

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056922.D
 Acq On : 25 Jul 2019 15:02
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 26 03:18:45 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	470607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	689715	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	604556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	241373	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	92968	18.33	ug/l	0.00
Spiked Amount			Recovery	=	36.66%	
35) Dibromofluoromethane	7.57	113	86689	19.45	ug/l	0.00
Spiked Amount			Recovery	=	38.90%	
50) Toluene-d8	10.08	98	326142	19.20	ug/l	0.00
Spiked Amount			Recovery	=	38.40%	
62) 4-Bromofluorobenzene	12.40	95	100858	18.21	ug/l	0.00
Spiked Amount			Recovery	=	36.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	107726	20.741	ug/l	100
3) Chloromethane	2.05	50	119843	18.479	ug/l	99
4) Vinyl Chloride	2.17	62	111828	18.781	ug/l	97
5) Bromomethane	2.55	94	65349	17.947	ug/l	98
6) Chloroethane	2.69	64	62386	18.956	ug/l	99
7) Trichlorofluoromethane	3.00	101	148421	19.983	ug/l	100
8) Diethyl Ether	3.39	74	52232	18.791	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	87710	19.190	ug/l	98
10) Methyl Iodide	3.93	142	124669	20.365	ug/l	99
11) Tert butyl alcohol	4.76	59	61983	88.237	ug/l	100
12) 1,1-Dichloroethene	3.72	96	85965	18.833	ug/l	98
13) Acrolein	3.59	56	34930	64.598	ug/l	99
14) Allyl chloride	4.30	41	133702	17.849	ug/l	99
15) Acrylonitrile	4.96	53	191362	89.908	ug/l	100
16) Acetone	3.80	43	150911	82.697	ug/l	100
17) Carbon Disulfide	4.03	76	225732	18.211	ug/l	100
18) Methyl Acetate	4.30	43	105470	14.980	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	244402	18.158	ug/l	100
20) Methylene Chloride	4.53	84	98824	18.370	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	90122	18.895	ug/l	98
22) Diisopropyl ether	5.93	45	285380	18.856	ug/l	96
23) Vinyl Acetate	5.87	43	943405	86.817	ug/l	100
24) 1,1-Dichloroethane	5.83	63	166175	18.918	ug/l	100
25) 2-Butanone	6.82	43	231764	87.344	ug/l	99
26) 2,2-Dichloropropane	6.80	77	115266	18.480	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	103618	18.898	ug/l	99
28) Bromochloromethane	7.18	49	79788	19.966	ug/l	99
29) Tetrahydrofuran	7.19	42	159316	88.241	ug/l	99
30) Chloroform	7.36	83	165611	18.767	ug/l	100
31) Cyclohexane	7.63	56	156108	18.377	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	135167	18.935	ug/l	99
36) 1,1-Dichloropropene	7.77	75	122612	19.270	ug/l	99
37) Ethyl Acetate	6.91	43	95856	18.818	ug/l	99
38) Carbon Tetrachloride	7.76	117	115725	19.046	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	153373	19.184	ug/l	99
40) Benzene	8.02	78	381177	19.239	ug/l	99
41) Methacrylonitrile	7.15	41	36575	14.871	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	119634	19.327	ug/l	99
43) Isopropyl Acetate	8.15	43	155010	17.637	ug/l #	91
44) Trichloroethene	8.82	130	104166	19.519	ug/l	97
45) 1,2-Dichloropropane	9.11	63	100533	18.789	ug/l	99
46) Dibromomethane	9.19	93	62488	18.922	ug/l	99
47) Bromodichloromethane	9.39	83	118800	19.084	ug/l	99
48) Methyl methacrylate	9.19	41	74399	16.969	ug/l	99
49) 1,4-Dioxane	9.19	88	33352	384.980	ug/l	94
51) 4-Methyl-2-Pentanone	9.97	43	476432	91.096	ug/l	99
52) Toluene	10.15	92	235852	19.753	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	119487	18.786	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	141018	18.753	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	90458	19.081	ug/l	98
56) Ethyl methacrylate	10.42	69	119609	18.277	ug/l	100
57) 1,3-Dichloropropane	10.70	76	150740	19.224	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	262659	96.336	ug/l	99
59) 2-Hexanone	10.74	43	322284	88.754	ug/l	100
60) Dibromochloromethane	10.89	129	89835	18.876	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91334	19.441	ug/l	99
64) Tetrachloroethene	10.62	164	111867	21.241	ug/l	98
65) Chlorobenzene	11.43	112	247969	19.640	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	91022	19.108	ug/l	99
67) Ethyl Benzene	11.50	91	431835	19.792	ug/l	100
68) m/p-Xylenes	11.61	106	324816	39.754	ug/l	100
69) o-Xylene	11.94	106	154128	19.369	ug/l	96
70) Styrene	11.96	104	254800	20.079	ug/l	99
71) Bromoform	12.12	173	59804	18.237	ug/l #	99
73) Isopropylbenzene	12.24	105	418350	19.663	ug/l	99
74) N-amyl acetate	12.06	43	115766	16.438	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	111381	17.815	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	131116	25.774	ug/l #	100
77) Bromobenzene	12.52	156	106055	19.980	ug/l	99
78) n-propylbenzene	12.59	91	451087	20.098	ug/l	100
79) 2-Chlorotoluene	12.67	91	273634	19.510	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	351874	19.845	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	27044	17.299	ug/l	90
82) 4-Chlorotoluene	12.77	91	257244	19.312	ug/l	99
83) tert-Butylbenzene	12.99	119	303276	19.537	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	340037	20.128	ug/l	100
85) sec-Butylbenzene	13.17	105	395661	19.918	ug/l	100
86) p-Isopropyltoluene	13.28	119	351404	19.828	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	165978	19.471	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	159126	19.297	ug/l	99
89) n-Butylbenzene	13.61	91	267576	19.696	ug/l	98
90) Hexachloroethane	13.87	117	56062	18.291	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	167205	19.567	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	15382	16.624	ug/l	95

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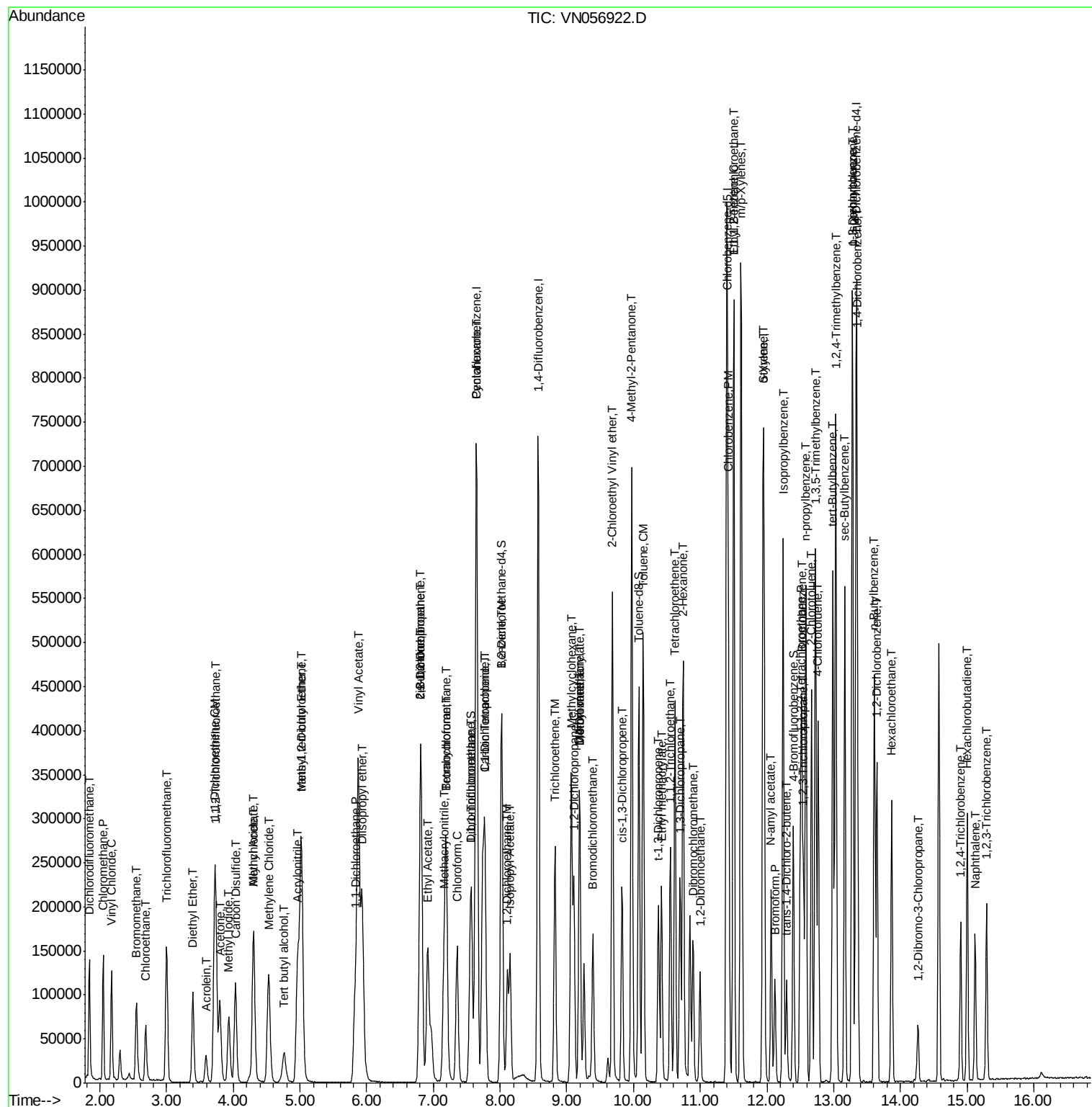
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	63154	17.184	ug/l	99
94) Hexachlorobutadiene	15.00	225	65191	19.402	ug/l	99
95) Naphthalene	15.12	128	144766	15.020	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	70538	17.367	ug/l	99

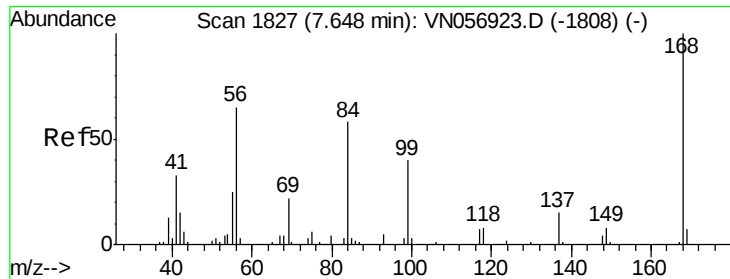
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

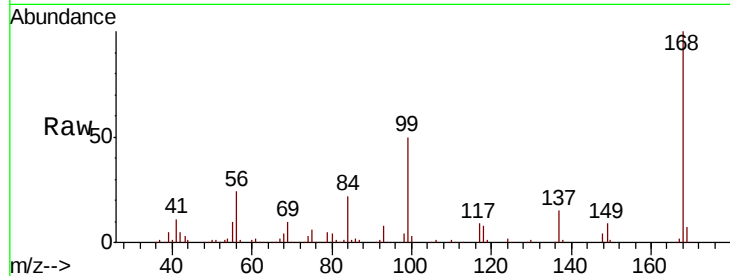
VSTDIC020

Tot Ion:168 Resp: 470607

Ion Ratio Lower Upper

168 100

99 49.7 38.6 58.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

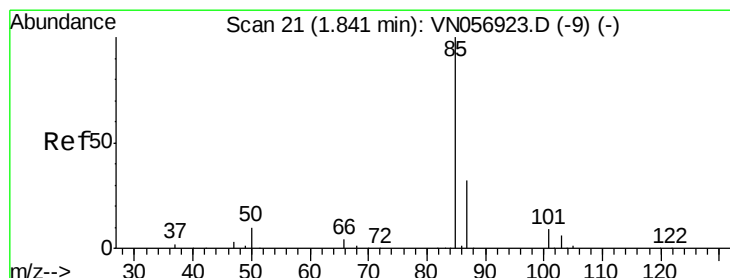
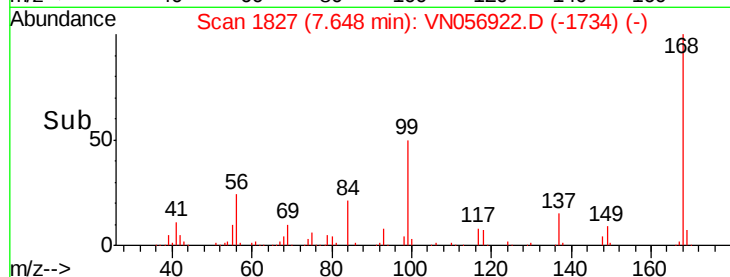
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.741 ug/l

RT: 1.84 min Scan# 21

Delta R.T. -0.00 min

Lab File: VN056922.D

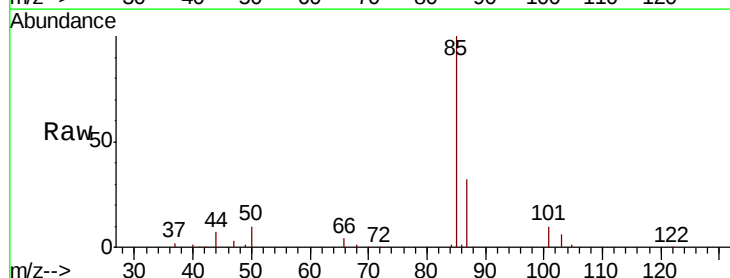
Acq: 25 Jul 2019 15:02

Tgt Ion: 85 Resp: 107726

Ion Ratio Lower Upper

85 100

87 32.3 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

80000

60000

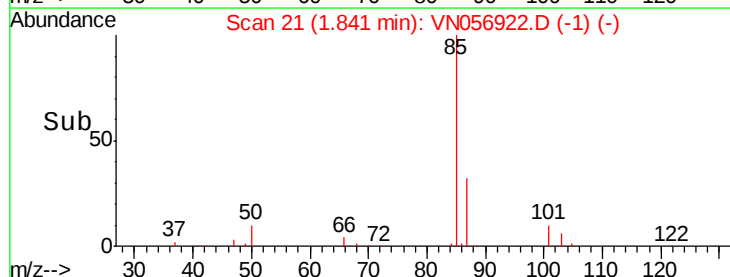
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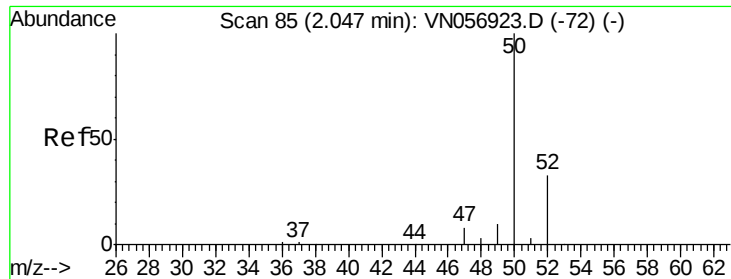
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0

1.80 1.85 1.90 1.95

Time-->

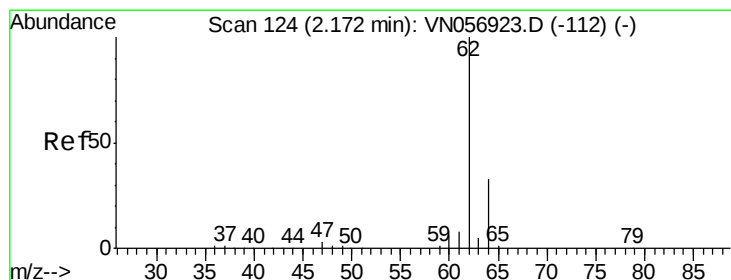
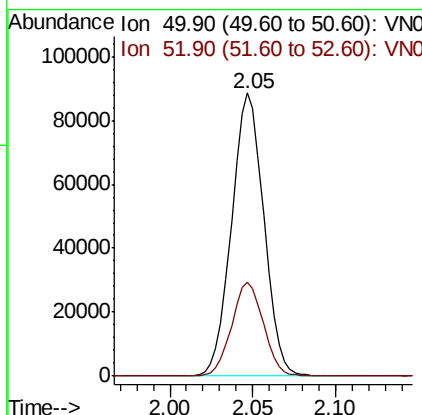
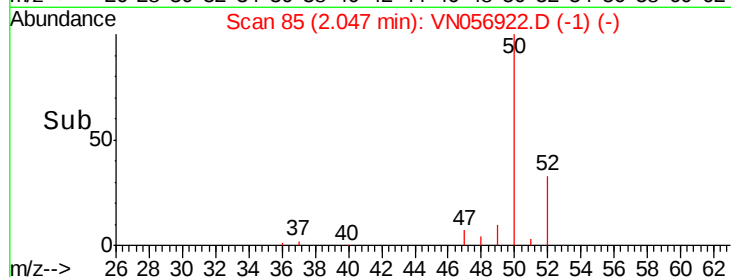
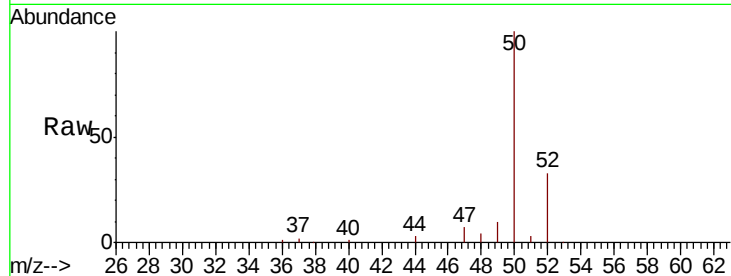




#3
Chloromethane
Concen: 18.479 ug/l
RT: 2.05 min Scan# 85
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

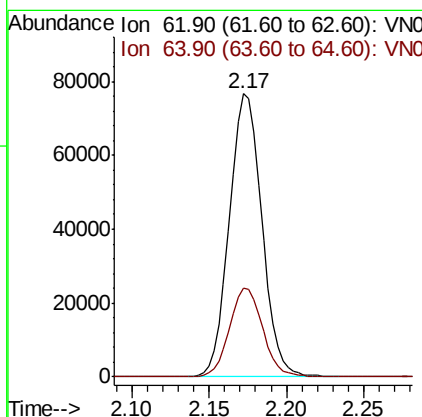
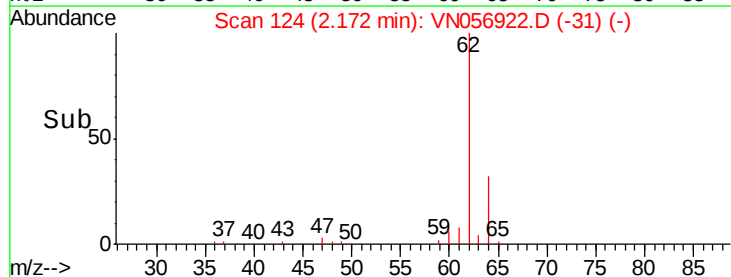
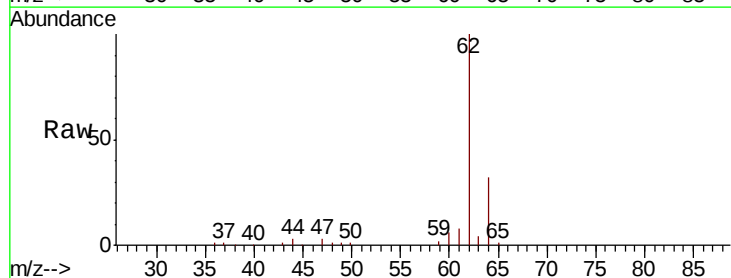
Instrument :
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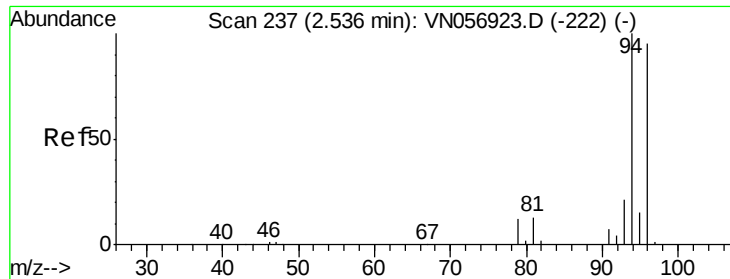
Tot Ion: 50 Resp: 119843
Ion Ratio Lower Upper
50 100
52 33.0 26.8 40.2



#4
Vinyl Chloride
Concen: 18.781 ug/l
RT: 2.17 min Scan# 124
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 62 Resp: 111828
Ion Ratio Lower Upper
62 100
64 31.5 26.4 39.6

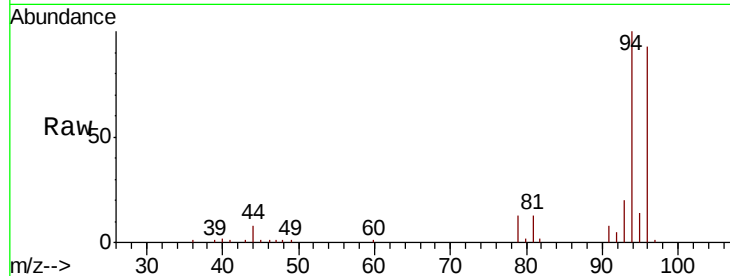




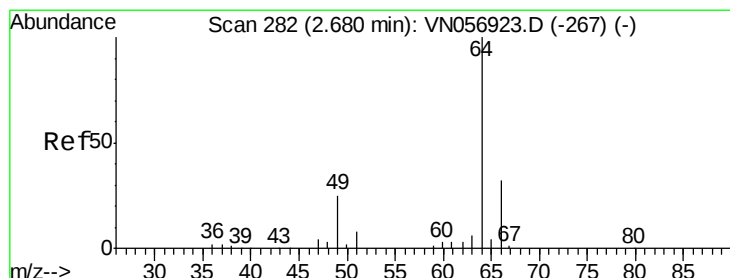
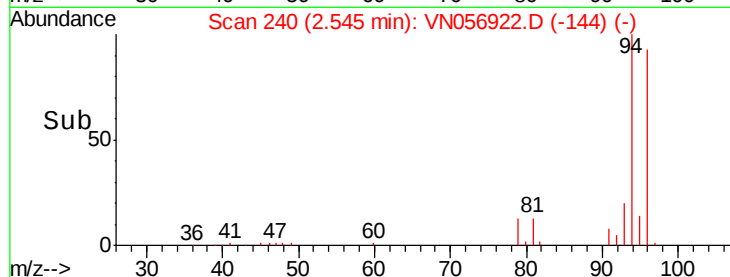
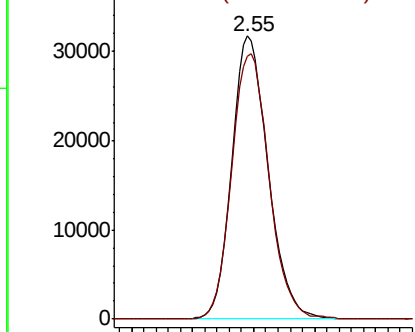
#5
Bromomethane
Concen: 17.947 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 65349
Ion Ratio Lower Upper
94 100
96 92.7 75.7 113.5

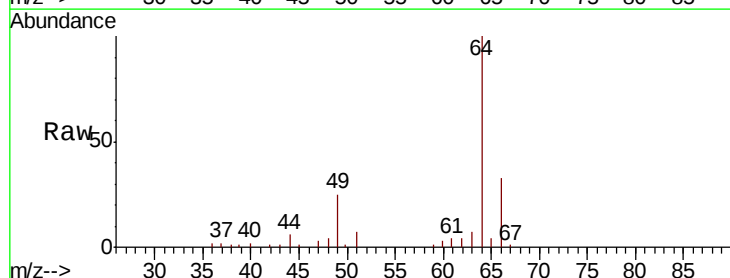


Abundance Ion 93.90 (93.60 to 94.60): VNC
Ion 95.90 (95.60 to 96.60): VNC

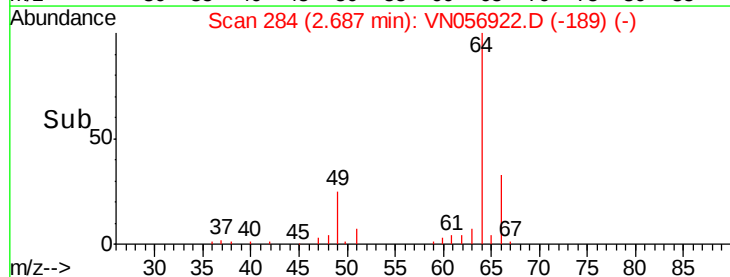
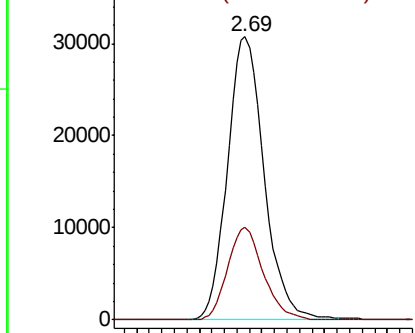


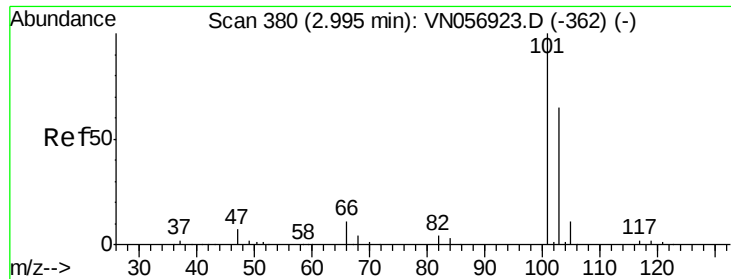
#6
Chloroethane
Concen: 18.956 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 64 Resp: 62386
Ion Ratio Lower Upper
64 100
66 32.8 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VNC
Ion 65.90 (65.60 to 66.60): VNC



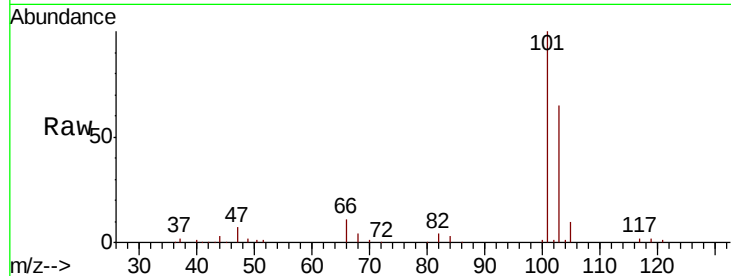


#7

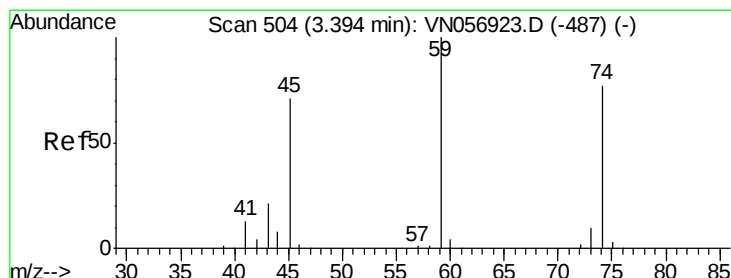
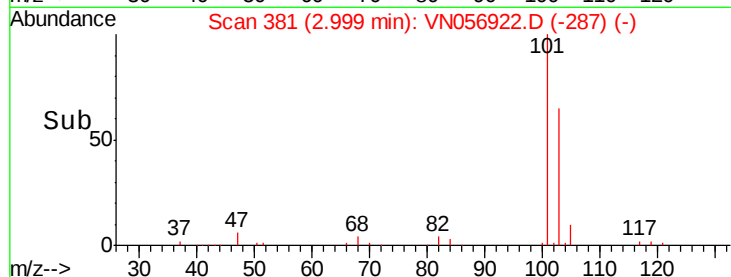
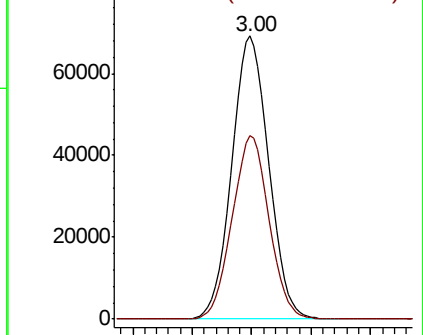
Trichlorofluoromethane
Concen: 19.983 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

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Tot Ion:101 Resp: 148421
Ion Ratio Lower Upper
101 100
103 64.9 52.0 78.0



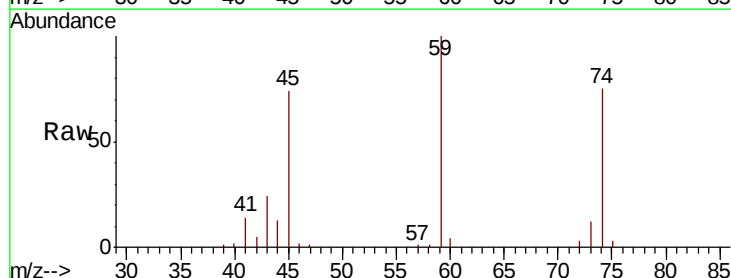
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



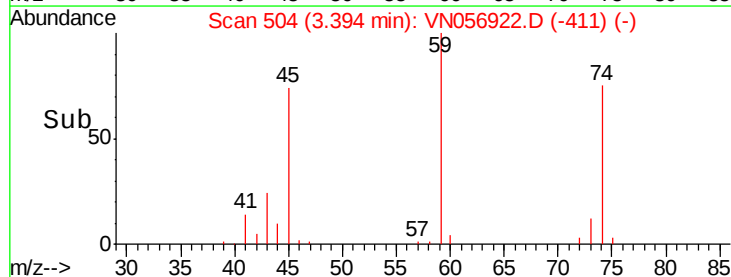
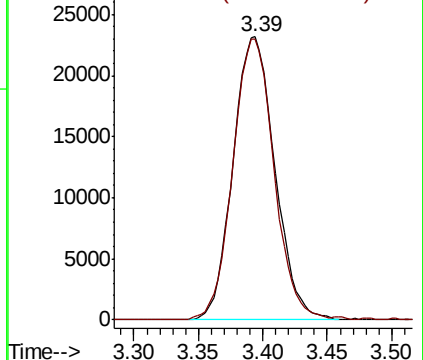
#8

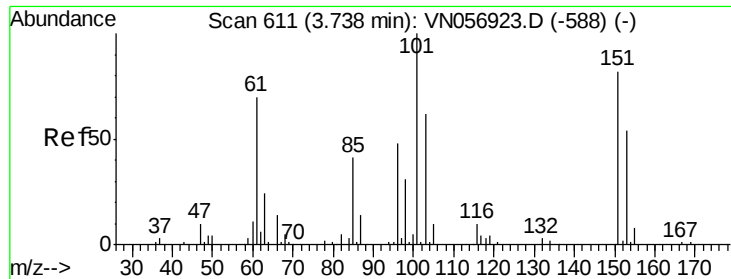
Diethyl Ether
Concen: 18.791 ug/l
RT: 3.39 min Scan# 504
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 74 Resp: 52232
Ion Ratio Lower Upper
74 100
45 97.6 48.1 144.4



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

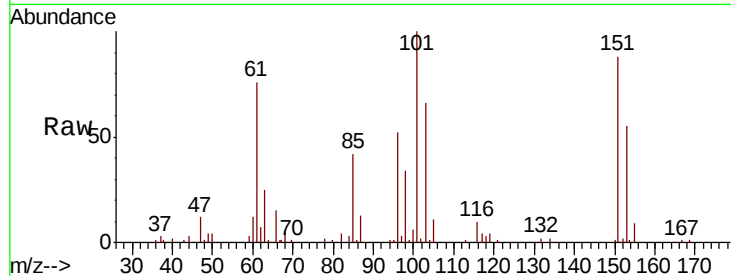




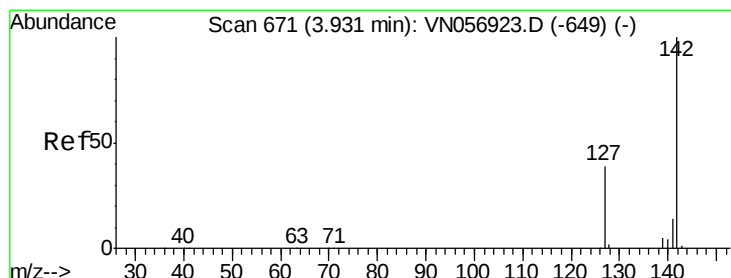
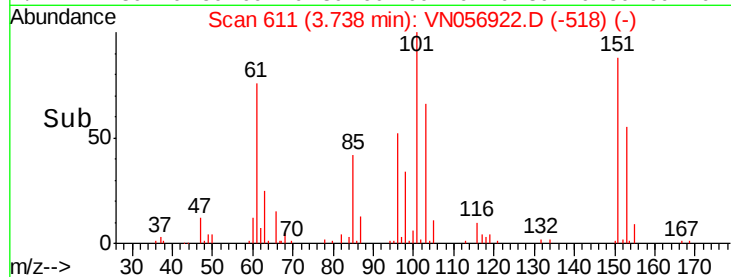
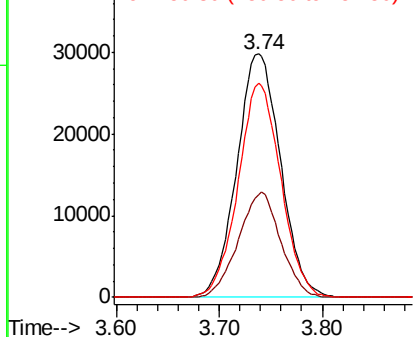
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.190 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:101 Resp: 87710
 Ion Ratio Lower Upper
 101 100
 85 41.6 32.7 49.1
 151 85.8 67.4 101.0

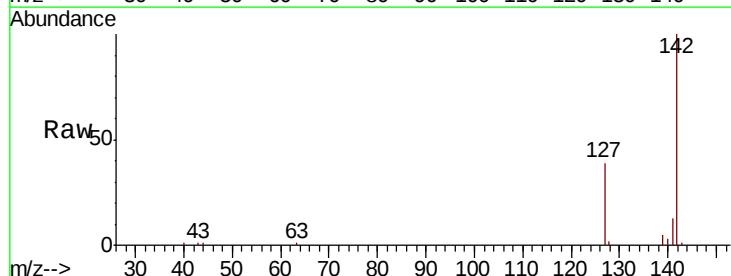


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

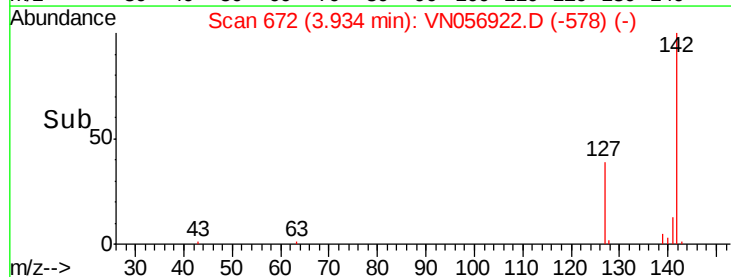
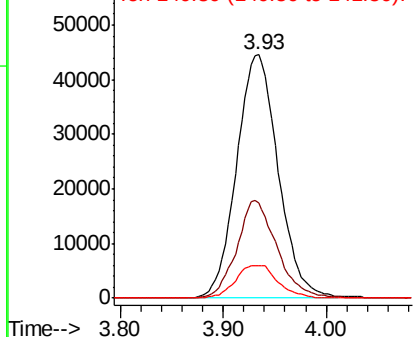


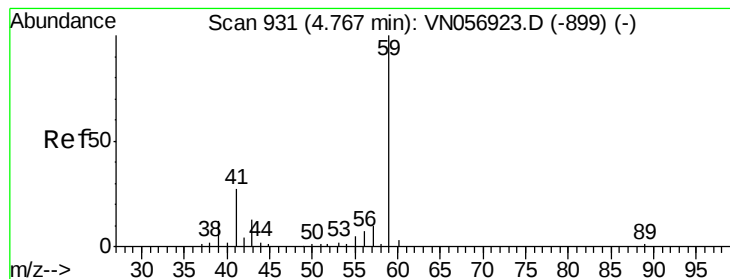
#10
 Methyl Iodide
 Concen: 20.365 ug/l
 RT: 3.93 min Scan# 672
 Delta R.T. 0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion:142 Resp: 124669
 Ion Ratio Lower Upper
 142 100
 127 38.7 30.5 45.7
 141 13.6 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



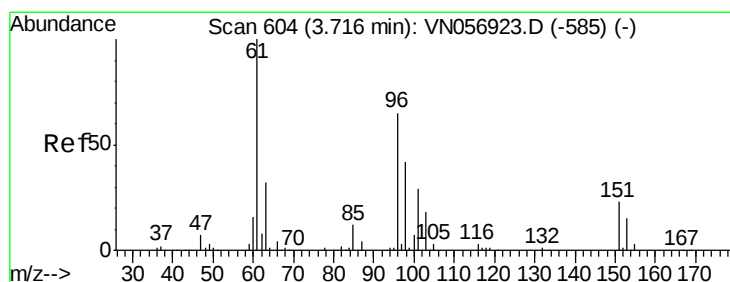
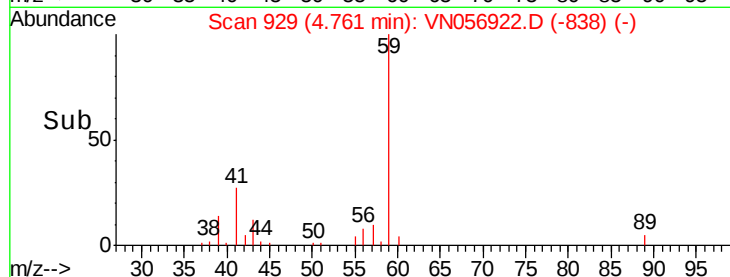
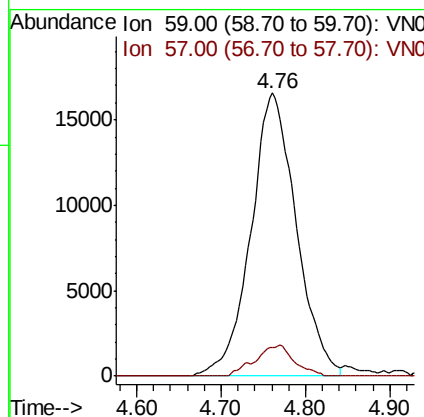
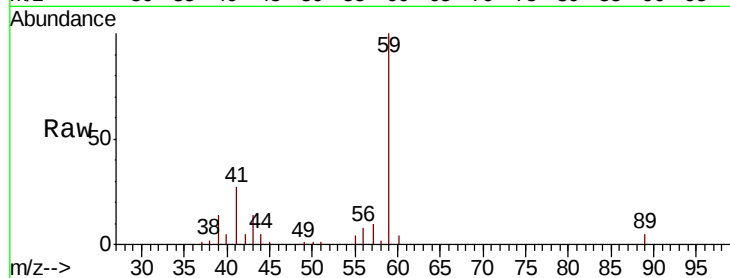


#11

Tert butyl alcohol
 Concen: 88.237 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.01 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

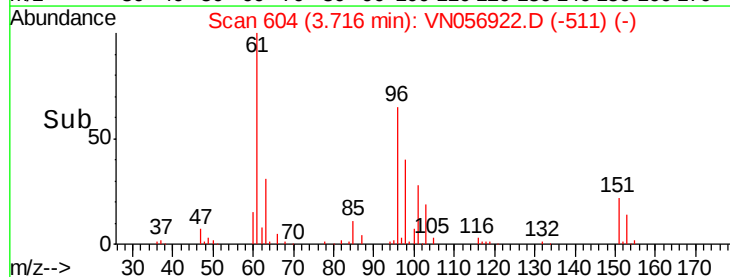
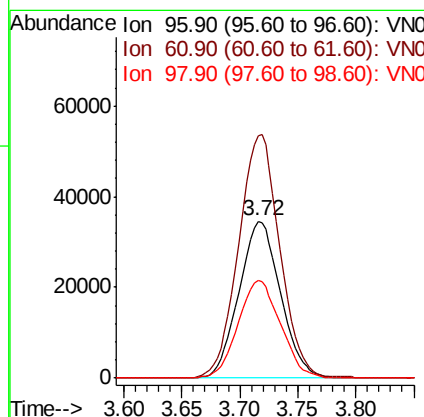
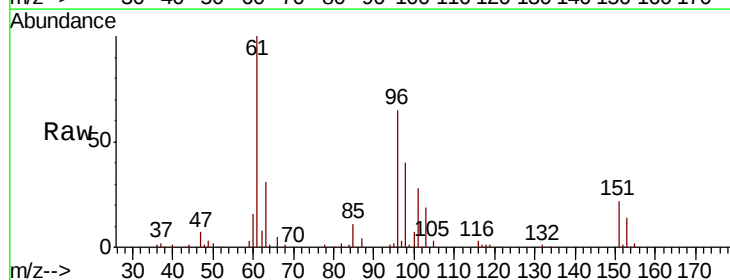
Tot Ion: 59 Resp: 61983
 Ion Ratio Lower Upper
 59 100
 57 9.3 7.6 11.4

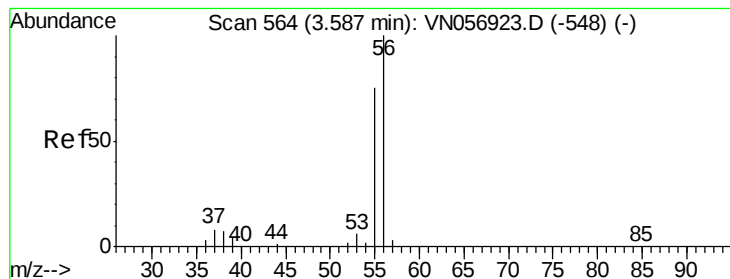


#12

1,1-Dichloroethene
 Concen: 18.833 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion: 96 Resp: 85965
 Ion Ratio Lower Upper
 96 100
 61 154.6 122.4 183.6
 98 62.0 51.3 76.9





#13

Acrolein

Concen: 64.598 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

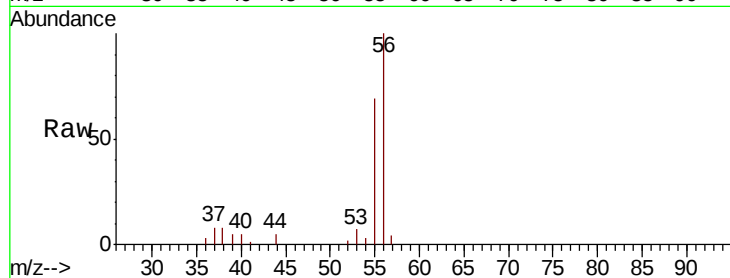
VSTDIC020

Tot Ion: 56 Resp: 34930

Ion Ratio Lower Upper

56 100

55 72.7 57.5 86.3



Abundance Ion 56.00 (55.70 to 56.70): VN056922.D (-548) (-)

Ion 55.00 (54.70 to 55.70): VN056922.D (-548) (-)

3.59

15000

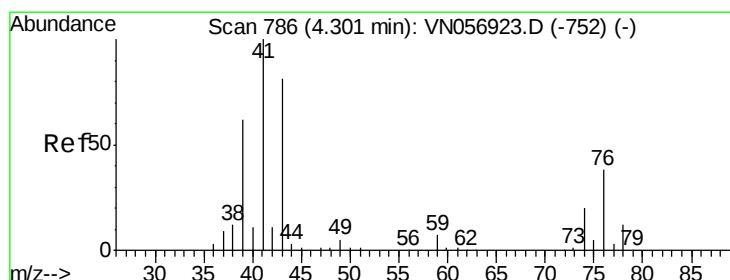
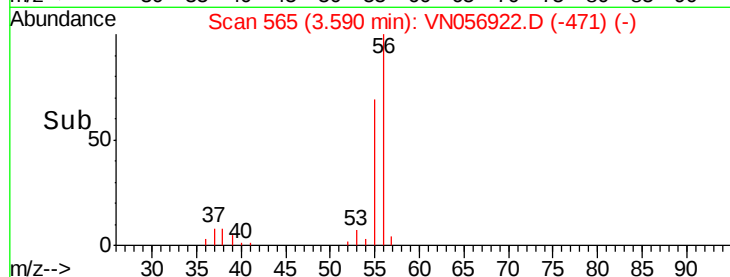
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 17.849 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

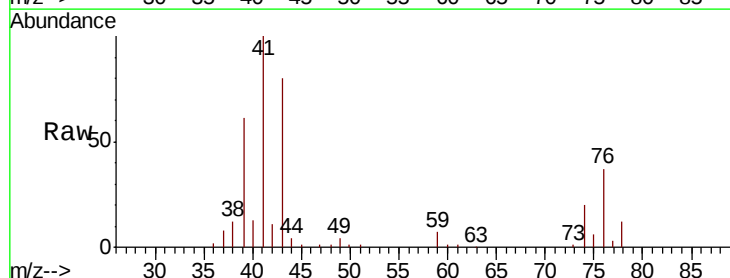
Tgt Ion: 41 Resp: 133702

Ion Ratio Lower Upper

41 100

39 60.6 47.5 71.3

76 35.0 28.0 42.0



Abundance Ion 41.00 (40.70 to 41.70): VN056922.D (-693) (-)

Ion 39.00 (38.70 to 39.70): VN056922.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN056922.D (-693) (-)

4.30

60000

50000

40000

30000

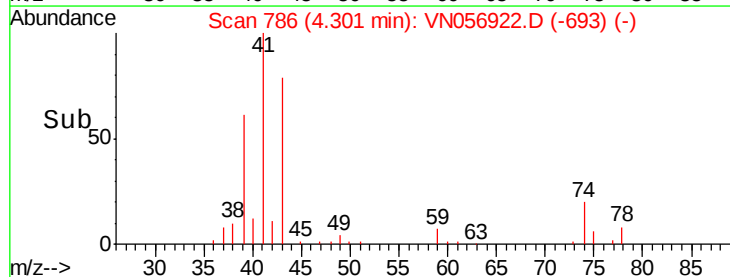
20000

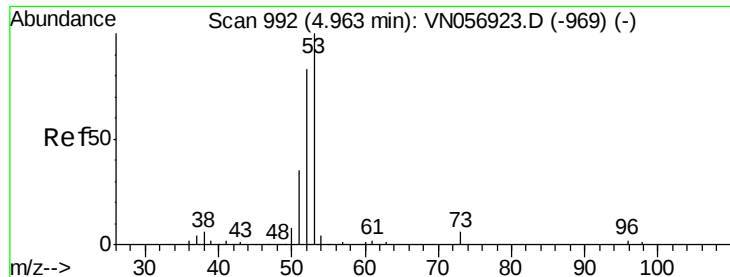
10000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 89.908 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

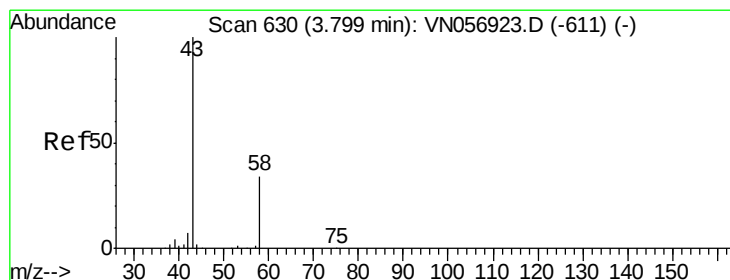
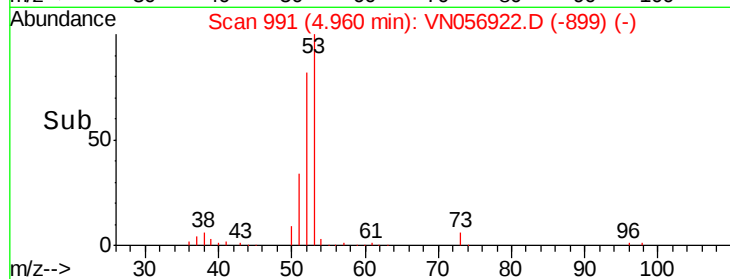
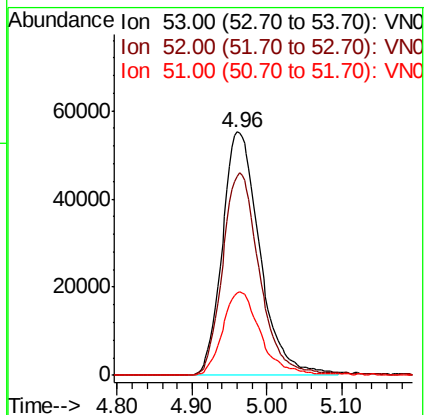
MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 53 Resp: 191362

Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.5	98.3
51	34.8	28.1	42.1



#16

Acetone

Concen: 82.697 ug/l

RT: 3.80 min Scan# 629

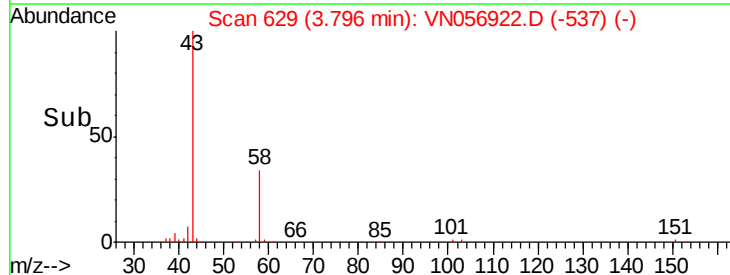
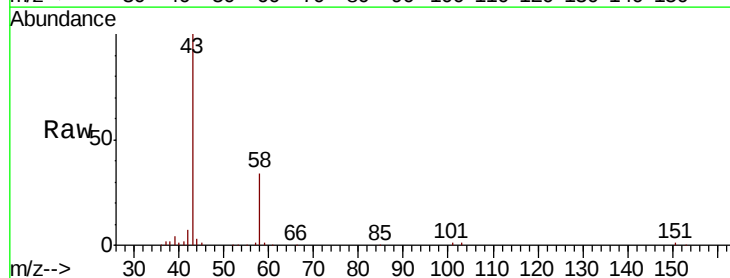
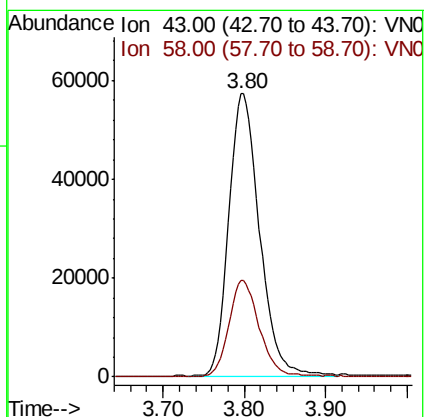
Delta R.T. -0.00 min

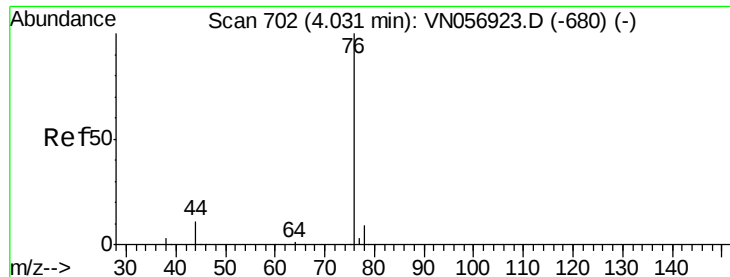
Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion: 43 Resp: 150911

Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.3	40.9

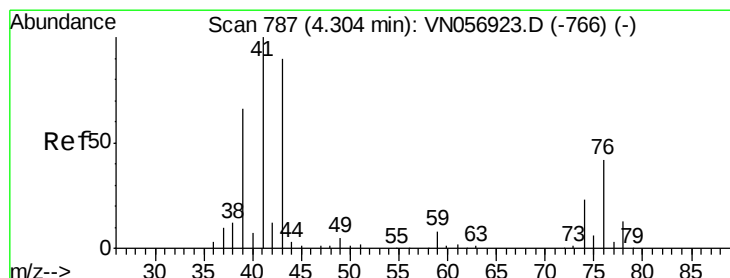
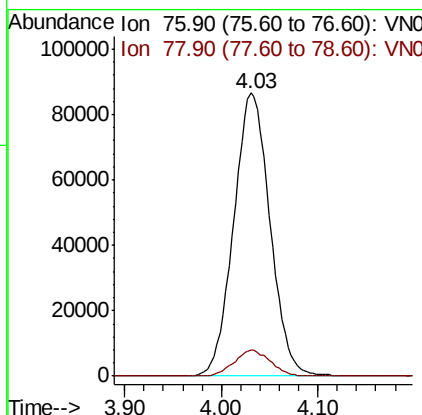
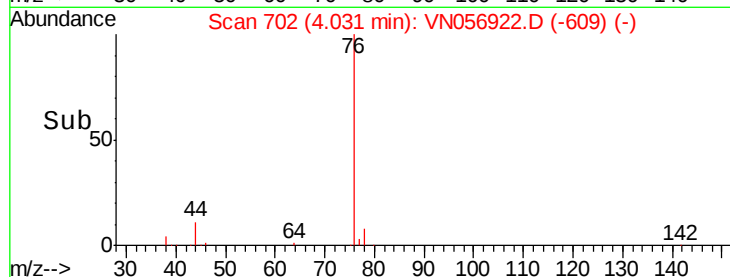
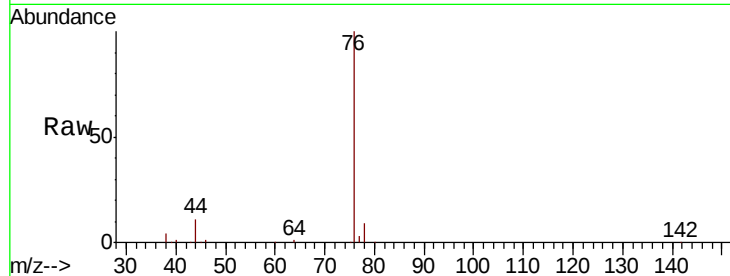




#17
Carbon Disulfide
Concen: 18.211 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

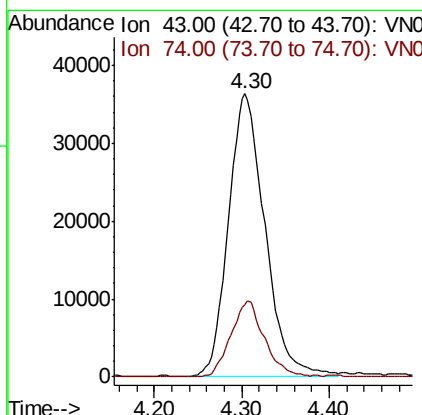
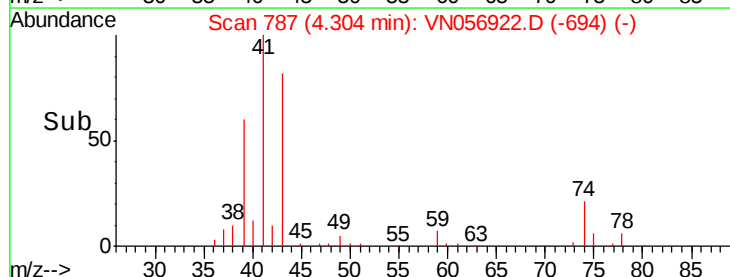
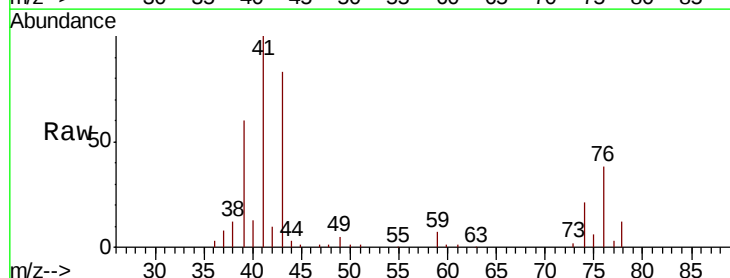
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

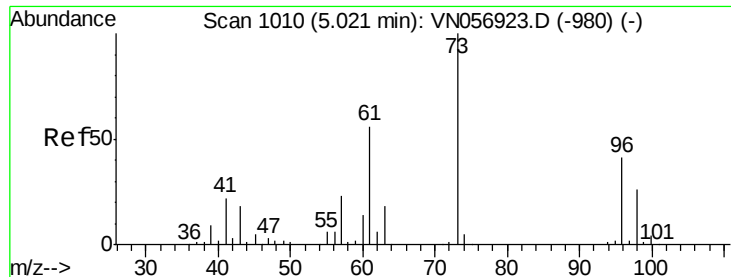
Tot Ion: 76 Resp: 225732
Ion Ratio Lower Upper
76 100
78 9.2 7.3 10.9



#18
Methyl Acetate
Concen: 14.980 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 43 Resp: 105470
Ion Ratio Lower Upper
43 100
74 24.5 19.4 29.0

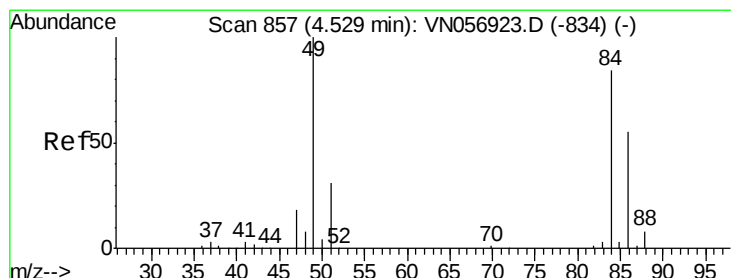
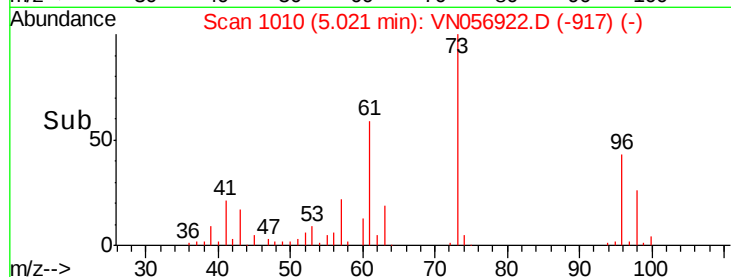
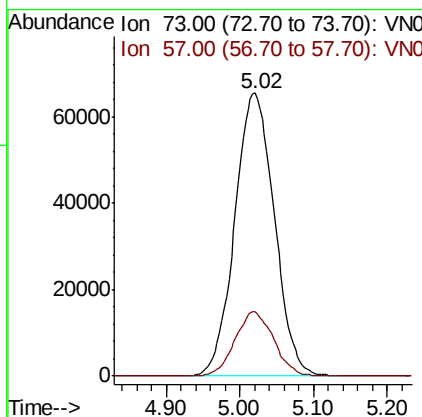
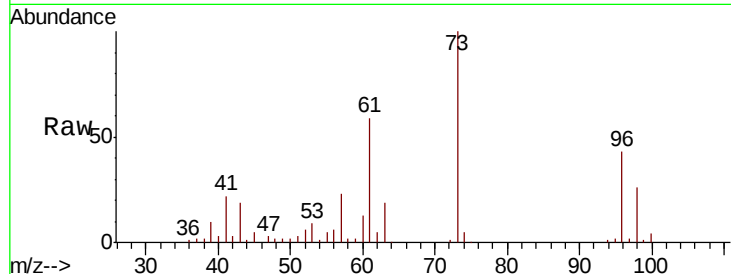




#19
Methvl tert-butvl Ether
Concen: 18.158 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

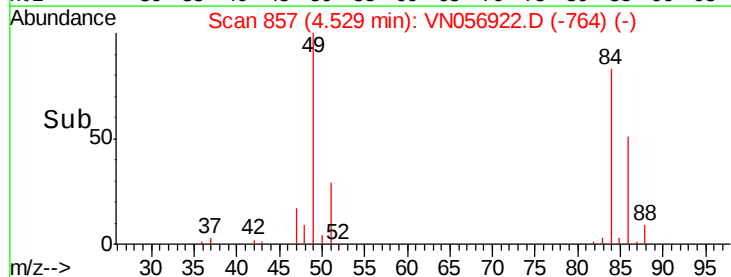
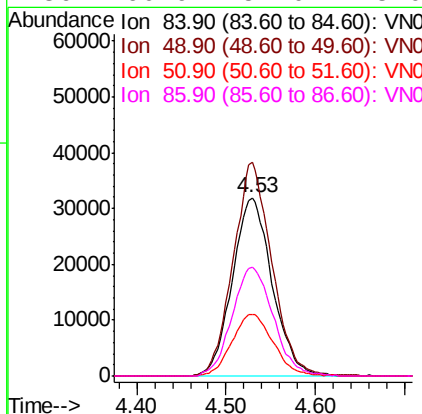
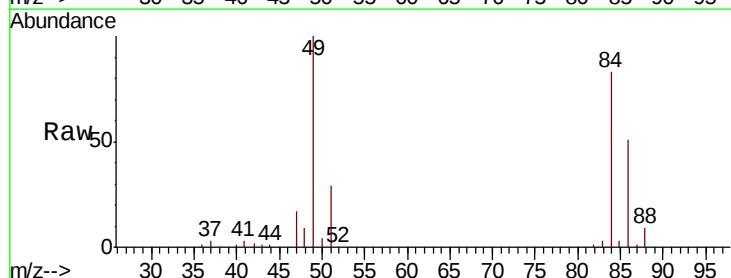
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

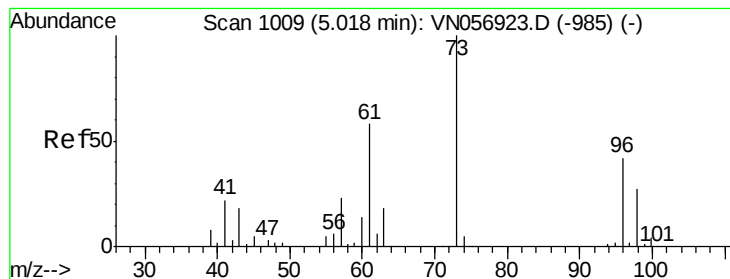
Tot Ion: 73 Resp: 244402
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4



#20
Methylene Chloride
Concen: 18.370 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 84 Resp: 98824
Ion Ratio Lower Upper
84 100
49 119.8 95.0 142.6
51 34.8 29.8 44.8
86 60.9 52.0 78.0





#21

trans-1,2-Dichloroethene

Concen: 18.895 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

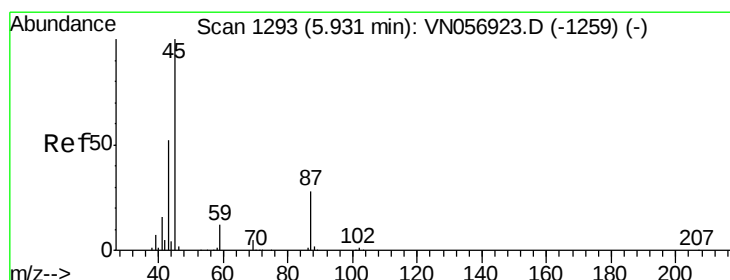
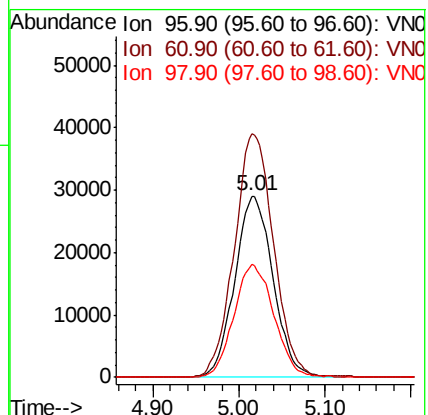
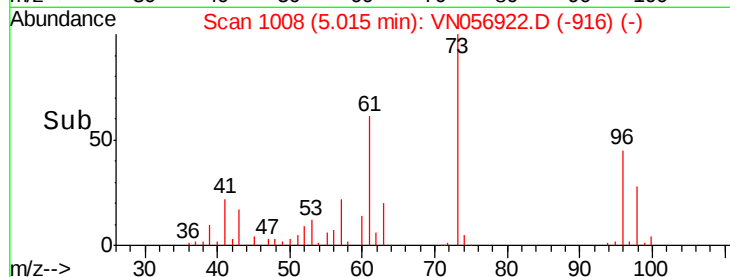
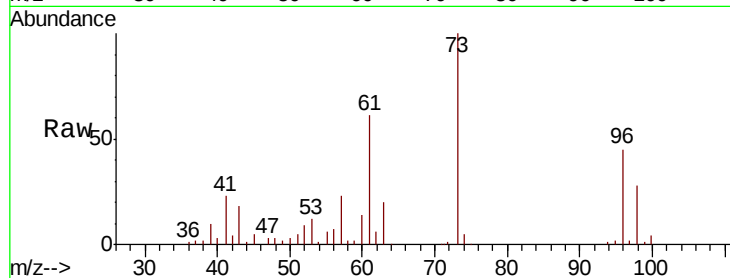
Tot Ion: 96 Resp: 90122

Ion Ratio Lower Upper

96 100

61 134.4 109.9 164.9

98 62.1 51.0 76.4



#22

Diisopropyl ether

Concen: 18.856 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion: 45 Resp: 285380

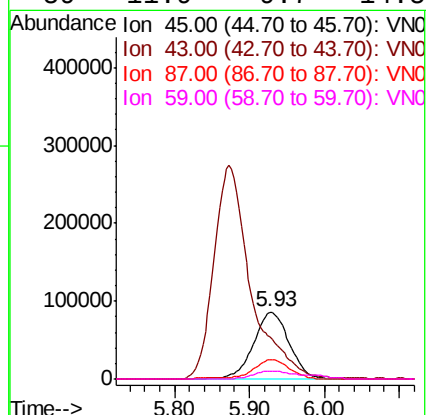
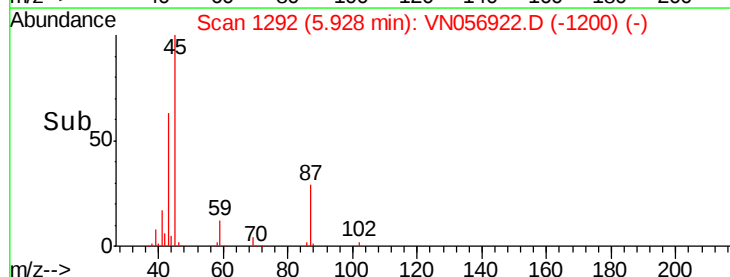
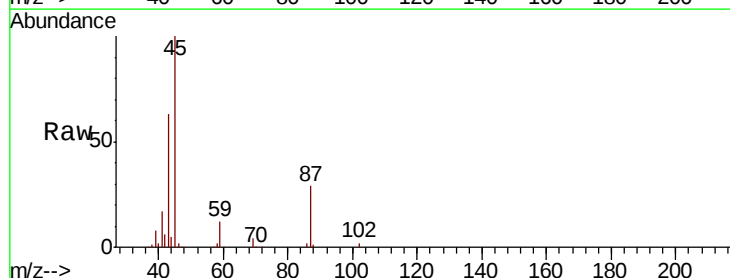
Ion Ratio Lower Upper

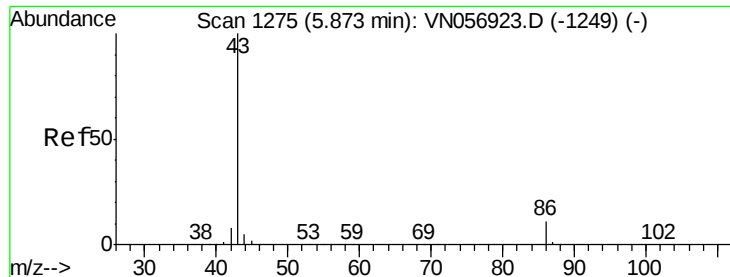
45 100

43 60.7 44.7 67.1

87 28.8 23.1 34.7

59 11.9 9.7 14.5

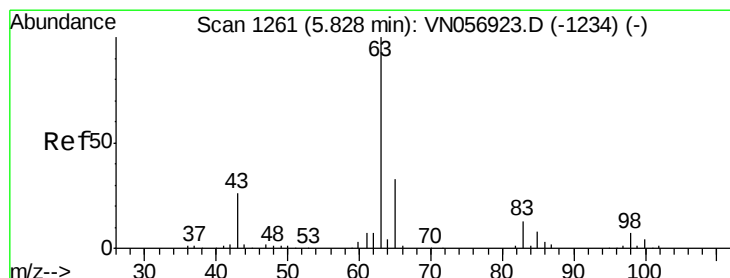
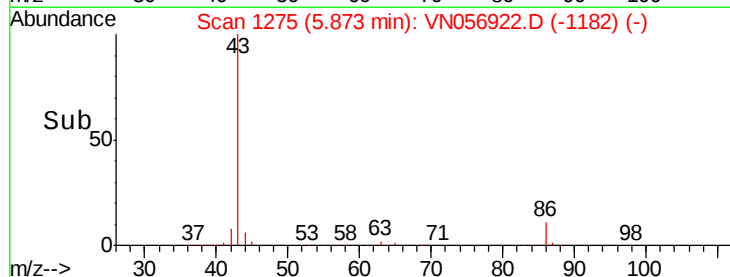
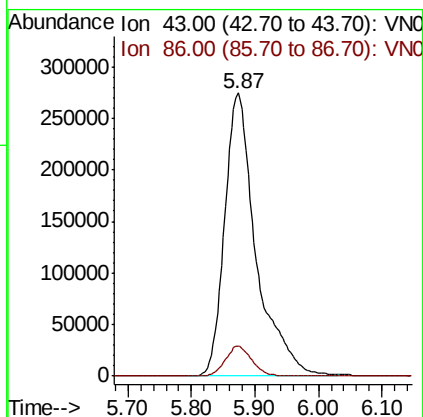
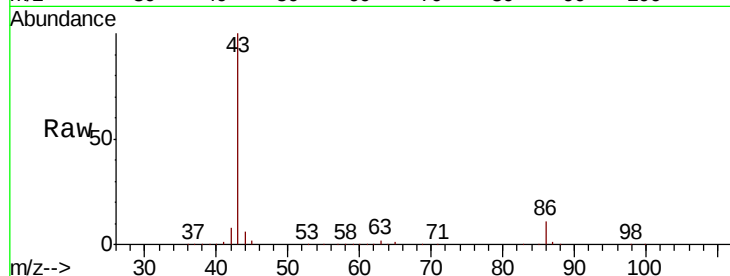




#23
 Vinyl Acetate
 Concen: 86.817 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

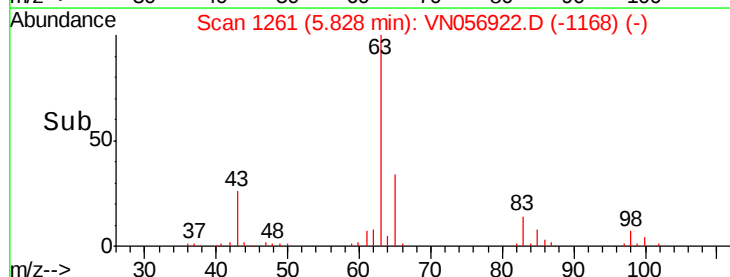
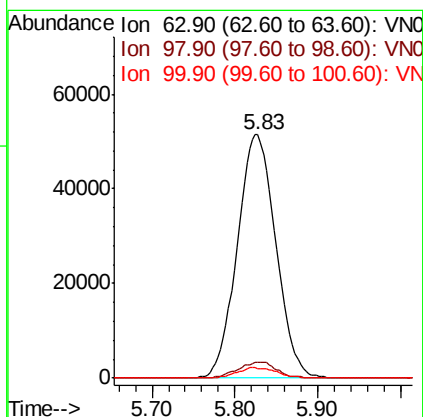
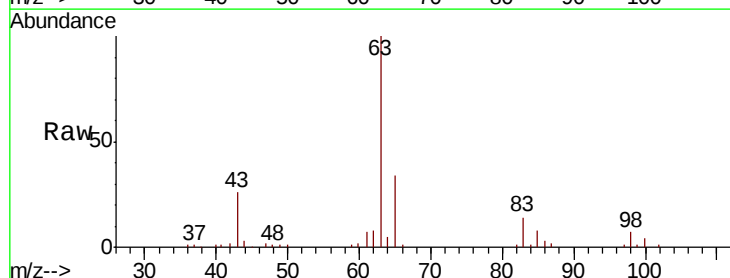
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

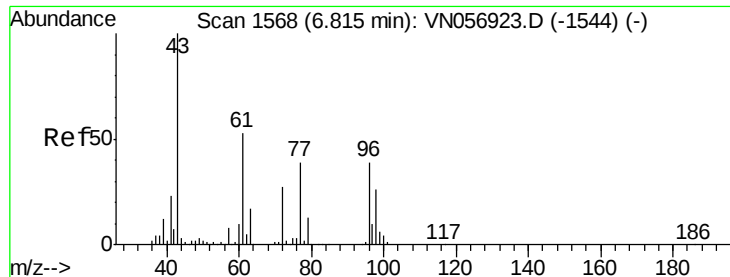
Tot Ion: 43 Resp: 943405
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 18.918 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion: 63 Resp: 166175
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.4 10.1
 100 4.1 2.1 6.3





#25

2-Butanone

Concen: 87.344 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

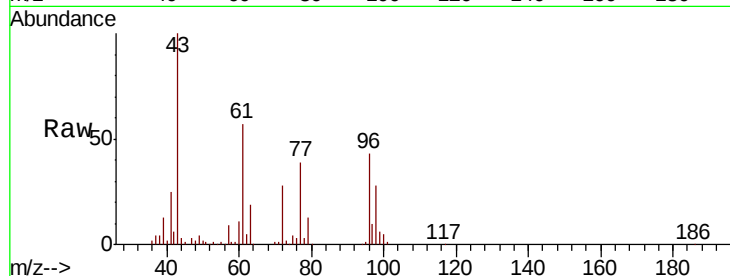
VSTDIC020

Tot Ion: 43 Resp: 231764

Ion Ratio Lower Upper

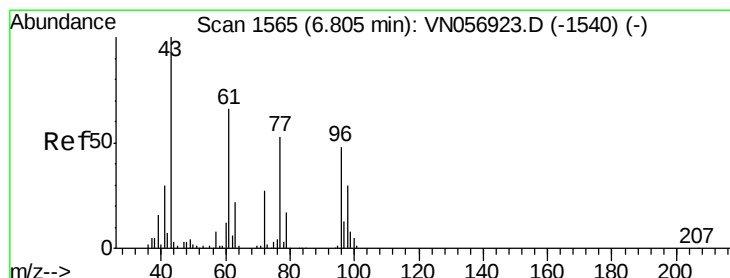
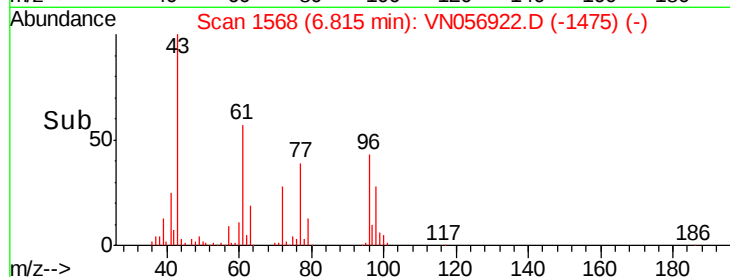
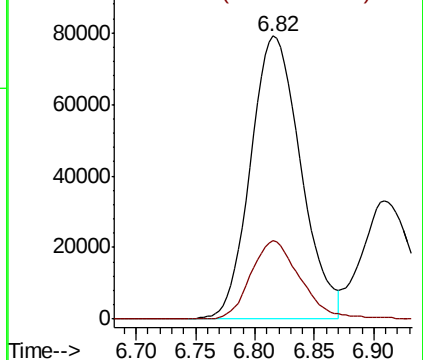
43 100

72 27.8 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: 18.480 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN056922.D

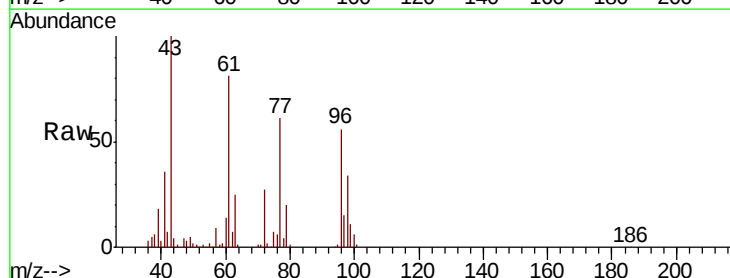
Acq: 25 Jul 2019 15:02

Tgt Ion: 77 Resp: 115266

Ion Ratio Lower Upper

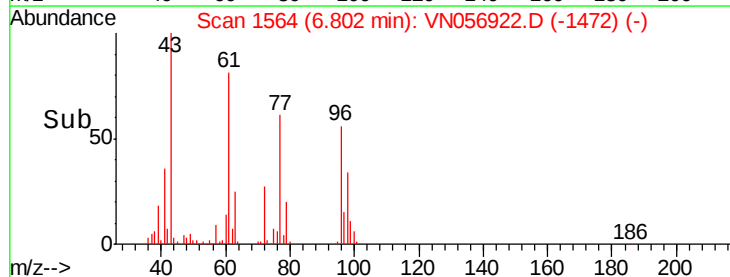
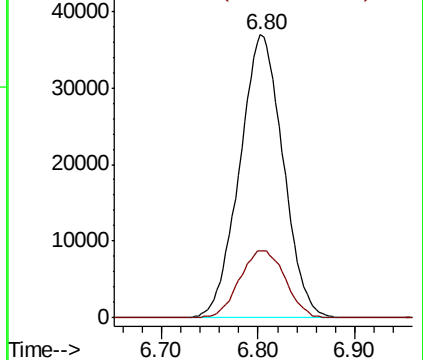
77 100

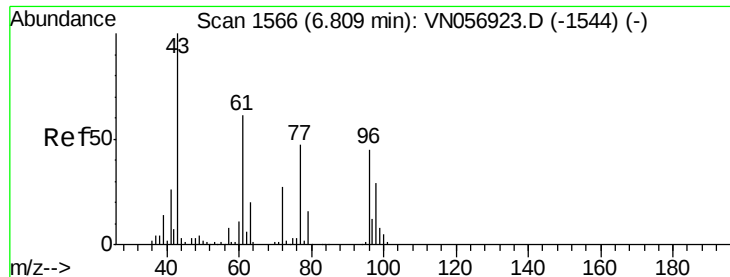
97 24.8 12.3 36.8



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

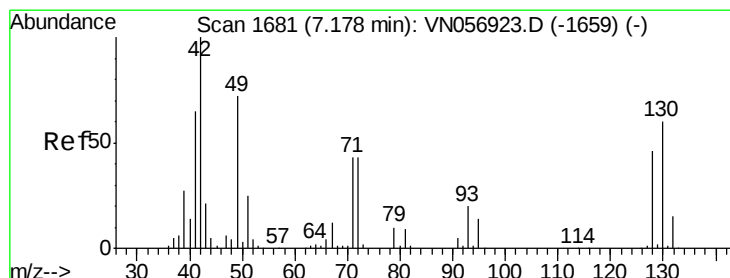
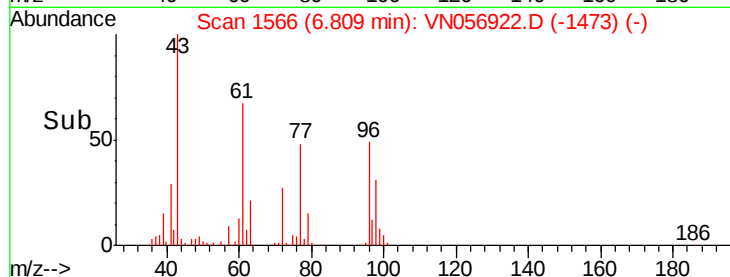
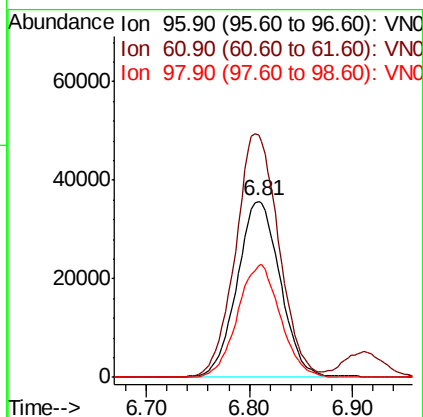
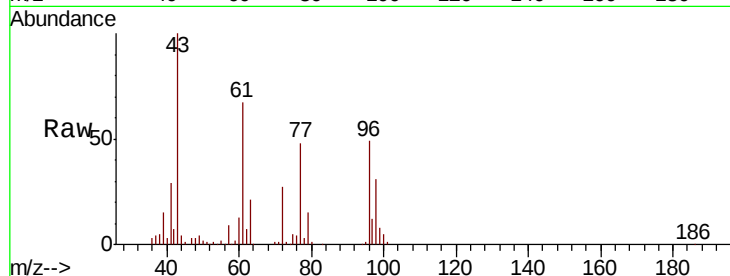




#27
 cis-1,2-Dichloroethene
 Concen: 18.898 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

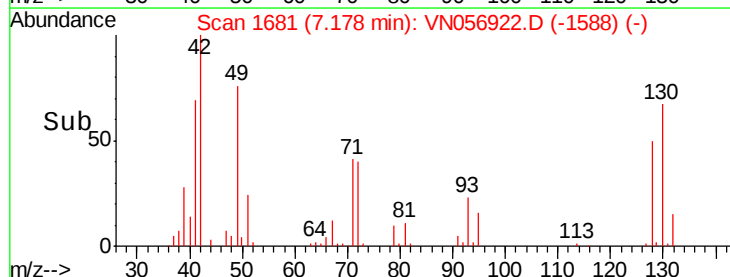
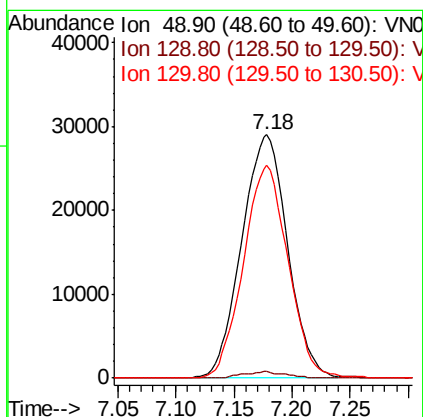
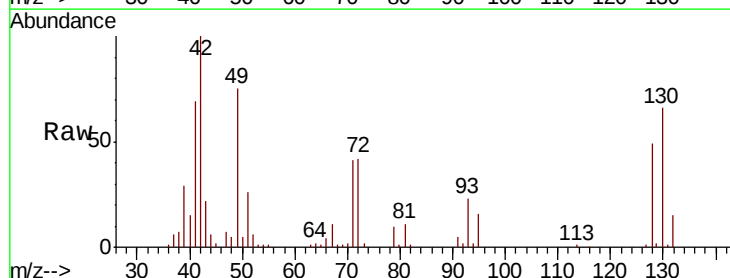
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

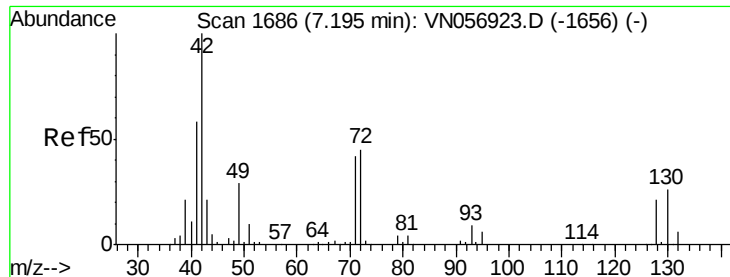
Tot Ion: 96 Resp: 103618
 Ion Ratio Lower Upper
 96 100
 61 139.3 0.0 278.8
 98 63.6 0.0 130.0



#28
 Bromochloromethane
 Concen: 19.966 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion: 49 Resp: 79788
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 4.4
 130 85.5 67.3 100.9

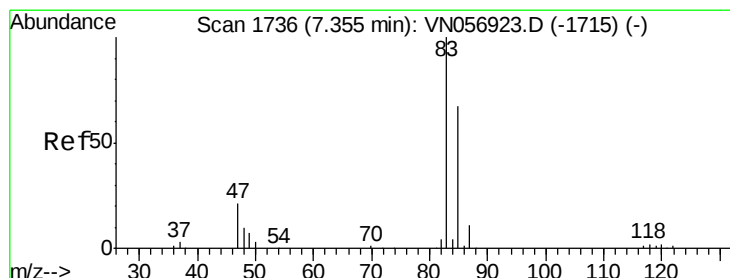
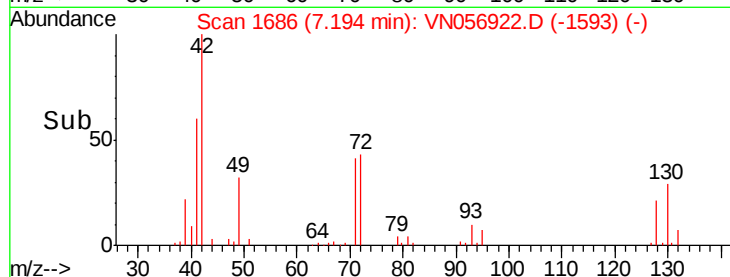
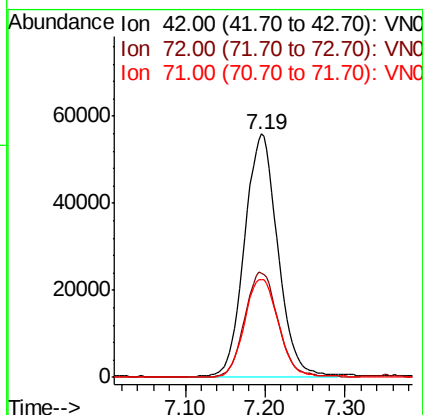
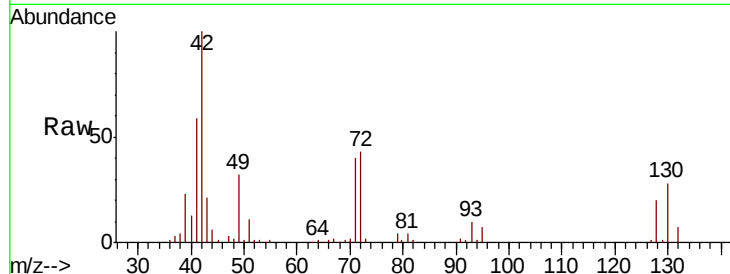




#29
Tetrahydrofuran
Concen: 88.241 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

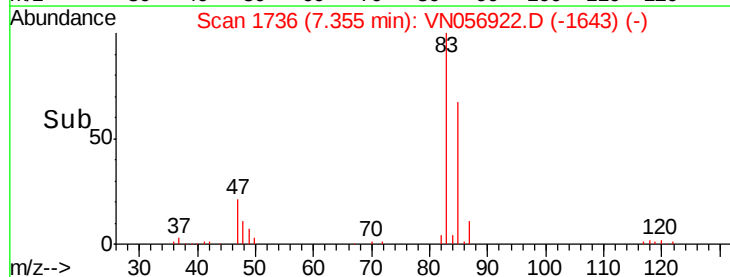
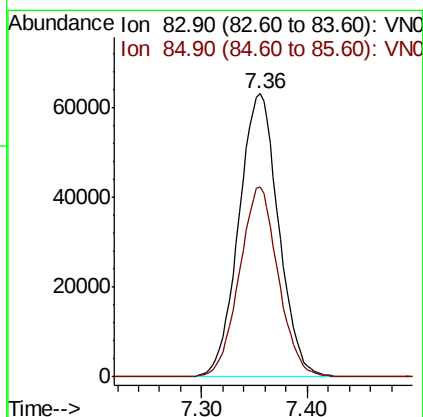
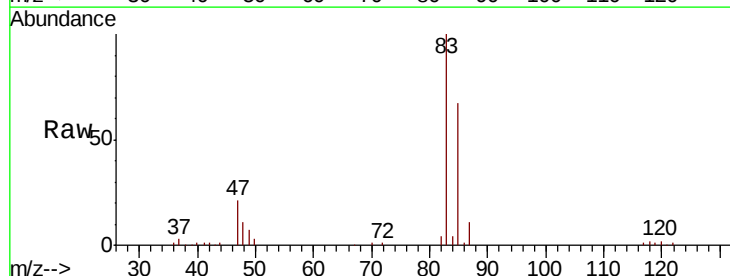
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

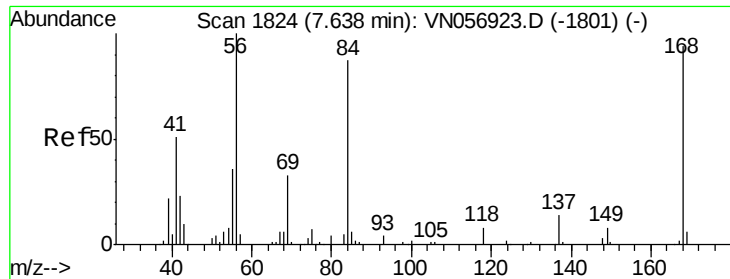
Tot Ion: 42 Resp: 159316
Ion Ratio Lower Upper
42 100
72 43.3 35.5 53.3
71 41.0 33.0 49.6



#30
Chloroform
Concen: 18.767 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 83 Resp: 165611
Ion Ratio Lower Upper
83 100
85 67.2 53.5 80.3

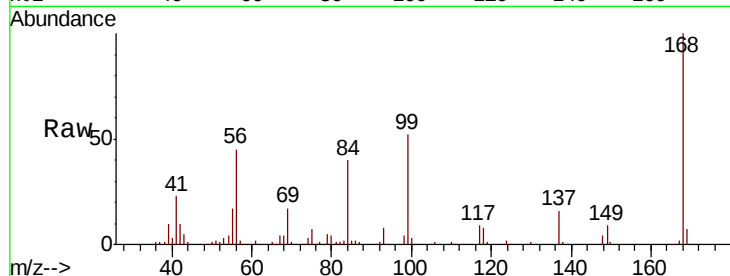




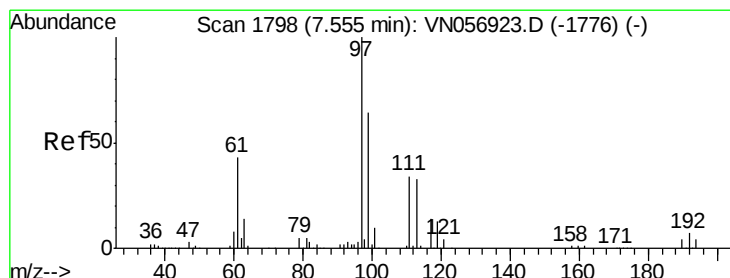
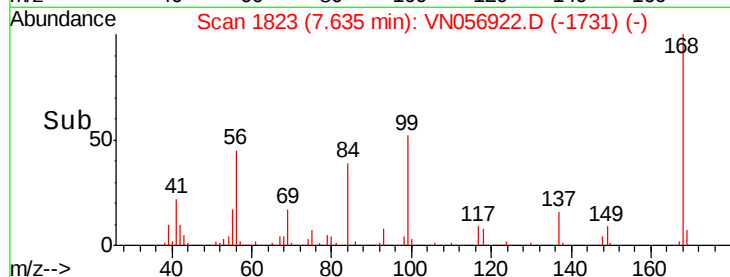
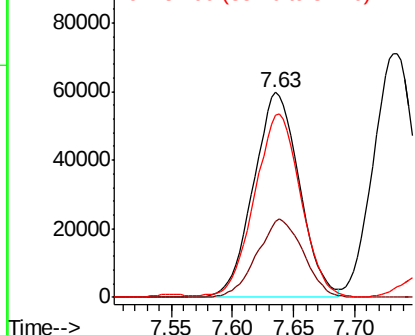
#31
Cyclohexane
Concen: 18.377 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 156108
Ion Ratio Lower Upper
56 100
69 37.0 26.3 39.5
84 87.7 69.6 104.4

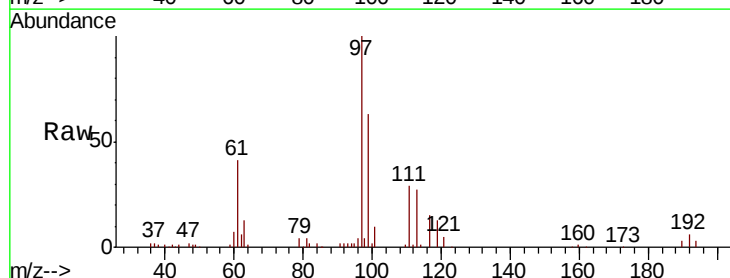


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

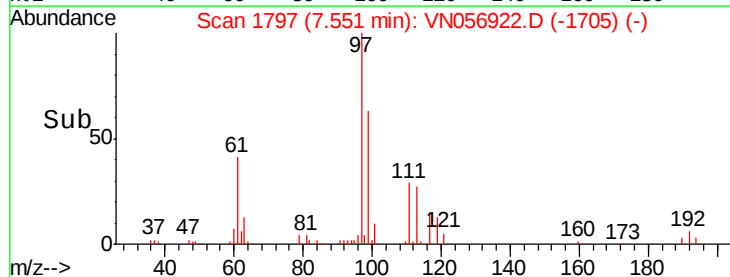
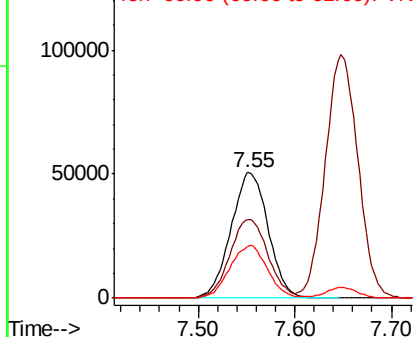


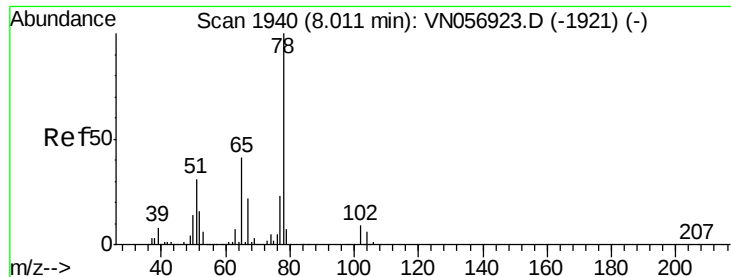
#32
1,1,1-Trichloroethane
Concen: 18.935 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 97 Resp: 135167
Ion Ratio Lower Upper
97 100
99 64.1 51.6 77.4
61 42.6 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

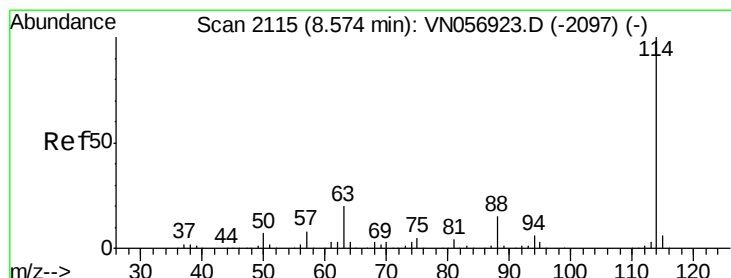
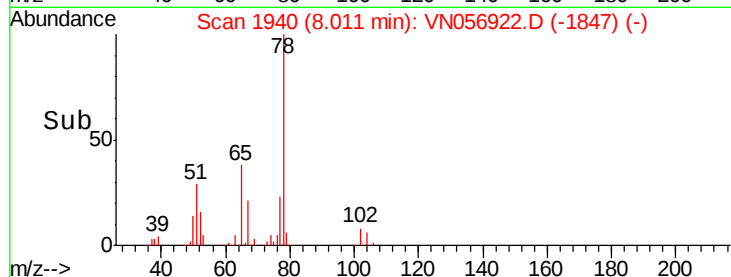
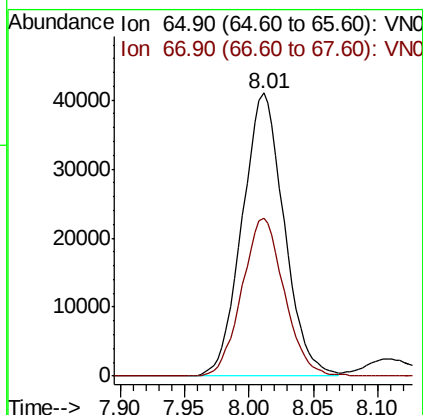
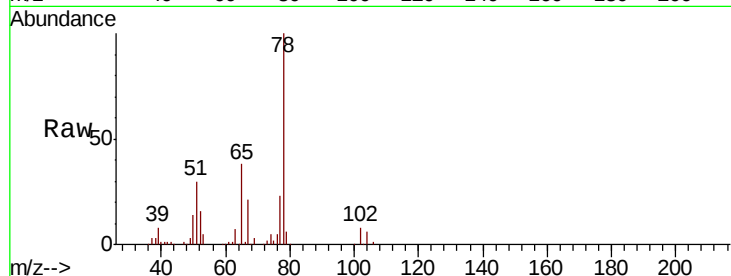




#33
 1,2-Dichloroethane-d4
 Concen: 18.328 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

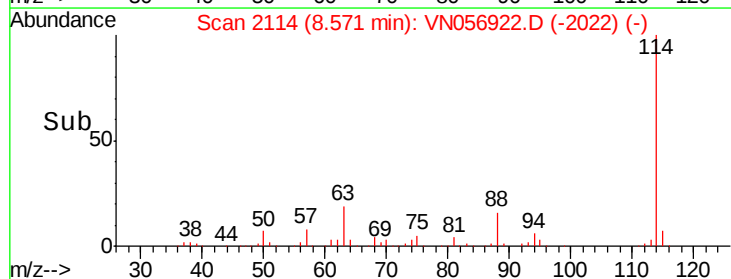
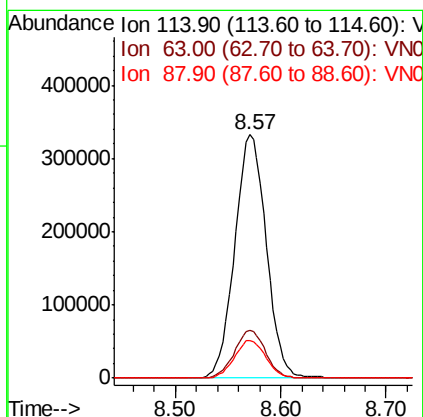
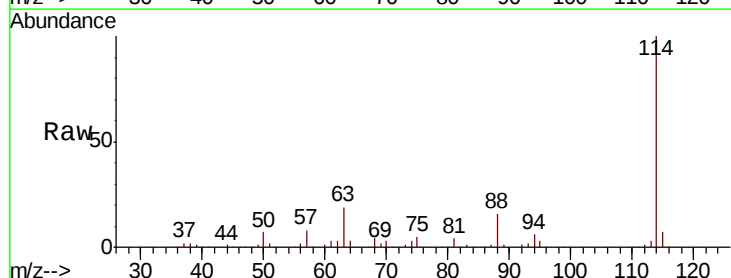
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

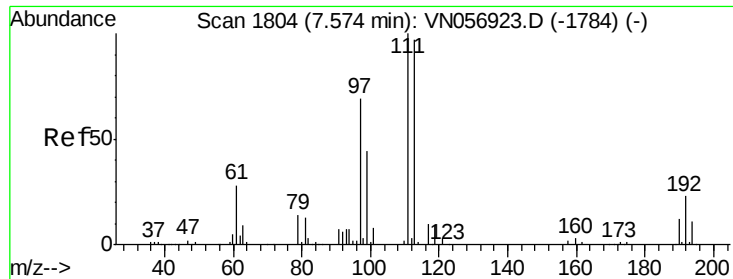
Tot Ion: 65 Resp: 92968
 Ion Ratio Lower Upper
 65 100
 67 56.2 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion: 114 Resp: 689715
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.4
 88 15.5 0.0 30.4

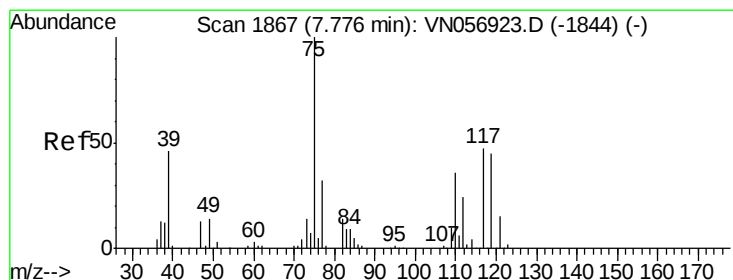
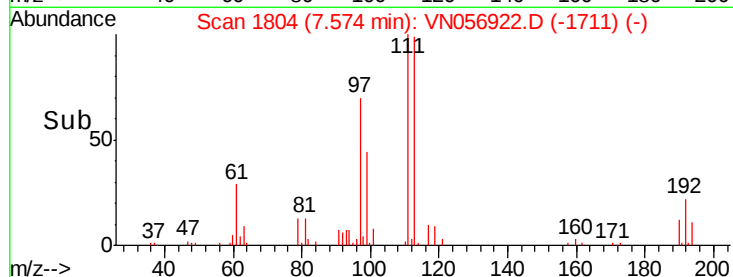
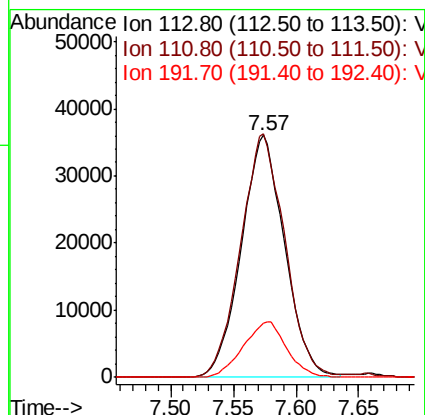
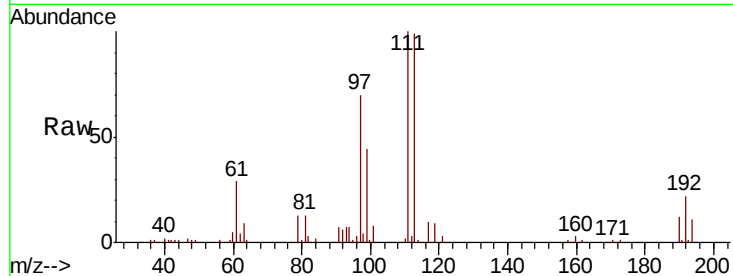




#35
Dibromofluoromethane
Concen: 19.446 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

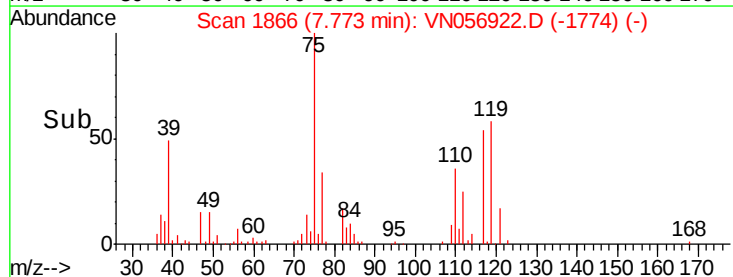
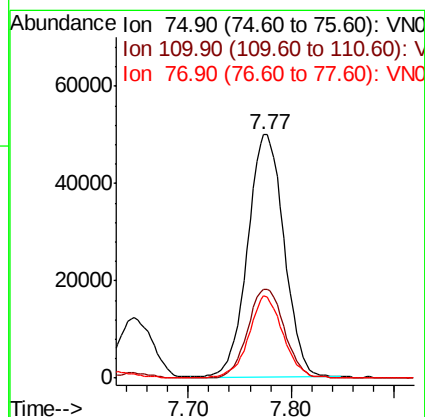
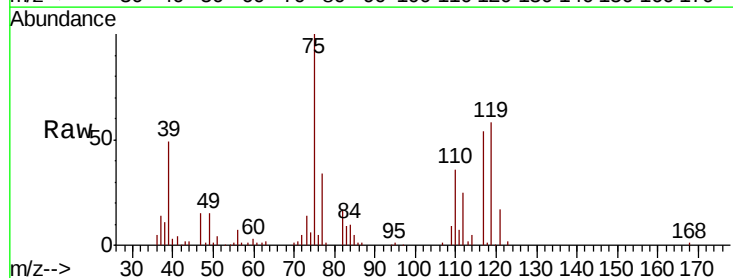
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

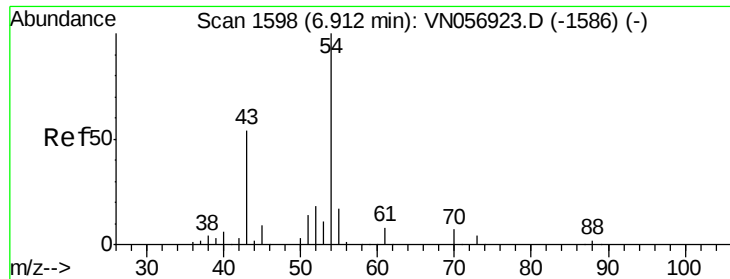
Tot Ion:113 Resp: 86689
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.2
192 22.8 18.3 27.5



#36
1,1-Dichloropropene
Concen: 19.270 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 75 Resp: 122612
Ion Ratio Lower Upper
75 100
110 36.8 18.9 56.9
77 31.9 25.4 38.0

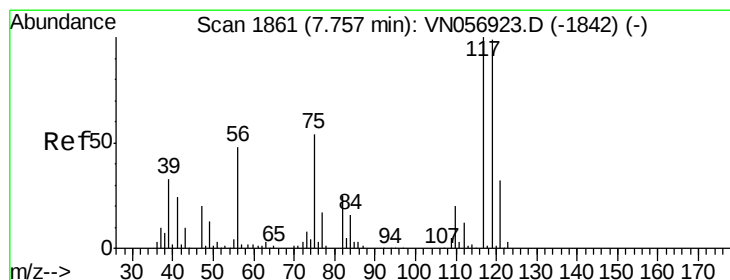
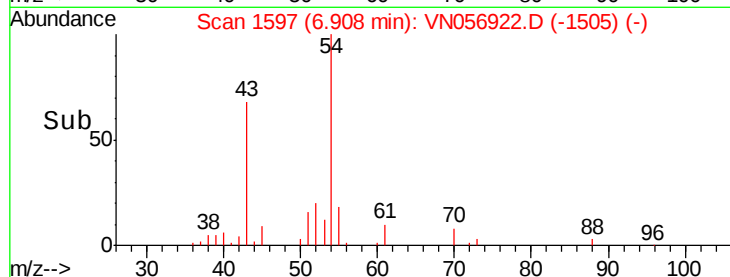
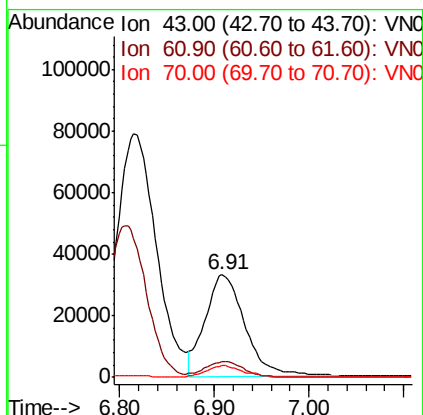
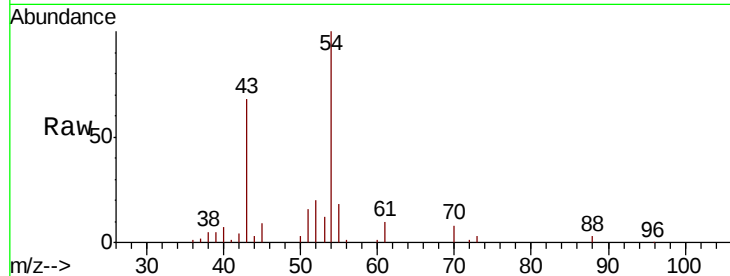




#37
Ethyl Acetate
Concen: 18.818 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

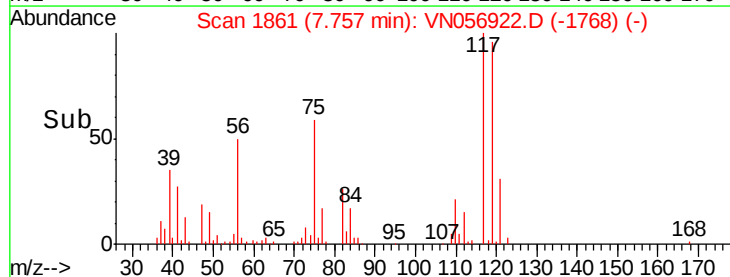
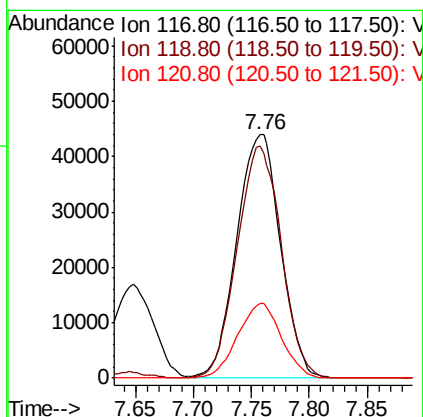
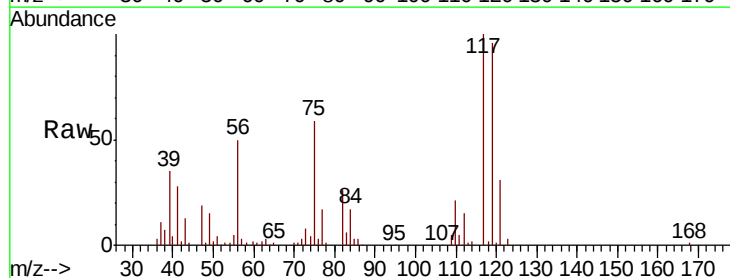
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

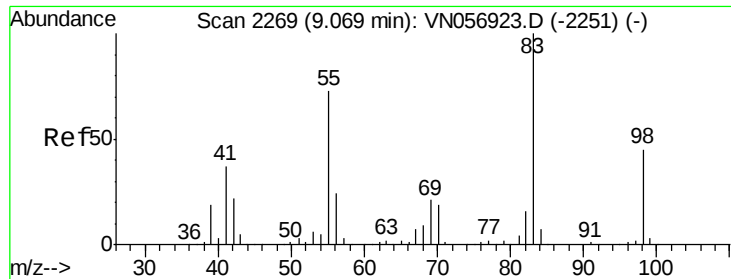
Tot Ion: 43 Resp: 95856
Ion Ratio Lower Upper
43 100
61 15.5 11.9 17.9
70 10.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 19.046 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 117 Resp: 115725
Ion Ratio Lower Upper
117 100
119 95.5 79.0 118.6
121 30.6 25.1 37.7

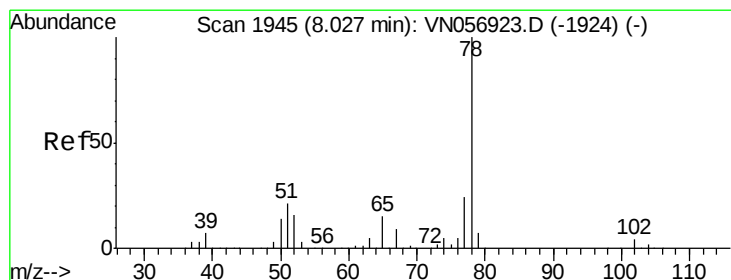
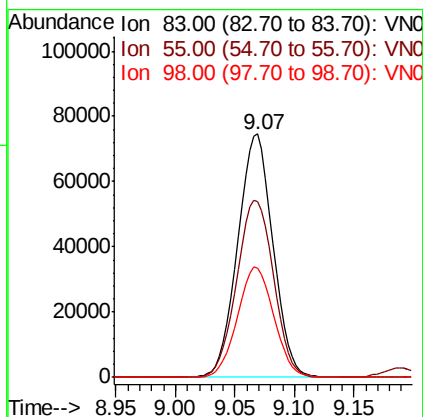
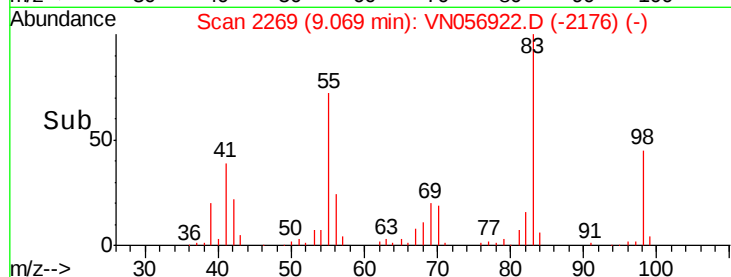
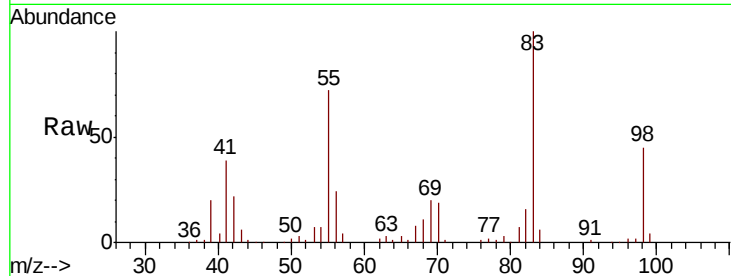




#39
Methvlcvclohexane
Concen: 19.184 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

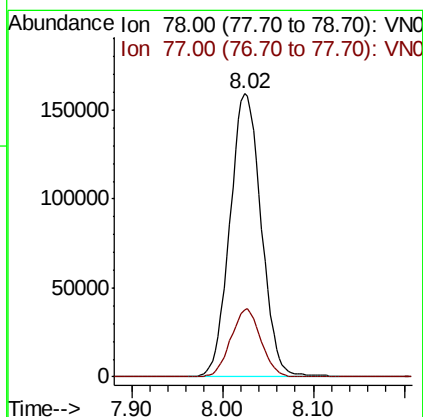
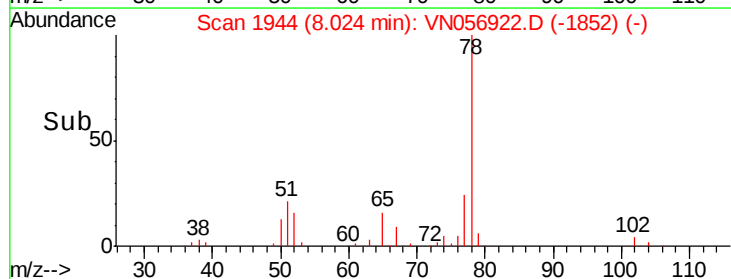
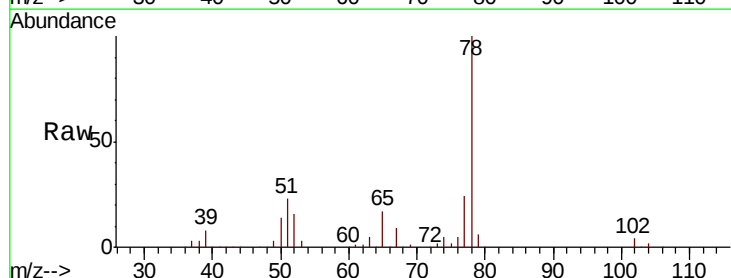
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

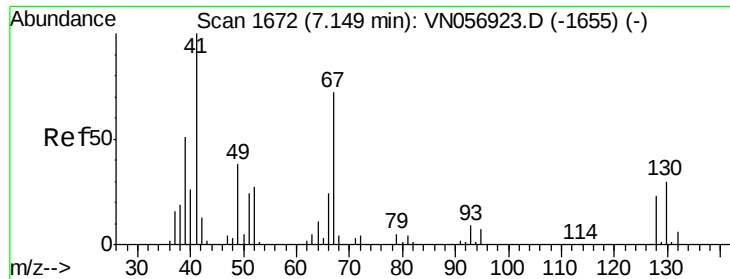
Tot Ion: 83 Resp: 153373
Ion Ratio Lower Upper
83 100
55 72.3 58.8 88.2
98 45.0 35.8 53.6



#40
Benzene
Concen: 19.239 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 78 Resp: 381177
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3





#41

Methacrylonitrile

Concen: 14.871 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 36575

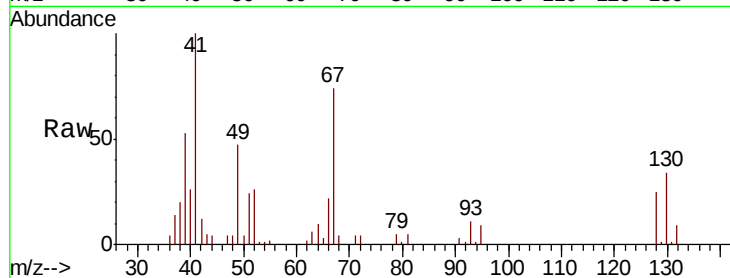
Ion Ratio Lower Upper

41 100

39 75.6 0.0 0.0#

67 114.0 0.0 0.0#

52 45.9 0.0 0.0#

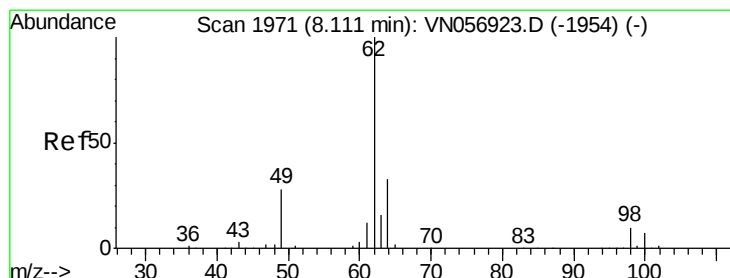
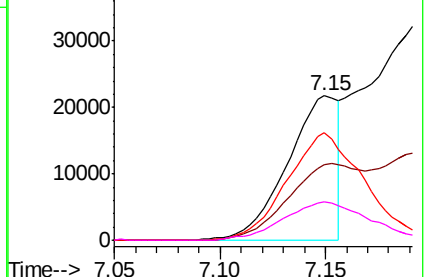
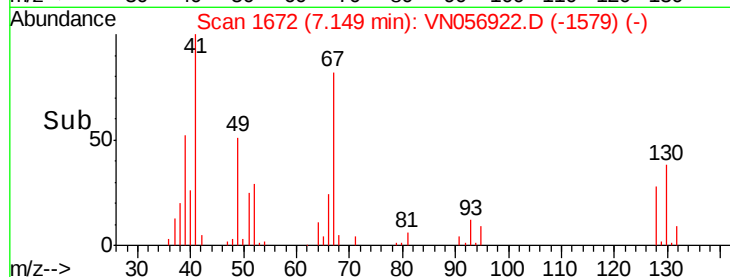


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42

1,2-Dichloroethane

Concen: 19.327 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. -0.00 min

Lab File: VN056922.D

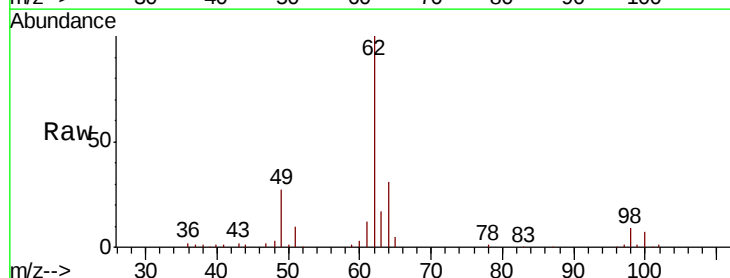
Acq: 25 Jul 2019 15:02

Tgt Ion: 62 Resp: 119634

Ion Ratio Lower Upper

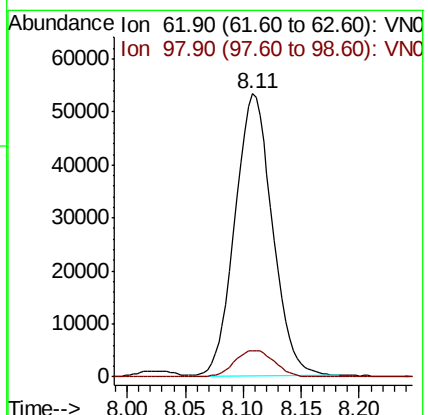
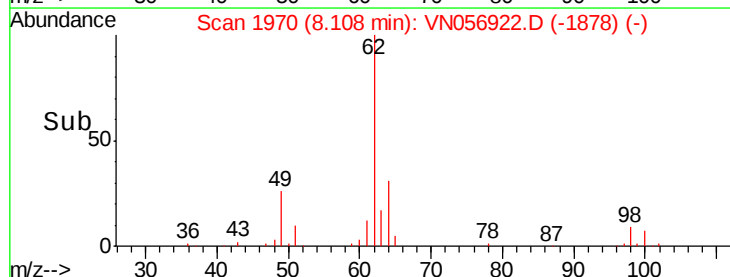
62 100

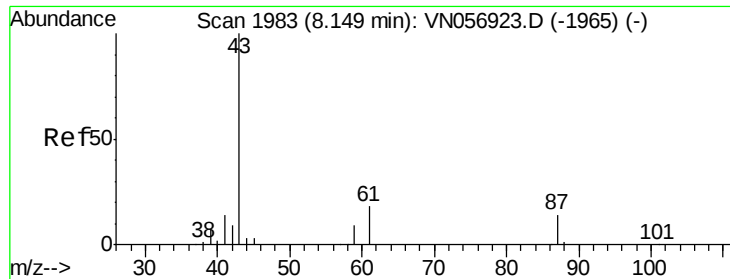
98 9.9 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 17.637 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

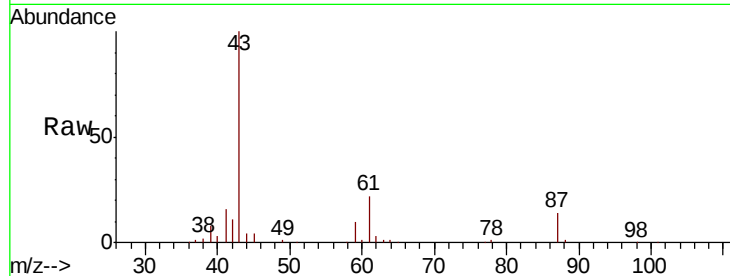
MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 155010

Ion	Ratio	Lower	Upper
43	100		
61	22.6	23.8	35.6#
87	14.1	11.8	17.6

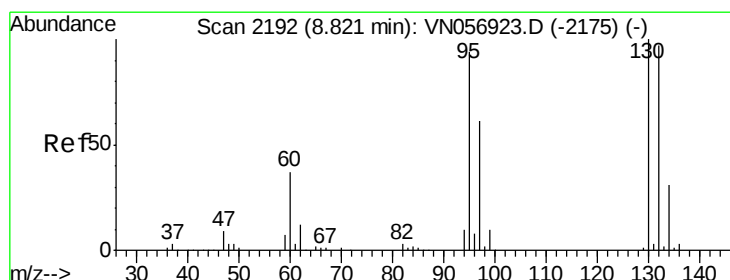
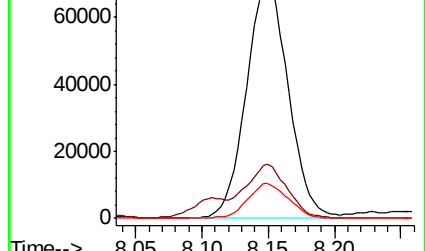
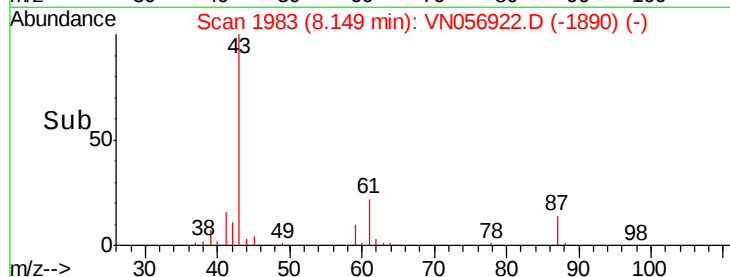


Abundance Ion 43.00 (42.70 to 43.70): VN056922.D (-1965) (-)

Ion 61.00 (60.70 to 61.70): VN056922.D (-1965) (-)

Ion 87.00 (86.70 to 87.70): VN056922.D (-1965) (-)

Time-->



#44

Trichloroethene

Concen: 19.519 ug/l

RT: 8.82 min Scan# 2193

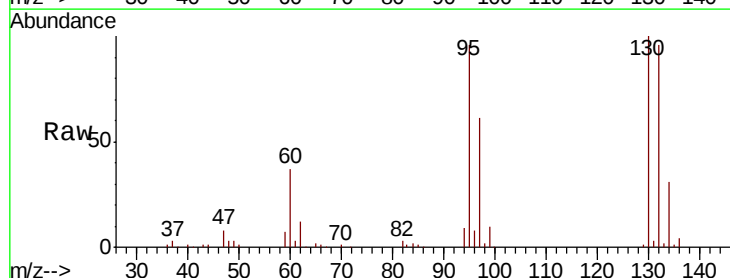
Delta R.T. 0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion: 130 Resp: 104166

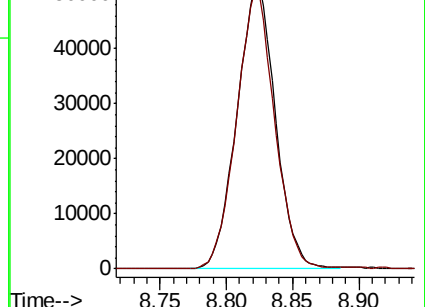
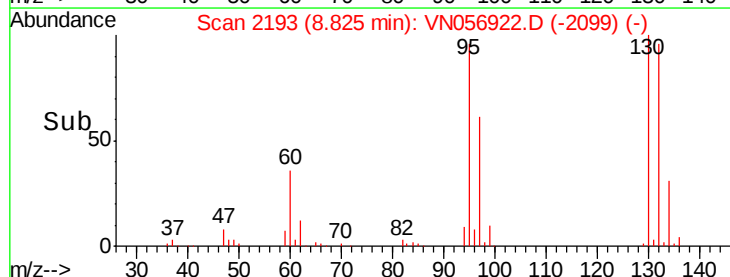
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	187.6

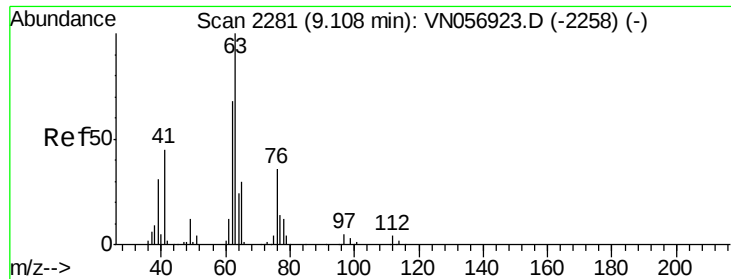


Abundance Ion 129.80 (129.50 to 130.50): VN056922.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056922.D (-2175) (-)

Time-->

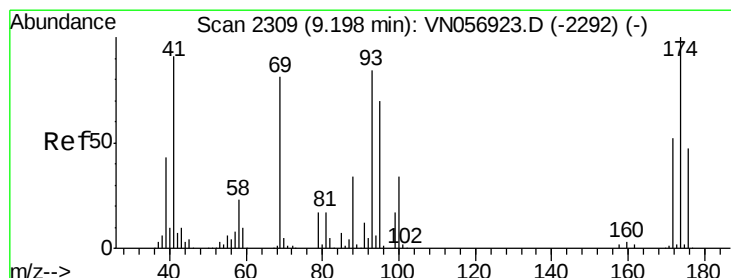
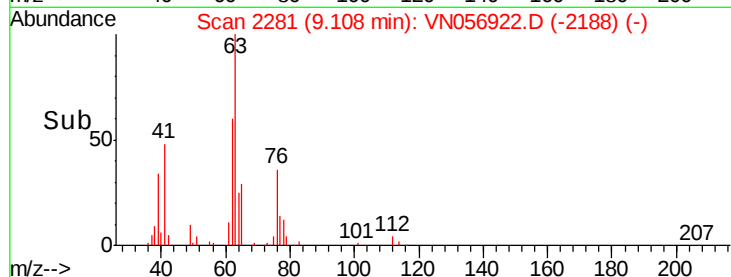
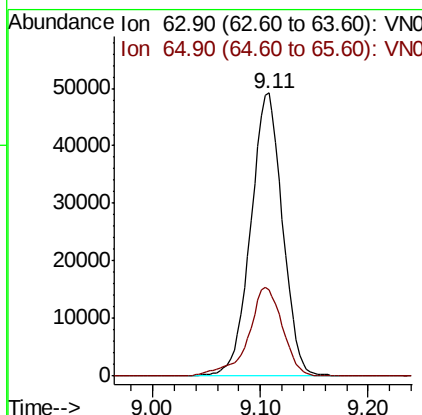
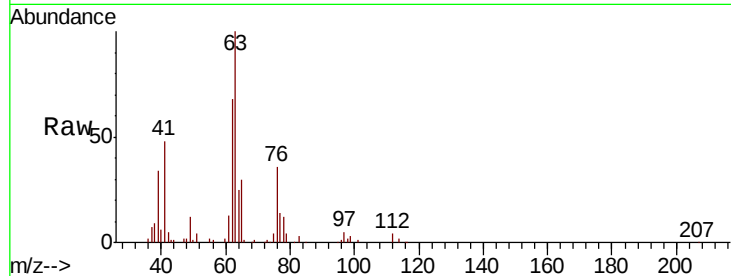




#45
 1,2-Dichloropropane
 Concen: 18.789 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

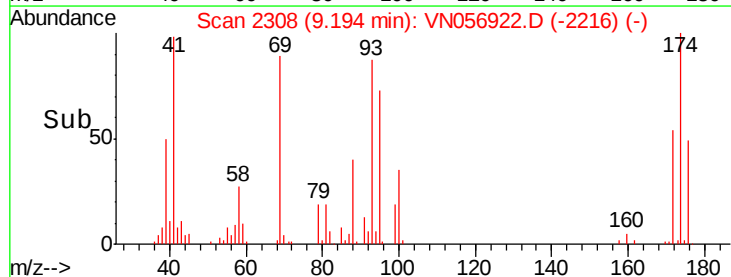
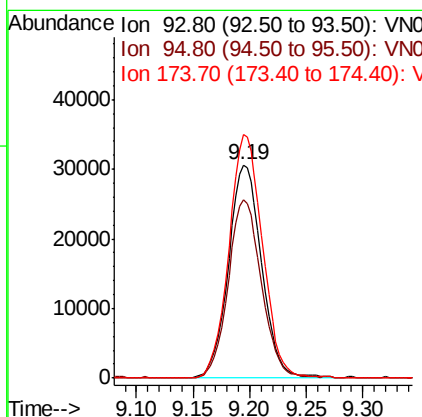
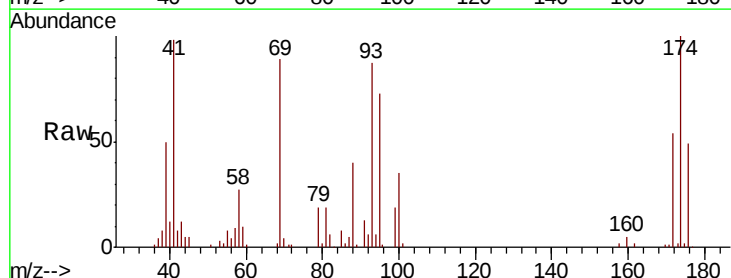
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

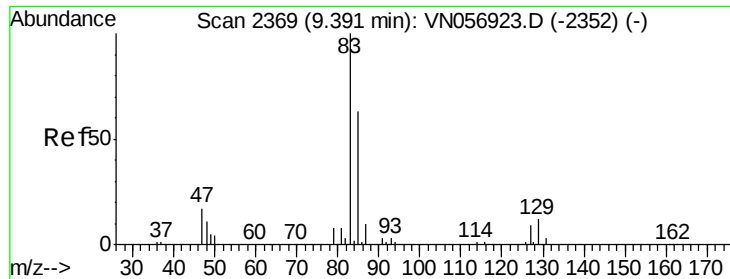
Tot Ion: 63 Resp: 100533
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.5 36.7



#46
 Dibromomethane
 Concen: 18.922 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion: 93 Resp: 62488
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 115.0 92.9 139.3





#47

Bromodichloromethane

Concen: 19.084 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

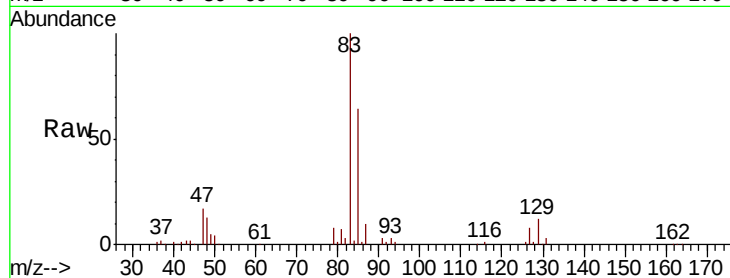
Tot Ion: 83 Resp: 118800

Ion Ratio Lower Upper

83 100

85 63.8 50.5 75.7

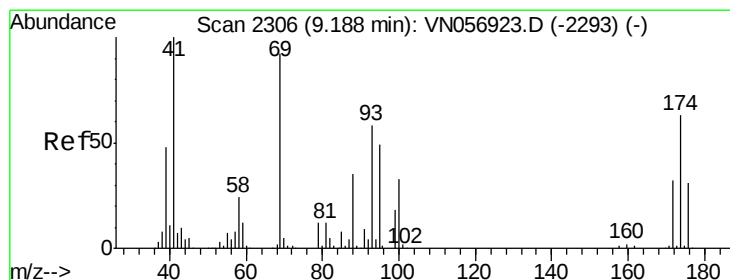
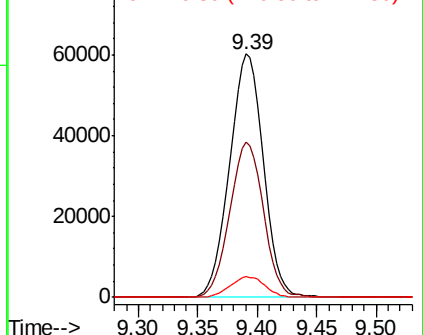
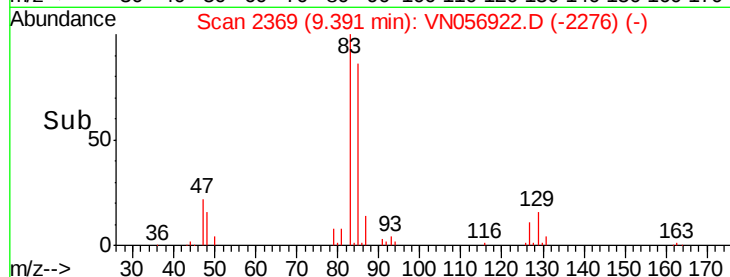
127 8.4 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN056922.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN056922.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN056922.D (-2276) (-)



#48

Methyl methacrylate

Concen: 16.969 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

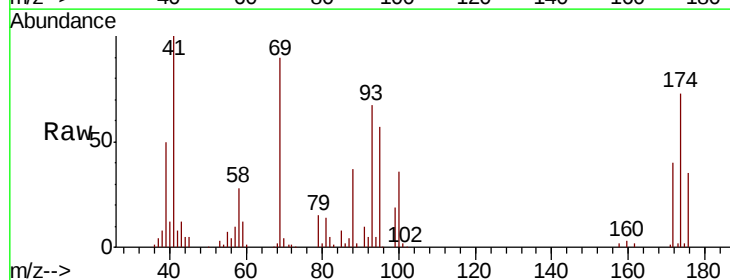
Tgt Ion: 41 Resp: 74399

Ion Ratio Lower Upper

41 100

69 92.5 73.4 110.0

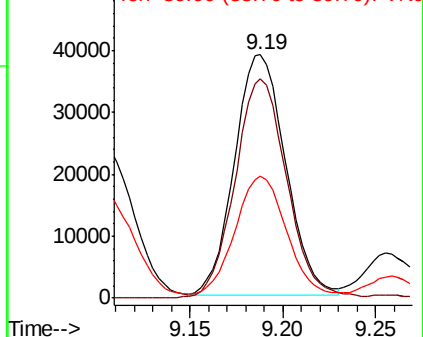
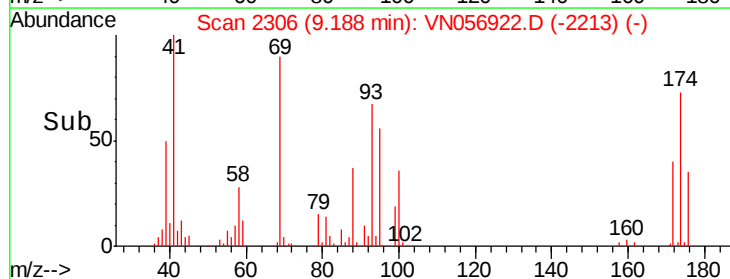
39 51.6 40.1 60.1

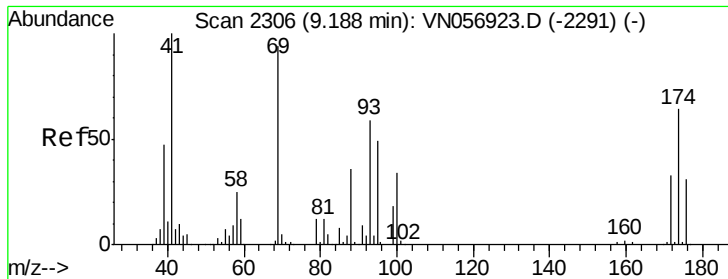


Abundance Ion 41.00 (40.70 to 41.70): VN056922.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN056922.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN056922.D (-2213) (-)





#49

1,4-Dioxane

Concen: 384.980 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

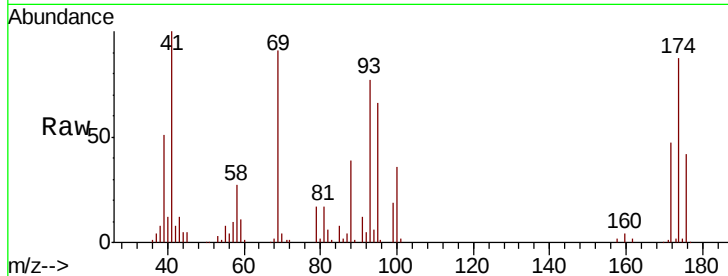
Tot Ion: 88 Resp: 33352

Ion Ratio Lower Upper

88 100

43 27.3 21.1 31.7

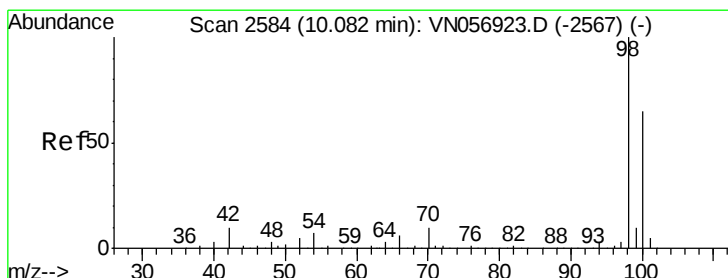
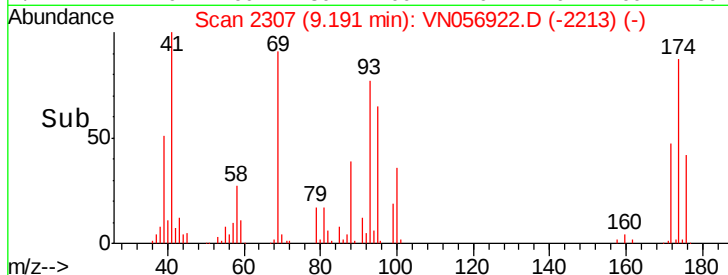
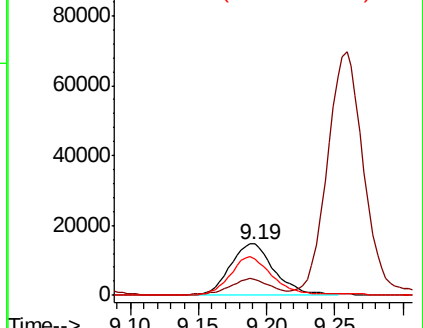
58 71.5 52.5 78.7



Abundance Ion 88.00 (87.70 to 88.70): VN056922.D (-2291) (-)

Ion 43.00 (42.70 to 43.70): VN056922.D (-2291) (-)

Ion 58.00 (57.70 to 58.70): VN056922.D (-2291) (-)



#50

Toluene-d8

Concen: 19.199 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN056922.D

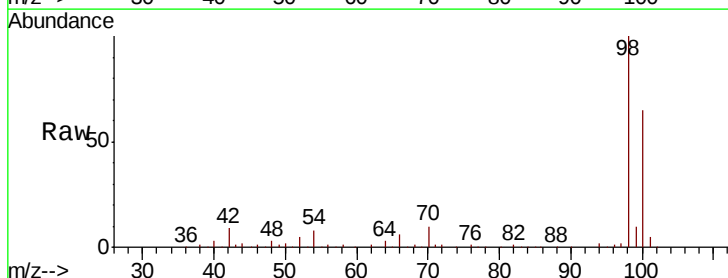
Acq: 25 Jul 2019 15:02

Tgt Ion: 98 Resp: 326142

Ion Ratio Lower Upper

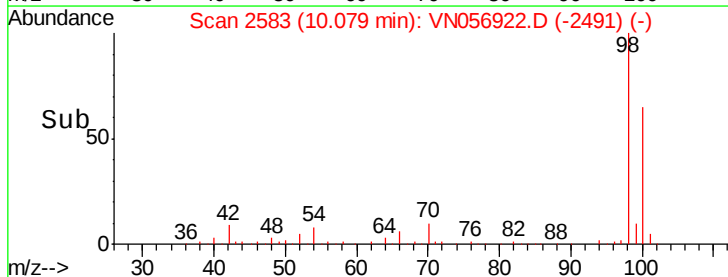
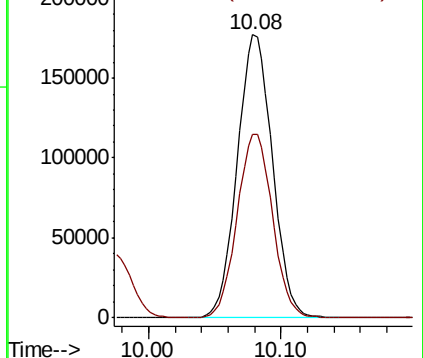
98 100

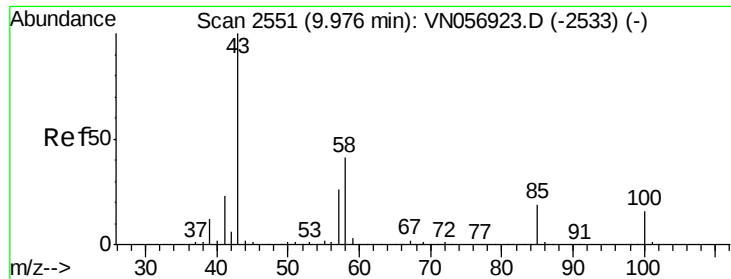
100 64.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN056922.D (-2491) (-)

Ion 100.00 (99.70 to 100.70): VN056922.D (-2491) (-)





#51

4-Methyl-2-Pentanone

Concen: 91.096 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampled :

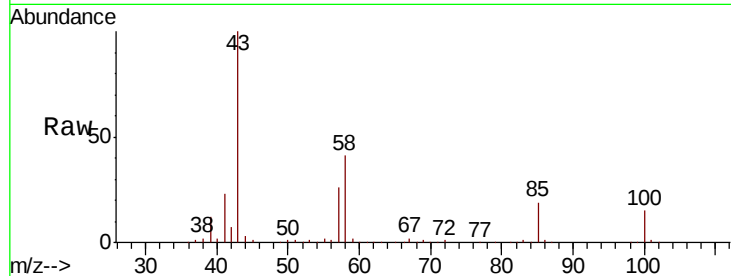
VSTDIC020

Tot Ion: 43 Resp: 476432

Ion Ratio Lower Upper

43 100

58 40.5 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

250000

200000

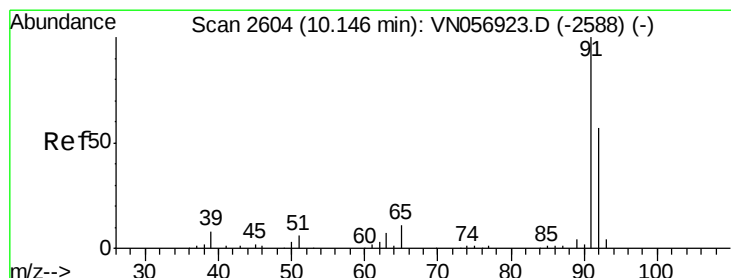
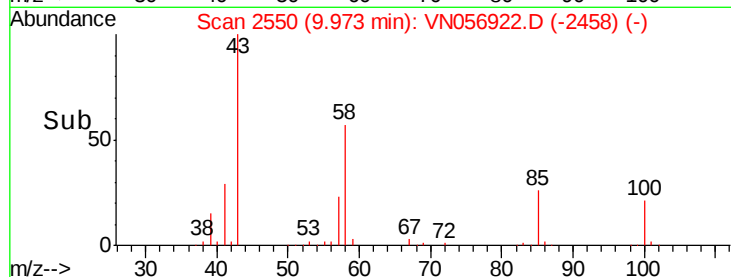
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 19.753 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN056922.D

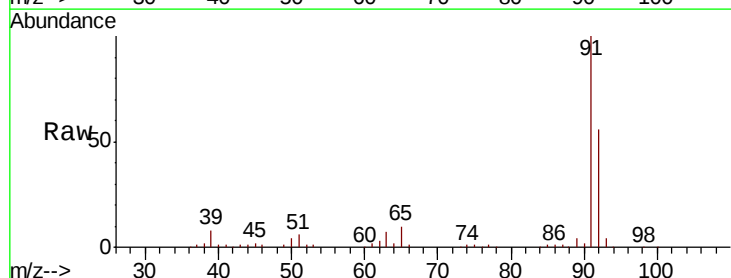
Acq: 25 Jul 2019 15:02

Tgt Ion: 92 Resp: 235852

Ion Ratio Lower Upper

92 100

91 173.0 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

250000

200000

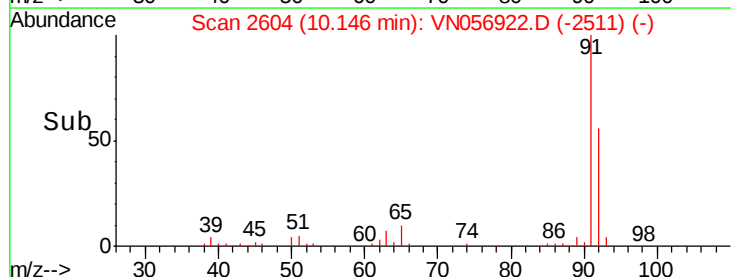
150000

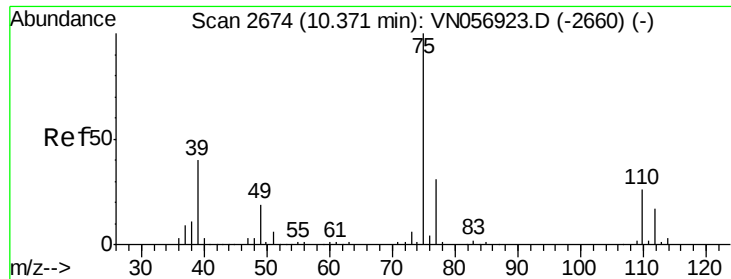
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.786 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

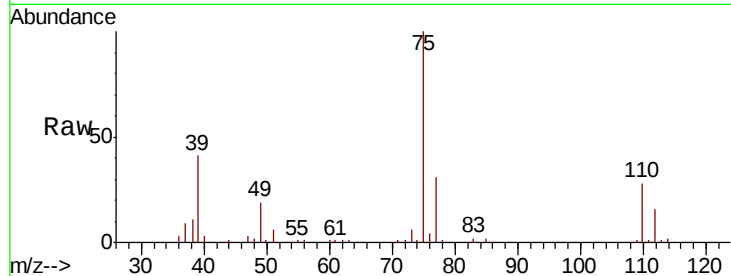
VSTDIC020

Tot Ion: 75 Resp: 119487

Ion Ratio Lower Upper

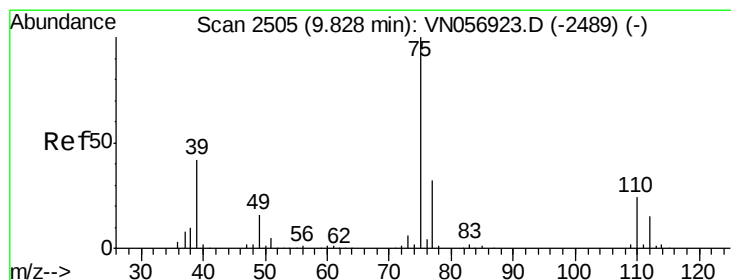
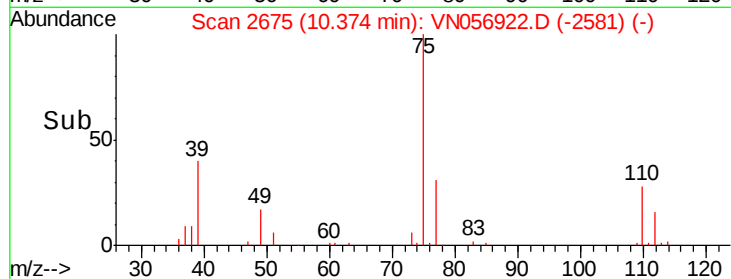
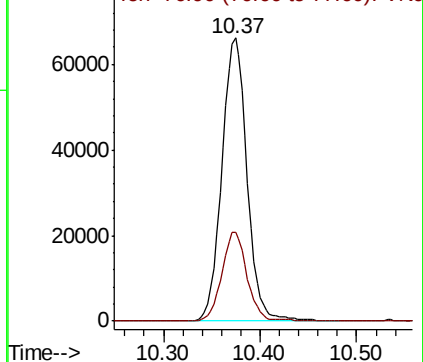
75 100

77 31.5 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 18.753 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

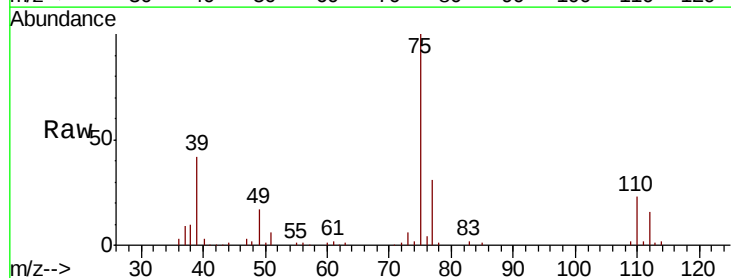
Tgt Ion: 75 Resp: 141018

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.0

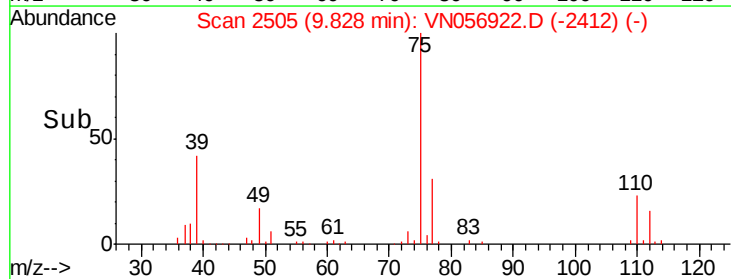
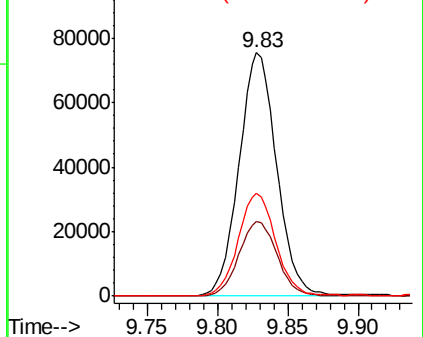
39 42.0 33.4 50.0

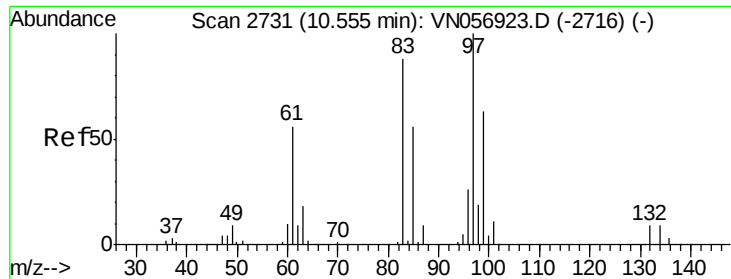


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

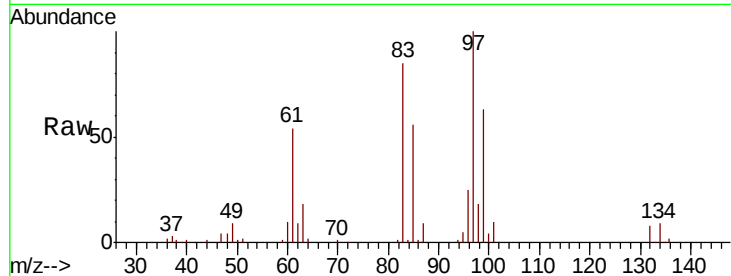




#55
 1,1,2-Trichloroethane
 Concen: 19.081 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	90458
Ion	Ratio	Lower	Upper
97	100		
83	85.1	70.1	105.1
85	55.8	45.1	67.7
99	62.6	50.6	75.8



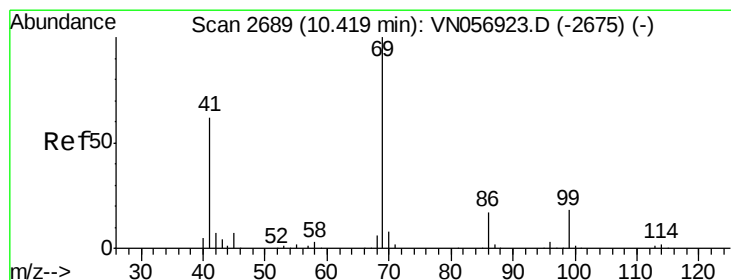
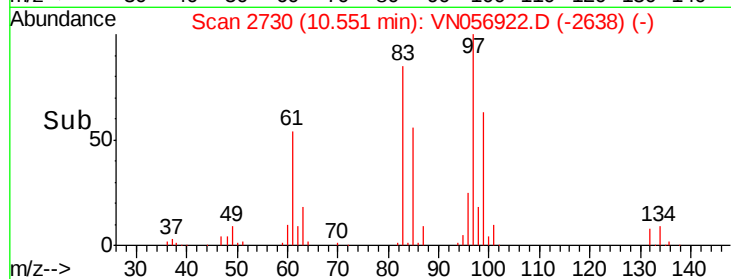
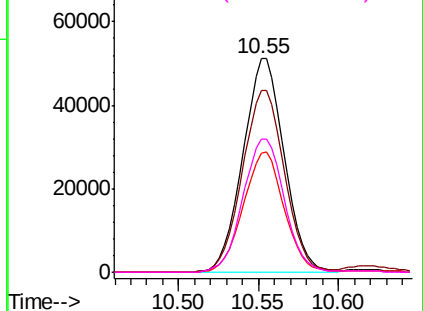
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

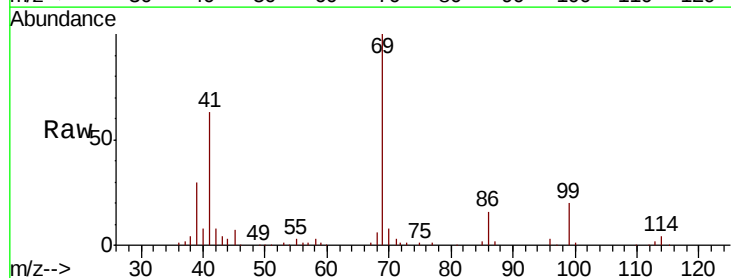
Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56
 Ethyl methacrylate
 Concen: 18.277 ug/l
 RT: 10.42 min Scan# 2689
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion:	69	Resp:	119609
Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.7	74.5
39	29.8	23.6	35.4

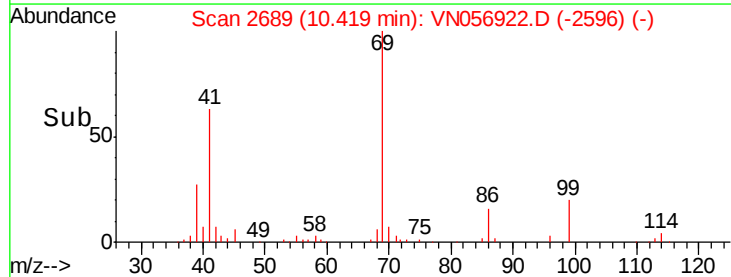
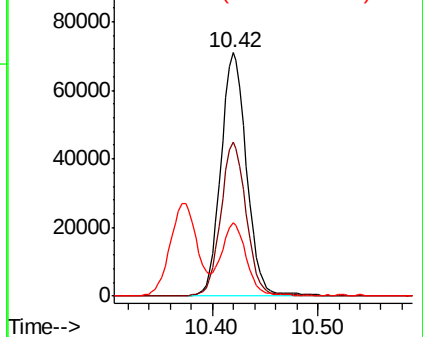


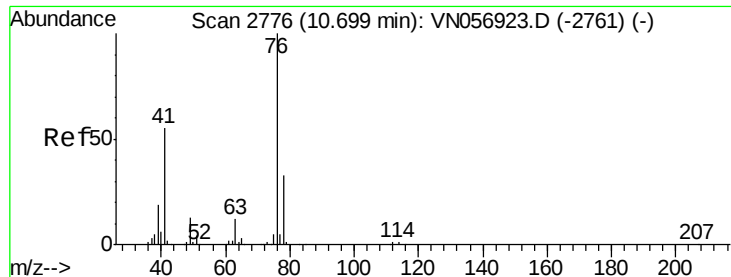
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

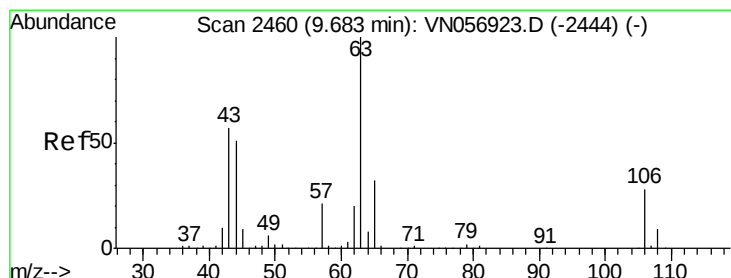
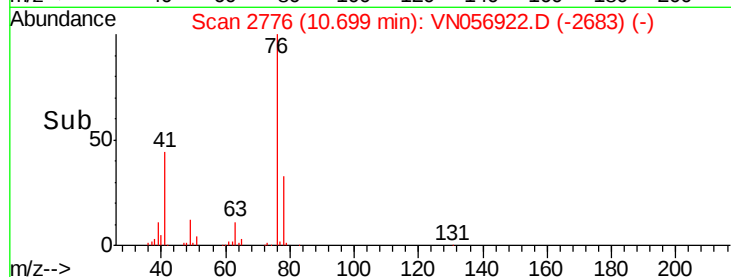
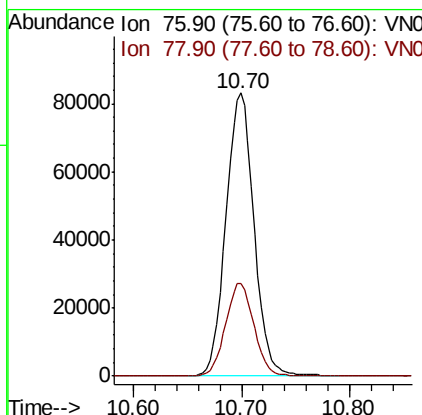
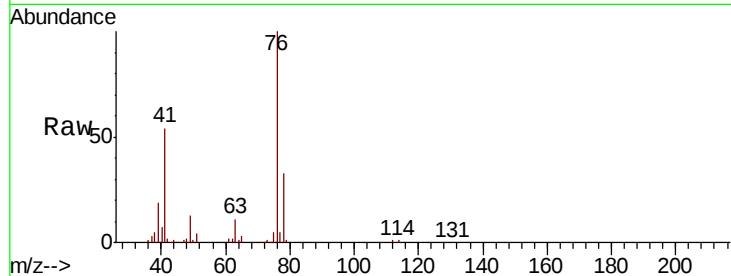




#57
 1,3-Dichloropropane
 Concen: 19.224 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

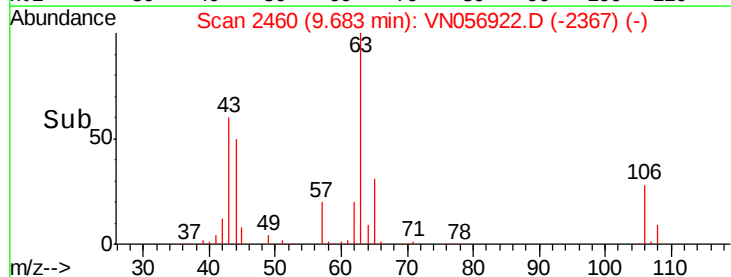
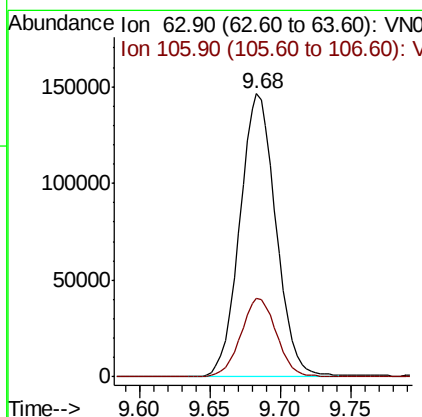
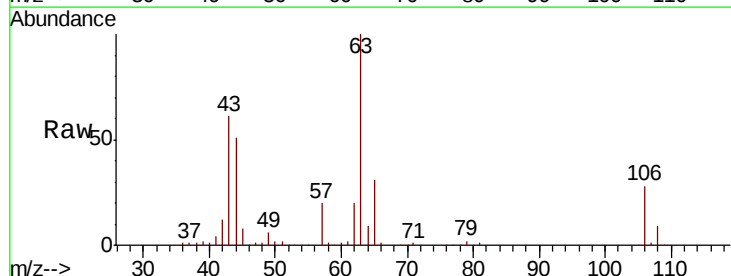
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

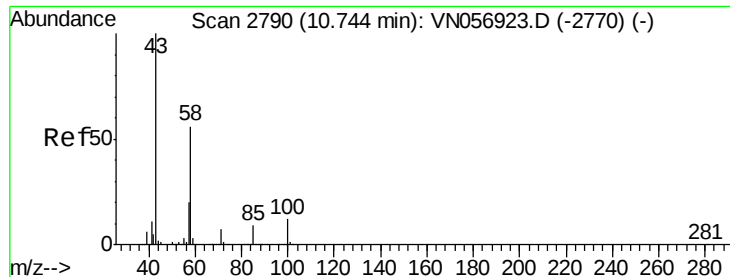
Tot Ion: 76 Resp: 150740
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.8 38.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.336 ug/l
 RT: 9.68 min Scan# 2460
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion: 63 Resp: 262659
 Ion Ratio Lower Upper
 63 100
 106 27.4 22.2 33.4

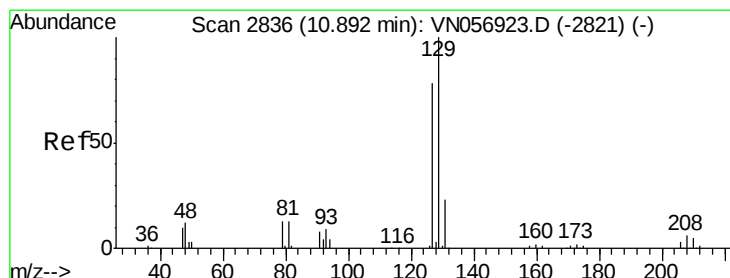
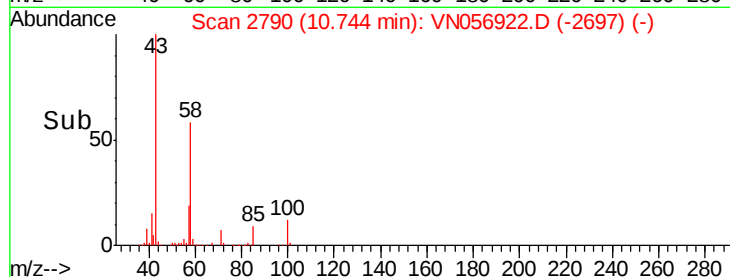
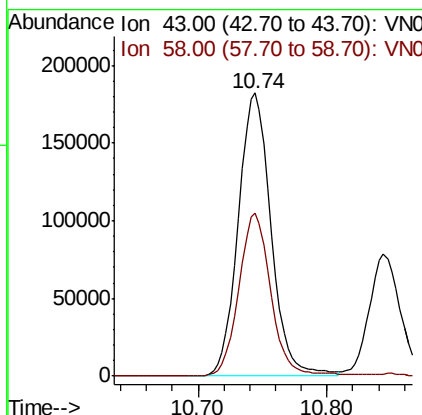
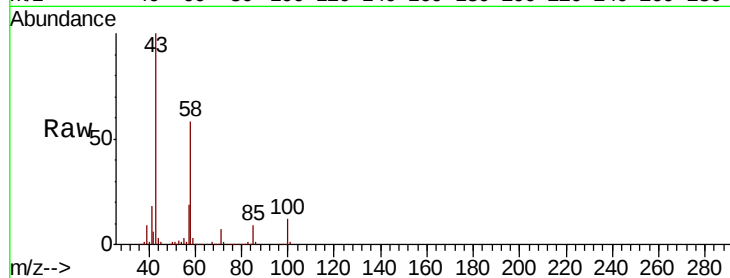




#59
2-Hexanone
Concen: 88.754 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

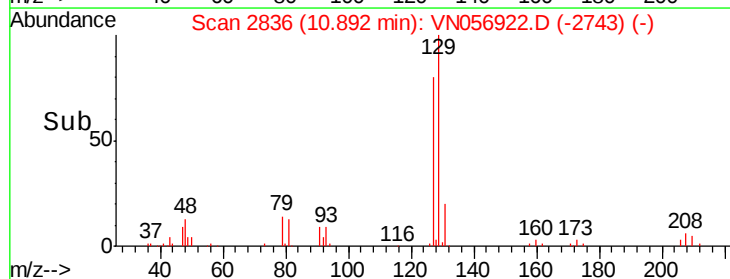
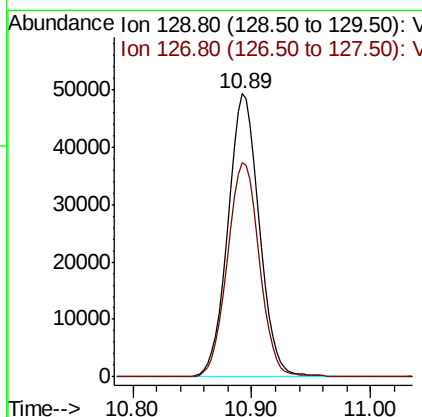
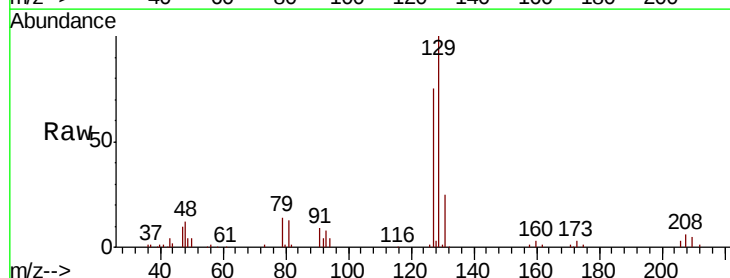
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

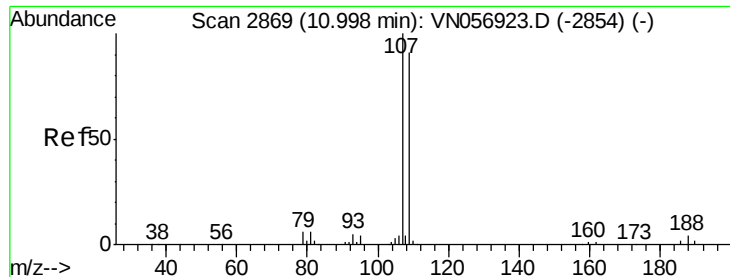
Tot Ion: 43 Resp: 322284
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.6



#60
Dibromochloromethane
Concen: 18.876 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 129 Resp: 89835
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.2

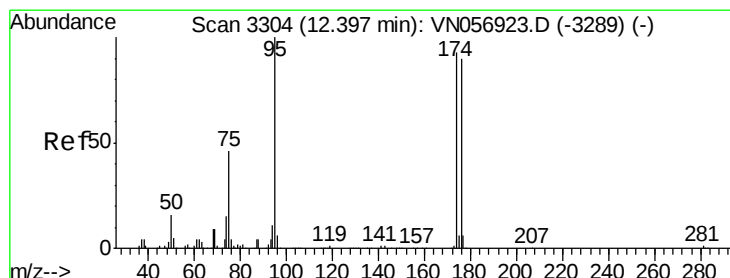
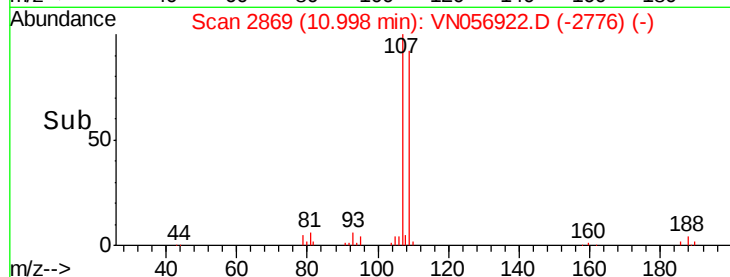
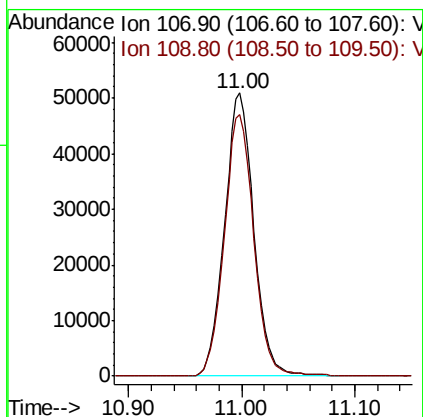
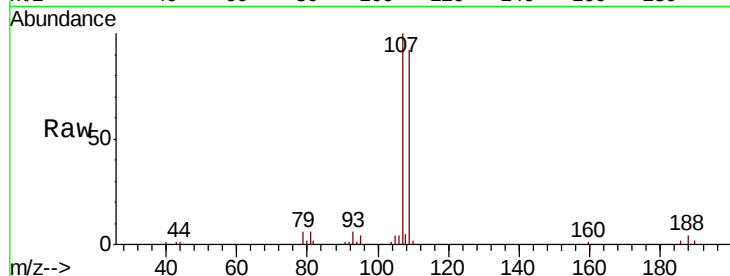




#61
 1,2-Dibromoethane
 Concen: 19.441 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

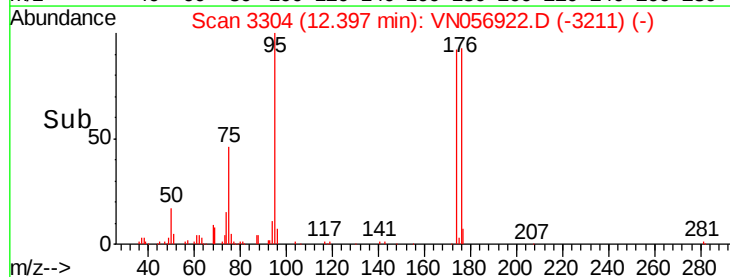
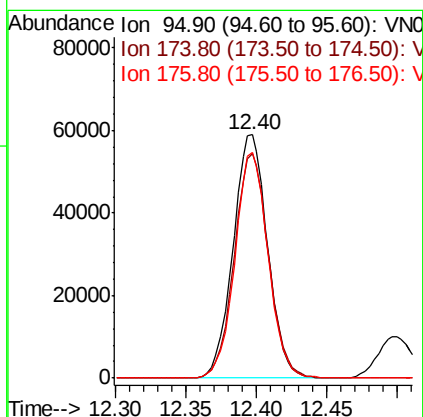
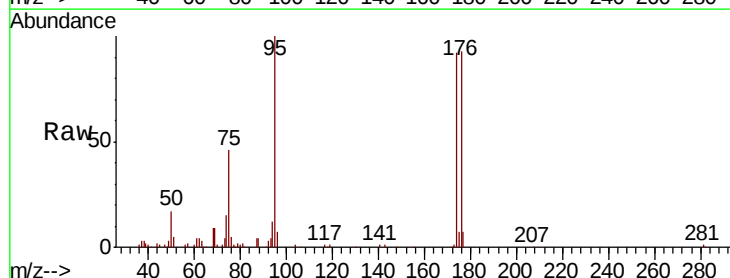
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

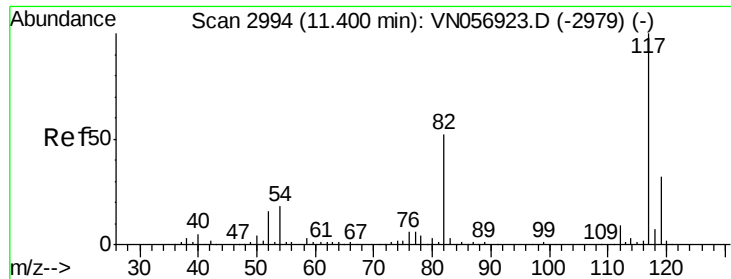
Tot Ion: 107 Resp: 91334
 Ion Ratio Lower Upper
 107 100
 109 93.0 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 18.213 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion: 95 Resp: 100858
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 186.2
 176 89.4 0.0 179.6

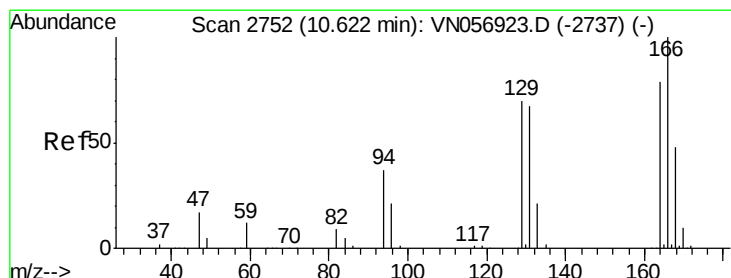
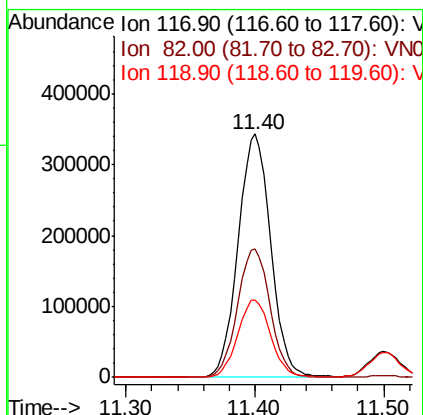
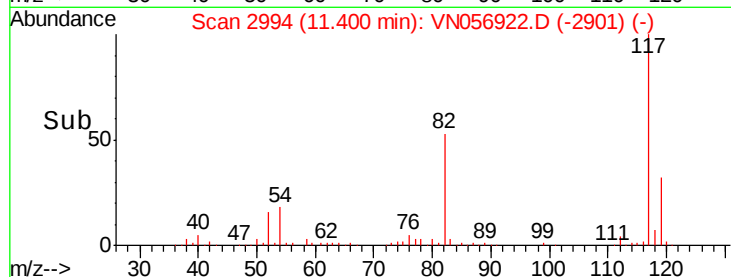
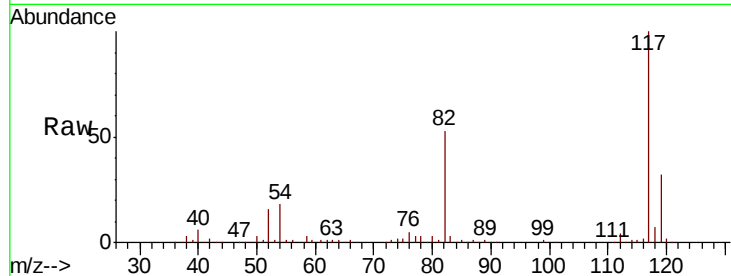




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

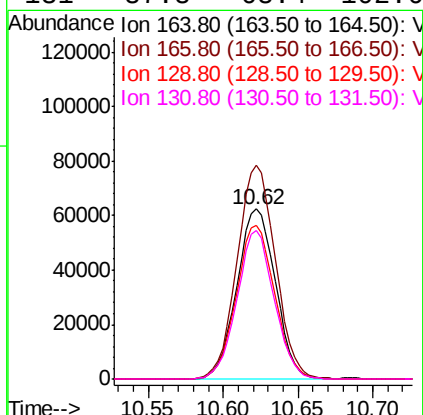
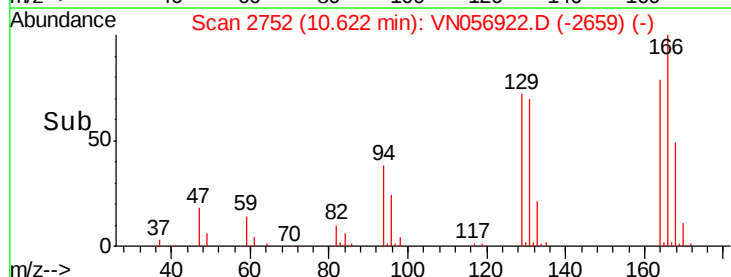
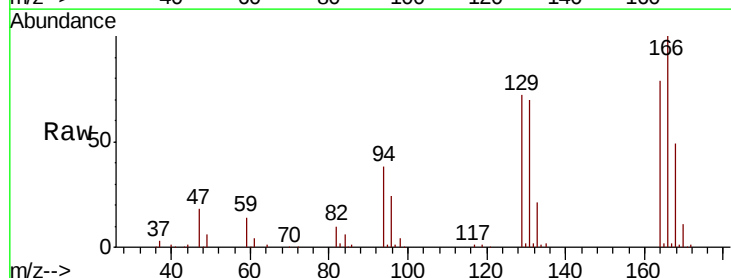
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

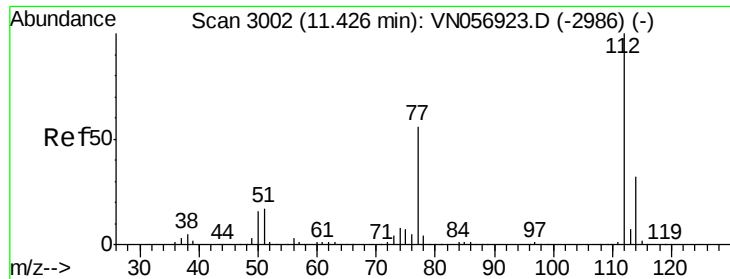
Tot Ion:117 Resp: 604556
Ion Ratio Lower Upper
117 100
82 53.0 41.7 62.5
119 31.9 25.5 38.3



#64
Tetrachloroethene
Concen: 21.241 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion:164 Resp: 111867
Ion Ratio Lower Upper
164 100
166 125.8 101.6 152.4
129 90.3 70.9 106.3
131 87.8 68.4 102.6

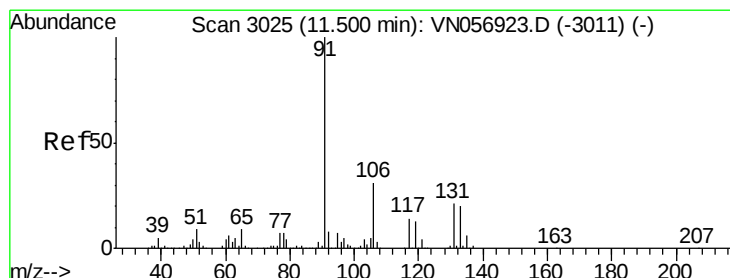
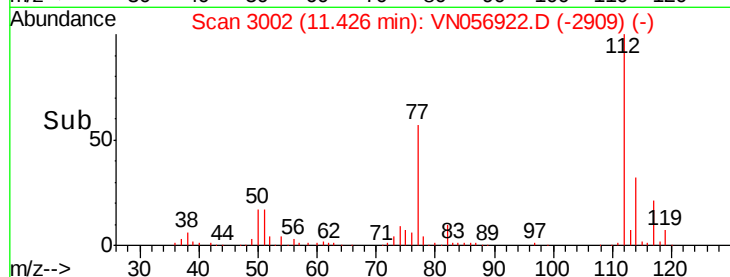
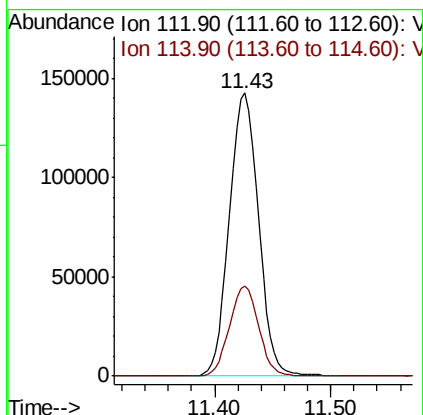
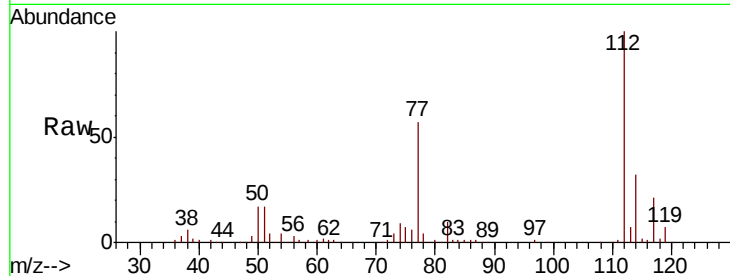




#65
Chlorobenzene
Concen: 19.640 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

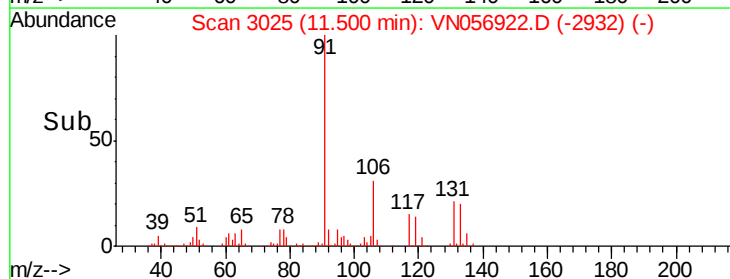
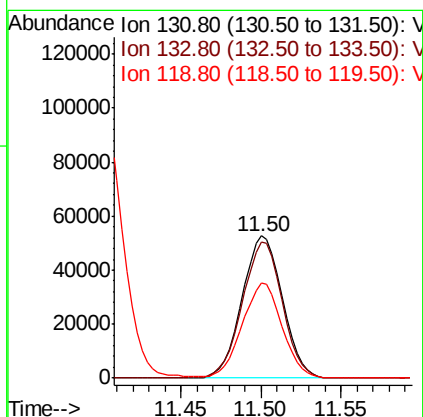
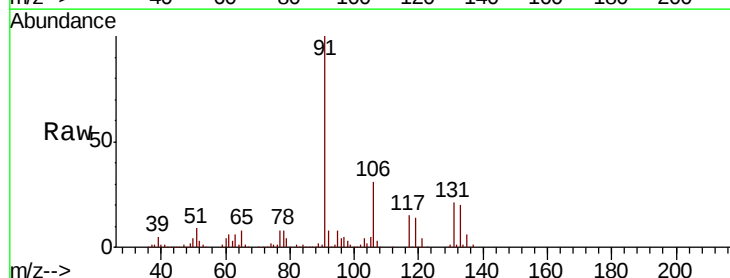
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

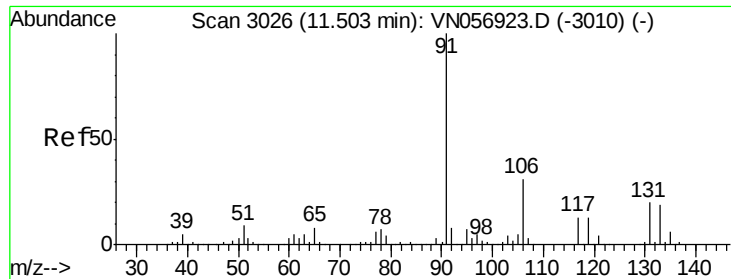
Tot Ion:112 Resp: 247969
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.108 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion:131 Resp: 91022
Ion Ratio Lower Upper
131 100
133 94.9 47.1 141.4
119 66.0 32.6 98.0

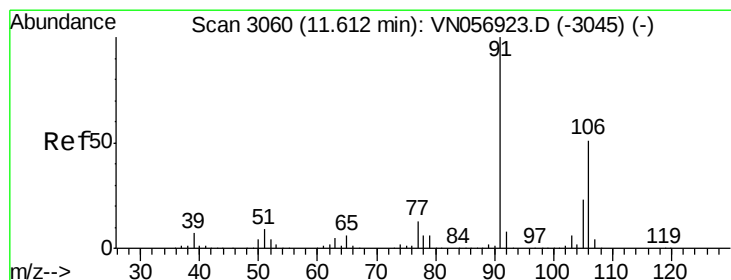
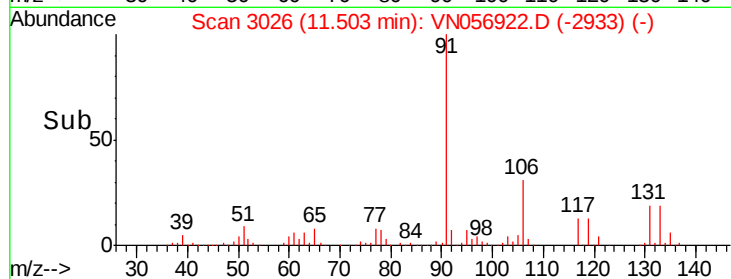
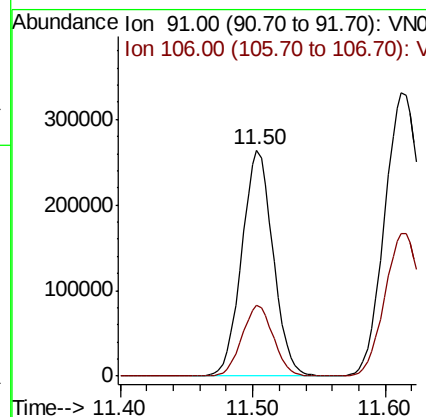
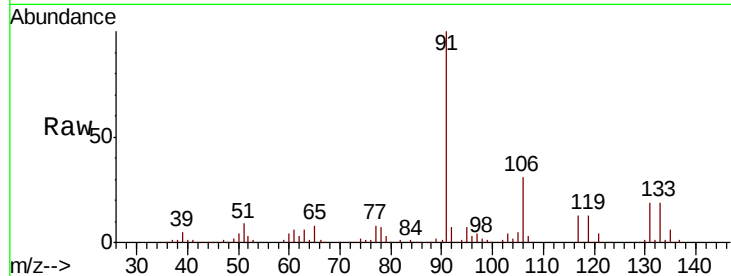




#67
Ethyl Benzene
Concen: 19.792 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

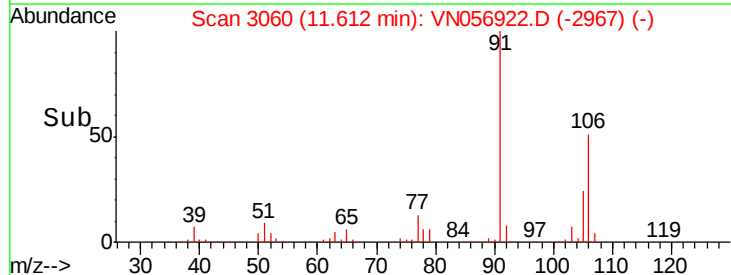
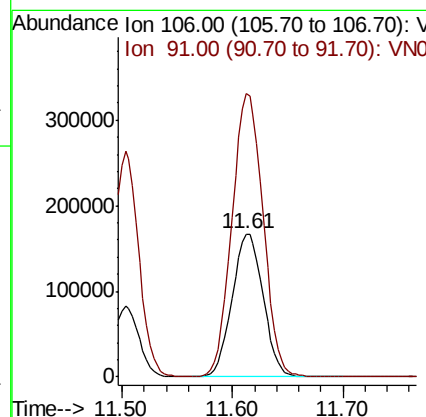
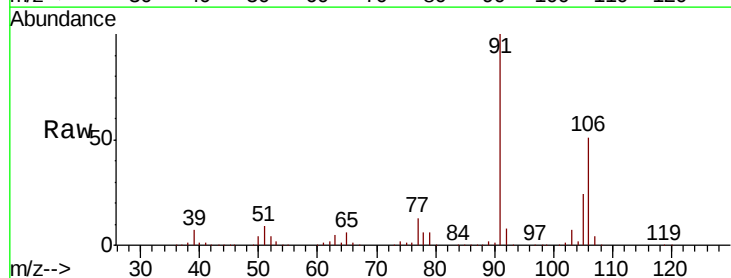
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

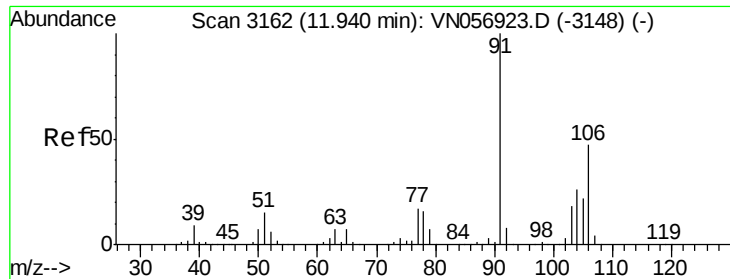
Tot Ion: 91 Resp: 431835
Ion Ratio Lower Upper
91 100
106 31.2 24.9 37.3



#68
m/p-Xylenes
Concen: 39.754 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion: 106 Resp: 324816
Ion Ratio Lower Upper
106 100
91 198.8 159.6 239.4

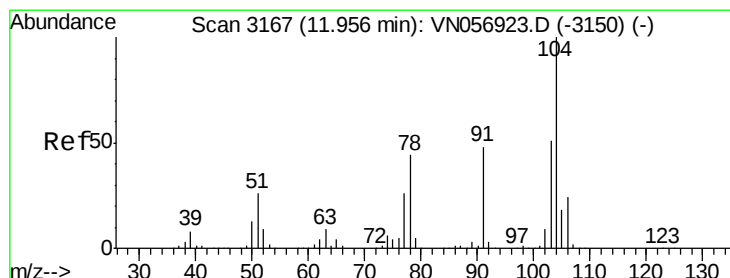
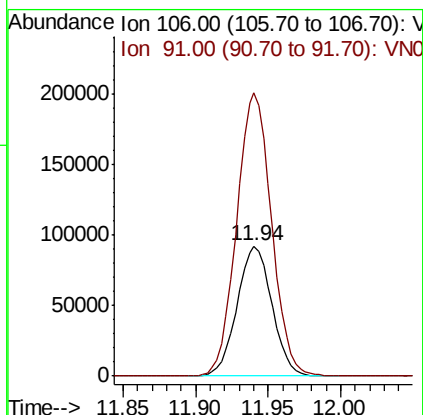
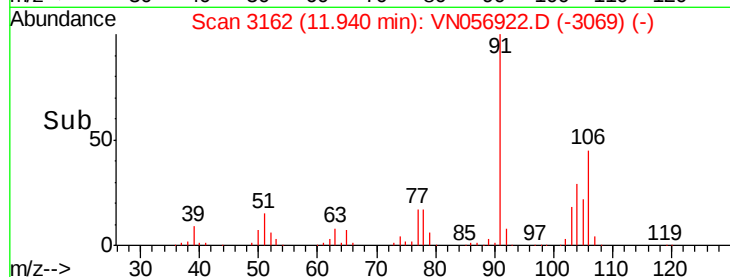
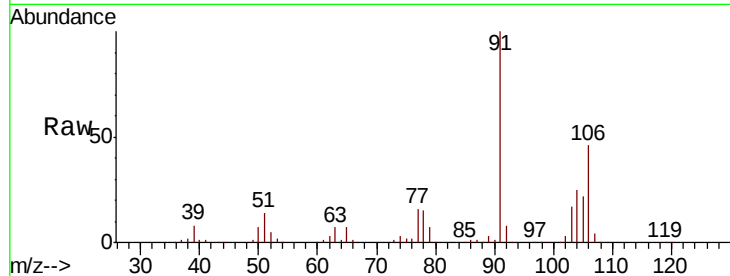




#69
o-Xylene
Concen: 19.369 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

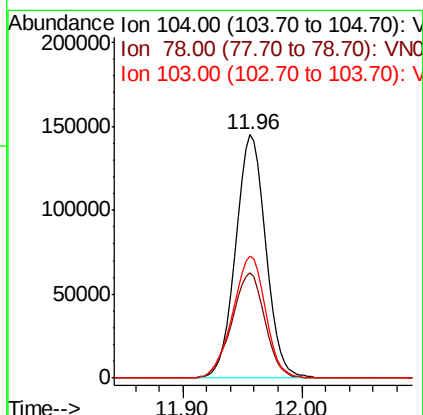
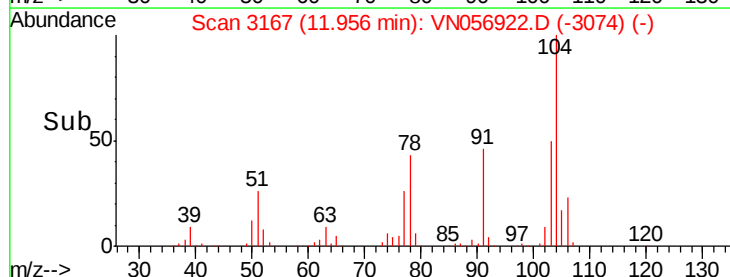
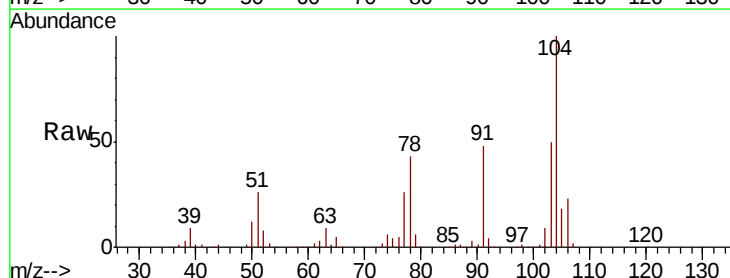
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

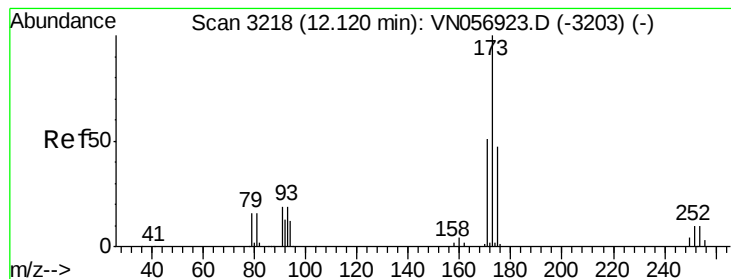
Tot Ion:106 Resp: 154128
Ion Ratio Lower Upper
106 100
91 217.2 105.7 317.0



#70
Styrene
Concen: 20.079 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion:104 Resp: 254800
Ion Ratio Lower Upper
104 100
78 47.6 38.5 57.7
103 54.6 44.1 66.1





#71

Bromoform

Concen: 18.237 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

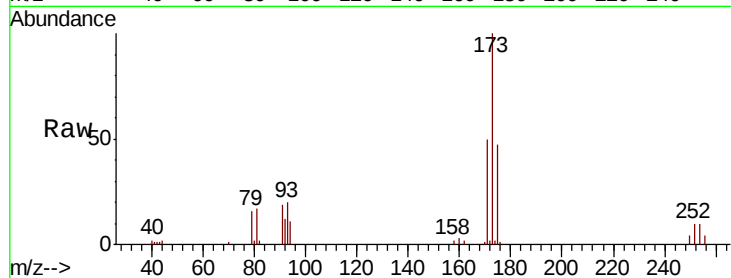
Tot Ion:173 Resp: 59804

Ion Ratio Lower Upper

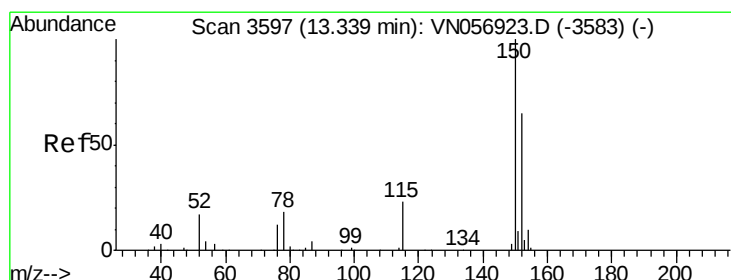
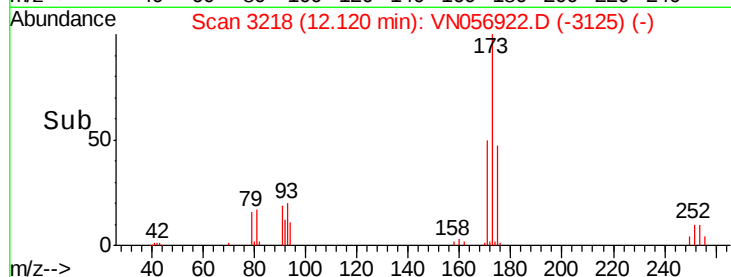
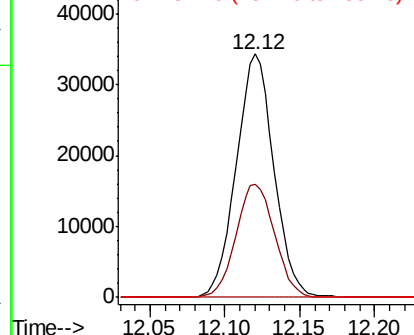
173 100

175 47.8 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: VN056922.D

Acq: 25 Jul 2019 15:02

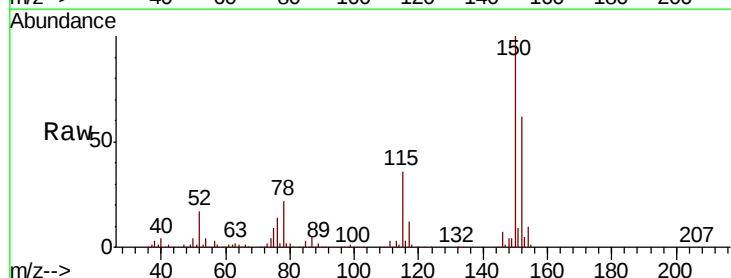
Tgt Ion:152 Resp: 241373

Ion Ratio Lower Upper

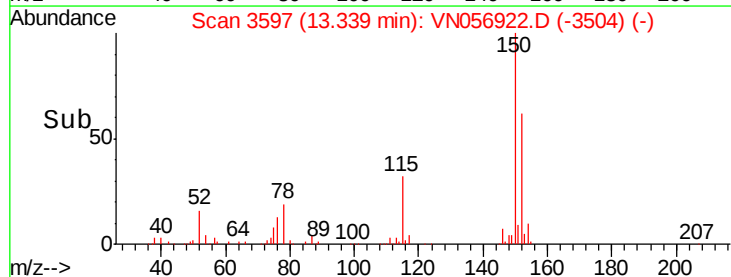
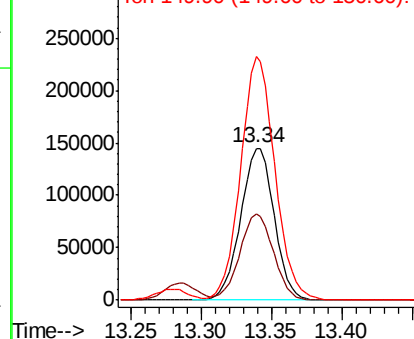
152 100

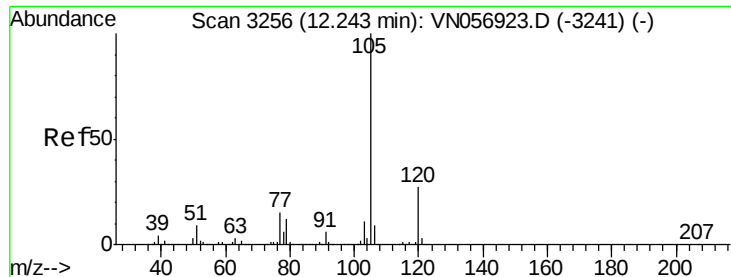
115 57.0 27.9 83.7

150 163.3 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: 19.663 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

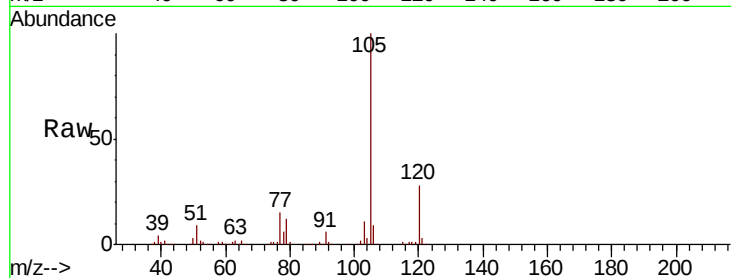
VSTDIC020

Tot Ion:105 Resp: 418350

Ion Ratio Lower Upper

105 100

120 27.1 13.4 40.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.24

250000

200000

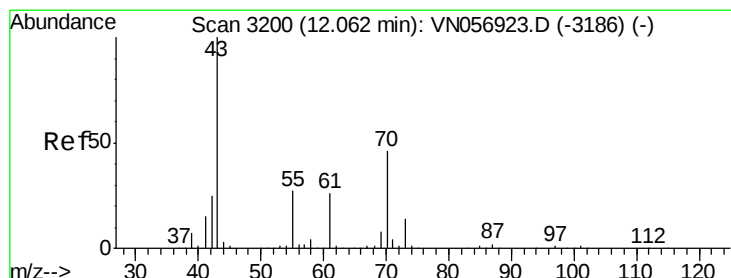
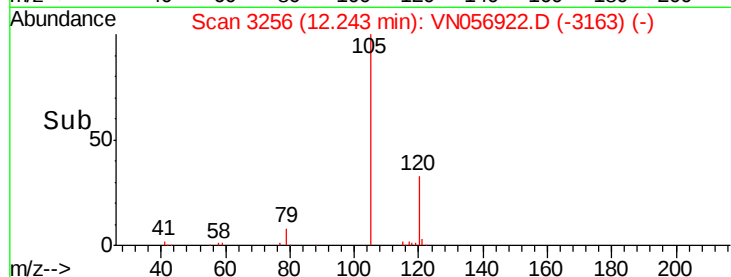
150000

100000

50000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 16.438 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Tgt Ion: 43 Resp: 115766

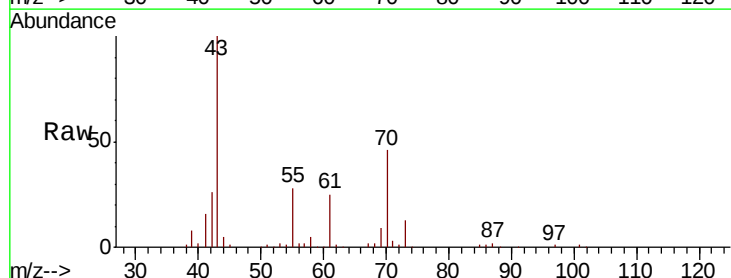
Ion Ratio Lower Upper

43 100

70 45.5 35.9 53.9

55 27.3 21.4 32.2

61 24.9 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

12.06

80000

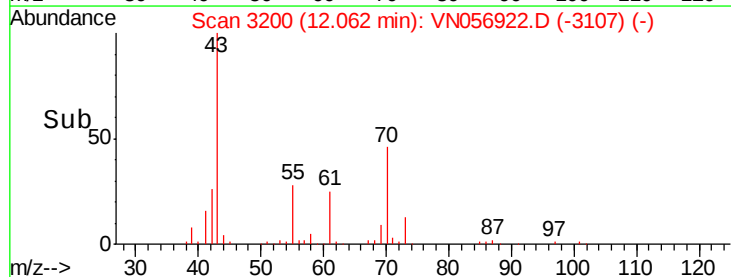
60000

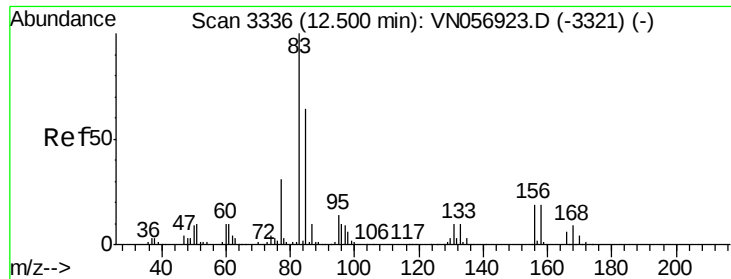
40000

20000

0

Time--> 12.00 12.05 12.10 12.15





#75

1,1,2,2-Tetrachloroethane

Concen: 17.815 ug/l

RT: 12.50 min Scan# 3335

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

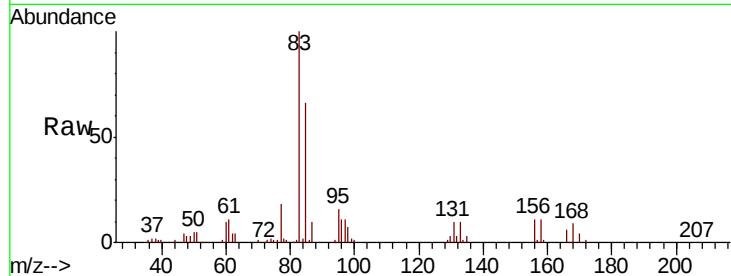
Tot Ion: 83 Resp: 111381

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

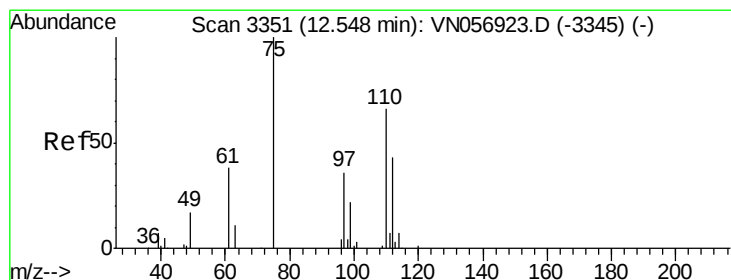
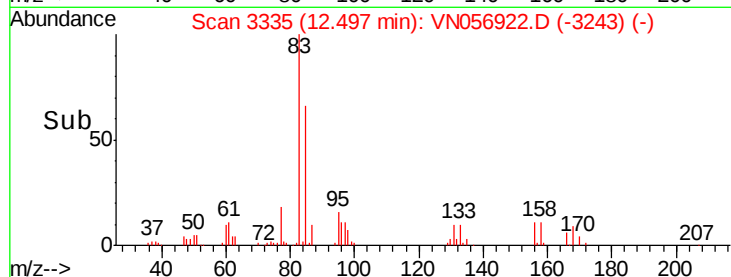
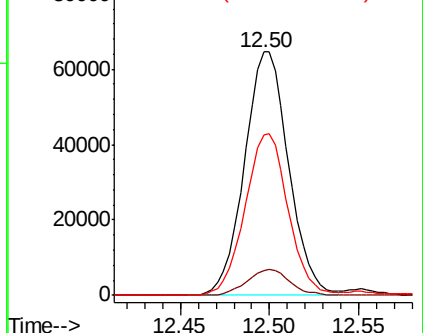
85 64.8 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.774 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN056922.D

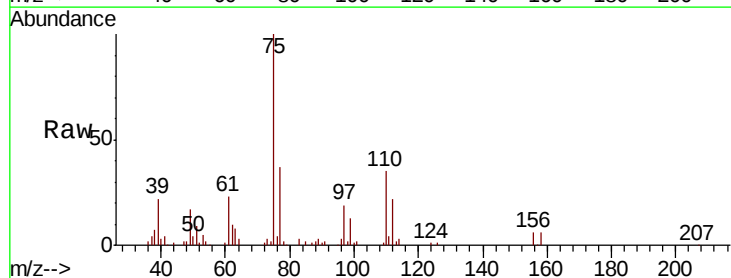
Acq: 25 Jul 2019 15:02

Tgt Ion: 75 Resp: 131116

Ion Ratio Lower Upper

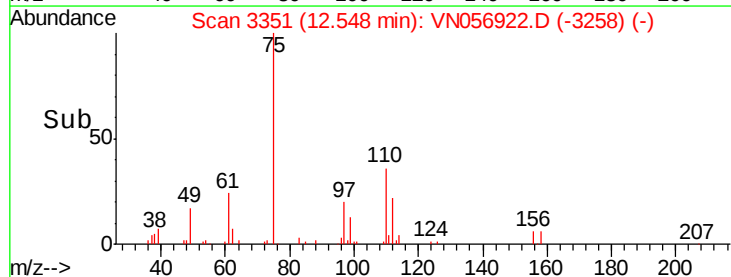
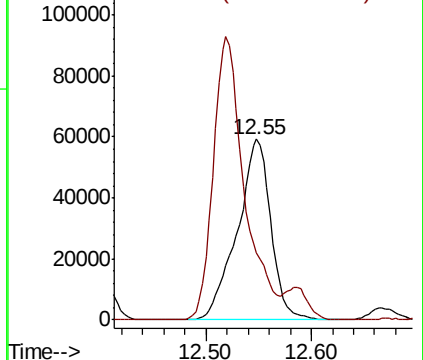
75 100

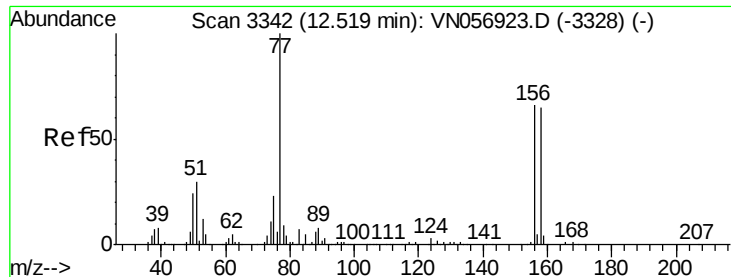
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.980 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

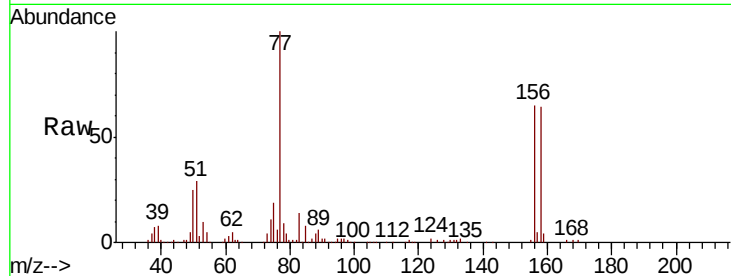
Tot Ion:156 Resp: 106055

Ion Ratio Lower Upper

156 100

77 179.4 90.8 272.3

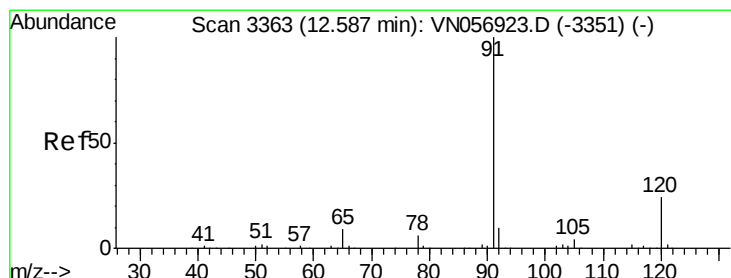
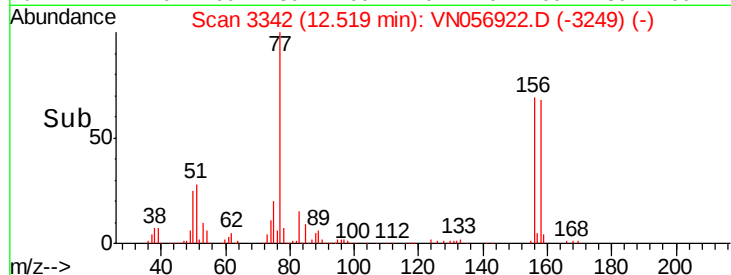
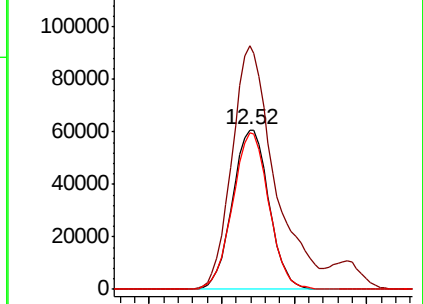
158 97.5 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.098 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN056922.D

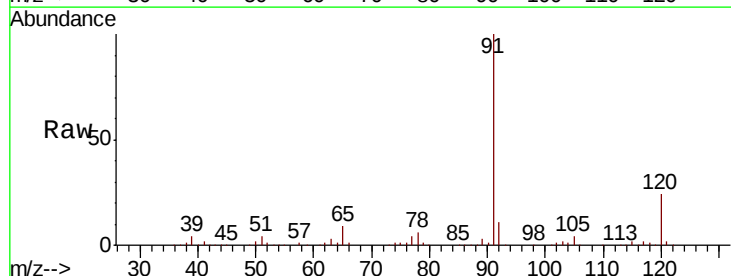
Acq: 25 Jul 2019 15:02

Tgt Ion: 91 Resp: 451087

Ion Ratio Lower Upper

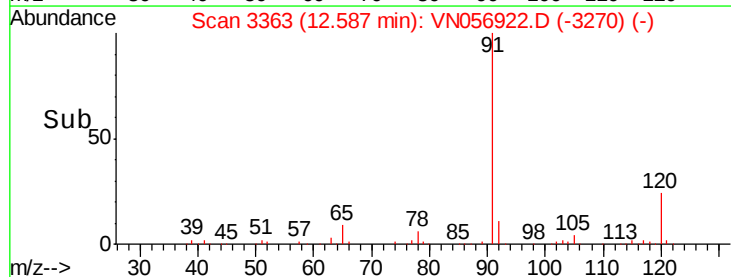
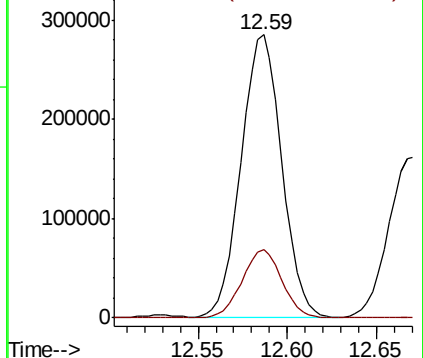
91 100

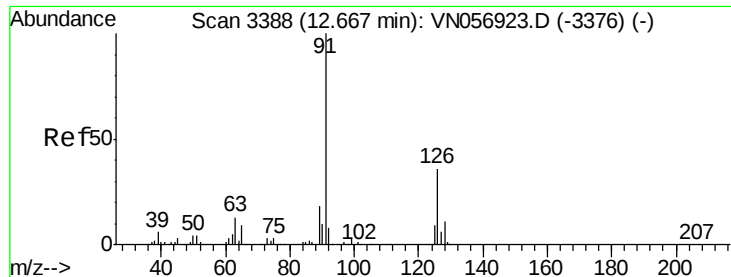
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.510 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampled :

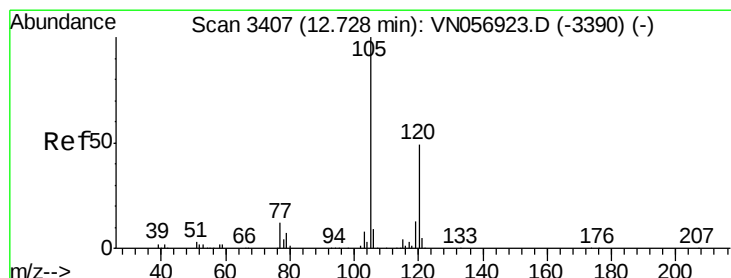
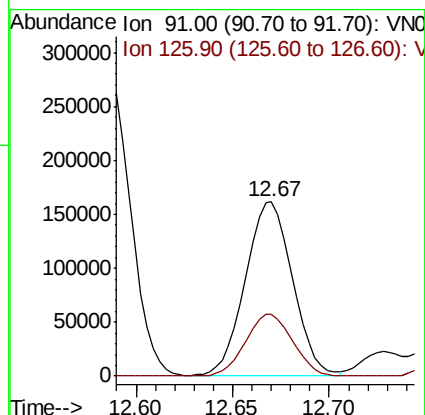
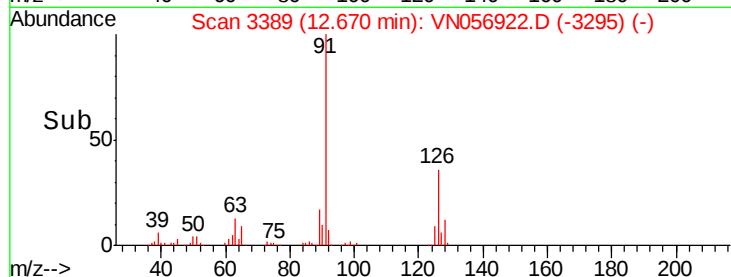
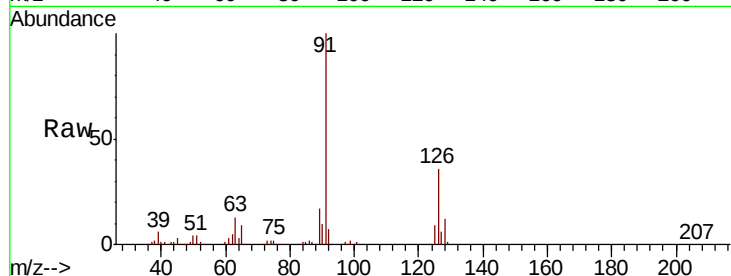
VSTDIC020

Tot Ion: 91 Resp: 273634

Ion Ratio Lower Upper

91 100

126 35.6 17.9 53.7



#80

1,3,5-Trimethylbenzene

Concen: 19.845 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056922.D

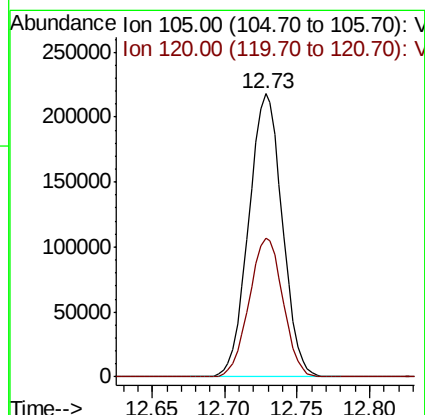
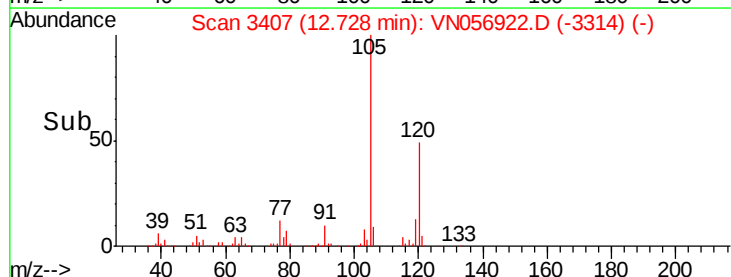
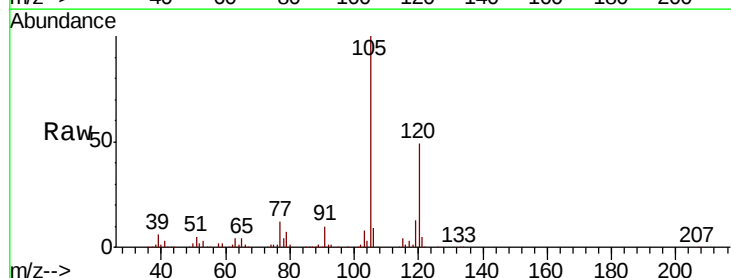
Acq: 25 Jul 2019 15:02

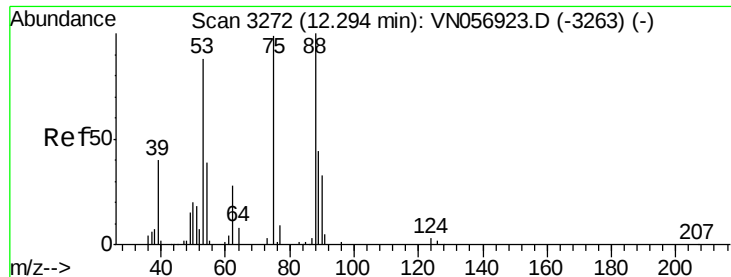
Tgt Ion: 105 Resp: 351874

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 17.299 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

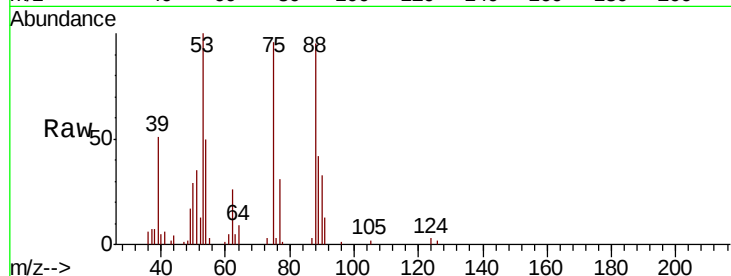
Tot Ion: 75 Resp: 27044

Ion Ratio Lower Upper

75 100

53 102.1 72.3 108.5

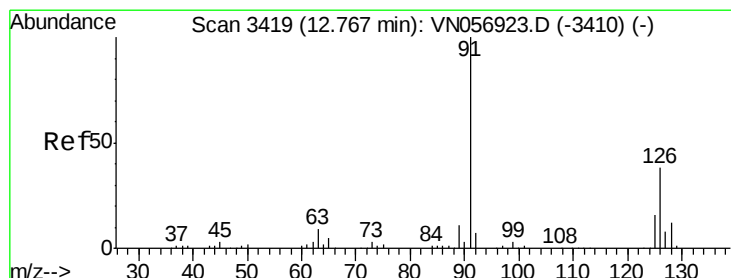
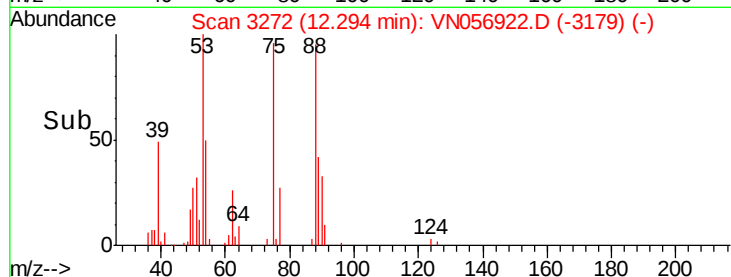
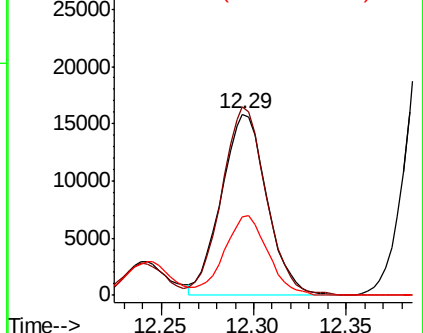
89 41.7 36.2 54.2



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: 19.312 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN056922.D

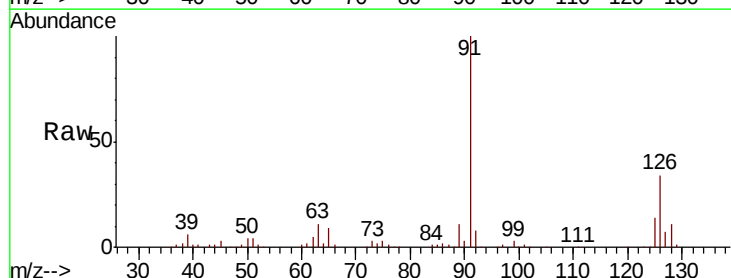
Acq: 25 Jul 2019 15:02

Tgt Ion: 91 Resp: 257244

Ion Ratio Lower Upper

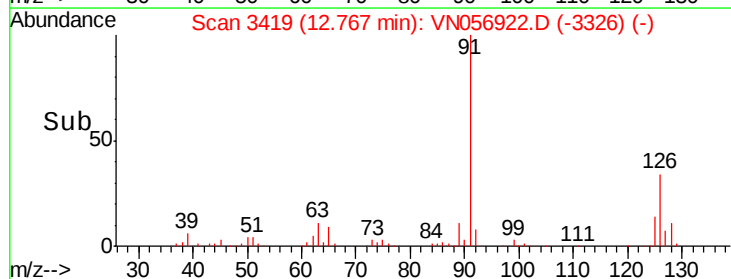
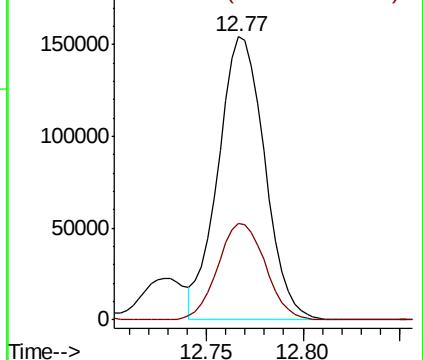
91 100

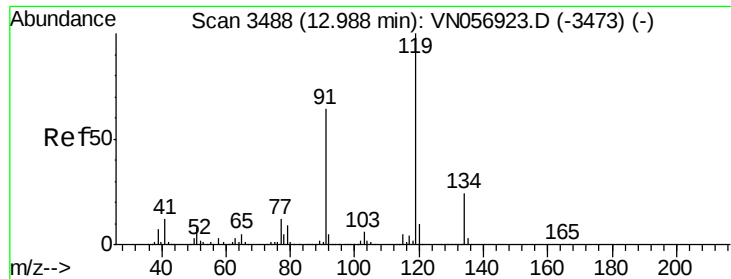
126 35.0 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

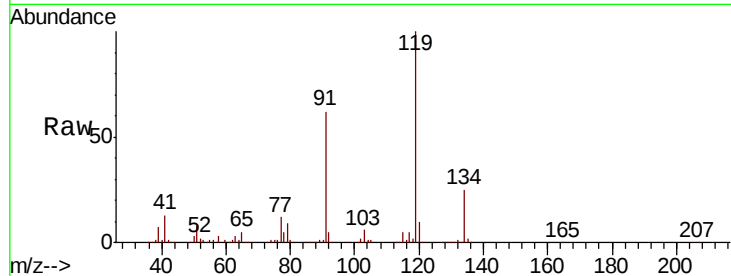




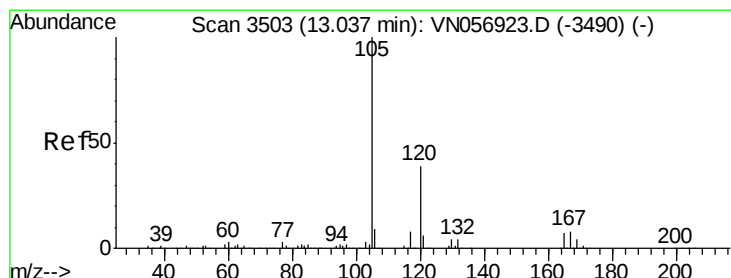
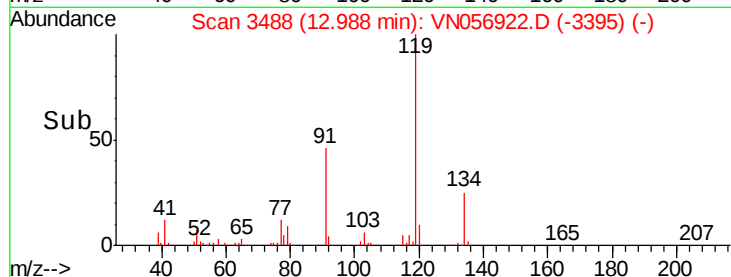
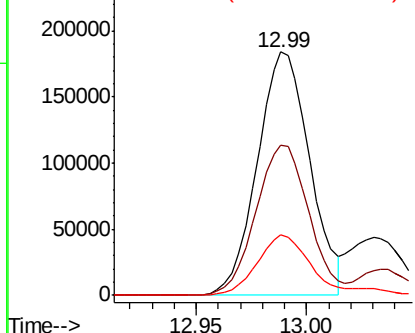
#83
tert-Butylbenzene
Concen: 19.537 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion:119 Resp: 303276
Ion Ratio Lower Upper
119 100
91 62.5 31.6 95.0
134 26.5 13.2 39.5

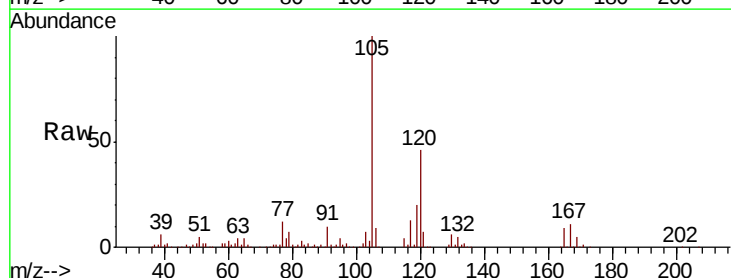


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

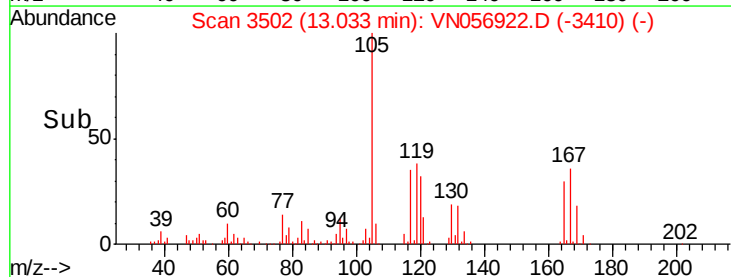
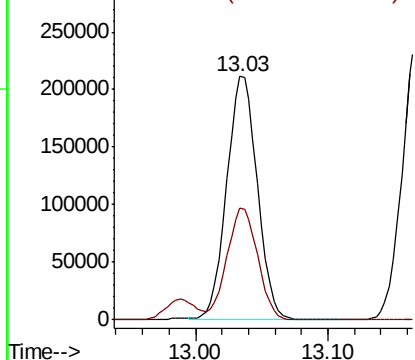


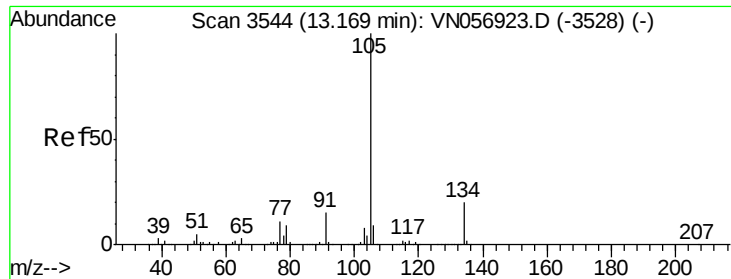
#84
1,2,4-Trimethylbenzene
Concen: 20.128 ug/l
RT: 13.03 min Scan# 3502
Delta R.T. -0.00 min
Lab File: VN056922.D
Acq: 25 Jul 2019 15:02

Tgt Ion:105 Resp: 340037
Ion Ratio Lower Upper
105 100
120 46.0 23.1 69.2



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





#85

sec-Butylbenzene

Concen: 19.918 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

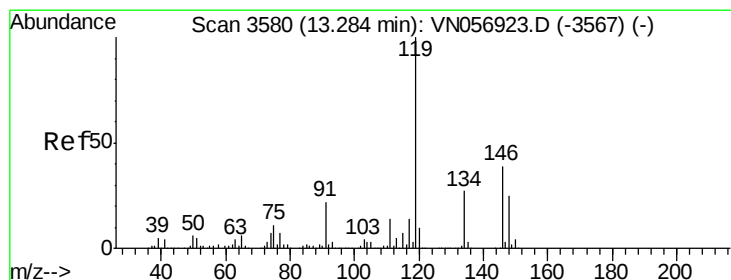
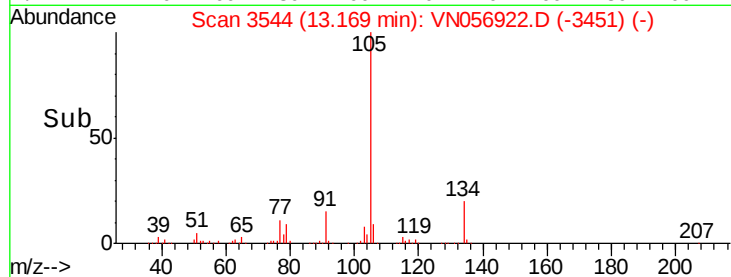
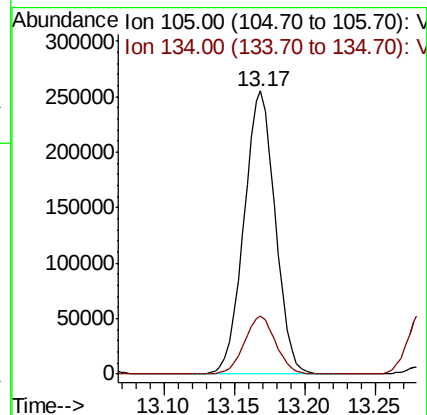
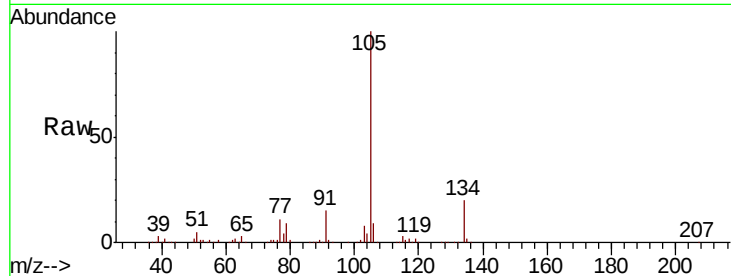
VSTDIC020

Tot Ion:105 Resp: 395661

Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.8



#86

p-Isopropyltoluene

Concen: 19.828 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

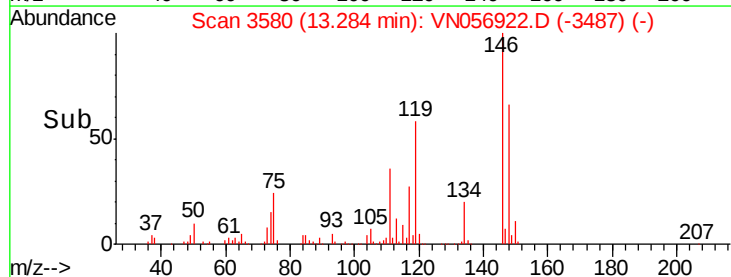
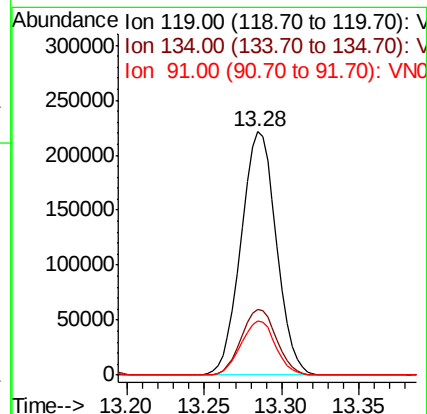
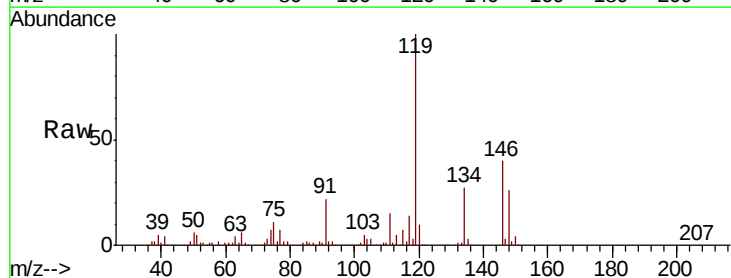
Tgt Ion:119 Resp: 351404

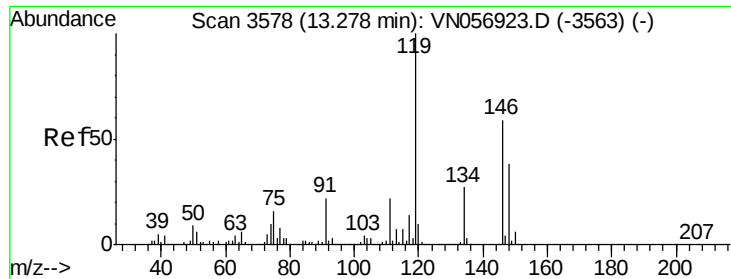
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 21.8 11.0 33.0

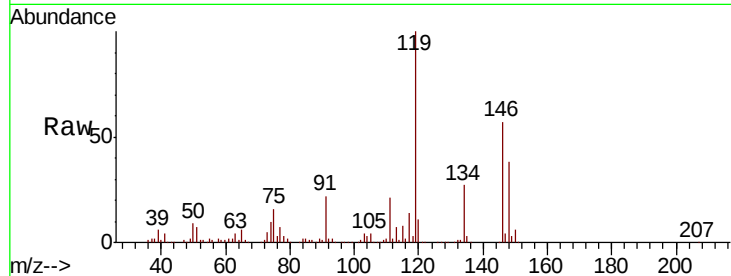




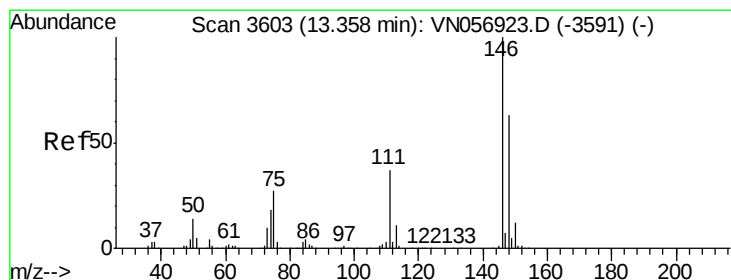
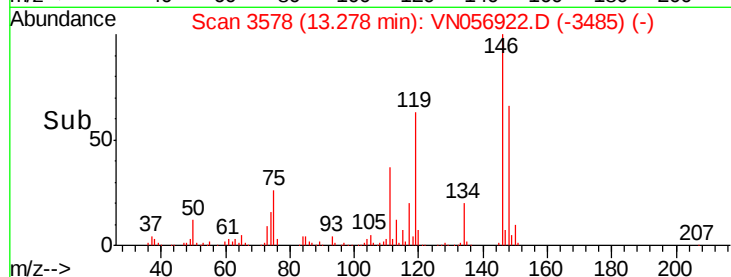
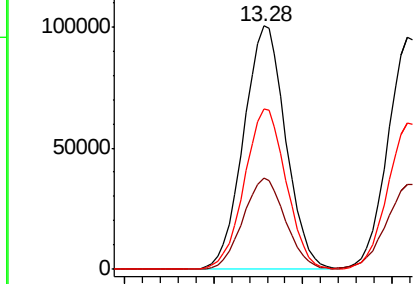
#87
 1,3-Dichlorobenzene
 Concen: 19.471 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:146 Resp: 165978
 Ion Ratio Lower Upper
 146 100
 111 37.7 18.6 56.0
 148 65.1 31.6 94.7

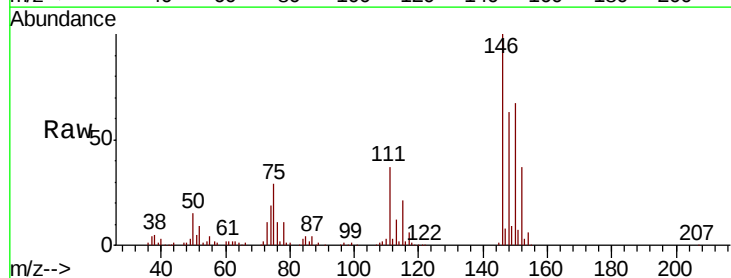


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

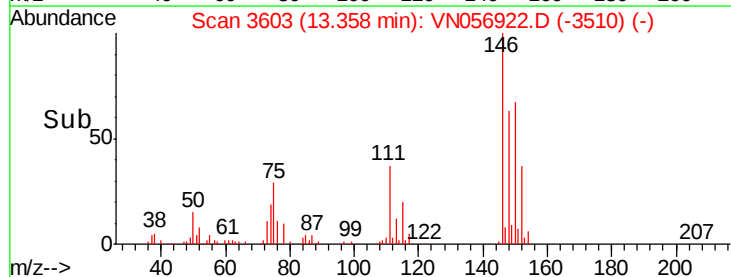
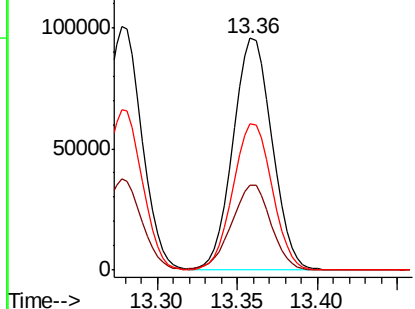


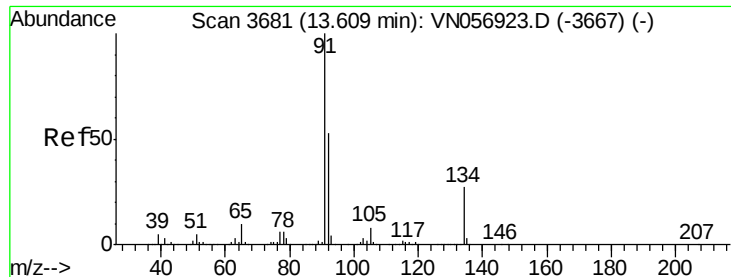
#88
 1,4-Dichlorobenzene
 Concen: 19.297 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion:146 Resp: 159126
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.9 56.5
 148 63.4 32.1 96.3



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





#89

n-Butylbenzene

Concen: 19.696 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

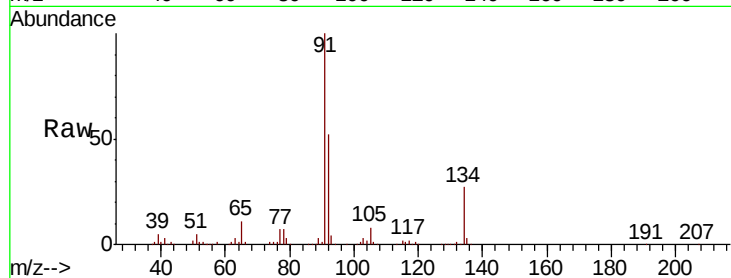
Tot Ion: 91 Resp: 267576

Ion Ratio Lower Upper

91 100

92 51.5 26.5 79.5

134 26.4 13.5 40.5

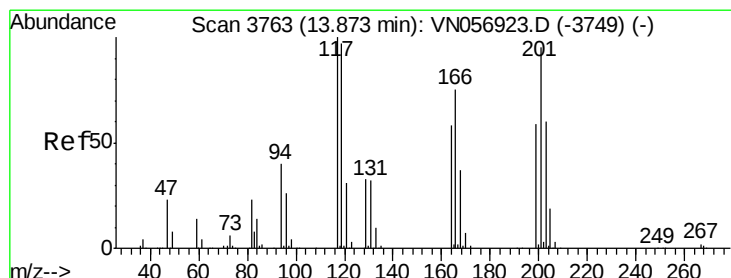
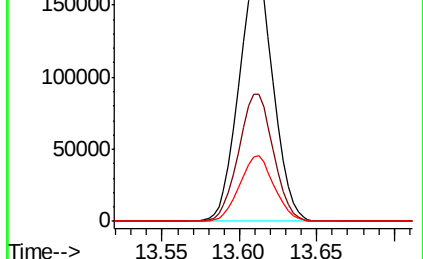
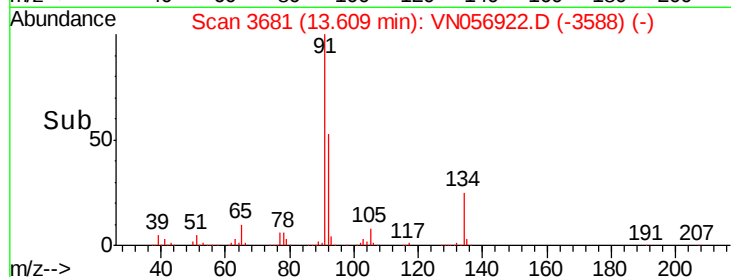


Abundance Ion 91.00 (90.70 to 91.70): VN056922.D (-3667) (-)

Ion 92.00 (91.70 to 92.70): VN056922.D (-3667) (-)

Ion 134.00 (133.70 to 134.70): VN056922.D (-3667) (-)

Time-->



#90

Hexachloroethane

Concen: 18.291 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN056922.D

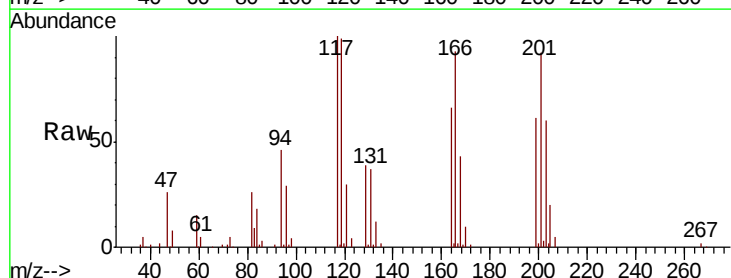
Acq: 25 Jul 2019 15:02

Tgt Ion: 117 Resp: 56062

Ion Ratio Lower Upper

117 100

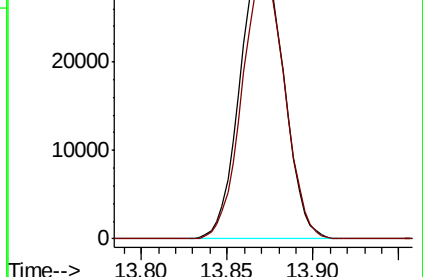
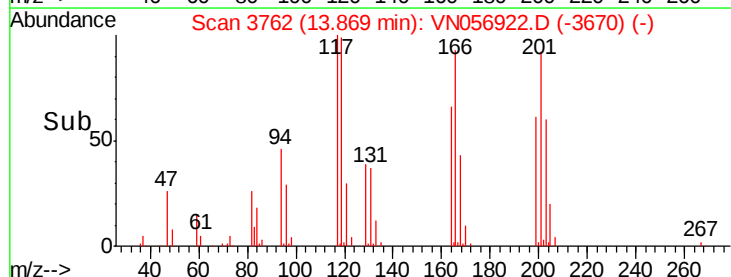
201 92.0 47.3 142.0

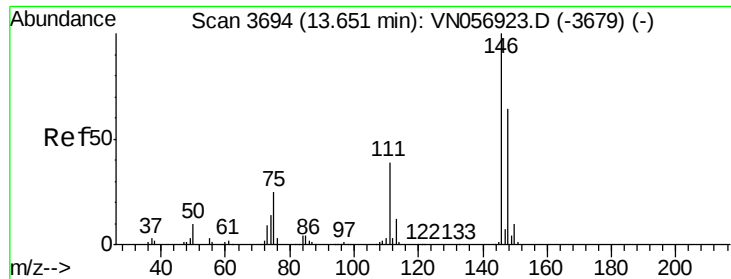


Abundance Ion 116.80 (116.50 to 117.50): VN056922.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056922.D (-3749) (-)

Time-->

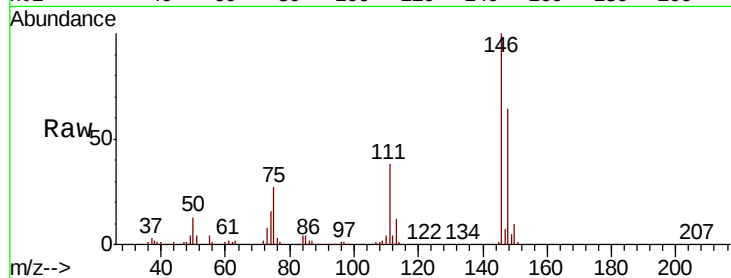




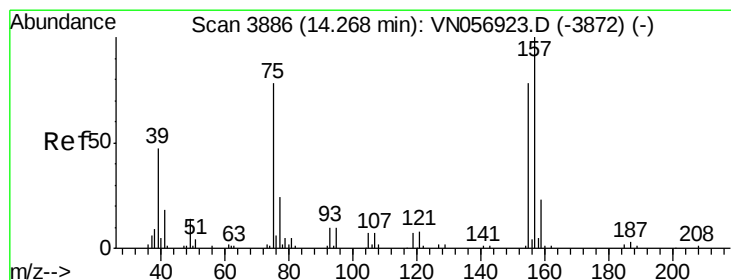
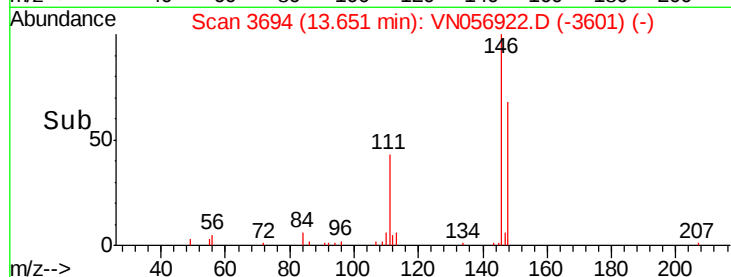
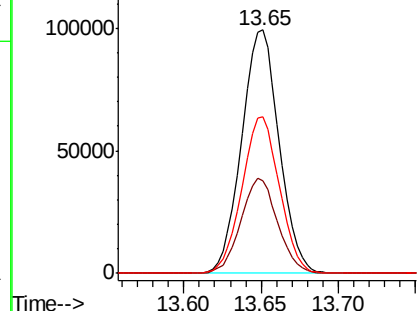
#91
 1,2-Dichlorobenzene
 Concen: 19.567 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.6	58.8
148	64.4	32.2	96.6

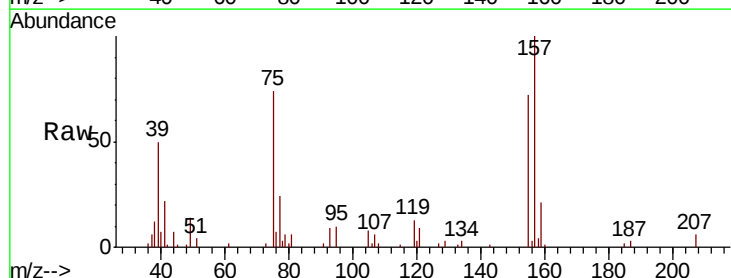


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

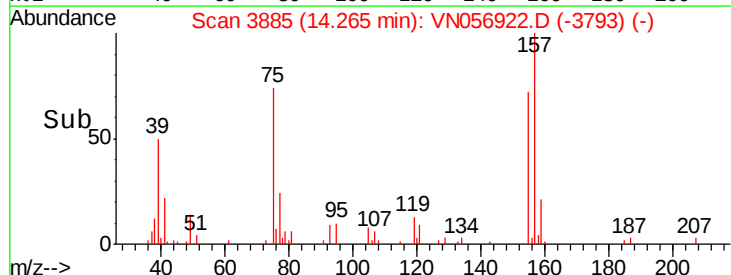
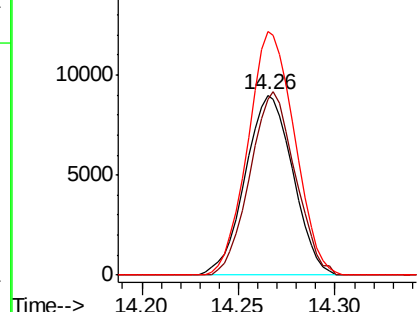


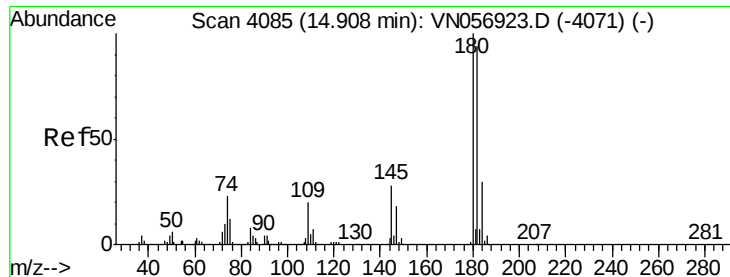
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.624 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.9	47.3	141.9
157	133.0	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

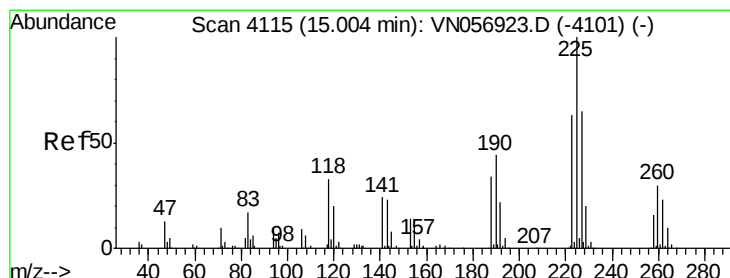
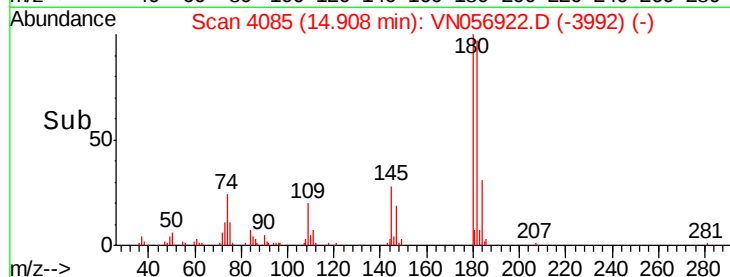
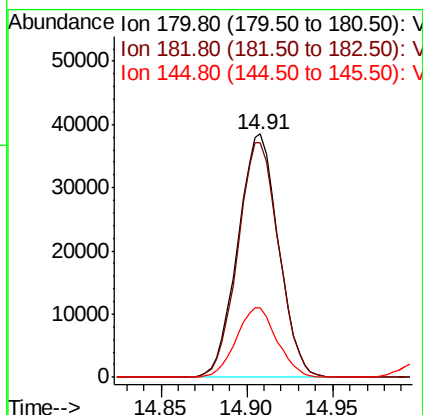
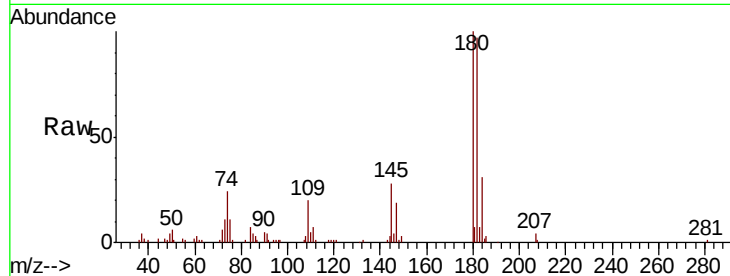




#93
 1,2,4-Trichlorobenzene
 Concen: 17.184 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

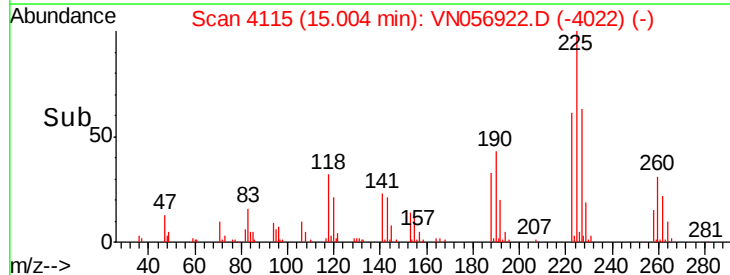
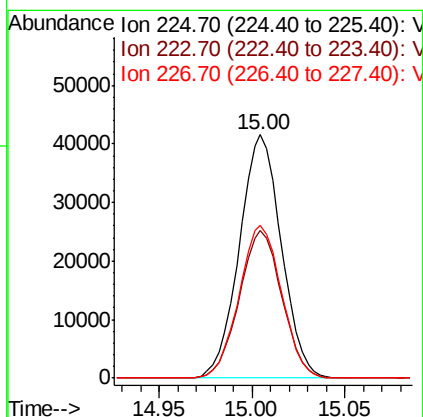
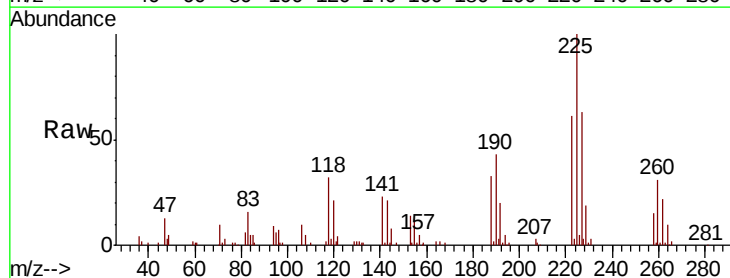
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

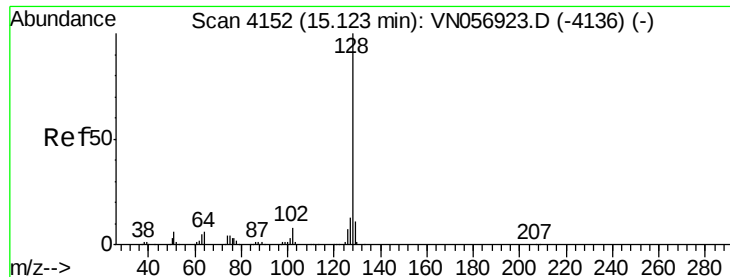
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.8
145	28.5	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 19.402 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN056922.D
 Acq: 25 Jul 2019 15:02

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.3	93.9
227	63.5	31.9	95.7





#95

Naphthalene

Concen: 15.020 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

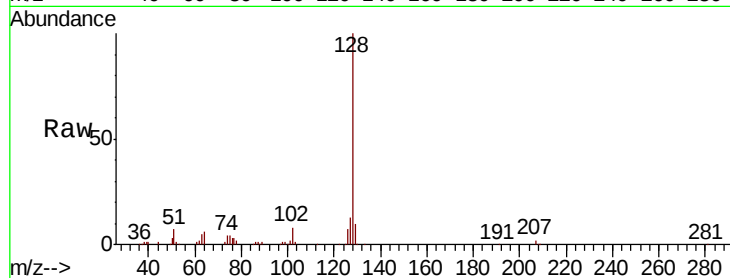
Tot Ion:128 Resp: 144766

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

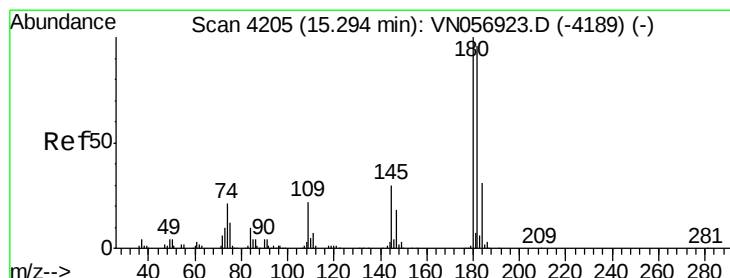
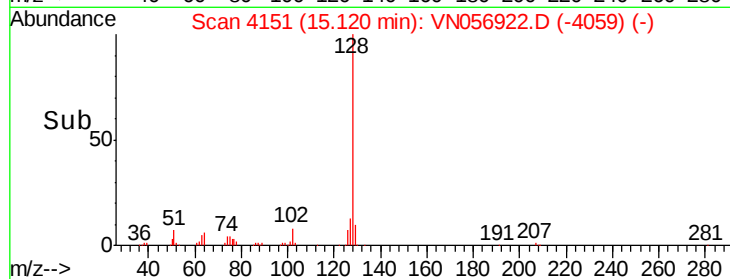
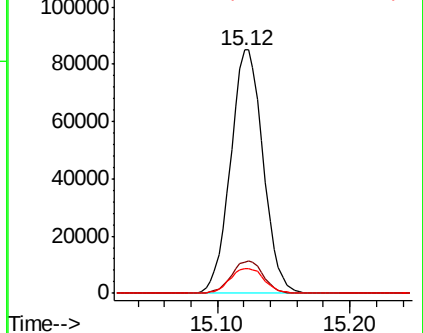
129 10.9 8.6 13.0



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: 17.367 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN056922.D

Acq: 25 Jul 2019 15:02

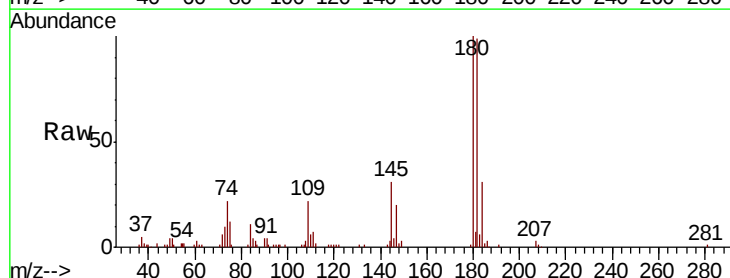
Tgt Ion:180 Resp: 70538

Ion Ratio Lower Upper

180 100

182 95.4 48.4 145.3

145 29.9 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

