

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052819\
 Data File : VN055856.D
 Acq On : 28 May 2019 16:37
 Operator : JC/SP
 Sample : VN0528MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Quant Time: May 29 05:38:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	364235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	523767	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	453316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	188386	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	186643	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
35) Dibromofluoromethane	7.59	113	167263	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	10.09	98	627120	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.40	95	203539	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	44681	18.227	ug/l	99
3) Chloromethane	2.06	50	61546	17.920	ug/l	99
4) Vinyl Chloride	2.18	62	68611	18.729	ug/l	98
5) Bromomethane	2.54	94	45873	20.016	ug/l	99
6) Chloroethane	2.69	64	42943	19.470	ug/l	100
7) Trichlorofluoromethane	3.01	101	93436	19.455	ug/l	99
8) Diethyl Ether	3.40	74	41446	19.254	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	58170	19.403	ug/l	99
10) Methyl Iodide	3.94	142	90826	20.722	ug/l	99
11) Tert butyl alcohol	4.81	59	76683	106.696	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	59252	19.128	ug/l	98
13) Acrolein	3.60	56	42087	81.782	ug/l	97
14) Allyl chloride	4.31	41	99469	18.731	ug/l	98
15) Acrylonitrile	4.99	53	165946	100.553	ug/l	99
16) Acetone	3.82	43	138610	83.829	ug/l	97
17) Carbon Disulfide	4.04	76	147570	16.767	ug/l	99
18) Methyl Acetate	4.33	43	74346	21.394	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	202350	19.586	ug/l	99
20) Methylene Chloride	4.54	84	69727	19.472	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	62960	18.918	ug/l	99
22) Diisopropyl ether	5.96	45	200384	19.401	ug/l	98
23) Vinyl Acetate	5.90	43	851178	96.118	ug/l	100
24) 1,1-Dichloroethane	5.84	63	117173	19.485	ug/l	98
25) 2-Butanone	6.84	43	219117	94.888	ug/l	100
26) 2,2-Dichloropropane	6.82	77	84737	16.282	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	76730	19.762	ug/l	97
28) Bromochloromethane	7.19	49	57821	20.195	ug/l	96
29) Tetrahydrofuran	7.22	42	148801	101.754	ug/l	99
30) Chloroform	7.37	83	119456	19.918	ug/l	98
31) Cyclohexane	7.65	56	106427	18.850	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	104288	19.487	ug/l	99
36) 1,1-Dichloropropene	7.79	75	85490	18.730	ug/l	99
37) Ethyl Acetate	6.93	43	90322	20.474	ug/l	97
38) Carbon Tetrachloride	7.77	117	90053	18.941	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	105493	18.664	ug/l	99
40) Benzene	8.04	78	274538	19.957	ug/l	99
41) Methacrylonitrile	7.17	41	45053	20.215	ug/l	96
42) 1,2-Dichloroethane	8.12	62	90974	20.239	ug/l	99
43) Isopropyl Acetate	8.17	43	141500	19.090	ug/l #	93
44) Trichloroethene	8.84	130	78023	20.345	ug/l	95
45) 1,2-Dichloropropane	9.12	63	71051	19.824	ug/l	99
46) Dibromomethane	9.21	93	48198	20.505	ug/l	97
47) Bromodichloromethane	9.40	83	91395	18.963	ug/l	100
48) Methyl methacrylate	9.20	41	69750	20.418	ug/l	99
49) 1,4-Dioxane	9.20	88	28980	408.235	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	443308	101.268	ug/l	100
52) Toluene	10.16	92	173930	20.104	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	93165	18.109	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	105922	18.585	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	70976	20.478	ug/l	98
56) Ethyl methacrylate	10.43	69	104744	19.554	ug/l	98
57) 1,3-Dichloropropane	10.71	76	113997	20.234	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	185260	90.501	ug/l	100
59) 2-Hexanone	10.75	43	299710	96.509	ug/l	100
60) Dibromochloromethane	10.90	129	76523	18.952	ug/l	99
61) 1,2-Dibromoethane	11.01	107	72216	20.088	ug/l	99
64) Tetrachloroethene	10.63	164	79715	20.849	ug/l	97
65) Chlorobenzene	11.43	112	187524	20.664	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	71756	19.825	ug/l	100
67) Ethyl Benzene	11.51	91	323939	19.905	ug/l	98
68) m/p-Xylenes	11.62	106	248045	40.317	ug/l	98
69) o-Xylene	11.95	106	122807	20.119	ug/l	98
70) Styrene	11.96	104	196900	19.920	ug/l	99
71) Bromoform	12.13	173	56861	18.418	ug/l #	99
73) Isopropylbenzene	12.25	105	323162	22.657	ug/l	100
74) N-amyl acetate	12.07	43	112957	20.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	95763	22.293	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	112883	33.778	ug/l #	100
77) Bromobenzene	12.53	156	85298	21.219	ug/l	97
78) n-propylbenzene	12.59	91	330796	20.203	ug/l	99
79) 2-Chlorotoluene	12.67	91	205111	21.820	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	260095	21.605	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	24492	17.493	ug/l	93
82) 4-Chlorotoluene	12.77	91	191678	19.915	ug/l	100
83) tert-Butylbenzene	12.99	119	234147	22.341	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	256071	21.400	ug/l	99
85) sec-Butylbenzene	13.17	105	292257	21.709	ug/l	99
86) p-Isopropyltoluene	13.29	119	263073	20.108	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	128646	20.210	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	121079	20.007	ug/l	100
89) n-Butylbenzene	13.61	91	184867	18.442	ug/l	99
90) Hexachloroethane	13.87	117	47258	18.978	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	130081	20.483	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15626	18.720	ug/l	97

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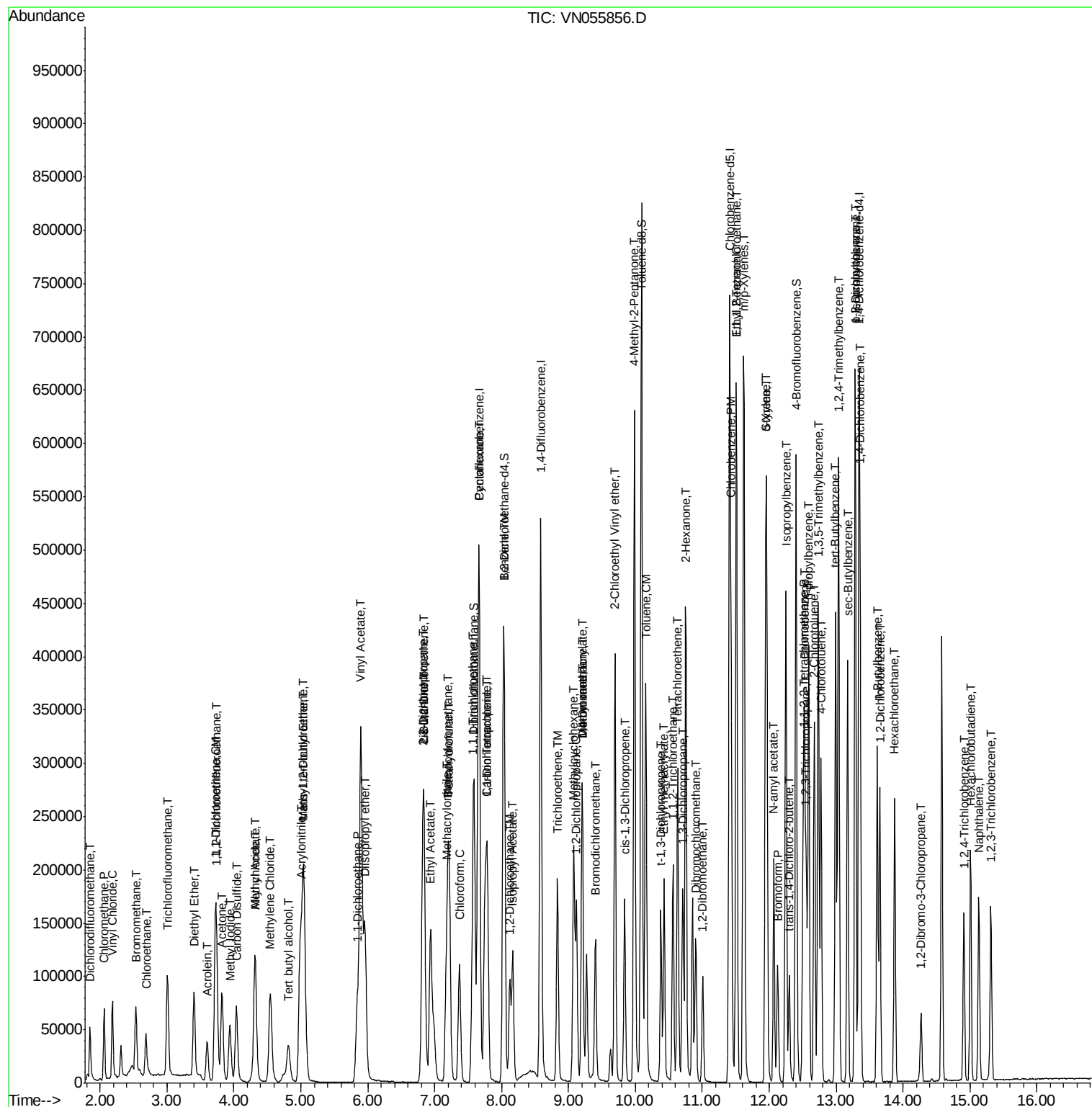
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	56885	18.073	ug/l	99
94) Hexachlorobutadiene	15.01	225	48769	20.752	ug/l	98
95) Naphthalene	15.13	128	158757	18.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	64281	19.148	ug/l	99

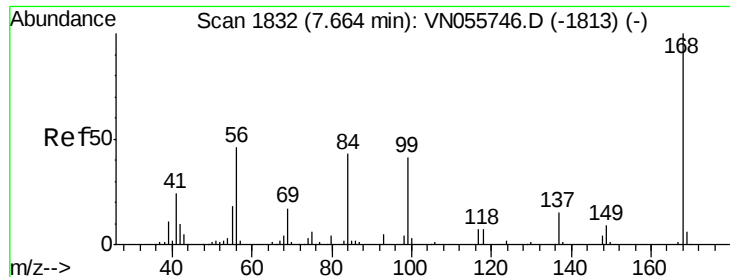
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052819\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

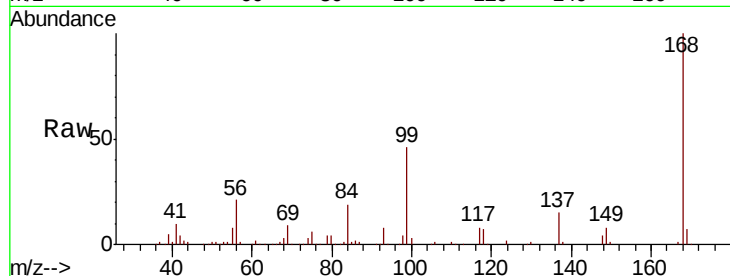
VN0528MBS01

Tot Ion:168 Resp: 364235

Ion Ratio Lower Upper

168 100

99 45.6 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): VN055746.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN055746.D (-1813) (-)

7.66

150000

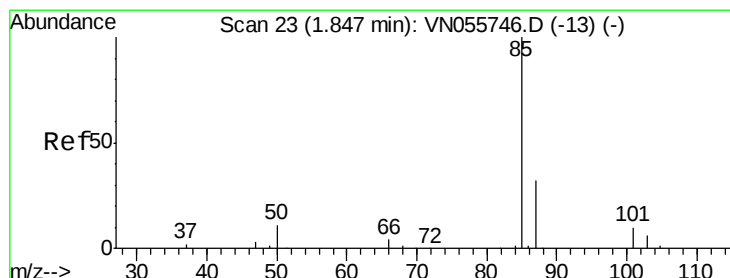
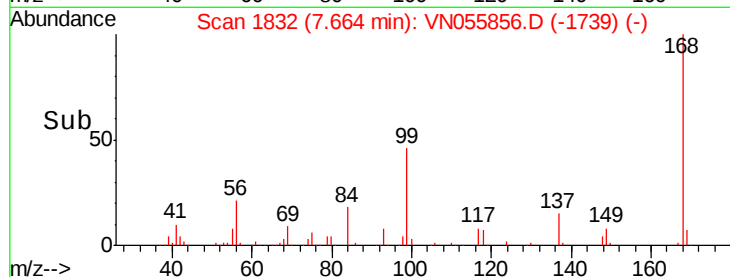
100000

50000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 18.227 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055856.D

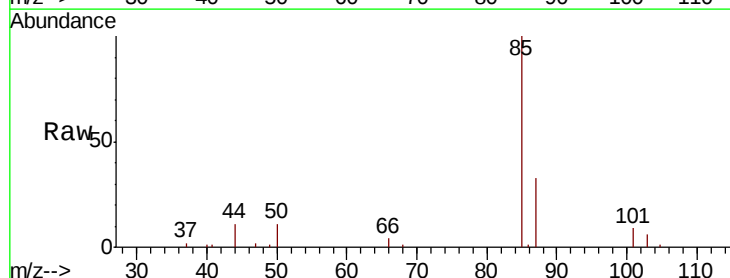
Acq: 28 May 2019 16:37

Tgt Ion: 85 Resp: 44681

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN055746.D (-13) (-)

Ion 86.90 (86.60 to 87.60): VN055746.D (-13) (-)

1.85

30000

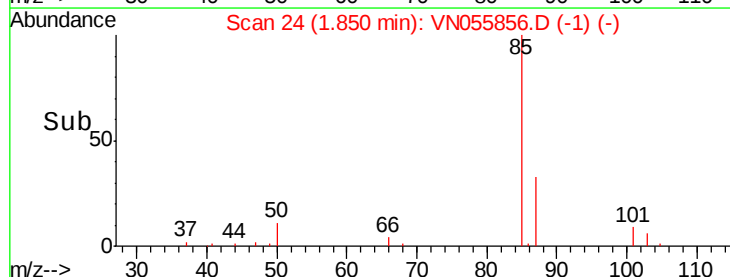
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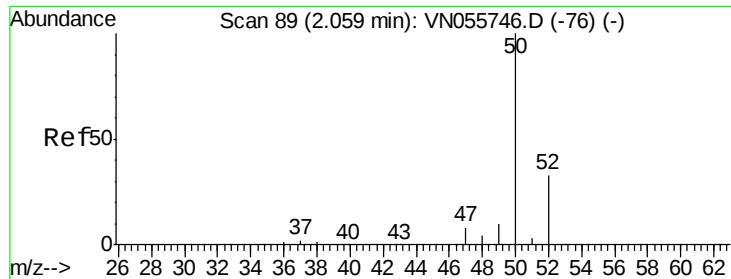
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.920 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

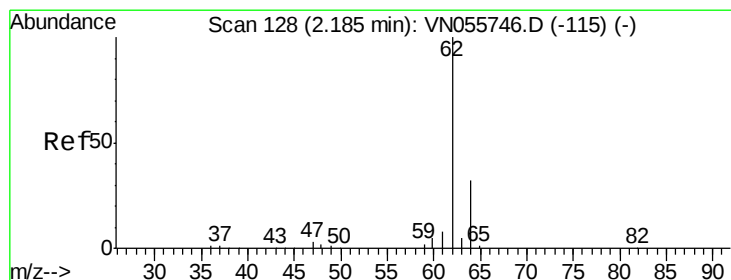
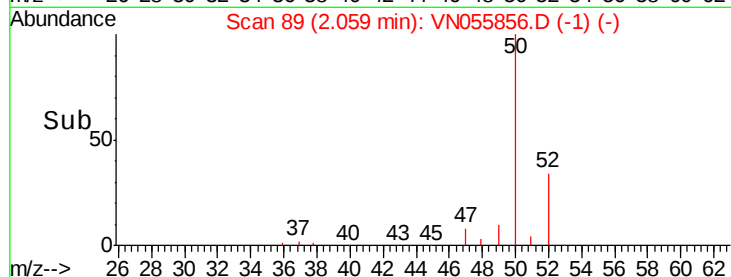
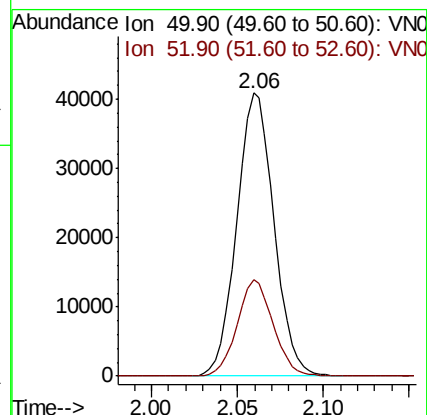
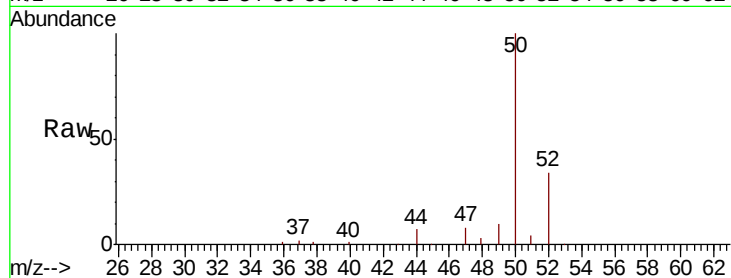
VN0528MBS01

Tot Ion: 50 Resp: 61546

Ion Ratio Lower Upper

50 100

52 34.0 26.6 40.0



#4

Vinyl Chloride

Concen: 18.729 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN055856.D

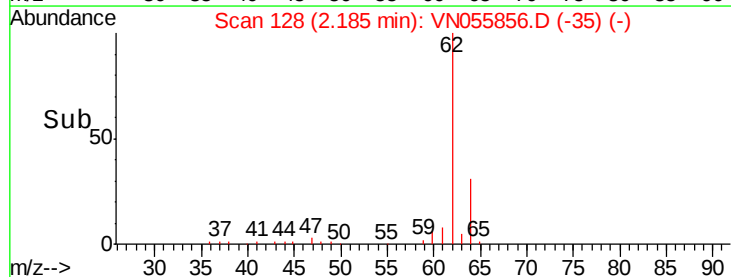
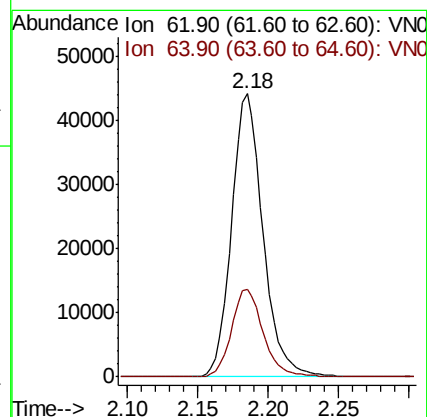
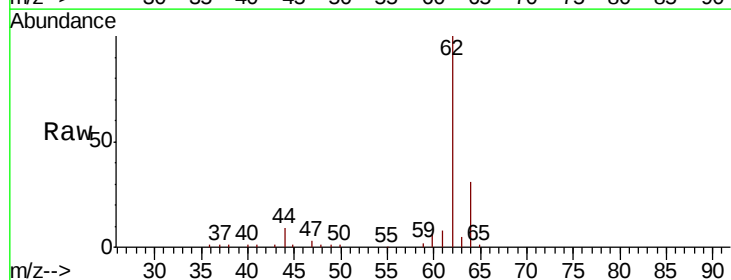
Acq: 28 May 2019 16:37

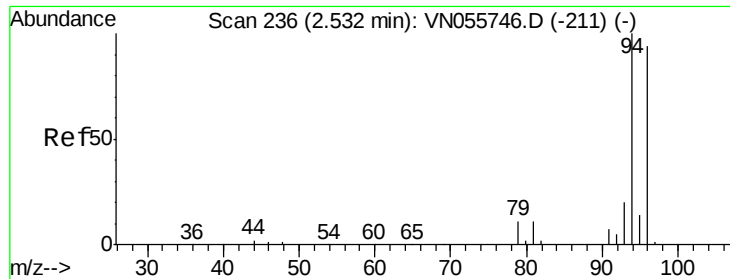
Tgt Ion: 62 Resp: 68611

Ion Ratio Lower Upper

62 100

64 31.0 25.6 38.4

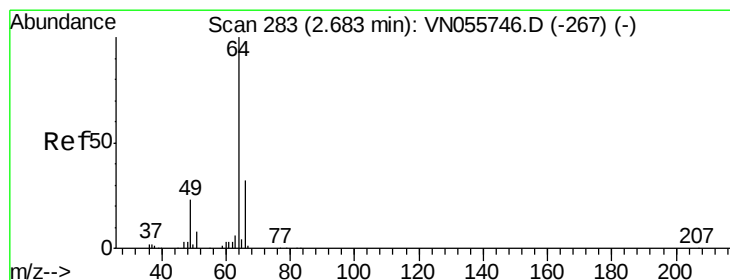
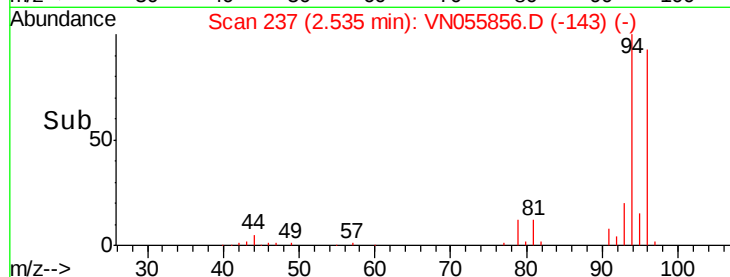
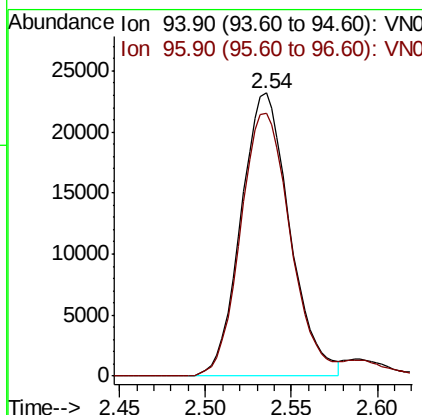
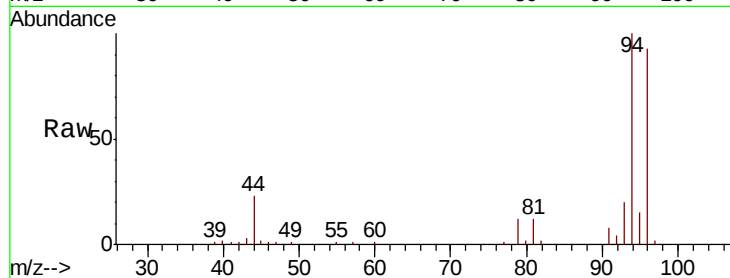




#5
Bromomethane
Concen: 20.016 ug/l
RT: 2.54 min Scan# 237
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

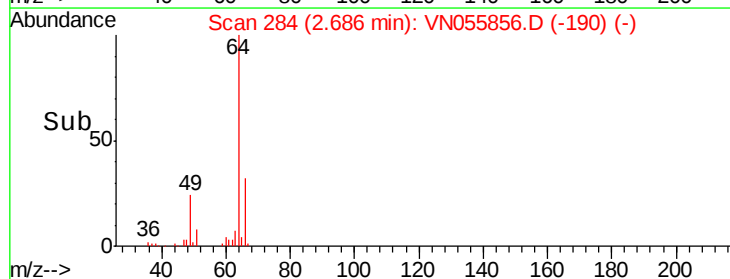
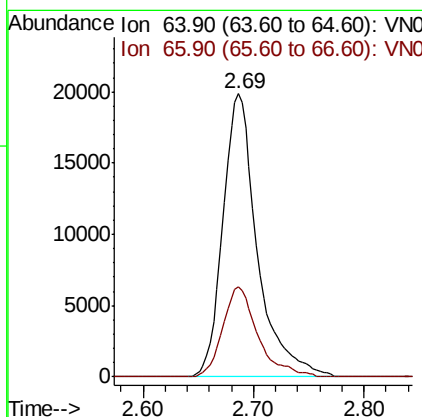
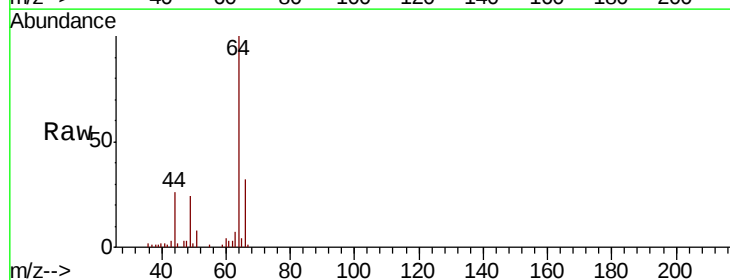
Instrument :
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VN0528MBS01

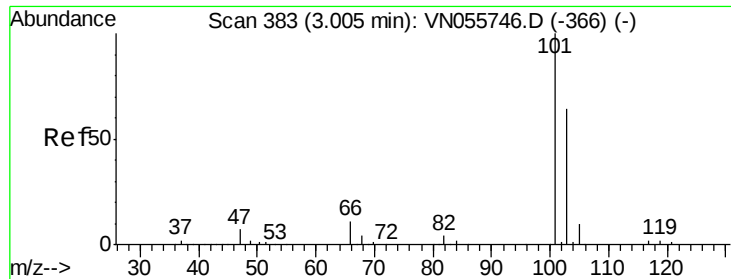
Tot Ion: 94 Resp: 45873
Ion Ratio Lower Upper
94 100
96 93.0 75.5 113.3



#6
Chloroethane
Concen: 19.470 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 64 Resp: 42943
Ion Ratio Lower Upper
64 100
66 31.7 25.4 38.0



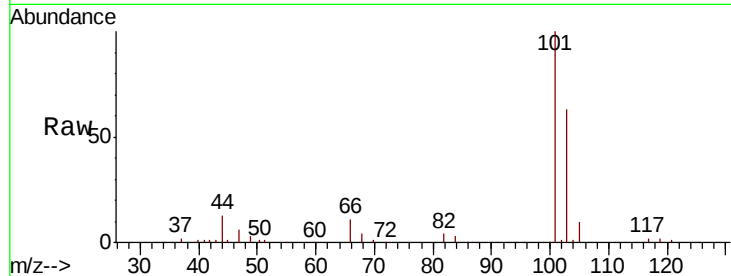


#7

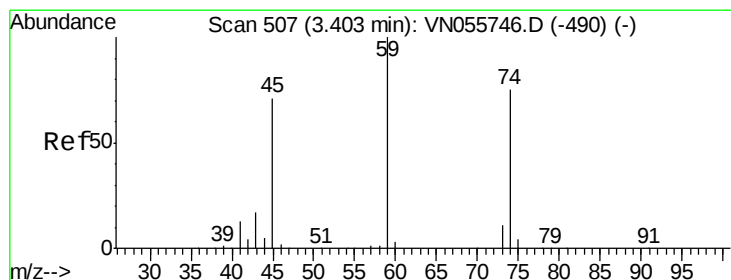
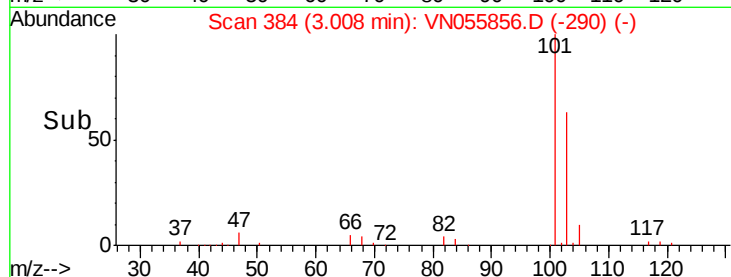
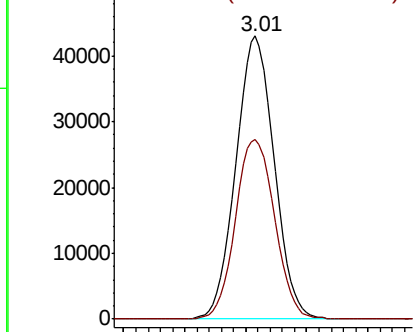
Trichlorofluoromethane
 Concen: 19.455 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion:101 Resp: 93436
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.2 76.8



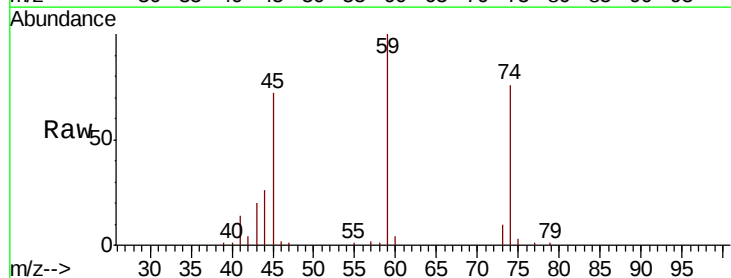
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



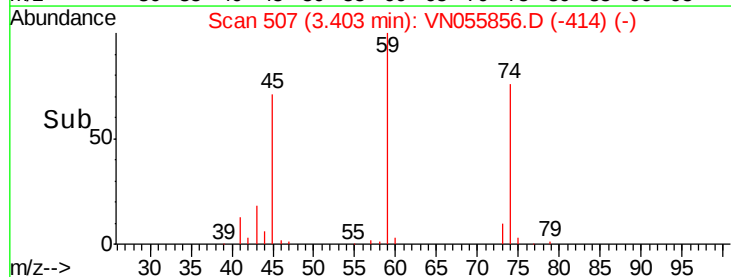
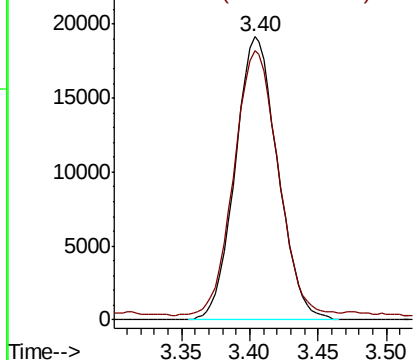
#8

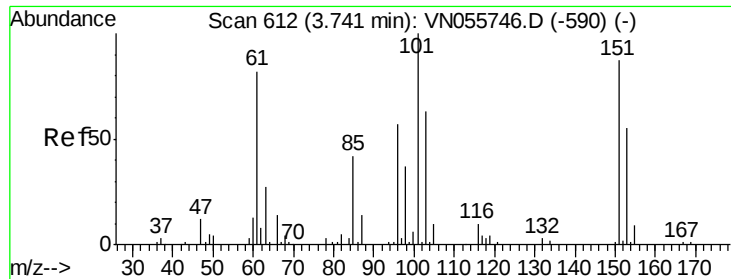
Diethyl Ether
 Concen: 19.254 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion: 74 Resp: 41446
 Ion Ratio Lower Upper
 74 100
 45 96.3 48.6 145.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.403 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

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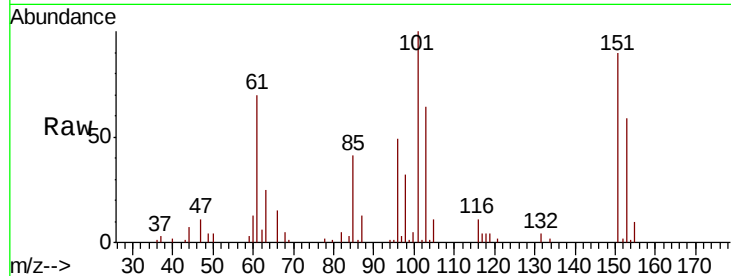
Tot Ion:101 Resp: 58170

Ion Ratio Lower Upper

101 100

85 41.2 33.4 50.2

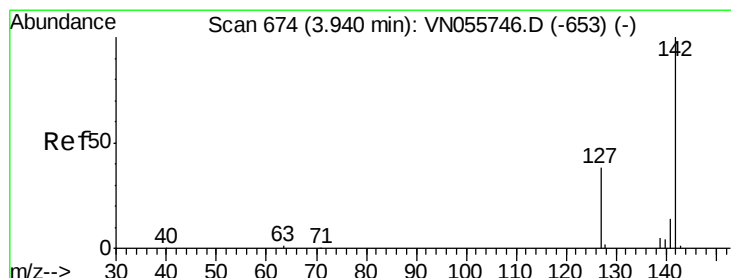
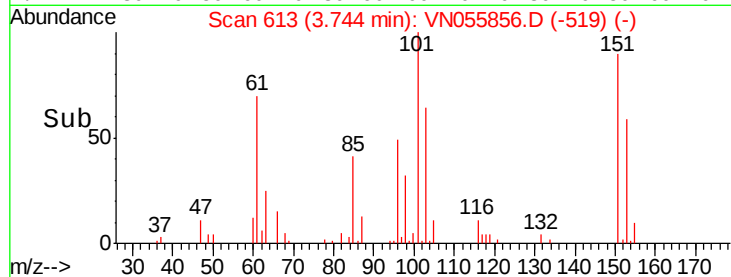
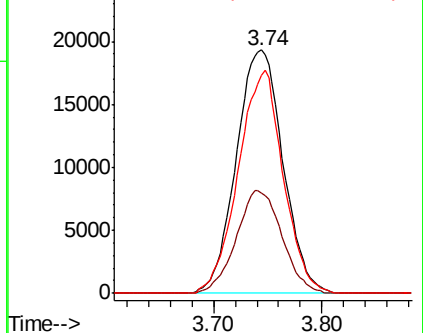
151 88.0 69.4 104.2



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: 20.722 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

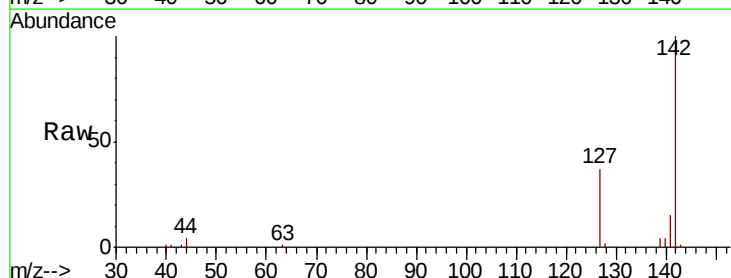
Tgt Ion:142 Resp: 90826

Ion Ratio Lower Upper

142 100

127 37.6 31.0 46.4

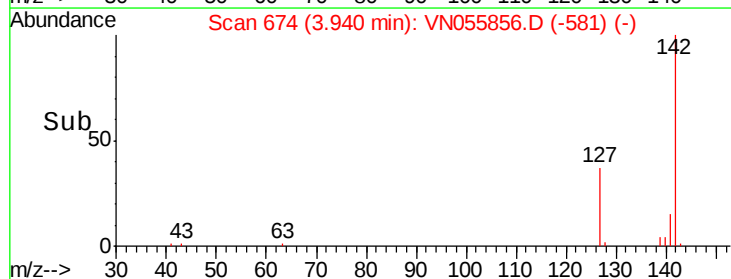
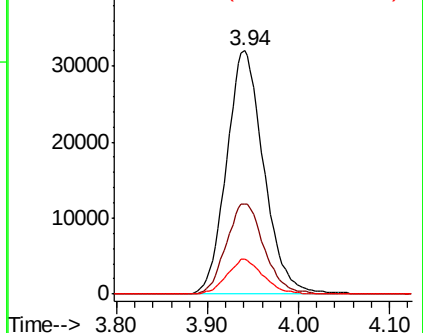
141 14.0 11.4 17.0

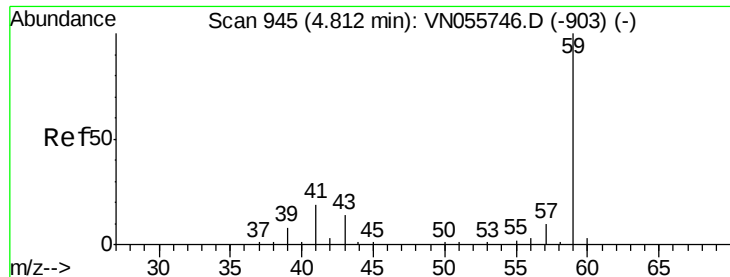


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

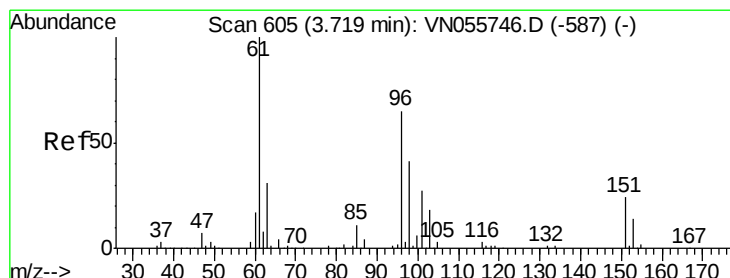
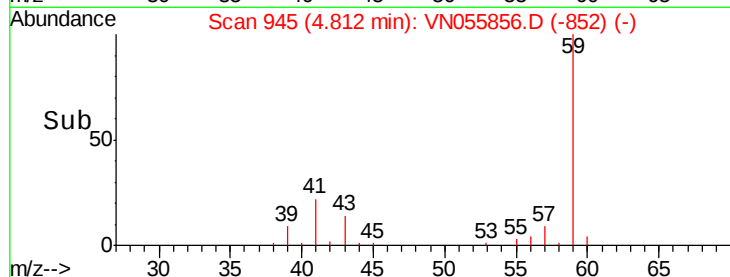
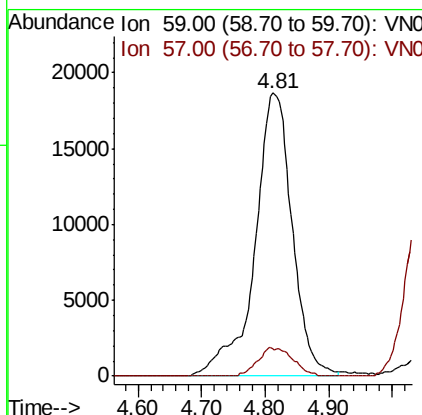
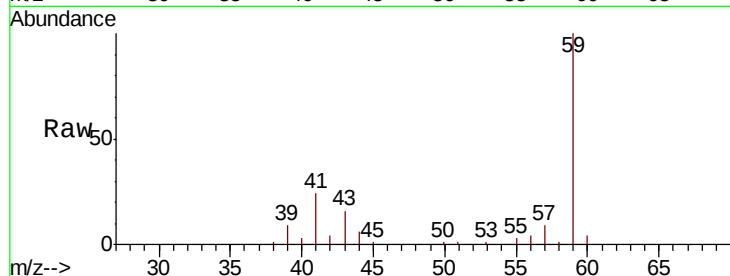




#11
Tert butyl alcohol
Concen: 106.696 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

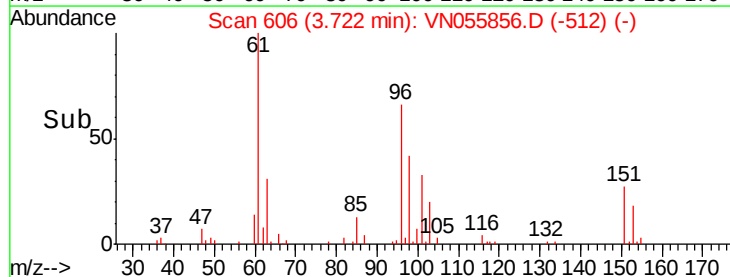
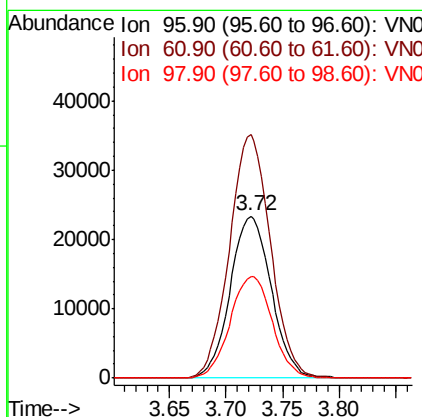
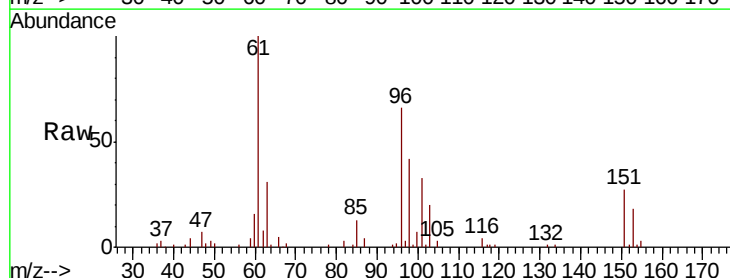
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

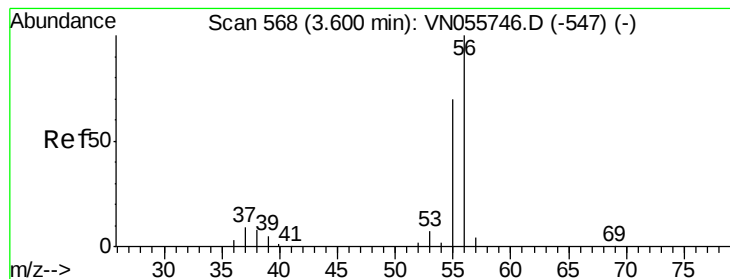
Tot Ion: 59 Resp: 76683
Ion Ratio Lower Upper
59 100
57 4.6 7.8 11.6#



#12
1,1-Dichloroethene
Concen: 19.128 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 96 Resp: 59252
Ion Ratio Lower Upper
96 100
61 150.4 123.2 184.8
98 62.8 50.4 75.6





#13

Acrolein

Concen: 81.782 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

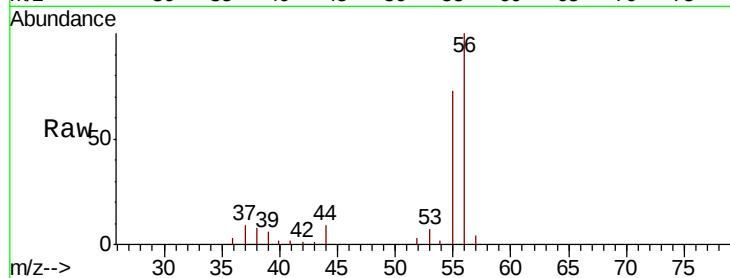
VN0528MBS01

Tot Ion: 56 Resp: 42087

Ion Ratio Lower Upper

56 100

55 71.6 55.4 83.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

20000

15000

10000

5000

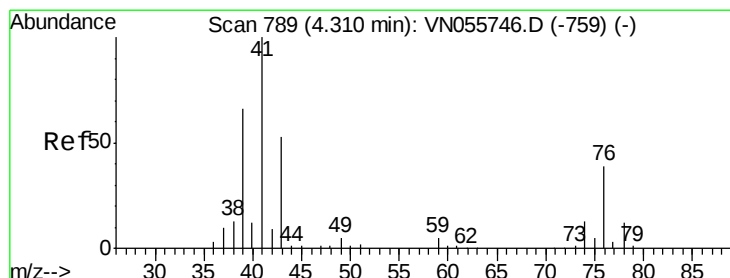
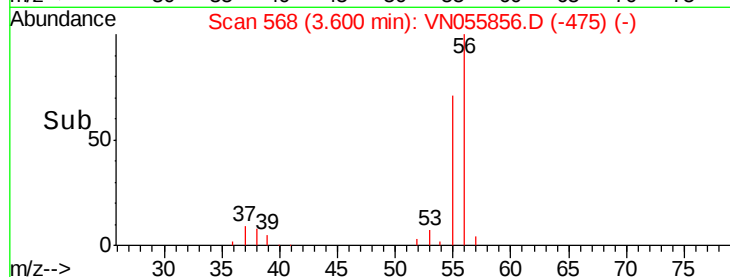
0

Time-->

3.50

3.60

3.70



#14

Allyl chloride

Concen: 18.731 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

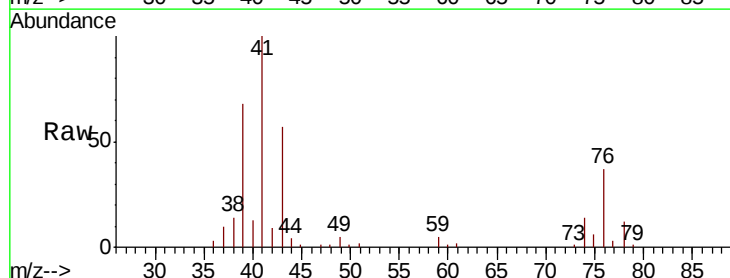
Tgt Ion: 41 Resp: 99469

Ion Ratio Lower Upper

41 100

39 64.0 50.0 75.0

76 33.4 28.2 42.2



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

40000

30000

20000

10000

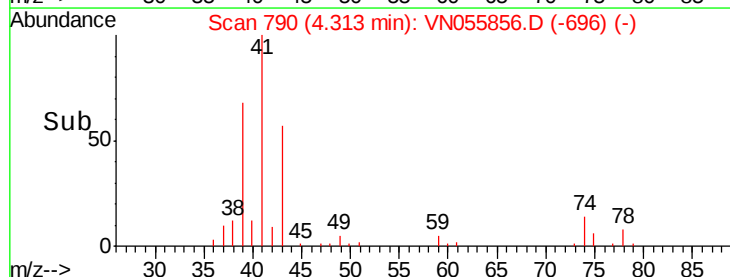
0

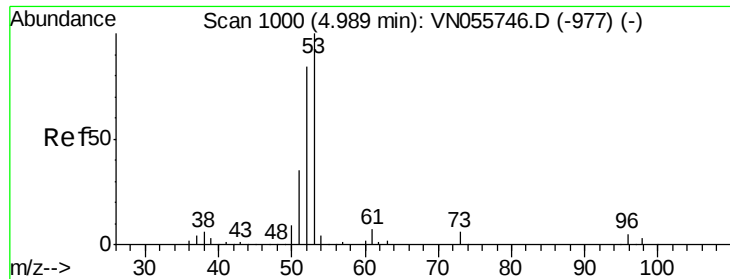
Time-->

4.20

4.30

4.40





#15

Acrylonitrile

Concen: 100.553 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

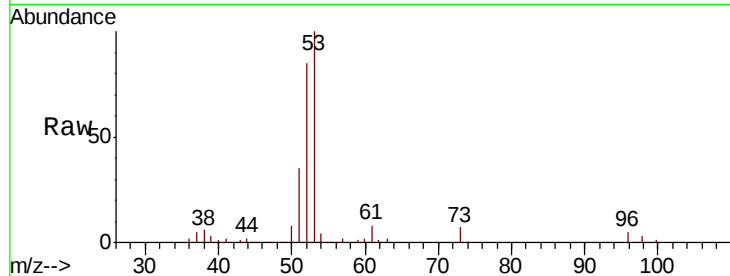
Tot Ion: 53 Resp: 165946

Ion Ratio Lower Upper

53 100

52 84.1 65.8 98.8

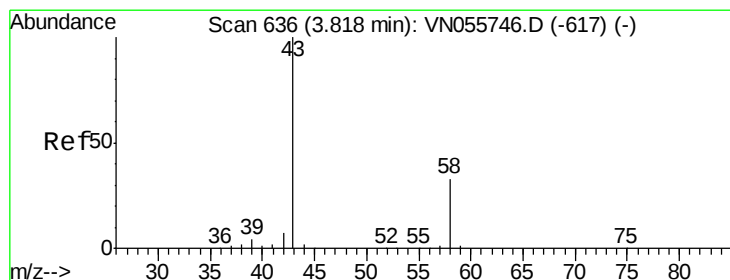
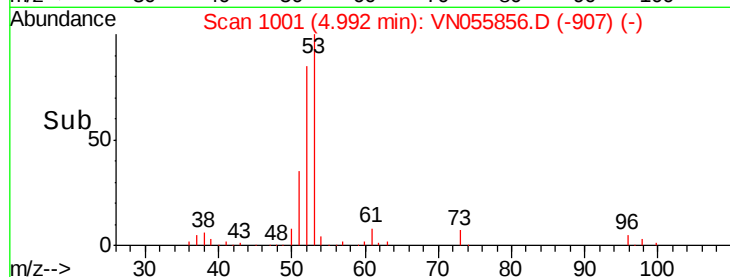
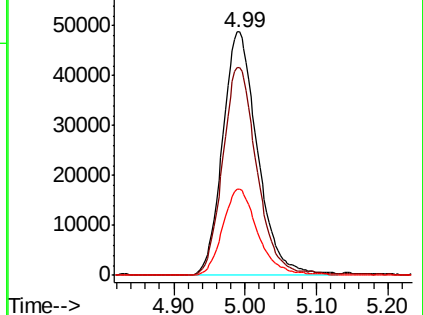
51 35.5 28.2 42.4



Abundance Ion 53.00 (52.70 to 53.70): VN055856.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN055856.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN055856.D (-907) (-)



#16

Acetone

Concen: 83.829 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055856.D

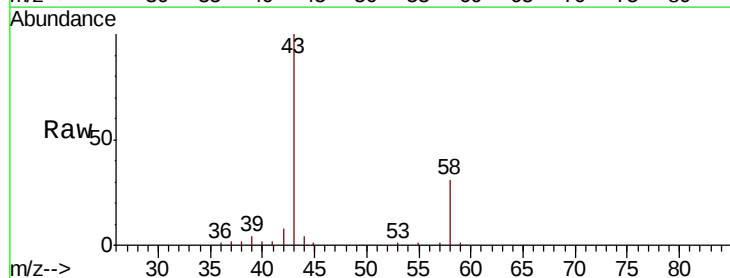
Acq: 28 May 2019 16:37

Tgt Ion: 43 Resp: 138610

Ion Ratio Lower Upper

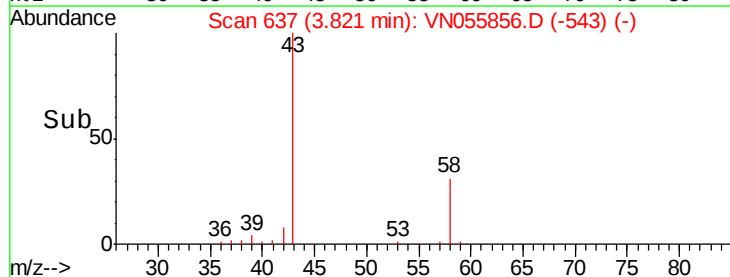
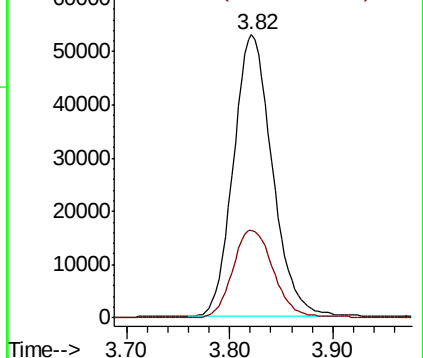
43 100

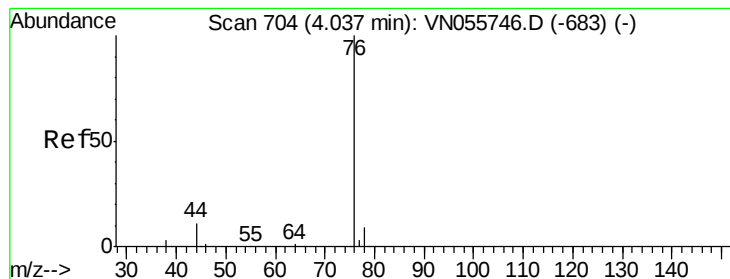
58 31.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN055856.D (-543) (-)

Ion 58.00 (57.70 to 58.70): VN055856.D (-543) (-)





#17

Carbon Disulfide

Concen: 16.767 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

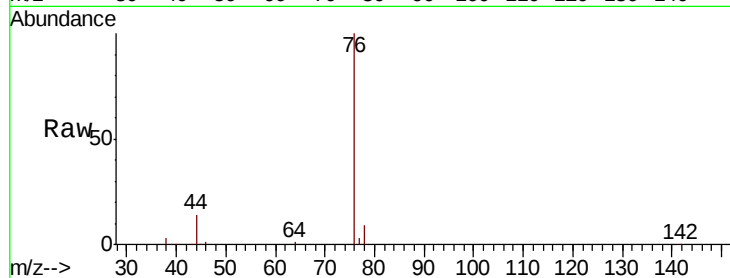
VN0528MBS01

Tot Ion: 76 Resp: 147570

Ion Ratio Lower Upper

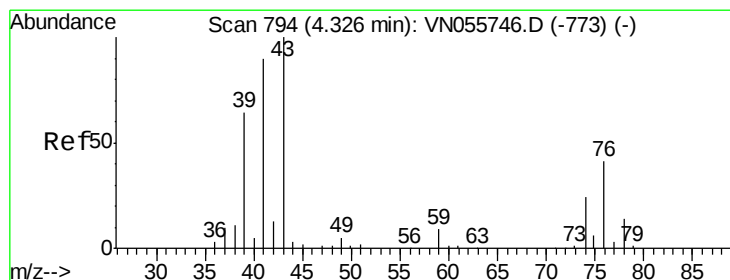
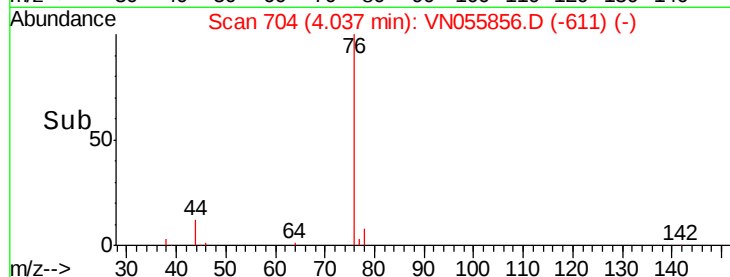
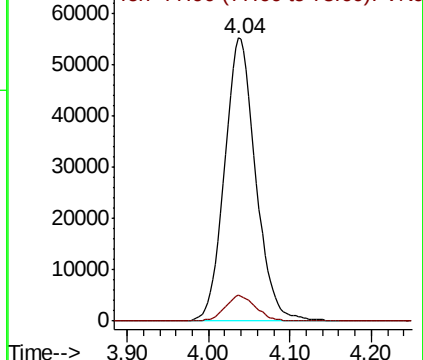
76 100

78 9.0 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 21.394 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055856.D

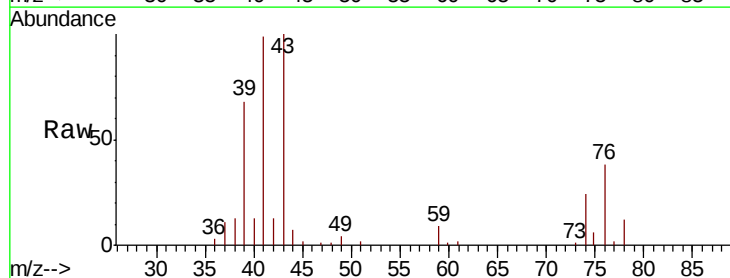
Acq: 28 May 2019 16:37

Tgt Ion: 43 Resp: 74346

Ion Ratio Lower Upper

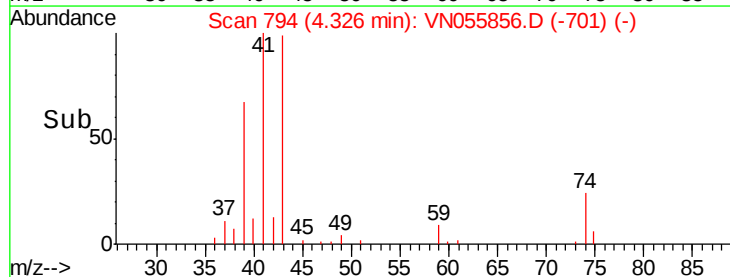
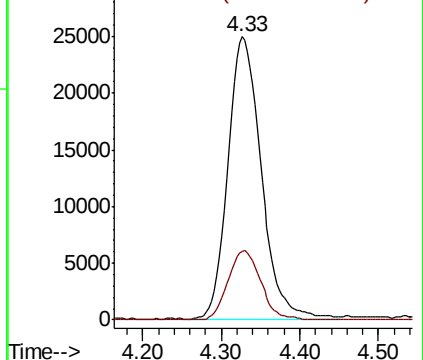
43 100

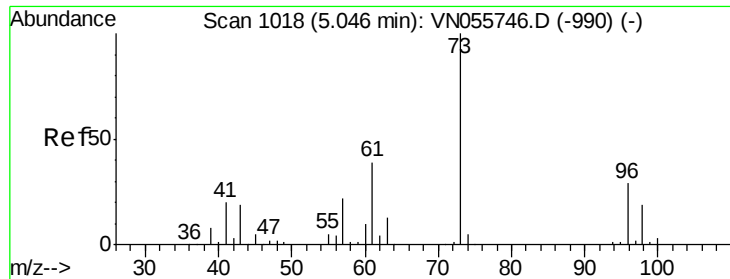
74 23.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

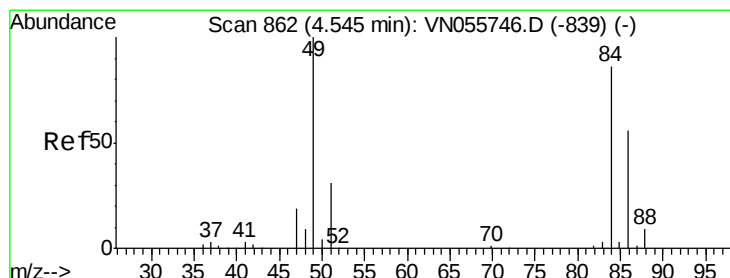
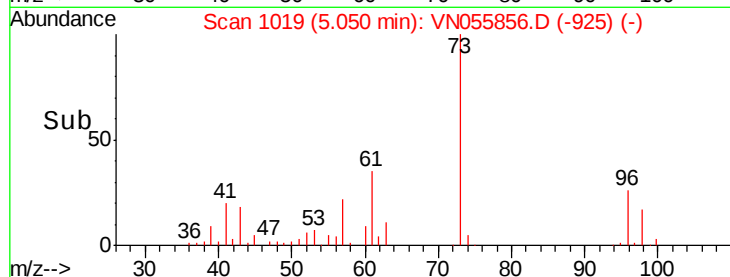
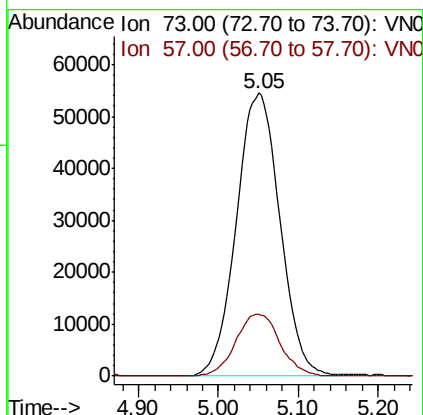
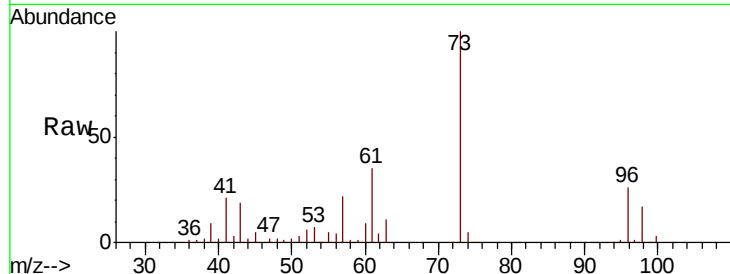




#19
Methvl tert-butvl Ether
Concen: 19.586 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

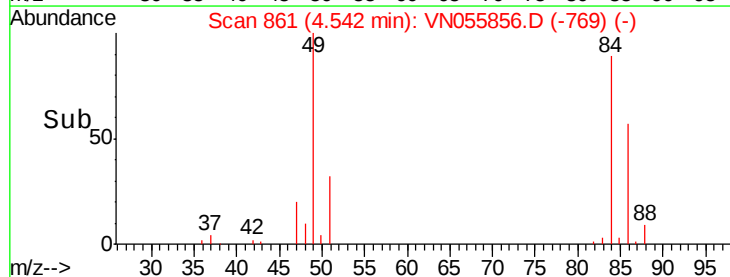
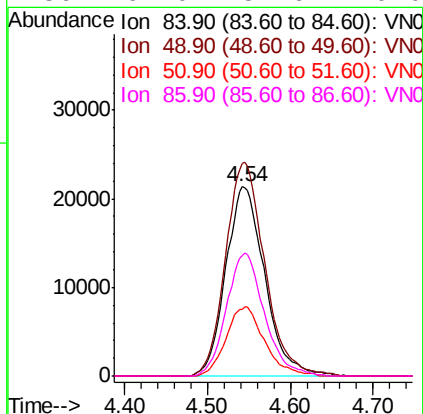
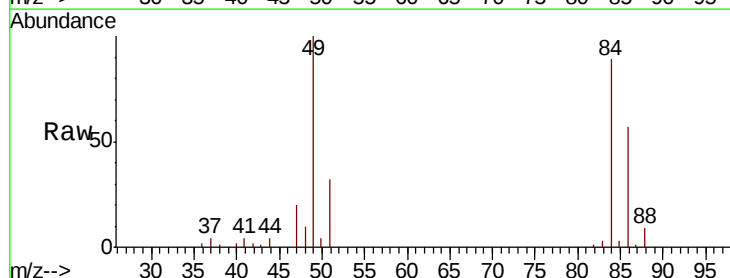
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

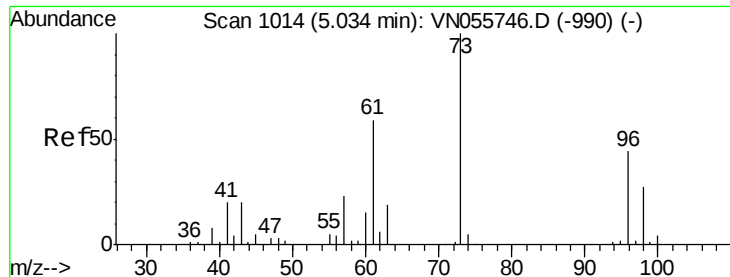
Tot Ion: 73 Resp: 202350
Ion Ratio Lower Upper
73 100
57 21.8 17.8 26.8



#20
Methylene Chloride
Concen: 19.472 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 84 Resp: 69727
Ion Ratio Lower Upper
84 100
49 112.2 93.5 140.3
51 35.4 28.6 43.0
86 64.0 52.6 79.0

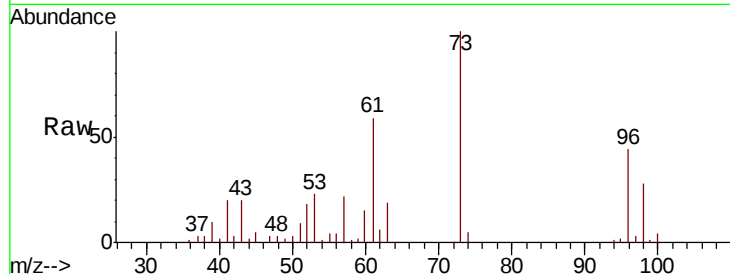




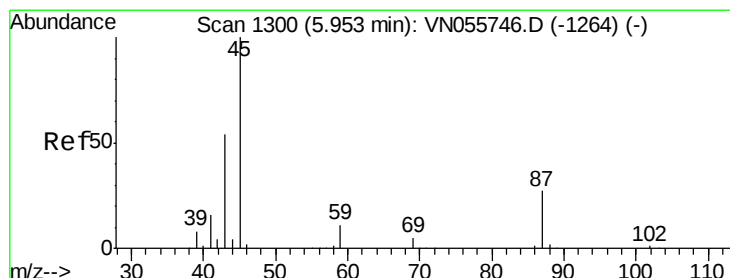
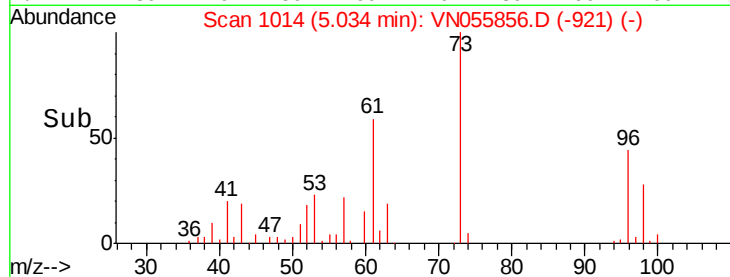
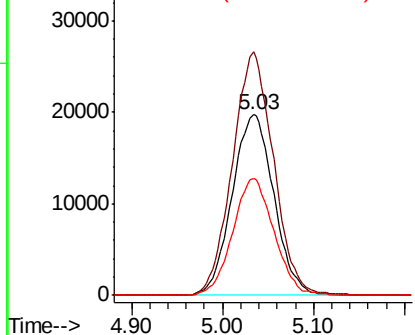
#21
trans-1,2-Dichloroethene
Concen: 18.918 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion: 96 Resp: 62960
Ion Ratio Lower Upper
96 100
61 134.7 107.8 161.8
98 64.9 49.8 74.8

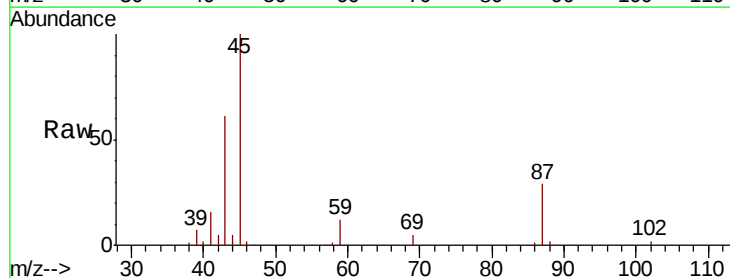


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

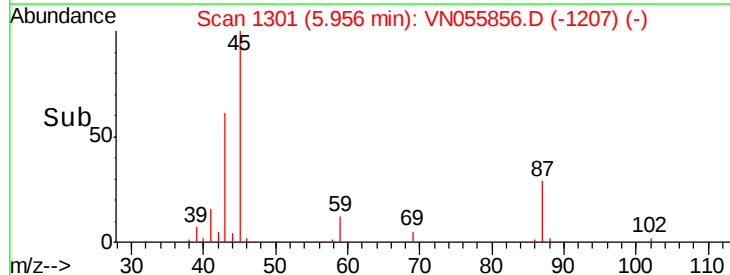
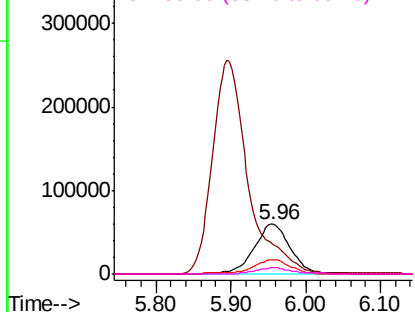


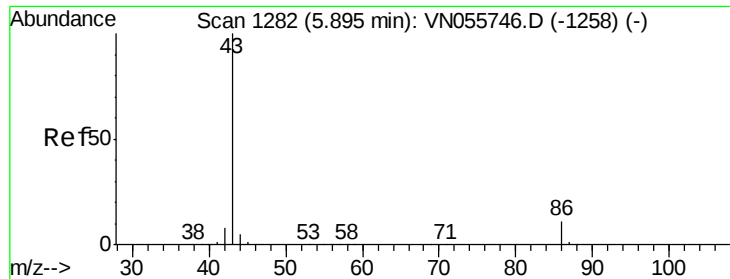
#22
Diisopropyl ether
Concen: 19.401 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 45 Resp: 200384
Ion Ratio Lower Upper
45 100
43 58.3 45.0 67.6
87 29.0 22.2 33.4
59 11.9 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: 96.118 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

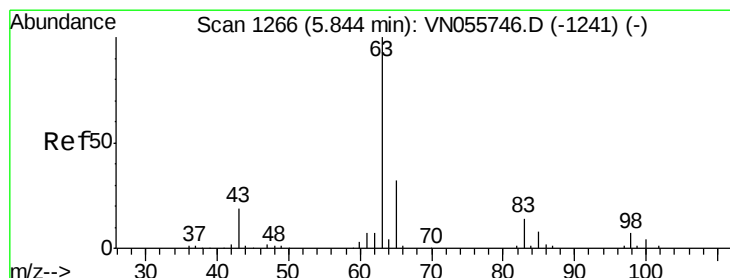
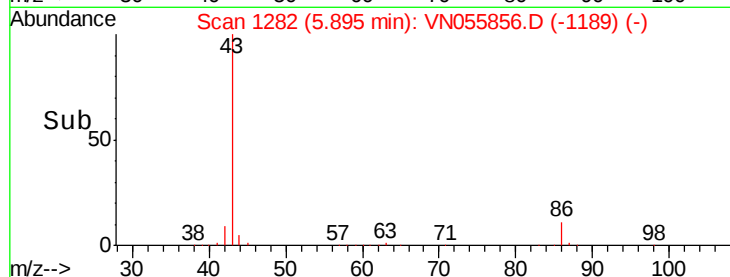
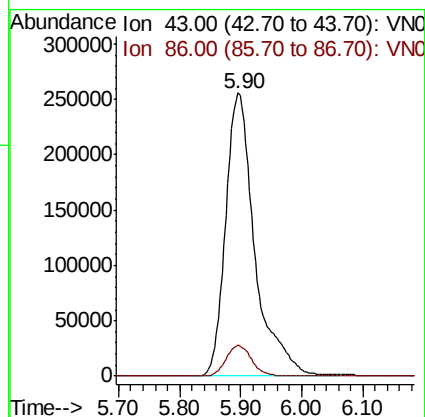
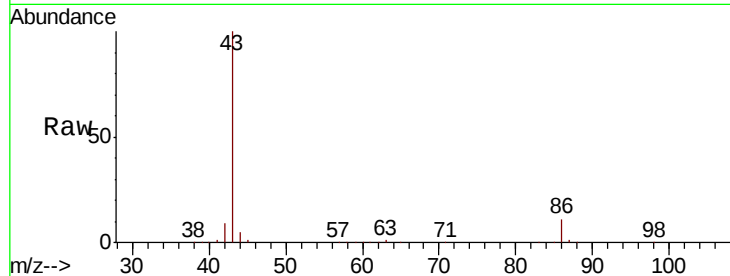
VN0528MBS01

Tot Ion: 43 Resp: 851178

Ion Ratio Lower Upper

43 100

86 10.8 8.6 13.0



#24

1,1-Dichloroethane

Concen: 19.485 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

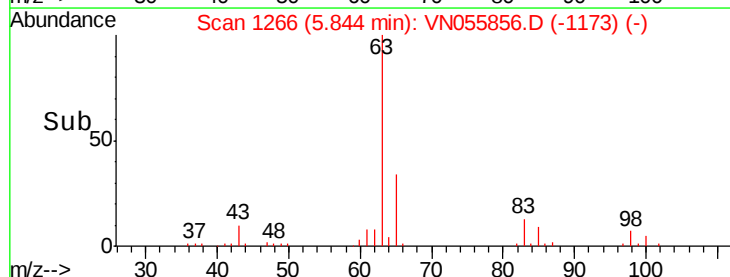
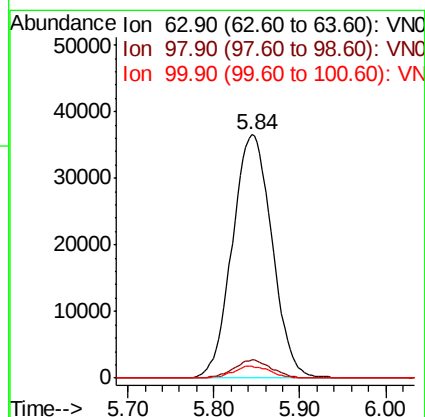
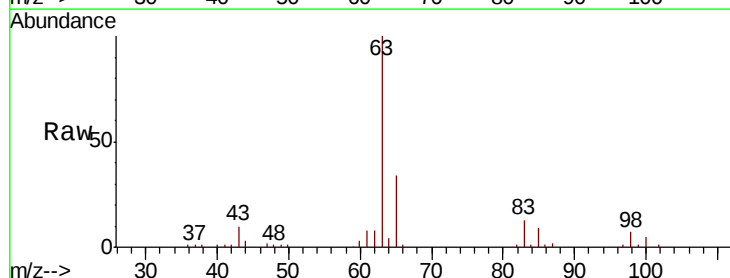
Tgt Ion: 63 Resp: 117173

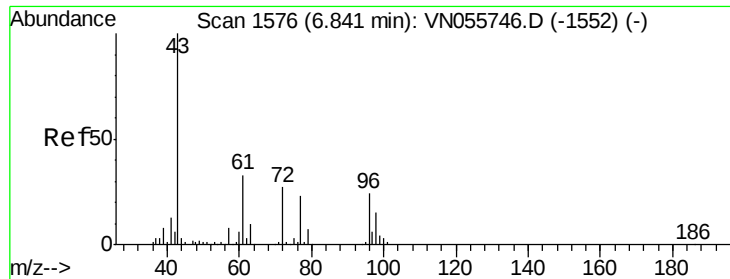
Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 4.8 2.2 6.6

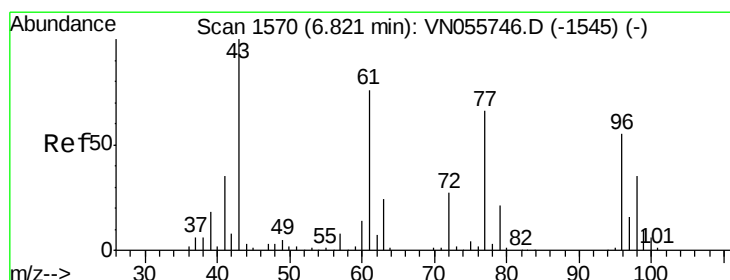
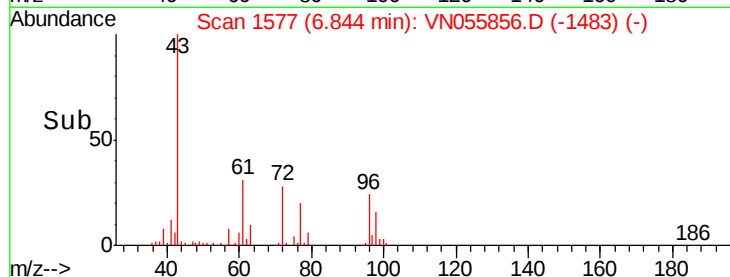
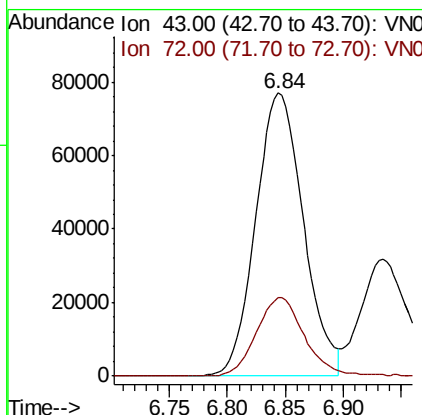
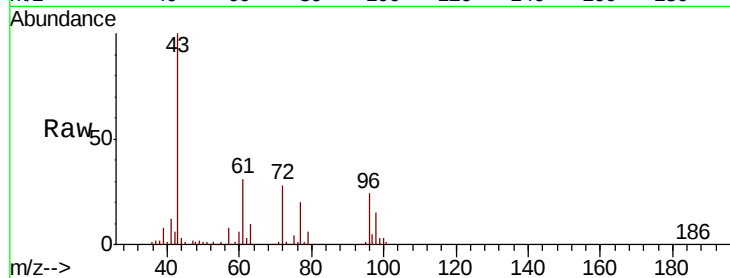




#25
2-Butanone
Concen: 94.888 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

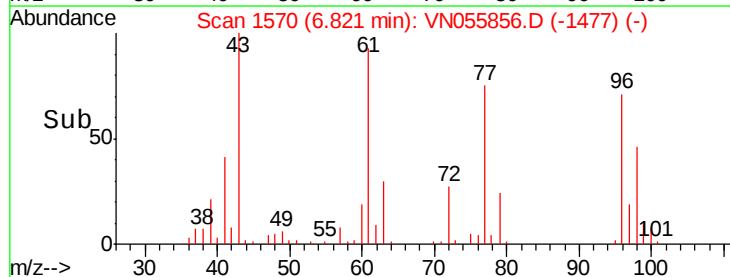
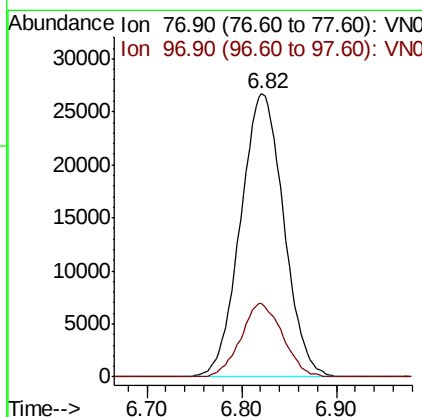
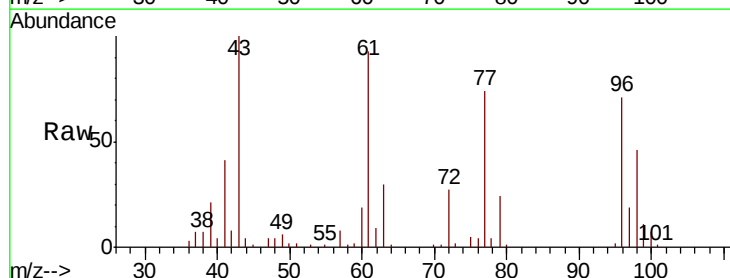
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

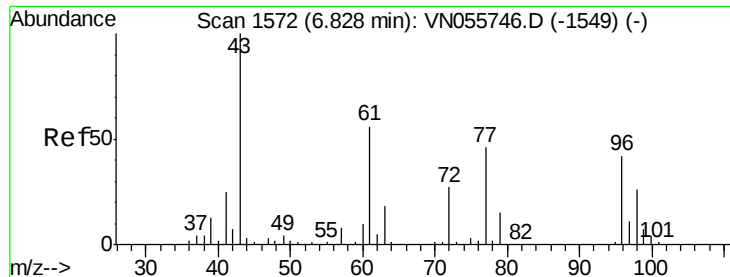
Tot Ion: 43 Resp: 219117
Ion Ratio Lower Upper
43 100
72 27.6 21.9 32.9



#26
2,2-Dichloropropane
Concen: 16.282 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 77 Resp: 84737
Ion Ratio Lower Upper
77 100
97 25.1 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.762 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

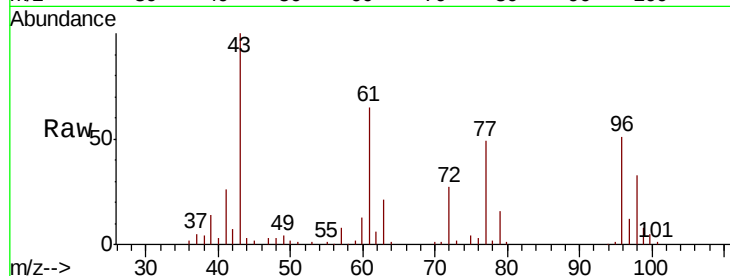
Tot Ion: 96 Resp: 76730

Ion Ratio Lower Upper

96 100

61 133.2 0.0 275.8

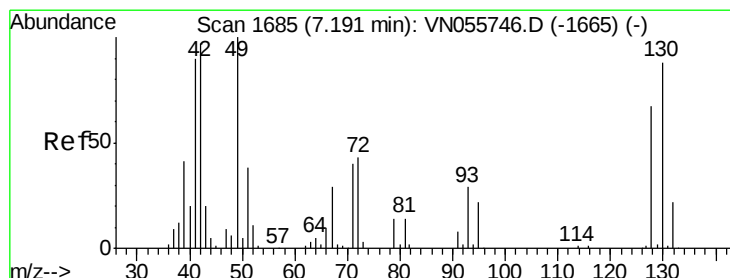
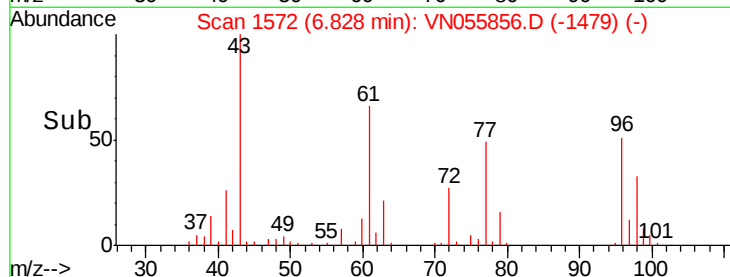
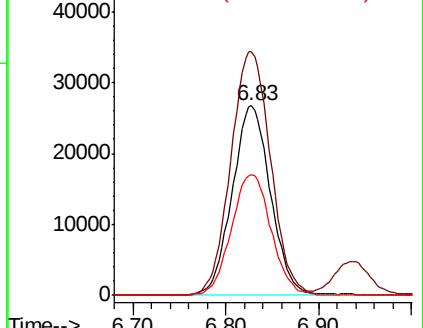
98 65.9 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.195 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

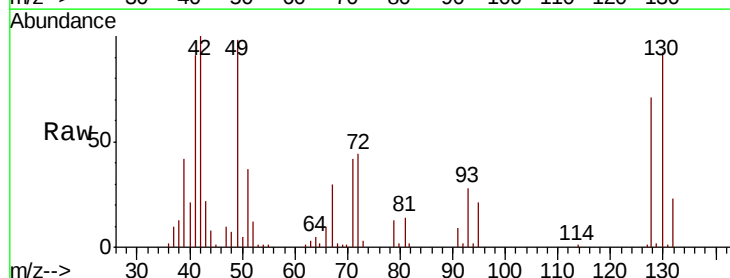
Tgt Ion: 49 Resp: 57821

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

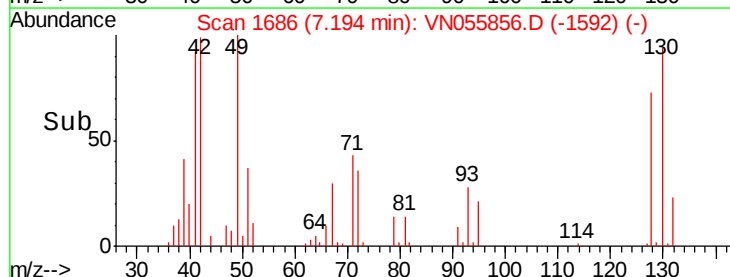
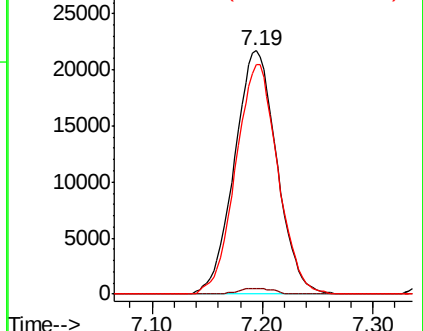
130 93.2 71.2 106.8

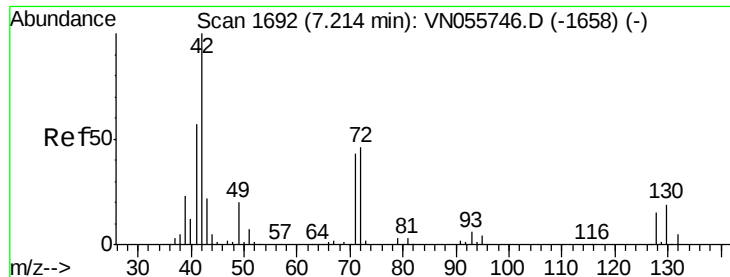


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

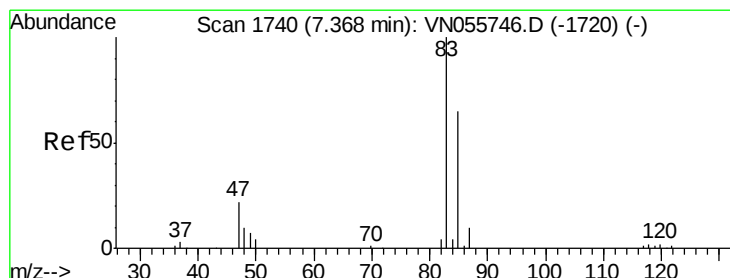
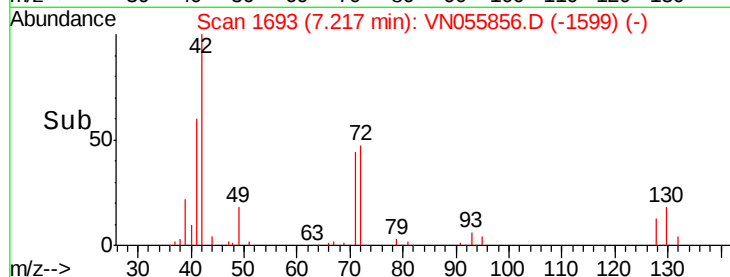
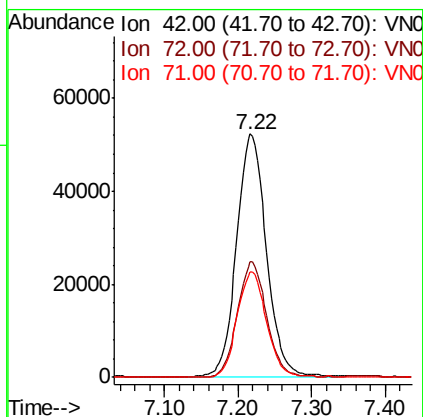
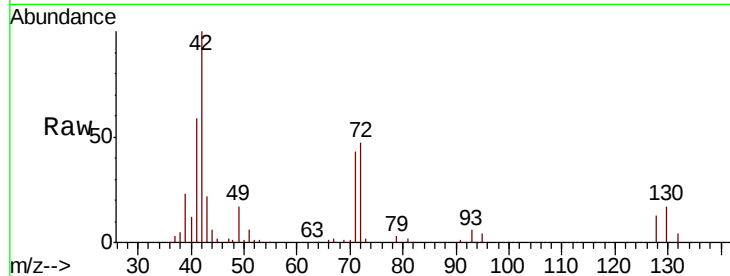




#29
Tetrahydrofuran
Concen: 101.754 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

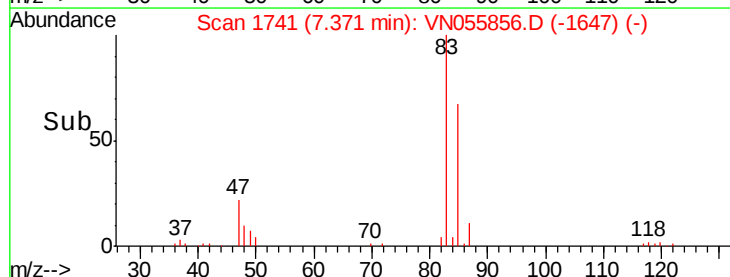
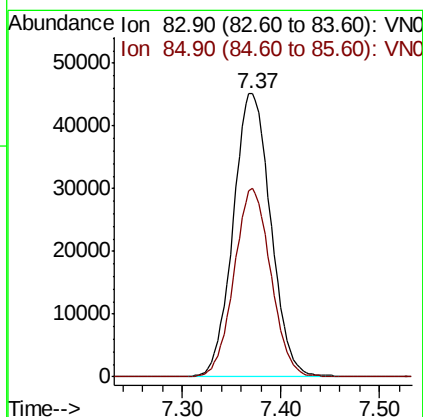
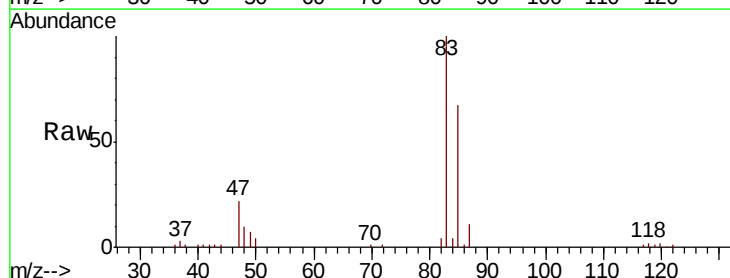
Instrument :
MSVOA_N
ClientSampled :
VN0528MBS01

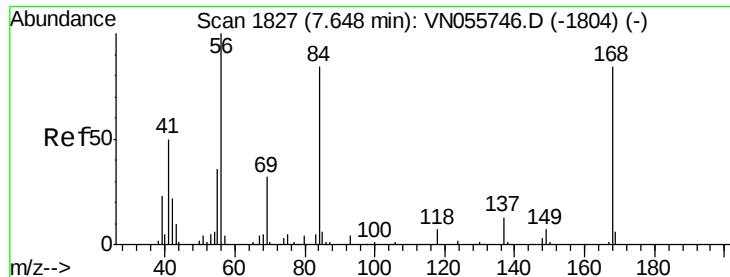
Tot Ion: 42 Resp: 148801
Ion Ratio Lower Upper
42 100
72 46.3 35.9 53.9
71 42.1 34.0 51.0



#30
Chloroform
Concen: 19.918 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 83 Resp: 119456
Ion Ratio Lower Upper
83 100
85 66.7 51.8 77.8

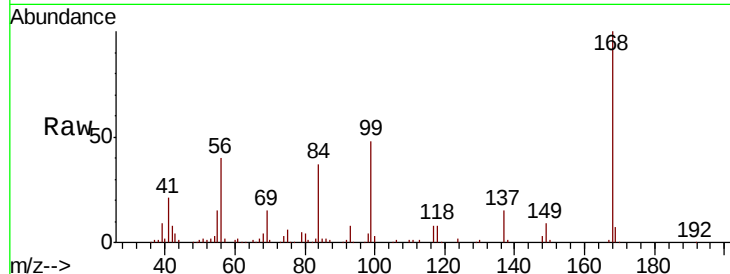




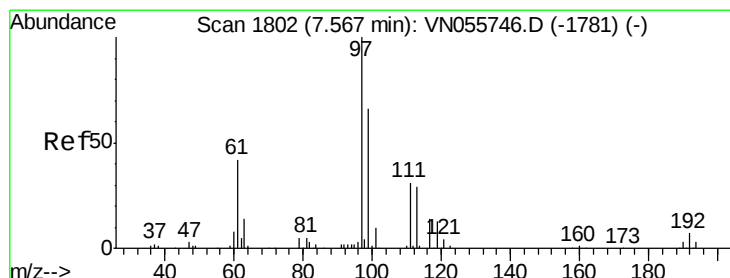
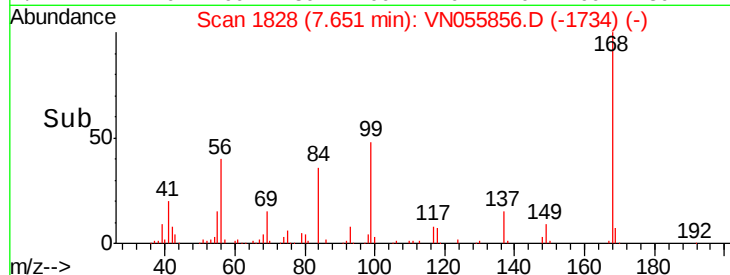
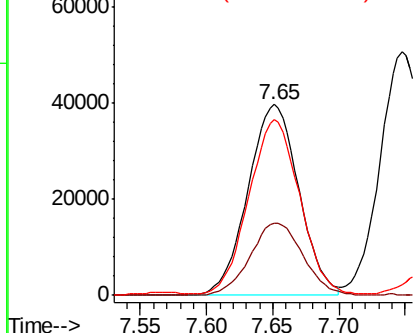
#31
Cyclohexane
Concen: 18.850 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion: 56 Resp: 106427
Ion Ratio Lower Upper
56 100
69 37.9 25.6 38.4
84 91.2 67.4 101.0

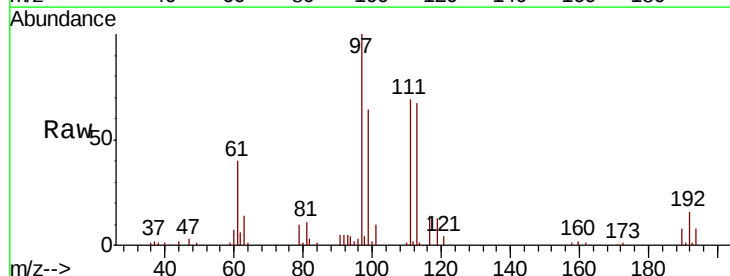


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

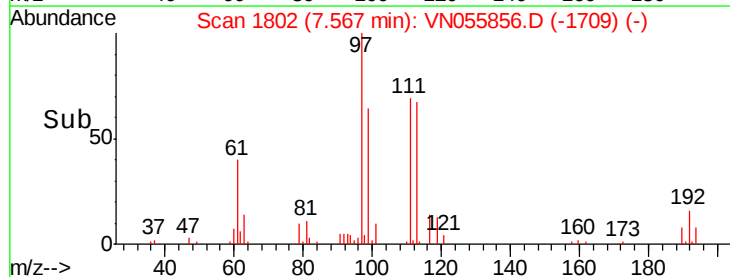
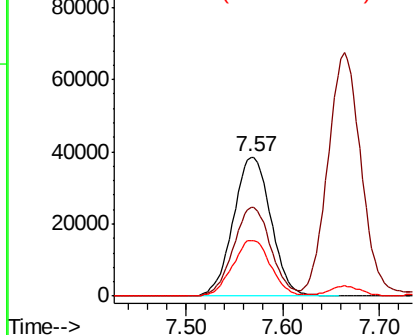


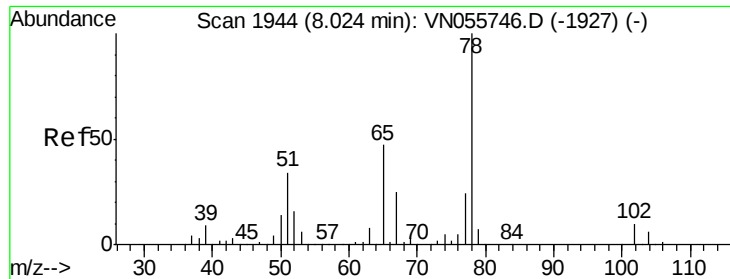
#32
1,1,1-Trichloroethane
Concen: 19.487 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 97 Resp: 104288
Ion Ratio Lower Upper
97 100
99 63.6 52.0 78.0
61 40.7 32.9 49.3



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

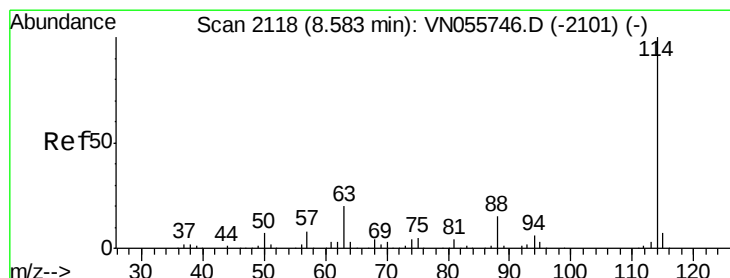
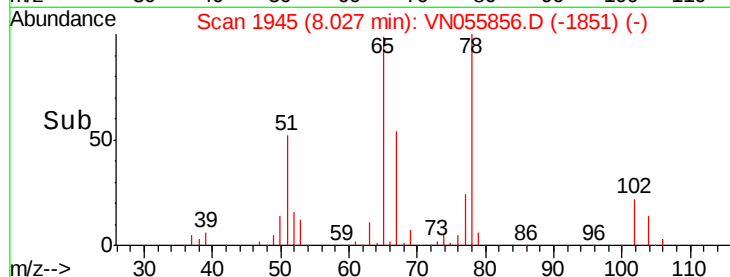
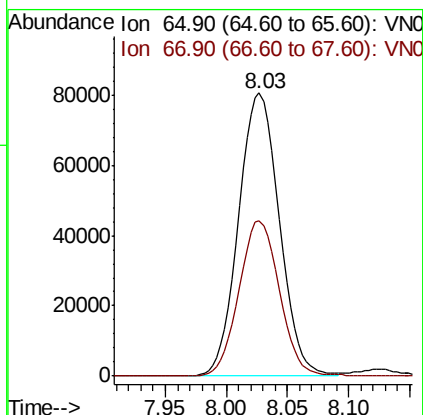
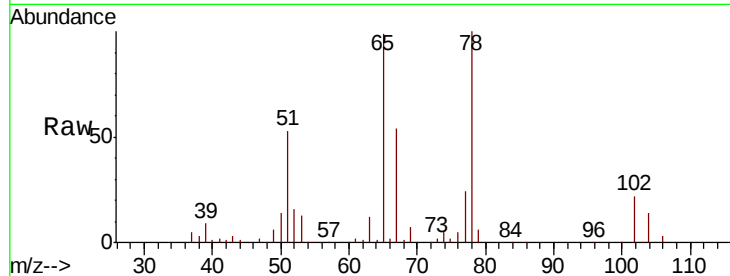




#33
 1,2-Dichloroethane-d4
 Concen: 49.619 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

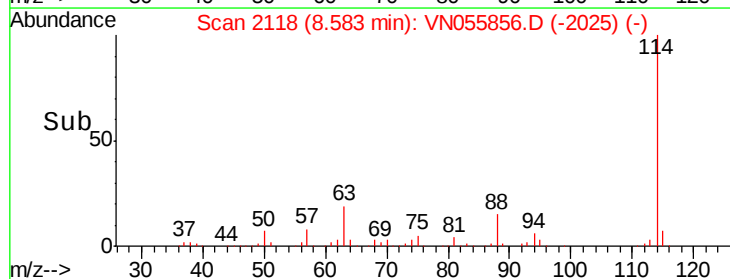
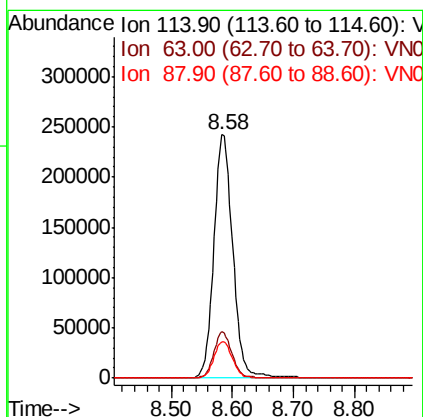
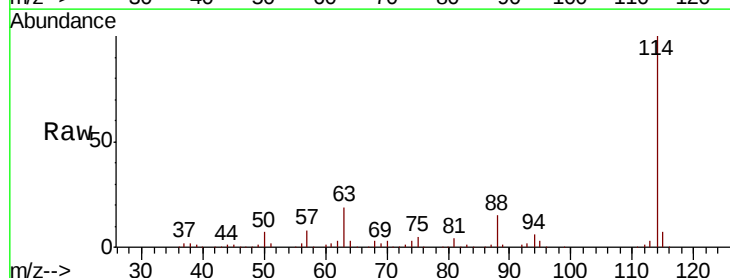
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

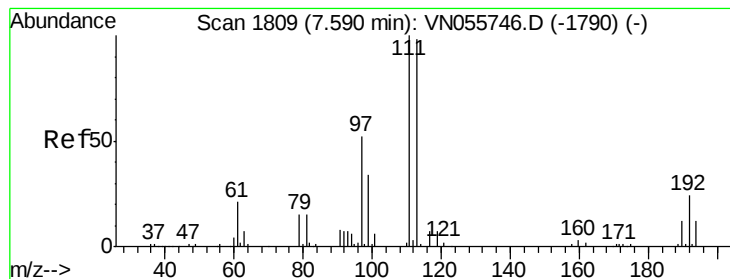
Tot Ion: 65 Resp: 186643
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion: 114 Resp: 523767
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.2
 88 15.0 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.511 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

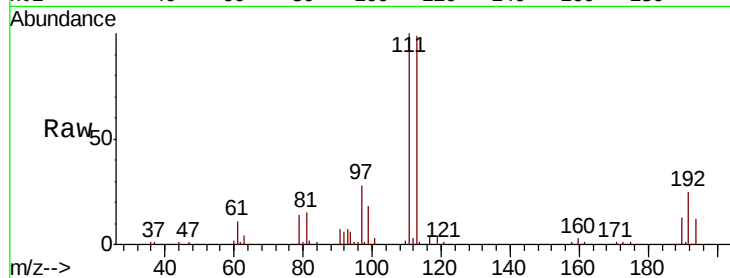
Tot Ion:113 Resp: 167263

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

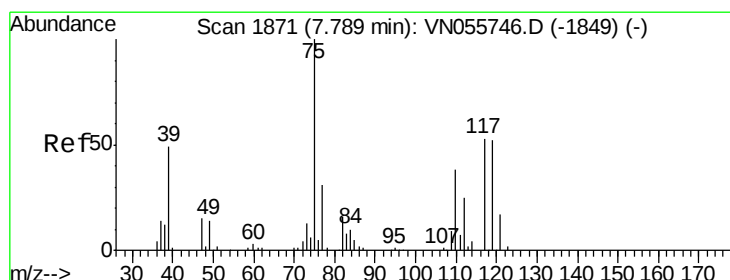
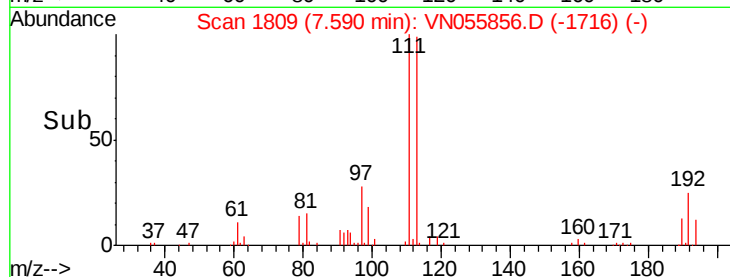
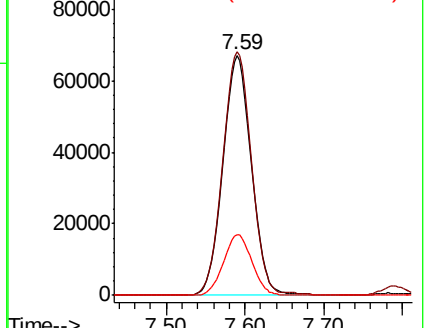
192 25.2 19.5 29.3



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: 18.730 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

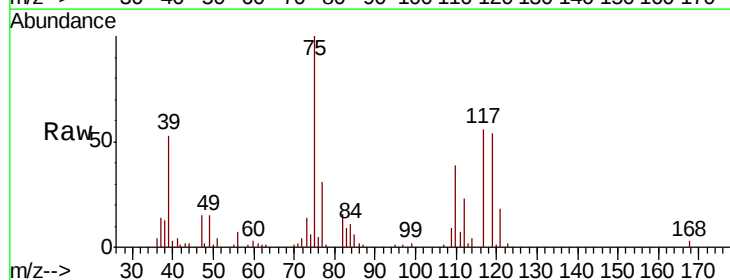
Tgt Ion: 75 Resp: 85490

Ion Ratio Lower Upper

75 100

110 38.5 19.0 57.0

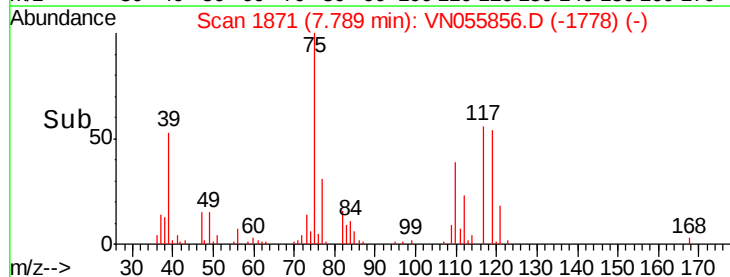
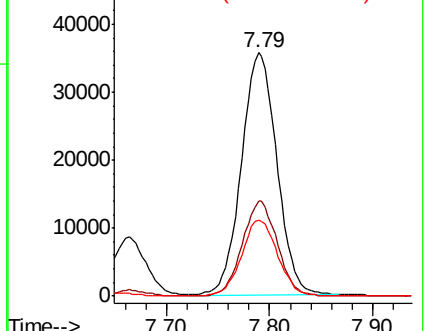
77 31.9 25.1 37.7

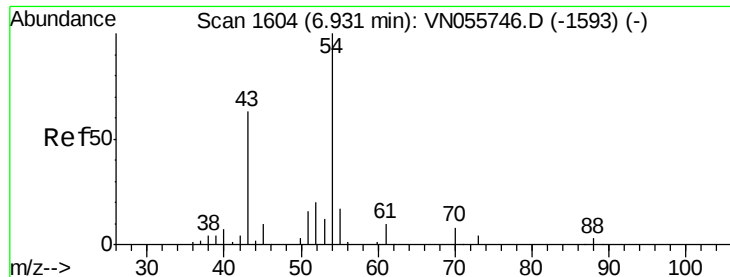


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

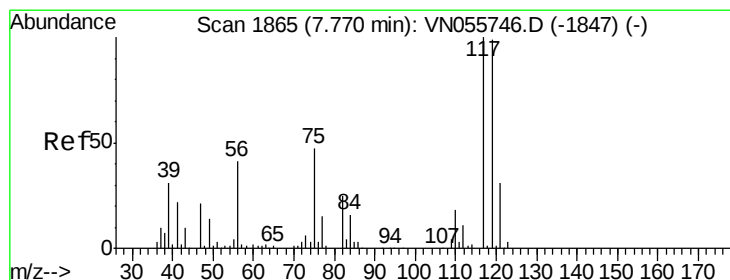
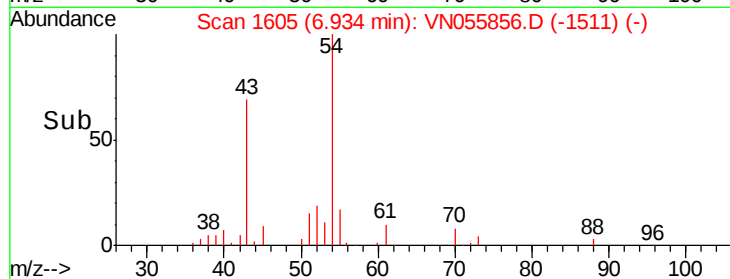
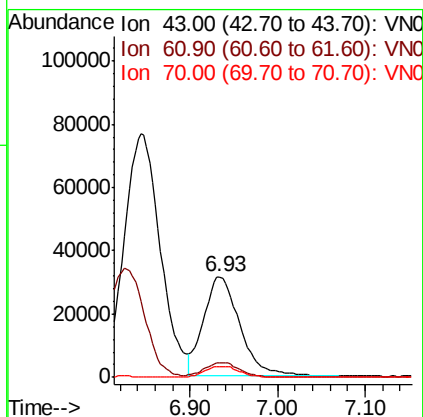
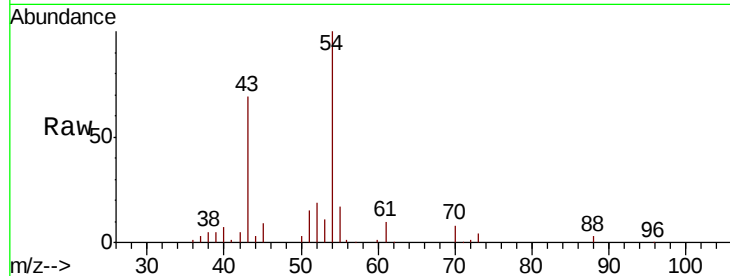




#37
Ethyl Acetate
Concen: 20.474 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

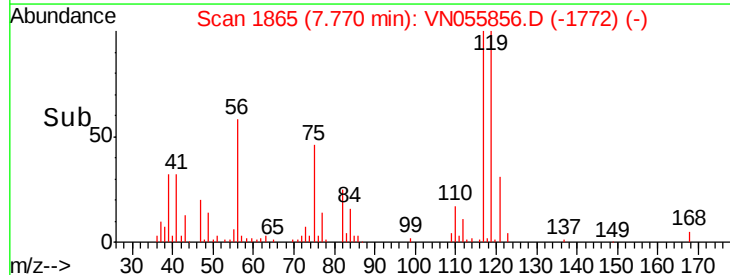
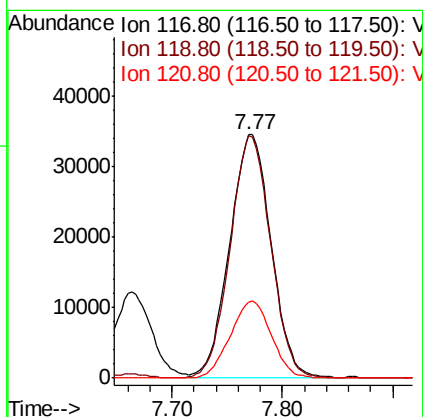
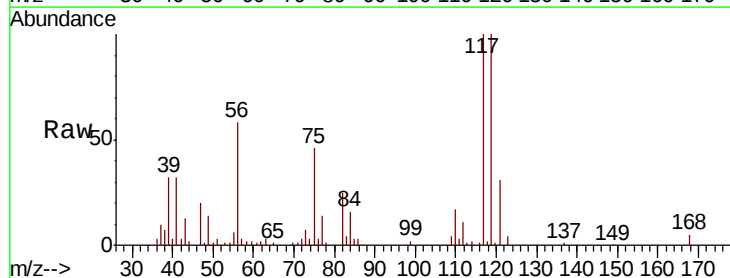
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

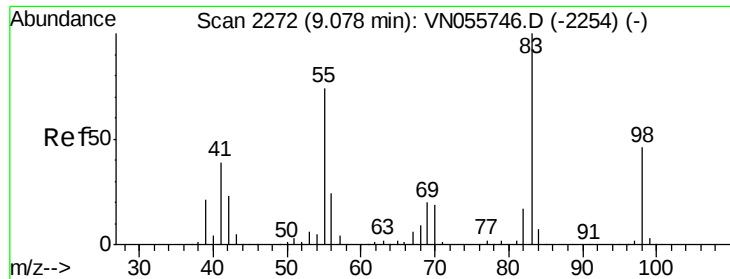
Tot Ion: 43 Resp: 90322
Ion Ratio Lower Upper
43 100
61 13.5 12.2 18.2
70 10.7 8.9 13.3



#38
Carbon Tetrachloride
Concen: 18.941 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 117 Resp: 90053
Ion Ratio Lower Upper
117 100
119 99.7 79.0 118.6
121 31.3 24.7 37.1

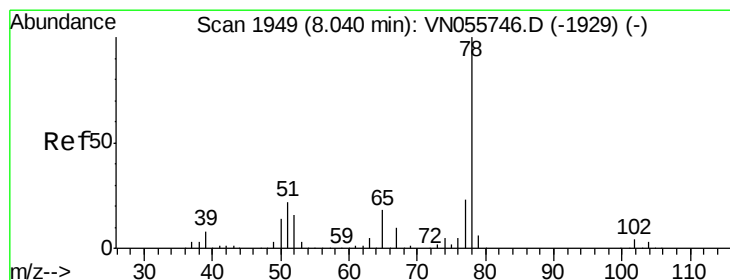
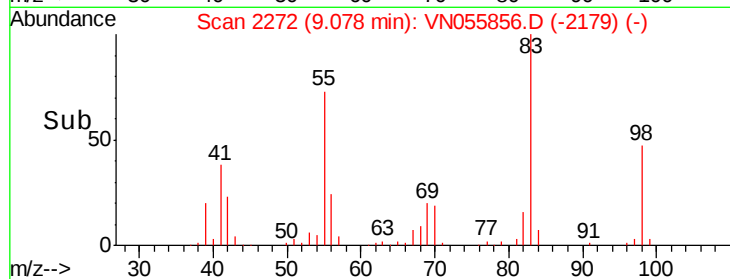
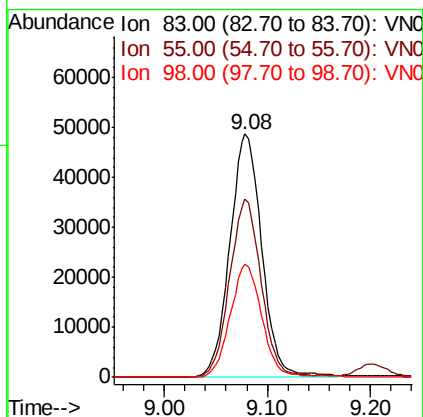
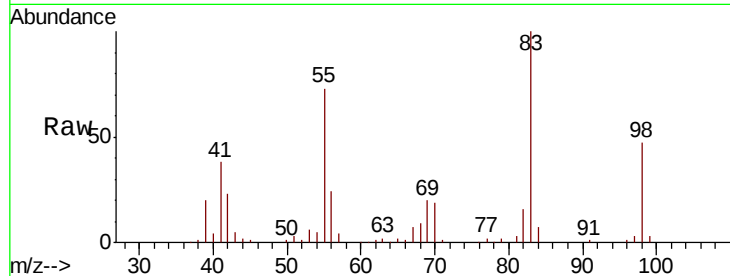




#39
Methvlcvclohexane
Concen: 18.664 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

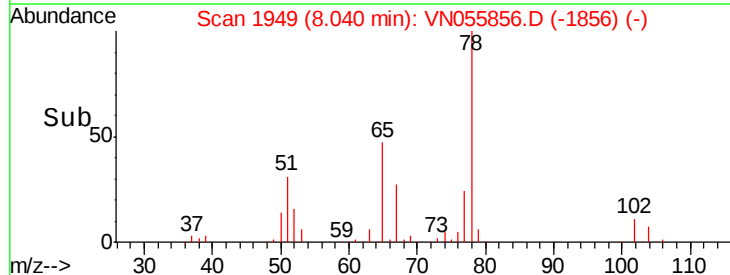
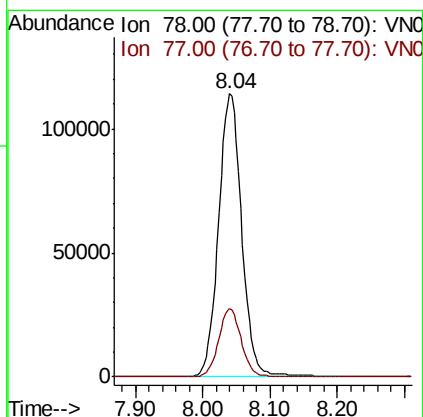
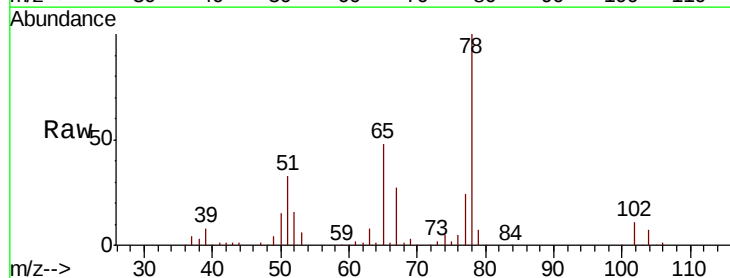
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

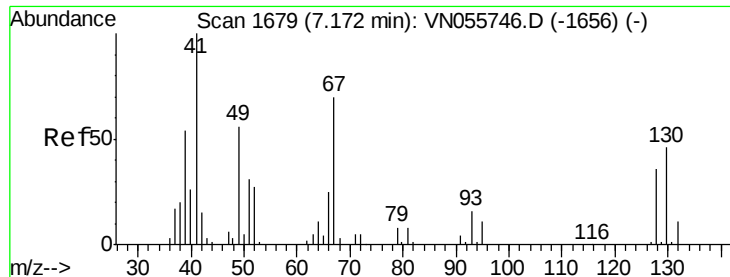
Tot Ion: 83 Resp: 105493
Ion Ratio Lower Upper
83 100
55 73.0 59.3 88.9
98 46.6 36.6 54.8



#40
Benzene
Concen: 19.957 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 78 Resp: 274538
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2

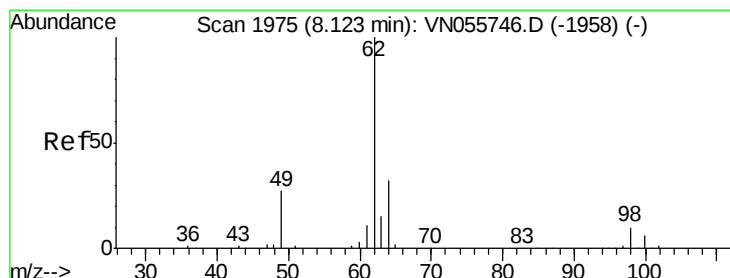
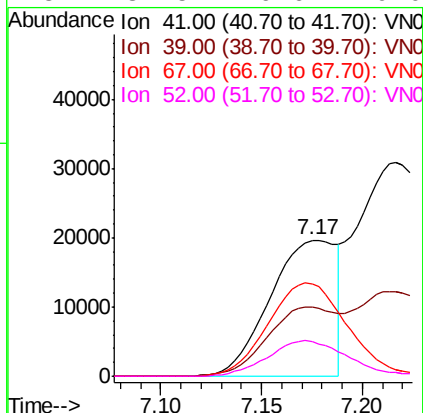
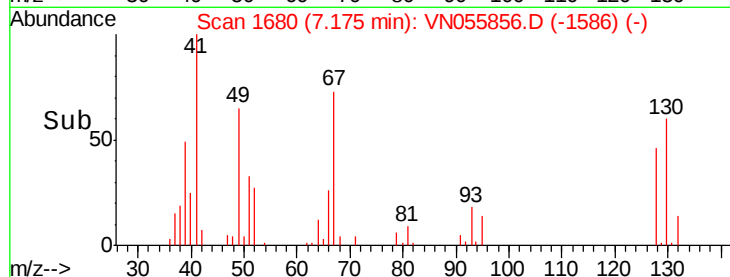
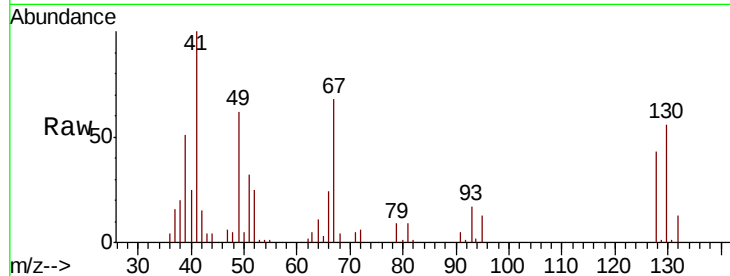




#41
Methacrylonitrile
Concen: 20.215 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

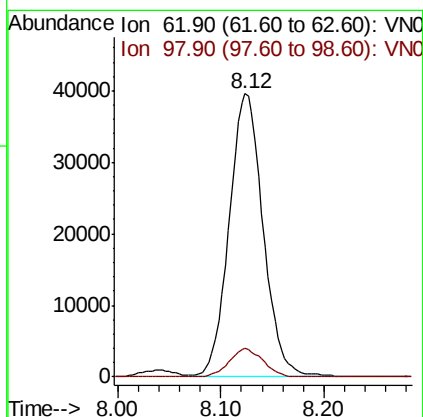
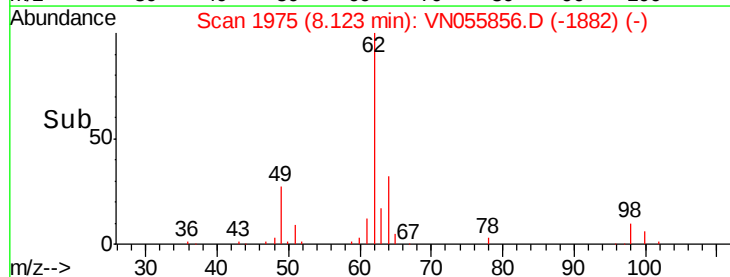
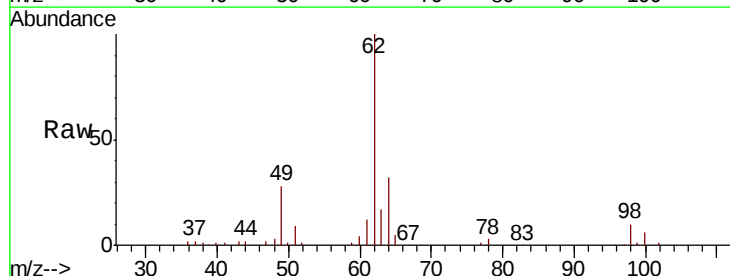
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

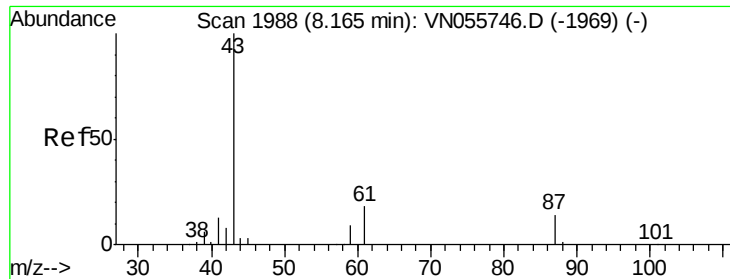
Tot Ion: 41 Resp: 45053
Ion Ratio Lower Upper
41 100
39 51.4 45.6 68.4
67 82.7 67.7 101.5
52 31.5 26.6 40.0



#42
1,2-Dichloroethane
Concen: 20.239 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 62 Resp: 90974
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.2





#43

Isopropyl Acetate

Concen: 19.090 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

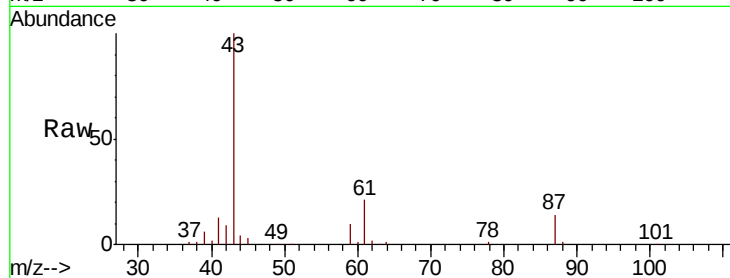
Tot Ion: 43 Resp: 141500

Ion Ratio Lower Upper

43 100

61 22.2 22.2 33.4#

87 14.3 11.4 17.2



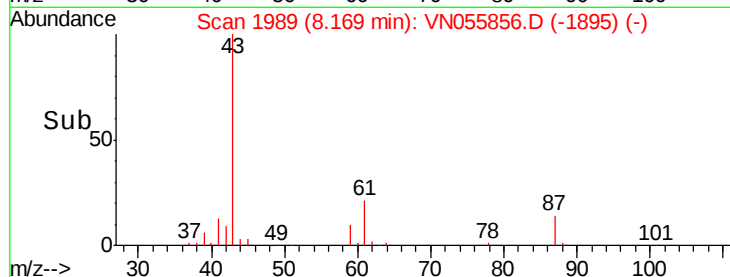
Abundance Ion 43.00 (42.70 to 43.70): VN055746.D (-1969) (-)

Ion 61.00 (60.70 to 61.70): VN055746.D (-1969) (-)

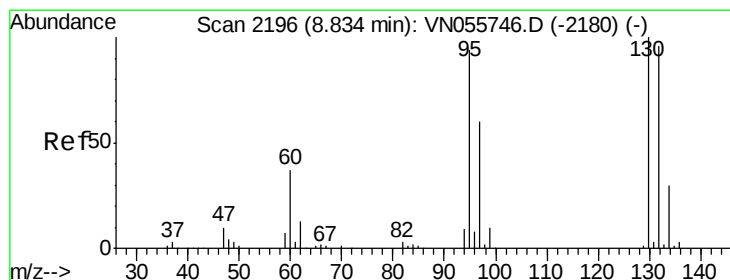
Ion 87.00 (86.70 to 87.70): VN055746.D (-1969) (-)

8.17

Time-->



Time-->



#44

Trichloroethene

Concen: 20.345 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055856.D

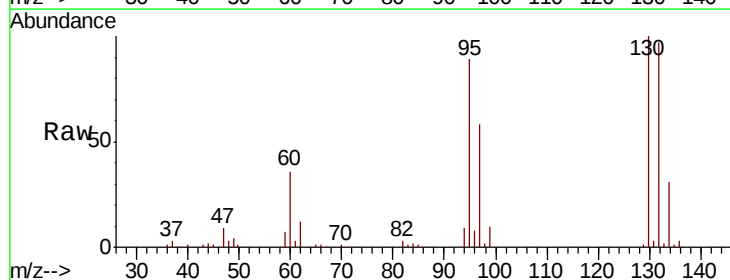
Acq: 28 May 2019 16:37

Tgt Ion:130 Resp: 78023

Ion Ratio Lower Upper

130 100

95 88.8 0.0 188.0

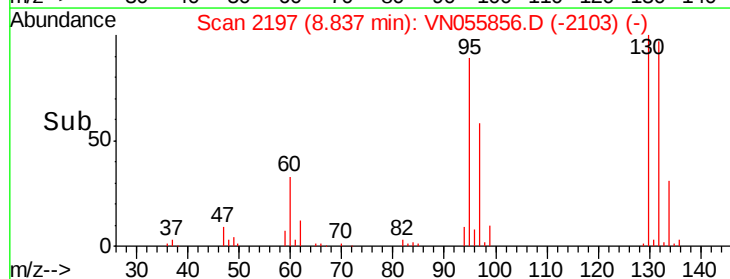


Abundance Ion 129.80 (129.50 to 130.50): VN055746.D (-2180) (-)

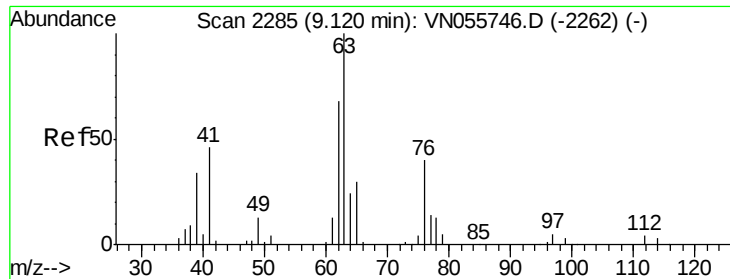
Ion 94.90 (94.60 to 95.60): VN055746.D (-2180) (-)

8.84

Time-->



Time-->



#45

1,2-Dichloropropane

Concen: 19.824 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

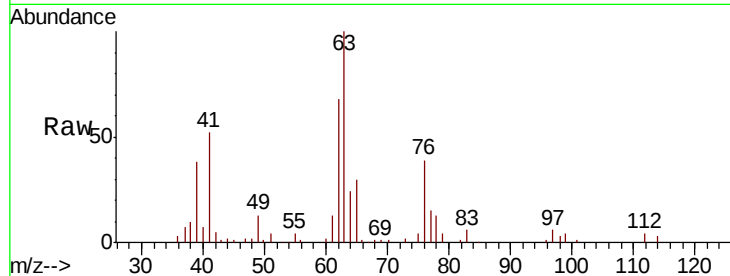
VN0528MBS01

Tot Ion: 63 Resp: 71051

Ion Ratio Lower Upper

63 100

65 30.3 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VN055746.D (-2262) (-)

Ion 64.90 (64.60 to 65.60): VN055746.D (-2262) (-)

9.12

40000

30000

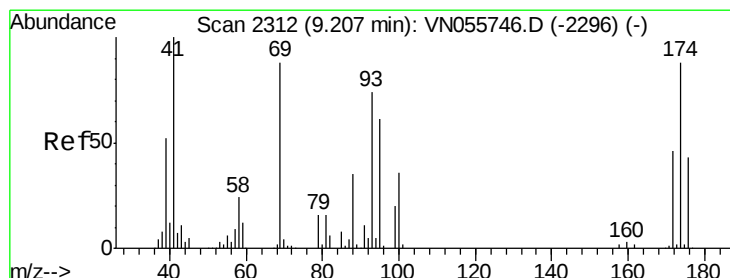
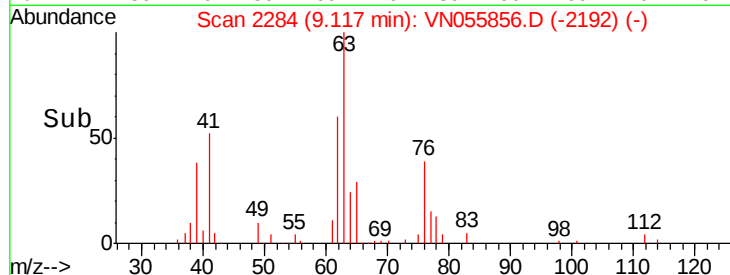
20000

10000

0

Time-->

9.00 9.10 9.20



#46

Dibromomethane

Concen: 20.505 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

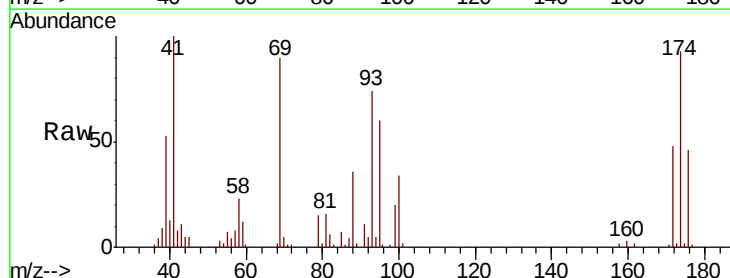
Tgt Ion: 93 Resp: 48198

Ion Ratio Lower Upper

93 100

95 82.3 66.7 100.1

174 124.5 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN055746.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN055746.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN055746.D (-2296) (-)

40000

30000

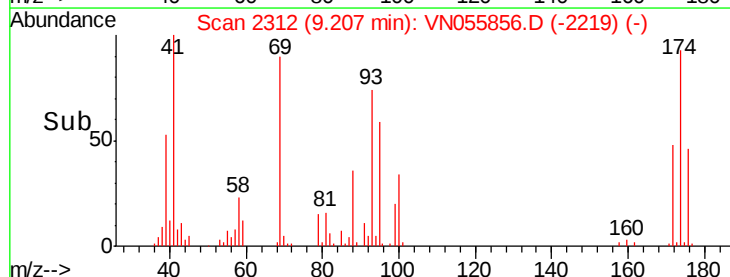
20000

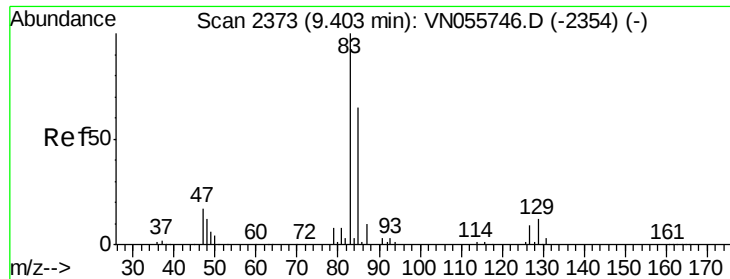
10000

0

Time-->

9.15 9.20 9.25 9.30





#47

Bromodichloromethane

Concen: 18.963 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

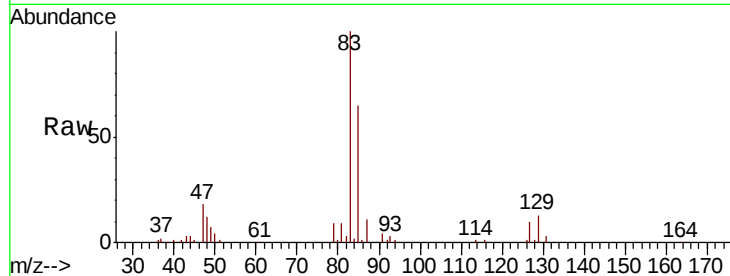
Tot Ion: 83 Resp: 91395

Ion Ratio Lower Upper

83 100

85 65.5 52.2 78.2

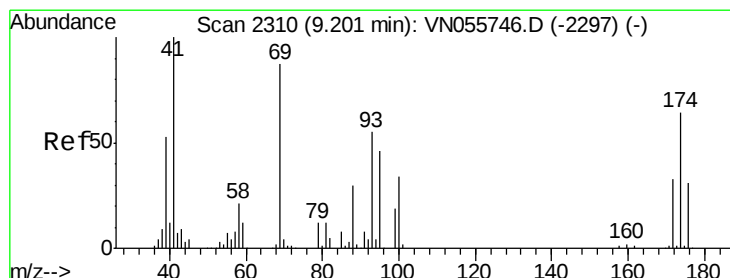
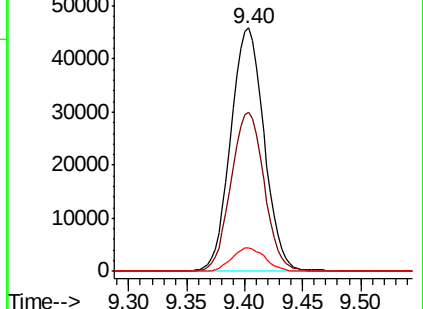
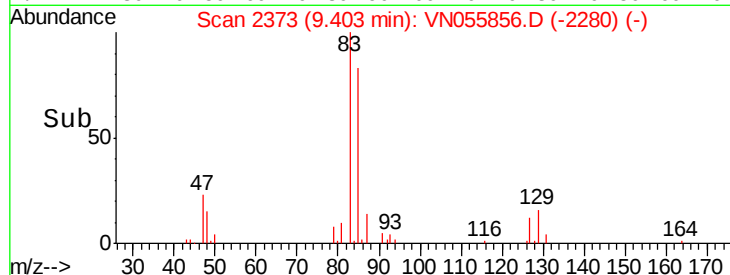
127 9.7 7.4 11.0



Abundance Ion 82.90 (82.60 to 83.60): VN055856.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055856.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055856.D (-2280) (-)



#48

Methyl methacrylate

Concen: 20.418 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

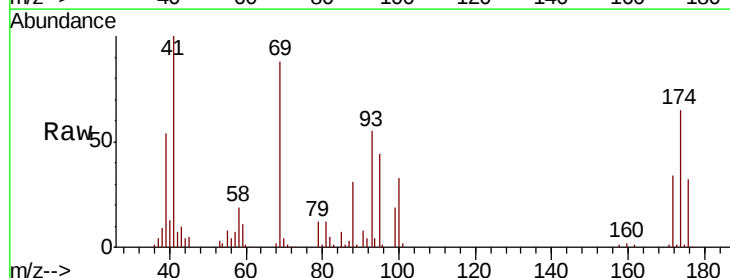
Tgt Ion: 41 Resp: 69750

Ion Ratio Lower Upper

41 100

69 88.7 71.0 106.6

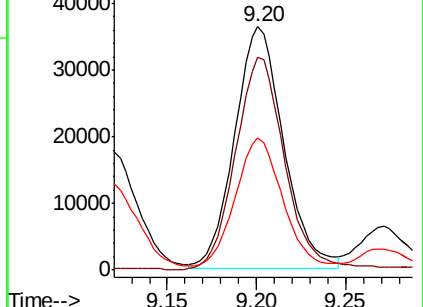
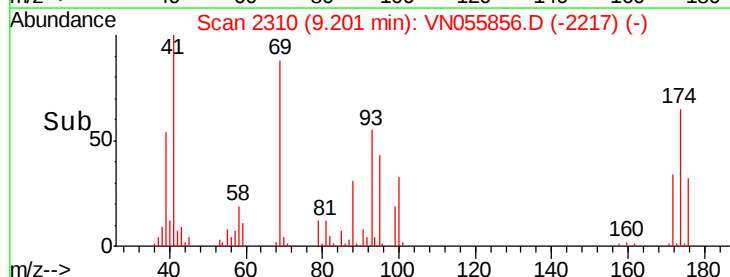
39 53.0 44.2 66.2

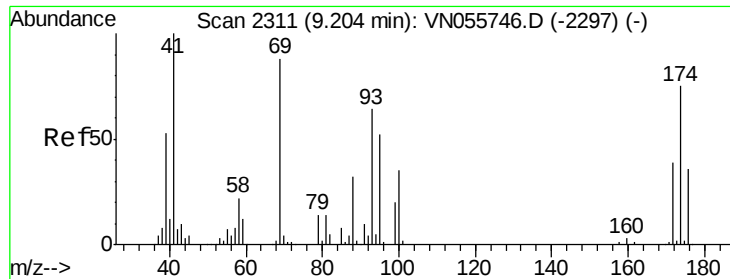


Abundance Ion 41.00 (40.70 to 41.70): VN055856.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055856.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055856.D (-2217) (-)





#49

1,4-Dioxane

Concen: 408.235 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

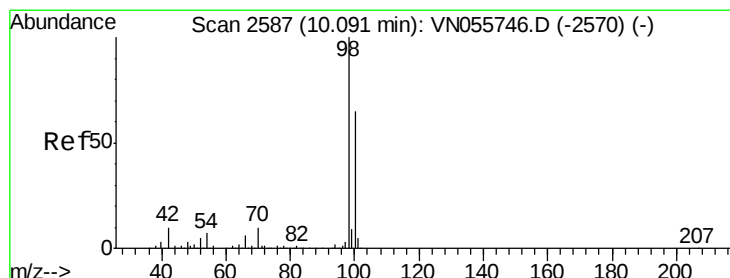
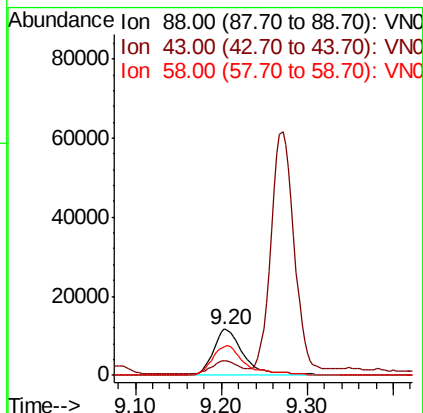
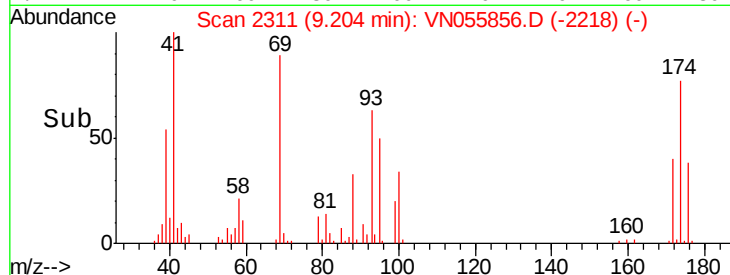
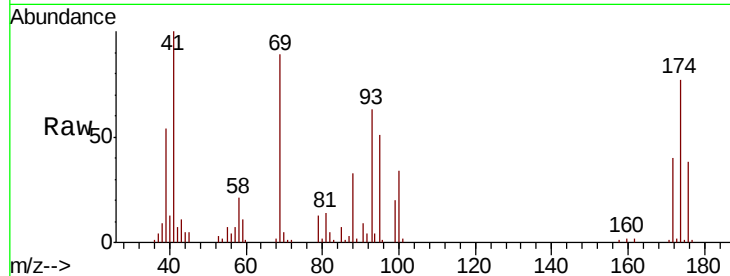
Tot Ion: 88 Resp: 28980

Ion Ratio Lower Upper

88 100

43 25.2 20.5 30.7

58 65.0 55.8 83.6



#50

Toluene-d8

Concen: 49.370 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055856.D

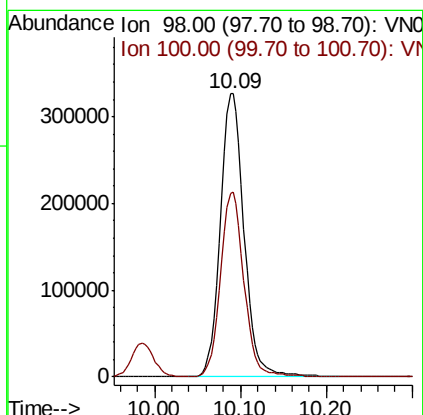
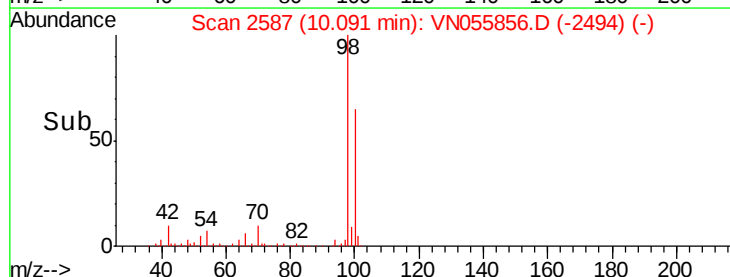
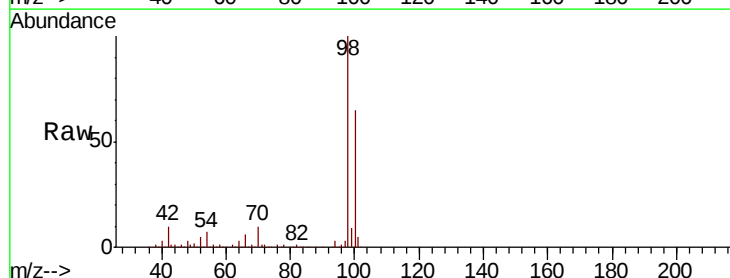
Acq: 28 May 2019 16:37

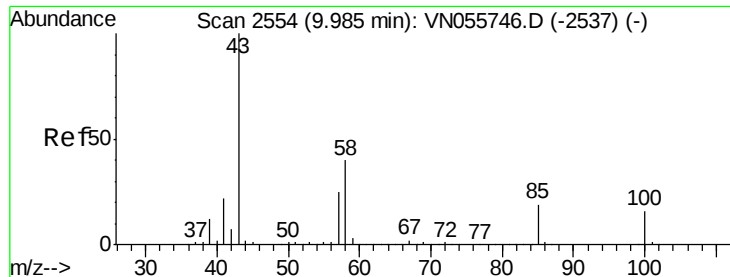
Tgt Ion: 98 Resp: 627120

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 101.268 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

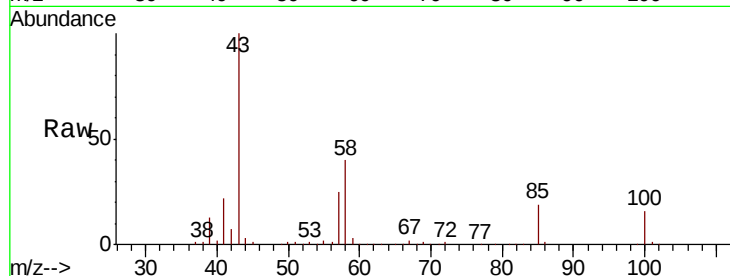
VN0528MBS01

Tot Ion: 43 Resp: 443308

Ion Ratio Lower Upper

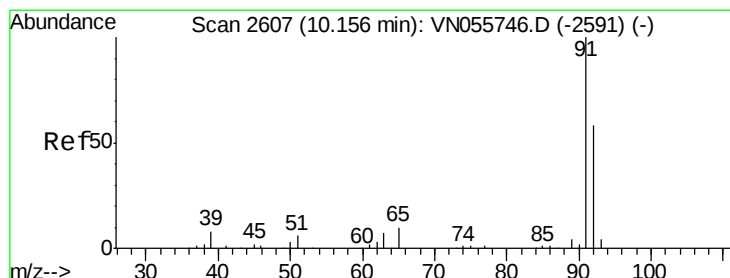
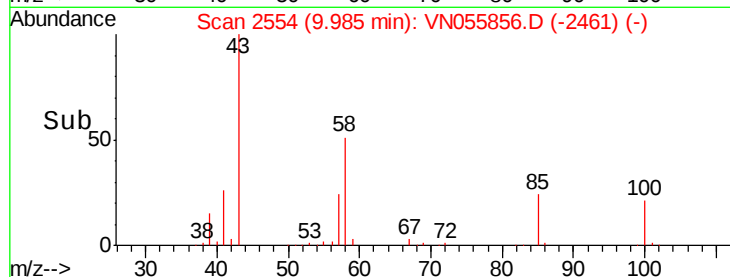
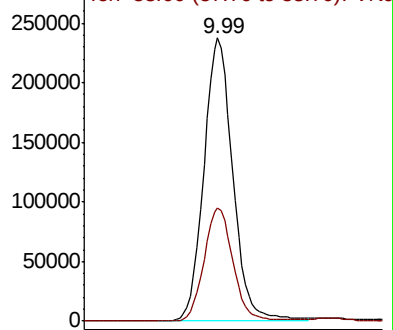
43 100

58 40.0 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.104 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055856.D

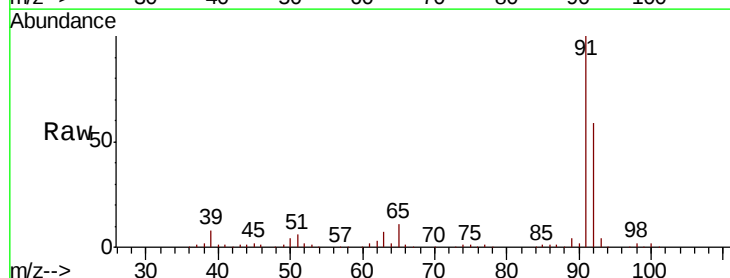
Acq: 28 May 2019 16:37

Tgt Ion: 92 Resp: 173930

Ion Ratio Lower Upper

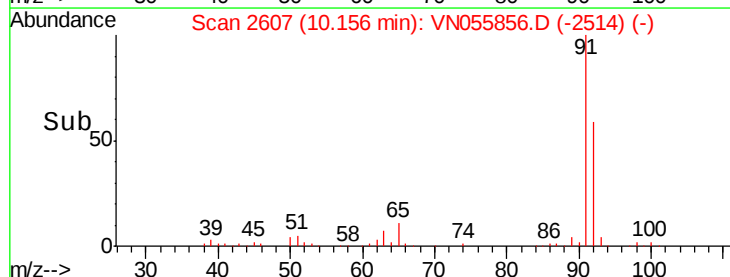
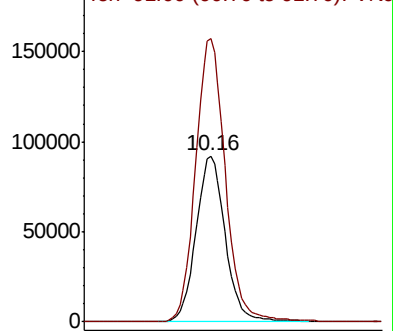
92 100

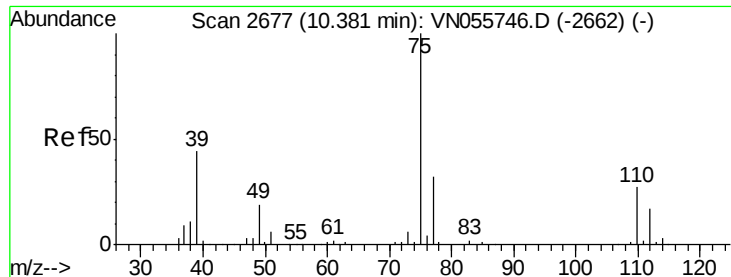
91 174.4 139.4 209.2



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: 18.109 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

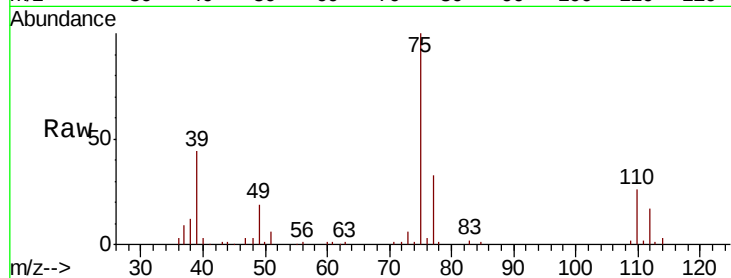
VN0528MBS01

Tot Ion: 75 Resp: 93165

Ion Ratio Lower Upper

75 100

77 32.8 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN055856.D (-2584) (-)

Ion 76.90 (76.60 to 77.60): VN055856.D (-2584) (-)

10.38

60000

50000

40000

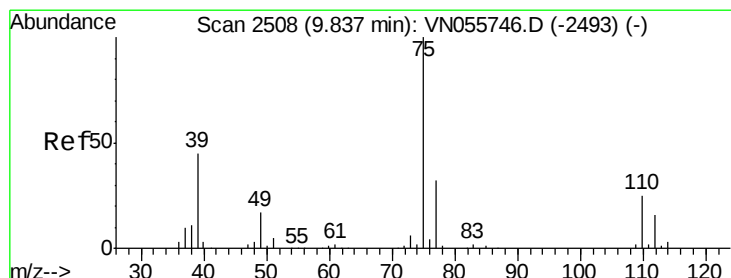
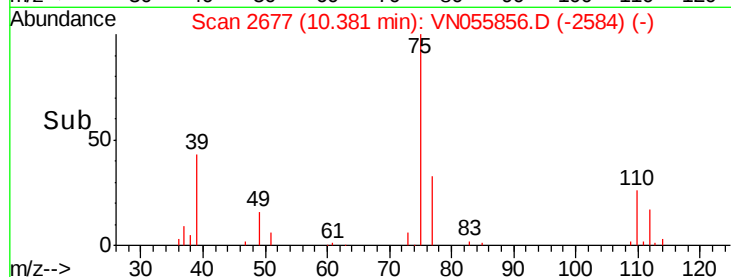
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.585 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

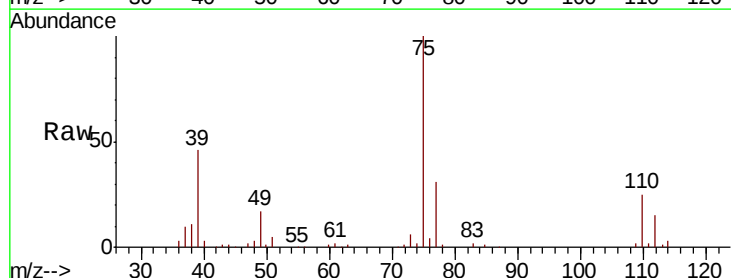
Tgt Ion: 75 Resp: 105922

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.0

39 46.0 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN055856.D (-2415) (-)

Ion 76.90 (76.60 to 77.60): VN055856.D (-2415) (-)

Ion 39.00 (38.70 to 39.70): VN055856.D (-2415) (-)

9.84

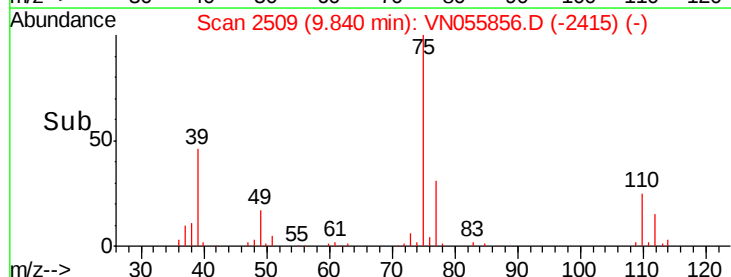
60000

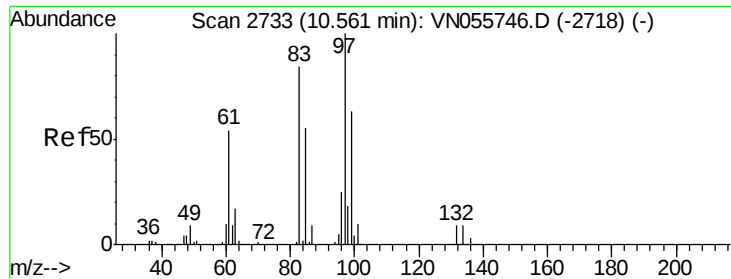
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.478 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

Tot Ion: 97 Resp: 70976

Ion	Ratio	Lower	Upper
97	100		
83	83.4	67.0	100.6
85	56.7	44.0	66.0
99	65.0	50.6	75.8

Abundance

Ion 96.90 (96.60 to 97.60): VNO

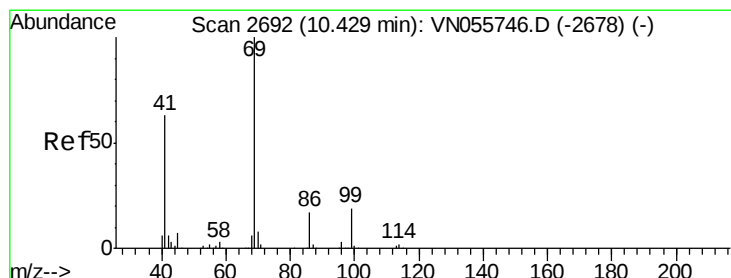
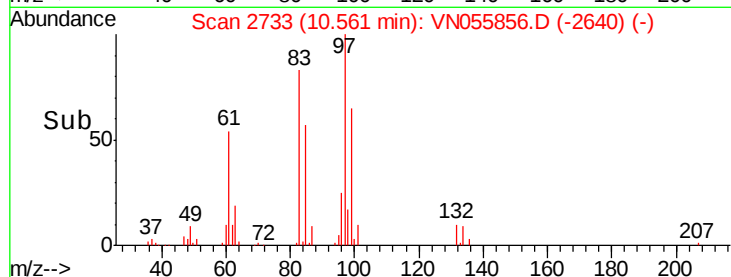
Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.56

Time-->



#56

Ethyl methacrylate

Concen: 19.554 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Tgt Ion: 69 Resp: 104744

Ion	Ratio	Lower	Upper
69	100		
41	63.3	49.7	74.5
39	32.5	24.7	37.1

Abundance

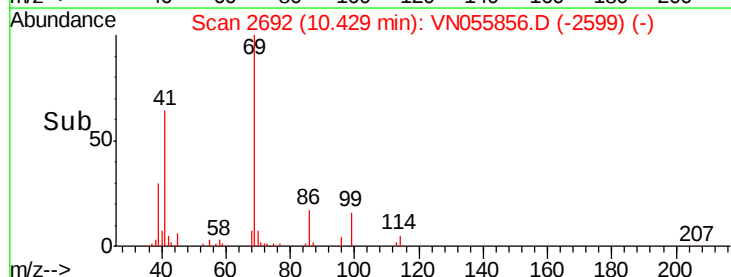
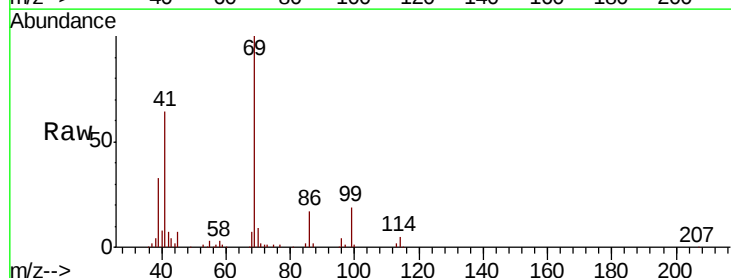
Ion 69.00 (68.70 to 69.70): VNO

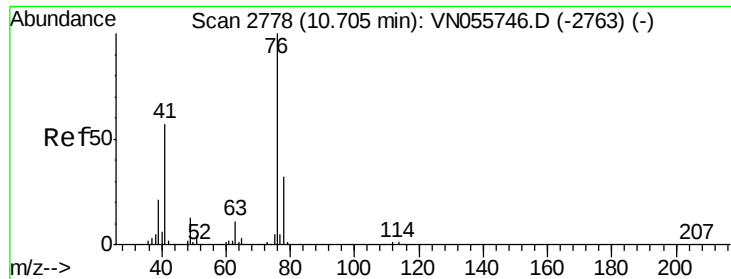
Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.43

Time-->

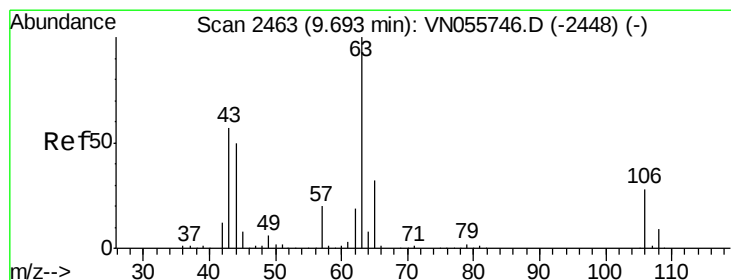
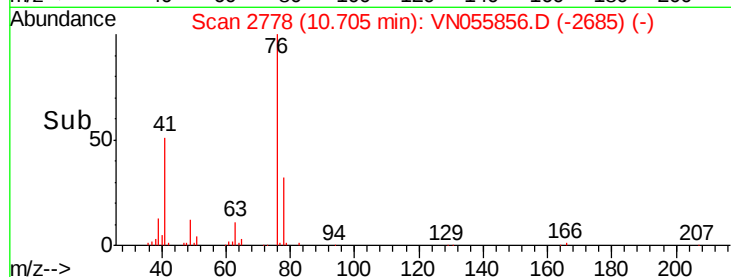
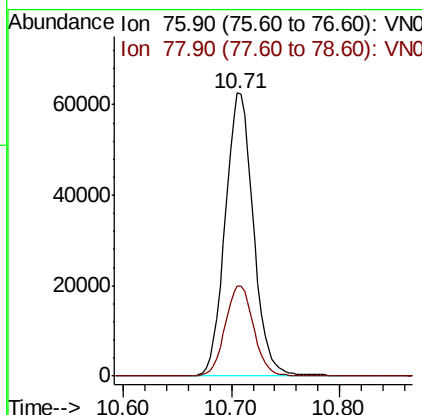
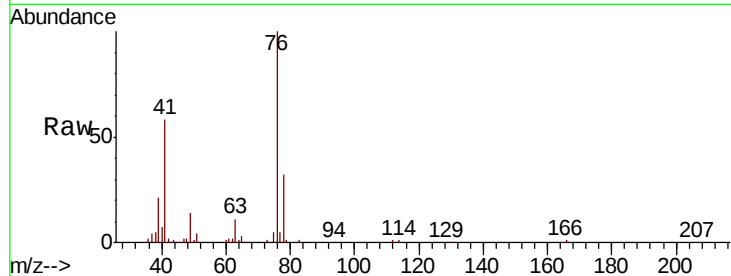




#57
 1,3-Dichloropropane
 Concen: 20.234 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

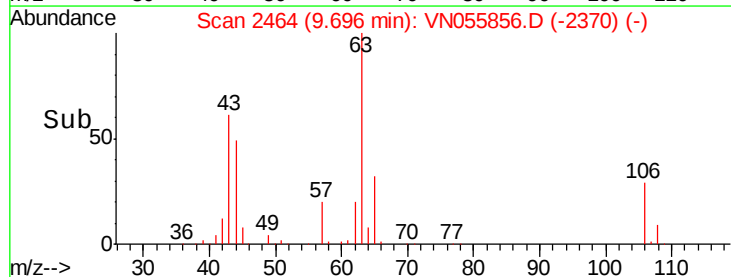
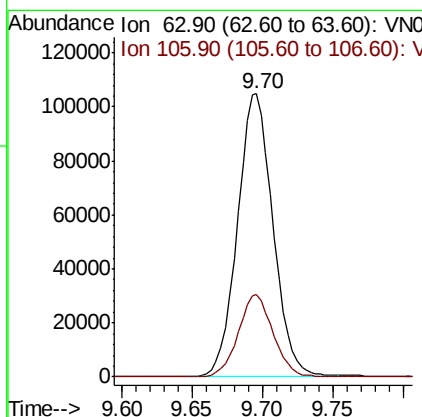
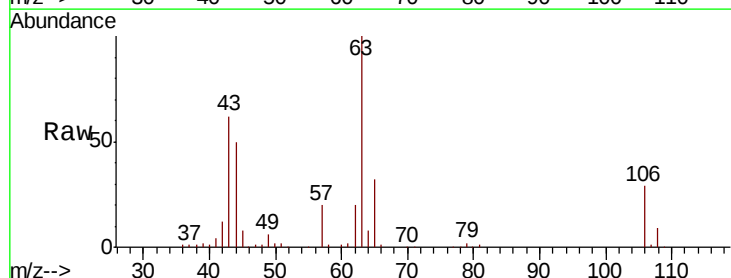
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

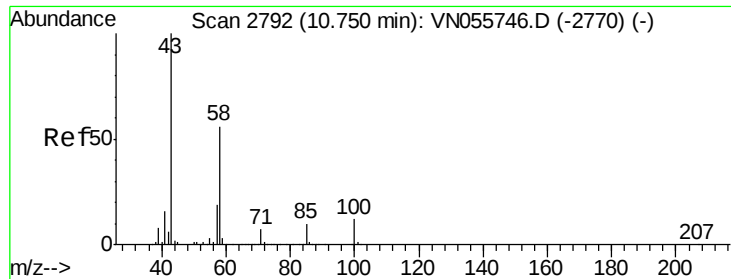
Tot Ion: 76 Resp: 113997
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 90.501 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion: 63 Resp: 185260
 Ion Ratio Lower Upper
 63 100
 106 28.6 22.7 34.1

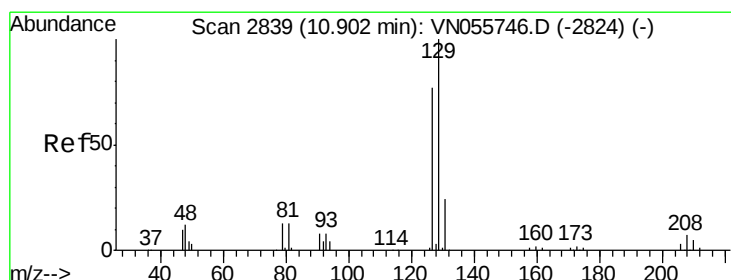
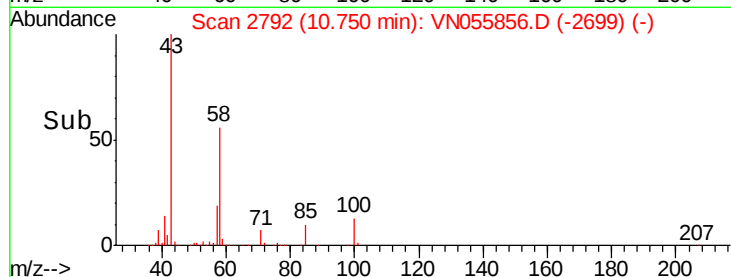
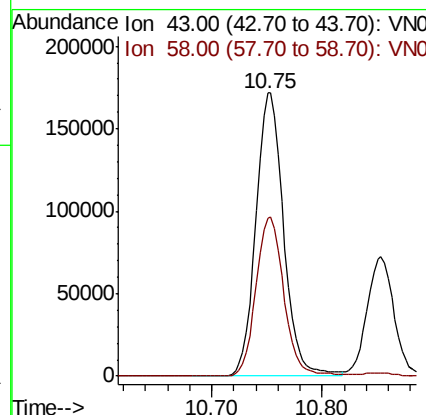
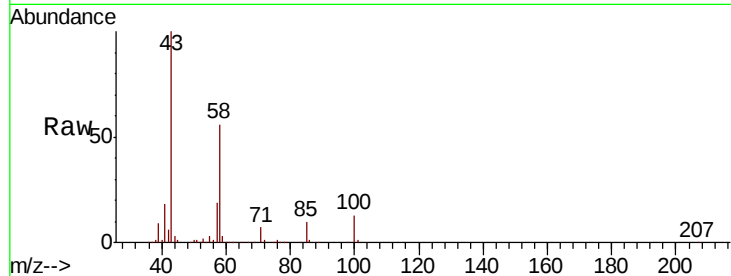




#59
2-Hexanone
Concen: 96.509 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

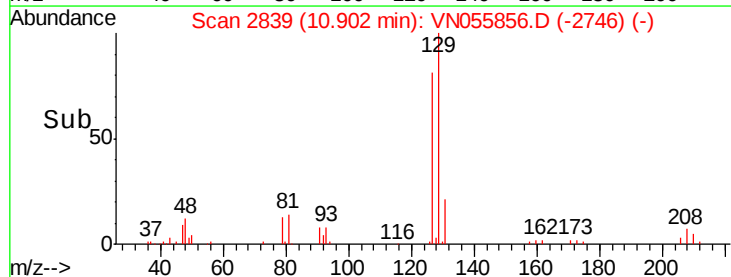
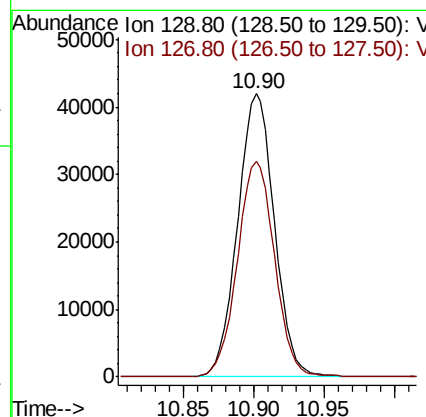
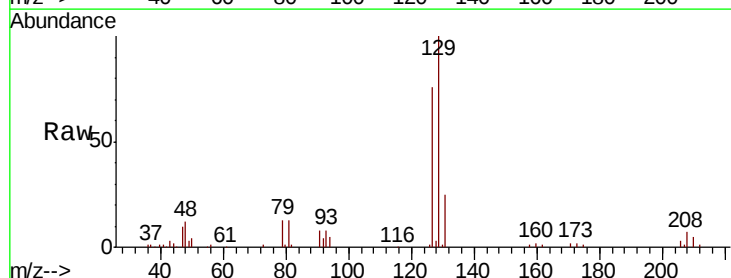
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

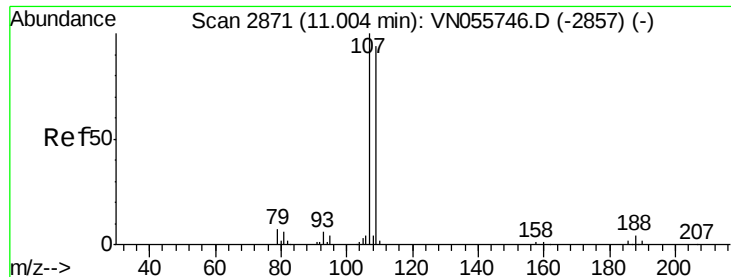
Tot Ion: 43 Resp: 299710
Ion Ratio Lower Upper
43 100
58 56.4 28.2 84.7



#60
Dibromochloromethane
Concen: 18.952 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 129 Resp: 76523
Ion Ratio Lower Upper
129 100
127 77.3 38.1 114.3

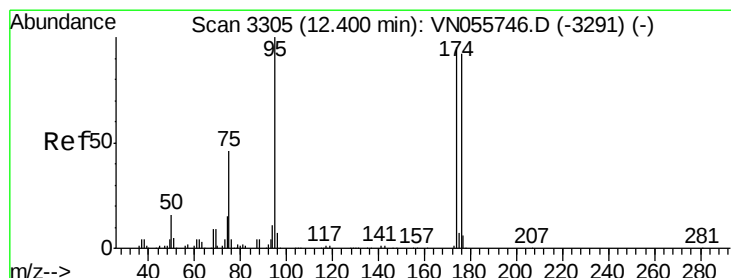
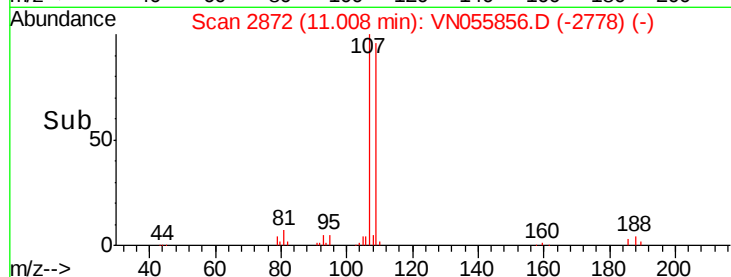
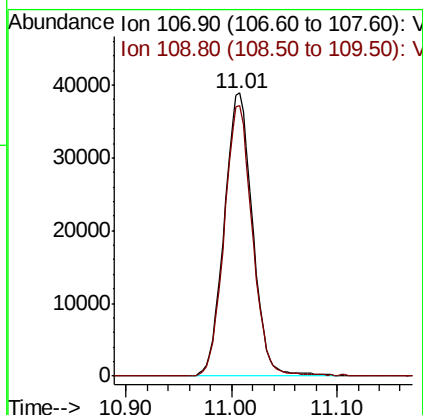
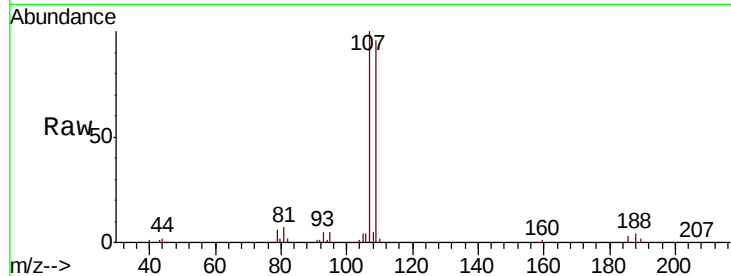




#61
 1,2-Dibromoethane
 Concen: 20.088 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

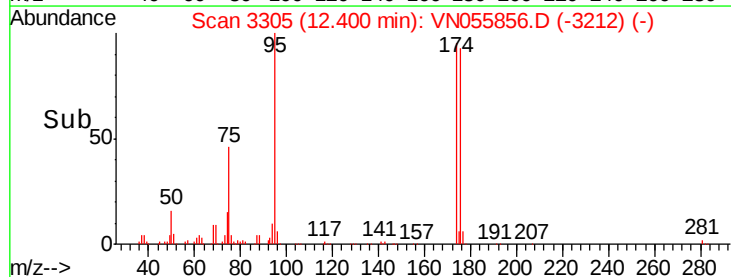
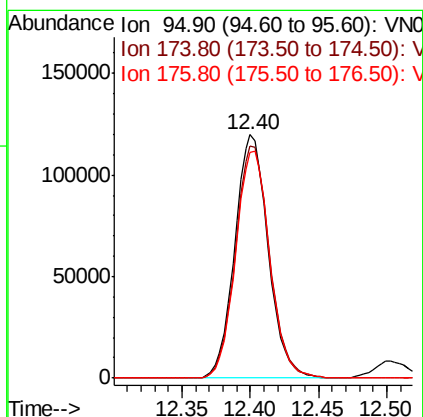
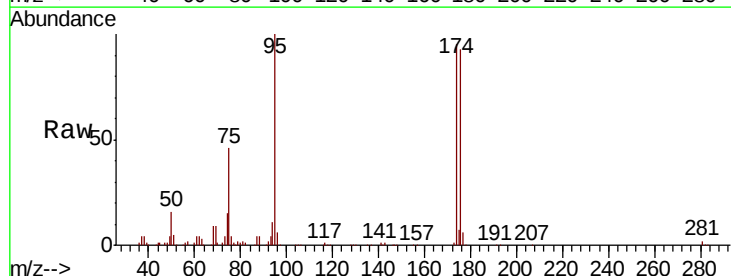
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

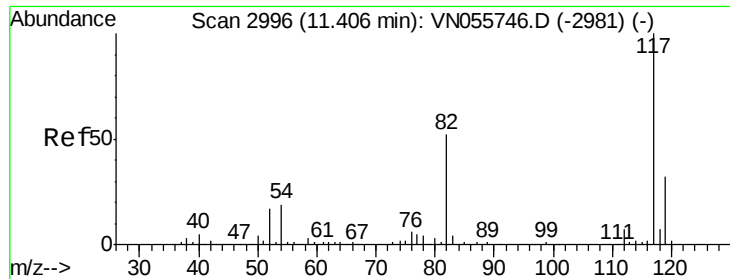
Tot Ion:107 Resp: 72216
 Ion Ratio Lower Upper
 107 100
 109 94.7 74.8 112.2



#62
 4-Bromofluorobenzene
 Concen: 46.732 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion: 95 Resp: 203539
 Ion Ratio Lower Upper
 95 100
 174 97.6 0.0 191.0
 176 95.2 0.0 185.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

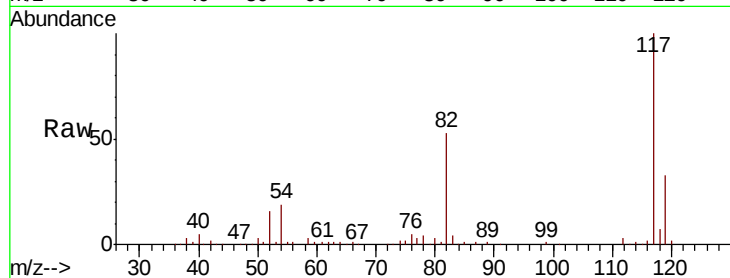
Tot Ion:117 Resp: 453316

Ion Ratio Lower Upper

117 100

82 52.6 41.8 62.8

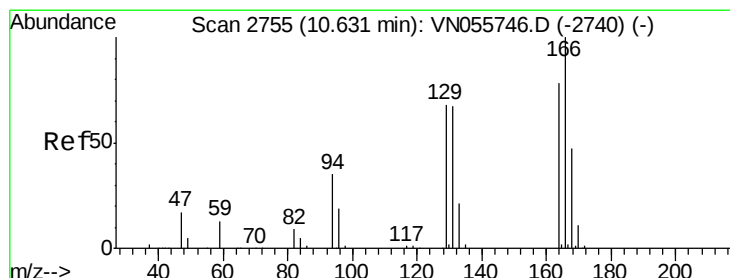
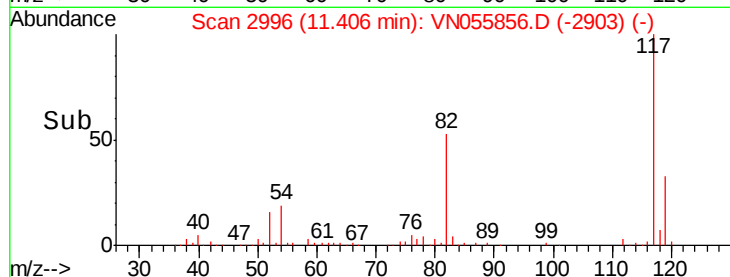
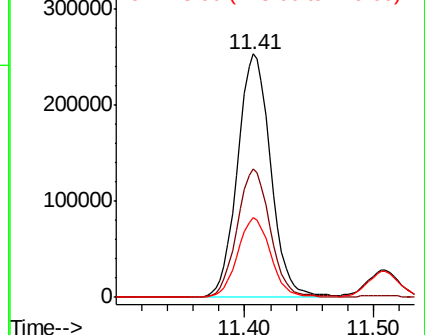
119 32.5 25.4 38.0



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.849 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Tgt Ion:164 Resp: 79715

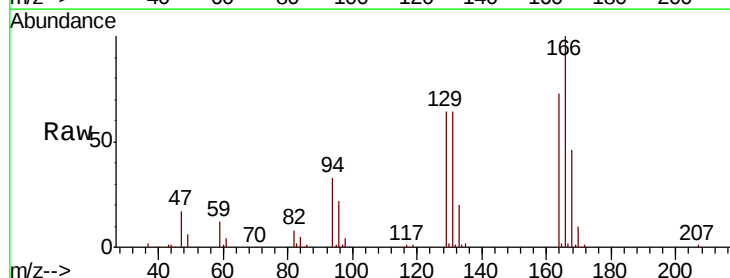
Ion Ratio Lower Upper

164 100

166 136.4 103.0 154.6

129 87.8 70.6 105.8

131 86.6 68.6 102.8

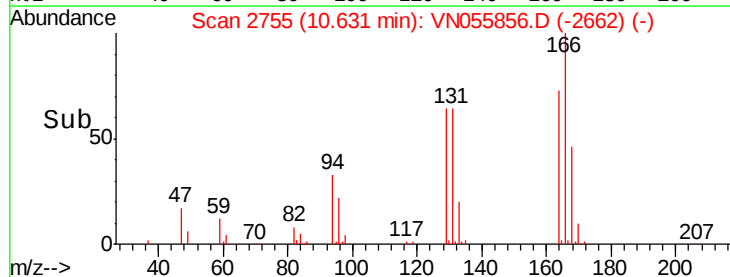
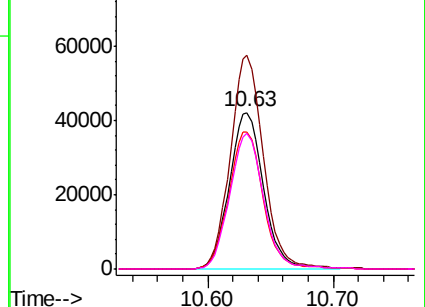


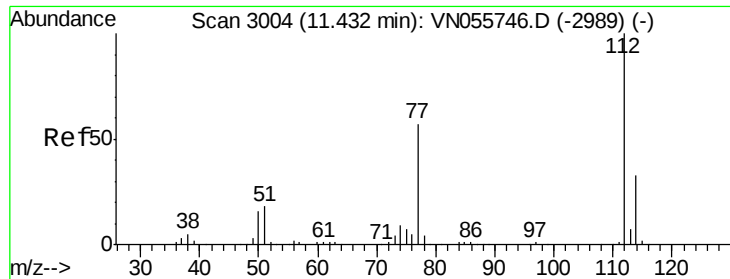
Abundance Ion 163.80 (163.50 to 164.50): V

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

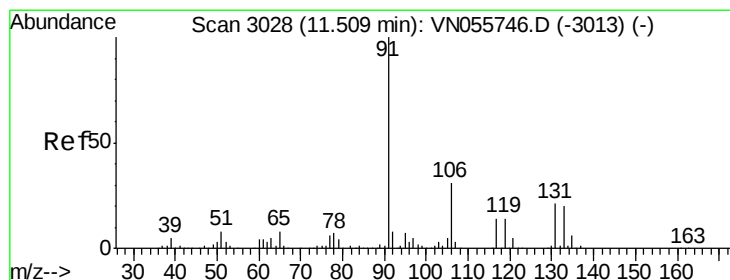
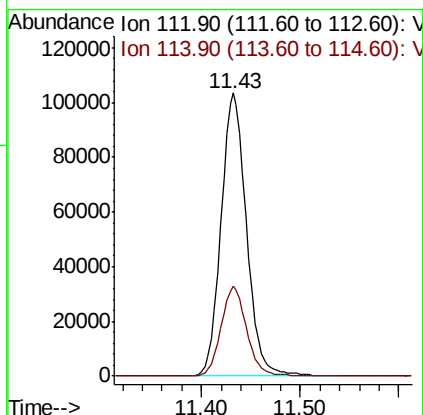
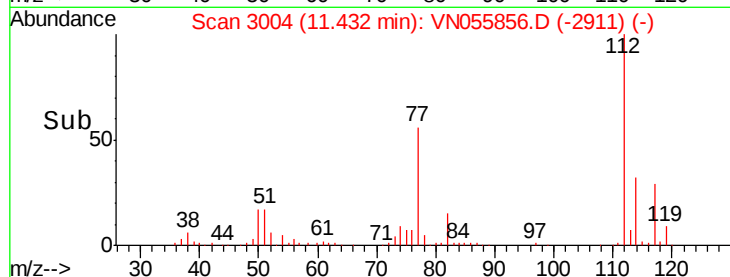
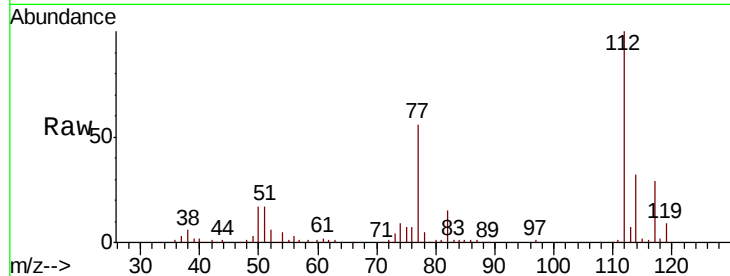




#65
Chlorobenzene
Concen: 20.664 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

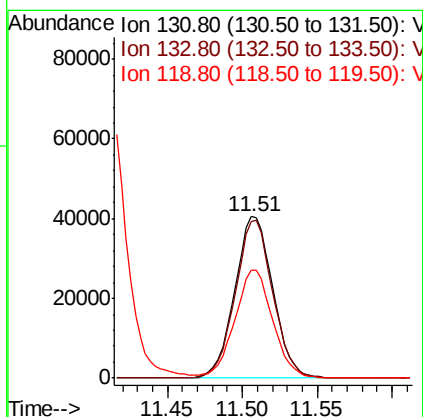
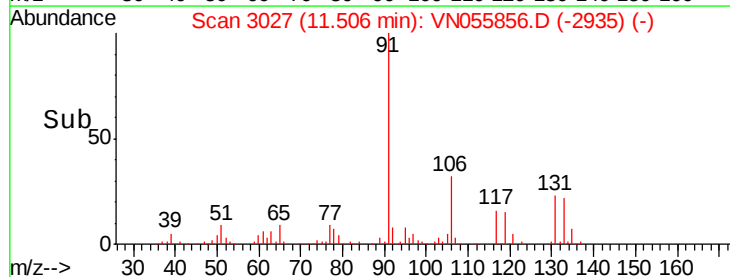
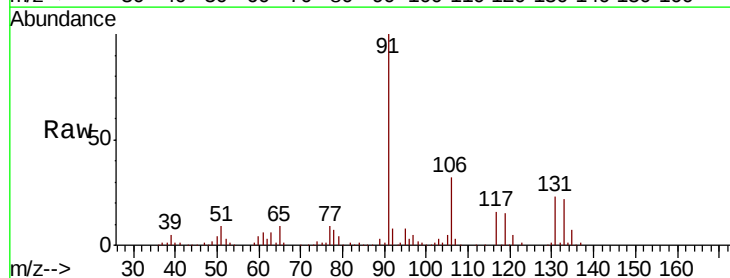
Instrument :
MSVOA_N
ClientSampled :
VN0528MBS01

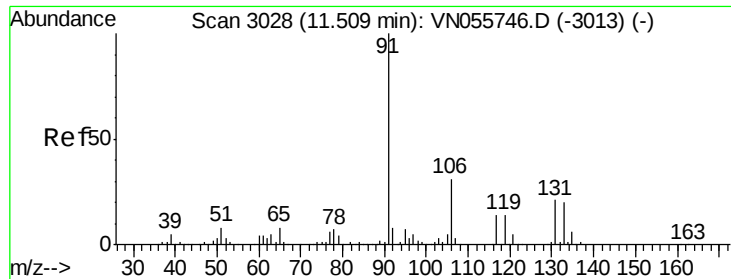
Tot Ion:112 Resp: 187524
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.825 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion:131 Resp: 71756
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 66.7 33.1 99.5

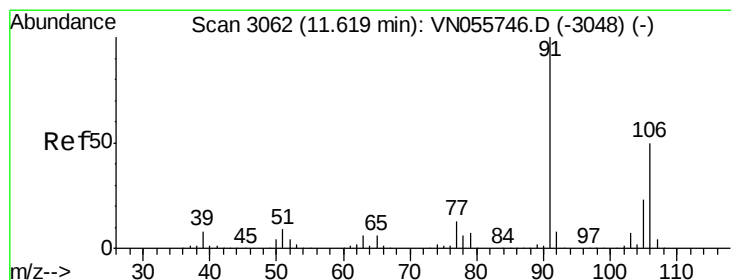
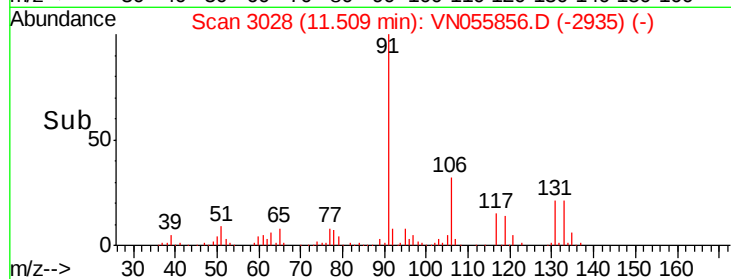
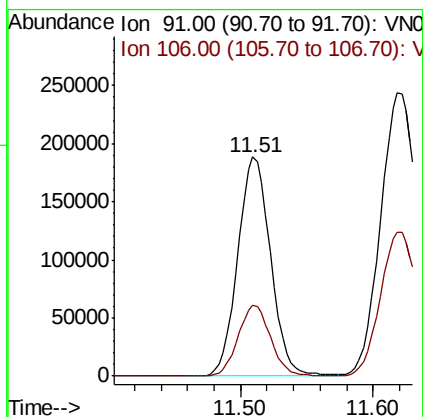
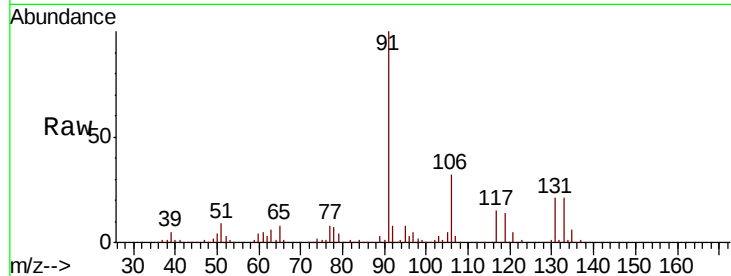




#67
Ethyl Benzene
Concen: 19.905 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

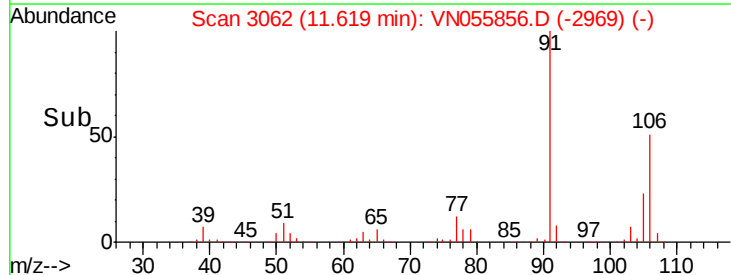
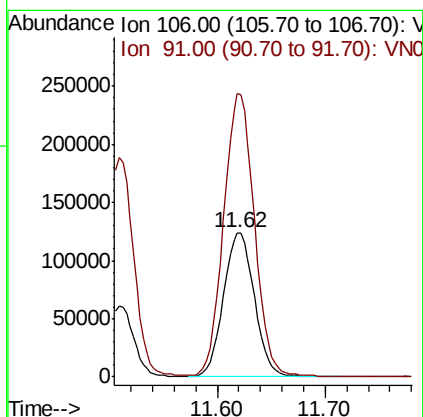
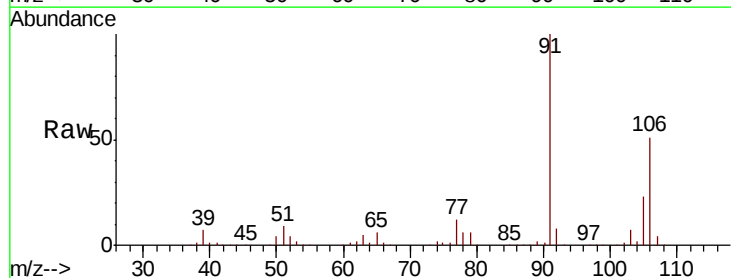
Instrument :
MSVOA_N
ClientSampled :
VN0528MBS01

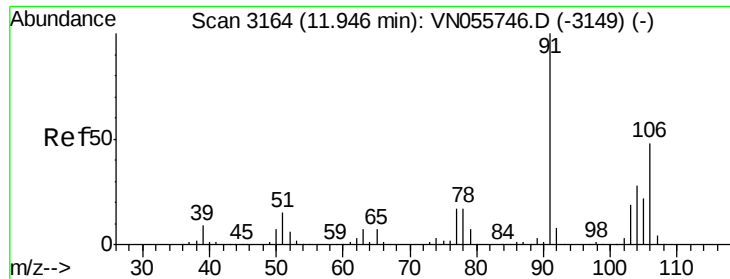
Tot Ion: 91 Resp: 323939
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7



#68
m/p-Xylenes
Concen: 40.317 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 106 Resp: 248045
Ion Ratio Lower Upper
106 100
91 195.4 159.3 238.9

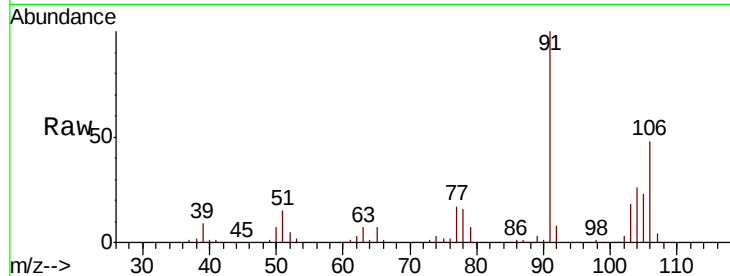




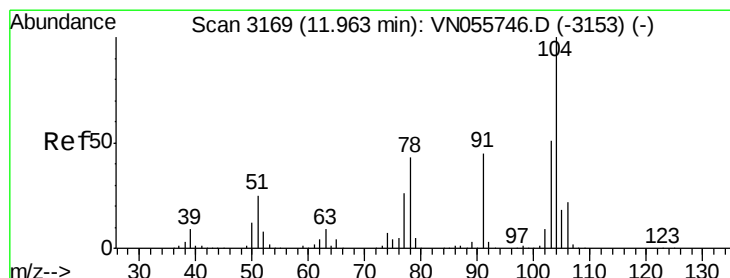
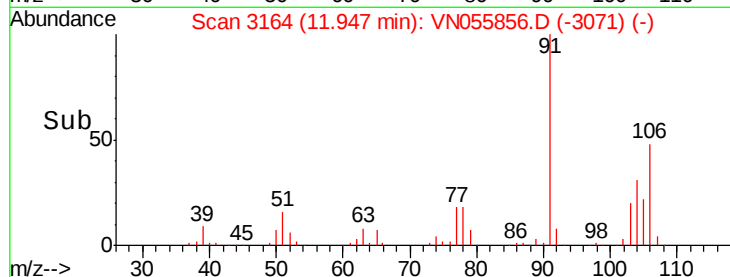
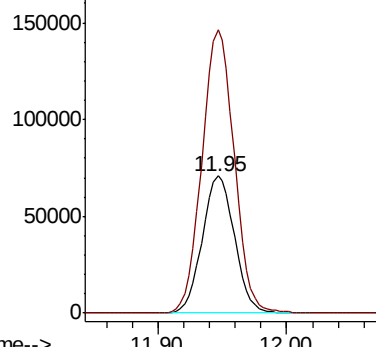
#69
o-Xylene
Concen: 20.119 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

Tot Ion:106 Resp: 122807
Ion Ratio Lower Upper
106 100
91 206.7 104.7 314.1

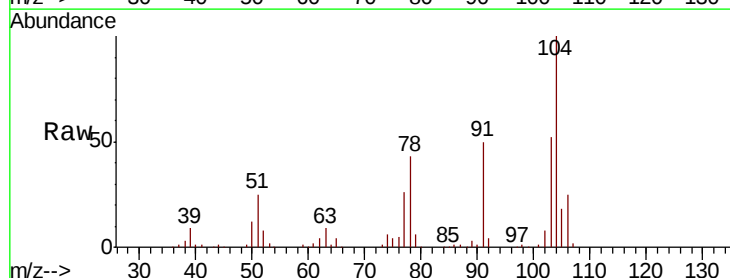


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

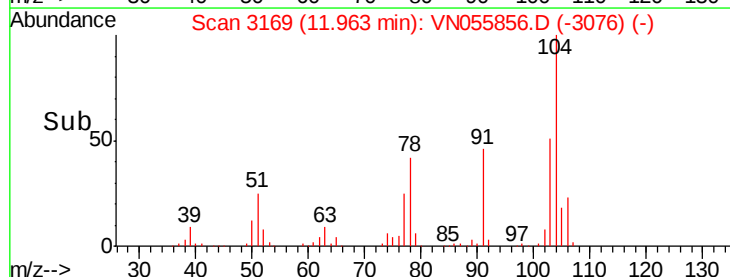
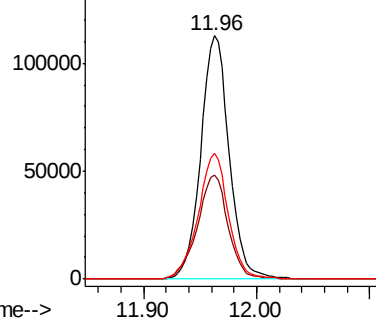


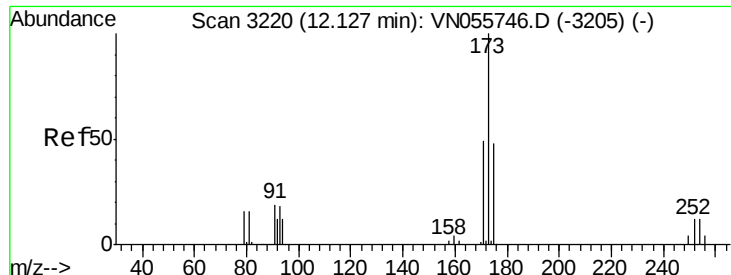
#70
Styrene
Concen: 19.920 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion:104 Resp: 196900
Ion Ratio Lower Upper
104 100
78 46.4 37.8 56.6
103 54.8 44.2 66.2



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: 18.418 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

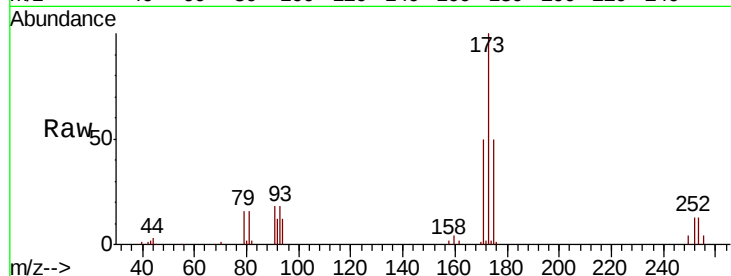
Tot Ion:173 Resp: 56861

Ion Ratio Lower Upper

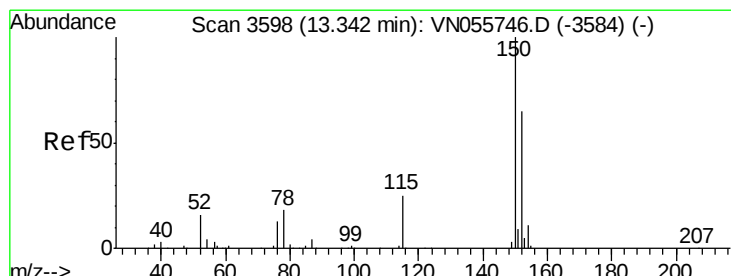
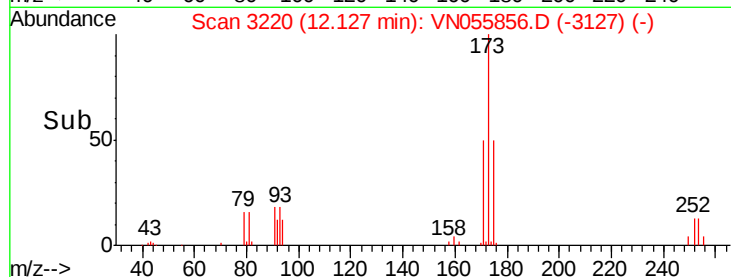
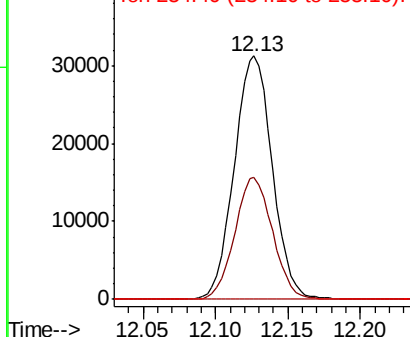
173 100

175 49.5 24.3 72.8

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

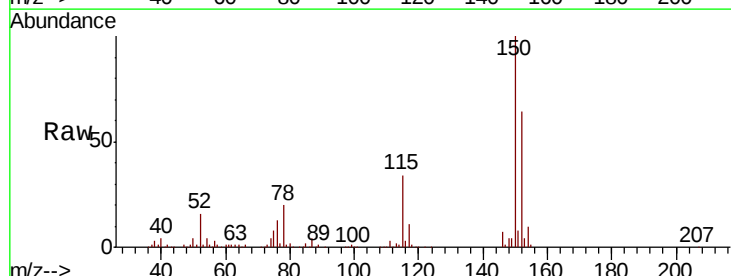
Tgt Ion:152 Resp: 188386

Ion Ratio Lower Upper

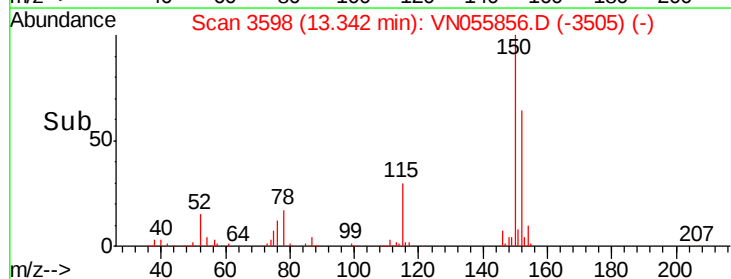
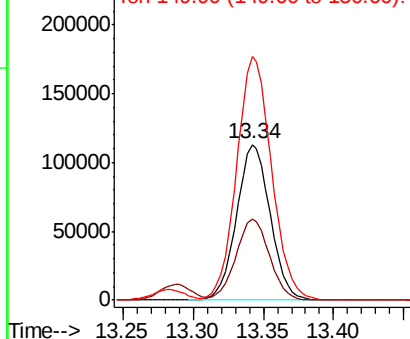
152 100

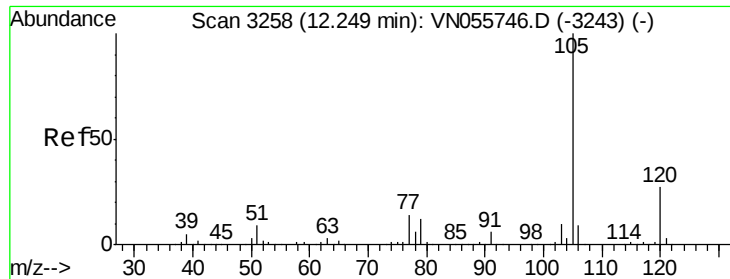
115 52.4 27.0 81.0

150 163.2 0.0 343.2



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





#73

Isopropylbenzene

Concen: 22.657 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

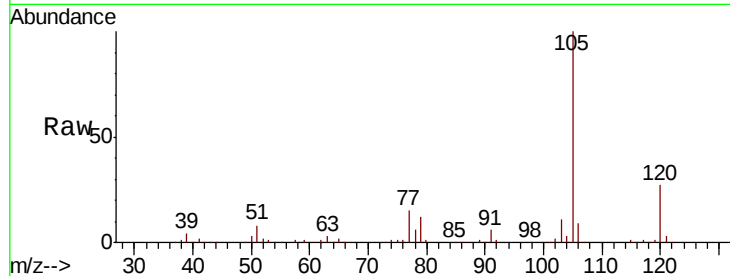
VN0528MBS01

Tot Ion:105 Resp: 323162

Ion Ratio Lower Upper

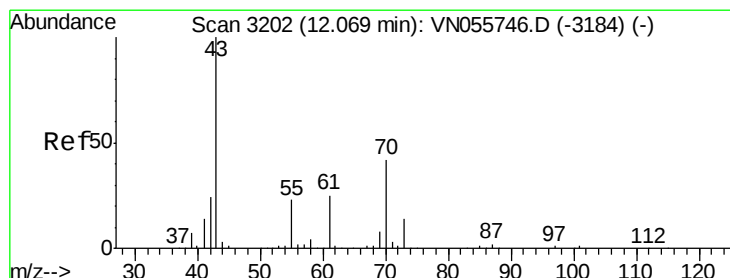
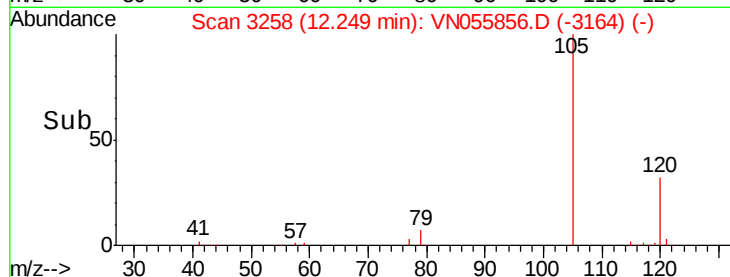
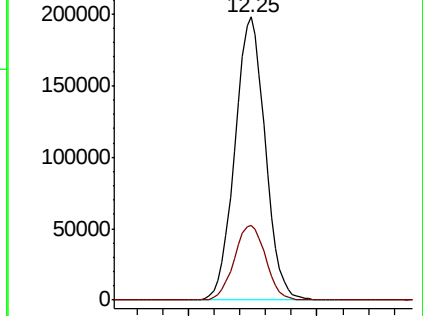
105 100

120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.813 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Tgt Ion: 43 Resp: 112957

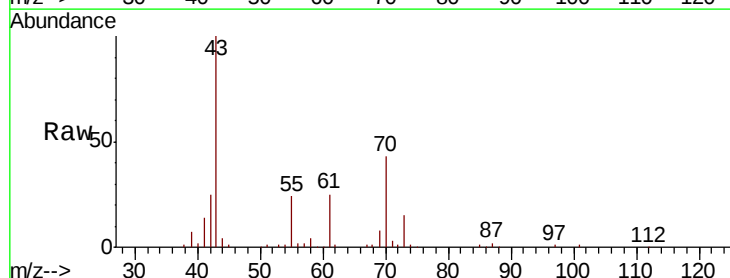
Ion Ratio Lower Upper

43 100

70 42.7 34.0 51.0

55 24.2 18.6 28.0

61 24.7 20.0 30.0

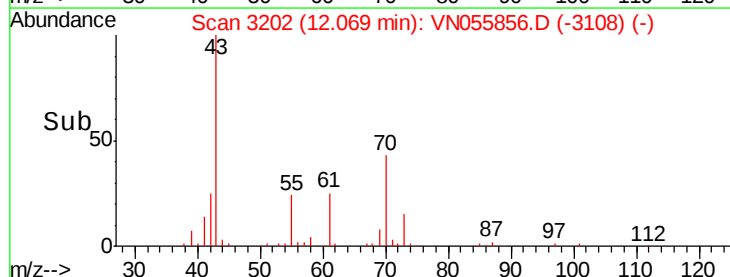
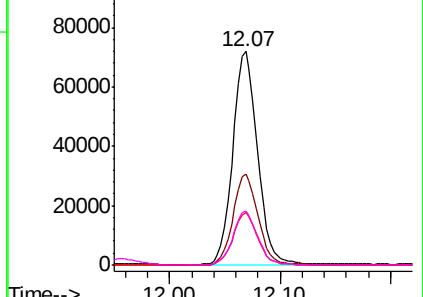


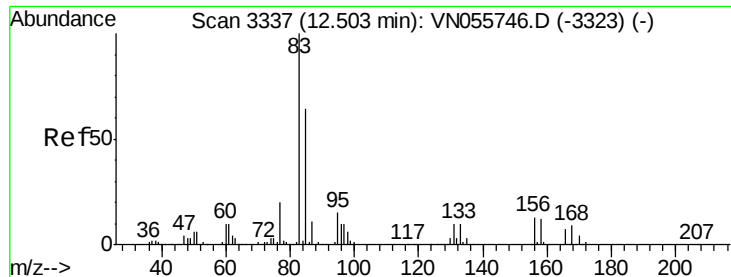
Abundance Ion 43.00 (42.70 to 43.70): VN0

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: 22.293 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

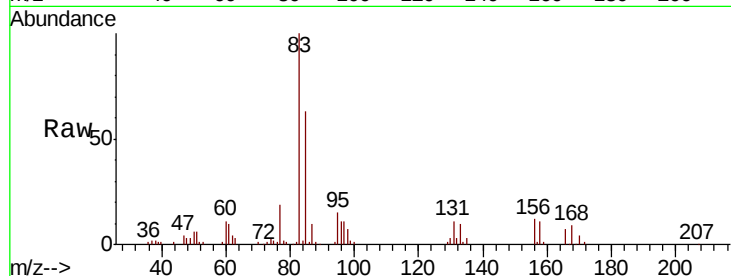
Tot Ion: 83 Resp: 95763

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

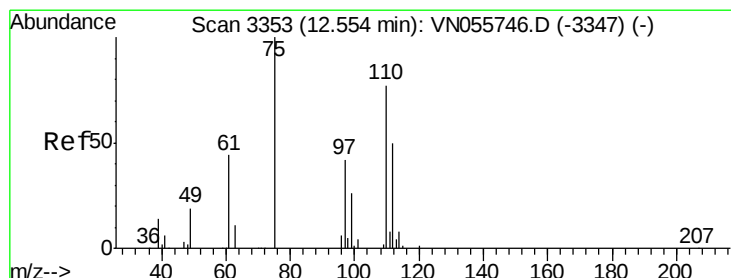
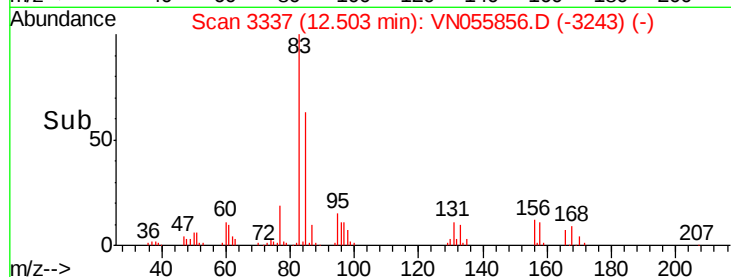
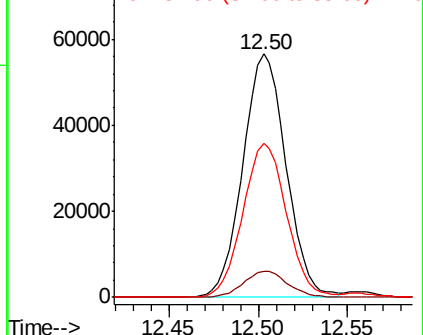
85 64.0 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055856.D (-3337) (-)

Ion 130.80 (130.50 to 131.50): VN055856.D (-3337) (-)

Ion 84.90 (84.60 to 85.60): VN055856.D (-3337) (-)



#76

1,2,3-Trichloropropane

Concen: 33.778 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055856.D

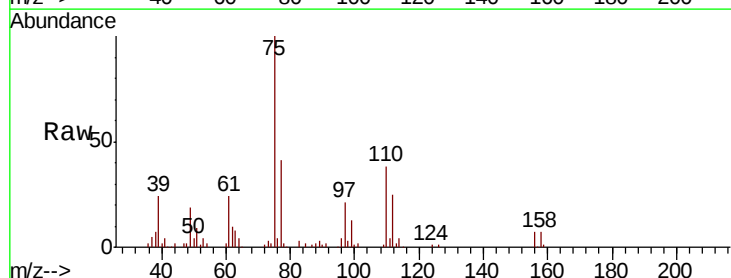
Acq: 28 May 2019 16:37

Tgt Ion: 75 Resp: 112883

Ion Ratio Lower Upper

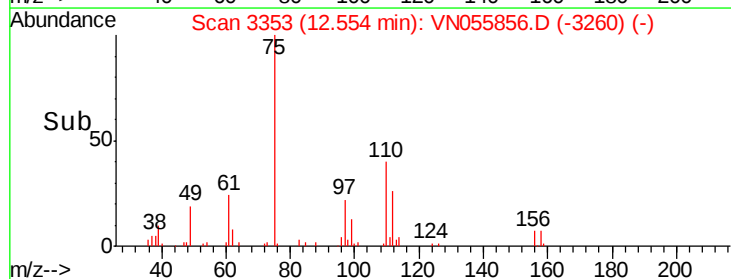
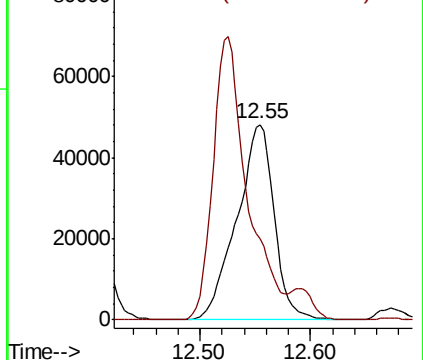
75 100

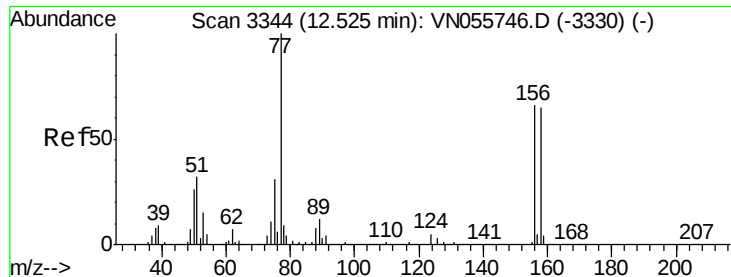
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055856.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055856.D (-3353) (-)





#77

Bromobenzene

Concen: 21.219 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

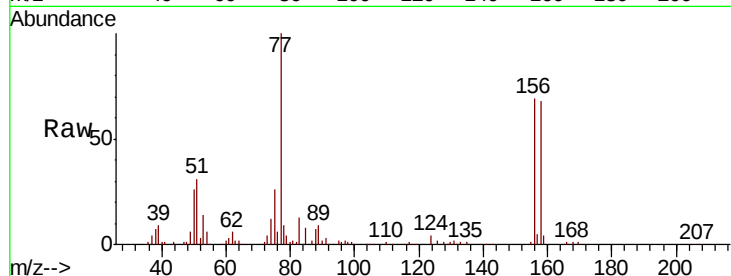
Tot Ion:156 Resp: 85298

Ion Ratio Lower Upper

156 100

77 174.9 90.8 272.5

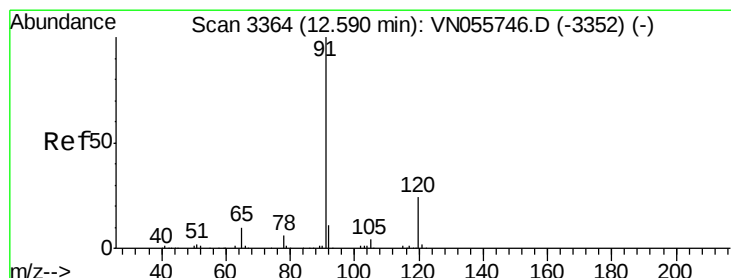
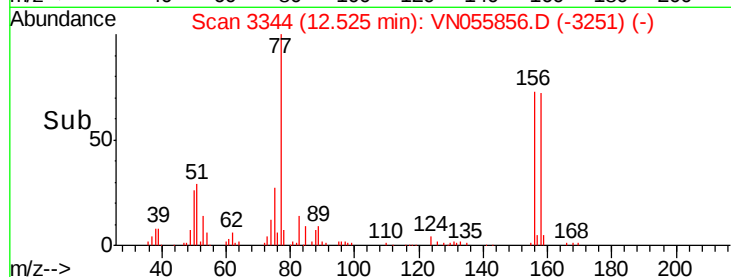
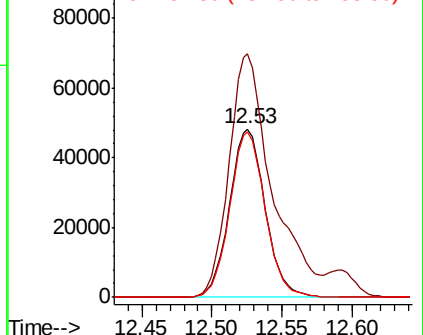
158 97.5 49.3 147.8



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: 20.203 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055856.D

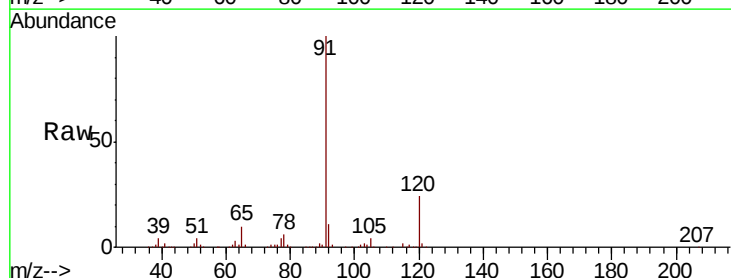
Acq: 28 May 2019 16:37

Tgt Ion: 91 Resp: 330796

Ion Ratio Lower Upper

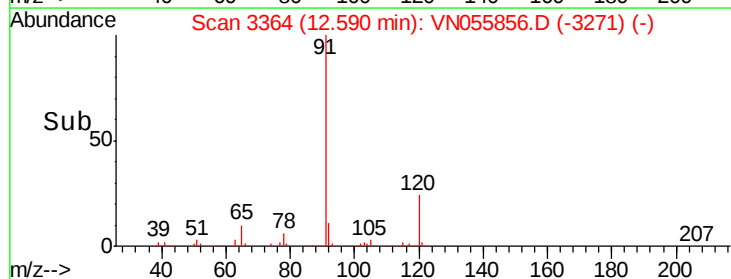
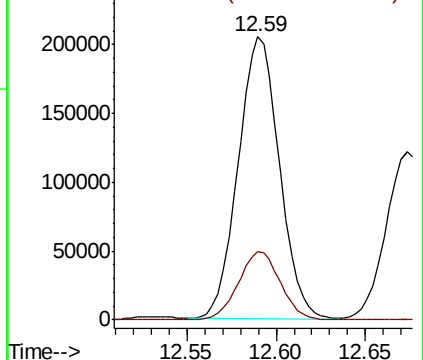
91 100

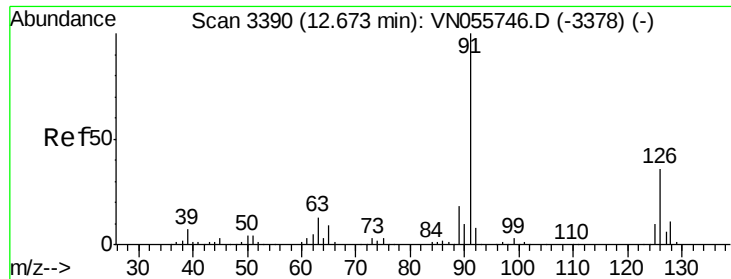
120 24.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

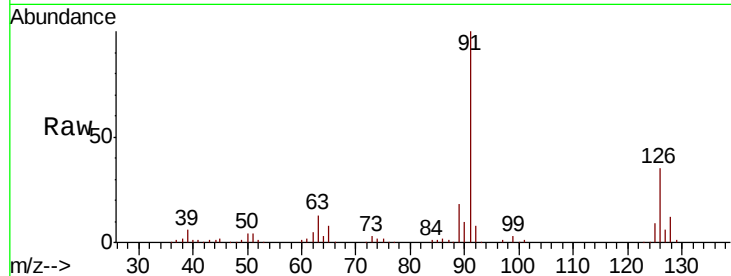




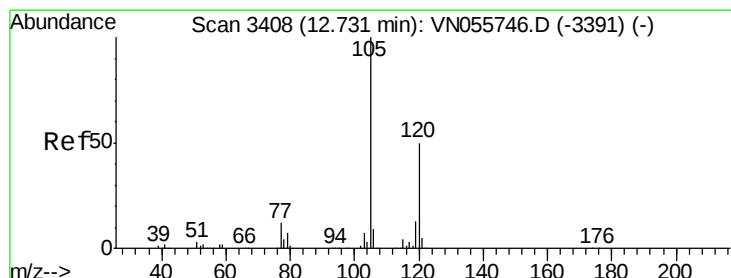
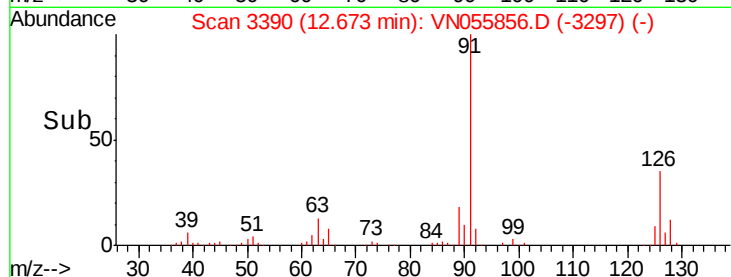
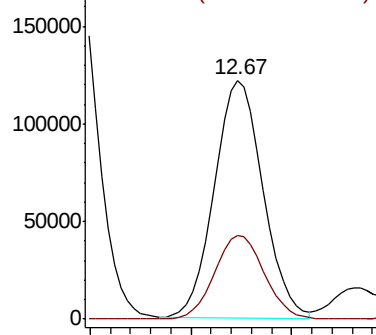
#79
 2-Chlorotoluene
 Concen: 21.820 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion: 91 Resp: 205111
 Ion Ratio Lower Upper
 91 100
 126 36.1 18.1 54.4

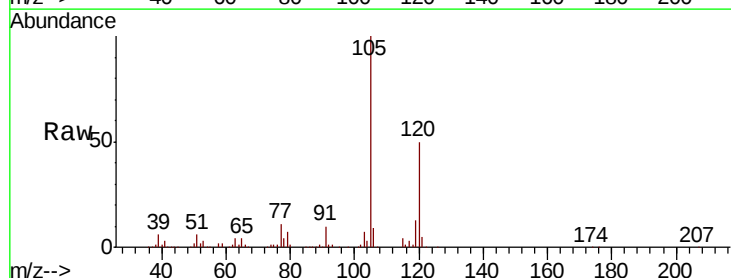


Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)
 Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

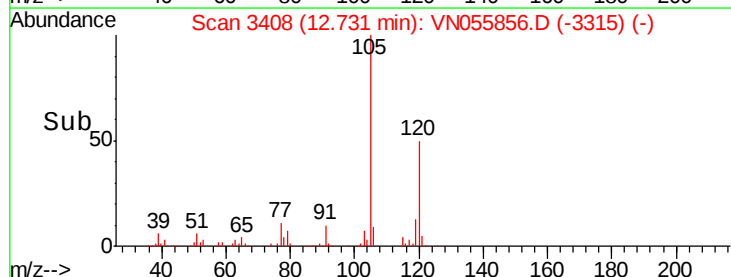
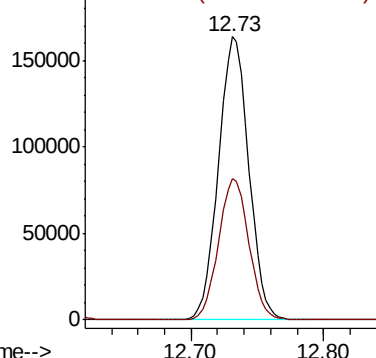


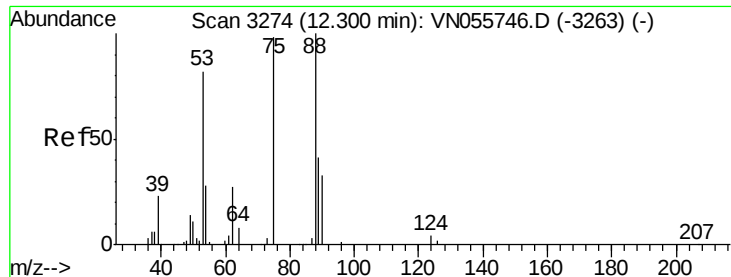
#80
 1,3,5-Trimethylbenzene
 Concen: 21.605 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion: 105 Resp: 260095
 Ion Ratio Lower Upper
 105 100
 120 50.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)
 Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.493 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

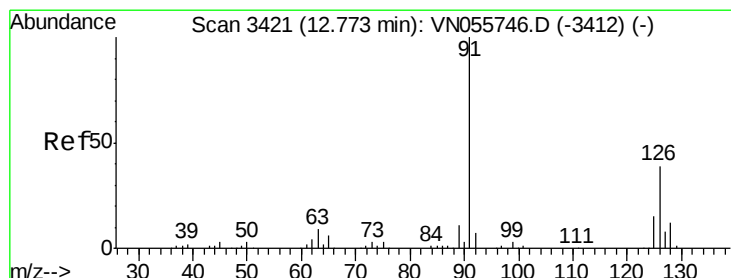
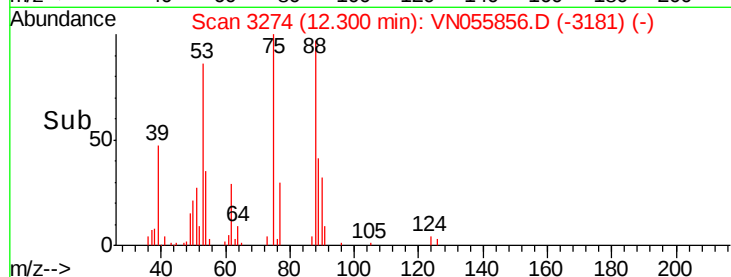
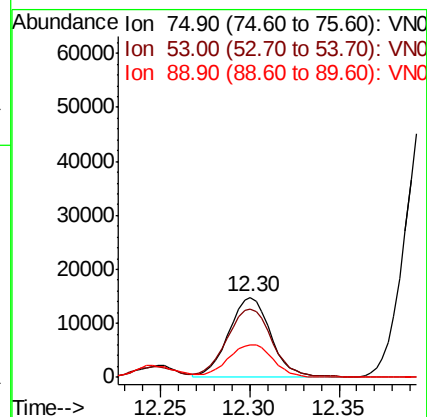
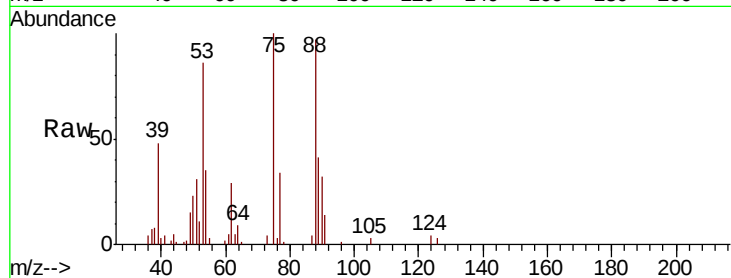
Tot Ion: 75 Resp: 24492

Ion Ratio Lower Upper

75 100

53 92.5 68.1 102.1

89 43.5 36.9 55.3



#82

4-Chlorotoluene

Concen: 19.915 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055856.D

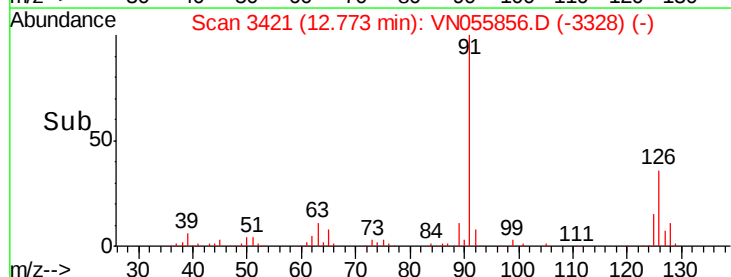
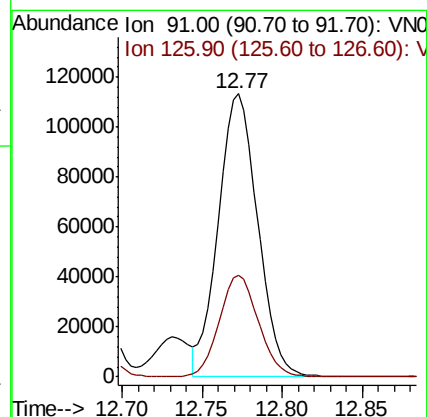
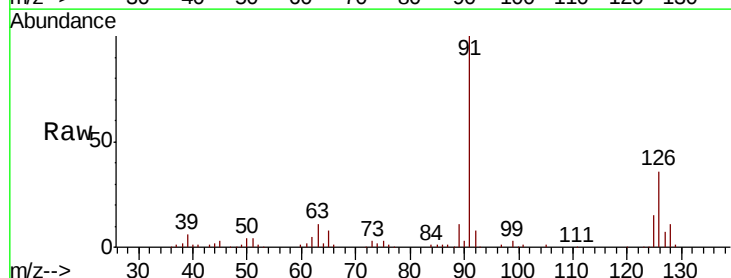
Acq: 28 May 2019 16:37

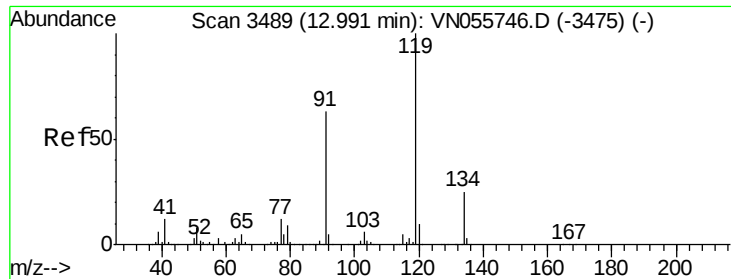
Tgt Ion: 91 Resp: 191678

Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.3

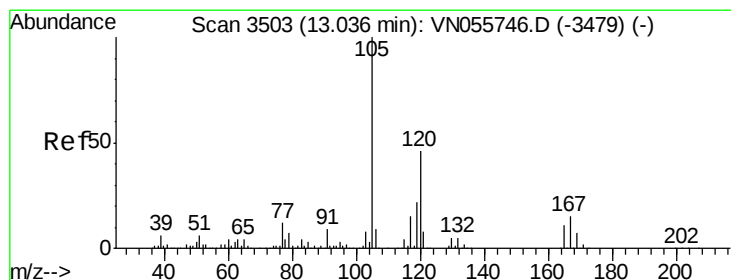
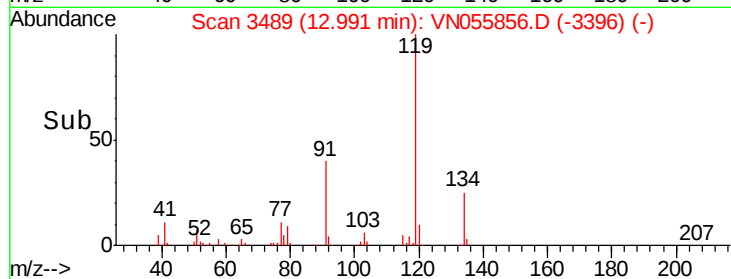
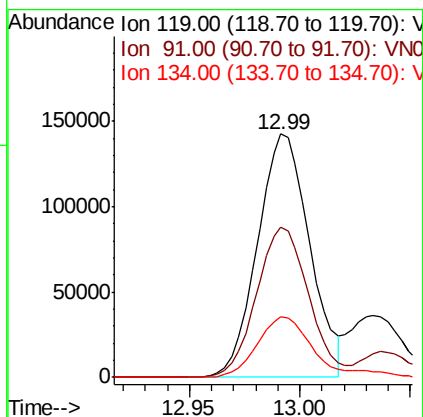
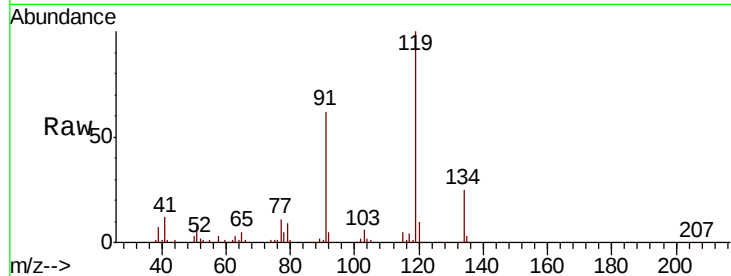




#83
 tert-Butylbenzene
 Concen: 22.341 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

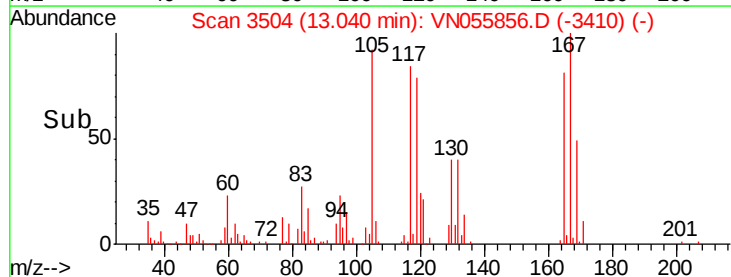
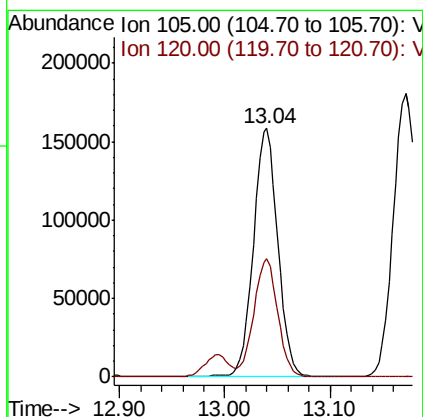
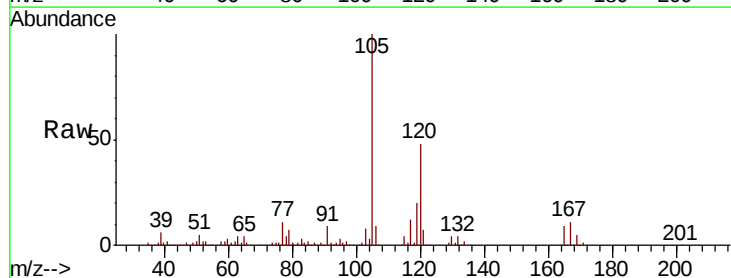
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

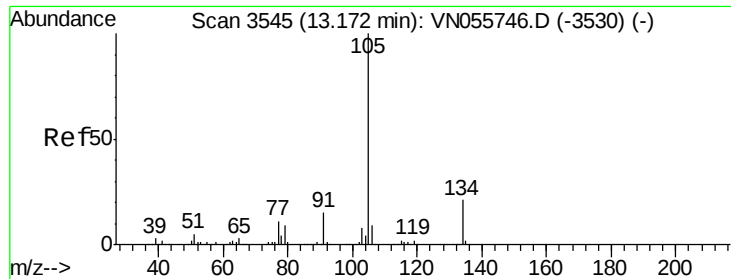
Tot Ion:119 Resp: 234147
 Ion Ratio Lower Upper
 119 100
 91 61.5 30.9 92.8
 134 27.0 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.400 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion:105 Resp: 256071
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 21.709 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

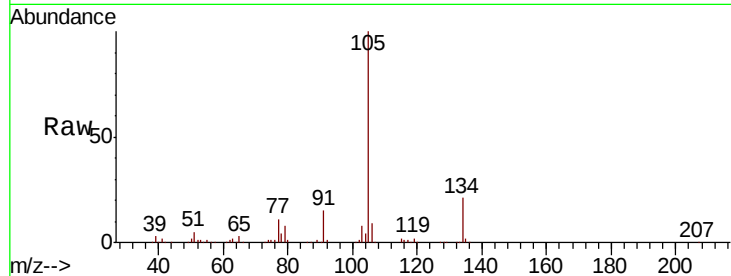
VN0528MBS01

Tot Ion:105 Resp: 292257

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

150000

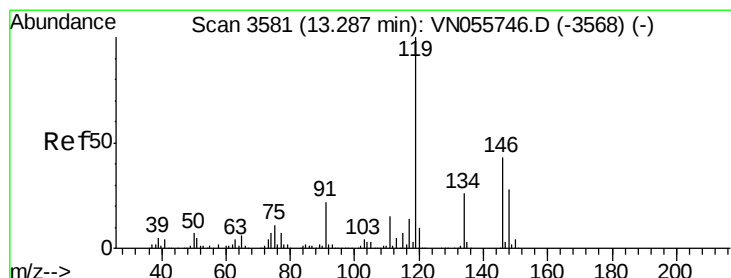
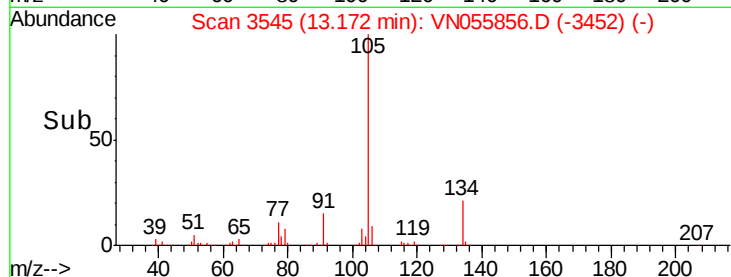
100000

50000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 20.108 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

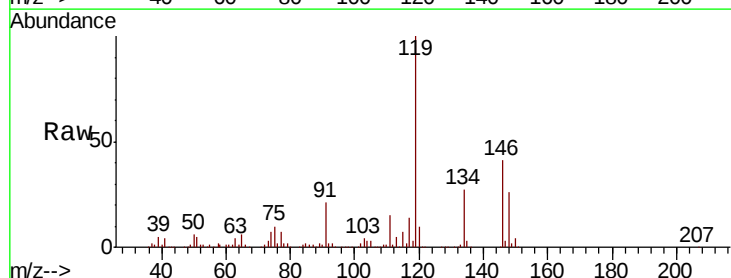
Tgt Ion:119 Resp: 263073

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.7 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

150000

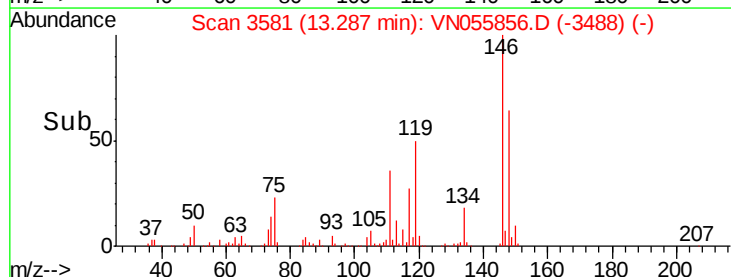
100000

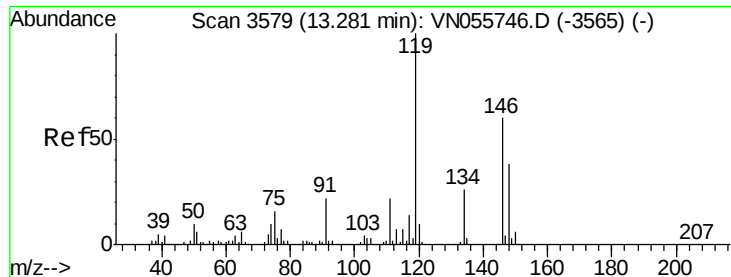
50000

0

Time-->

13.20 13.25 13.30 13.35

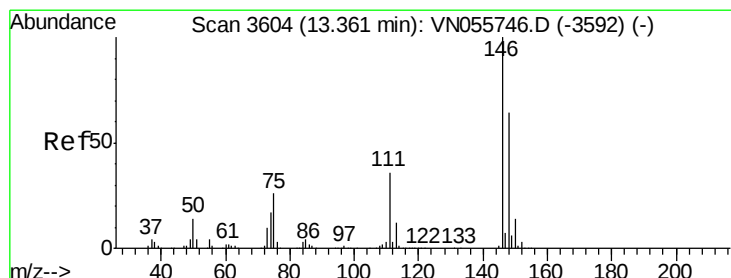
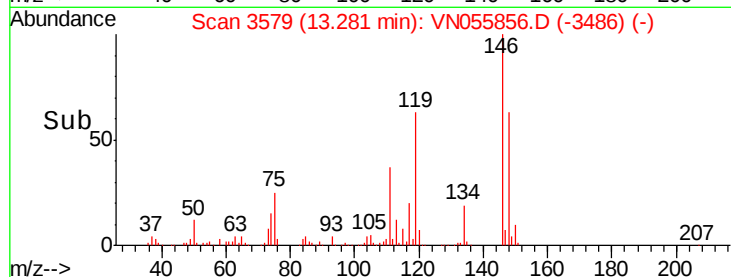
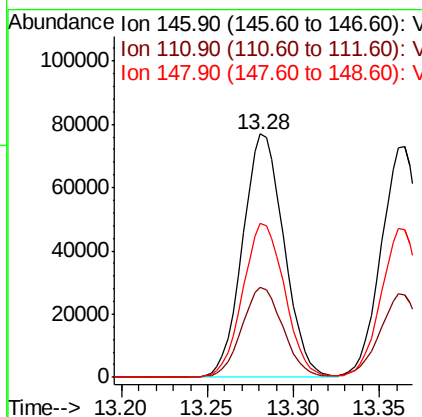
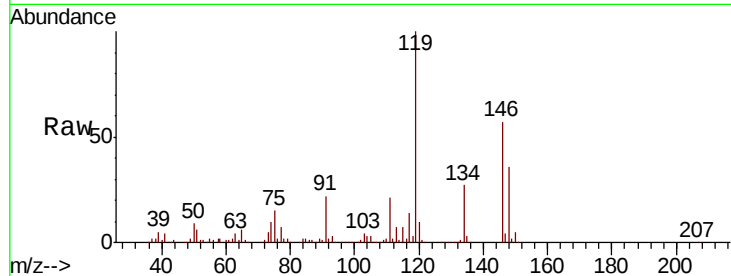




#87
 1,3-Dichlorobenzene
 Concen: 20.210 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

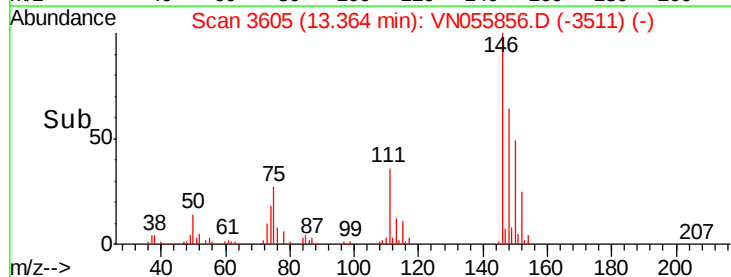
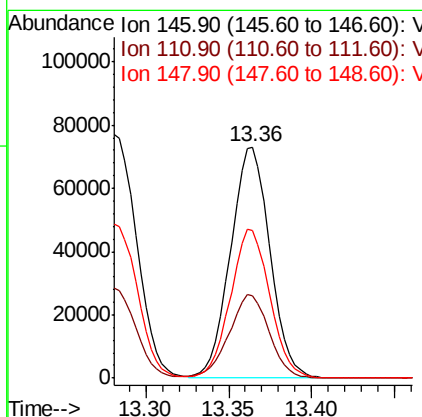
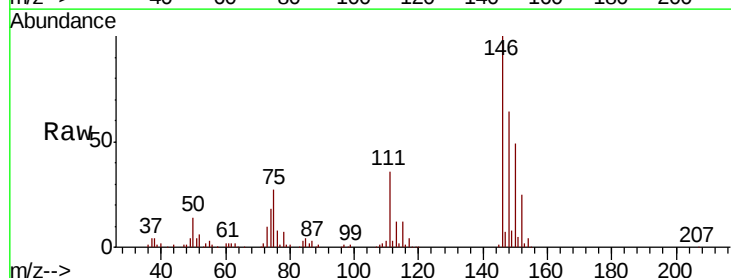
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

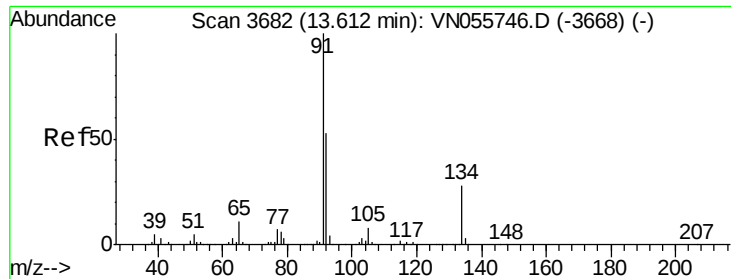
Tot Ion:146 Resp: 128646
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.5 55.5
 148 63.9 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.007 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion:146 Resp: 121079
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.1 54.4
 148 64.5 32.1 96.5

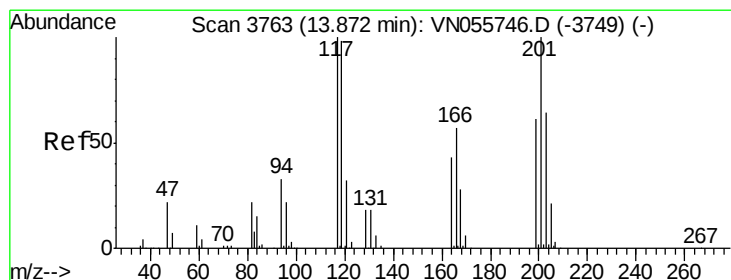
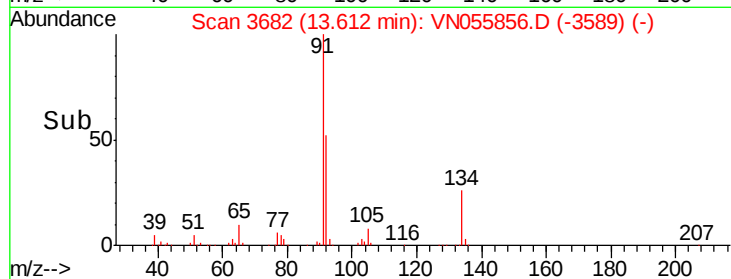
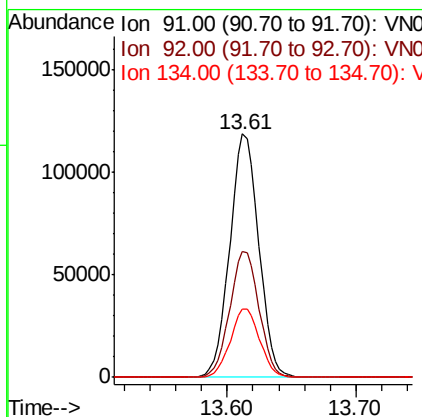
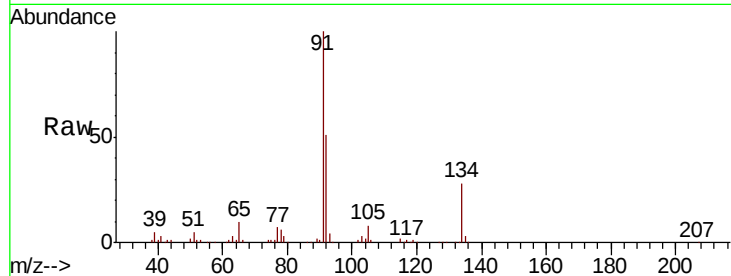




#89
n-Butylbenzene
Concen: 18.442 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

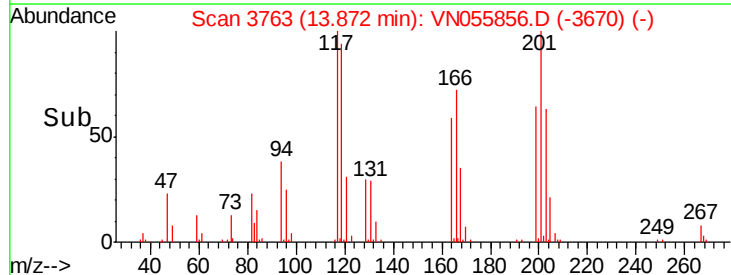
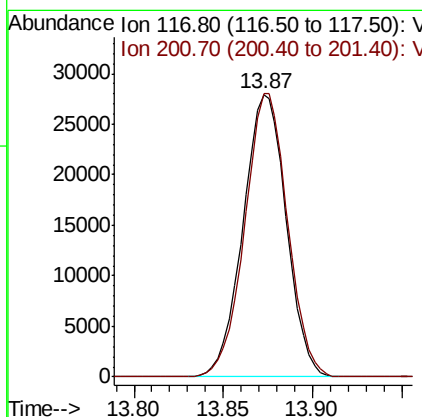
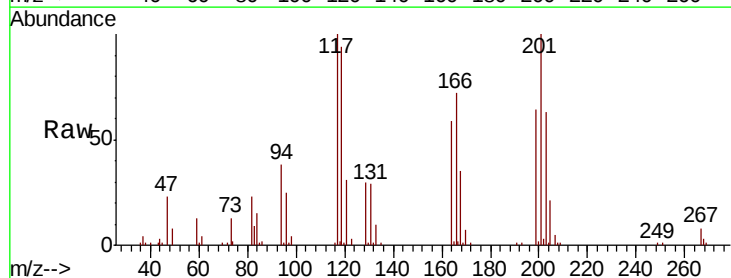
Instrument :
MSVOA_N
ClientSampleId :
VN0528MBS01

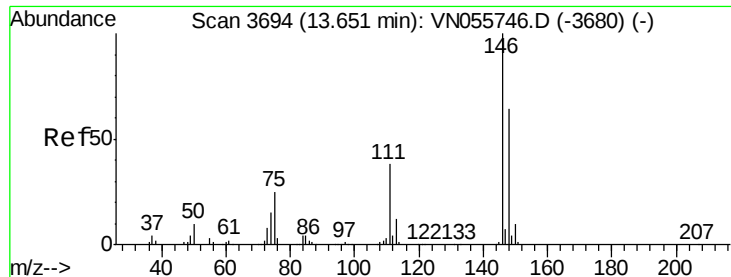
Tot Ion: 91 Resp: 184867
Ion Ratio Lower Upper
91 100
92 52.0 26.4 79.0
134 28.3 13.9 41.7



#90
Hexachloroethane
Concen: 18.978 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055856.D
Acq: 28 May 2019 16:37

Tgt Ion: 117 Resp: 47258
Ion Ratio Lower Upper
117 100
201 99.6 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 20.483 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampled :

VN0528MBS01

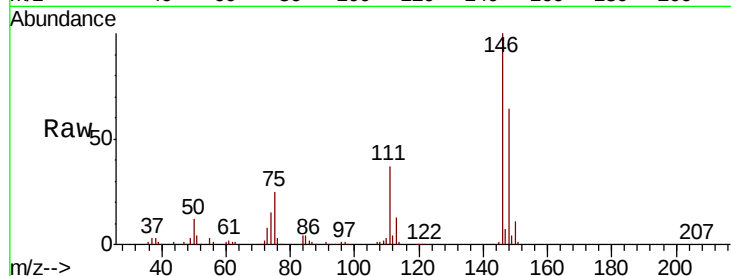
Tot Ion:146 Resp: 130081

Ion Ratio Lower Upper

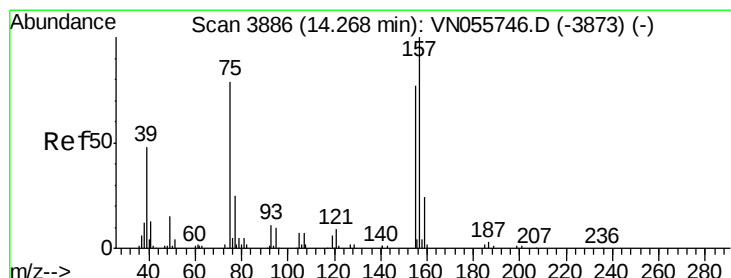
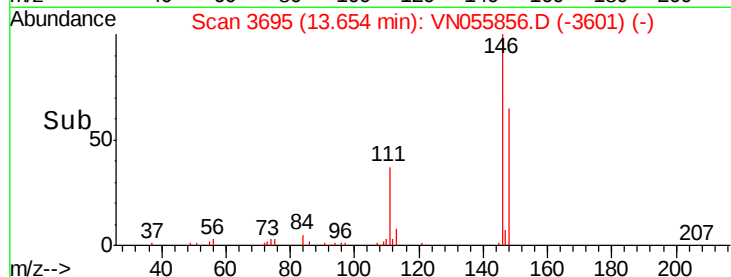
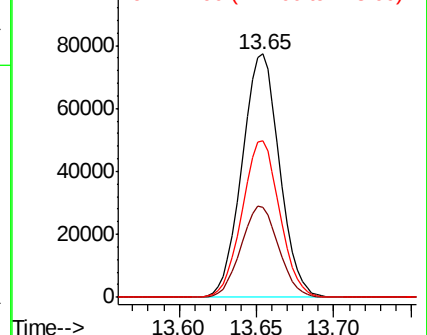
146 100

111 37.8 19.1 57.5

148 64.4 31.9 95.9



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: 18.720 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

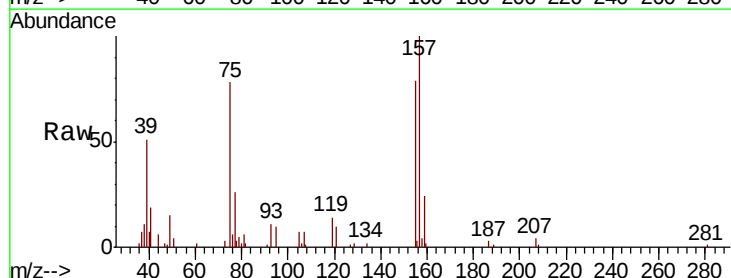
Tgt Ion: 75 Resp: 15626

Ion Ratio Lower Upper

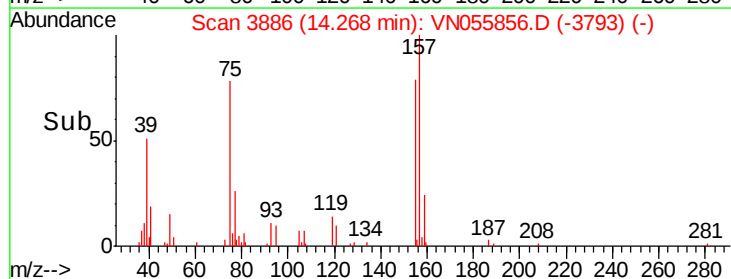
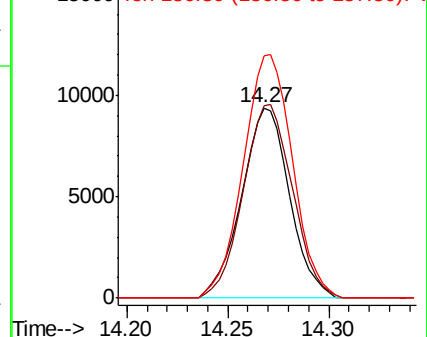
75 100

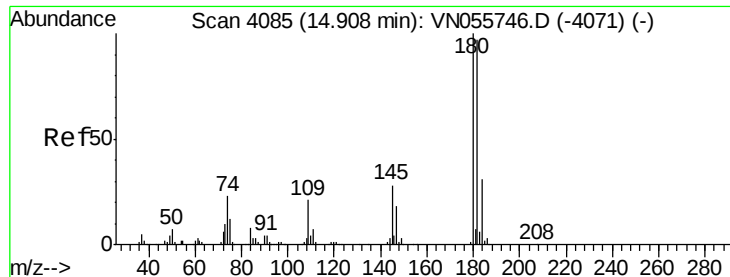
155 104.5 50.0 150.1

157 131.5 64.8 194.3



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

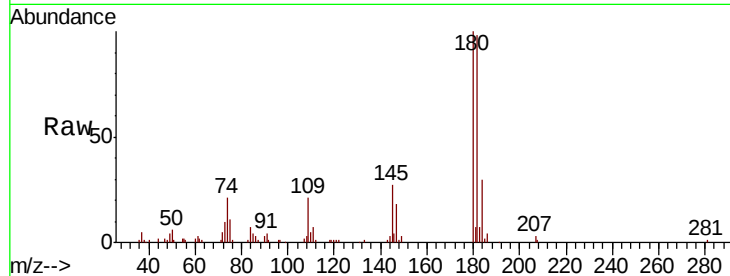




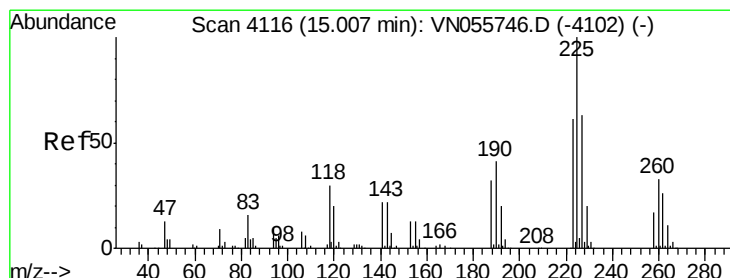
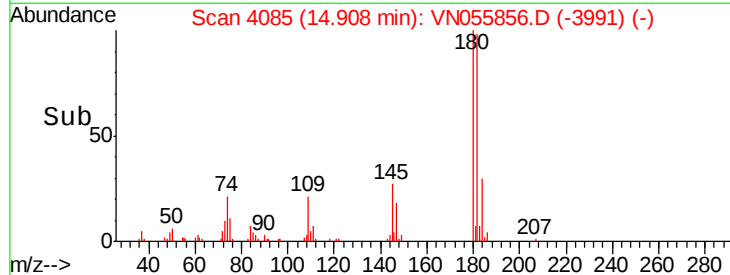
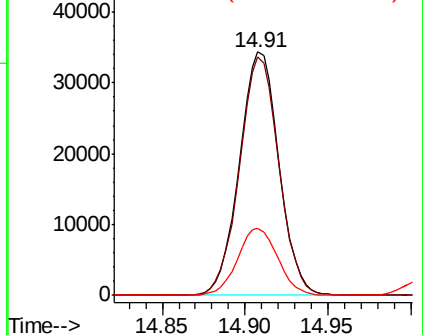
#93
 1,2,4-Trichlorobenzene
 Concen: 18.073 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0528MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	48.3	144.9
145	27.9	14.0	41.9

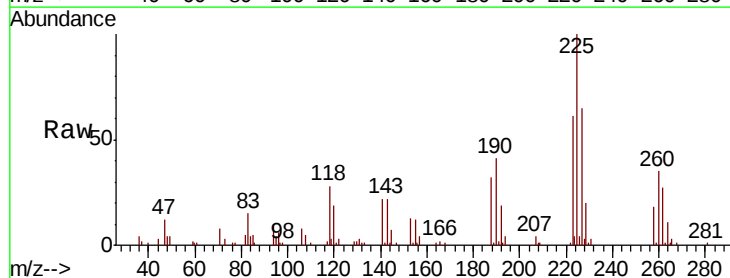


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

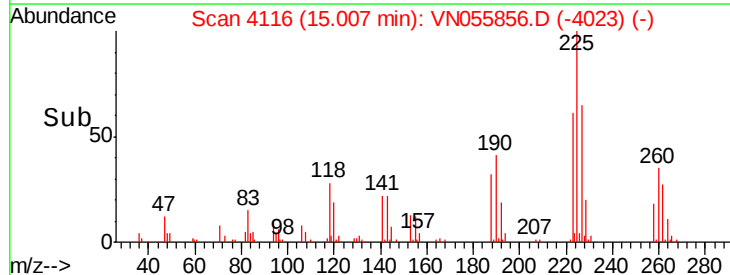
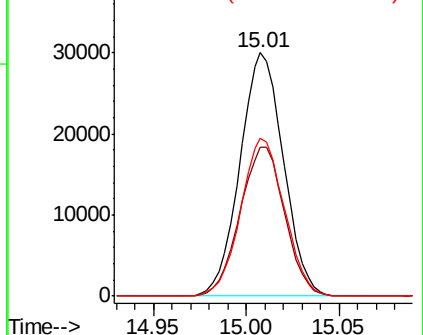


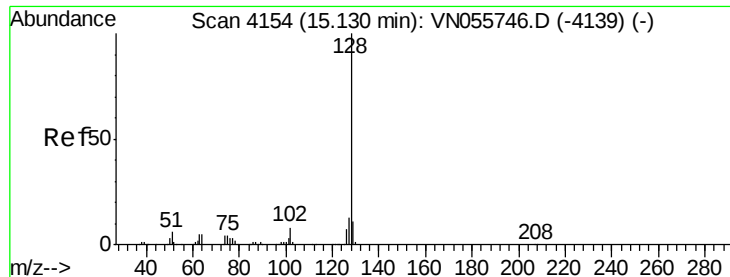
#94
 Hexachlorobutadiene
 Concen: 20.752 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055856.D
 Acq: 28 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	30.9	92.7
227	64.9	31.6	94.7



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: 18.217 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

Instrument :

MSVOA_N

ClientSampleId :

VN0528MBS01

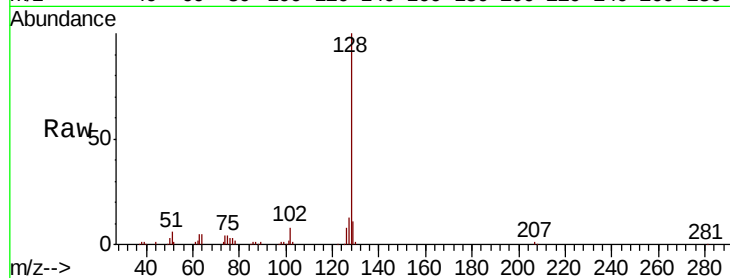
Tot Ion:128 Resp: 158757

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

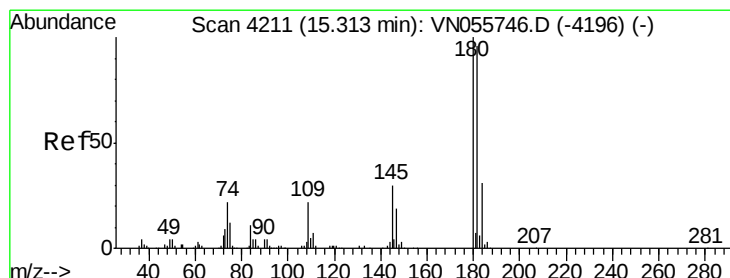
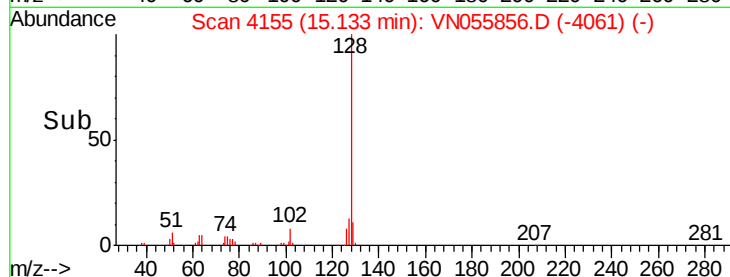
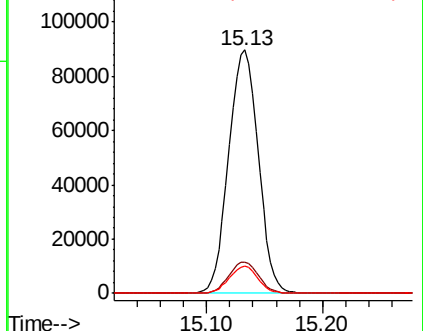
129 10.8 8.7 13.1



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: 19.148 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055856.D

Acq: 28 May 2019 16:37

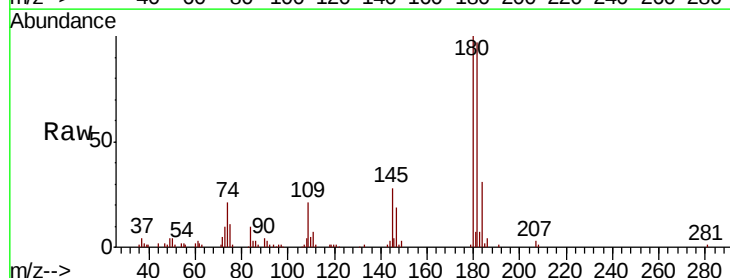
Tgt Ion:180 Resp: 64281

Ion Ratio Lower Upper

180 100

182 96.7 47.9 143.7

145 29.0 14.9 44.7



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

