

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060320\
 Data File : VN061641.D
 Acq On : 3 Jun 2020 16:39
 Operator : JC/MD
 Sample : L2840-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-OIL

Quant Time: Jun 04 08:27:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	289027	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	516985	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	521394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	256575	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	173420	50.36	ug/l	0.00
Spiked Amount			Recovery	=	100.72%	
35) Dibromofluoromethane	7.54	113	142448	54.32	ug/l	0.00
Spiked Amount			Recovery	=	108.64%	
50) Toluene-d8	10.06	98	626194	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.37	95	245205	55.30	ug/l	0.00
Spiked Amount			Recovery	=	110.60%	

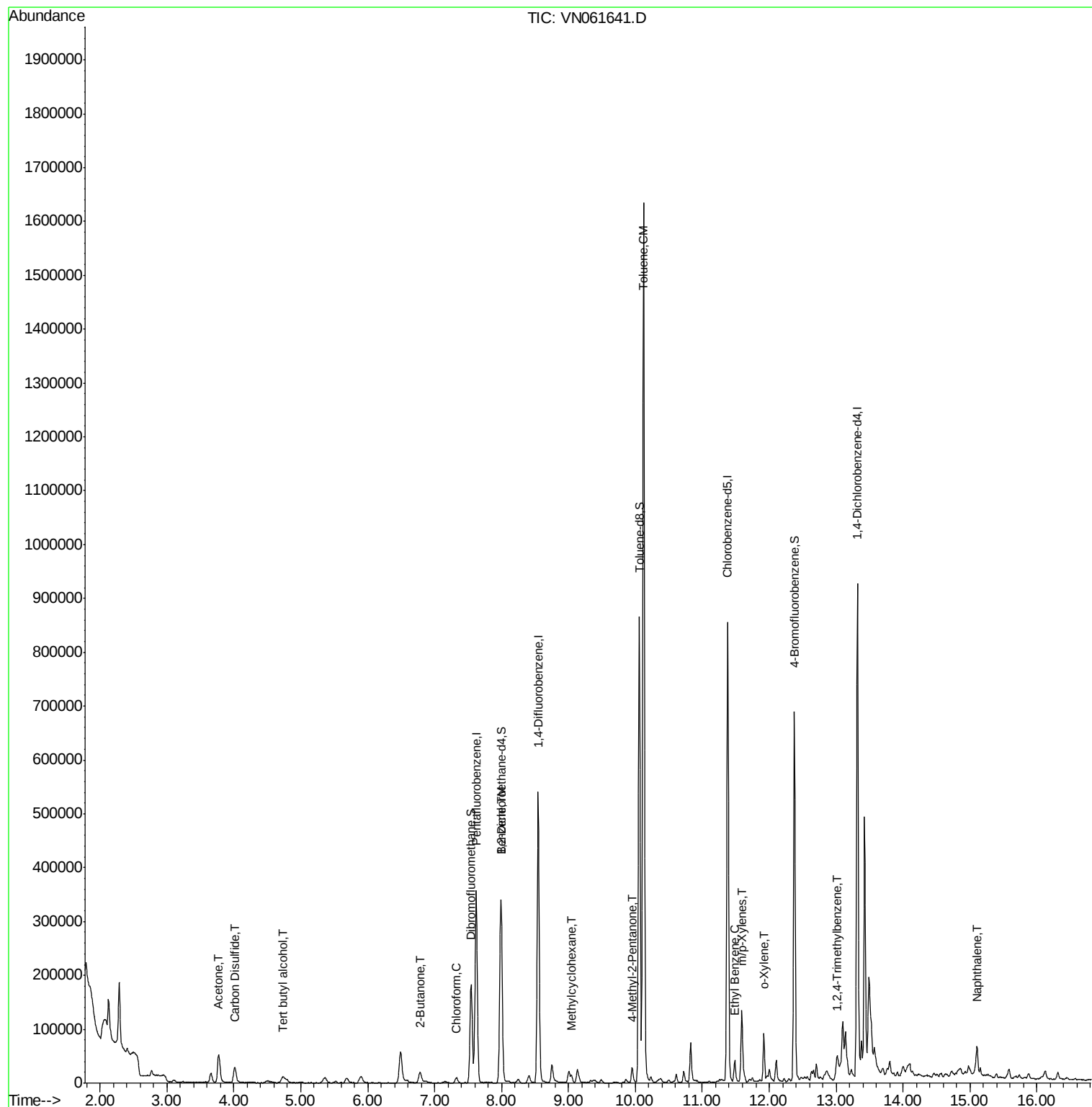
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.73	59	21408	46.739	ug/l #	85
16) Acetone	3.77	43	88186	88.926	ug/l	97
17) Carbon Disulfide	4.01	76	30254	4.656	ug/l #	94
25) 2-Butanone	6.79	43	28469	17.444	ug/l	95
30) Chloroform	7.33	83	10324	1.729	ug/l	89
39) Methylcyclohexane	9.05	83	6246	1.107	ug/l	89
40) Benzene	8.00	78	205140	14.527	ug/l	99
51) 4-Methyl-2-Pentanone	9.95	43	21542	5.764	ug/l	89
52) Toluene	10.12	92	765089	83.012	ug/l	99
67) Ethyl Benzene	11.48	91	25623	1.368	ug/l	100
68) m/p-Xylenes	11.59	106	44447	5.984	ug/l	96
69) o-Xylene	11.92	106	20298	2.877	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	29049	1.868	ug/l	81
95) Naphthalene	15.10	128	46695	3.243	ug/l	97

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

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VN061641.D

Acq: 3 Jun 2020 16:39

Instrument :

MSVOA_N

ClientSampleId :

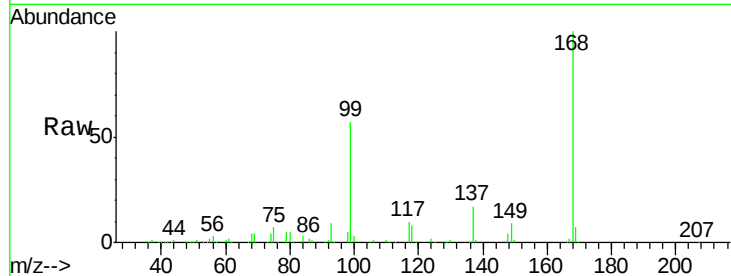
TOTE-OIL

Tot Ion:168 Resp: 289027

Ion Ratio Lower Upper

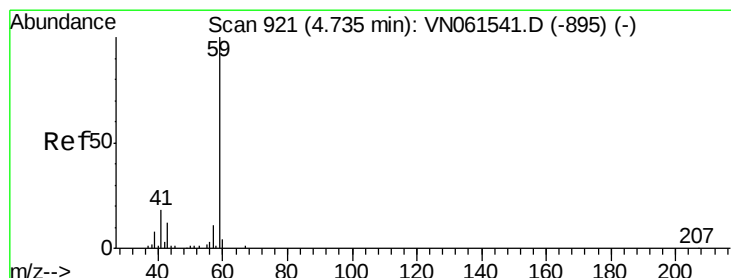
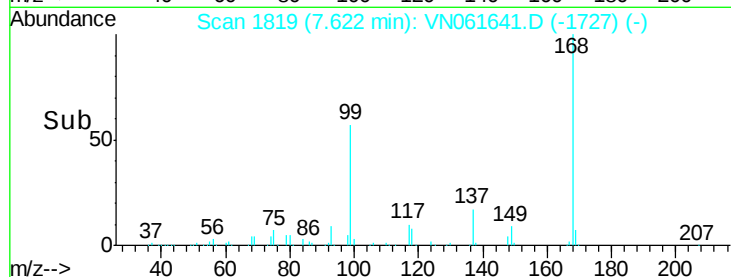
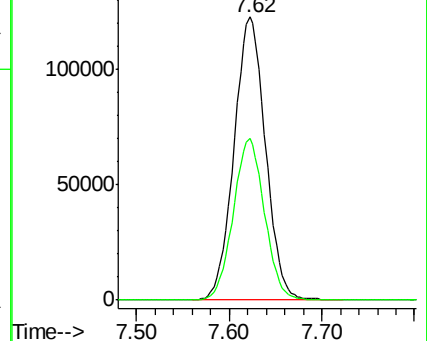
168 100

99 57.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 46.739 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN061641.D

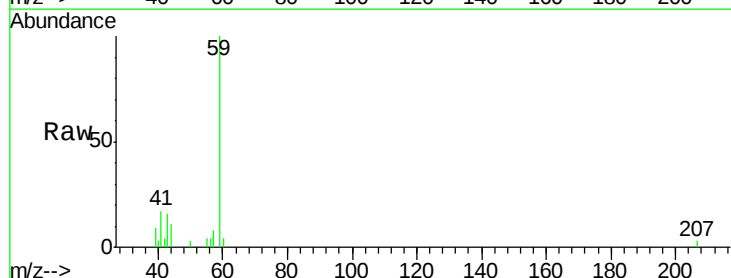
Acq: 3 Jun 2020 16:39

Tgt Ion: 59 Resp: 21408

Ion Ratio Lower Upper

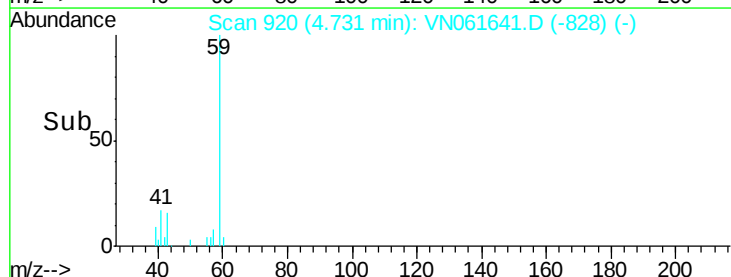
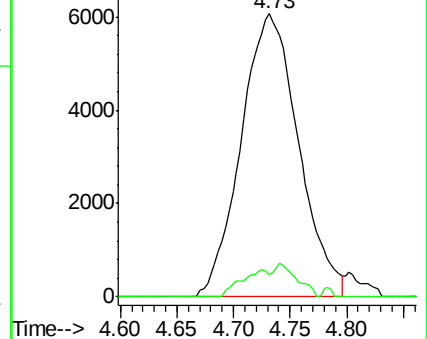
59 100

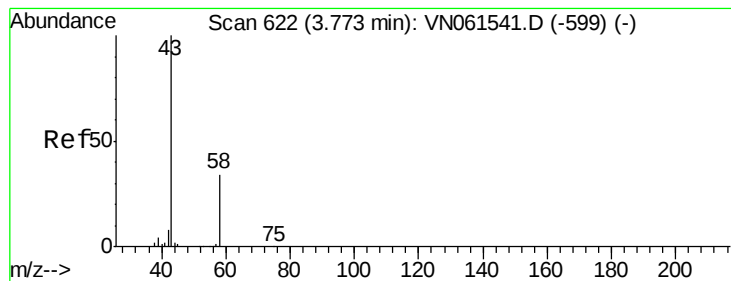
57 4.7 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#16

Acetone

Concen: 88.926 ug/l

RT: 3.77 min Scan# 621

Delta R.T. -0.00 min

Lab File: VN061641.D

Acq: 3 Jun 2020 16:39

Instrument :

MSVOA_N

ClientSampled :

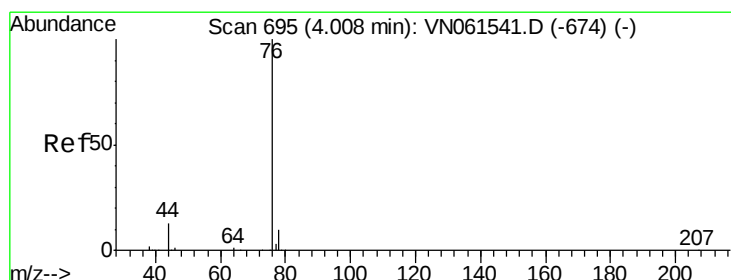
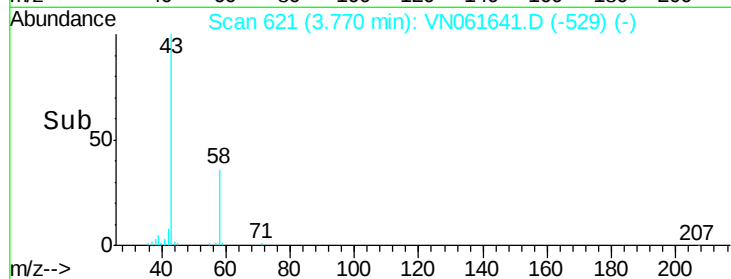
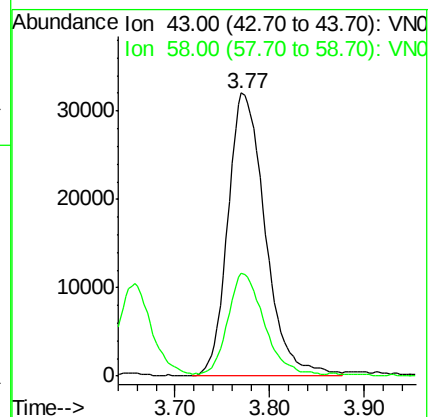
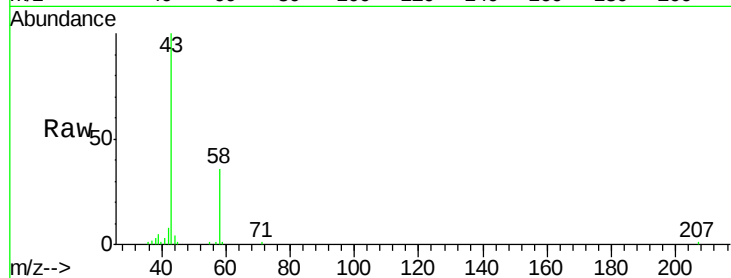
TOTE-OIL

Tot Ion: 43 Resp: 88186

Ion Ratio Lower Upper

43 100

58 35.5 27.2 40.8



#17

Carbon Disulfide

Concen: 4.656 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN061641.D

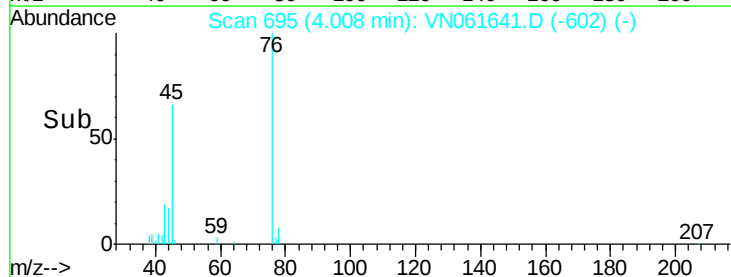
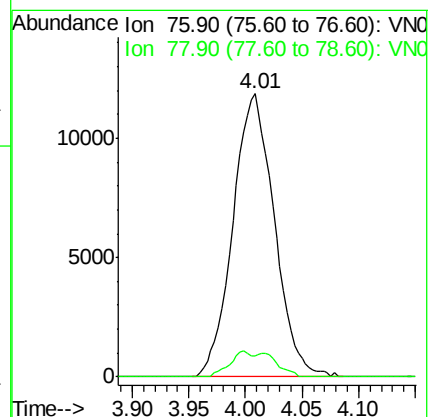
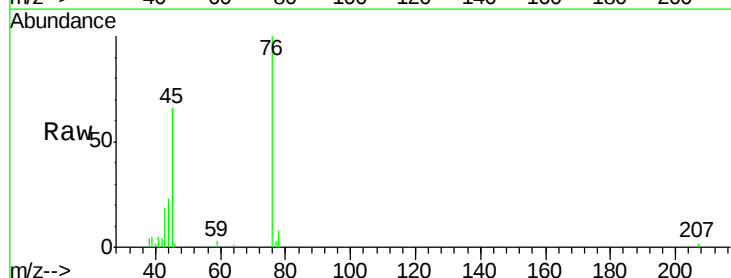
Acq: 3 Jun 2020 16:39

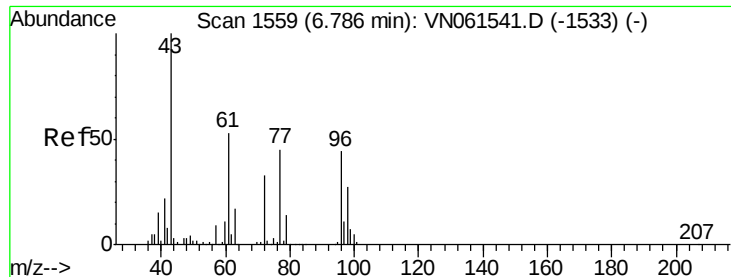
Tgt Ion: 76 Resp: 30254

Ion Ratio Lower Upper

76 100

78 7.5 7.8 11.6#





#25

2-Butanone

Concen: 17.444 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN061641.D

Acq: 3 Jun 2020 16:39

Instrument :

MSVOA_N

ClientSampleId :

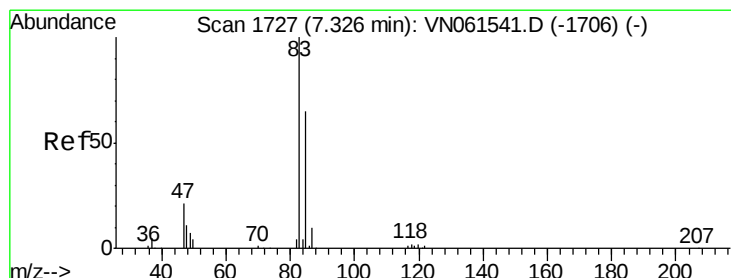
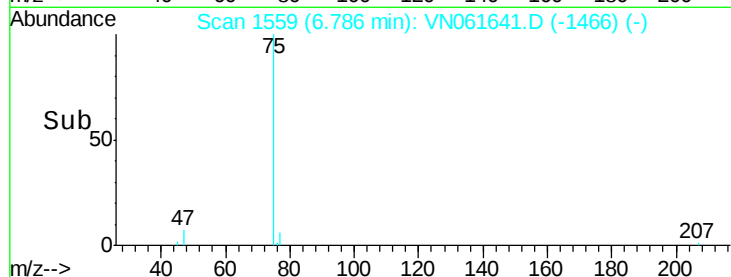
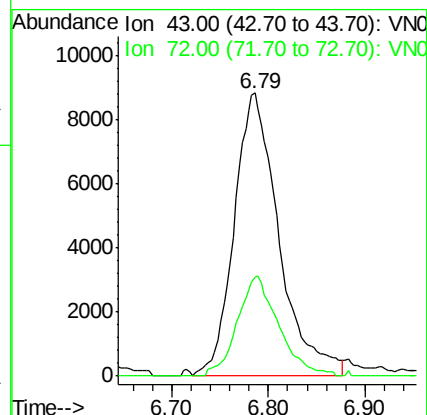
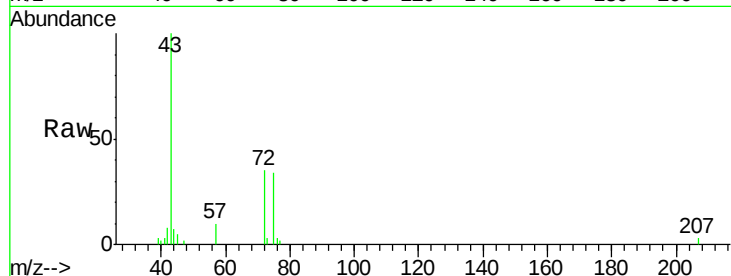
TOTE-OIL

Tot Ion: 43 Resp: 28469

Ion Ratio Lower Upper

43 100

72 35.2 26.0 39.0



#30

Chloroform

Concen: 1.729 ug/l

RT: 7.33 min Scan# 1727

Delta R.T. 0.00 min

Lab File: VN061641.D

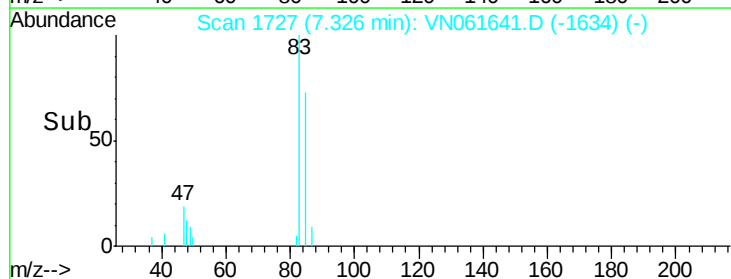
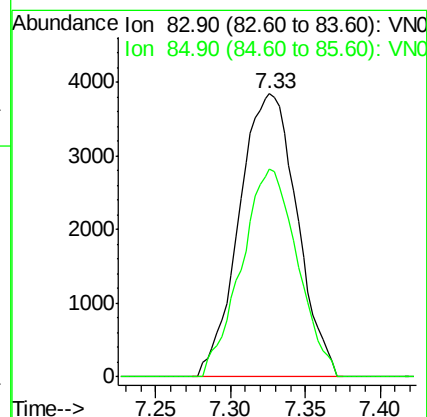
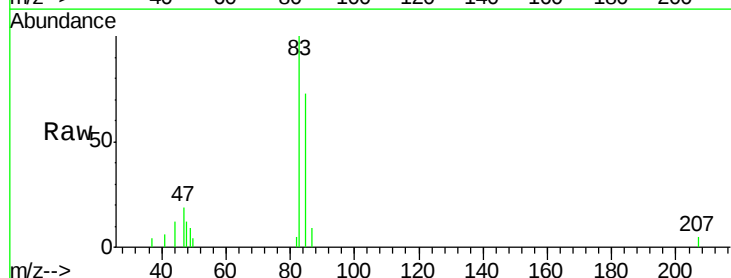
Acq: 3 Jun 2020 16:39

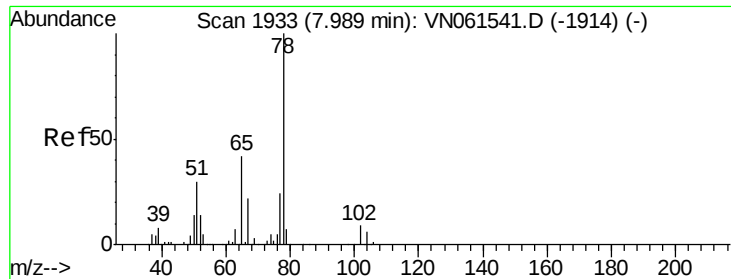
Tgt Ion: 83 Resp: 10324

Ion Ratio Lower Upper

83 100

85 73.4 51.7 77.5





#33

1,2-Dichloroethane-d4

Concen: 50.360 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061641.D

Acq: 3 Jun 2020 16:39

Instrument :

MSVOA_N

ClientSampleId :

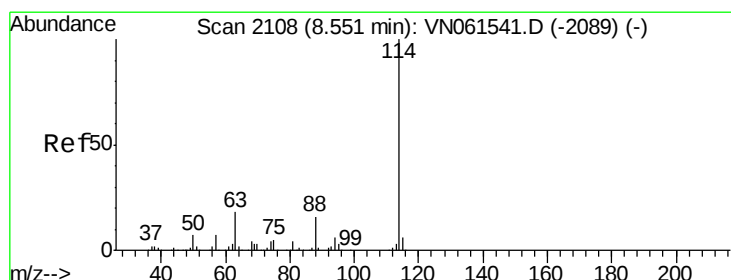
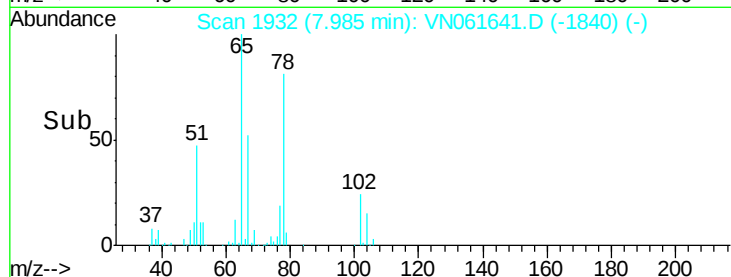
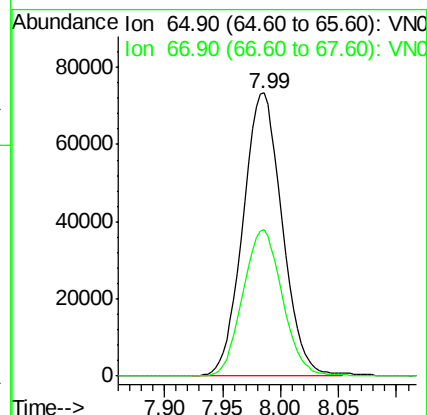
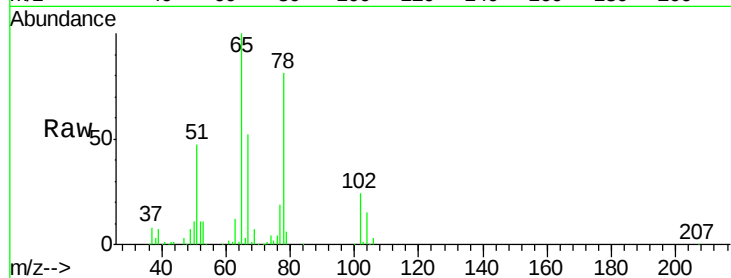
TOTE-OIL

Tot Ion: 65 Resp: 173420

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN061641.D

Acq: 3 Jun 2020 16:39

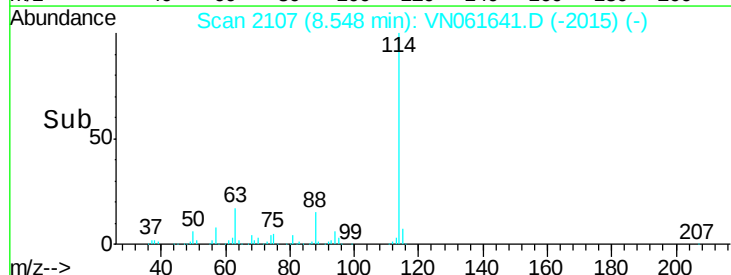
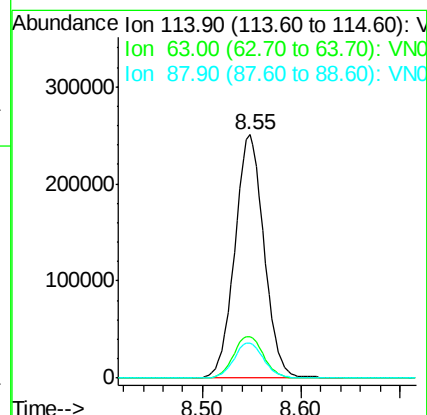
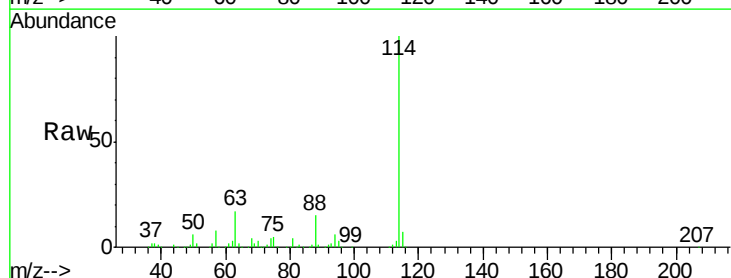
Tgt Ion: 114 Resp: 516985

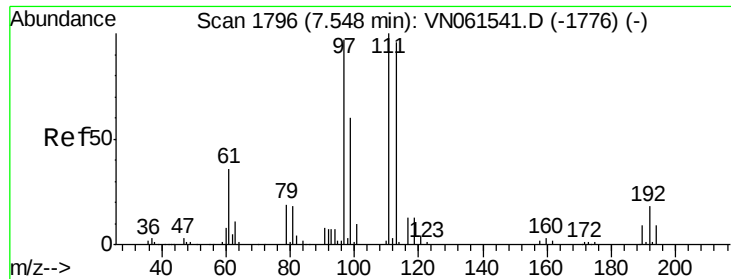
Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.8

88 14.5 0.0 31.0

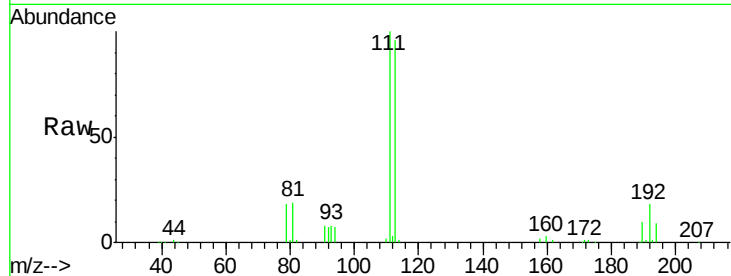




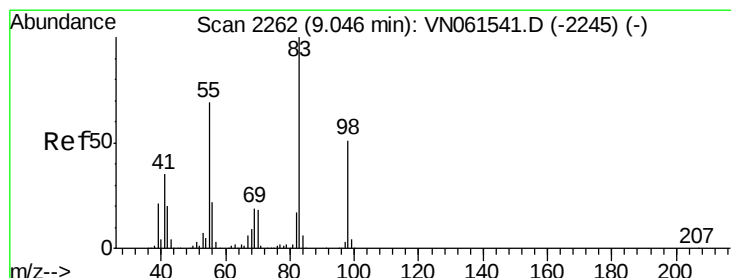
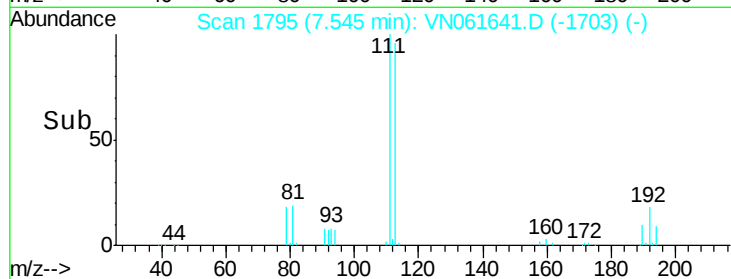
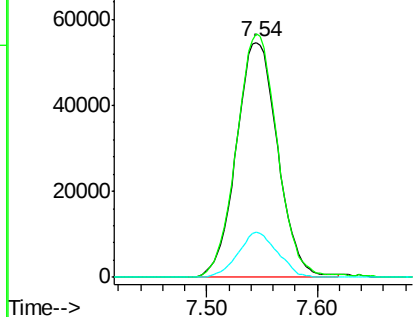
#35
Dibromofluoromethane
Concen: 54.316 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN061641.D
Acq: 3 Jun 2020 16:39

Instrument :
MSVOA_N
ClientSampled :
TOTE-OIL

Tot Ion:113 Resp: 142448
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.0
192 18.2 15.4 23.2

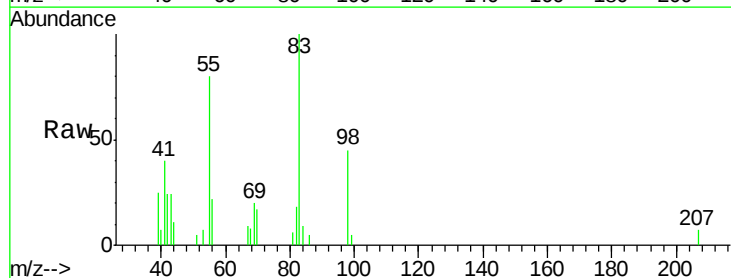


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

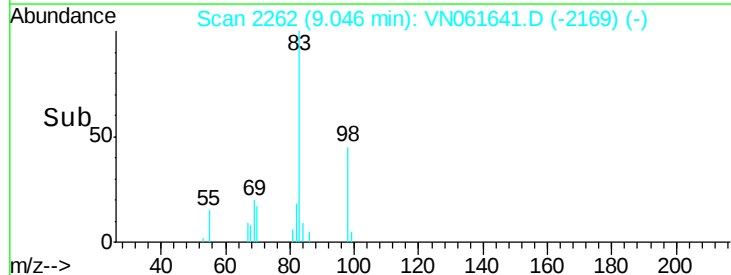
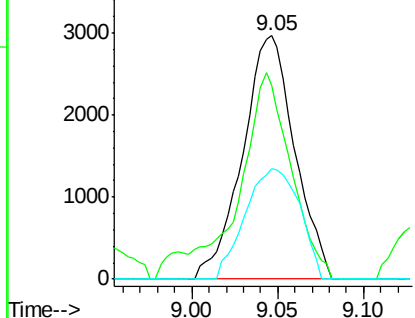


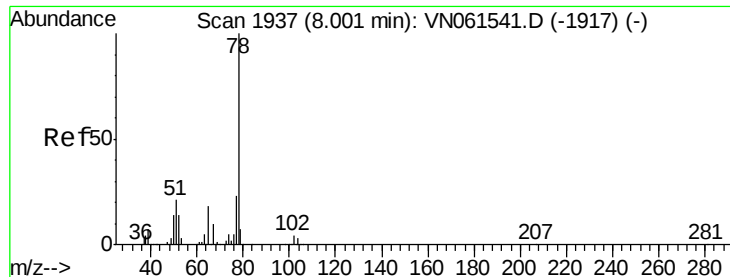
#39
Methylcyclohexane
Concen: 1.107 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN061641.D
Acq: 3 Jun 2020 16:39

Tgt Ion: 83 Resp: 6246
Ion Ratio Lower Upper
83 100
55 79.5 54.9 82.3
98 45.2 41.0 61.4



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 14.527 ug/l

RT: 8.00 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VN061641.D

Acq: 3 Jun 2020 16:39

Instrument :

MSVOA_N

ClientSampleId :

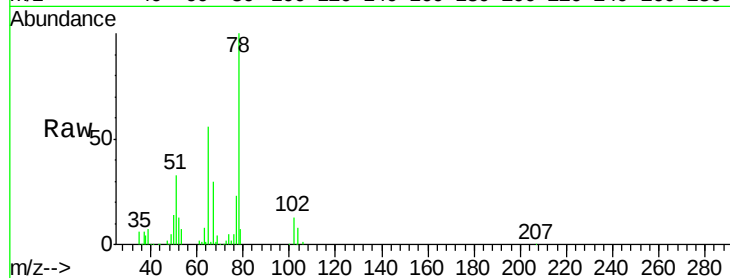
TOTE-OIL

Tot Ion: 78 Resp: 205140

Ion Ratio Lower Upper

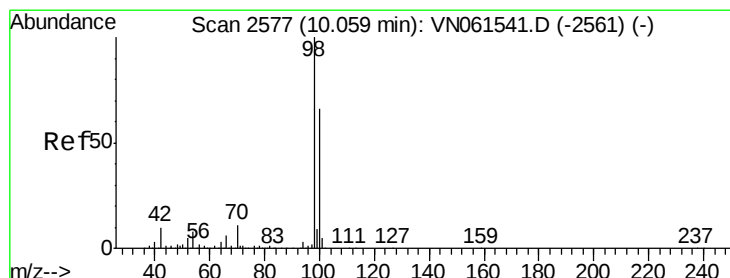
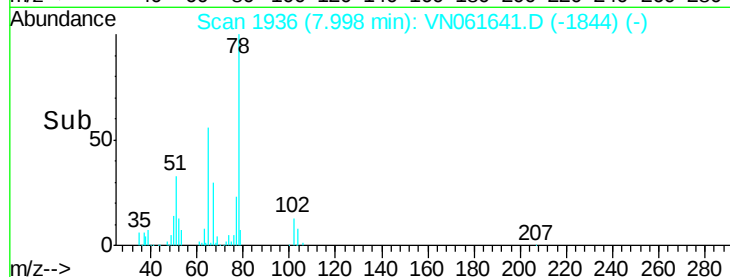
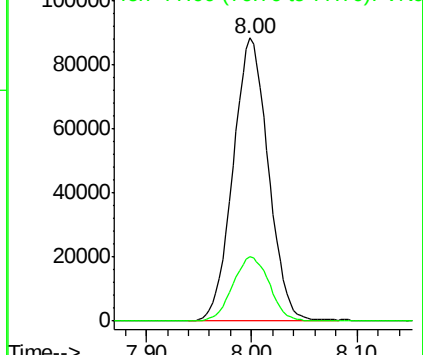
78 100

77 22.8 18.6 28.0



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 51.524 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061641.D

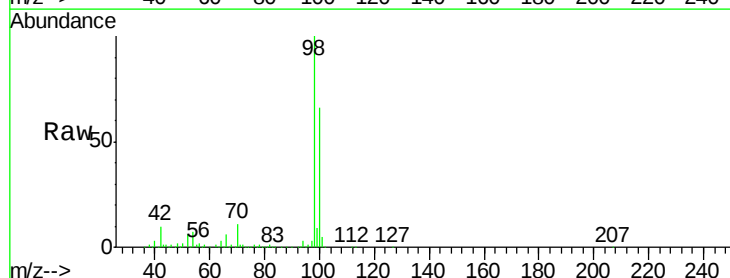
Acq: 3 Jun 2020 16:39

Tgt Ion: 98 Resp: 626194

Ion Ratio Lower Upper

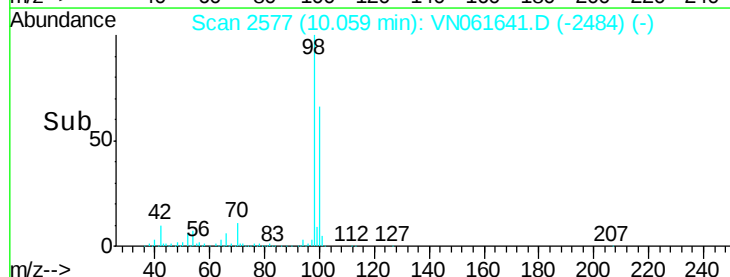
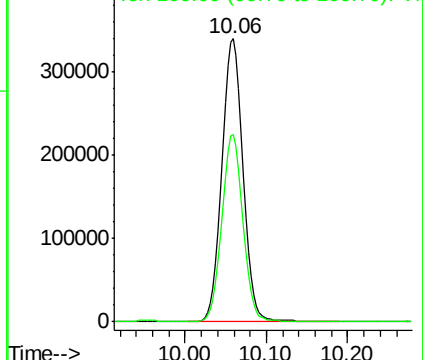
98 100

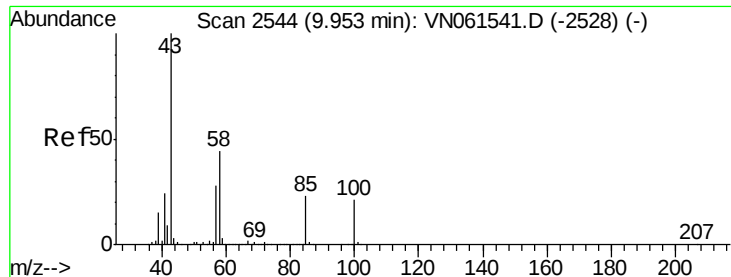
100 66.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

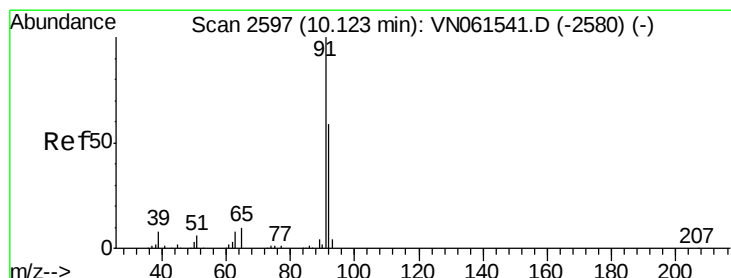
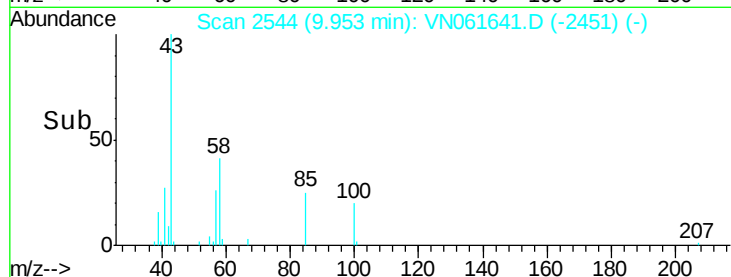
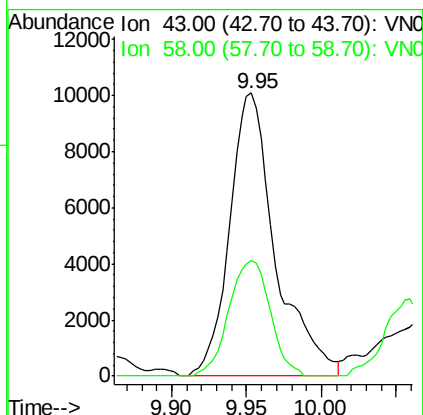
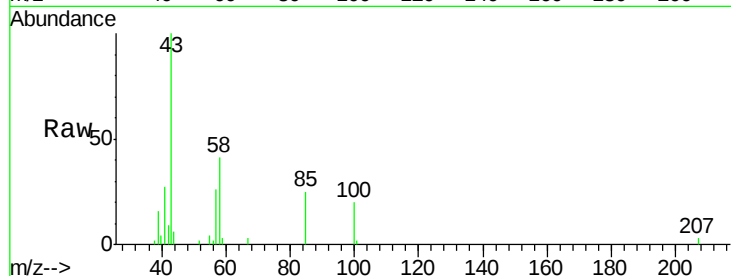




#51
4-Methyl-2-Pentanone
Concen: 5.764 ug/l
RT: 9.95 min Scan# 2544
Delta R.T. 0.00 min
Lab File: VN061641.D
Acq: 3 Jun 2020 16:39

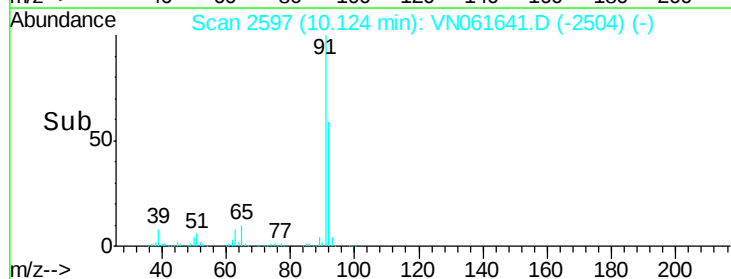
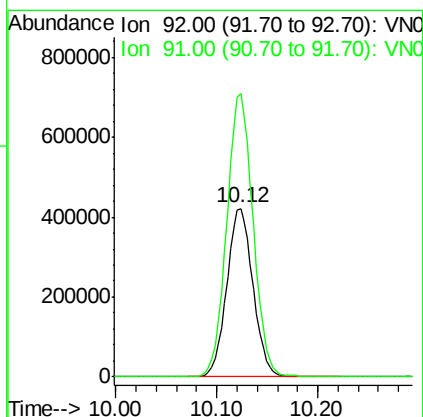
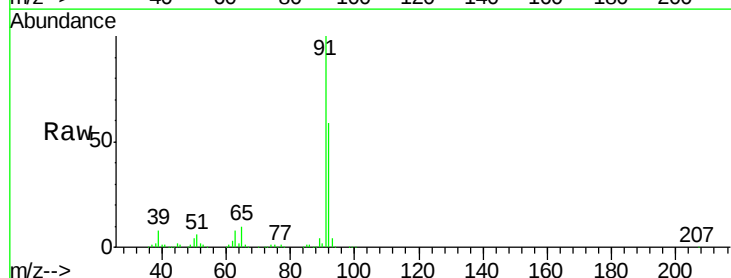
Instrument :
MSVOA_N
ClientSampled :
TOTE-OIL

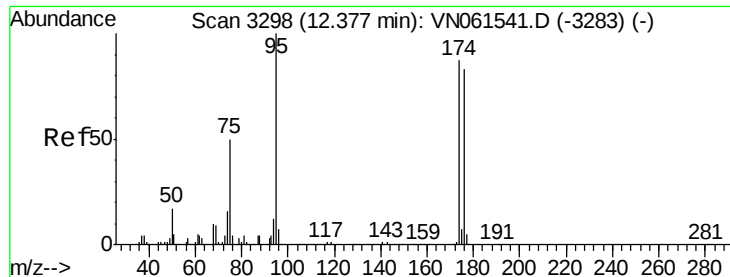
Tot Ion: 43 Resp: 21542
Ion Ratio Lower Upper
43 100
58 36.9 35.0 52.6



#52
Toluene
Concen: 83.012 ug/l
RT: 10.12 min Scan# 2597
Delta R.T. 0.00 min
Lab File: VN061641.D
Acq: 3 Jun 2020 16:39

Tgt Ion: 92 Resp: 765089
Ion Ratio Lower Upper
92 100
91 169.1 136.4 204.6

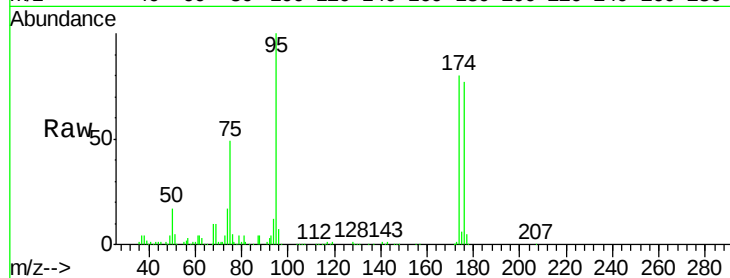




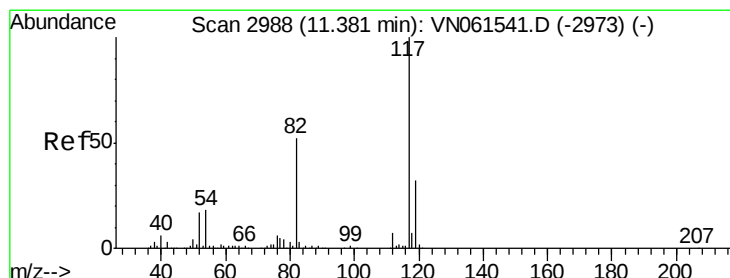
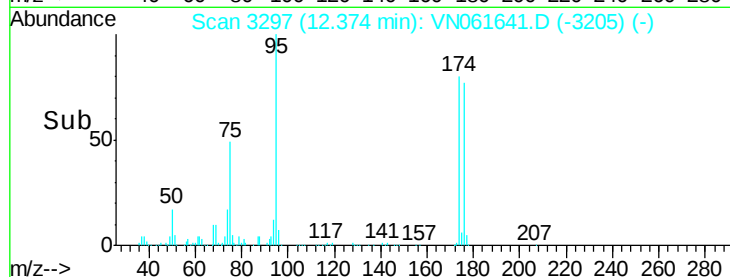
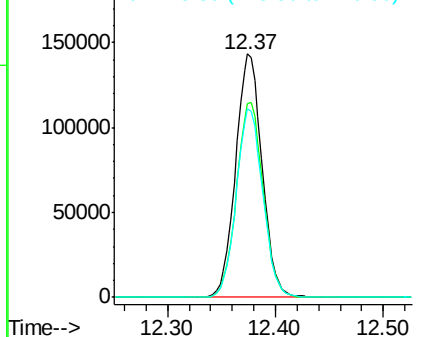
#62
4-Bromofluorobenzene
Concen: 55.302 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. -0.00 min
Lab File: VN061641.D
Acq: 3 Jun 2020 16:39

Instrument :
MSVOA_N
ClientSampleId :
TOTE-OIL

Tot Ion: 95 Resp: 245205
Ion Ratio Lower Upper
95 100
174 80.7 0.0 172.8
176 77.8 0.0 164.8

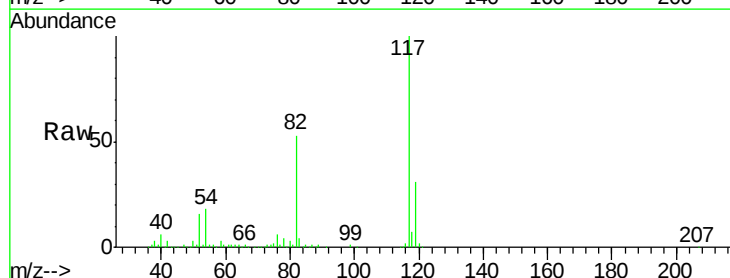


Abundance Ion 94.90 (94.60 to 95.60): VN061641.D (-3283) (-)
Ion 173.80 (173.50 to 174.50): VN061641.D (-3283) (-)
Ion 175.80 (175.50 to 176.50): VN061641.D (-3283) (-)

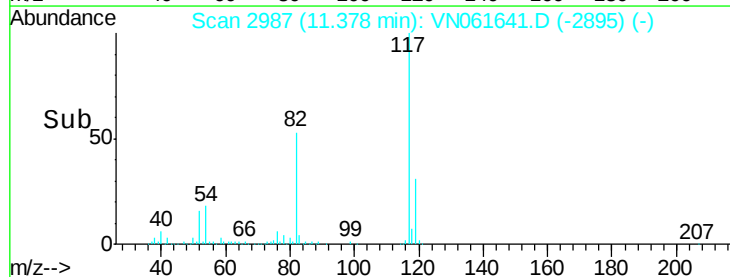
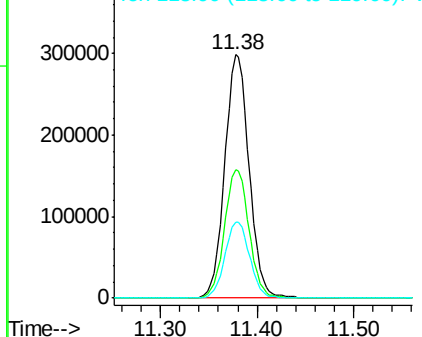


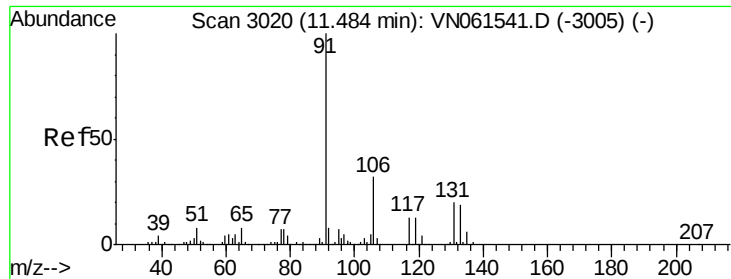
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2987
Delta R.T. -0.00 min
Lab File: VN061641.D
Acq: 3 Jun 2020 16:39

Tgt Ion: 117 Resp: 521394
Ion Ratio Lower Upper
117 100
82 52.9 41.5 62.3
119 31.2 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): VN061641.D (-2973) (-)
Ion 82.00 (81.70 to 82.70): VN061641.D (-2973) (-)
Ion 118.90 (118.60 to 119.60): VN061641.D (-2973) (-)

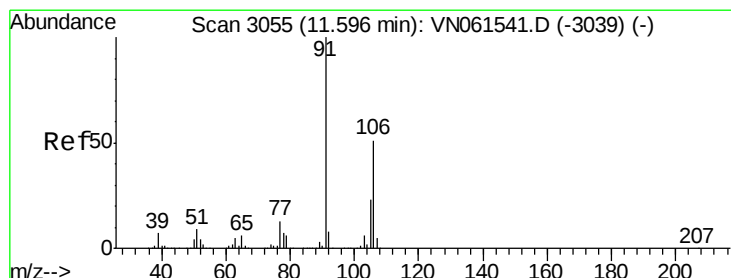
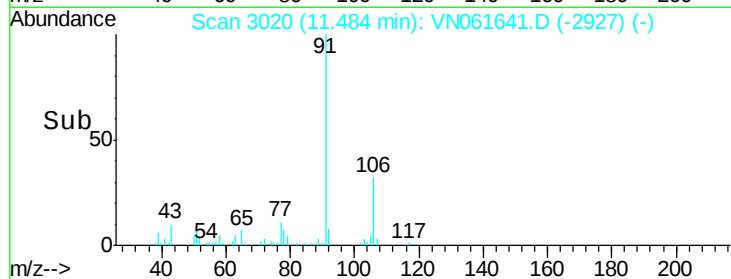
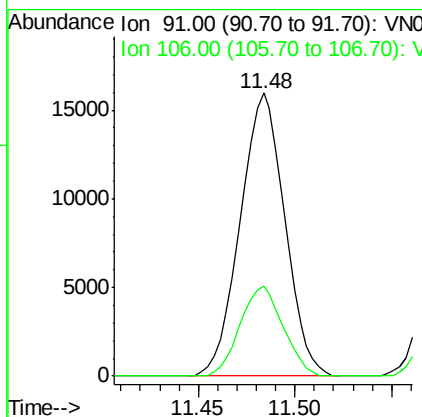
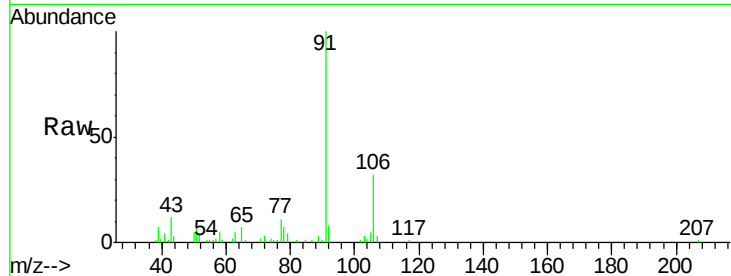




#67
Ethyl Benzene
Concen: 1.368 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN061641.D
Acq: 3 Jun 2020 16:39

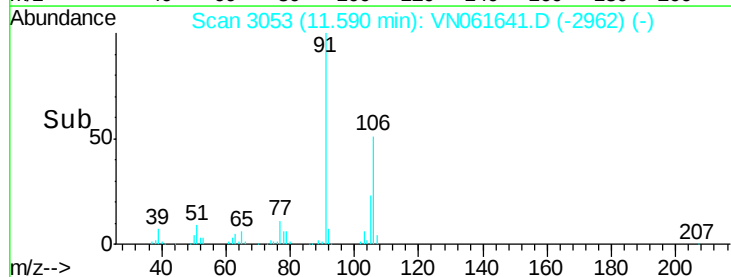
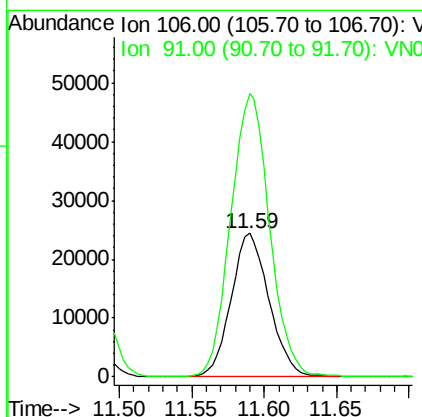
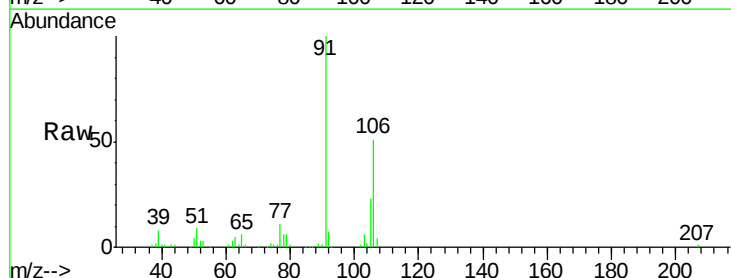
Instrument :
MSVOA_N
ClientSampled :
TOTE-OIL

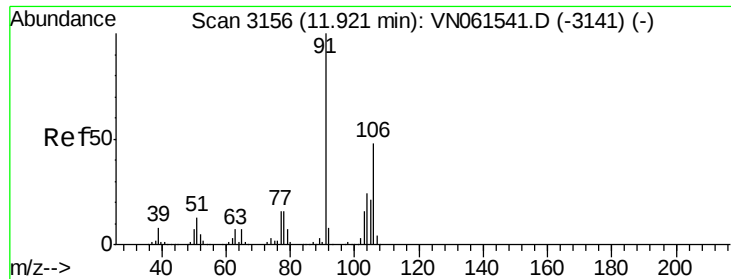
Tot Ion: 91 Resp: 25623
Ion Ratio Lower Upper
91 100
106 31.8 25.6 38.4



#68
m/p-Xylenes
Concen: 5.984 ug/l
RT: 11.59 min Scan# 3053
Delta R.T. -0.01 min
Lab File: VN061641.D
Acq: 3 Jun 2020 16:39

Tgt Ion: 106 Resp: 44447
Ion Ratio Lower Upper
106 100
91 201.9 156.2 234.4

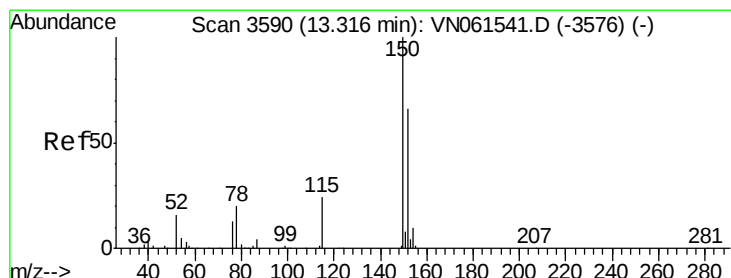
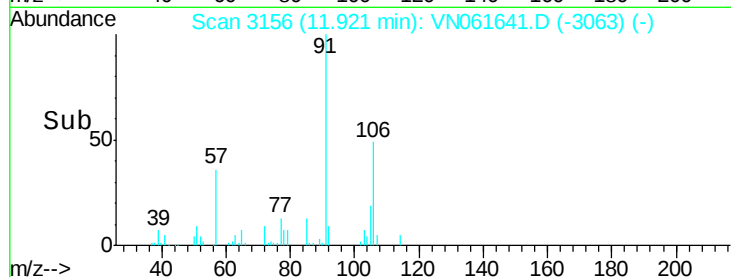
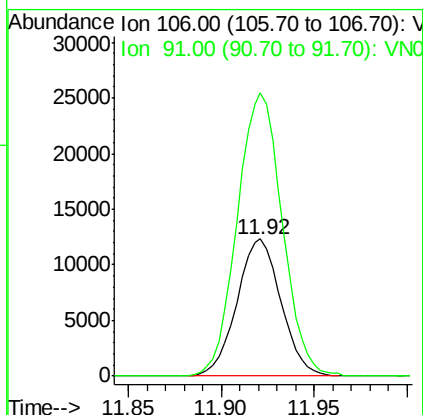
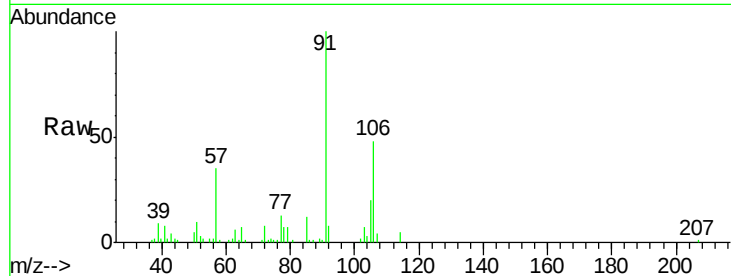




#69
o-Xylene
Concen: 2.877 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN061641.D
Acq: 3 Jun 2020 16:39

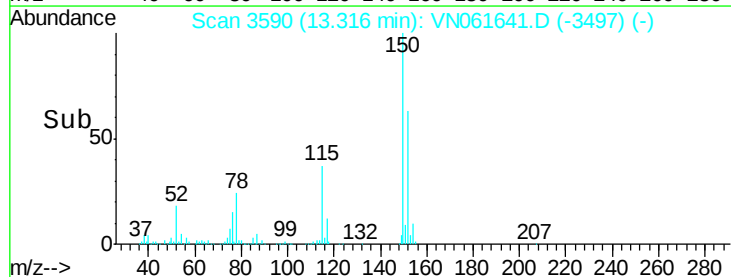
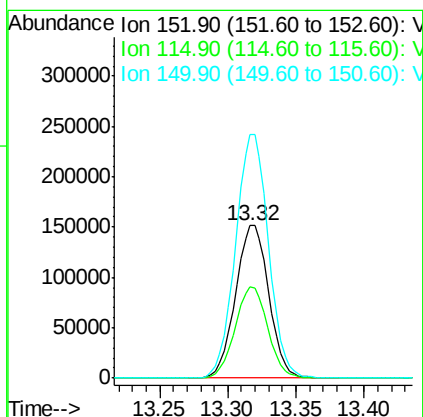
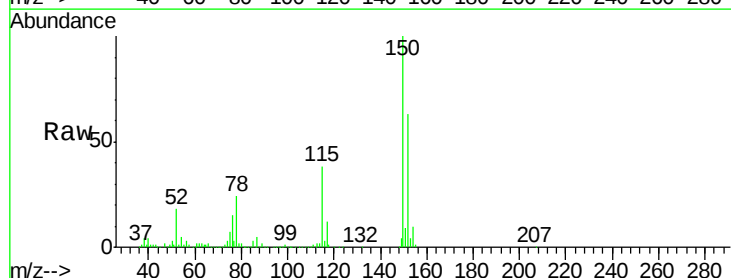
Instrument :
MSVOA_N
ClientSampleId :
TOTE-OIL

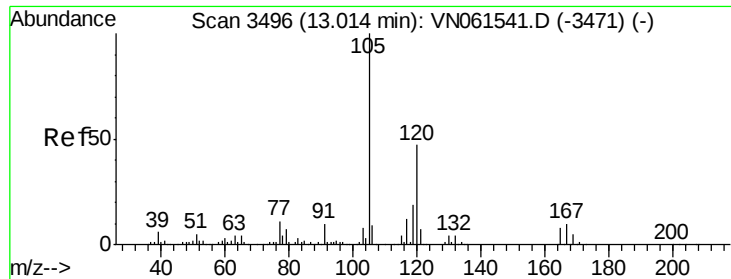
Tot Ion:106 Resp: 20298
Ion Ratio Lower Upper
106 100
91 211.0 103.3 309.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3590
Delta R.T. 0.00 min
Lab File: VN061641.D
Acq: 3 Jun 2020 16:39

Tgt Ion:152 Resp: 256575
Ion Ratio Lower Upper
152 100
115 59.1 28.0 84.0
150 158.1 0.0 344.0

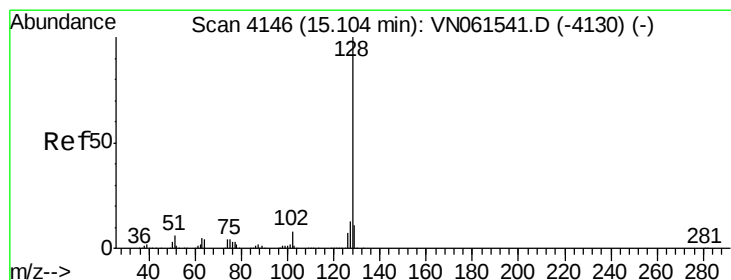
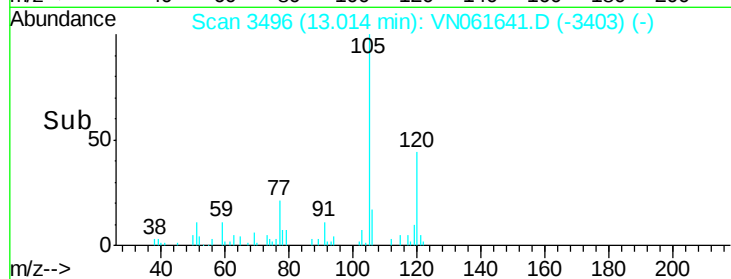
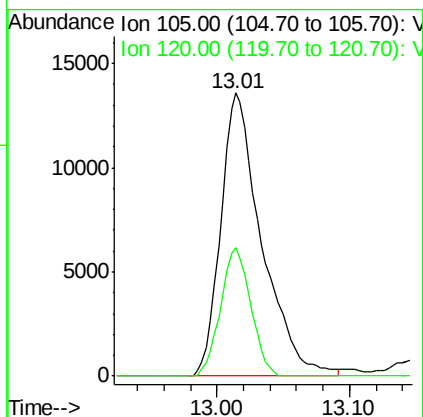
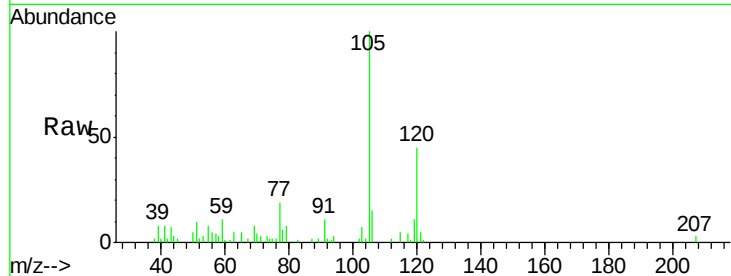




#84
 1,2,4-Trimethylbenzene
 Concen: 1.868 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN061641.D
 Acq: 3 Jun 2020 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 TOTE-OIL

Tot Ion:105 Resp: 29049
 Ion Ratio Lower Upper
 105 100
 120 33.4 23.2 69.5



#95
 Naphthalene
 Concen: 3.243 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN061641.D
 Acq: 3 Jun 2020 16:39

Tgt Ion:128 Resp: 46695
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.0 15.0
 129 11.8 8.5 12.7

