

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001854.D
 Acq On : 04 Mar 2020 15:28
 Operator : SY/MD
 Sample : L161-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Quant Time: Mar 05 05:48:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 05:44:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	176552	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	8.70	114	319844	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.49	117	286344	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.43	152	130705	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.15	65	103230	54.77	ug/l	-0.02
Spiked Amount			Recovery	=	109.54%	
35) Dibromofluoromethane	7.73	113	94600	54.17	ug/l	-0.02
Spiked Amount			Recovery	=	108.34%	
50) Toluene-d8	10.18	98	401168	54.47	ug/l	-0.01
Spiked Amount			Recovery	=	108.94%	
62) 4-Bromofluorobenzene	12.49	95	137020	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.90	85	8905	5.464	ug/l	99
3) Chloromethane	2.12	50	11692	5.321	ug/l	100
4) Vinyl Chloride	2.26	62	11343	5.075	ug/l	97
5) Bromomethane	2.66	94	8706	5.871	ug/l	99
6) Chloroethane	2.80	64	7216	5.140	ug/l	95
7) Trichlorofluoromethane	3.13	101	15732	5.190	ug/l	94
8) Diethyl Ether	3.54	74	6034	5.051	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.90	101	9980	5.119	ug/l	96
10) Methyl Iodide	4.10	142	9566	4.243	ug/l	98
11) Tert butyl alcohol	4.97	59	4910	21.340	ug/l	99
12) 1,1-Dichloroethene	3.88	96	10111	5.151	ug/l	99
13) Acrolein	3.74	56	7210	27.222	ug/l	98
14) Allyl chloride	4.49	41	17201	4.943	ug/l	96
15) Acrylonitrile	5.18	53	15807	24.762	ug/l	98
16) Acetone	3.96	43	12682	23.101	ug/l	93
17) Carbon Disulfide	4.20	76	31831	4.824	ug/l	96
18) Methyl Acetate	4.49	43	7168	5.082	ug/l	100
19) Methyl tert-butyl Ether	5.22	73	26895	5.056	ug/l	98
20) Methylene Chloride	4.74	84	15318	6.511	ug/l	94
21) trans-1,2-Dichloroethene	5.23	96	11330	5.085	ug/l	96
22) Diisopropyl ether	6.13	45	35797	5.018	ug/l	92
23) Vinyl Acetate	6.07	43	113281	24.224	ug/l	99
24) 1,1-Dichloroethane	6.03	63	18786	4.863	ug/l	97
25) 2-Butanone	7.00	43	19765	23.675	ug/l	98
26) 2,2-Dichloropropane	6.99	77	15355	4.843	ug/l	99
27) cis-1,2-Dichloroethene	7.00	96	12140	5.009	ug/l	98
28) Bromochloromethane	7.35	49	8426	4.839	ug/l	99
29) Tetrahydrofuran	7.36	42	13214	23.836	ug/l	96
30) Chloroform	7.52	83	17690	4.874	ug/l	92
31) Cyclohexane	7.80	56	23694	5.721	ug/l	# 76
32) 1,1,1-Trichloroethane	7.71	97	15334	5.013	ug/l	99
36) 1,1-Dichloropropene	7.93	75	14974	4.865	ug/l	99
37) Ethyl Acetate	7.08	43	8600	4.808	ug/l	98
38) Carbon Tetrachloride	7.91	117	12747	4.848	ug/l	91

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001854.D
 Acq On : 04 Mar 2020 15:28
 Operator : SY/MD
 Sample : L161-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Quant Time: Mar 05 05:48:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 05:44:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	20104	4.925	ug/l	98
40) Benzene	8.17	78	45911	5.033	ug/l	97
41) Methacrylonitrile	7.36	41	12406	15.410	ug/l #	23
42) 1,2-Dichloroethane	8.25	62	12094	5.145	ug/l	96
43) Isopropyl Acetate	8.28	43	16725	4.938	ug/l #	87
44) Trichloroethene	8.95	130	11383	5.123	ug/l	96
45) 1,2-Dichloropropane	9.22	63	11360	4.954	ug/l	96
46) Dibromomethane	9.32	93	5849	4.949	ug/l	97
47) Bromodichloromethane	9.50	83	13400	4.874	ug/l	97
48) Methyl methacrylate	9.30	41	7680	5.110	ug/l	97
49) 1,4-Dioxane	9.31	88	1500	92.629	ug/l #	92
51) 4-Methyl-2-Pentanone	10.08	43	42424	24.319	ug/l	98
52) Toluene	10.25	92	28002	5.053	ug/l	98
53) t-1,3-Dichloropropene	10.47	75	13667	4.563	ug/l	96
54) cis-1,3-Dichloropropene	9.93	75	16823	4.718	ug/l	100
55) 1,1,2-Trichloroethane	10.65	97	8559	4.949	ug/l	98
56) Ethyl methacrylate	10.52	69	12248	4.831	ug/l	92
57) 1,3-Dichloropropane	10.80	76	15293	4.960	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	21355	21.244	ug/l	99
59) 2-Hexanone	10.84	43	29142	23.405	ug/l	100
60) Dibromochloromethane	10.99	129	8451	4.637	ug/l	100
61) 1,2-Dibromoethane	11.09	107	7701	4.701	ug/l	98
64) Tetrachloroethene	10.72	164	9185	5.115	ug/l	85
65) Chlorobenzene	11.52	112	28387	4.975	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.59	131	8948	4.782	ug/l	98
67) Ethyl Benzene	11.60	91	52519	4.936	ug/l	100
68) m/p-Xylenes	11.71	106	38209	9.713	ug/l	98
69) o-Xylene	12.03	106	18049	4.868	ug/l	98
70) Styrene	12.05	104	30106	4.741	ug/l	99
71) Bromoform	12.21	173	4323	4.260	ug/l #	92
73) Isopropylbenzene	12.33	105	48565	4.867	ug/l	99
74) N-amyl acetate	12.14	43	15180	4.950	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.58	83	10331	4.801	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	13228	8.529	ug/l #	100
77) Bromobenzene	12.61	156	10336	4.889	ug/l	98
78) n-propylbenzene	12.67	91	61358	4.985	ug/l	99
79) 2-Chlorotoluene	12.76	91	33378	4.908	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	40754	4.961	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.38	75	3461	4.508	ug/l	97
82) 4-Chlorotoluene	12.86	91	35665	5.037	ug/l	99
83) tert-Butylbenzene	13.08	119	32824	4.811	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	41293	5.066	ug/l	100
85) sec-Butylbenzene	13.25	105	49367	4.909	ug/l	100
86) p-Isopropyltoluene	13.37	119	44035	5.076	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	21080	5.089	ug/l	99
88) 1,4-Dichlorobenzene	13.45	146	21551	5.128	ug/l	93
89) n-Butylbenzene	13.70	91	46026	5.114	ug/l	97
90) Hexachloroethane	13.96	117	7455	4.555	ug/l	96
91) 1,2-Dichlorobenzene	13.74	146	18588	4.939	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1574	4.688	ug/l	90

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
Data File : VY001854.D
Acq On : 04 Mar 2020 15:28
Operator : SY/MD
Sample : L161-02 5PPBL00
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Quant Time: Mar 05 05:48:14 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 05 05:44:43 2020
Response via : Initial Calibration

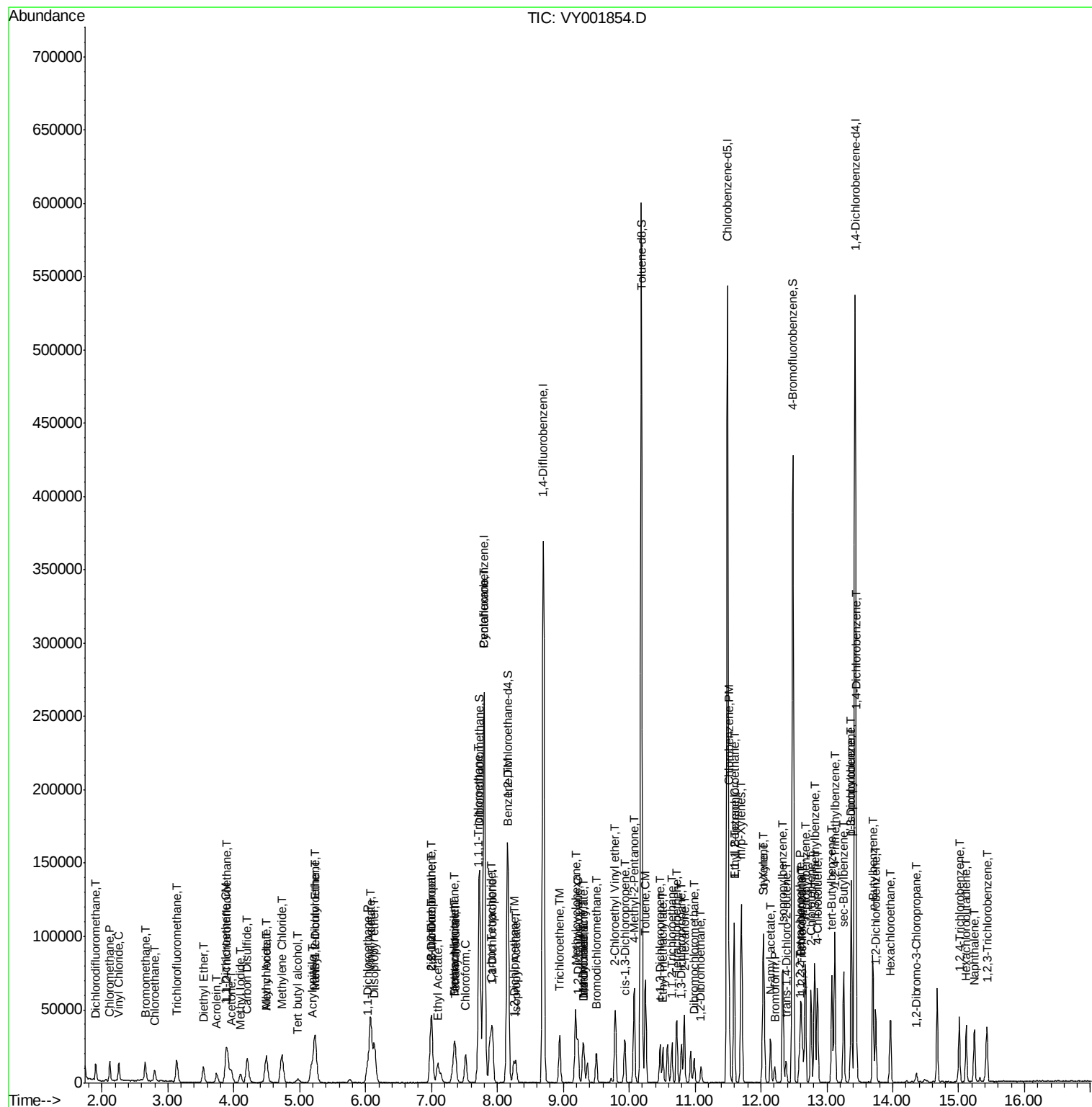
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	12377	5.071	ug/l	98
94) Hexachlorobutadiene	15.11	225	6255	5.257	ug/l	97
95) Naphthalene	15.24	128	28031	4.842	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	11314	5.262	ug/l	97

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001854.D
 Acq On : 04 Mar 2020 15:28
 Operator : SY/MD
 Sample : L161-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

Quant Time: Mar 05 05:48:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 05:44:43 2020
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

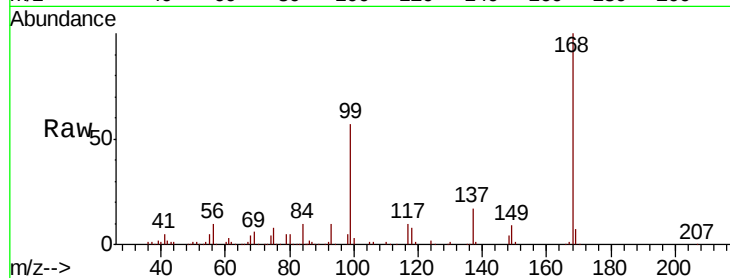
LOQ-SOIL-02-QT1-2020

Tot Ion:168 Resp: 176552

Ion Ratio Lower Upper

168 100

99 56.8 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.80

80000

60000

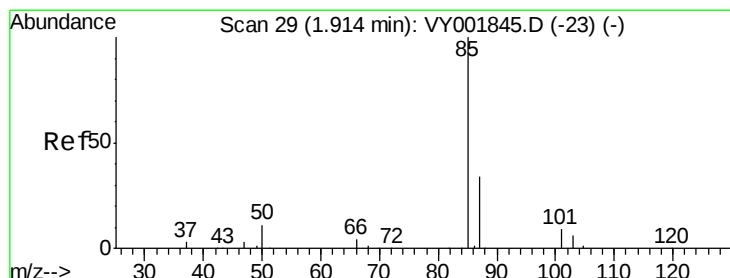
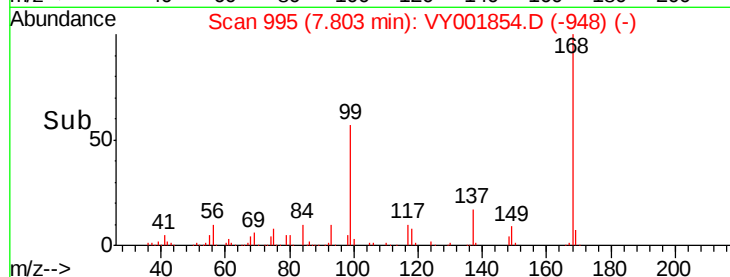
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 5.464 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.01 min

Lab File: VY001854.D

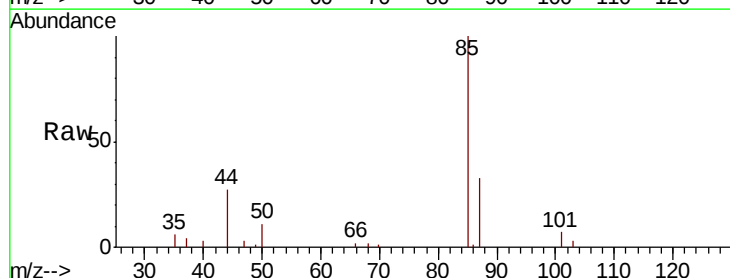
Acq: 04 Mar 2020 15:28

Tgt Ion: 85 Resp: 8905

Ion Ratio Lower Upper

85 100

87 33.1 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.90

6000

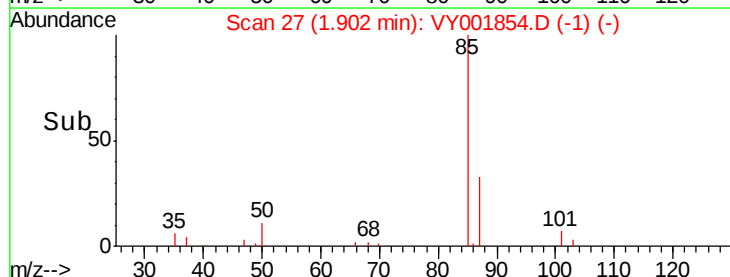
4000

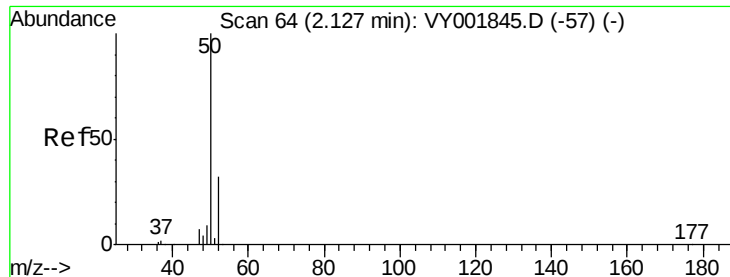
2000

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 5.321 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

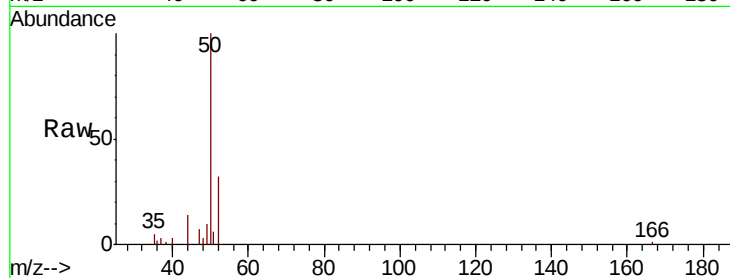
LOQ-SOIL-02-QT1-2020

Tot Ion: 50 Resp: 11692

Ion Ratio Lower Upper

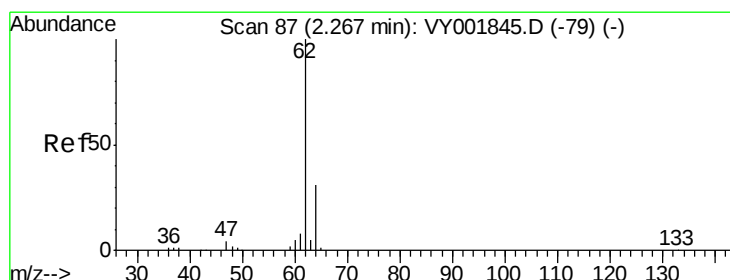
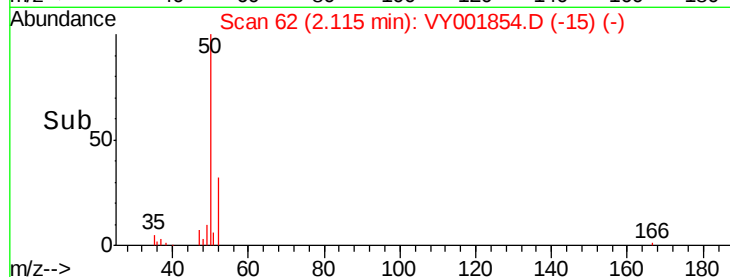
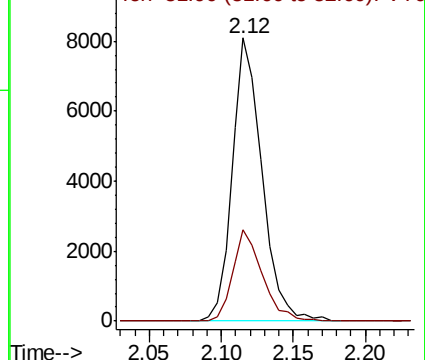
50 100

52 32.2 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0



#4

Vinyl Chloride

Concen: 5.075 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001854.D

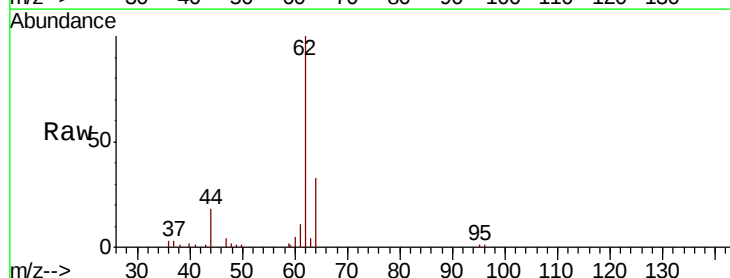
Acq: 04 Mar 2020 15:28

Tgt Ion: 62 Resp: 11343

Ion Ratio Lower Upper

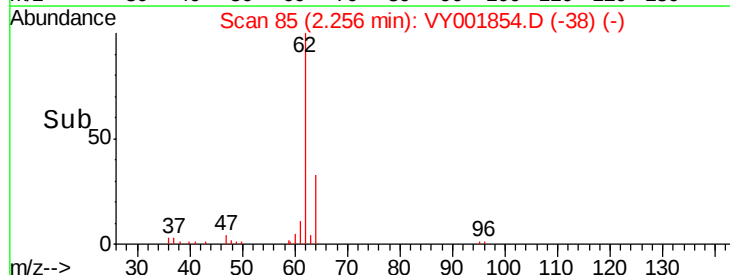
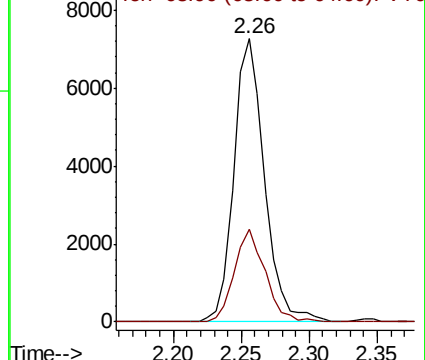
62 100

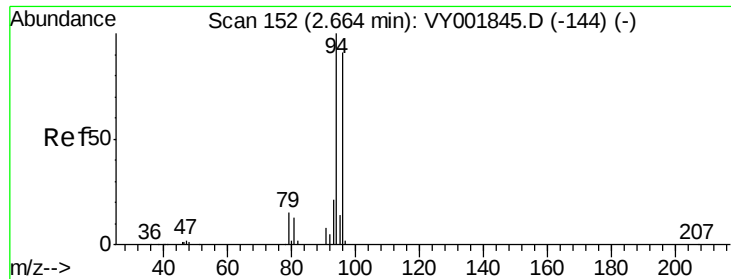
64 32.8 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0





#5

Bromomethane

Concen: 5.871 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

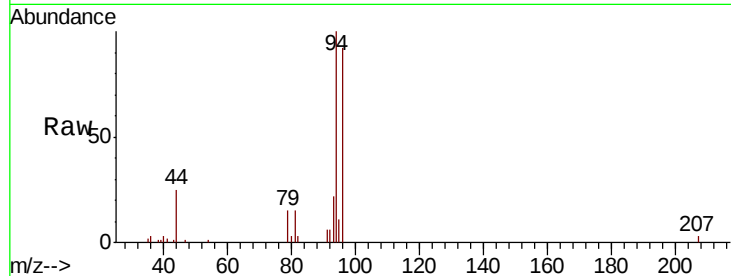
LOQ-SOIL-02-QT1-2020

Tot Ion: 94 Resp: 8706

Ion Ratio Lower Upper

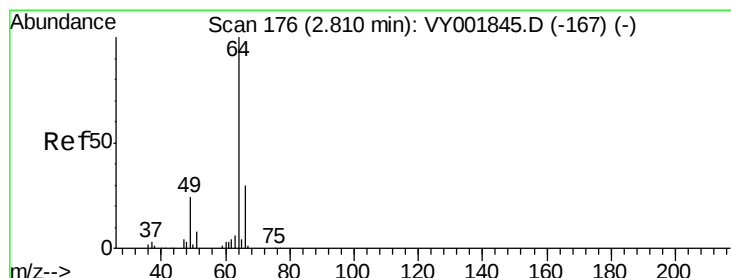
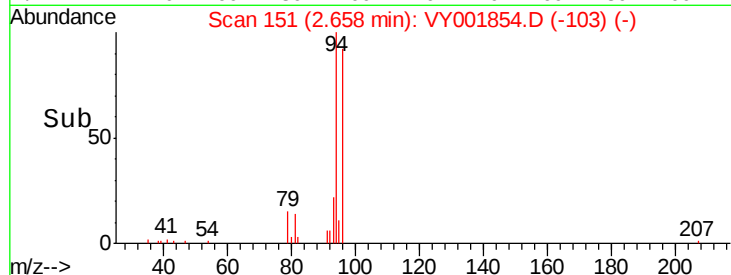
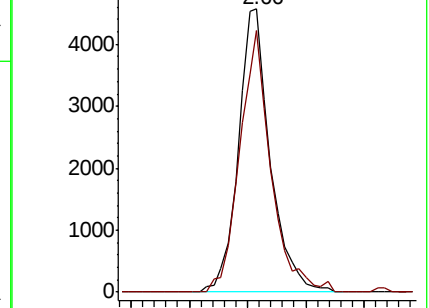
94 100

96 92.3 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)



#6

Chloroethane

Concen: 5.140 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.01 min

Lab File: VY001854.D

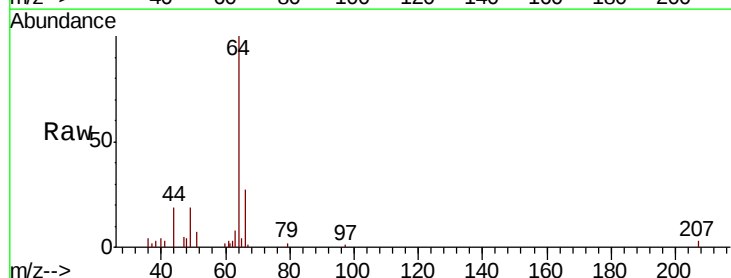
Acq: 04 Mar 2020 15:28

Tgt Ion: 64 Resp: 7216

Ion Ratio Lower Upper

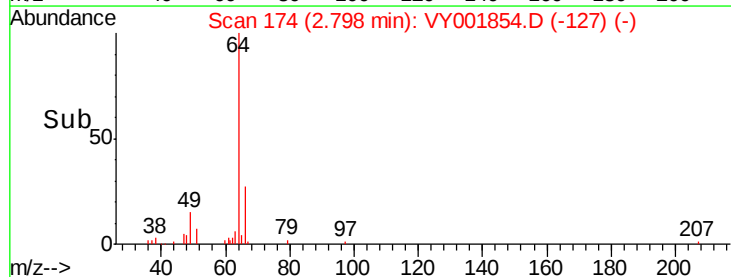
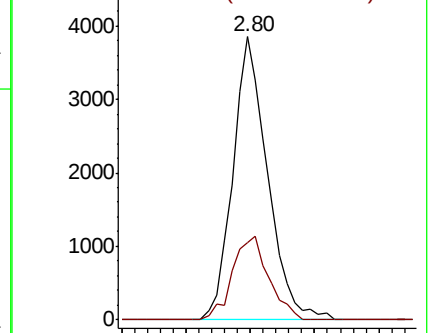
64 100

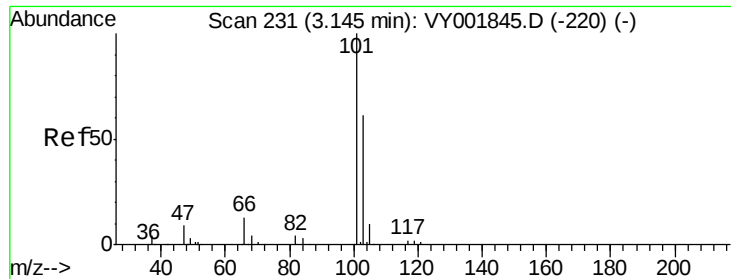
66 27.2 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY001845.D (-167) (-)

Ion 65.90 (65.60 to 66.60): VY001845.D (-167) (-)





#7

Trichlorofluoromethane

Concen: 5.190 ug/l

RT: 3.13 min Scan# 229

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

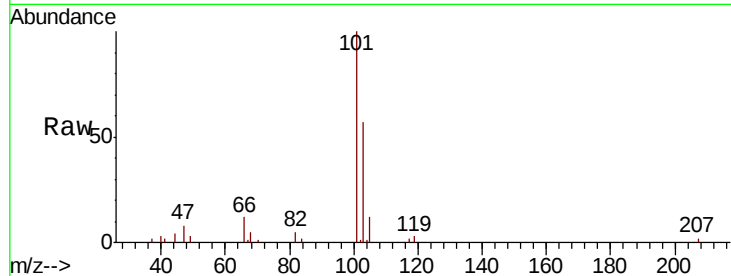
LOQ-SOIL-02-QT1-2020

Tot Ion:101 Resp: 15732

Ion Ratio Lower Upper

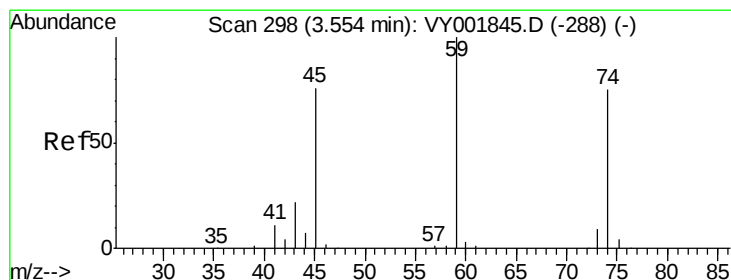
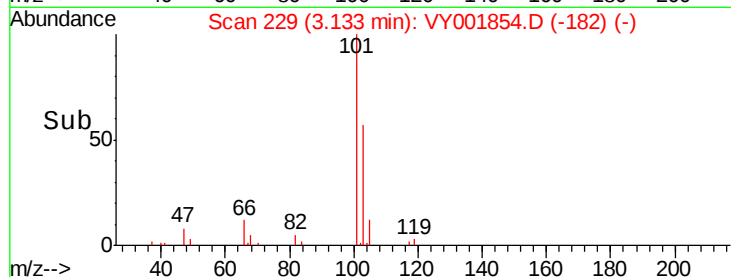
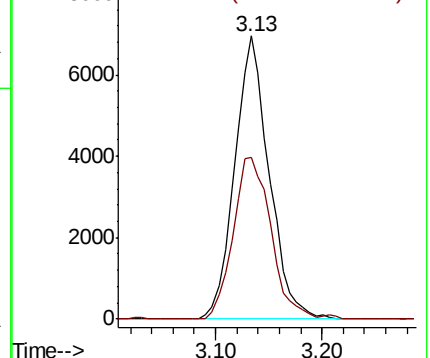
101 100

103 57.1 49.1 73.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.051 ug/l

RT: 3.54 min Scan# 295

Delta R.T. -0.02 min

Lab File: VY001854.D

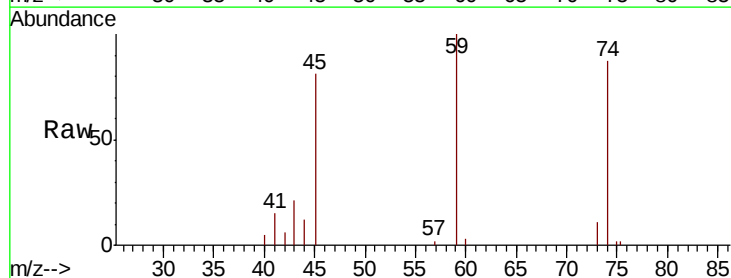
Acq: 04 Mar 2020 15:28

Tgt Ion: 74 Resp: 6034

Ion Ratio Lower Upper

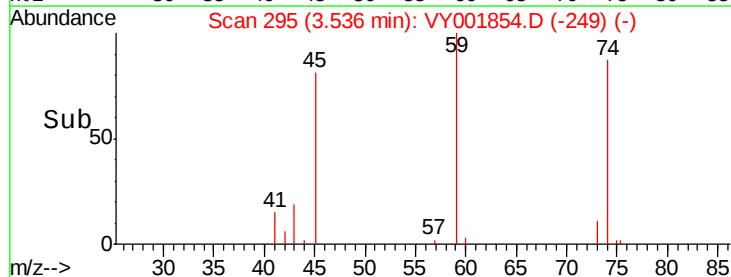
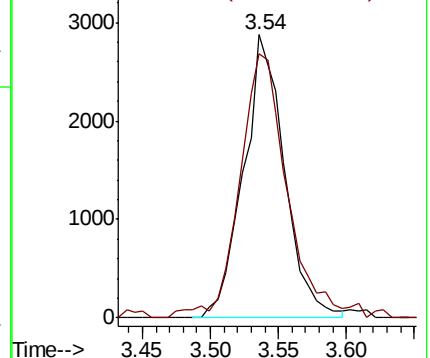
74 100

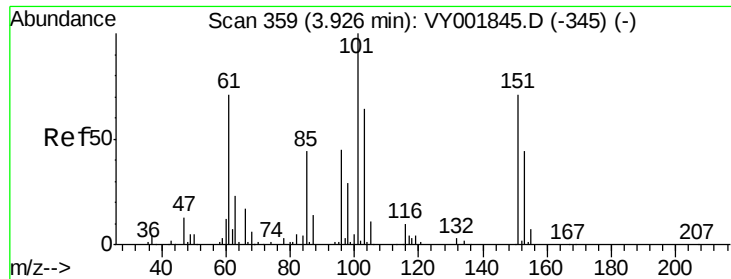
45 109.5 50.5 151.5



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.119 ug/l

RT: 3.90 min Scan# 355

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

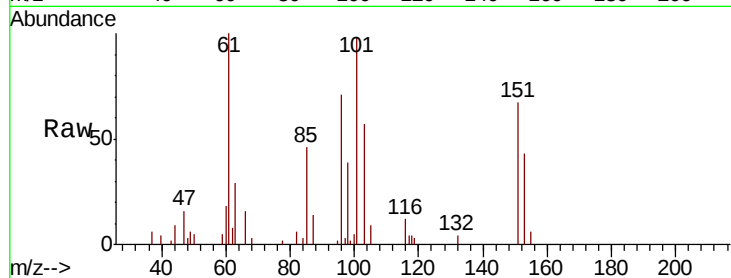
Tot Ion:101 Resp: 9980

Ion Ratio Lower Upper

101 100

85 41.8 35.3 52.9

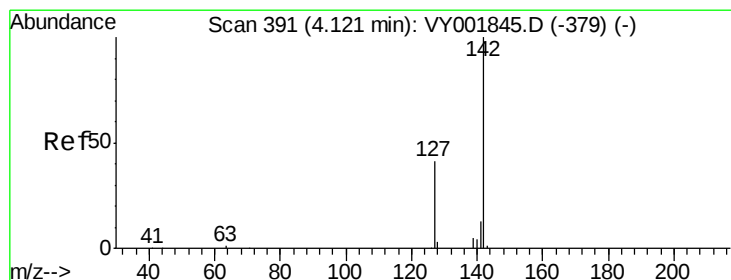
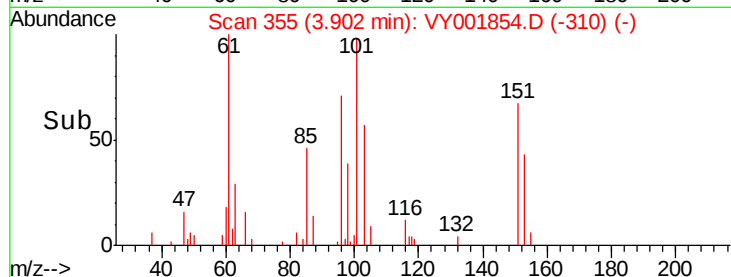
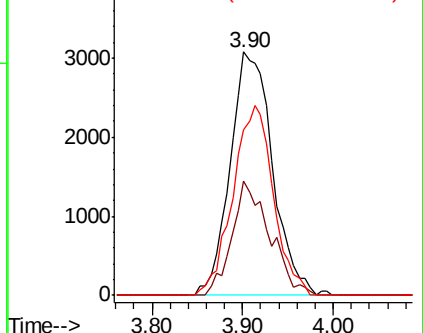
151 74.5 57.0 85.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.243 ug/l

RT: 4.10 min Scan# 387

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

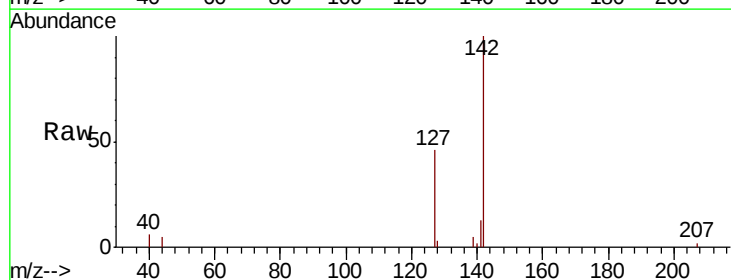
Tgt Ion:142 Resp: 9566

Ion Ratio Lower Upper

142 100

127 38.9 32.7 49.1

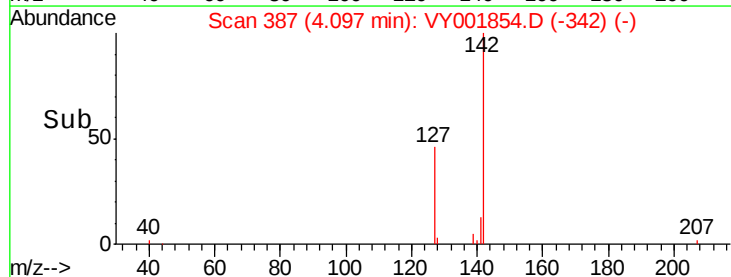
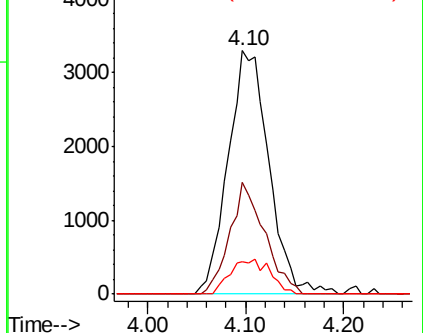
141 13.8 11.0 16.6

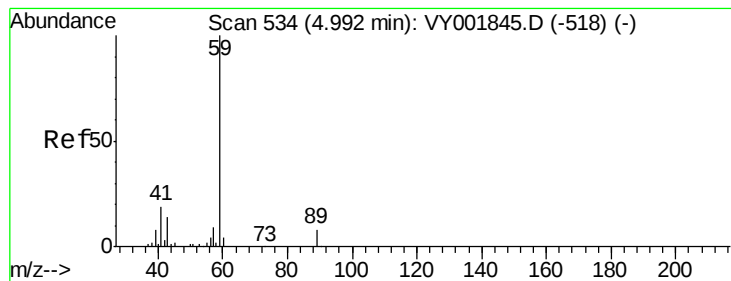


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



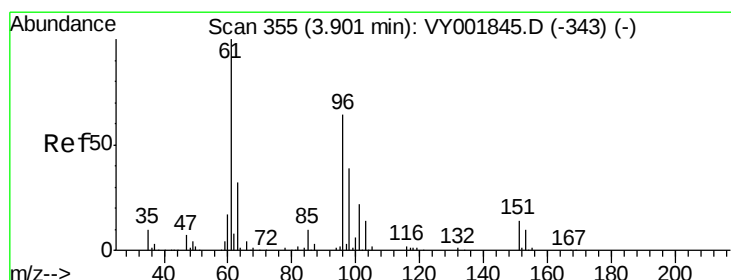
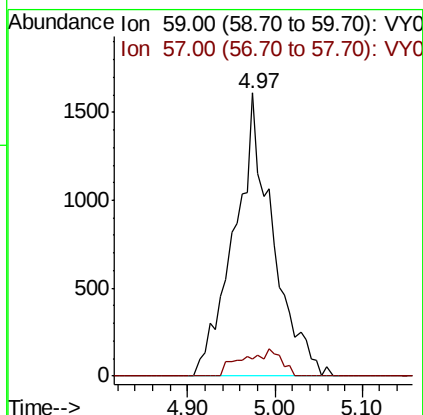
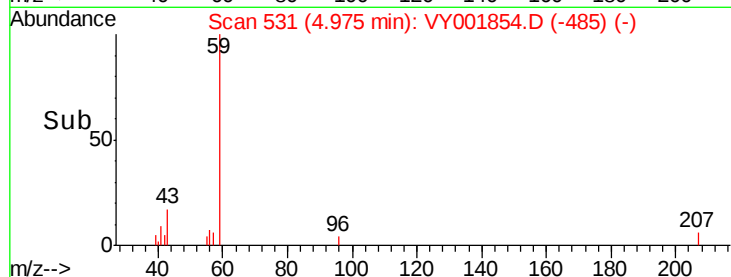
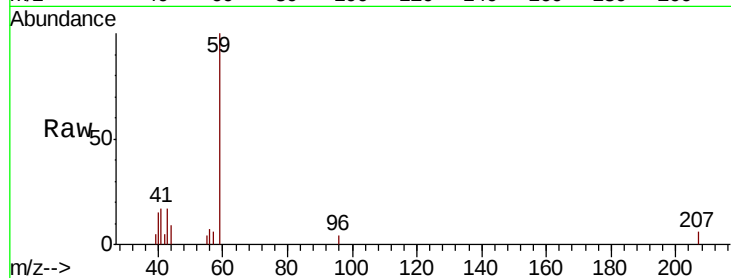


#11

Tert butyl alcohol
Concen: 21.340 ug/l
RT: 4.97 min Scan# 531
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

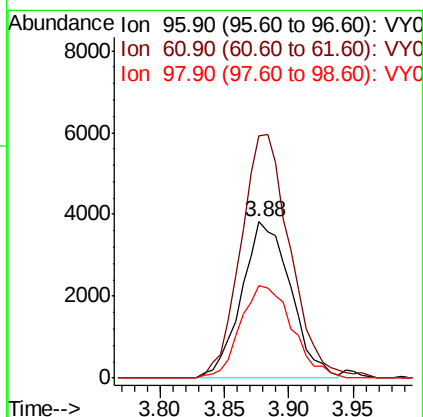
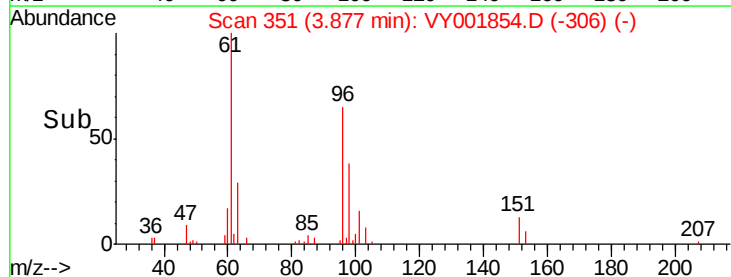
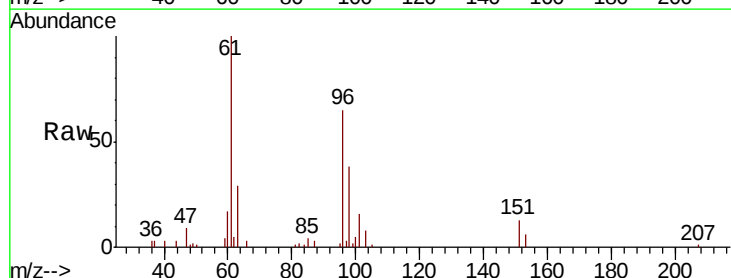
Tot Ion: 59 Resp: 4910
Ion Ratio Lower Upper
59 100
57 9.6 7.4 11.2

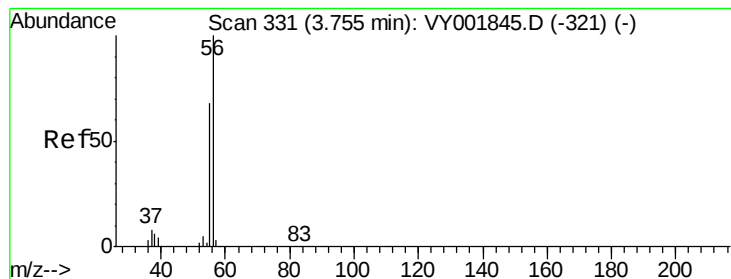


#12

1,1-Dichloroethene
Concen: 5.151 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 96 Resp: 10111
Ion Ratio Lower Upper
96 100
61 155.0 124.8 187.2
98 59.4 49.2 73.8





#13

Acrolein

Concen: 27.222 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

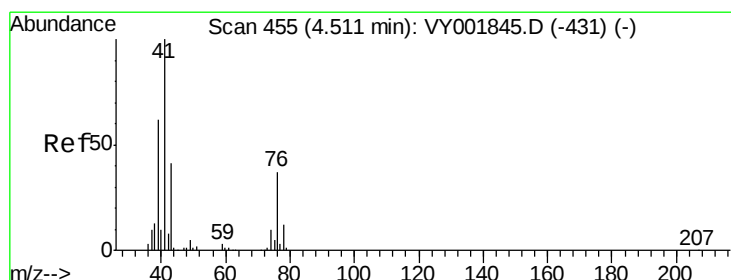
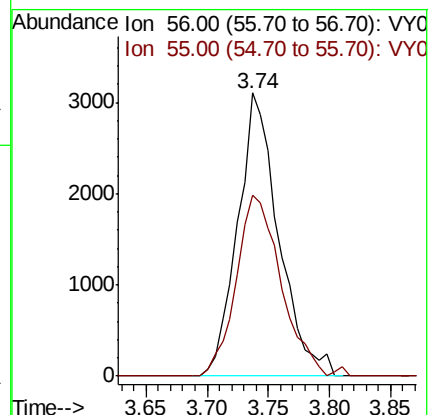
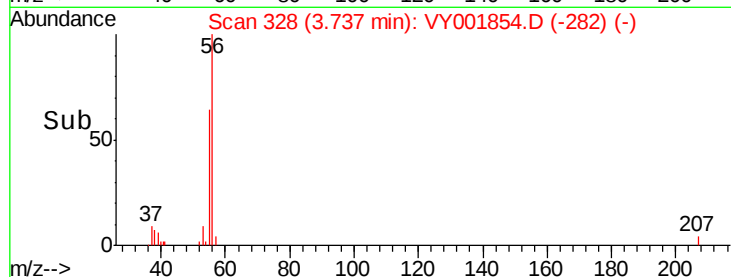
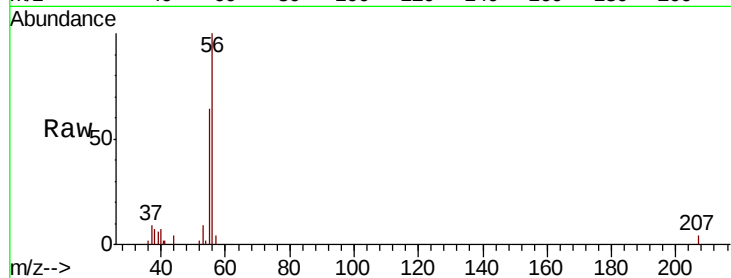
LOQ-SOIL-02-QT1-2020

Tot Ion: 56 Resp: 7210

Ion Ratio Lower Upper

56 100

55 69.5 54.0 81.0



#14

Allyl chloride

Concen: 4.943 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

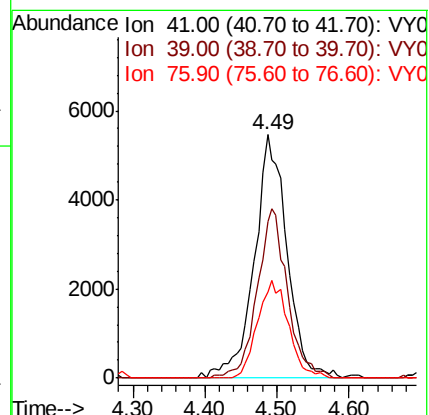
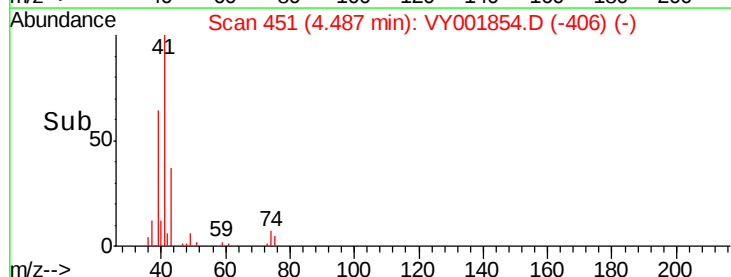
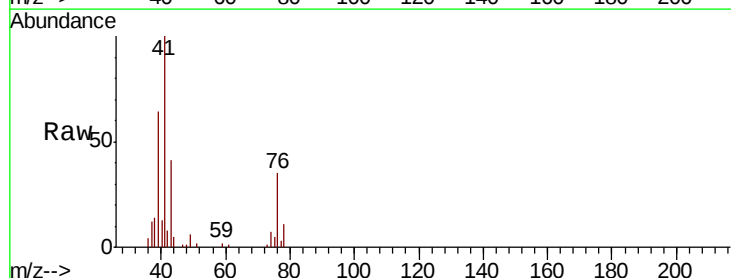
Tgt Ion: 41 Resp: 17201

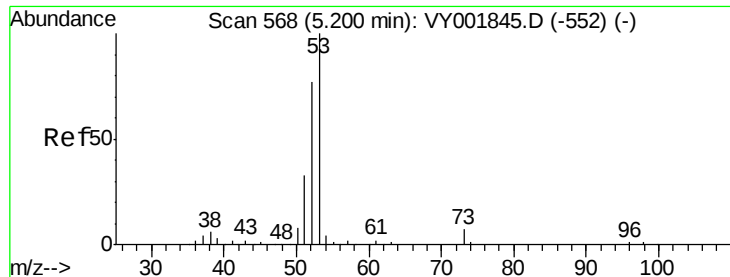
Ion Ratio Lower Upper

41 100

39 64.4 49.0 73.6

76 38.0 28.9 43.3





#15

Acrylonitrile

Concen: 24.762 ug/l

RT: 5.18 min Scan# 565

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

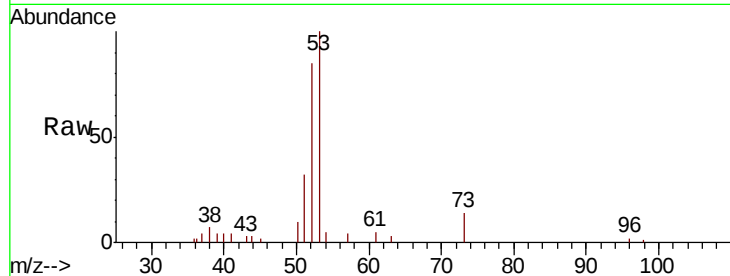
Tot Ion: 53 Resp: 15807

Ion Ratio Lower Upper

53 100

52 80.4 65.1 97.7

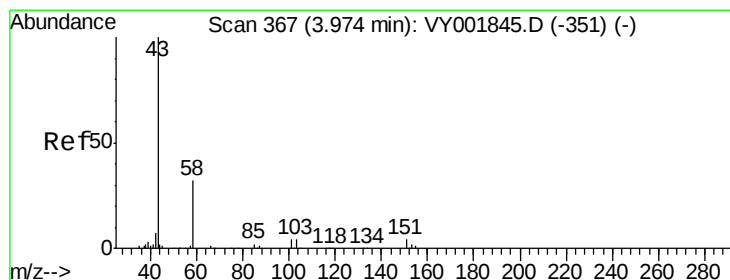
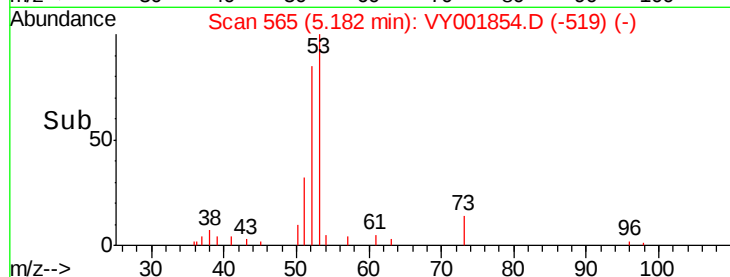
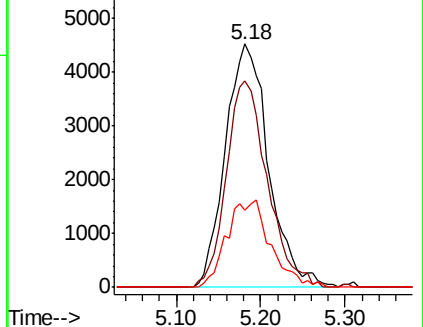
51 36.4 27.5 41.3



Abundance Ion 53.00 (52.70 to 53.70): VY001845.D (-552) (-)

Ion 52.00 (51.70 to 52.70): VY001845.D (-552) (-)

Ion 51.00 (50.70 to 51.70): VY001845.D (-552) (-)



#16

Acetone

Concen: 23.101 ug/l

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VY001854.D

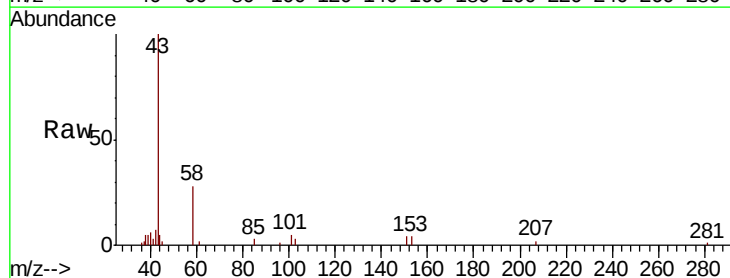
Acq: 04 Mar 2020 15:28

Tgt Ion: 43 Resp: 12682

Ion Ratio Lower Upper

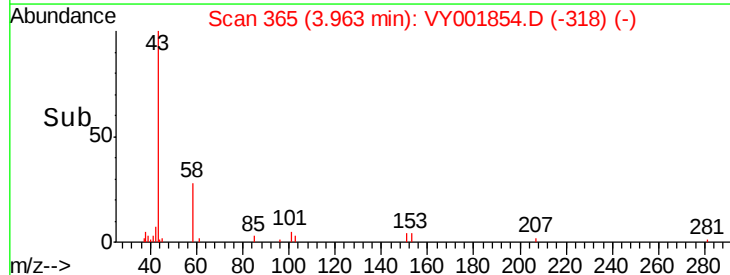
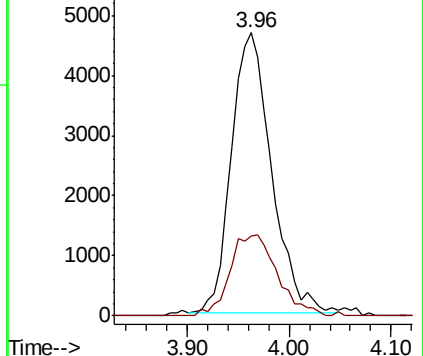
43 100

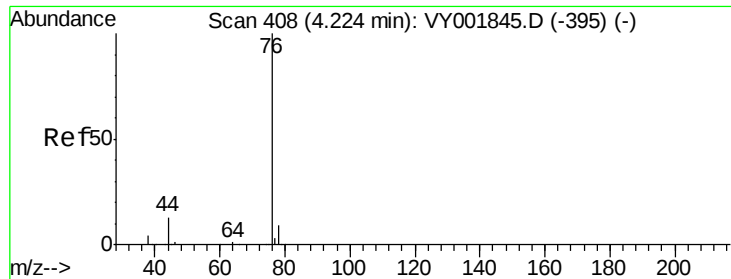
58 28.4 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)

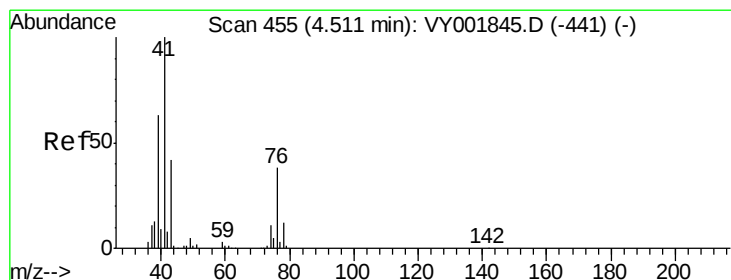
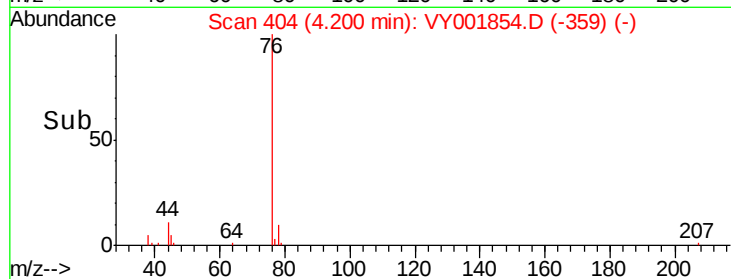
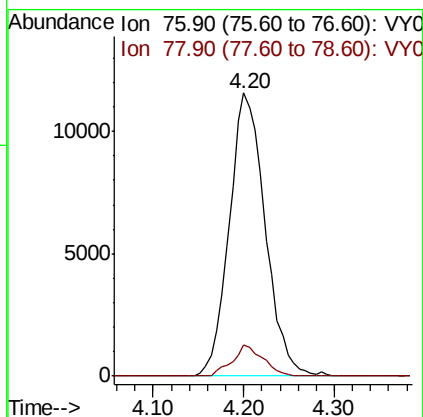
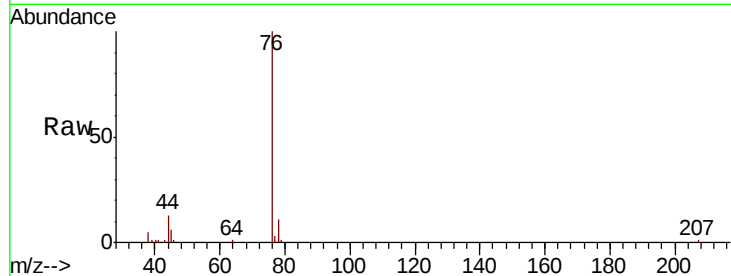




#17
Carbon Disulfide
Concen: 4.824 ug/l
RT: 4.20 min Scan# 404
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

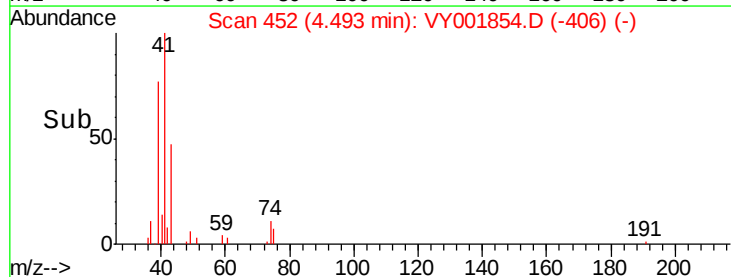
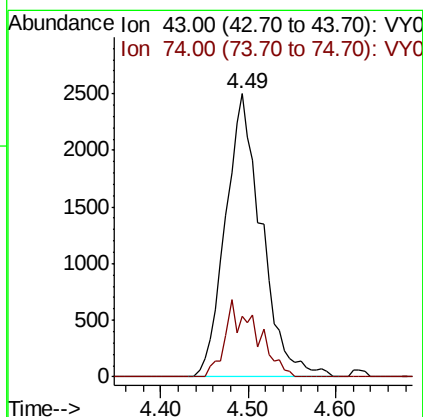
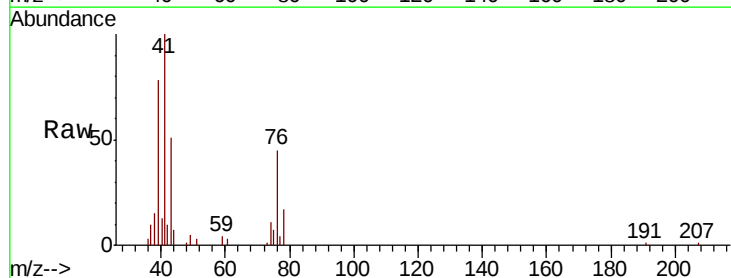
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

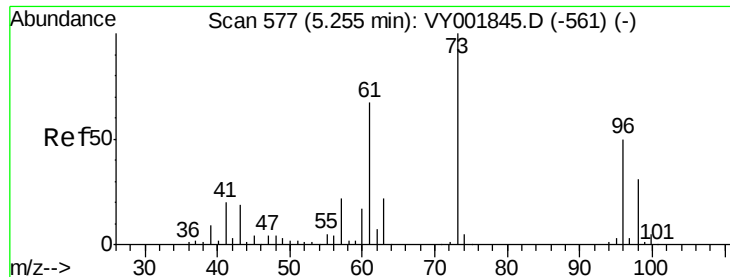
Tot Ion: 76 Resp: 31831
Ion Ratio Lower Upper
76 100
78 10.9 7.4 11.2



#18
Methyl Acetate
Concen: 5.082 ug/l
RT: 4.49 min Scan# 452
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 43 Resp: 7168
Ion Ratio Lower Upper
43 100
74 23.7 19.0 28.6

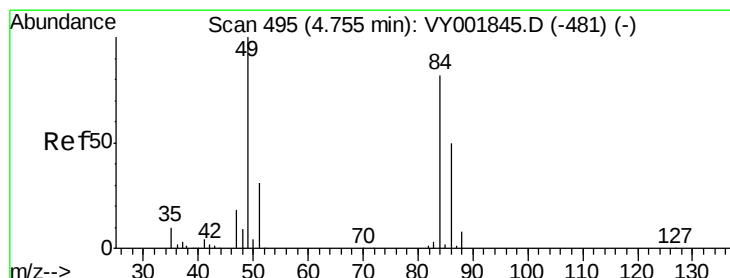
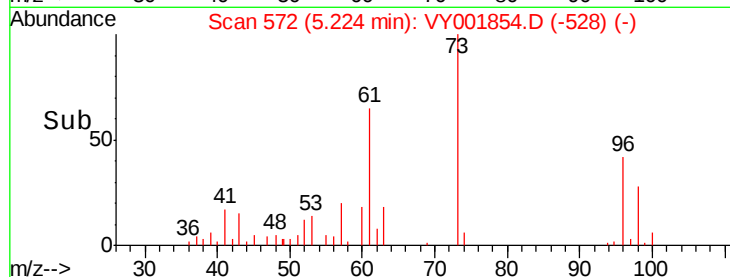
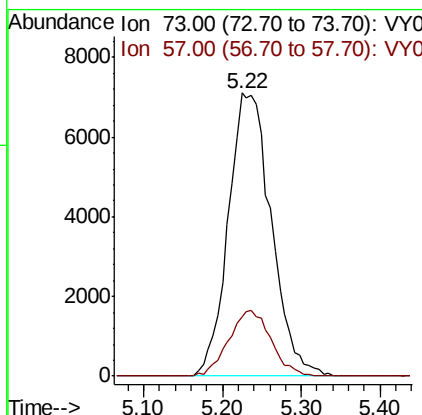
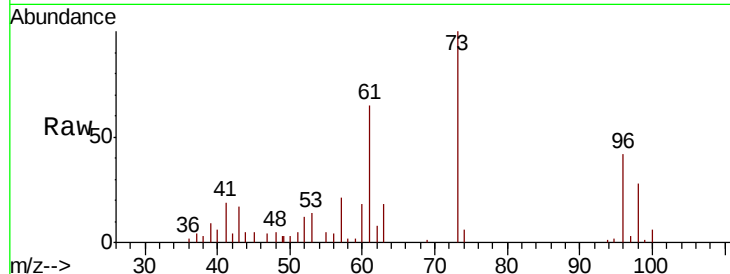




#19
Methyl tert-butyl Ether
Concen: 5.056 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.03 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

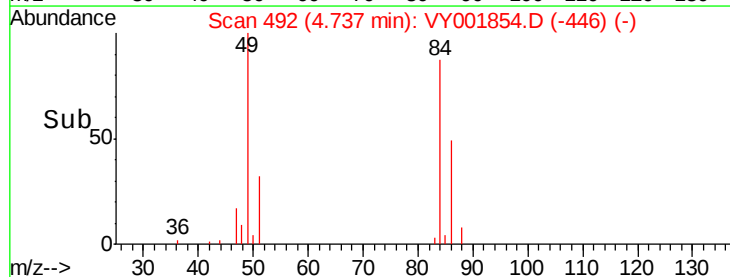
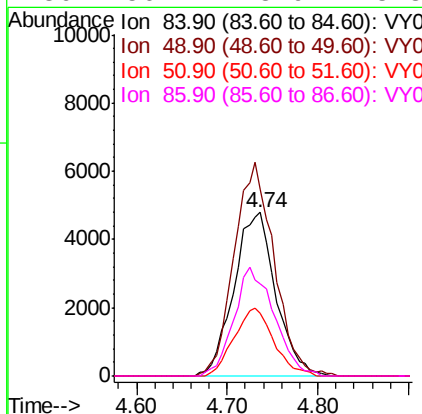
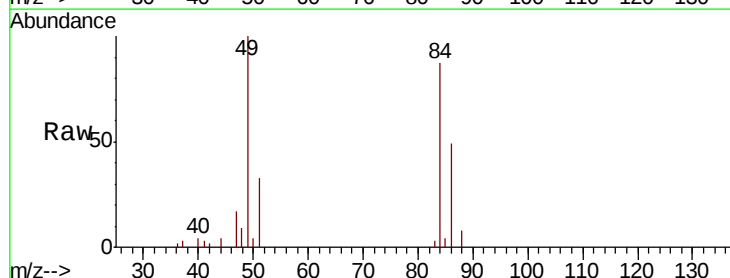
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

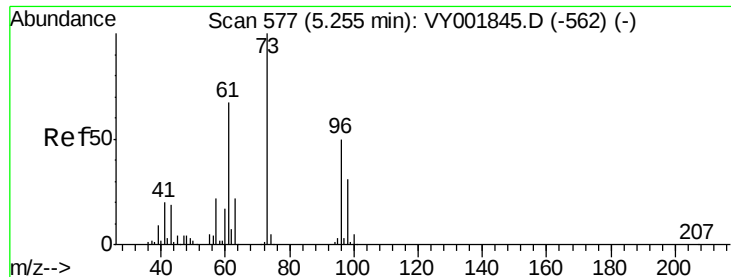
Tot Ion: 73 Resp: 26895
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.2



#20
Methylene Chloride
Concen: 6.511 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 84 Resp: 15318
Ion Ratio Lower Upper
84 100
49 114.7 98.2 147.2
51 38.2 30.2 45.2
86 56.7 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 5.085 ug/l

RT: 5.23 min Scan# 573

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

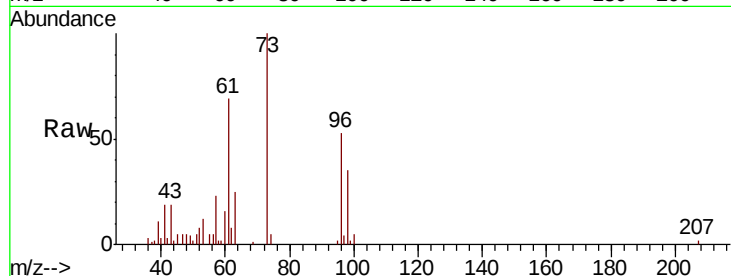
Tot Ion: 96 Resp: 11330

Ion Ratio Lower Upper

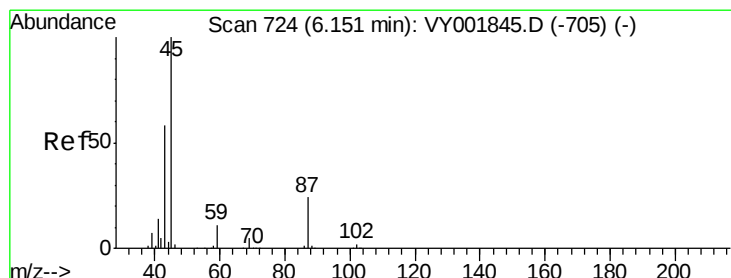
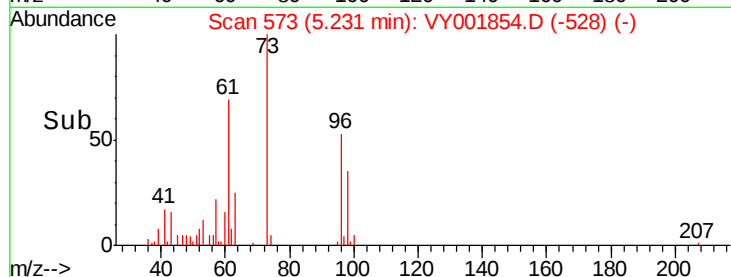
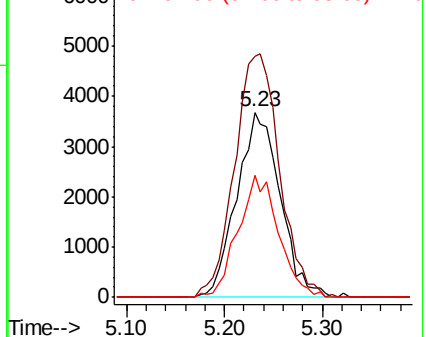
96 100

61 130.5 107.7 161.5

98 66.3 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 5.018 ug/l

RT: 6.13 min Scan# 721

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Tgt Ion: 45 Resp: 35797

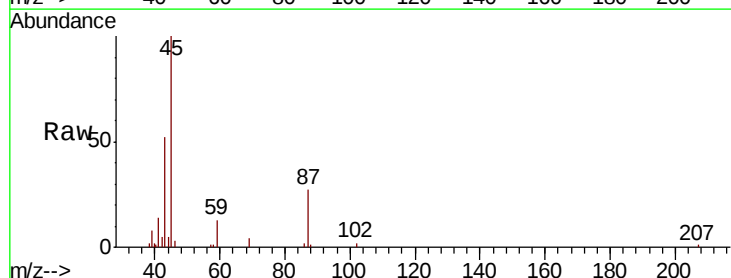
Ion Ratio Lower Upper

45 100

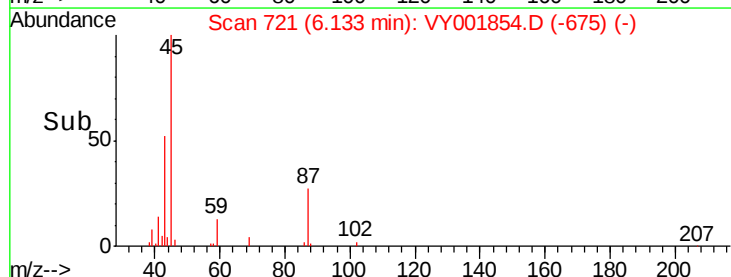
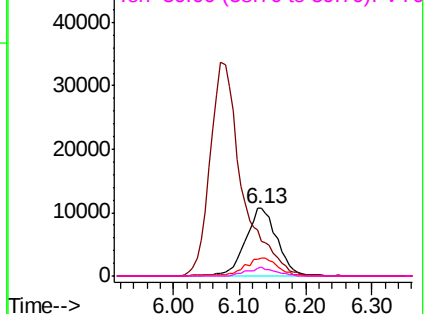
43 51.1 47.2 70.8

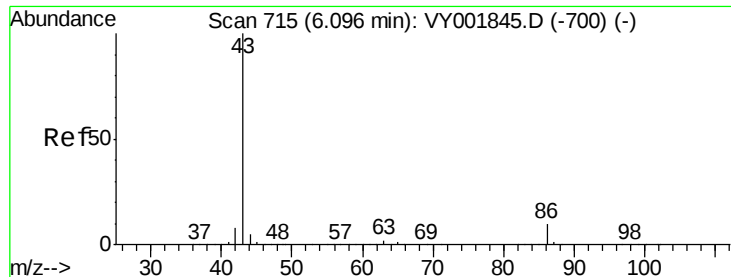
87 27.1 19.8 29.8

59 12.9 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 24.224 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

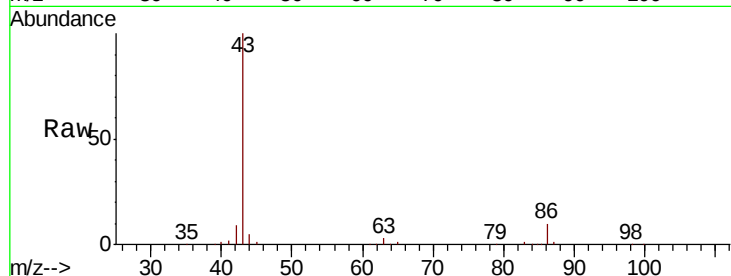
LOQ-SOIL-02-QT1-2020

Tot Ion: 43 Resp: 113281

Ion Ratio Lower Upper

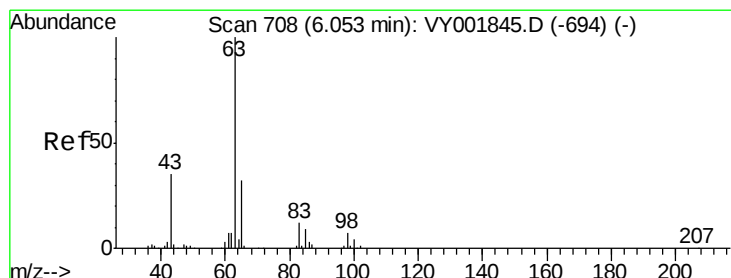
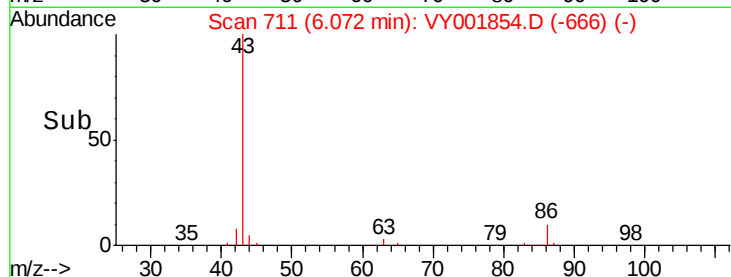
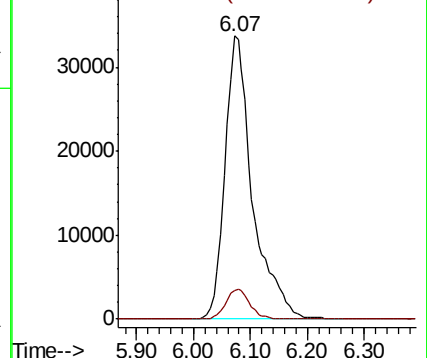
43 100

86 10.1 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 4.863 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

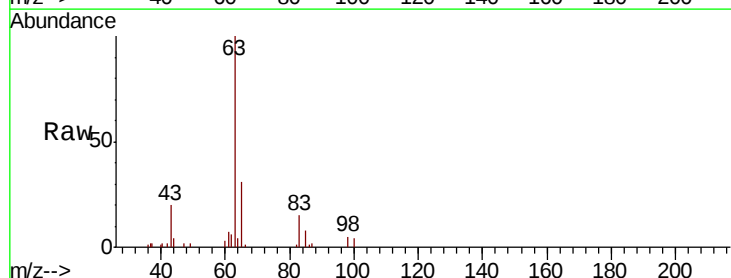
Tgt Ion: 63 Resp: 18786

Ion Ratio Lower Upper

63 100

98 5.1 3.4 10.2

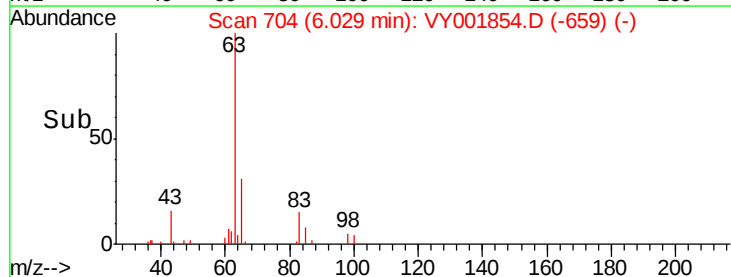
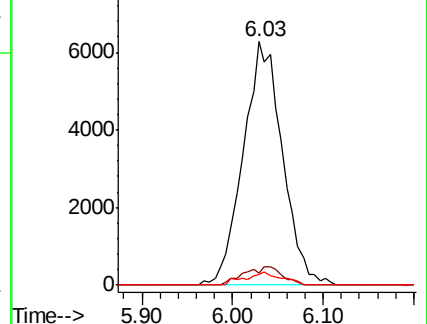
100 4.4 2.0 6.0

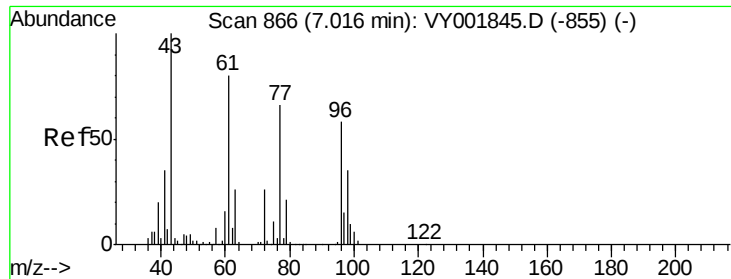


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

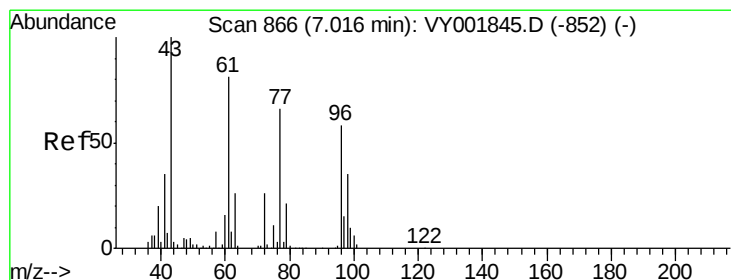
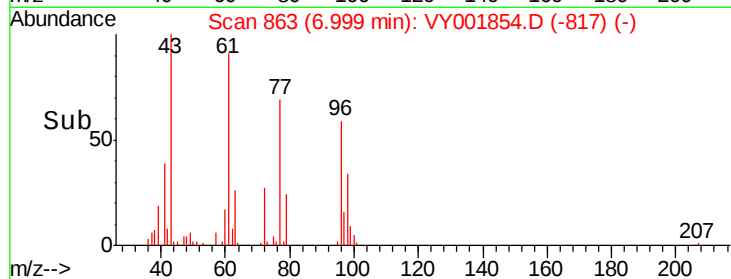
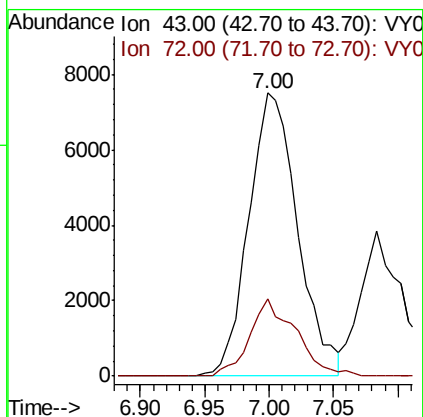
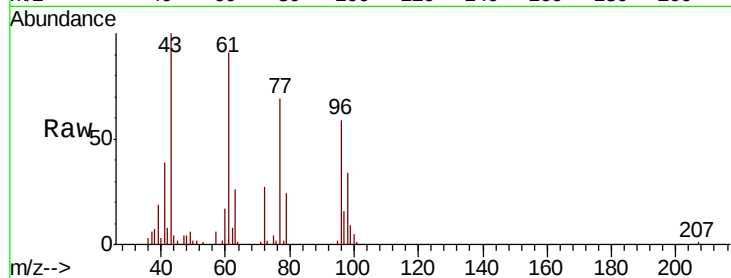




#25
2-Butanone
Concen: 23.675 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

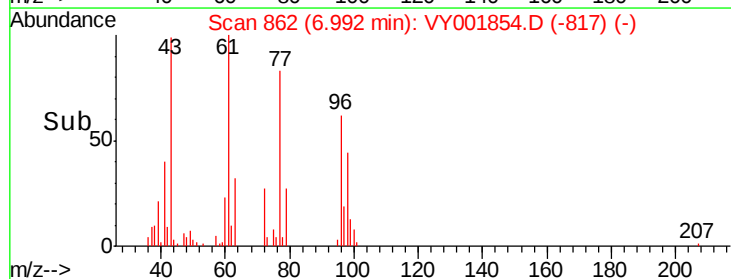
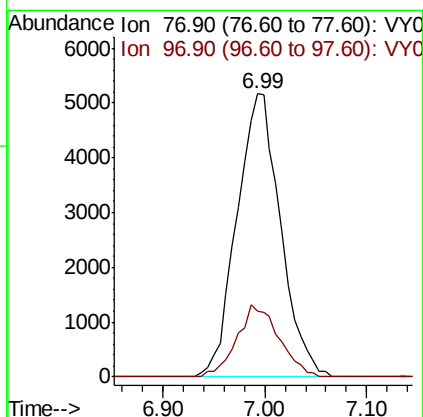
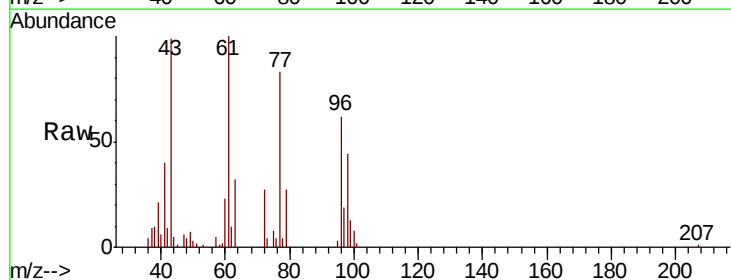
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

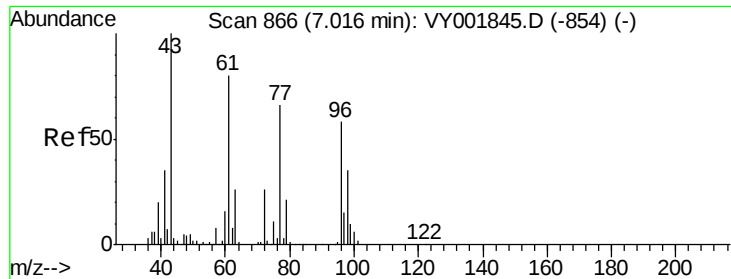
Tot Ion: 43 Resp: 19765
Ion Ratio Lower Upper
43 100
72 27.3 20.9 31.3



#26
2,2-Dichloropropane
Concen: 4.843 ug/l
RT: 6.99 min Scan# 862
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 77 Resp: 15355
Ion Ratio Lower Upper
77 100
97 24.5 11.9 35.7





#27

cis-1,2-Dichloroethene

Concen: 5.009 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

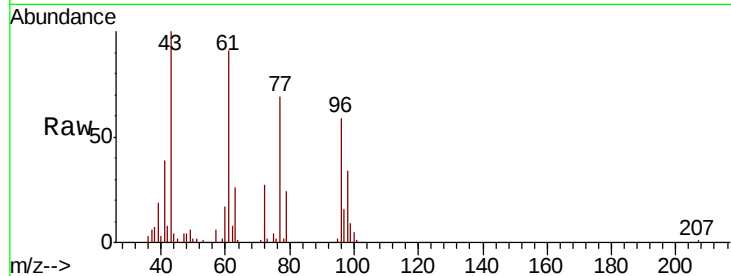
Tot Ion: 96 Resp: 12140

Ion Ratio Lower Upper

96 100

61 146.9 0.0 288.2

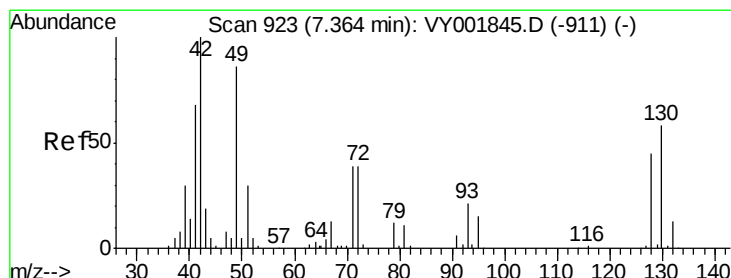
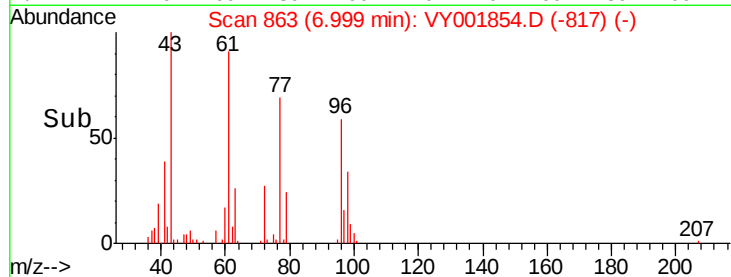
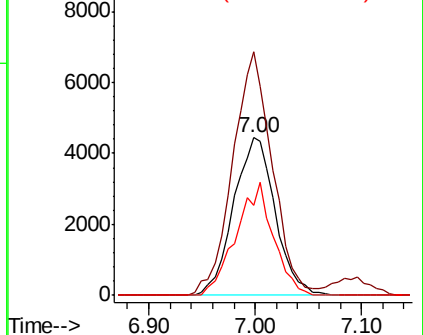
98 64.2 0.0 129.0



Abundance Ion 95.90 (95.60 to 96.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

Ion 97.90 (97.60 to 98.60): VY0



#28

Bromochloromethane

Concen: 4.839 ug/l

RT: 7.35 min Scan# 920

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

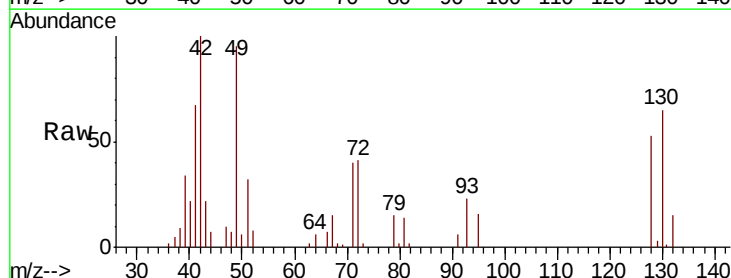
Tgt Ion: 49 Resp: 8426

Ion Ratio Lower Upper

49 100

129 0.7 0.0 3.8

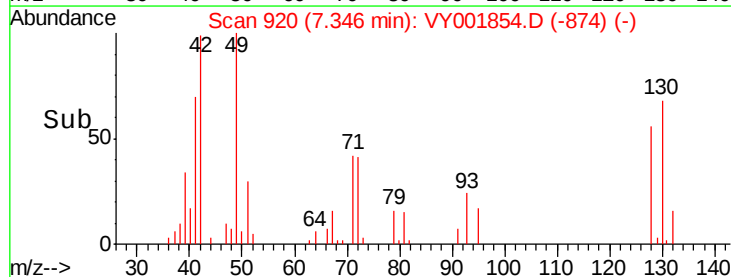
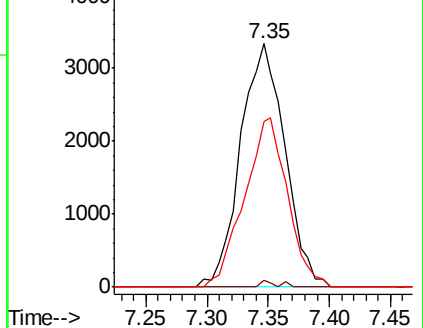
130 67.6 54.4 81.6

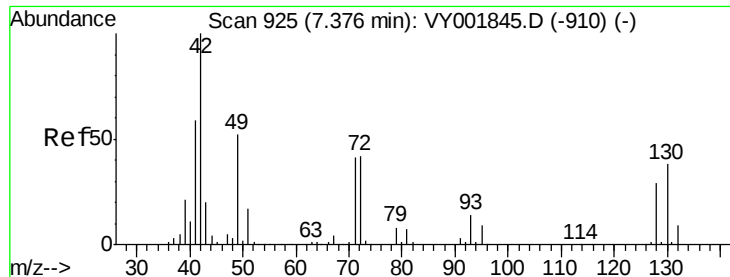


Abundance Ion 48.90 (48.60 to 49.60): VY0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 23.836 ug/l

RT: 7.36 min Scan# 923

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

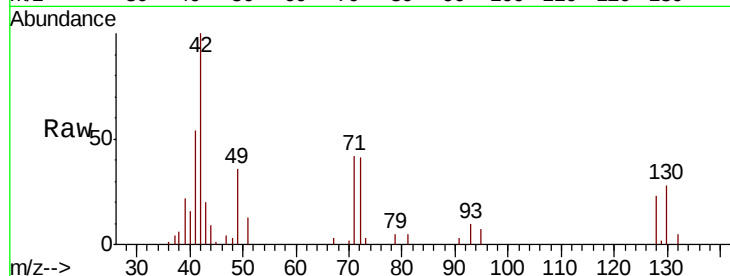
Tot Ion: 42 Resp: 13214

Ion Ratio Lower Upper

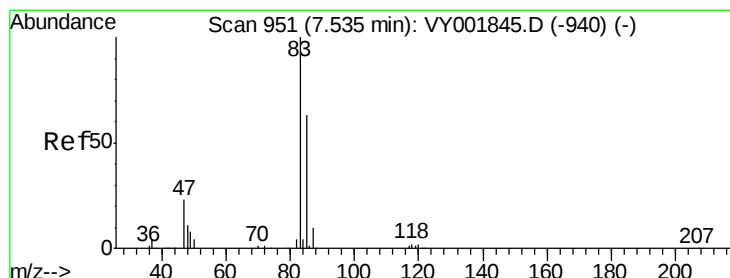
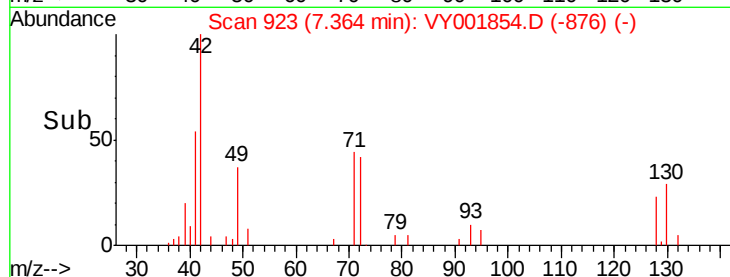
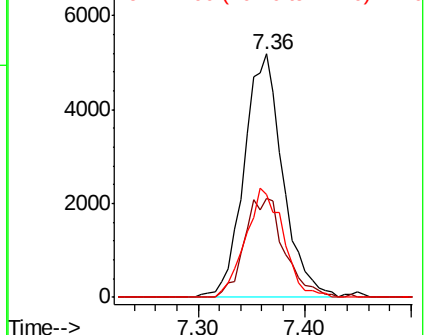
42 100

72 42.1 33.5 50.3

71 43.9 31.3 46.9



Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0



#30

Chloroform

Concen: 4.874 ug/l

RT: 7.52 min Scan# 948

Delta R.T. -0.02 min

Lab File: VY001854.D

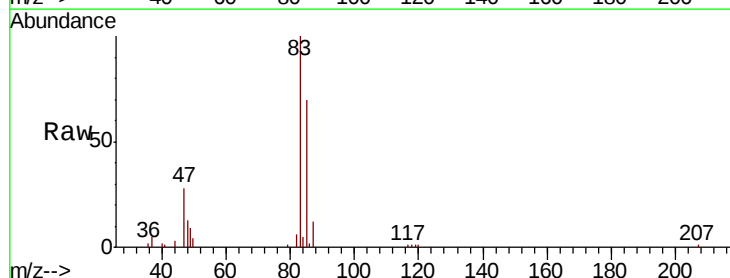
Acq: 04 Mar 2020 15:28

Tgt Ion: 83 Resp: 17690

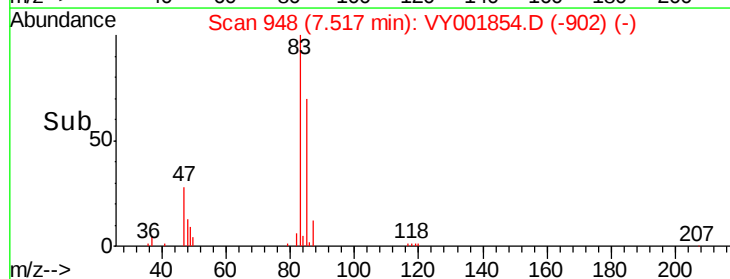
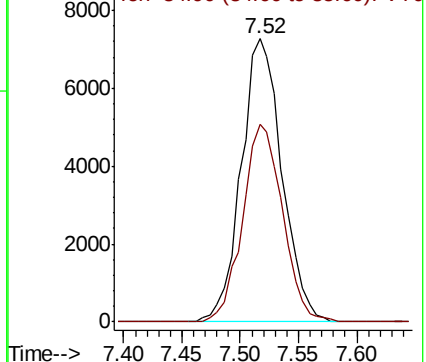
Ion Ratio Lower Upper

83 100

85 70.0 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 5.721 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

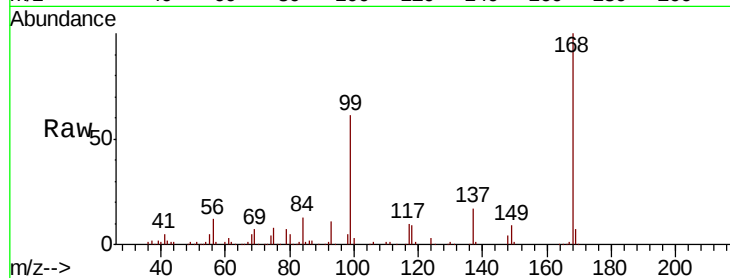
Tot Ion: 56 Resp: 23694

Ion Ratio Lower Upper

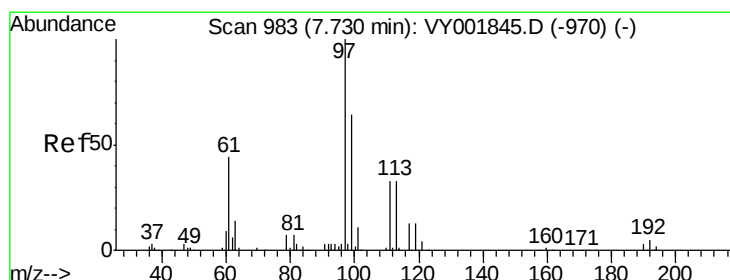
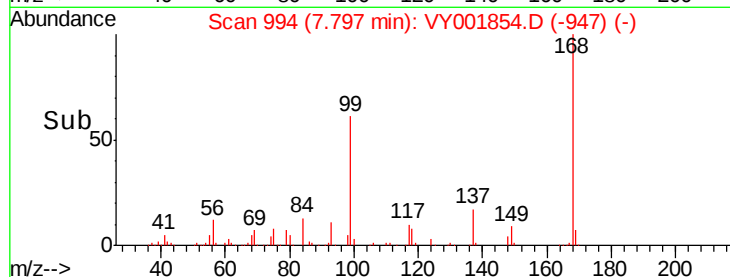
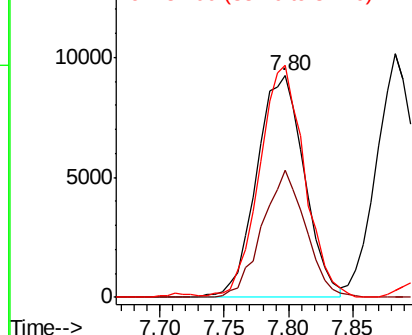
56 100

69 57.3 26.7 40.1#

84 103.4 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 5.013 ug/l

RT: 7.71 min Scan# 980

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

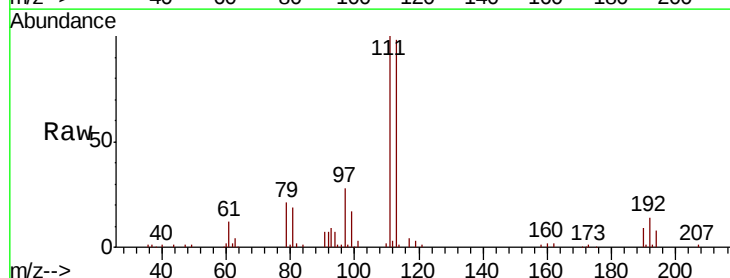
Tgt Ion: 97 Resp: 15334

Ion Ratio Lower Upper

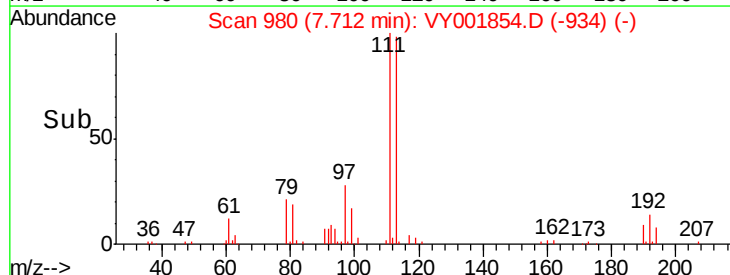
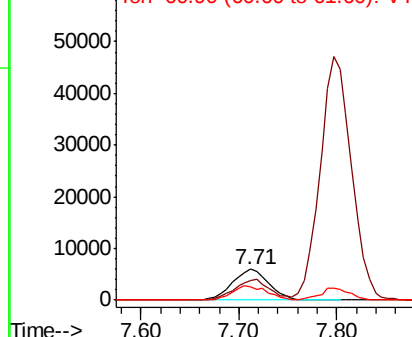
97 100

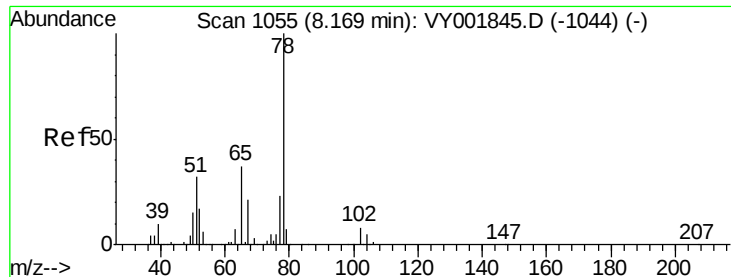
99 65.4 52.0 78.0

61 45.1 35.0 52.4



Abundance Ion 96.90 (96.60 to 97.60): VY0
Ion 98.90 (98.60 to 99.60): VY0
Ion 60.90 (60.60 to 61.60): VY0

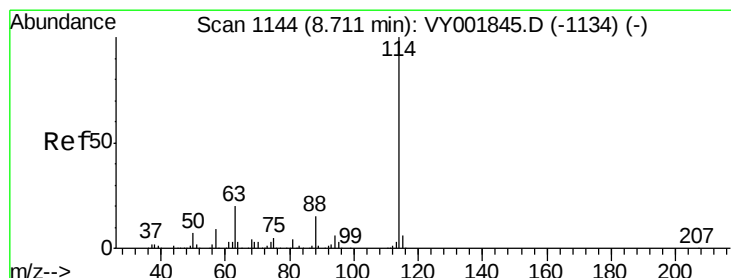
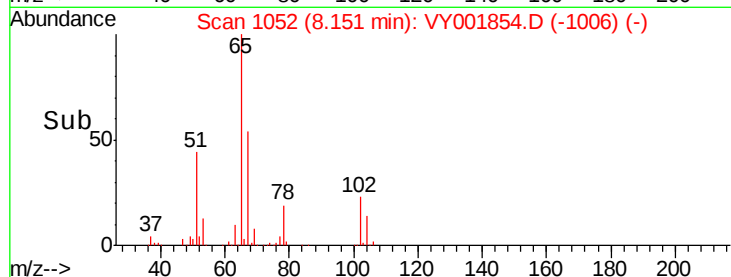
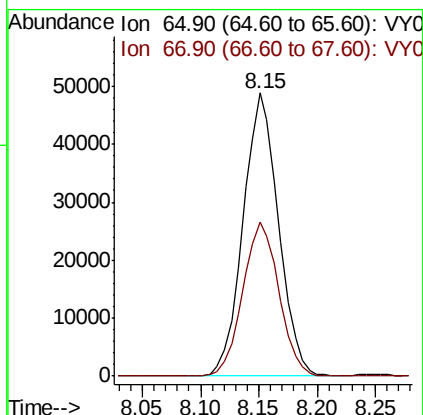
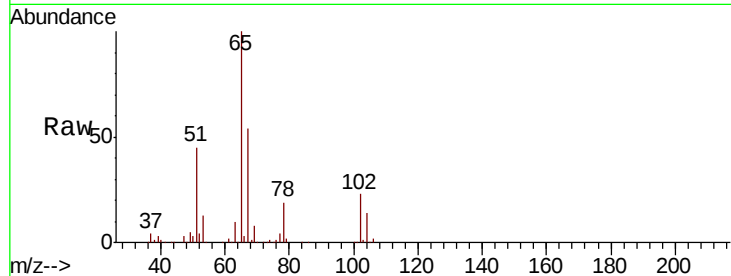




#33
 1,2-Dichloroethane-d4
 Concen: 54.769 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.02 min
 Lab File: VY001854.D
 Acq: 04 Mar 2020 15:28

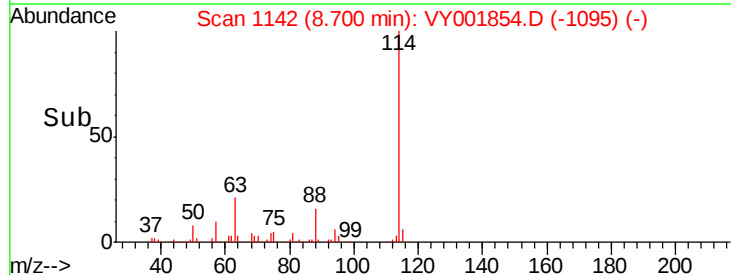
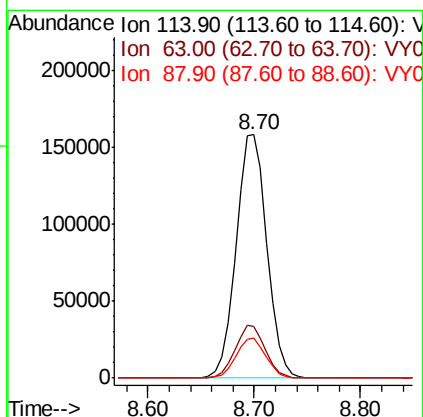
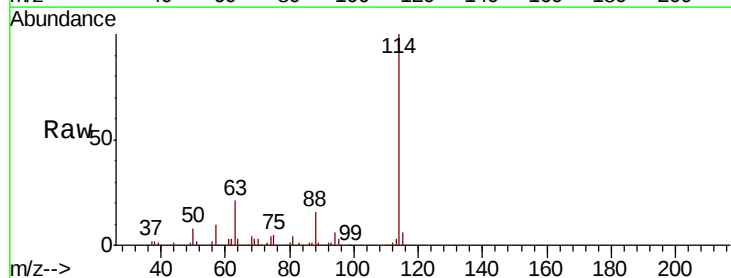
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

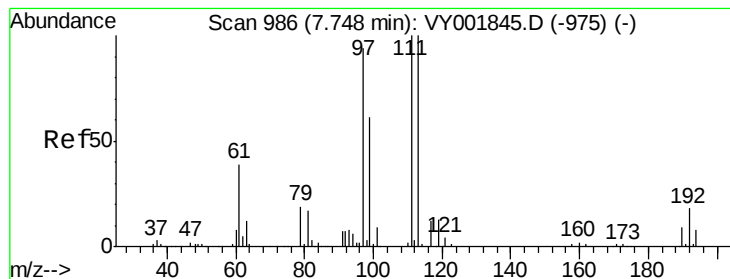
Tot Ion: 65 Resp: 103230
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001854.D
 Acq: 04 Mar 2020 15:28

Tgt Ion: 114 Resp: 319844
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 39.4
 88 16.4 0.0 30.4





#35

Dibromofluoromethane

Concen: 54.166 ug/l

RT: 7.73 min Scan# 983

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

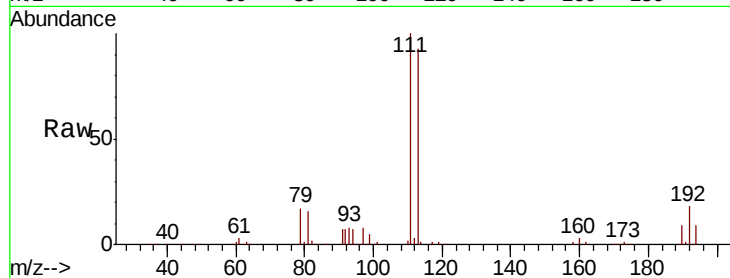
Tot Ion:113 Resp: 94600

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.8

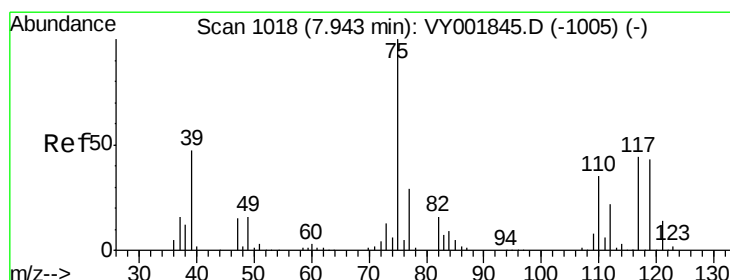
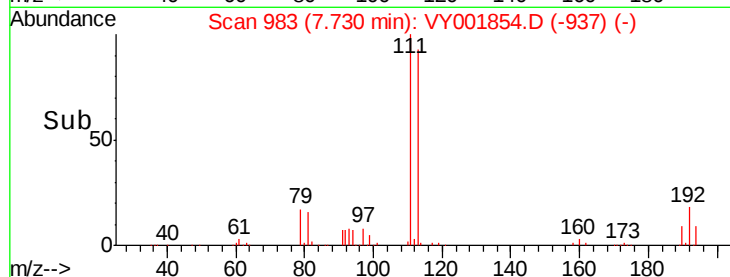
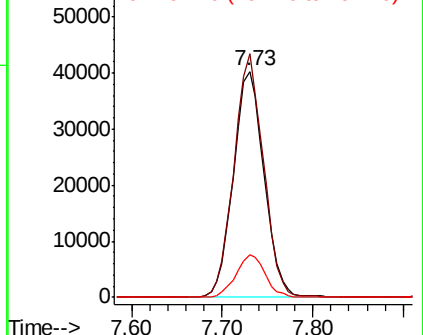
192 17.9 14.2 21.2



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



#36

1,1-Dichloropropene

Concen: 4.865 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

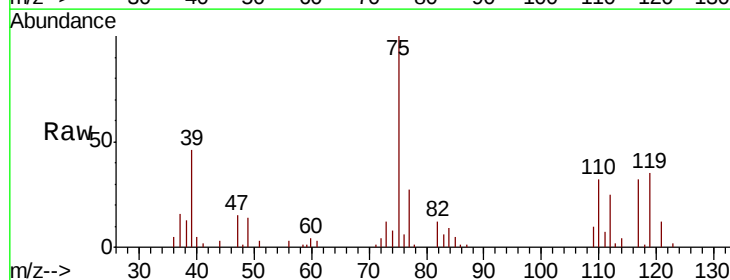
Tgt Ion: 75 Resp: 14974

Ion Ratio Lower Upper

75 100

110 35.6 17.4 52.2

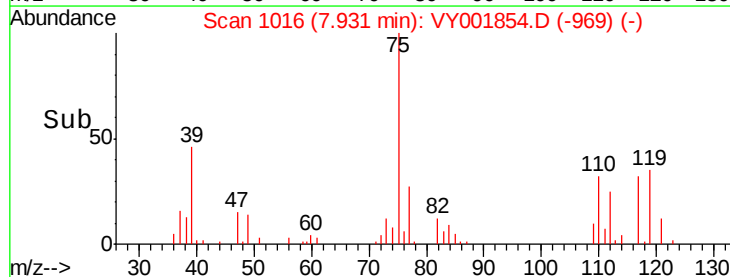
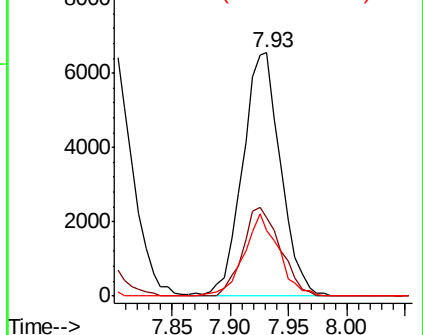
77 30.5 24.2 36.2

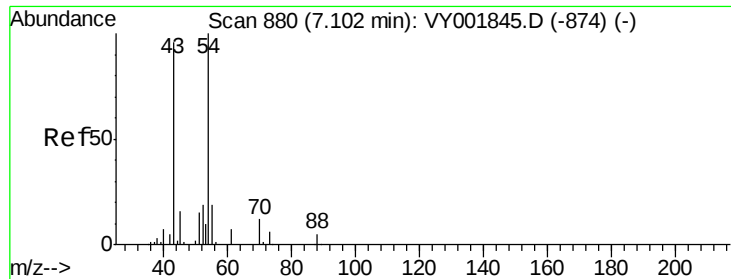


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

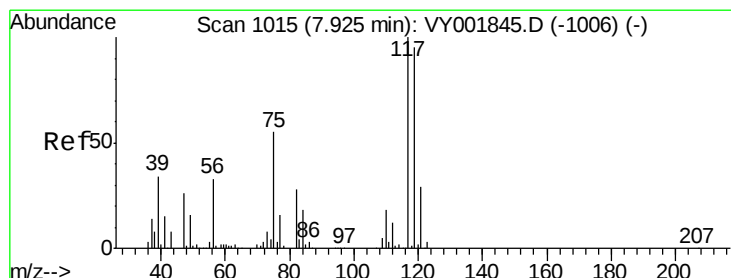
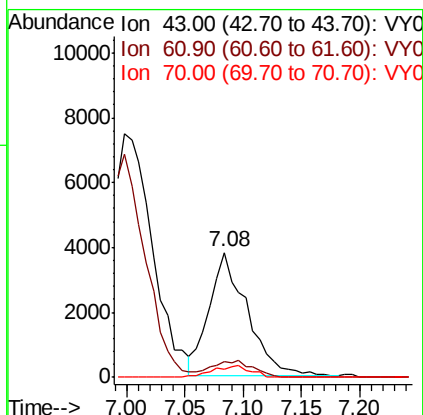
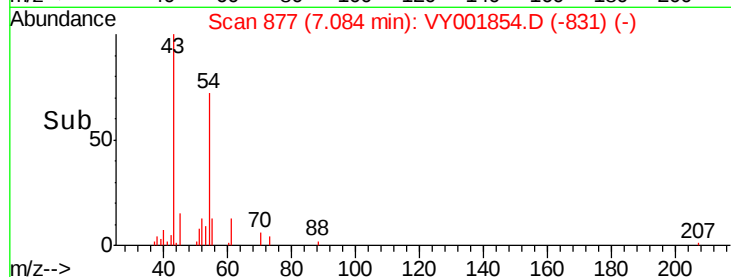
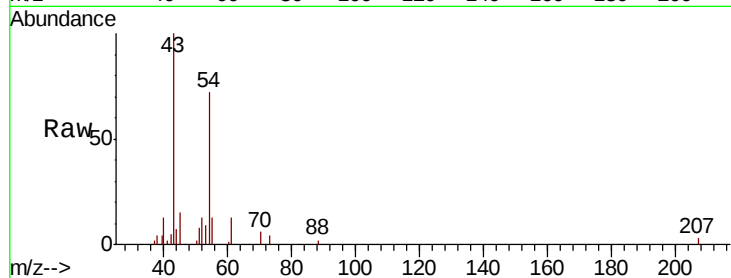




#37
Ethyl Acetate
Concen: 4.808 ug/l
RT: 7.08 min Scan# 877
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

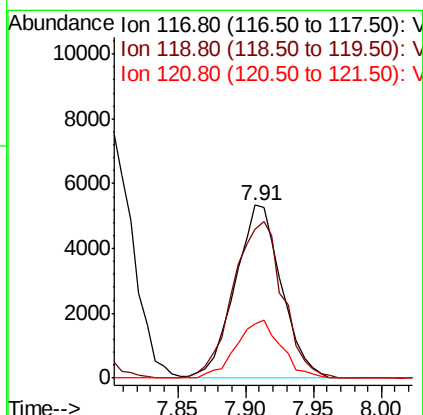
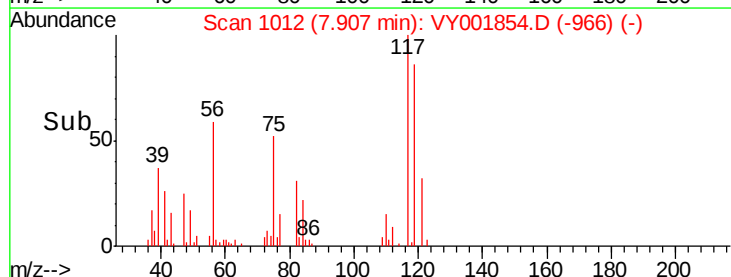
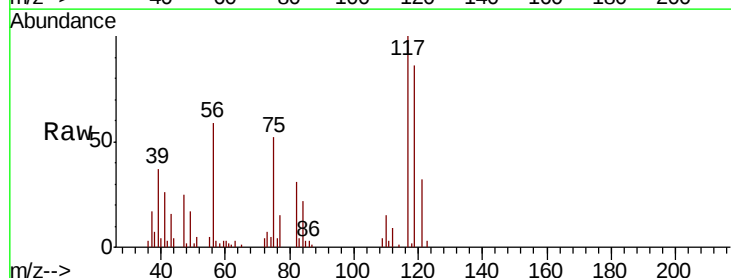
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

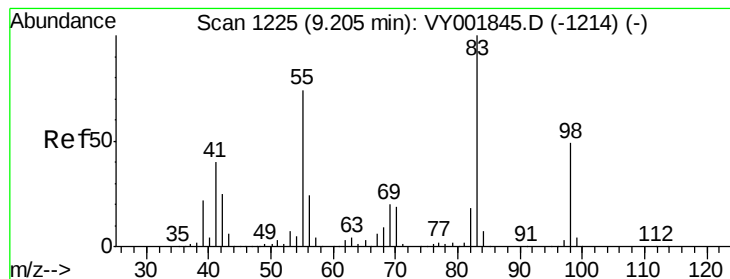
Tot Ion: 43 Resp: 8600
Ion Ratio Lower Upper
43 100
61 14.7 11.1 16.7
70 9.4 8.2 12.4



#38
Carbon Tetrachloride
Concen: 4.848 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 117 Resp: 12747
Ion Ratio Lower Upper
117 100
119 85.8 76.3 114.5
121 31.6 23.5 35.3

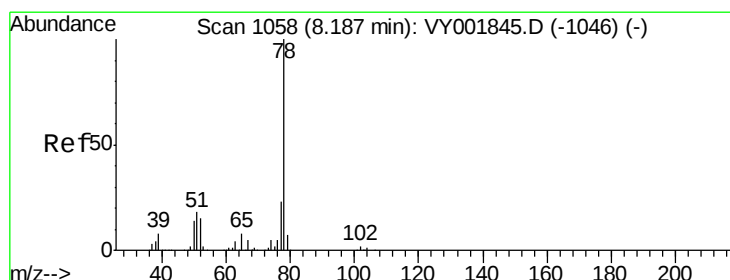
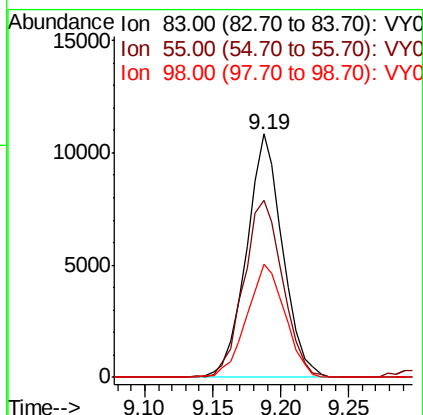
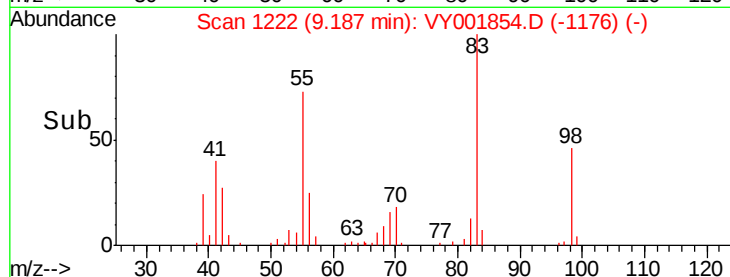
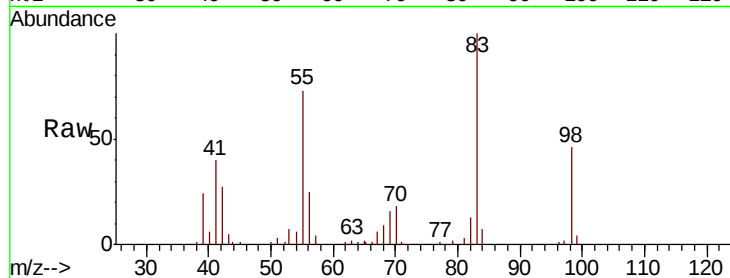




#39
Methvlcvclohexane
Concen: 4.925 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

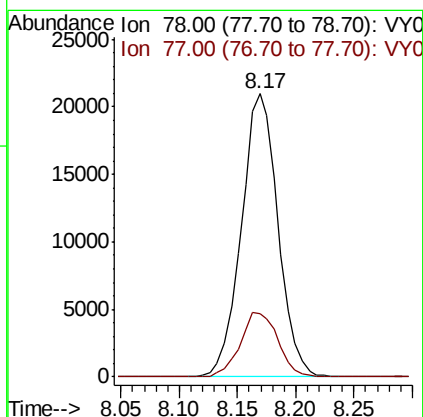
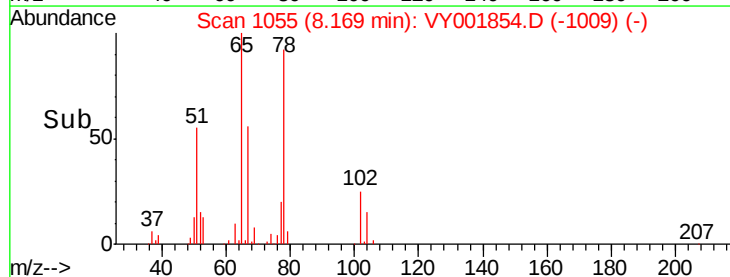
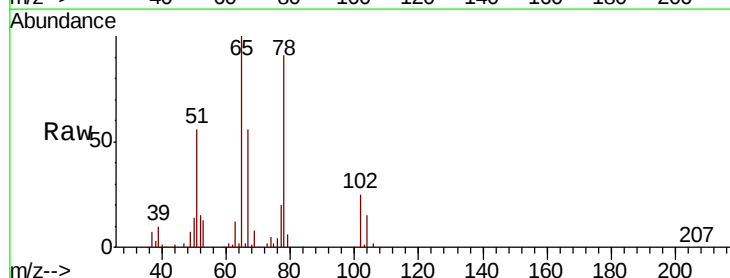
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

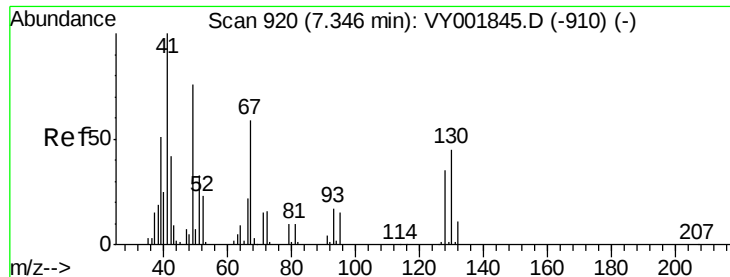
Tot Ion: 83 Resp: 20104
Ion Ratio Lower Upper
83 100
55 72.7 59.4 89.0
98 46.4 38.9 58.3



#40
Benzene
Concen: 5.033 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 78 Resp: 45911
Ion Ratio Lower Upper
78 100
77 22.2 18.7 28.1

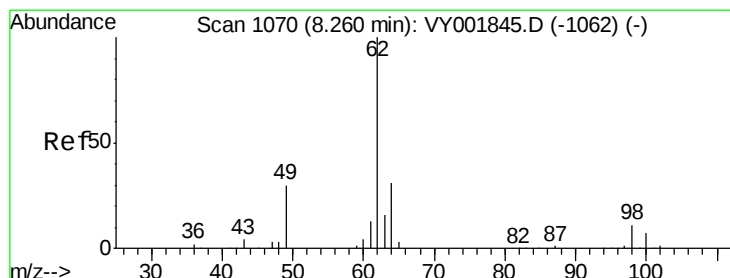
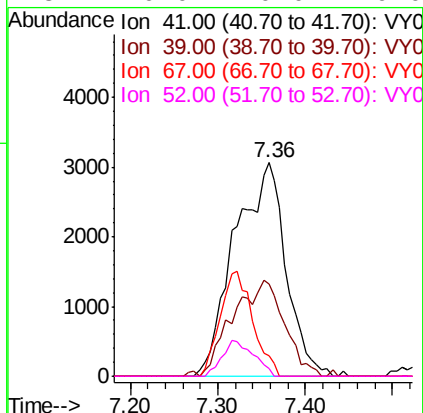
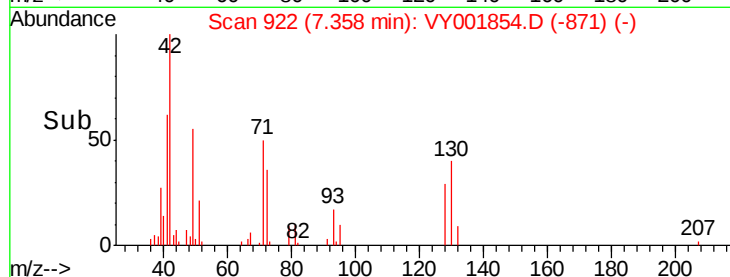
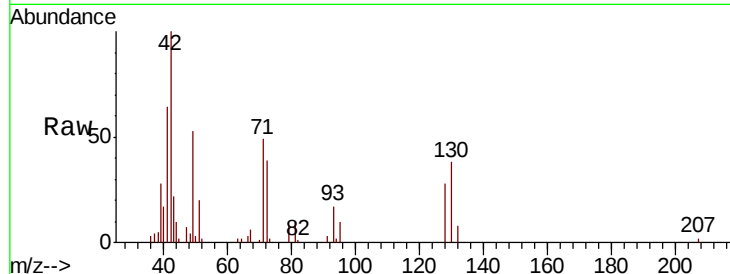




#41
Methacrylonitrile
Concen: 15.410 ug/l
RT: 7.36 min Scan# 922
Delta R.T. 0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

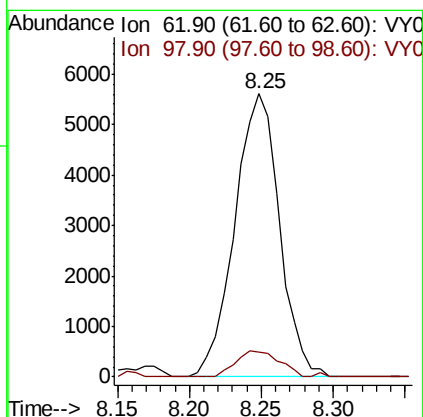
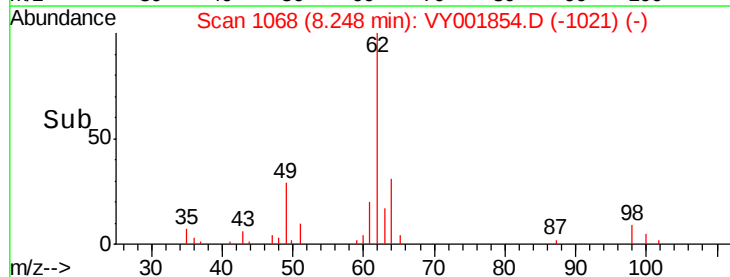
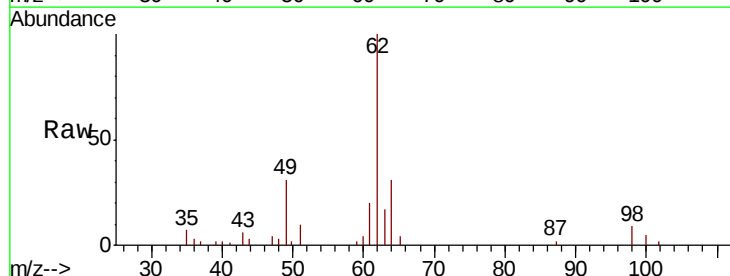
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

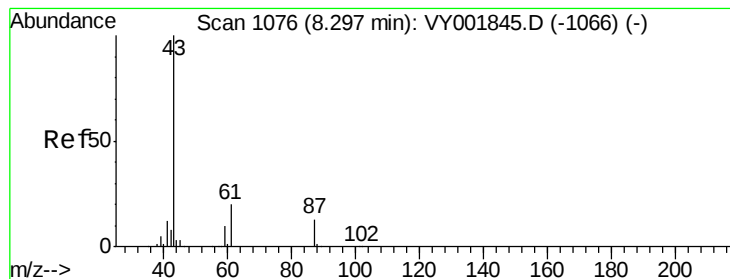
Tot Ion: 41 Resp: 12406
Ion Ratio Lower Upper
41 100
39 45.9 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 5.145 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 62 Resp: 12094
Ion Ratio Lower Upper
62 100
98 9.1 0.0 21.4





#43

Isopropyl Acetate

Concen: 4.938 ug/l

RT: 8.28 min Scan# 1073

Delta R.T. -0.02 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

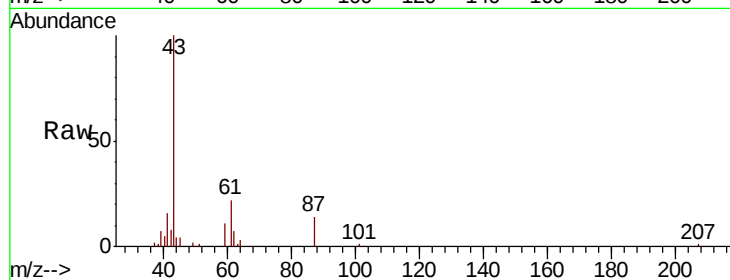
Tot Ion: 43 Resp: 16725

Ion Ratio Lower Upper

43 100

61 20.3 23.8 35.6#

87 12.8 10.9 16.3

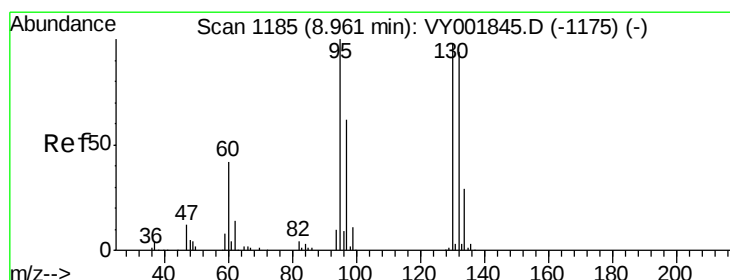
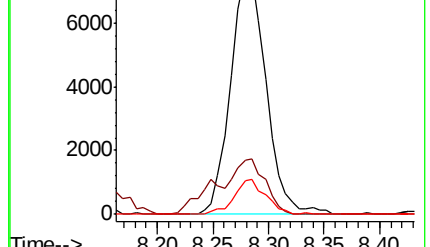
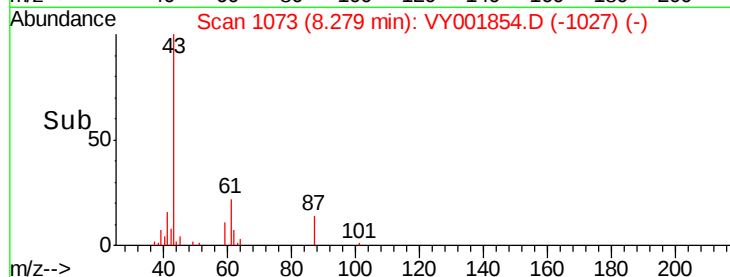


Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1066) (-)

Ion 61.00 (60.70 to 61.70): VY001845.D (-1066) (-)

Ion 87.00 (86.70 to 87.70): VY001845.D (-1066) (-)

8.28



#44

Trichloroethene

Concen: 5.123 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VY001854.D

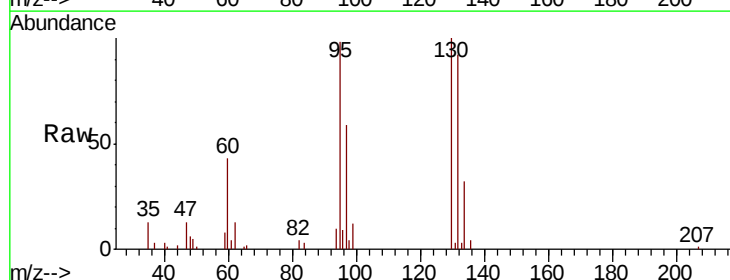
Acq: 04 Mar 2020 15:28

Tgt Ion: 130 Resp: 11383

Ion Ratio Lower Upper

130 100

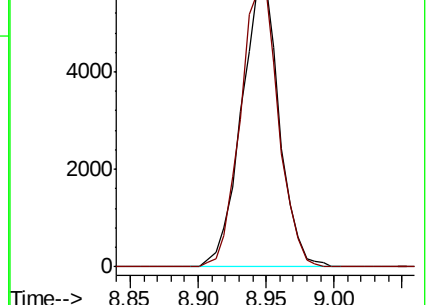
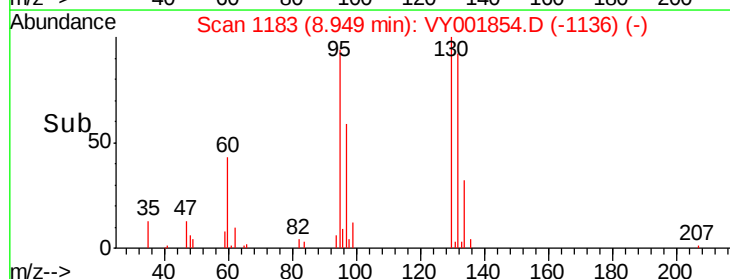
95 98.3 0.0 204.6

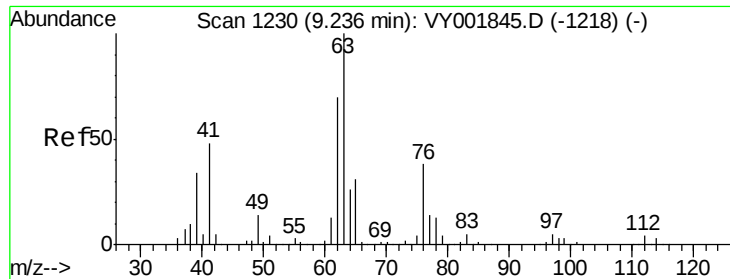


Abundance Ion 129.80 (129.50 to 130.50): VY001845.D (-1175) (-)

Ion 94.90 (94.60 to 95.60): VY001845.D (-1175) (-)

8.95

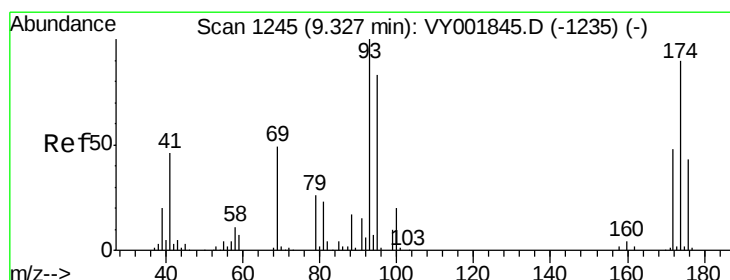
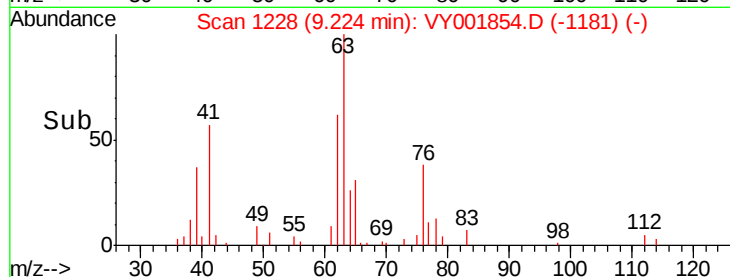
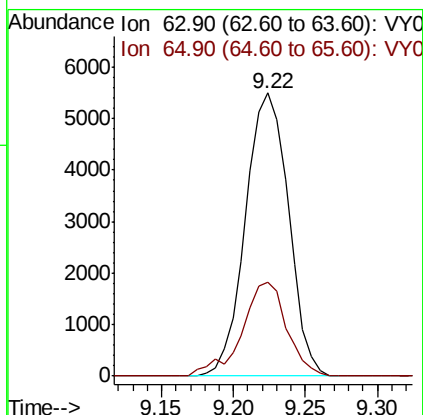
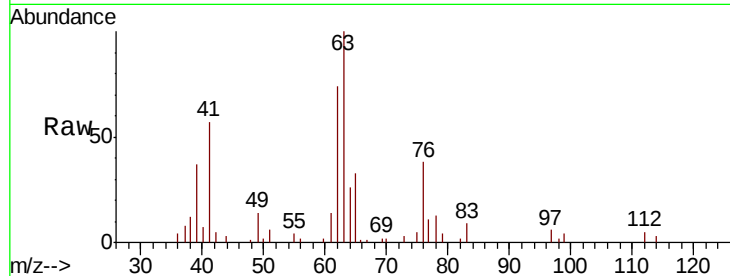




#45
 1,2-Dichloropropane
 Concen: 4.954 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY001854.D
 Acq: 04 Mar 2020 15:28

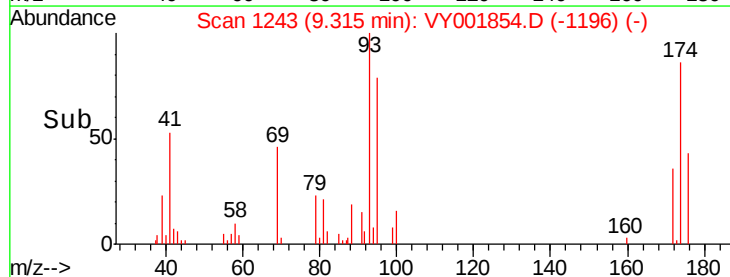
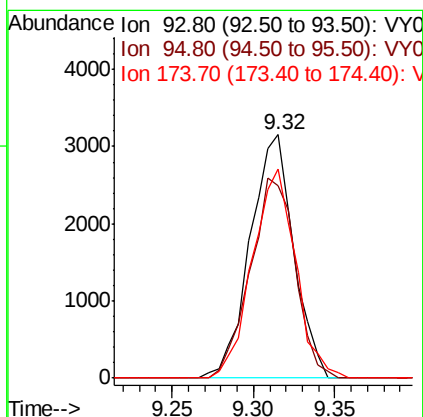
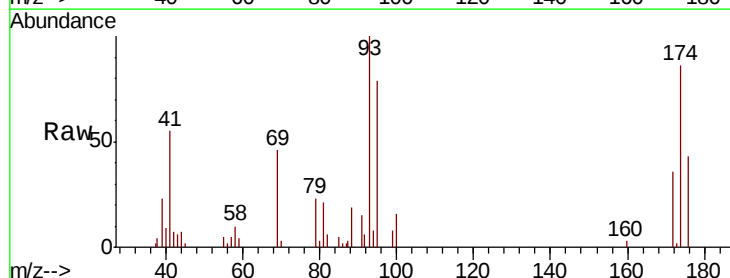
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

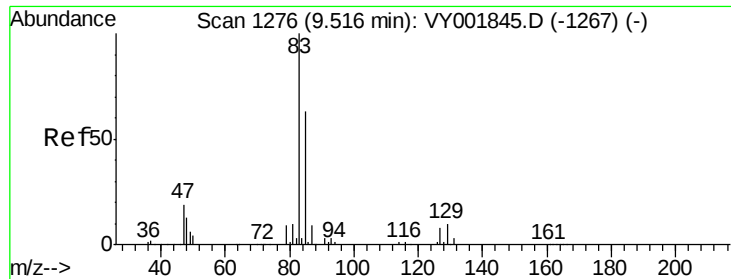
Tot Ion: 63 Resp: 11360
 Ion Ratio Lower Upper
 63 100
 65 33.2 24.9 37.3



#46
 Dibromomethane
 Concen: 4.949 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. -0.01 min
 Lab File: VY001854.D
 Acq: 04 Mar 2020 15:28

Tgt Ion: 93 Resp: 5849
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.0 100.4
 174 85.4 71.8 107.8

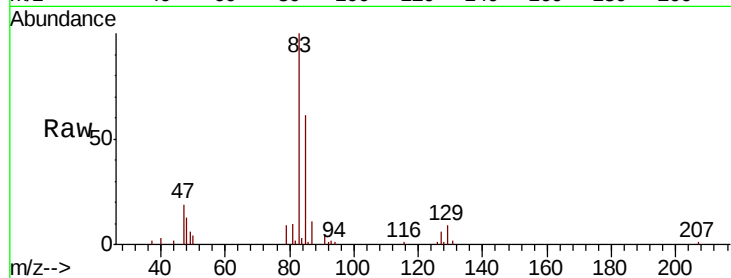




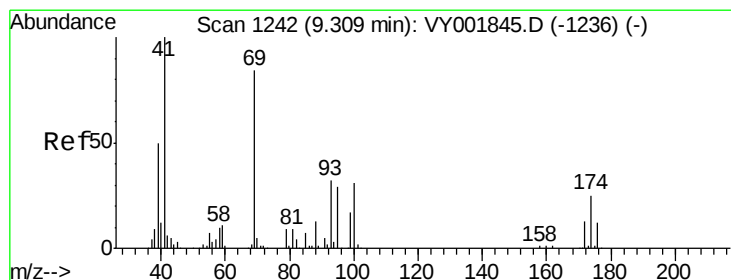
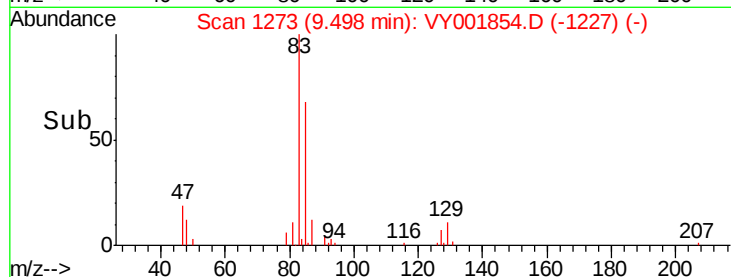
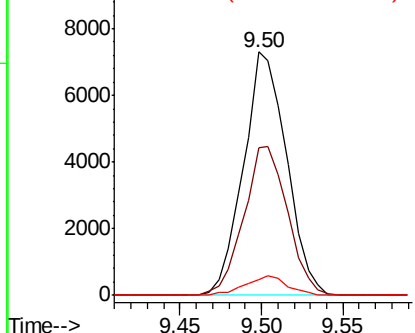
#47
Bromodichloromethane
Concen: 4.874 ug/l
RT: 9.50 min Scan# 1273
Delta R.T. -0.02 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion: 83 Resp: 13400
Ion Ratio Lower Upper
83 100
85 60.8 50.6 76.0
127 6.4 6.2 9.4

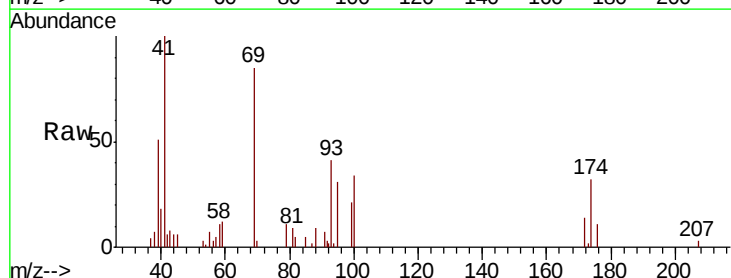


Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V

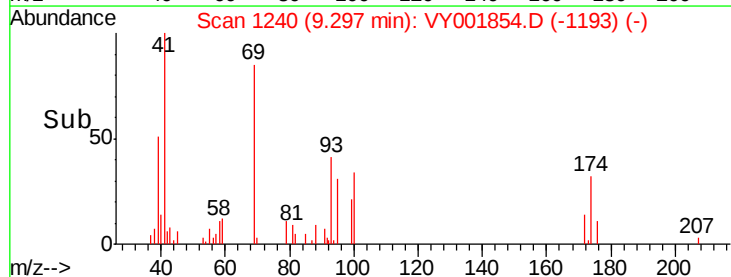
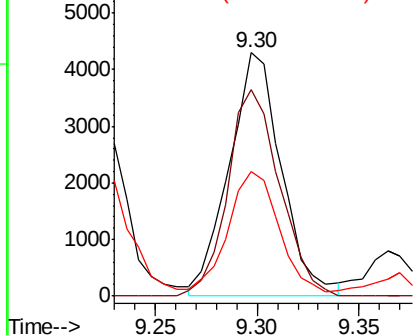


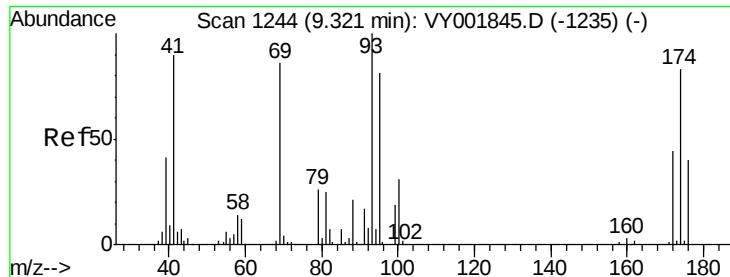
#48
Methyl methacrylate
Concen: 5.110 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 41 Resp: 7680
Ion Ratio Lower Upper
41 100
69 83.7 69.0 103.6
39 52.0 39.1 58.7



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0





#49

1,4-Dioxane

Concen: 92.629 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

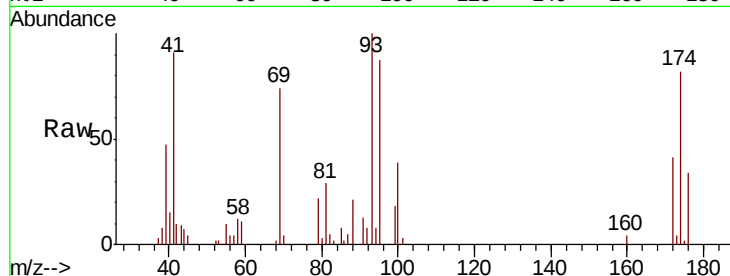
Tot Ion: 88 Resp: 1500

Ion Ratio Lower Upper

88 100

43 45.1 25.0 37.6#

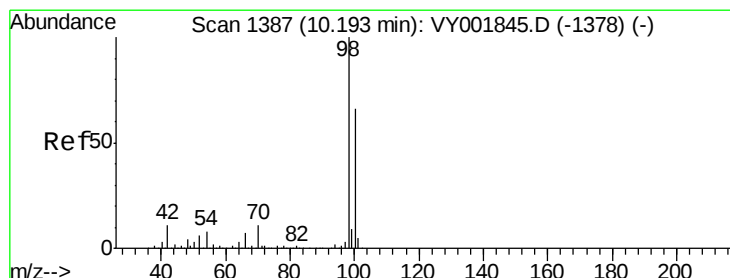
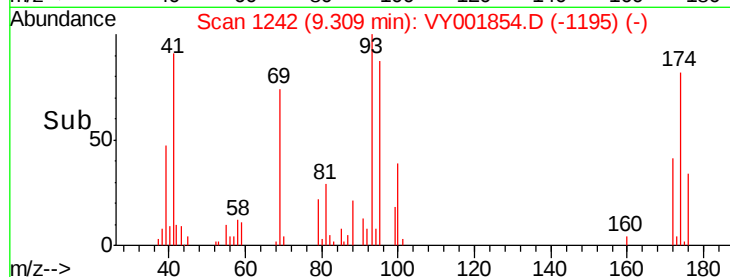
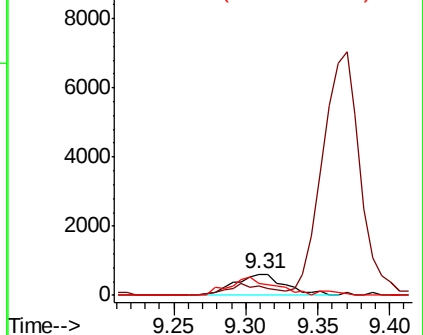
58 73.7 58.9 88.3



Abundance Ion 88.00 (87.70 to 88.70): VY001845.D (-1235) (-)

Ion 43.00 (42.70 to 43.70): VY001845.D (-1235) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1235) (-)



#50

Toluene-d8

Concen: 54.472 ug/l

RT: 10.18 min Scan# 1385

Delta R.T. -0.01 min

Lab File: VY001854.D

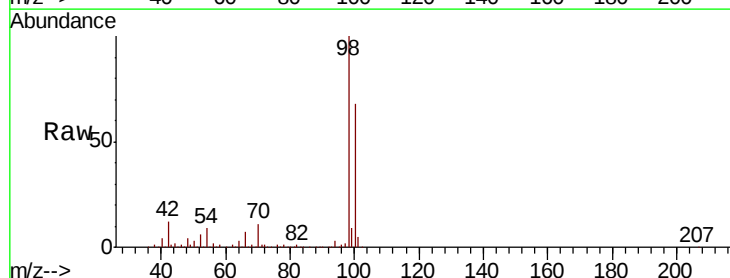
Acq: 04 Mar 2020 15:28

Tgt Ion: 98 Resp: 401168

Ion Ratio Lower Upper

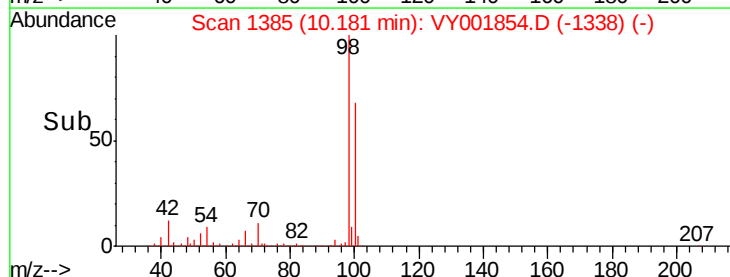
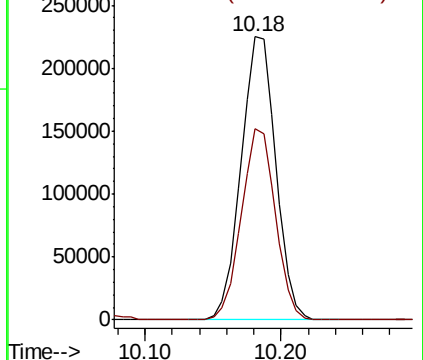
98 100

100 66.3 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY001845.D (-1378) (-)

Ion 100.00 (99.70 to 100.70): VY001845.D (-1378) (-)





#51

4-Methyl-2-Pentanone

Concen: 24.319 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

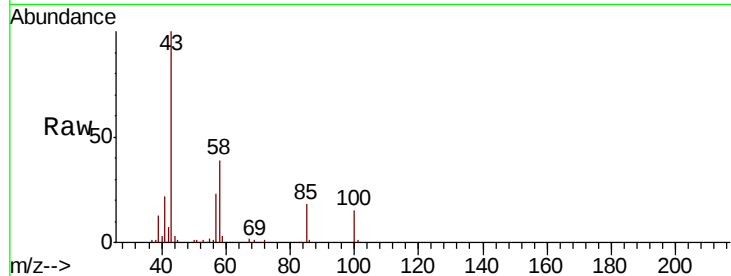
LOQ-SOIL-02-QT1-2020

Tot Ion: 43 Resp: 42424

Ion Ratio Lower Upper

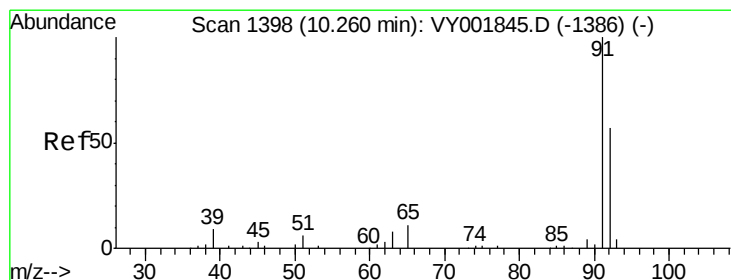
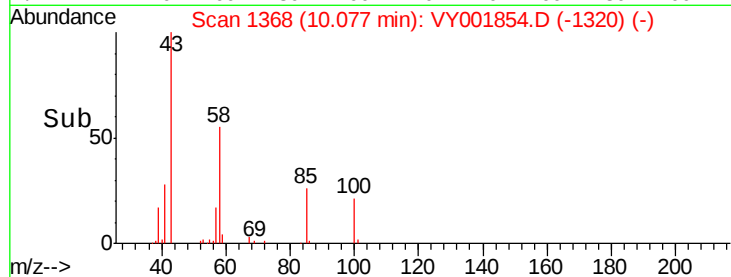
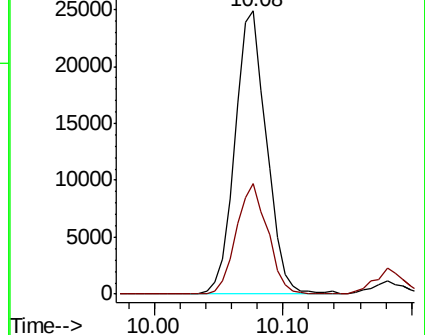
43 100

58 38.8 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1361) (-)



#52

Toluene

Concen: 5.053 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001854.D

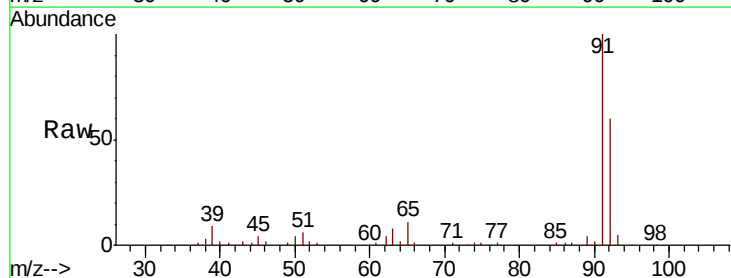
Acq: 04 Mar 2020 15:28

Tgt Ion: 92 Resp: 28002

Ion Ratio Lower Upper

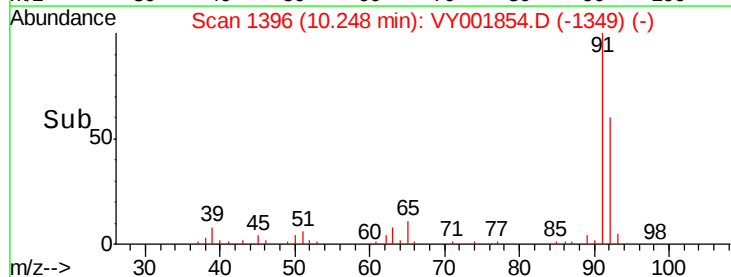
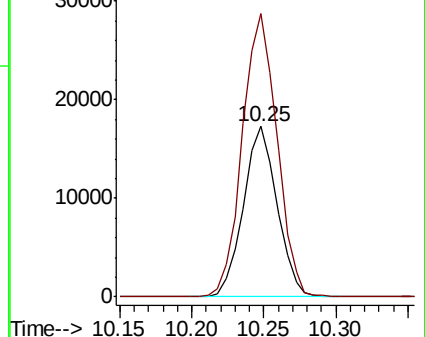
92 100

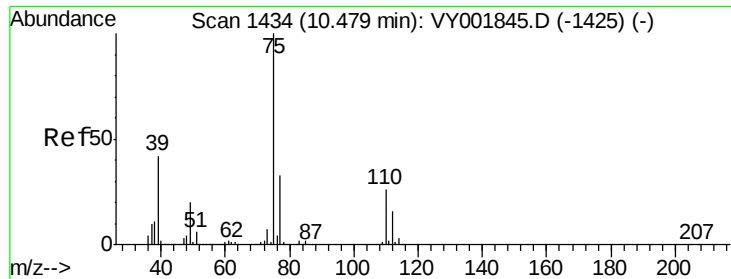
91 171.0 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY001845.D (-1386) (-)

Ion 91.00 (90.70 to 91.70): VY001845.D (-1386) (-)





#53

t-1,3-Dichloropropene

Concen: 4.563 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

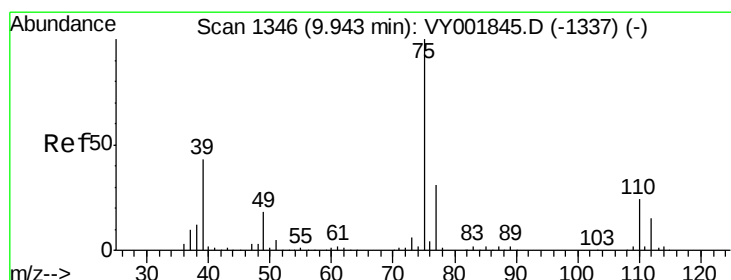
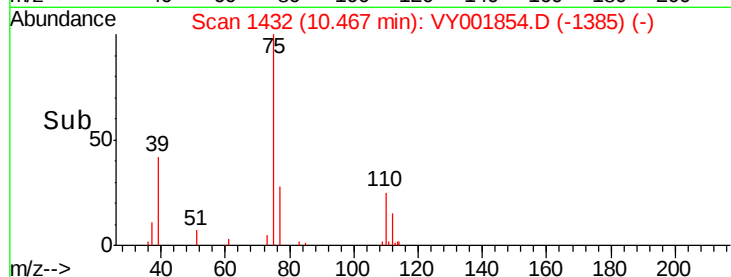
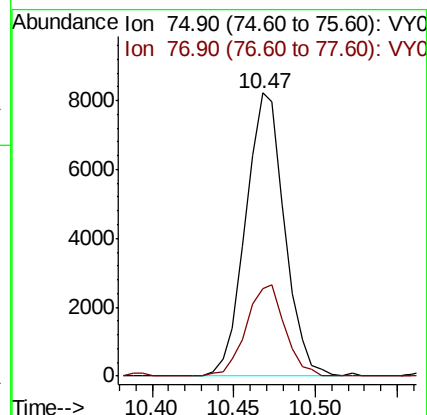
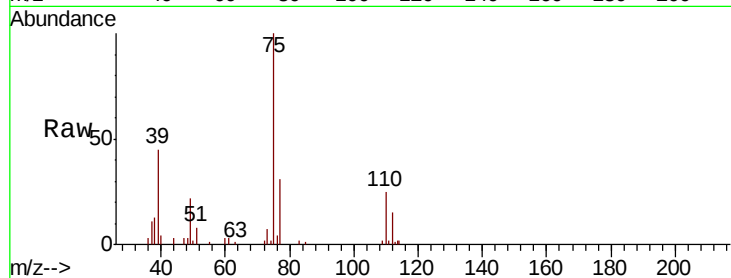
LOQ-SOIL-02-QT1-2020

Tot Ion: 75 Resp: 13667

Ion Ratio Lower Upper

75 100

77 30.8 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 4.718 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

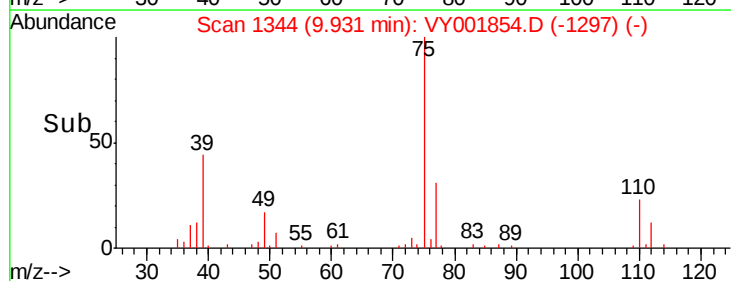
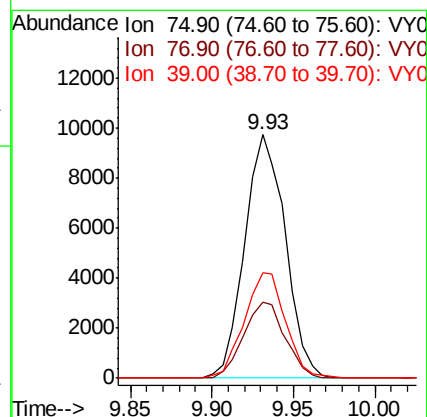
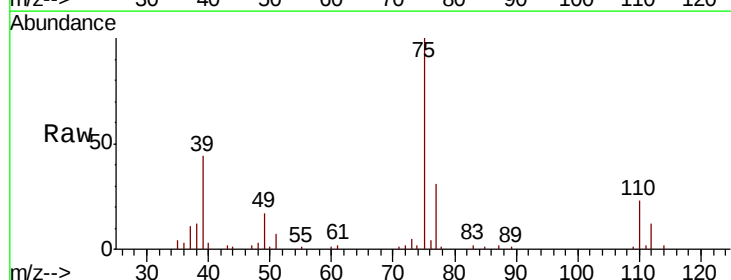
Tgt Ion: 75 Resp: 16823

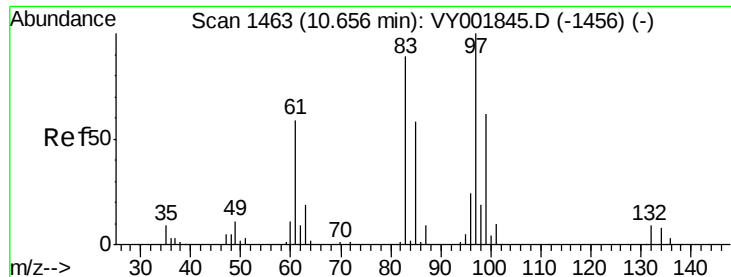
Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 43.5 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 4.949 ug/l

RT: 10.65 min Scan# 1462

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

Tot Ion: 97 Resp: 8559

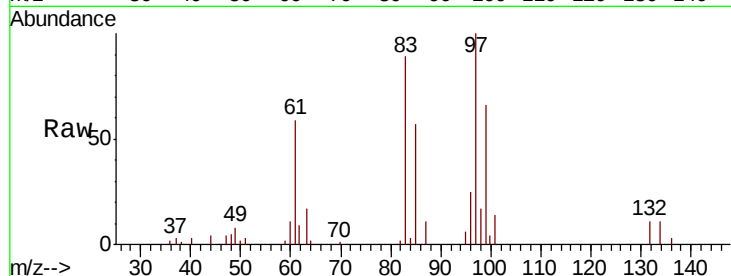
Ion Ratio Lower Upper

97 100

83 88.6 71.6 107.4

85 56.7 46.6 69.8

99 65.6 49.8 74.6

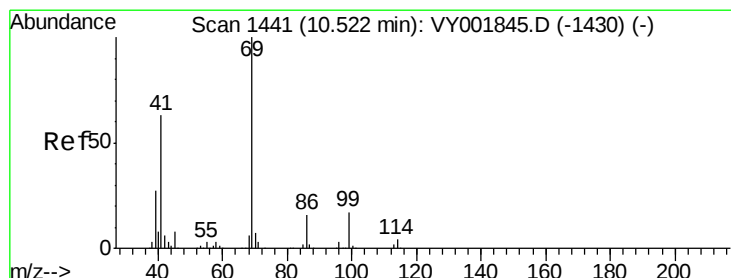
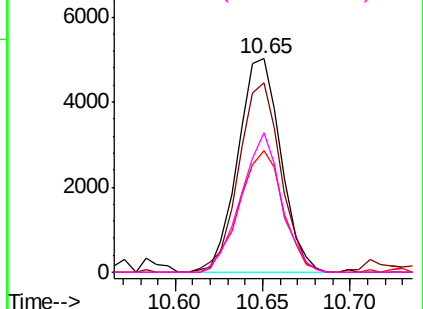
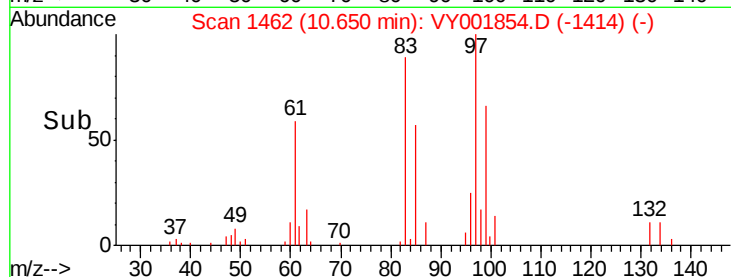


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 4.831 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

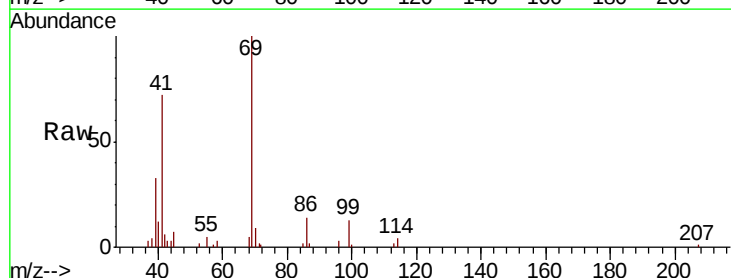
Tgt Ion: 69 Resp: 12248

Ion Ratio Lower Upper

69 100

41 67.5 49.9 74.9

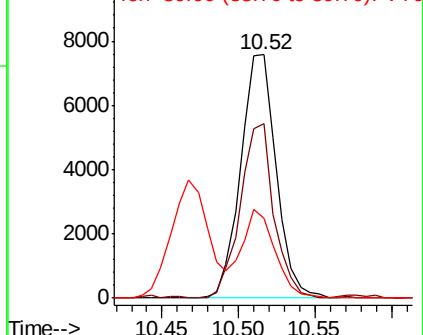
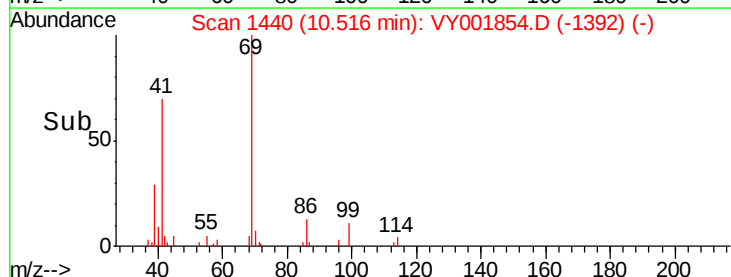
39 34.3 23.0 34.6

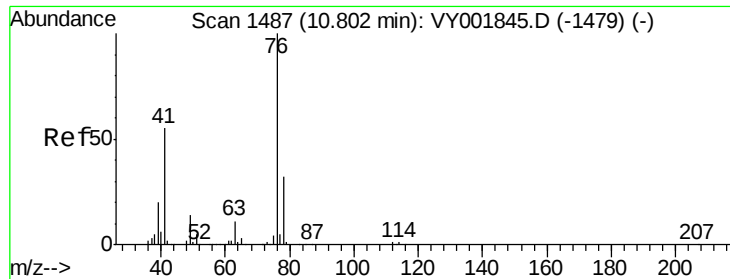


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 4.960 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

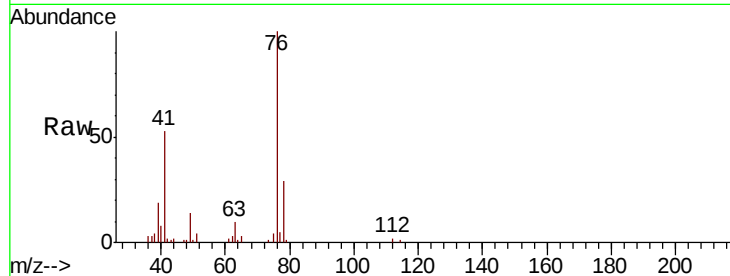
LOQ-SOIL-02-QT1-2020

Tot Ion: 76 Resp: 15293

Ion Ratio Lower Upper

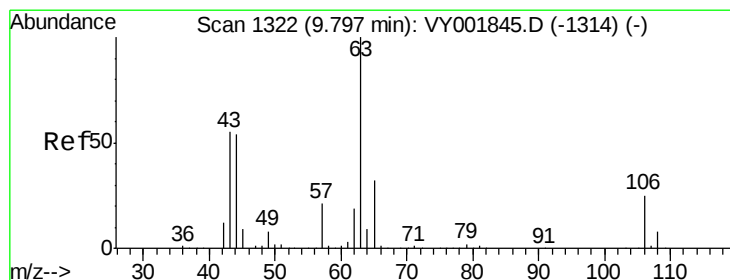
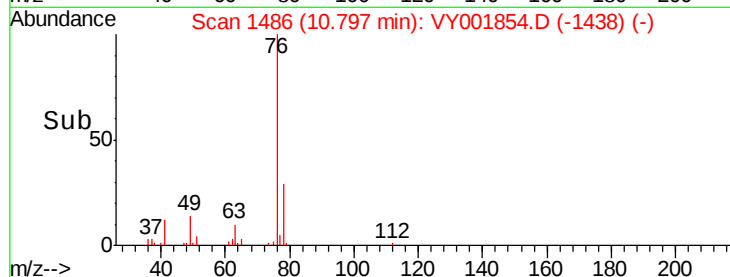
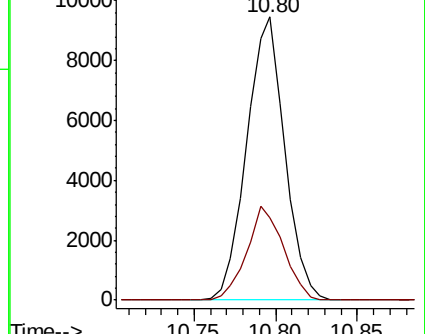
76 100

78 32.1 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 21.244 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VY001854.D

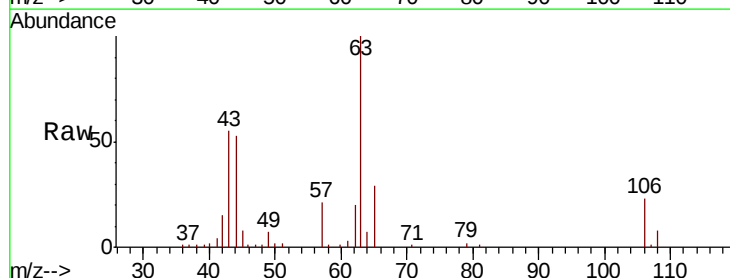
Acq: 04 Mar 2020 15:28

Tgt Ion: 63 Resp: 21355

Ion Ratio Lower Upper

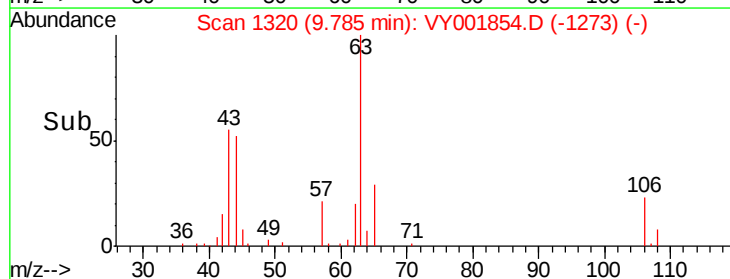
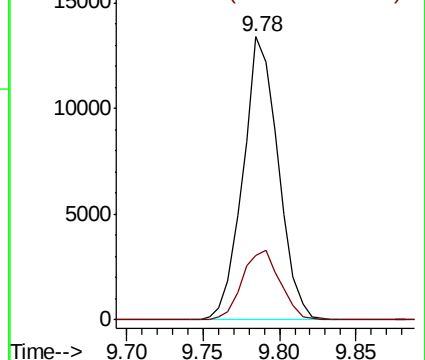
63 100

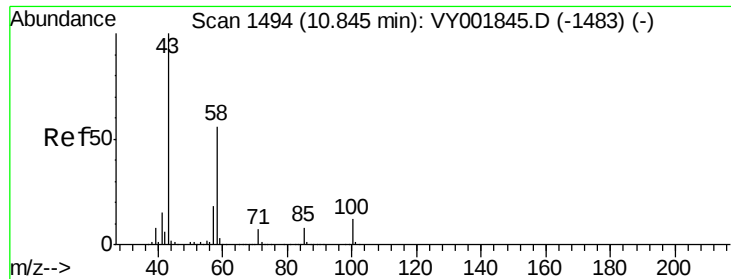
106 26.3 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

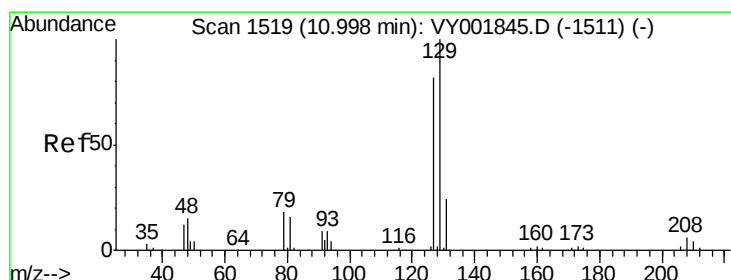
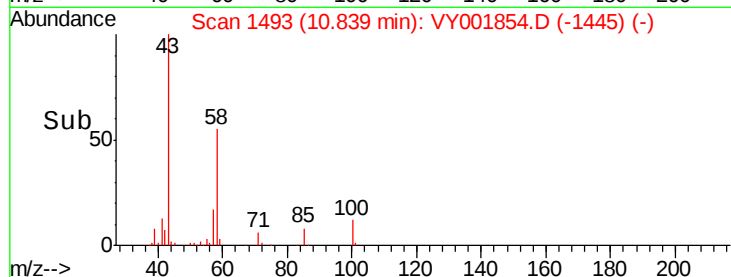
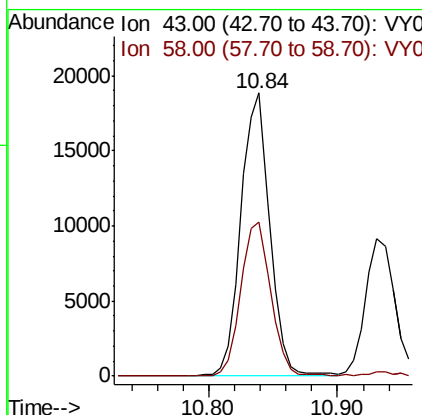
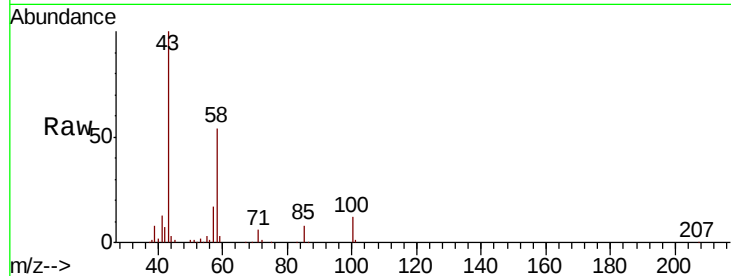




#59
2-Hexanone
Concen: 23.405 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

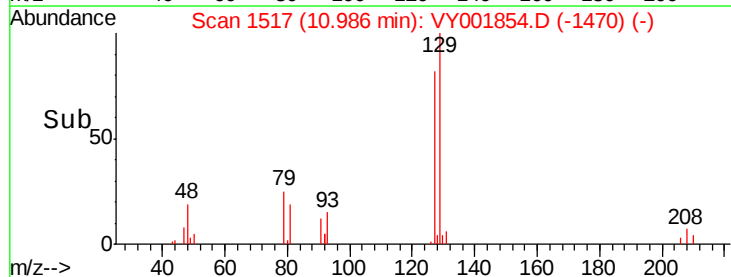
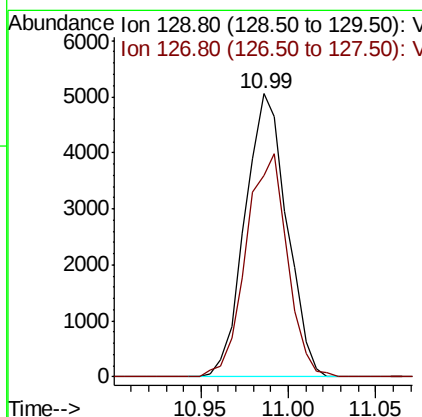
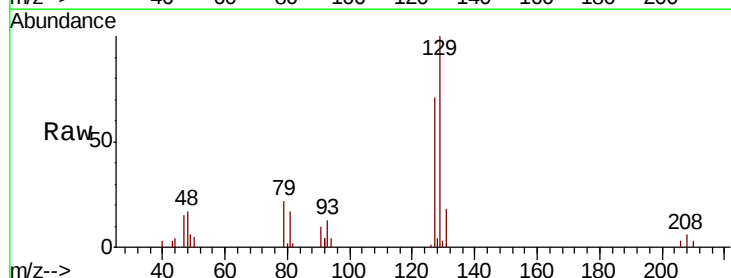
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion: 43 Resp: 29142
Ion Ratio Lower Upper
43 100
58 56.2 28.1 84.3



#60
Dibromochloromethane
Concen: 4.637 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 129 Resp: 8451
Ion Ratio Lower Upper
129 100
127 77.7 39.0 117.0

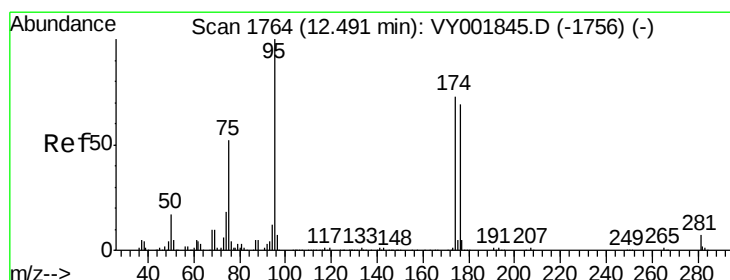
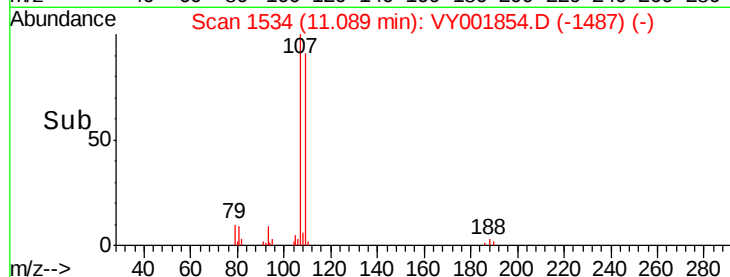
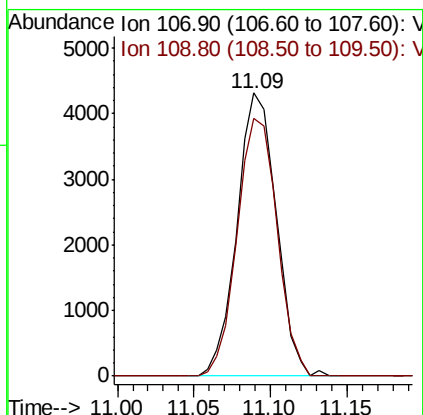
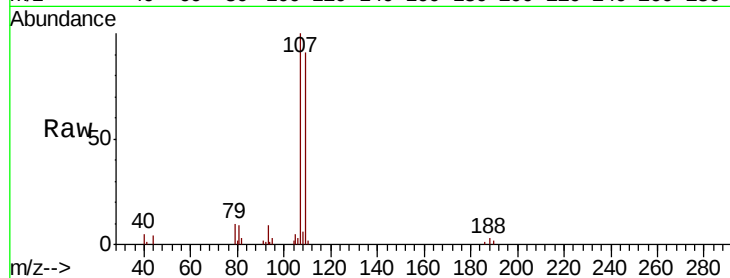




#61
 1,2-Dibromoethane
 Concen: 4.701 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY001854.D
 Acq: 04 Mar 2020 15:28

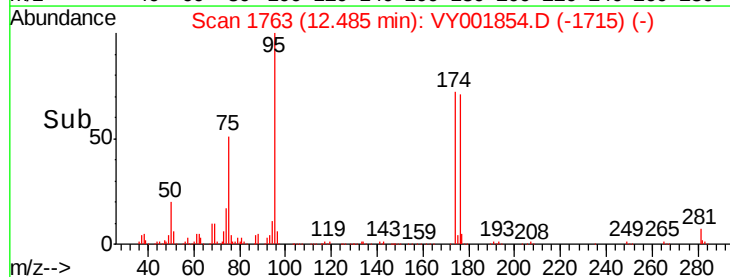
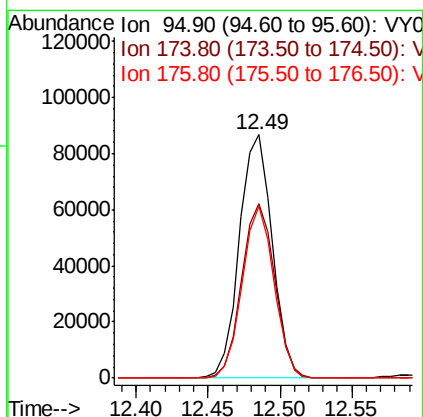
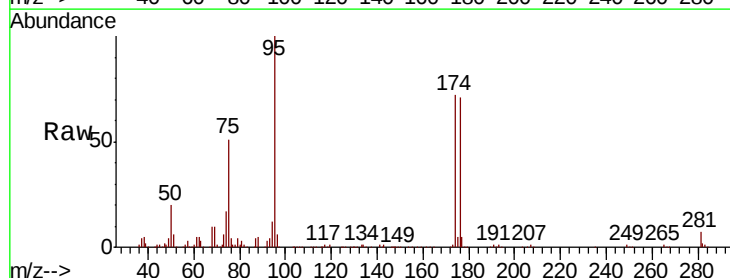
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

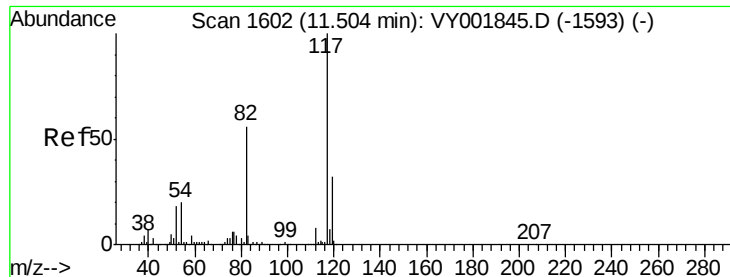
Tot Ion: 107 Resp: 7701
 Ion Ratio Lower Upper
 107 100
 109 92.7 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 53.507 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001854.D
 Acq: 04 Mar 2020 15:28

Tgt Ion: 95 Resp: 137020
 Ion Ratio Lower Upper
 95 100
 174 71.8 0.0 145.0
 176 68.6 0.0 137.4

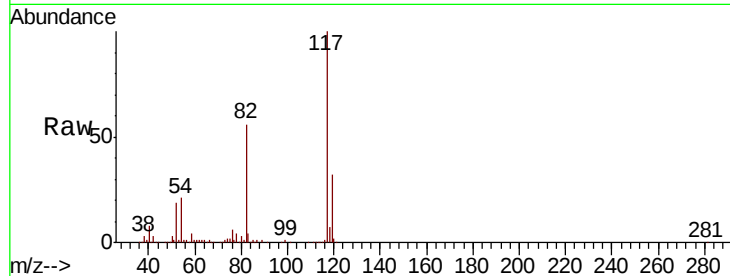




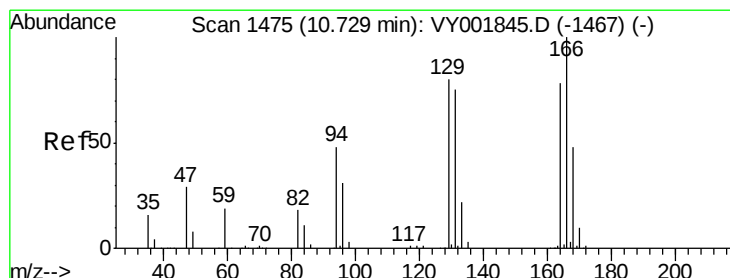
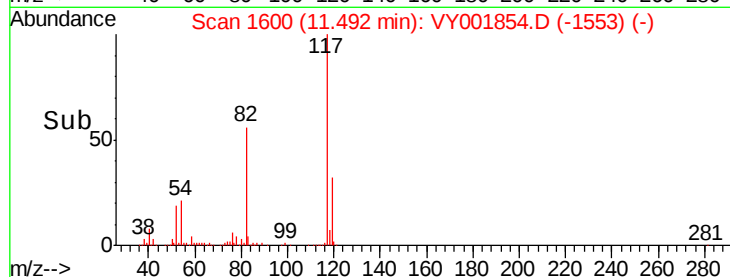
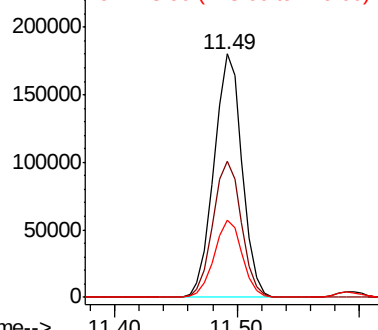
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:117 Resp: 286344
Ion Ratio Lower Upper
117 100
82 56.1 44.5 66.7
119 31.8 25.7 38.5

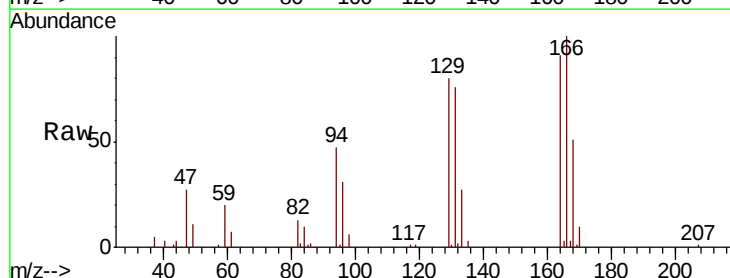


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VY0
Ion 118.90 (118.60 to 119.60): V

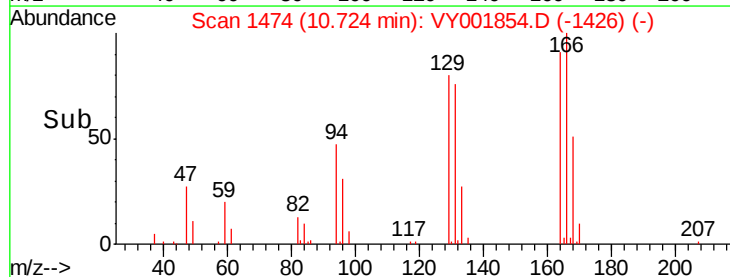
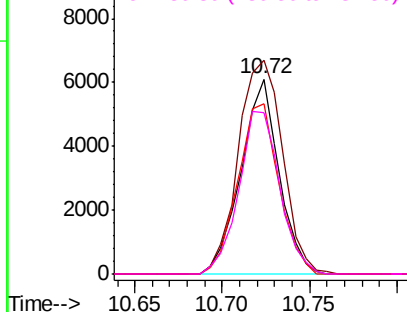


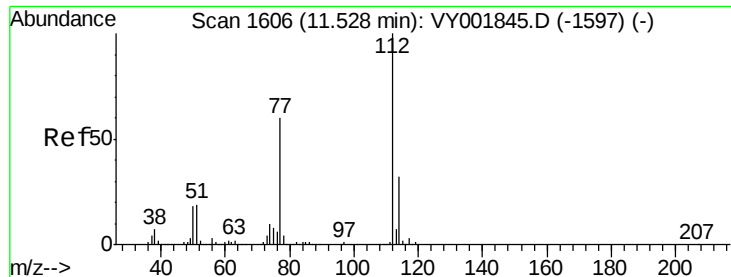
#64
Tetrachloroethene
Concen: 5.115 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion:164 Resp: 9185
Ion Ratio Lower Upper
164 100
166 109.8 102.6 154.0
129 87.6 82.3 123.5
131 83.0 77.4 116.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

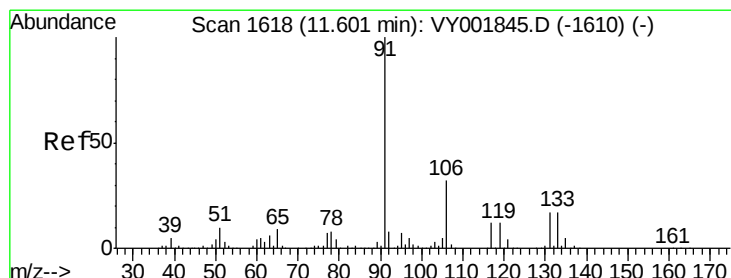
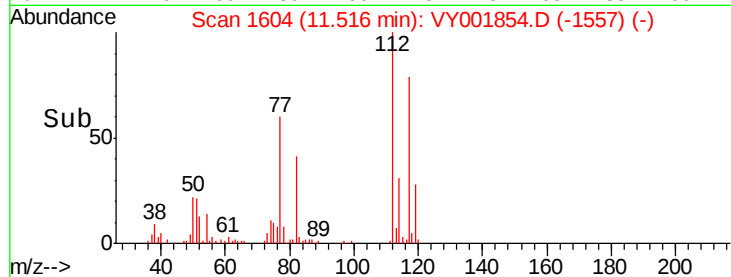
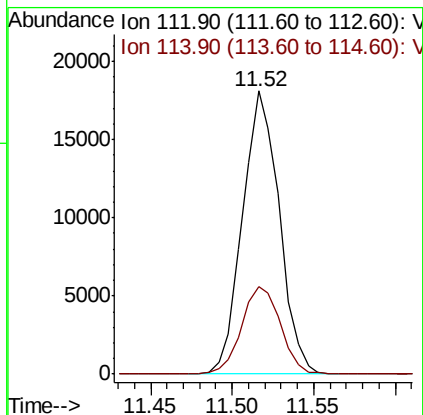
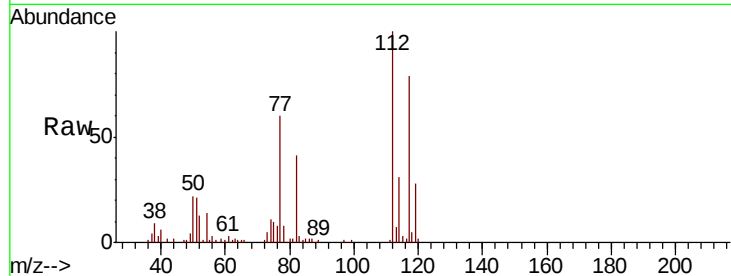




#65
Chlorobenzene
Concen: 4.975 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

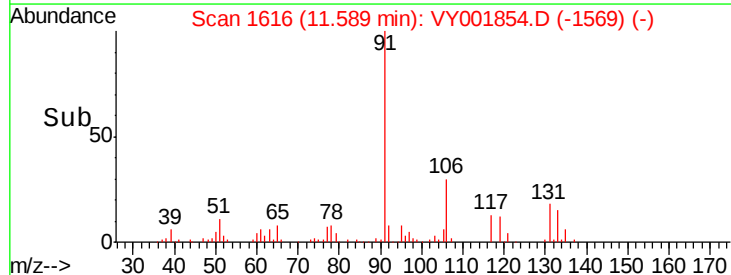
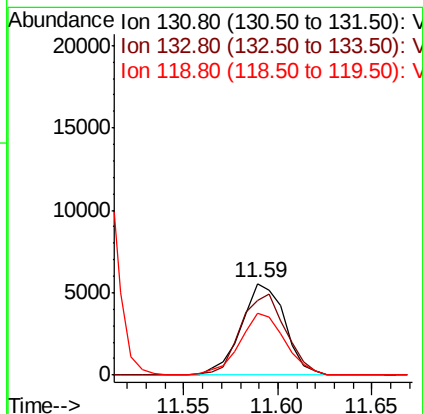
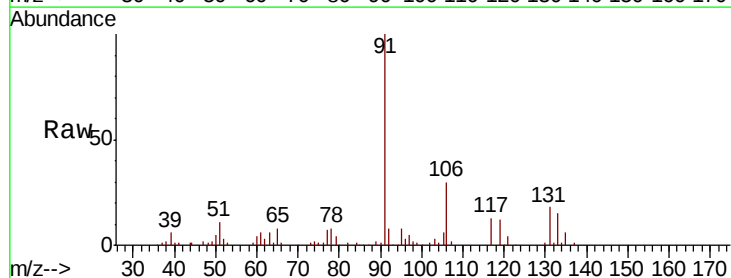
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

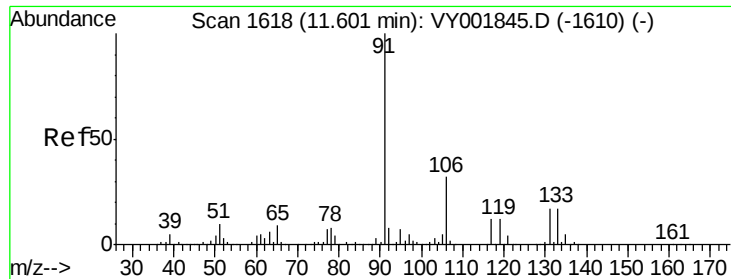
Tot Ion:112 Resp: 28387
Ion Ratio Lower Upper
112 100
114 31.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 4.782 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion:131 Resp: 8948
Ion Ratio Lower Upper
131 100
133 91.4 47.1 141.3
119 69.9 34.5 103.6

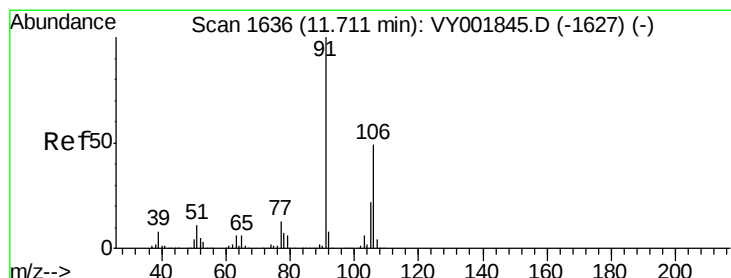
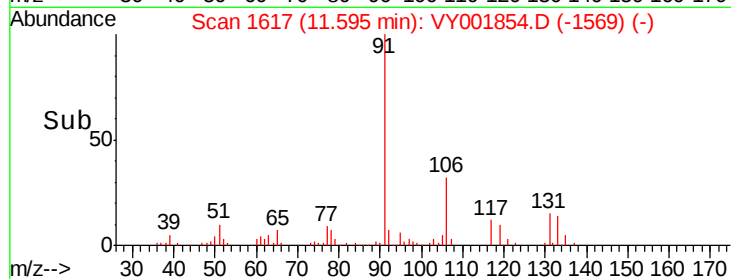
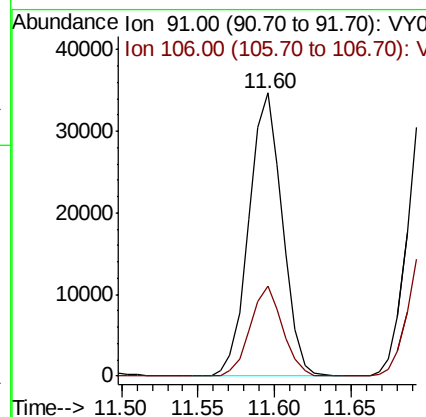
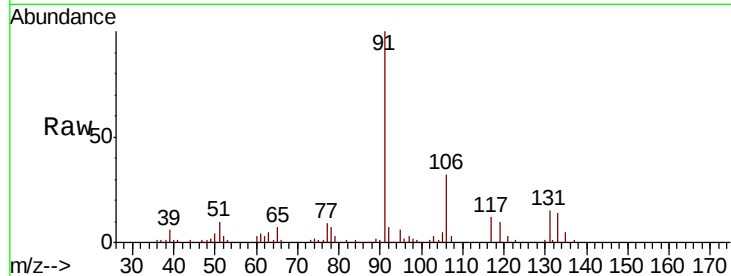




#67
Ethyl Benzene
Concen: 4.936 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

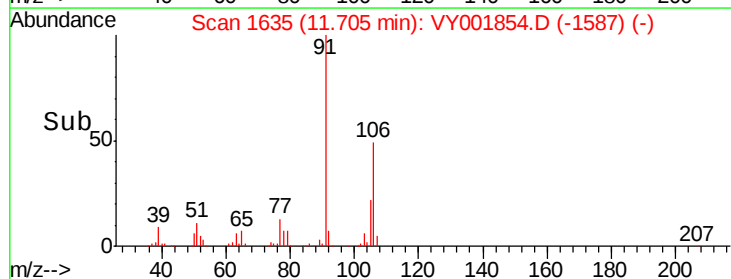
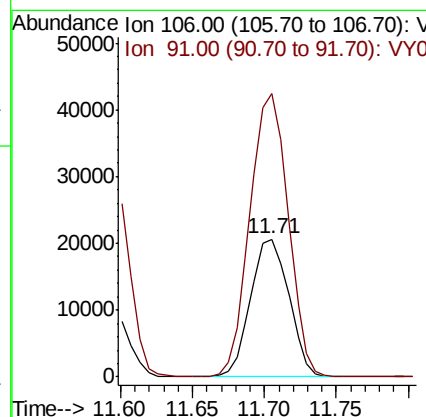
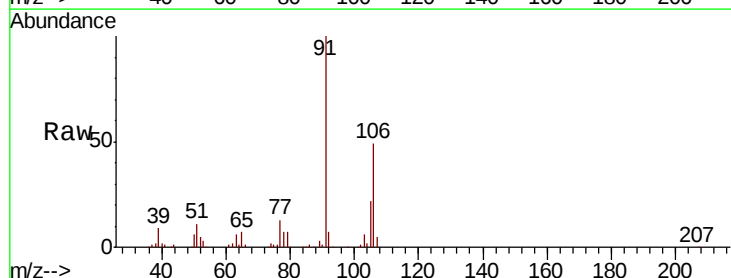
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

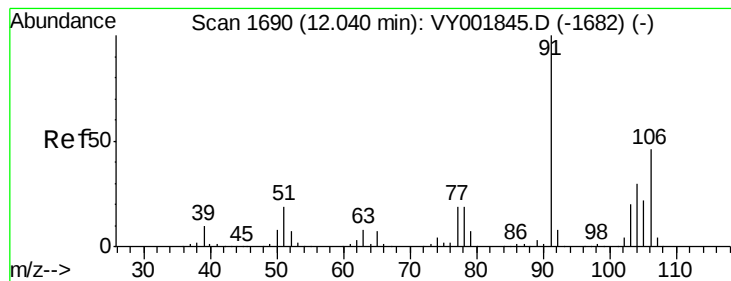
Tot Ion: 91 Resp: 52519
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 9.713 ug/l
RT: 11.71 min Scan# 1635
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 106 Resp: 38209
Ion Ratio Lower Upper
106 100
91 204.7 161.3 241.9





#69

o-Xylene

Concen: 4.868 ug/l

RT: 12.03 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

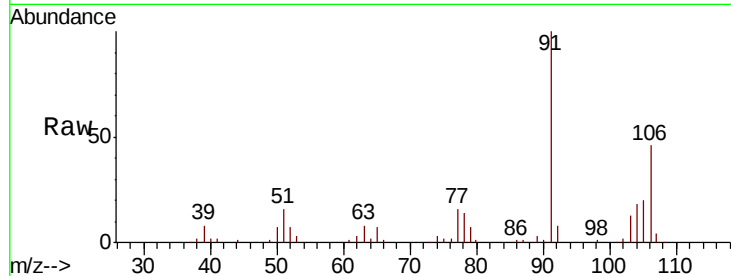
LOQ-SOIL-02-QT1-2020

Tot Ion:106 Resp: 18049

Ion Ratio Lower Upper

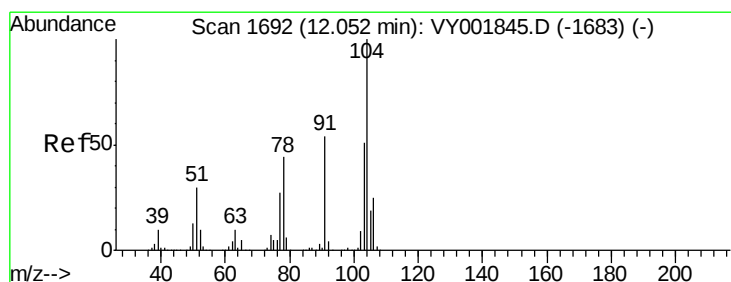
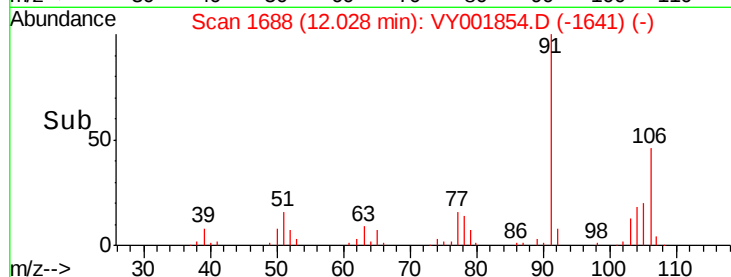
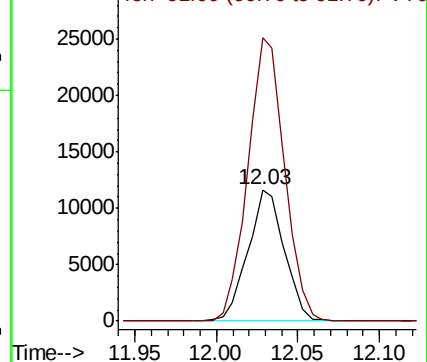
106 100

91 217.5 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VY0



#70

Styrene

Concen: 4.741 ug/l

RT: 12.05 min Scan# 1691

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

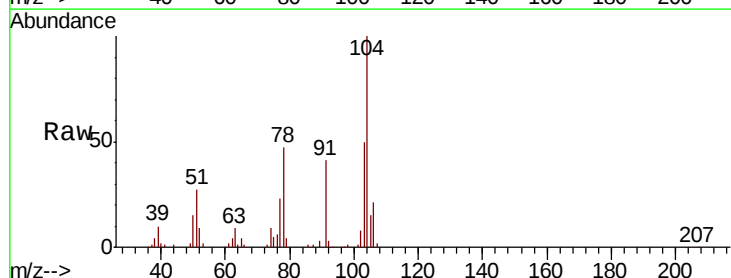
Tgt Ion:104 Resp: 30106

Ion Ratio Lower Upper

104 100

78 49.7 38.5 57.7

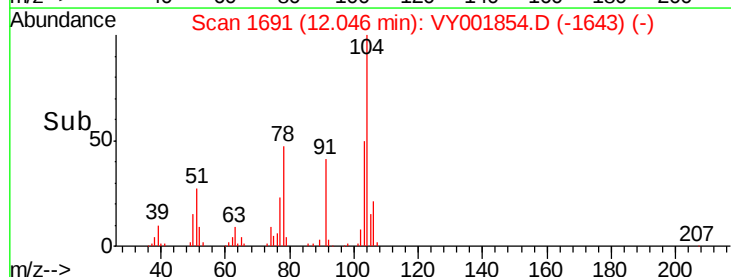
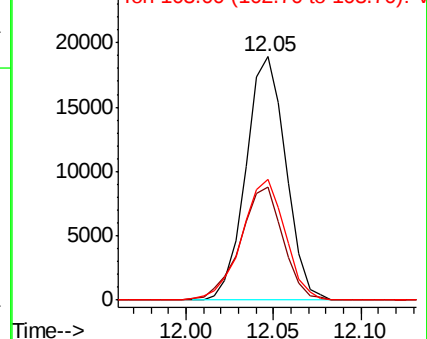
103 54.0 42.9 64.3

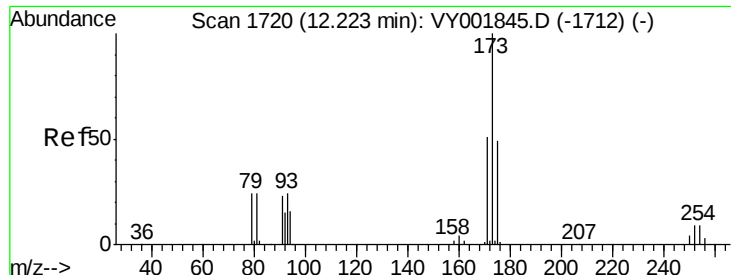


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VY0

Ion 103.00 (102.70 to 103.70): V

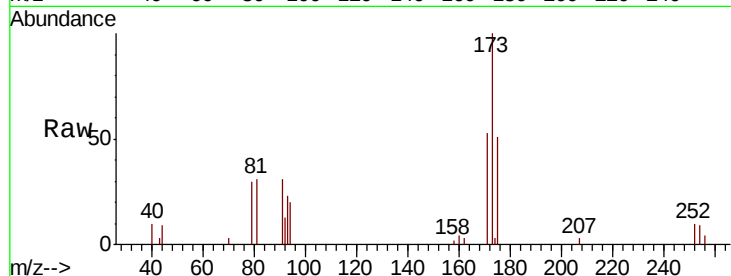




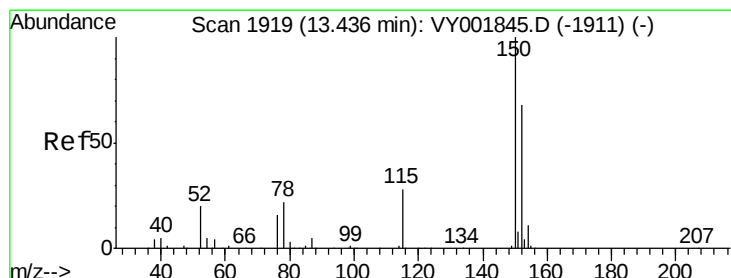
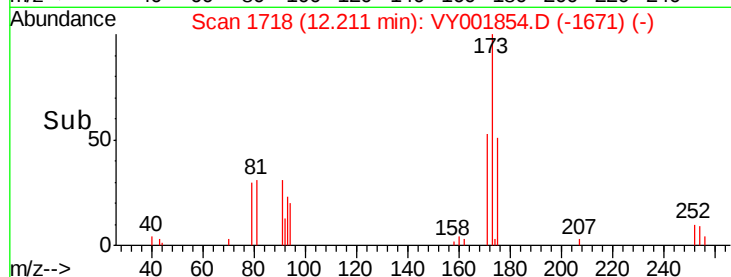
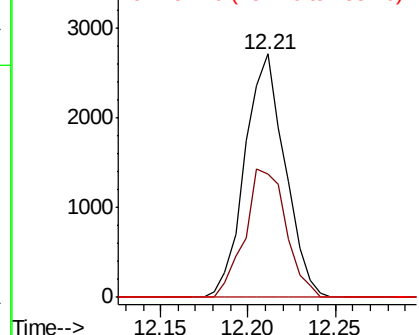
#71
Bromoform
Concen: 4.260 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion:173 Resp: 4323
Ion Ratio Lower Upper
173 100
175 54.0 24.3 72.8
254 0.0 0.0 0.0

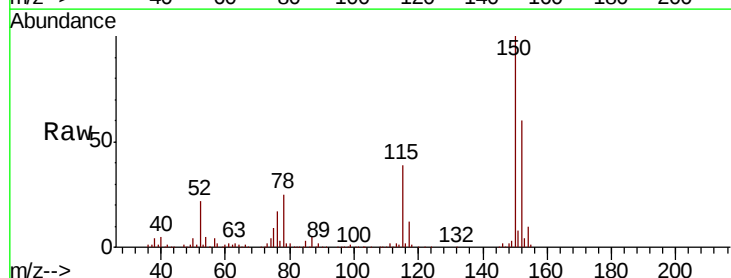


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

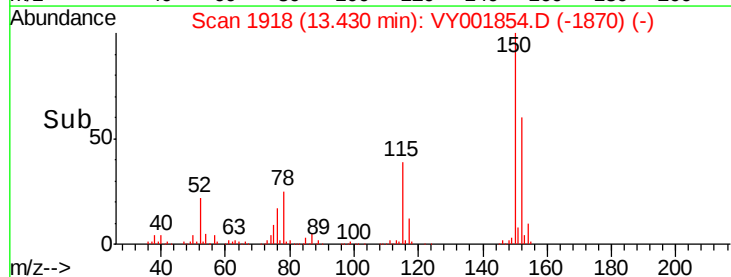
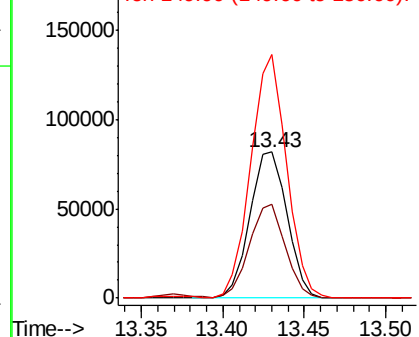


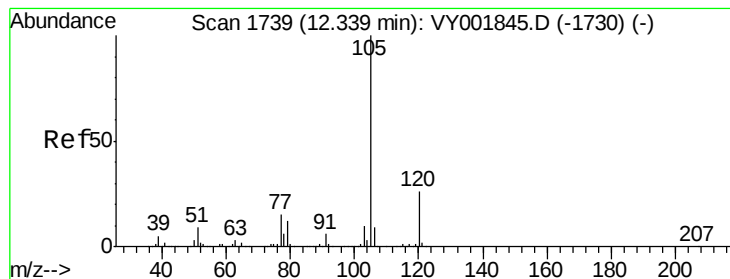
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.43 min Scan# 1918
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion:152 Resp: 130705
Ion Ratio Lower Upper
152 100
115 62.0 29.9 89.7
150 160.2 0.0 340.6



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





#73

Isopropylbenzene

Concen: 4.867 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

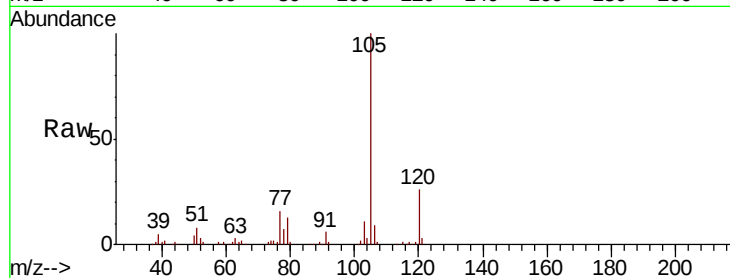
LOQ-SOIL-02-QT1-2020

Tot Ion: 105 Resp: 48565

Ion Ratio Lower Upper

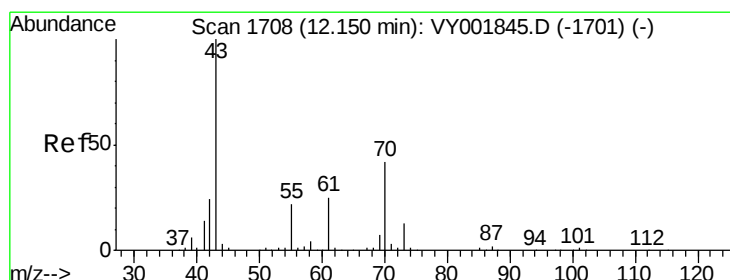
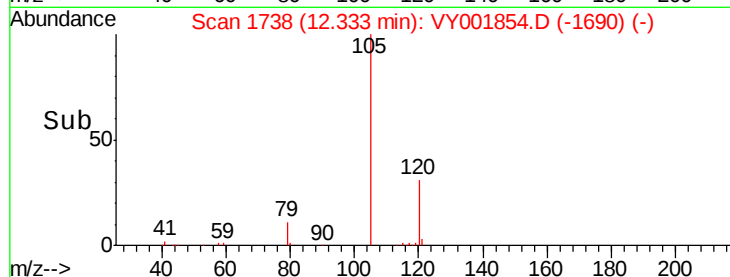
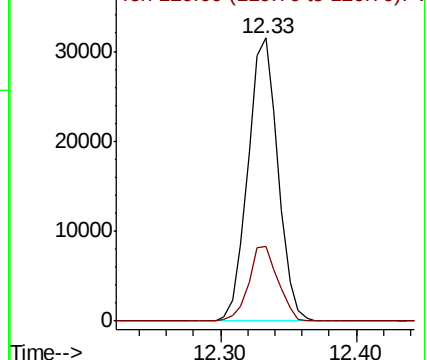
105 100

120 25.8 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.950 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Tgt Ion: 43 Resp: 15180

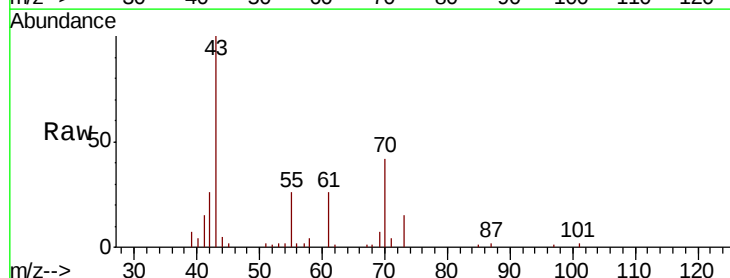
Ion Ratio Lower Upper

43 100

70 43.5 34.7 52.1

55 24.4 18.2 27.4

61 23.4 20.1 30.1

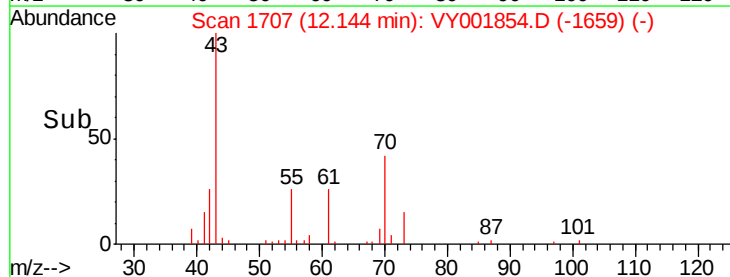
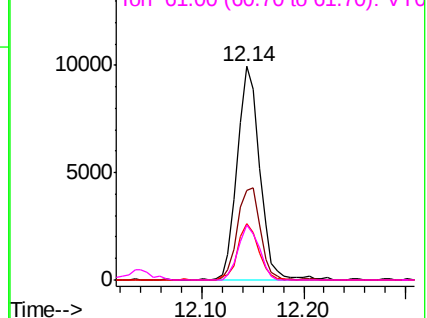


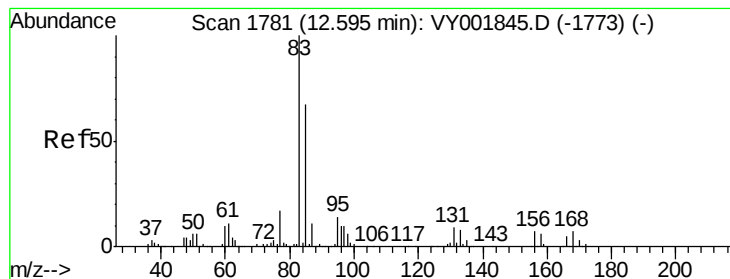
Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 70.00 (69.70 to 70.70): VY0

Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.801 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

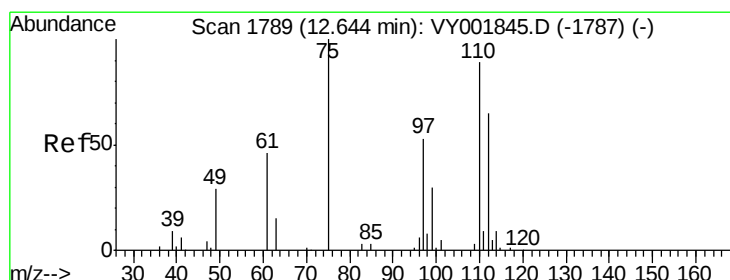
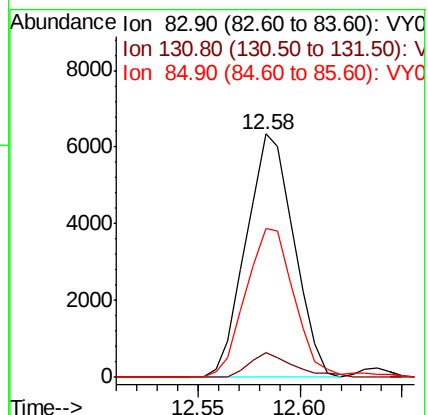
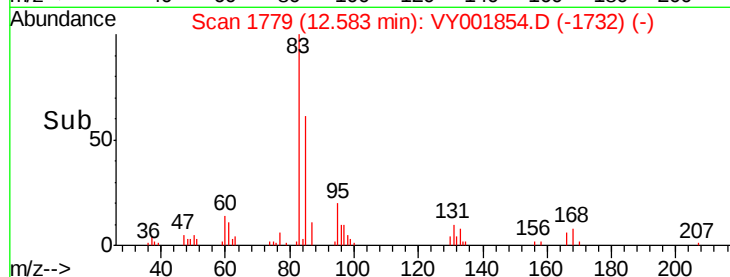
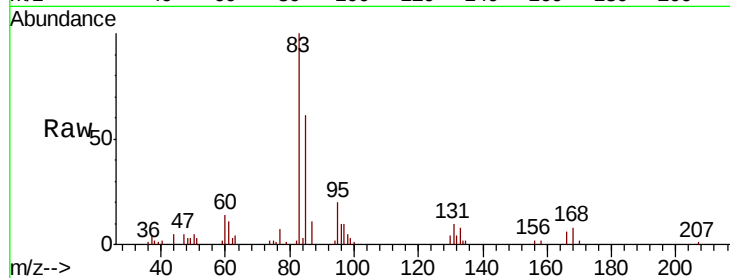
Tot Ion: 83 Resp: 10331

Ion Ratio Lower Upper

83 100

131 9.3 4.6 13.8

85 62.3 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 8.529 ug/l

RT: 12.63 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VY001854.D

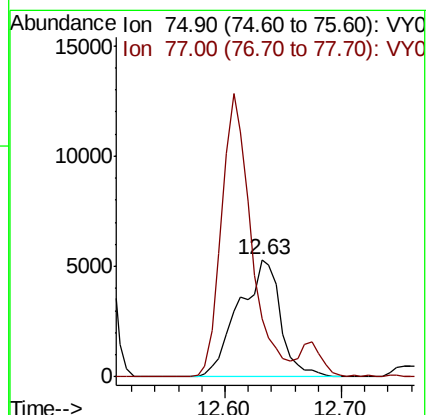
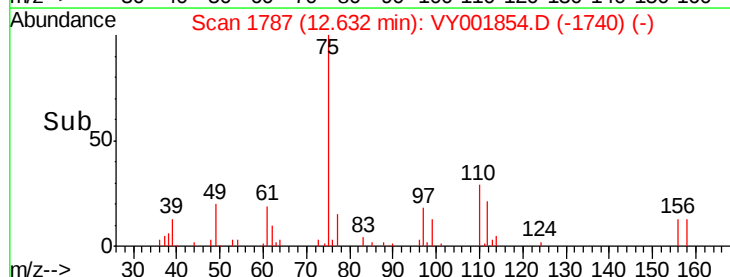
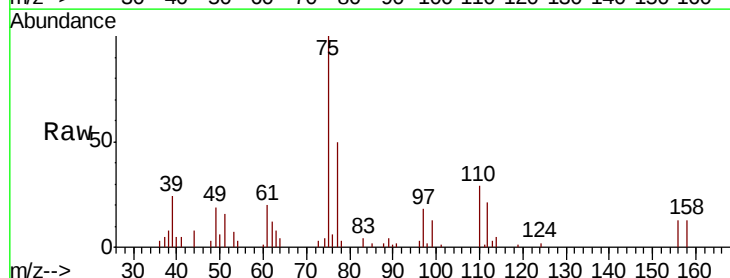
Acq: 04 Mar 2020 15:28

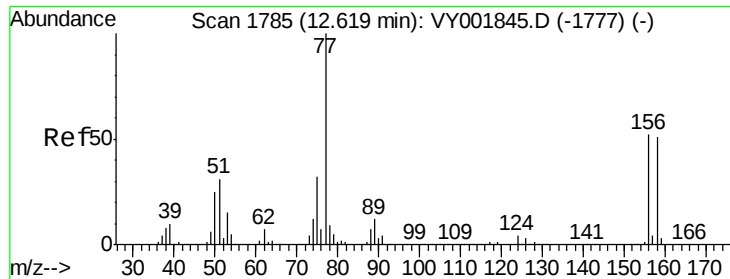
Tgt Ion: 75 Resp: 13228

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.889 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

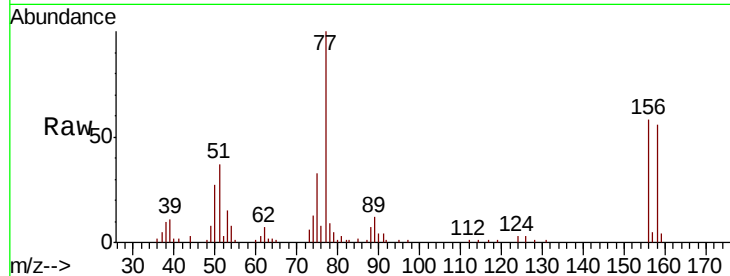
Tot Ion:156 Resp: 10336

Ion Ratio Lower Upper

156 100

77 219.7 109.0 327.0

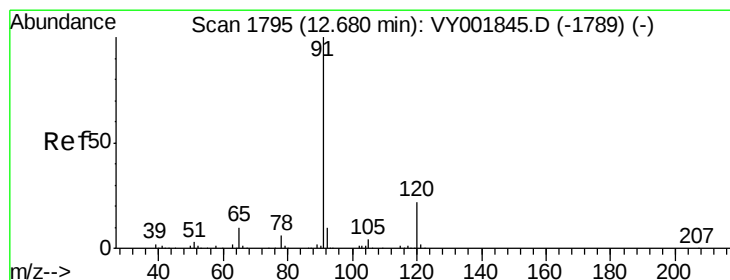
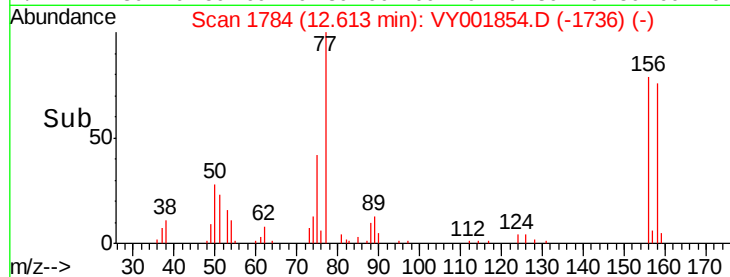
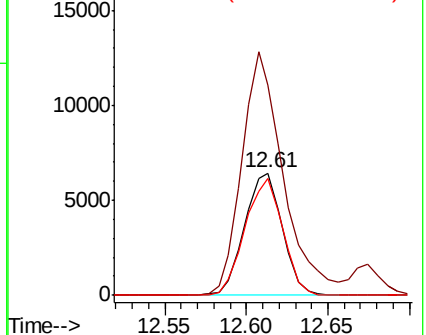
158 95.4 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.985 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY001854.D

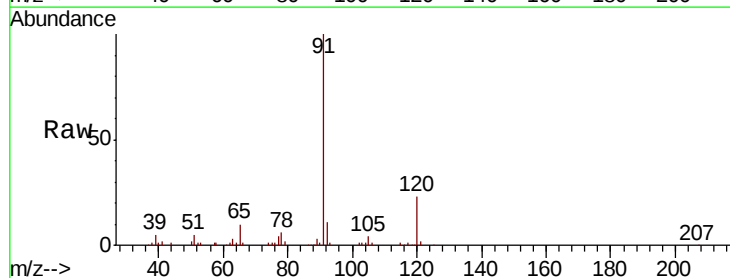
Acq: 04 Mar 2020 15:28

Tgt Ion: 91 Resp: 61358

Ion Ratio Lower Upper

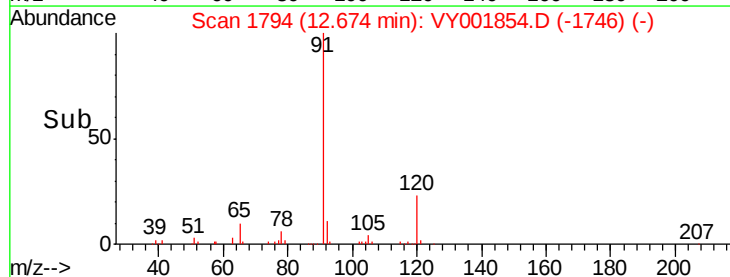
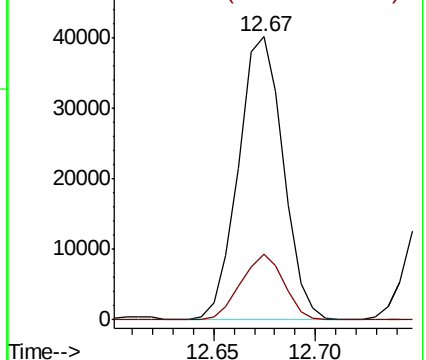
91 100

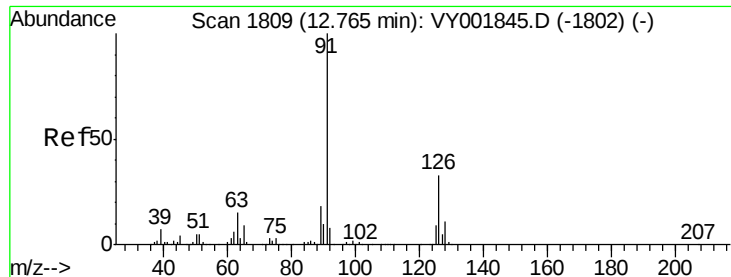
120 22.3 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

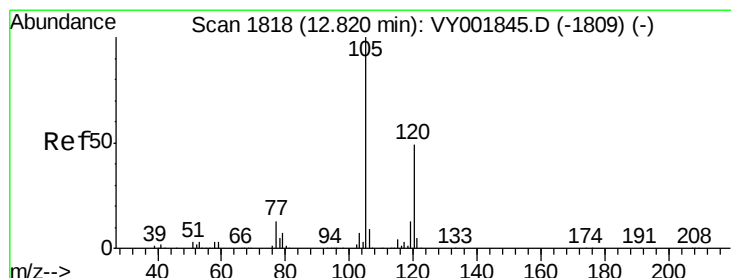
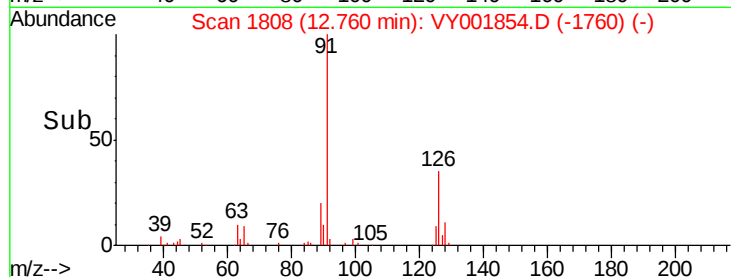
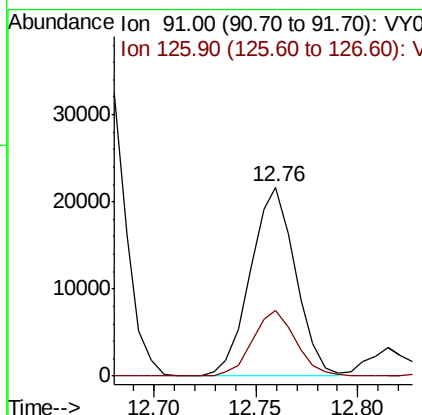
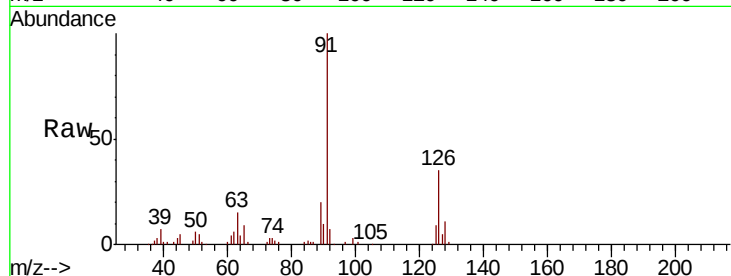




#79
2-Chlorotoluene
Concen: 4.908 ug/l
RT: 12.76 min Scan# 1808
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

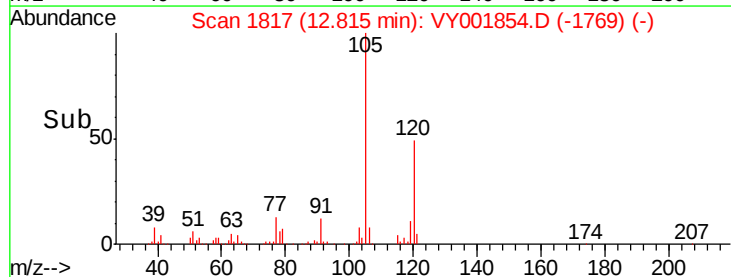
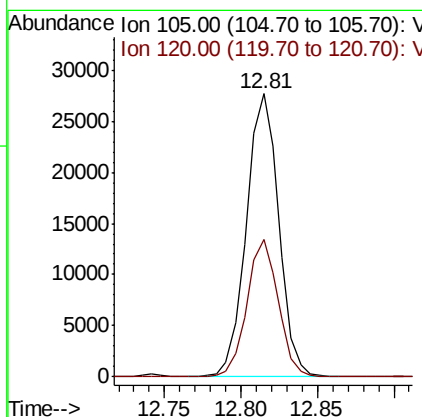
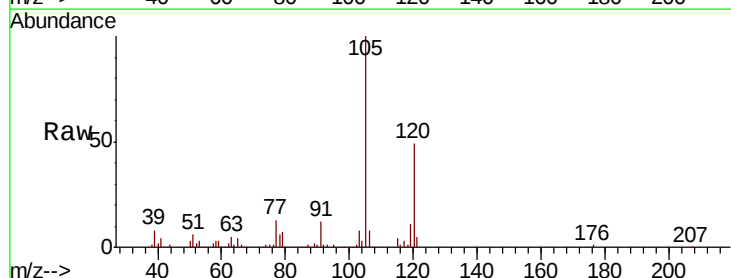
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

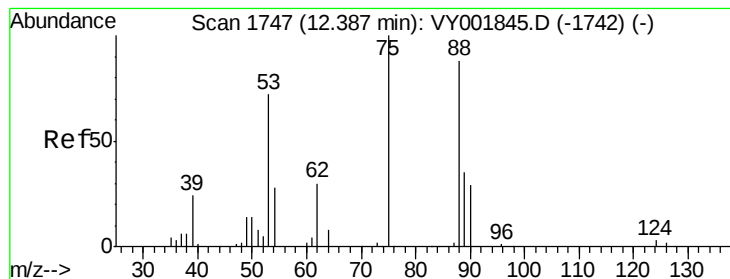
Tot Ion: 91 Resp: 33378
Ion Ratio Lower Upper
91 100
126 32.9 16.3 48.8



#80
1,3,5-Trimethylbenzene
Concen: 4.961 ug/l
RT: 12.81 min Scan# 1817
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 105 Resp: 40754
Ion Ratio Lower Upper
105 100
120 47.0 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 4.508 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

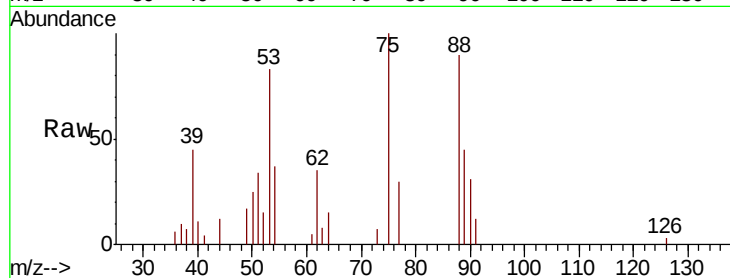
Tot Ion: 75 Resp: 3461

Ion Ratio Lower Upper

75 100

53 83.3 65.4 98.0

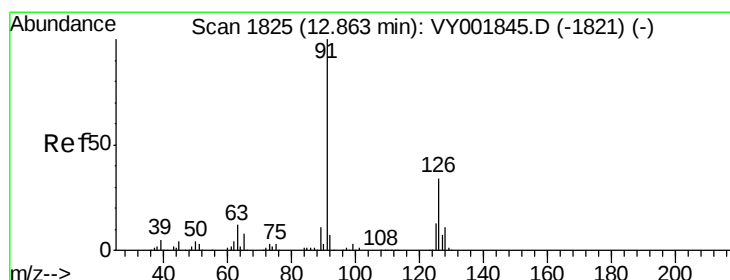
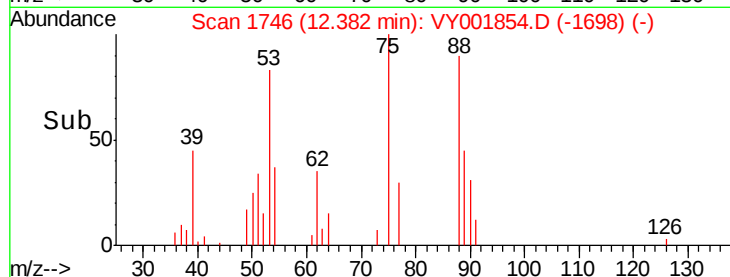
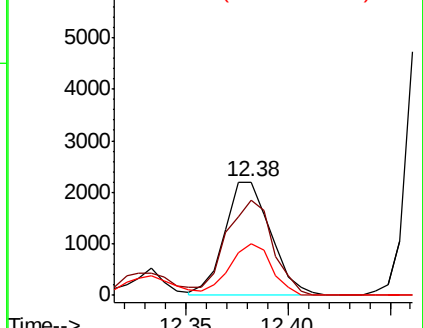
89 40.8 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 53.00 (52.70 to 53.70): VY0

Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 5.037 ug/l

RT: 12.86 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VY001854.D

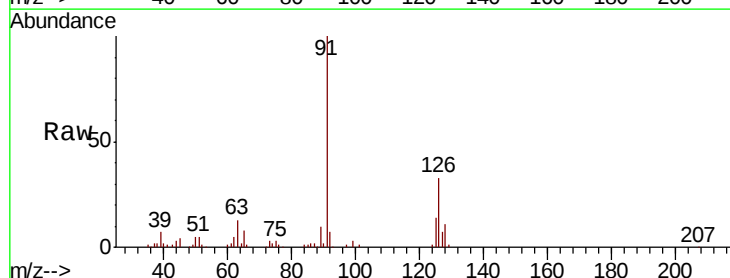
Acq: 04 Mar 2020 15:28

Tgt Ion: 91 Resp: 35665

Ion Ratio Lower Upper

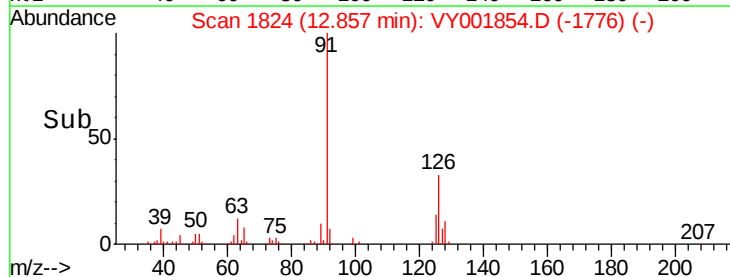
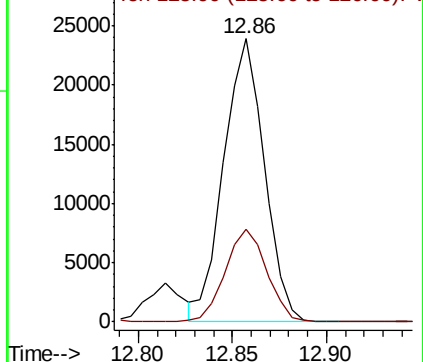
91 100

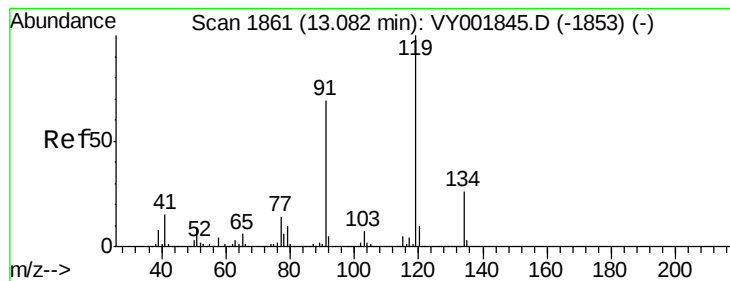
126 33.5 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 4.811 ug/l

RT: 13.08 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

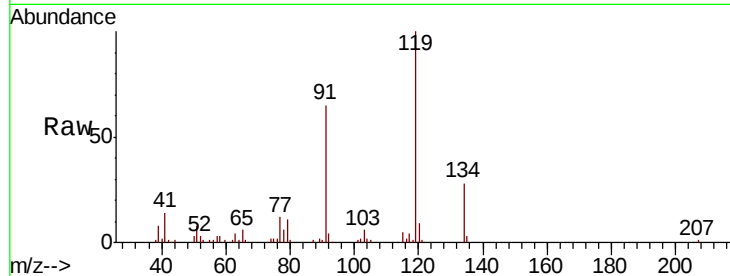
Tot Ion:119 Resp: 32824

Ion Ratio Lower Upper

119 100

91 68.9 34.0 101.8

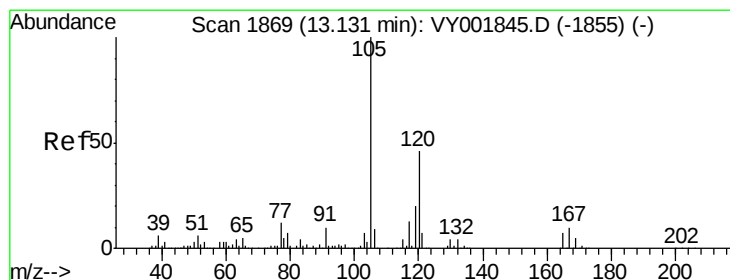
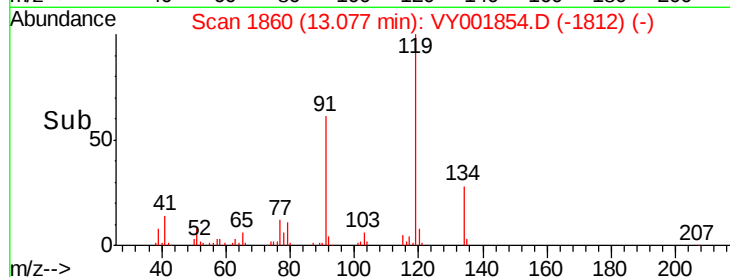
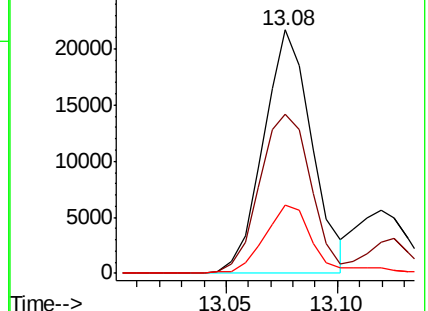
134 28.6 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VY0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 5.066 ug/l

RT: 13.12 min Scan# 1867

Delta R.T. -0.01 min

Lab File: VY001854.D

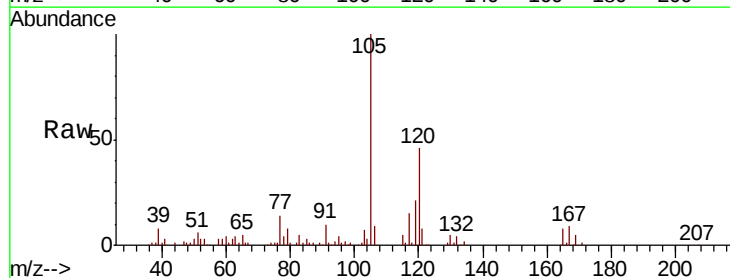
Acq: 04 Mar 2020 15:28

Tgt Ion:105 Resp: 41293

Ion Ratio Lower Upper

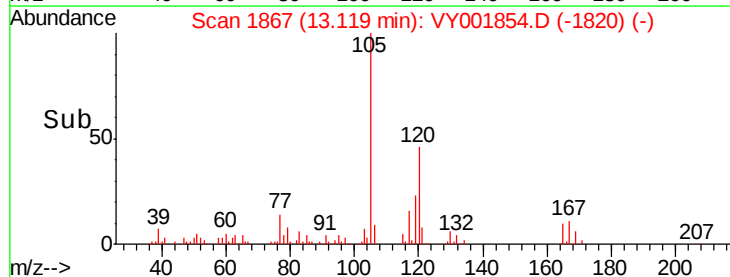
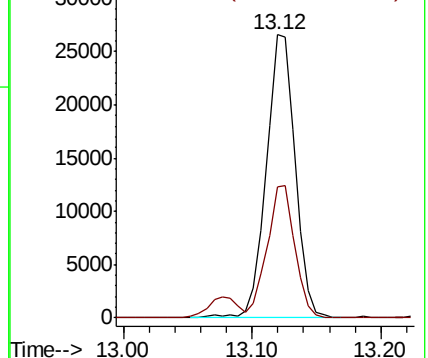
105 100

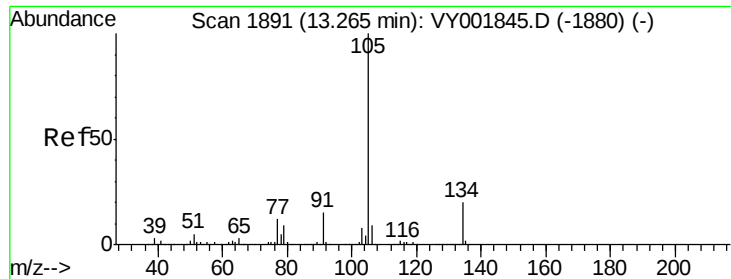
120 45.0 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.909 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

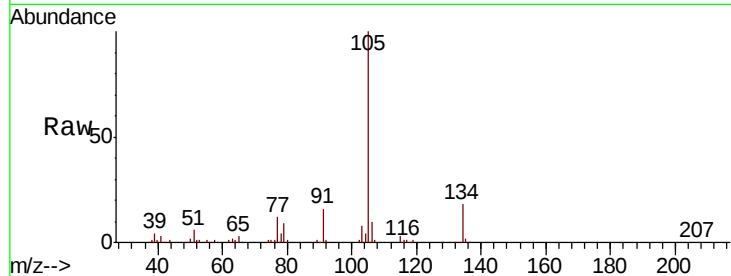
LOQ-SOIL-02-QT1-2020

Tot Ion:105 Resp: 49367

Ion Ratio Lower Upper

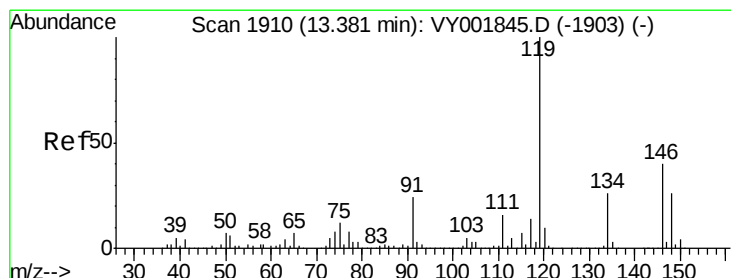
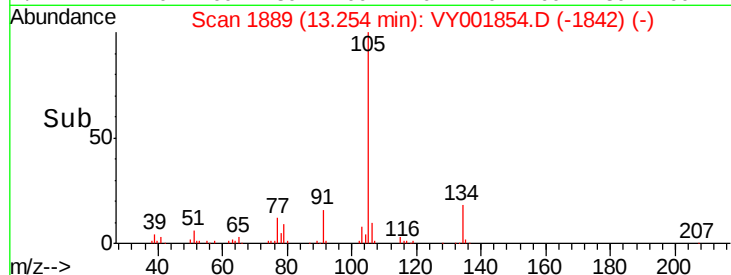
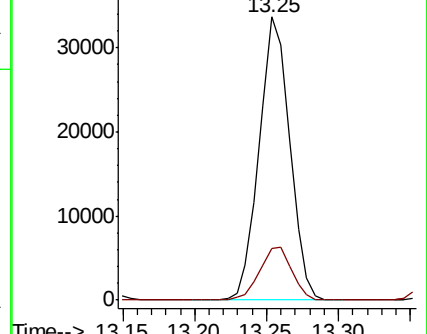
105 100

134 19.5 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 5.076 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

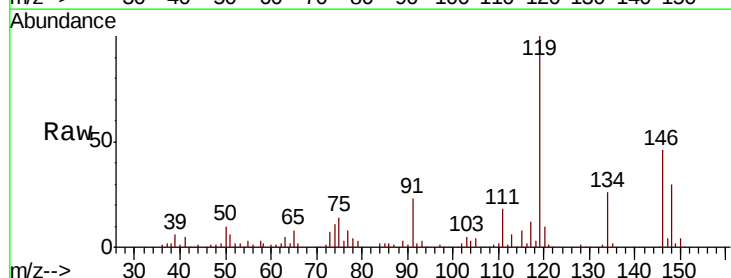
Tgt Ion:119 Resp: 44035

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

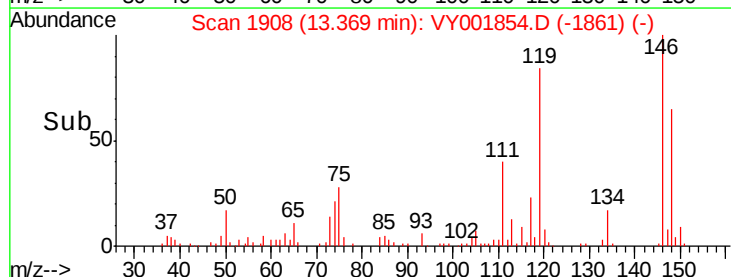
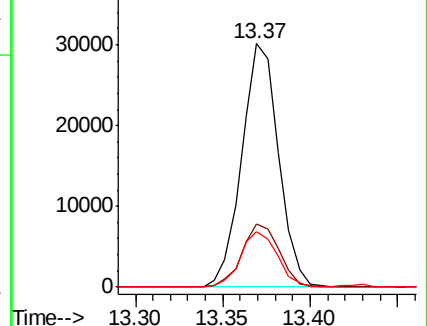
91 23.0 11.9 35.7

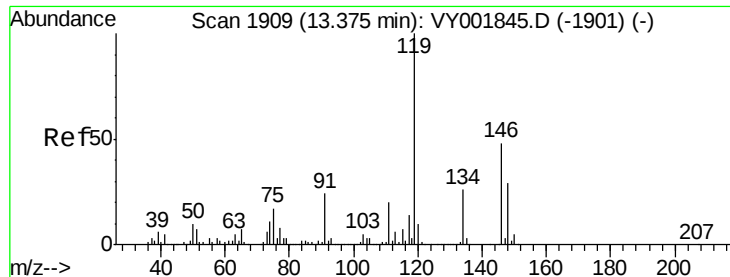


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0





#87

1,3-Dichlorobenzene

Concen: 5.089 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

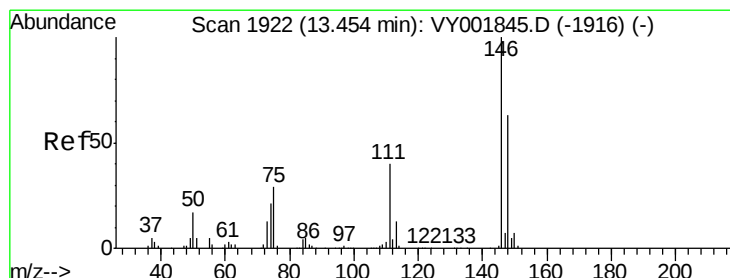
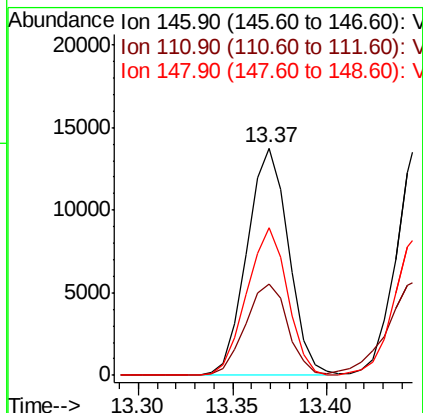
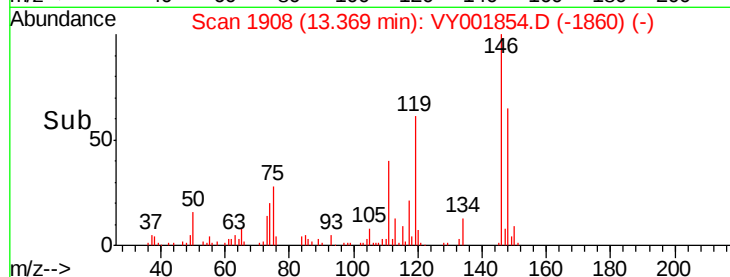
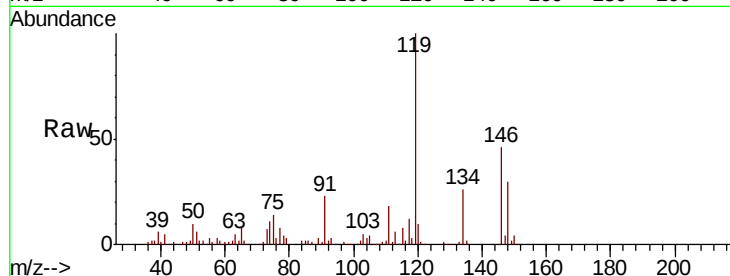
Tot Ion:146 Resp: 21080

Ion Ratio Lower Upper

146 100

111 40.9 20.8 62.5

148 63.3 31.4 94.0



#88

1,4-Dichlorobenzene

Concen: 5.128 ug/l

RT: 13.45 min Scan# 1921

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

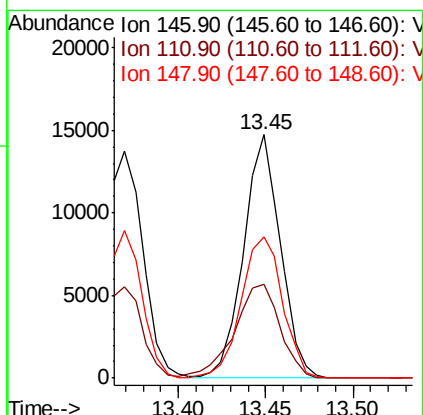
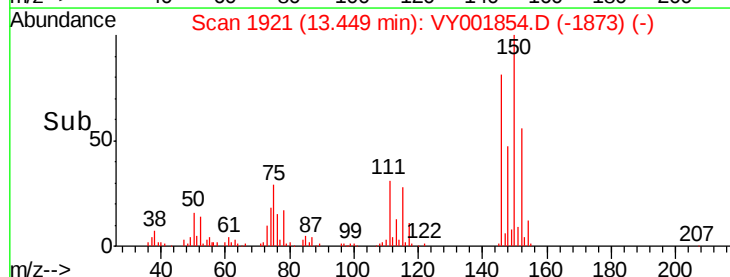
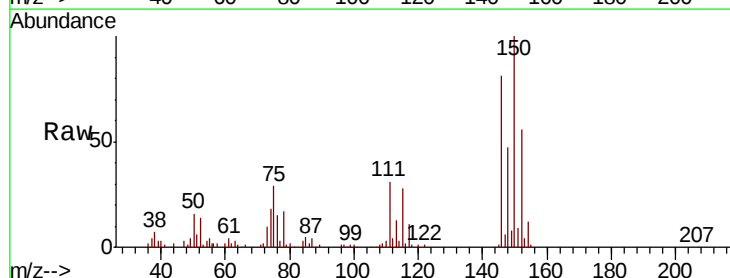
Tgt Ion:146 Resp: 21551

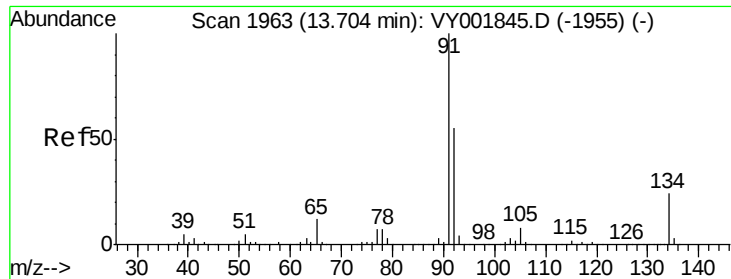
Ion Ratio Lower Upper

146 100

111 47.9 20.0 60.0

148 65.3 31.5 94.5

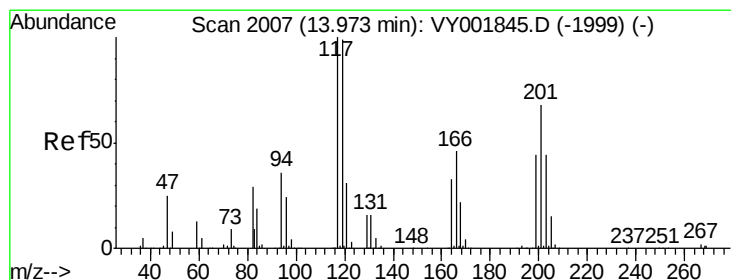
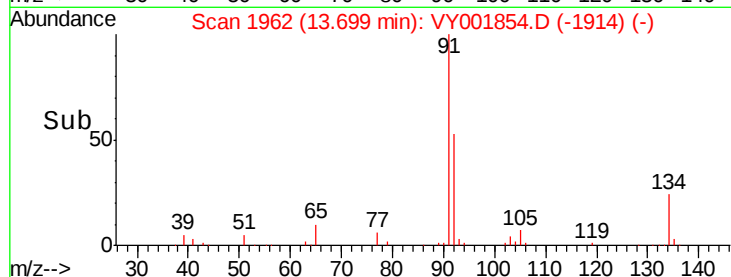
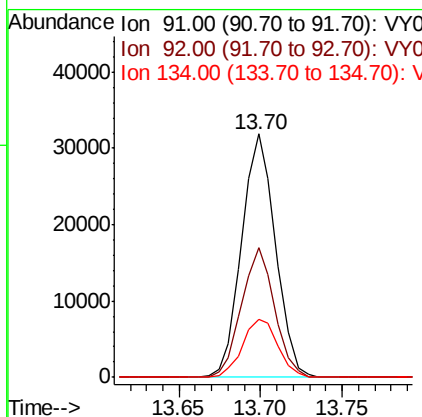
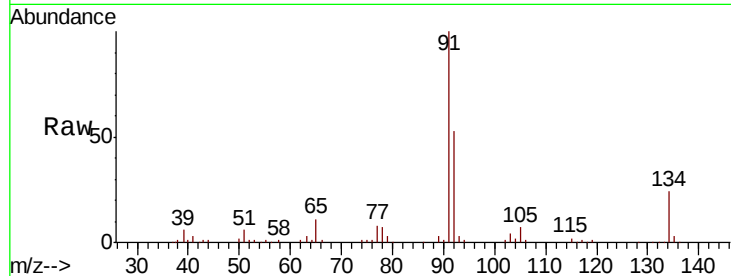




#89
n-Butylbenzene
Concen: 5.114 ug/l
RT: 13.70 min Scan# 1962
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

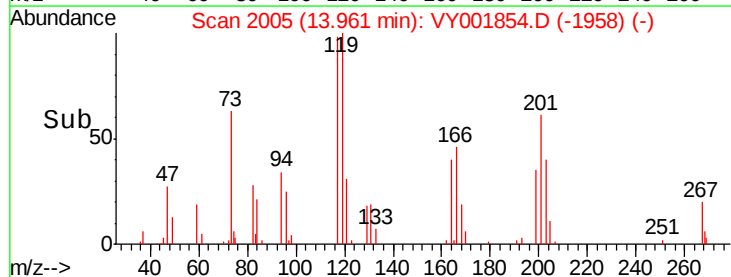
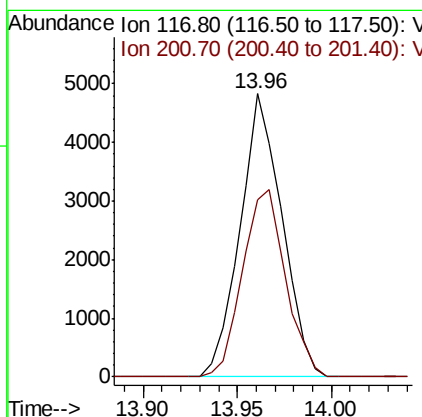
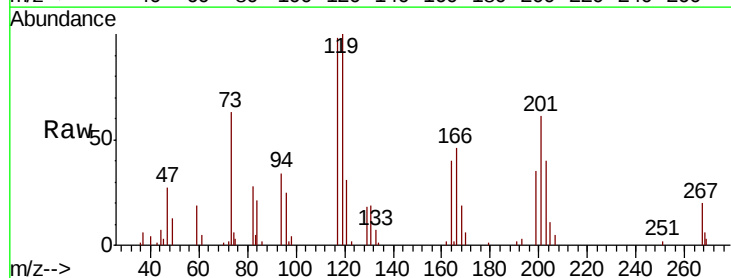
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT1-2020

Tot Ion: 91 Resp: 46026
Ion Ratio Lower Upper
91 100
92 52.0 27.5 82.4
134 25.2 12.5 37.5



#90
Hexachloroethane
Concen: 4.555 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VY001854.D
Acq: 04 Mar 2020 15:28

Tgt Ion: 117 Resp: 7455
Ion Ratio Lower Upper
117 100
201 68.0 32.5 97.5

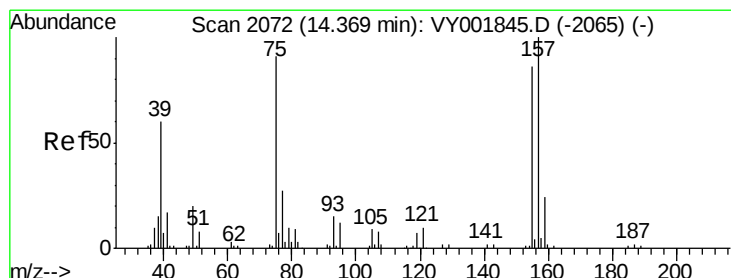
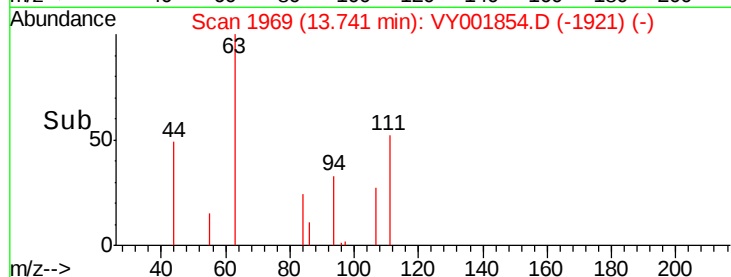
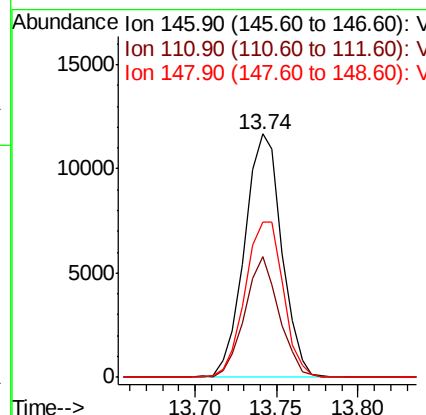
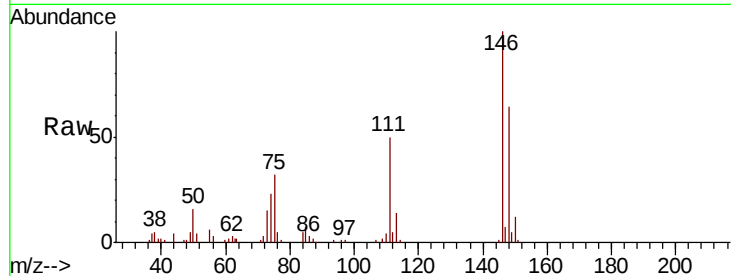




#91
 1,2-Dichlorobenzene
 Concen: 4.939 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001854.D
 Acq: 04 Mar 2020 15:28

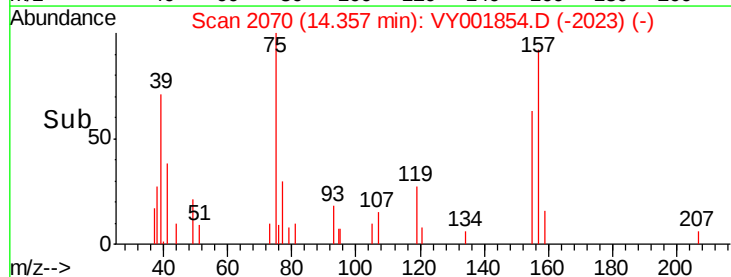
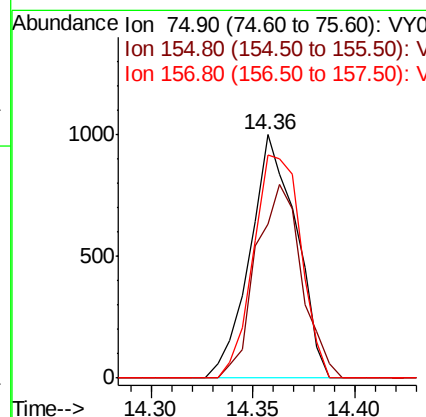
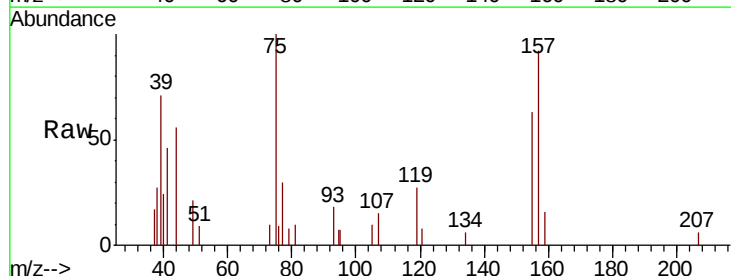
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

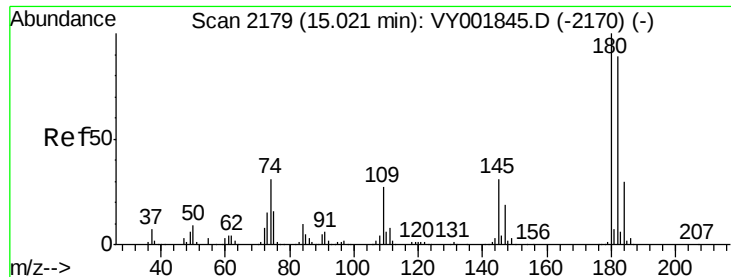
Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	21.5	64.5
148	65.6	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.688 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY001854.D
 Acq: 04 Mar 2020 15:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	42.9	128.7
157	93.8	53.1	159.4

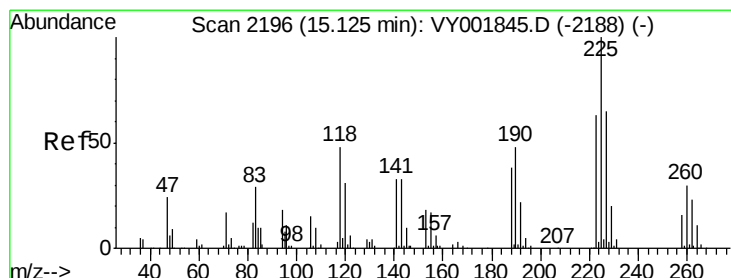
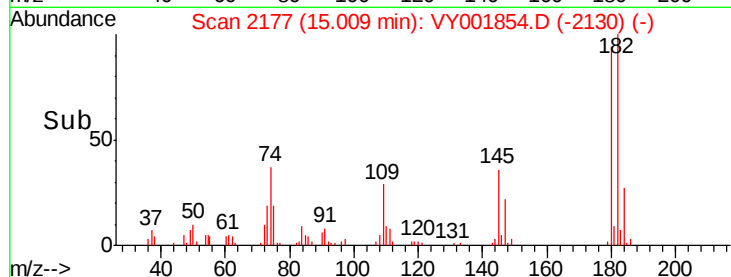
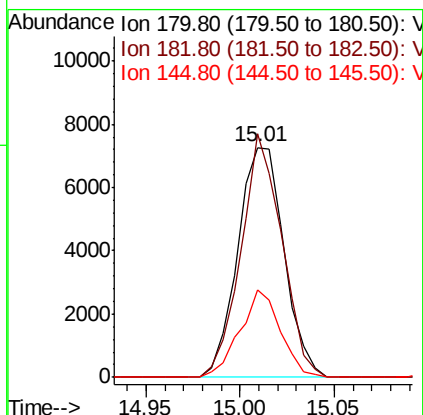
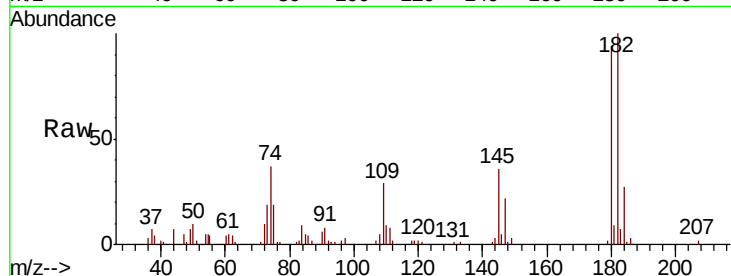




#93
 1,2,4-Trichlorobenzene
 Concen: 5.071 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001854.D
 Acq: 04 Mar 2020 15:28

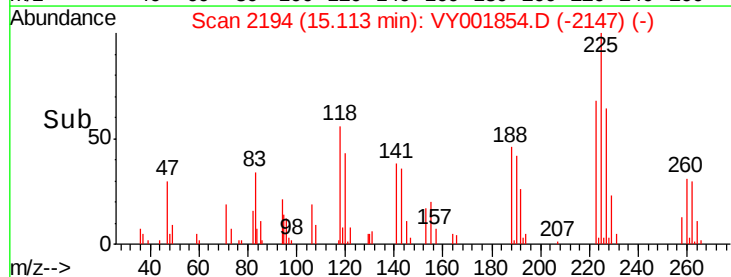
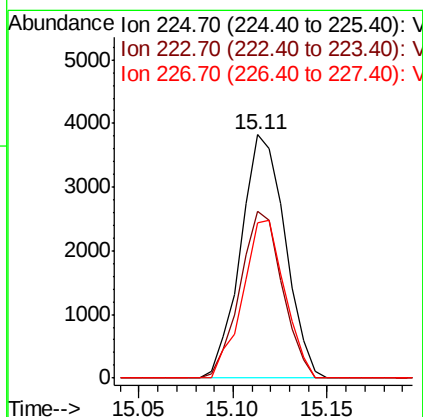
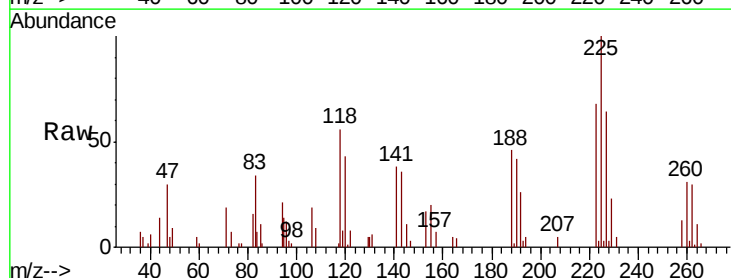
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT1-2020

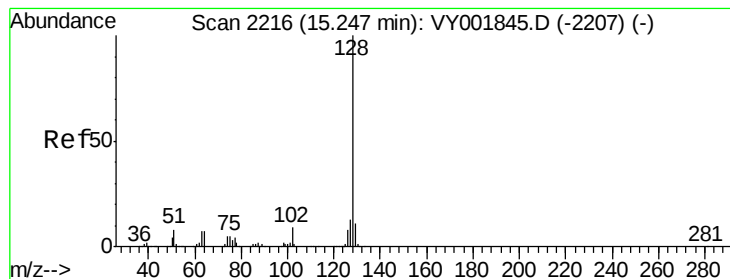
Tot Ion:180 Resp: 12377
 Ion Ratio Lower Upper
 180 100
 182 93.2 46.1 138.3
 145 33.4 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 5.257 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: VY001854.D
 Acq: 04 Mar 2020 15:28

Tgt Ion:225 Resp: 6255
 Ion Ratio Lower Upper
 225 100
 223 65.0 31.5 94.5
 227 61.2 31.9 95.5





#95

Naphthalene

Concen: 4.842 ug/l

RT: 15.24 min Scan# 2215

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT1-2020

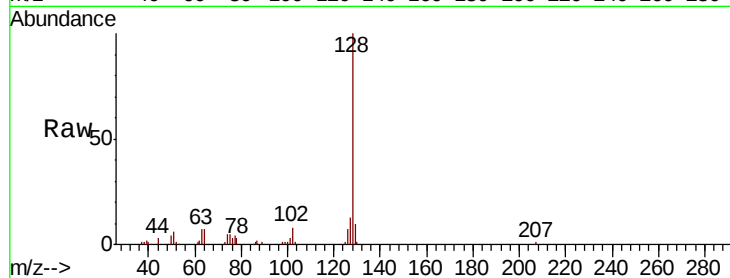
Tot Ion:128 Resp: 28031

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

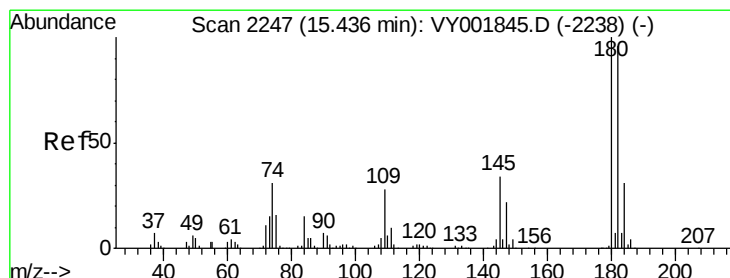
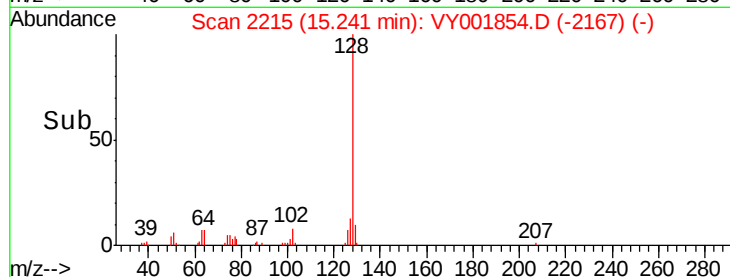
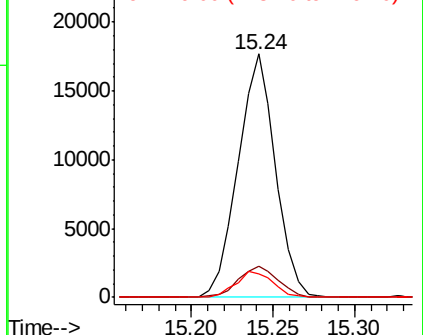
129 10.5 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.262 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY001854.D

Acq: 04 Mar 2020 15:28

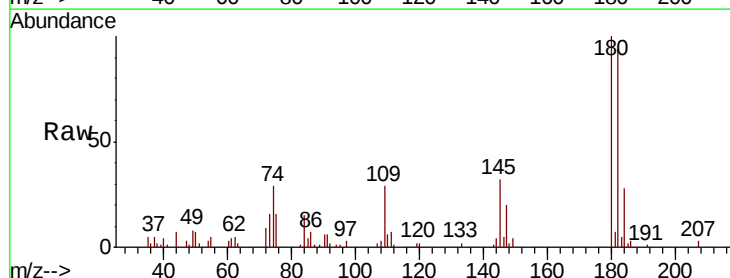
Tgt Ion:180 Resp: 11314

Ion Ratio Lower Upper

180 100

182 91.8 47.6 142.9

145 35.2 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

