

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071422\
 Data File : VN073469.D
 Acq On : 14 Jul 2022 18:42
 Operator : JC\MD
 Sample : N3697-01 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PIPELINE-PIGGING-TK2045L

Quant Time: Jul 15 02:03:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

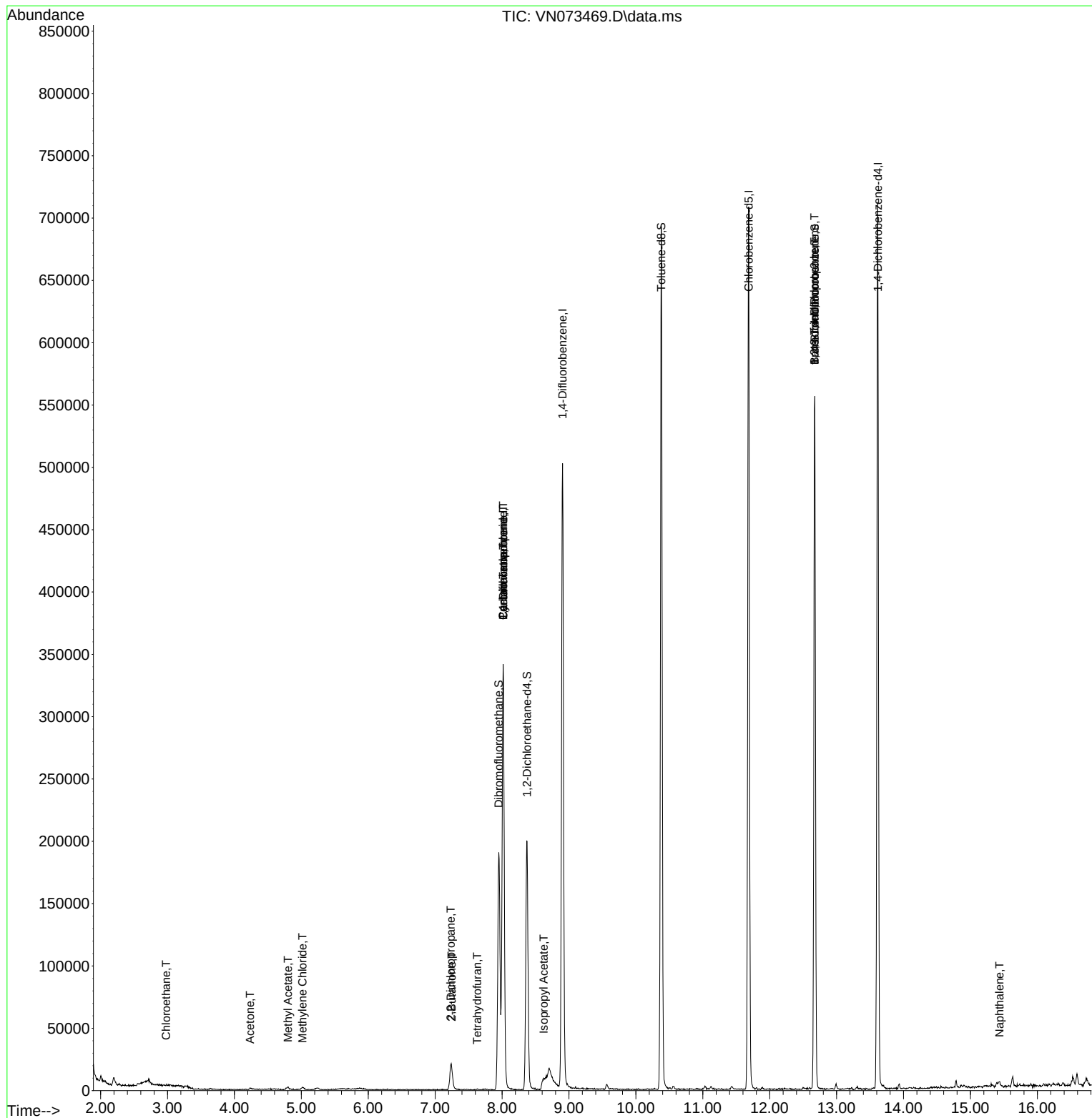
Internal Standards						
1) Pentafluorobenzene	8.016	168	249769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	440158	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	396947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	188359	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	169837	47.102	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.200%		
35) Dibromofluoromethane	7.951	113	140751	48.064	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.120%		
50) Toluene-d8	10.380	98	455486	43.793	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	87.580%		
62) 4-Bromofluorobenzene	12.674	95	197051	49.300	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.600%		
Target Compounds						Qvalue
6) Chloroethane	2.981	64	369	0.208	ug/l #	42
16) Acetone	4.234	43	1783	0.881	ug/l #	79
18) Methyl Acetate	4.798	43	4459	0.786	ug/l #	48
20) Methylene Chloride	5.016	84	1402	0.394	ug/l #	77
25) 2-Butanone	7.245	43	1309	0.406	ug/l #	45
26) 2,2-Dichloropropane	7.234	77	1387	0.251	ug/l #	53
29) Tetrahydrofuran	7.628	42	644	0.292	ug/l #	36
31) Cyclohexane	8.016	56	6066	1.027	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	21483	4.768	ug/l #	49
38) Carbon Tetrachloride	8.016	117	26264	5.636	ug/l #	17
43) Isopropyl Acetate	8.622	43	8673	0.886	ug/l #	53
71) Bromoform	12.669	173	1905	0.788	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	105302	21.380	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	105302	58.634	ug/l #	10
95) Naphthalene	15.433	128	4361	0.300	ug/l #	92

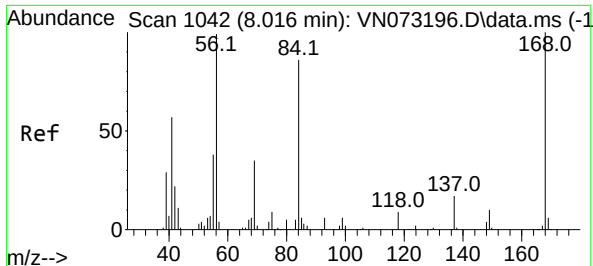
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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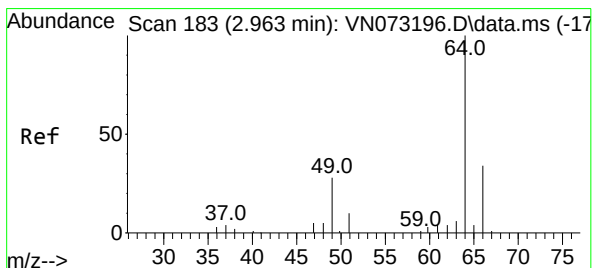
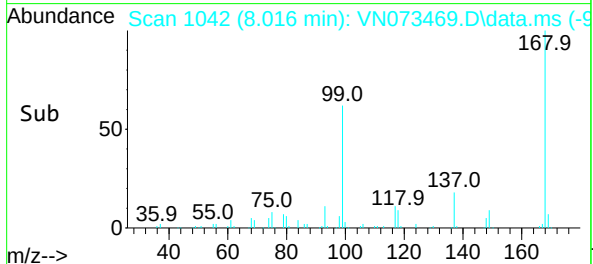
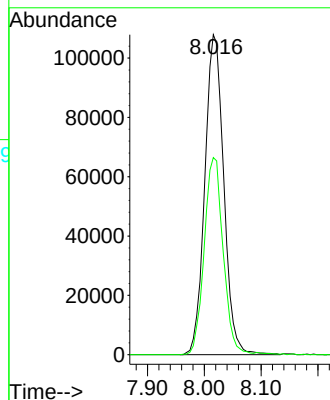
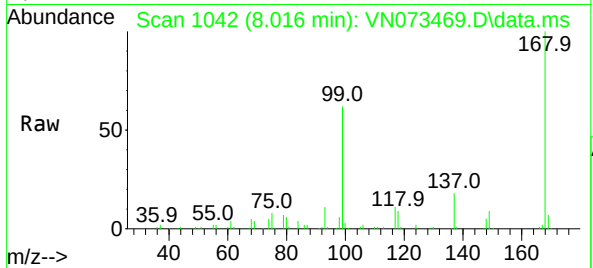




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

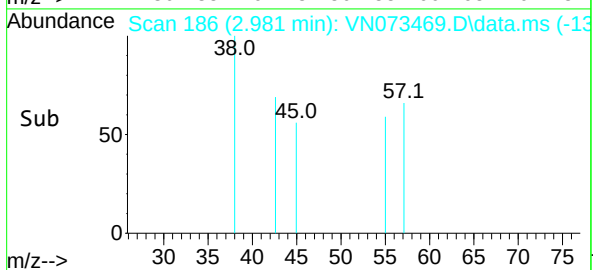
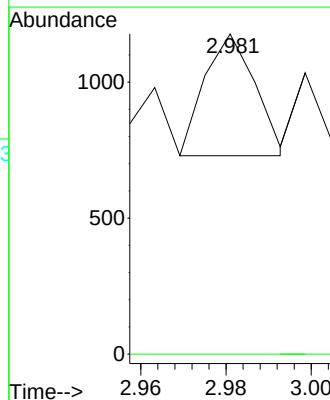
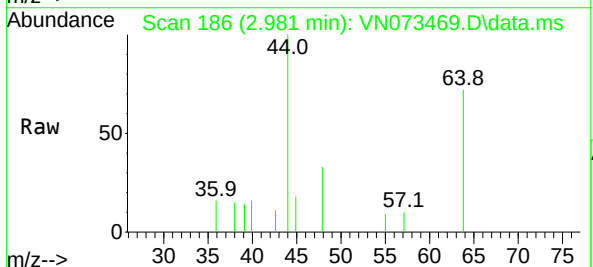
Instrument :
MSVOA_N
ClientSampleId :
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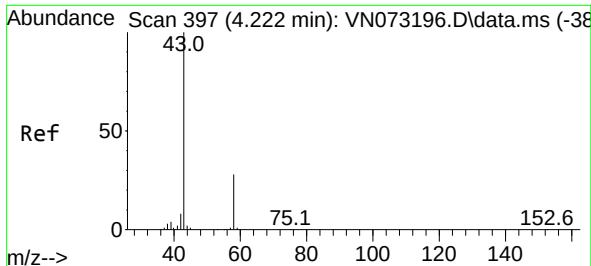
Tgt Ion:168 Resp: 249769
Ion Ratio Lower Upper
168 100
99 61.6 42.3 63.5



#6
Chloroethane
Concen: 0.208 ug/l
RT: 2.981 min Scan# 186
Delta R.T. 0.018 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

Tgt Ion: 64 Resp: 369
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

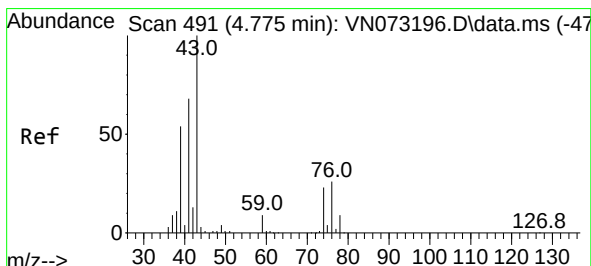
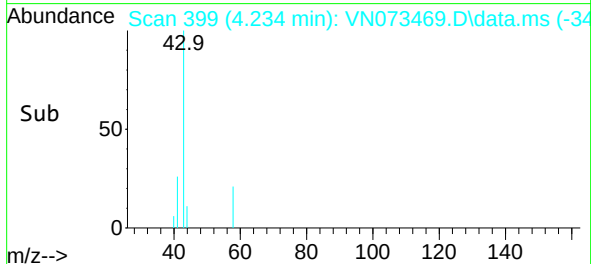
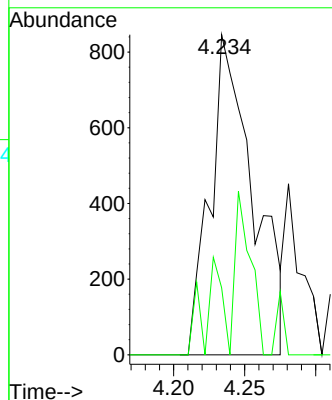
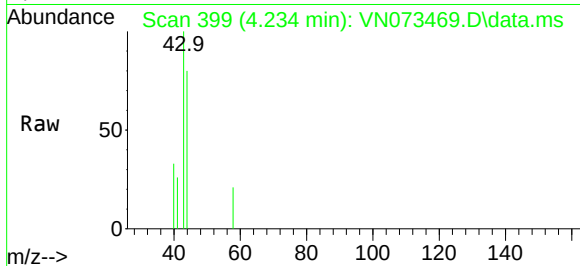




#16
Acetone
Concen: 0.881 ug/l
RT: 4.234 min Scan# 397
Delta R.T. 0.012 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

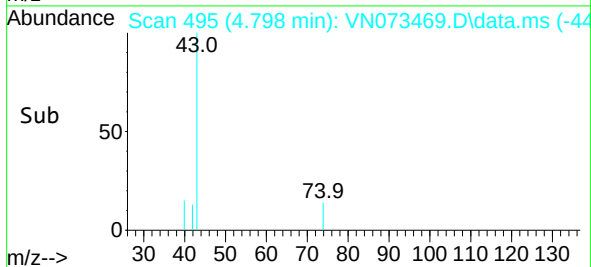
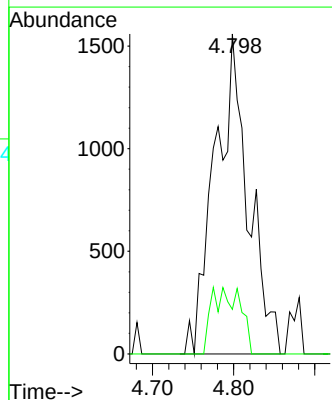
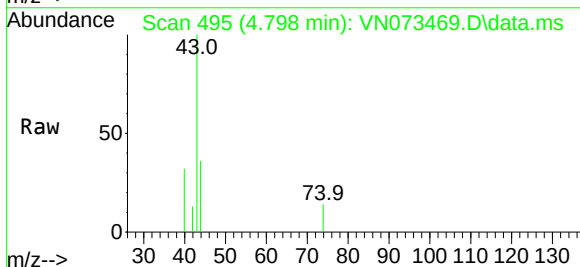
Instrument :
MSVOA_N
ClientSampleId :
PIPELINE-PIGGING-TK2045L

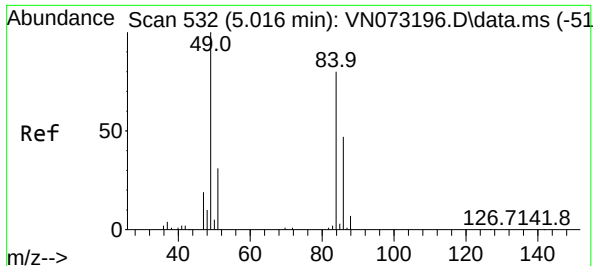
Tgt Ion: 43 Resp: 1783
Ion Ratio Lower Upper
43 100
58 20.9 26.0 39.0#



#18
Methyl Acetate
Concen: 0.786 ug/l
RT: 4.798 min Scan# 495
Delta R.T. 0.023 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

Tgt Ion: 43 Resp: 4459
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

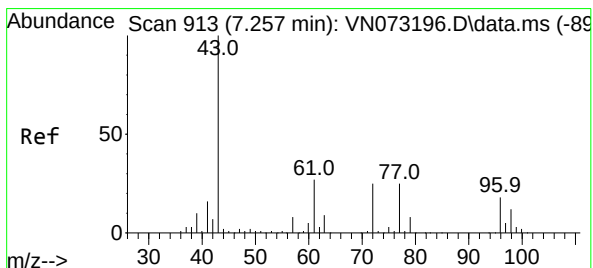
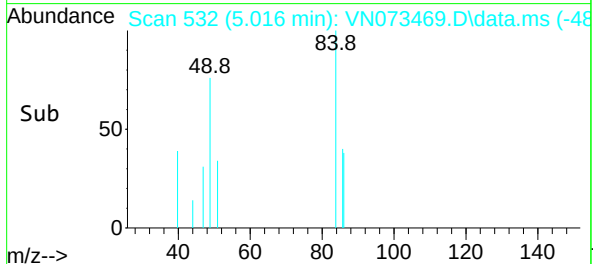
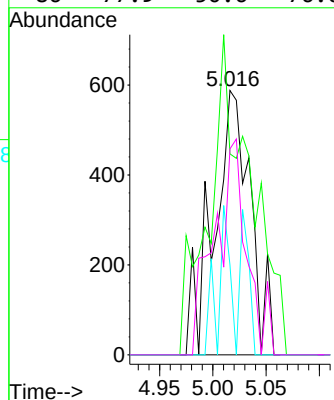
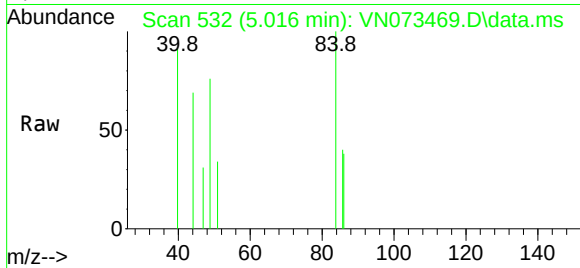




#20
Methylene Chloride
Concen: 0.394 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

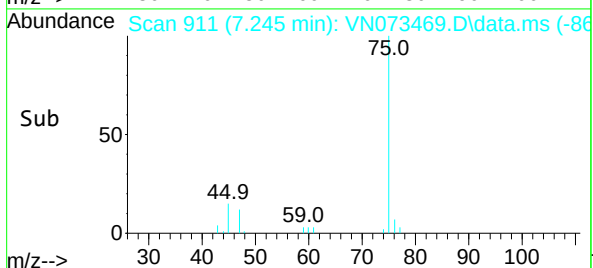
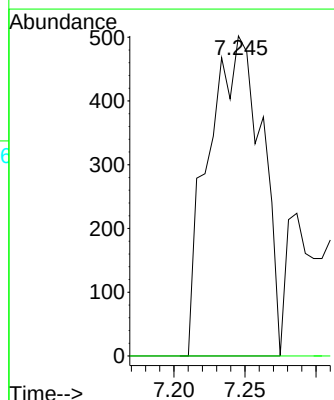
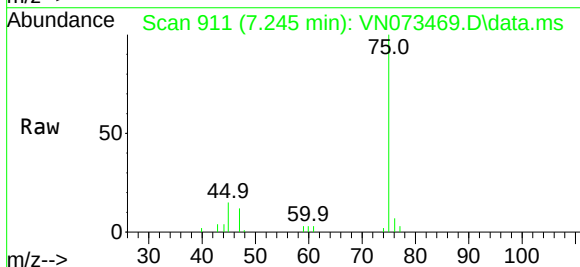
Instrument :
MSVOA_N
ClientSampleId :
PIPELINE-PIGGING-TK2045L

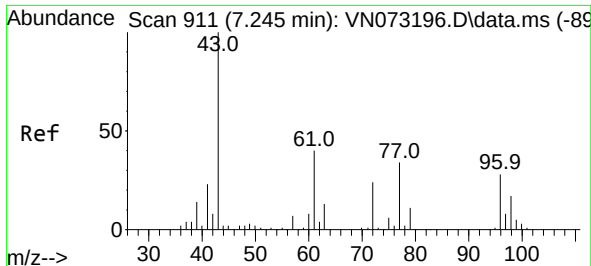
Tgt Ion: 84 Resp: 1402
Ion Ratio Lower Upper
84 100
49 76.0 88.3 132.5#
51 34.0 28.2 42.2
86 77.9 50.6 76.0#



#25
2-Butanone
Concen: 0.406 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.012 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

Tgt Ion: 43 Resp: 1309
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.251 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.011 min

Lab File: VN073469.D

Acq: 14 Jul 2022 18:42

Instrument :

MSVOA_N

ClientSampleId :

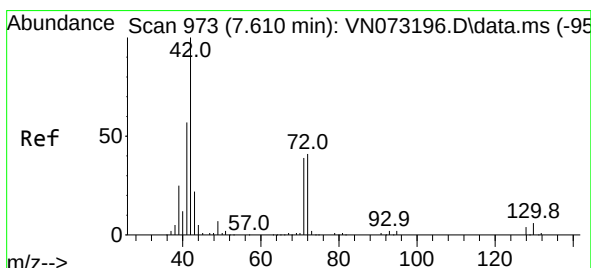
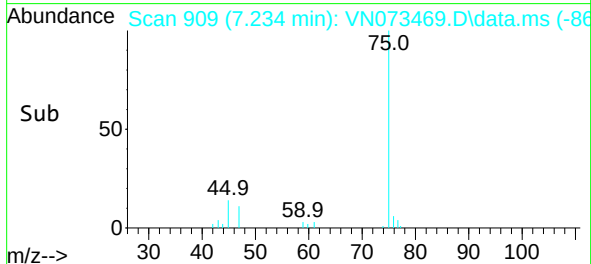
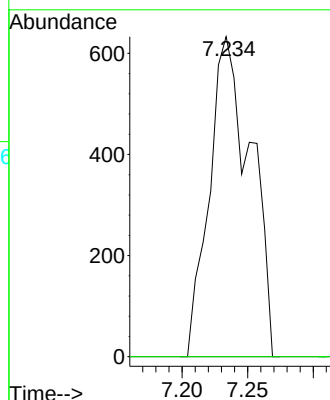
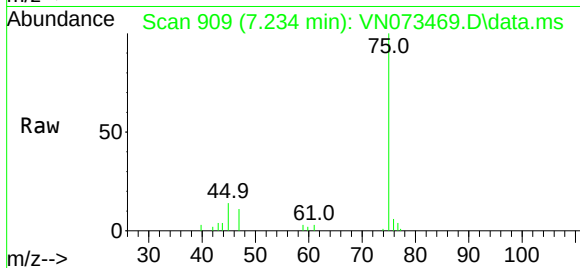
PIPELINE-PIGGING-TK2045L

Tgt Ion: 77 Resp: 1387

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 0.292 ug/l

RT: 7.628 min Scan# 976

Delta R.T. 0.018 min

Lab File: VN073469.D

Acq: 14 Jul 2022 18:42

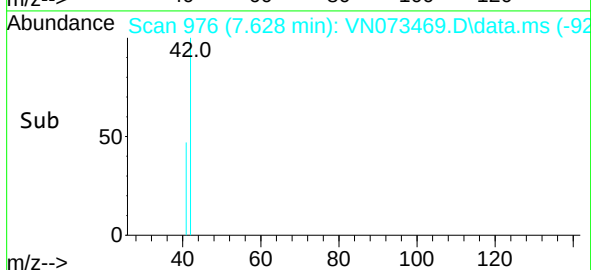
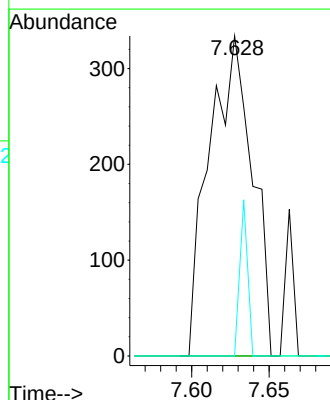
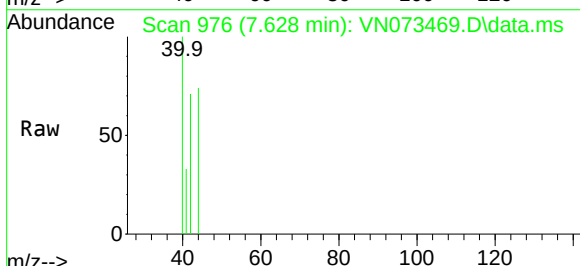
Tgt Ion: 42 Resp: 644

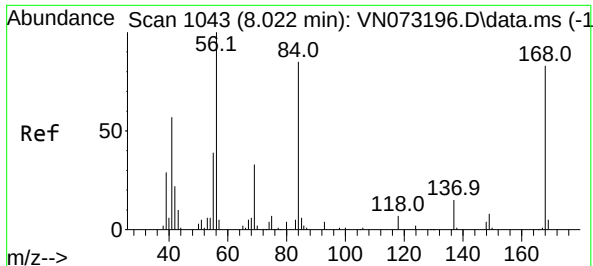
Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

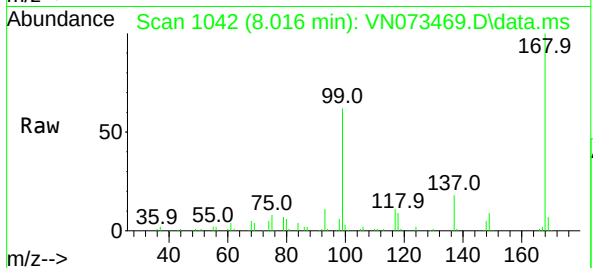
71 9.0 36.6 55.0#



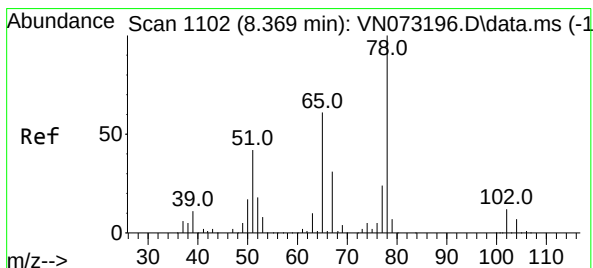
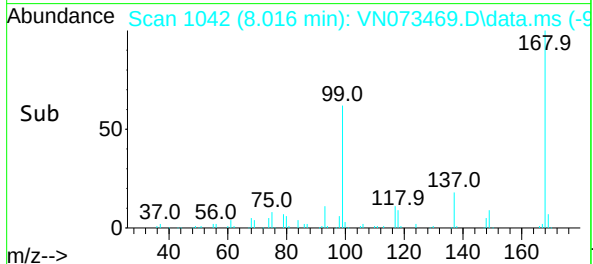
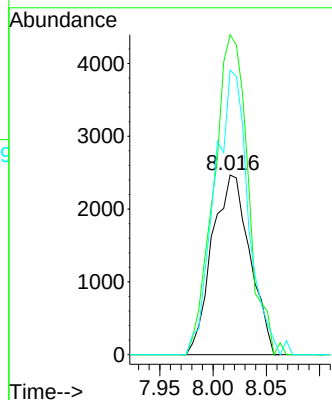


#31
Cyclohexane
Concen: 1.027 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

Instrument :
MSVOA_N
ClientSampleId :
PIPELINE-PIGGING-TK2045L

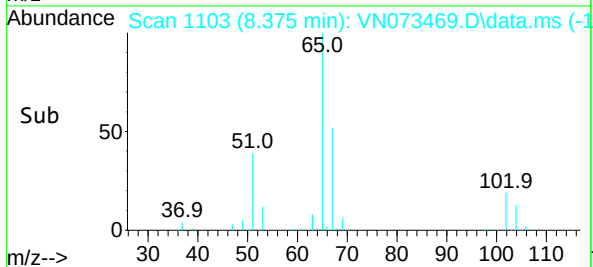
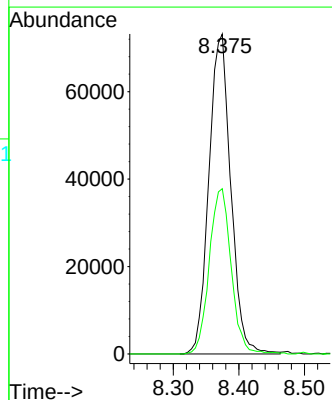
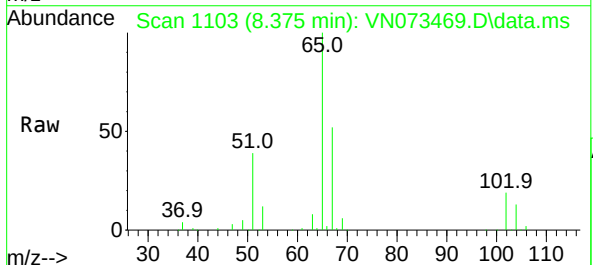


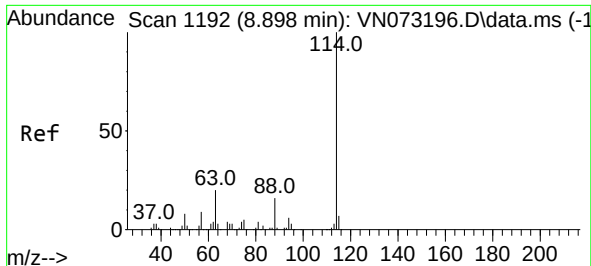
Tgt Ion: 56 Resp: 6066
Ion Ratio Lower Upper
56 100
69 178.1 27.8 41.8#
84 158.4 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.102 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

Tgt Ion: 65 Resp: 169837
Ion Ratio Lower Upper
65 100
67 51.5 0.0 104.8

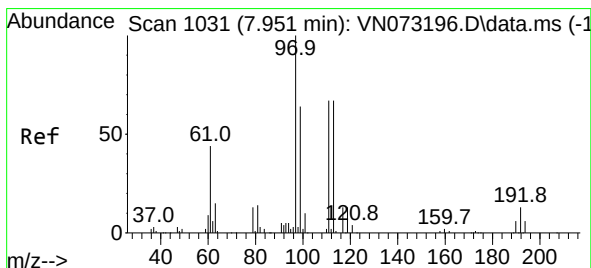
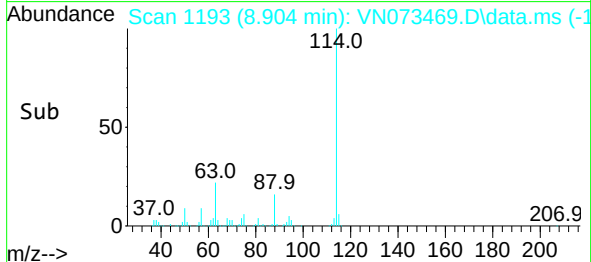
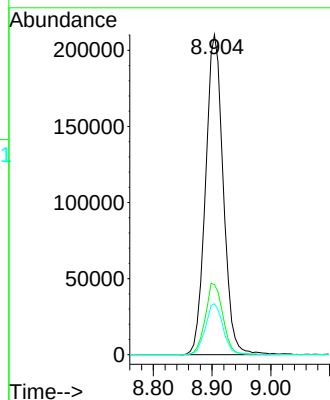
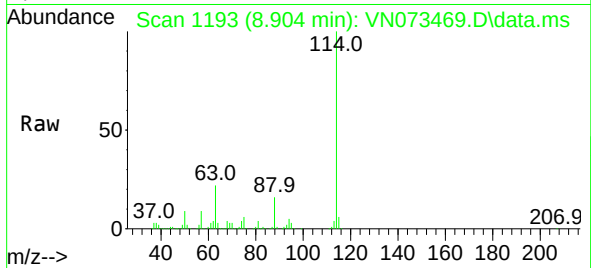




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

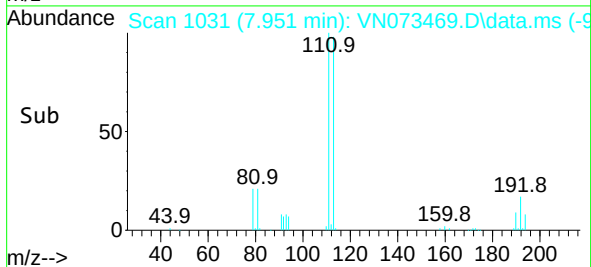
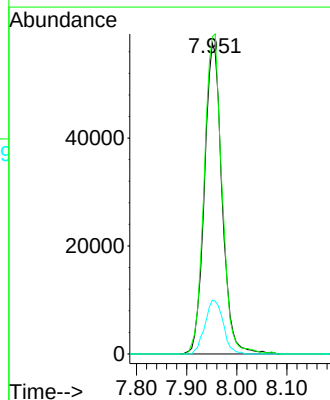
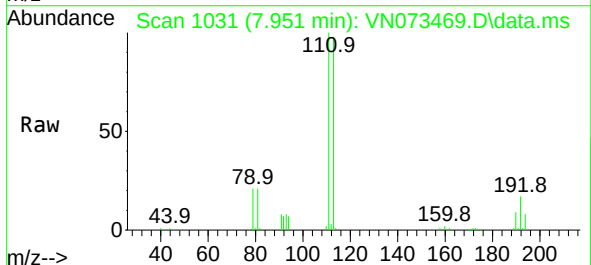
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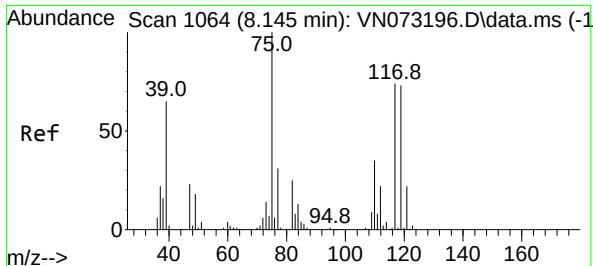
Tgt Ion:114 Resp: 440158
Ion Ratio Lower Upper
114 100
63 21.9 0.0 40.0
88 15.9 0.0 32.6



#35
Dibromofluoromethane
Concen: 48.064 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

Tgt Ion:113 Resp: 140751
Ion Ratio Lower Upper
113 100
111 103.5 81.4 122.0
192 17.9 17.0 25.6

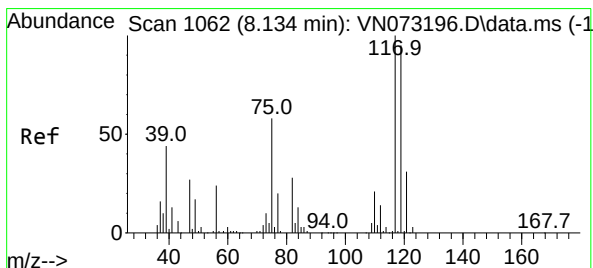
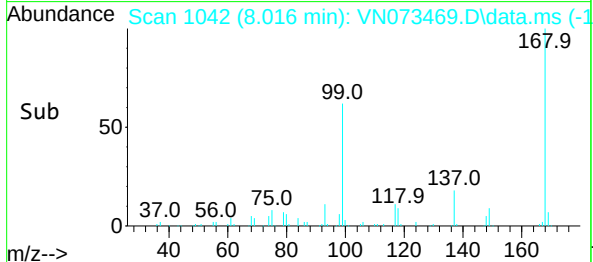
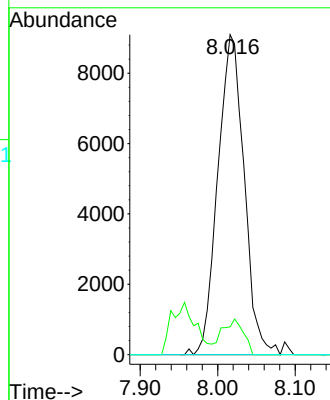
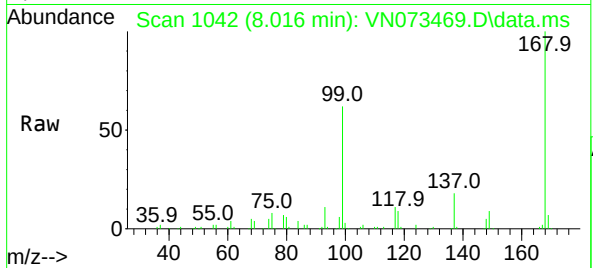




#36
1,1-Dichloropropene
Concen: 4.768 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.129 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

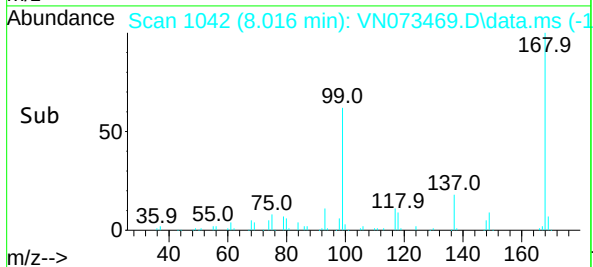
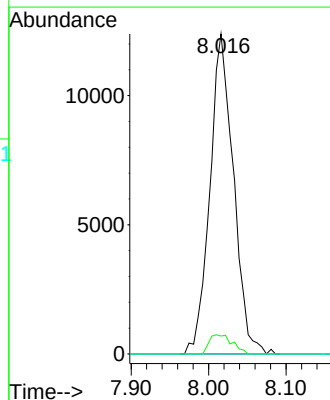
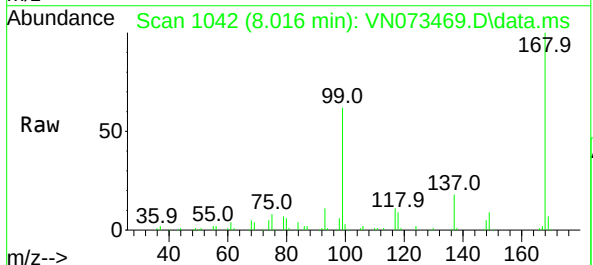
Instrument :
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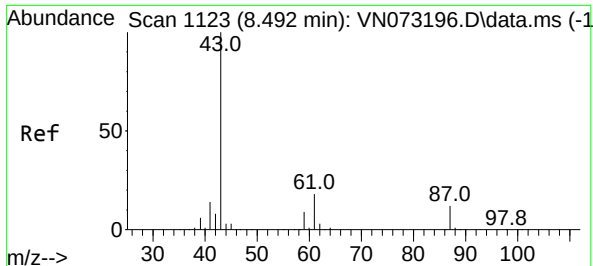
Tgt Ion: 75 Resp: 21483
Ion Ratio Lower Upper
75 100
110 9.1 18.3 54.8#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.636 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

Tgt Ion: 117 Resp: 26264
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.8#
121 0.0 24.6 37.0#

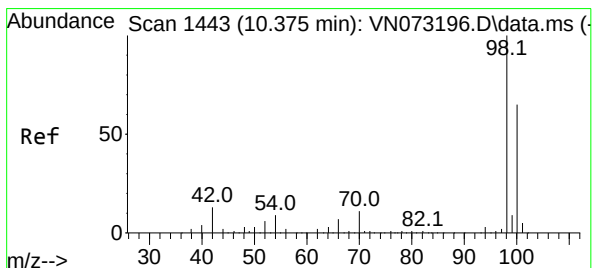
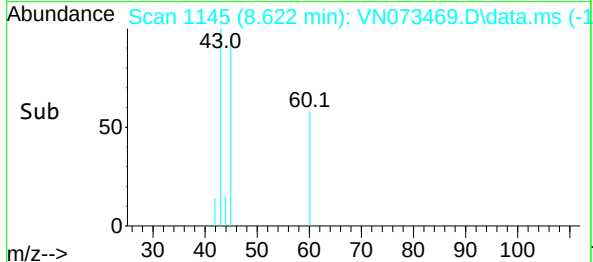
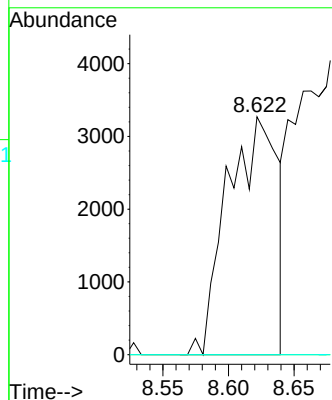
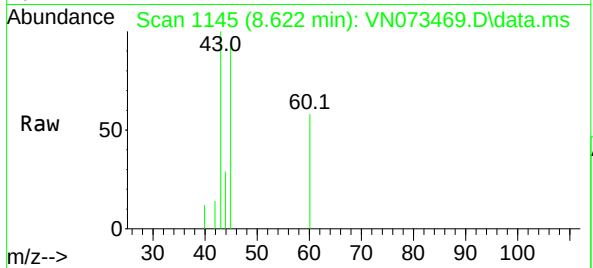




#43
Isopropyl Acetate
Concen: 0.886 ug/l
RT: 8.622 min Scan# 1123
Delta R.T. 0.130 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

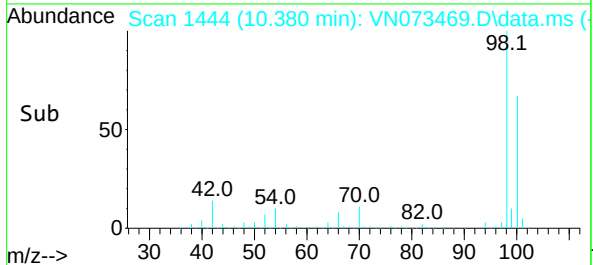
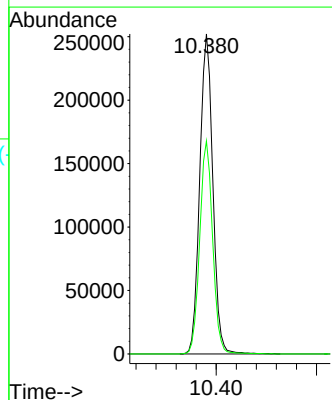
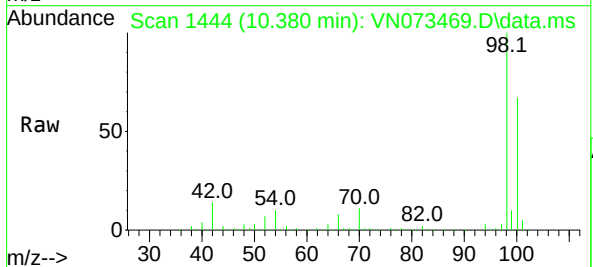
Instrument :
MSVOA_N
ClientSampleId :
PIPELINE-PIGGING-TK2045L

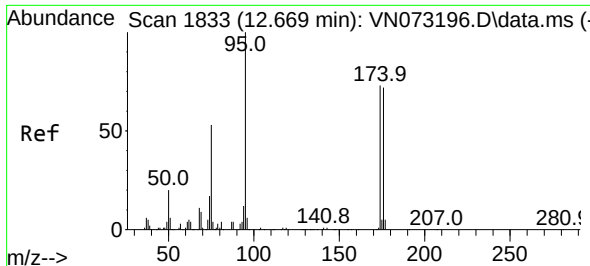
Tgt Ion: 43 Resp: 8673
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 43.793 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

Tgt Ion: 98 Resp: 455486
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8

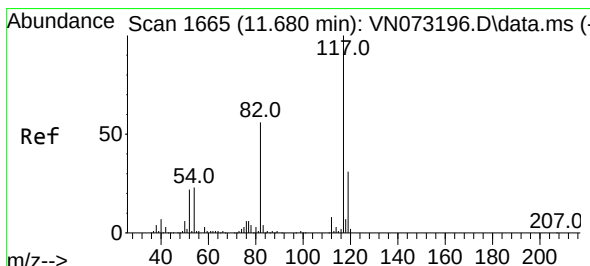
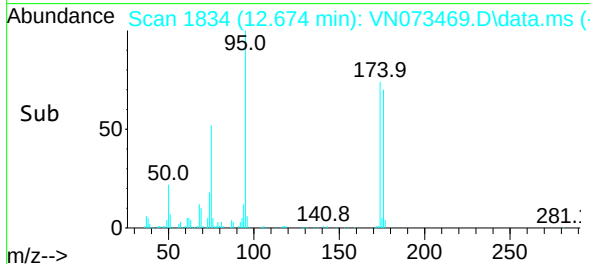
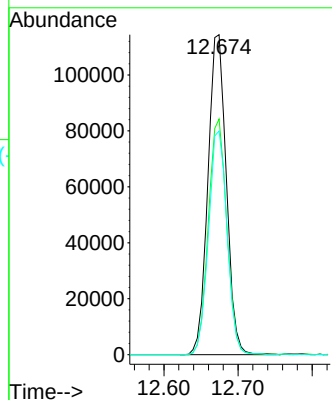
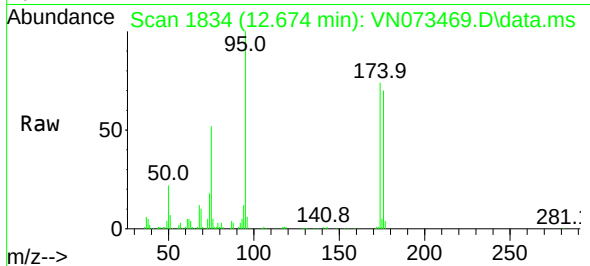




#62
4-Bromofluorobenzene
Concen: 49.300 ug/l
RT: 12.674 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

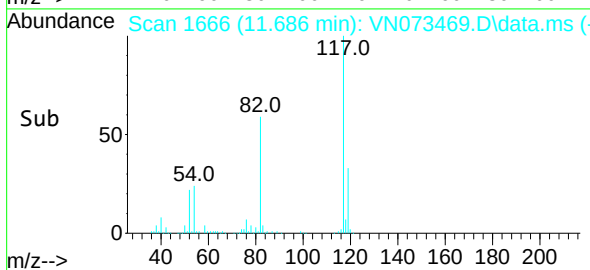
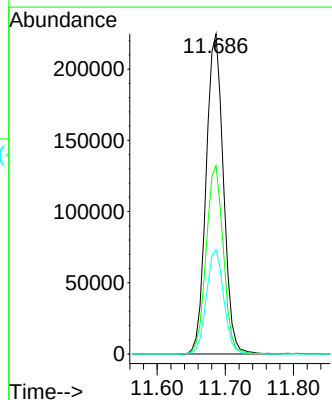
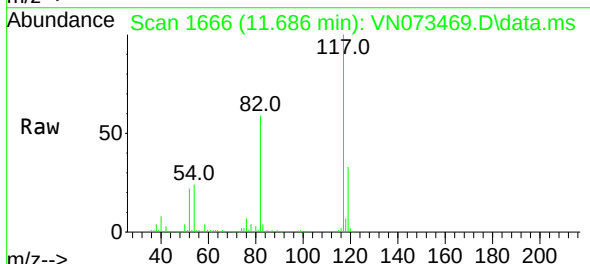
Instrument :
MSVOA_N
ClientSampleId :
PIPELINE-PIGGING-TK2045L

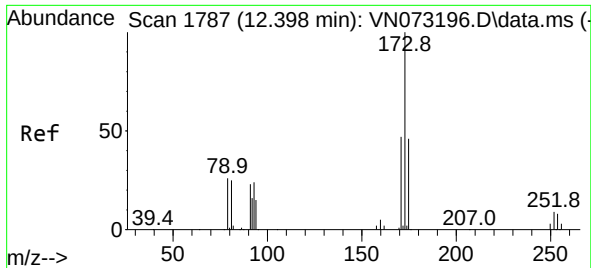
Tgt Ion: 95 Resp: 197051
Ion Ratio Lower Upper
95 100
174 73.9 0.0 167.6
176 70.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

Tgt Ion: 117 Resp: 396947
Ion Ratio Lower Upper
117 100
82 58.9 44.2 66.2
119 32.6 25.4 38.0

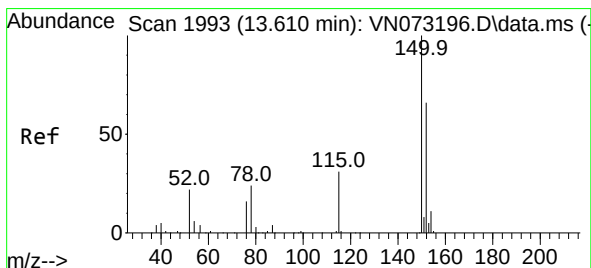
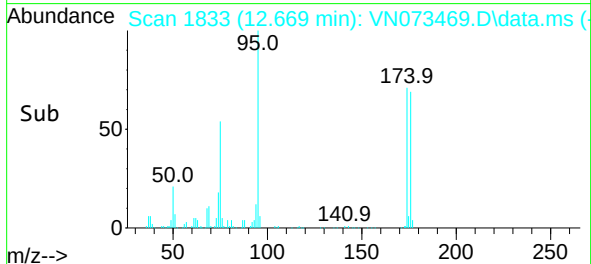
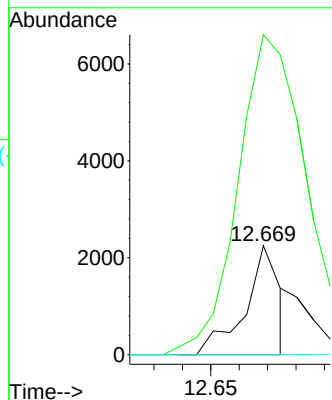
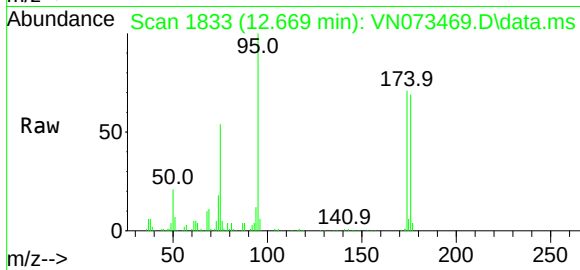




#71
Bromoform
Concen: 0.788 ug/l
RT: 12.669 min Scan# 11
Delta R.T. 0.271 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

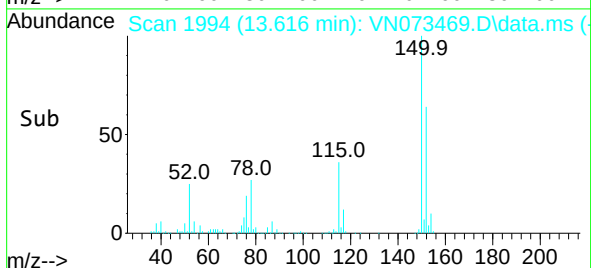
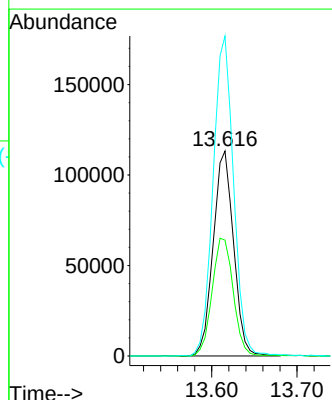
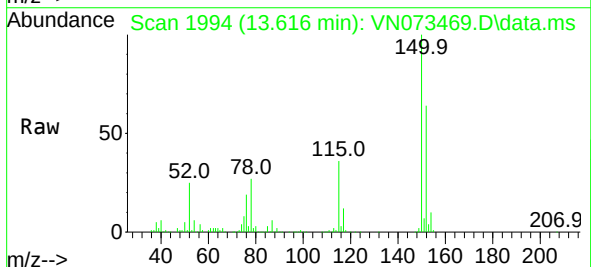
Instrument :
MSVOA_N
ClientSampleId :
PIPELINE-PIGGING-TK2045L

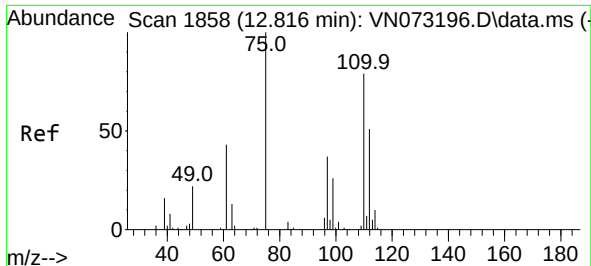
Tgt Ion:173 Resp: 1905
Ion Ratio Lower Upper
173 100
175 396.9 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

Tgt Ion:152 Resp: 188359
Ion Ratio Lower Upper
152 100
115 59.6 28.9 86.7
150 156.8 0.0 356.2

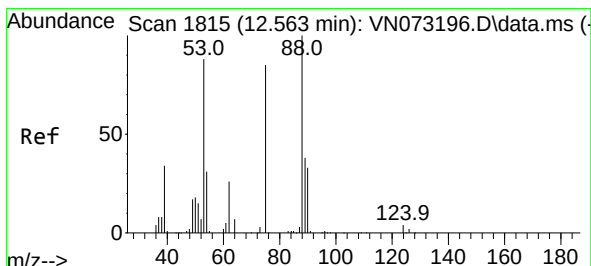
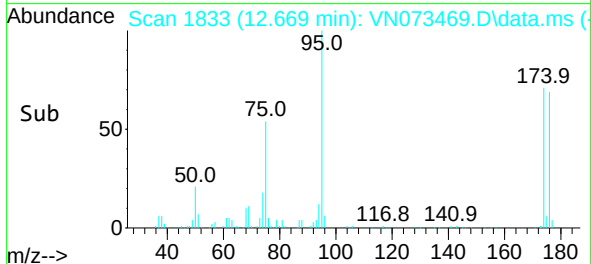
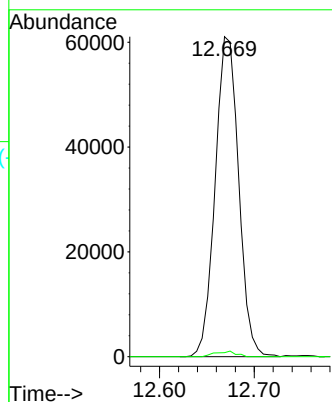
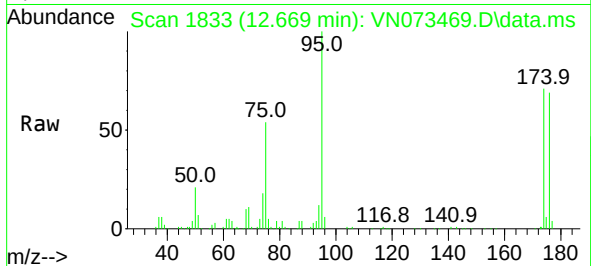




#76
1,2,3-Trichloropropane
Concen: 21.380 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

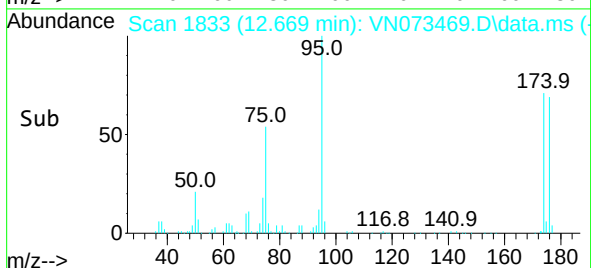
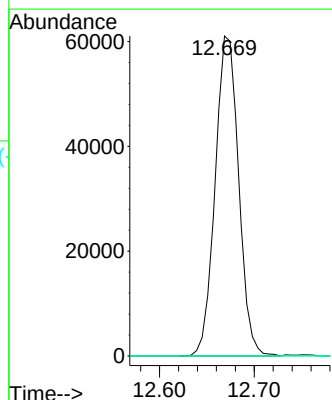
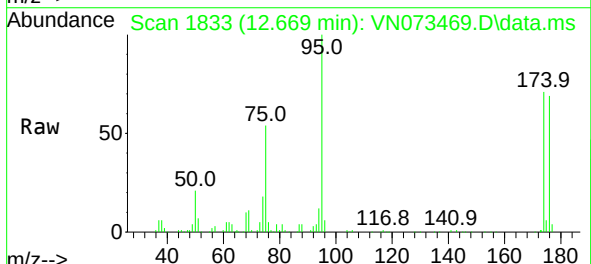
Instrument :
MSVOA_N
ClientSampleId :
PIPELINE-PIGGING-TK2045L

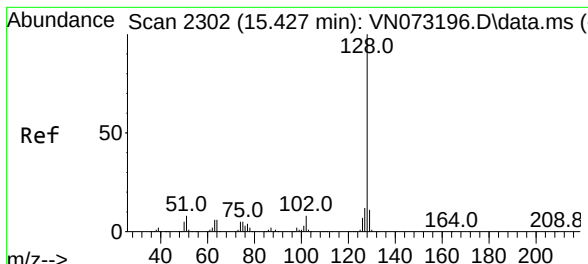
Tgt Ion: 75 Resp: 105302
Ion Ratio Lower Upper
75 100
77 1.5 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.634 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073469.D
Acq: 14 Jul 2022 18:42

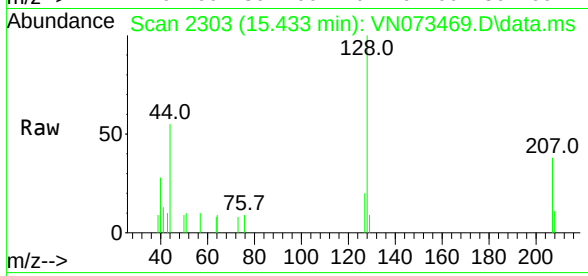
Tgt Ion: 75 Resp: 105302
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 0.300 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073469.D
 Acq: 14 Jul 2022 18:42

Instrument :
 MSVOA_N
 ClientSampleId :
 PIPELINE-PIGGING-TK2045L



Tgt Ion:	128	Resp:	4361
Ion Ratio	100	Lower	Upper
128	100		
127	11.3	10.3	15.5
129	5.9	8.6	13.0#

