

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\NOT REVIEWED DATA\
 Data File : VN058989.D
 Acq On : 28 Oct 2019 12:00
 Operator : JC/SP
 Sample : K5568-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 29 19:32:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	375553	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	588458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	531916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	191997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	254066	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	
35) Dibromofluoromethane	7.57	113	193183	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.08	98	747108	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.40	95	232842	42.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.44%	

Target Compounds

					Qvalue	
5) Bromomethane	2.56	94	730	0.202	ug/l	87
11) Tert butyl alcohol	4.74	59	306	0.335	ug/l #	72
13) Acrolein	3.59	56	200	0.318	ug/l #	14
14) Allyl chloride	4.52	41	8198	1.094	ug/l #	24
16) Acetone	3.80	43	29154	10.711	ug/l	98
17) Carbon Disulfide	4.03	76	3479	0.292	ug/l #	90
18) Methyl Acetate	4.29	43	1669	0.270	ug/l #	62
20) Methylene Chloride	4.53	84	192403	41.399	ug/l	97
25) 2-Butanone	6.82	43	4599	1.302	ug/l	96
31) Cyclohexane	7.64	56	8601	1.087	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	32025	5.316	ug/l #	51
37) Ethyl Acetate	6.91	43	10300	1.569	ug/l #	90
38) Carbon Tetrachloride	7.65	117	38016	6.125	ug/l #	17
43) Isopropyl Acetate	8.15	43	104690	9.944	ug/l #	92
45) 1,2-Dichloropropane	9.26	63	1752	0.361	ug/l #	44
48) Methyl methacrylate	9.17	41	6232	1.305	ug/l #	15
49) 1,4-Dioxane	9.25	88	36	0.459	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	9831	1.599	ug/l #	87
54) cis-1,3-Dichloropropene	9.90	75	43039	5.757	ug/l #	65
56) Ethyl methacrylate	10.54	69	2010	2.363	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	6548	0.863	ug/l #	43
59) 2-Hexanone	10.76	43	99503	20.940	ug/l #	55
68) m/p-Xylenes	11.62	106	1819	0.258	ug/l	98
70) Styrene	11.96	104	1735	1.849	ug/l	91
74) N-amyl acetate	12.03	43	5206	0.818	ug/l #	48
76) 1,2,3-Trichloropropane	12.40	75	122469	27.523	ug/l #	100
79) 2-Chlorotoluene	12.67	91	2756	0.271	ug/l	84
80) 1,3,5-Trimethylbenzene	12.74	105	4759	0.404	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	122469	71.699	ug/l #	10
82) 4-Chlorotoluene	12.67	91	2756	0.266	ug/l	85
84) 1,2,4-Trimethylbenzene	13.04	105	6128	0.527	ug/l	98
86) p-Isopropyltoluene	13.29	119	2782	0.235	ug/l	94
87) 1,3-Dichlorobenzene	13.29	146	1501	0.243	ug/l	82
88) 1,4-Dichlorobenzene	13.29	146	1501	0.242	ug/l	84

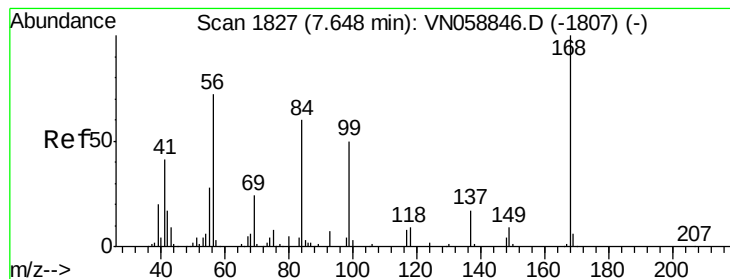
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\NOT REVIEWED DATA\
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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.62	91	2929	0.269	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	1572	0.259	ug/l	85
92) 1,2-Dibromo-3-Chloropropan	14.27	75	533	0.478	ug/l #	30
93) 1,2,4-Trichlorobenzene	14.92	180	2676	3.185	ug/l	97
94) Hexachlorobutadiene	15.01	225	588	0.298	ug/l	79
95) Naphthalene	15.13	128	40271	5.724	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	3472	3.282	ug/l	86

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :

MSVOA_N

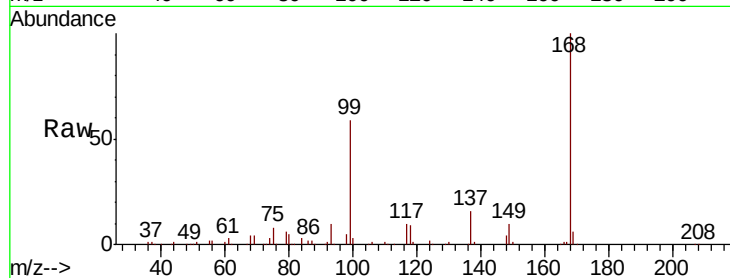
ClientSampleId :

Tot Ion:168 Resp: 375553

Ion Ratio Lower Upper

168 100

99 59.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

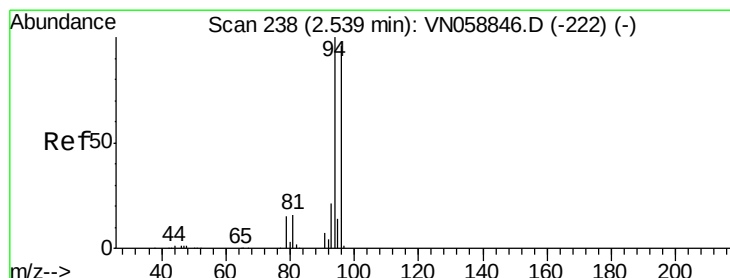
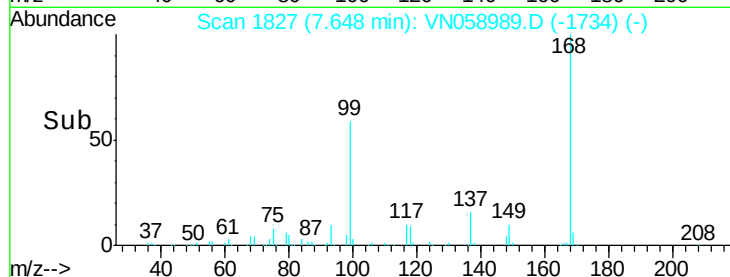
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.202 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.02 min

Lab File: VN058989.D

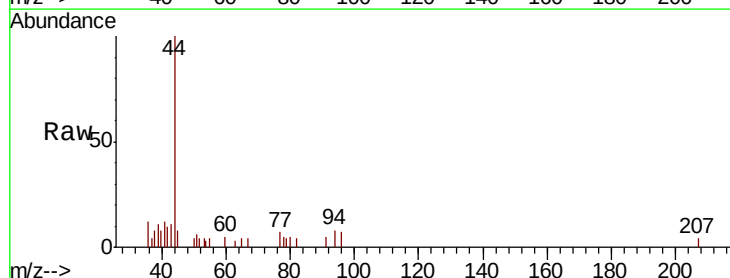
Acq: 28 Oct 2019 12:00

Tgt Ion: 94 Resp: 730

Ion Ratio Lower Upper

94 100

96 83.9 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.56

400

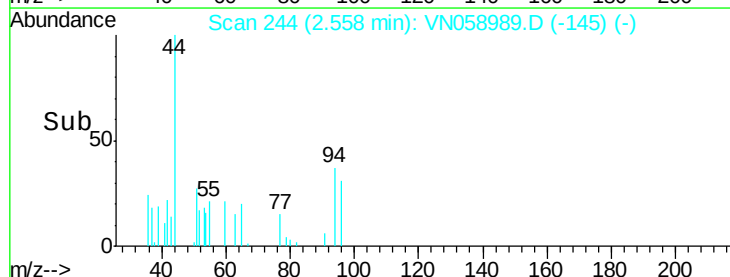
300

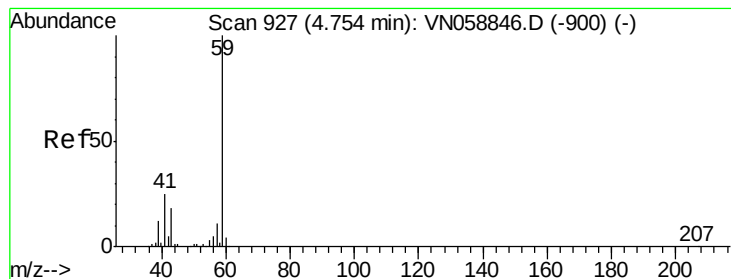
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 0.335 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :

MSVOA_N

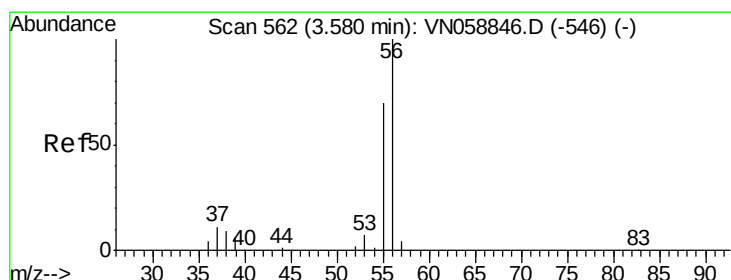
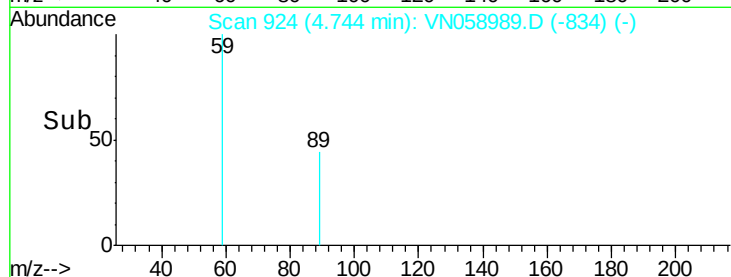
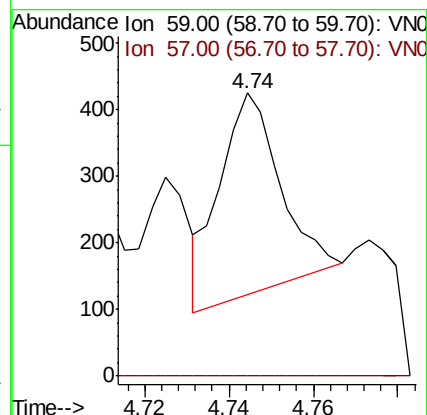
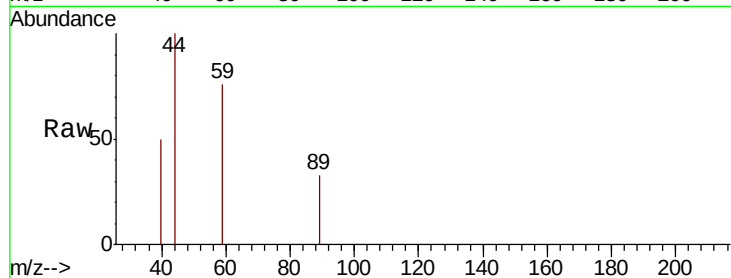
ClientSampled :

Tot Ion: 59 Resp: 306

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#



#13

Acrolein

Concen: 0.318 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058989.D

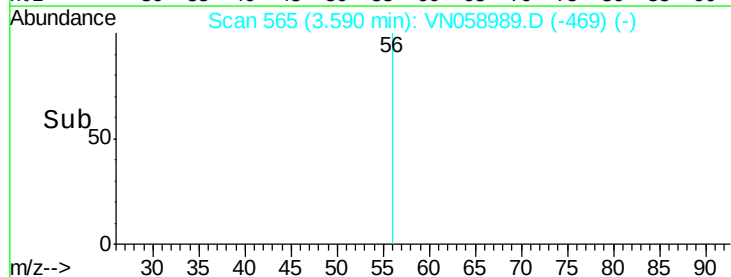
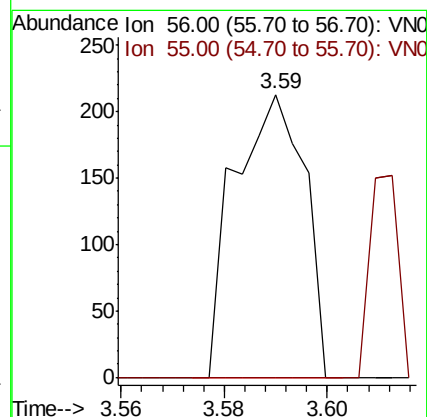
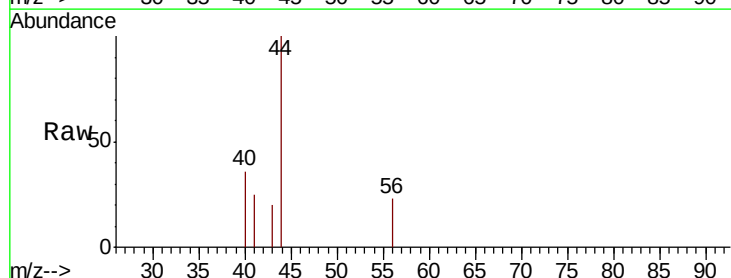
Acq: 28 Oct 2019 12:00

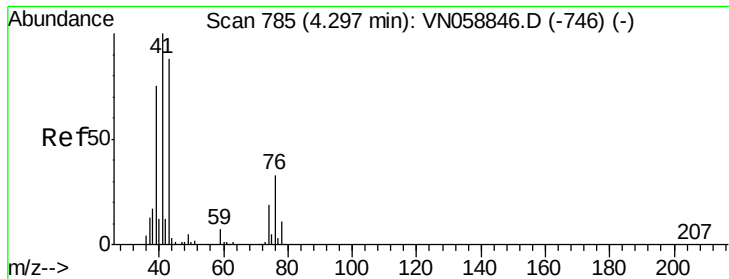
Tgt Ion: 56 Resp: 200

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#





#14

Allvl chloride

Concen: 1.094 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.23 min

Lab File: VN058989.D

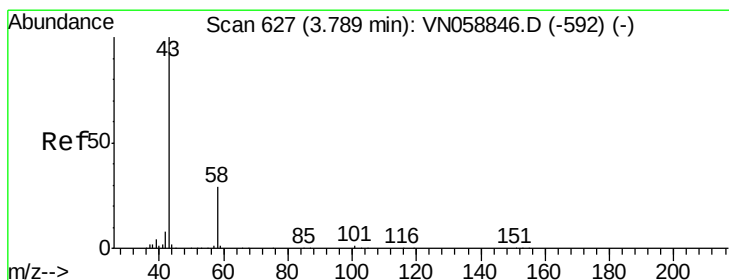
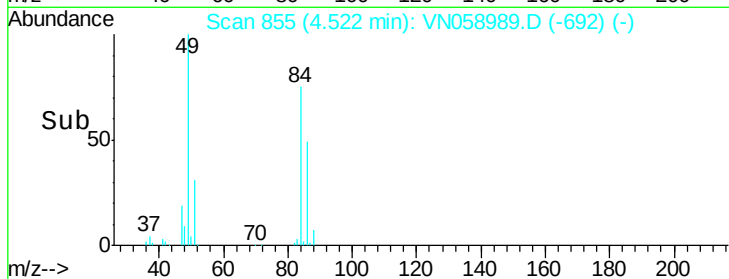
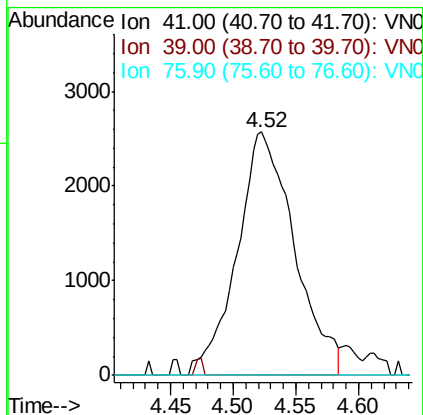
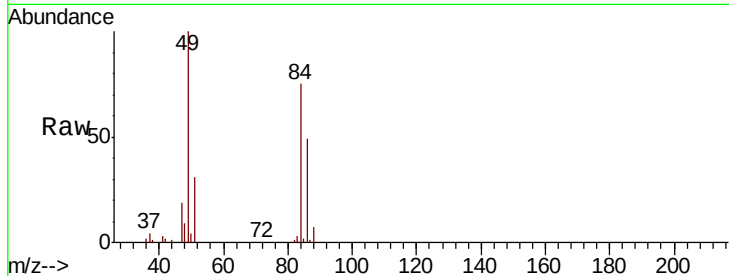
Acq: 28 Oct 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	41	Resp:	8198
Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.9	83.9#
76	0.0	24.1	36.1#



#16

Acetone

Concen: 10.711 ug/l

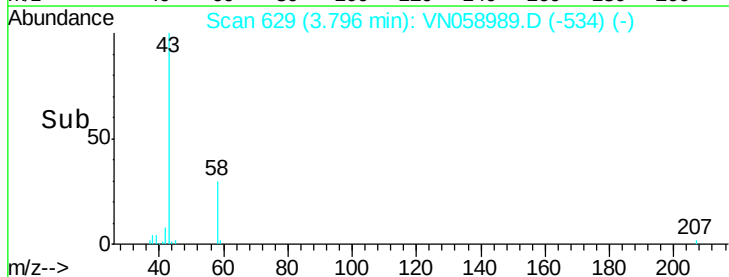
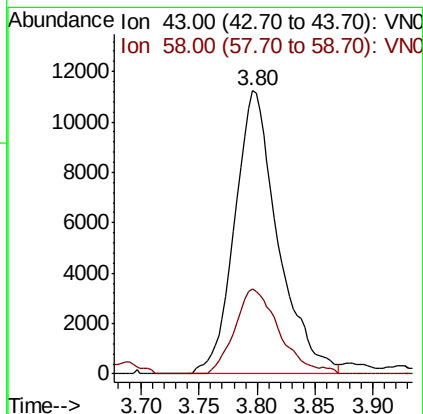
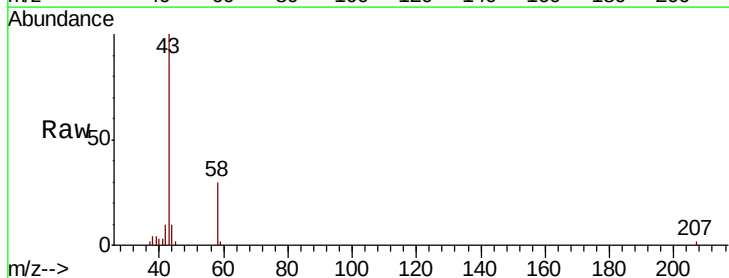
RT: 3.80 min Scan# 629

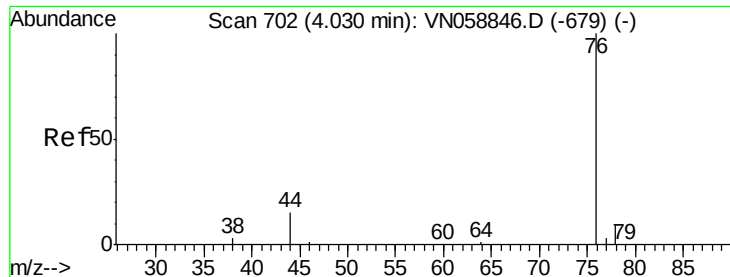
Delta R.T. 0.01 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Tgt Ion:	43	Resp:	29154
Ion	Ratio	Lower	Upper
43	100		
58	30.0	23.1	34.7





#17

Carbon Disulfide

Concen: 0.292 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :

MSVOA_N

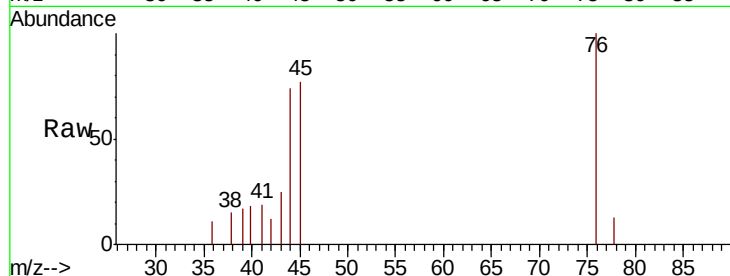
ClientSampled :

Tot Ion: 76 Resp: 3479

Ion Ratio Lower Upper

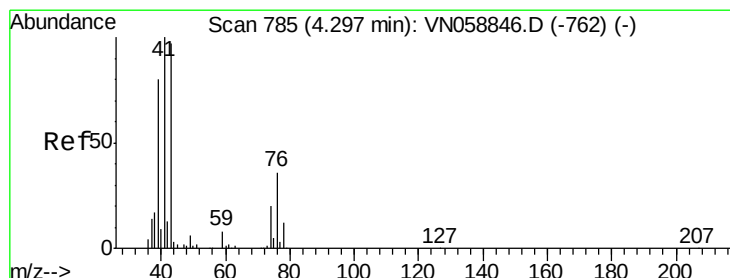
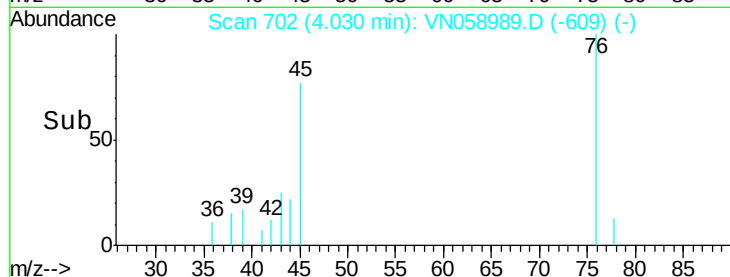
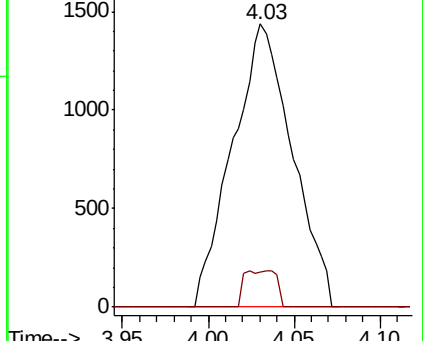
76 100

78 12.6 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.270 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN058989.D

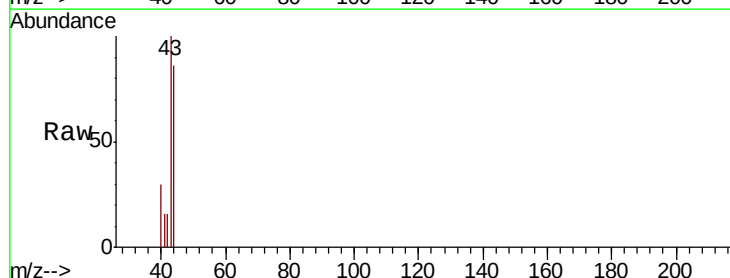
Acq: 28 Oct 2019 12:00

Tgt Ion: 43 Resp: 1669

Ion Ratio Lower Upper

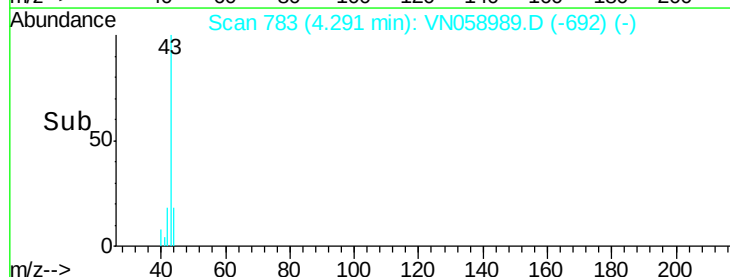
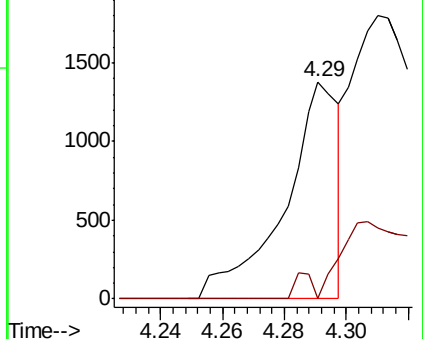
43 100

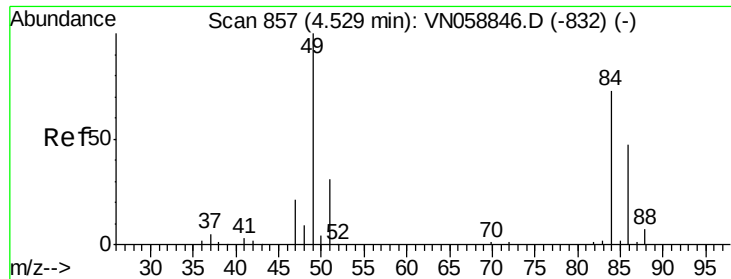
74 3.7 17.1 25.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

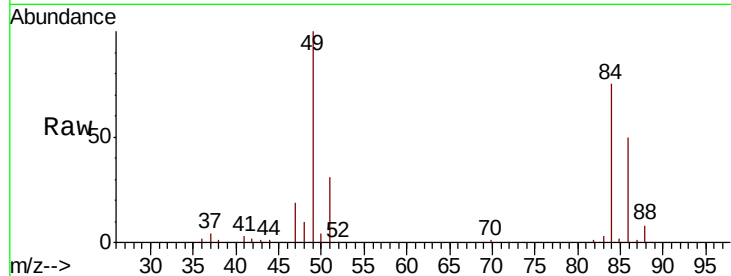




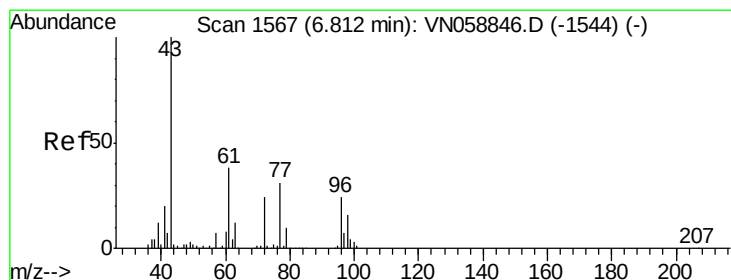
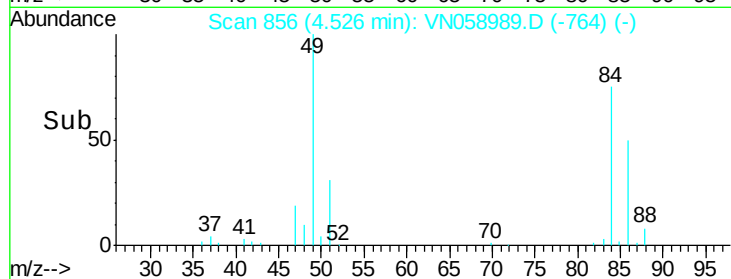
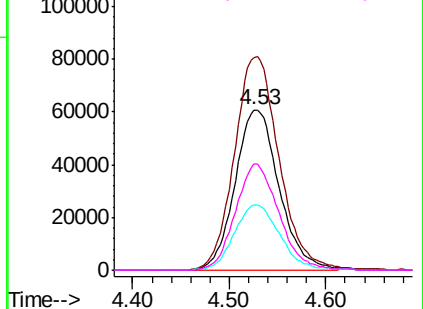
#20
Methylene Chloride
Concen: 41.399 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 192403
Ion Ratio Lower Upper
84 100
49 132.8 109.6 164.4
51 41.0 33.8 50.6
86 66.4 51.5 77.3

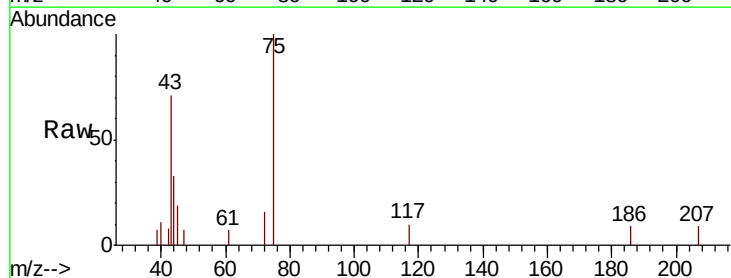


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

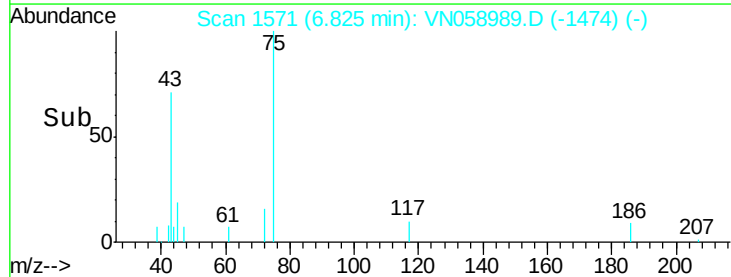
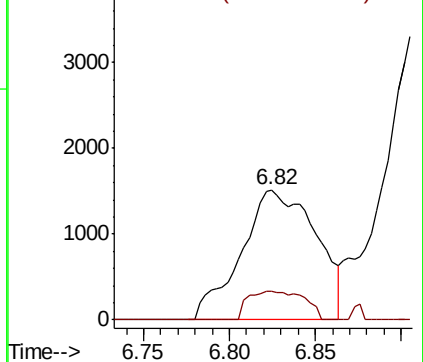


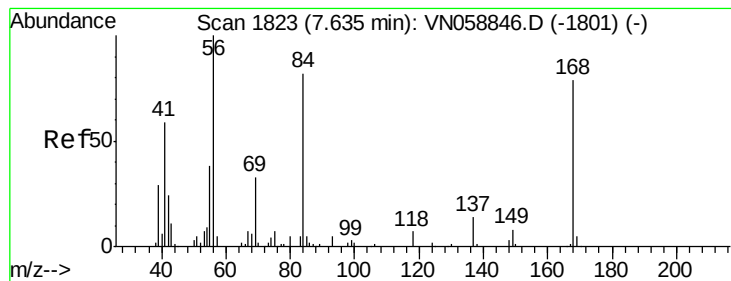
#25
2-Butanone
Concen: 1.302 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

Tgt Ion: 43 Resp: 4599
Ion Ratio Lower Upper
43 100
72 22.0 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#31

Cyclohexane

Concen: 1.087 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :
MSVOA_N
ClientSampled :

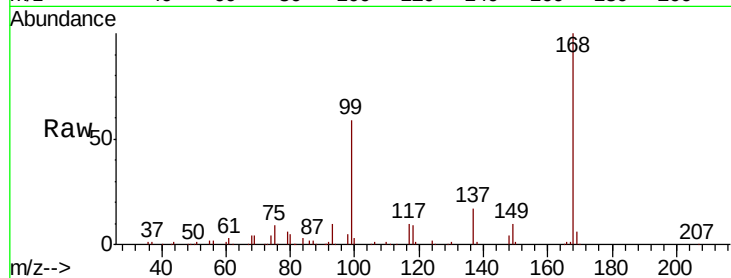
Tot Ion: 56 Resp: 8601

Ion Ratio Lower Upper

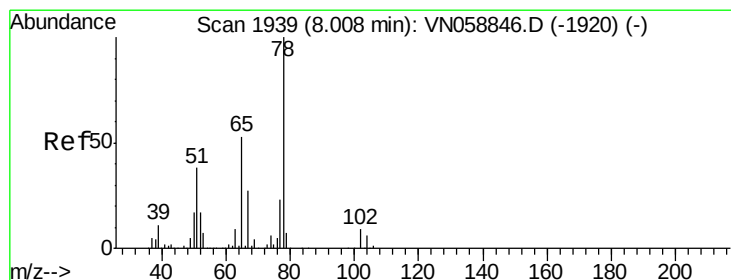
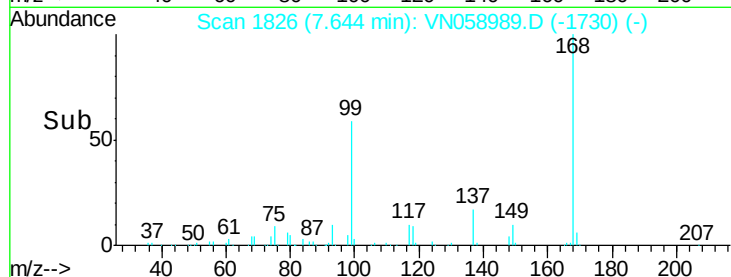
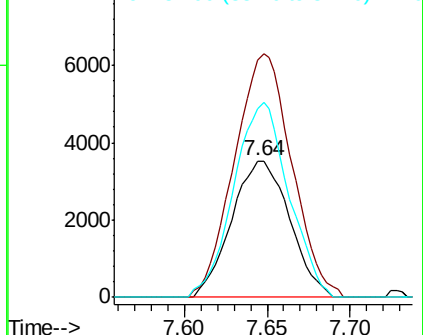
56 100

69 173.4 26.2 39.4#

84 138.1 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 46.126 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058989.D

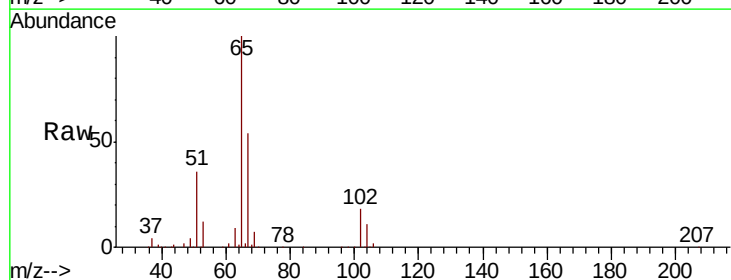
Acq: 28 Oct 2019 12:00

Tgt Ion: 65 Resp: 254066

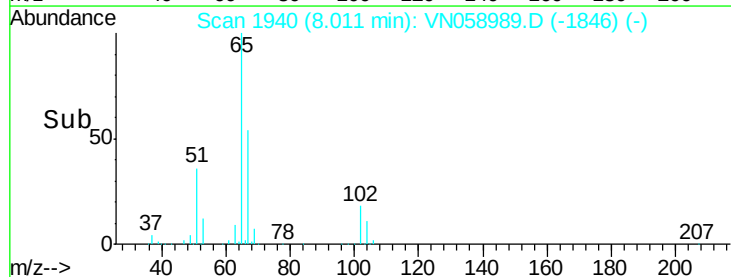
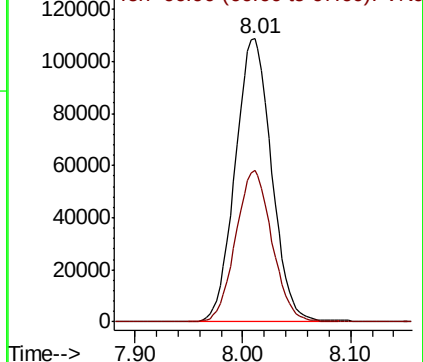
Ion Ratio Lower Upper

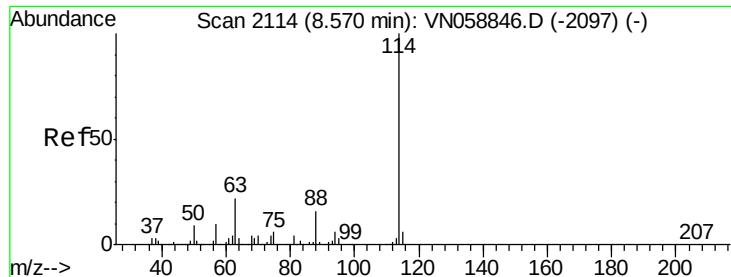
65 100

67 53.4 0.0 103.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

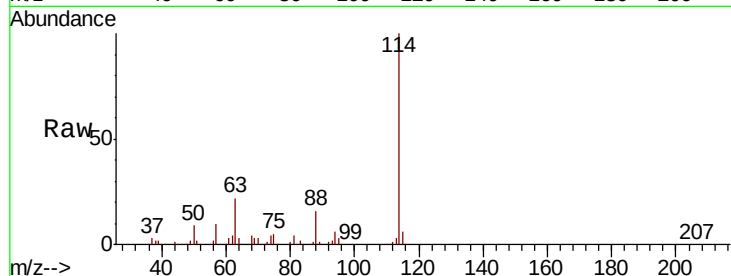




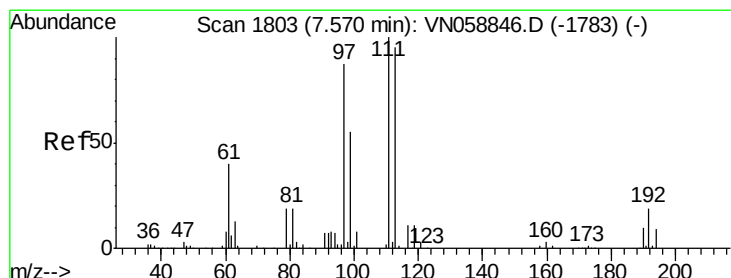
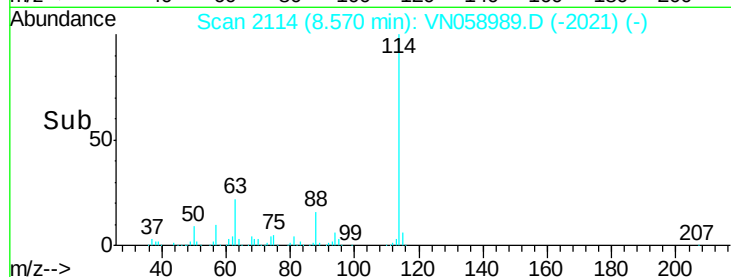
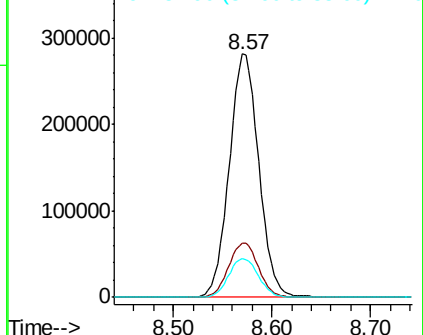
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.4
88	15.9	0.0	31.4

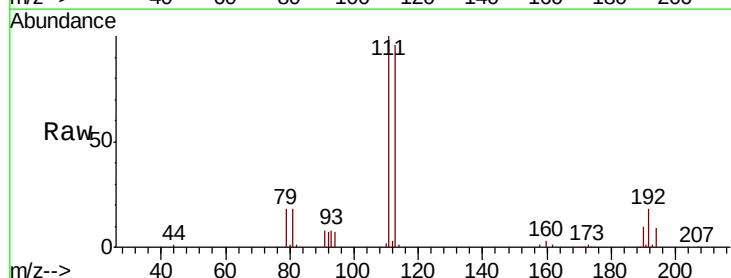


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

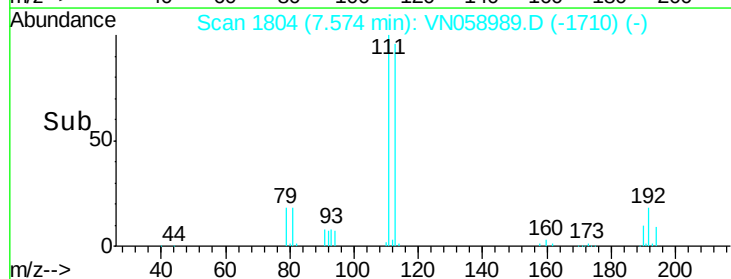
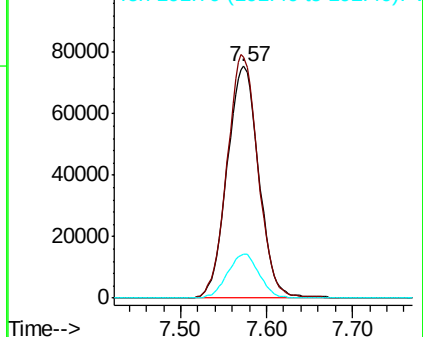


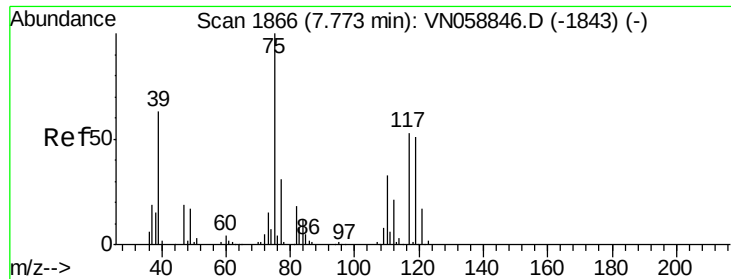
#35
Dibromofluoromethane
Concen: 49.932 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	18.9	15.0	22.6



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

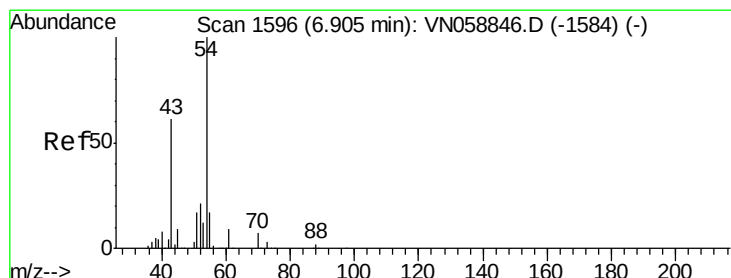
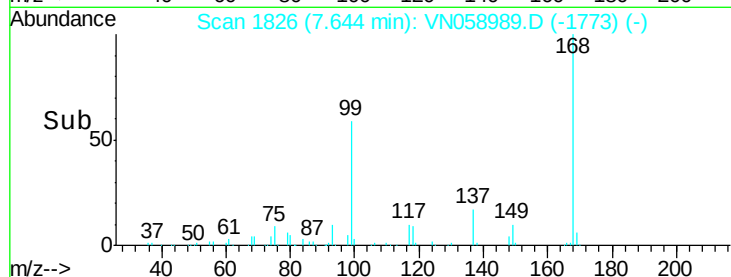
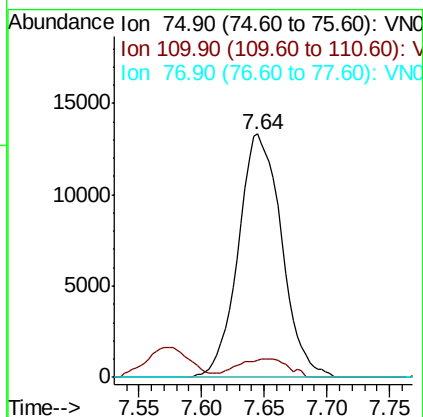
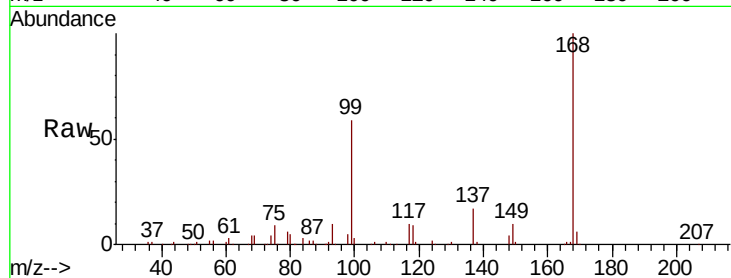




#36
 1,1-Dichloropropene
 Concen: 5.316 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN058989.D
 Acq: 28 Oct 2019 12:00

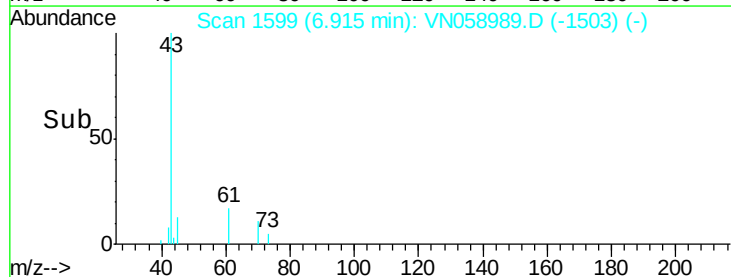
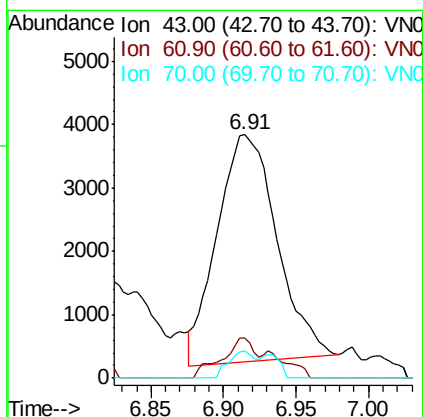
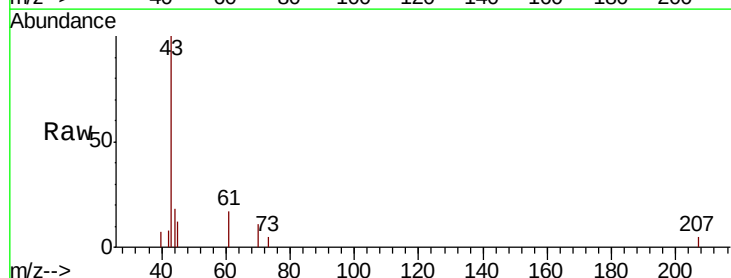
Instrument :
 MSVOA_N
 ClientSampled :

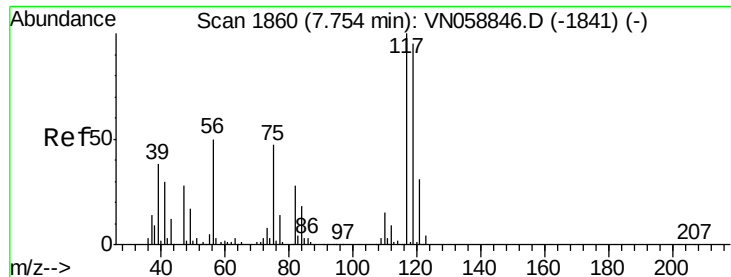
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.3	48.9#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 1.569 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: VN058989.D
 Acq: 28 Oct 2019 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
61	9.7	10.5	15.7#
70	5.4	7.6	11.4#





#38

Carbon Tetrachloride

Concen: 6.125 ug/l

RT: 7.65 min Scan# 1827

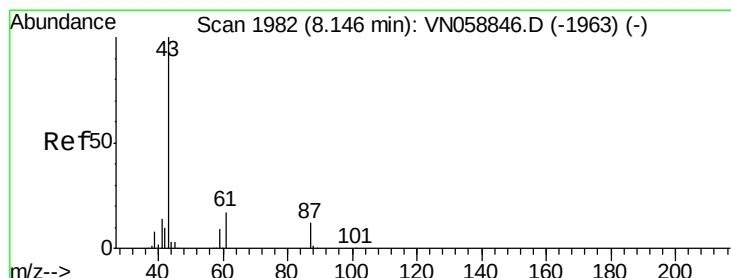
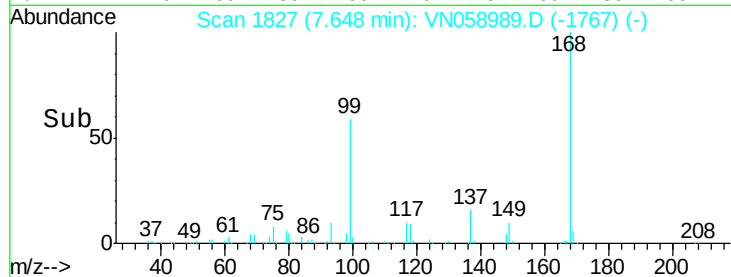
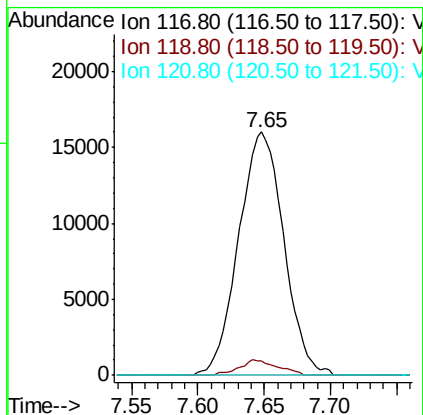
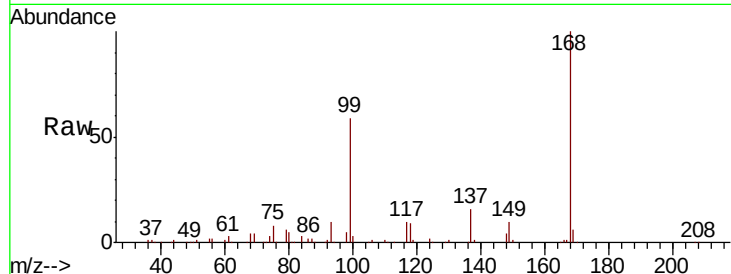
Delta R.T. -0.11 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 38016
Ion Ratio Lower Upper
117 100
119 5.8 75.7 113.5#
121 0.0 25.0 37.6#



#43

Isopropyl Acetate

Concen: 9.944 ug/l

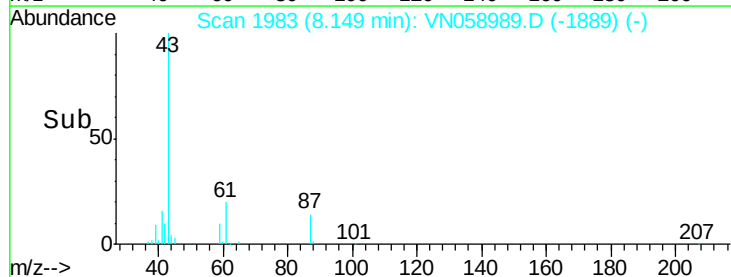
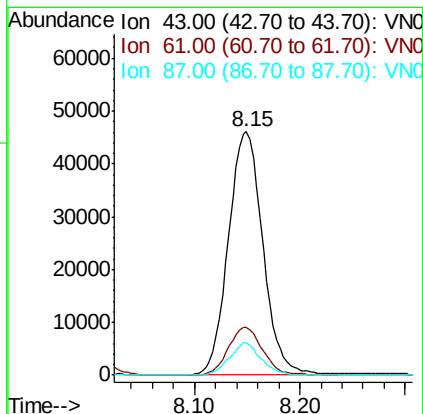
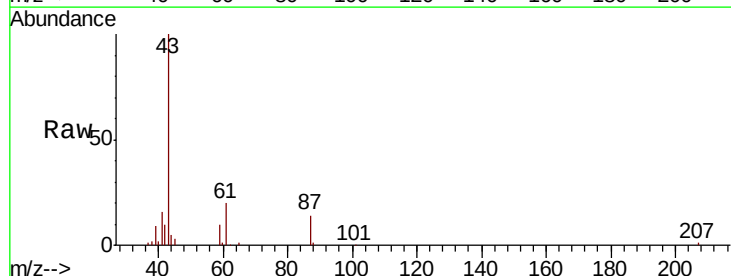
RT: 8.15 min Scan# 1983

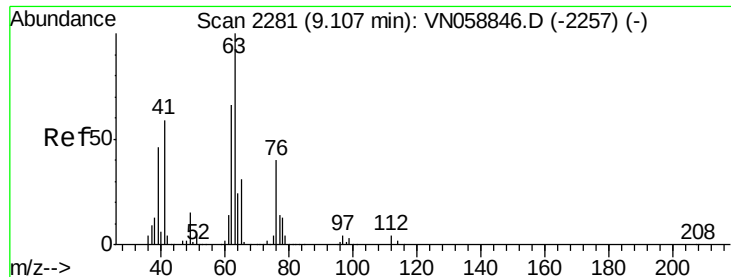
Delta R.T. 0.00 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Tgt Ion: 43 Resp: 104690
Ion Ratio Lower Upper
43 100
61 19.3 20.2 30.2#
87 12.1 9.5 14.3

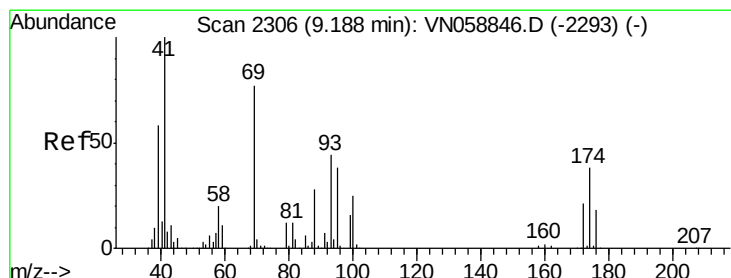
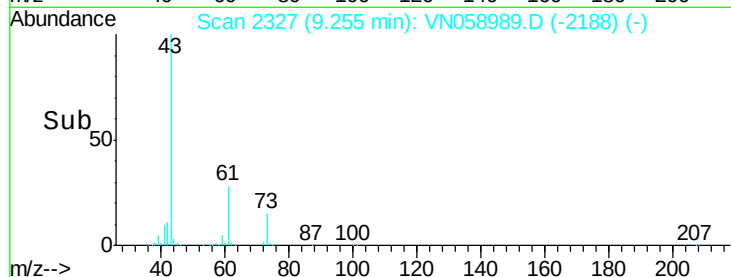
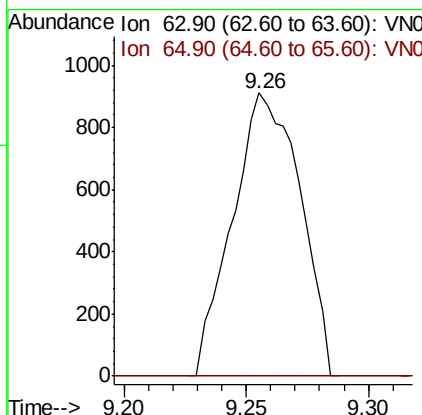
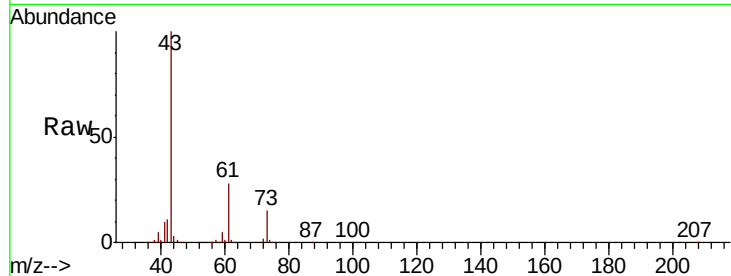




#45
 1,2-Dichloropropane
 Concen: 0.361 ug/l
 RT: 9.26 min Scan# 2327
 Delta R.T. 0.15 min
 Lab File: VN058989.D
 Acq: 28 Oct 2019 12:00

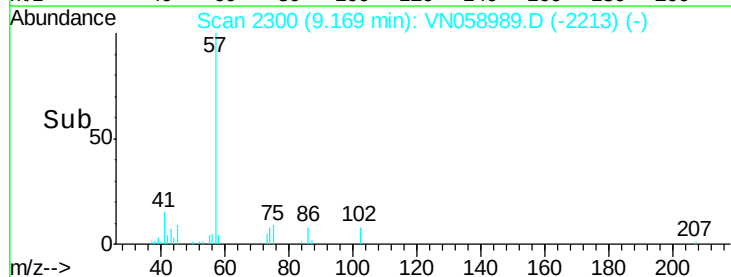
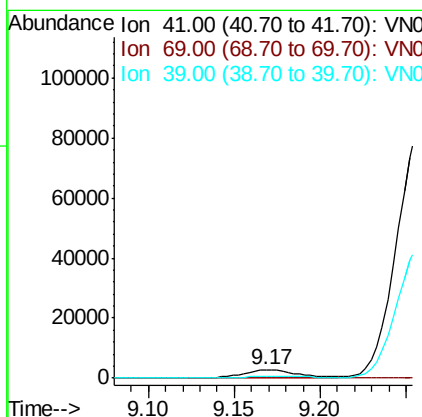
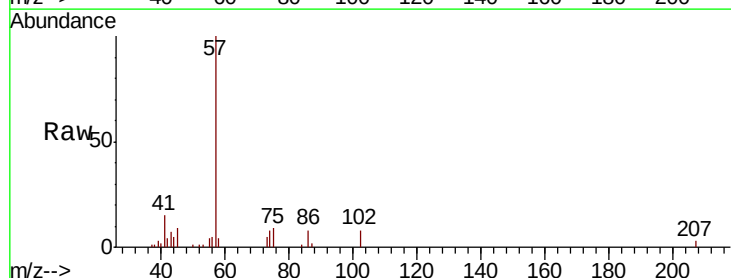
Instrument :
 MSVOA_N
 ClientSampleId :

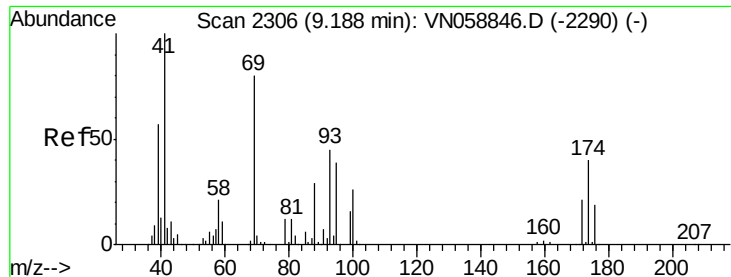
Tot Ion: 63 Resp: 1752
 Ion Ratio Lower Upper
 63 100
 65 0.0 24.5 36.7#



#48
 Methyl methacrylate
 Concen: 1.305 ug/l
 RT: 9.17 min Scan# 2300
 Delta R.T. -0.02 min
 Lab File: VN058989.D
 Acq: 28 Oct 2019 12:00

Tgt Ion: 41 Resp: 6232
 Ion Ratio Lower Upper
 41 100
 69 1.0 63.8 95.6#
 39 0.0 47.8 71.8#





#49

1,4-Dioxane

Concen: 0.459 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.06 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :
MSVOA_N
ClientSampled :

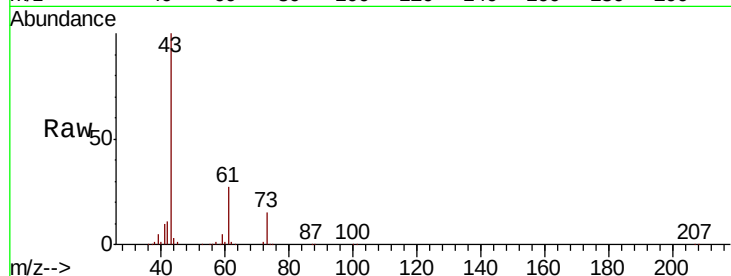
Tot Ion: 88 Resp: 36

Ion Ratio Lower Upper

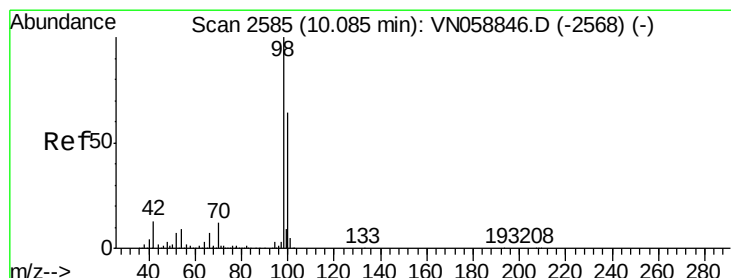
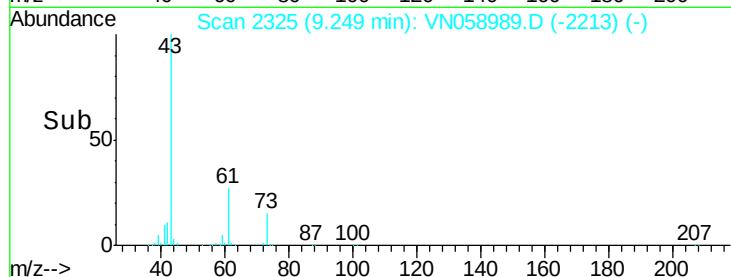
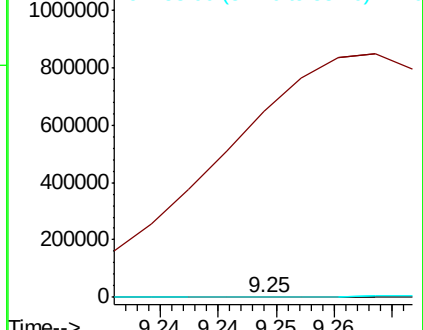
88 100

43 4311511.1 29.1 43.7#

58 20930.6 59.4 89.0#



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



#50

Toluene-d8

Concen: 49.745 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058989.D

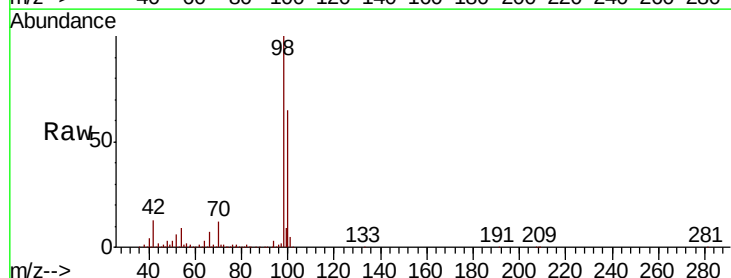
Acq: 28 Oct 2019 12:00

Tgt Ion: 98 Resp: 747108

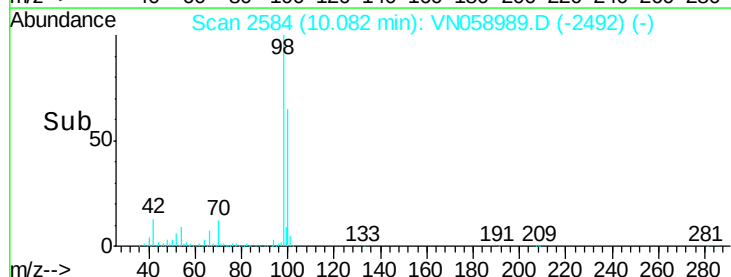
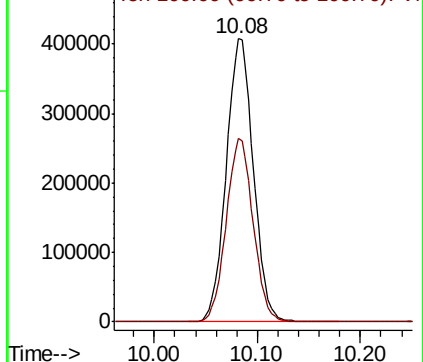
Ion Ratio Lower Upper

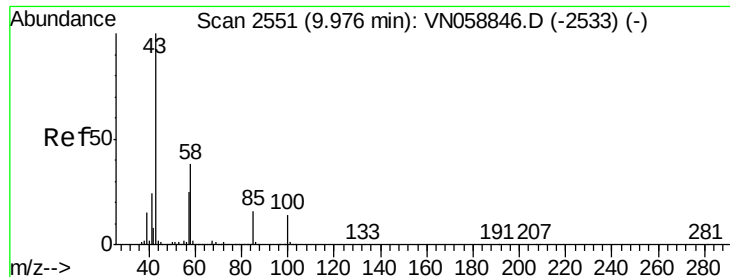
98 100

100 64.4 51.4 77.2



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





#51

4-Methyl-2-Pentanone

Concen: 1.599 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :

MSVOA_N

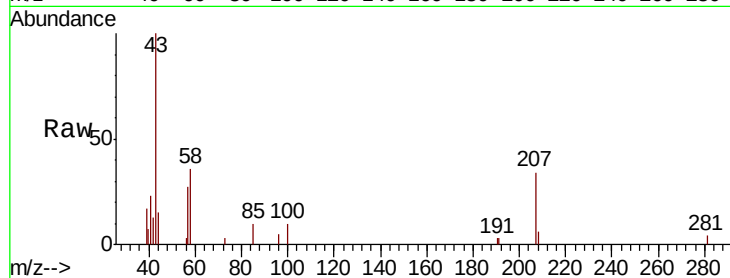
ClientSampled :

Tot Ion: 43 Resp: 9831

Ion Ratio Lower Upper

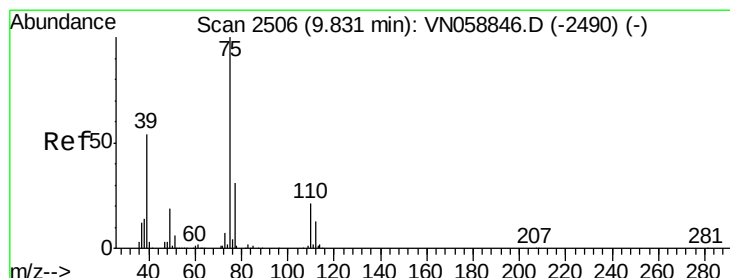
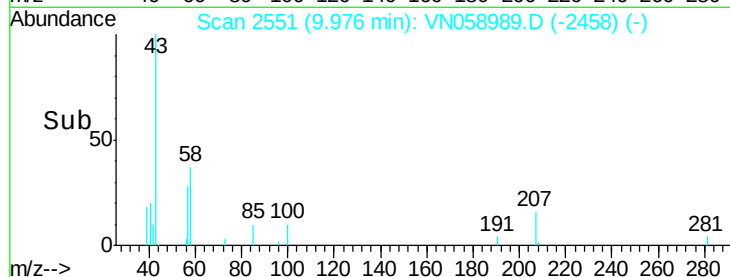
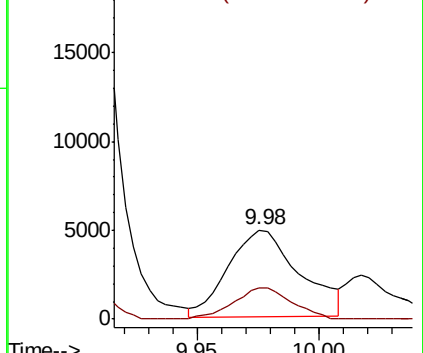
43 100

58 29.6 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.757 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.07 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

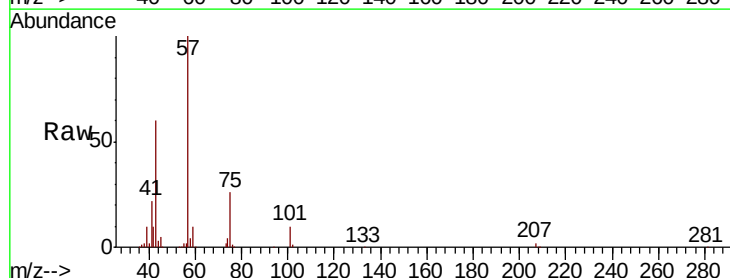
Tgt Ion: 75 Resp: 43039

Ion Ratio Lower Upper

75 100

77 0.9 24.7 37.1#

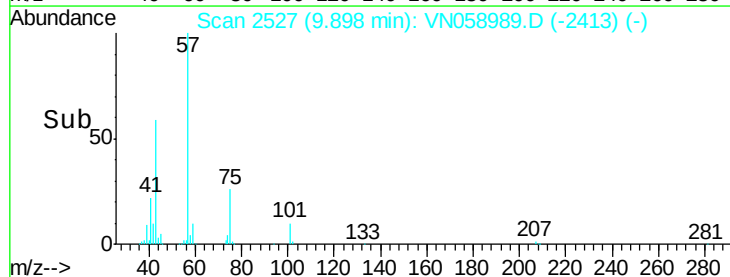
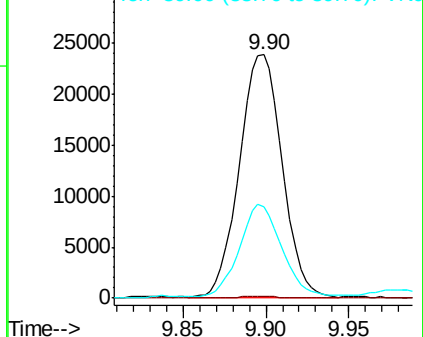
39 36.8 43.5 65.3#

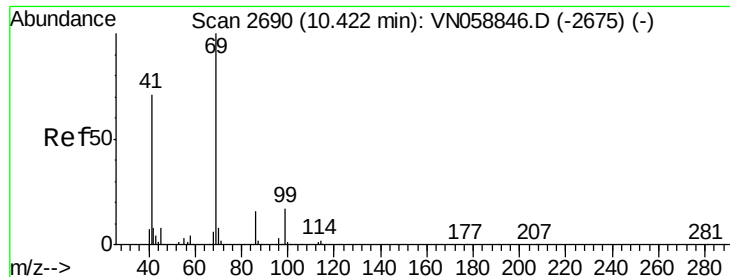


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 2.363 ug/l

RT: 10.54 min Scan# 2727

Delta R.T. 0.12 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

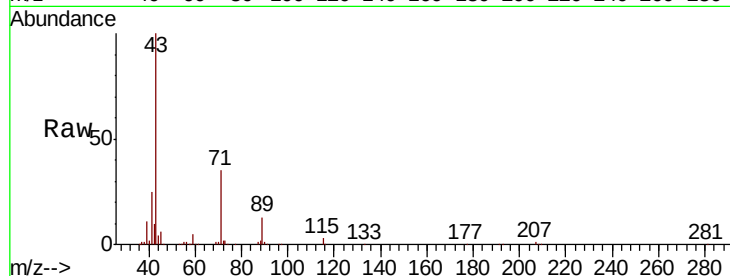
Tot Ion: 69 Resp: 2010

Ion Ratio Lower Upper

69 100

41 4788.1 57.2 85.8#

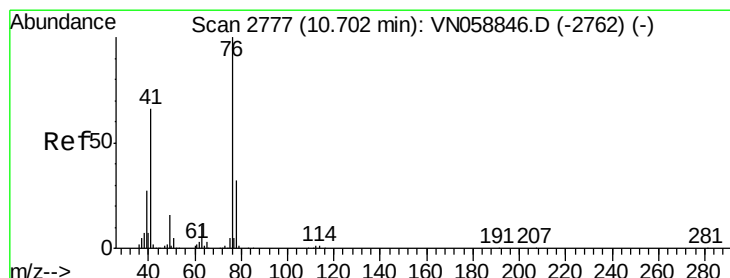
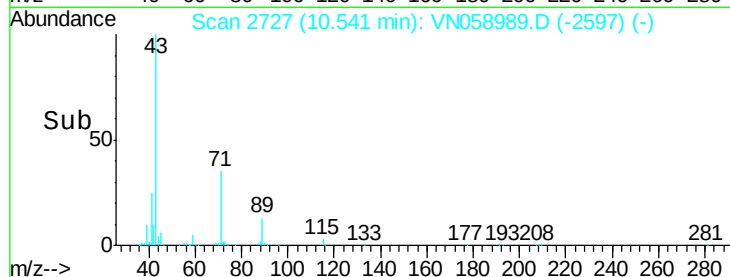
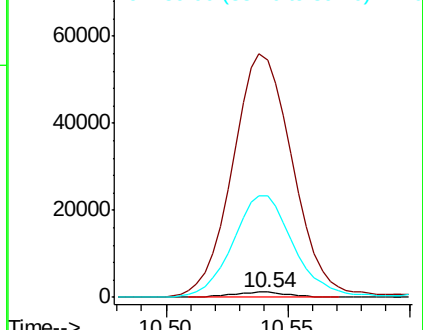
39 2021.5 31.0 46.4#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.863 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.06 min

Lab File: VN058989.D

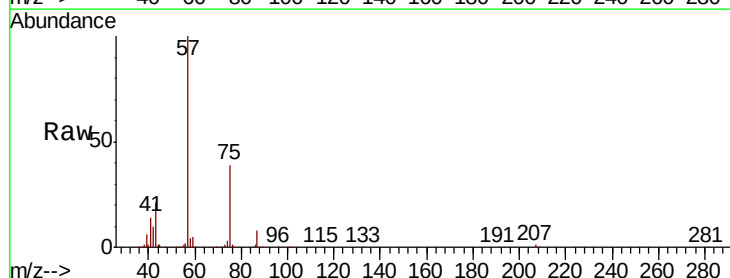
Acq: 28 Oct 2019 12:00

Tgt Ion: 76 Resp: 6548

Ion Ratio Lower Upper

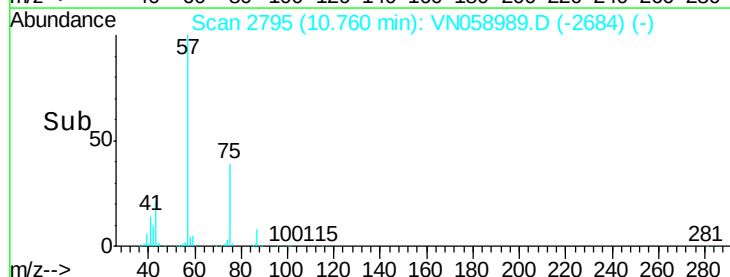
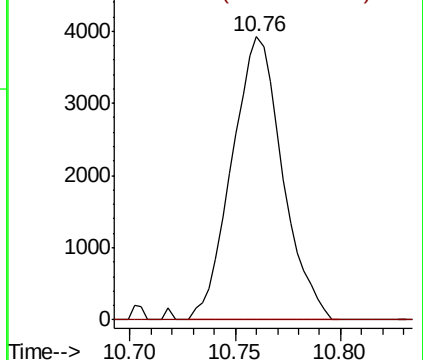
76 100

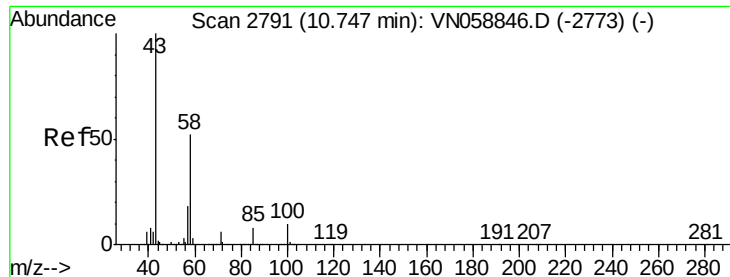
78 0.0 25.4 38.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

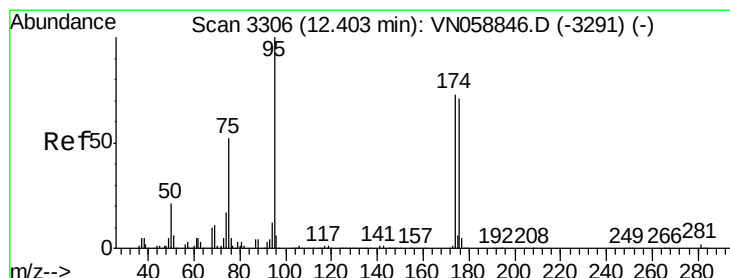
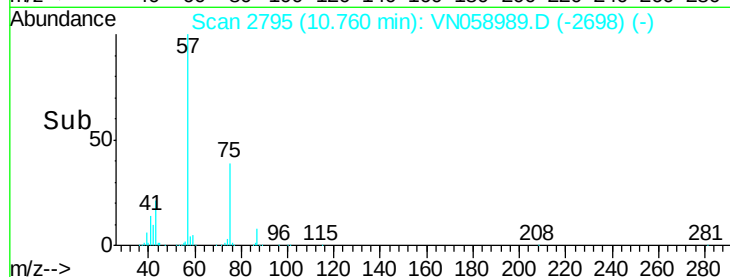
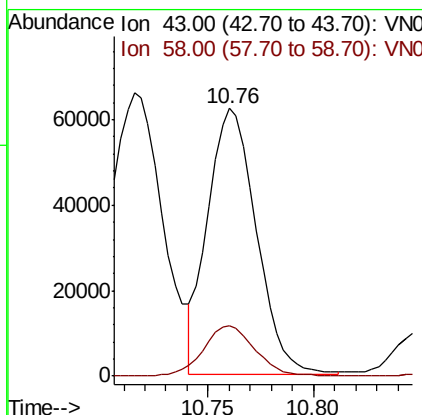
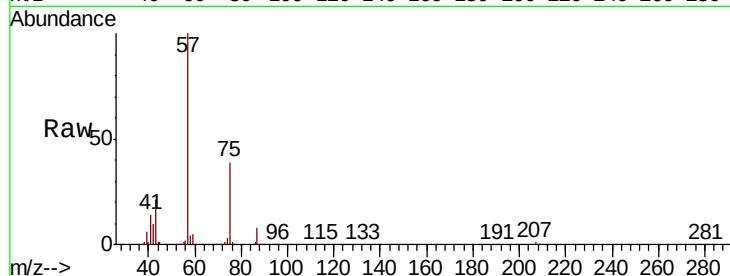




#59
2-Hexanone
Concen: 20.940 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

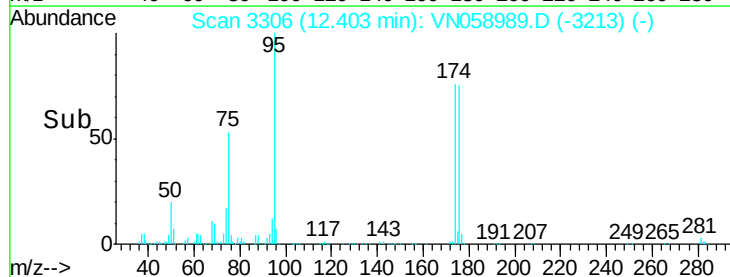
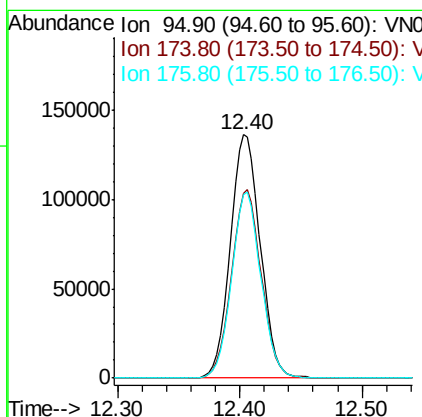
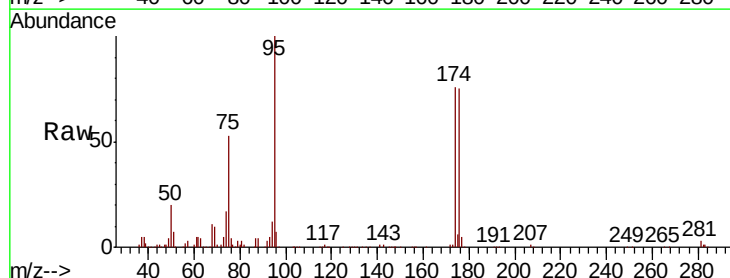
Instrument :
MSVOA_N
ClientSampled :

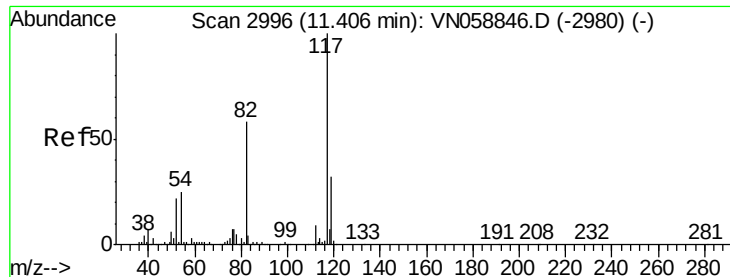
Tot Ion: 43 Resp: 99503
Ion Ratio Lower Upper
43 100
58 20.3 25.9 77.7#



#62
4-Bromofluorobenzene
Concen: 42.218 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

Tgt Ion: 95 Resp: 232842
Ion Ratio Lower Upper
95 100
174 77.0 0.0 147.6
176 74.8 0.0 143.2

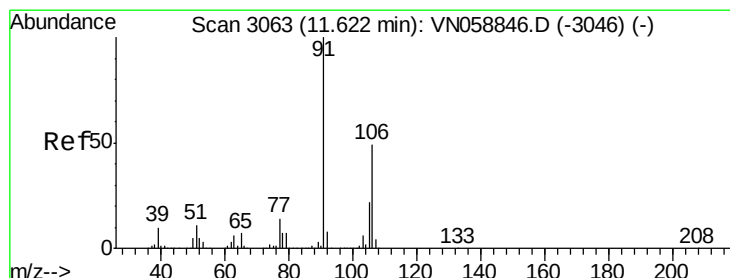
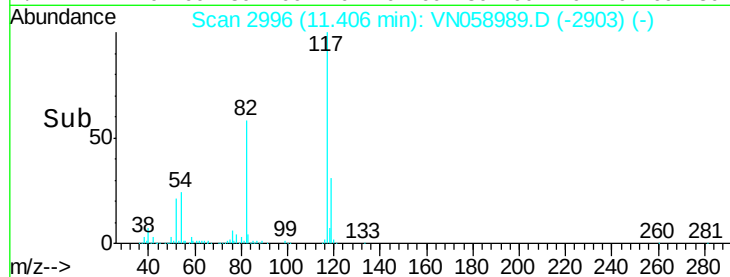
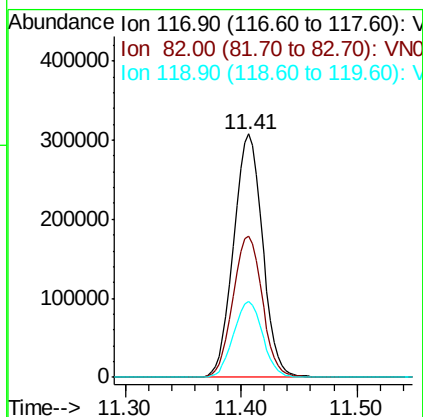
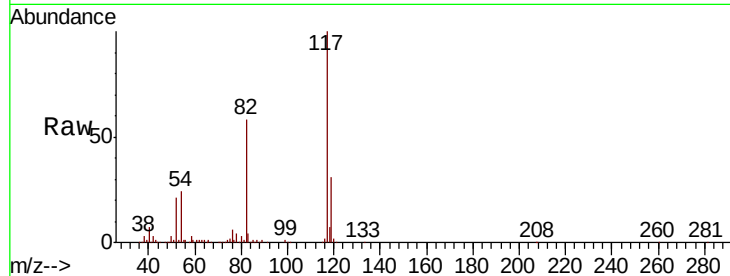




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

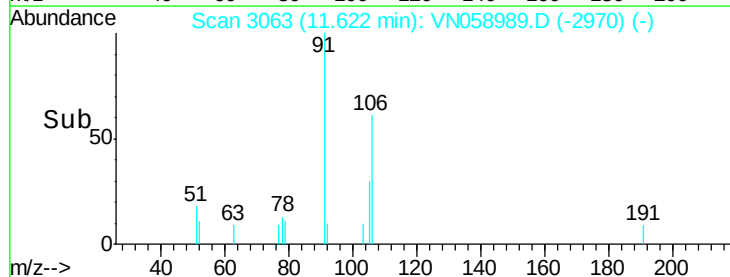
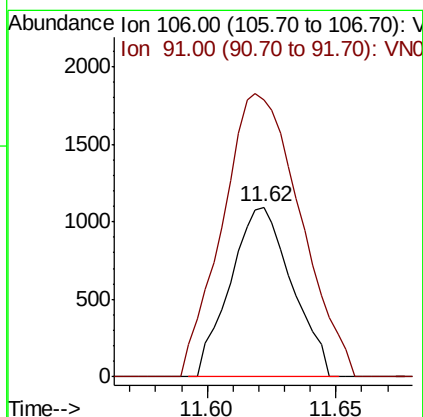
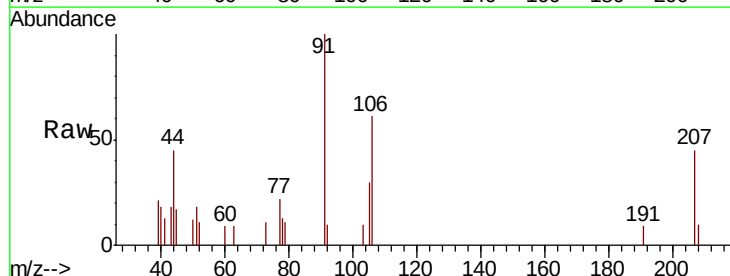
Instrument :
MSVOA_N
ClientSampled :

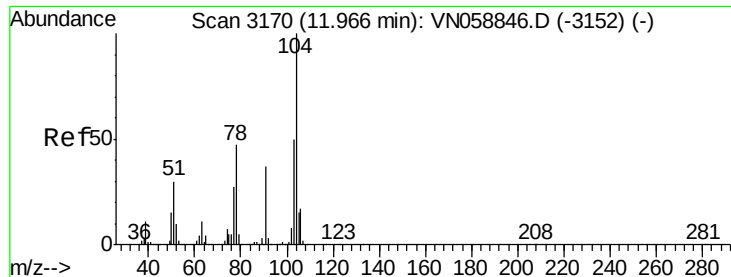
Tot Ion:117 Resp: 531916
Ion Ratio Lower Upper
117 100
82 58.1 46.6 69.8
119 31.1 25.6 38.4



#68
m/p-Xylenes
Concen: 0.258 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

Tgt Ion:106 Resp: 1819
Ion Ratio Lower Upper
106 100
91 210.9 166.6 249.8

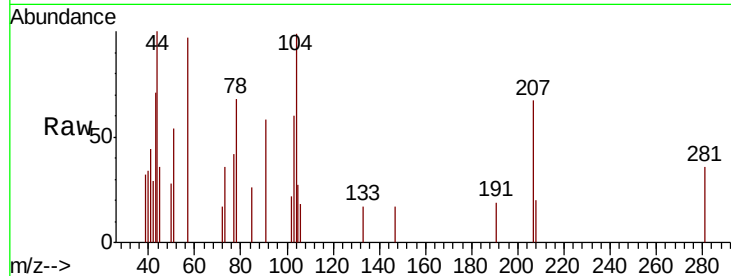




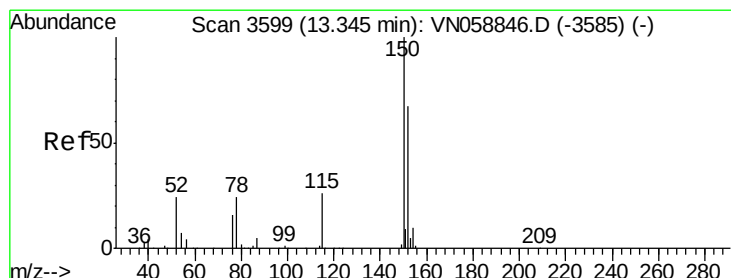
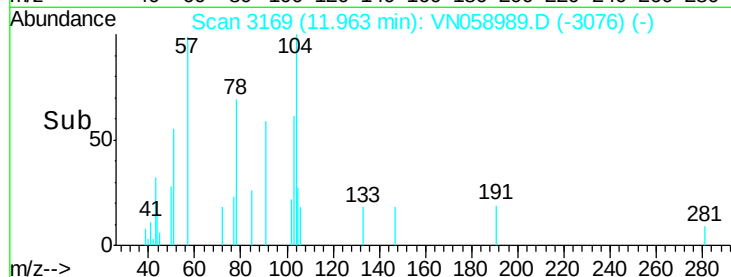
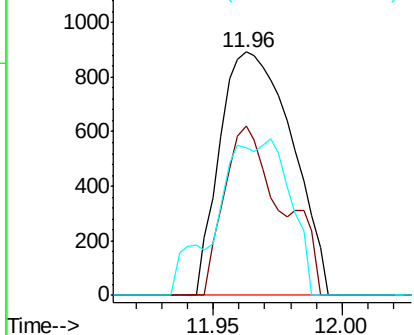
#70
Stvrene
Concen: 1.849 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:104 Resp: 1735
Ion Ratio Lower Upper
104 100
78 55.9 42.8 64.2
103 65.5 44.3 66.5

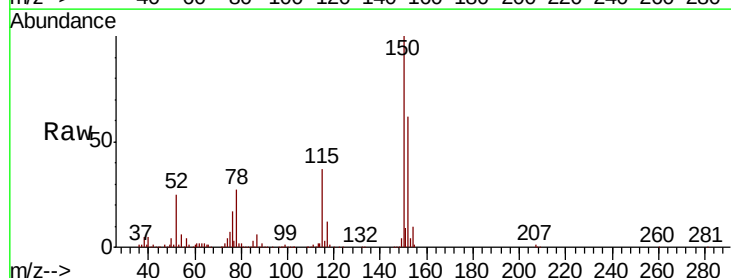


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

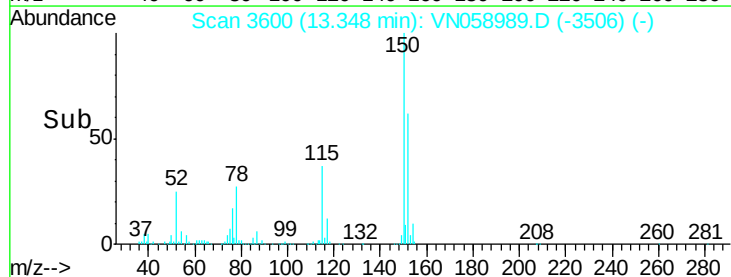
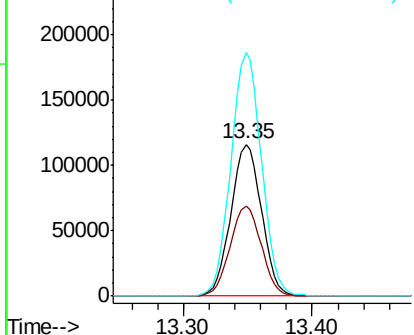


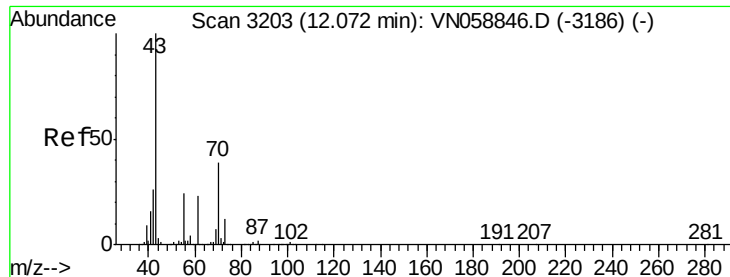
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

Tgt Ion:152 Resp: 191997
Ion Ratio Lower Upper
152 100
115 60.0 30.5 91.5
150 160.0 0.0 344.4



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





#74

N-amvl acetate

Concen: 0.818 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 5206

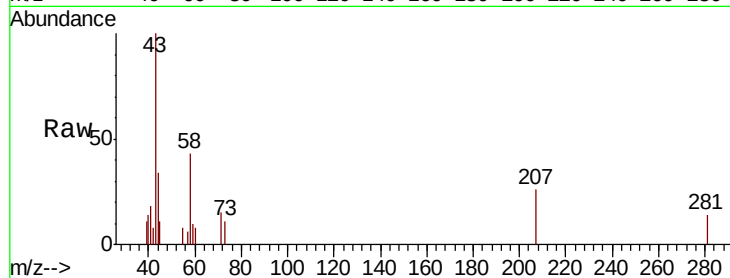
Ion Ratio Lower Upper

43 100

70 0.0 30.9 46.3#

55 4.9 19.7 29.5#

61 0.0 18.2 27.4#

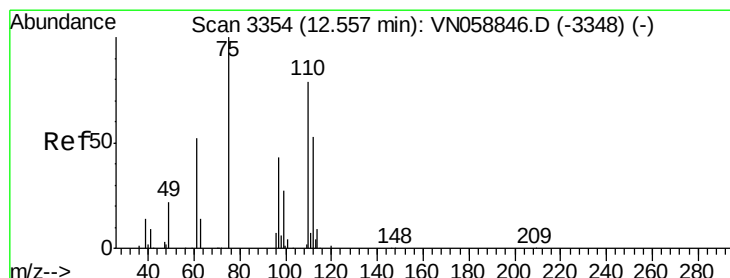
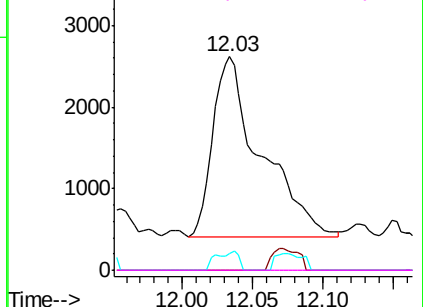
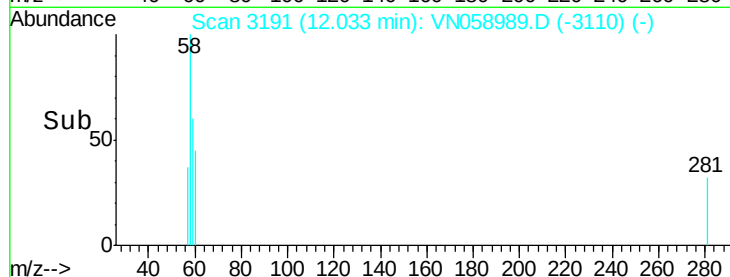


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#76

1,2,3-Trichloropropane

Concen: 27.523 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058989.D

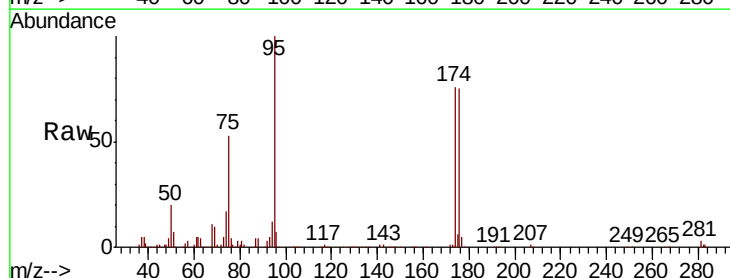
Acq: 28 Oct 2019 12:00

Tgt Ion: 75 Resp: 122469

Ion Ratio Lower Upper

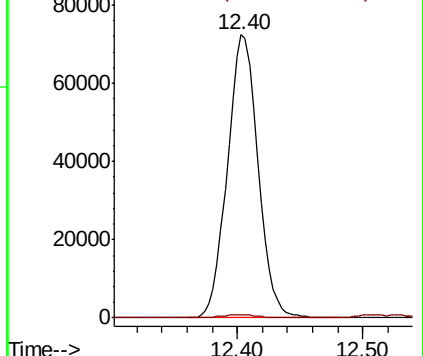
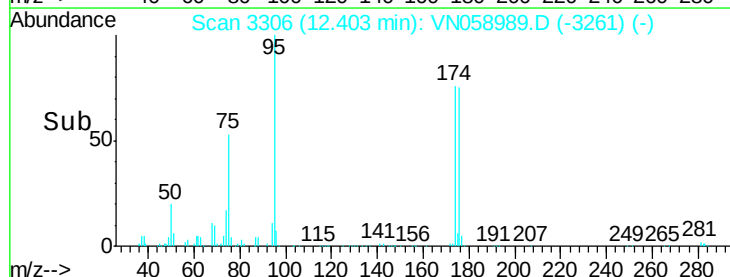
75 100

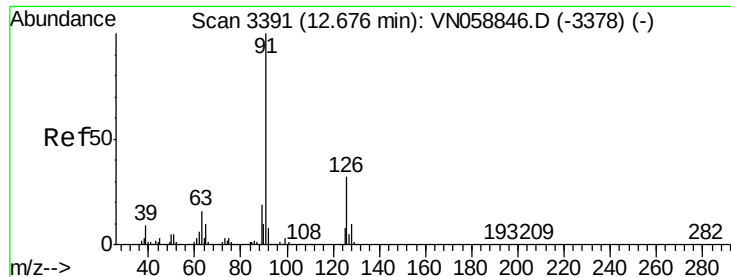
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

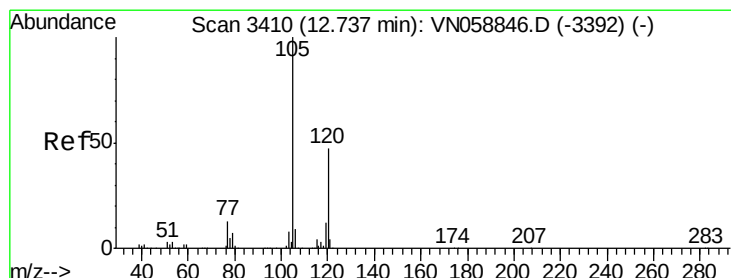
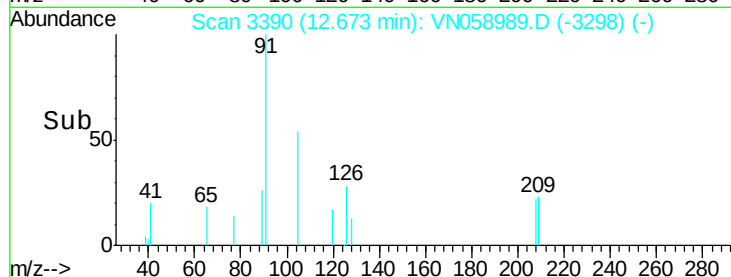
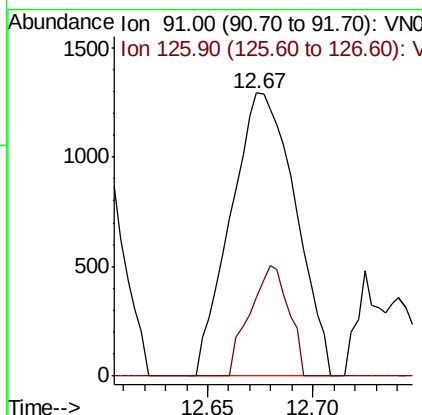
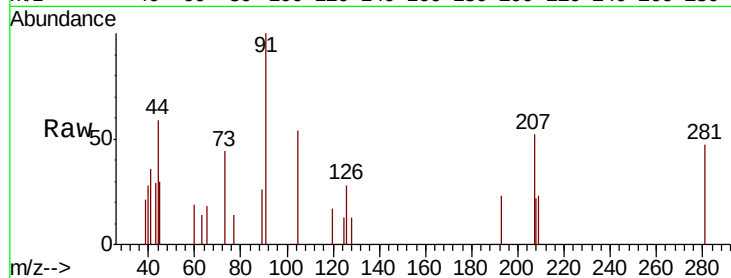




#79
 2-Chlorotoluene
 Concen: 0.271 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN058989.D
 Acq: 28 Oct 2019 12:00

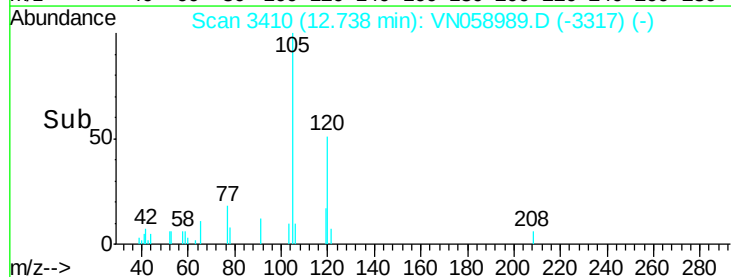
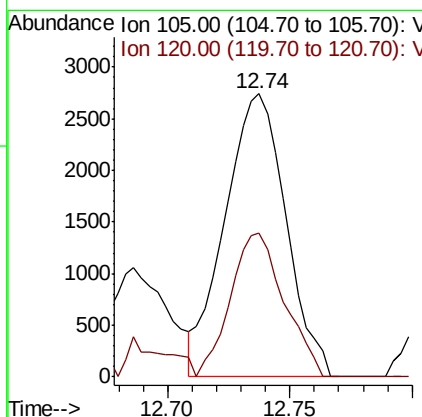
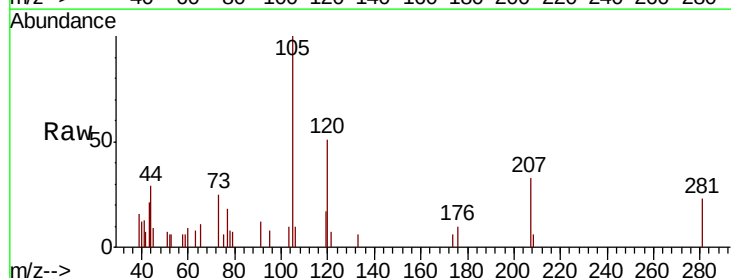
Instrument :
 MSVOA_N
 ClientSampled :

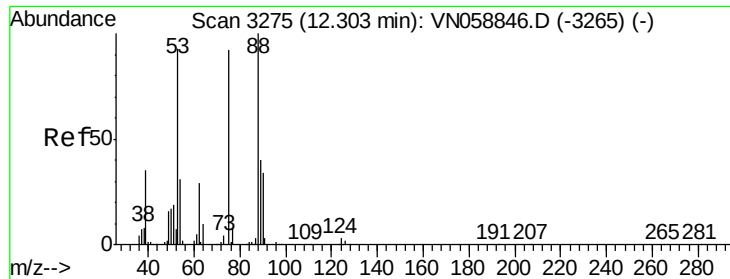
Tot Ion: 91 Resp: 2756
 Ion Ratio Lower Upper
 91 100
 126 23.4 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 0.404 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058989.D
 Acq: 28 Oct 2019 12:00

Tgt Ion: 105 Resp: 4759
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 71.699 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :

MSVOA_N

ClientSampleId :

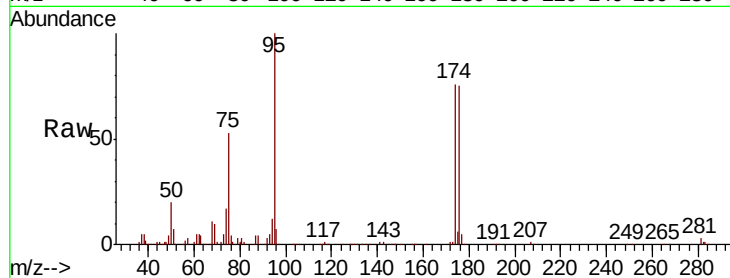
Tot Ion: 75 Resp: 122469

Ion Ratio Lower Upper

75 100

53 0.1 78.6 118.0#

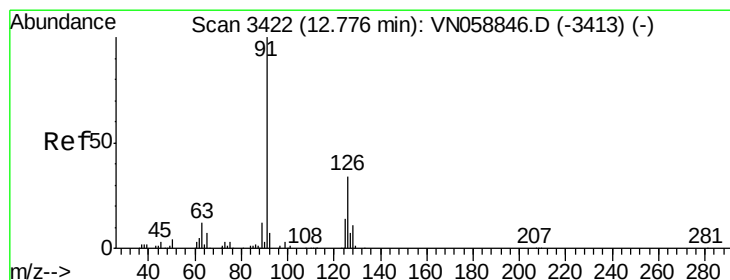
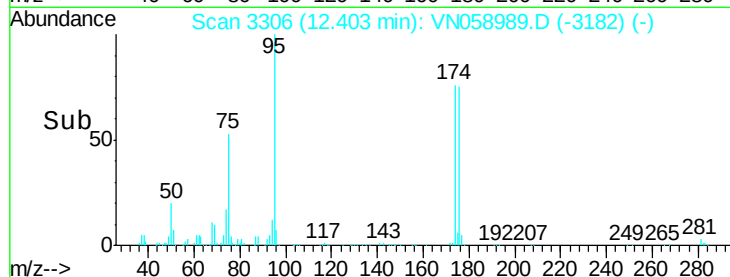
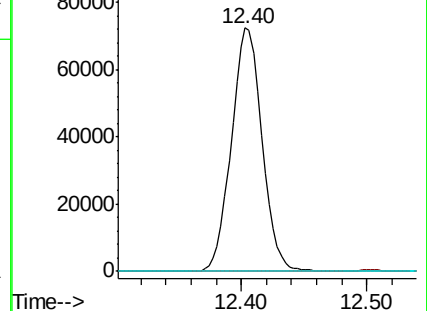
89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN058846.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN058846.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 0.266 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.10 min

Lab File: VN058989.D

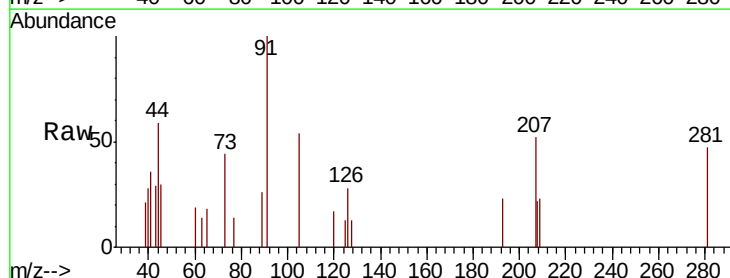
Acq: 28 Oct 2019 12:00

Tgt Ion: 91 Resp: 2756

Ion Ratio Lower Upper

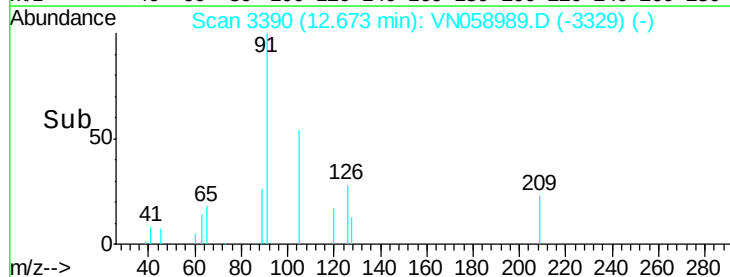
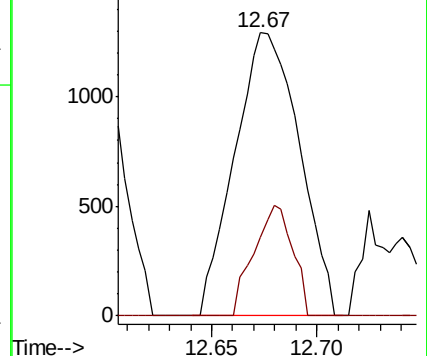
91 100

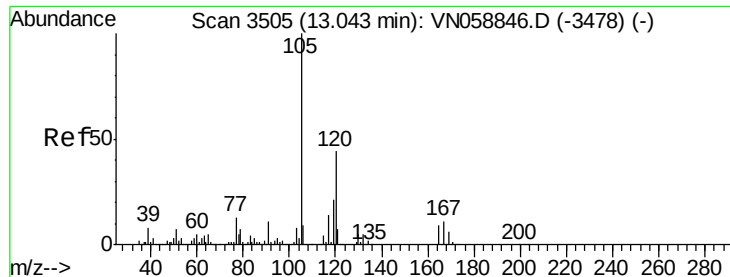
126 23.4 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3413) (-)





#84

1,2,4-Trimethylbenzene

Concen: 0.527 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :

MSVOA_N

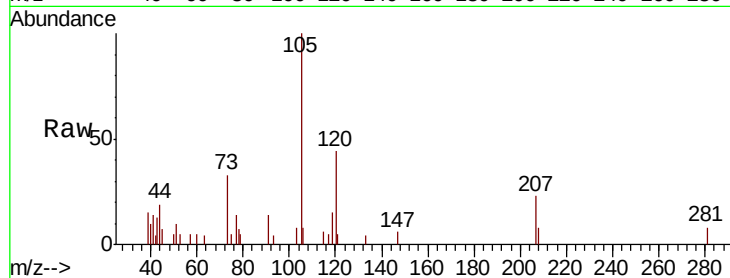
ClientSampled :

Tot Ion:105 Resp: 6128

Ion Ratio Lower Upper

105 100

120 42.7 21.9 65.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

4000

3000

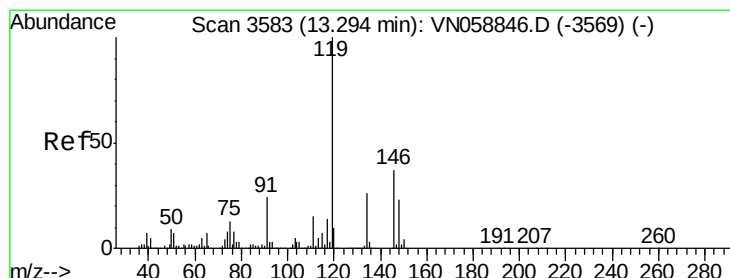
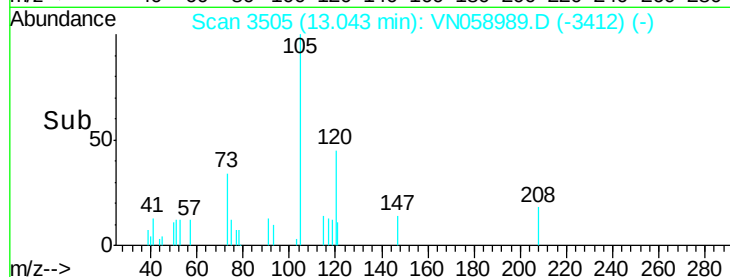
2000

1000

0

Time-->

13.00 13.05 13.10



#86

p-Isopropyltoluene

Concen: 0.235 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

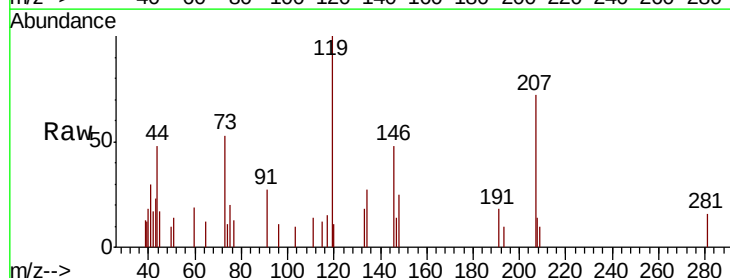
Tgt Ion:119 Resp: 2782

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 18.7 12.2 36.4



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

2000

1500

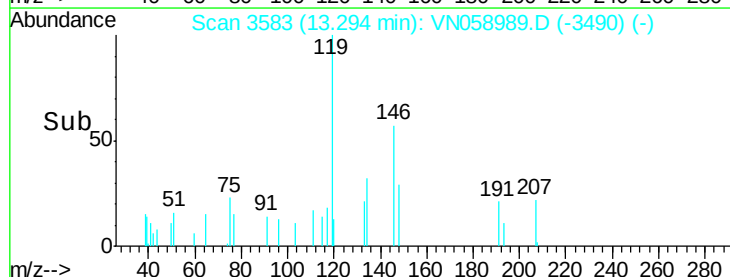
1000

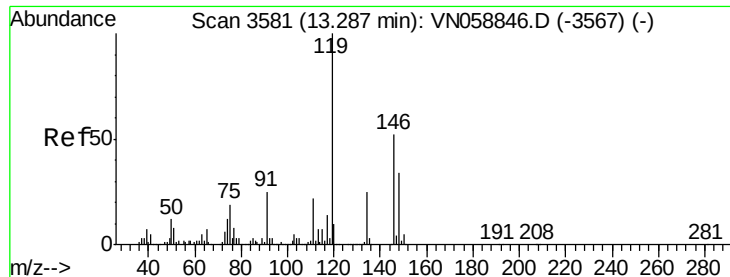
500

0

Time-->

13.25 13.30 13.35

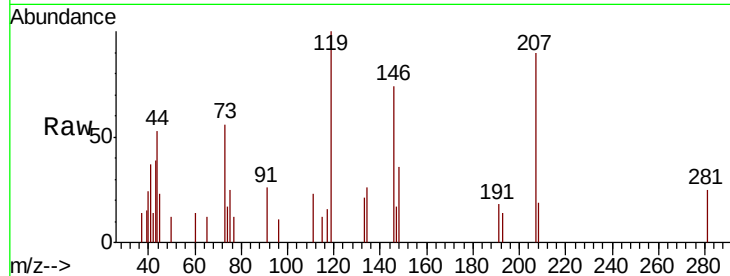




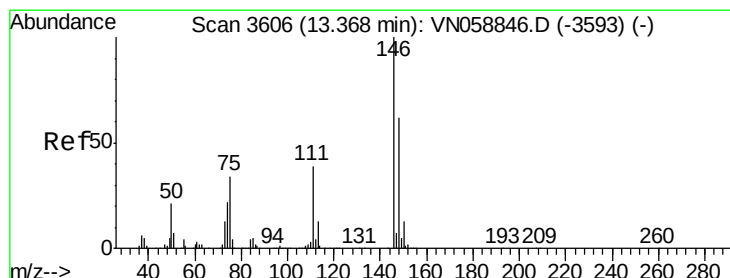
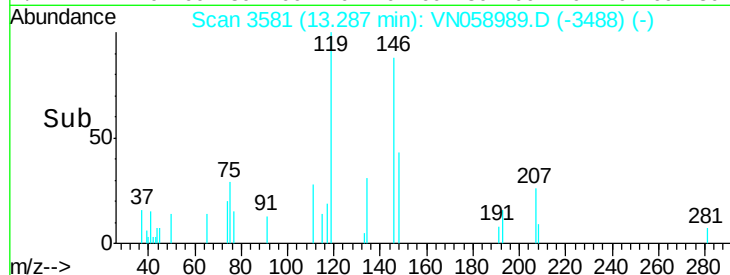
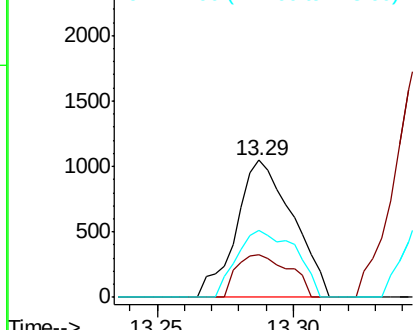
#87
 1,3-Dichlorobenzene
 Concen: 0.243 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058989.D
 Acq: 28 Oct 2019 12:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 1501
 Ion Ratio Lower Upper
 146 100
 111 29.1 21.0 63.0
 148 51.2 32.1 96.3

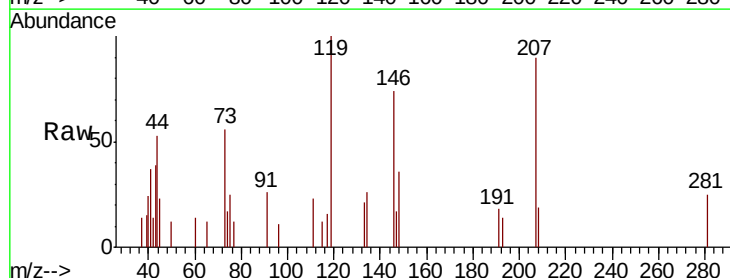


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

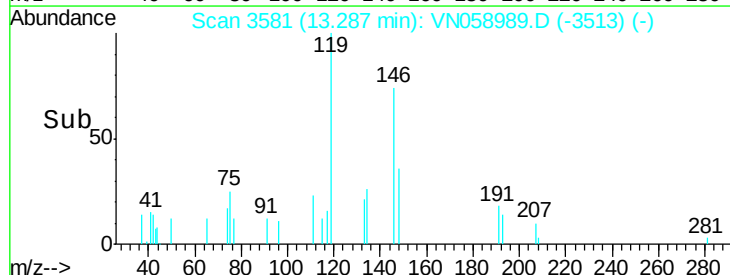
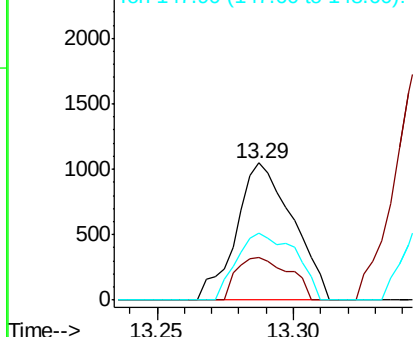


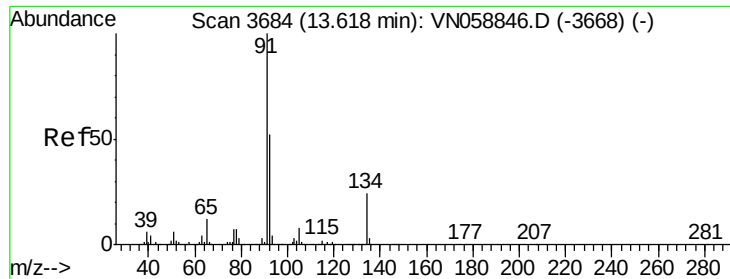
#88
 1,4-Dichlorobenzene
 Concen: 0.242 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN058989.D
 Acq: 28 Oct 2019 12:00

Tgt Ion:146 Resp: 1501
 Ion Ratio Lower Upper
 146 100
 111 29.1 20.2 60.6
 148 51.2 31.6 94.7



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

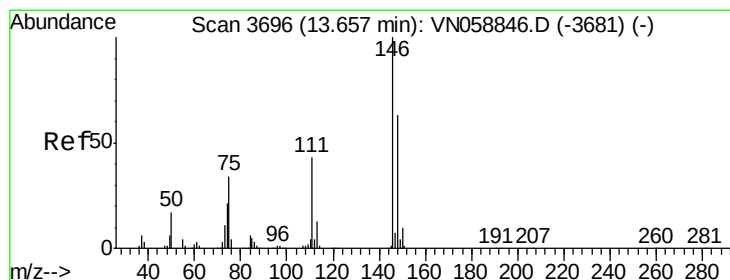
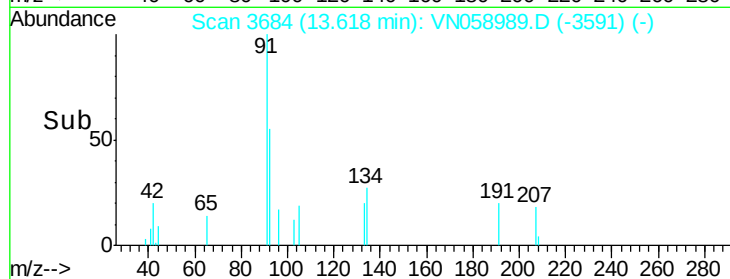
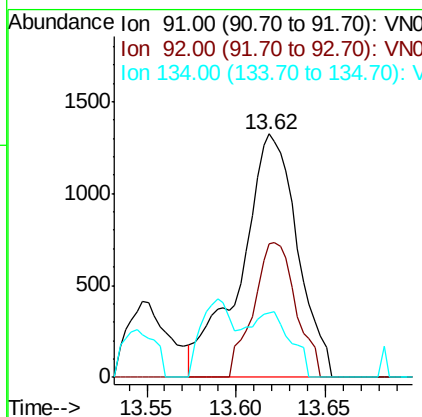
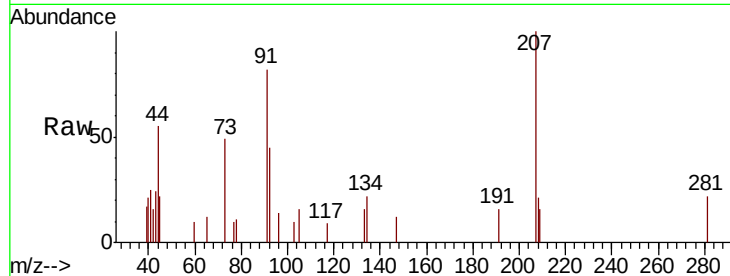




#89
n-Butylbenzene
Concen: 0.269 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

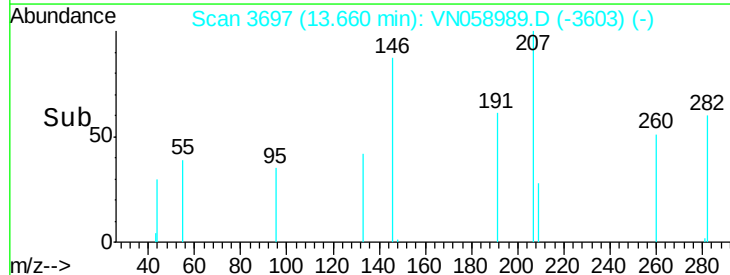
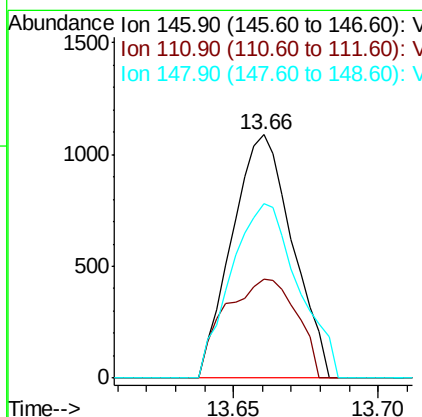
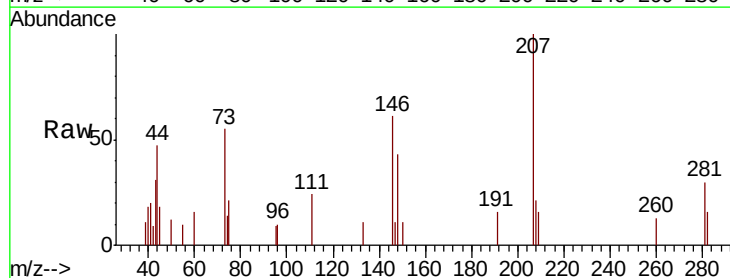
Instrument :
MSVOA_N
ClientSampleId :

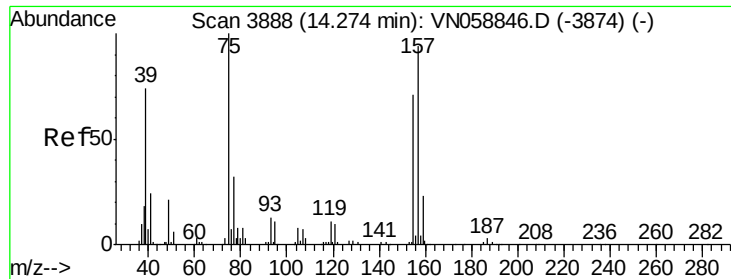
Tot Ion: 91 Resp: 2929
Ion Ratio Lower Upper
91 100
92 41.7 25.7 77.1
134 15.8 11.9 35.5



#91
1,2-Dichlorobenzene
Concen: 0.259 ug/l
RT: 13.66 min Scan# 3697
Delta R.T. 0.00 min
Lab File: VN058989.D
Acq: 28 Oct 2019 12:00

Tgt Ion: 146 Resp: 1572
Ion Ratio Lower Upper
146 100
111 48.0 21.6 64.8
148 79.6 31.9 95.9





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.478 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :

MSVOA_N

ClientSampled :

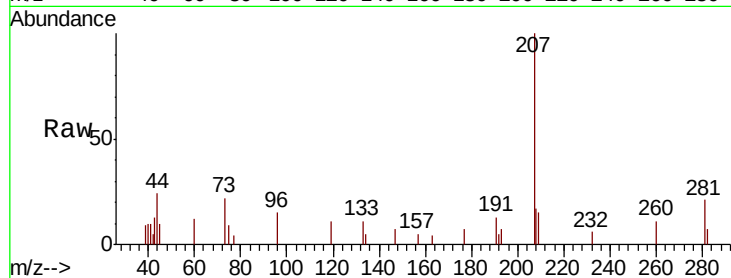
Tot Ion: 75 Resp: 533

Ion Ratio Lower Upper

75 100

155 11.8 35.6 106.8#

157 28.9 47.4 142.2#

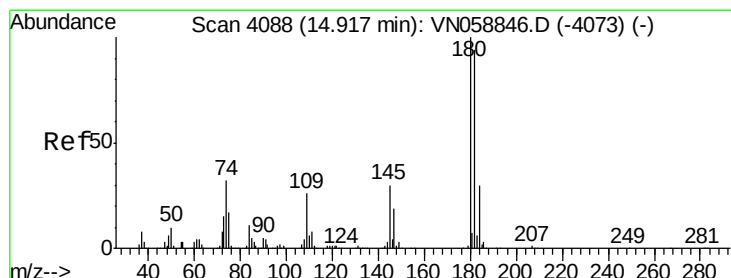
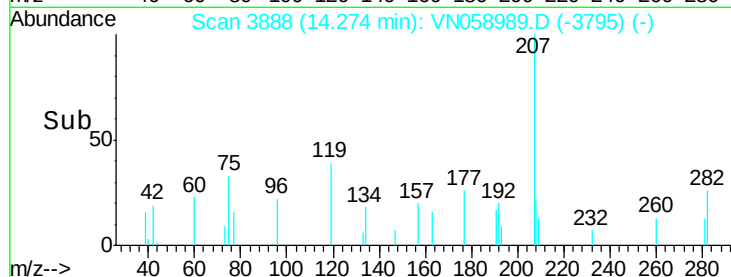


Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3874) (-)

Ion 154.80 (154.50 to 155.50): VN058846.D (-3874) (-)

Ion 156.80 (156.50 to 157.50): VN058846.D (-3874) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 3.185 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

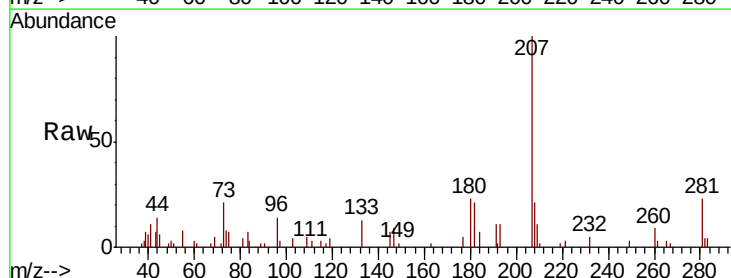
Tgt Ion:180 Resp: 2676

Ion Ratio Lower Upper

180 100

182 95.5 47.3 142.0

145 35.3 15.3 45.8

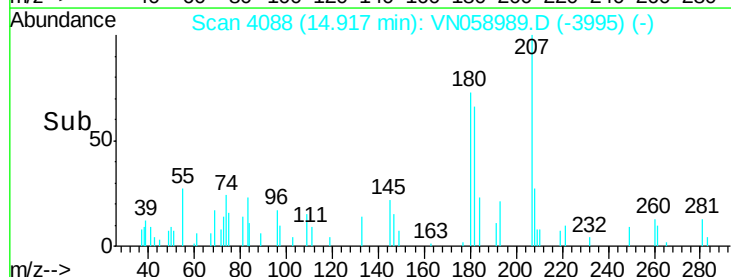


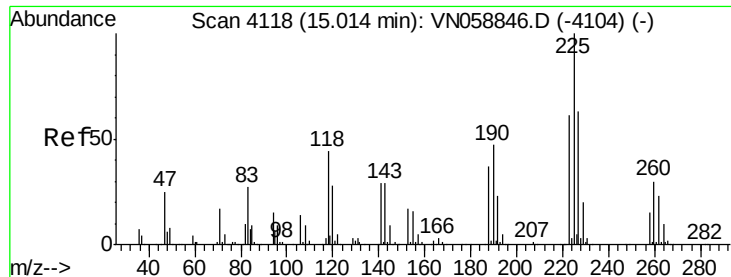
Abundance Ion 179.80 (179.50 to 180.50): VN058846.D (-4073) (-)

Ion 181.80 (181.50 to 182.50): VN058846.D (-4073) (-)

Ion 144.80 (144.50 to 145.50): VN058846.D (-4073) (-)

Time-->





#94

Hexachlorobutadiene

Concen: 0.298 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.01 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

Instrument :

MSVOA_N

ClientSampled :

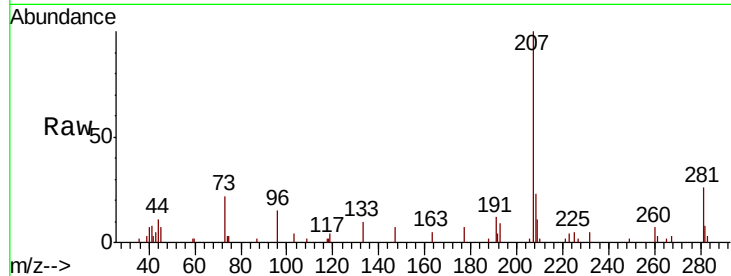
Tot Ion:225 Resp: 588

Ion Ratio Lower Upper

225 100

223 43.4 30.9 92.5

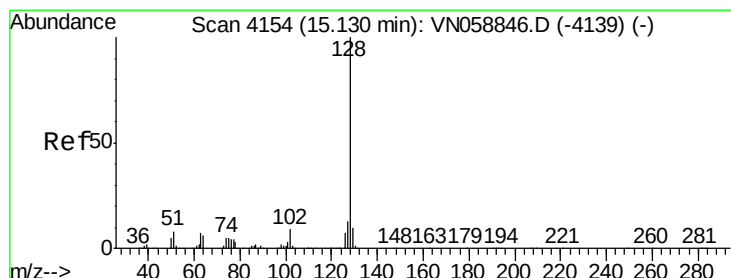
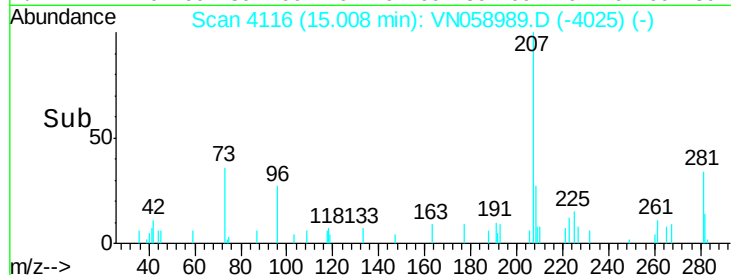
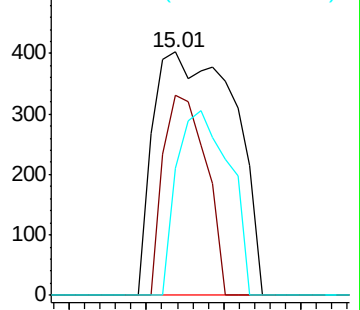
227 48.8 31.6 94.7



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: 5.724 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058989.D

Acq: 28 Oct 2019 12:00

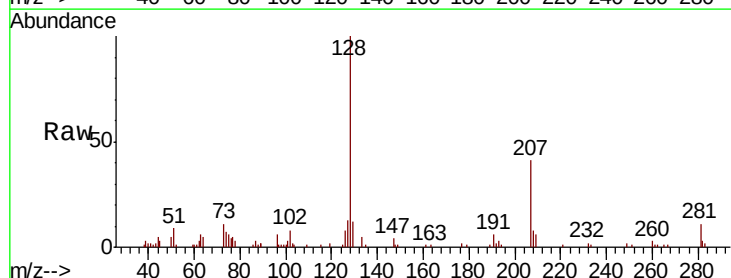
Tgt Ion:128 Resp: 40271

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

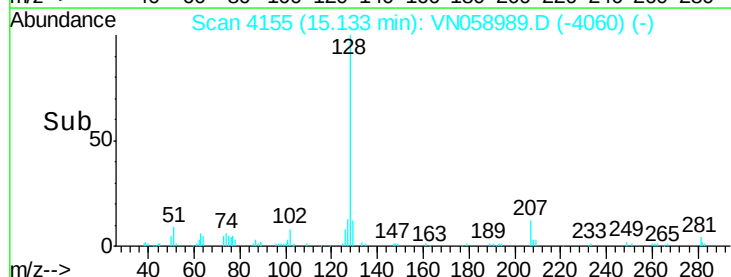
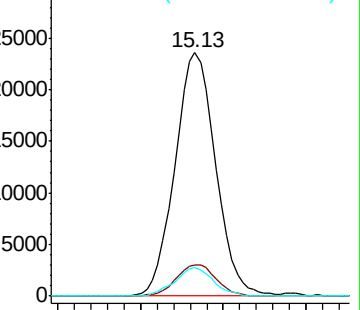
129 11.0 8.4 12.6

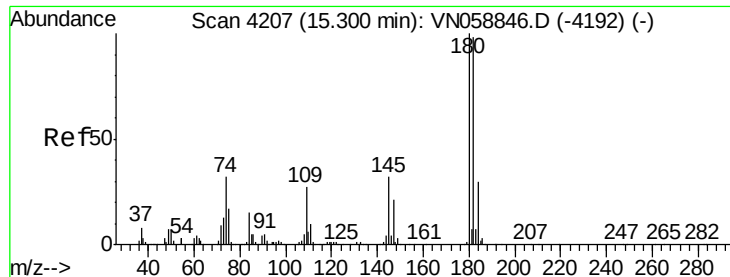


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

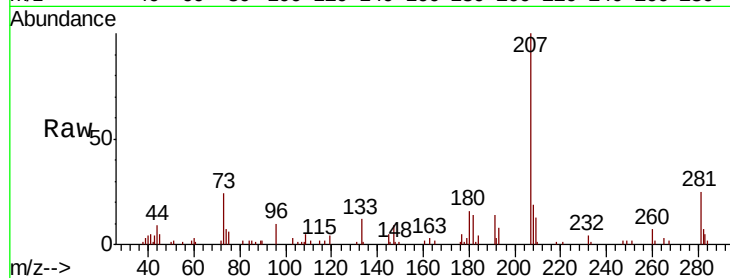




#96
 1,2,3-Trichlorobenzene
 Concen: 3.282 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058989.D
 Acq: 28 Oct 2019 12:00

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.1	47.9	143.7
145	36.9	15.9	47.7



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

