

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072922\
 Data File : VY009772.D
 Acq On : 29 Jul 2022 15:05
 Operator : KP/MD
 Sample : N3878-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 200-E-5TH-ST-DIRT-STONE-ASPHALT

Quant Time: Aug 01 01:13:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y072622S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 27 04:24:58 2022
 Response via : Initial Calibration

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

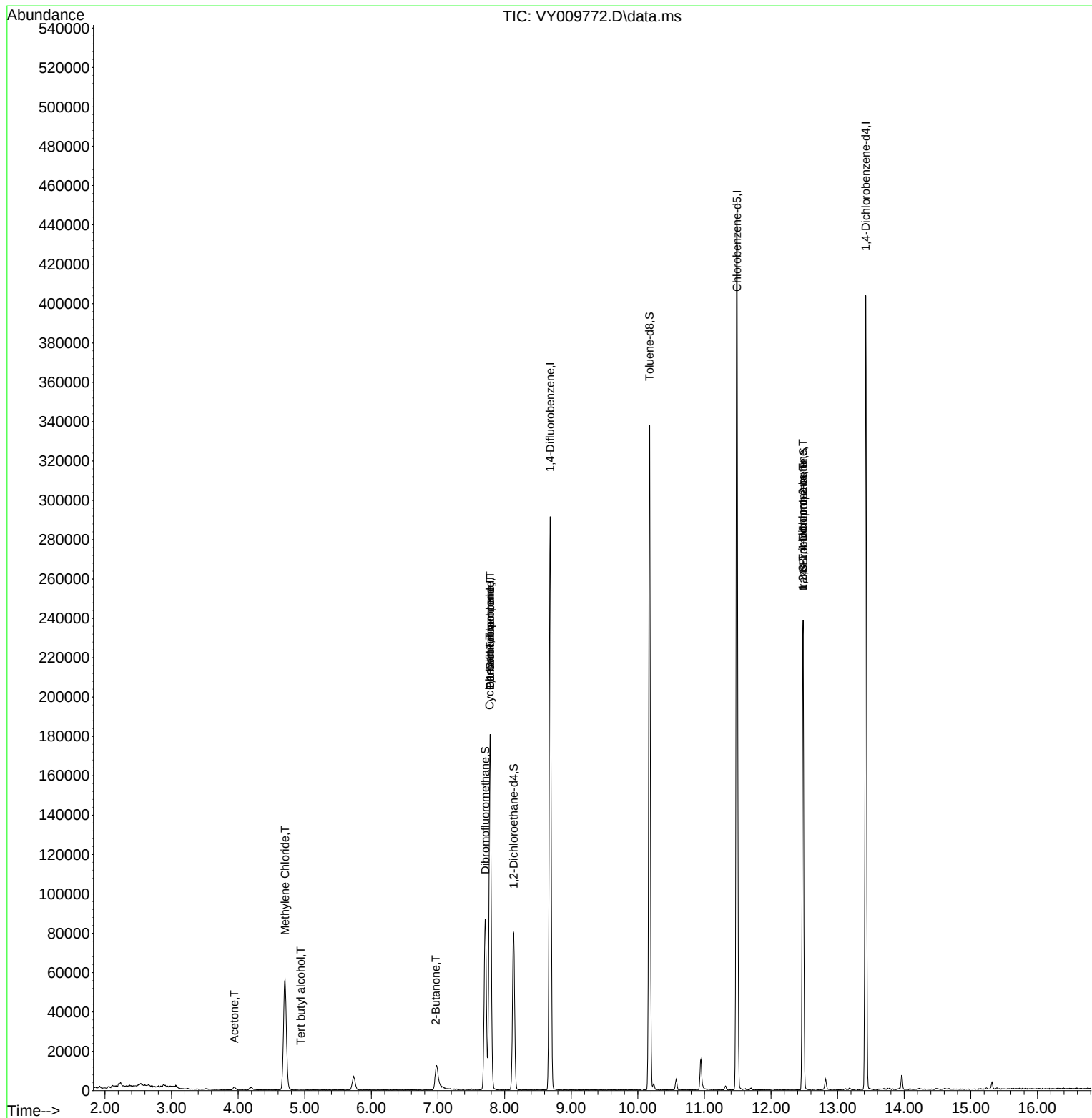
Internal Standards						
1) Pentafluorobenzene	7.783	168	149962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	257878	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	258250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	106319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	62445	64.007	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.020%	
35) Dibromofluoromethane	7.710	113	61239	43.663	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 87.320%	
50) Toluene-d8	10.179	98	222431	54.868	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 109.740%	
62) 4-Bromofluorobenzene	12.483	95	66448	35.730	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 71.460%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	772	4.433	ug/l #	77
16) Acetone	3.942	43	2368	6.604	ug/l	93
18) Methyl Acetate	4.460	43	248	Below Cal	#	56
20) Methylene Chloride	4.704	84	43729	19.498	ug/l	85
25) 2-Butanone	6.966	43	972	1.838	ug/l #	54
31) Cyclohexane	7.777	56	2863	1.200	ug/l #	13
36) 1,1-Dichloropropene	7.783	75	10366	4.542	ug/l #	50
38) Carbon Tetrachloride	7.783	117	13443	5.497	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	33769	34.195	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	33769	68.160	ug/l #	7

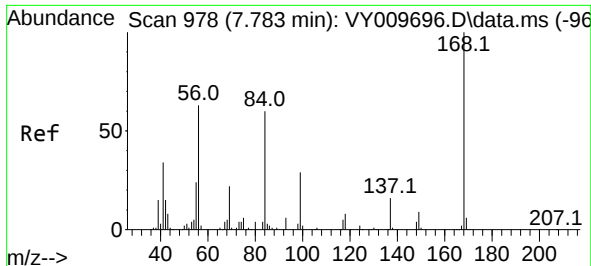
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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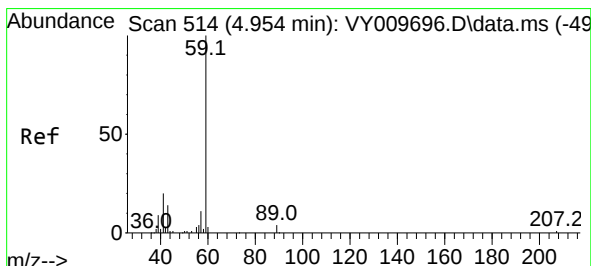
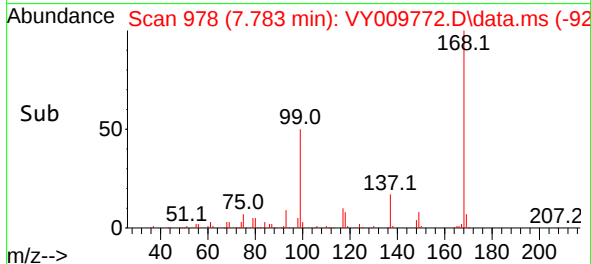
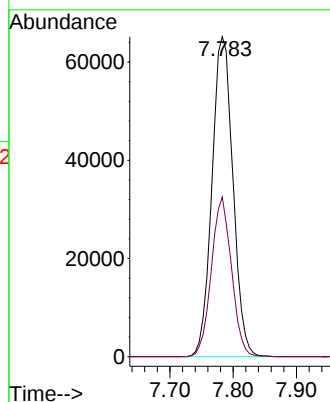
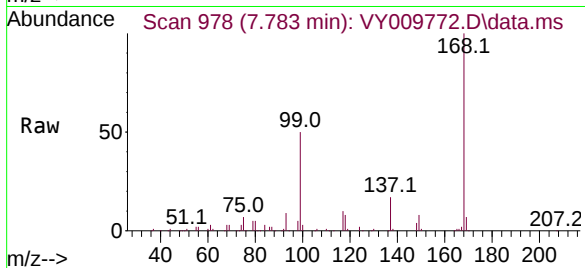




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009772.D
Acq: 29 Jul 2022 15:05

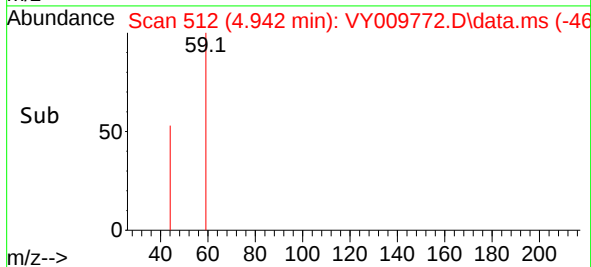
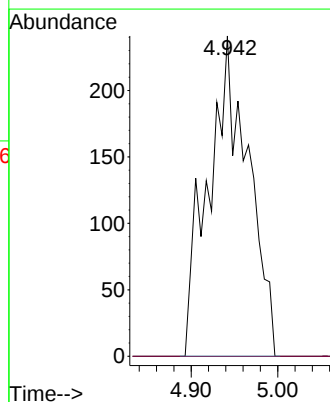
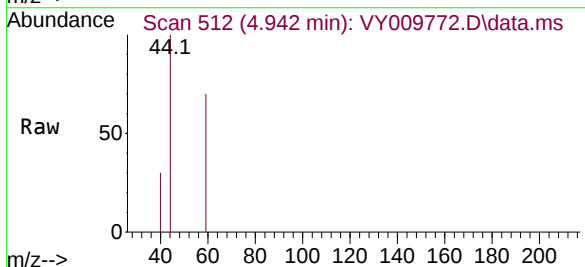
Instrument :
MSVOA_Y
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT

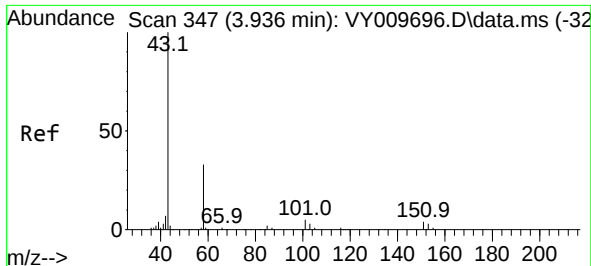
Tgt Ion:168 Resp: 149962
Ion Ratio Lower Upper
168 100
99 49.9 46.9 70.3



#11
Tert butyl alcohol
Concen: 4.433 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY009772.D
Acq: 29 Jul 2022 15:05

Tgt Ion: 59 Resp: 772
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 6.604 ug/l

RT: 3.942 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY009772.D

Acq: 29 Jul 2022 15:05

Instrument :

MSVOA_Y

ClientSampleId :

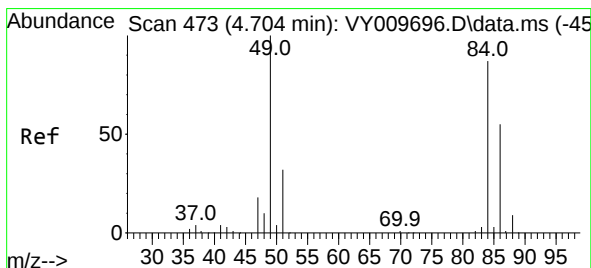
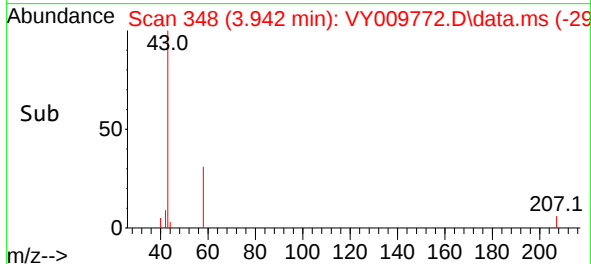
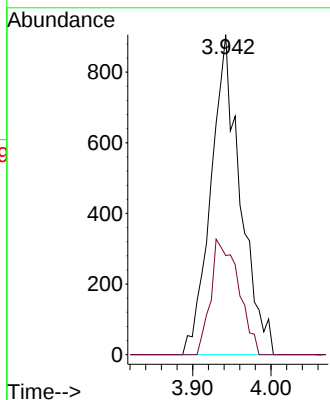
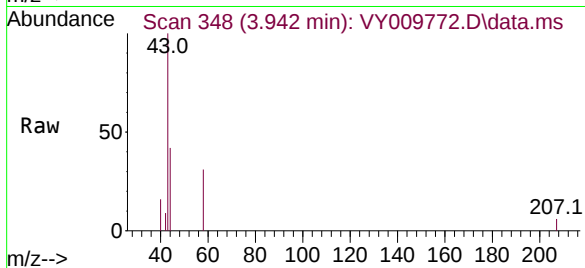
200-E-5TH-ST-DIRT-STONE-ASPHALT

Tgt Ion: 43 Resp: 2368

Ion Ratio Lower Upper

43 100

58 31.0 22.0 33.0



#20

Methylene Chloride

Concen: 19.498 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY009772.D

Acq: 29 Jul 2022 15:05

Tgt Ion: 84 Resp: 43729

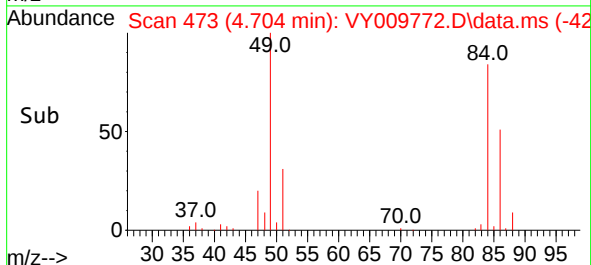
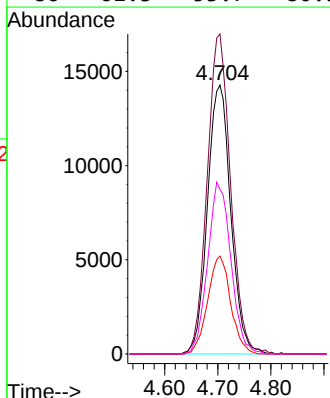
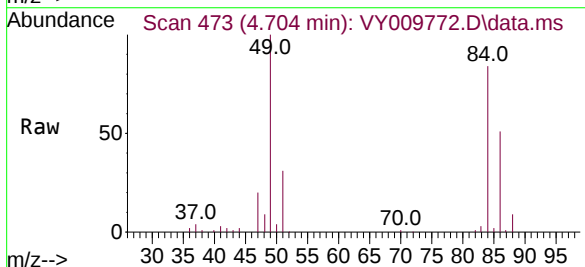
Ion Ratio Lower Upper

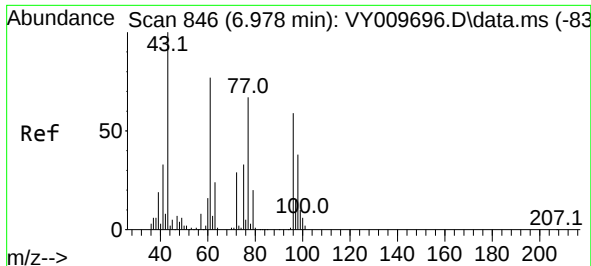
84 100

49 119.1 114.4 171.6

51 36.4 35.3 52.9

86 61.3 53.7 80.5

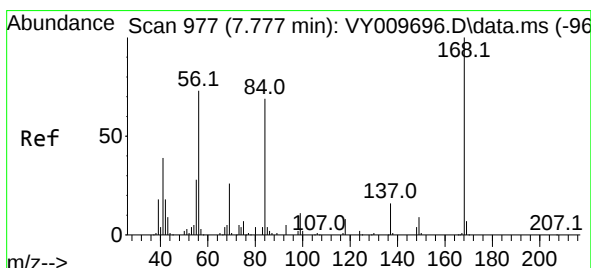
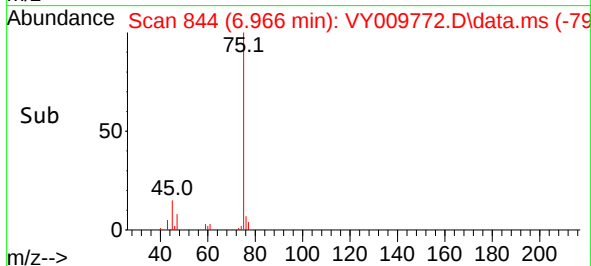
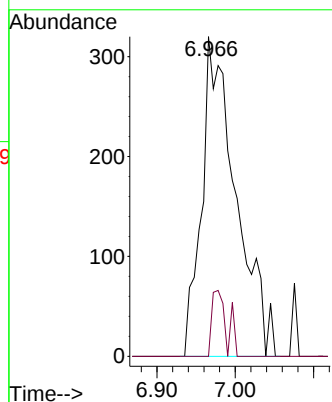
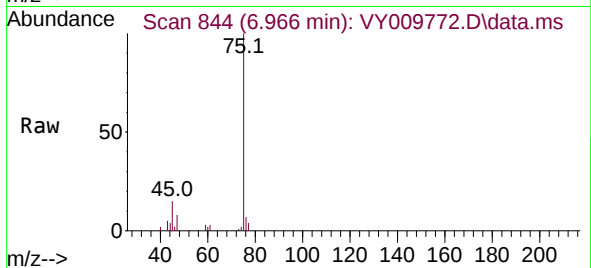




#25
2-Butanone
Concen: 1.838 ug/l
RT: 6.966 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY009772.D
Acq: 29 Jul 2022 15:05

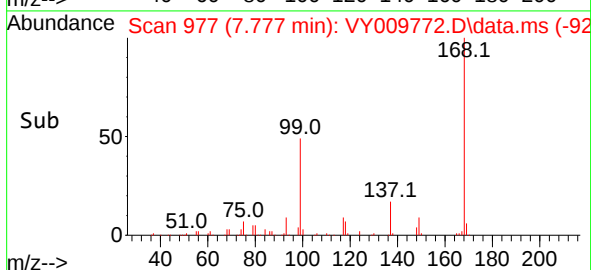
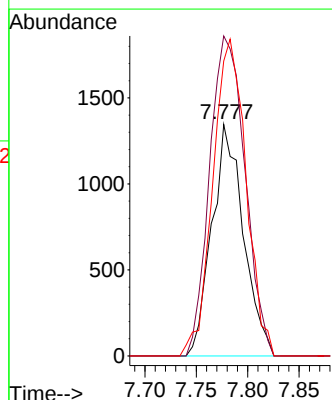
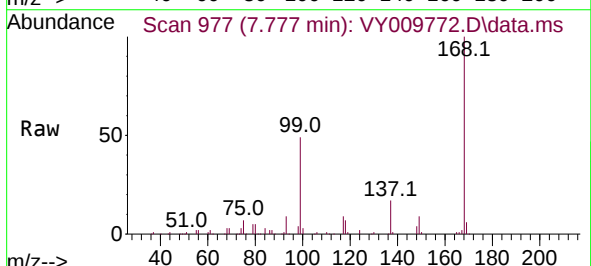
Instrument :
MSVOA_Y
ClientSampleId :
200-E-5TH-ST-DIRT-STONE-ASPHALT

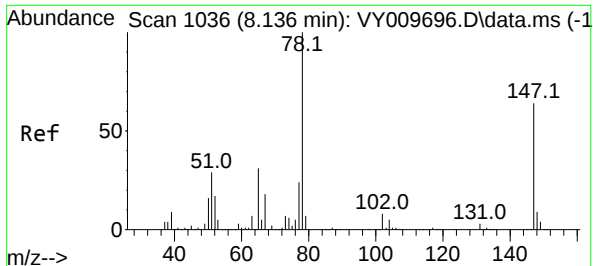
Tgt Ion: 43 Resp: 972
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.200 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY009772.D
Acq: 29 Jul 2022 15:05

Tgt Ion: 56 Resp: 2863
Ion Ratio Lower Upper
56 100
69 138.2 26.7 40.1#
84 127.3 67.2 100.8#

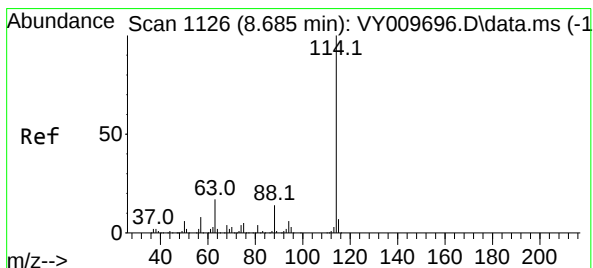
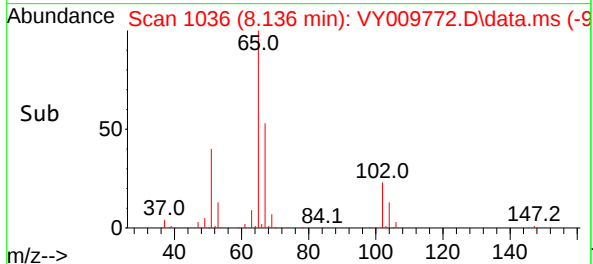
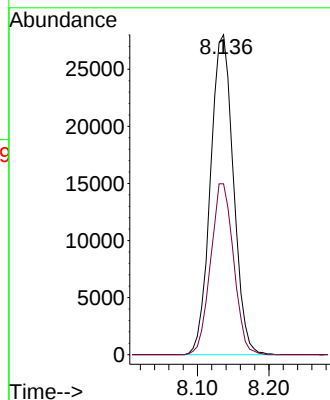
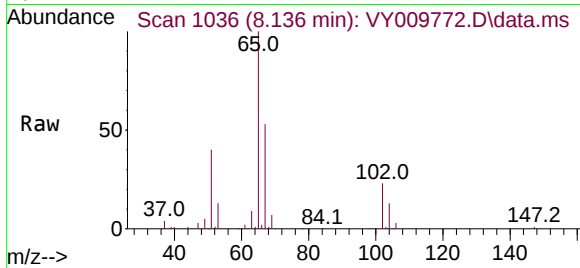




#33
 1,2-Dichloroethane-d4
 Concen: 64.007 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY009772.D
 Acq: 29 Jul 2022 15:05

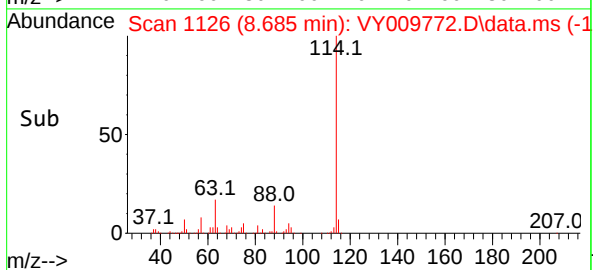
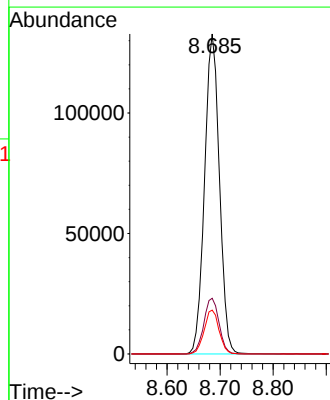
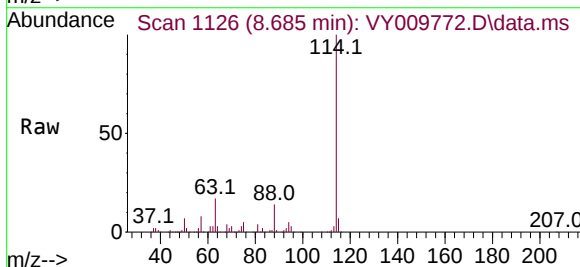
Instrument :
 MSVOA_Y
 ClientSampleId :
 200-E-5TH-ST-DIRT-STONE-ASPHALT

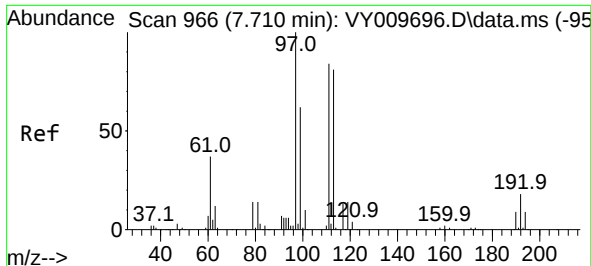
Tgt Ion: 65 Resp: 62445
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY009772.D
 Acq: 29 Jul 2022 15:05

Tgt Ion:114 Resp: 257878
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 43.2
 88 13.7 0.0 31.8

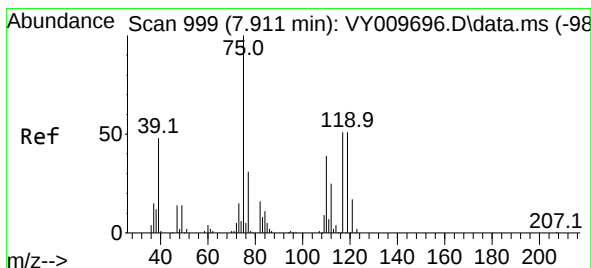
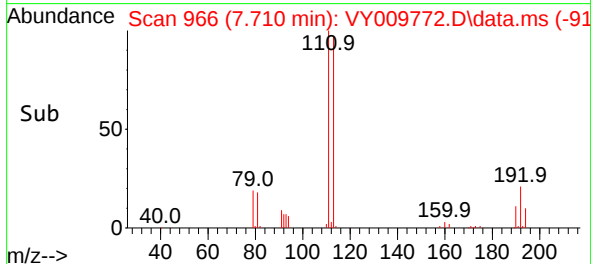
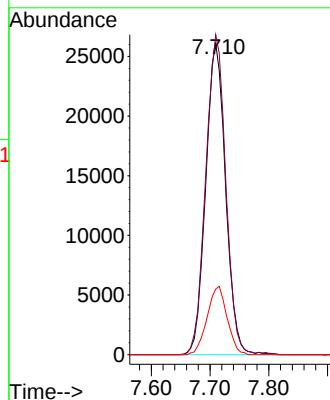
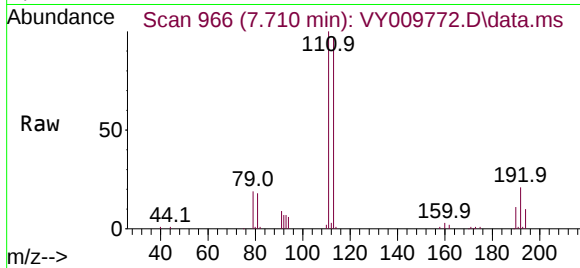




#35
Dibromofluoromethane
Concen: 43.663 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY009772.D
Acq: 29 Jul 2022 15:05

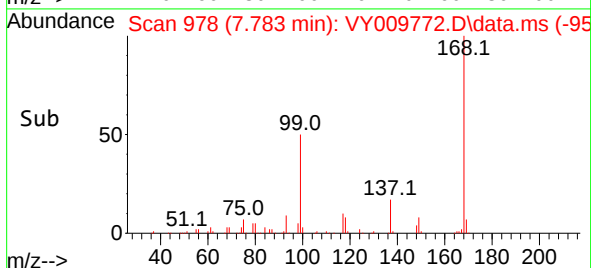
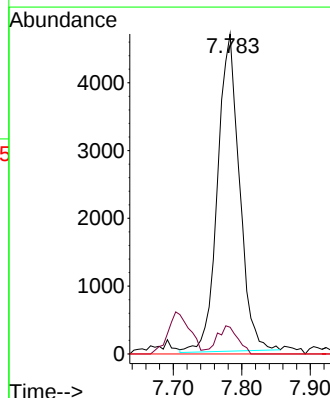
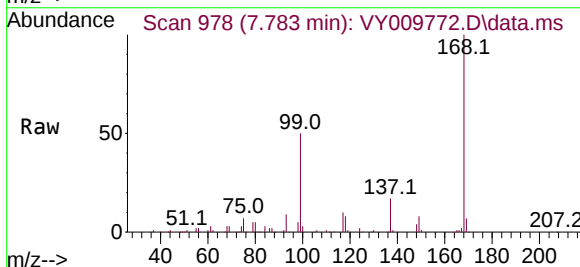
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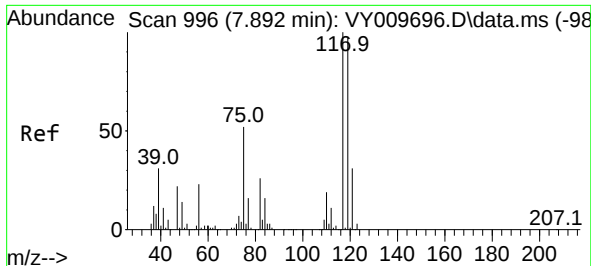
Tgt Ion:113 Resp: 61239
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 22.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.542 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY009772.D
Acq: 29 Jul 2022 15:05

Tgt Ion: 75 Resp: 10366
Ion Ratio Lower Upper
75 100
110 8.3 17.1 51.2#
77 0.0 24.4 36.6#

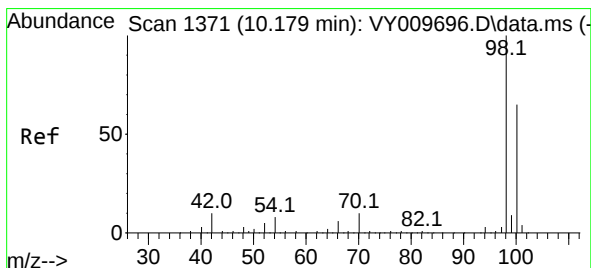
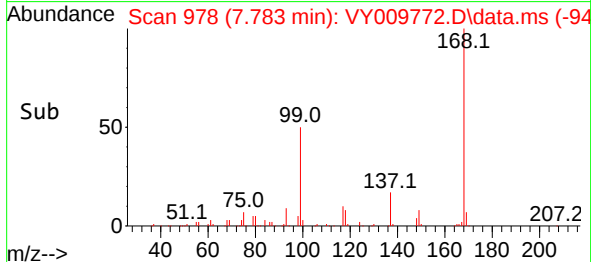
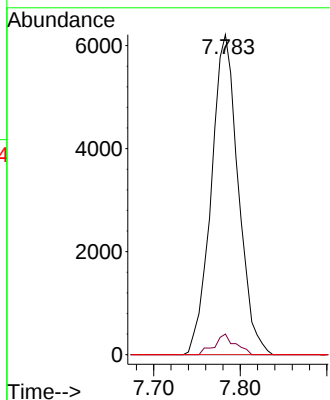
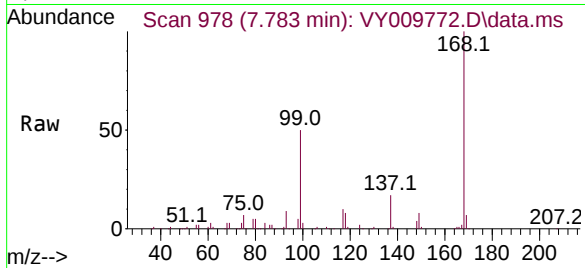




#38
Carbon Tetrachloride
Concen: 5.497 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY009772.D
Acq: 29 Jul 2022 15:05

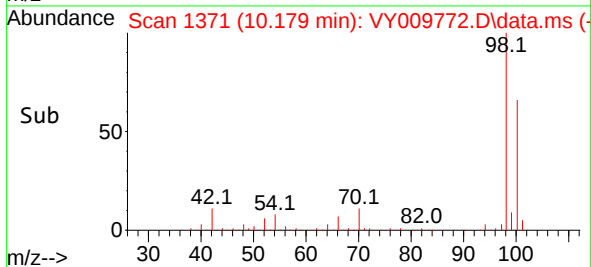
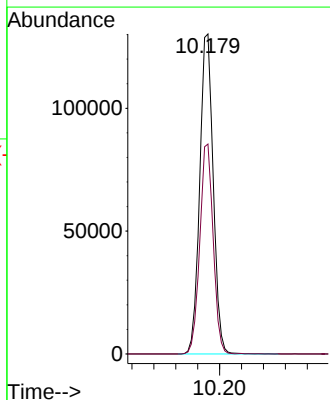
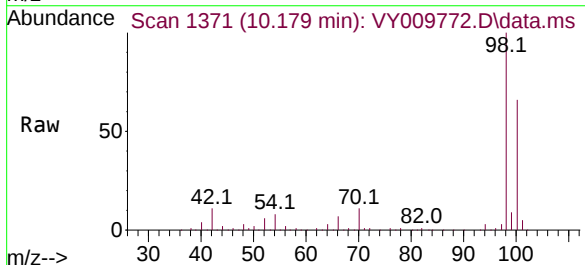
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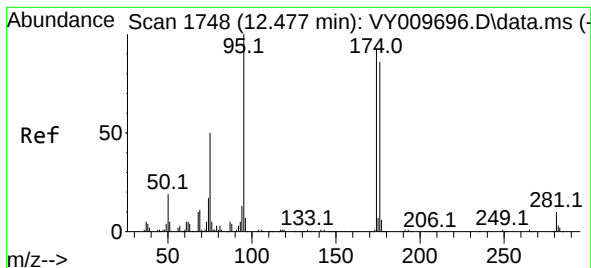
Tgt Ion:117 Resp: 13443
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.868 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY009772.D
Acq: 29 Jul 2022 15:05

Tgt Ion: 98 Resp: 222431
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2

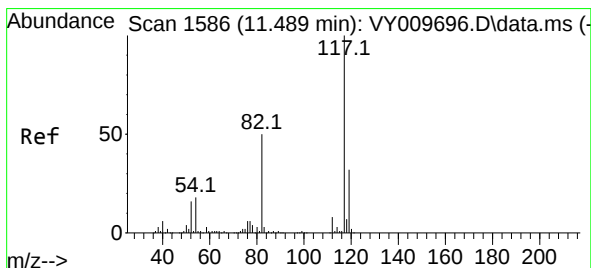
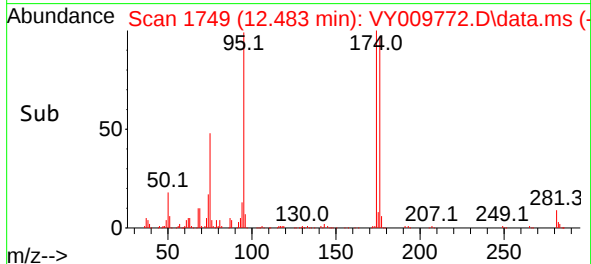
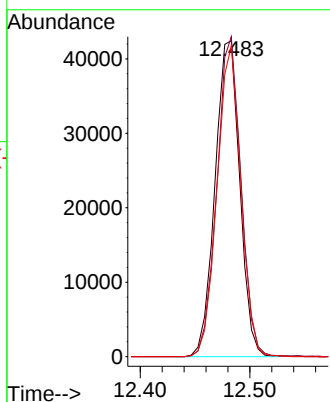
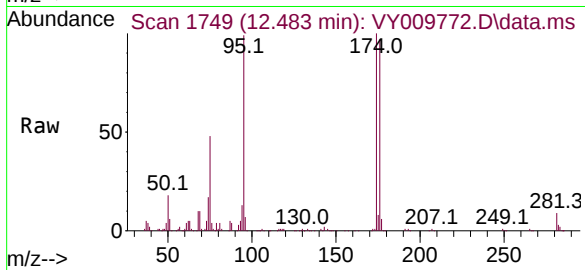




#62
4-Bromofluorobenzene
Concen: 35.730 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009772.D
Acq: 29 Jul 2022 15:05

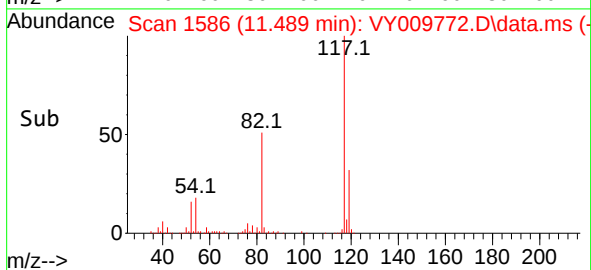
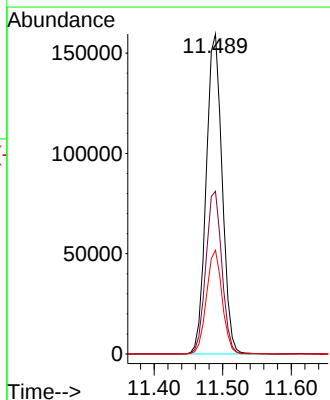
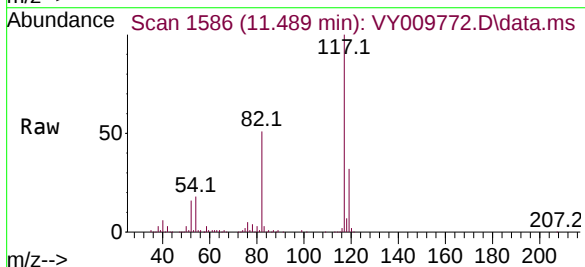
Instrument :
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200-E-5TH-ST-DIRT-STONE-ASPHALT

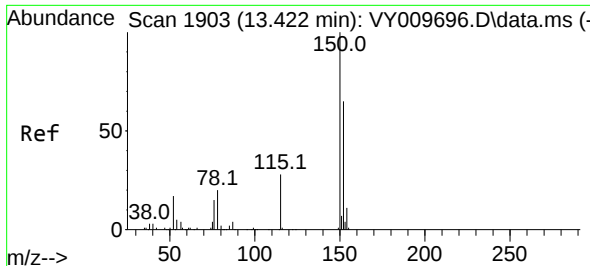
Tgt Ion: 95 Resp: 66448
Ion Ratio Lower Upper
95 100
174 98.5 0.0 177.0
176 94.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009772.D
Acq: 29 Jul 2022 15:05

Tgt Ion: 117 Resp: 258250
Ion Ratio Lower Upper
117 100
82 50.8 43.0 64.4
119 32.4 25.4 38.0

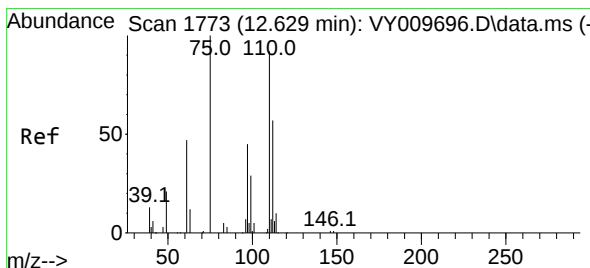
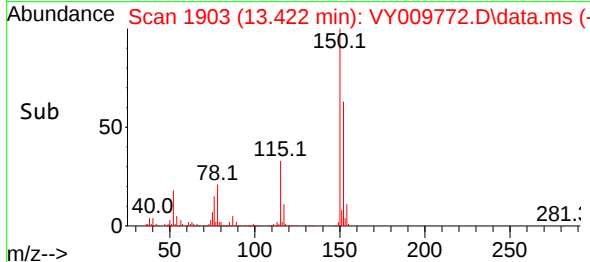
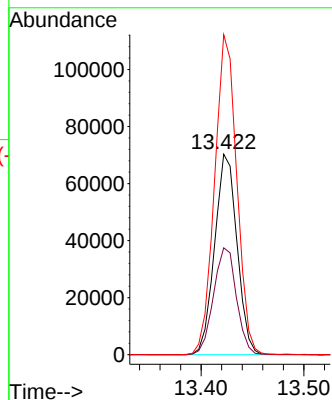
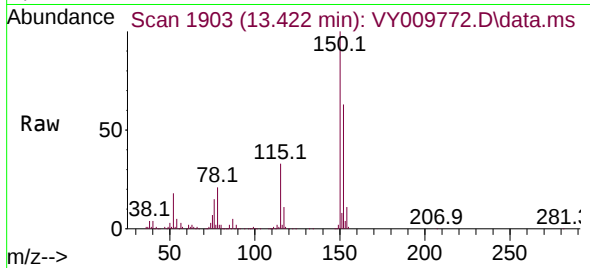




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY009772.D
 Acq: 29 Jul 2022 15:05

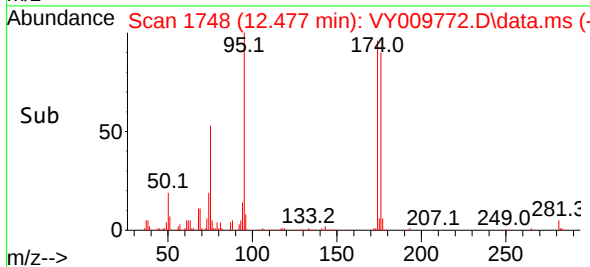
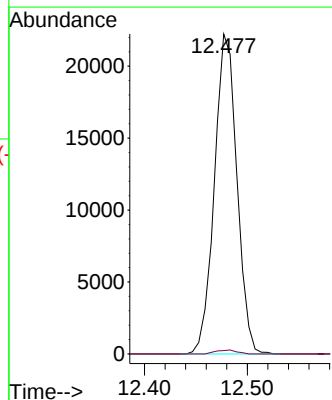
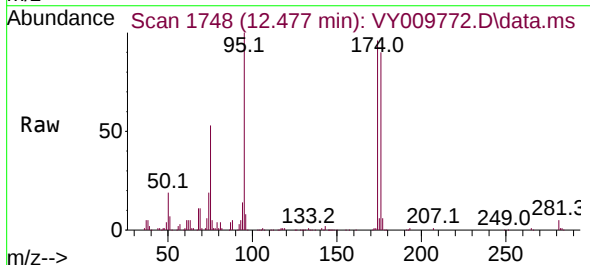
Instrument :
 MSVOA_Y
 ClientSampleId :
 200-E-5TH-ST-DIRT-STONE-ASPHALT

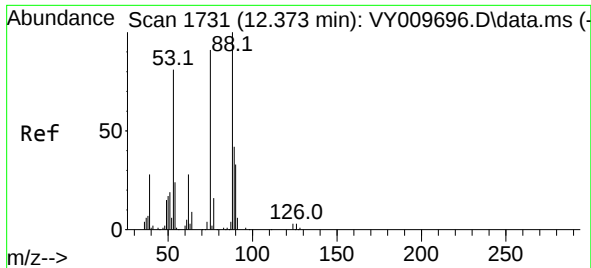
Tgt Ion:152 Resp: 106319
 Ion Ratio Lower Upper
 152 100
 115 54.5 28.2 84.7
 150 158.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 34.195 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.152 min
 Lab File: VY009772.D
 Acq: 29 Jul 2022 15:05

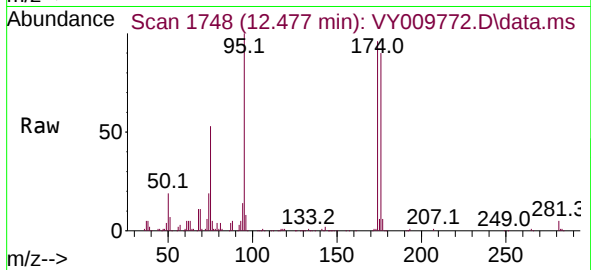
Tgt Ion: 75 Resp: 33769
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.160 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY009772.D
 Acq: 29 Jul 2022 15:05

Instrument :
 MSVOA_Y
 ClientSampleId :
 200-E-5TH-ST-DIRT-STONE-ASPHALT



Tgt Ion: 75 Resp: 33769
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

