

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062119\
 Data File : VN056422.D
 Acq On : 21 Jun 2019 13:42
 Operator : JC/SP
 Sample : VN0621MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Quant Time: Jun 22 01:44:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	367500	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	575759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	502048	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180265	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	213508	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
35) Dibromofluoromethane	7.59	113	182496	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.09	98	702151	50.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.48%	
62) 4-Bromofluorobenzene	12.40	95	221778	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	63651	20.455	ug/l	100
3) Chloromethane	2.06	50	82000	19.353	ug/l	98
4) Vinyl Chloride	2.18	62	80891	19.766	ug/l	98
5) Bromomethane	2.53	94	47512	19.804	ug/l	99
6) Chloroethane	2.68	64	47203	19.918	ug/l	100
7) Trichlorofluoromethane	3.00	101	107326	20.274	ug/l	99
8) Diethyl Ether	3.41	74	46214	20.628	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	67442	19.978	ug/l	100
10) Methyl Iodide	3.95	142	90260	19.782	ug/l	100
11) Tert butyl alcohol	4.80	59	67542	98.457	ug/l	99
12) 1,1-Dichloroethene	3.73	96	65604	20.208	ug/l	99
13) Acrolein	3.60	56	48631	84.111	ug/l	99
14) Allyl chloride	4.32	41	108423	20.063	ug/l	99
15) Acrylonitrile	4.99	53	199765	105.260	ug/l	100
16) Acetone	3.82	43	186184	91.238	ug/l	96
17) Carbon Disulfide	4.05	76	129025	17.474	ug/l	98
18) Methyl Acetate	4.33	43	88806	21.729	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	223091	20.768	ug/l	98
20) Methylene Chloride	4.55	84	80597	20.425	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	70078	20.022	ug/l	97
22) Diisopropyl ether	5.95	45	238756	21.037	ug/l	98
23) Vinyl Acetate	5.90	43	952652	106.422	ug/l	100
24) 1,1-Dichloroethane	5.85	63	134375	20.626	ug/l	99
25) 2-Butanone	6.84	43	274935	101.797	ug/l	98
26) 2,2-Dichloropropane	6.82	77	84358	18.617	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	84470	20.628	ug/l	99
28) Bromochloromethane	7.19	49	67609	20.981	ug/l	98
29) Tetrahydrofuran	7.21	42	179442	108.721	ug/l	99
30) Chloroform	7.37	83	132710	20.644	ug/l	99
31) Cyclohexane	7.65	56	124510	19.796	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	104706	20.548	ug/l	98
36) 1,1-Dichloropropene	7.79	75	95417	18.828	ug/l	99
37) Ethyl Acetate	6.93	43	106858	21.456	ug/l	99
38) Carbon Tetrachloride	7.77	117	85961	19.397	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	116347	18.606	ug/l	98
40) Benzene	8.04	78	310321	19.907	ug/l	98
41) Methacrylonitrile	7.18	41	45051	20.485	ug/l	93
42) 1,2-Dichloroethane	8.13	62	101968	19.821	ug/l	100
43) Isopropyl Acetate	8.17	43	159468	20.766	ug/l	99
44) Trichloroethene	8.83	130	83445	19.872	ug/l	96
45) 1,2-Dichloropropane	9.12	63	83616	20.057	ug/l	99
46) Dibromomethane	9.21	93	52797	20.243	ug/l	99
47) Bromodichloromethane	9.40	83	91568	19.795	ug/l	100
48) Methyl methacrylate	9.20	41	78007	20.270	ug/l	98
49) 1,4-Dioxane	9.21	88	32727	409.800	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	515071	103.917	ug/l	99
52) Toluene	10.16	92	190755	20.016	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	91693	18.926	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	110986	19.924	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	79484	20.749	ug/l	98
56) Ethyl methacrylate	10.43	69	114639	20.477	ug/l	99
57) 1,3-Dichloropropane	10.71	76	132491	20.588	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	241158	119.905	ug/l	99
59) 2-Hexanone	10.75	43	362582	99.531	ug/l	99
60) Dibromochloromethane	10.90	129	67971	18.822	ug/l	99
61) 1,2-Dibromoethane	11.01	107	79549	20.332	ug/l	99
64) Tetrachloroethene	10.63	164	84351	21.216	ug/l	98
65) Chlorobenzene	11.43	112	201575	19.982	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	70978	20.818	ug/l	99
67) Ethyl Benzene	11.51	91	353050	19.932	ug/l	100
68) m/p-Xylenes	11.62	106	260021	40.056	ug/l	100
69) o-Xylene	11.95	106	127696	19.884	ug/l	100
70) Styrene	11.96	104	206319	20.099	ug/l	100
71) Bromoform	12.13	173	46101	18.850	ug/l #	97
73) Isopropylbenzene	12.25	105	342832	23.919	ug/l	99
74) N-amyl acetate	12.07	43	122179	21.296	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	106396	23.770	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	121858	32.601	ug/l #	100
77) Bromobenzene	12.53	156	85901	21.312	ug/l	99
78) n-propylbenzene	12.59	91	347967	21.079	ug/l	100
79) 2-Chlorotoluene	12.67	91	218053	22.708	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	270674	22.622	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	21296	20.249	ug/l	94
82) 4-Chlorotoluene	12.77	91	198220	20.337	ug/l	100
83) tert-Butylbenzene	12.99	119	242966	23.093	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	253075	20.854	ug/l	100
85) sec-Butylbenzene	13.17	105	304642	20.996	ug/l	100
86) p-Isopropyltoluene	13.29	119	258681	20.774	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	123977	20.296	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	117816	19.915	ug/l	99
89) n-Butylbenzene	13.61	91	175895	18.659	ug/l	99
90) Hexachloroethane	13.87	117	38996	20.087	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	127334	21.011	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13293	19.929	ug/l	98

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QLast Update : Fri Jun 21 03:45:40 2019
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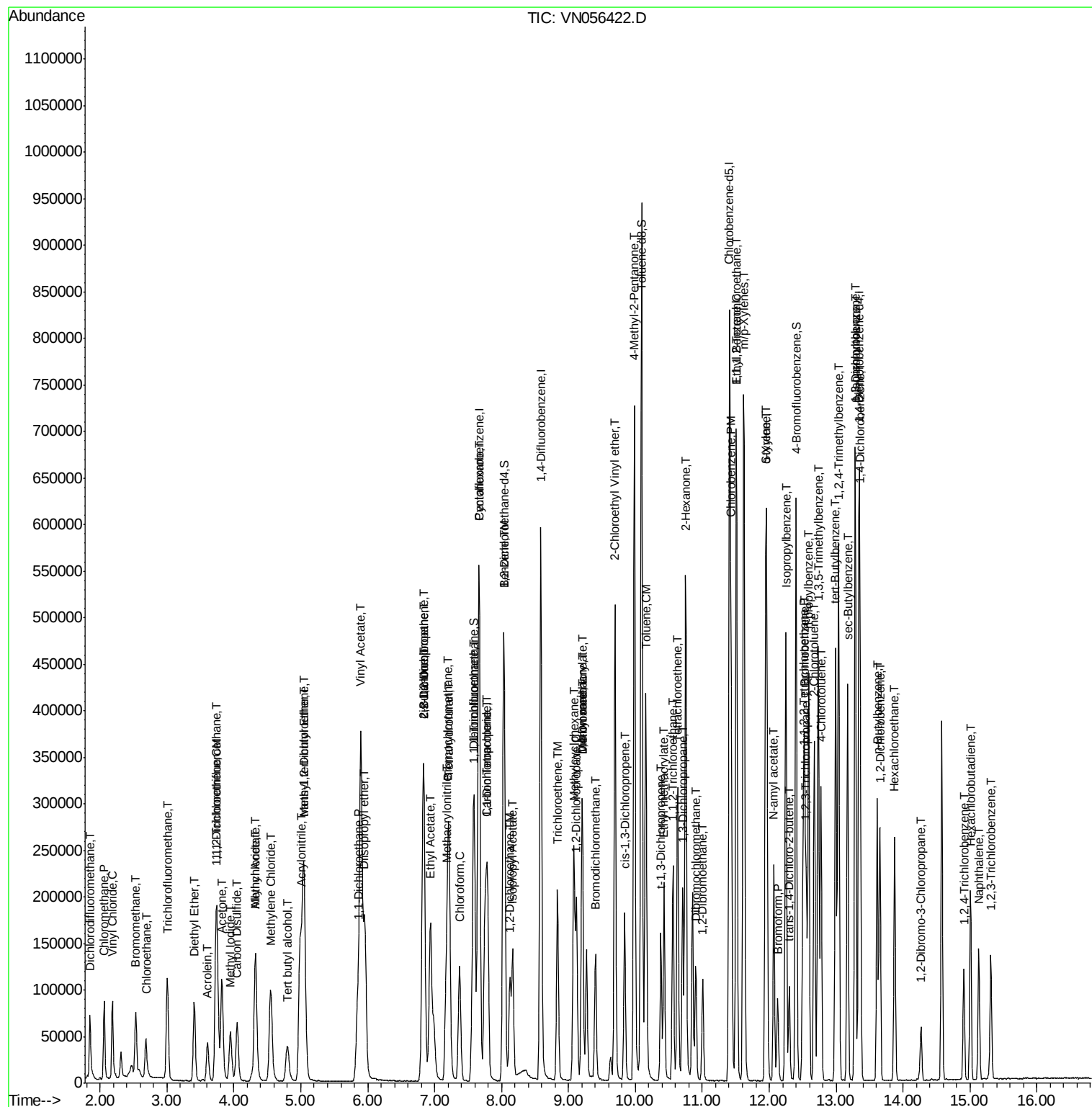
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	41868	17.391	ug/l	97
94) Hexachlorobutadiene	15.01	225	45239	20.935	ug/l	98
95) Naphthalene	15.13	128	122769	18.568	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	50537	18.550	ug/l	99

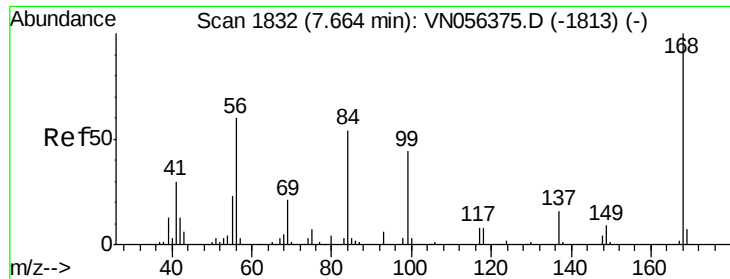
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062119\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

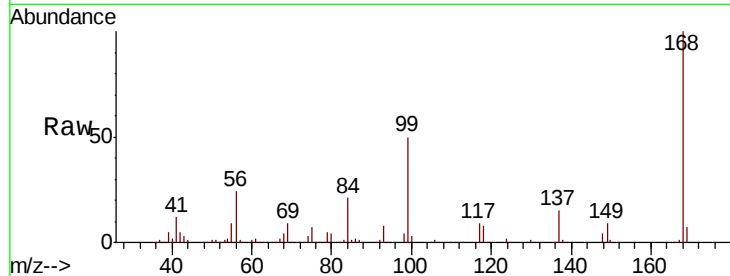
VN0621MBS01

Tot Ion:168 Resp: 367500

Ion Ratio Lower Upper

168 100

99 48.9 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

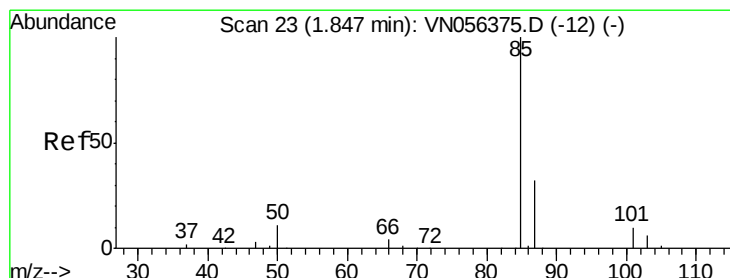
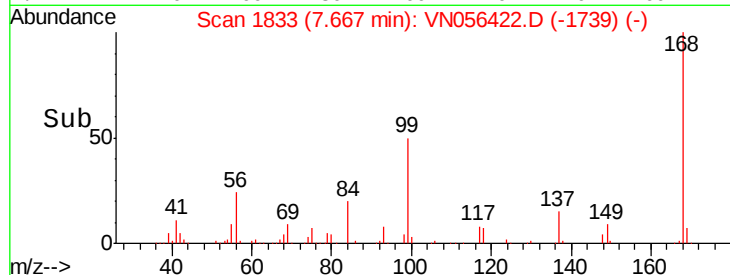
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.455 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN056422.D

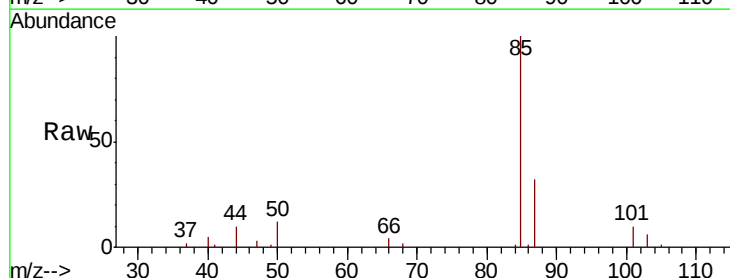
Acq: 21 Jun 2019 13:42

Tgt Ion: 85 Resp: 63651

Ion Ratio Lower Upper

85 100

87 32.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

40000

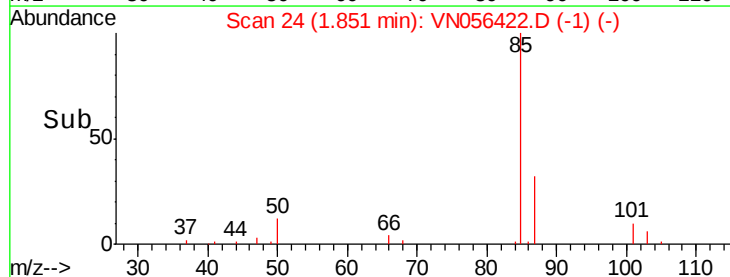
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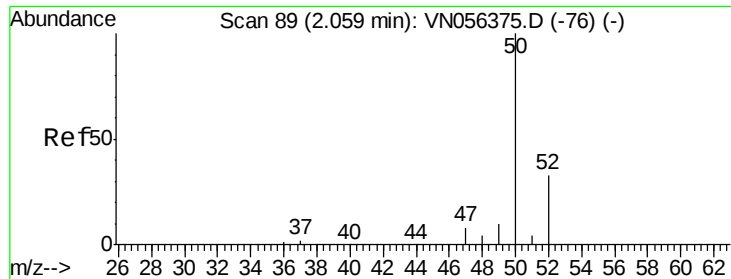
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Time-->

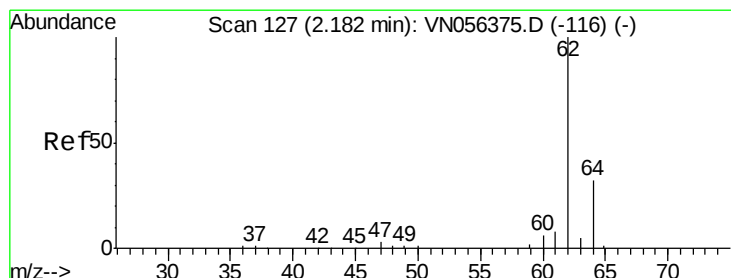
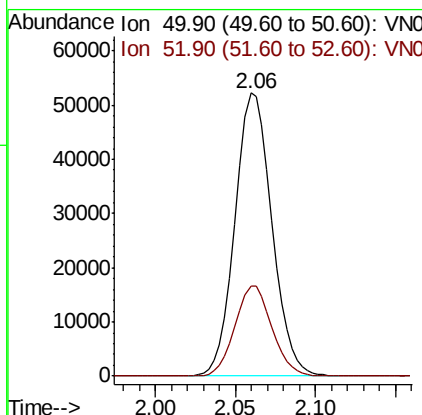
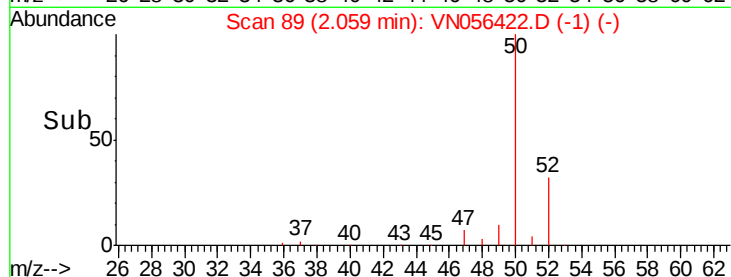
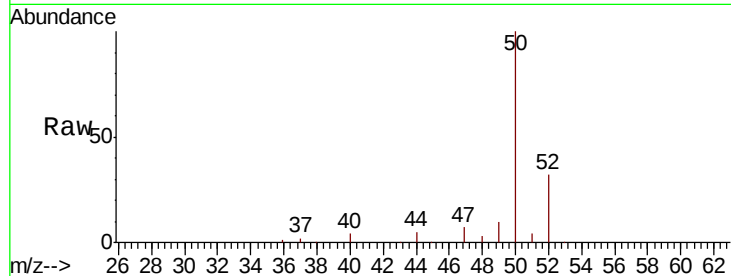




#3
 Chloromethane
 Concen: 19.353 ug/l
 RT: 2.06 min Scan# 89
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

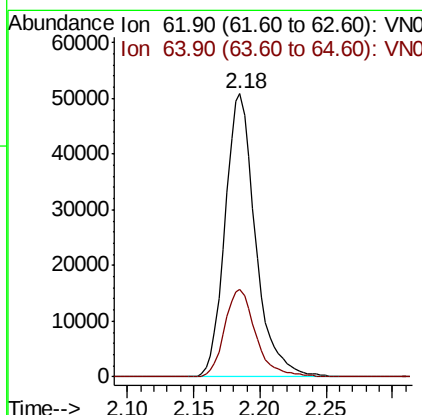
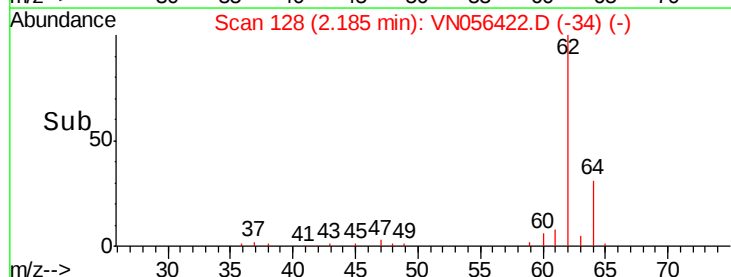
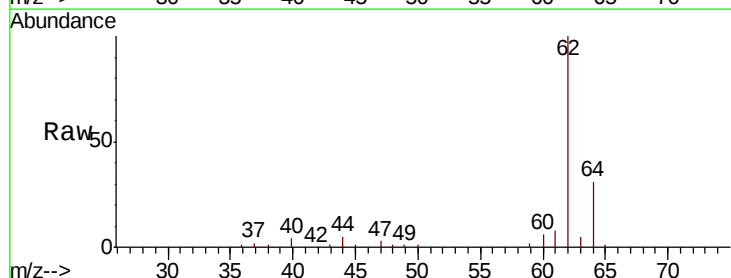
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion: 50 Resp: 82000
 Ion Ratio Lower Upper
 50 100
 52 32.0 26.5 39.7



#4
 Vinyl Chloride
 Concen: 19.766 ug/l
 RT: 2.18 min Scan# 128
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Tgt Ion: 62 Resp: 80891
 Ion Ratio Lower Upper
 62 100
 64 31.1 25.7 38.5

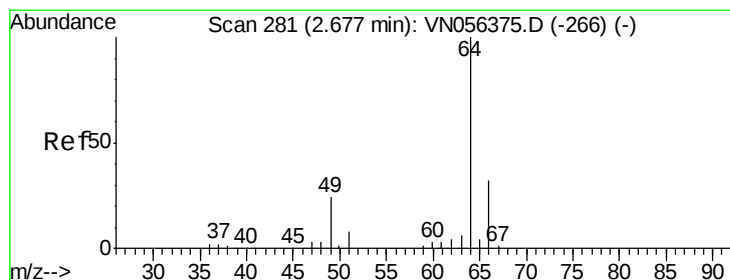
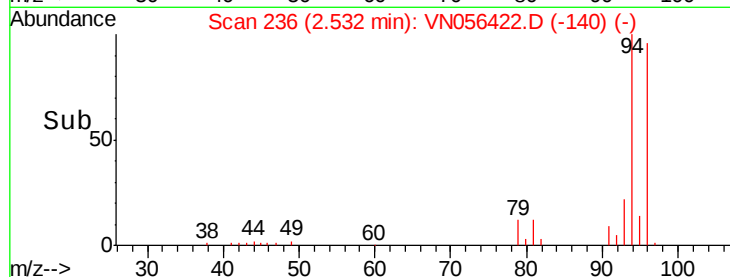
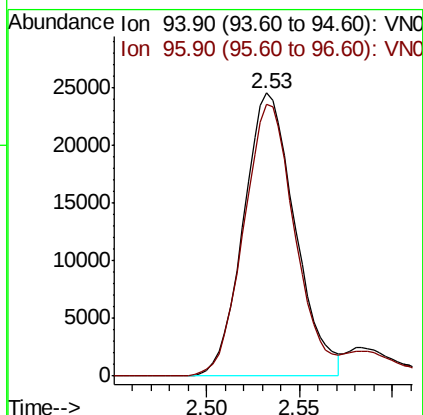
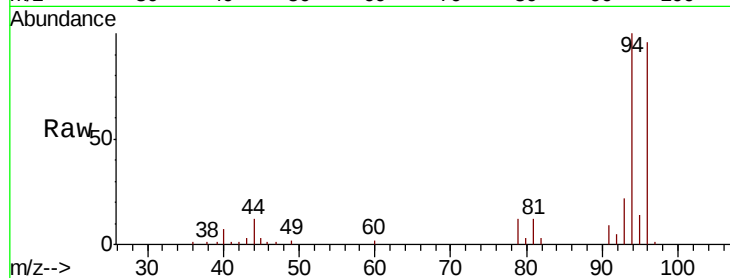




#5
Bromomethane
Concen: 19.804 ug/l
RT: 2.53 min Scan# 236
Delta R.T. 0.01 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

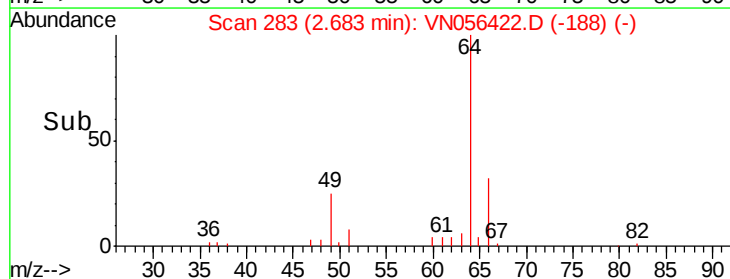
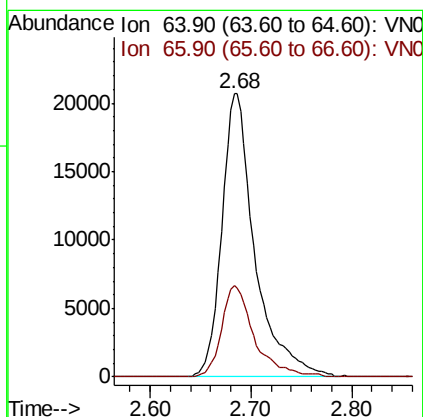
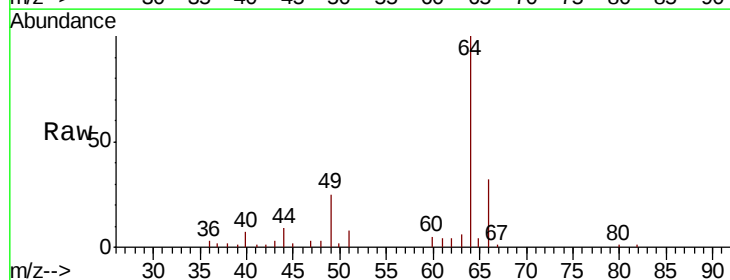
Instrument :
MSVOA_N
ClientSampled :
VN0621MBS01

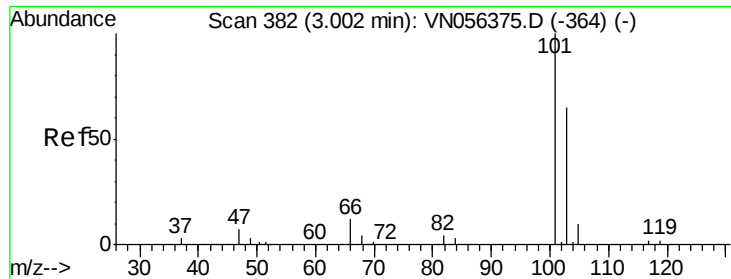
Tot Ion: 94 Resp: 47512
Ion Ratio Lower Upper
94 100
96 95.9 76.0 114.0



#6
Chloroethane
Concen: 19.918 ug/l
RT: 2.68 min Scan# 283
Delta R.T. 0.01 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 64 Resp: 47203
Ion Ratio Lower Upper
64 100
66 32.2 25.8 38.8



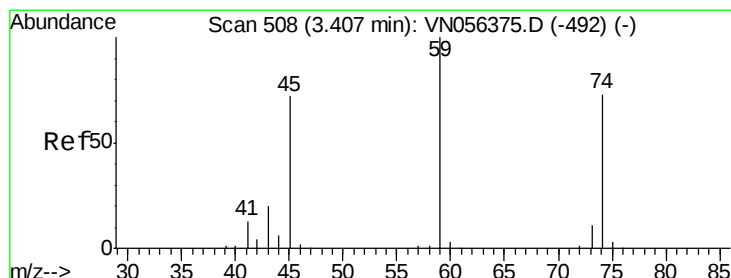
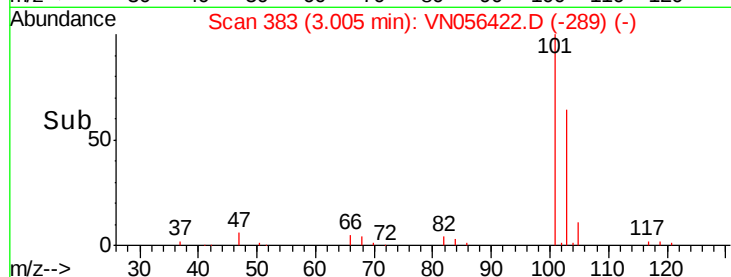
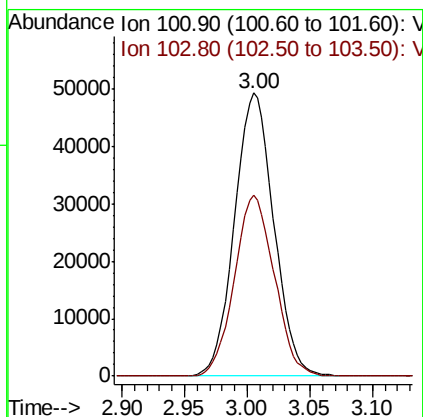
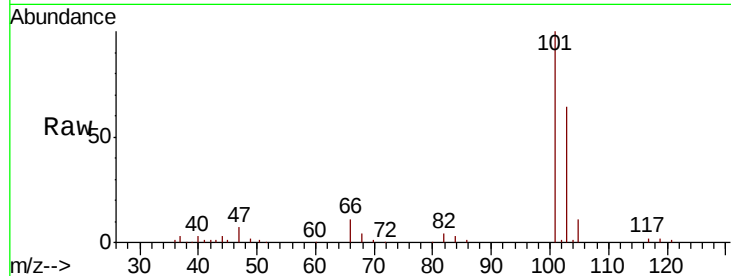


#7

Trichlorofluoromethane
Concen: 20.274 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampled :
VN0621MBS01

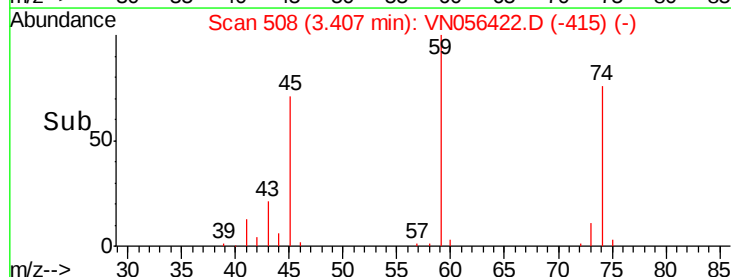
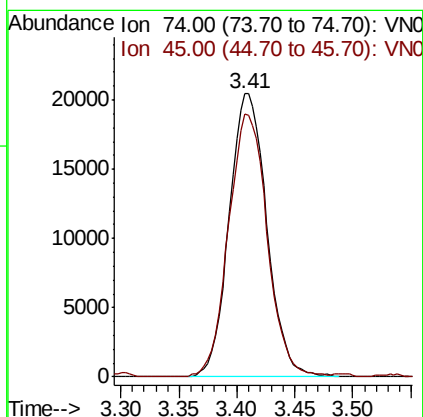
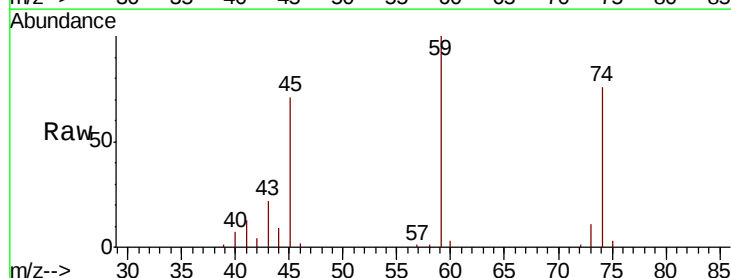
Tot Ion:101 Resp: 107326
Ion Ratio Lower Upper
101 100
103 63.8 51.7 77.5

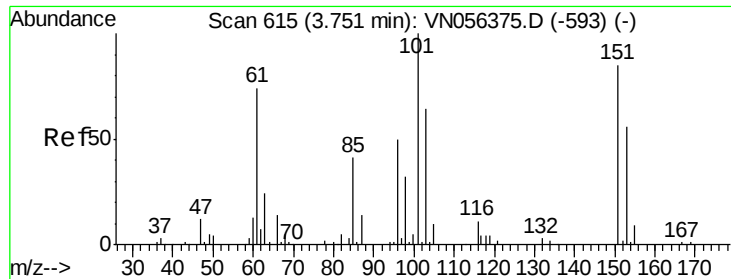


#8

Diethyl Ether
Concen: 20.628 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 74 Resp: 46214
Ion Ratio Lower Upper
74 100
45 95.6 48.9 146.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.978 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

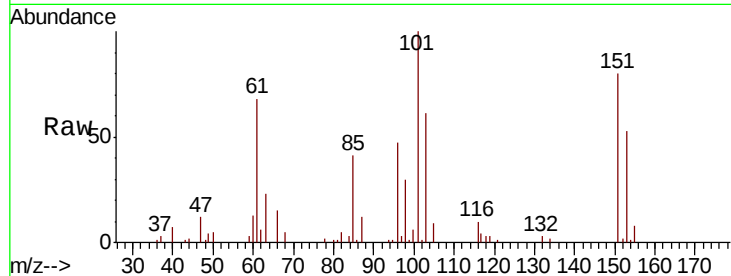
Tot Ion:101 Resp: 67442

Ion Ratio Lower Upper

101 100

85 41.1 32.7 49.1

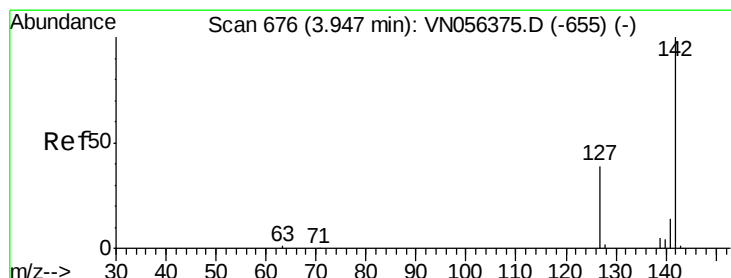
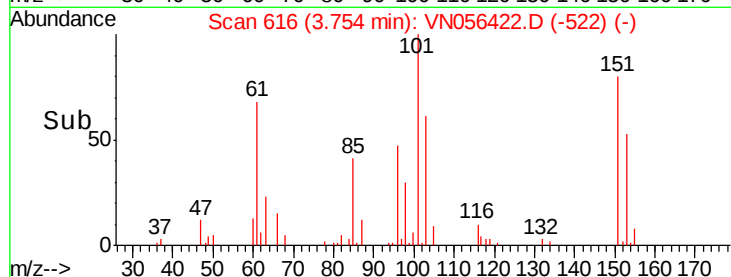
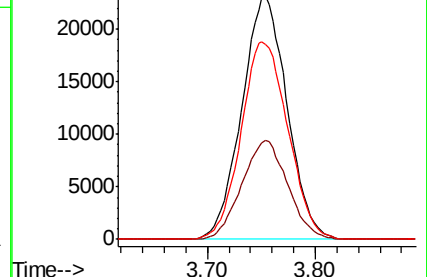
151 84.0 66.8 100.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.782 ug/l

RT: 3.95 min Scan# 676

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

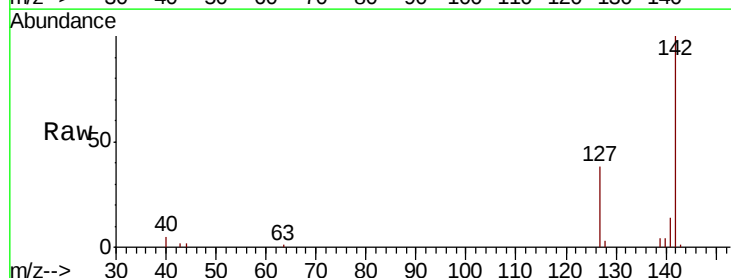
Tgt Ion:142 Resp: 90260

Ion Ratio Lower Upper

142 100

127 38.5 30.6 46.0

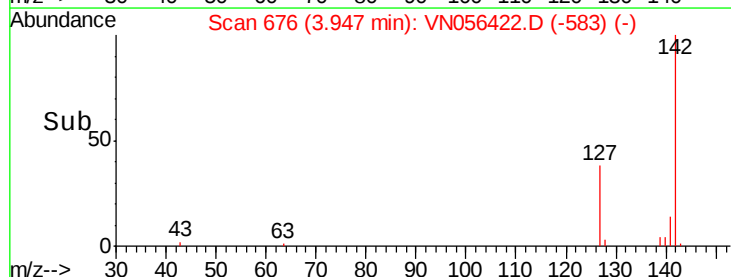
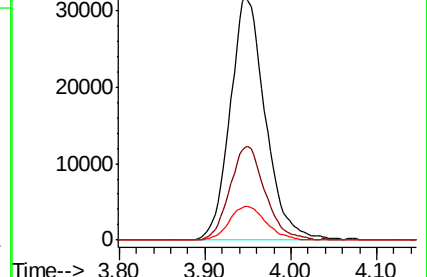
141 14.6 11.4 17.2

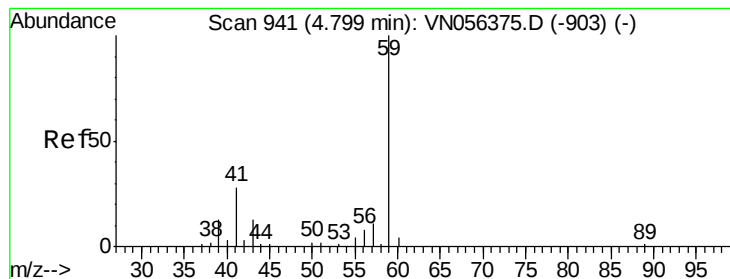


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 98.457 ug/l

RT: 4.80 min Scan# 941

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

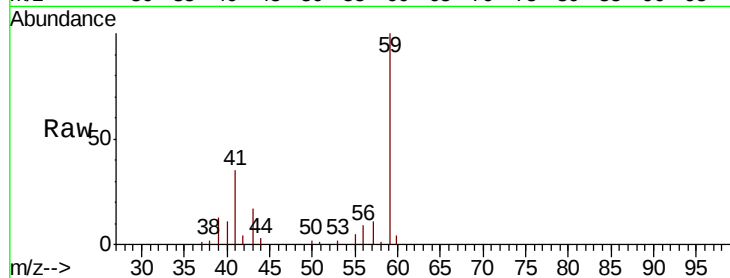
VN0621MBS01

Tot Ion: 59 Resp: 67542

Ion Ratio Lower Upper

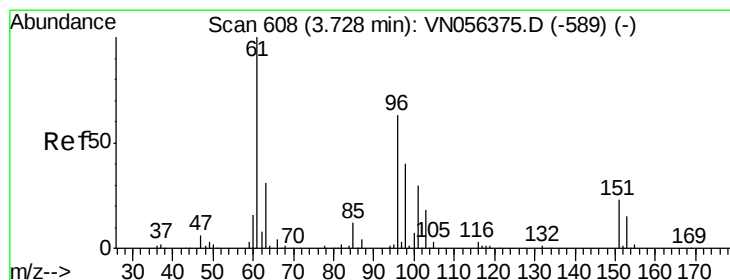
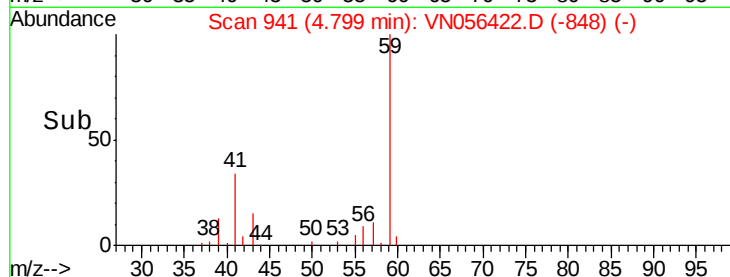
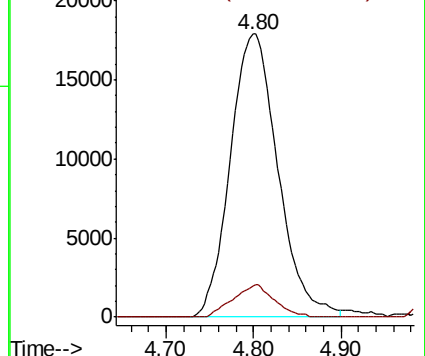
59 100

57 9.9 7.6 11.4



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 20.208 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

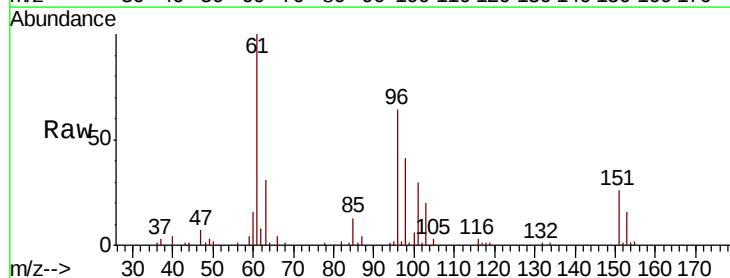
Tgt Ion: 96 Resp: 65604

Ion Ratio Lower Upper

96 100

61 155.9 126.6 190.0

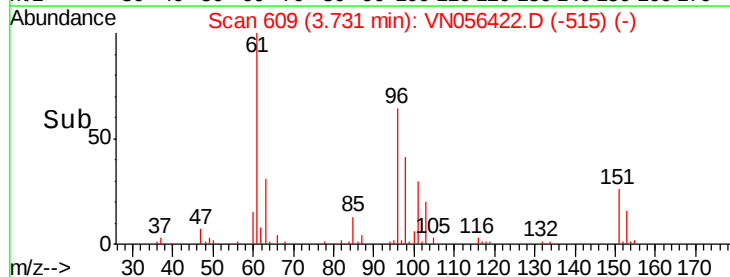
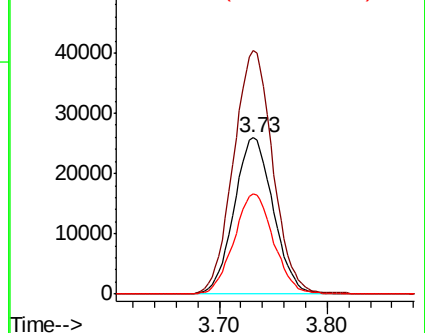
98 63.8 51.1 76.7

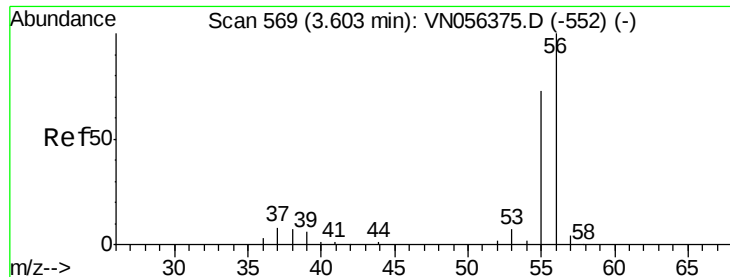


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 84.111 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

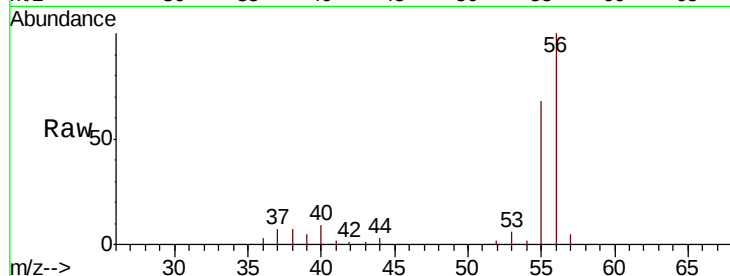
VN0621MBS01

Tot Ion: 56 Resp: 48631

Ion Ratio Lower Upper

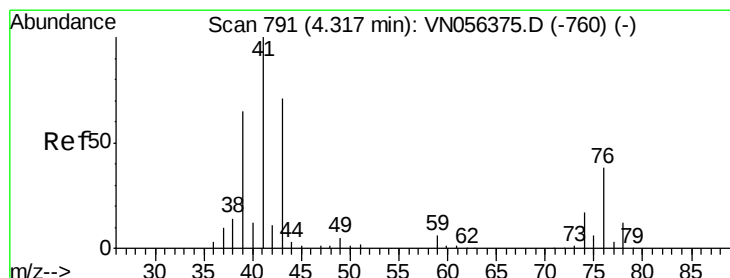
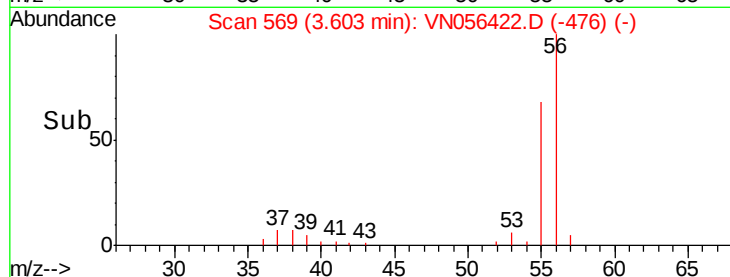
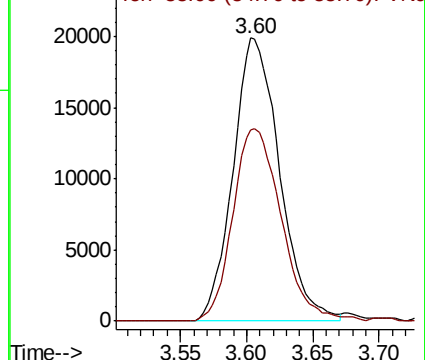
56 100

55 70.7 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 20.063 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

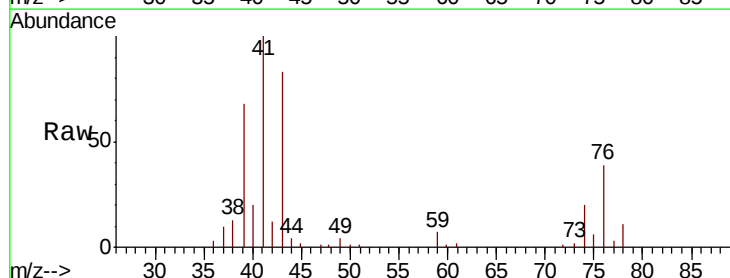
Tgt Ion: 41 Resp: 108423

Ion Ratio Lower Upper

41 100

39 61.9 48.6 73.0

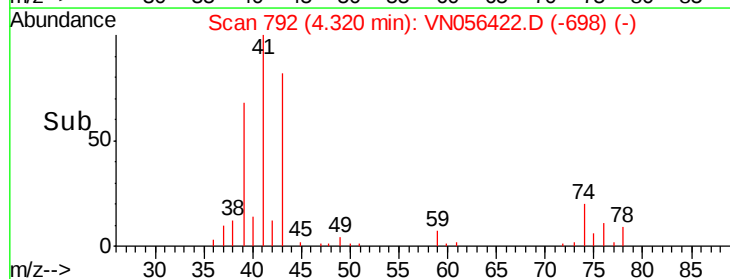
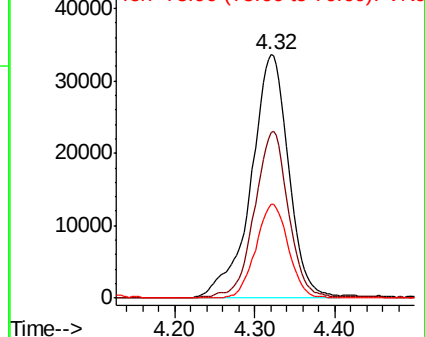
76 33.3 26.6 40.0

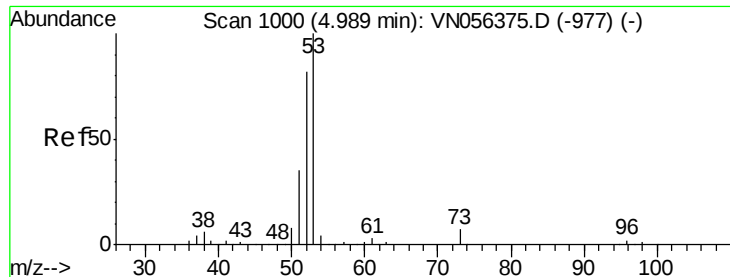


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 105.260 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

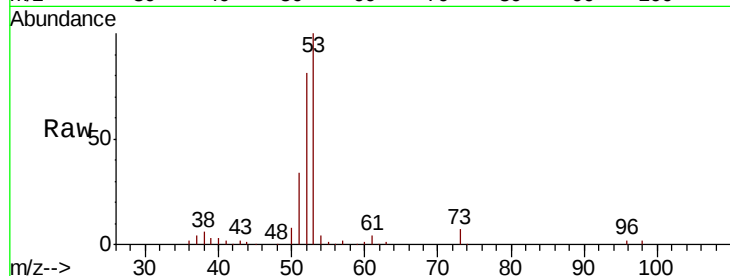
Tot Ion: 53 Resp: 199765

Ion Ratio Lower Upper

53 100

52 82.7 65.9 98.9

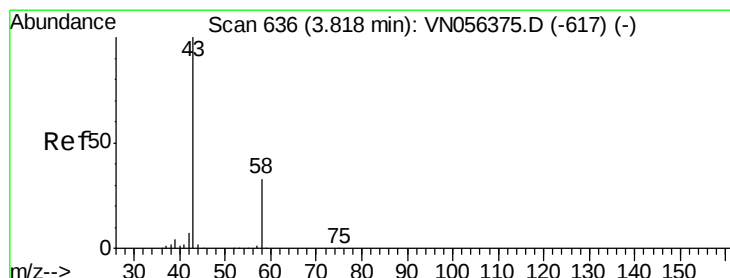
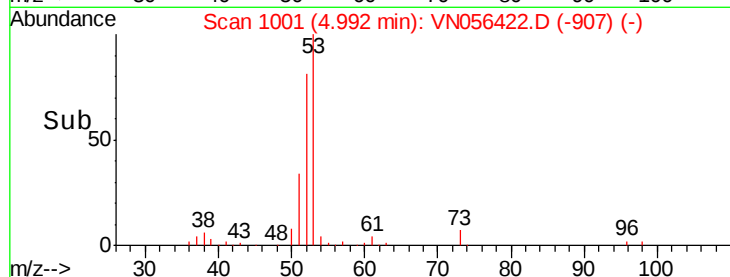
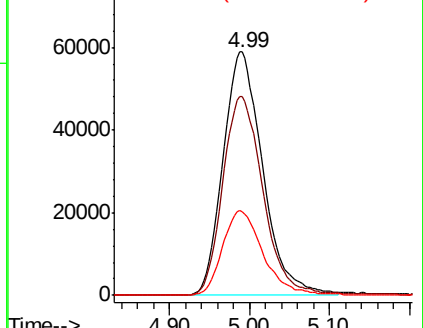
51 35.4 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 91.238 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056422.D

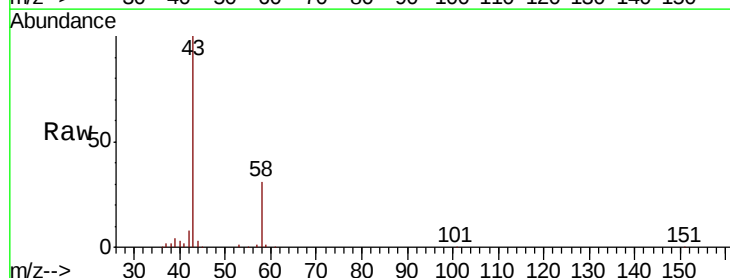
Acq: 21 Jun 2019 13:42

Tgt Ion: 43 Resp: 186184

Ion Ratio Lower Upper

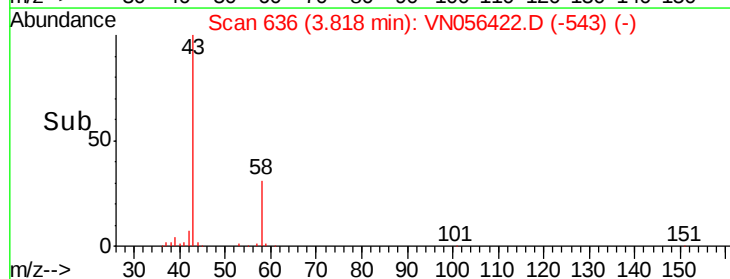
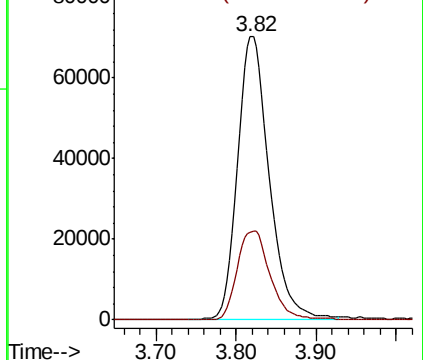
43 100

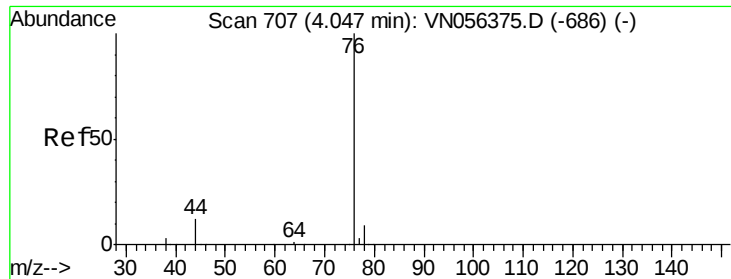
58 30.5 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

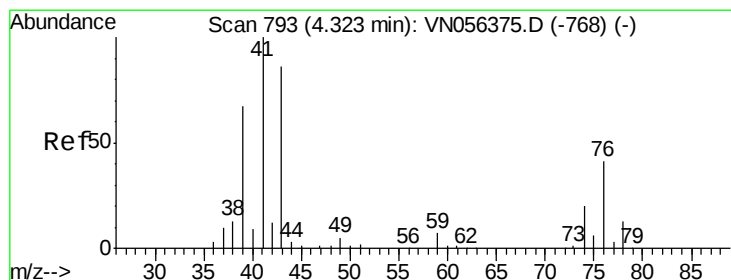
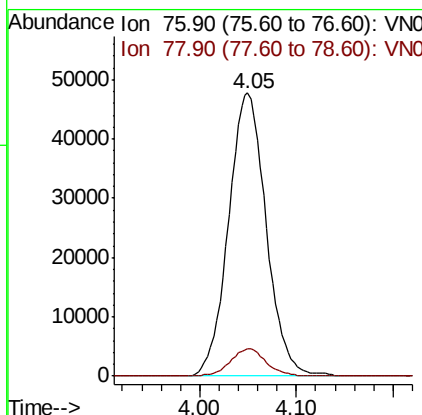
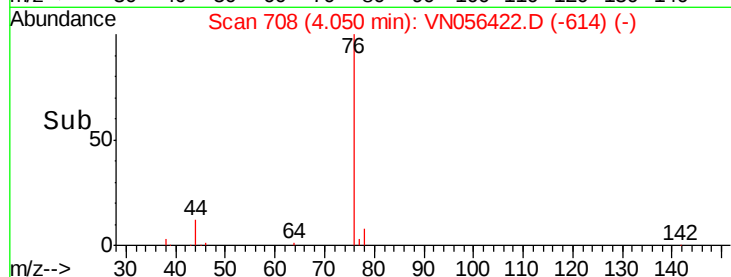
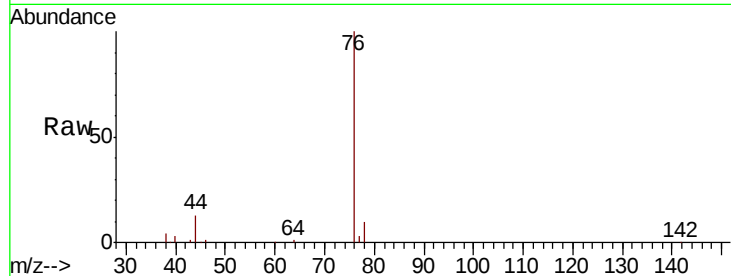




#17
Carbon Disulfide
Concen: 17.474 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

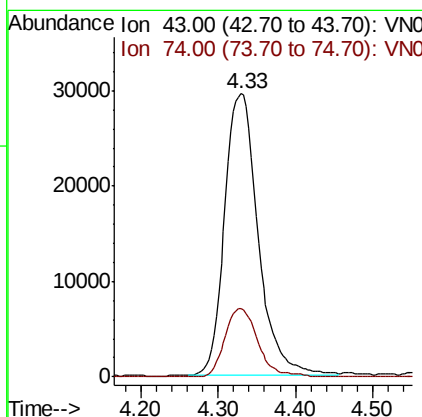
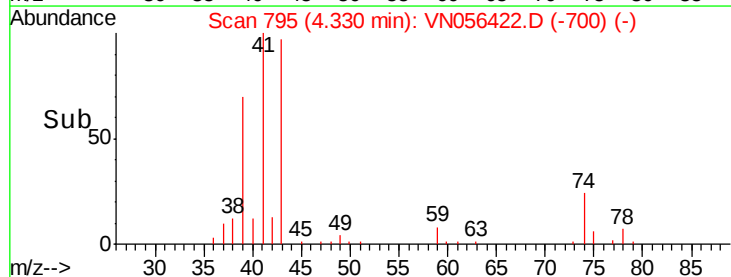
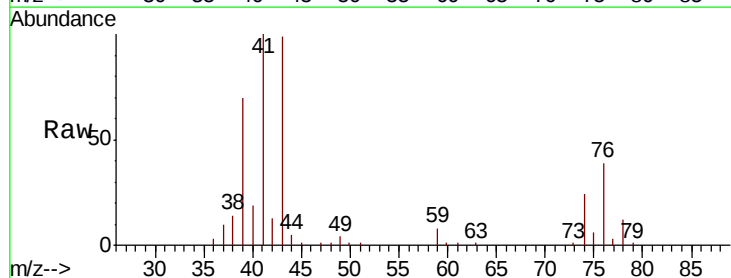
Instrument :
MSVOA_N
ClientSampled :
VN0621MBS01

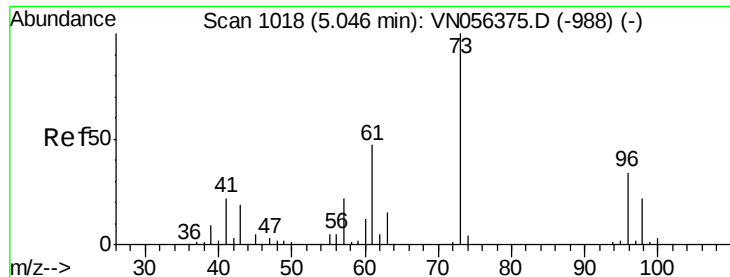
Tot Ion: 76 Resp: 129025
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#18
Methyl Acetate
Concen: 21.729 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 43 Resp: 88806
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8

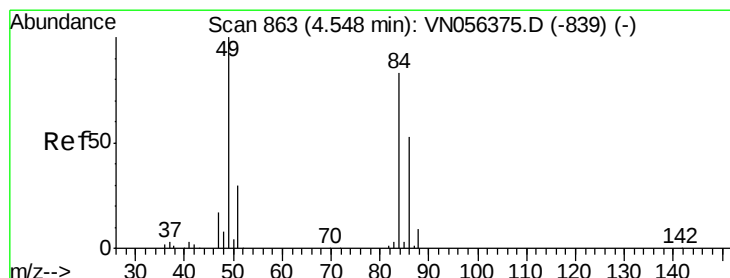
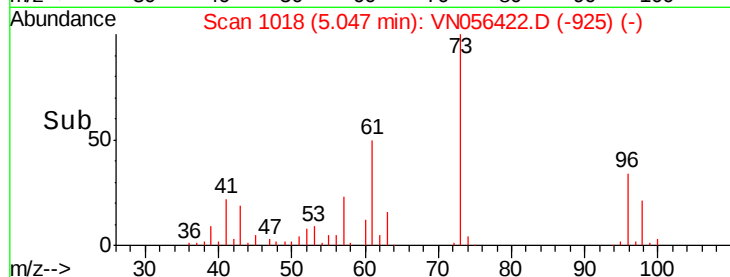
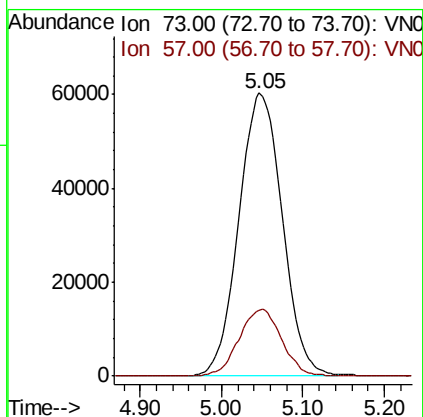
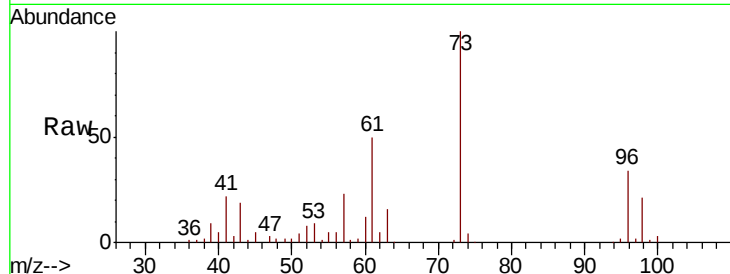




#19
Methvl tert-butvl Ether
Concen: 20.768 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

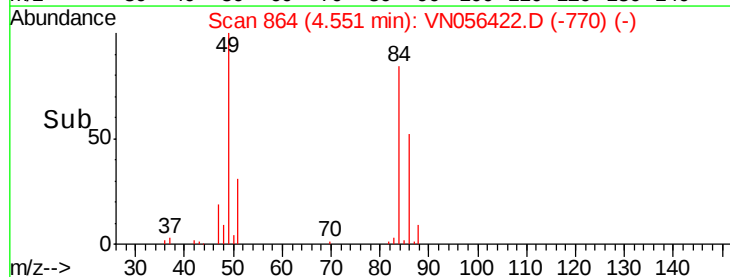
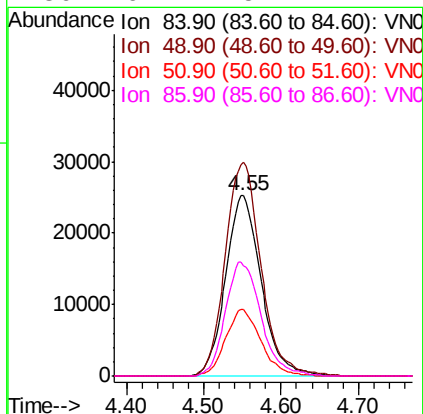
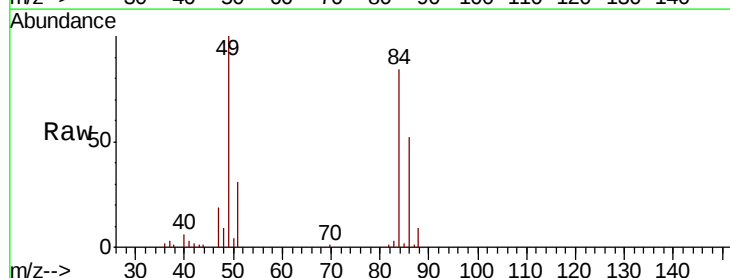
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

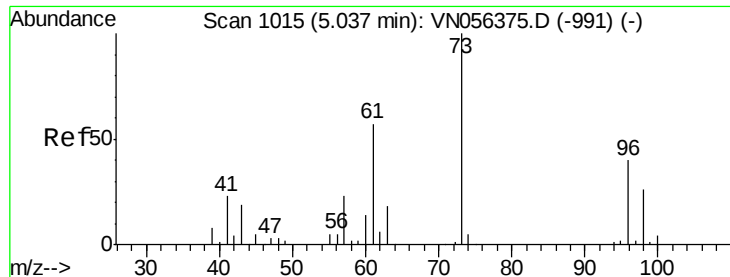
Tot Ion: 73 Resp: 223091
Ion Ratio Lower Upper
73 100
57 23.4 17.9 26.9



#20
Methylene Chloride
Concen: 20.425 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 84 Resp: 80597
Ion Ratio Lower Upper
84 100
49 118.4 96.4 144.6
51 36.8 28.6 43.0
86 61.1 51.4 77.2

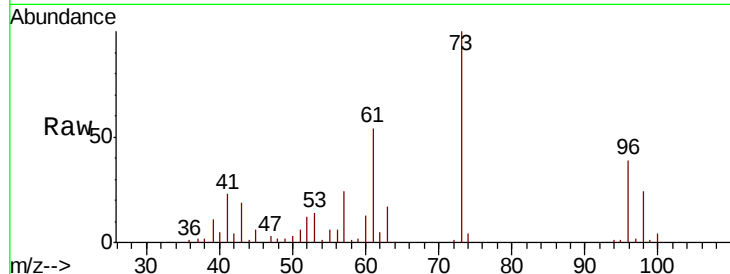




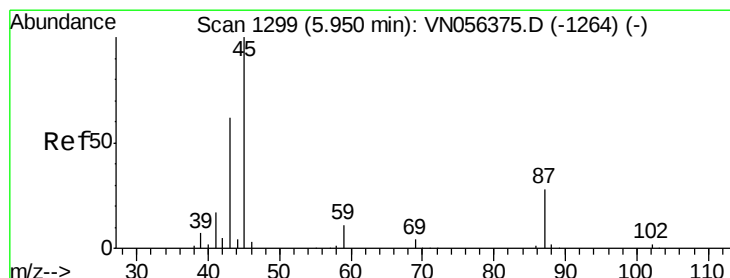
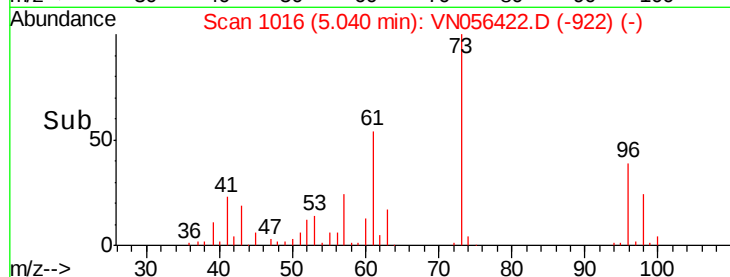
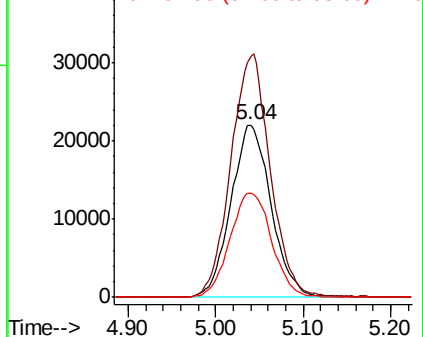
#21
trans-1,2-Dichloroethene
Concen: 20.022 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion: 96 Resp: 70078
Ion Ratio Lower Upper
96 100
61 140.1 113.0 169.6
98 60.6 52.2 78.2

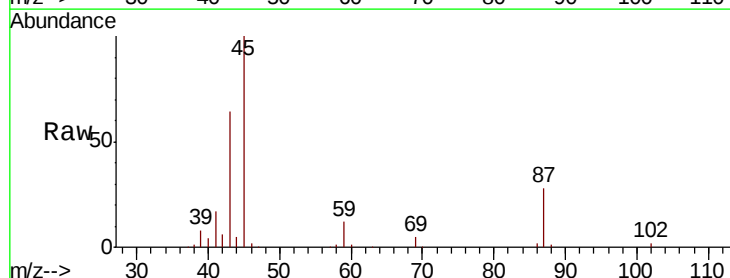


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

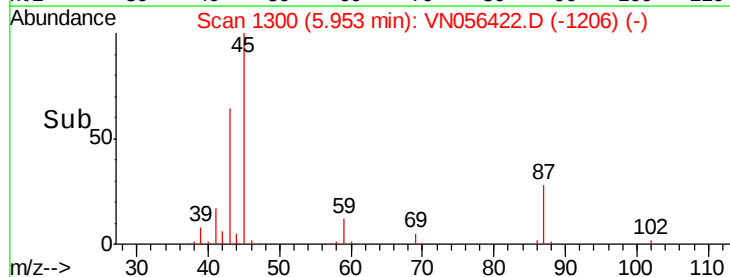
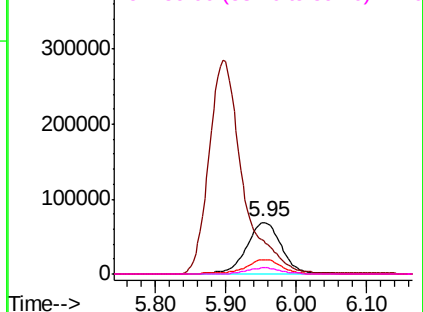


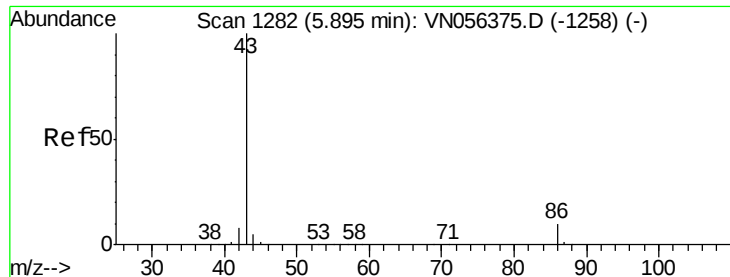
#22
Diisopropyl ether
Concen: 21.037 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 45 Resp: 238756
Ion Ratio Lower Upper
45 100
43 61.2 50.4 75.6
87 28.0 23.0 34.4
59 12.2 9.1 13.7



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

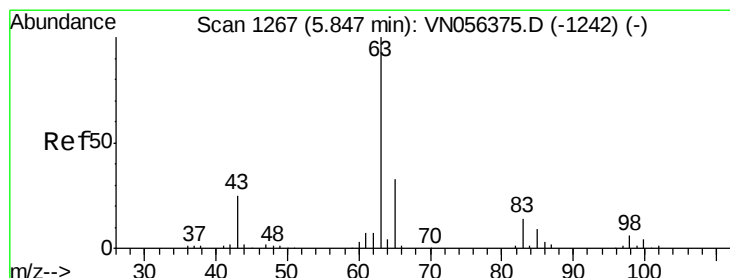
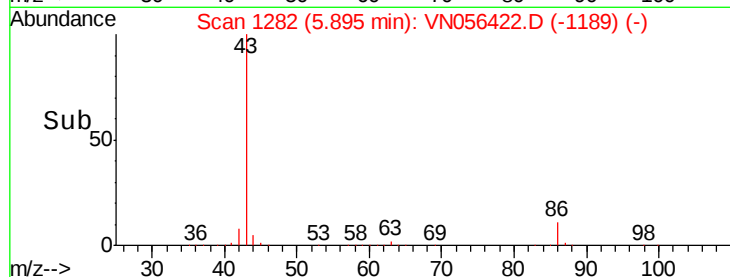
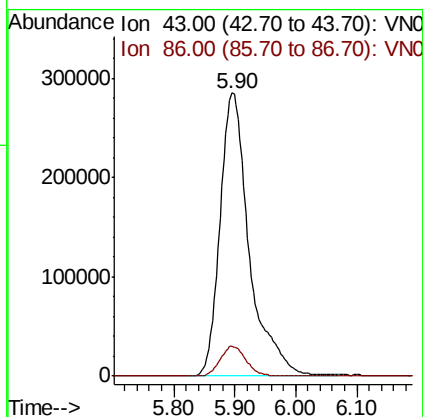
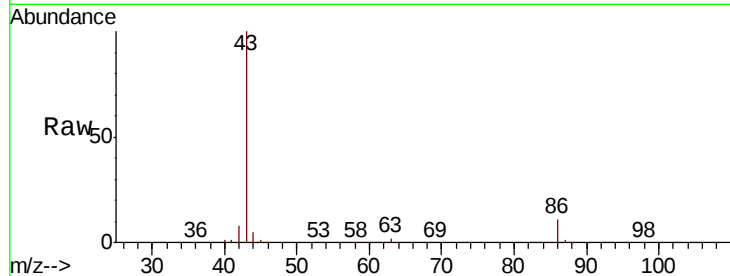




#23
 Vinyl Acetate
 Concen: 106.422 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

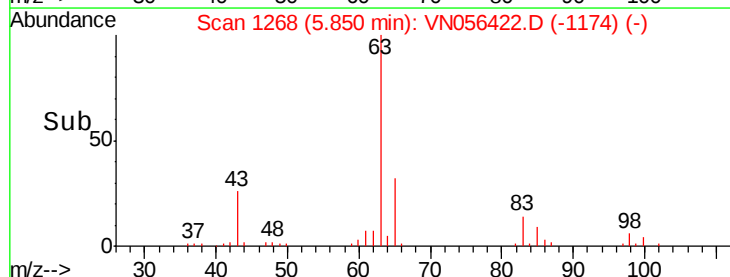
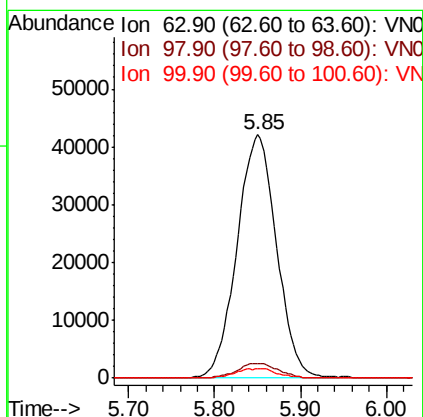
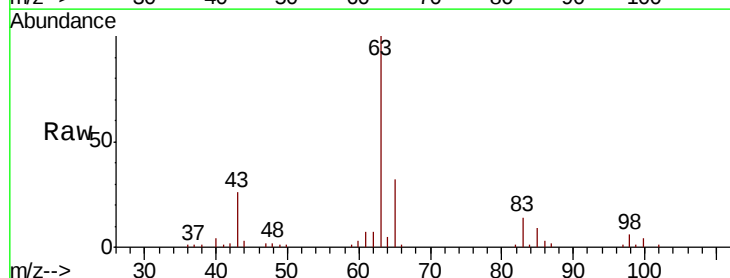
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

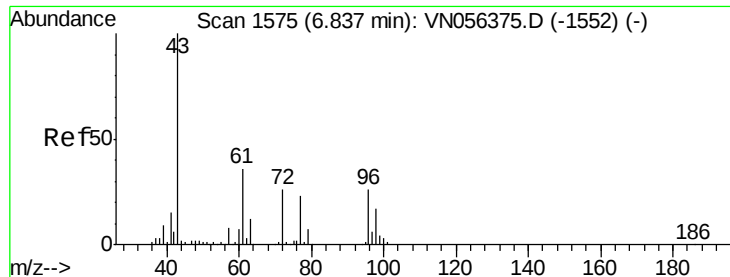
Tot Ion: 43 Resp: 952652
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.3 12.5



#24
 1,1-Dichloroethane
 Concen: 20.626 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Tgt Ion: 63 Resp: 134375
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.2 9.6
 100 4.0 2.1 6.5

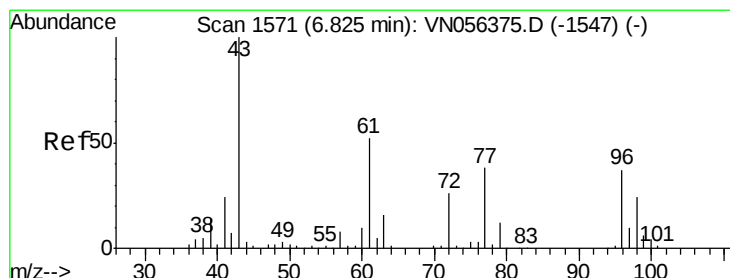
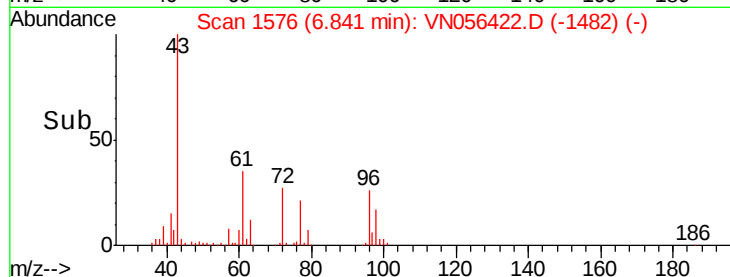
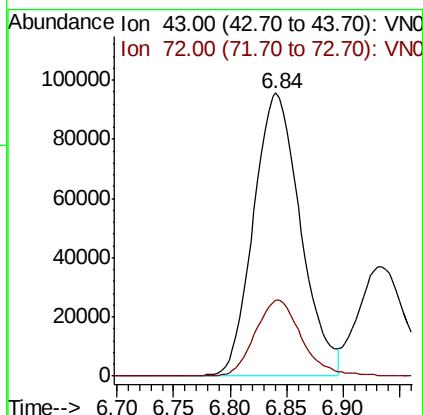
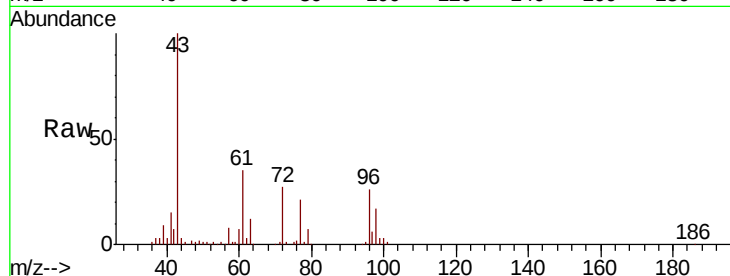




#25
2-Butanone
Concen: 101.797 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

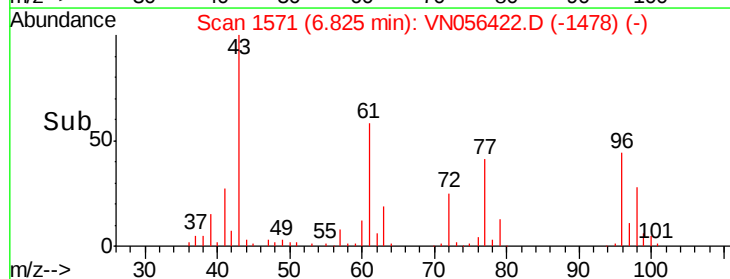
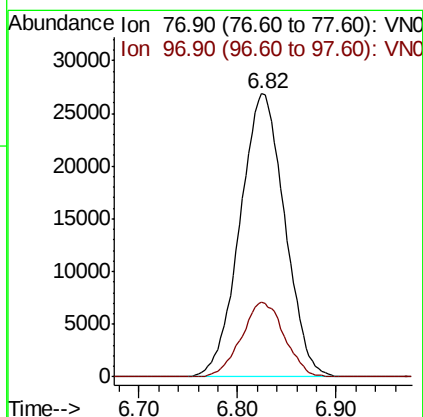
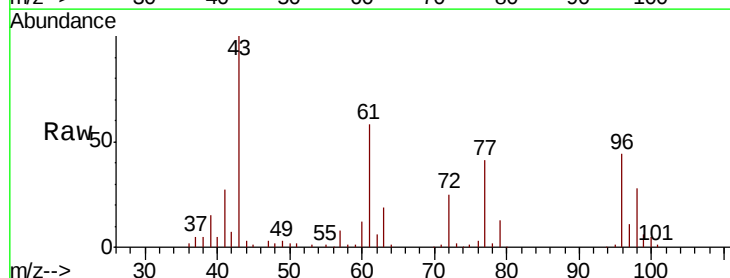
Instrument :
MSVOA_N
ClientSampled :
VN0621MBS01

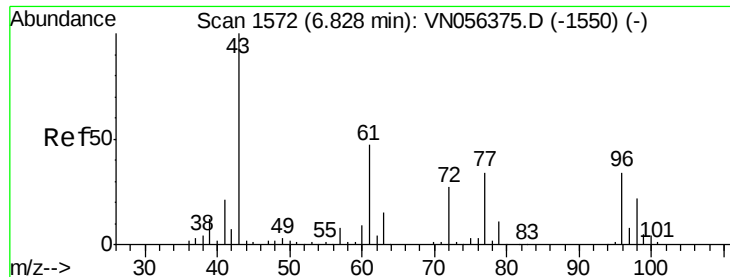
Tot Ion: 43 Resp: 274935
Ion Ratio Lower Upper
43 100
72 26.8 20.6 31.0



#26
2,2-Dichloropropane
Concen: 18.617 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 77 Resp: 84358
Ion Ratio Lower Upper
77 100
97 25.3 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 20.628 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

VN0621MBS01

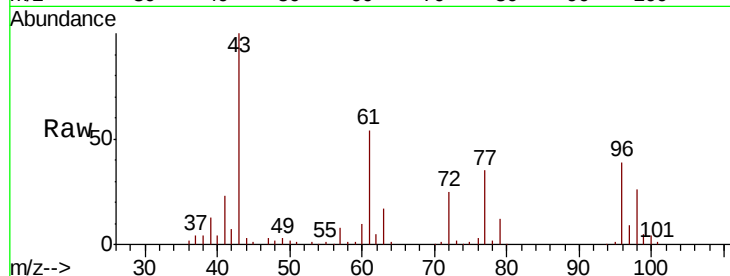
Tot Ion: 96 Resp: 84470

Ion Ratio Lower Upper

96 100

61 138.2 0.0 279.8

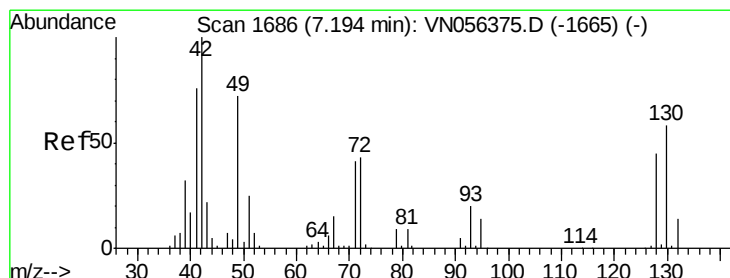
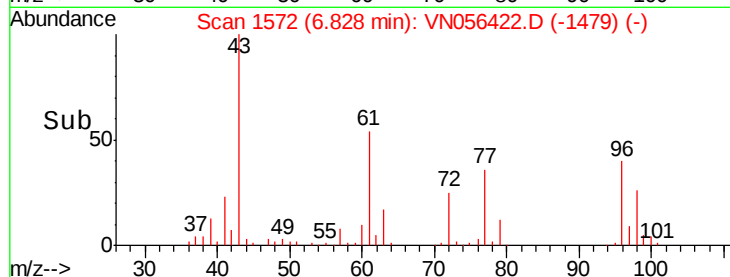
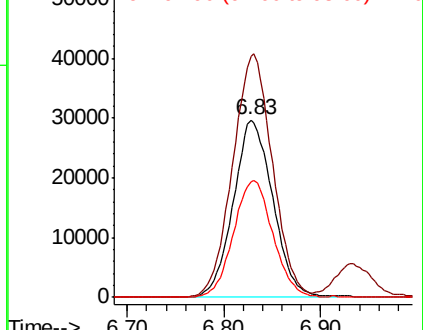
98 65.7 0.0 130.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.981 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

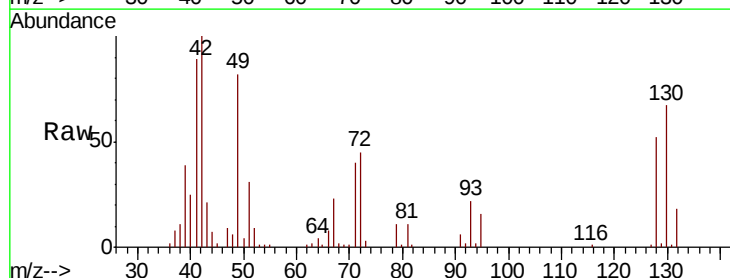
Tgt Ion: 49 Resp: 67609

Ion Ratio Lower Upper

49 100

129 1.7 0.0 4.2

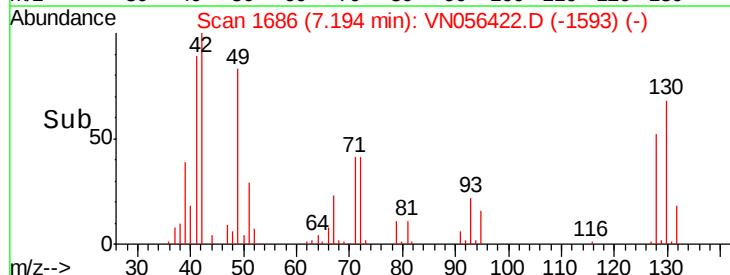
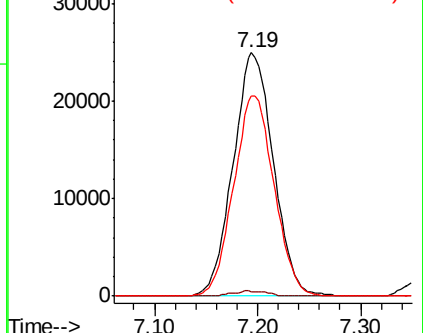
130 82.7 64.9 97.3

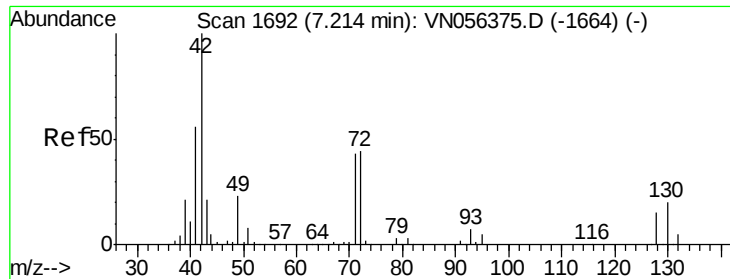


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 108.721 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

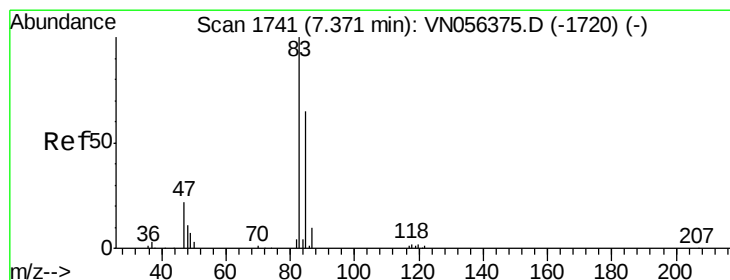
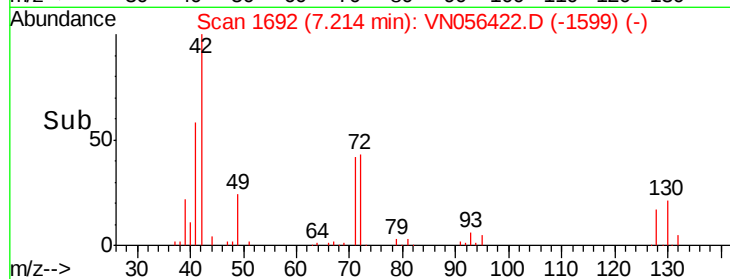
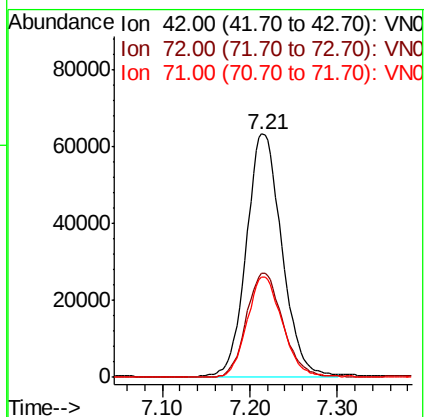
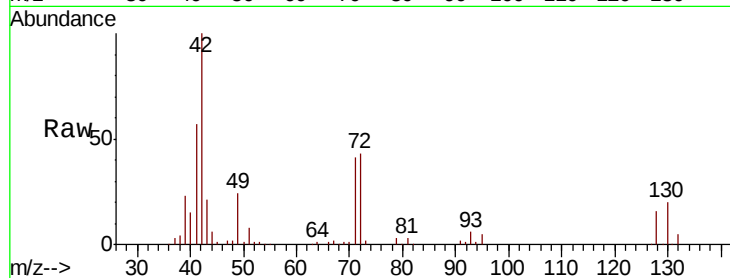
Tot Ion: 42 Resp: 179442

Ion Ratio Lower Upper

42 100

72 43.8 34.7 52.1

71 41.0 33.0 49.6



#30

Chloroform

Concen: 20.644 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN056422.D

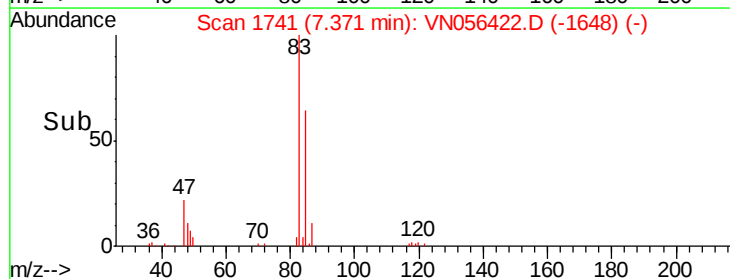
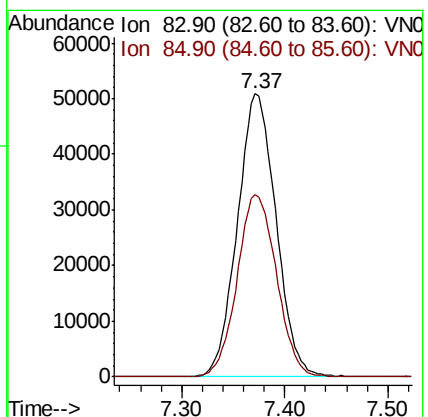
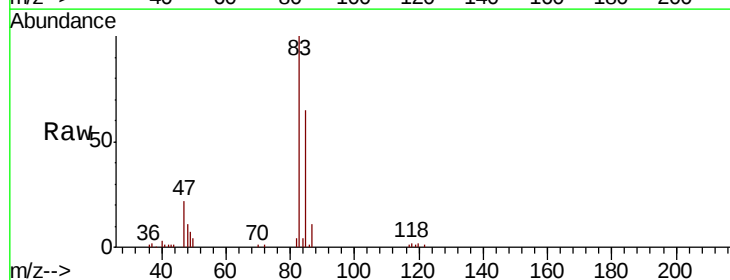
Acq: 21 Jun 2019 13:42

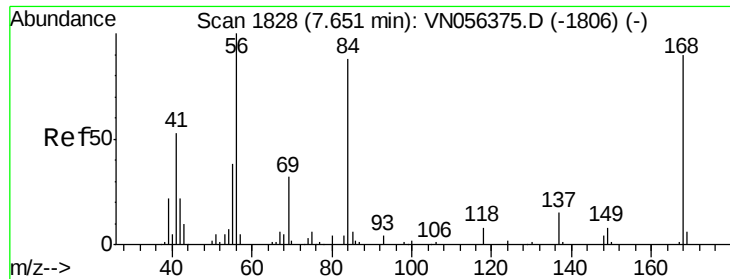
Tgt Ion: 83 Resp: 132710

Ion Ratio Lower Upper

83 100

85 64.5 52.3 78.5

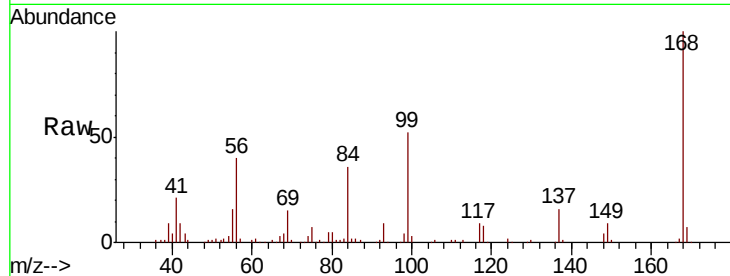




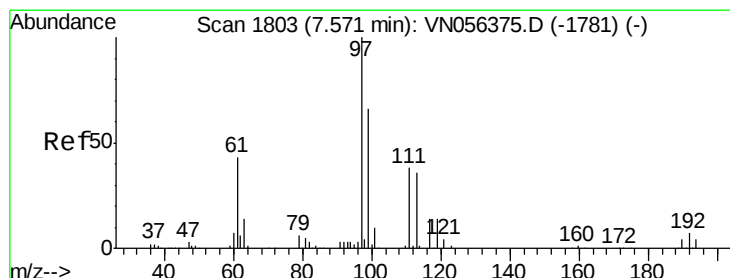
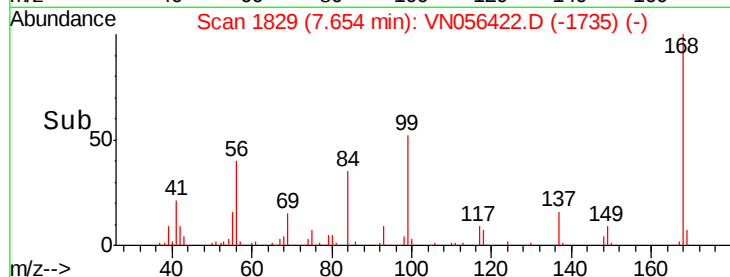
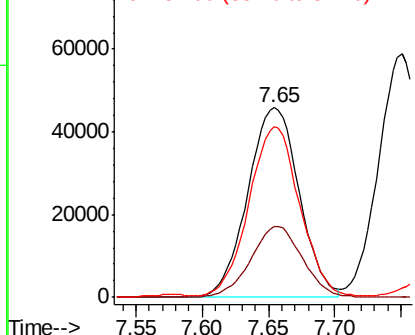
#31
Cyclohexane
Concen: 19.796 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion: 56 Resp: 124510
Ion Ratio Lower Upper
56 100
69 37.2 25.8 38.6
84 89.1 69.4 104.0

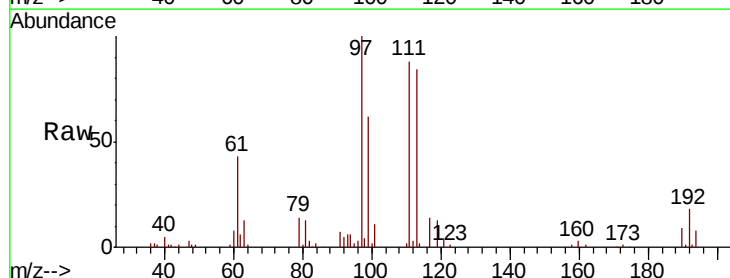


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

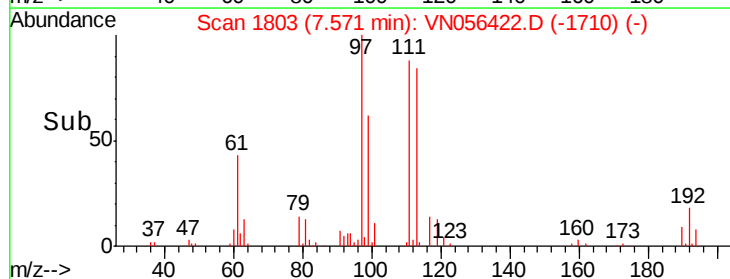
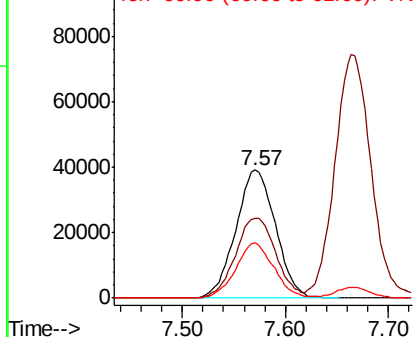


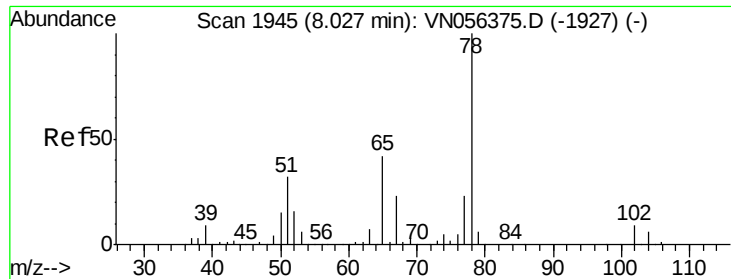
#32
1,1,1-Trichloroethane
Concen: 20.548 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 97 Resp: 104706
Ion Ratio Lower Upper
97 100
99 63.5 51.8 77.6
61 41.3 33.9 50.9



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

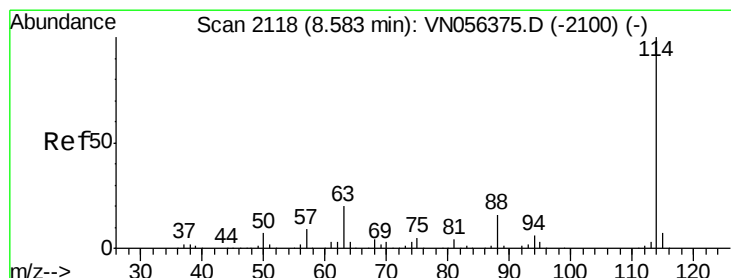
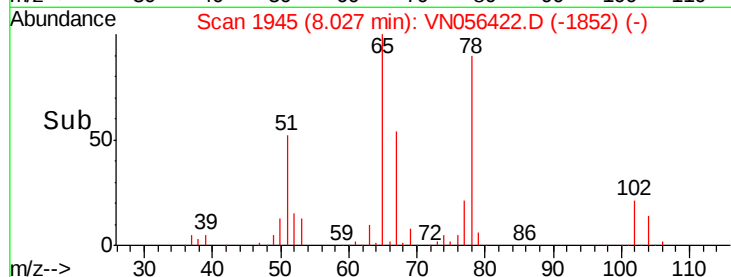
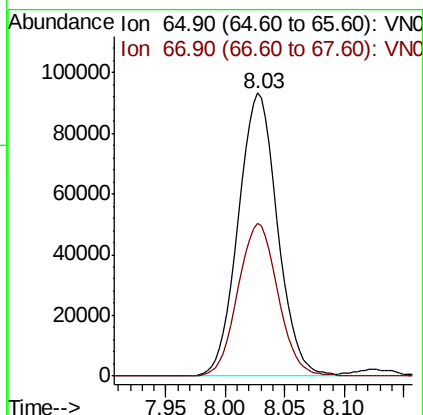
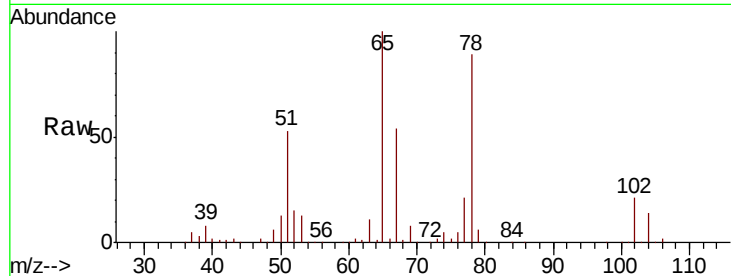




#33
 1,2-Dichloroethane-d4
 Concen: 52.420 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

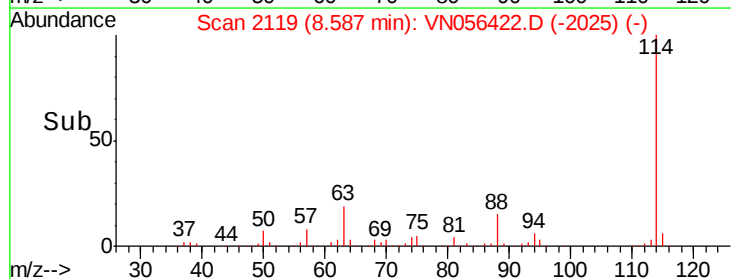
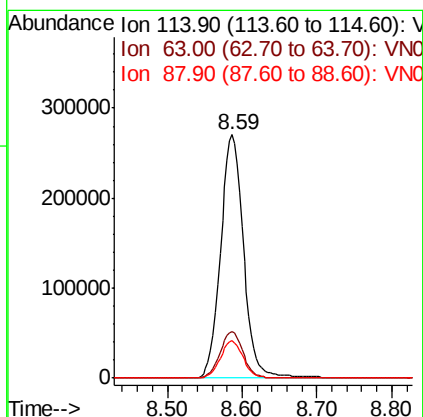
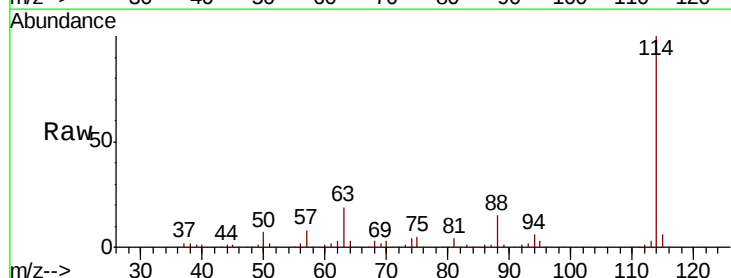
Instrument :
 MSVOA_N
 ClientSampled :
 VN0621MBS01

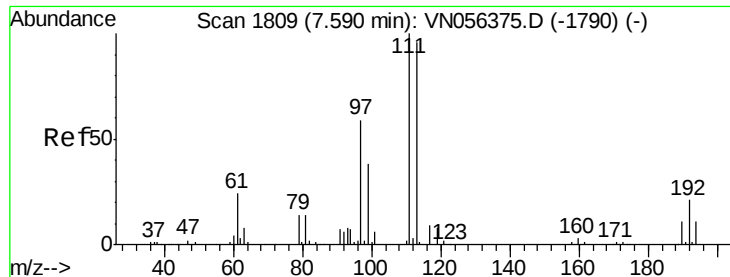
Tot Ion: 65 Resp: 213508
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Tgt Ion: 114 Resp: 575759
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.2 0.0 31.4

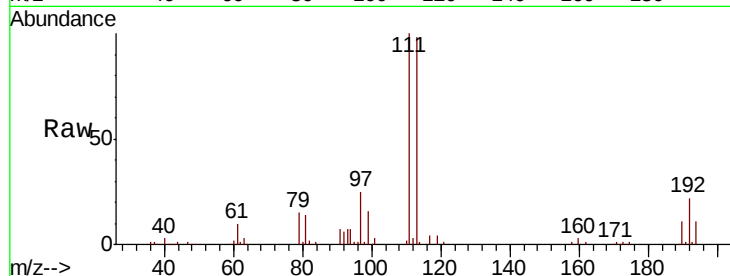




#35
 Dibromofluoromethane
 Concen: 50.809 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.9	124.3
192	22.6	17.7	26.5

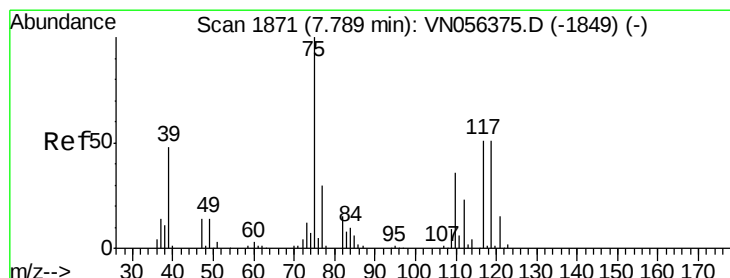
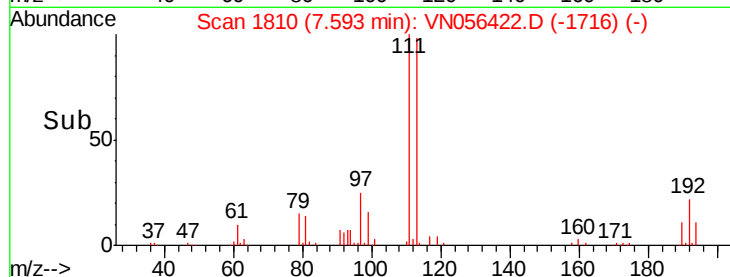
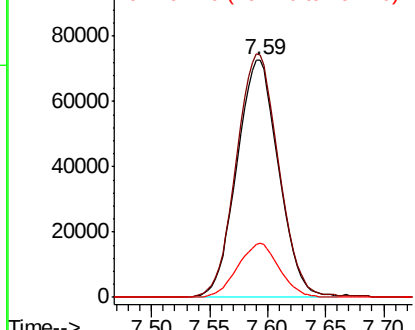


Abundance

Ion 112.80 (112.50 to 113.50): V

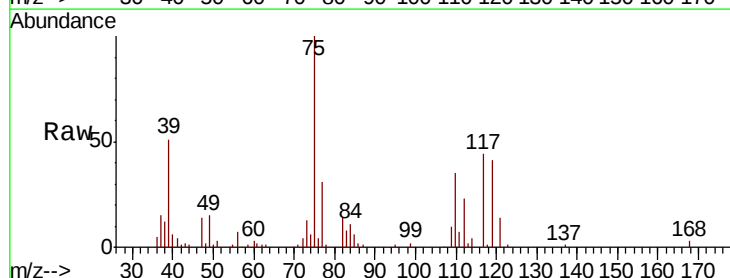
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 18.828 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	18.1	54.3
77	31.6	24.6	36.8

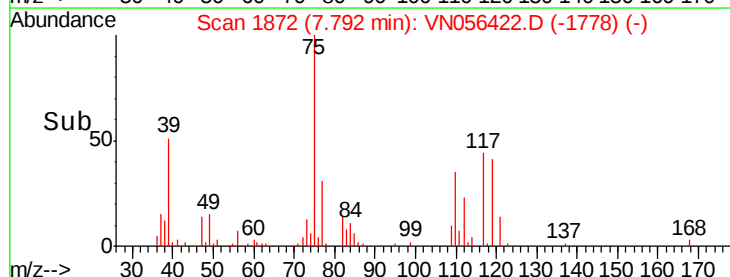
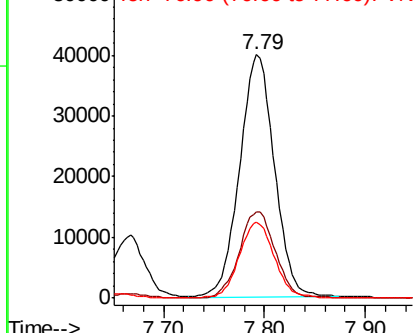


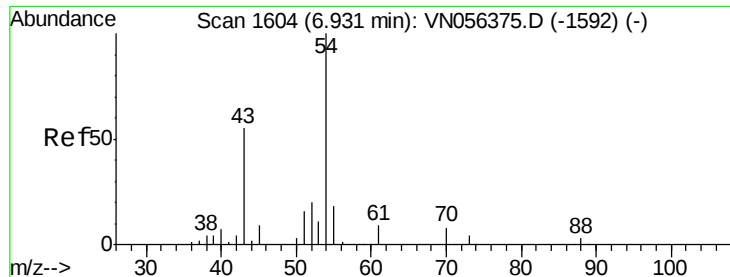
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

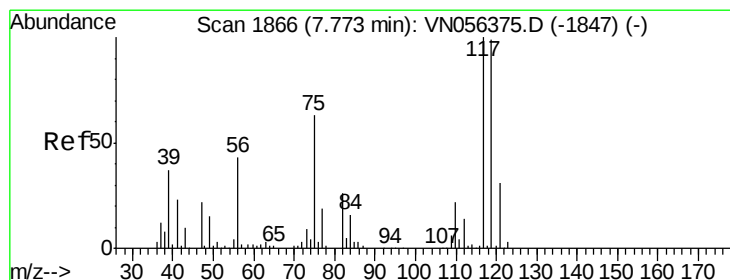
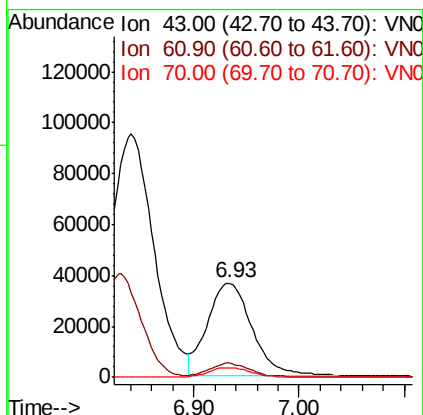
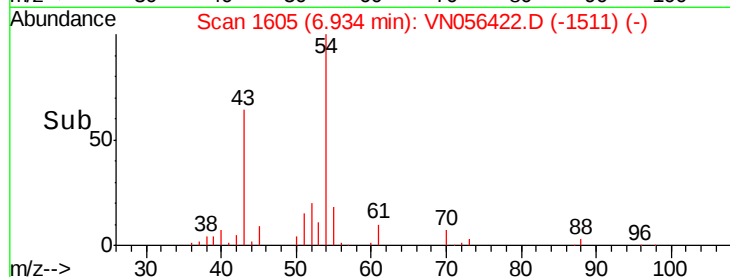
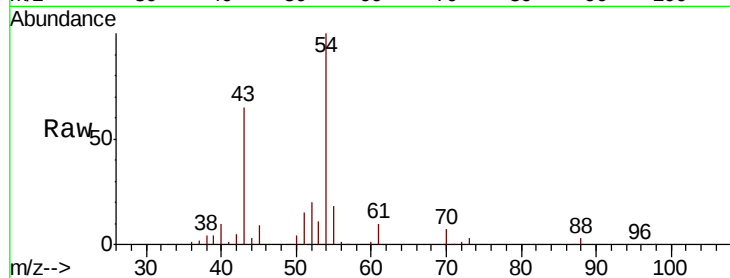




#37
Ethyl Acetate
Concen: 21.456 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

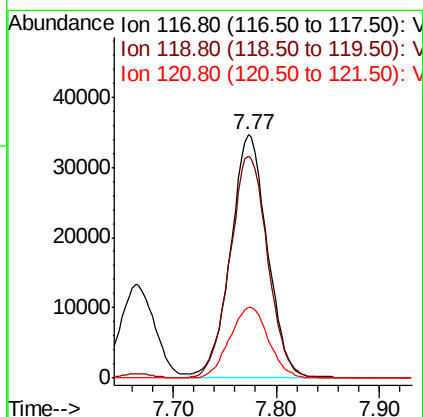
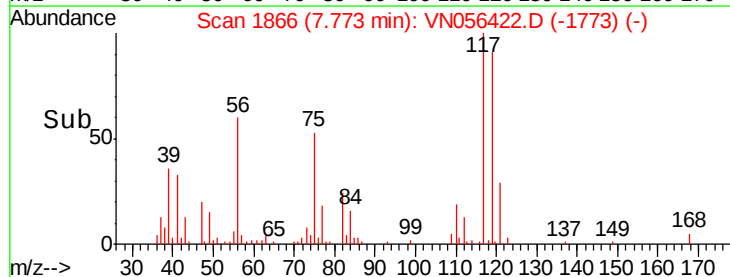
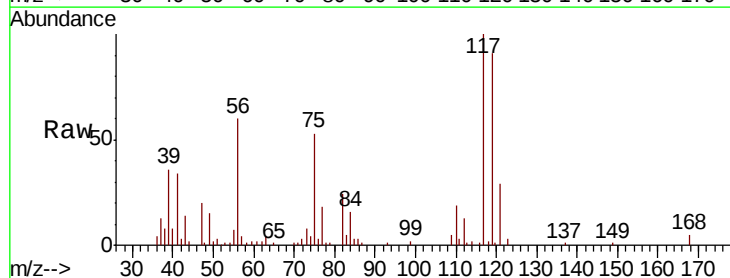
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

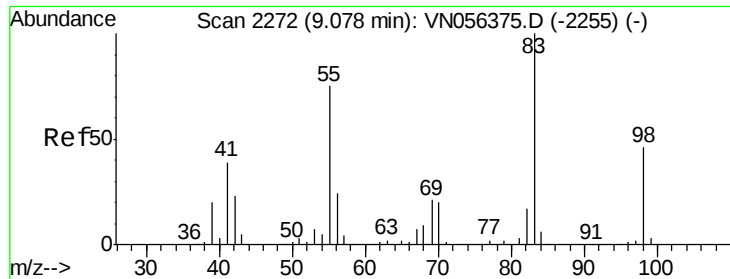
Tot Ion: 43 Resp: 106858
Ion Ratio Lower Upper
43 100
61 14.6 11.1 16.7
70 10.1 8.3 12.5



#38
Carbon Tetrachloride
Concen: 19.397 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 117 Resp: 85961
Ion Ratio Lower Upper
117 100
119 91.2 79.1 118.7
121 29.1 24.8 37.2

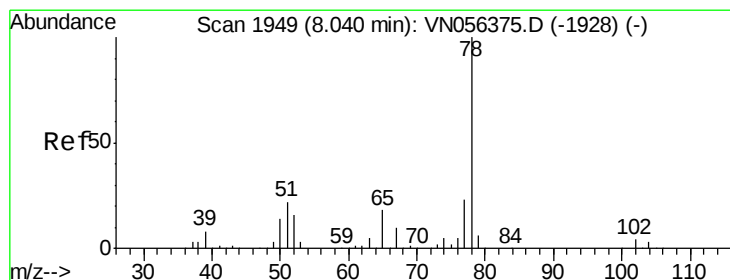
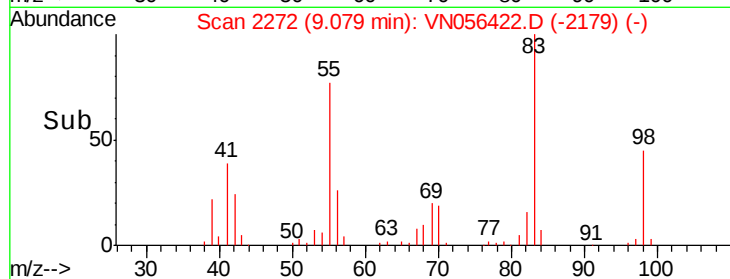
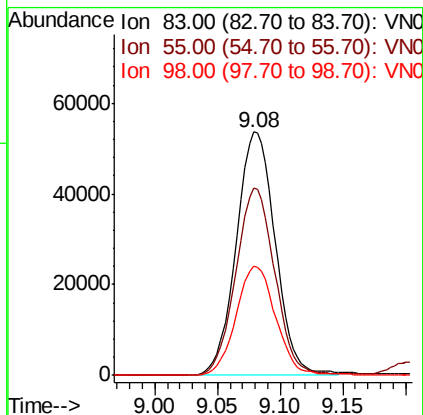
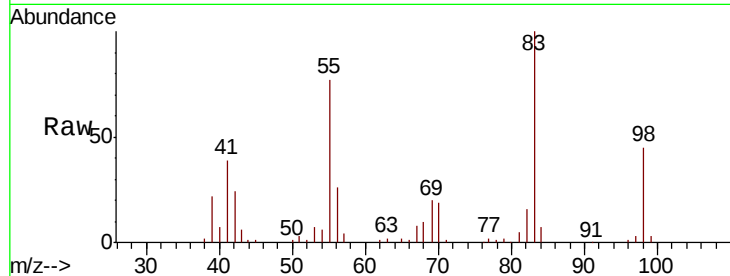




#39
Methvlcvclohexane
Concen: 18.606 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

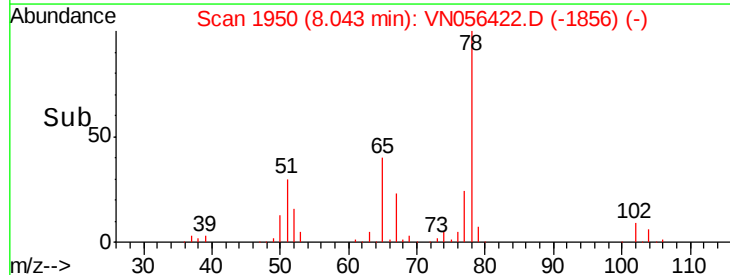
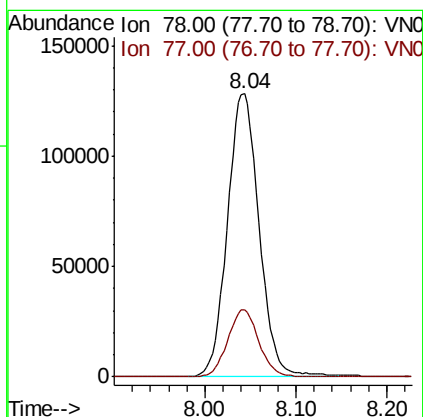
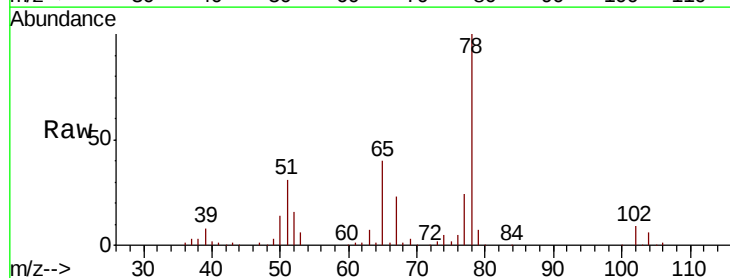
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

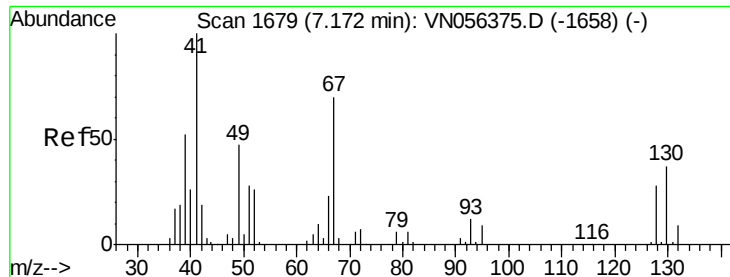
Tot Ion: 83 Resp: 116347
Ion Ratio Lower Upper
83 100
55 77.2 60.0 90.0
98 44.6 36.6 54.8



#40
Benzene
Concen: 19.907 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 78 Resp: 310321
Ion Ratio Lower Upper
78 100
77 23.8 18.3 27.5

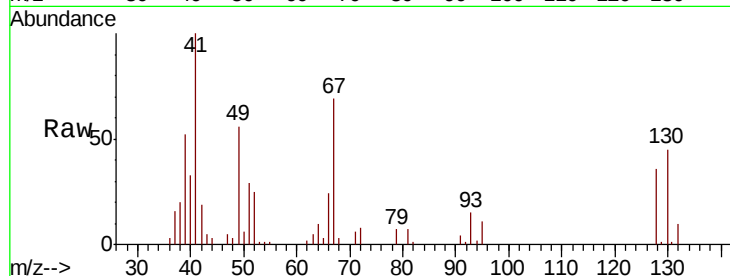




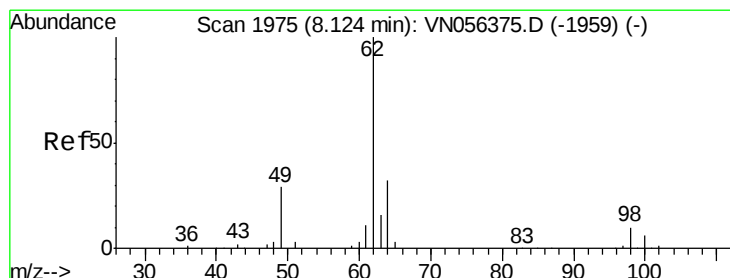
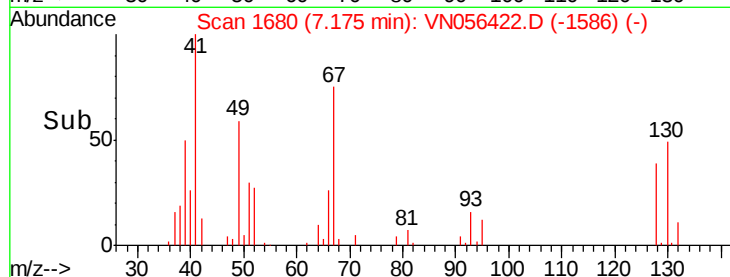
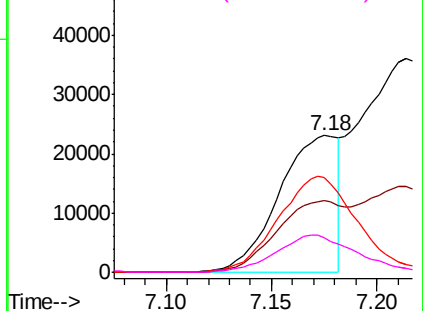
#41
Methacrylonitrile
Concen: 20.485 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion:	41	Resp:	45051
Ion	Ratio	Lower	Upper
41	100		
39	58.2	55.3	82.9
67	95.2	79.2	118.8
52	37.7	31.4	47.0

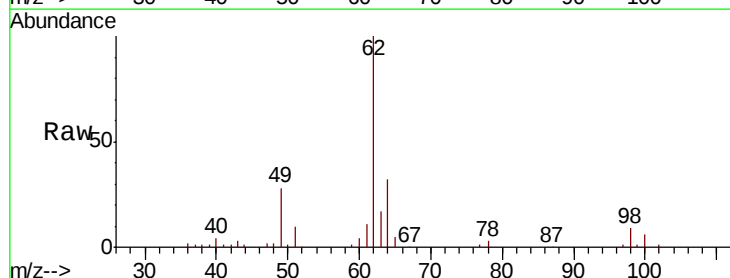


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

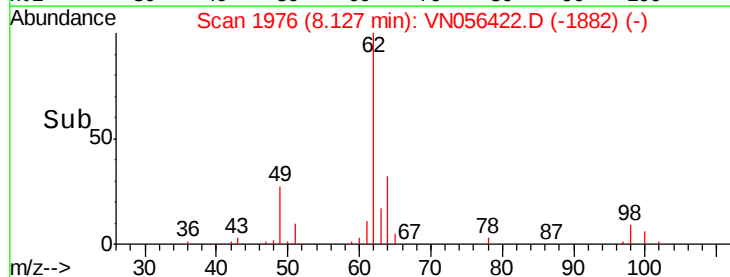
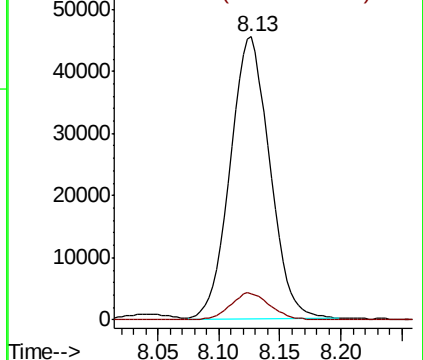


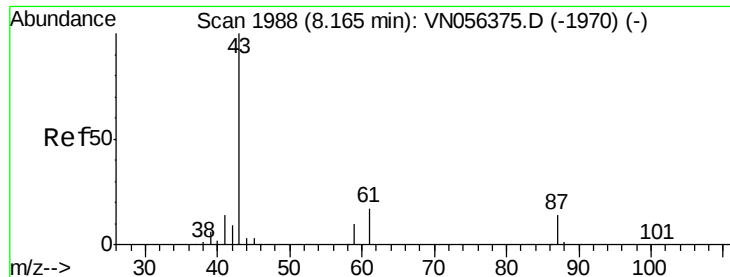
#42
1,2-Dichloroethane
Concen: 19.821 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion:	62	Resp:	101968
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.766 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

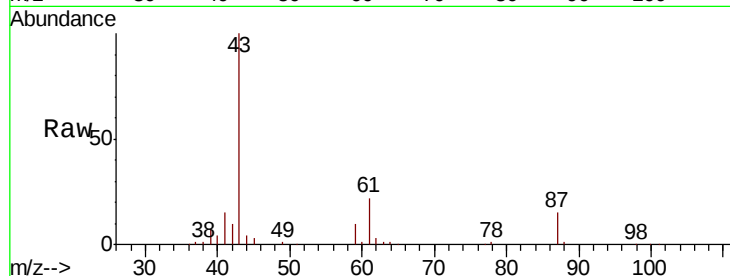
Tot Ion: 43 Resp: 159468

Ion Ratio Lower Upper

43 100

61 28.1 22.0 33.0

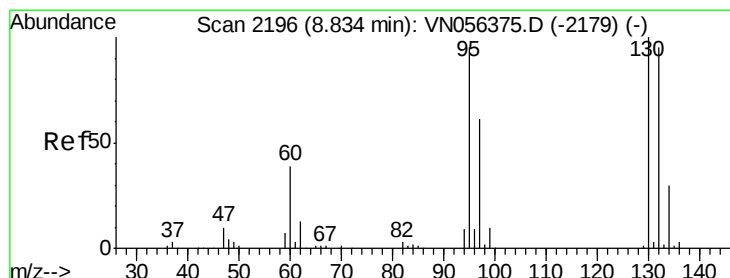
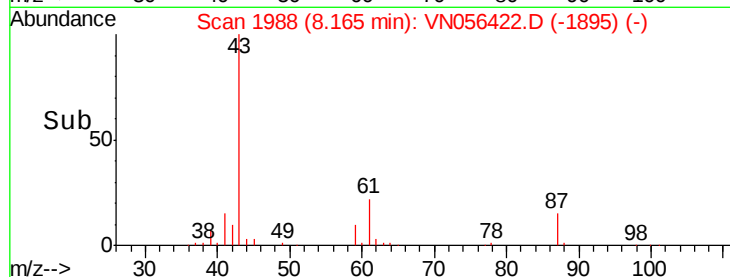
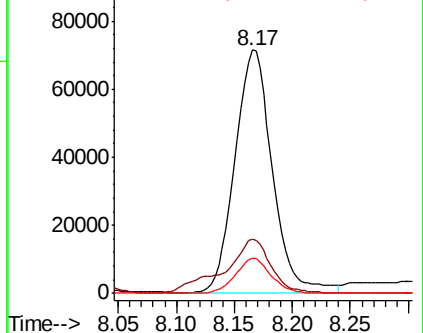
87 13.7 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#44

Trichloroethene

Concen: 19.872 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056422.D

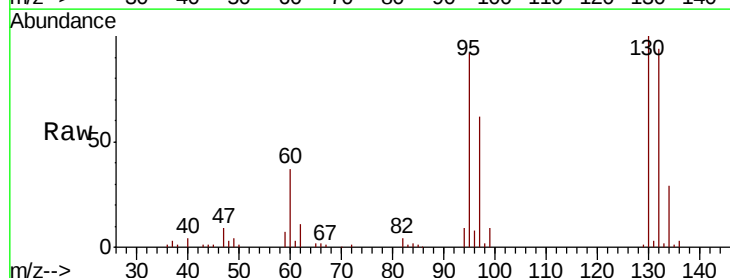
Acq: 21 Jun 2019 13:42

Tgt Ion:130 Resp: 83445

Ion Ratio Lower Upper

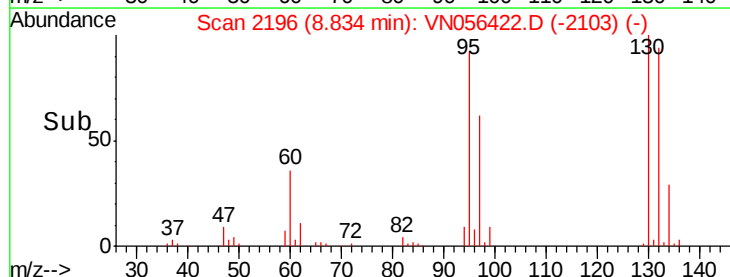
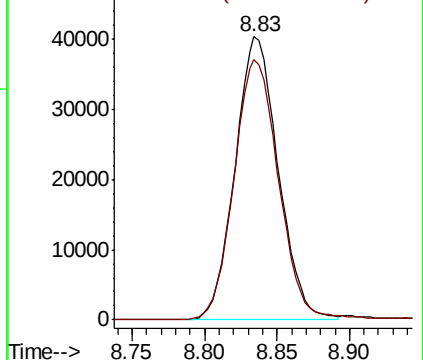
130 100

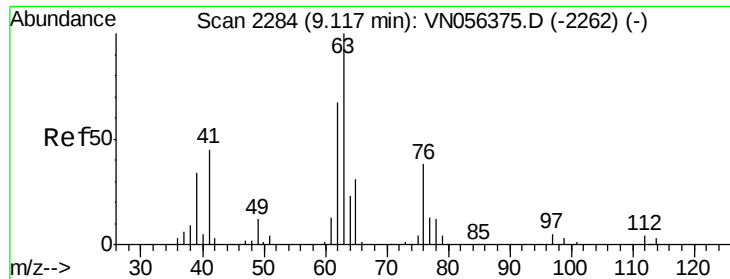
95 91.9 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056375.D (-2179) (-)

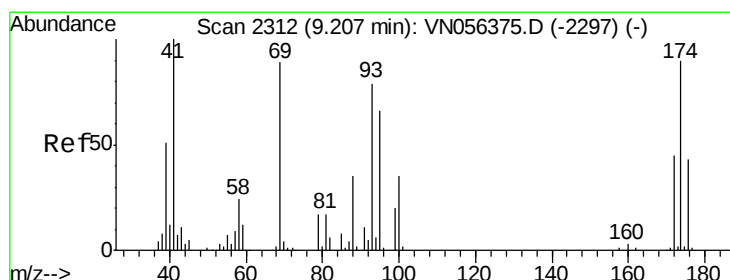
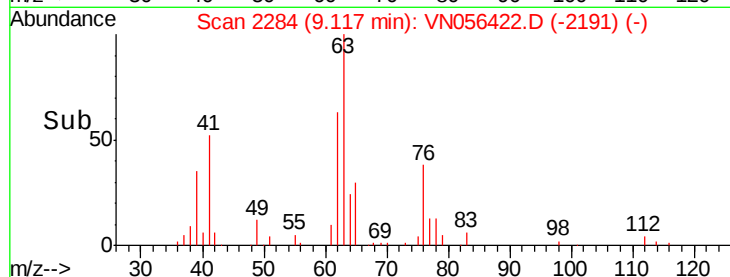
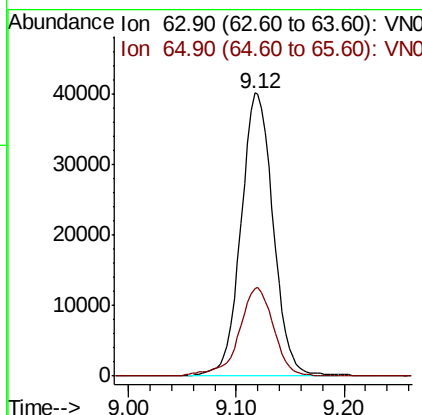
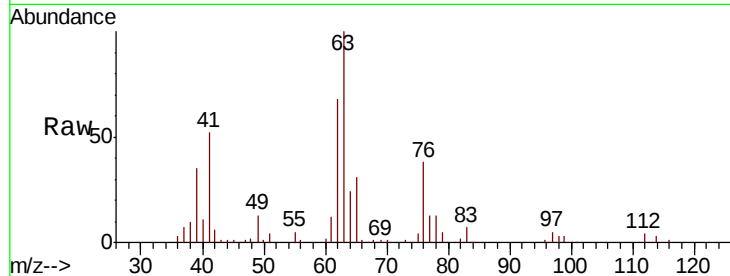




#45
 1,2-Dichloropropane
 Concen: 20.057 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

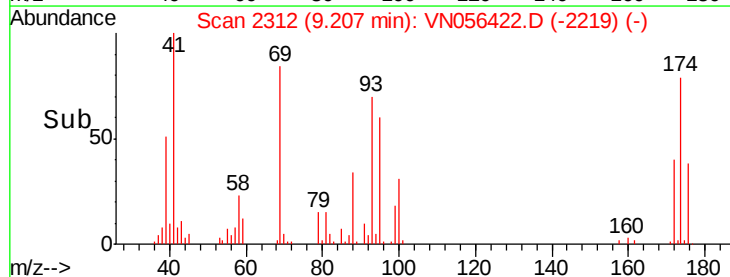
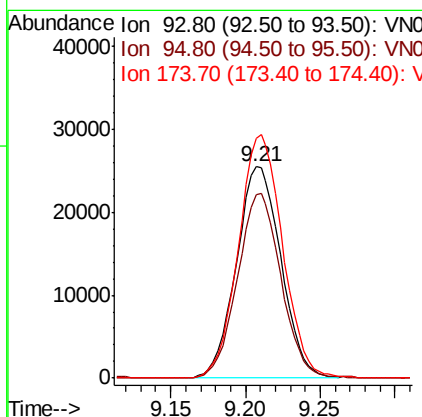
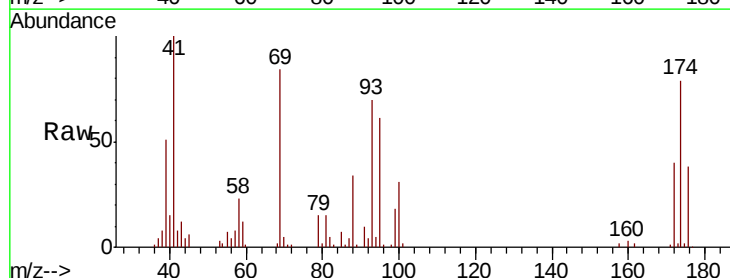
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion: 63 Resp: 83616
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6



#46
 Dibromomethane
 Concen: 20.243 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Tgt Ion: 93 Resp: 52797
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.2 99.2
 174 113.8 90.8 136.2





#47

Bromodichloromethane

Concen: 19.795 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

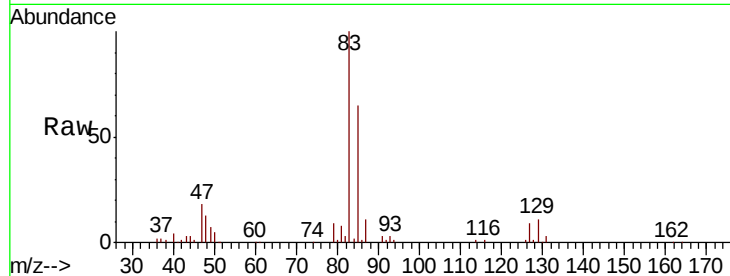
Tot Ion: 83 Resp: 91568

Ion Ratio Lower Upper

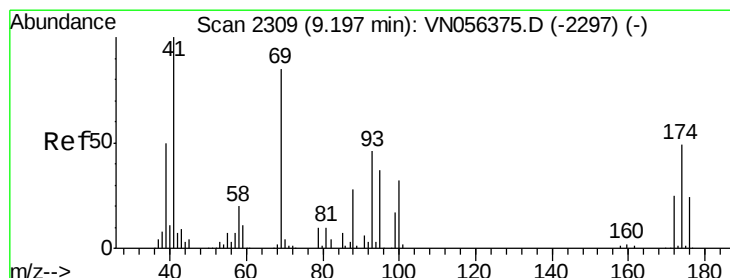
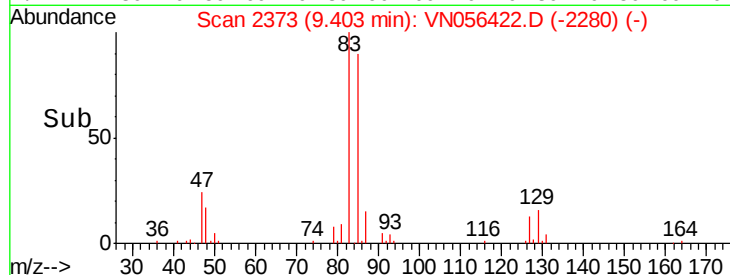
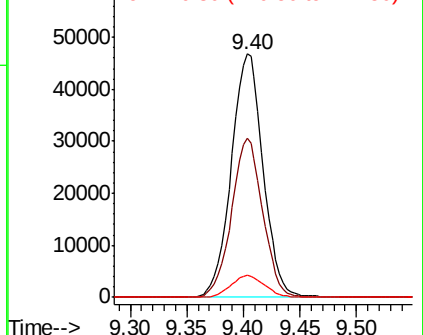
83 100

85 65.4 52.2 78.4

127 9.2 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.270 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

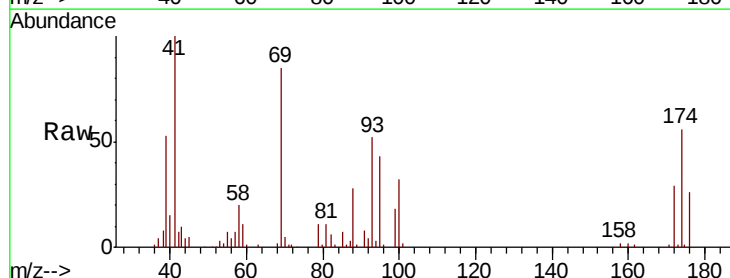
Tgt Ion: 41 Resp: 78007

Ion Ratio Lower Upper

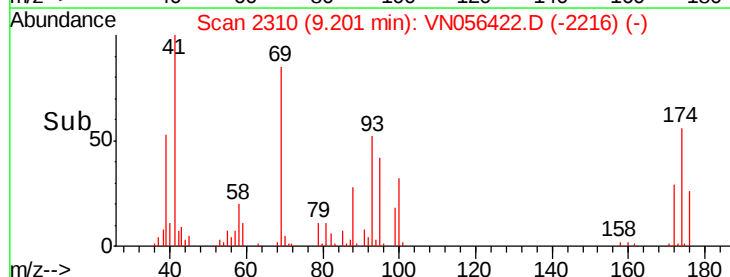
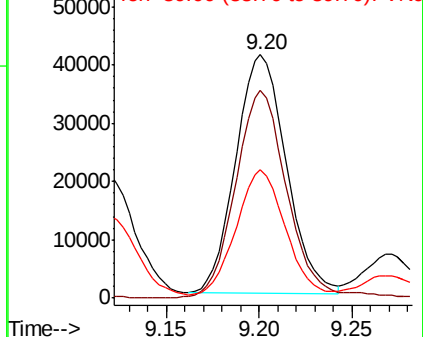
41 100

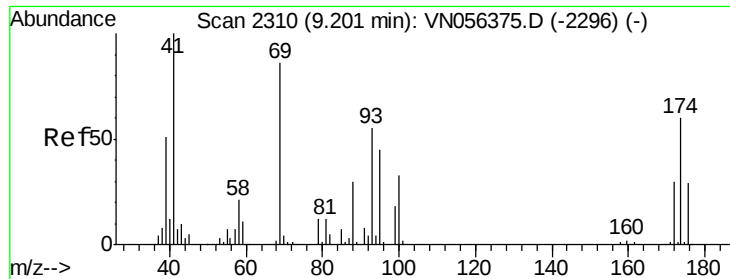
69 89.2 72.6 109.0

39 52.4 42.6 63.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

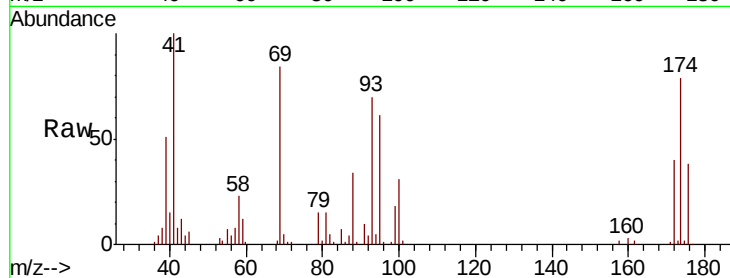




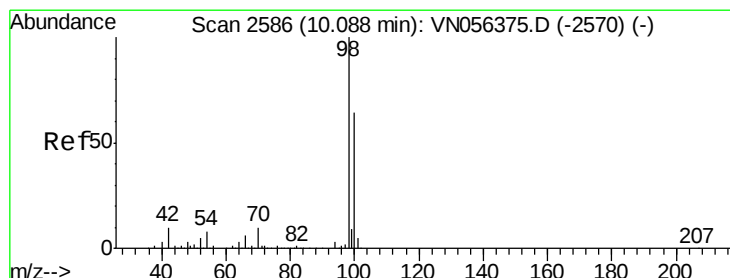
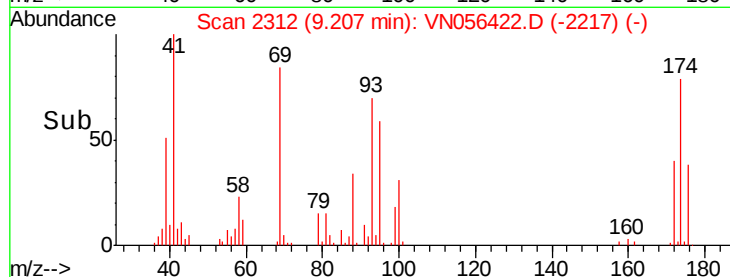
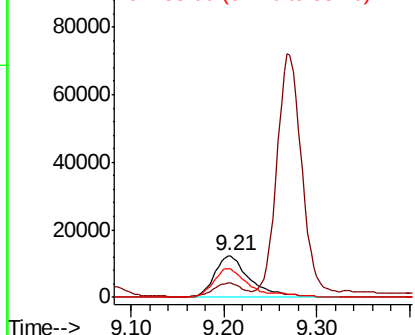
#49
1,4-Dioxane
Concen: 409.800 ug/l
RT: 9.21 min Scan# 2312
Delta R.T. 0.01 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion: 88 Resp: 32727
Ion Ratio Lower Upper
88 100
43 26.0 22.0 33.0
58 64.3 51.8 77.8

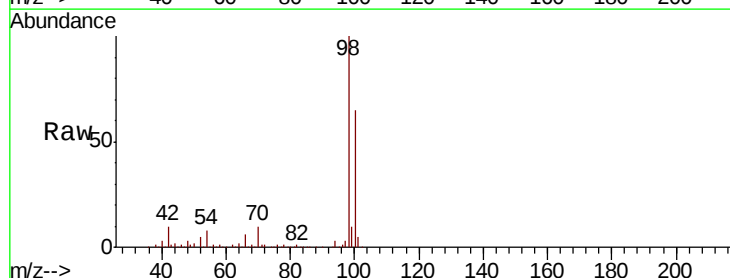


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

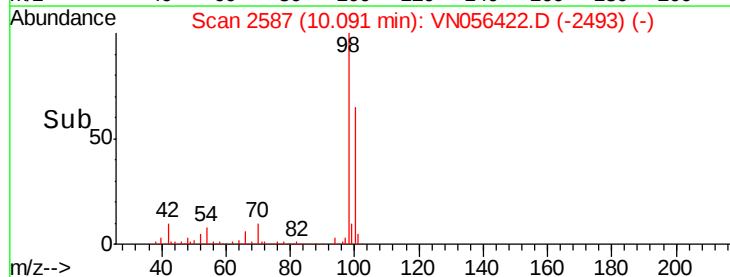
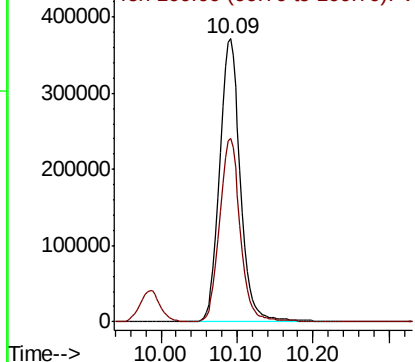


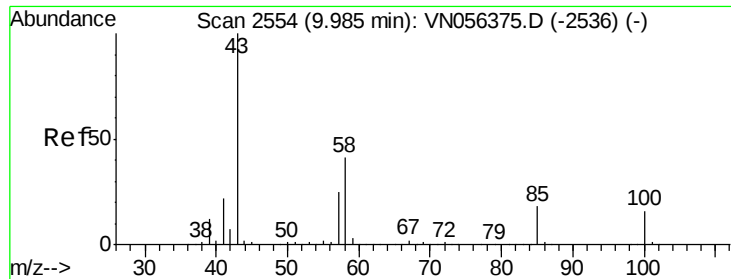
#50
Toluene-d8
Concen: 50.240 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 98 Resp: 702151
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 103.917 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

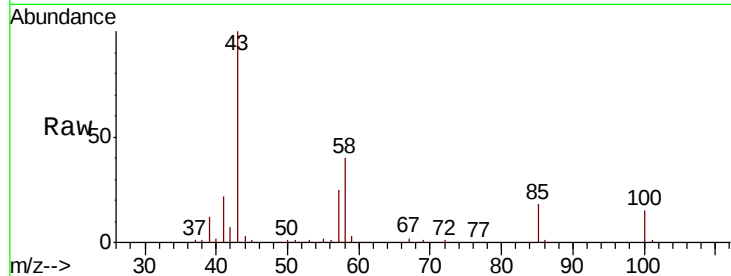
VN0621MBS01

Tot Ion: 43 Resp: 515071

Ion Ratio Lower Upper

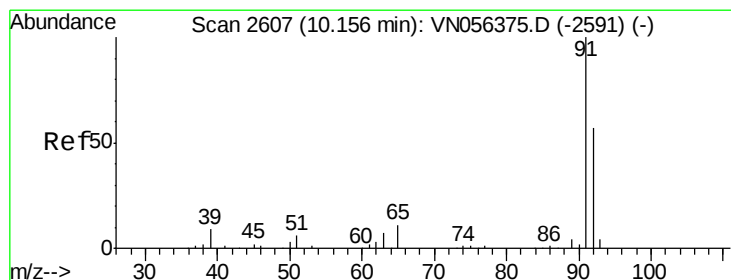
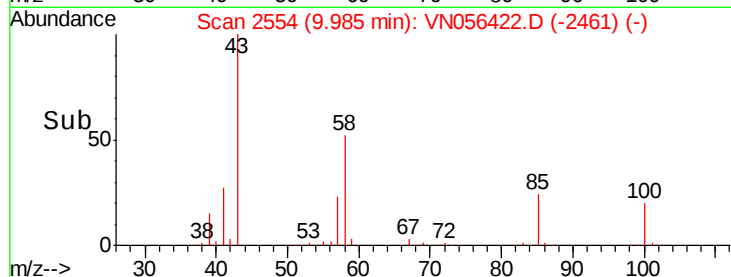
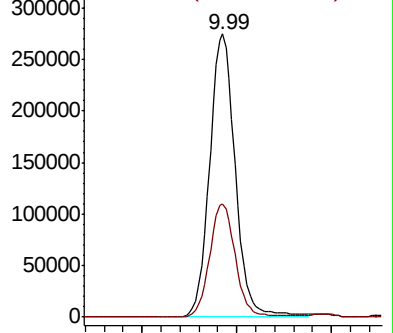
43 100

58 40.2 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.016 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056422.D

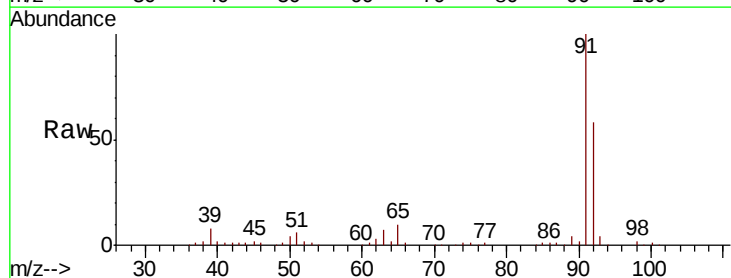
Acq: 21 Jun 2019 13:42

Tgt Ion: 92 Resp: 190755

Ion Ratio Lower Upper

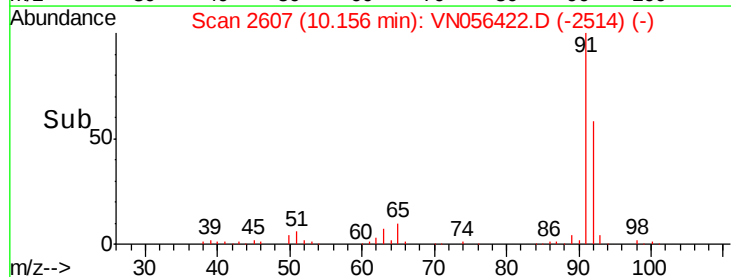
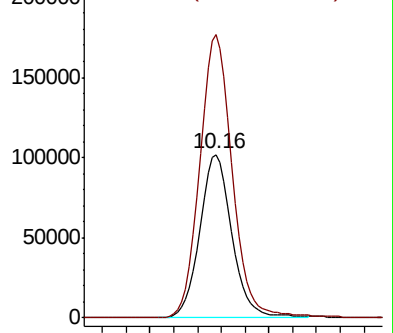
92 100

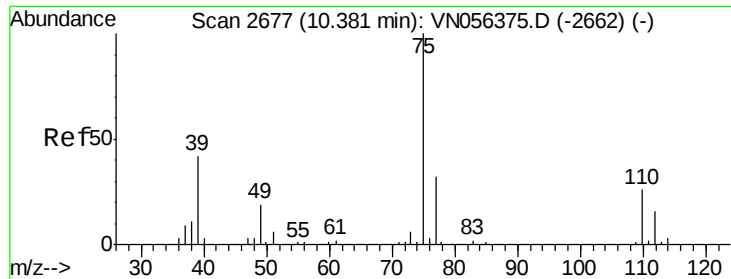
91 176.1 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

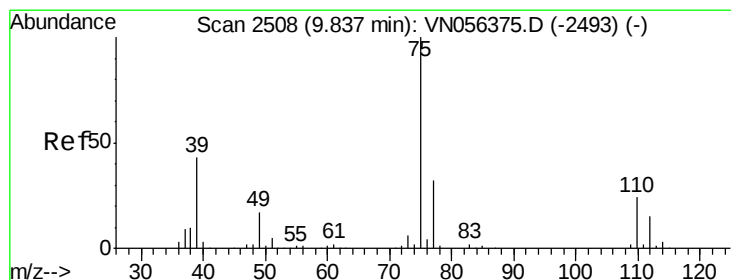
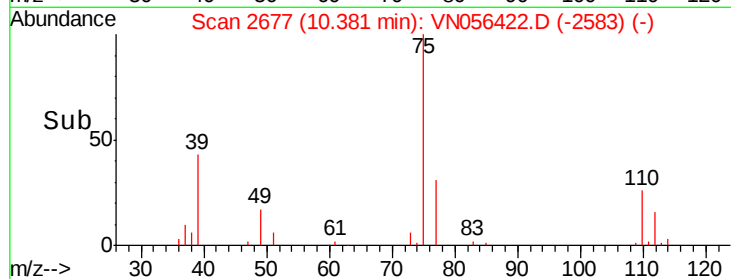
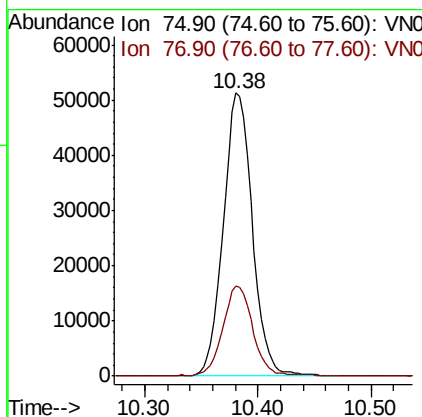
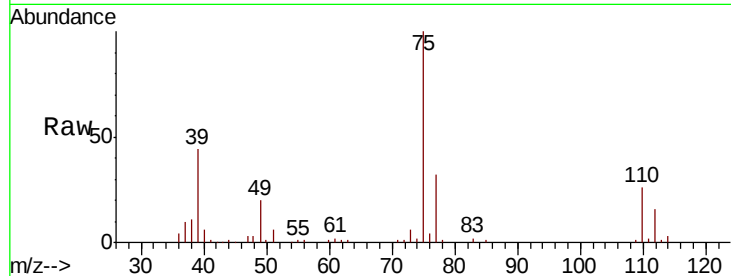




#53
 t-1,3-Dichloropropene
 Concen: 18.926 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

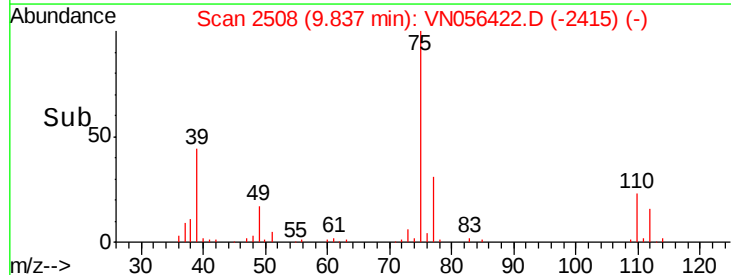
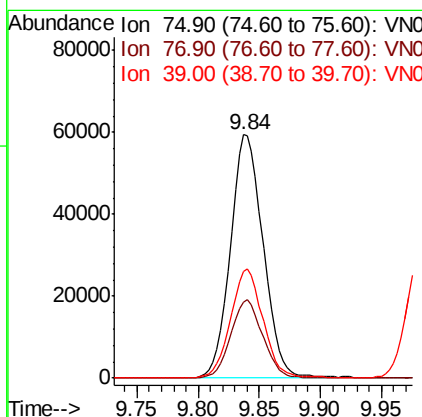
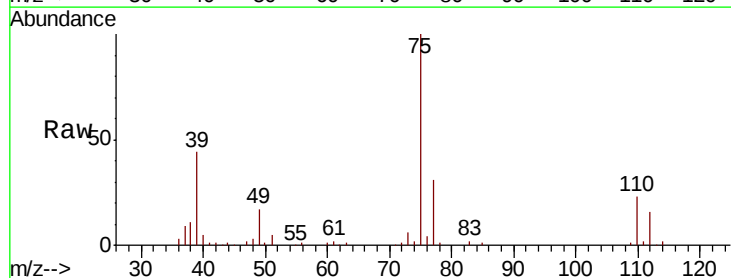
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

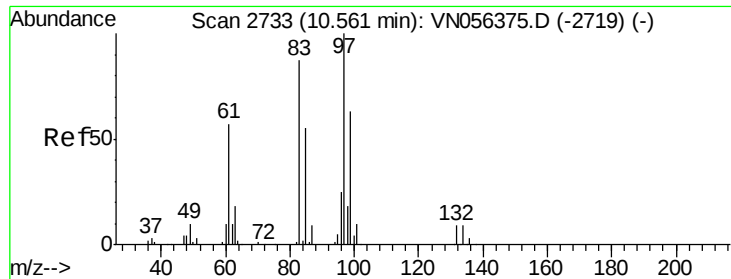
Tot Ion: 75 Resp: 91693
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 19.924 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Tgt Ion: 75 Resp: 110986
 Ion Ratio Lower Upper
 75 100
 77 31.2 25.2 37.8
 39 43.6 34.2 51.4





#55

1,1,2-Trichloroethane

Concen: 20.749 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

Tot Ion: 97 Resp: 79484

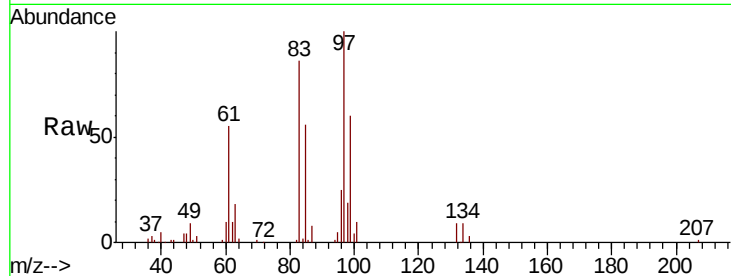
Ion Ratio Lower Upper

97 100

83 86.3 69.8 104.6

85 56.5 43.8 65.8

99 60.4 50.2 75.2

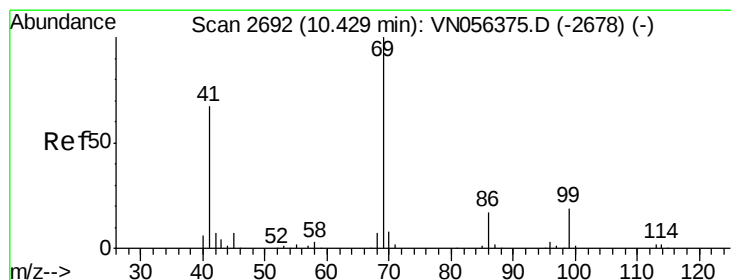
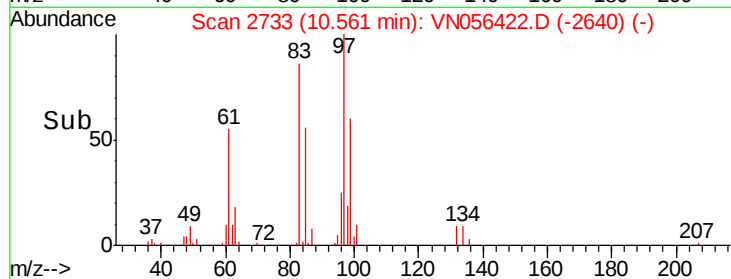
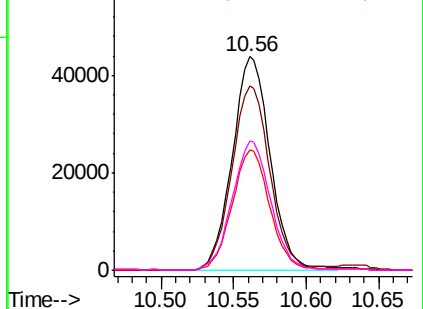


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 20.477 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

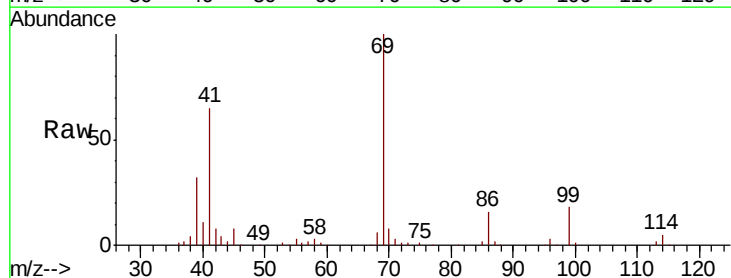
Tgt Ion: 69 Resp: 114639

Ion Ratio Lower Upper

69 100

41 64.0 51.4 77.2

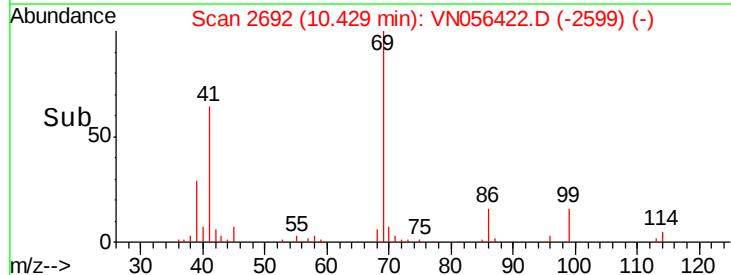
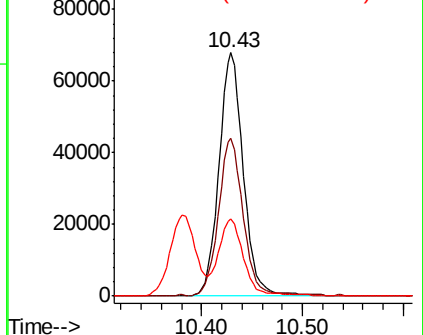
39 32.2 24.7 37.1

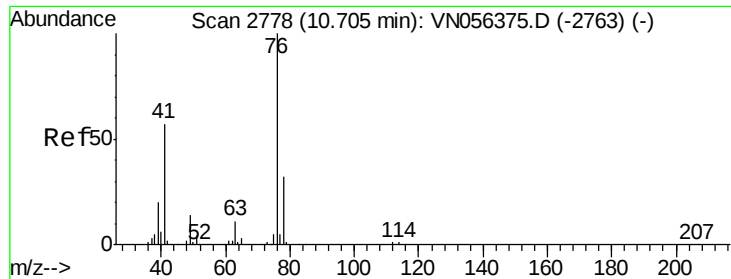


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

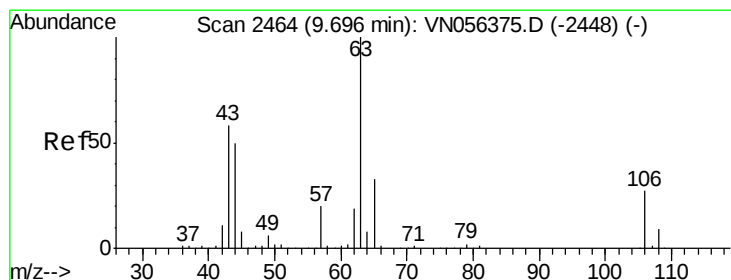
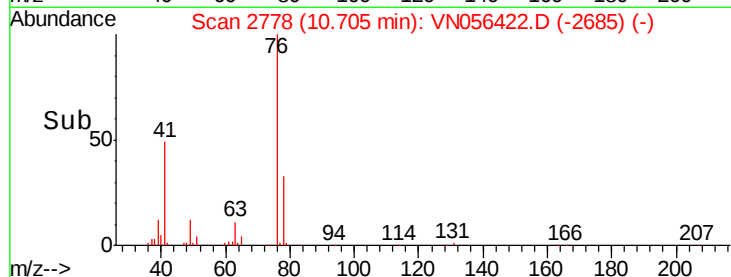
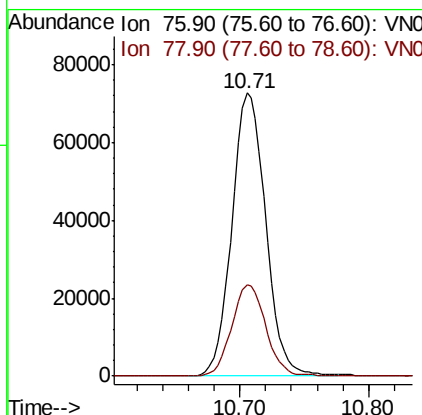
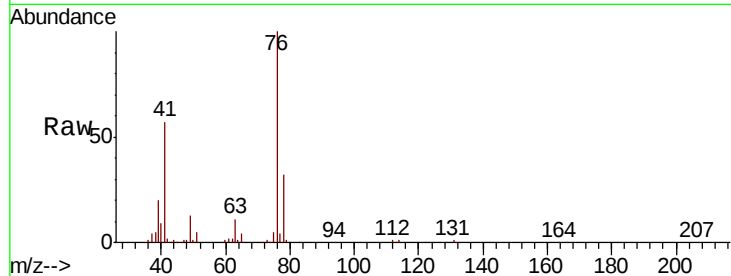




#57
 1,3-Dichloropropane
 Concen: 20.588 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

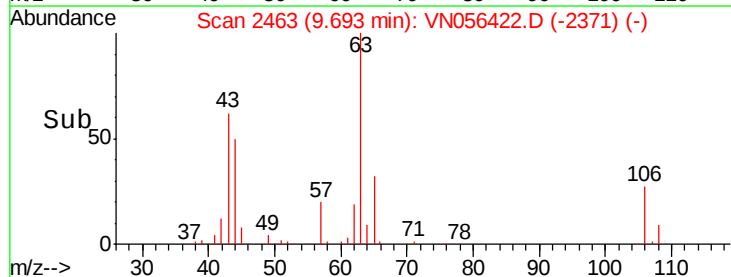
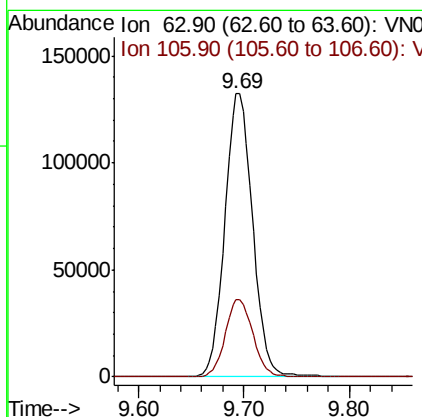
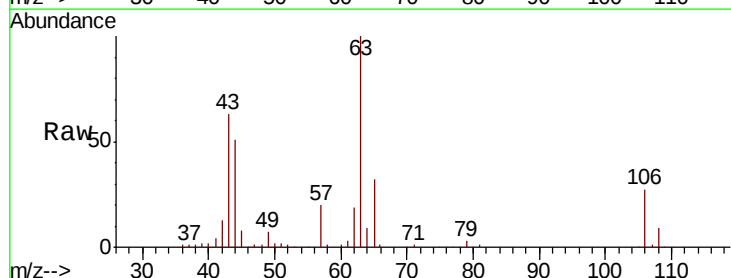
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

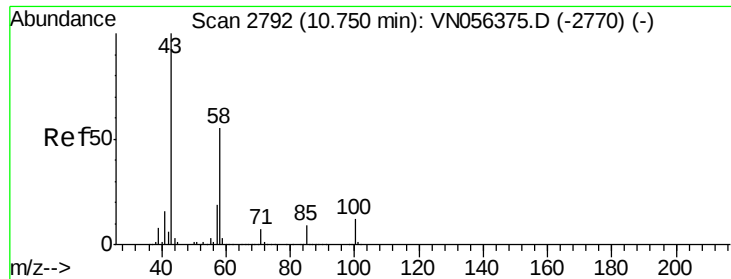
Tot Ion: 76 Resp: 132491
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.905 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Tgt Ion: 63 Resp: 241158
 Ion Ratio Lower Upper
 63 100
 106 27.3 21.6 32.4

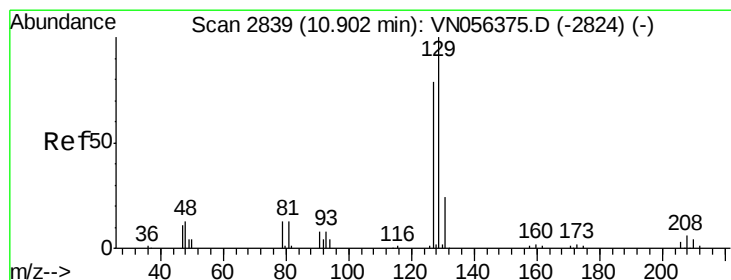
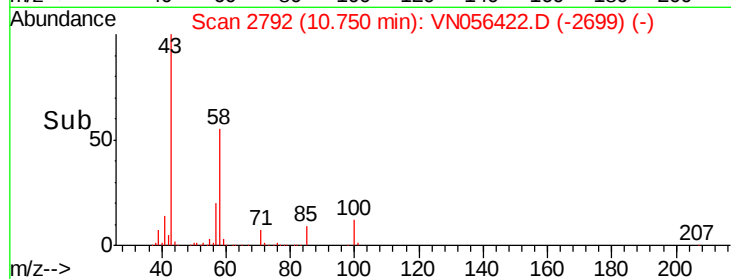
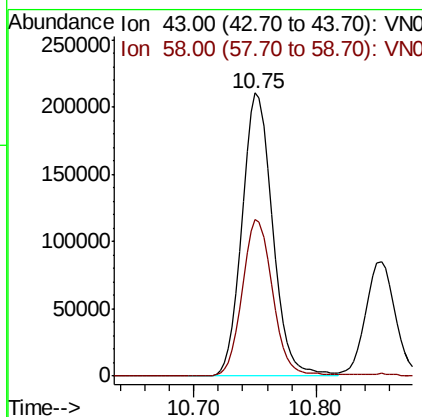
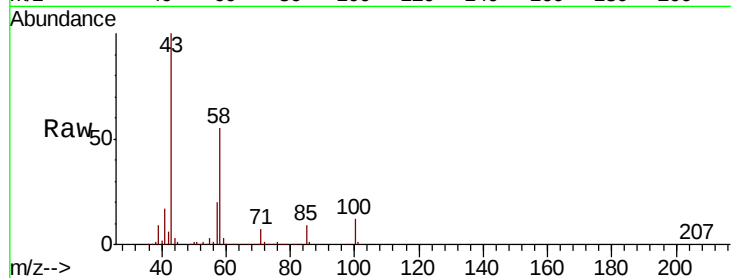




#59
2-Hexanone
Concen: 99.531 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

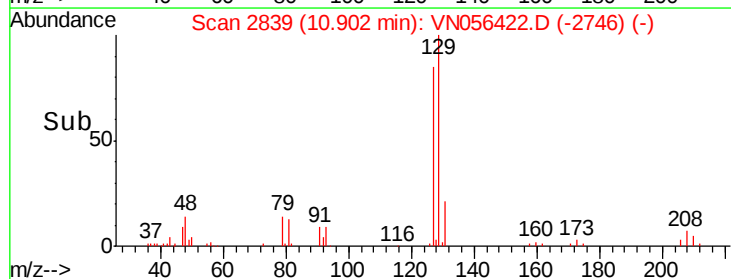
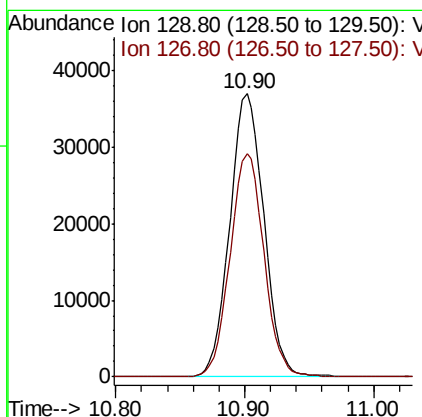
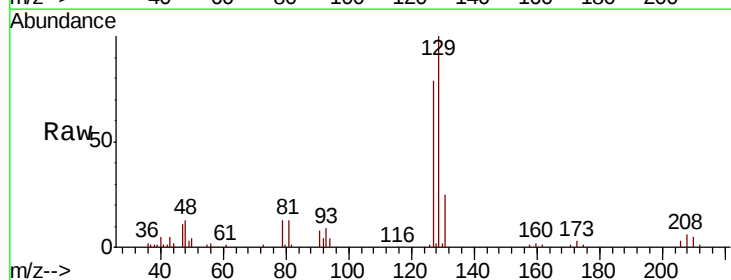
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

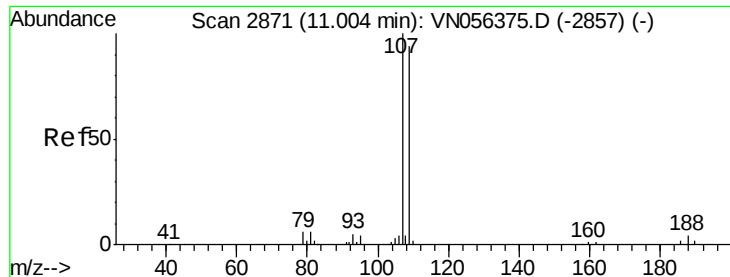
Tot Ion: 43 Resp: 362582
Ion Ratio Lower Upper
43 100
58 55.2 27.8 83.4



#60
Dibromochloromethane
Concen: 18.822 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 129 Resp: 67971
Ion Ratio Lower Upper
129 100
127 78.3 38.9 116.7

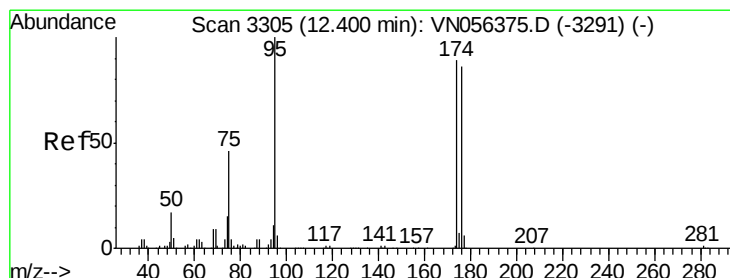
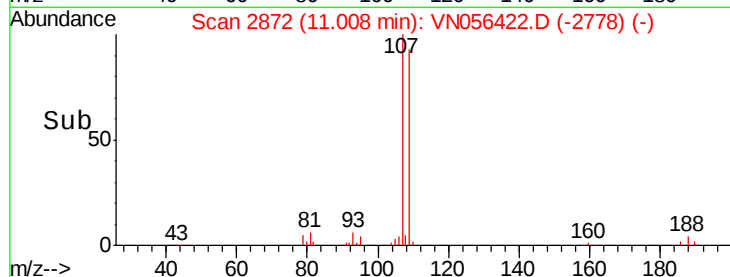
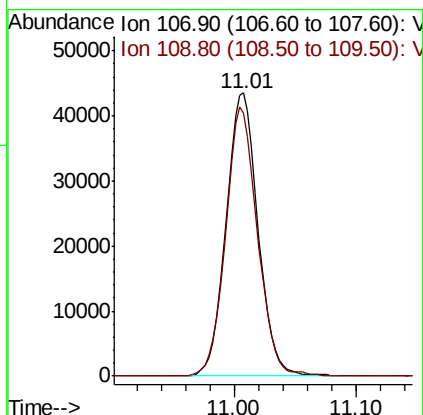
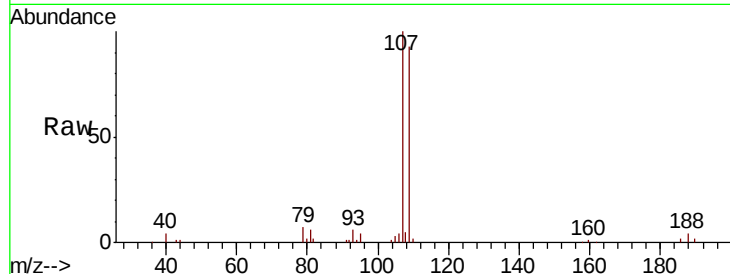




#61
 1,2-Dibromoethane
 Concen: 20.332 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

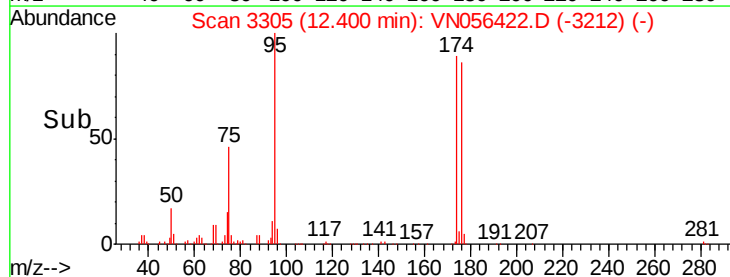
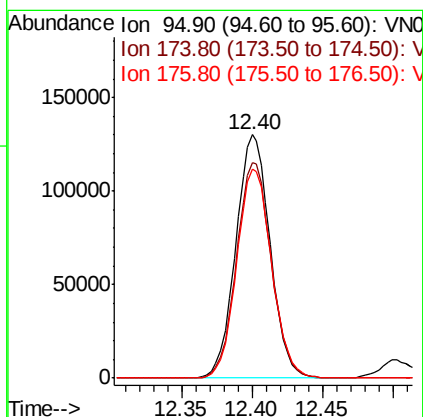
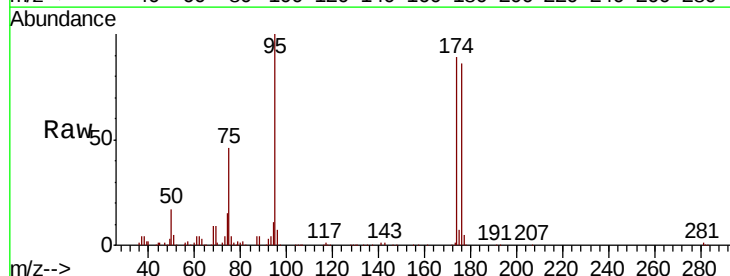
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

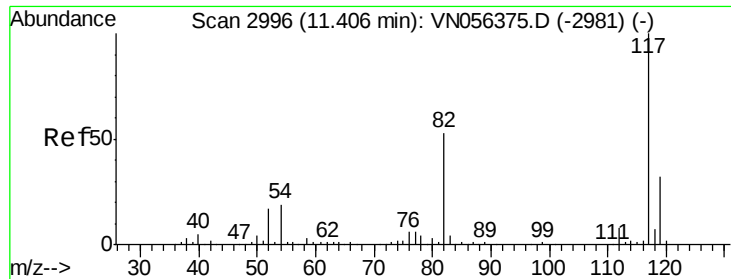
Tot Ion:107 Resp: 79549
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 47.602 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Tgt Ion: 95 Resp: 221778
 Ion Ratio Lower Upper
 95 100
 174 89.6 0.0 179.4
 176 87.3 0.0 173.4

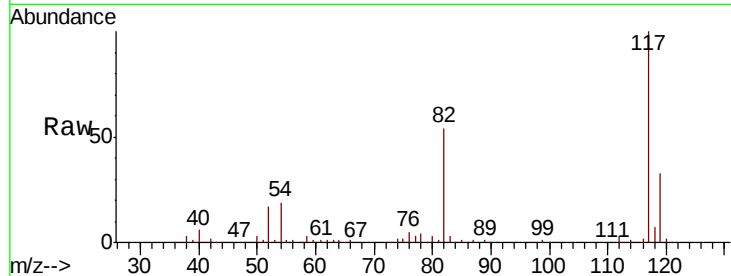




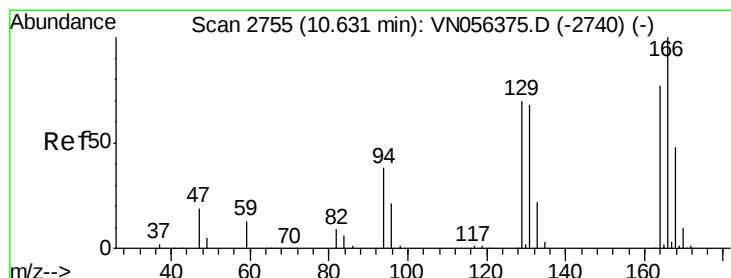
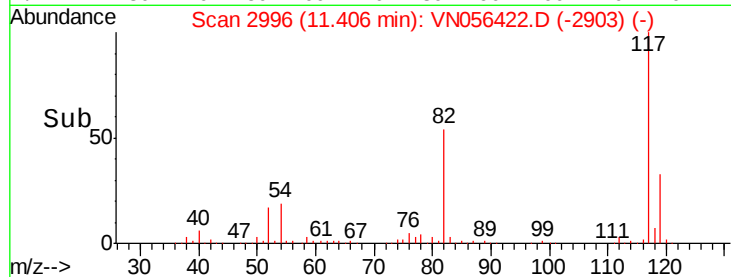
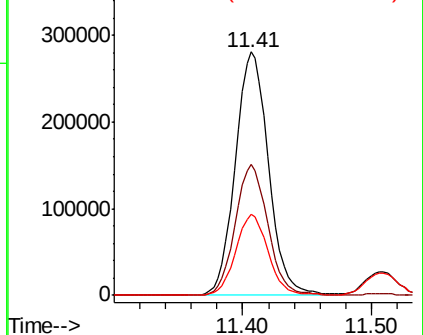
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion:117 Resp: 502048
Ion Ratio Lower Upper
117 100
82 53.6 42.0 63.0
119 33.1 25.3 37.9

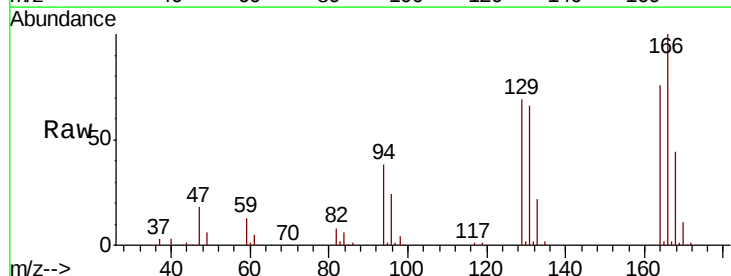


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

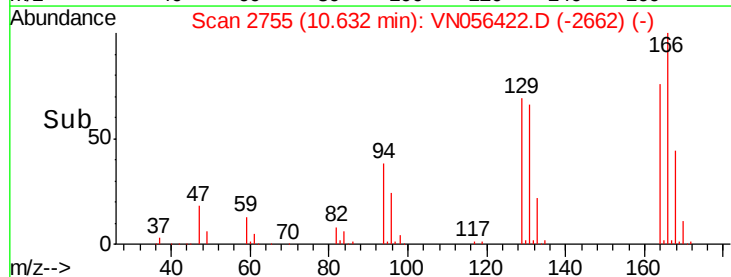
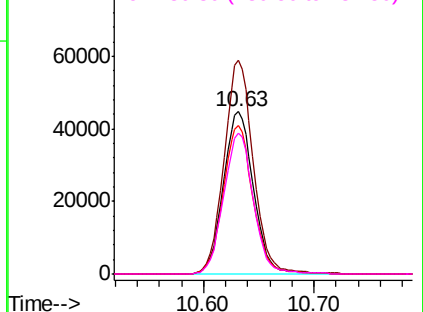


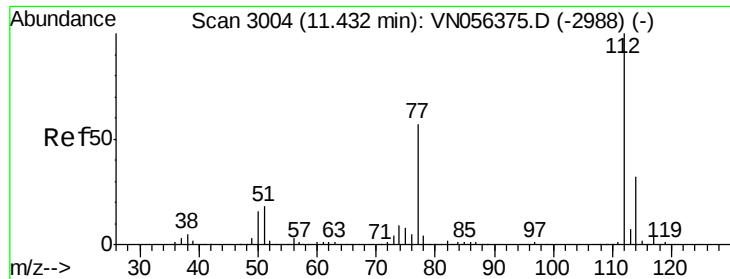
#64
Tetrachloroethene
Concen: 21.216 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion:164 Resp: 84351
Ion Ratio Lower Upper
164 100
166 131.7 103.4 155.0
129 91.4 72.0 108.0
131 86.7 70.2 105.2



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

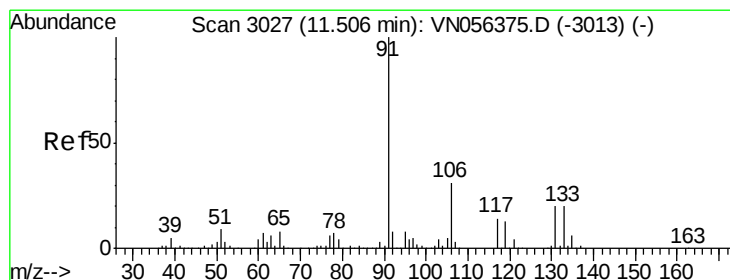
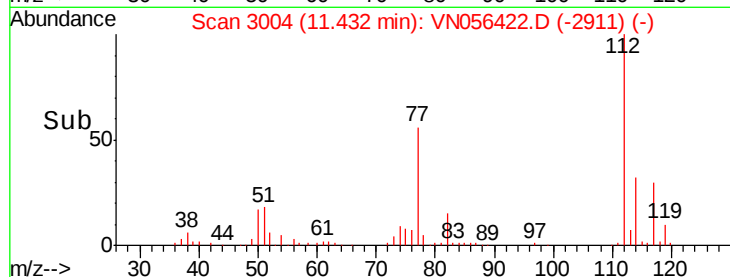
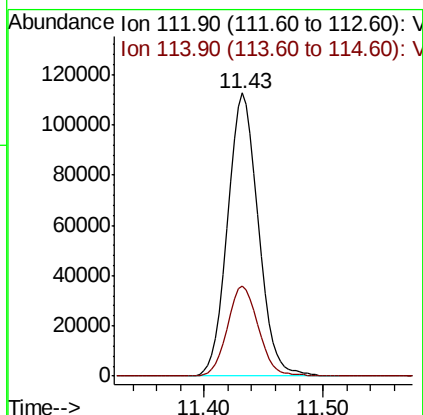
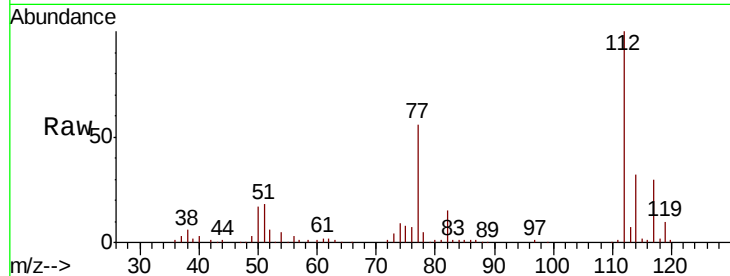




#65
Chlorobenzene
Concen: 19.982 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

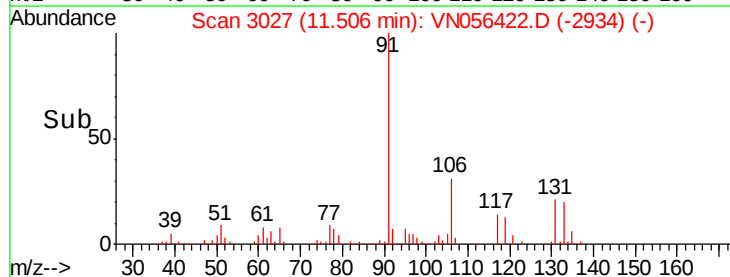
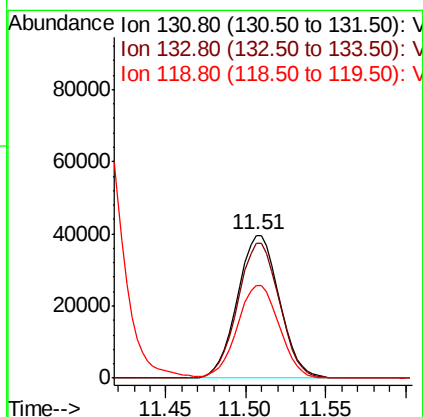
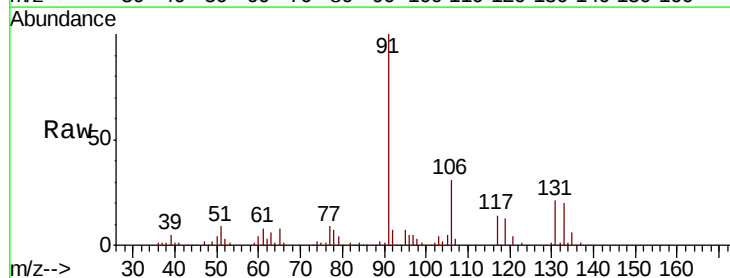
Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

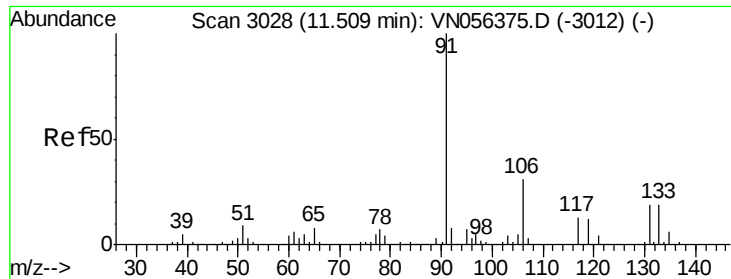
Tot Ion:112 Resp: 201575
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.818 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion:131 Resp: 70978
Ion Ratio Lower Upper
131 100
133 94.2 47.4 142.2
119 64.9 32.8 98.4

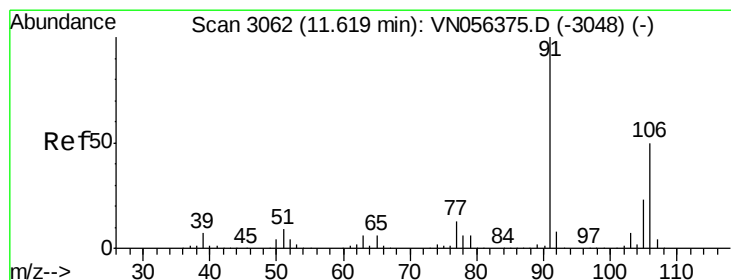
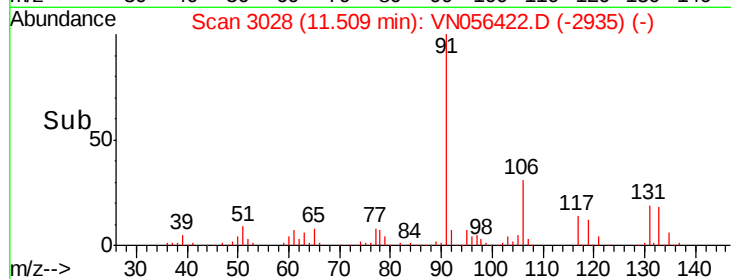
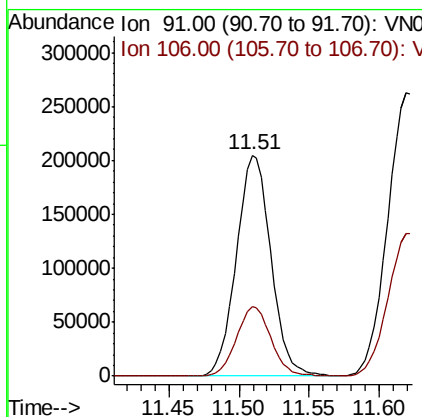
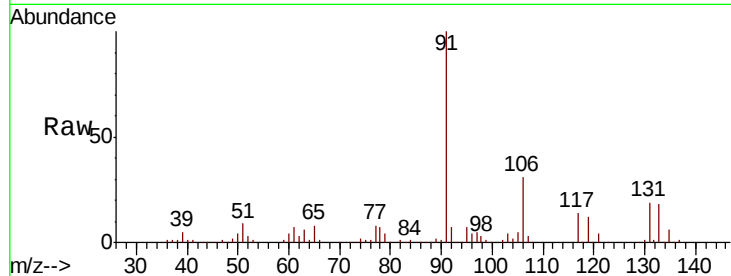




#67
Ethyl Benzene
Concen: 19.932 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

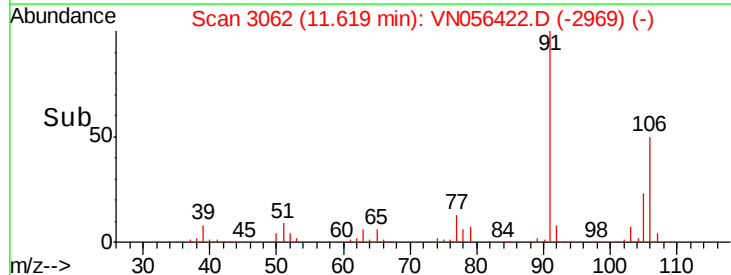
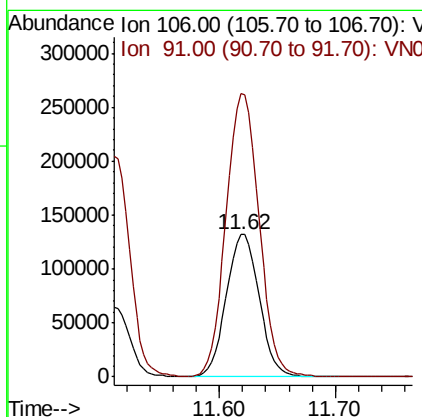
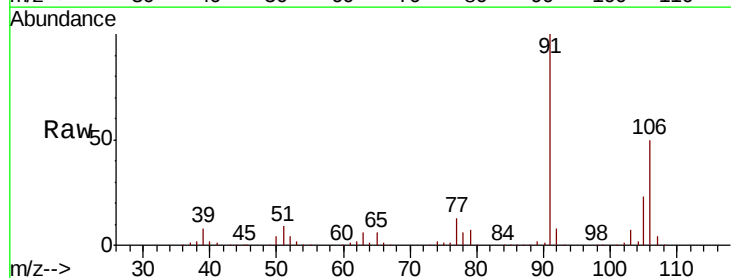
Instrument :
MSVOA_N
ClientSampled :
VN0621MBS01

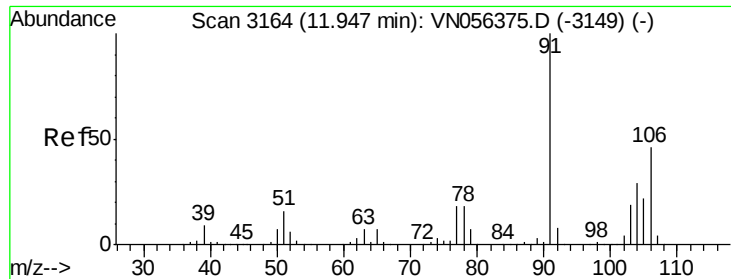
Tot Ion: 91 Resp: 353050
Ion Ratio Lower Upper
91 100
106 31.4 25.1 37.7



#68
m/p-Xylenes
Concen: 40.056 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion: 106 Resp: 260021
Ion Ratio Lower Upper
106 100
91 200.0 160.1 240.1

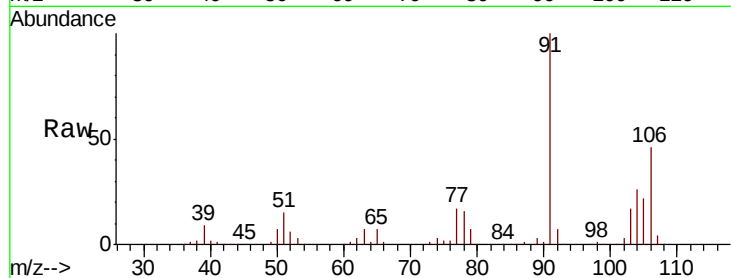




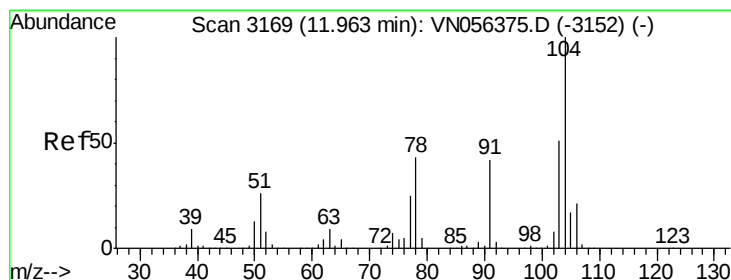
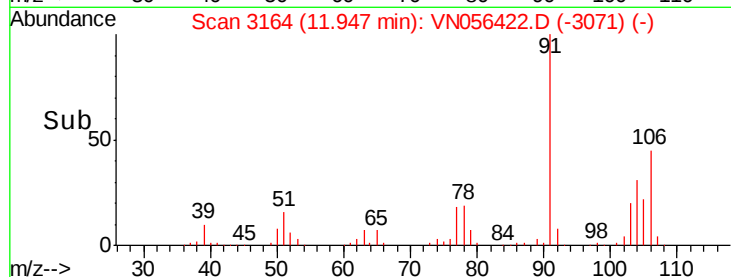
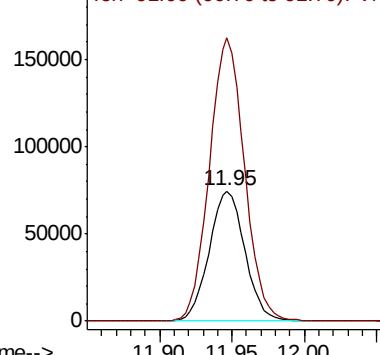
#69
o-Xylene
Concen: 19.884 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampled :
VN0621MBS01

Tot Ion:106 Resp: 127696
Ion Ratio Lower Upper
106 100
91 213.5 107.1 321.3

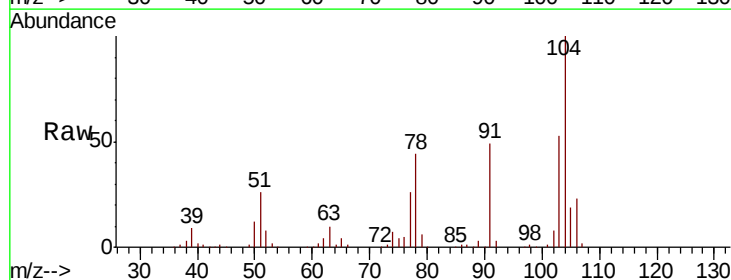


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

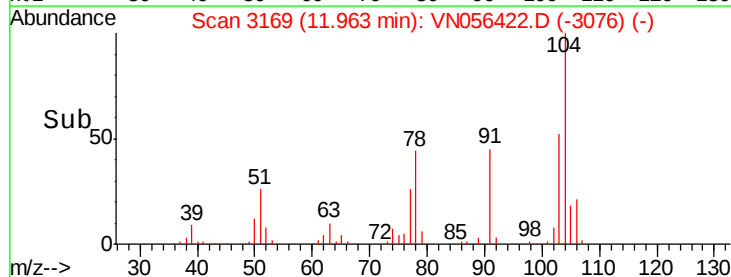
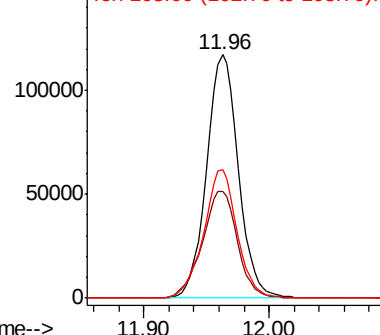


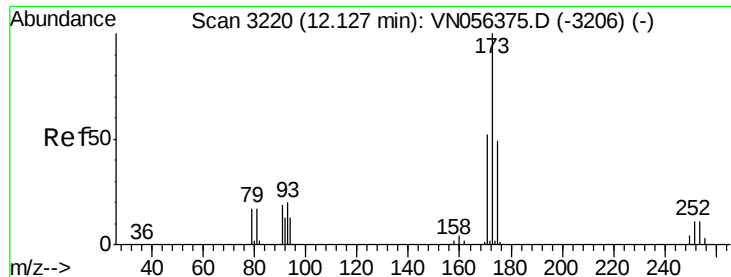
#70
Styrene
Concen: 20.099 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion:104 Resp: 206319
Ion Ratio Lower Upper
104 100
78 48.4 38.6 57.8
103 55.1 43.9 65.9



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

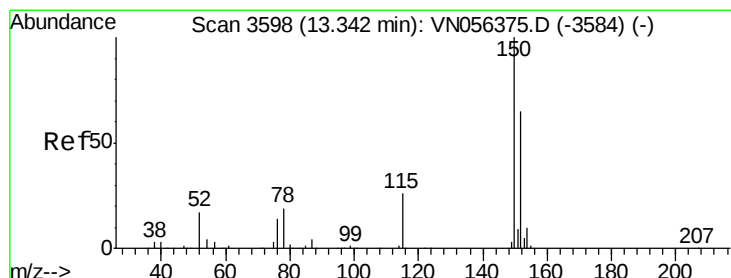
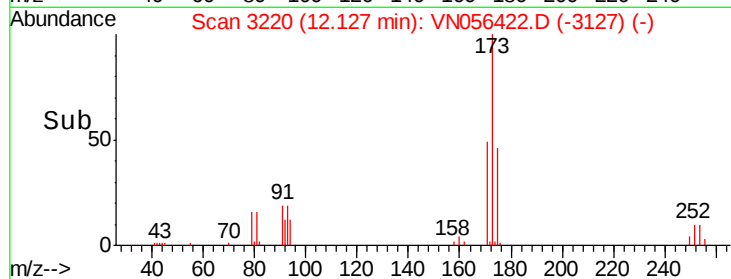
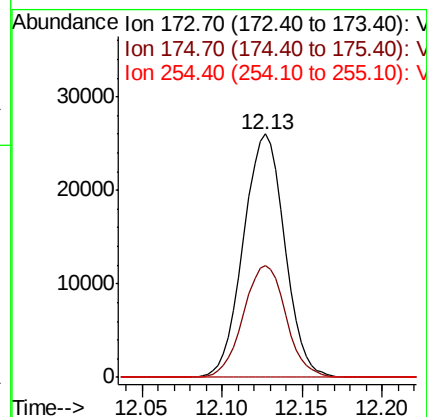
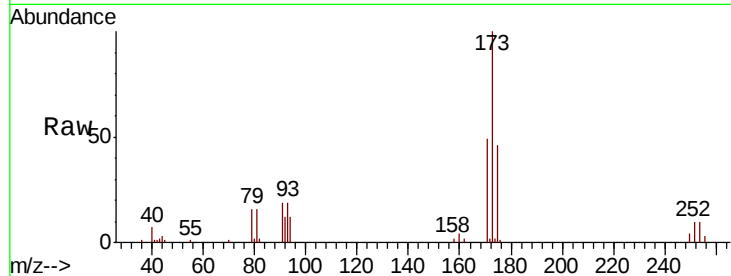




#71
 Bromoform
 Concen: 18.850 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

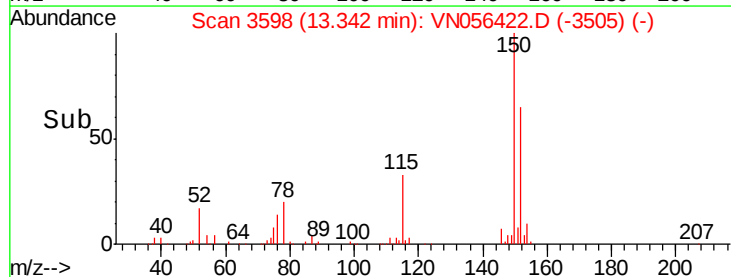
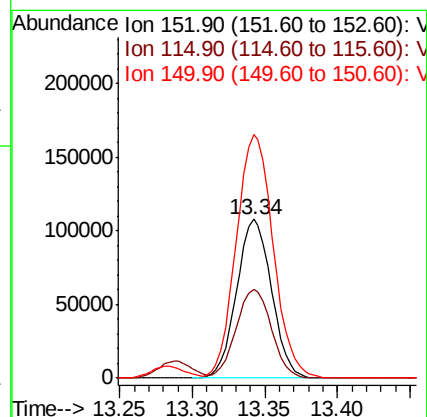
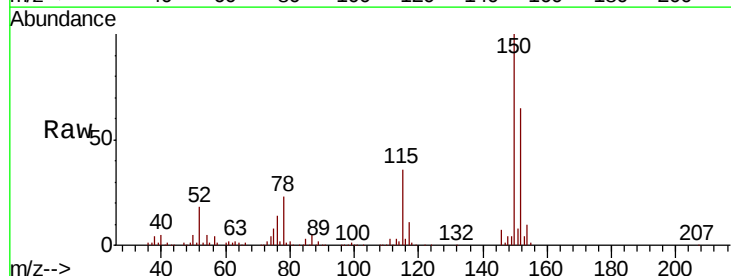
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

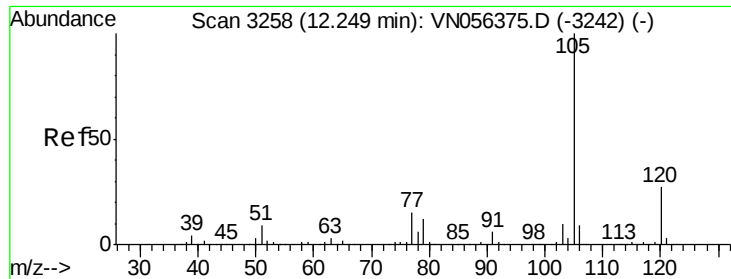
Tot Ion:173 Resp: 46101
 Ion Ratio Lower Upper
 173 100
 175 47.2 24.4 73.4
 254 0.0 0.0 0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Tgt Ion:152 Resp: 180265
 Ion Ratio Lower Upper
 152 100
 115 56.8 28.1 84.4
 150 162.4 0.0 348.4





#73

Isopropylbenzene

Concen: 23.919 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

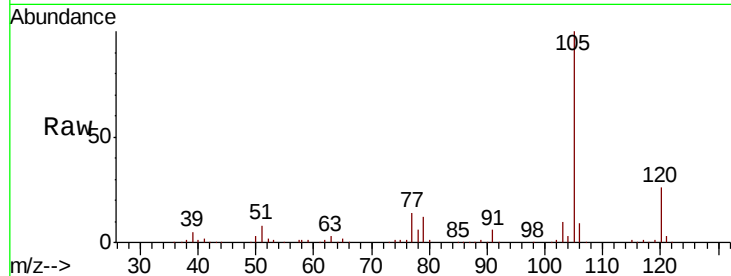
VN0621MBS01

Tot Ion:105 Resp: 342832

Ion Ratio Lower Upper

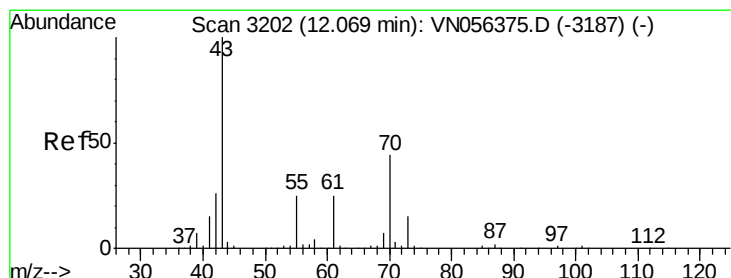
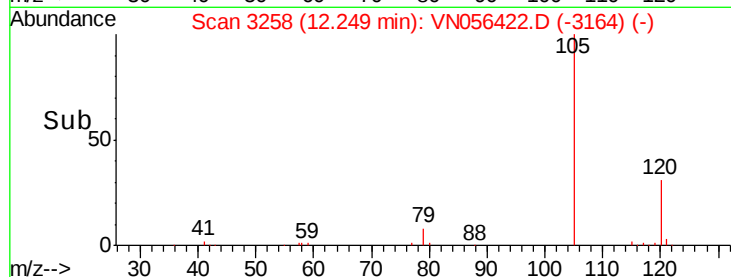
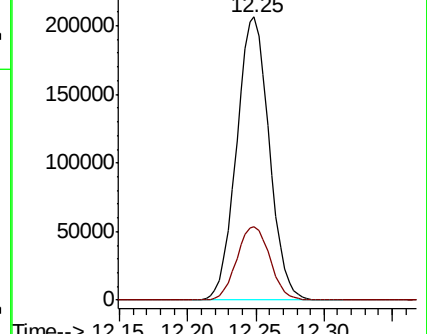
105 100

120 26.5 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.296 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Tgt Ion: 43 Resp: 122179

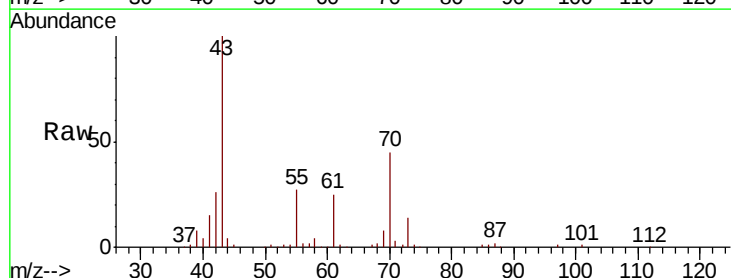
Ion Ratio Lower Upper

43 100

70 44.8 34.9 52.3

55 26.3 20.4 30.6

61 25.3 19.8 29.8

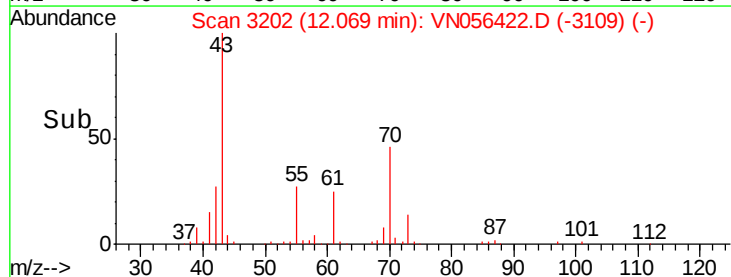
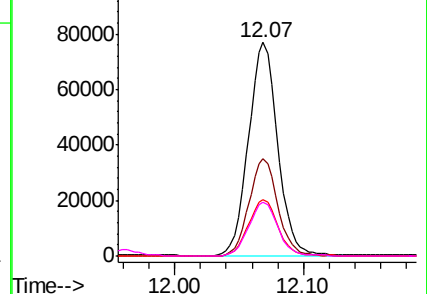


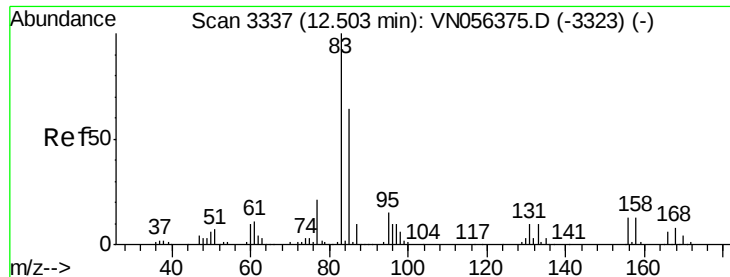
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.770 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

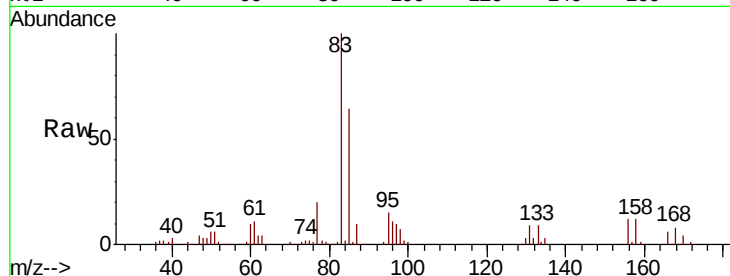
Tot Ion: 83 Resp: 106396

Ion Ratio Lower Upper

83 100

131 10.0 5.3 15.8

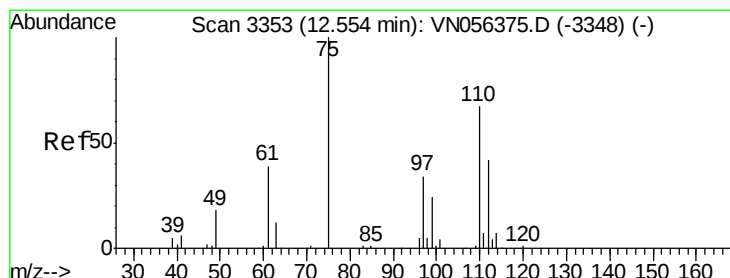
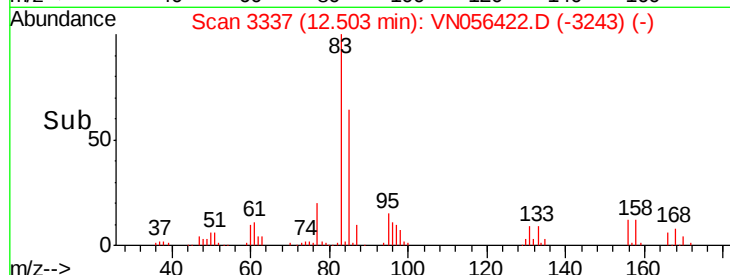
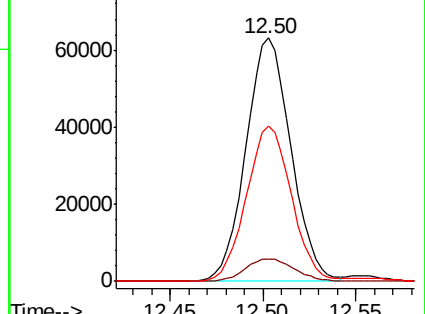
85 63.5 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.601 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056422.D

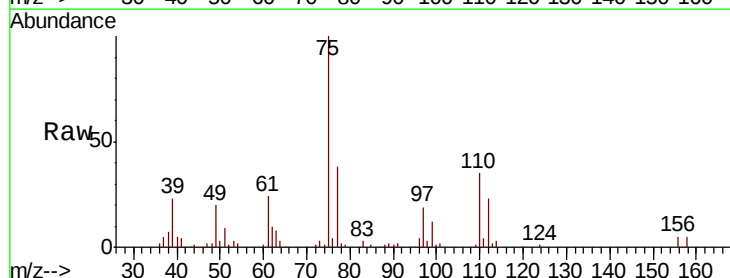
Acq: 21 Jun 2019 13:42

Tgt Ion: 75 Resp: 121858

Ion Ratio Lower Upper

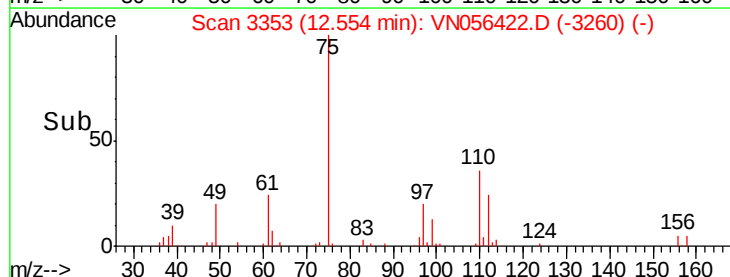
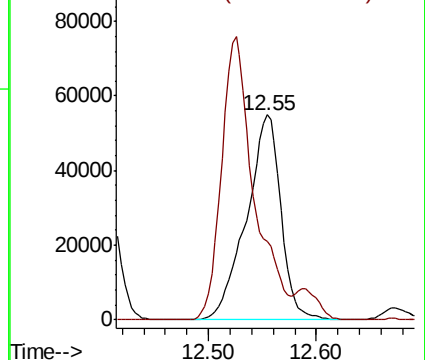
75 100

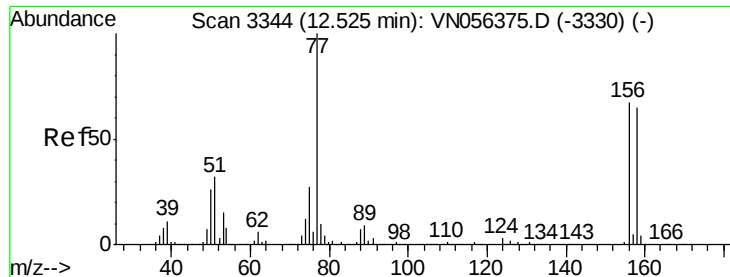
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.312 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

VN0621MBS01

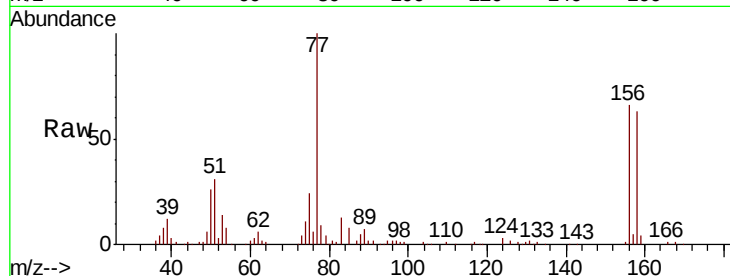
Tot Ion:156 Resp: 85901

Ion Ratio Lower Upper

156 100

77 185.8 92.5 277.3

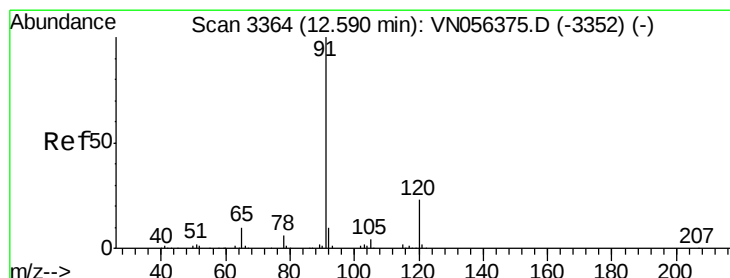
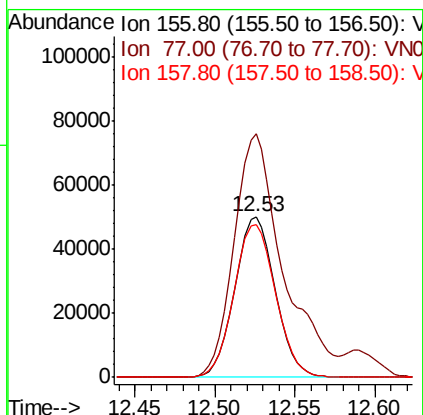
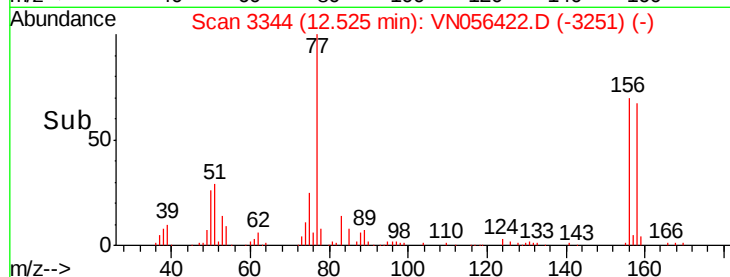
158 98.4 48.7 146.1



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.079 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056422.D

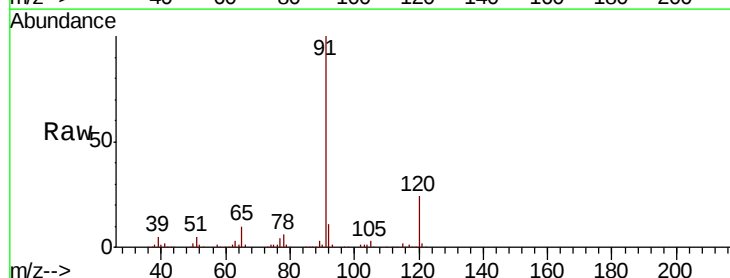
Acq: 21 Jun 2019 13:42

Tgt Ion: 91 Resp: 347967

Ion Ratio Lower Upper

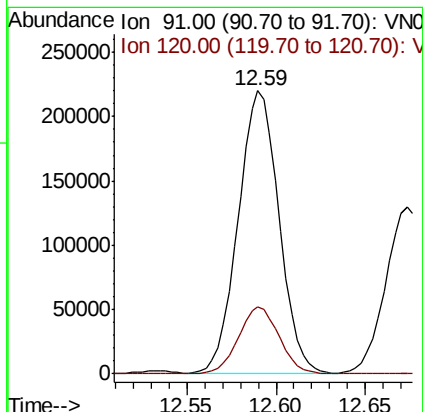
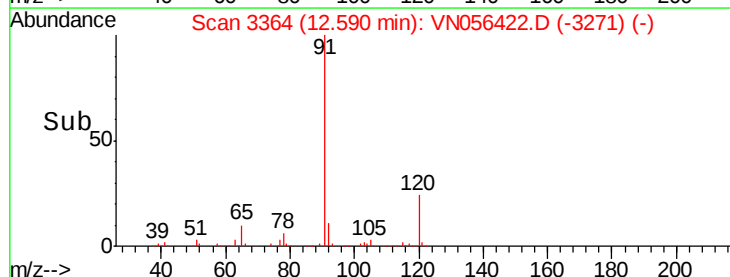
91 100

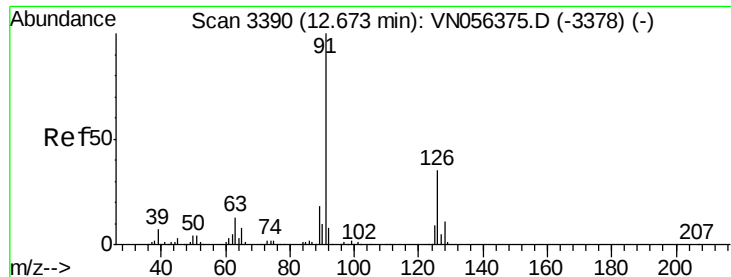
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.708 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

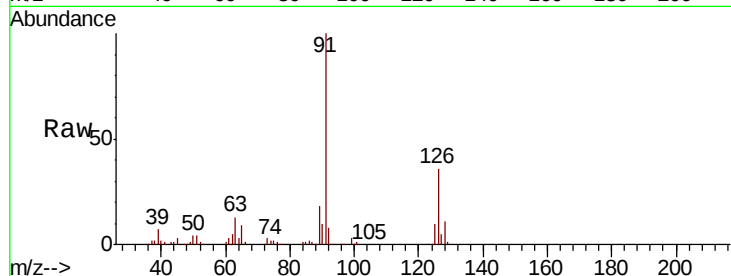
VN0621MBS01

Tot Ion: 91 Resp: 218053

Ion Ratio Lower Upper

91 100

126 35.8 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN056375.D (-3378) (-)

12.67

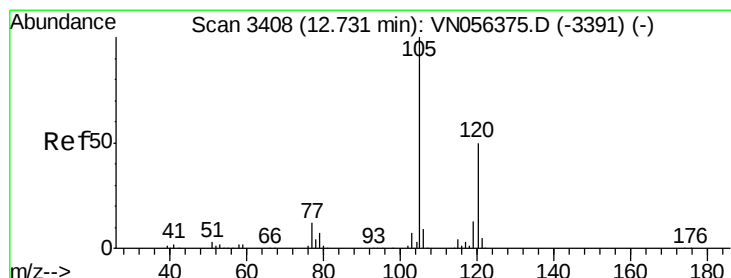
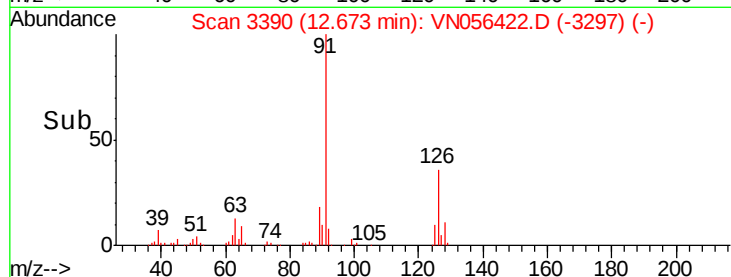
150000

100000

50000

0

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 22.622 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056422.D

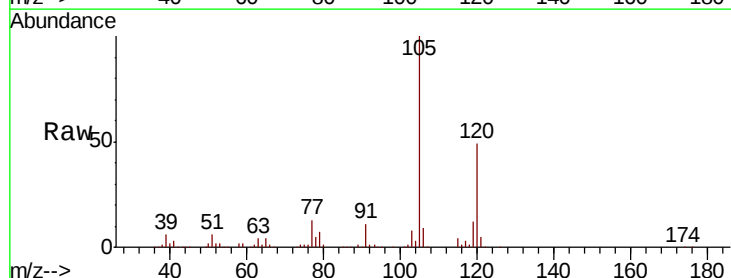
Acq: 21 Jun 2019 13:42

Tgt Ion: 105 Resp: 270674

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VN056375.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN056375.D (-3391) (-)

12.73

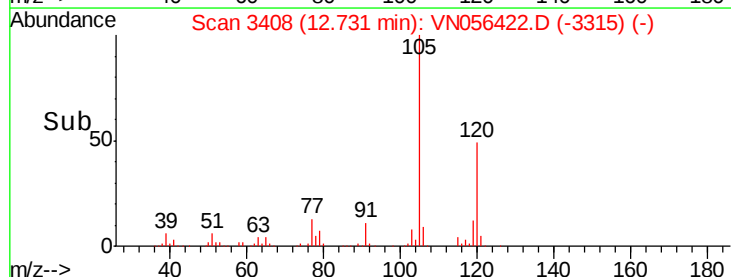
150000

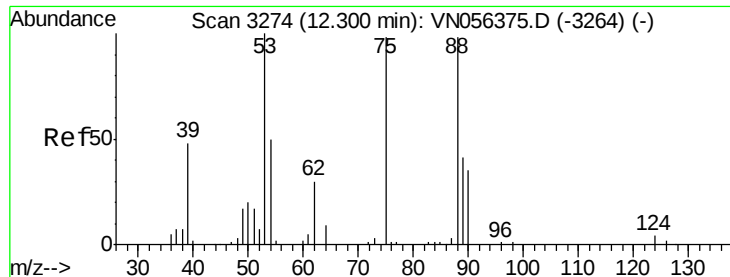
100000

50000

0

Time--> 12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 20.249 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

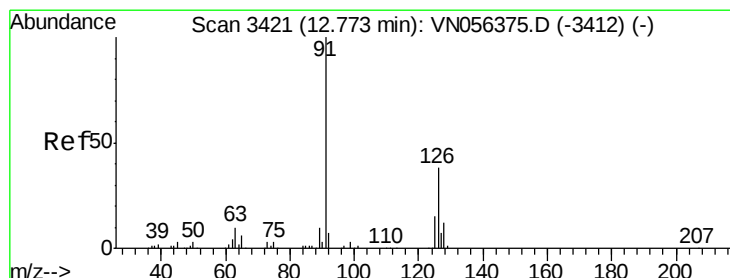
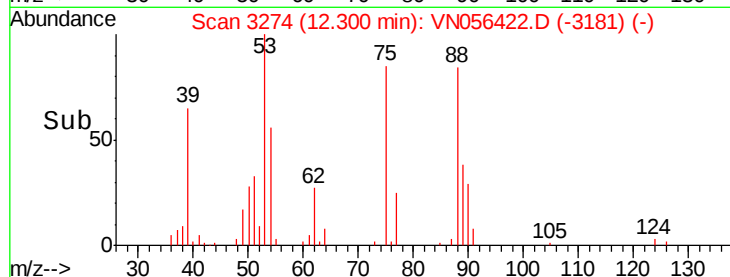
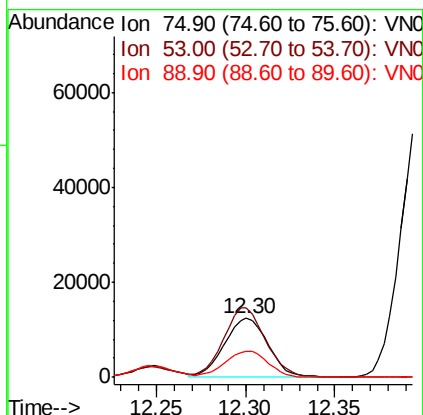
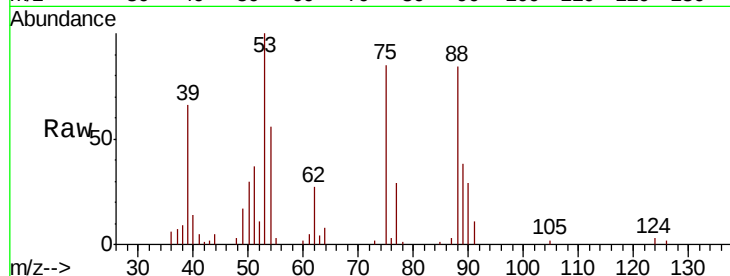
Tot Ion: 75 Resp: 21296

Ion Ratio Lower Upper

75 100

53 113.3 83.9 125.9

89 43.4 35.0 52.6



#82

4-Chlorotoluene

Concen: 20.337 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056422.D

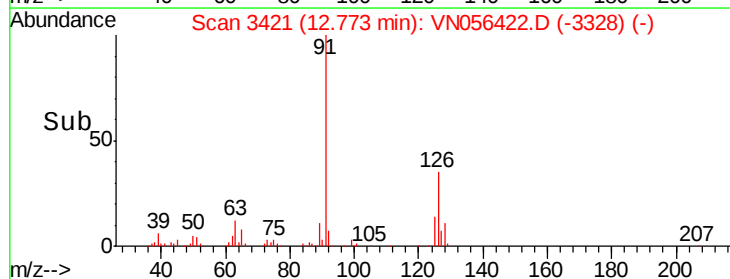
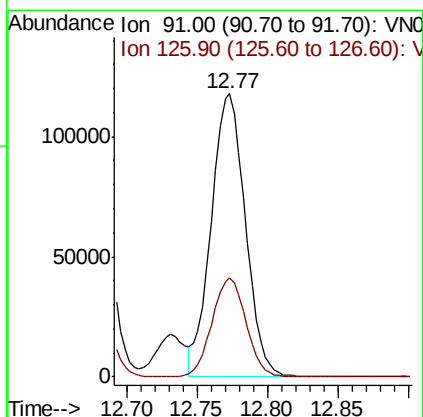
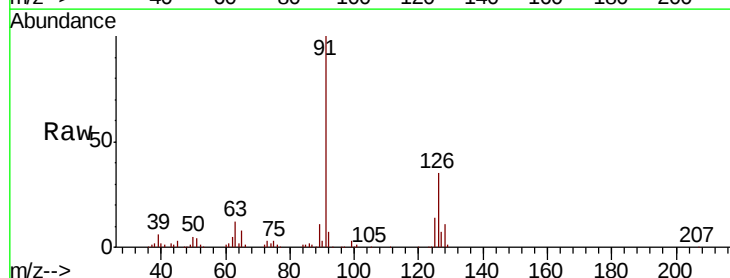
Acq: 21 Jun 2019 13:42

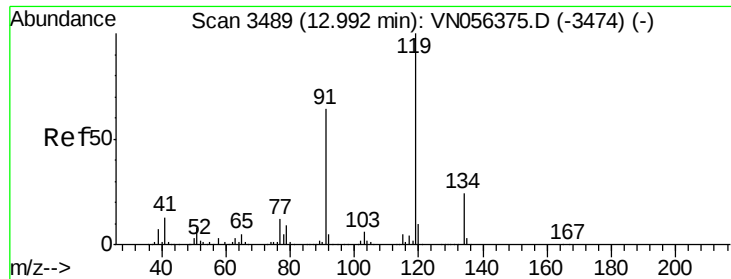
Tgt Ion: 91 Resp: 198220

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0

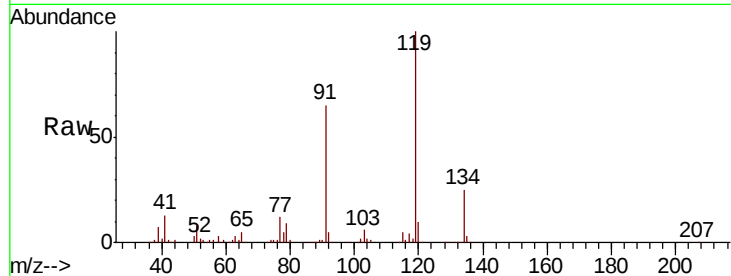




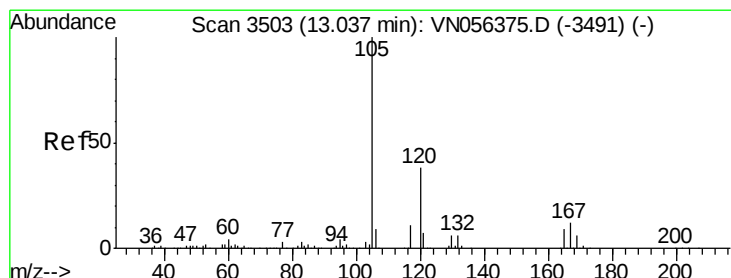
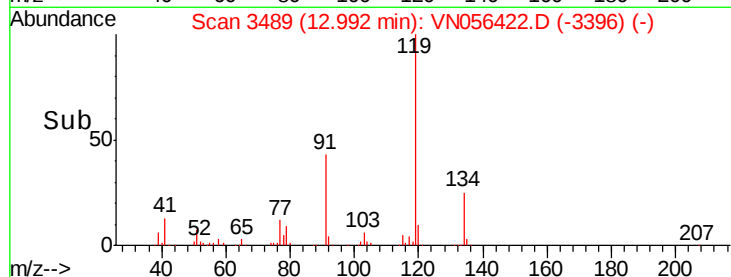
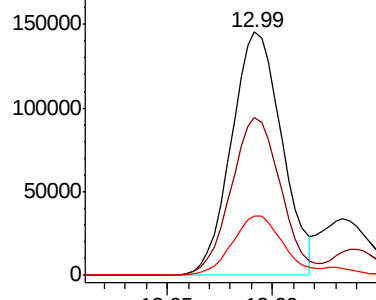
#83
tert-Butylbenzene
Concen: 23.093 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Instrument :
MSVOA_N
ClientSampleId :
VN0621MBS01

Tot Ion:119 Resp: 242966
Ion Ratio Lower Upper
119 100
91 63.8 31.6 94.7
134 24.5 13.2 39.5

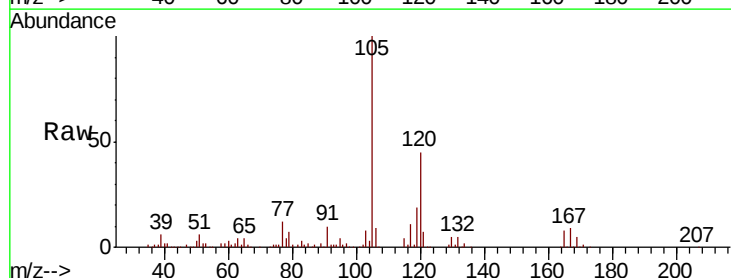


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

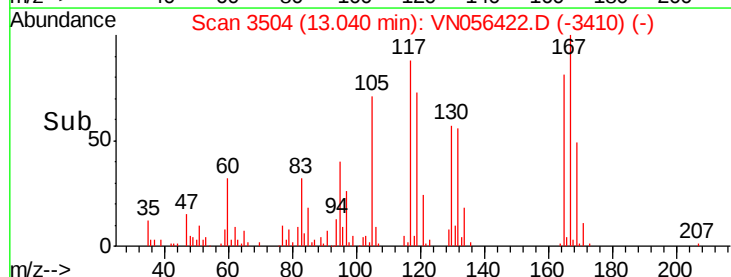
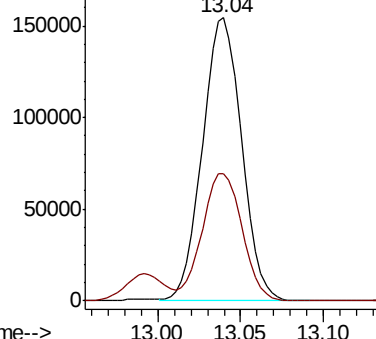


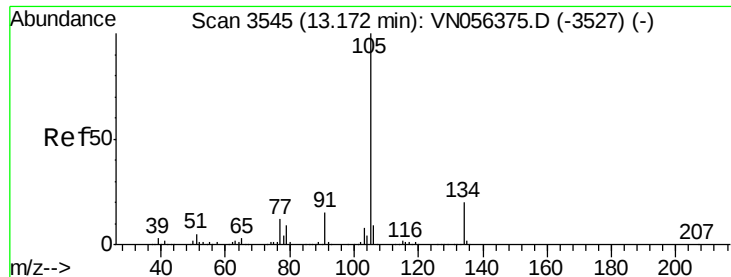
#84
1,2,4-Trimethylbenzene
Concen: 20.854 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN056422.D
Acq: 21 Jun 2019 13:42

Tgt Ion:105 Resp: 253075
Ion Ratio Lower Upper
105 100
120 46.1 22.9 68.8



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

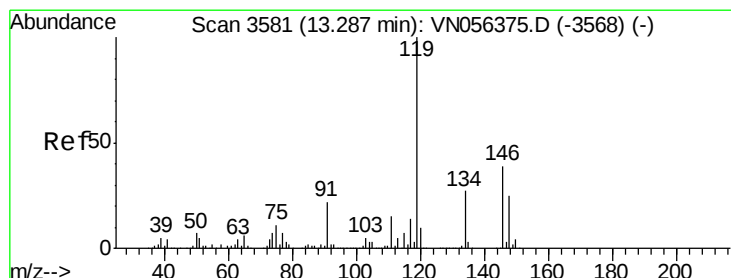
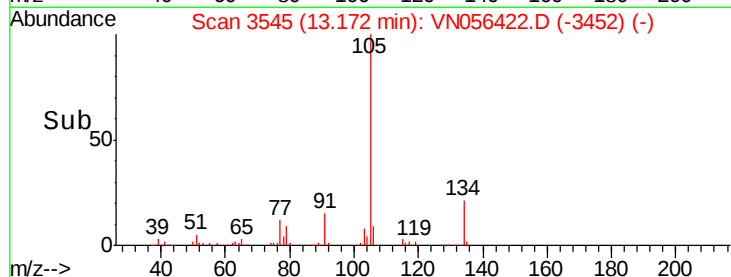
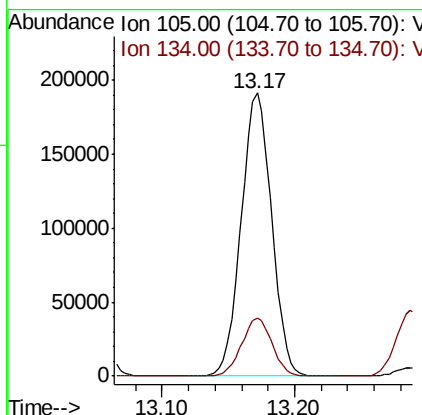
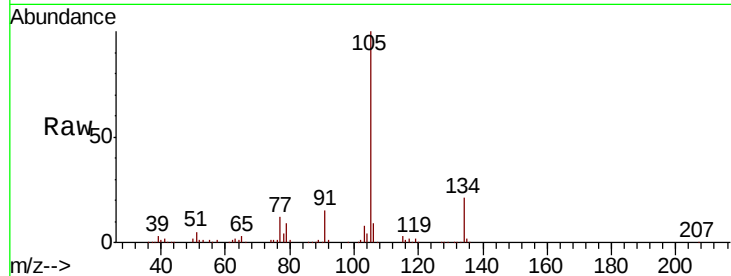




#85
 sec-Butylbenzene
 Concen: 20.996 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

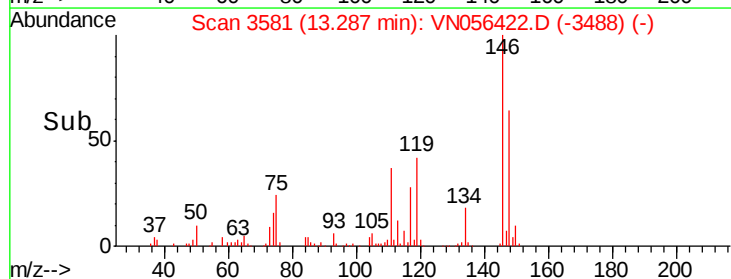
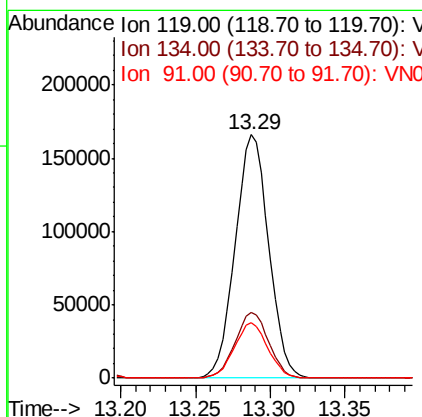
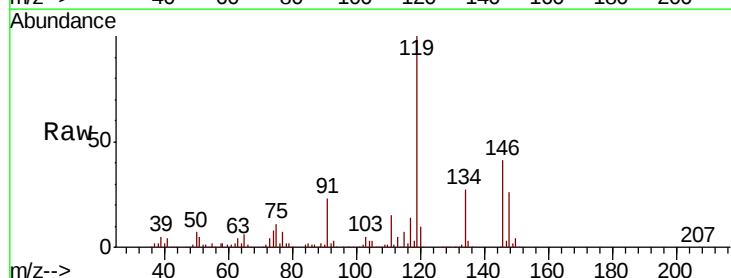
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

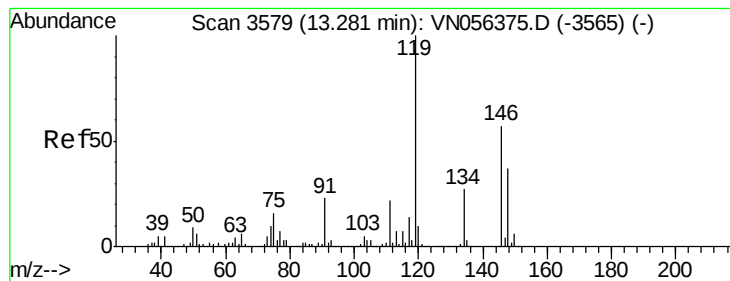
Tot Ion:105 Resp: 304642
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 20.774 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Tgt Ion:119 Resp: 258681
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 22.6 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.296 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampled :

VN0621MBS01

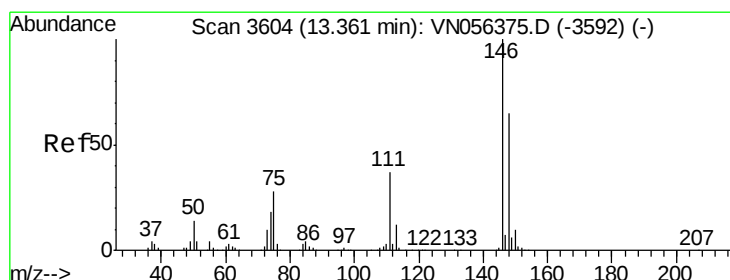
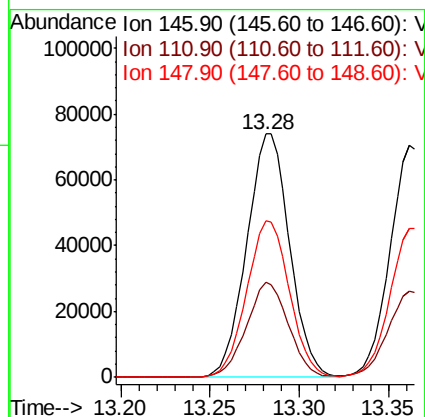
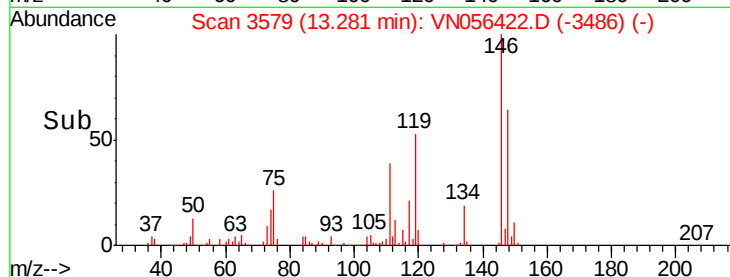
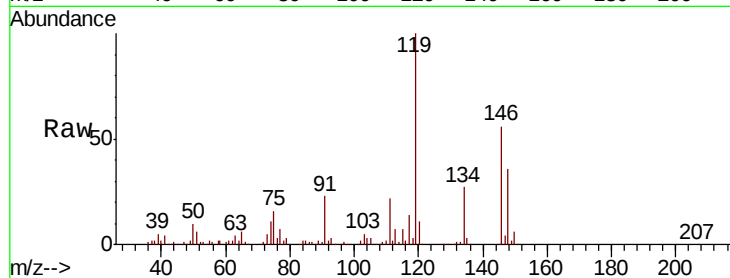
Tot Ion:146 Resp: 123977

Ion Ratio Lower Upper

146 100

111 38.3 18.9 56.9

148 64.2 32.1 96.5



#88

1,4-Dichlorobenzene

Concen: 19.915 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

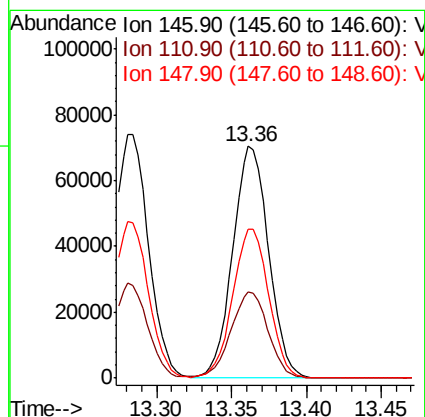
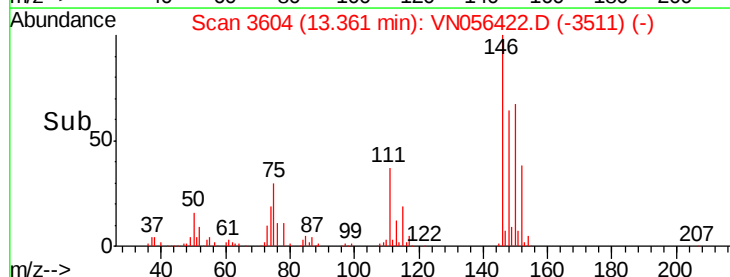
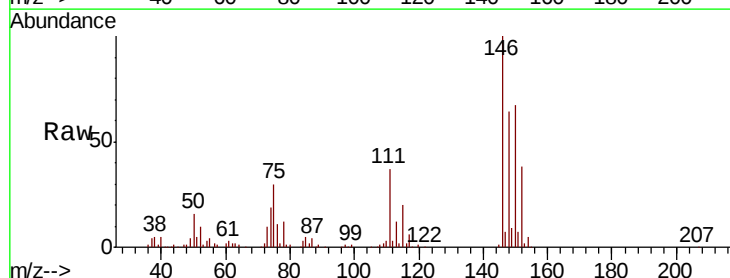
Tgt Ion:146 Resp: 117816

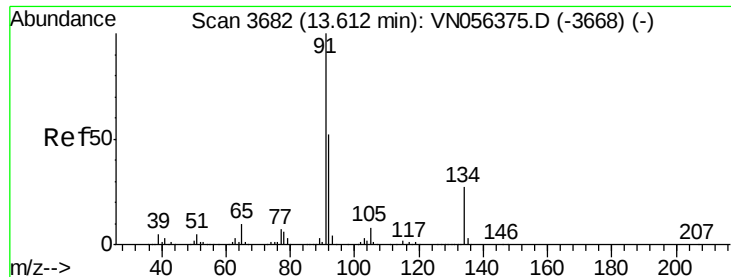
Ion Ratio Lower Upper

146 100

111 38.5 18.4 55.4

148 64.5 32.4 97.0





#89

n-Butylbenzene

Concen: 18.659 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

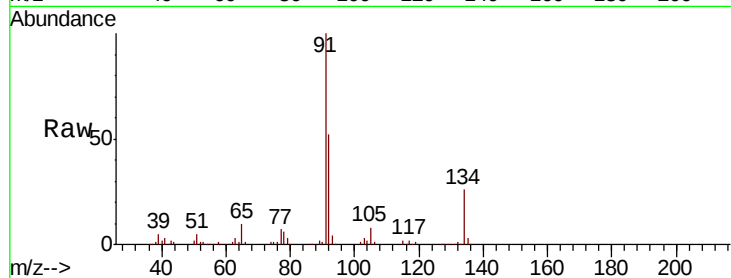
Tot Ion: 91 Resp: 175895

Ion Ratio Lower Upper

91 100

92 51.6 26.2 78.5

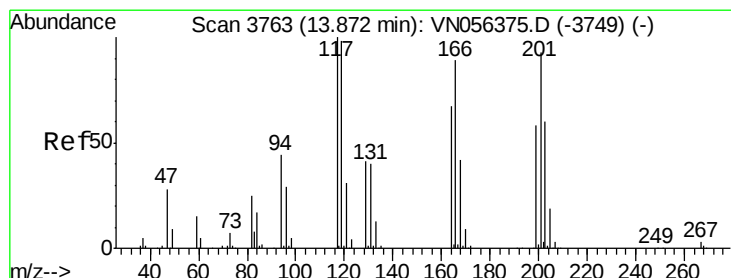
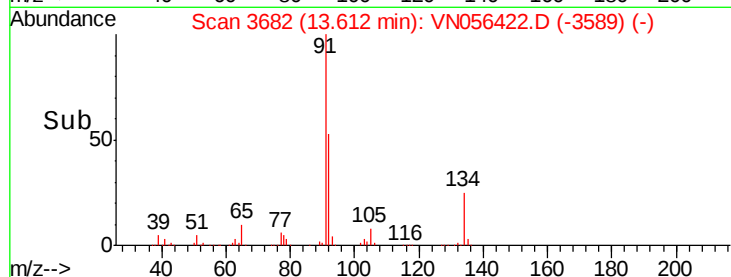
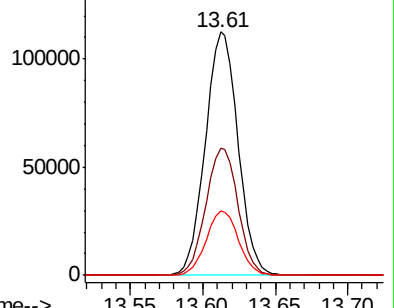
134 26.3 13.4 40.2



Abundance Ion 91.00 (90.70 to 91.70): VN056375.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN056375.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN056375.D (-3668) (-)



#90

Hexachloroethane

Concen: 20.087 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056422.D

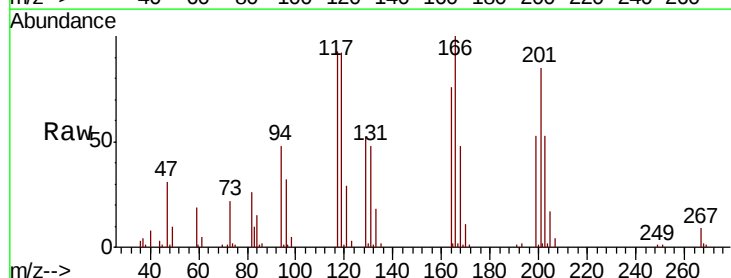
Acq: 21 Jun 2019 13:42

Tgt Ion: 117 Resp: 38996

Ion Ratio Lower Upper

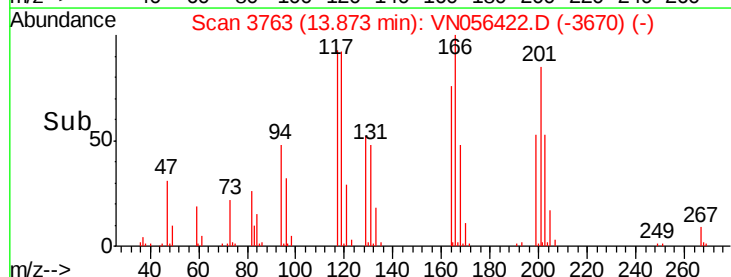
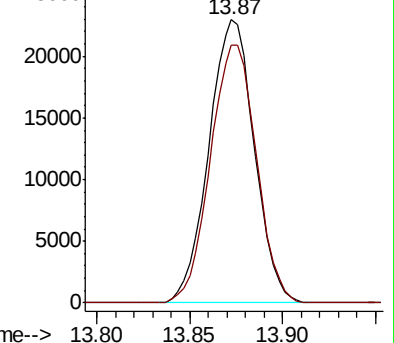
117 100

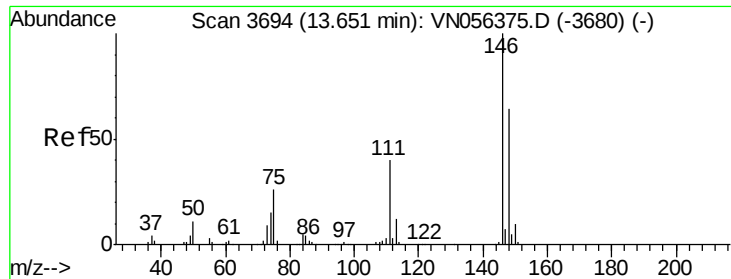
201 92.2 45.9 137.6



Abundance Ion 116.80 (116.50 to 117.50): VN056375.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN056375.D (-3749) (-)

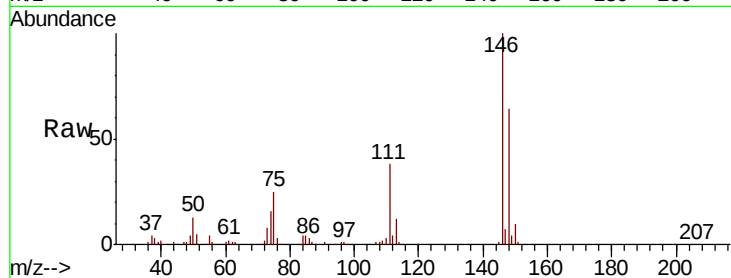




#91
 1,2-Dichlorobenzene
 Concen: 21.011 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0621MBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.9
148	63.5	32.0	96.0

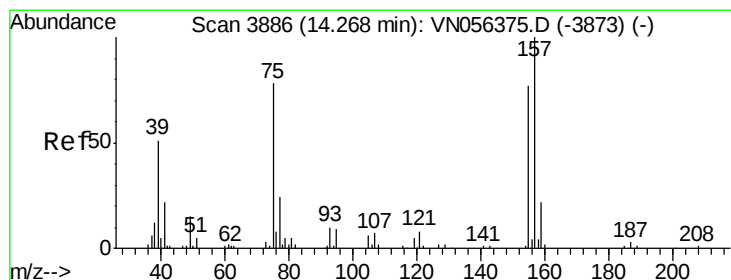
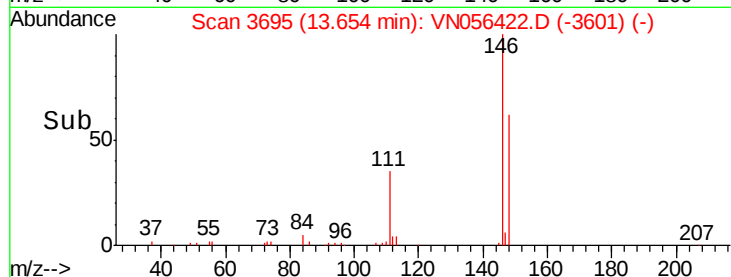
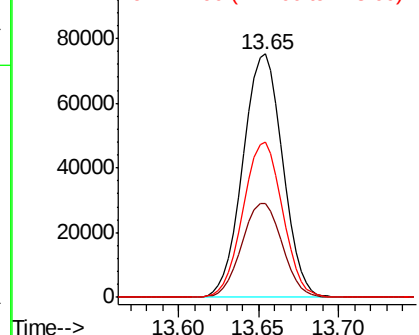


Abundance

Ion 145.90 (145.60 to 146.60): V

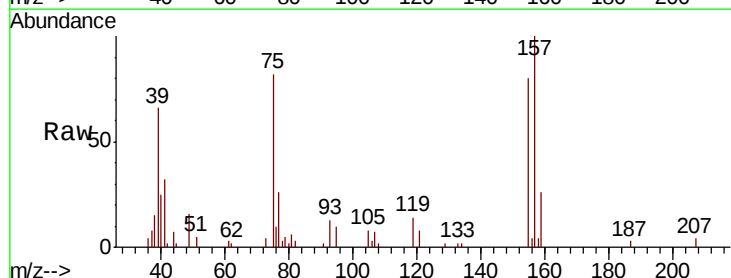
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.929 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN056422.D
 Acq: 21 Jun 2019 13:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	48.9	146.8
157	124.1	62.9	188.8

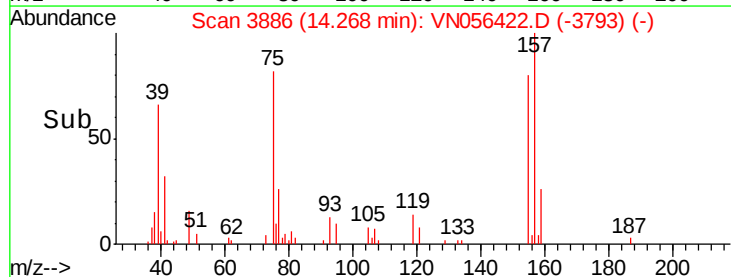
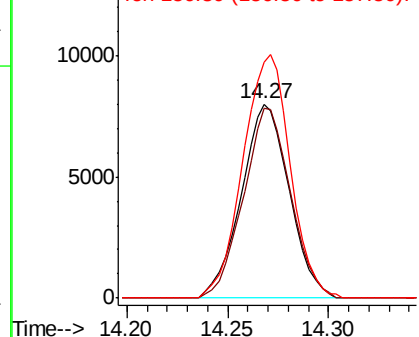


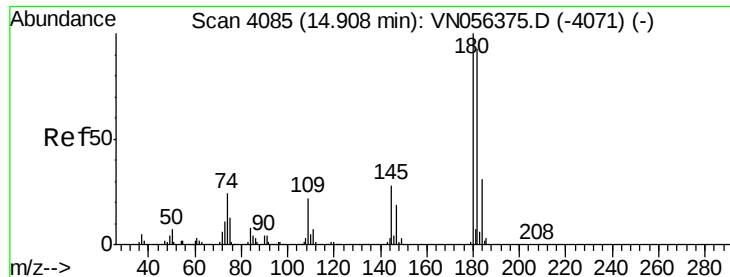
Abundance

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: 17.391 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

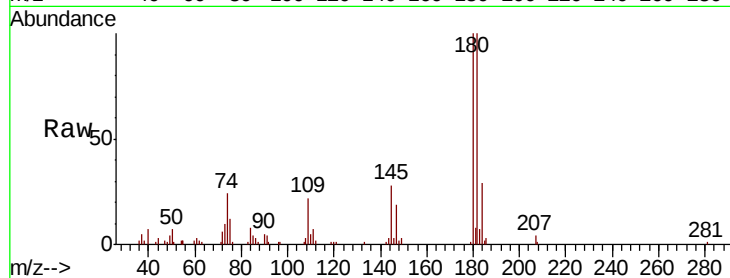
Tot Ion:180 Resp: 41868

Ion Ratio Lower Upper

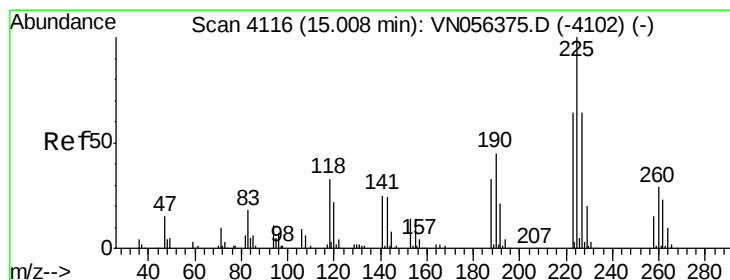
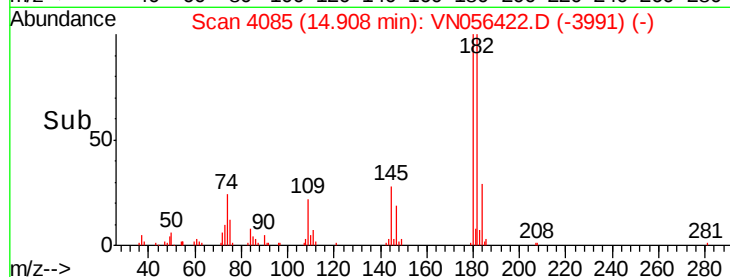
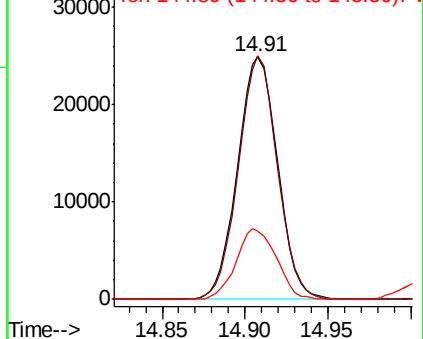
180 100

182 97.7 46.9 140.6

145 29.2 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.935 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

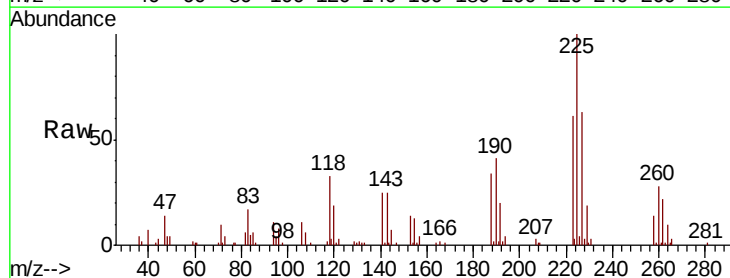
Tgt Ion:225 Resp: 45239

Ion Ratio Lower Upper

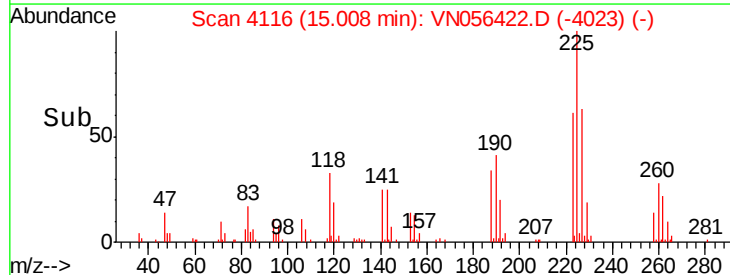
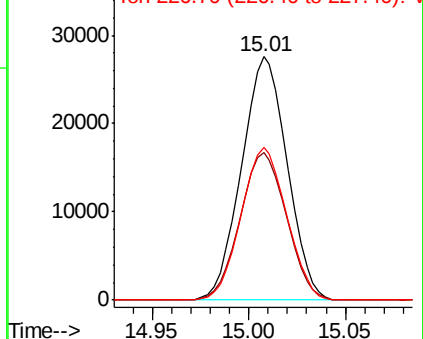
225 100

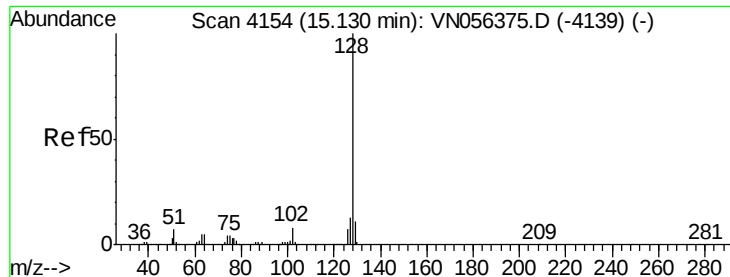
223 61.7 31.4 94.3

227 62.3 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.568 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

Instrument :

MSVOA_N

ClientSampleId :

VN0621MBS01

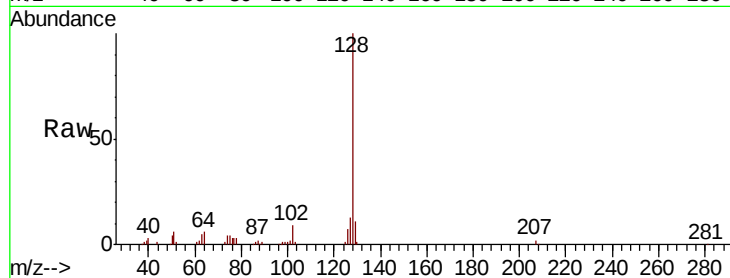
Tot Ion:128 Resp: 122769

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

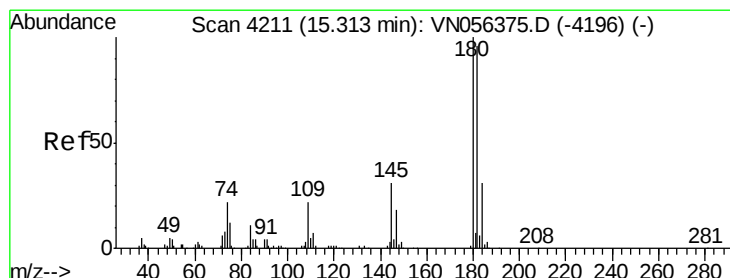
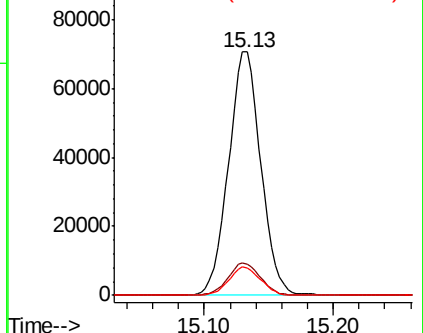
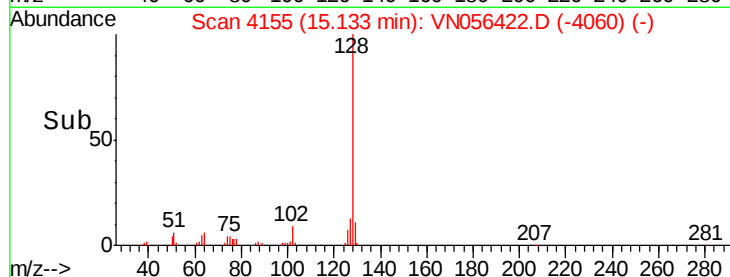
129 11.4 8.6 12.8



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: 18.550 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN056422.D

Acq: 21 Jun 2019 13:42

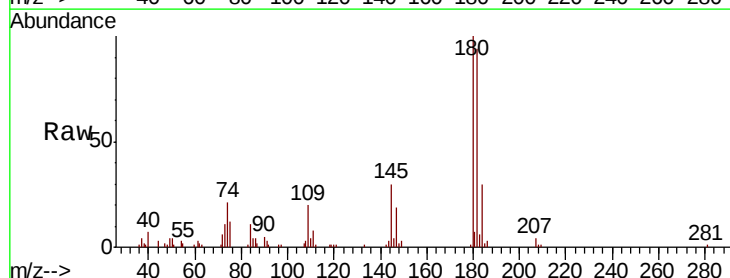
Tgt Ion:180 Resp: 50537

Ion Ratio Lower Upper

180 100

182 95.7 48.3 144.8

145 31.4 15.4 46.1



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

