732

Ion Ratio Lower Upper

85 100

87 36.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

3000

2500

2000

1500

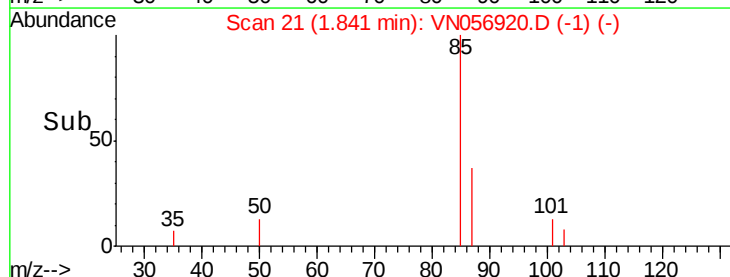
1000

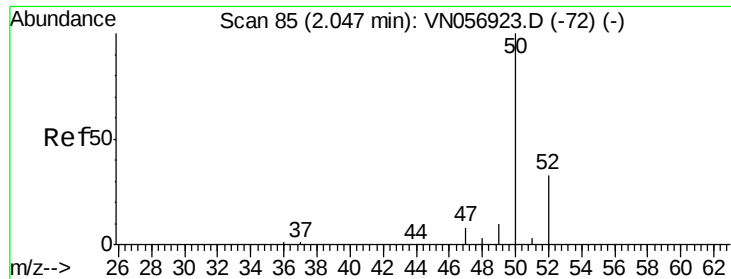
500

0

1.80 1.85

Time-->

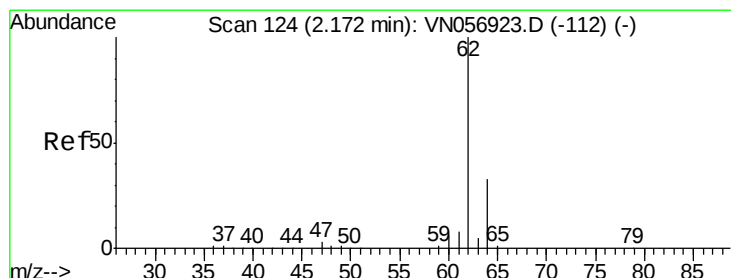
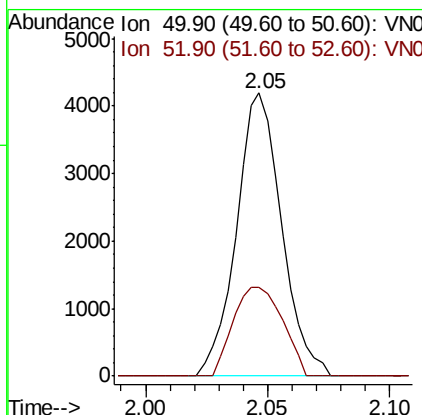
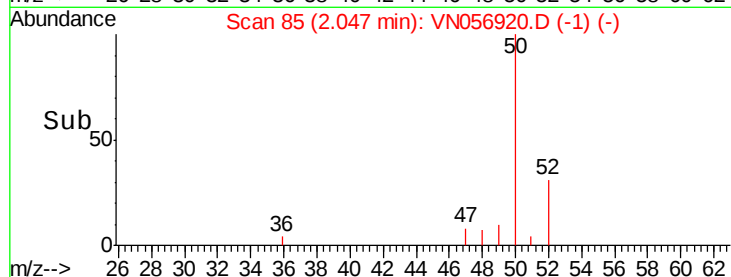
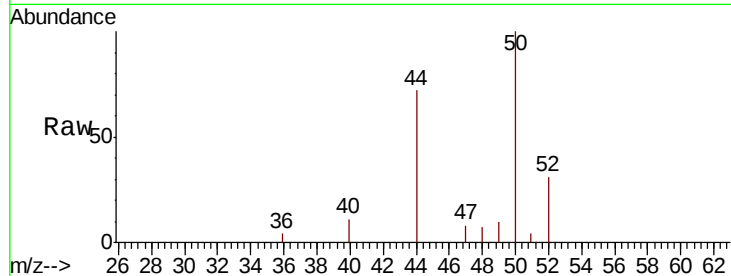




#3
 Chloromethane
 Concen: 0.872 ug/l
 RT: 2.05 min Scan# 85
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

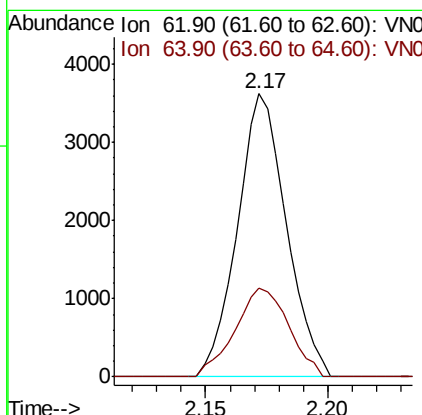
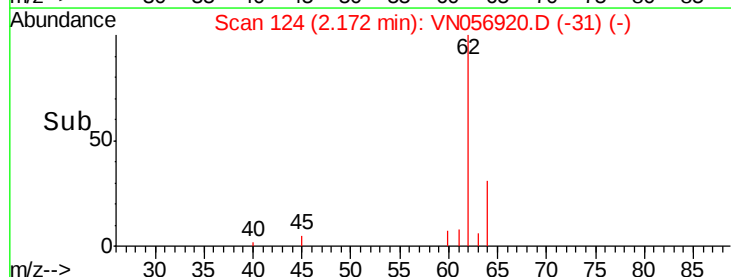
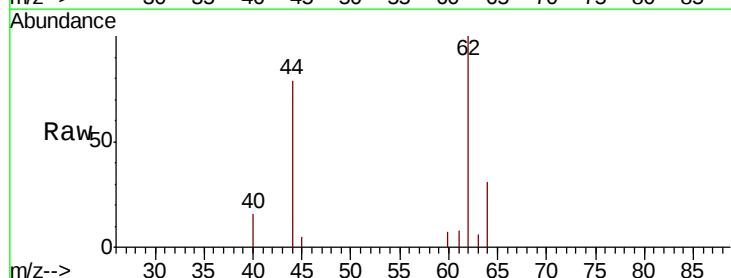
Instrument :
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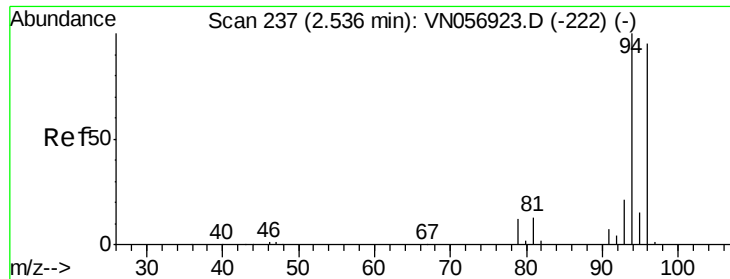
Tot Ion: 50 Resp: 5368
 Ion Ratio Lower Upper
 50 100
 52 31.4 26.8 40.2



#4
 Vinyl Chloride
 Concen: 0.889 ug/l
 RT: 2.17 min Scan# 124
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion: 62 Resp: 5030
 Ion Ratio Lower Upper
 62 100
 64 31.4 26.4 39.6





#5

Bromomethane

Concen: 1.086 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

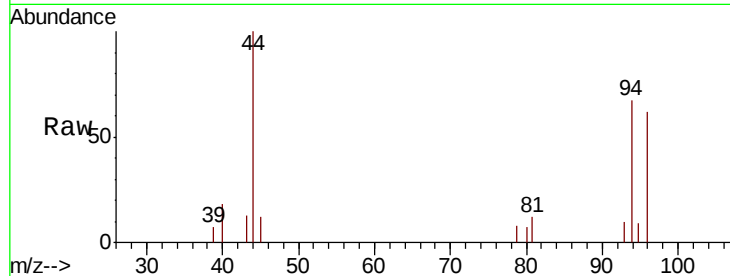
VSTDIC001

Tot Ion: 94 Resp: 3756

Ion Ratio Lower Upper

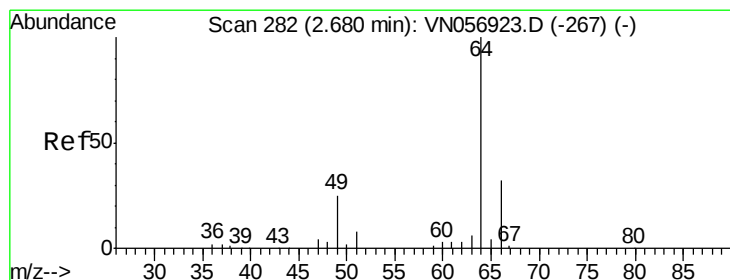
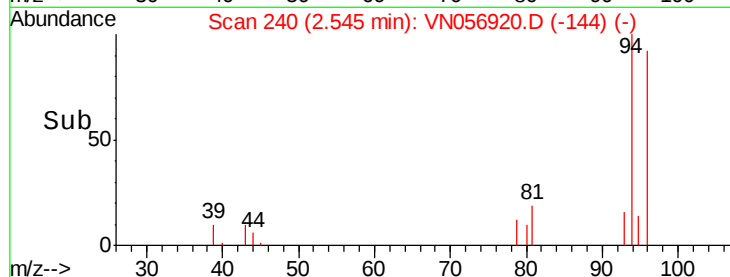
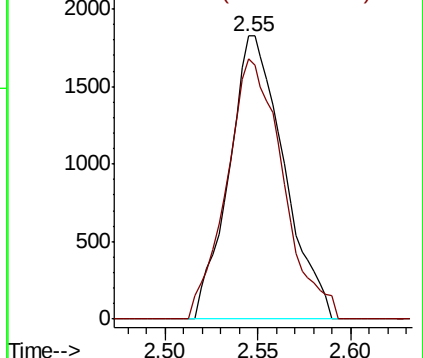
94 100

96 92.1 75.7 113.5



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.034 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN056920.D

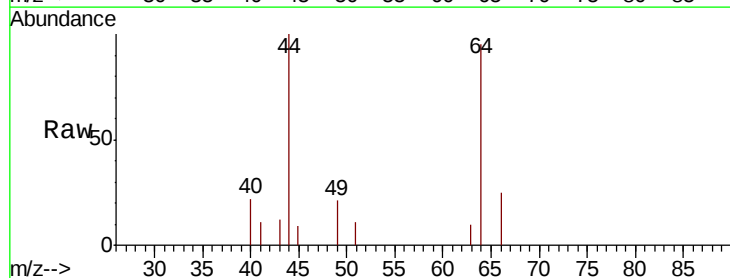
Acq: 25 Jul 2019 14:05

Tgt Ion: 64 Resp: 3232

Ion Ratio Lower Upper

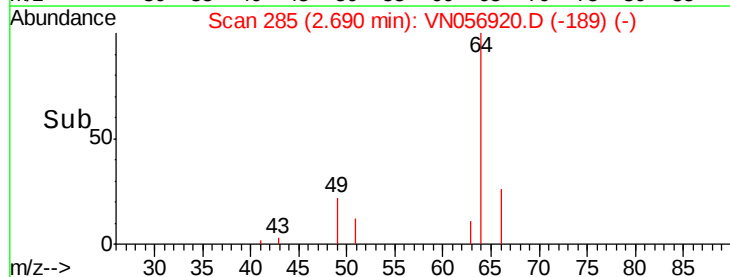
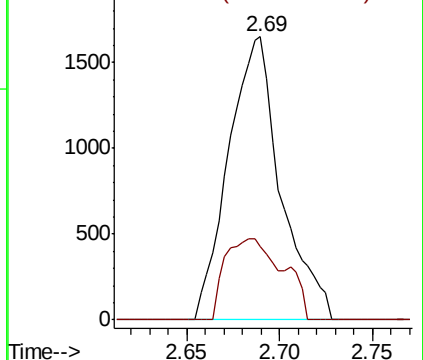
64 100

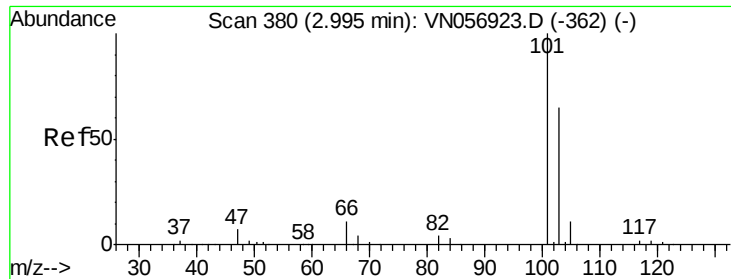
66 26.0 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



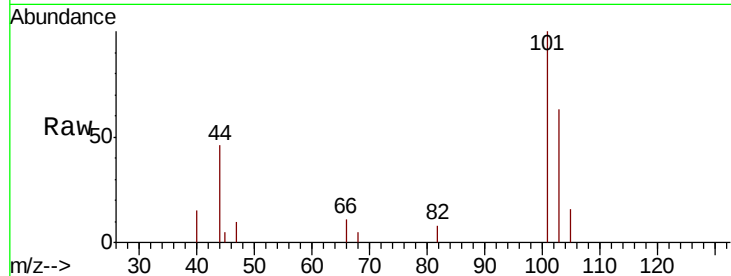


#7

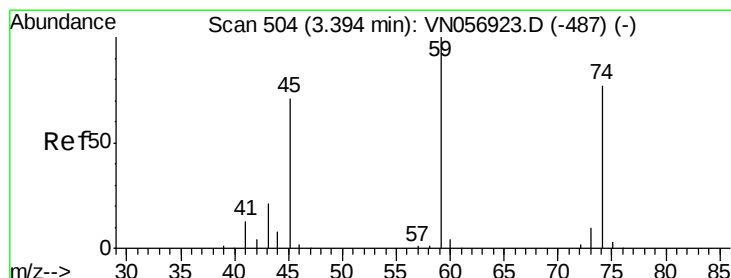
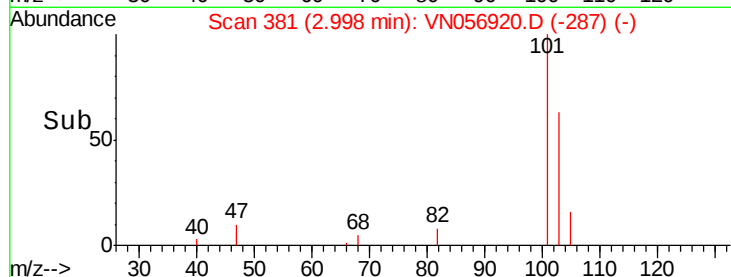
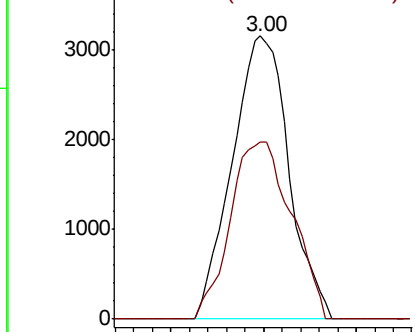
Trichlorofluoromethane
 Concen: 0.951 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN056920.D
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Instrument :
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Tot Ion:101 Resp: 6709
 Ion Ratio Lower Upper
 101 100
 103 62.6 52.0 78.0



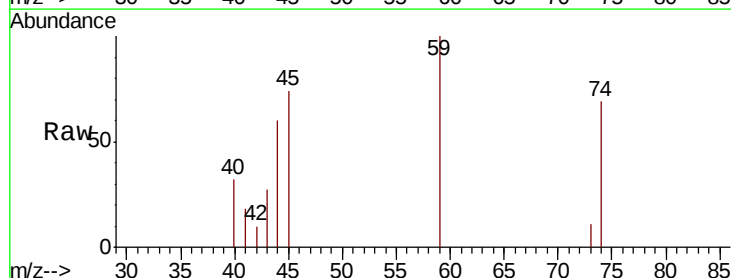
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



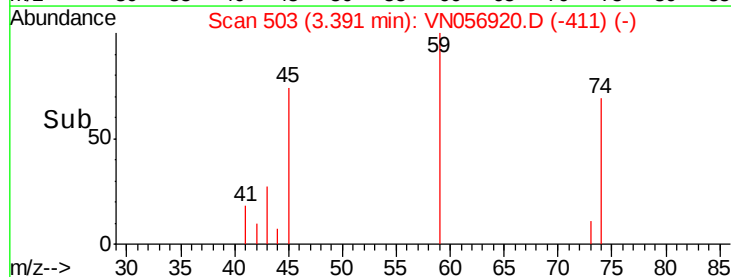
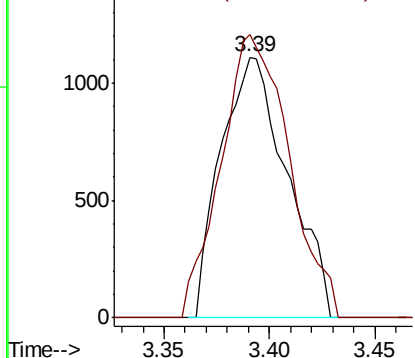
#8

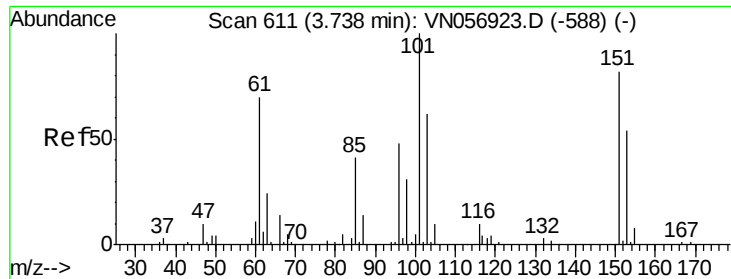
Diethyl Ether
 Concen: 0.922 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN056920.D
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Tgt Ion: 74 Resp: 2435
 Ion Ratio Lower Upper
 74 100
 45 111.0 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO

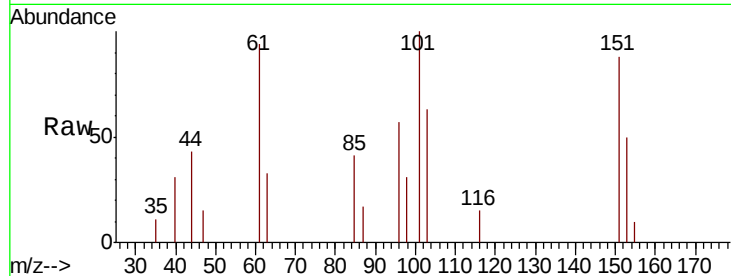




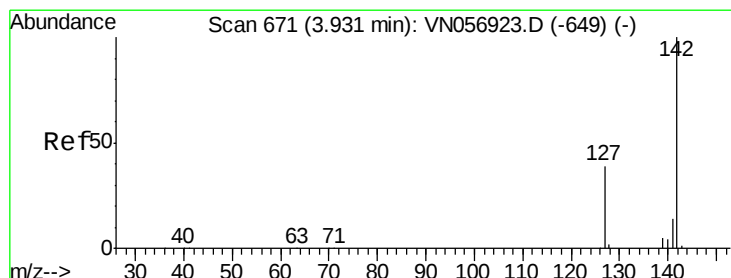
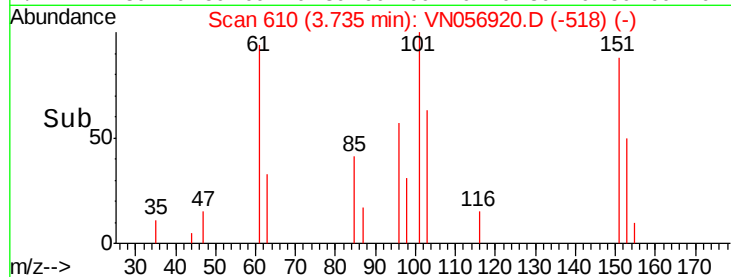
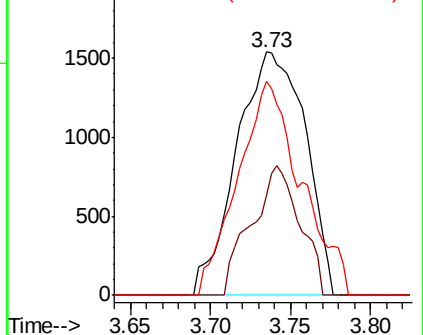
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.050 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:101 Resp: 4557
 Ion Ratio Lower Upper
 101 100
 85 37.5 32.7 49.1
 151 80.9 67.4 101.0

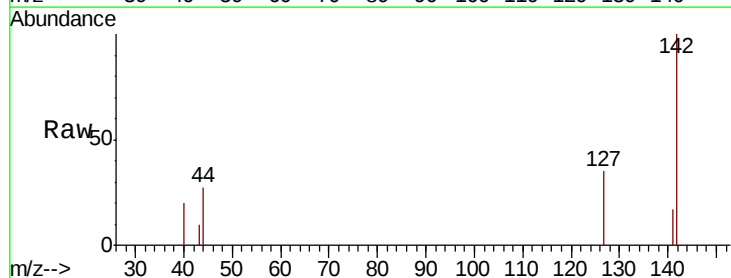


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

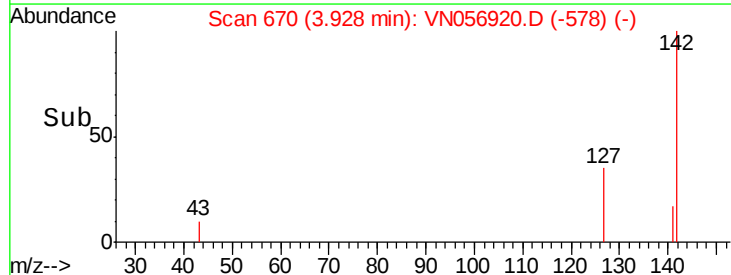
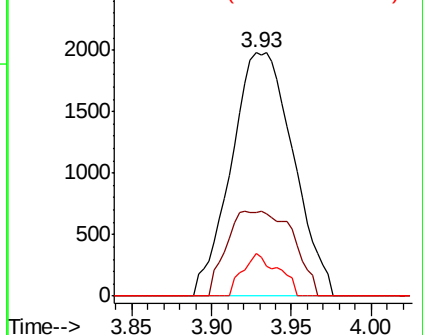


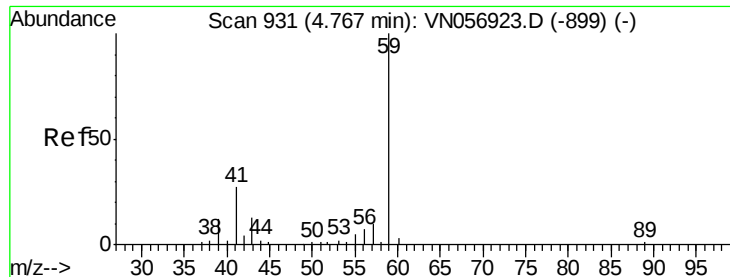
#10
 Methyl Iodide
 Concen: 0.904 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion:142 Resp: 5256
 Ion Ratio Lower Upper
 142 100
 127 37.0 30.5 45.7
 141 10.0 11.1 16.7#



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



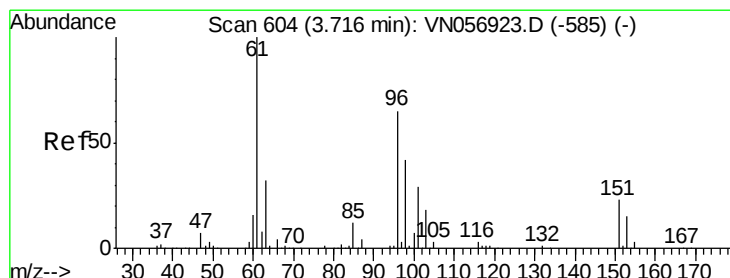
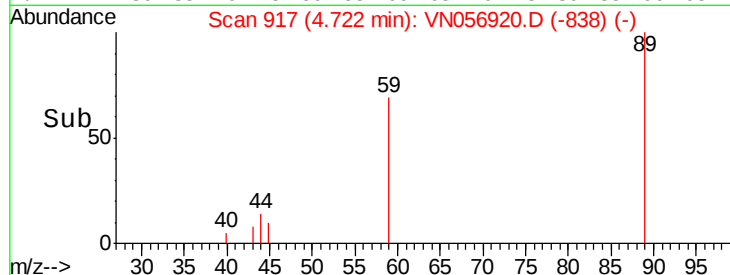
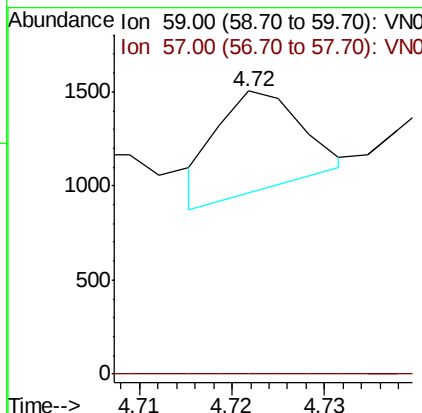
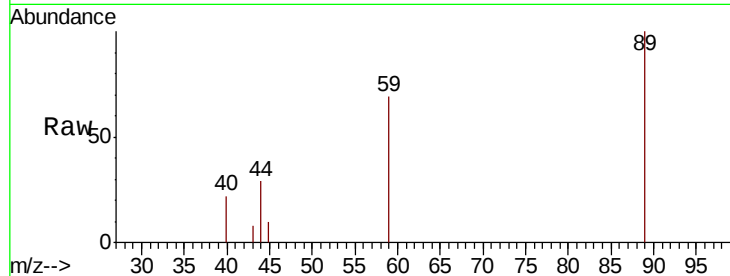


#11

Tert butyl alcohol
 Concen: 0.517 ug/l
 RT: 4.72 min Scan# 917
 Delta R.T. -0.05 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

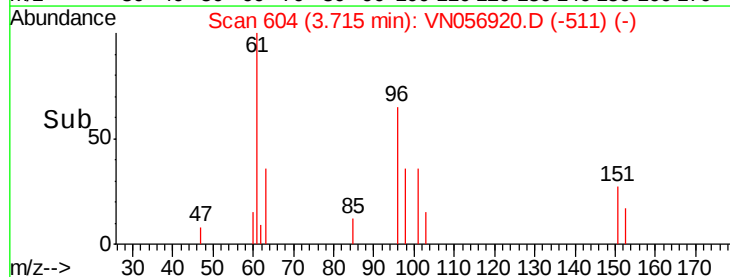
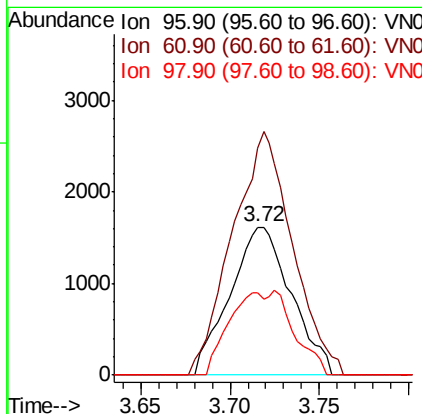
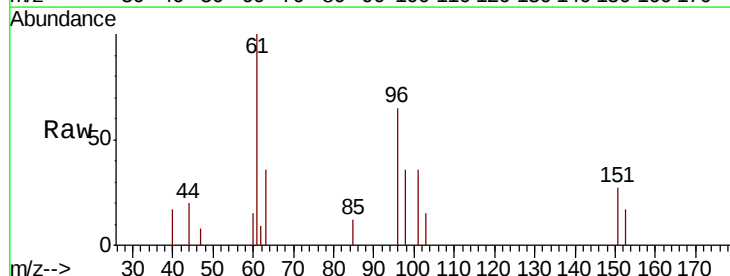
Tot Ion: 59 Resp: 345
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#

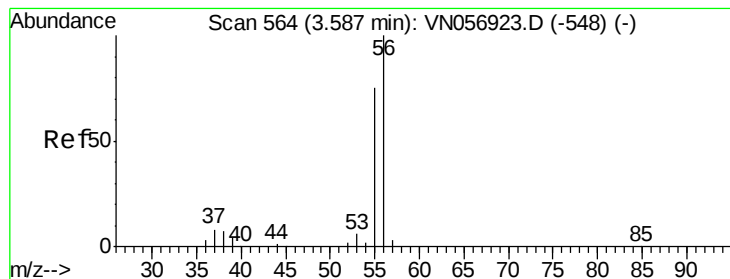


#12

1,1-Dichloroethene
 Concen: 0.893 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion: 96 Resp: 3873
 Ion Ratio Lower Upper
 96 100
 61 152.9 122.4 183.6
 98 55.6 51.3 76.9





#13

Acrolein

Concen: 3.295 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

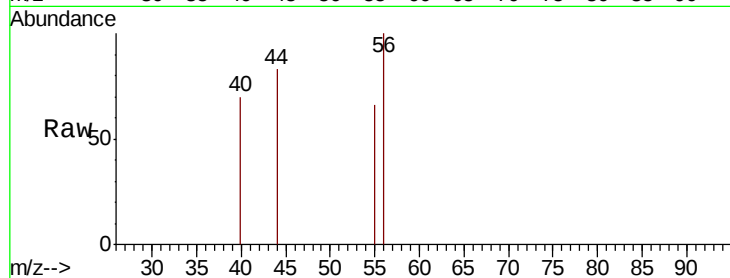
VSTDIC001

Tot Ion: 56 Resp: 1692

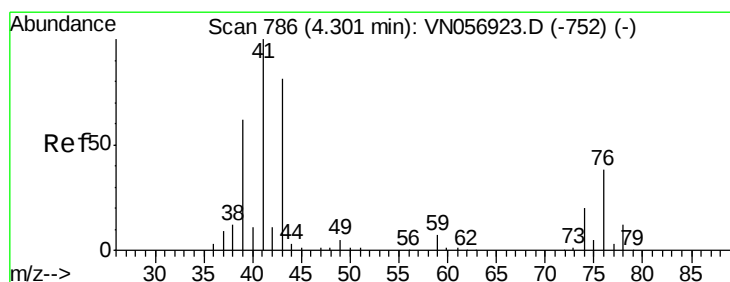
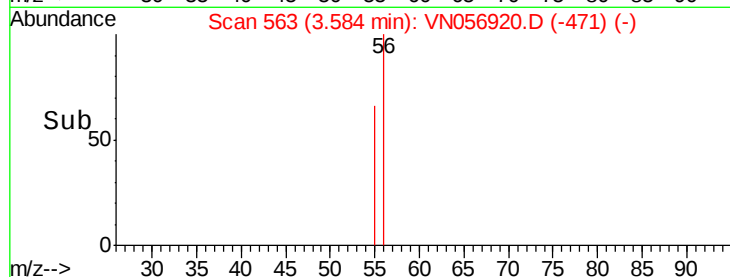
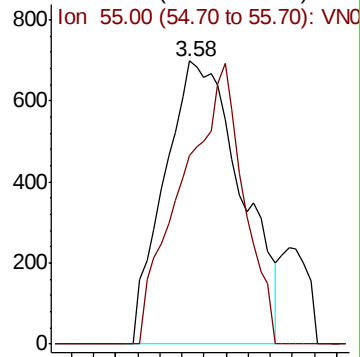
Ion Ratio Lower Upper

56 100

55 78.5 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VN056920.D (-471) (-)



#14

Allyl chloride

Concen: 0.916 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

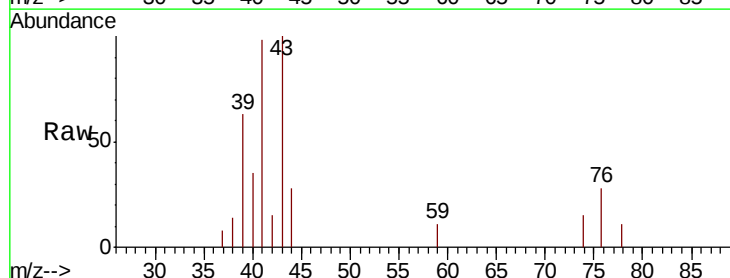
Tgt Ion: 41 Resp: 6516

Ion Ratio Lower Upper

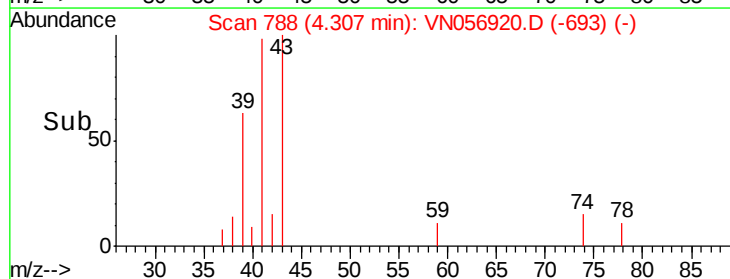
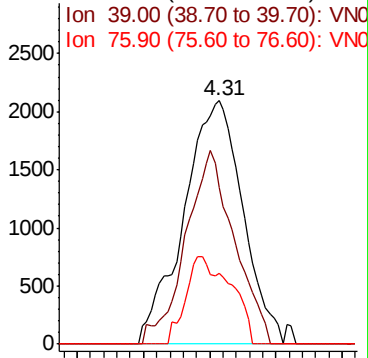
41 100

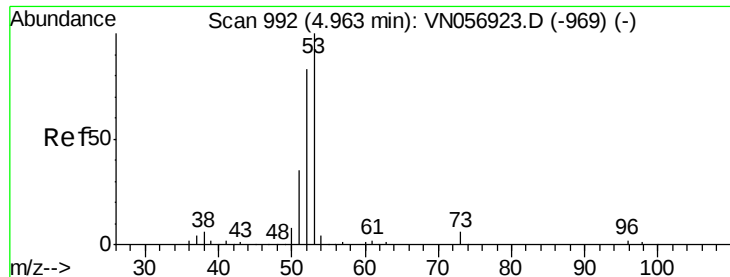
39 65.1 47.5 71.3

76 27.3 28.0 42.0#



Abundance Ion 41.00 (40.70 to 41.70): VN056920.D (-693) (-)





#15

Acrylonitrile

Concen: 4.161 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

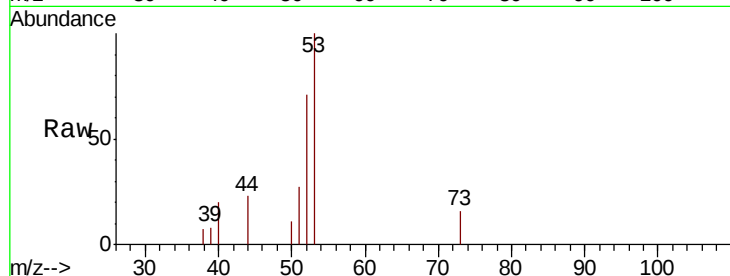
Tot Ion: 53 Resp: 8412

Ion Ratio Lower Upper

53 100

52 75.1 65.5 98.3

51 30.0 28.1 42.1

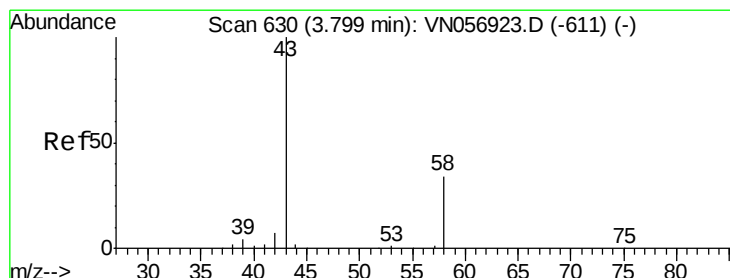
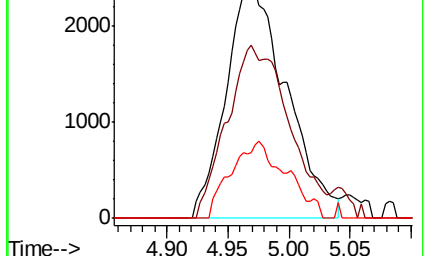
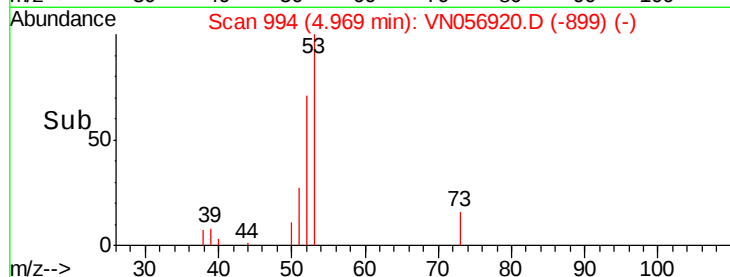


Abundance Ion 53.00 (52.70 to 53.70): VN056920.D (-899) (-)

Ion 52.00 (51.70 to 52.70): VN056920.D (-899) (-)

Ion 51.00 (50.70 to 51.70): VN056920.D (-899) (-)

Time-->



#16

Acetone

Concen: 4.428 ug/l

RT: 3.80 min Scan# 630

Delta R.T. -0.00 min

Lab File: VN056920.D

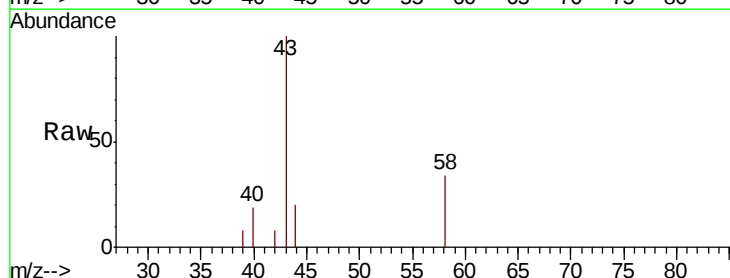
Acq: 25 Jul 2019 14:05

Tgt Ion: 43 Resp: 7674

Ion Ratio Lower Upper

43 100

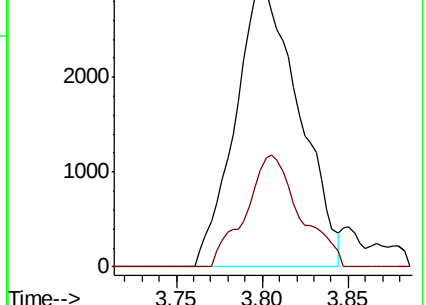
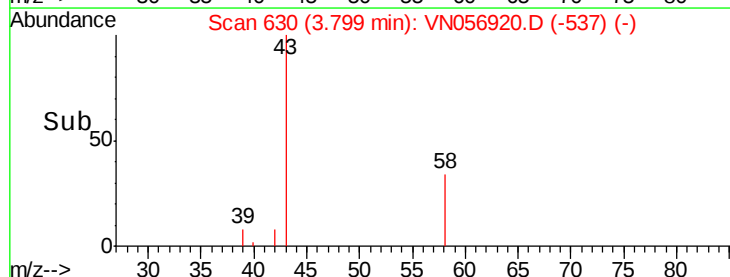
58 34.1 27.3 40.9

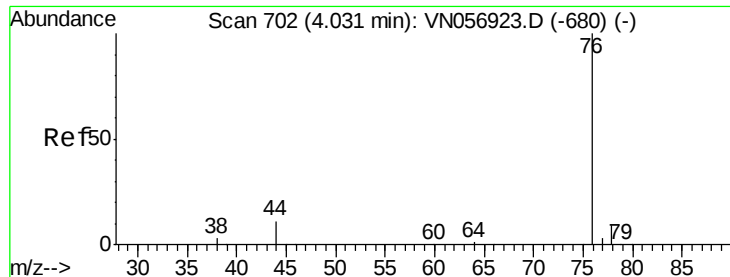


Abundance Ion 43.00 (42.70 to 43.70): VN056920.D (-537) (-)

Ion 58.00 (57.70 to 58.70): VN056920.D (-537) (-)

Time-->





#17

Carbon Disulfide

Concen: 0.950 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

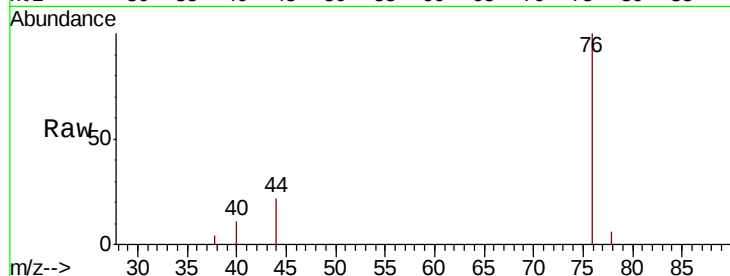
VSTDIC001

Tot Ion: 76 Resp: 11179

Ion Ratio Lower Upper

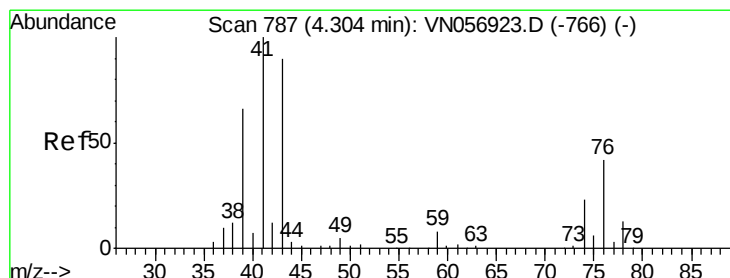
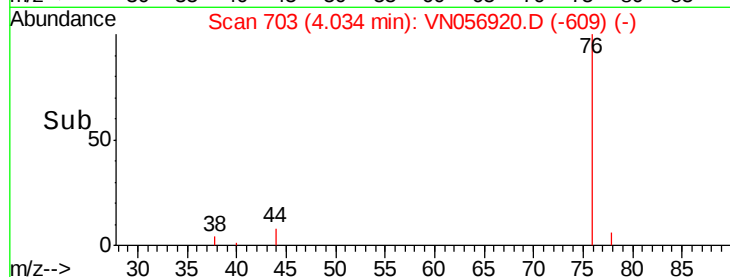
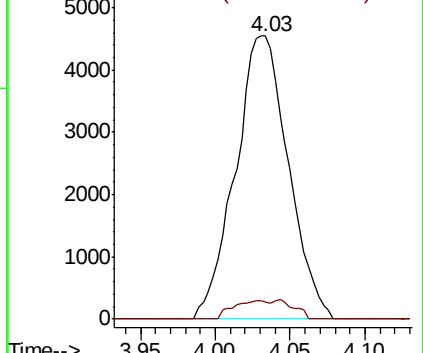
76 100

78 6.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN056920.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN056920.D (-609) (-)



#18

Methyl Acetate

Concen: 0.973 ug/l

RT: 4.30 min Scan# 787

Delta R.T. -0.00 min

Lab File: VN056920.D

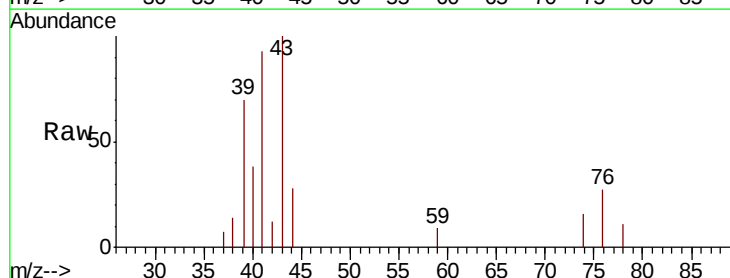
Acq: 25 Jul 2019 14:05

Tgt Ion: 43 Resp: 6505

Ion Ratio Lower Upper

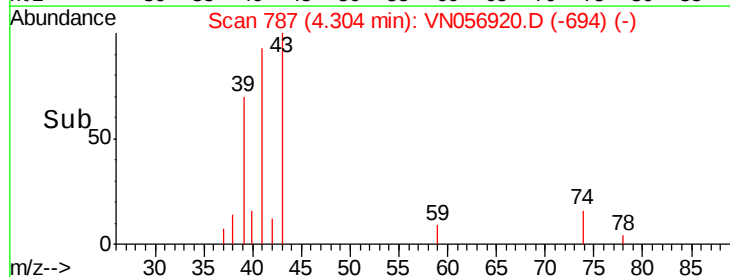
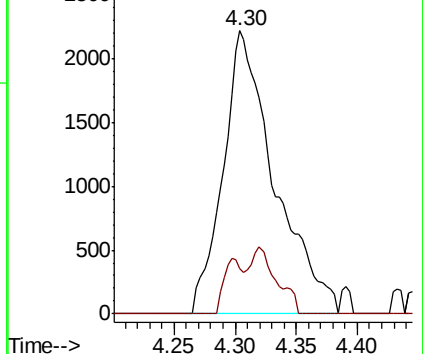
43 100

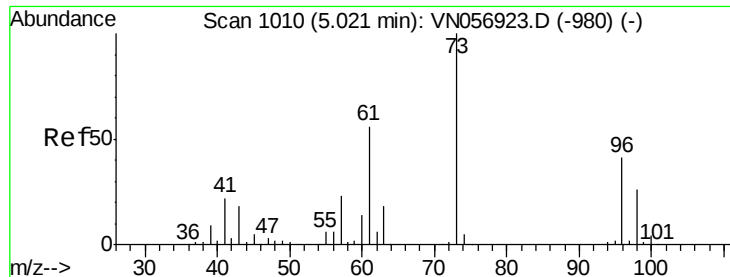
74 7.1 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VN056920.D (-694) (-)

Ion 74.00 (73.70 to 74.70): VN056920.D (-694) (-)

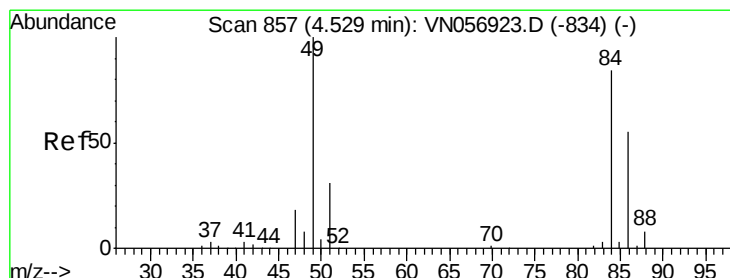
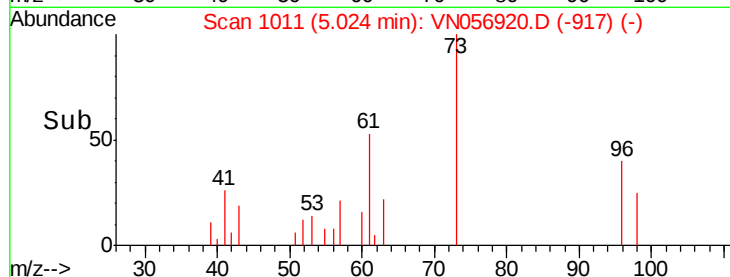
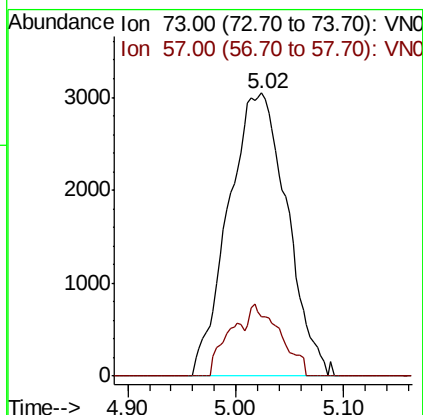
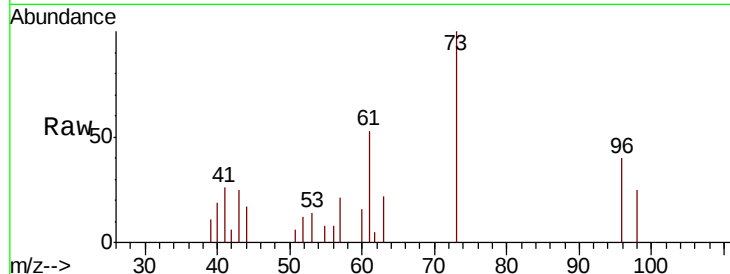




#19
Methyl tert-butyl Ether
Concen: 0.899 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

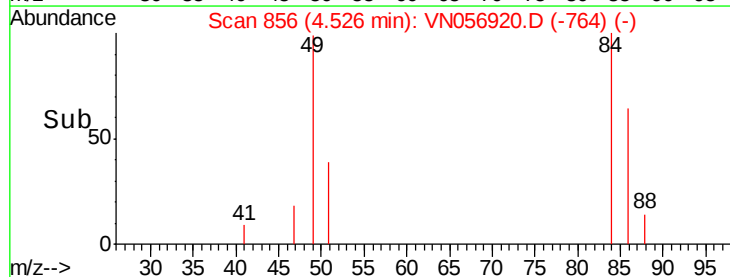
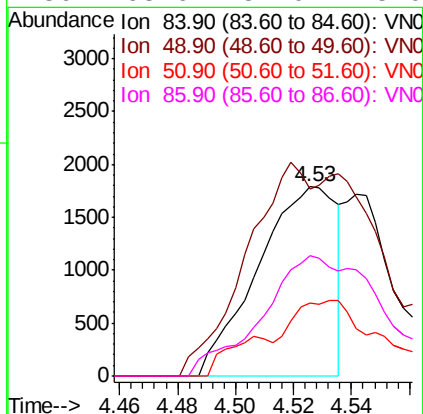
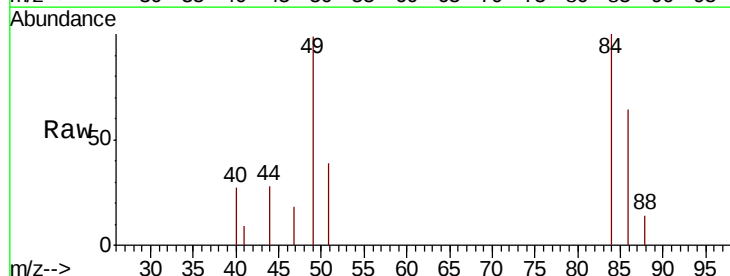
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

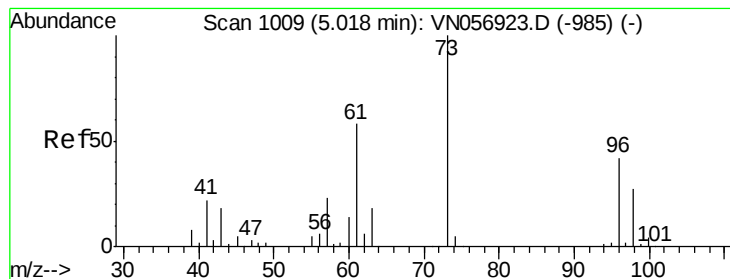
Tot Ion: 73 Resp: 11493
Ion Ratio Lower Upper
73 100
57 20.8 18.2 27.4



#20
Methylene Chloride
Concen: 0.661 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion: 84 Resp: 3377
Ion Ratio Lower Upper
84 100
49 88.6 95.0 142.6#
51 38.6 29.8 44.8
86 63.6 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 0.958 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

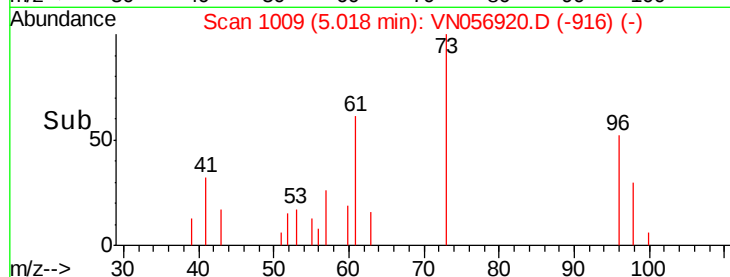
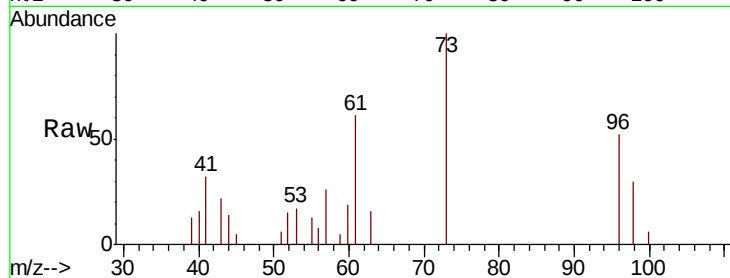
Tot Ion: 96 Resp: 4341

Ion Ratio Lower Upper

96 100

61 117.9 109.9 164.9

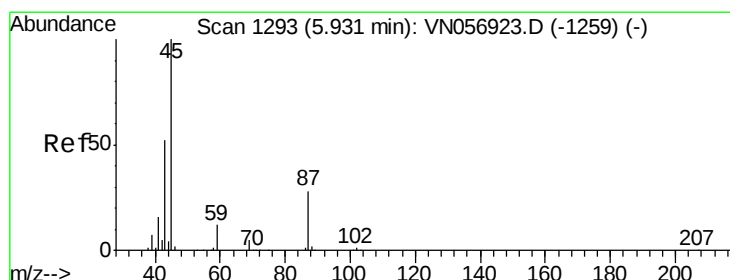
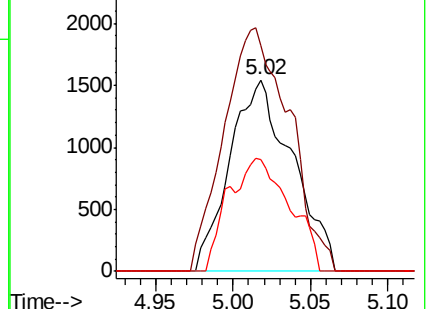
98 58.4 51.0 76.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 0.868 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Tgt Ion: 45 Resp: 12481

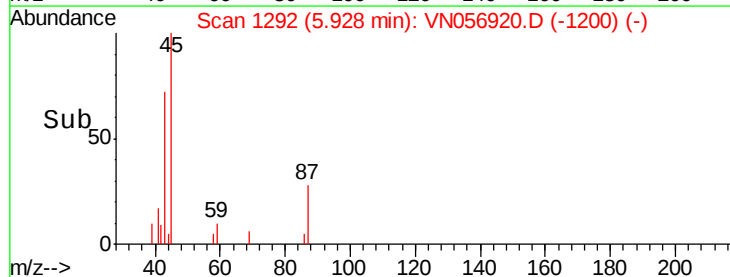
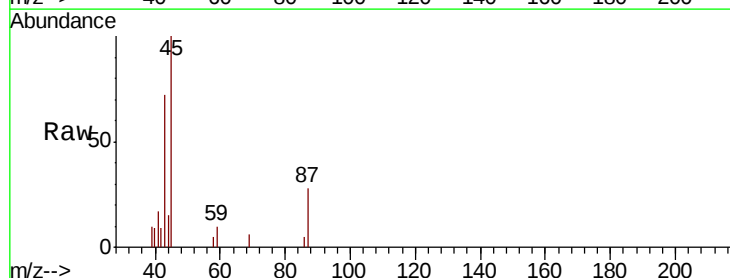
Ion Ratio Lower Upper

45 100

43 66.4 44.7 67.1

87 27.9 23.1 34.7

59 10.4 9.7 14.5

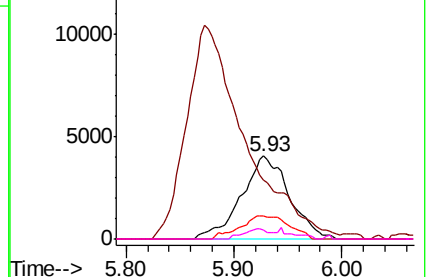


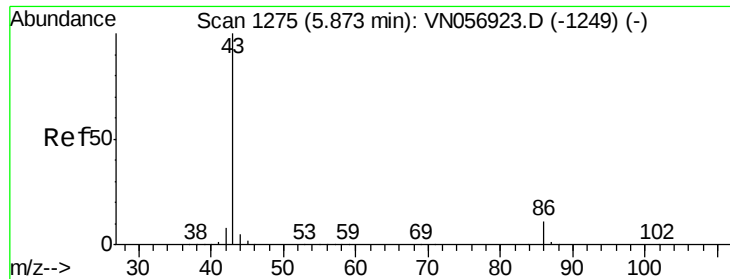
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

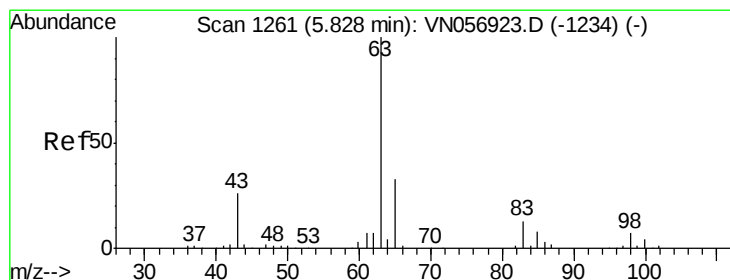
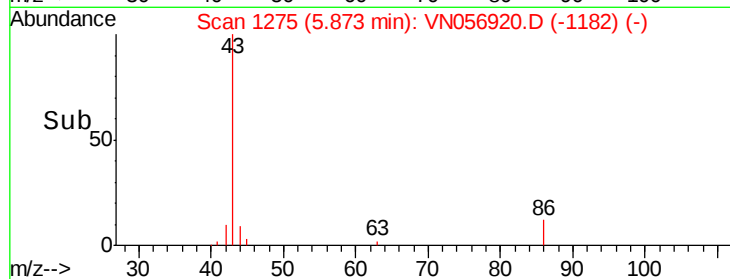
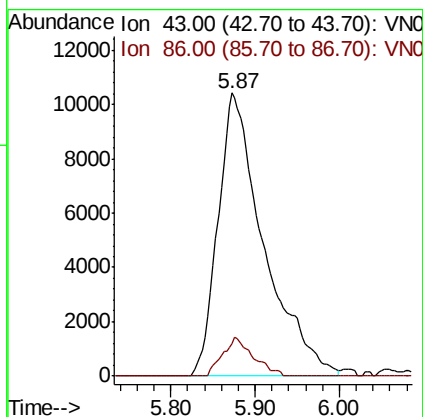
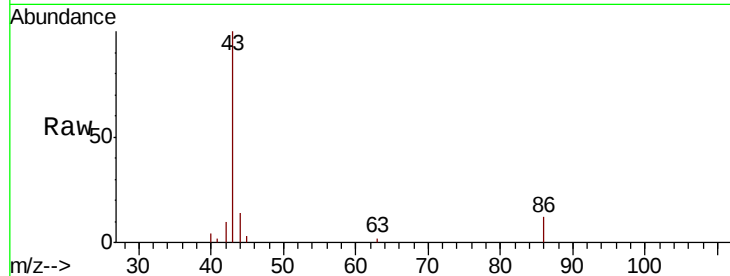




#23
 Vinyl Acetate
 Concen: 3.796 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

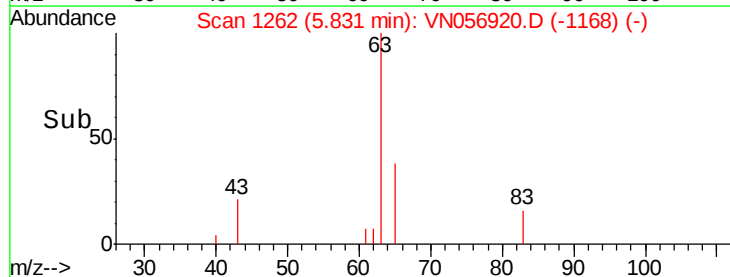
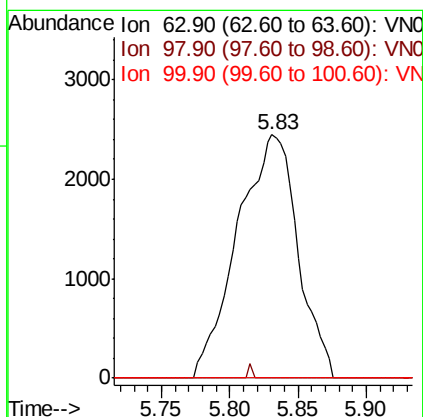
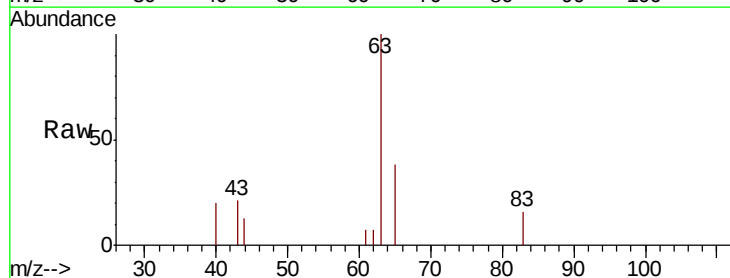
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

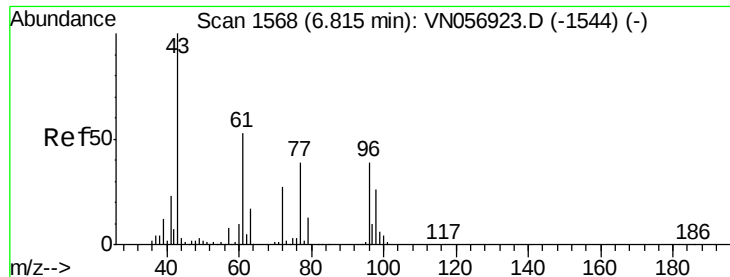
Tot Ion: 43 Resp: 39175
 Ion Ratio Lower Upper
 43 100
 86 11.7 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 0.902 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion: 63 Resp: 7526
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.4 10.1#
 100 0.0 2.1 6.3#





#25

2-Butanone

Concen: 4.564 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

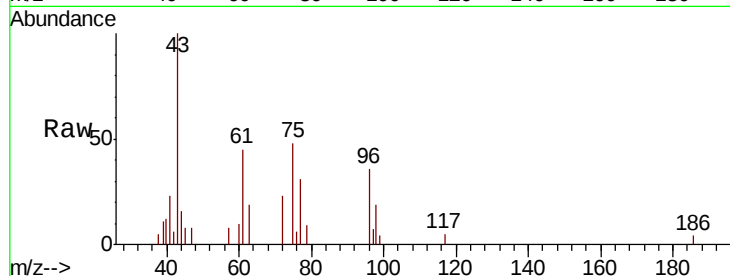
VSTDIC001

Tot Ion: 43 Resp: 11501

Ion Ratio Lower Upper

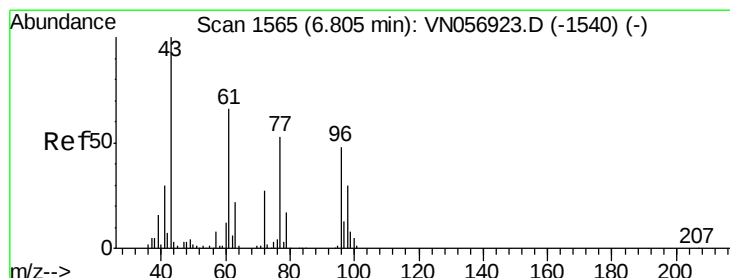
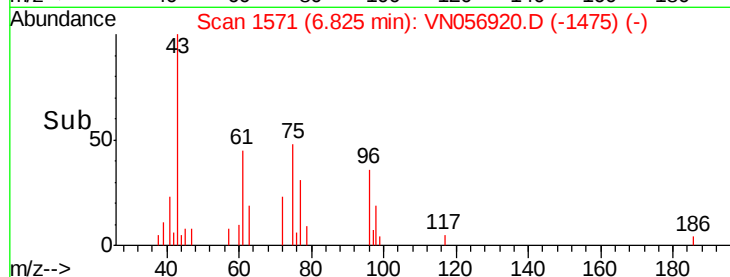
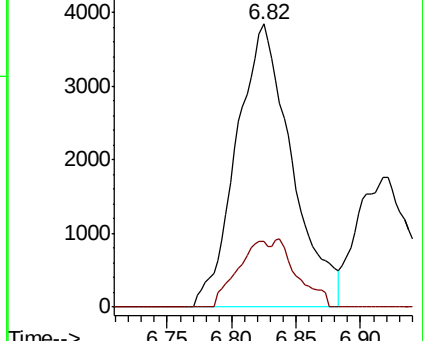
43 100

72 23.0 21.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 0.942 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN056920.D

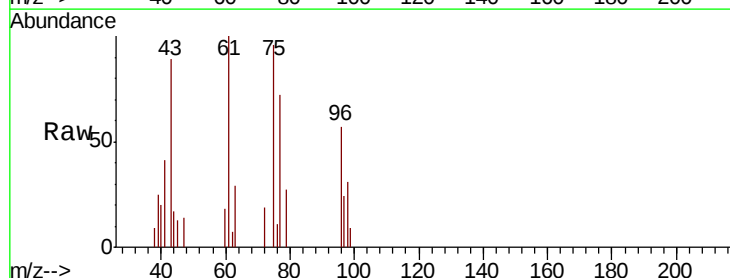
Acq: 25 Jul 2019 14:05

Tgt Ion: 77 Resp: 5578

Ion Ratio Lower Upper

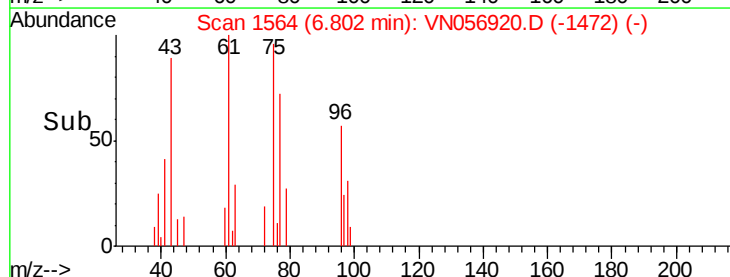
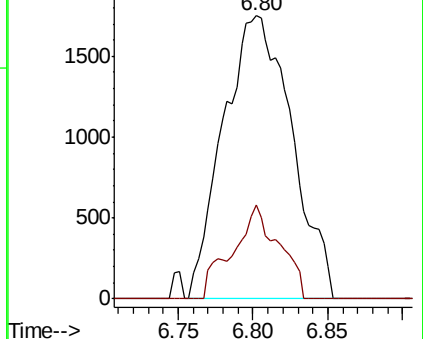
77 100

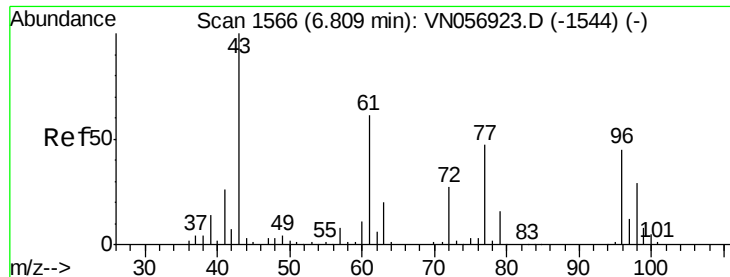
97 22.4 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 0.864 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

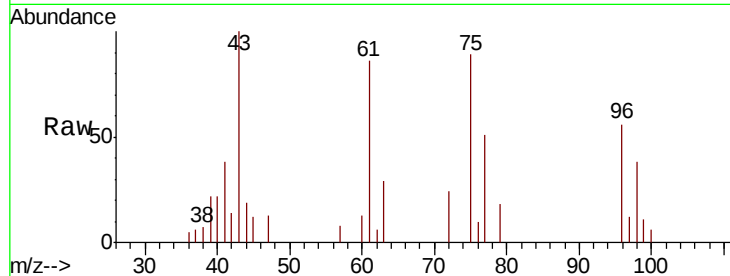
Tot Ion: 96 Resp: 4498

Ion Ratio Lower Upper

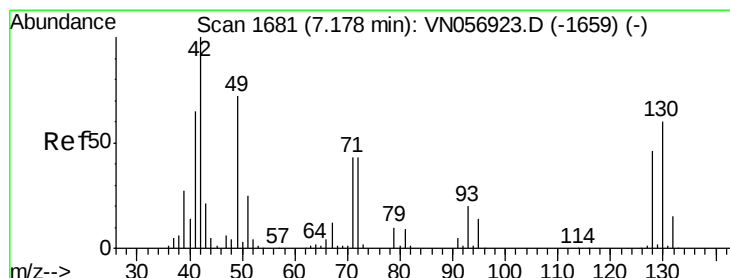
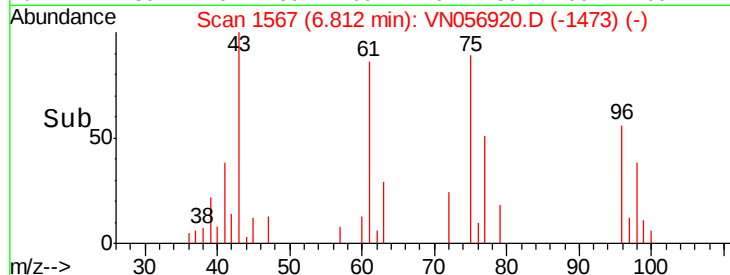
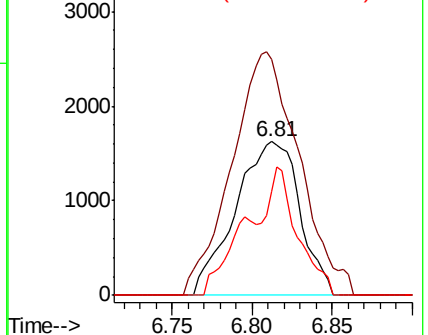
96 100

61 165.6 0.0 278.8

98 38.8 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.914 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.01 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

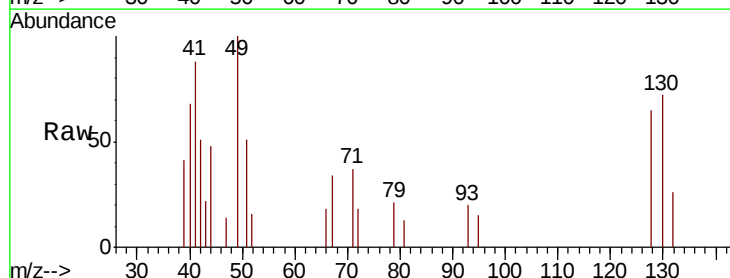
Tgt Ion: 49 Resp: 3469

Ion Ratio Lower Upper

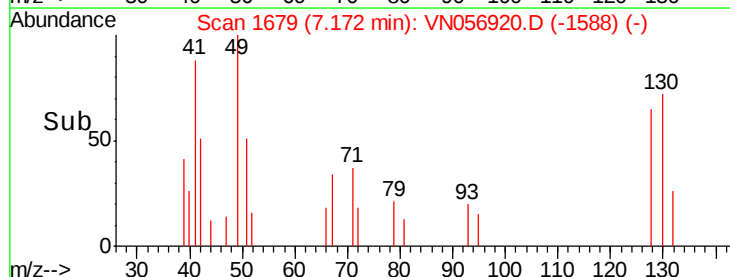
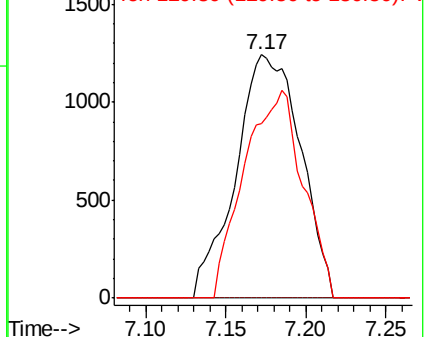
49 100

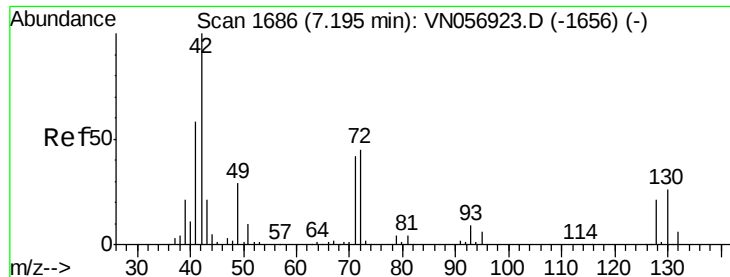
129 0.0 0.0 4.4

130 77.2 67.3 100.9



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

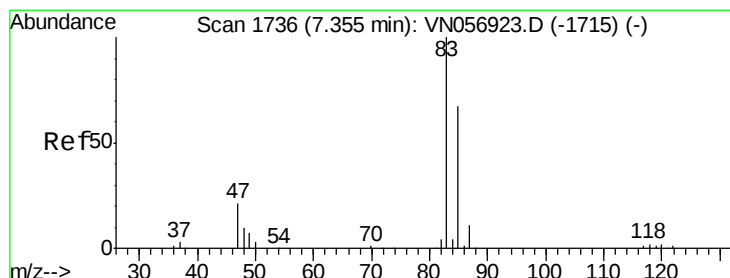
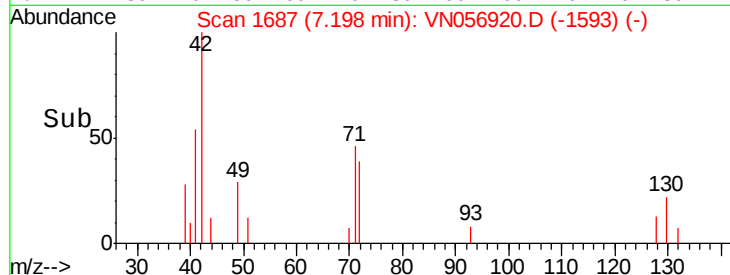
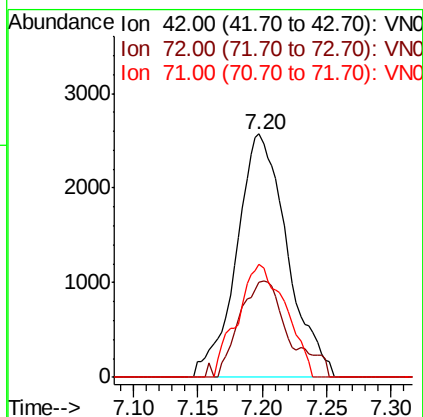
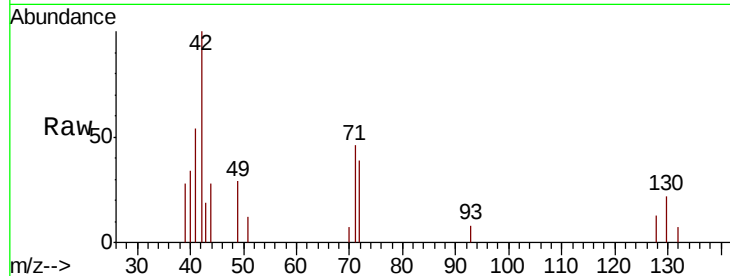




#29
Tetrahydrofuran
Concen: 4.101 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

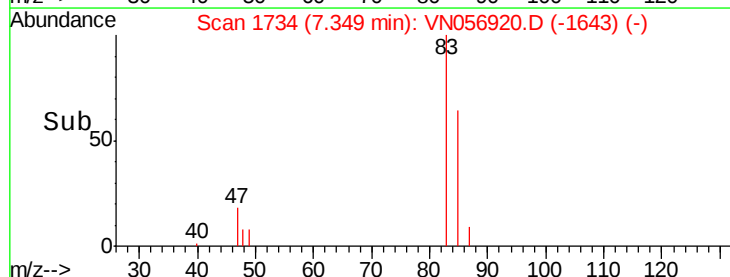
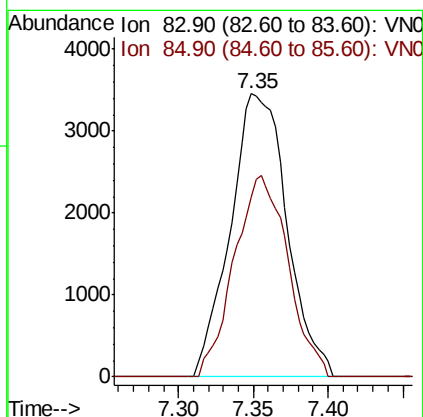
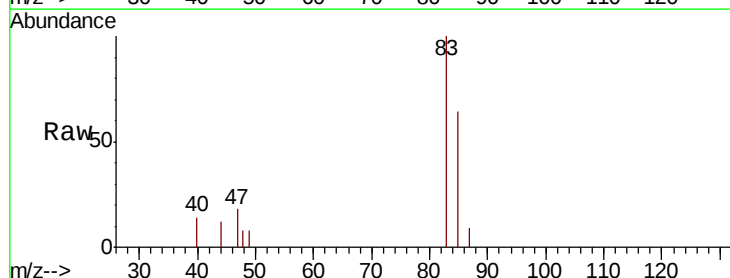
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

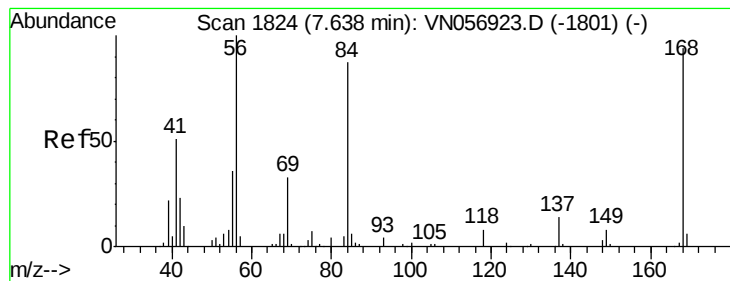
Tot Ion: 42 Resp: 7032
Ion Ratio Lower Upper
42 100
72 38.4 35.5 53.3
71 44.1 33.0 49.6



#30
Chloroform
Concen: 1.086 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.01 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion: 83 Resp: 9101
Ion Ratio Lower Upper
83 100
85 63.5 53.5 80.3





#31

Cyclohexane

Concen: 1.574 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

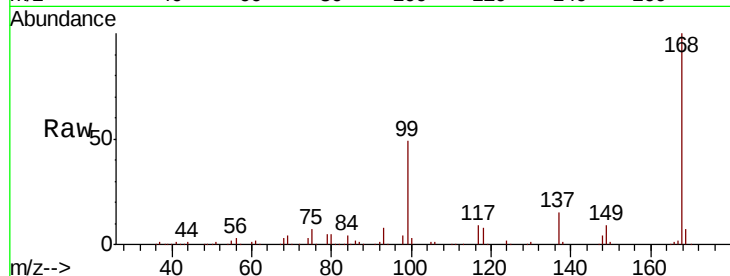
Tot Ion: 56 Resp: 12697

Ion Ratio Lower Upper

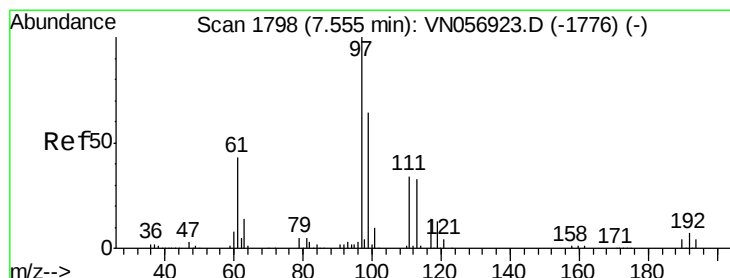
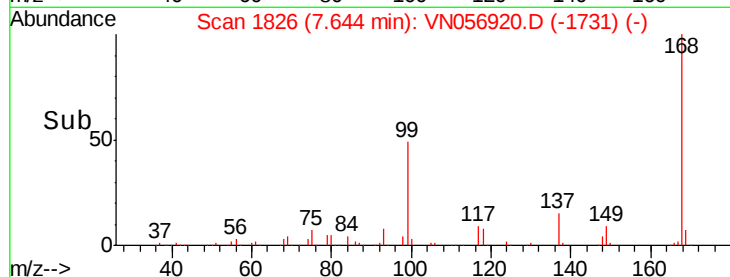
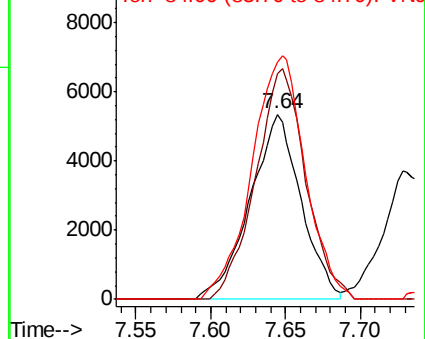
56 100

69 122.1 26.3 39.5#

84 127.9 69.6 104.4#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 0.971 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

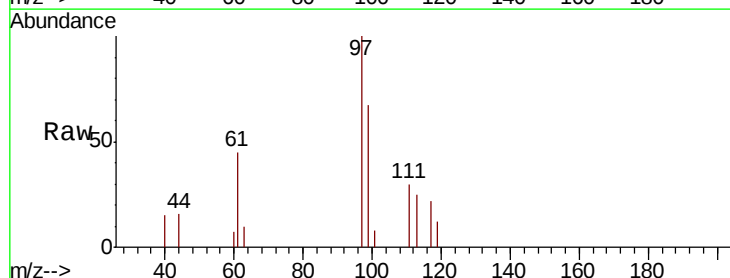
Tgt Ion: 97 Resp: 6580

Ion Ratio Lower Upper

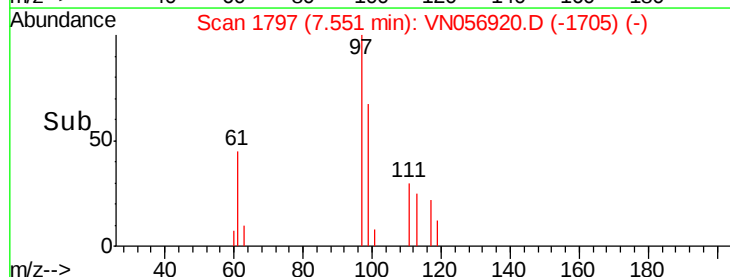
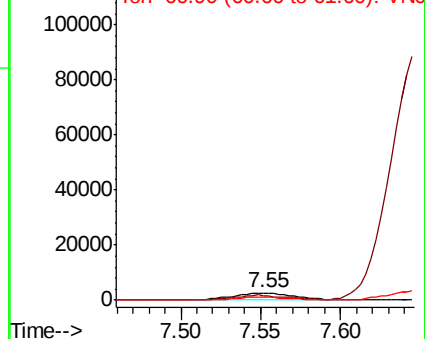
97 100

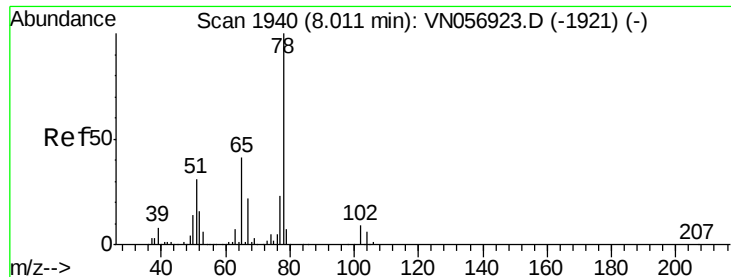
99 0.0 51.6 77.4#

61 38.0 33.8 50.6



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 1.025 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampled :

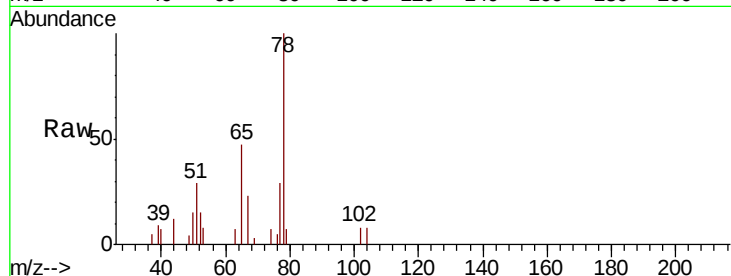
VSTDIC001

Tot Ion: 65 Resp: 4940

Ion Ratio Lower Upper

65 100

67 47.9 0.0 109.2



Abundance Ion 64.90 (64.60 to 65.60): VN056920.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN056920.D (-1847) (-)

8.01

2500

2000

1500

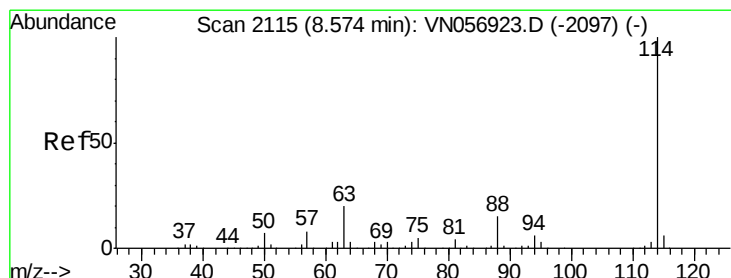
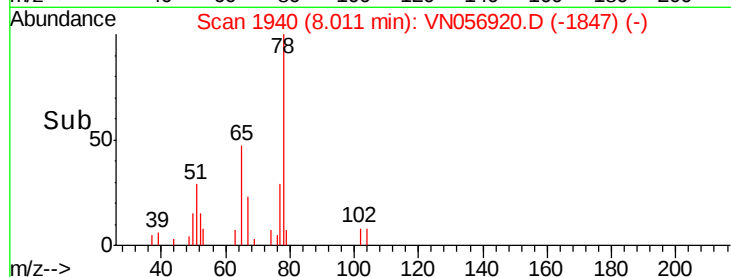
1000

500

0

7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

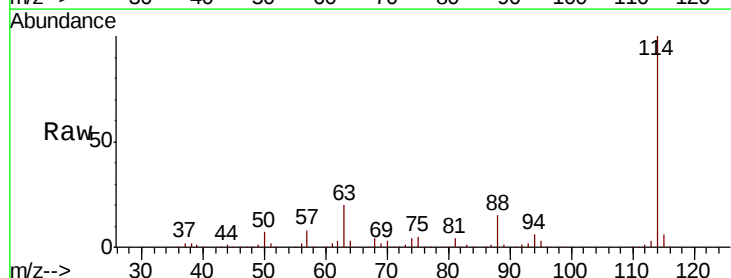
Tgt Ion: 114 Resp: 674420

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN056920.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN056920.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN056920.D (-2022) (-)

8.57

400000

300000

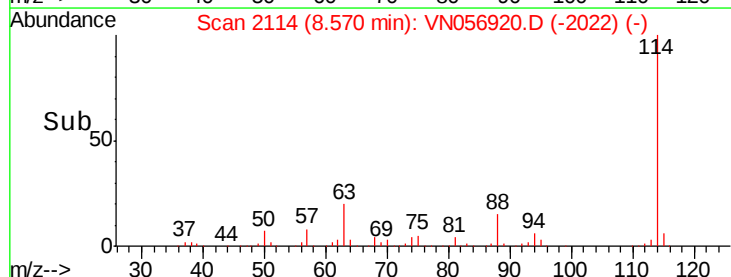
200000

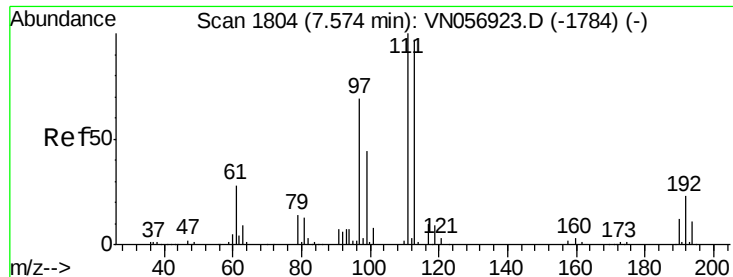
100000

0

8.50 8.60 8.70

Time-->

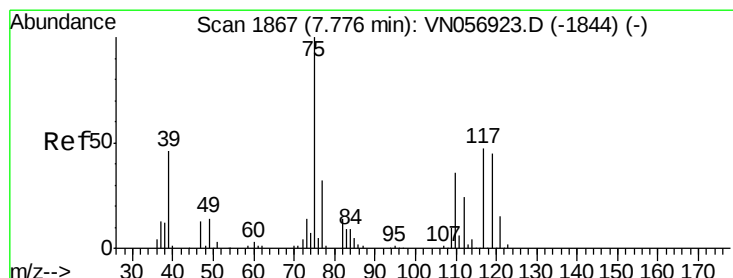
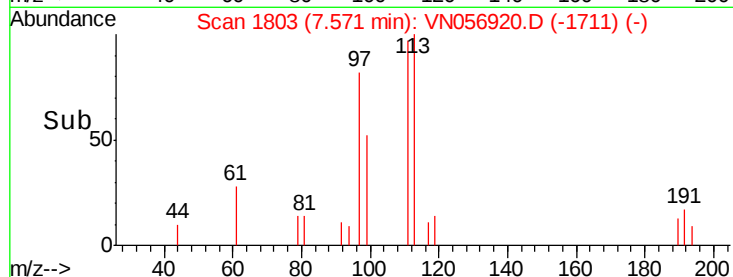
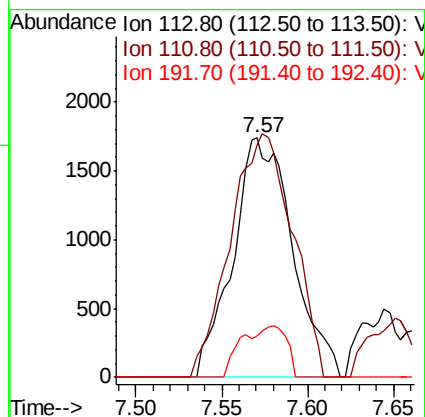
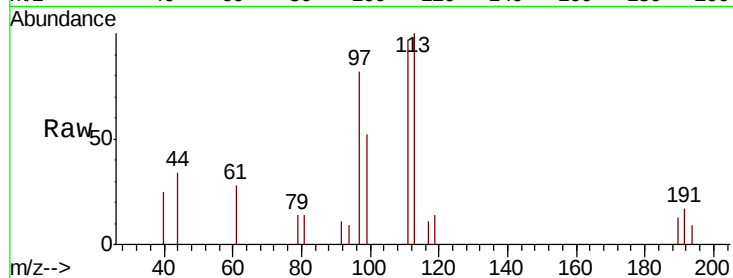




#35
 Dibromofluoromethane
 Concen: 0.966 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

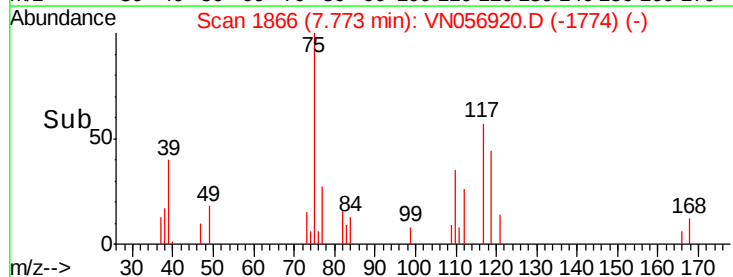
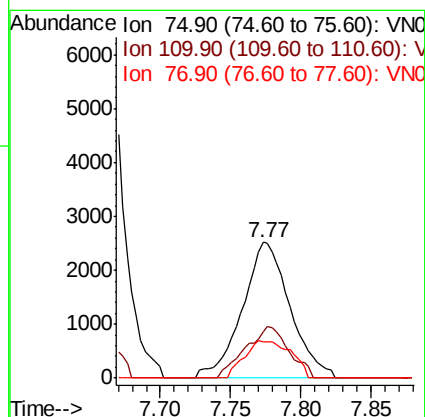
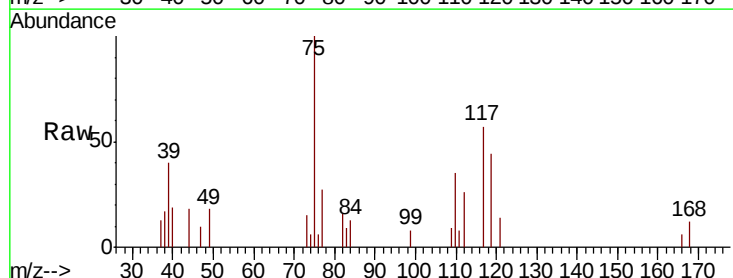
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

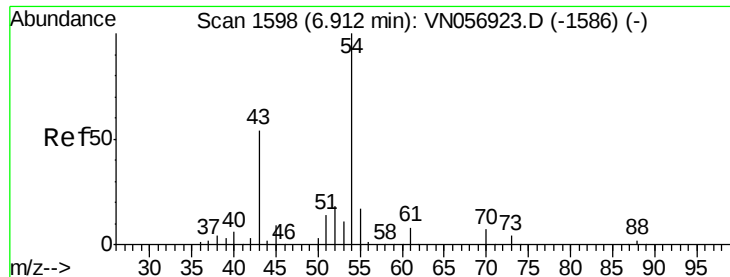
Tot Ion:113 Resp: 4209
 Ion Ratio Lower Upper
 113 100
 111 105.5 82.2 123.2
 192 5.8 18.3 27.5#



#36
 1,1-Dichloropropene
 Concen: 0.958 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion: 75 Resp: 5963
 Ion Ratio Lower Upper
 75 100
 110 34.5 18.9 56.9
 77 26.6 25.4 38.0

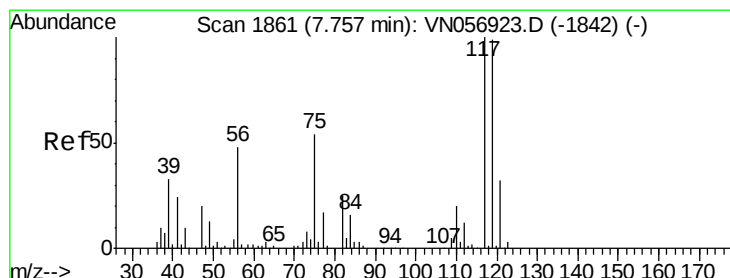
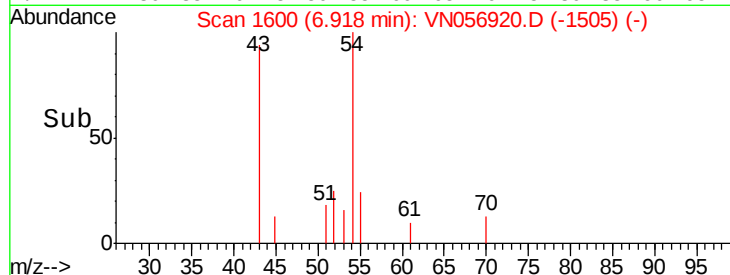
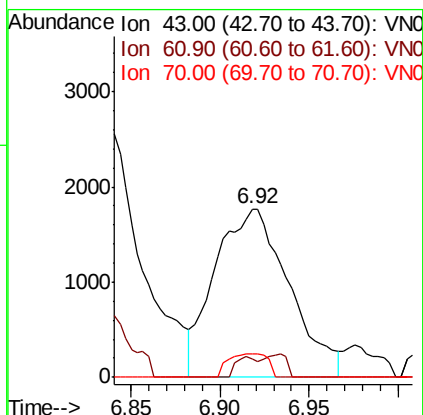
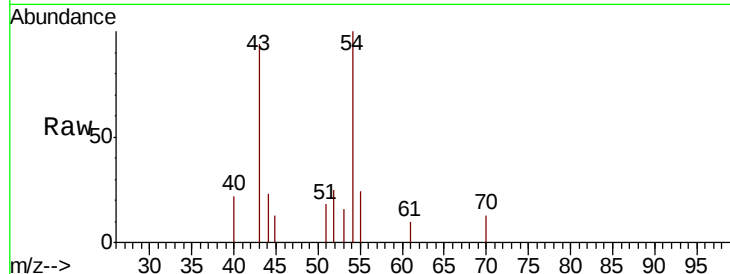




#37
Ethyl Acetate
Concen: 1.027 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

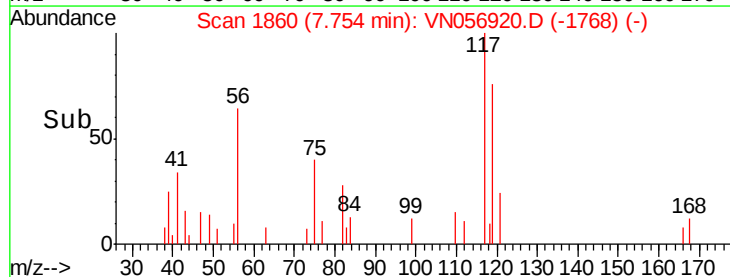
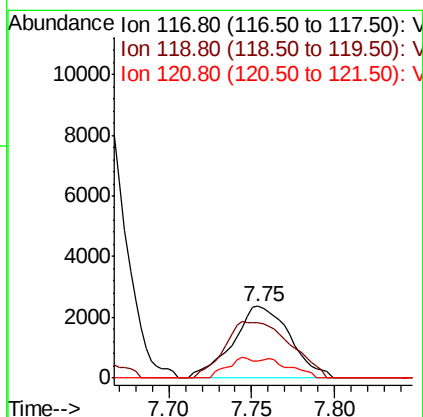
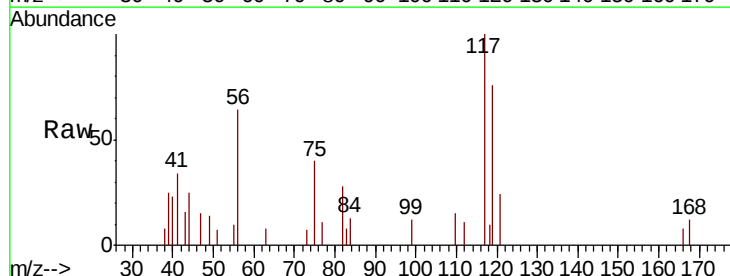
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

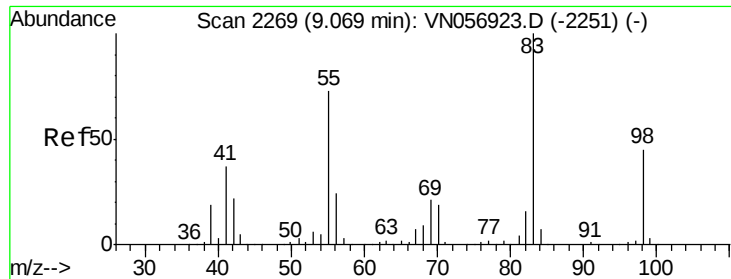
Tot Ion: 43 Resp: 5117
Ion Ratio Lower Upper
43 100
61 0.0 11.9 17.9#
70 7.4 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 0.957 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion: 117 Resp: 5688
Ion Ratio Lower Upper
117 100
119 76.5 79.0 118.6#
121 23.9 25.1 37.7#

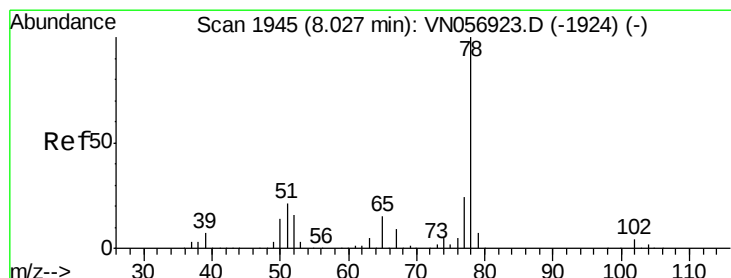
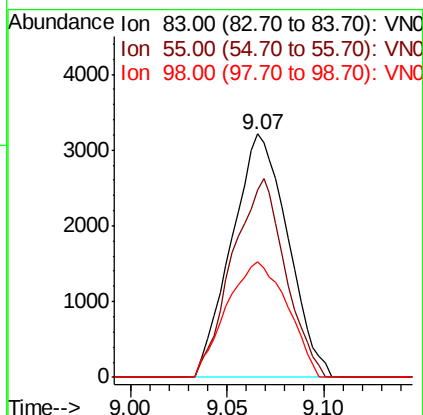
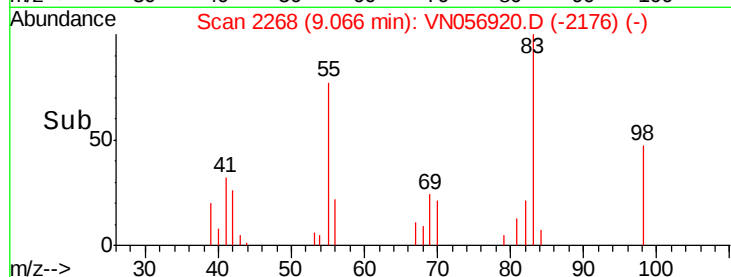
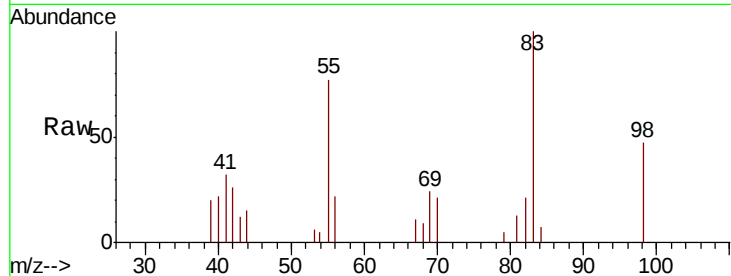




#39
Methvlcvclohexane
Concen: 0.828 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

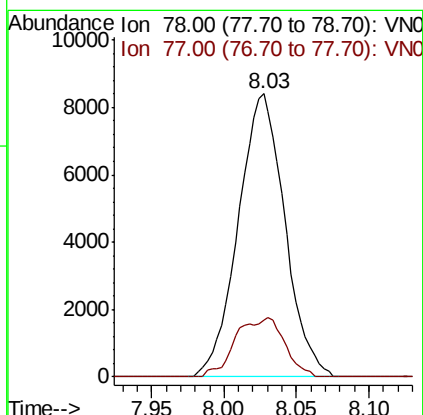
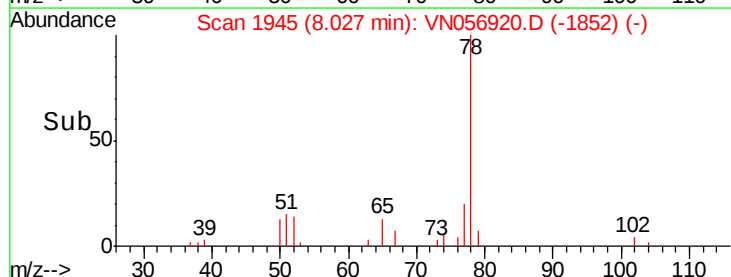
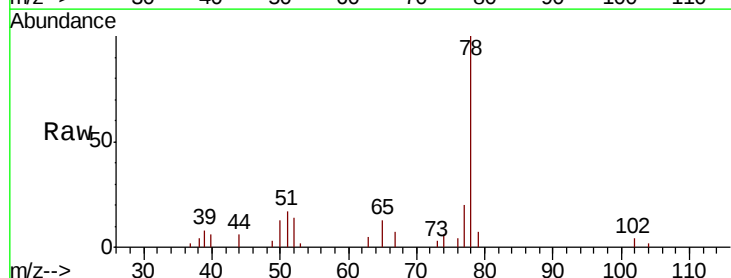
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

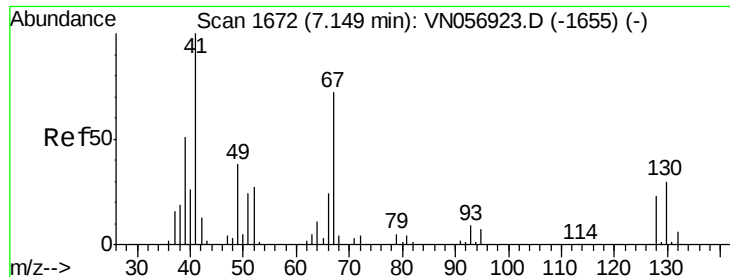
Tot Ion: 83 Resp: 6473
Ion Ratio Lower Upper
83 100
55 77.1 58.8 88.2
98 47.4 35.8 53.6



#40
Benzene
Concen: 0.969 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion: 78 Resp: 18770
Ion Ratio Lower Upper
78 100
77 20.1 19.5 29.3

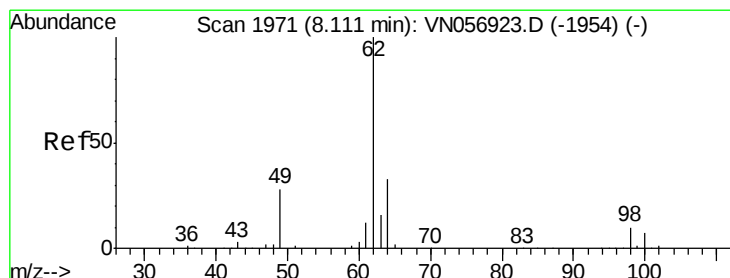
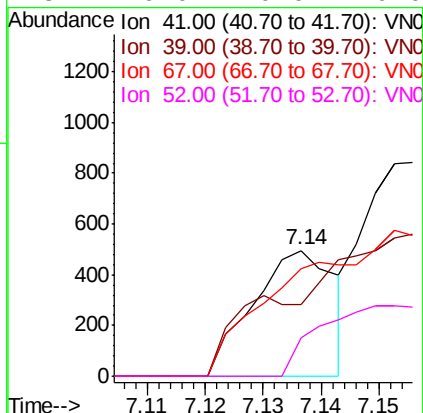
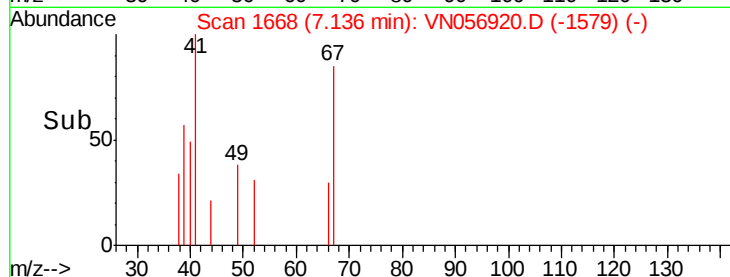
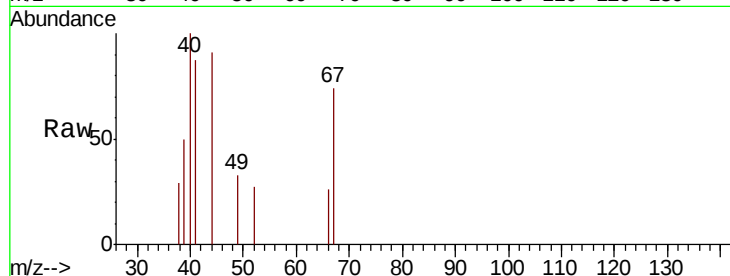




#41
Methacrylonitrile
Concen: 0.202 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. -0.01 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

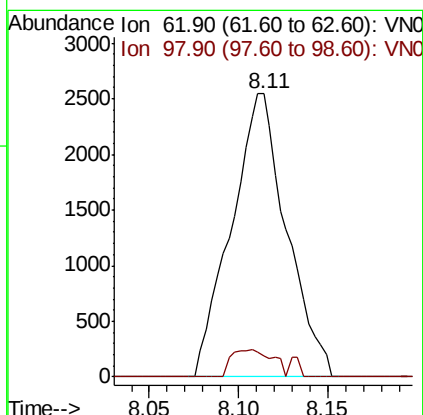
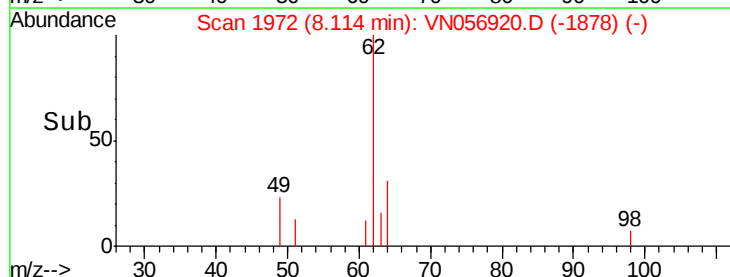
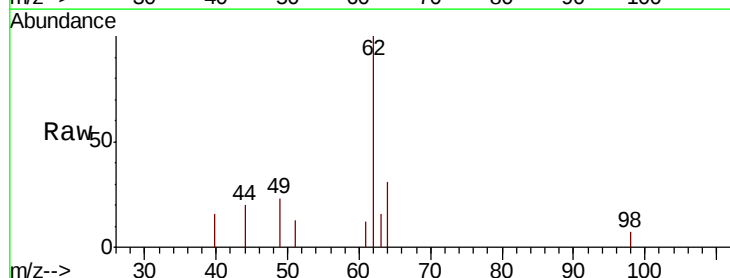
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

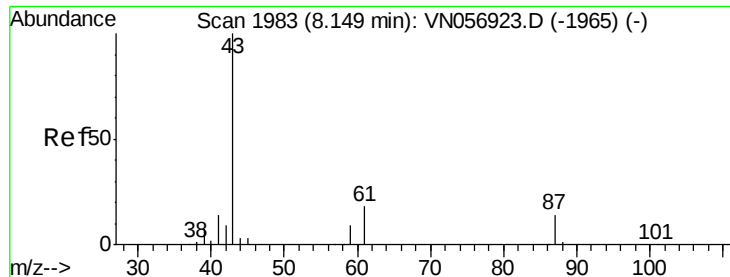
Tot Ion:	41	Resp:	486
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 0.905 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion:	62	Resp:	5476
Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	20.8





#43

Isopropyl Acetate

Concen: 0.918 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

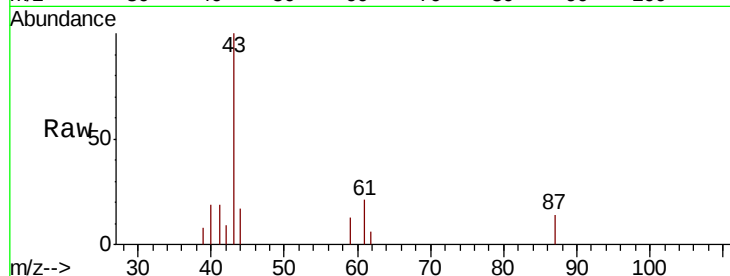
Tot Ion: 43 Resp: 7891

Ion Ratio Lower Upper

43 100

61 20.3 23.8 35.6#

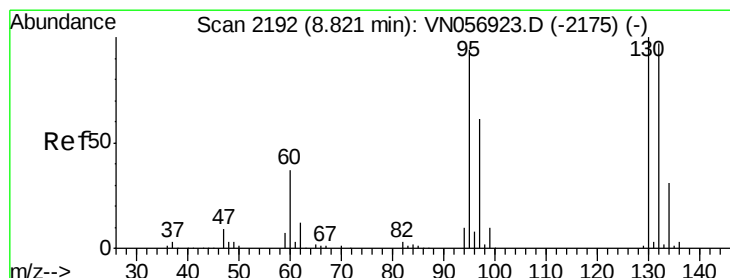
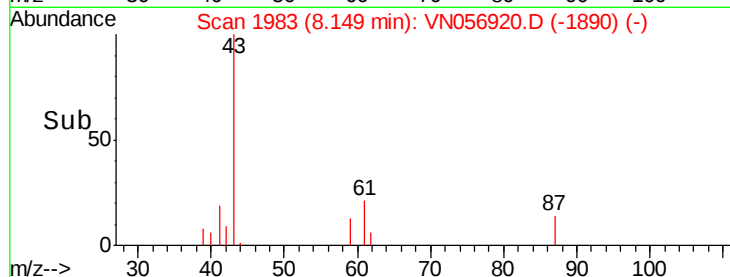
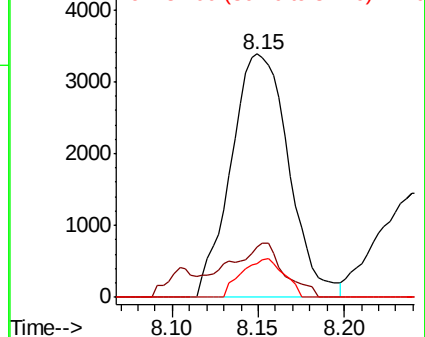
87 11.6 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VN056920.D (-2099) (-)

Ion 61.00 (60.70 to 61.70): VN056920.D (-2099) (-)

Ion 87.00 (86.70 to 87.70): VN056920.D (-2099) (-)



#44

Trichloroethene

Concen: 0.954 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN056920.D

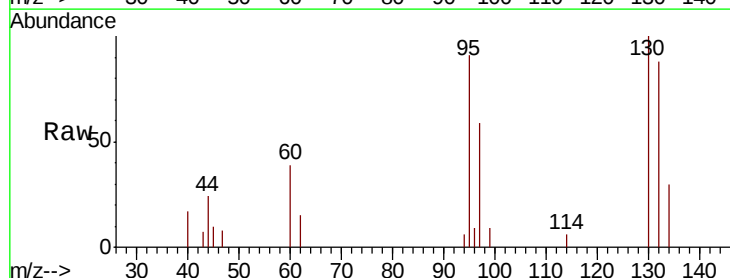
Acq: 25 Jul 2019 14:05

Tgt Ion: 130 Resp: 4976

Ion Ratio Lower Upper

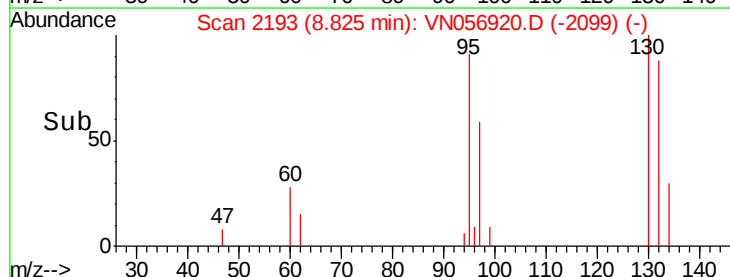
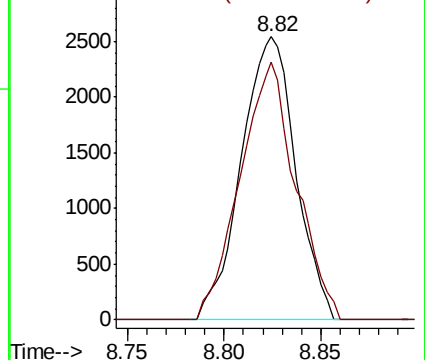
130 100

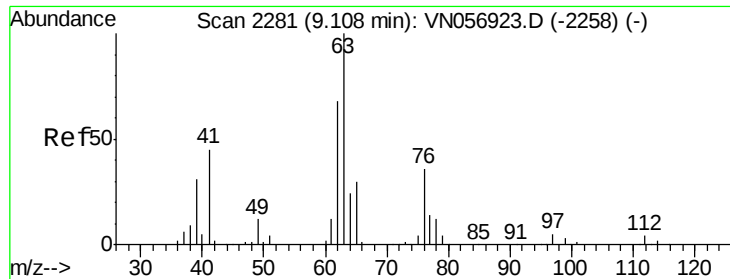
95 91.1 0.0 187.6



Abundance Ion 129.80 (129.50 to 130.50): VN056920.D (-2099) (-)

Ion 94.90 (94.60 to 95.60): VN056920.D (-2099) (-)

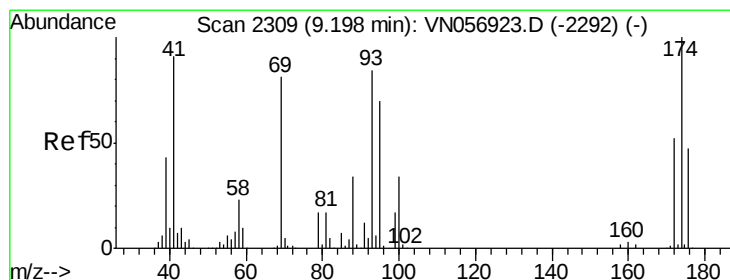
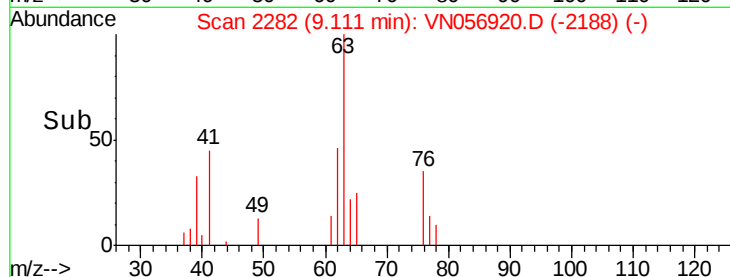
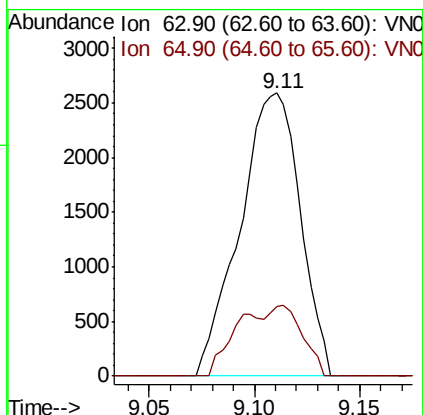
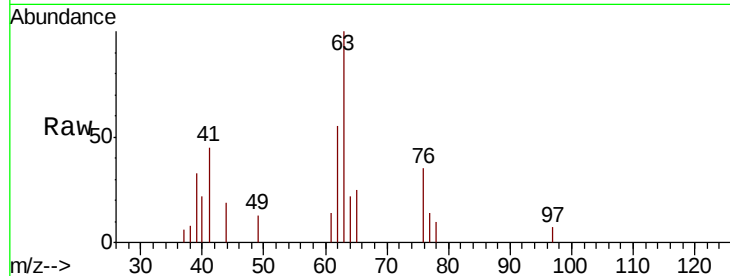




#45
 1,2-Dichloropropane
 Concen: 0.985 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

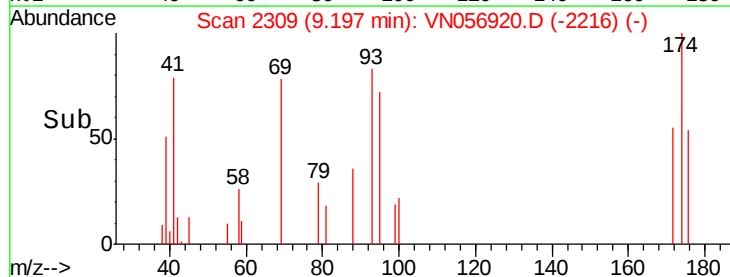
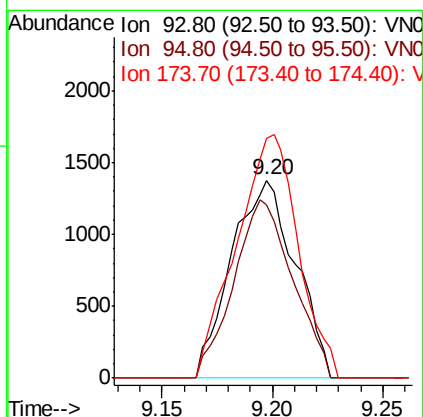
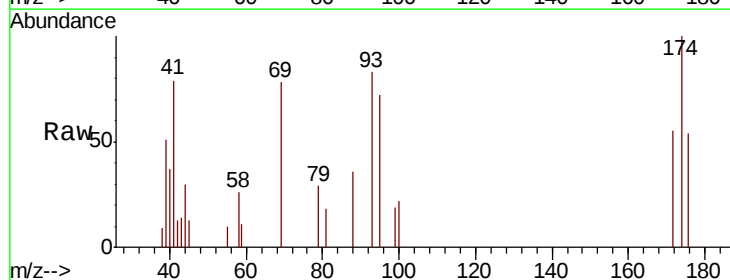
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

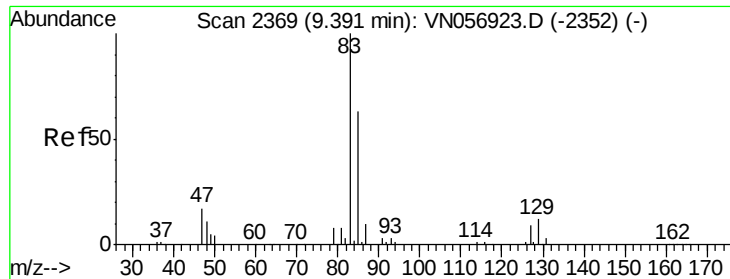
Tot Ion: 63 Resp: 5154
 Ion Ratio Lower Upper
 63 100
 65 24.7 24.5 36.7



#46
 Dibromomethane
 Concen: 0.854 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion: 93 Resp: 2758
 Ion Ratio Lower Upper
 93 100
 95 83.1 66.8 100.2
 174 119.0 92.9 139.3





#47

Bromodichloromethane

Concen: 0.895 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

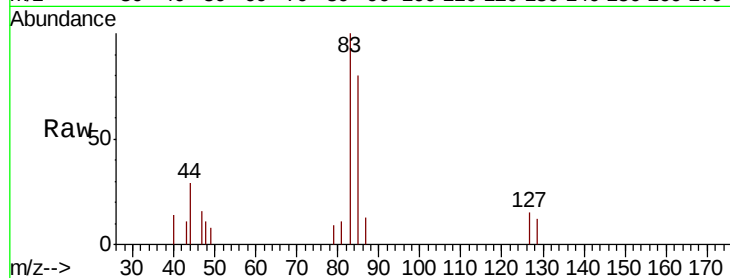
Tot Ion: 83 Resp: 5448

Ion Ratio Lower Upper

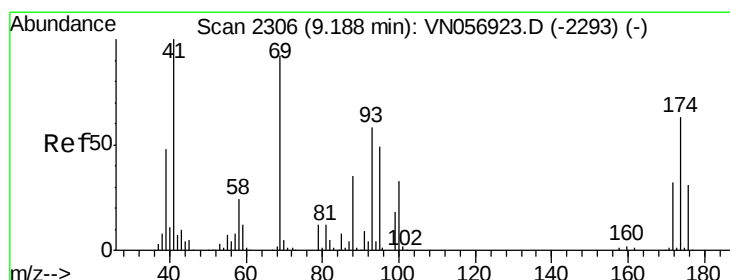
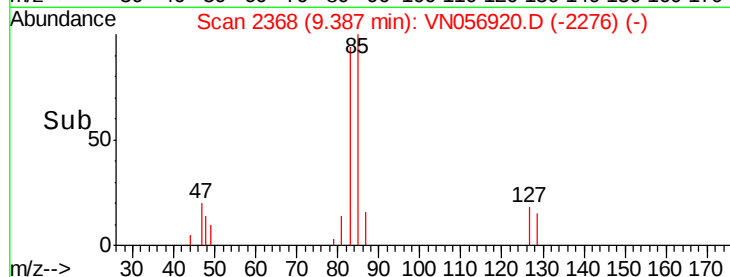
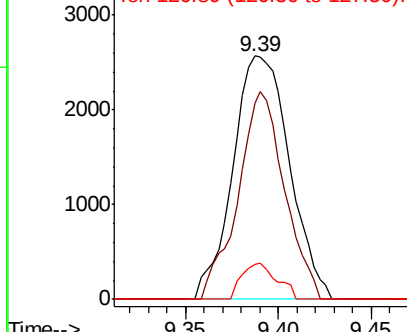
83 100

85 80.5 50.5 75.7#

127 14.5 7.4 11.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 0.852 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

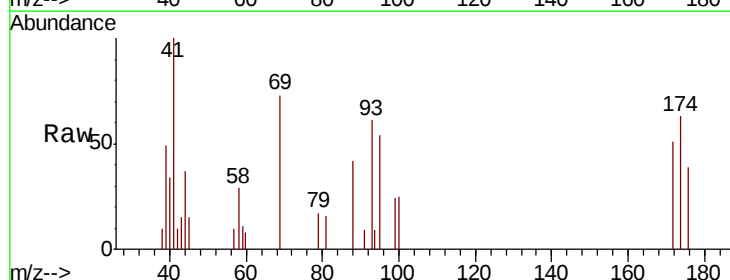
Tgt Ion: 41 Resp: 3652

Ion Ratio Lower Upper

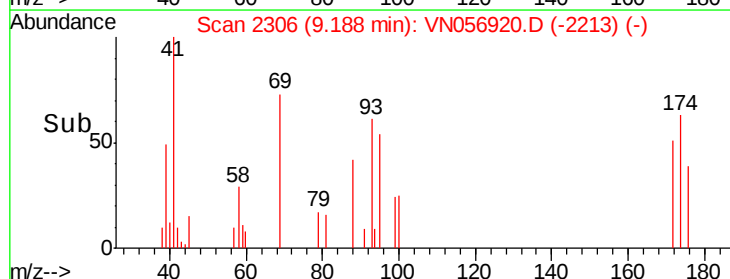
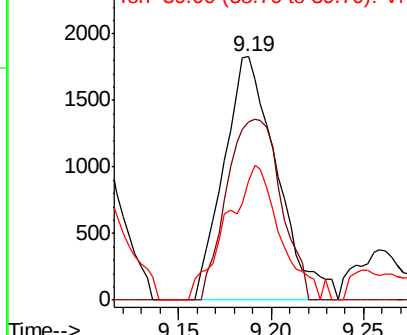
41 100

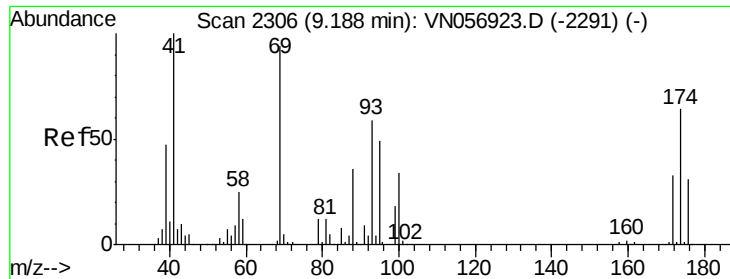
69 75.7 73.4 110.0

39 55.8 40.1 60.1



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

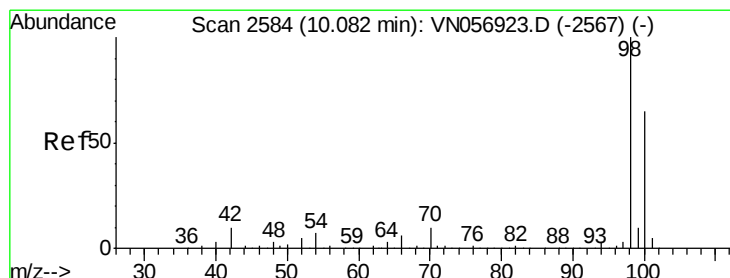
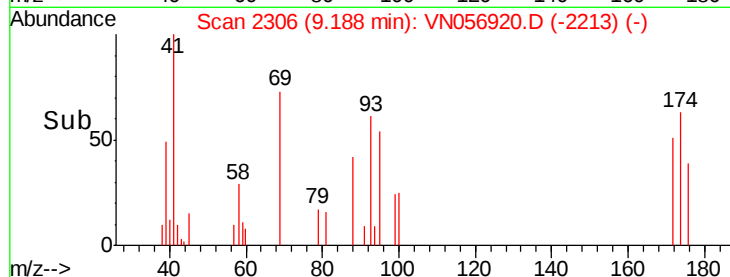
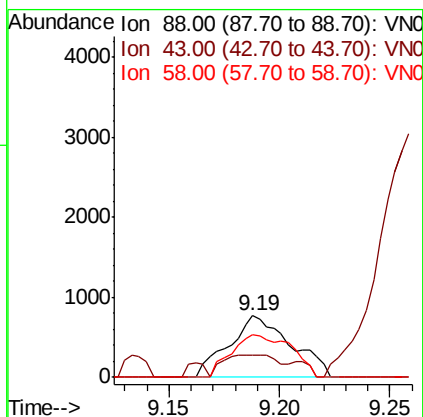
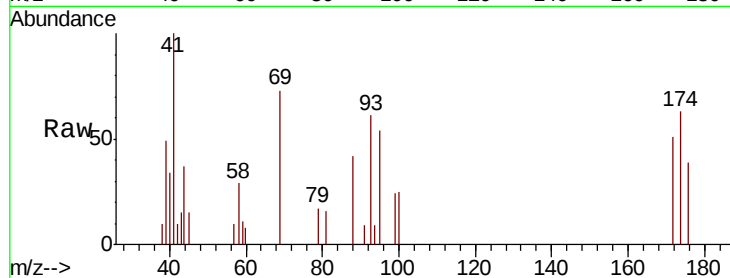




#49
 1,4-Dioxane
 Concen: 17.742 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

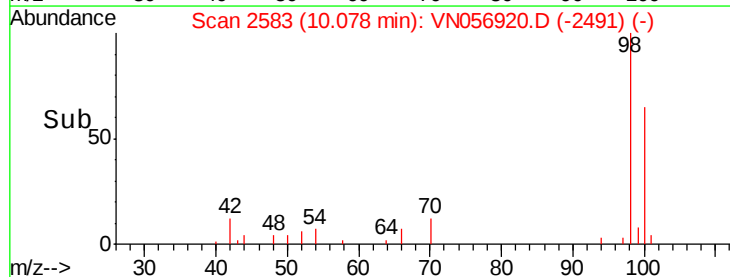
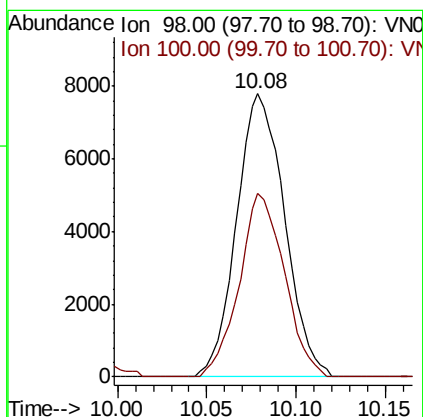
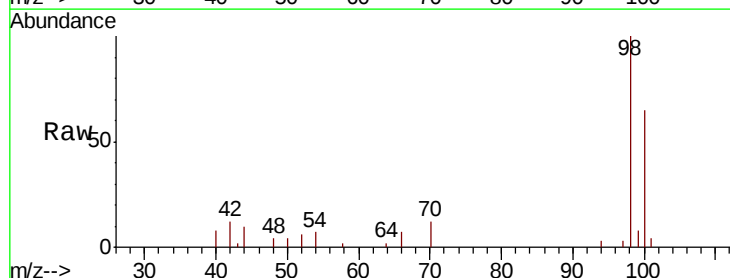
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

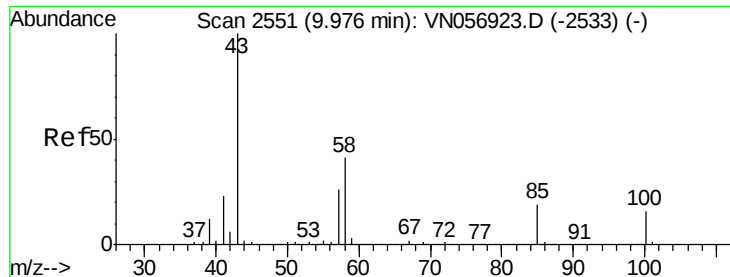
Tot Ion: 88 Resp: 1503
 Ion Ratio Lower Upper
 88 100
 43 33.4 21.1 31.7#
 58 66.8 52.5 78.7



#50
 Toluene-d8
 Concen: 0.880 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion: 98 Resp: 14614
 Ion Ratio Lower Upper
 98 100
 100 60.9 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 4.263 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

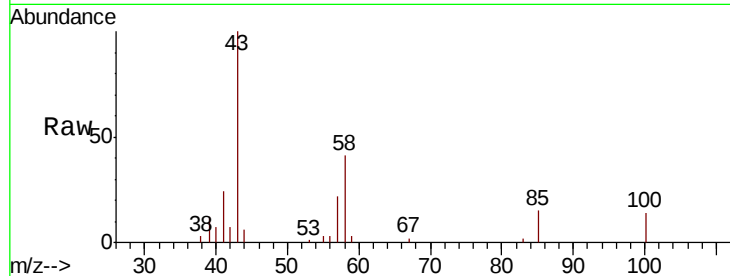
VSTDIC001

Tot Ion: 43 Resp: 21802

Ion Ratio Lower Upper

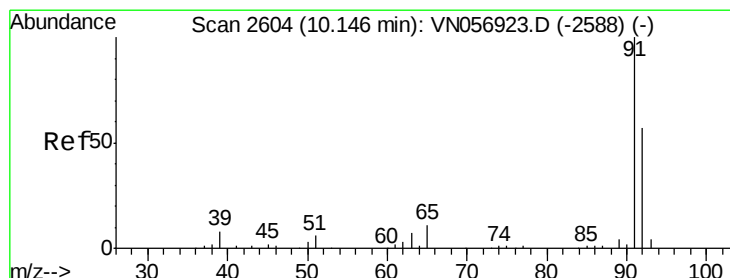
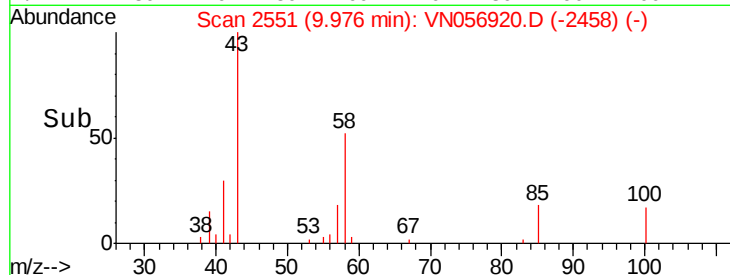
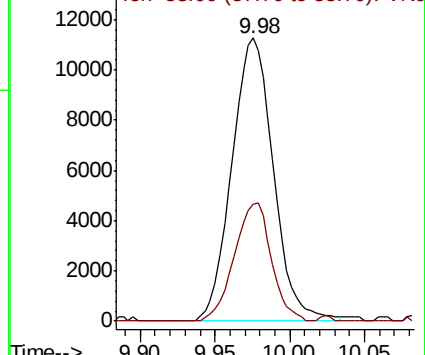
43 100

58 37.2 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.852 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056920.D

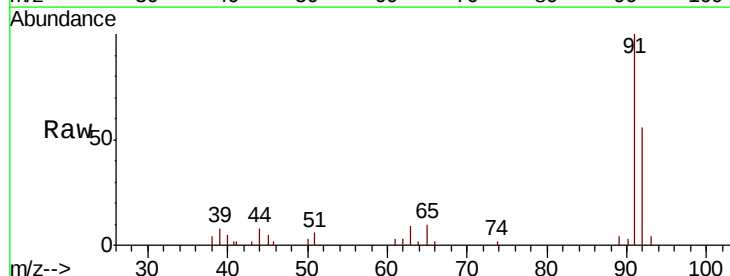
Acq: 25 Jul 2019 14:05

Tgt Ion: 92 Resp: 9951

Ion Ratio Lower Upper

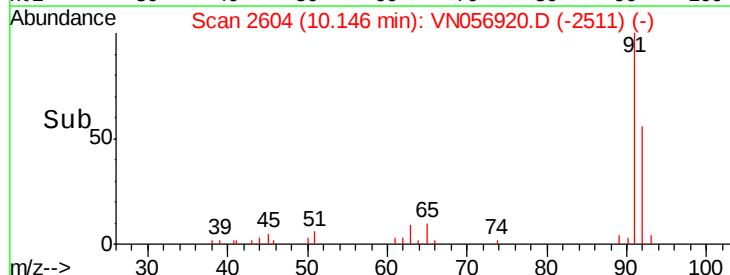
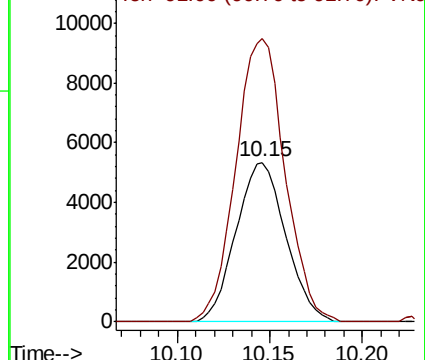
92 100

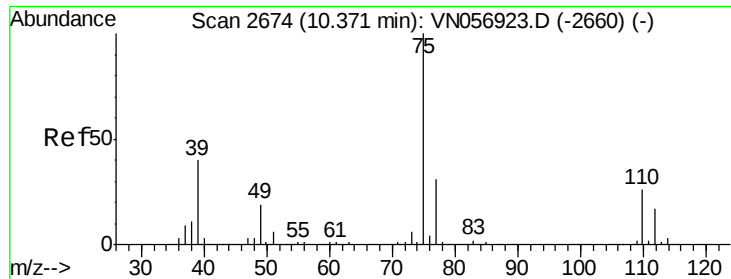
91 175.9 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

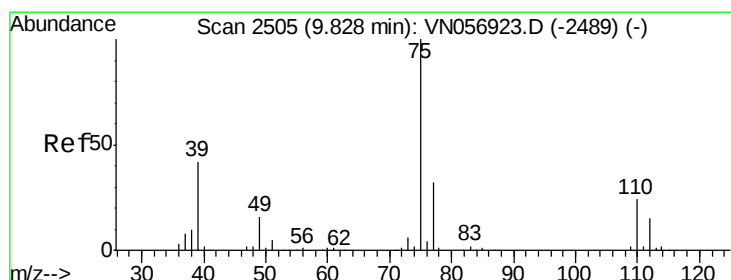
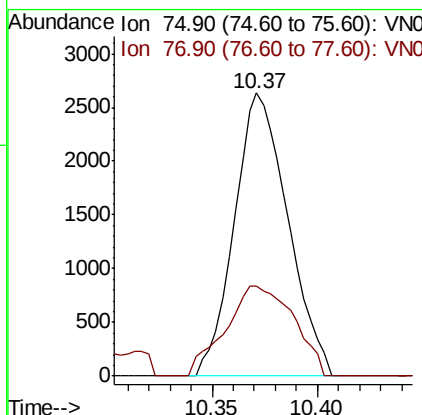
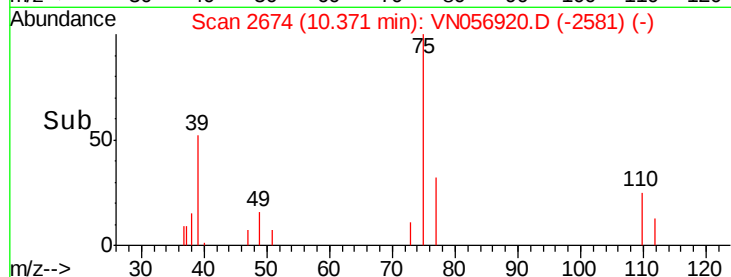
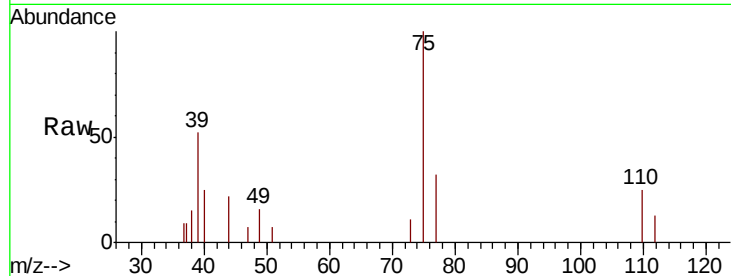




#53
t-1,3-Dichloropropene
Concen: 0.745 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

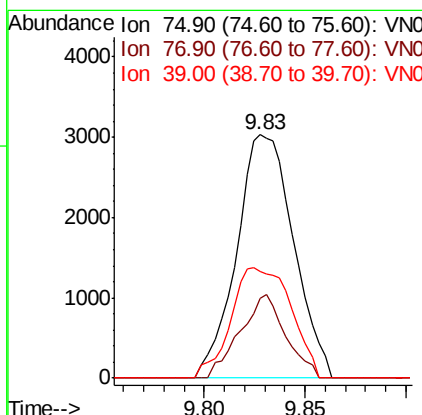
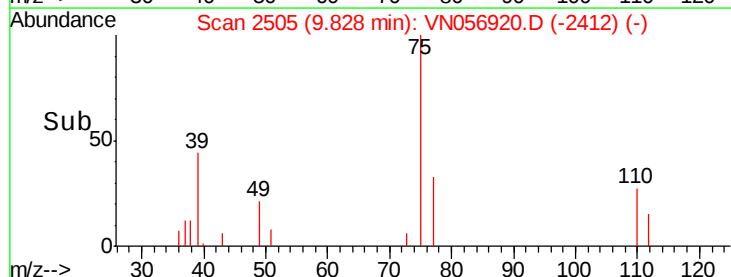
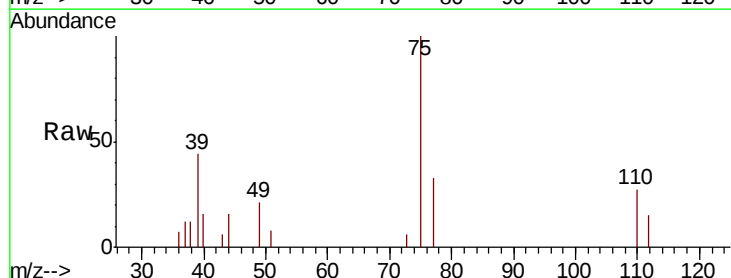
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

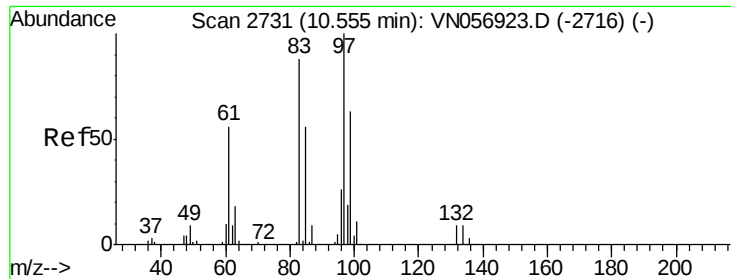
Tot Ion: 75 Resp: 4636
Ion Ratio Lower Upper
75 100
77 31.7 25.0 37.6



#54
cis-1,3-Dichloropropene
Concen: 0.811 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion: 75 Resp: 5964
Ion Ratio Lower Upper
75 100
77 32.6 25.4 38.0
39 43.6 33.4 50.0

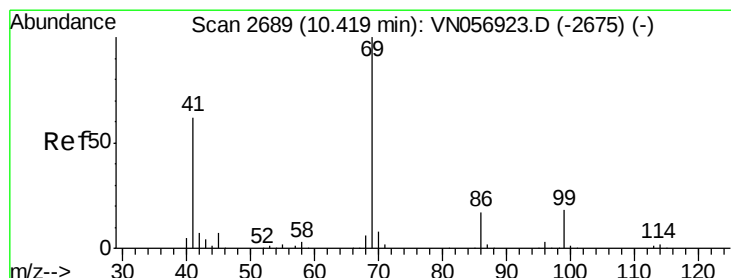
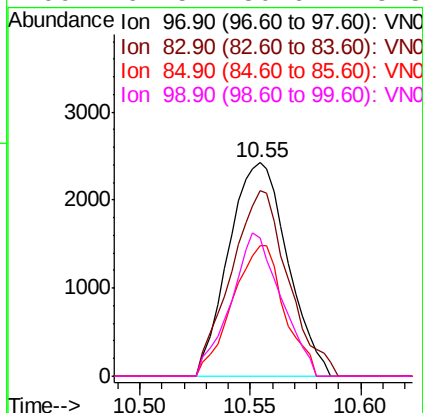
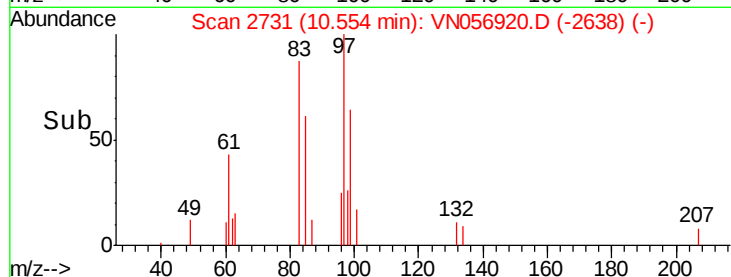
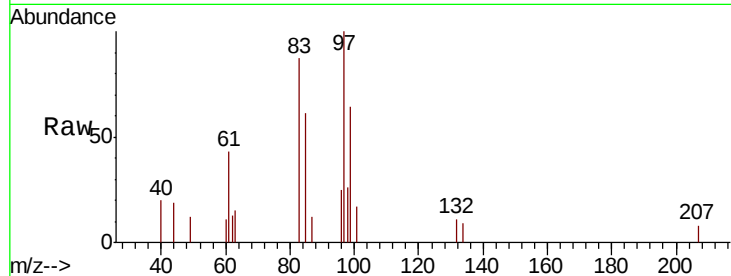




#55
 1,1,2-Trichloroethane
 Concen: 0.969 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

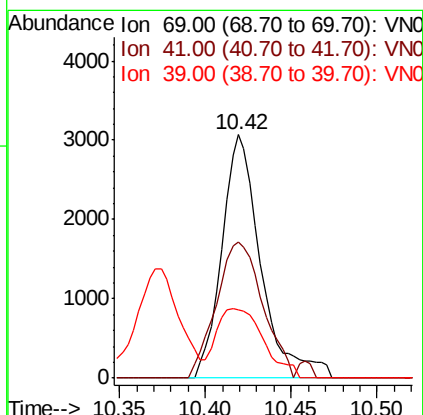
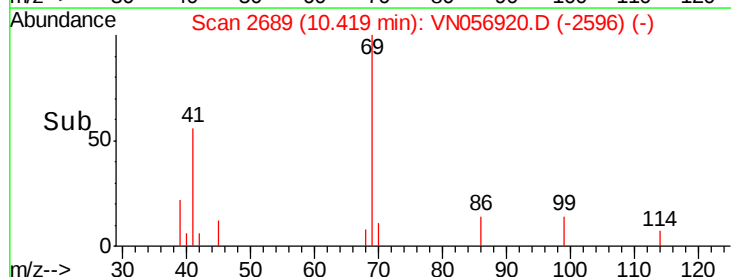
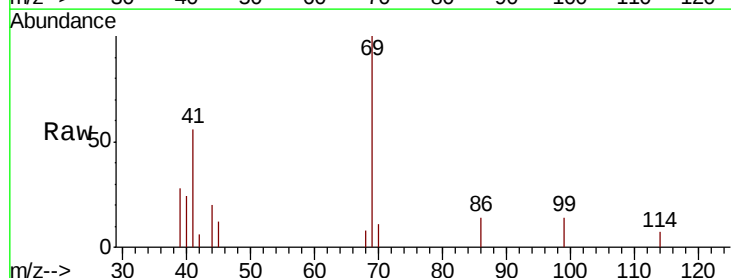
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

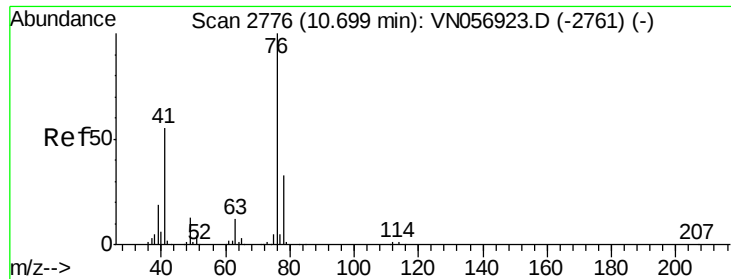
Tot Ion:	97	Resp:	4492
Ion	Ratio	Lower	Upper
97	100		
83	86.9	70.1	105.1
85	61.2	45.1	67.7
99	64.5	50.6	75.8



#56
 Ethyl methacrylate
 Concen: 0.756 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion:	69	Resp:	4836
Ion	Ratio	Lower	Upper
69	100		
41	66.5	49.7	74.5
39	35.5	23.6	35.4#

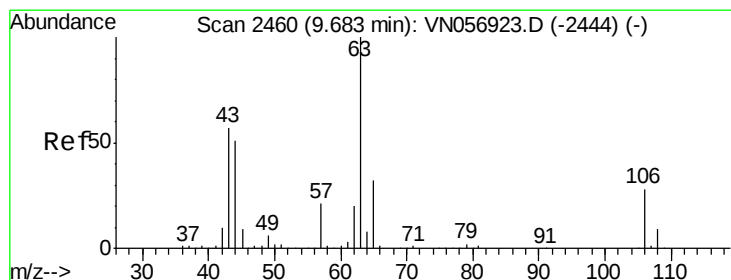
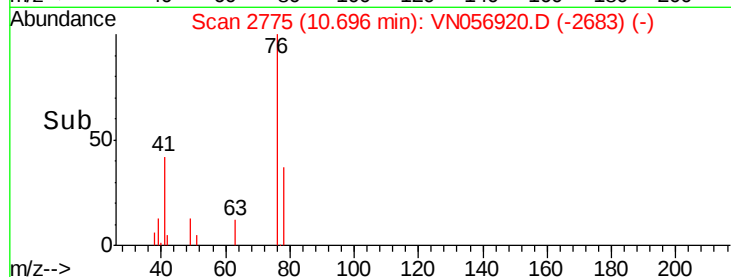
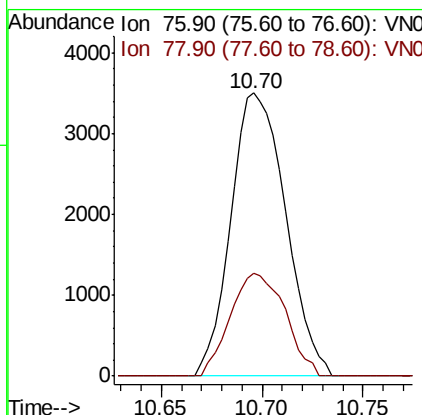
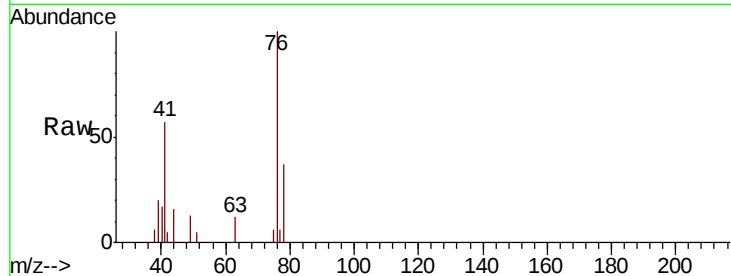




#57
 1,3-Dichloropropane
 Concen: 0.868 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

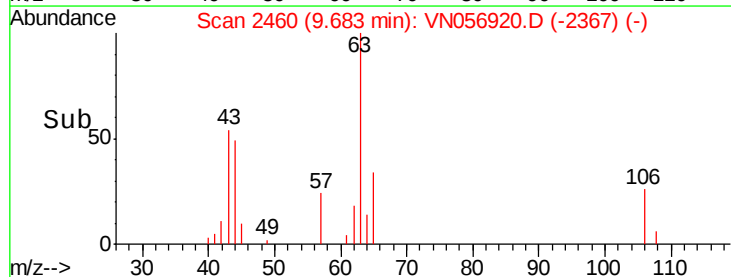
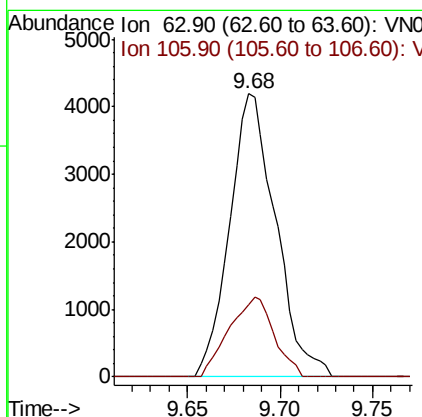
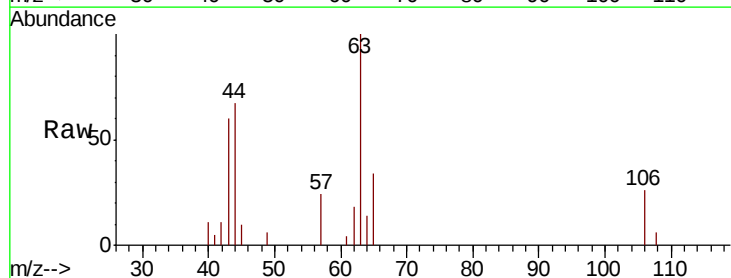
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

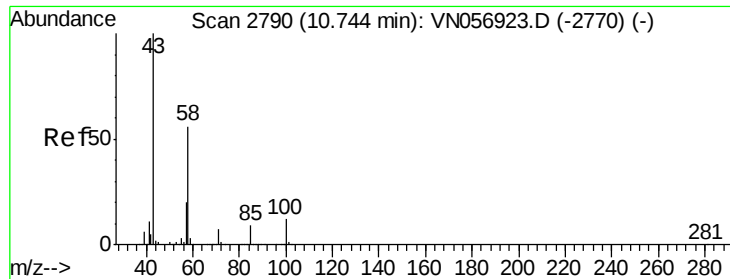
Tot Ion: 76 Resp: 6658
 Ion Ratio Lower Upper
 76 100
 78 36.3 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.721 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion: 63 Resp: 7254
 Ion Ratio Lower Upper
 63 100
 106 27.3 22.2 33.4

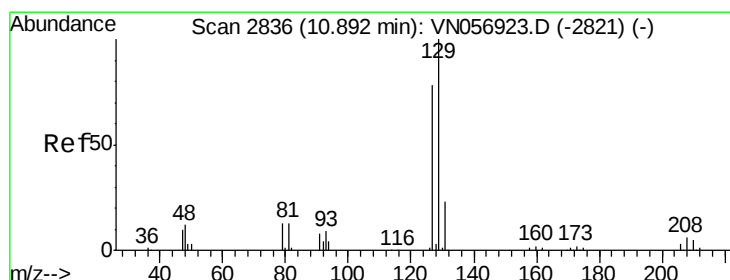
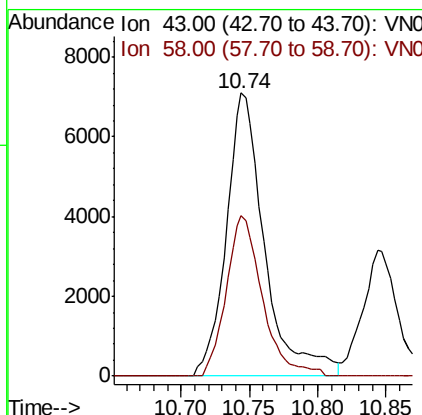
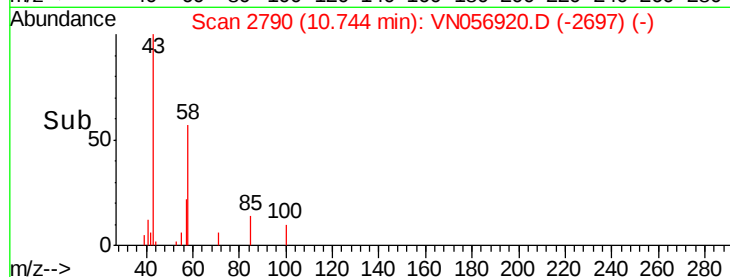
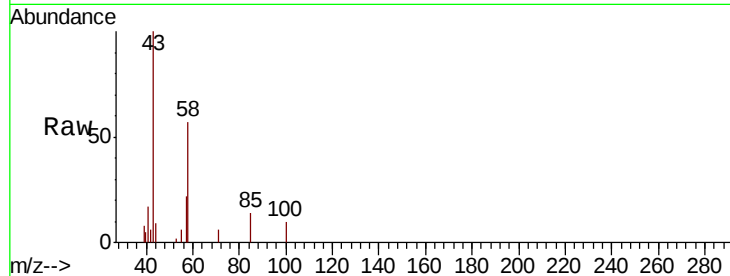




#59
2-Hexanone
Concen: 3.897 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

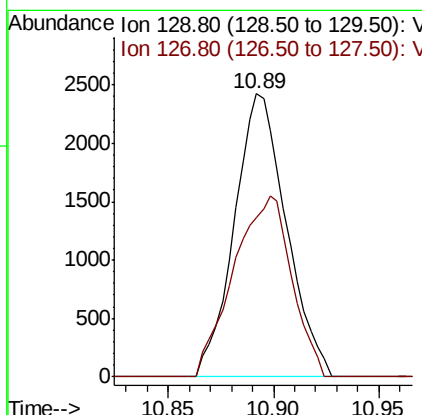
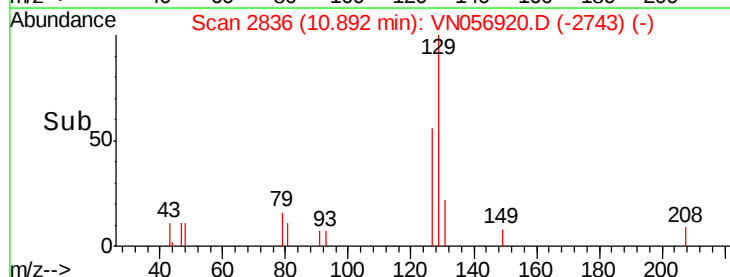
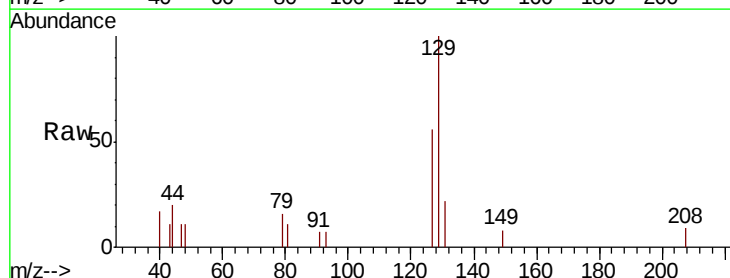
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

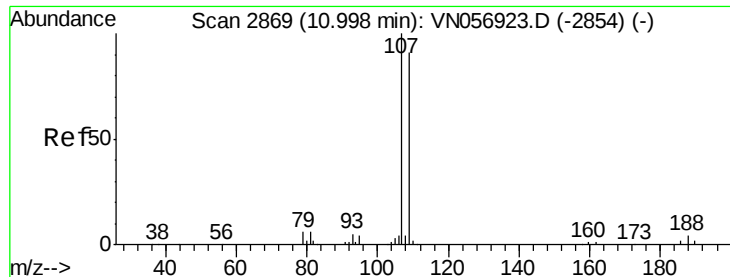
Tot Ion: 43 Resp: 13836
Ion Ratio Lower Upper
43 100
58 53.4 28.2 84.6



#60
Dibromochloromethane
Concen: 0.890 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion: 129 Resp: 4143
Ion Ratio Lower Upper
129 100
127 71.4 38.4 115.2

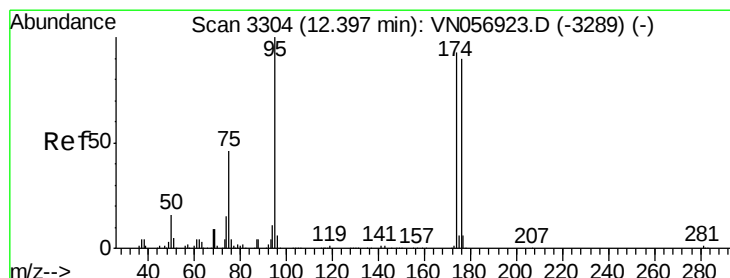
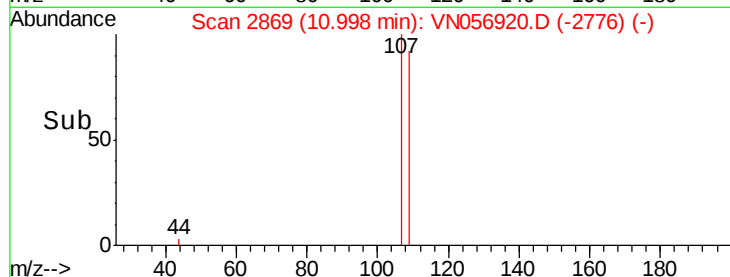
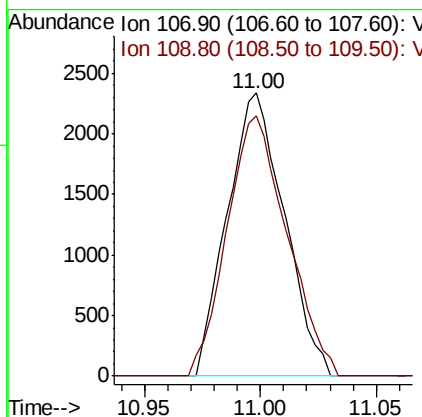
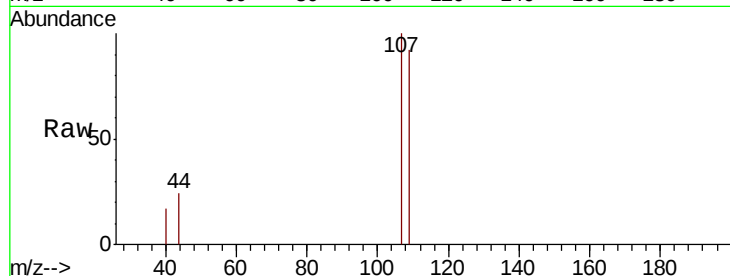




#61
 1,2-Dibromoethane
 Concen: 0.869 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

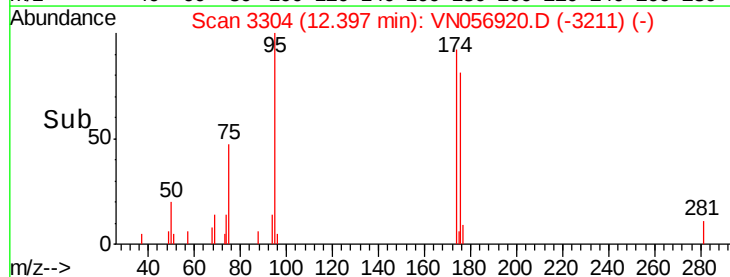
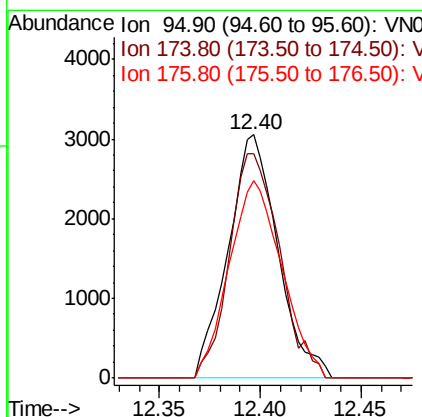
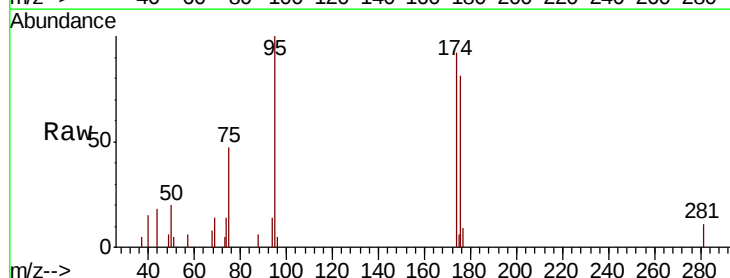
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

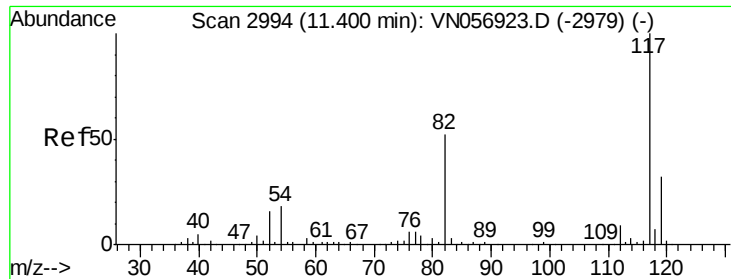
Tot Ion:107 Resp: 3992
 Ion Ratio Lower Upper
 107 100
 109 96.6 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 0.970 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion: 95 Resp: 5250
 Ion Ratio Lower Upper
 95 100
 174 93.0 0.0 186.2
 176 86.1 0.0 179.6

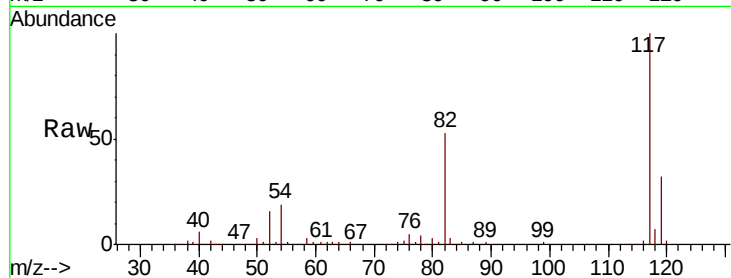




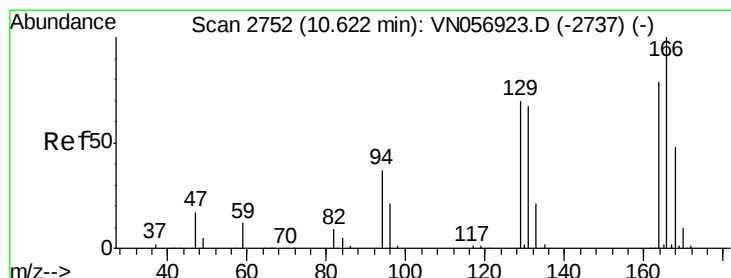
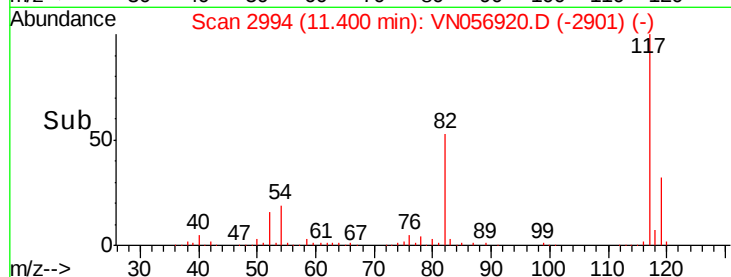
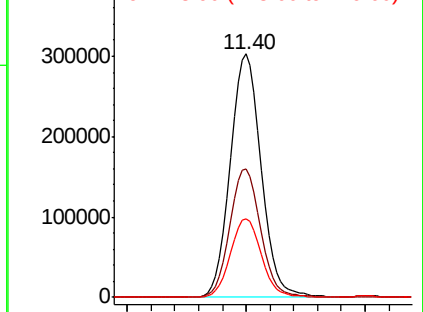
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 546098
Ion Ratio Lower Upper
117 100
82 52.8 41.7 62.5
119 32.4 25.5 38.3

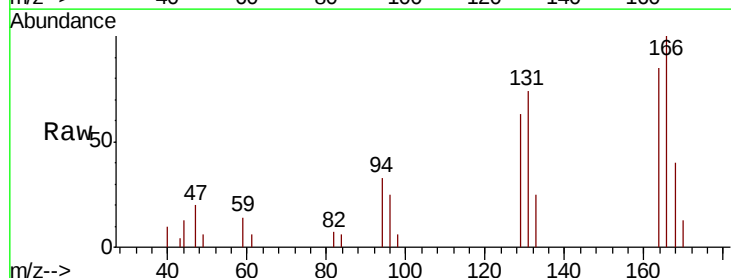


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

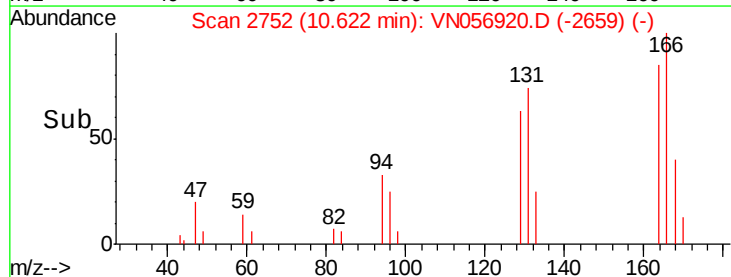
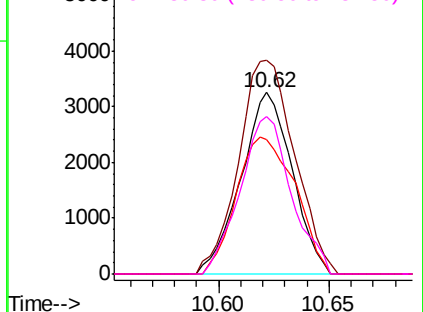


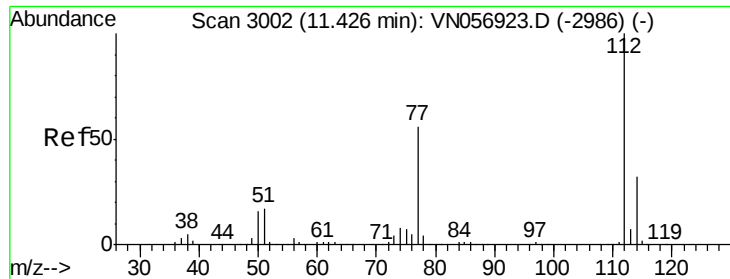
#64
Tetrachloroethene
Concen: 1.099 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion:164 Resp: 5229
Ion Ratio Lower Upper
164 100
166 117.5 101.6 152.4
129 74.0 70.9 106.3
131 87.0 68.4 102.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

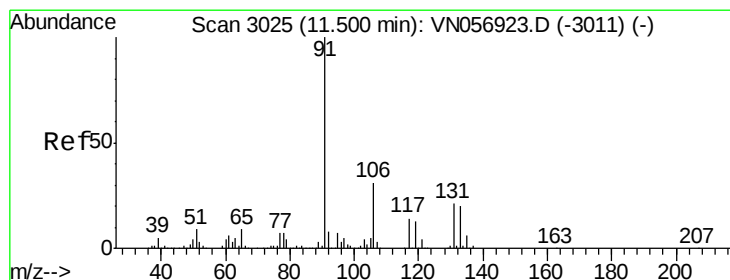
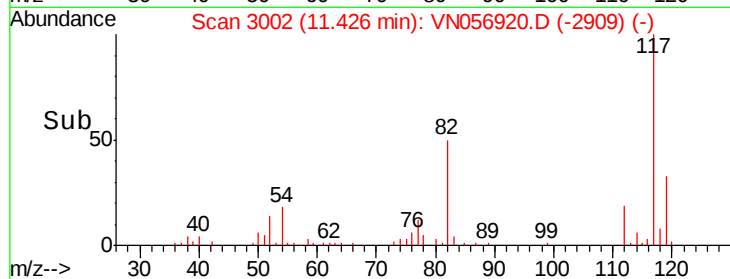
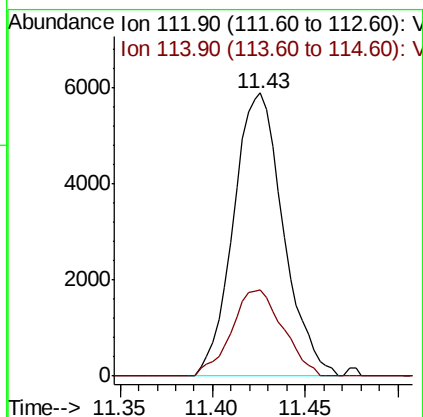
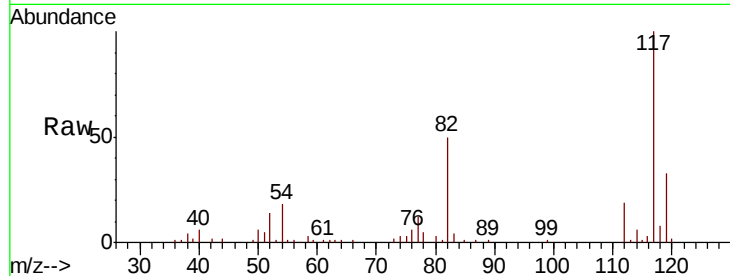




#65
Chlorobenzene
Concen: 0.962 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

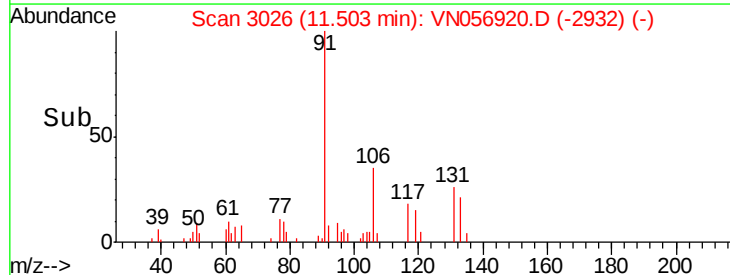
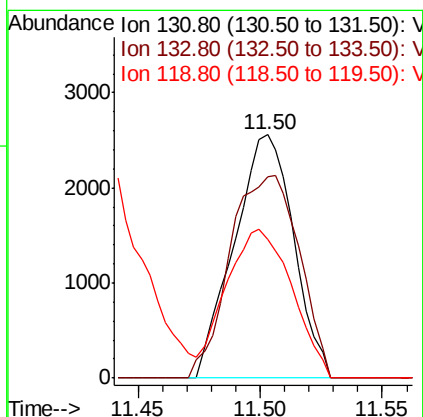
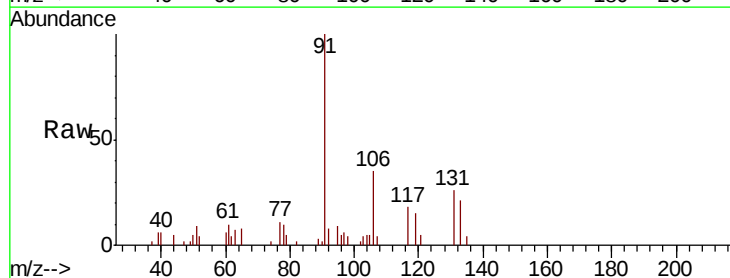
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

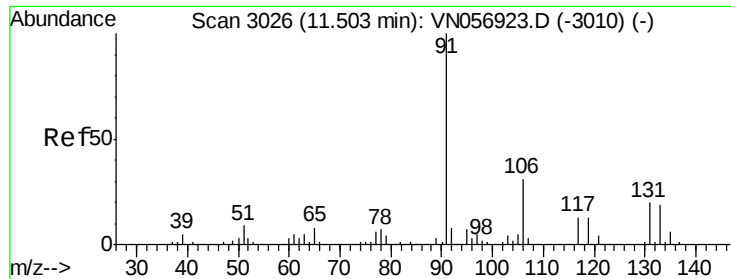
Tot Ion:112 Resp: 10973
Ion Ratio Lower Upper
112 100
114 30.3 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.004 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion:131 Resp: 4319
Ion Ratio Lower Upper
131 100
133 97.3 47.1 141.4
119 0.0 32.6 98.0#

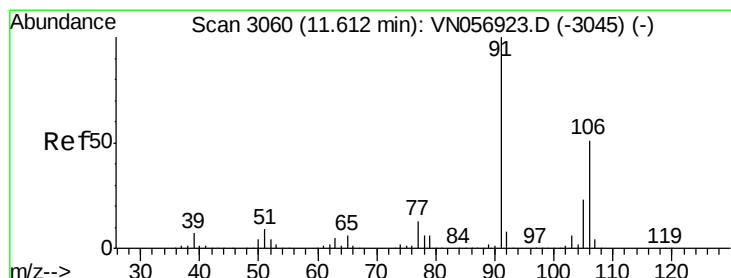
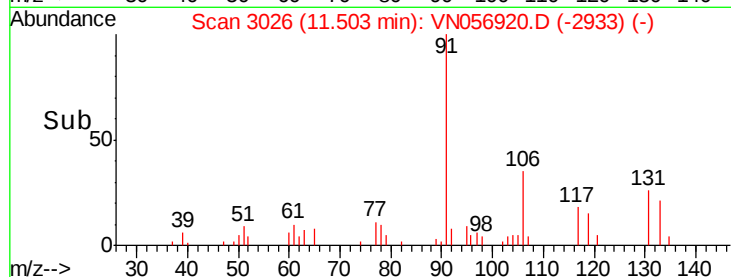
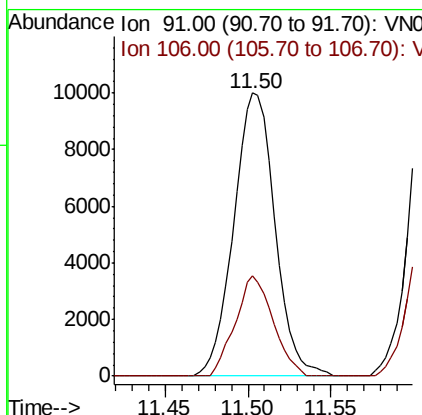
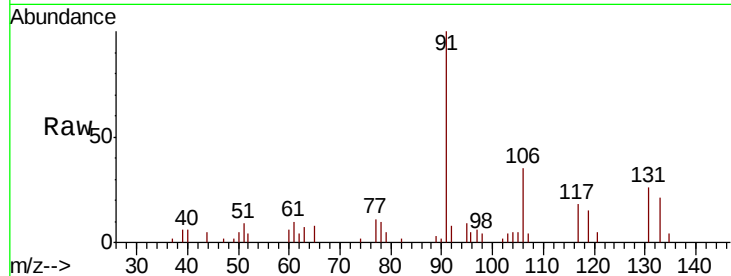




#67
Ethyl Benzene
Concen: 0.877 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

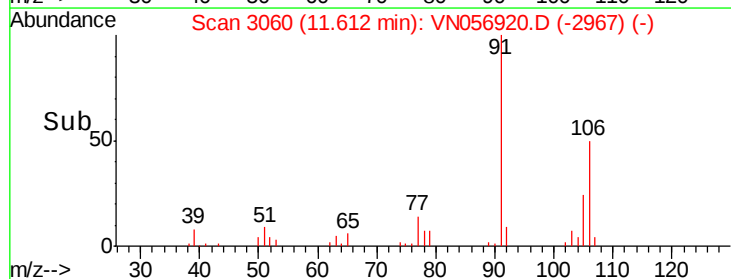
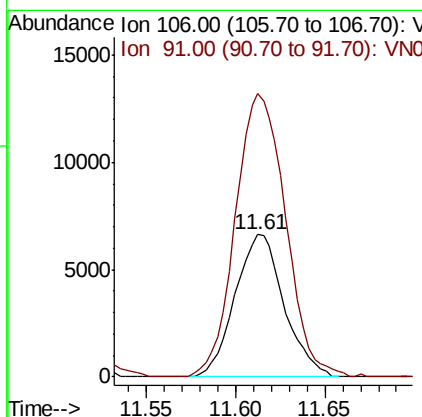
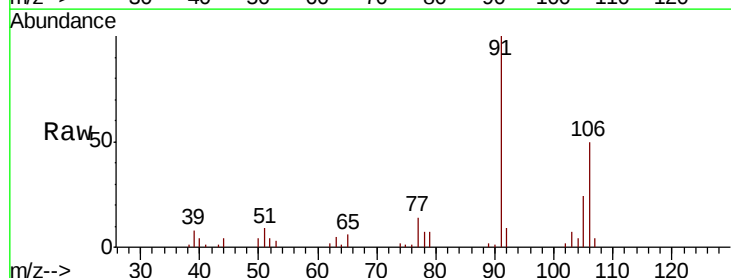
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

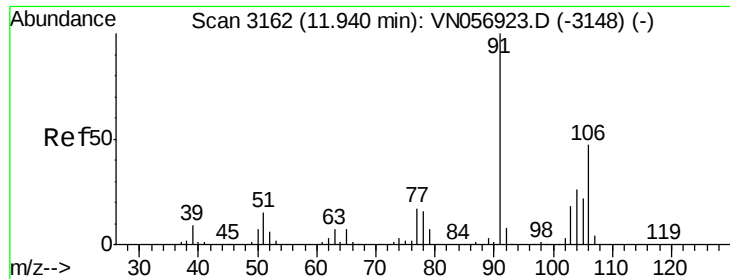
Tot Ion: 91 Resp: 17289
Ion Ratio Lower Upper
91 100
106 35.4 24.9 37.3



#68
m/p-Xylenes
Concen: 1.721 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion: 106 Resp: 12705
Ion Ratio Lower Upper
106 100
91 203.8 159.6 239.4

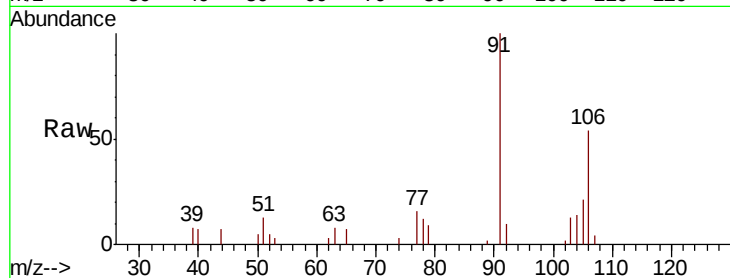




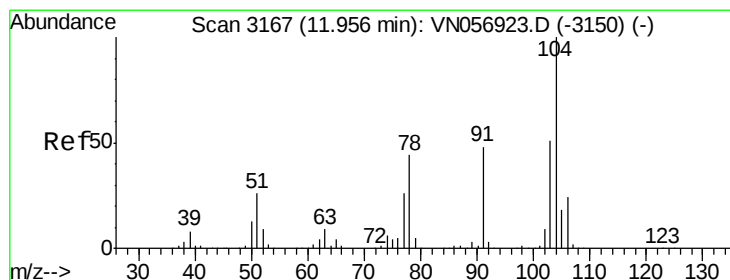
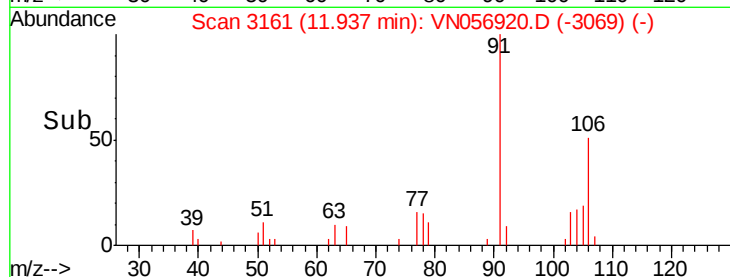
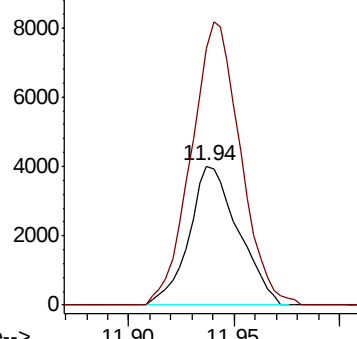
#69
o-Xylene
Concen: 0.906 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 6515
Ion Ratio Lower Upper
106 100
91 203.2 105.7 317.0

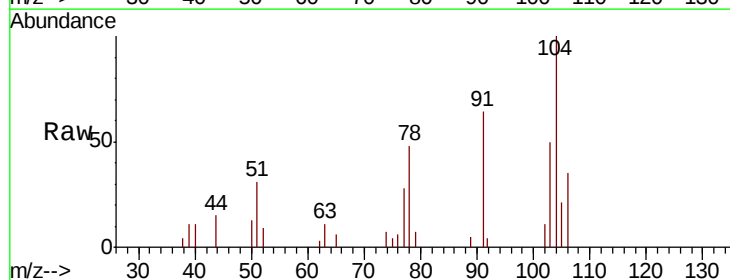


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

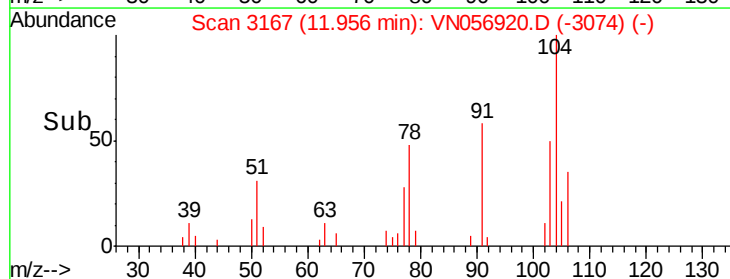
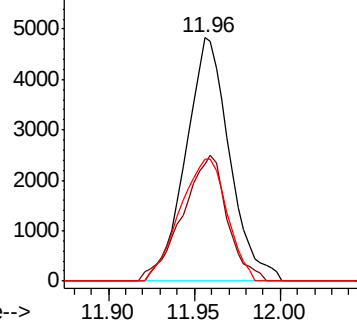


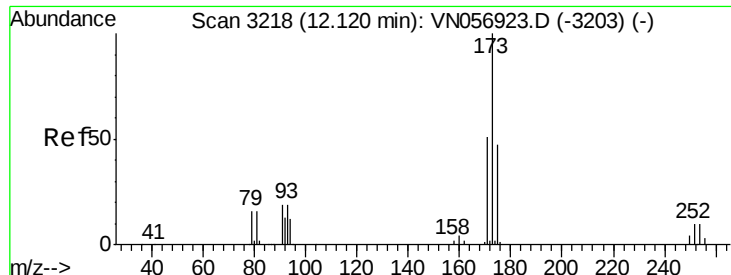
#70
Styrene
Concen: 0.744 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion:104 Resp: 8524
Ion Ratio Lower Upper
104 100
78 52.9 38.5 57.7
103 54.0 44.1 66.1



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

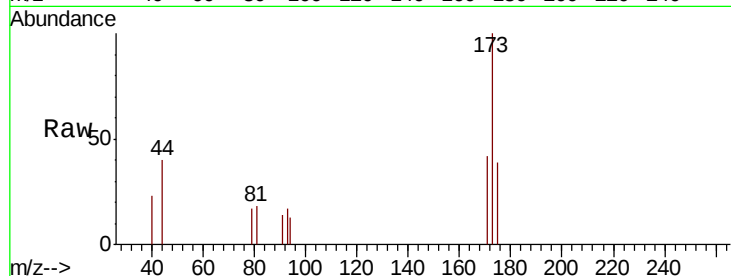




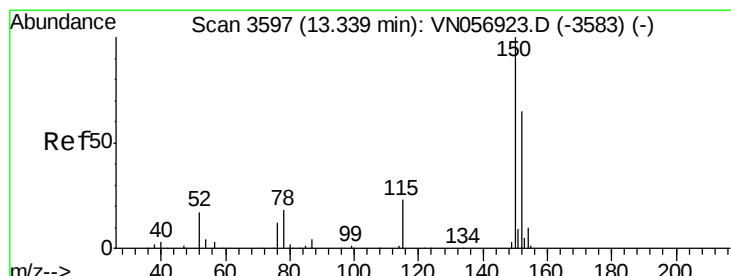
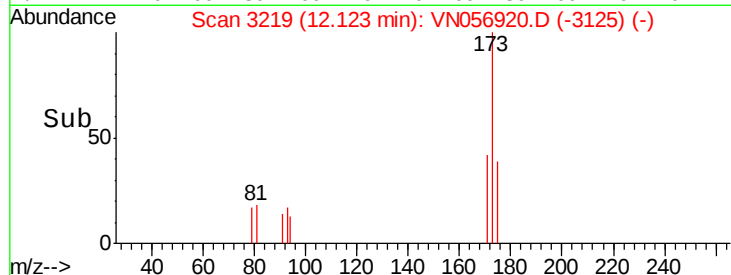
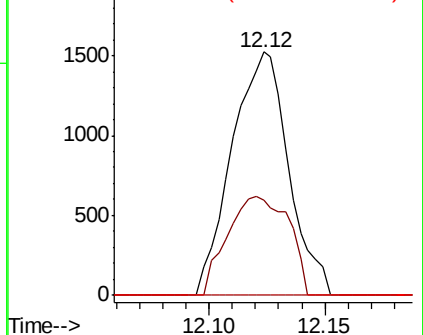
#71
Bromoform
Concen: 0.873 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:173 Resp: 2587
Ion Ratio Lower Upper
173 100
175 43.9 24.2 72.6
254 0.0 0.1 0.1#

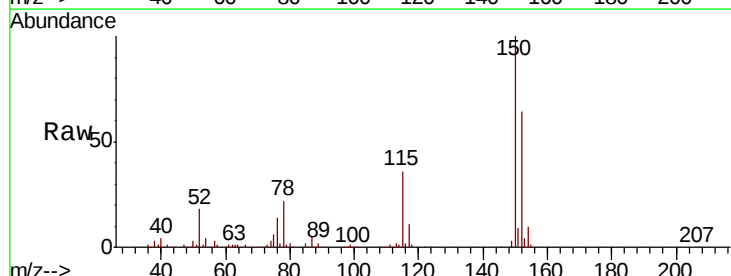


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

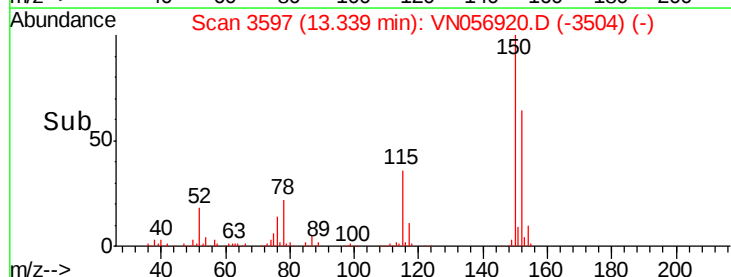
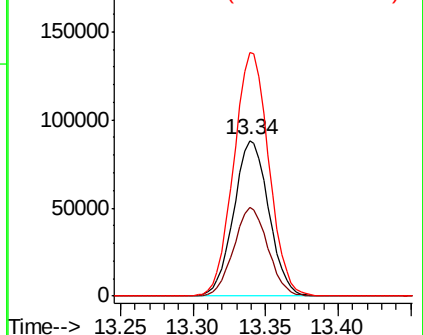


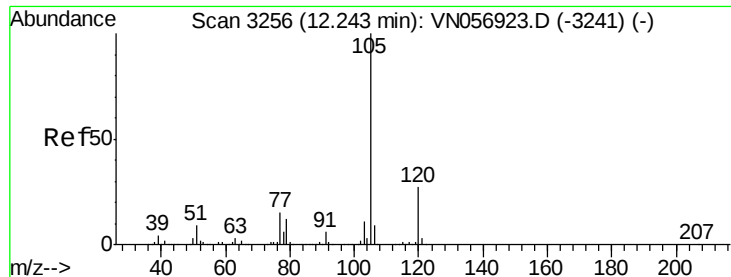
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion:152 Resp: 148176
Ion Ratio Lower Upper
152 100
115 55.5 27.9 83.7
150 157.3 0.0 354.2



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: 1.223 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

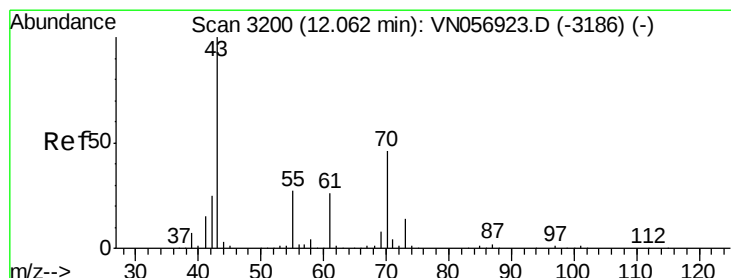
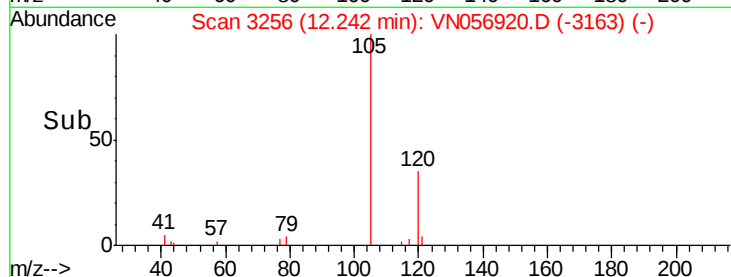
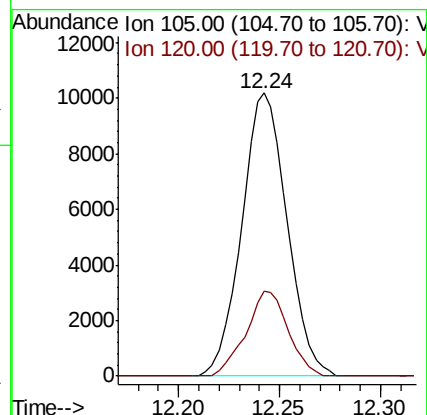
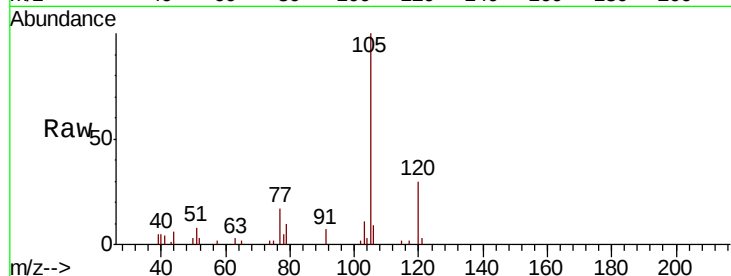
VSTDIC001

Tot Ion:105 Resp: 15977

Ion Ratio Lower Upper

105 100

120 28.1 13.4 40.1



#74

N-ethyl acetate

Concen: 0.996 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Tgt Ion: 43 Resp: 4305

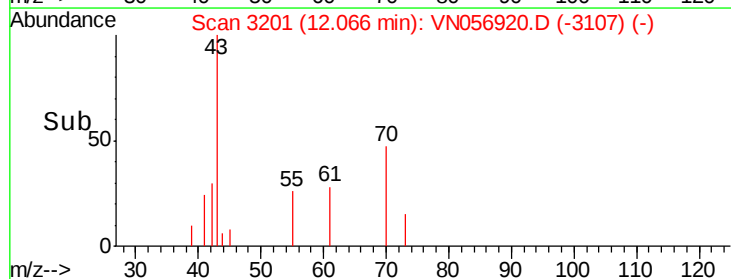
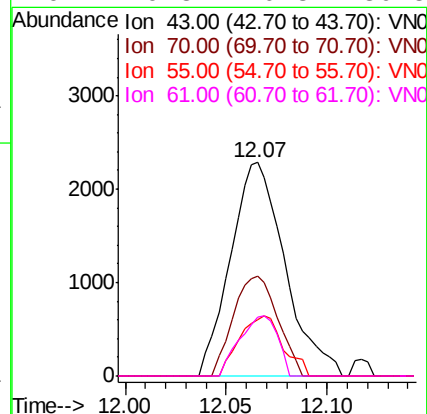
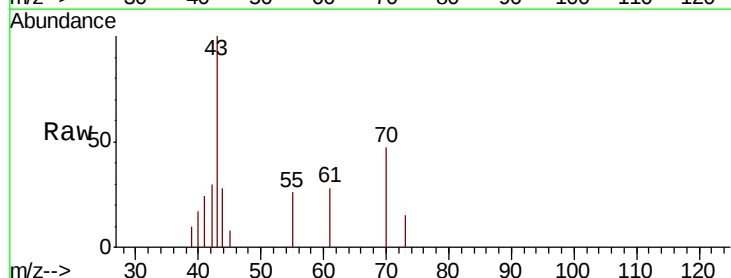
Ion Ratio Lower Upper

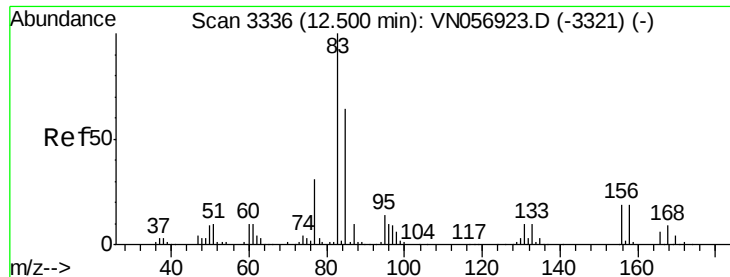
43 100

70 38.2 35.9 53.9

55 22.7 21.4 32.2

61 19.8 20.3 30.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 1.371 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

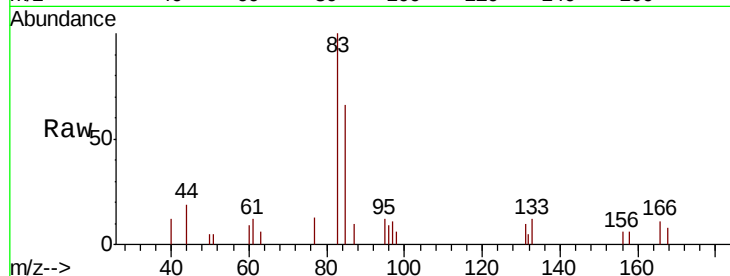
Tot Ion: 83 Resp: 5262

Ion Ratio Lower Upper

83 100

131 7.3 5.3 15.8

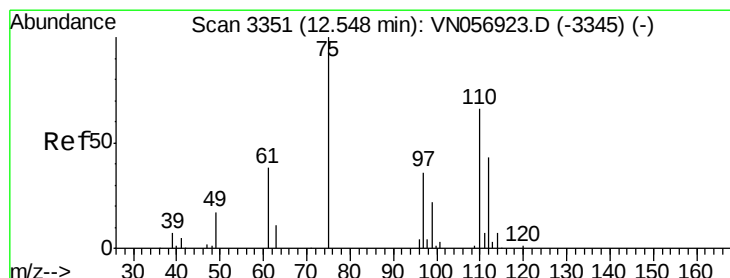
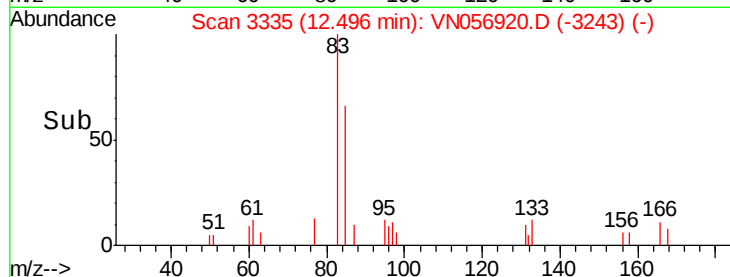
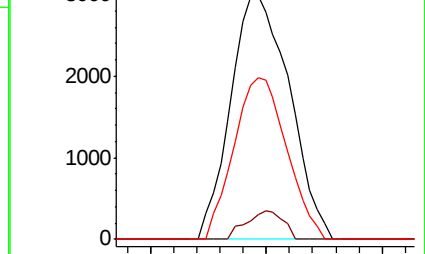
85 59.4 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN056920.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN056920.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN056920.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 1.716 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN056920.D

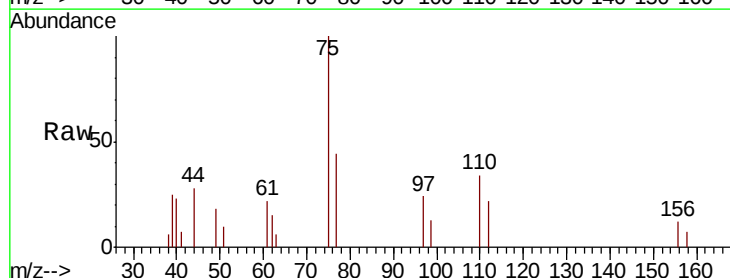
Acq: 25 Jul 2019 14:05

Tgt Ion: 75 Resp: 5358

Ion Ratio Lower Upper

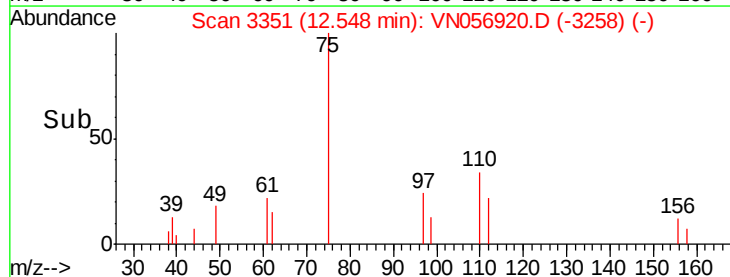
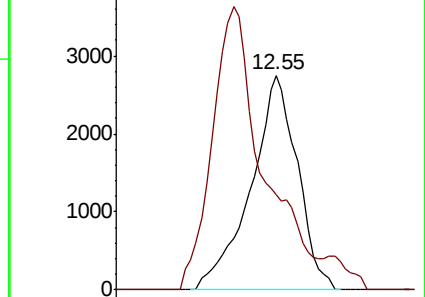
75 100

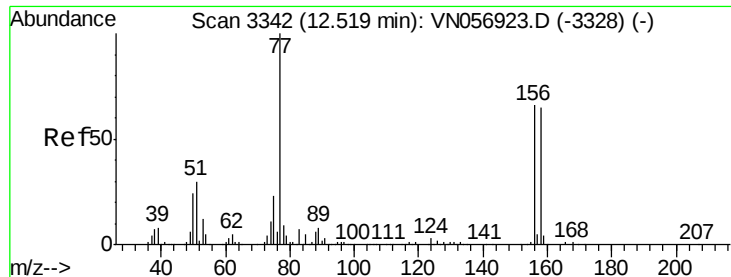
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056920.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN056920.D (-3345) (-)





#77

Bromobenzene

Concen: 1.206 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

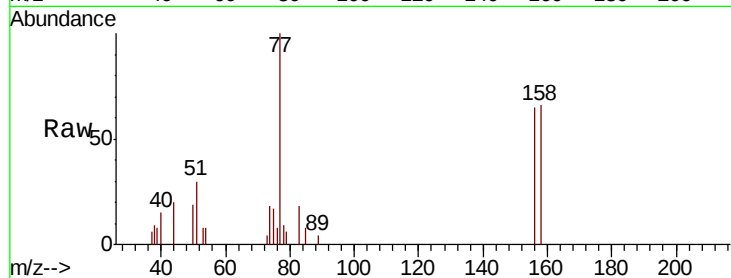
Tot Ion:156 Resp: 3930

Ion Ratio Lower Upper

156 100

77 197.1 90.8 272.3

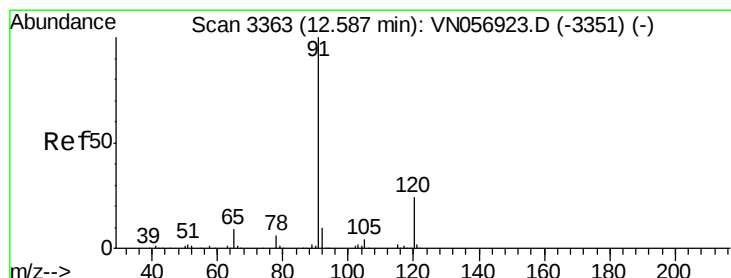
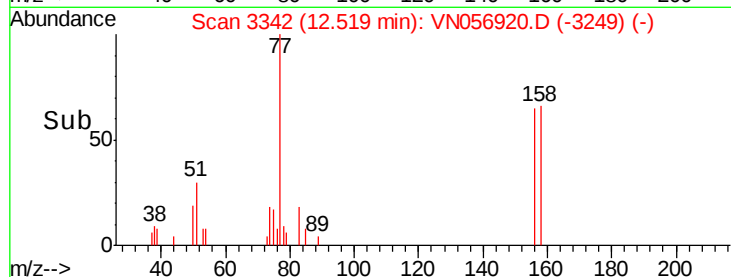
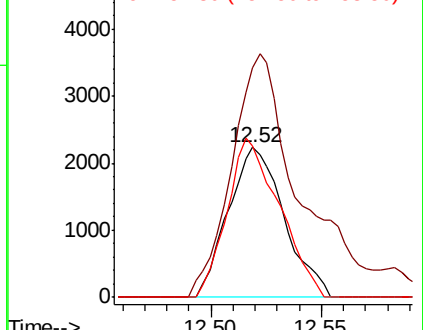
158 99.2 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.125 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN056920.D

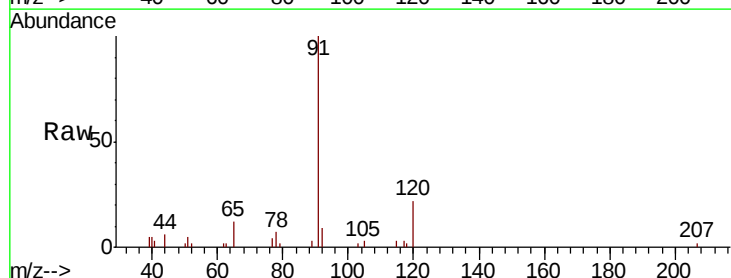
Acq: 25 Jul 2019 14:05

Tgt Ion: 91 Resp: 15506

Ion Ratio Lower Upper

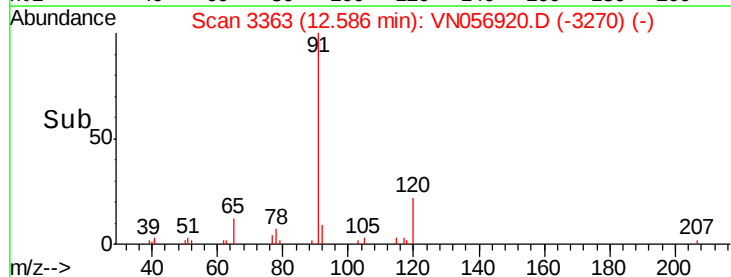
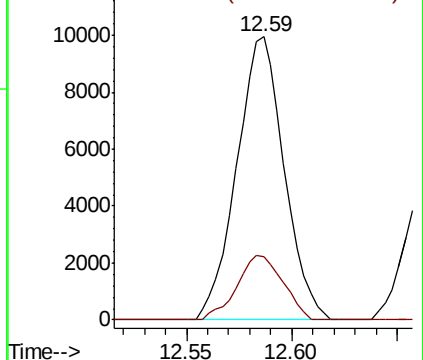
91 100

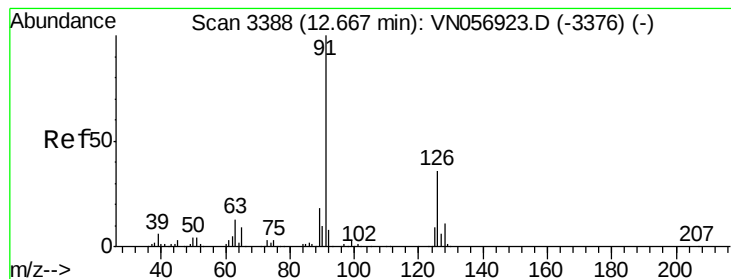
120 22.2 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.226 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

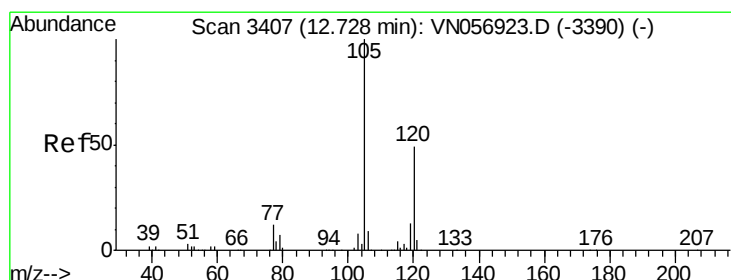
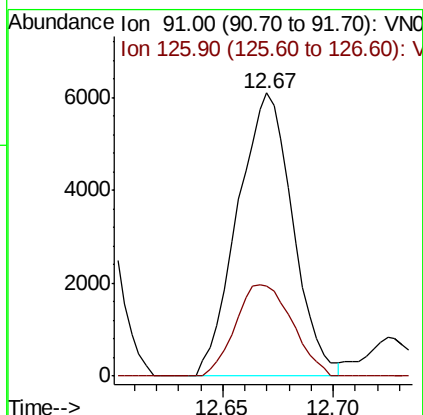
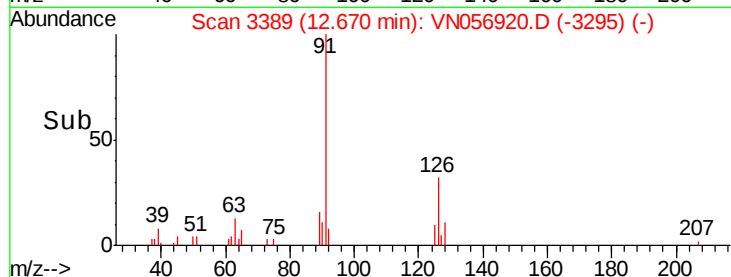
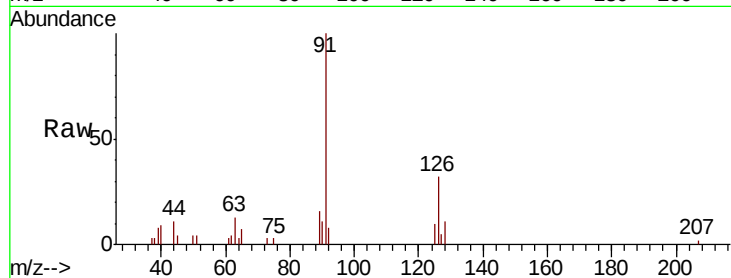
VSTDIC001

Tot Ion: 91 Resp: 10560

Ion Ratio Lower Upper

91 100

126 33.1 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 1.159 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056920.D

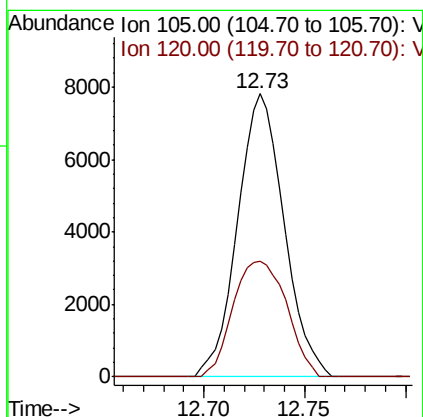
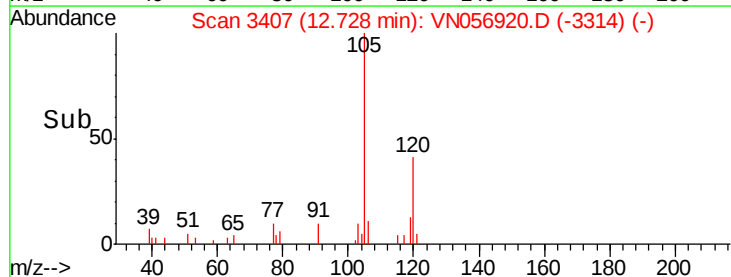
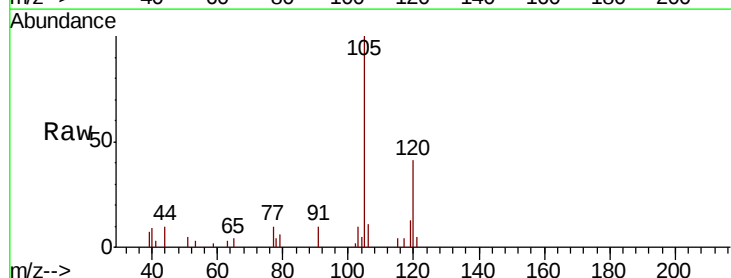
Acq: 25 Jul 2019 14:05

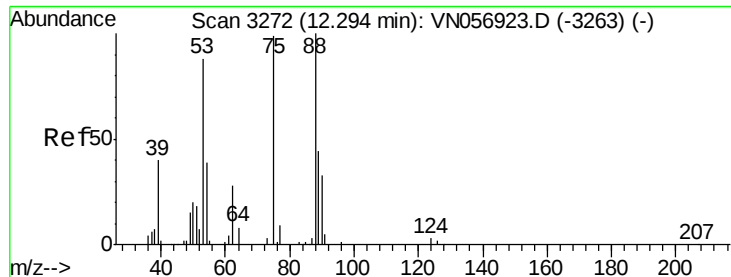
Tgt Ion: 105 Resp: 12621

Ion Ratio Lower Upper

105 100

120 47.1 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 0.766 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.01 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

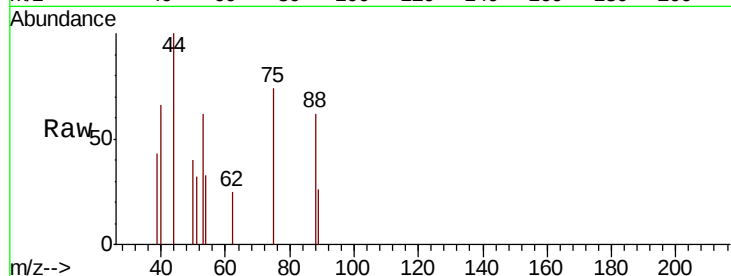
Tot Ion: 75 Resp: 735

Ion Ratio Lower Upper

75 100

53 120.7 72.3 108.5#

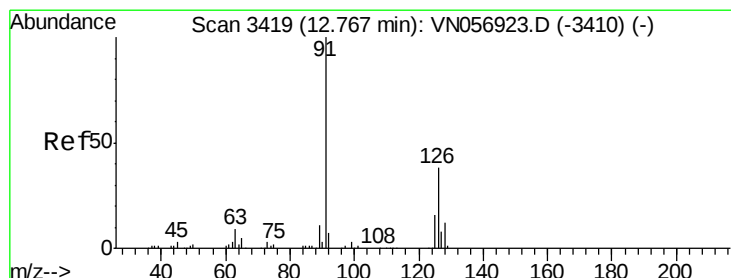
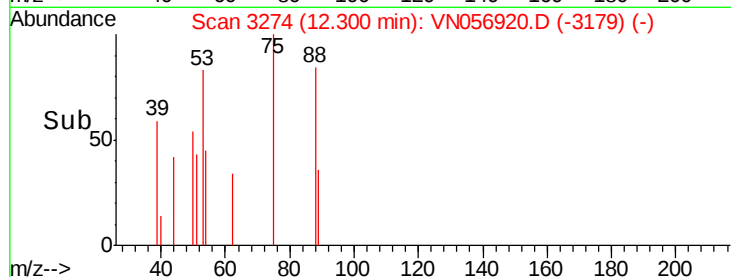
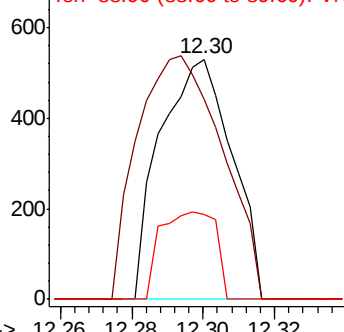
89 28.3 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.049 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN056920.D

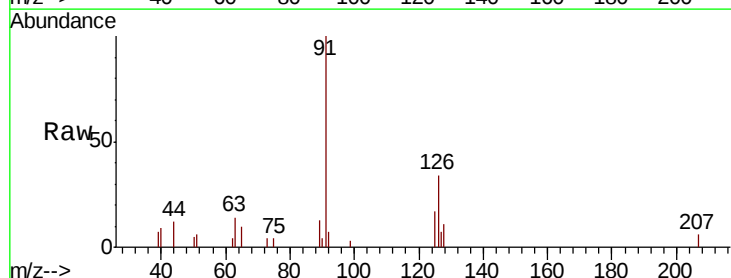
Acq: 25 Jul 2019 14:05

Tgt Ion: 91 Resp: 8578

Ion Ratio Lower Upper

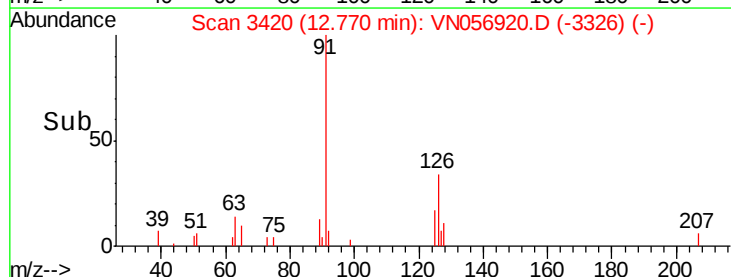
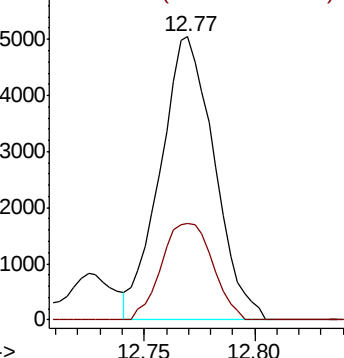
91 100

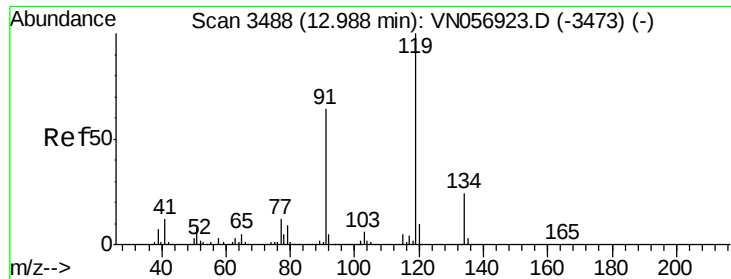
126 32.4 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

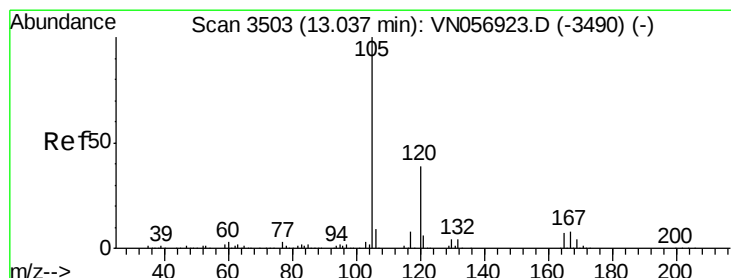
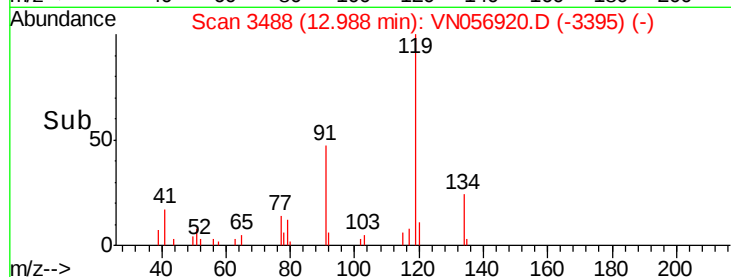
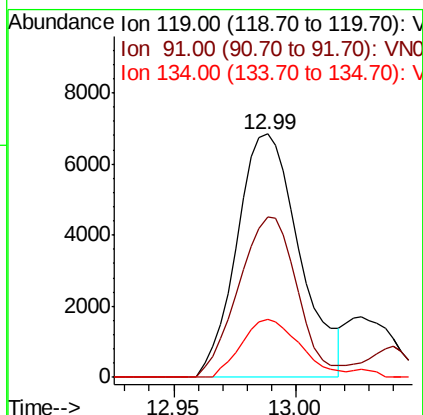
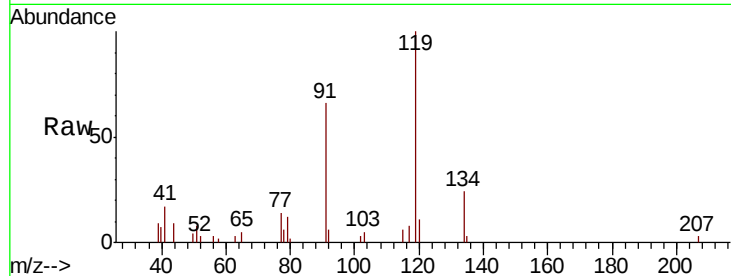




#83
tert-Butylbenzene
Concen: 1.280 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

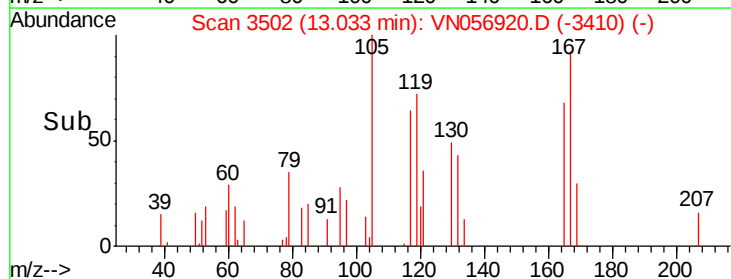
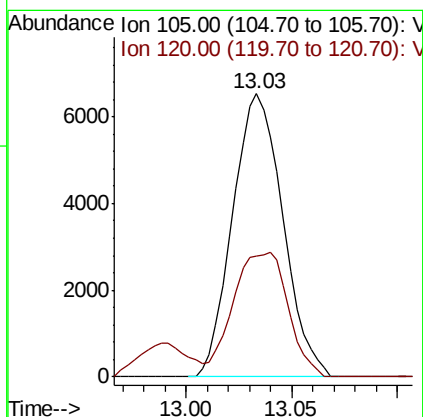
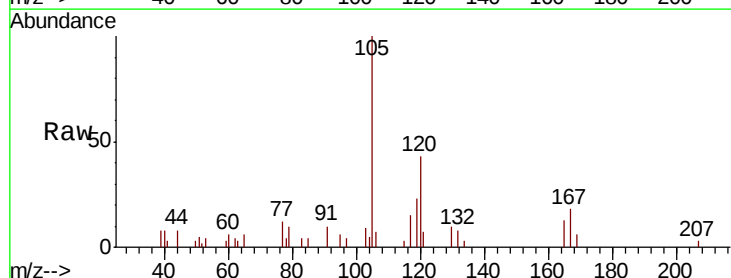
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

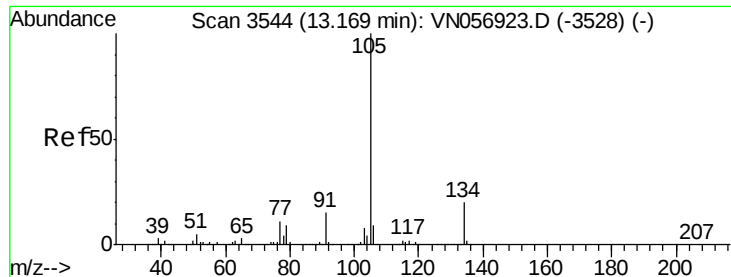
Tot Ion:119 Resp: 12193
Ion Ratio Lower Upper
119 100
91 61.6 31.6 95.0
134 22.4 13.2 39.5



#84
1,2,4-Trimethylbenzene
Concen: 1.044 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN056920.D
Acq: 25 Jul 2019 14:05

Tgt Ion:105 Resp: 10824
Ion Ratio Lower Upper
105 100
120 48.1 23.1 69.2





#85

sec-Butylbenzene

Concen: 1.086 ug/l

RT: 13.17 min Scan# 3543

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

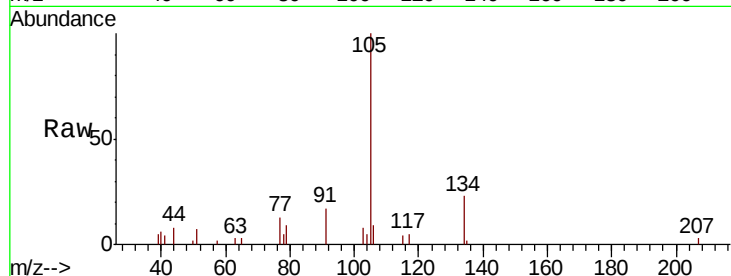
VSTDIC001

Tot Ion:105 Resp: 13247

Ion Ratio Lower Upper

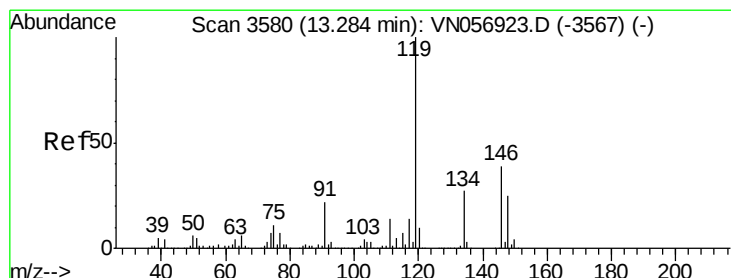
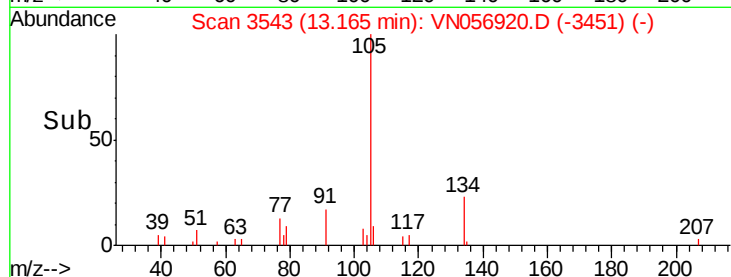
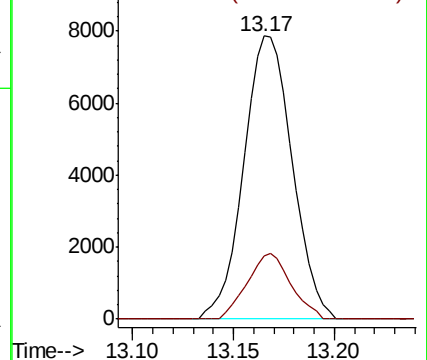
105 100

134 20.9 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.036 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

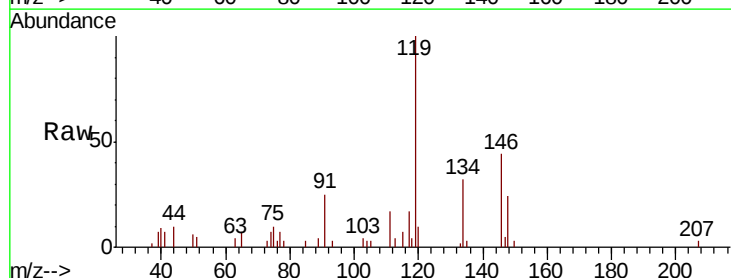
Tgt Ion:119 Resp: 11273

Ion Ratio Lower Upper

119 100

134 28.9 13.5 40.5

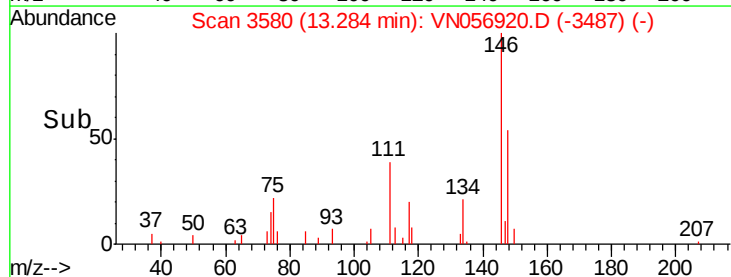
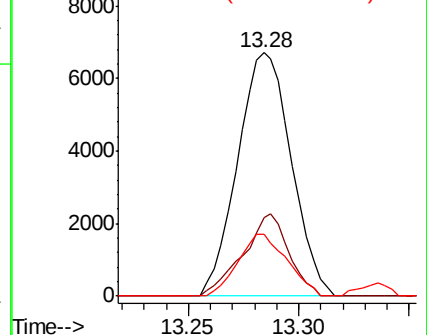
91 23.2 11.0 33.0

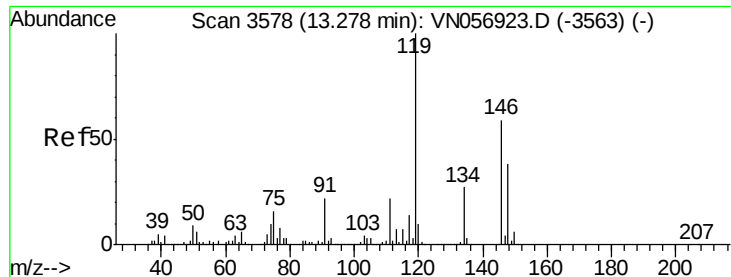


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

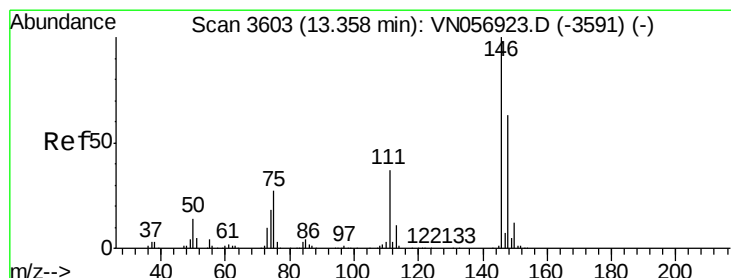
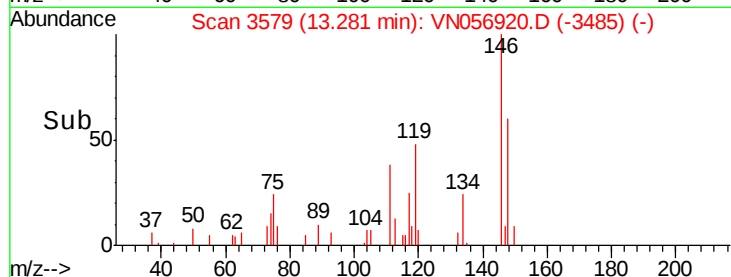
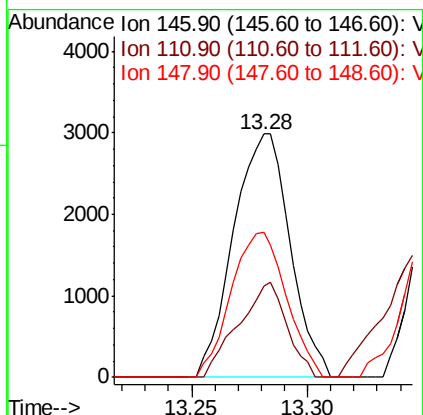
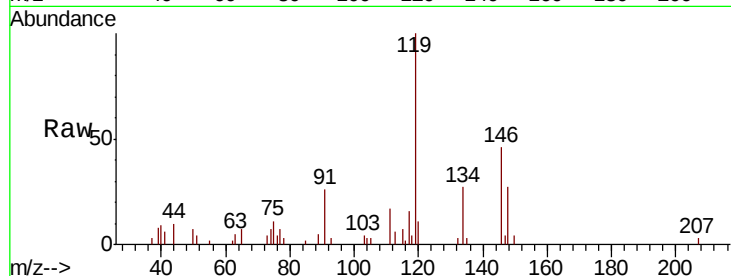




#87
 1,3-Dichlorobenzene
 Concen: 0.966 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

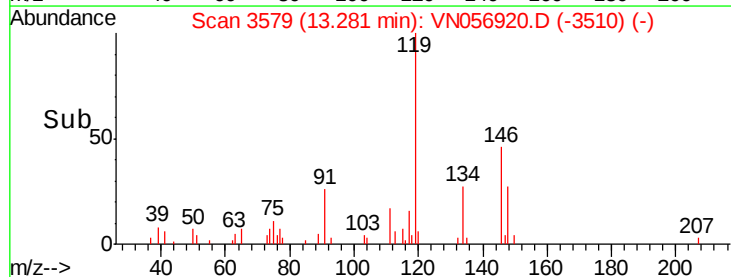
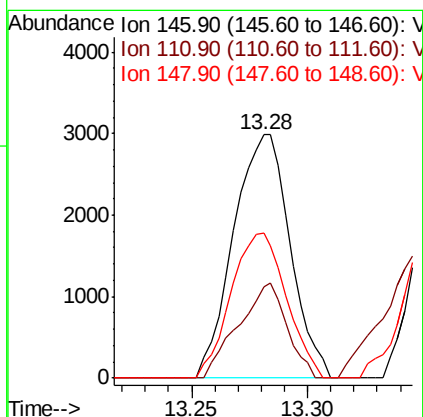
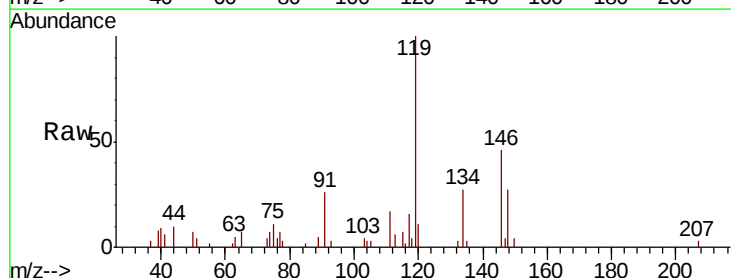
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

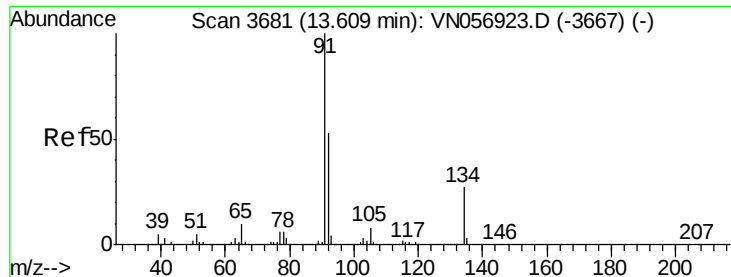
Tot Ion:146 Resp: 5054
 Ion Ratio Lower Upper
 146 100
 111 33.4 18.6 56.0
 148 58.2 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 0.998 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion:146 Resp: 5054
 Ion Ratio Lower Upper
 146 100
 111 33.4 18.9 56.5
 148 58.2 32.1 96.3





#89

n-Butylbenzene

Concen: 0.899 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

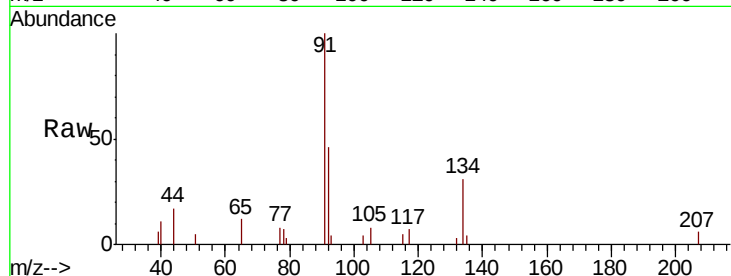
Tot Ion: 91 Resp: 7494

Ion Ratio Lower Upper

91 100

92 47.8 26.5 79.5

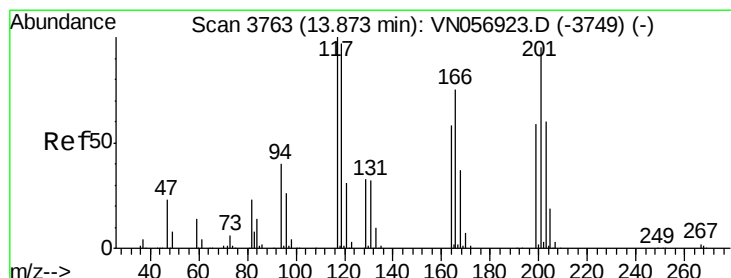
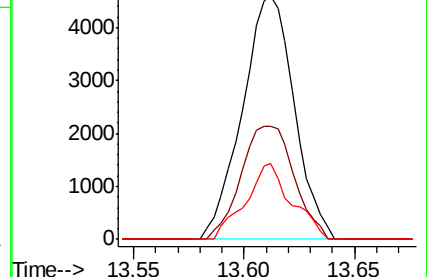
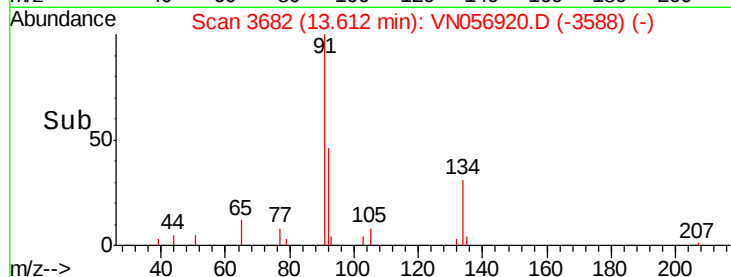
134 27.5 13.5 40.5



Abundance Ion 91.00 (90.70 to 91.70): VN056920.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN056920.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN056920.D (-3667) (-)



#90

Hexachloroethane

Concen: 1.292 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN056920.D

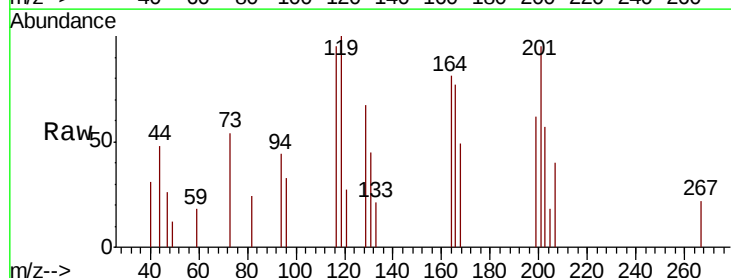
Acq: 25 Jul 2019 14:05

Tgt Ion: 117 Resp: 2431

Ion Ratio Lower Upper

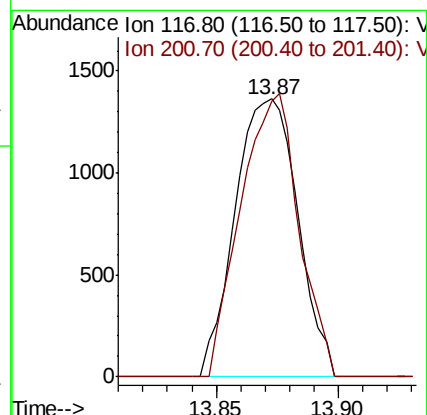
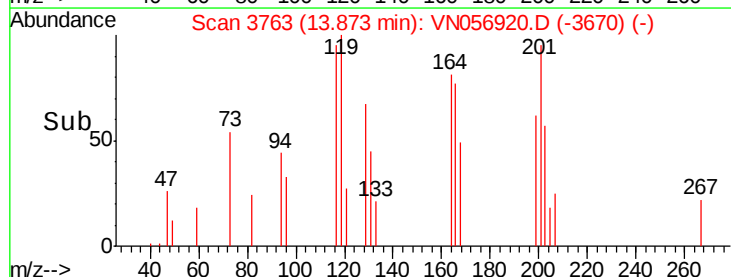
117 100

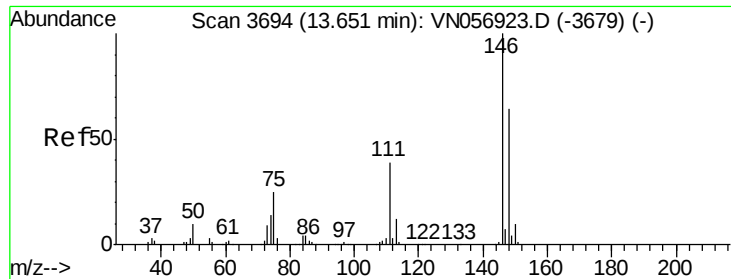
201 94.4 47.3 142.0



Abundance Ion 116.80 (116.50 to 117.50): VN056920.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056920.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 1.044 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

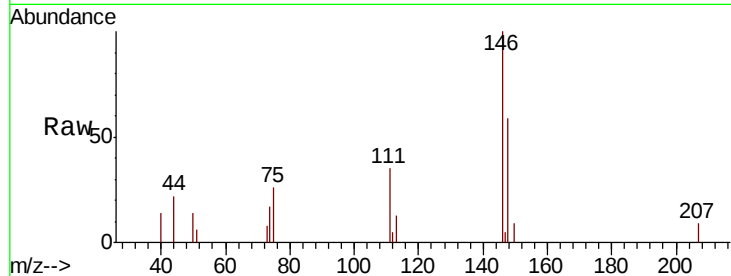
Tot Ion:146 Resp: 5478

Ion Ratio Lower Upper

146 100

111 39.6 19.6 58.8

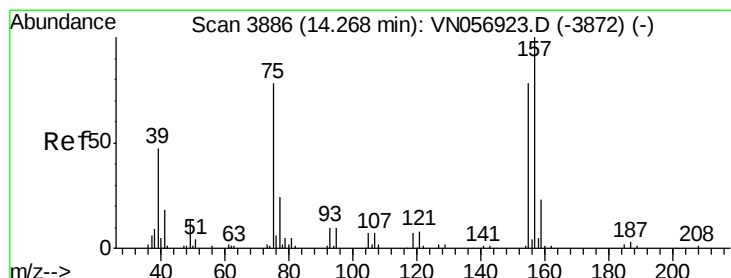
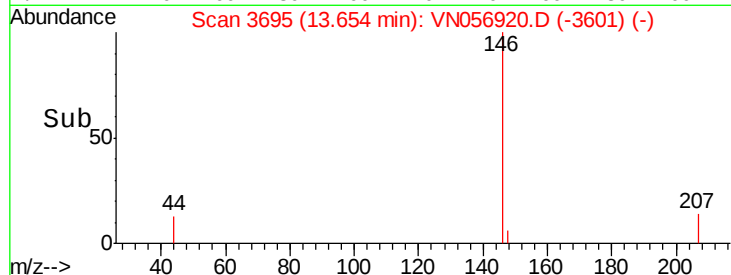
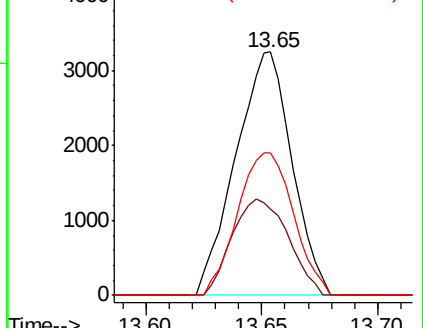
148 58.2 32.2 96.6



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: 0.884 ug/l

RT: 14.26 min Scan# 3884

Delta R.T. -0.01 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

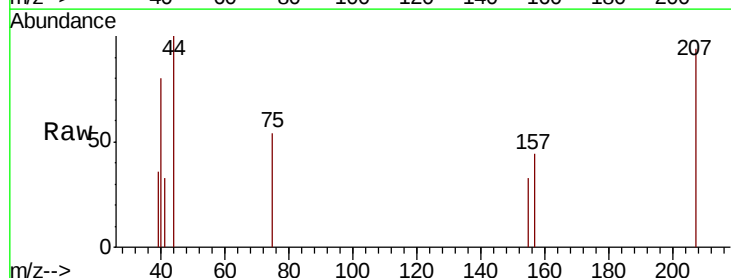
Tgt Ion: 75 Resp: 502

Ion Ratio Lower Upper

75 100

155 47.4 47.3 141.9

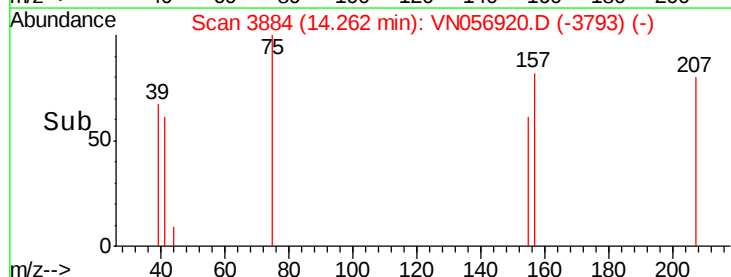
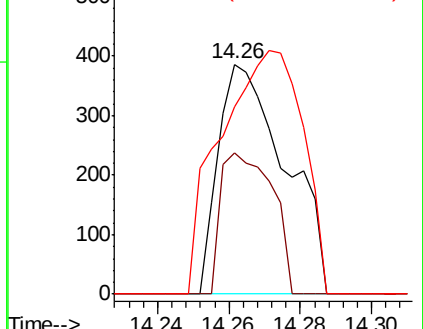
157 130.3 63.0 189.0

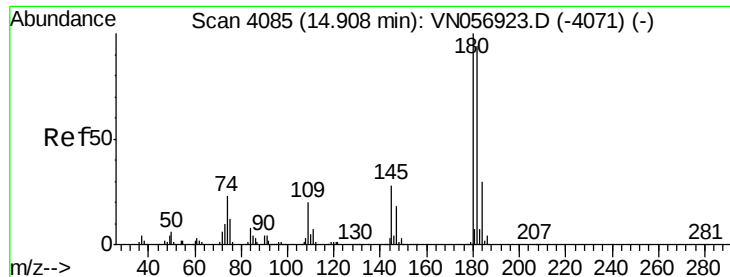


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

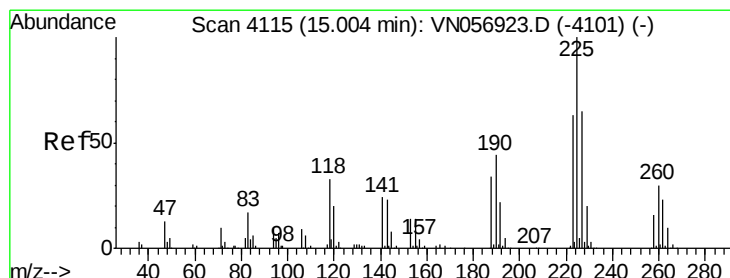
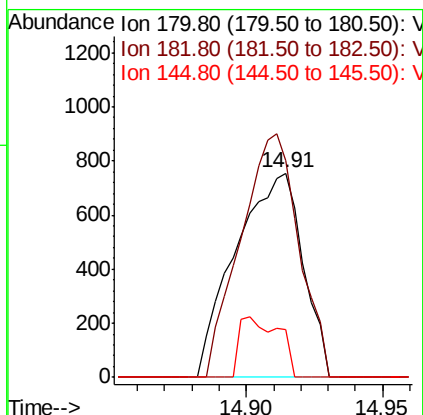
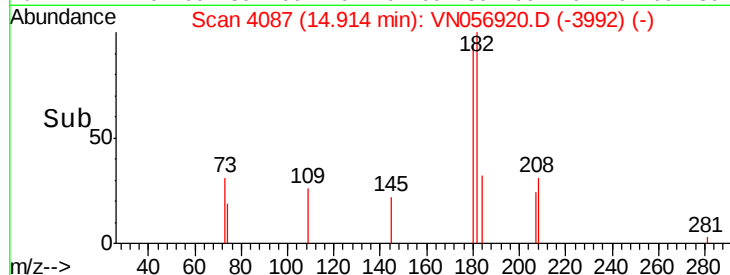
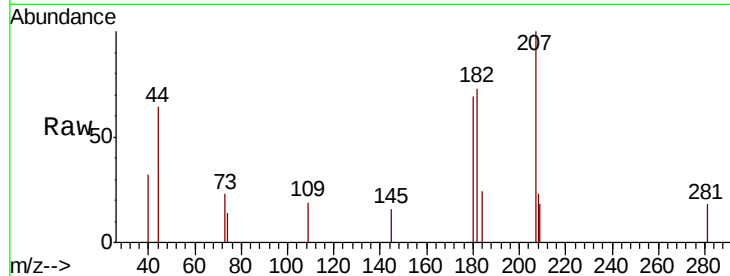




#93
 1,2,4-Trichlorobenzene
 Concen: 0.574 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.01 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

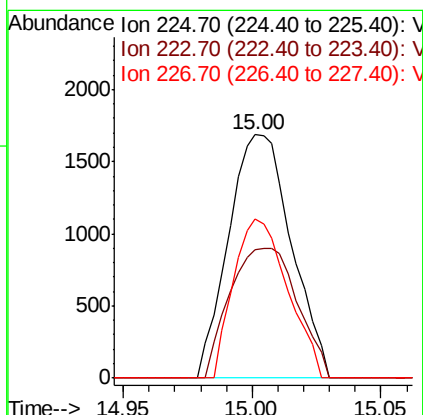
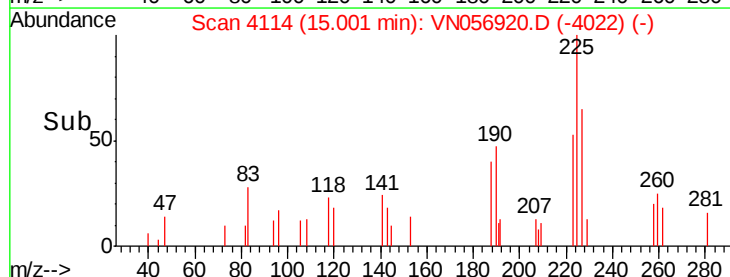
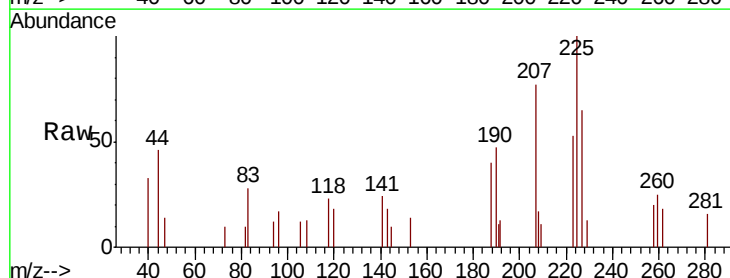
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

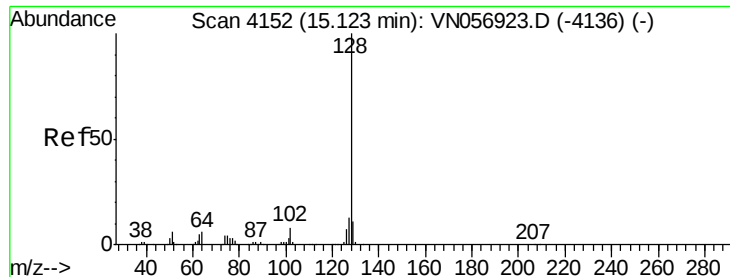
Tot Ion:180 Resp: 1294
 Ion Ratio Lower Upper
 180 100
 182 102.8 47.9 143.8
 145 17.1 14.1 42.4



#94
 Hexachlorobutadiene
 Concen: 1.389 ug/l
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.00 min
 Lab File: VN056920.D
 Acq: 25 Jul 2019 14:05

Tgt Ion:225 Resp: 2865
 Ion Ratio Lower Upper
 225 100
 223 57.5 31.3 93.9
 227 56.1 31.9 95.7





#95

Naphthalene

Concen: 0.554 ug/l

RT: 15.12 min Scan# 4150

Delta R.T. -0.01 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

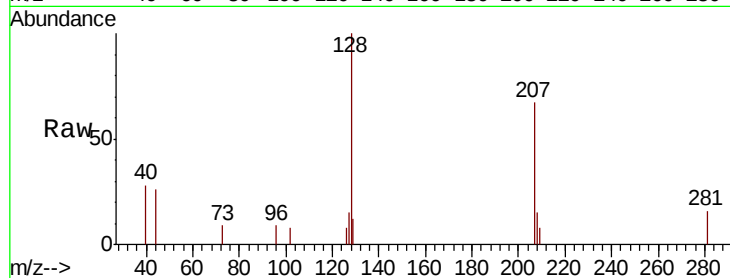
Tot Ion:128 Resp: 3279

Ion Ratio Lower Upper

128 100

127 8.0 10.2 15.2#

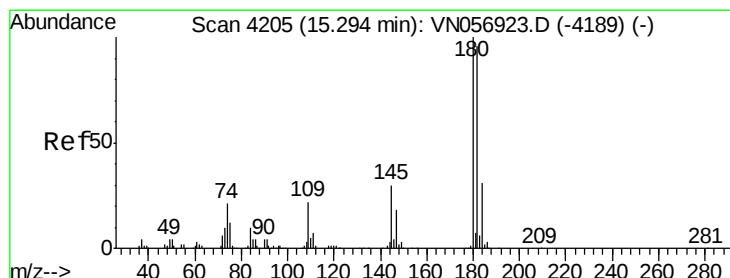
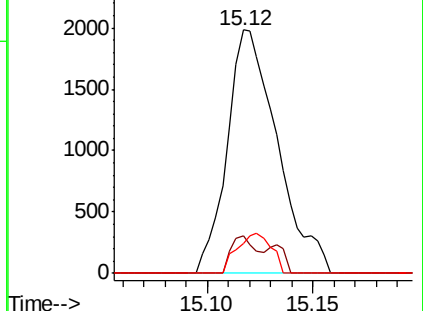
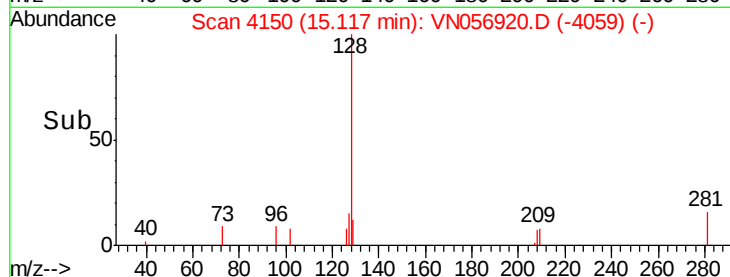
129 11.1 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 0.571 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN056920.D

Acq: 25 Jul 2019 14:05

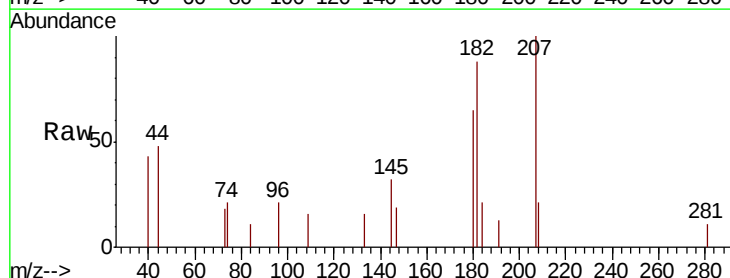
Tgt Ion:180 Resp: 1423

Ion Ratio Lower Upper

180 100

182 121.2 48.4 145.3

145 32.5 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

