

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110425\
 Data File : VY023674.D
 Acq On : 04 Nov 2025 15:16
 Operator : SY/MD
 Sample : Q3532-03
 Misc : 5.64g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

Quant Time: Nov 05 04:52:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

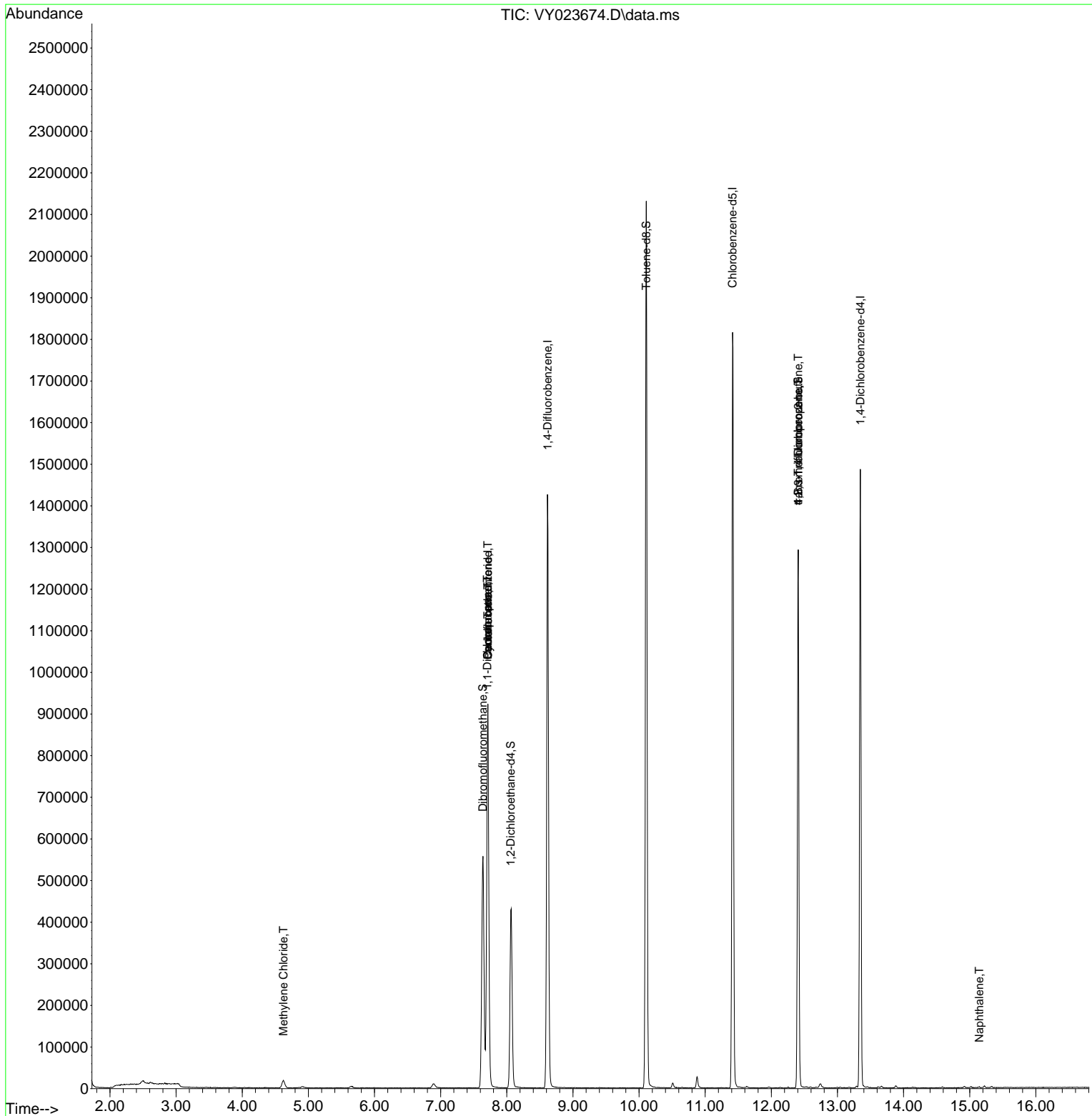
Internal Standards						
1) Pentafluorobenzene	7.713	168	742867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1269828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1042594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	397918	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	346893	54.743	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.480%
35) Dibromofluoromethane	7.640	113	399637	50.360	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.720%
50) Toluene-d8	10.109	98	1417055	47.937	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.880%
62) 4-Bromofluorobenzene	12.408	95	386316	40.411	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.820%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.622	84	13638	1.794	ug/l #	88
31) Cyclohexane	7.713	56	13073	1.252	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	50224	4.736	ug/l #	48
38) Carbon Tetrachloride	7.713	117	69081	5.529	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	191885	59.584	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	191885	134.657	ug/l #	14
95) Naphthalene	15.145	128	2009	5.415	ug/l #	84

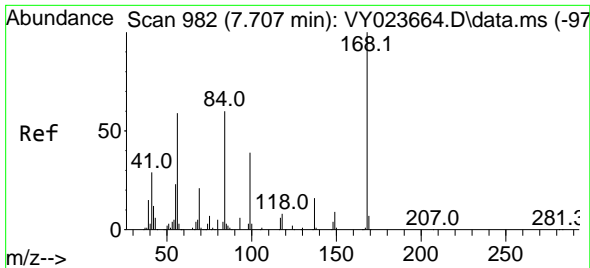
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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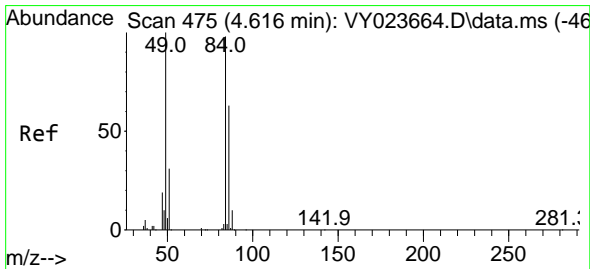
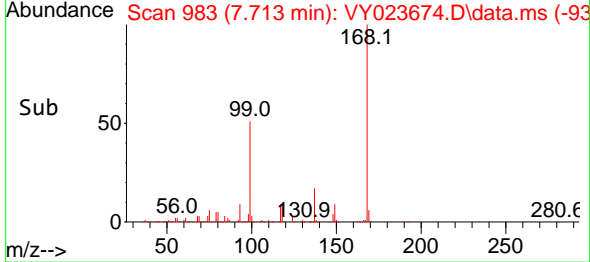
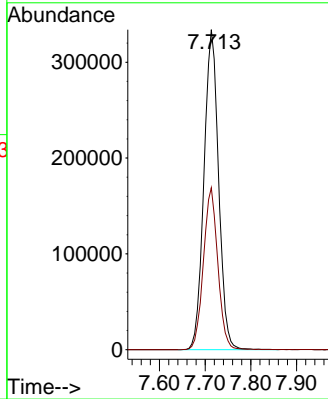
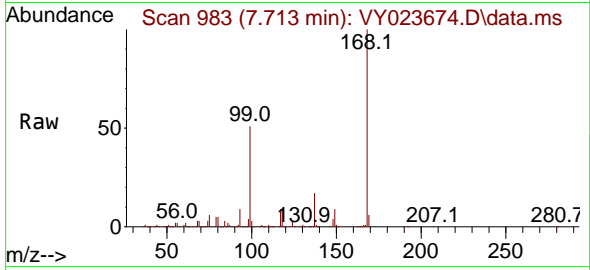




#1
 Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.713 min Scan# 99
 Delta R.T. 0.006 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

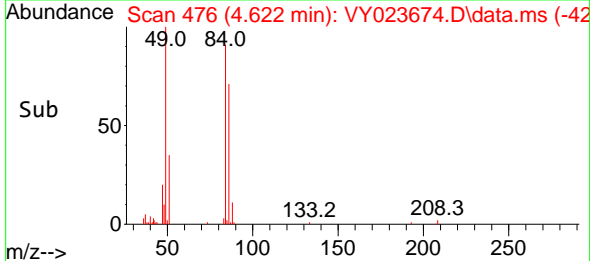
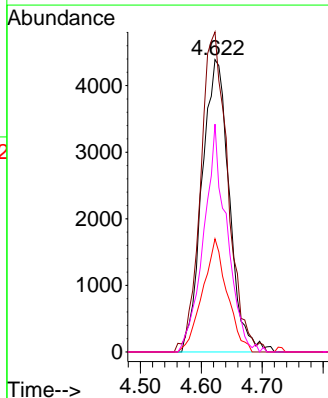
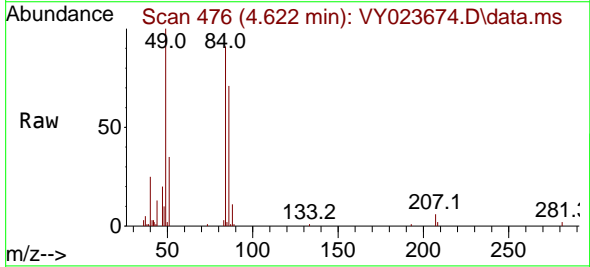
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT4-2025

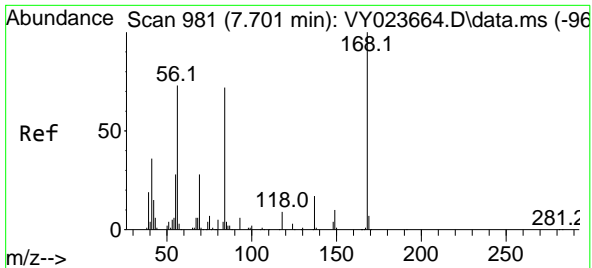
Tgt Ion:168 Resp: 742867
 Ion Ratio Lower Upper
 168 100
 99 50.6 41.0 61.4



#20
 Methylene Chloride
 Concen: 1.794 ug/l
 RT: 4.622 min Scan# 476
 Delta R.T. 0.006 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

Tgt Ion: 84 Resp: 13638
 Ion Ratio Lower Upper
 84 100
 49 109.5 81.5 122.3
 51 38.7 25.5 38.3#
 86 77.9 51.2 76.8#

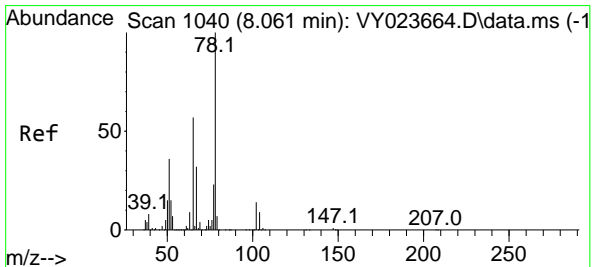
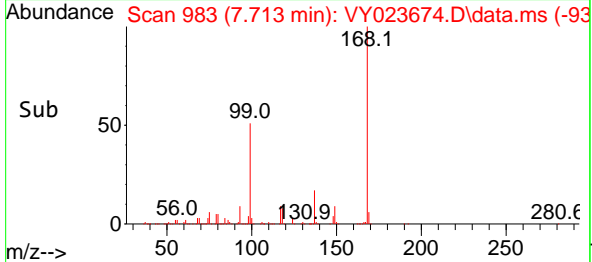
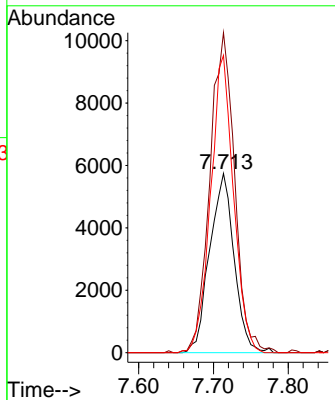
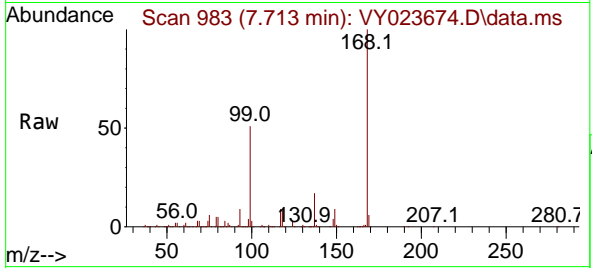




#31
 Cyclohexane
 Concen: 1.252 ug/l
 RT: 7.713 min Scan# 981
 Delta R.T. 0.012 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

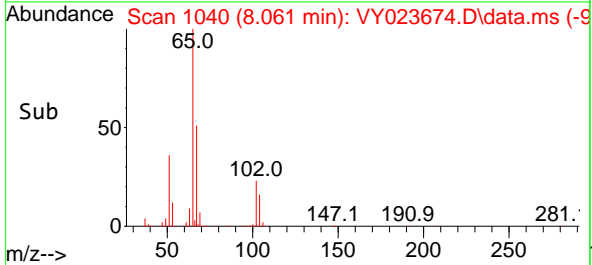
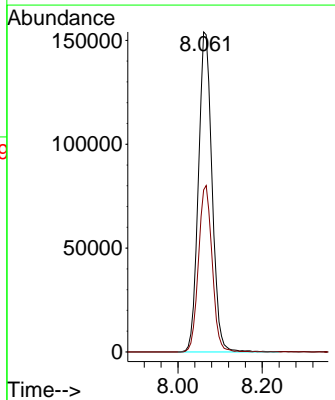
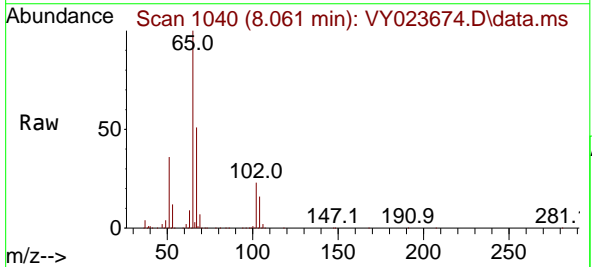
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT4-2025

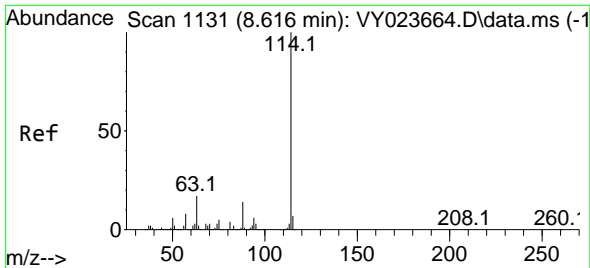
Tgt Ion	Resp	Lower	Upper
56	13073		
69	178.5	30.5	45.7#
84	165.9	79.0	118.4#



#33
 1,2-Dichloroethane-d4
 Concen: 54.743 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

Tgt Ion	Resp	Lower	Upper
65	346893		
67	52.1	0.0	107.4



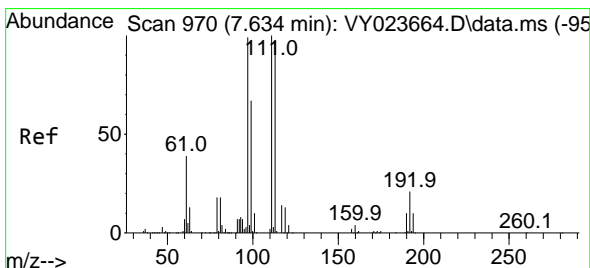
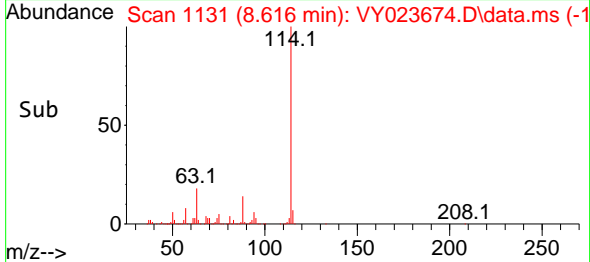
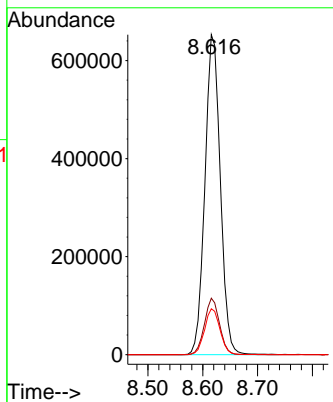
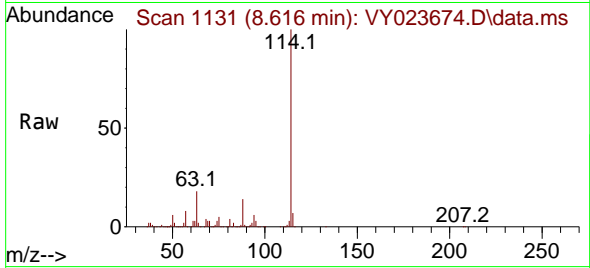


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT4-2025

Tgt Ion:114 Resp: 1269828

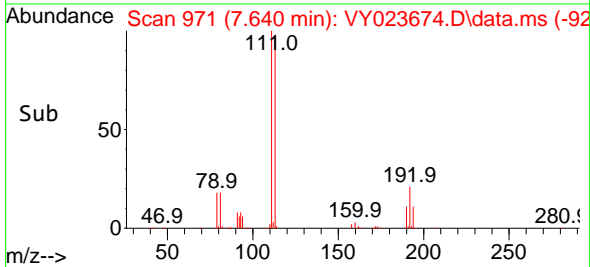
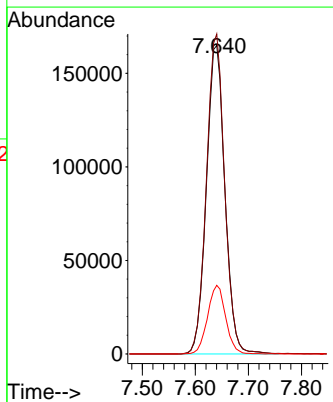
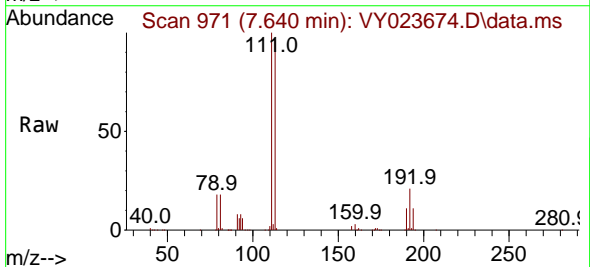
Ion	Ratio	Lower	Upper
114	100		
63	17.6	0.0	33.8
88	14.4	0.0	29.0

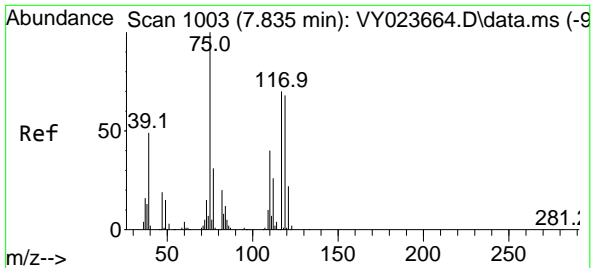


#35
 Dibromofluoromethane
 Concen: 50.360 ug/l
 RT: 7.640 min Scan# 971
 Delta R.T. 0.006 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

Tgt Ion:113 Resp: 399637

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.2	123.4
192	21.8	17.3	25.9

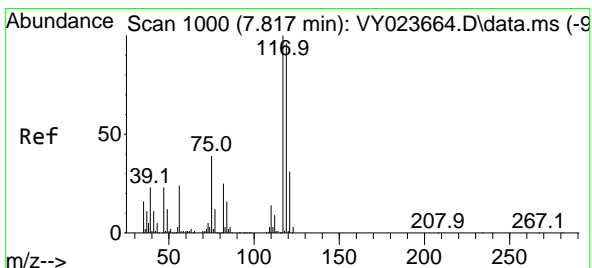
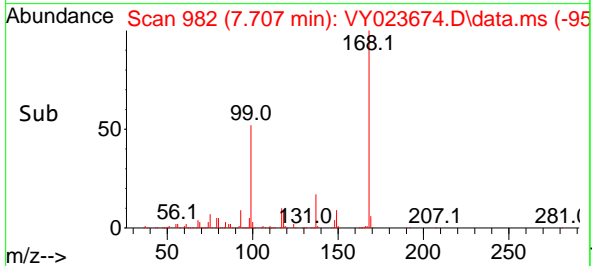
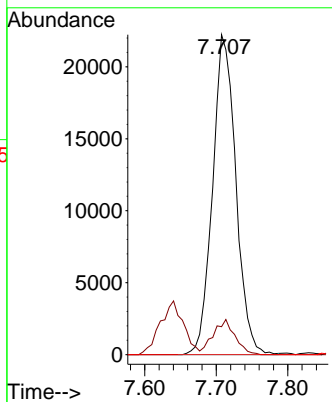
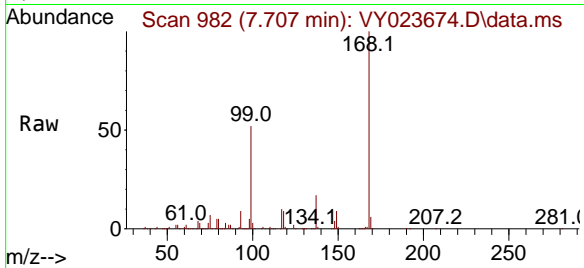




#36
 1,1-Dichloropropene
 Concen: 4.736 ug/l
 RT: 7.707 min Scan# 982
 Delta R.T. -0.128 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

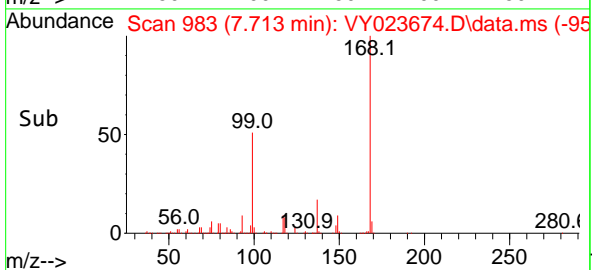
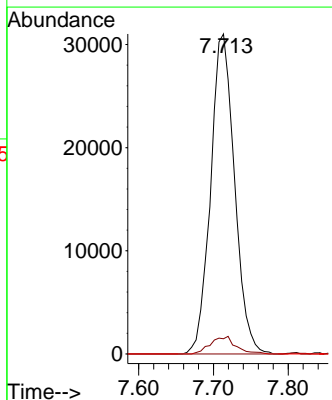
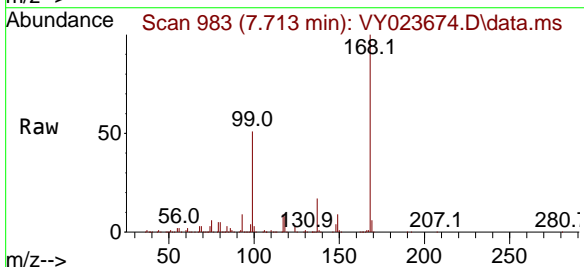
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT4-2025

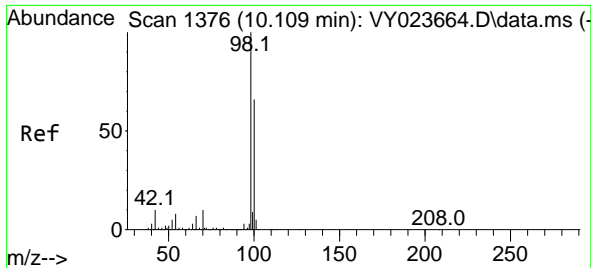
Tgt Ion	Resp	Lower	Upper
75	50224	100	
110	10.3	19.7	59.0#
77	0.0	25.2	37.8#



#38
 Carbon Tetrachloride
 Concen: 5.529 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.104 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

Tgt Ion	Resp	Lower	Upper
117	69081	100	
119	4.8	76.3	114.5#
121	0.0	24.8	37.2#

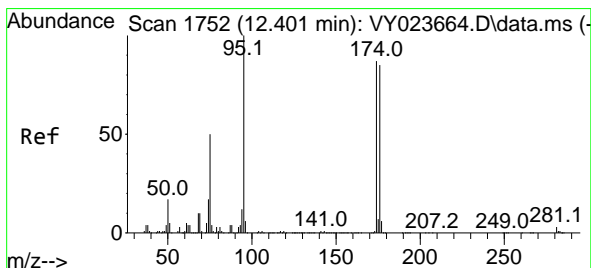
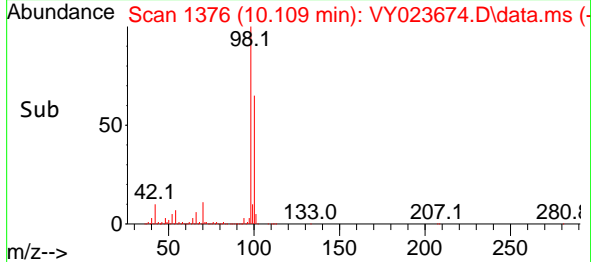
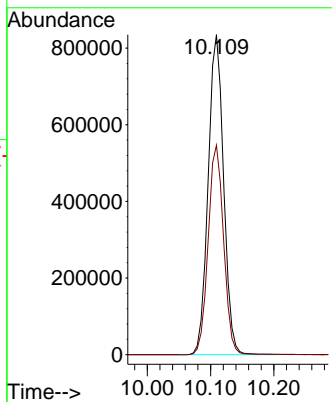
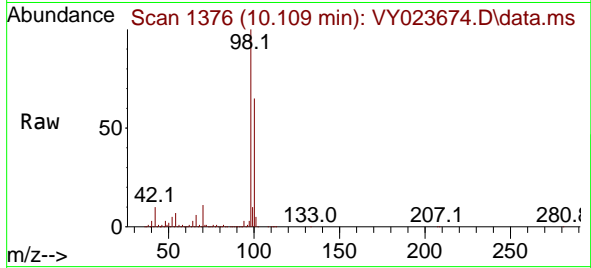




#50
 Toluene-d8
 Concen: 47.937 ug/l
 RT: 10.109 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

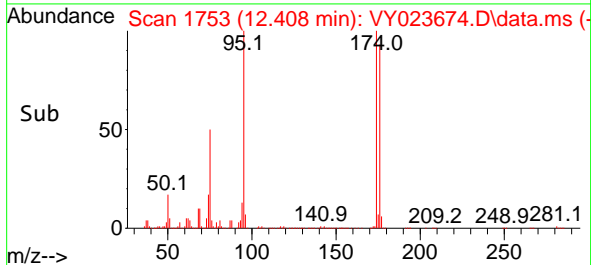
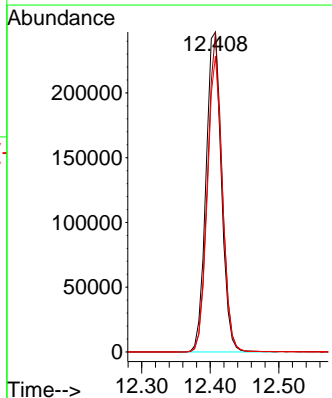
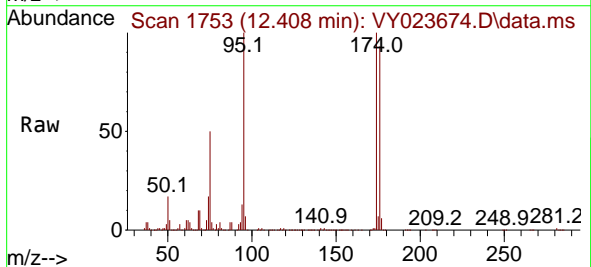
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

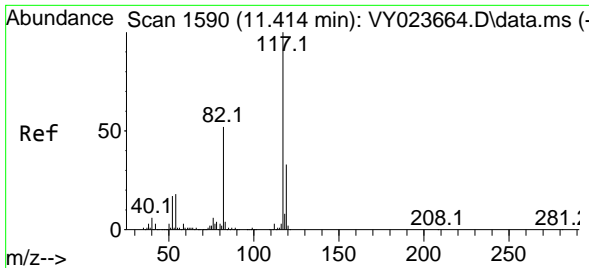
Tgt Ion: 98 Resp: 1417055
 Ion Ratio Lower Upper
 98 100
 100 65.5 52.7 79.1



#62
 4-Bromofluorobenzene
 Concen: 40.411 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.006 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

Tgt Ion: 95 Resp: 386316
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 184.8
 176 90.4 0.0 181.6



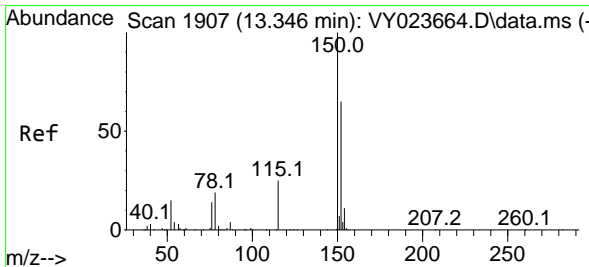
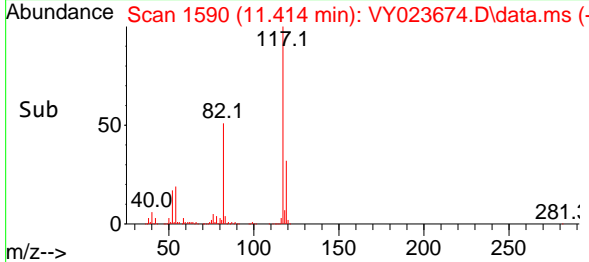
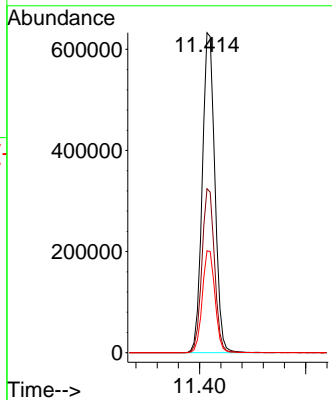
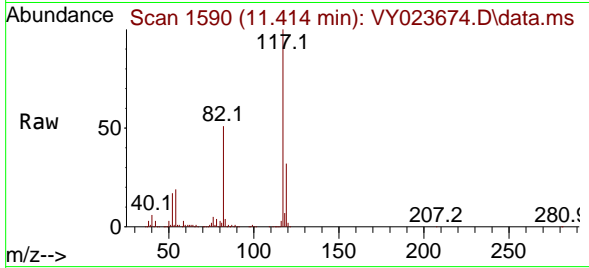


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.414 min Scan# 117
 Delta R.T. 0.000 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT4-2025

Tgt Ion:117 Resp: 1042594

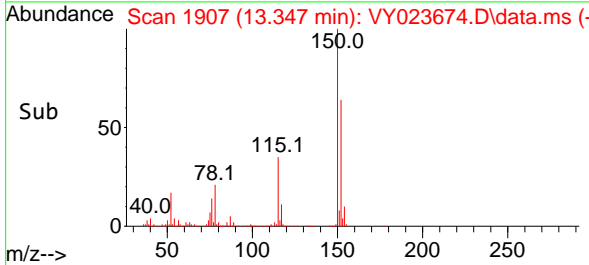
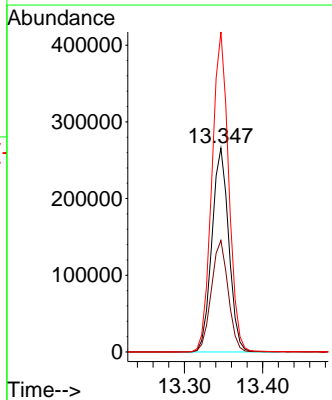
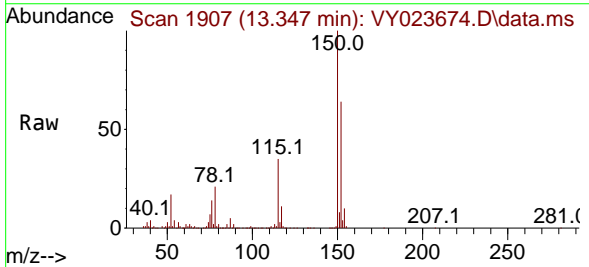
Ion	Ratio	Lower	Upper
117	100		
82	51.2	41.2	61.8
119	31.9	26.2	39.2

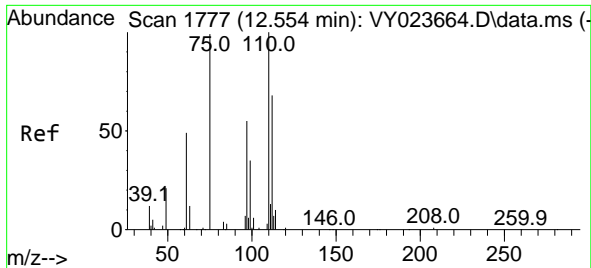


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

Tgt Ion:152 Resp: 397918

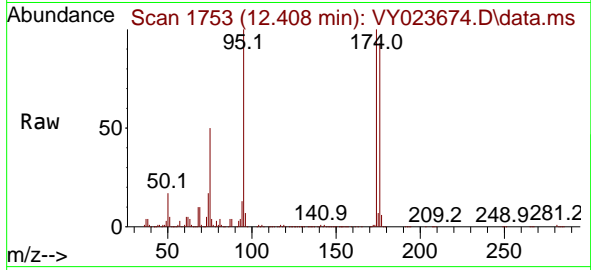
Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.5	82.5
150	156.2	0.0	349.0



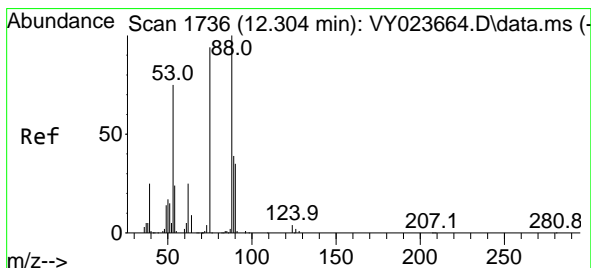
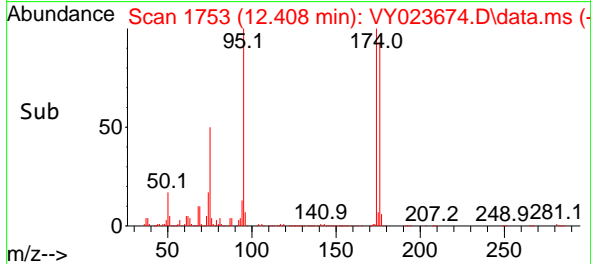
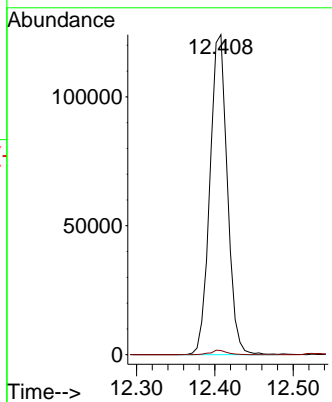


#76
 1,2,3-Trichloropropane
 Concen: 59.584 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT4-2025

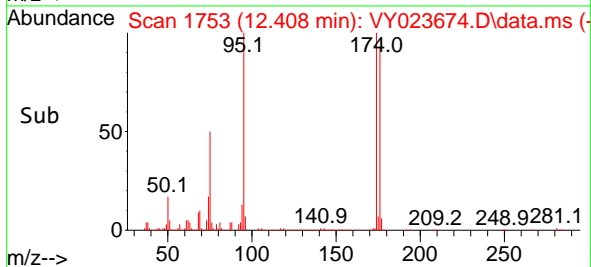
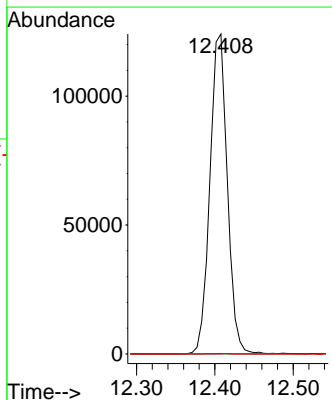
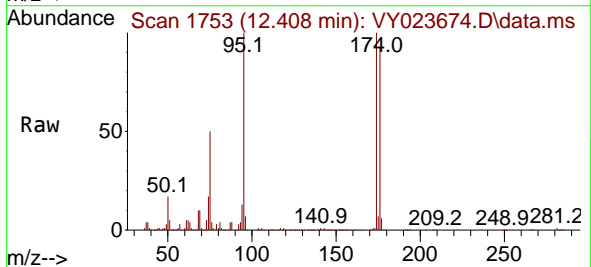


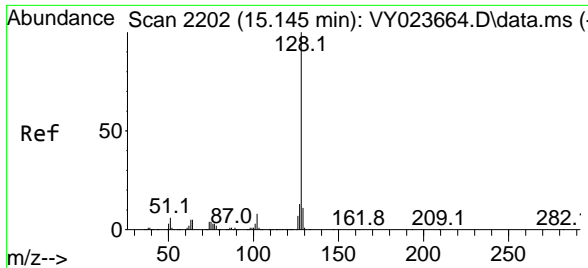
Tgt Ion: 75 Resp: 191885
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.657 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

Tgt Ion: 75 Resp: 191885
 Ion Ratio Lower Upper
 75 100
 53 0.1 69.6 104.4#
 89 0.0 38.2 57.4#





#95
 Naphthalene
 Concen: 5.415 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY023674.D
 Acq: 04 Nov 2025 15:16

Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT4-2025

Tgt Ion	Resp	Lower	Upper
128	100		
127	7.7	10.5	15.7#
129	4.2	8.8	13.2#

