

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041420\
 Data File : VN060942.D
 Acq On : 14 Apr 2020 18:30
 Operator : JC/MD
 Sample : L2243-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-28-COMP

Quant Time: Apr 15 07:49:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	150173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	258833	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	245278	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111920	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	101197	49.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.18%	
35) Dibromofluoromethane	7.56	113	76449	48.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.70%	
50) Toluene-d8	10.08	98	322841	50.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.40	95	123307	52.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.26%	

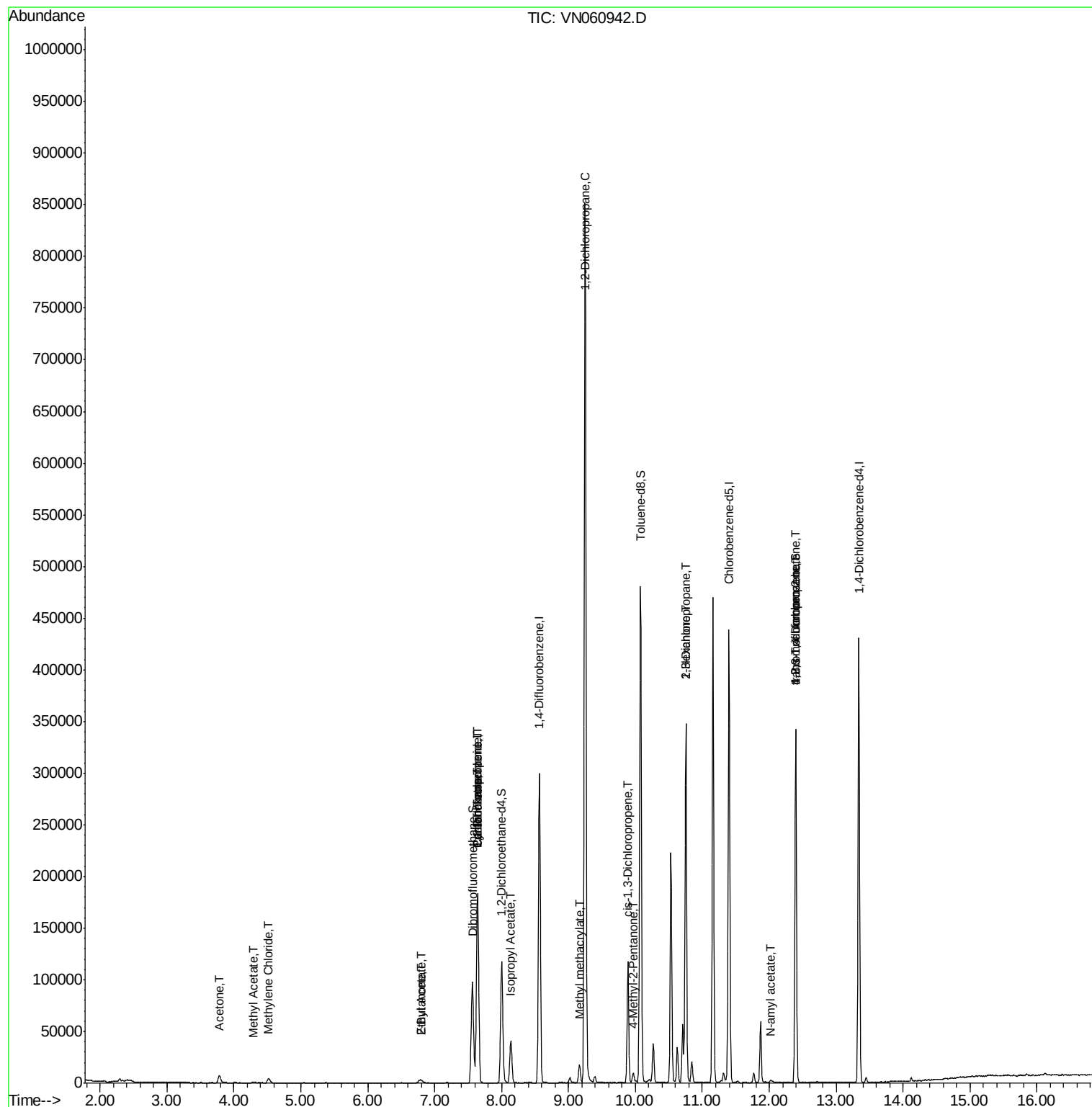
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	13751	18.831	ug/l	99
18) Methyl Acetate	4.29	43	1580	0.769	ug/l #	54
20) Methylene Chloride	4.52	84	3143	1.750	ug/l	92
25) 2-Butanone	6.80	43	4206	3.559	ug/l	91
31) Cyclohexane	7.64	56	3130	0.943	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	12144	4.845	ug/l #	49
37) Ethyl Acetate	6.80	43	4206	1.553	ug/l #	70
38) Carbon Tetrachloride	7.64	117	14739	6.561	ug/l #	15
43) Isopropyl Acetate	8.14	43	49961	11.186	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	944	0.473	ug/l #	43
48) Methyl methacrylate	9.16	41	2455	1.235	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	6739	2.652	ug/l	99
54) cis-1,3-Dichloropropene	9.89	75	20684	6.544	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	3335	1.093	ug/l #	42
59) 2-Hexanone	10.75	43	51493	28.127	ug/l #	52
74) N-amyl acetate	12.02	43	3043	0.784	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	62338	25.813	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	62338	66.295	ug/l #	13

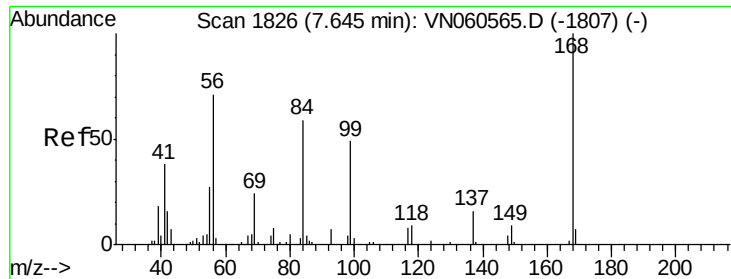
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060942.D

Acq: 14 Apr 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

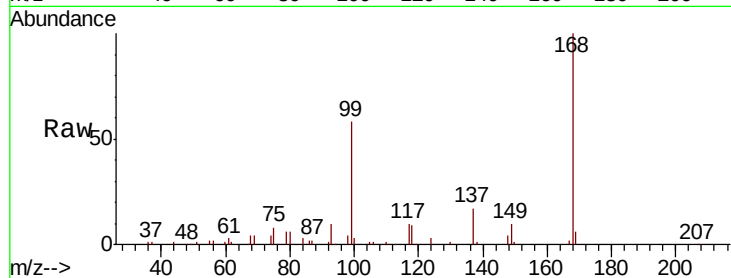
TP-28-COMP

Tot Ion:168 Resp: 150173

Ion Ratio Lower Upper

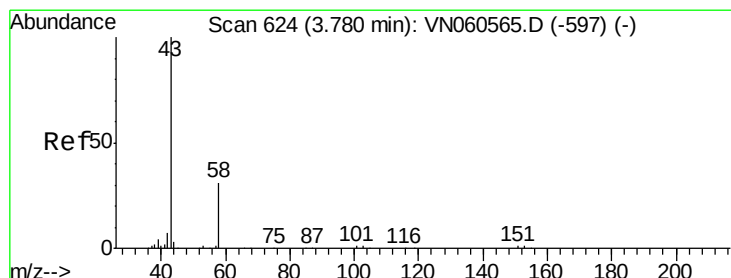
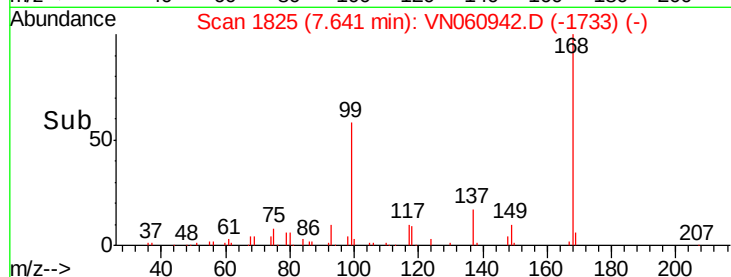
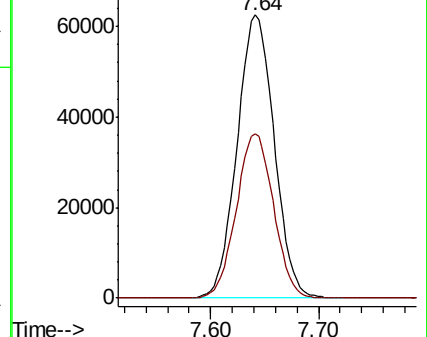
168 100

99 57.9 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060565.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN060565.D (-1807) (-)



#16

Acetone

Concen: 18.831 ug/l

RT: 3.78 min Scan# 624

Delta R.T. -0.00 min

Lab File: VN060942.D

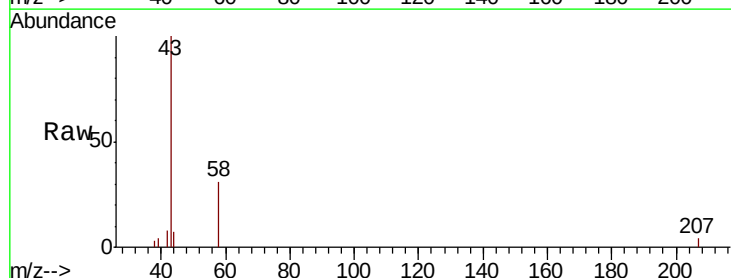
Acq: 14 Apr 2020 18:30

Tgt Ion: 43 Resp: 13751

Ion Ratio Lower Upper

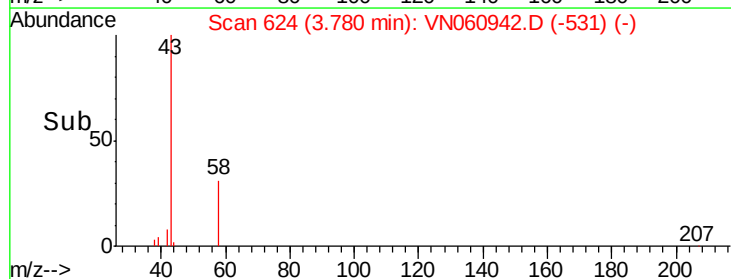
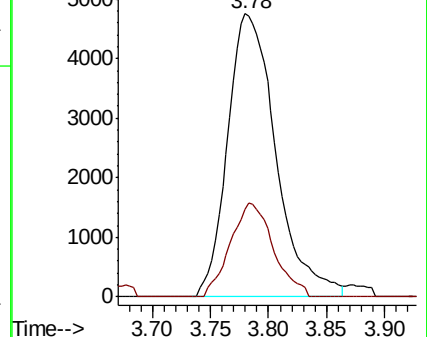
43 100

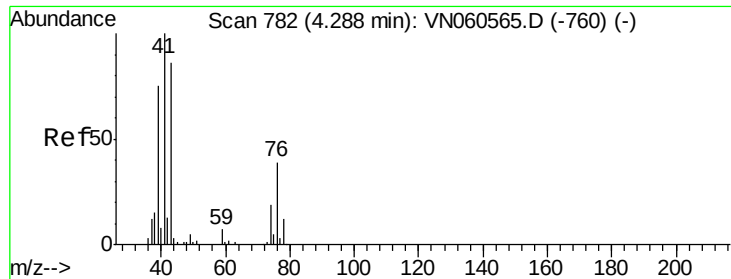
58 30.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-597) (-)

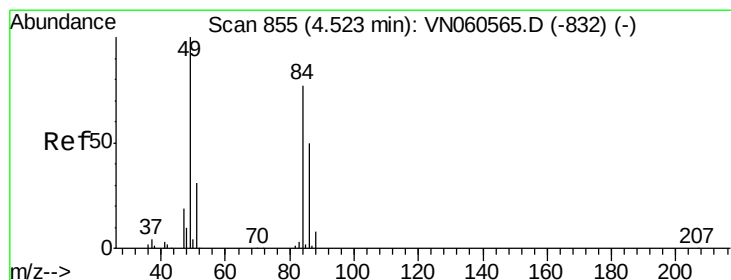
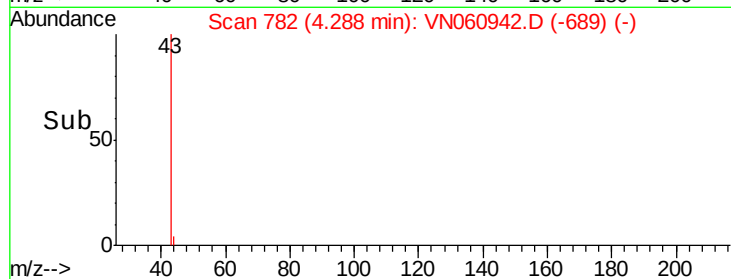
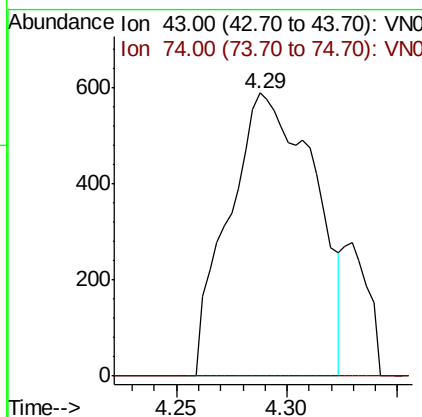
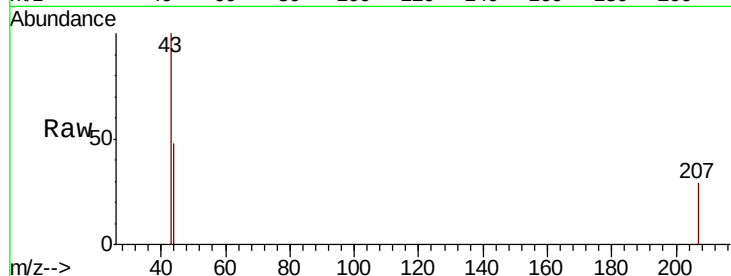




#18
Methyl Acetate
Concen: 0.769 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060942.D
Acq: 14 Apr 2020 18:30

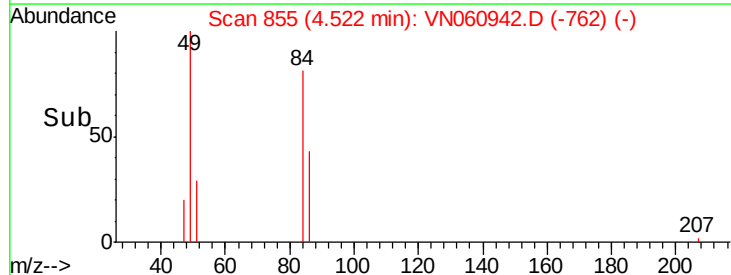
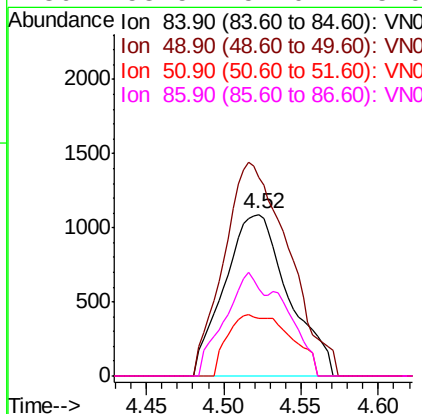
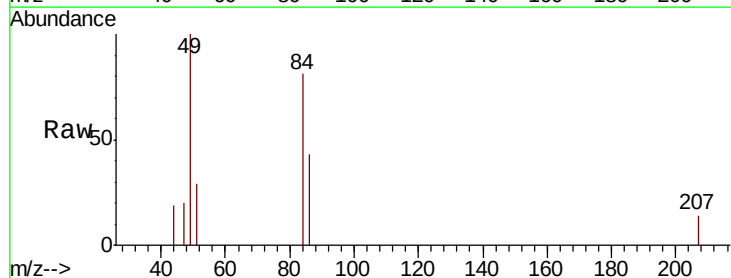
Instrument :
MSVOA_N
ClientSampled :
TP-28-COMP

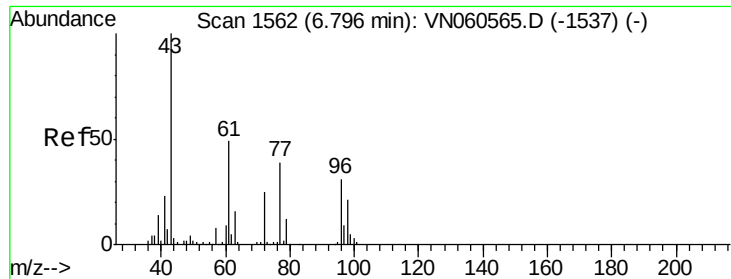
Tot Ion: 43 Resp: 1580
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 1.750 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN060942.D
Acq: 14 Apr 2020 18:30

Tgt Ion: 84 Resp: 3143
Ion Ratio Lower Upper
84 100
49 123.0 103.3 154.9
51 35.7 31.6 47.4
86 53.5 52.0 78.0

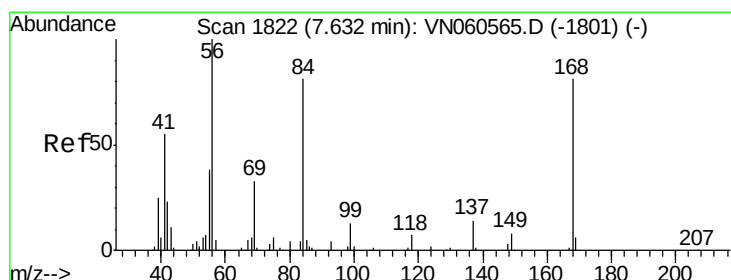
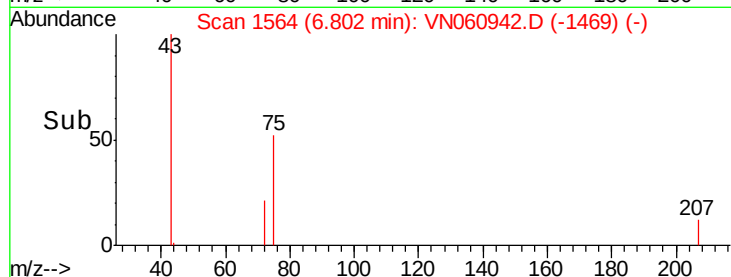
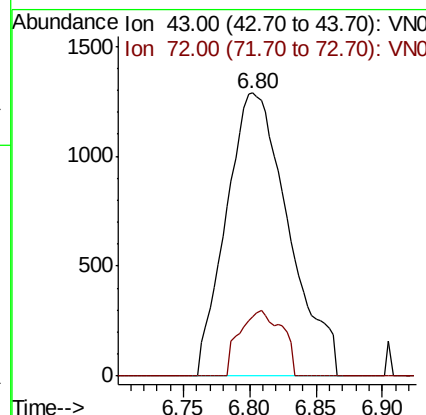
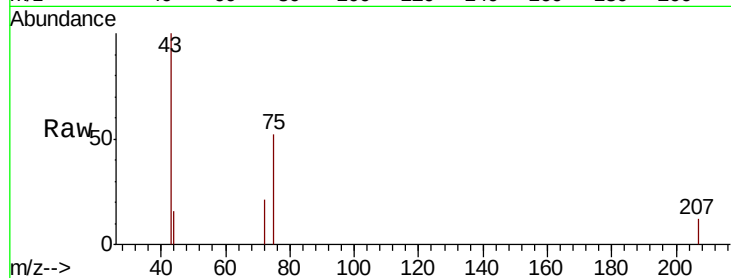




#25
2-Butanone
Concen: 3.559 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN060942.D
Acq: 14 Apr 2020 18:30

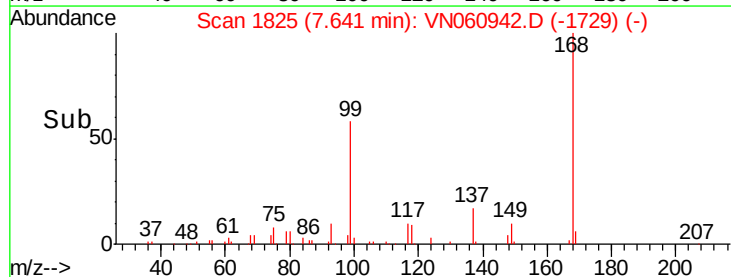
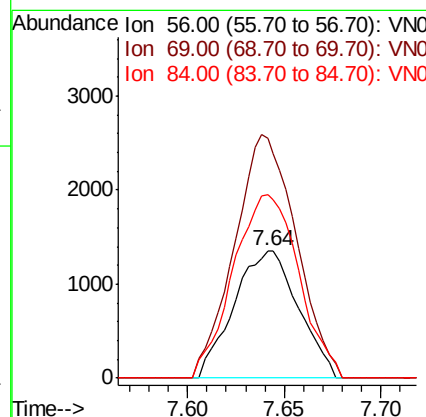
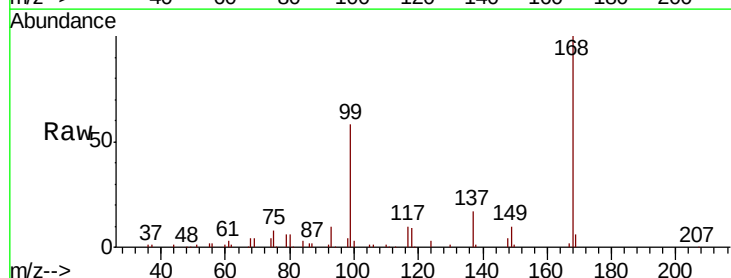
Instrument :
MSVOA_N
ClientSampled :
TP-28-COMP

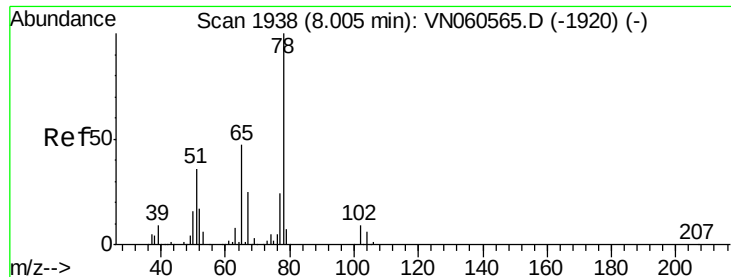
Tot Ion: 43 Resp: 4206
Ion Ratio Lower Upper
43 100
72 21.1 20.4 30.6



#31
Cyclohexane
Concen: 0.943 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060942.D
Acq: 14 Apr 2020 18:30

Tgt Ion: 56 Resp: 3130
Ion Ratio Lower Upper
56 100
69 188.0 26.6 40.0#
84 144.1 64.3 96.5#

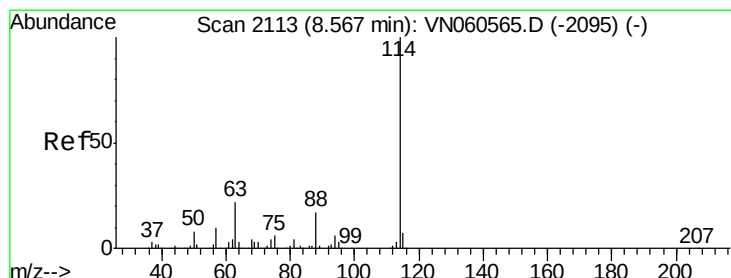
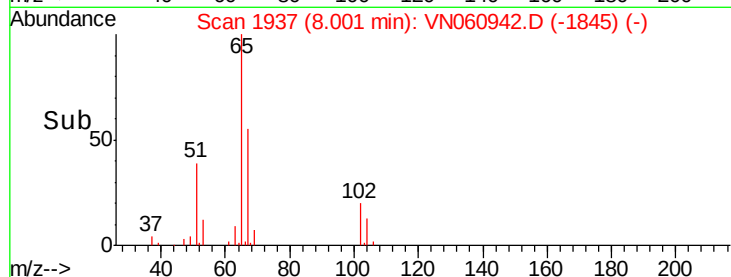
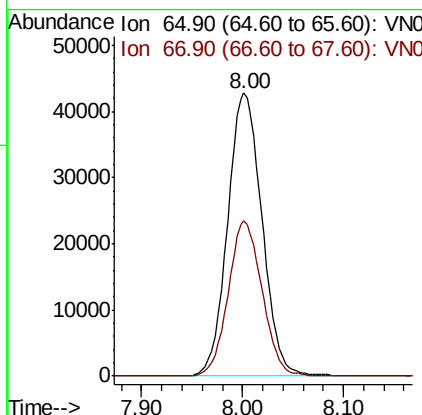
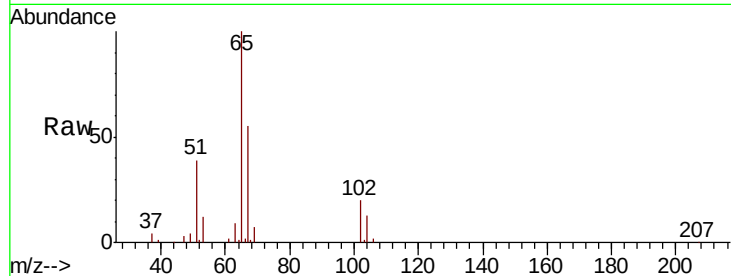




#33
 1,2-Dichloroethane-d4
 Concen: 49.088 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060942.D
 Acq: 14 Apr 2020 18:30

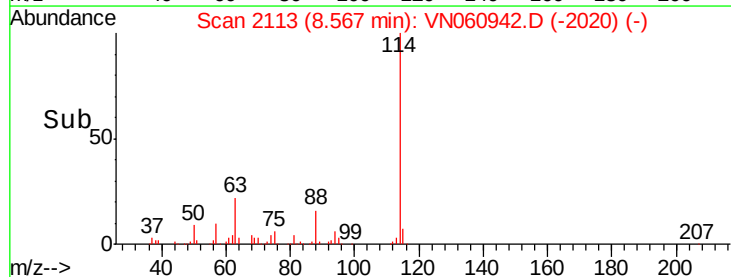
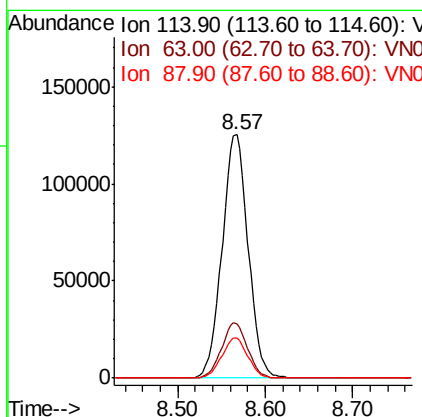
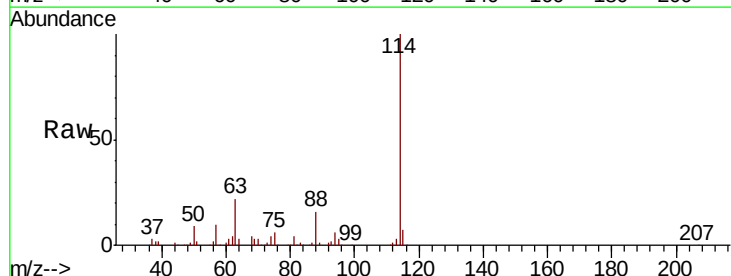
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-28-COMP

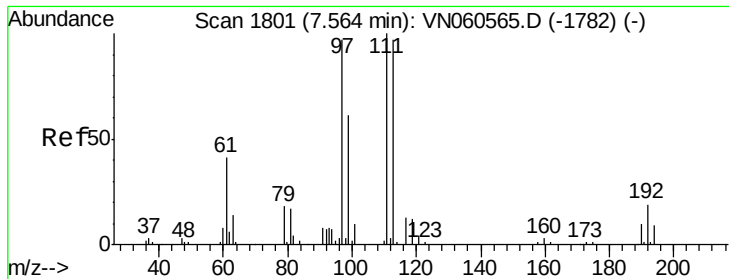
Tot Ion: 65 Resp: 101197
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060942.D
 Acq: 14 Apr 2020 18:30

Tgt Ion: 114 Resp: 258833
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.3 0.0 33.0

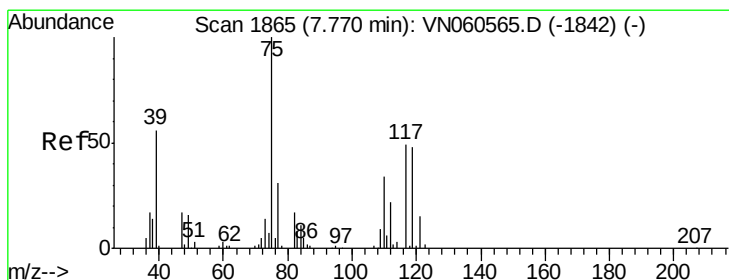
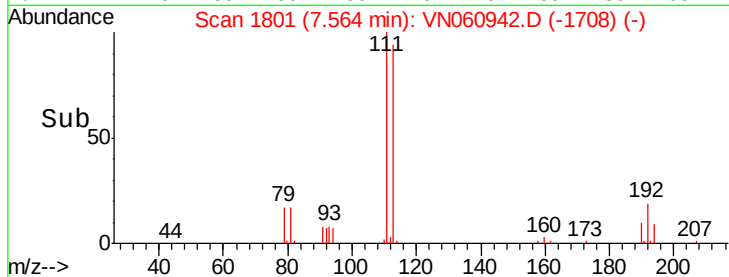
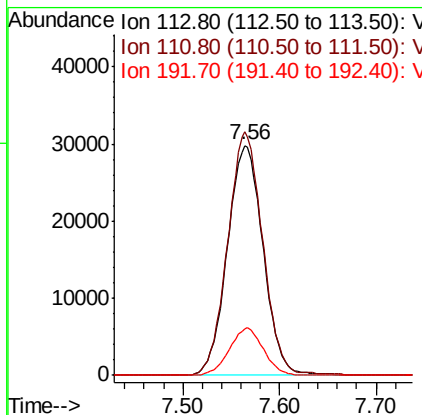
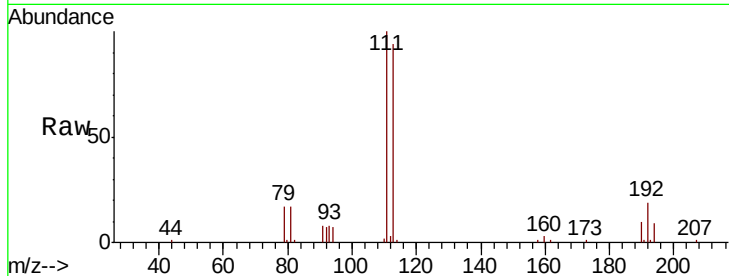




#35
 Dibromofluoromethane
 Concen: 48.847 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060942.D
 Acq: 14 Apr 2020 18:30

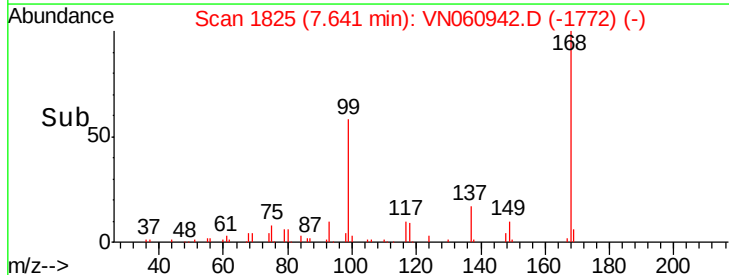
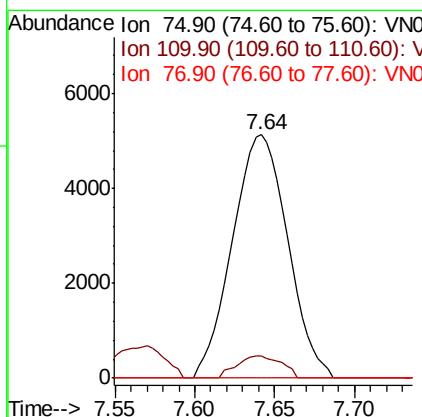
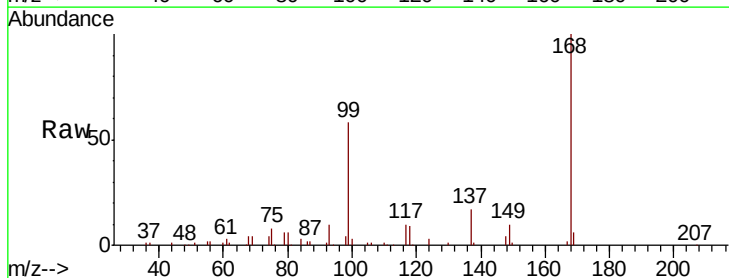
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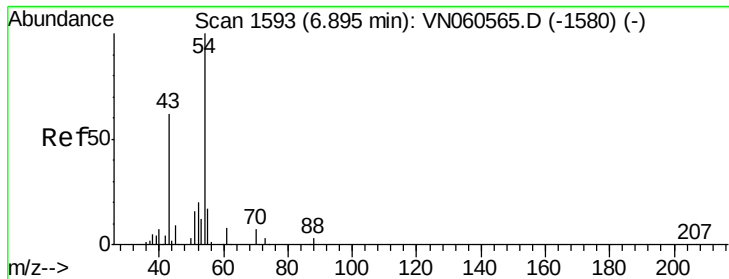
Tot Ion:113 Resp: 76449
 Ion Ratio Lower Upper
 113 100
 111 103.6 82.9 124.3
 192 19.6 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.845 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060942.D
 Acq: 14 Apr 2020 18:30

Tgt Ion: 75 Resp: 12144
 Ion Ratio Lower Upper
 75 100
 110 7.4 16.9 50.6#
 77 0.0 24.6 36.8#

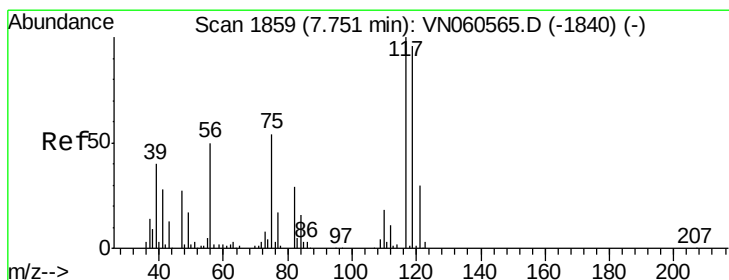
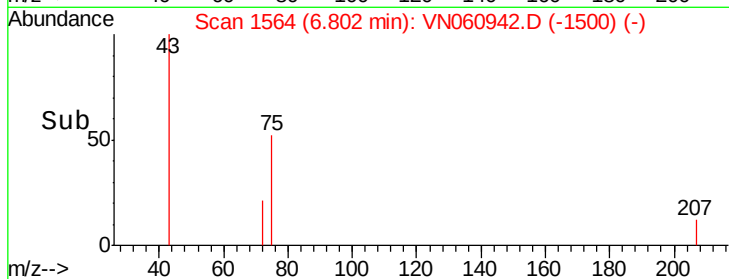
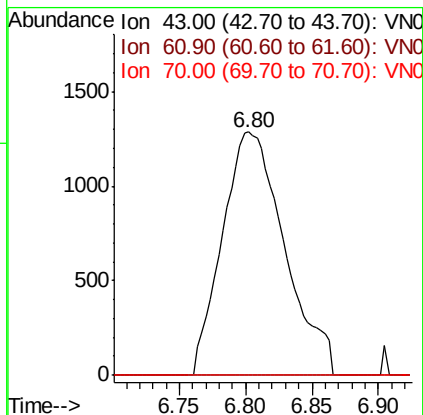
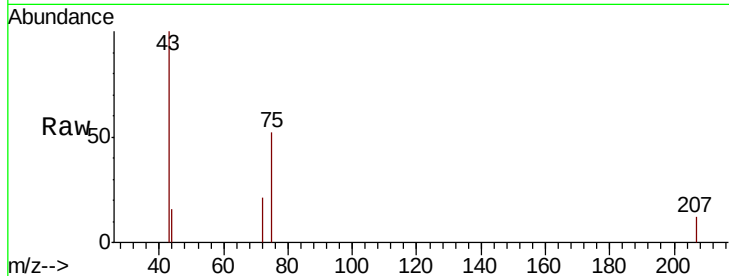




#37
Ethyl Acetate
Concen: 1.553 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.09 min
Lab File: VN060942.D
Acq: 14 Apr 2020 18:30

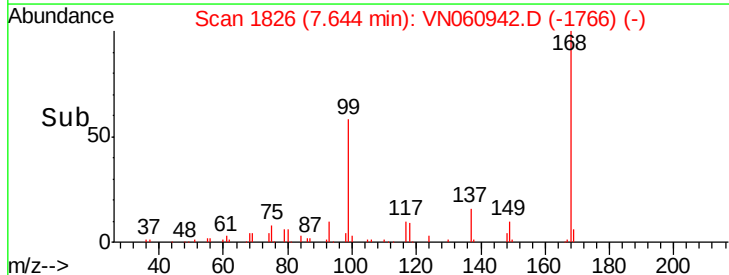
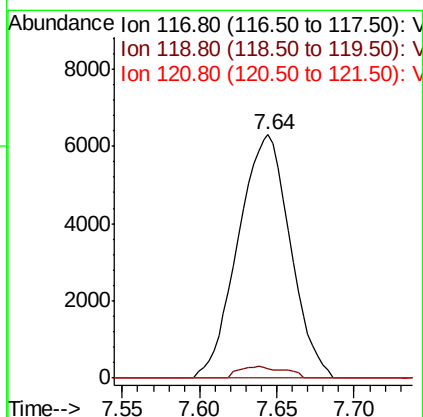
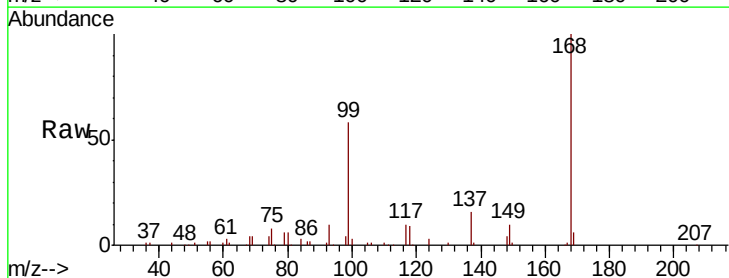
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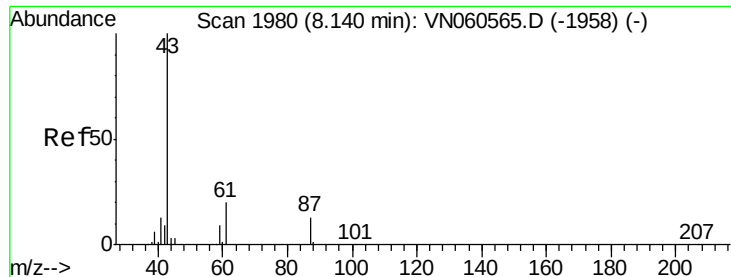
Tot Ion: 43 Resp: 4206
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.561 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060942.D
Acq: 14 Apr 2020 18:30

Tgt Ion: 117 Resp: 14739
Ion Ratio Lower Upper
117 100
119 3.9 76.2 114.2#
121 0.0 23.7 35.5#





#43

Isopropyl Acetate

Concen: 11.186 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN060942.D

Acq: 14 Apr 2020 18:30

Instrument :

MSVOA_N

ClientSampleId :

TP-28-COMP

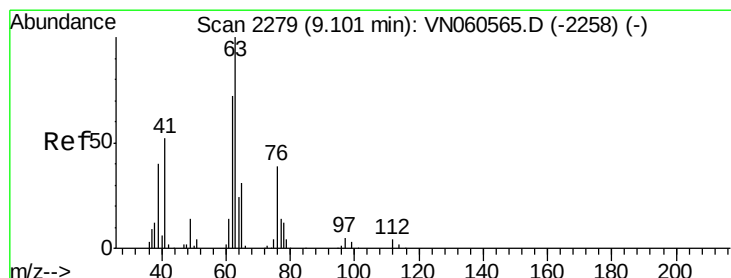
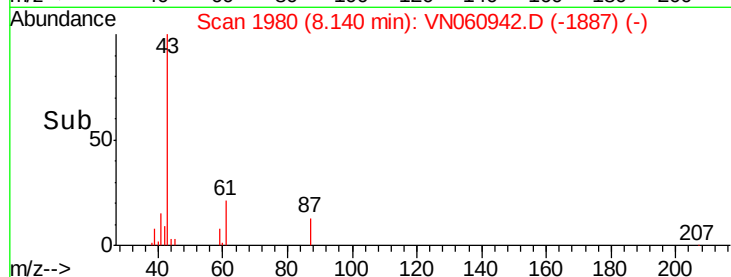
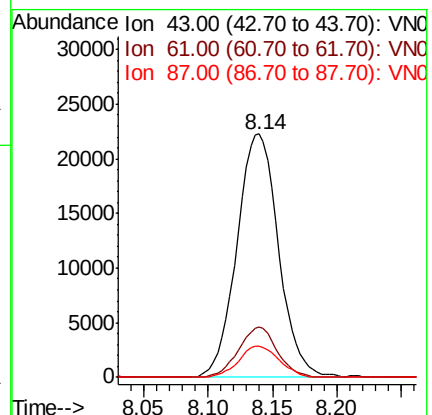
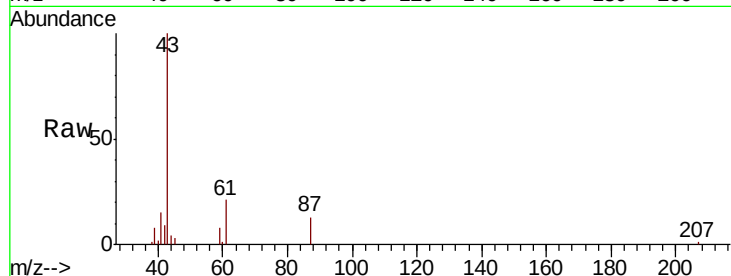
Tot Ion: 43 Resp: 49961

Ion Ratio Lower Upper

43 100

61 19.1 20.7 31.1#

87 12.4 9.8 14.8



#45

1,2-Dichloropropane

Concen: 0.473 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060942.D

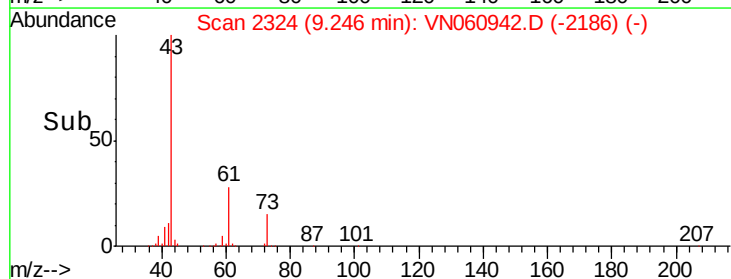
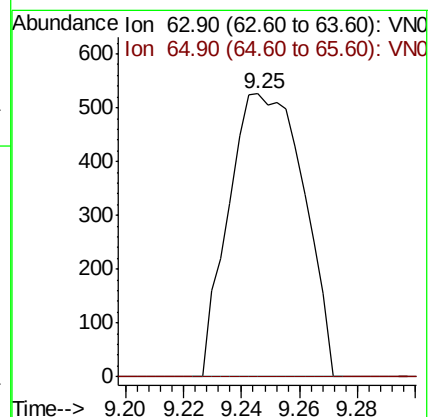
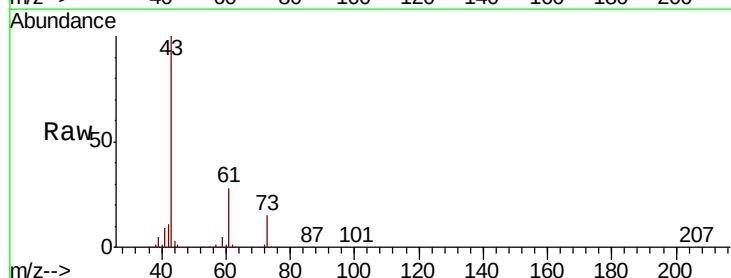
Acq: 14 Apr 2020 18:30

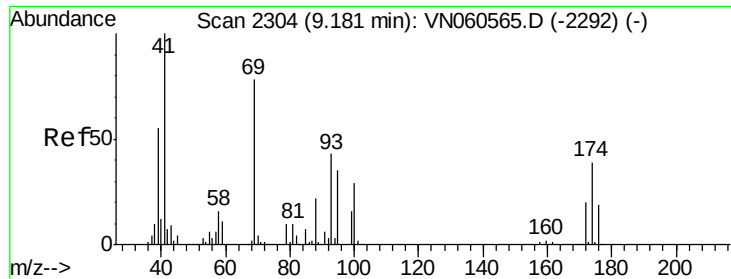
Tgt Ion: 63 Resp: 944

Ion Ratio Lower Upper

63 100

65 0.0 25.4 38.0#

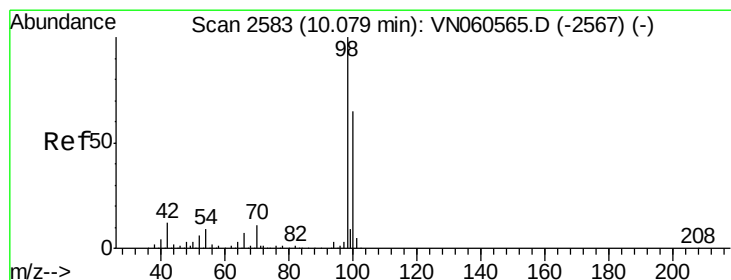
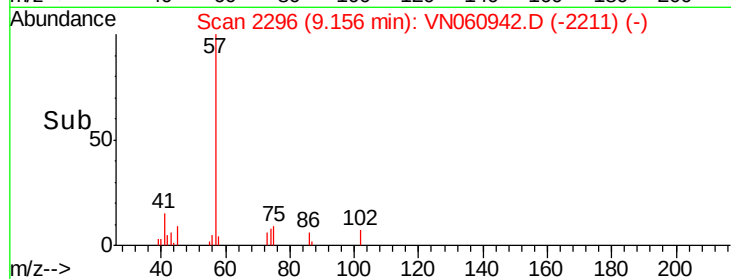
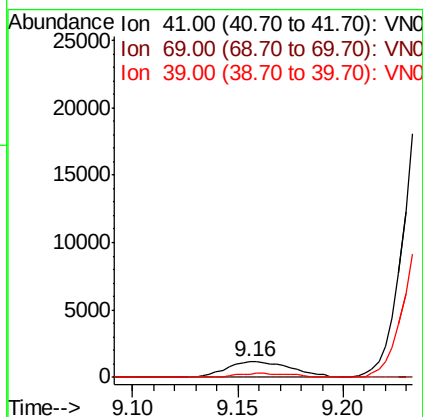
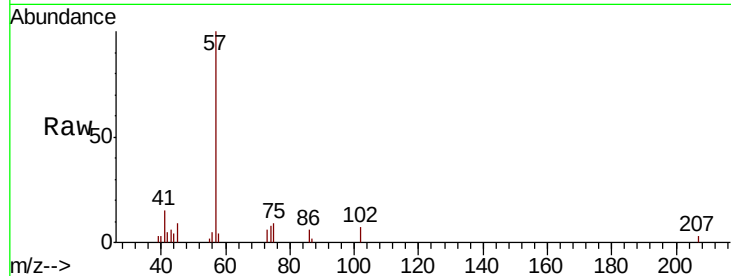




#48
Methvl methacrylate
Concen: 1.235 ug/l
RT: 9.16 min Scan# 2296
Delta R.T. -0.03 min
Lab File: VN060942.D
Acq: 14 Apr 2020 18:30

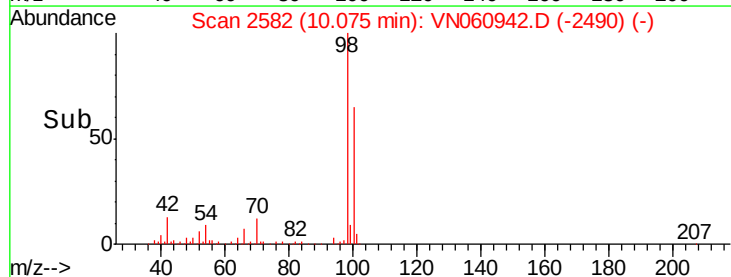
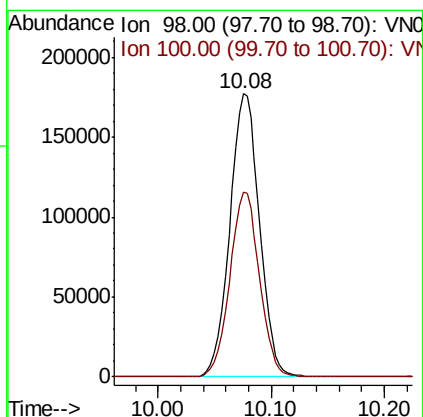
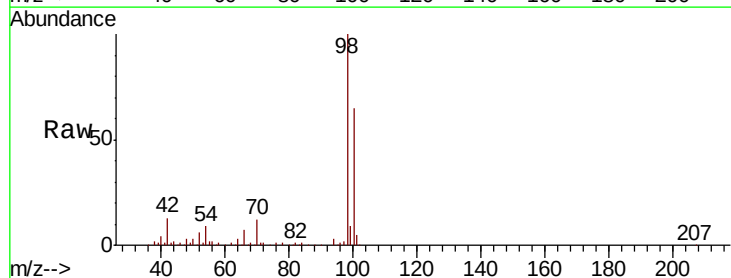
Instrument :
MSVOA_N
ClientSampleId :
TP-28-COMP

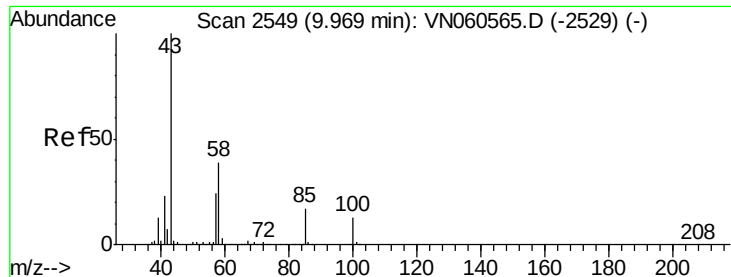
Tot Ion: 41 Resp: 2455
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#



#50
Toluene-d8
Concen: 50.501 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060942.D
Acq: 14 Apr 2020 18:30

Tgt Ion: 98 Resp: 322841
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.8

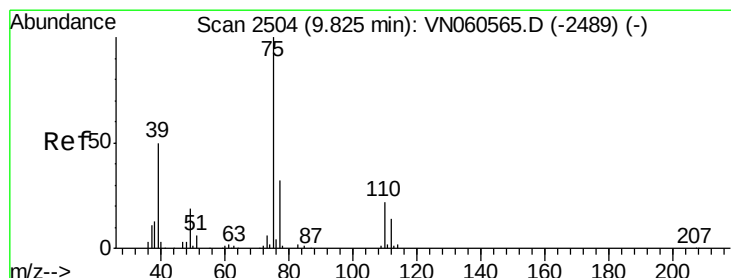
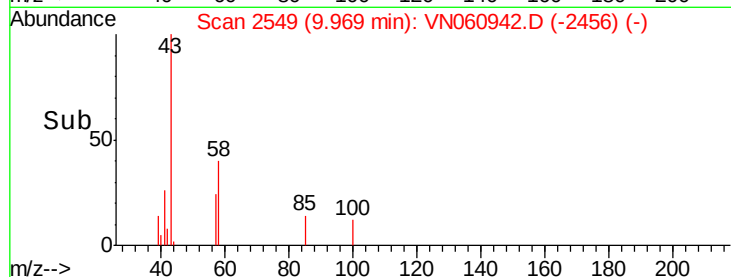
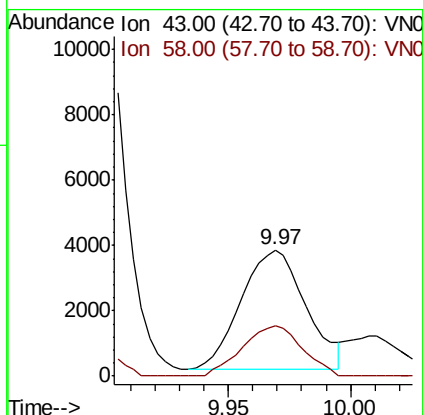
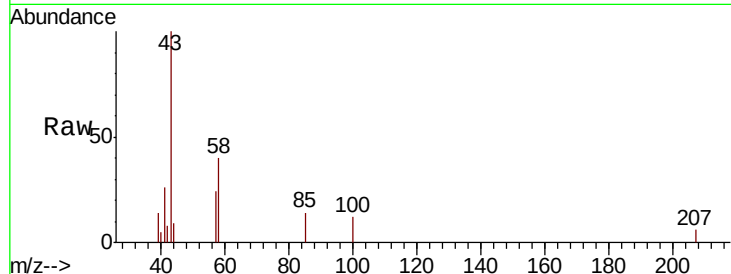




#51
 4-Methyl-2-Pentanone
 Concen: 2.652 ug/l
 RT: 9.97 min Scan# 2549
 Delta R.T. -0.00 min
 Lab File: VN060942.D
 Acq: 14 Apr 2020 18:30

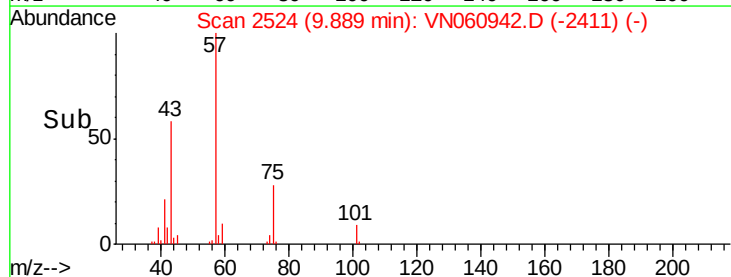
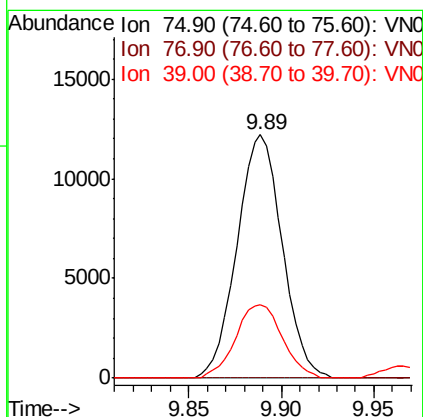
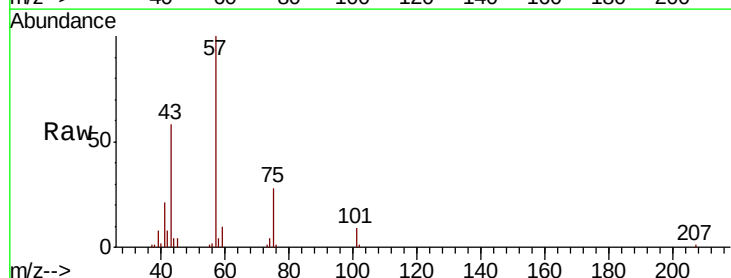
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-28-COMP

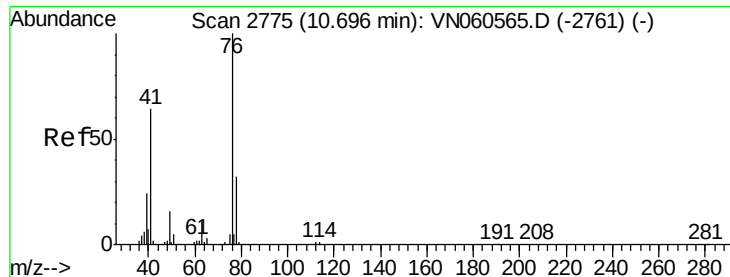
Tot Ion: 43 Resp: 6739
 Ion Ratio Lower Upper
 43 100
 58 38.9 30.8 46.2



#54
 cis-1,3-Dichloropropene
 Concen: 6.544 ug/l
 RT: 9.89 min Scan# 2524
 Delta R.T. 0.06 min
 Lab File: VN060942.D
 Acq: 14 Apr 2020 18:30

Tgt Ion: 75 Resp: 20684
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.4 38.0#
 39 30.0 40.2 60.4#





#57

1,3-Dichloropropane

Concen: 1.093 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060942.D

Acq: 14 Apr 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

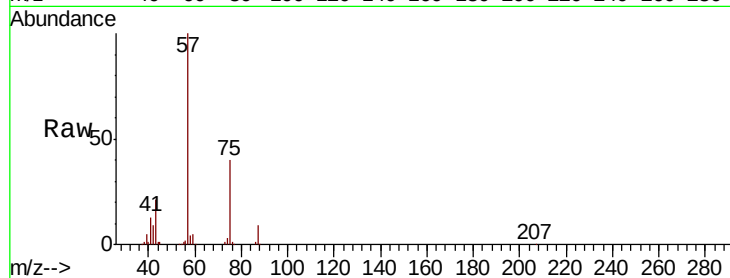
TP-28-COMP

Tot Ion: 76 Resp: 3335

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

2500

2000

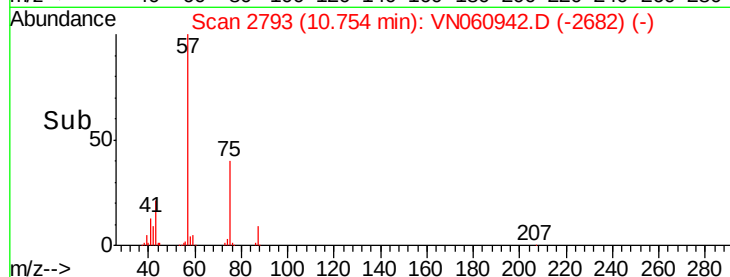
1500

1000

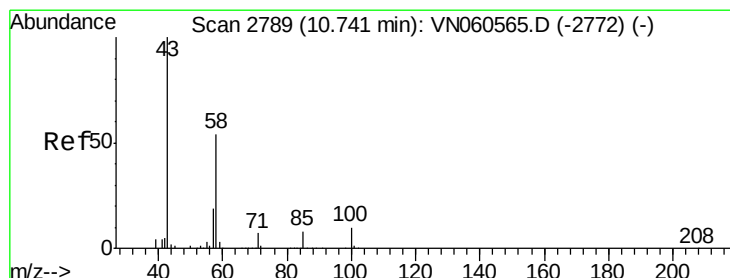
500

0

10.70 10.75 10.80



Time-->



#59

2-Hexanone

Concen: 28.127 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060942.D

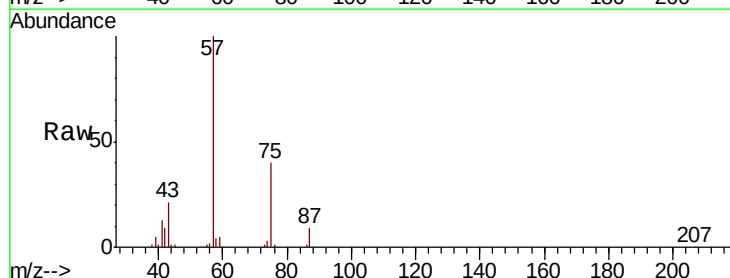
Acq: 14 Apr 2020 18:30

Tgt Ion: 43 Resp: 51493

Ion Ratio Lower Upper

43 100

58 18.9 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

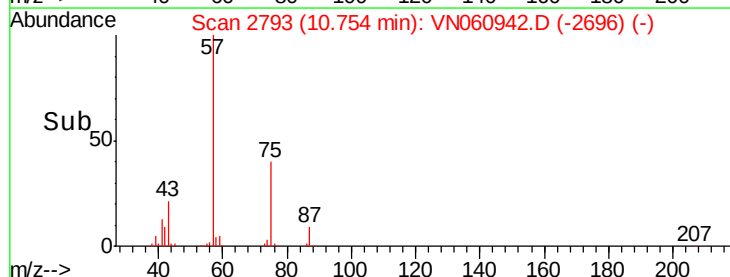
30000

20000

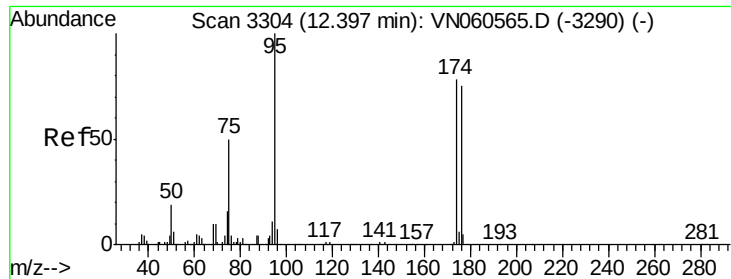
10000

0

10.70 10.75 10.80



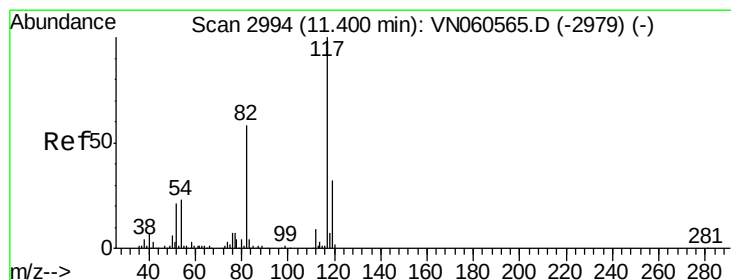
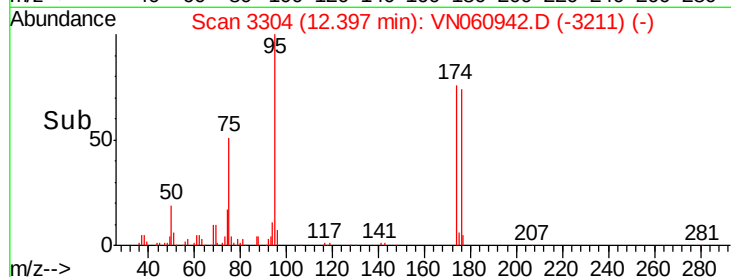
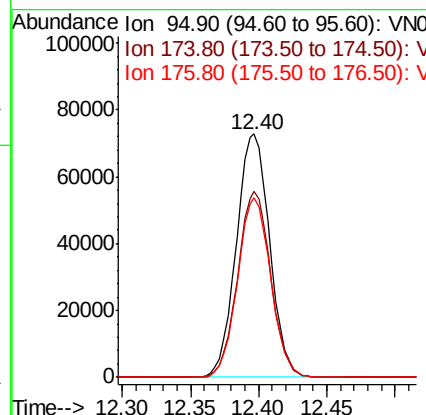
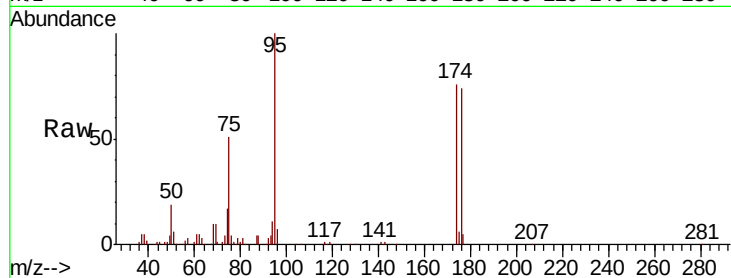
Time-->



#62
4-Bromofluorobenzene
Concen: 52.631 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060942.D
Acq: 14 Apr 2020 18:30

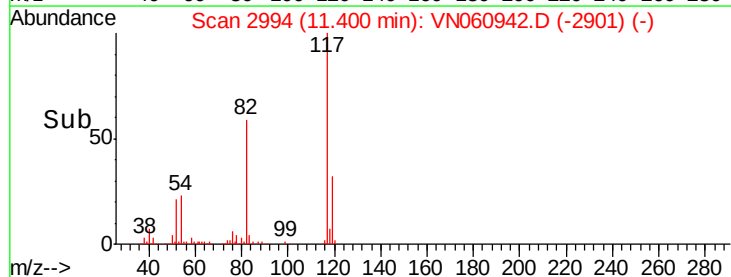
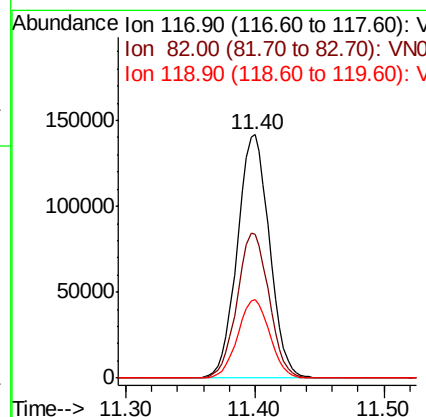
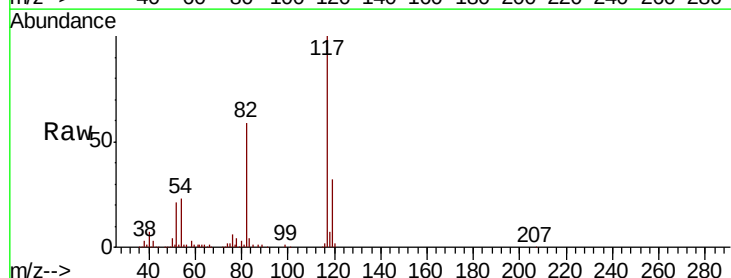
Instrument :
MSVOA_N
ClientSampleId :
TP-28-COMP

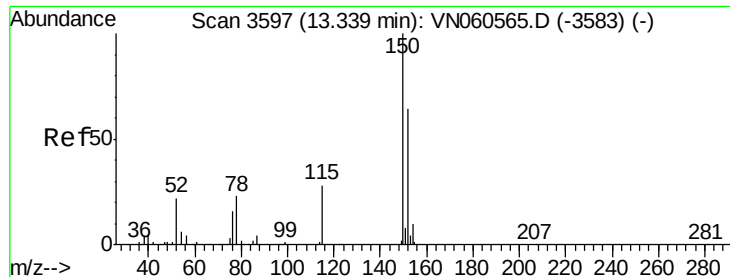
Tot Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	157.6
176	73.1	0.0	150.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060942.D
Acq: 14 Apr 2020 18:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.2	46.7	70.1
119	32.2	25.5	38.3

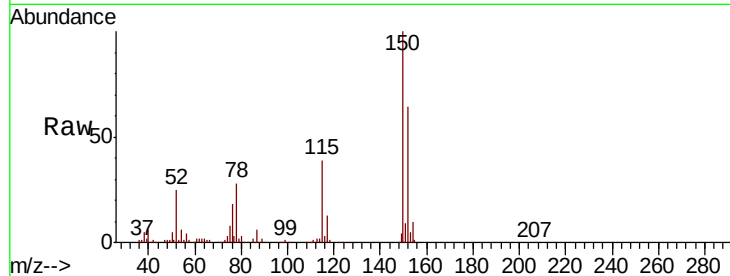




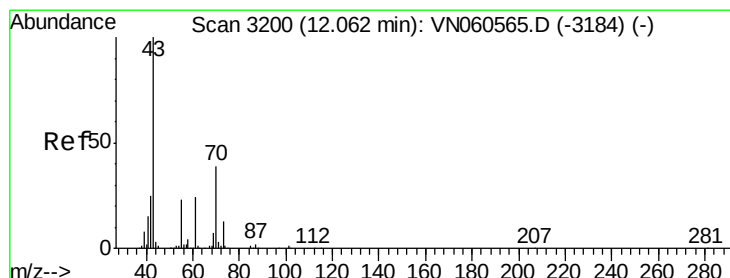
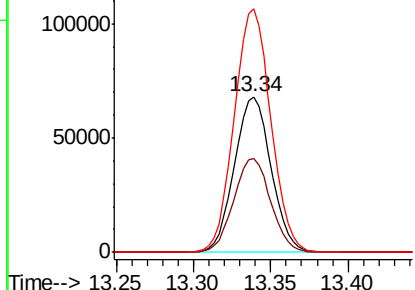
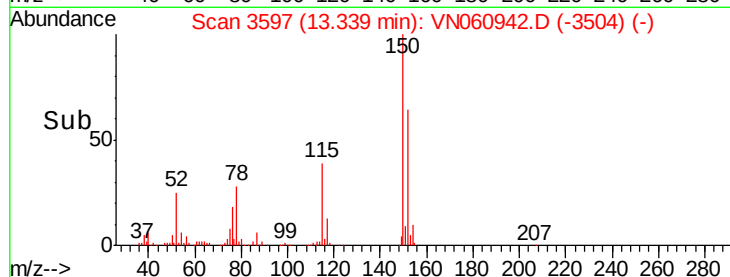
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VN060942.D
 Acq: 14 Apr 2020 18:30

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-28-COMP

Tot Ion:152 Resp: 111920
 Ion Ratio Lower Upper
 152 100
 115 60.6 30.2 90.6
 150 156.4 0.0 350.2

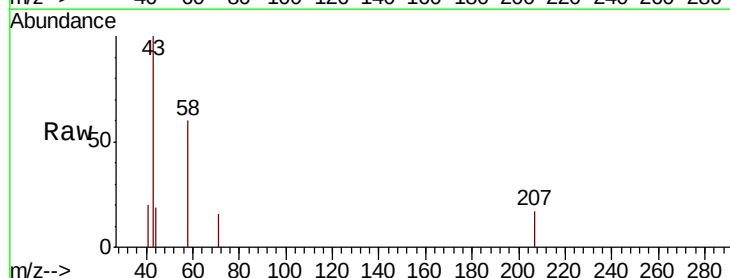


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

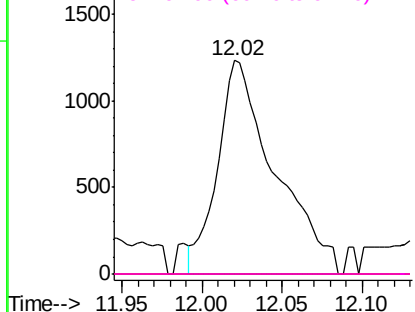
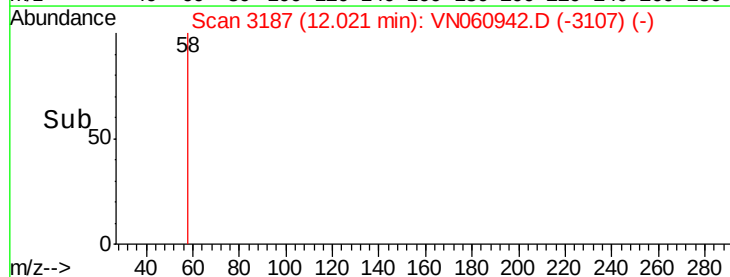


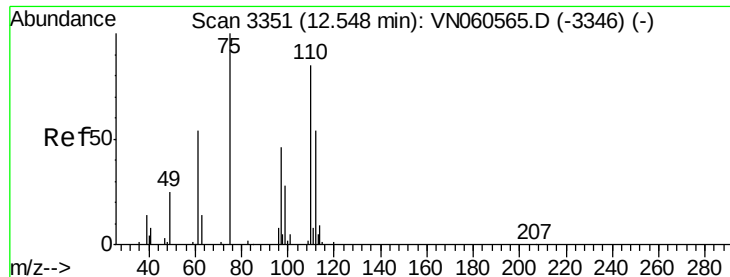
#74
 N-ethyl acetate
 Concen: 0.784 ug/l
 RT: 12.02 min Scan# 3187
 Delta R.T. -0.04 min
 Lab File: VN060942.D
 Acq: 14 Apr 2020 18:30

Tgt Ion: 43 Resp: 3043
 Ion Ratio Lower Upper
 43 100
 70 0.0 31.1 46.7#
 55 0.0 18.6 27.8#
 61 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN
 Ion 70.00 (69.70 to 70.70): VN
 Ion 55.00 (54.70 to 55.70): VN
 Ion 61.00 (60.70 to 61.70): VN





#76

1,2,3-Trichloropropane

Concen: 25.813 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060942.D

Acq: 14 Apr 2020 18:30

Instrument :

MSVOA_N

ClientSampled :

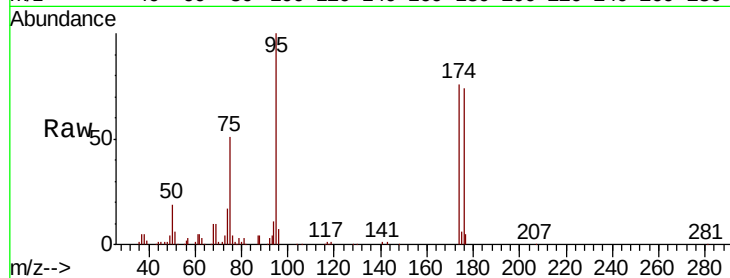
TP-28-COMP

Tot Ion: 75 Resp: 62338

Ion Ratio Lower Upper

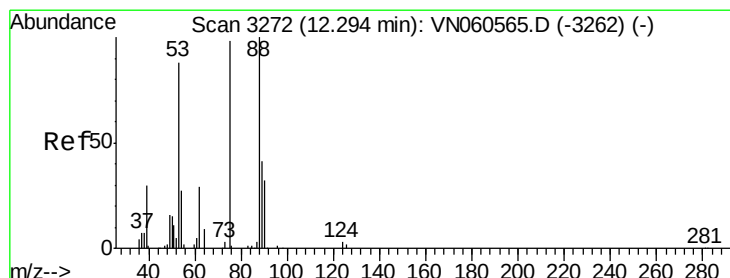
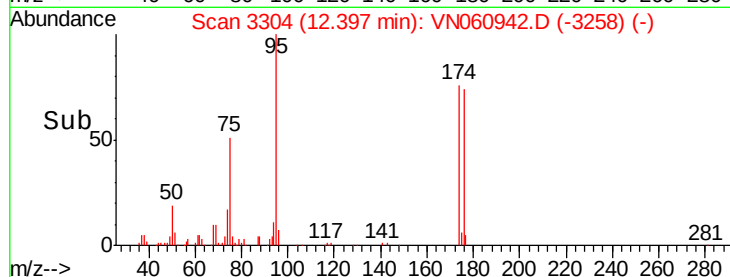
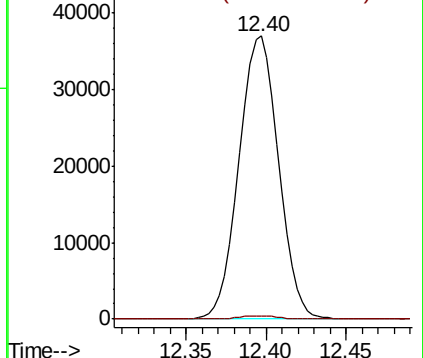
75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 66.295 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060942.D

Acq: 14 Apr 2020 18:30

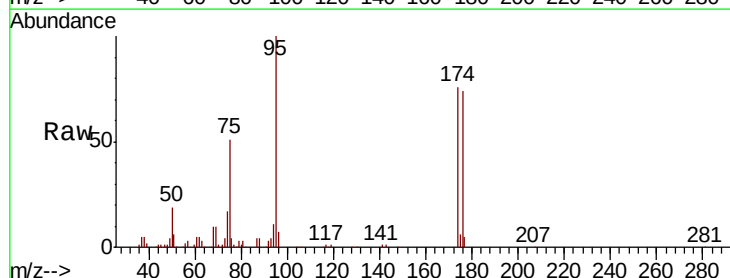
Tgt Ion: 75 Resp: 62338

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

