

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070720\
 Data File : VD065931.D
 Acq On : 07 Jul 2020 19:59
 Operator : VA/SY
 Sample : L3216-01 4PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 08 09:56:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 09:53:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	408226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	641970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	608009	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	293414	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	171789	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	7.91	113	184270	46.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.06%	
50) Toluene-d8	10.34	98	669272	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
62) 4-Bromofluorobenzene	12.63	95	233410	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	17673	4.870	ug/l	97
3) Chloromethane	2.20	50	16338	4.541	ug/l	98
4) Vinyl Chloride	2.35	62	14455	4.376	ug/l	89
5) Bromomethane	2.77	94	10233	4.890	ug/l	81
6) Chloroethane	2.92	64	8530	4.320	ug/l	93
7) Trichlorofluoromethane	3.27	101	32602	4.605	ug/l	92
8) Diethyl Ether	3.71	74	9348	4.813	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	18967	4.479	ug/l	98
10) Methyl Iodide	4.30	142	15789	3.926	ug/l	98
11) Tert butyl alcohol	5.21	59	8063	31.078	ug/l #	79
12) 1,1-Dichloroethene	4.06	96	18879	4.772	ug/l	91
13) Acrolein	3.93	56	4298	20.136	ug/l	86
14) Allyl chloride	4.71	41	29513	4.402	ug/l	96
15) Acrylonitrile	5.43	53	18690	21.978	ug/l #	87
16) Acetone	4.16	43	16629	19.613	ug/l	90
17) Carbon Disulfide	4.41	76	56163	4.455	ug/l	96
18) Methyl Acetate	4.71	43	10779	5.423	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	36630	4.373	ug/l	99
20) Methylene Chloride	4.96	84	59433	9.868	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	20321	4.565	ug/l	93
22) Diisopropyl ether	6.36	45	55641	4.416	ug/l	96
23) Vinyl Acetate	6.30	43	141843	19.723	ug/l	96
24) 1,1-Dichloroethane	6.26	63	33497	4.459	ug/l	98
25) 2-Butanone	7.21	43	25787	23.016	ug/l #	85
26) 2,2-Dichloropropane	7.21	77	28790	4.380	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	21646	4.526	ug/l	92
28) Bromochloromethane	7.54	49	12314	4.339	ug/l #	11
29) Tetrahydrofuran	7.56	42	14840	20.830	ug/l	96
30) Chloroform	7.71	83	34848	4.575	ug/l	96
31) Cyclohexane	7.99	56	37211	5.034	ug/l #	72
32) 1,1,1-Trichloroethane	7.90	97	32047	4.611	ug/l	96
36) 1,1-Dichloropropene	8.11	75	27477	4.334	ug/l	96
37) Ethyl Acetate	7.30	43	10431	3.926	ug/l #	71
38) Carbon Tetrachloride	8.09	117	28711	4.225	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	32065	4.119	ug/l	95
40) Benzene	8.35	78	78783	4.498	ug/l	92
41) Methacrylonitrile	7.53	41	4996	3.239	ug/l #	71
42) 1,2-Dichloroethane	8.43	62	21969	4.427	ug/l	94
43) Isopropyl Acetate	8.45	43	21652	4.379	ug/l	93
44) Trichloroethene	9.11	130	22365	4.346	ug/l	88
45) 1,2-Dichloropropane	9.38	63	19923	4.583	ug/l #	87
46) Dibromomethane	9.47	93	9510	4.202	ug/l	94
47) Bromodichloromethane	9.67	83	26062	4.293	ug/l #	98
48) Methyl methacrylate	9.46	41	10872	4.367	ug/l	98
49) 1,4-Dioxane	9.46	88	2481	92.253	ug/l #	90
51) 4-Methyl-2-Pentanone	10.23	43	48919	19.568	ug/l	99
52) Toluene	10.41	92	49861	4.474	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	23647	4.142	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	28920	4.192	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	14102	4.522	ug/l	97
56) Ethyl methacrylate	10.67	69	15356	4.032	ug/l	96
57) 1,3-Dichloropropane	10.95	76	23368	4.285	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	35135	19.047	ug/l	98
59) 2-Hexanone	10.99	43	35003	20.358	ug/l	95
60) Dibromochloromethane	11.14	129	18151	4.260	ug/l	98
61) 1,2-Dibromoethane	11.25	107	13430	4.319	ug/l	98
64) Tetrachloroethene	10.88	164	20386	4.611	ug/l	92
65) Chlorobenzene	11.67	112	54348	4.436	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	18722	4.085	ug/l	95
67) Ethyl Benzene	11.75	91	89265	4.101	ug/l	97
68) m/p-Xylenes	11.86	106	70247	8.494	ug/l	96
69) o-Xylene	12.18	106	31570	4.191	ug/l	95
70) Styrene	12.20	104	52449	4.033	ug/l	99
71) Bromoform	12.37	173	10722	4.135	ug/l #	97
73) Isopropylbenzene	12.48	105	83627	4.084	ug/l	100
74) N-amyl acetate	12.29	43	18813	4.094	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	14736	4.335	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	19276	7.831	ug/l #	100
77) Bromobenzene	12.76	156	21741	4.377	ug/l	98
78) n-propylbenzene	12.82	91	100683	4.194	ug/l	98
79) 2-Chlorotoluene	12.91	91	59001	4.332	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	71052	4.242	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.53	75	4892	4.271	ug/l	88
82) 4-Chlorotoluene	13.01	91	63261	4.427	ug/l	98
83) tert-Butylbenzene	13.23	119	59067	4.139	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	65141	3.907	ug/l	98
85) sec-Butylbenzene	13.40	105	82981	4.103	ug/l	99
86) p-Isopropyltoluene	13.52	119	77006	4.163	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	40365	4.343	ug/l	94
88) 1,4-Dichlorobenzene	13.60	146	40249	4.341	ug/l	91
89) n-Butylbenzene	13.84	91	71539	4.119	ug/l	99
90) Hexachloroethane	14.11	117	15424	4.135	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	34946	4.302	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2491	4.382	ug/l	98

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Quant Title : SW846 8260
QLast Update : Wed Jul 08 09:53:45 2020
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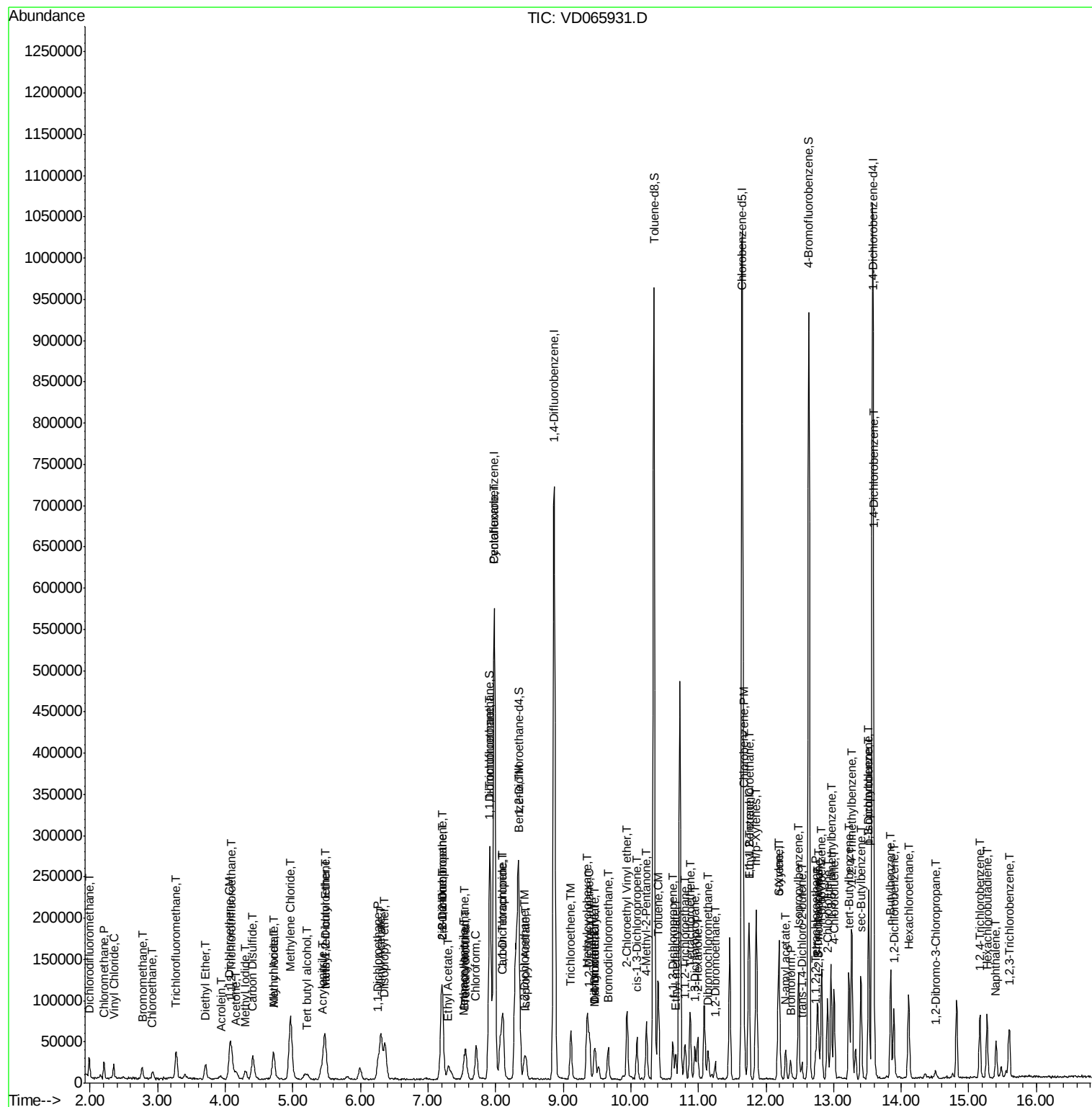
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	24582	4.246	ug/l	97
94) Hexachlorobutadiene	15.27	225	15535	4.436	ug/l	97
95) Naphthalene	15.40	128	38742	3.990	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	21640	4.334	ug/l	98

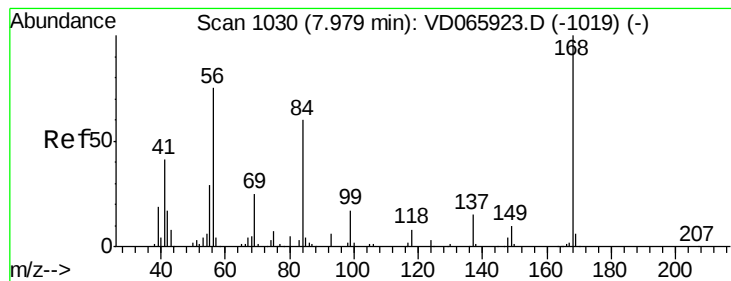
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

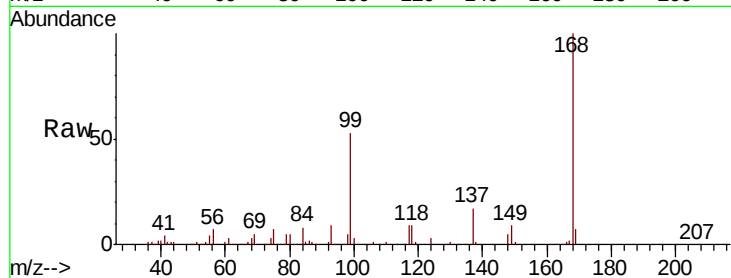
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:168 Resp: 408226

Ion Ratio Lower Upper

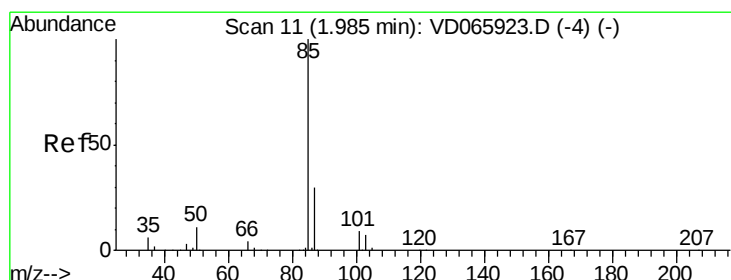
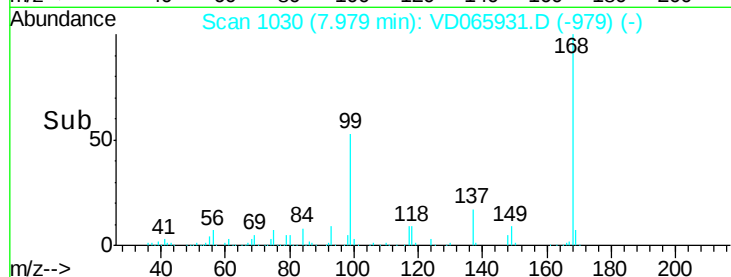
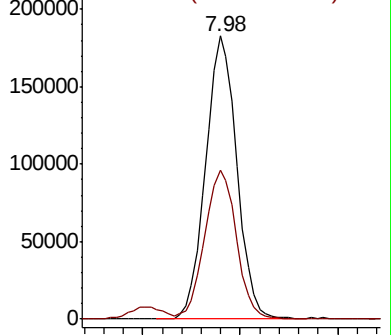
168 100

99 52.7 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 4.870 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065931.D

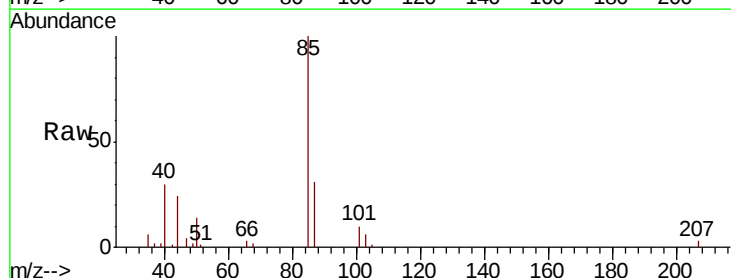
Acq: 07 Jul 2020 19:59

Tgt Ion: 85 Resp: 17673

Ion Ratio Lower Upper

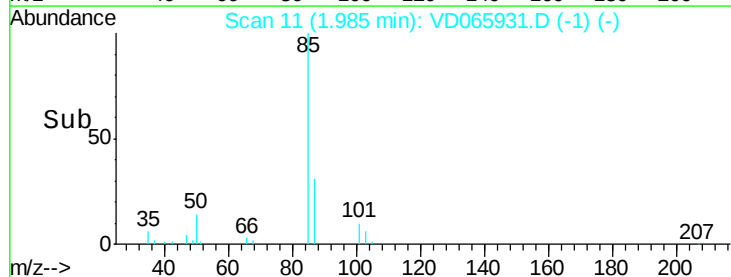
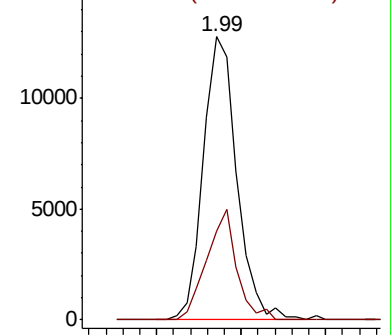
85 100

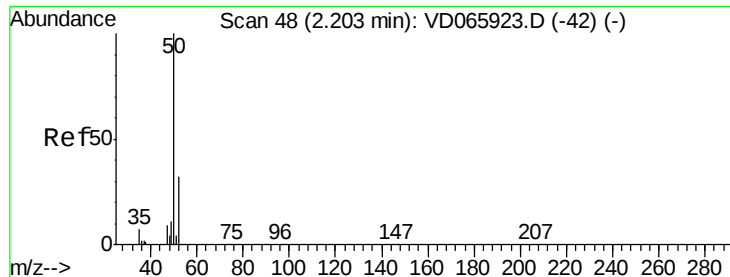
87 31.3 14.9 44.9



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 4.541 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

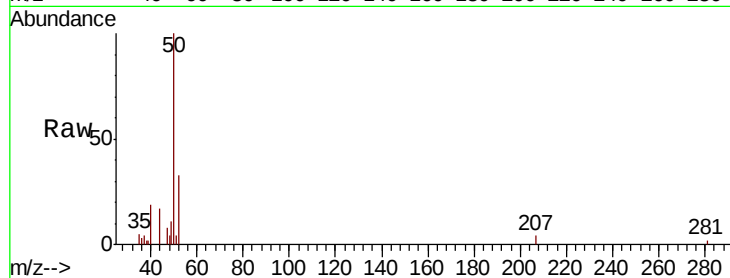
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 50 Resp: 16338

Ion Ratio Lower Upper

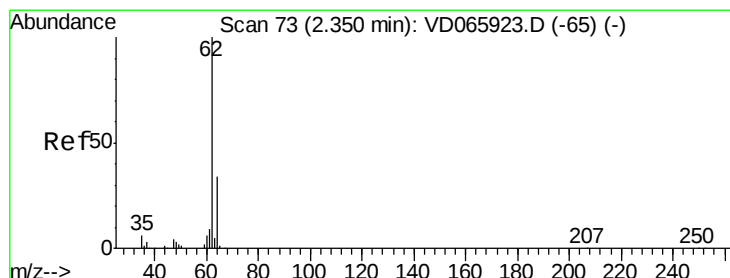
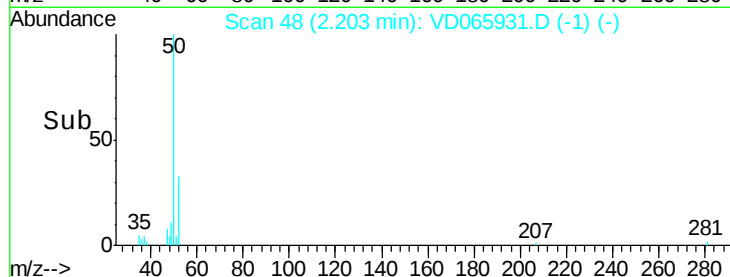
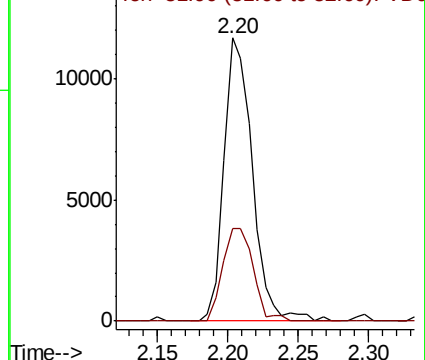
50 100

52 32.9 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 4.376 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065931.D

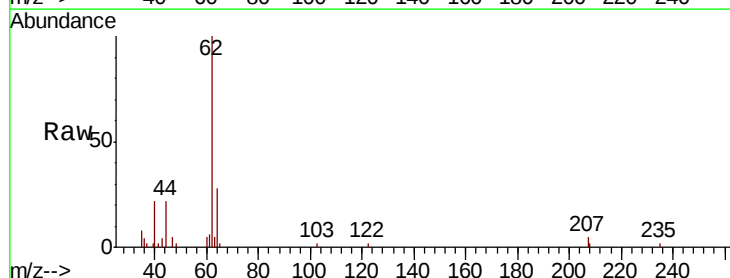
Acq: 07 Jul 2020 19:59

Tgt Ion: 62 Resp: 14455

Ion Ratio Lower Upper

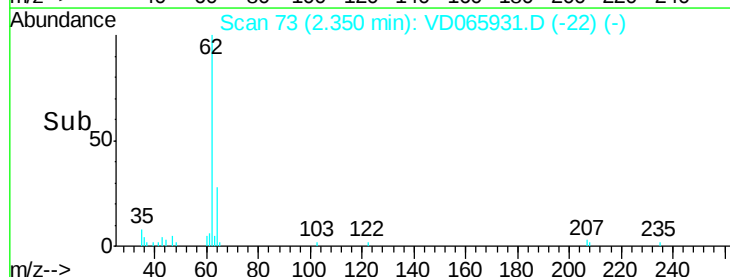
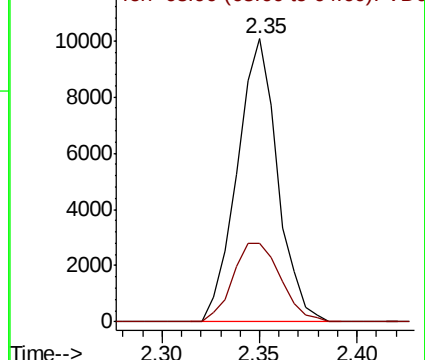
62 100

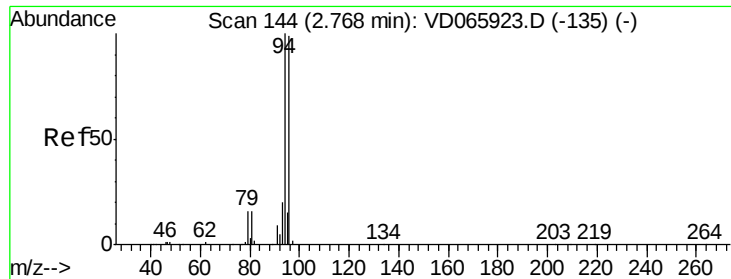
64 27.6 27.2 40.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 4.890 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

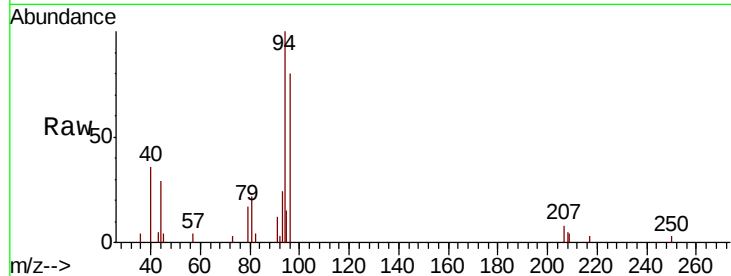
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 94 Resp: 10233

Ion Ratio Lower Upper

94 100

96 80.1 78.8 118.2

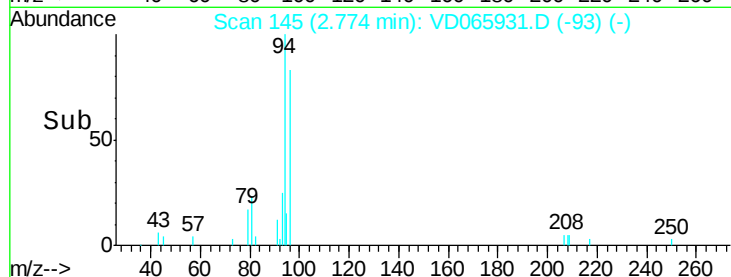


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

Time-->



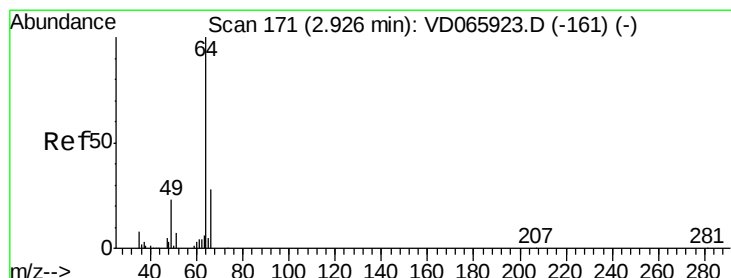
Abundance

Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

Time-->



#6

Chloroethane

Concen: 4.320 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065931.D

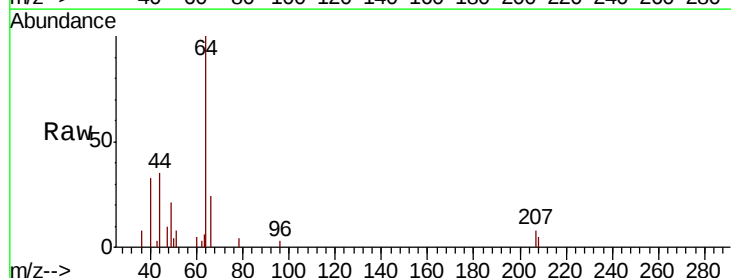
Acq: 07 Jul 2020 19:59

Tgt Ion: 64 Resp: 8530

Ion Ratio Lower Upper

64 100

66 24.4 22.6 33.8

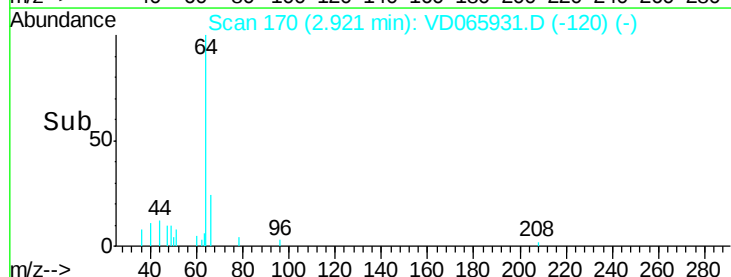


Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

Time-->



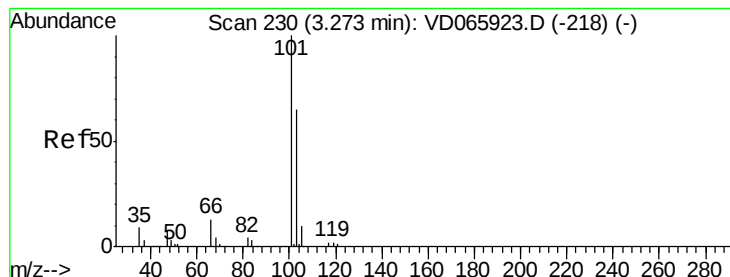
Abundance

Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

Time-->

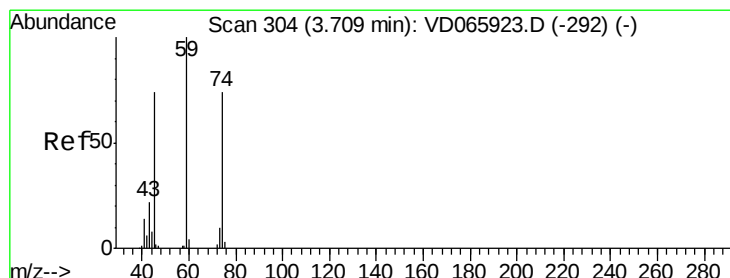
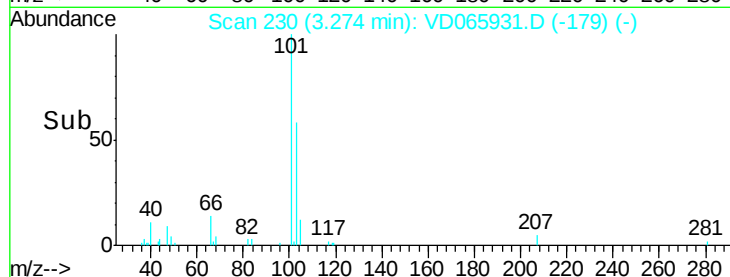
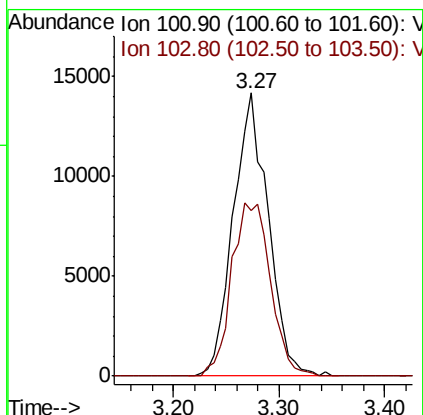
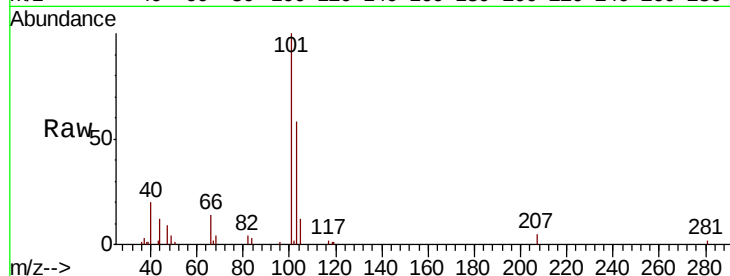


#7

Trichlorofluoromethane
Concen: 4.605 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065931.D
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Instrument :
MSVOA_D
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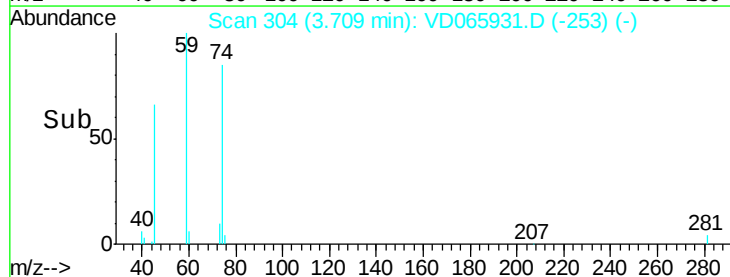
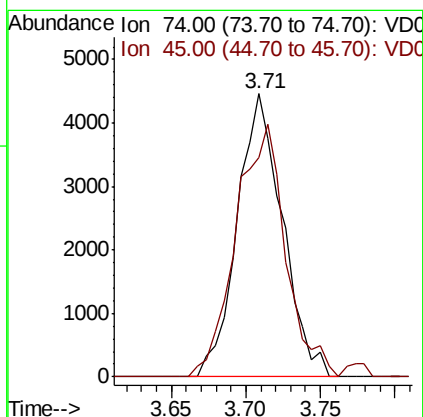
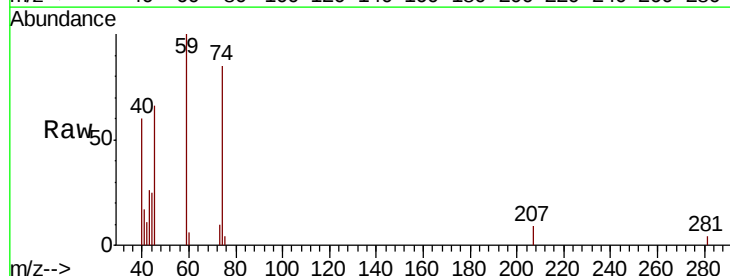
Tot Ion:101 Resp: 32602
Ion Ratio Lower Upper
101 100
103 58.3 51.7 77.5

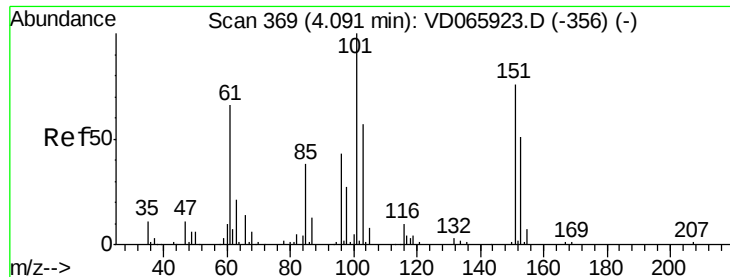


#8

Diethyl Ether
Concen: 4.813 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion: 74 Resp: 9348
Ion Ratio Lower Upper
74 100
45 98.1 51.1 153.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.479 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

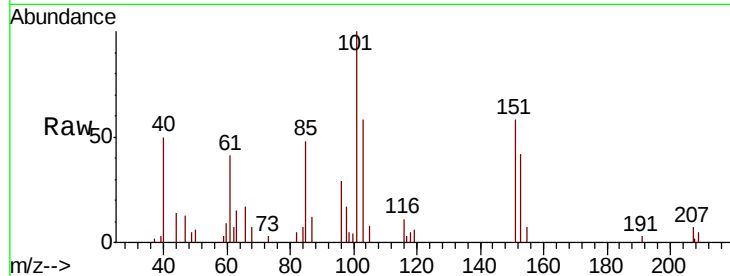
Tot Ion:101 Resp: 18967

Ion Ratio Lower Upper

101 100

85 41.9 33.8 50.8

151 77.8 64.1 96.1

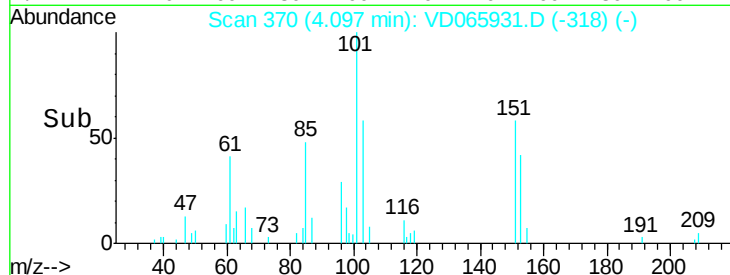


Abundance Ion 100.90 (100.60 to 101.60): V

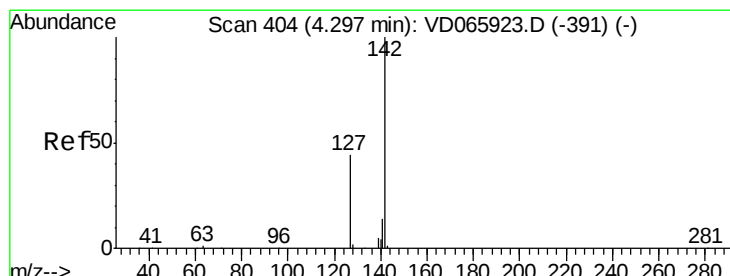
Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

Time-->



Time-->



#10

Methyl Iodide

Concen: 3.926 ug/l

RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

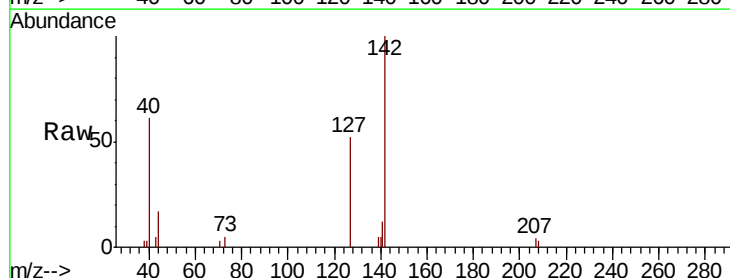
Tgt Ion:142 Resp: 15789

Ion Ratio Lower Upper

142 100

127 44.8 34.6 51.8

141 15.3 11.6 17.4

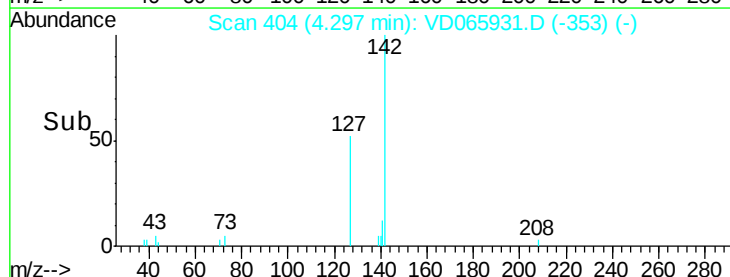


Abundance Ion 141.80 (141.50 to 142.50): V

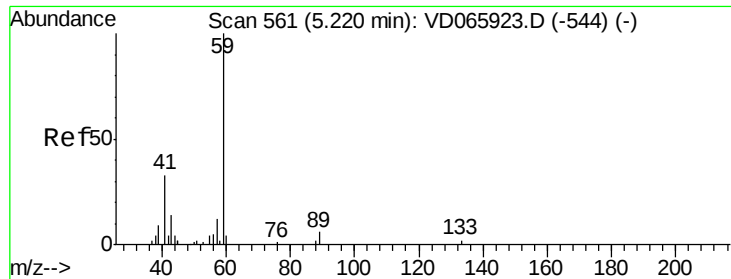
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time-->



Time-->

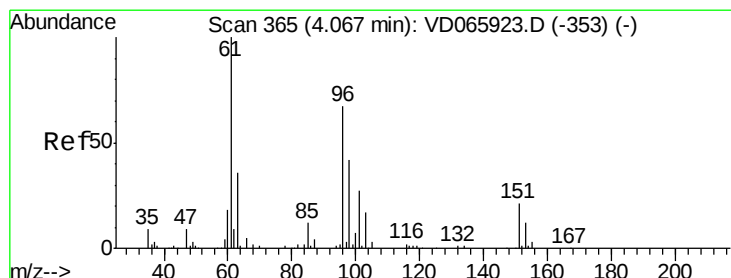
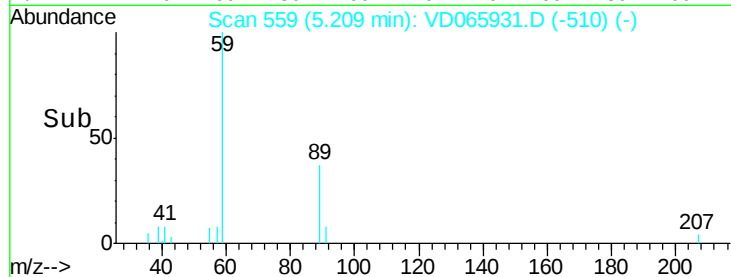
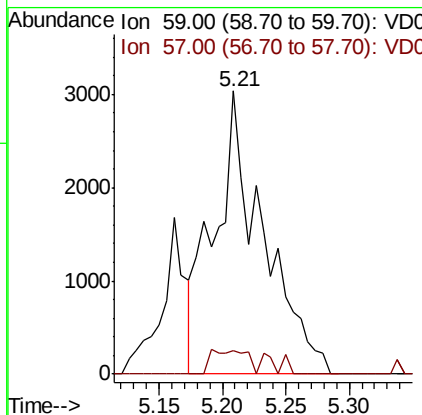
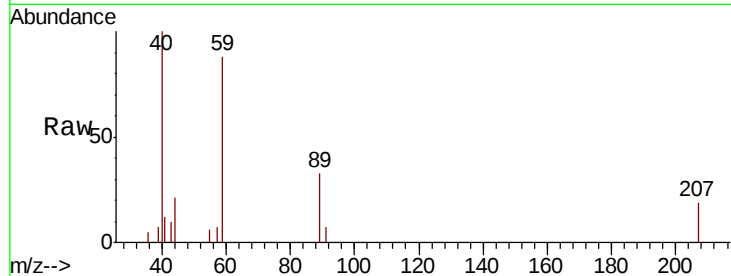


#11

Tert butyl alcohol
 Concen: 31.078 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

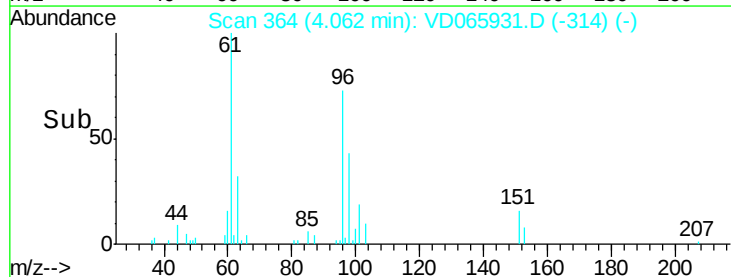
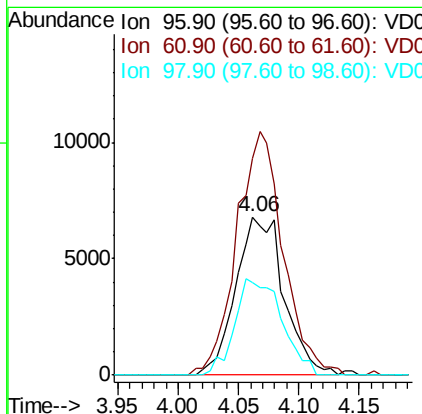
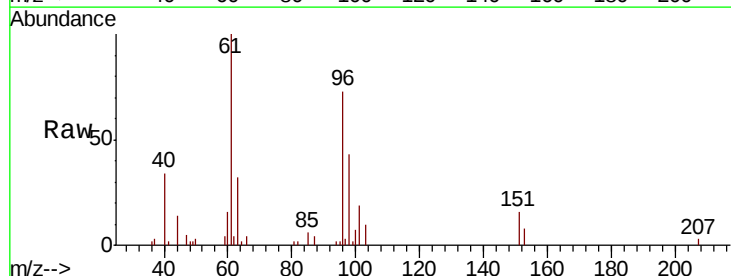
Tot Ion: 59 Resp: 8063
 Ion Ratio Lower Upper
 59 100
 57 3.1 8.7 13.1#

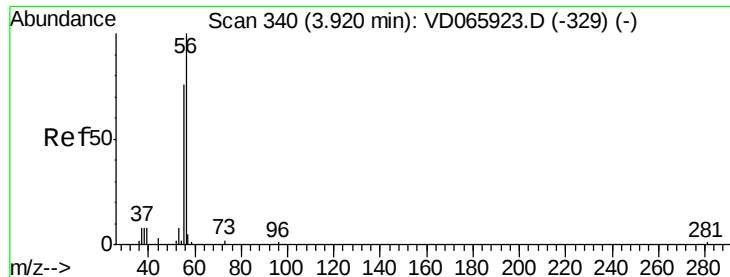


#12

1,1-Dichloroethene
 Concen: 4.772 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

Tgt Ion: 96 Resp: 18879
 Ion Ratio Lower Upper
 96 100
 61 136.9 120.2 180.2
 98 58.7 50.6 76.0





#13

Acrolein

Concen: 20.136 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

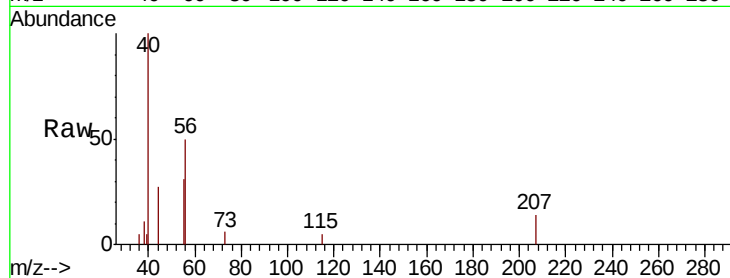
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 56 Resp: 4298

Ion Ratio Lower Upper

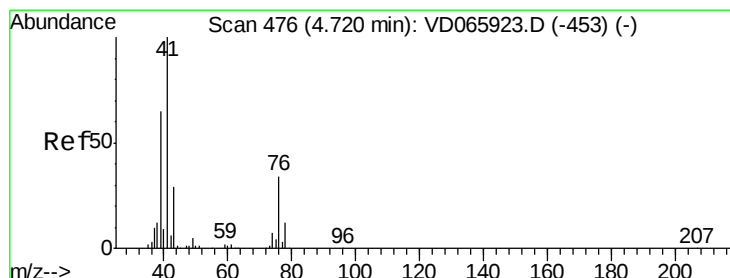
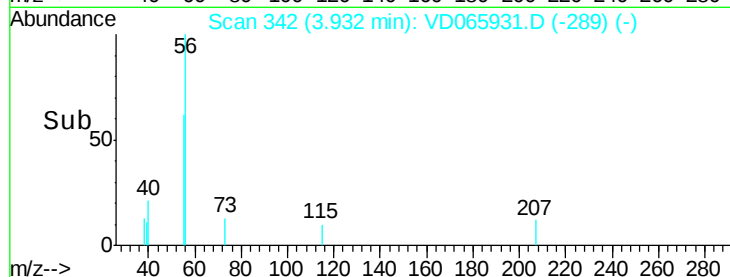
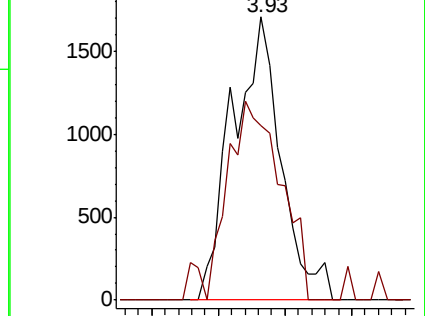
56 100

55 80.4 55.0 82.6



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.402 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

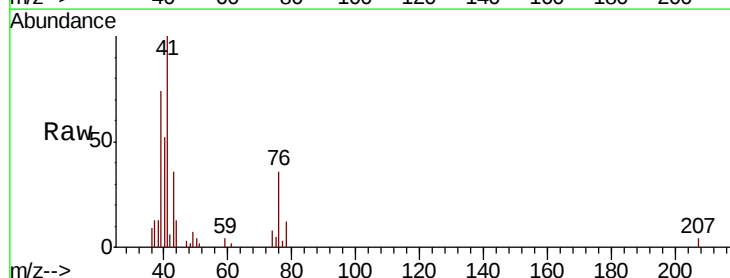
Tgt Ion: 41 Resp: 29513

Ion Ratio Lower Upper

41 100

39 69.8 52.2 78.4

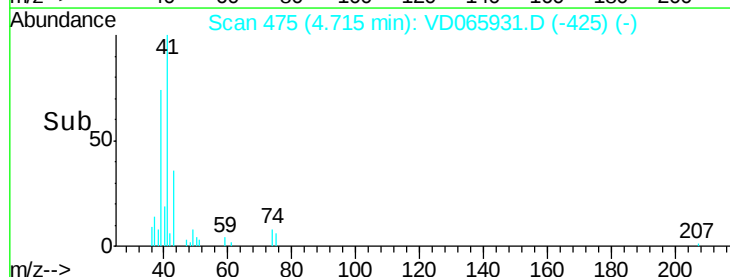
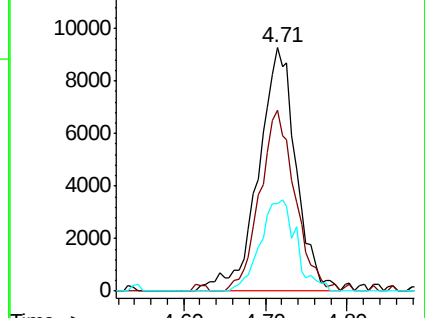
76 35.8 28.1 42.1

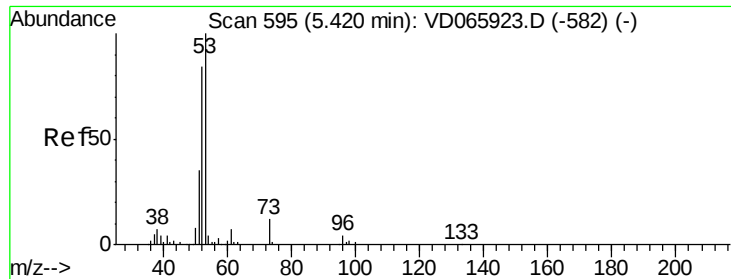


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 21.978 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

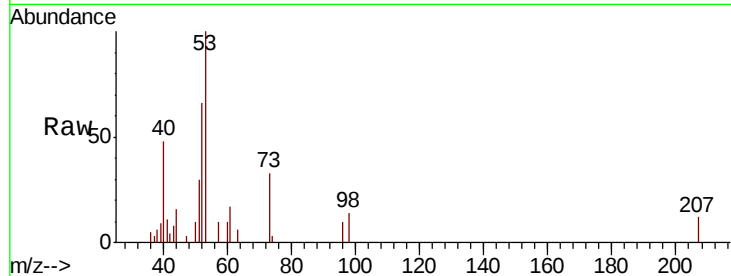
Tot Ion: 53 Resp: 18690

Ion Ratio Lower Upper

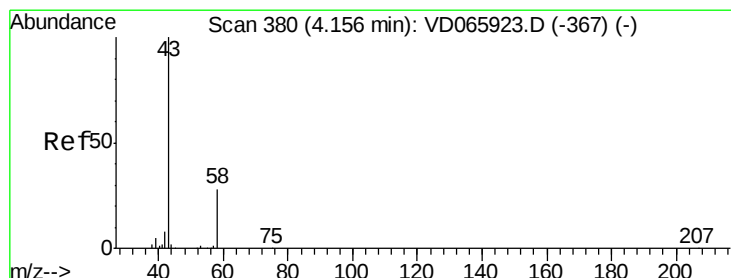
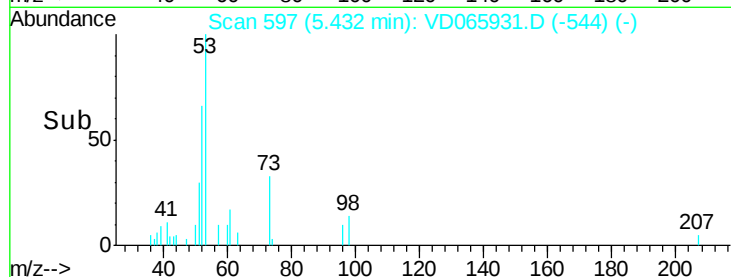
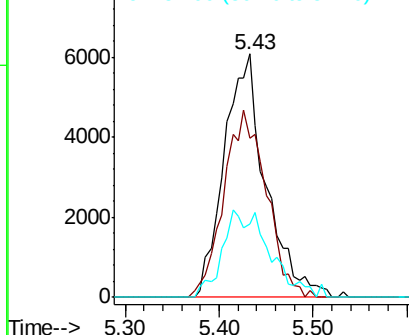
53 100

52 78.7 66.3 99.5

51 19.3 29.8 44.8#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 19.613 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD065931.D

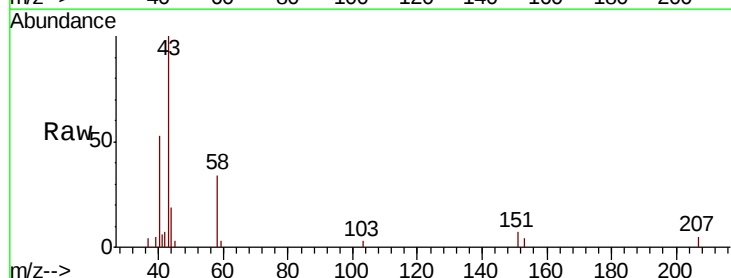
Acq: 07 Jul 2020 19:59

Tgt Ion: 43 Resp: 16629

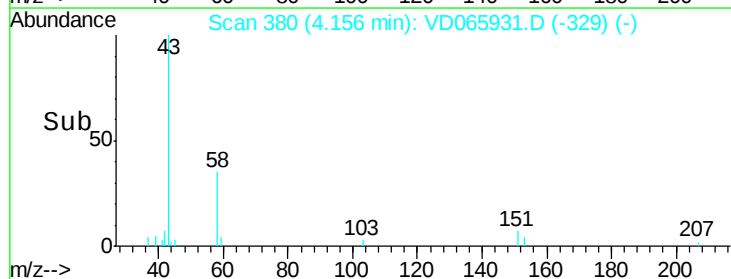
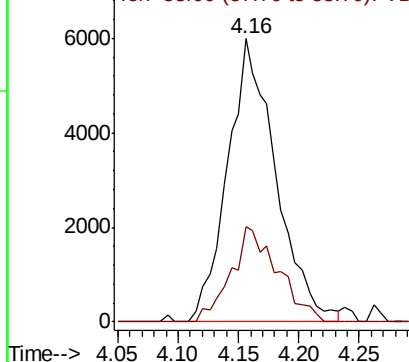
Ion Ratio Lower Upper

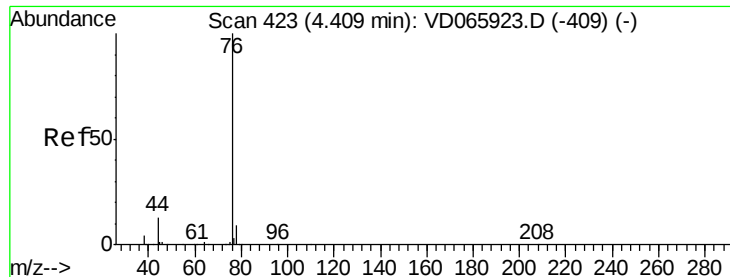
43 100

58 33.7 22.7 34.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 4.455 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

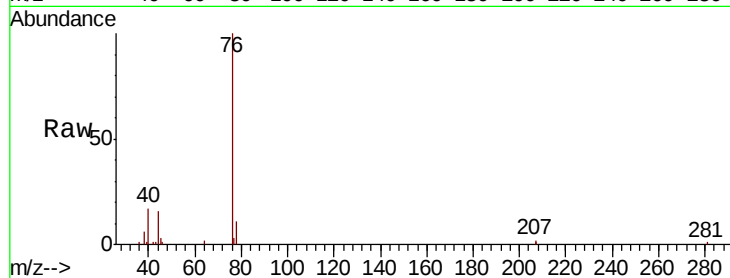
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 76 Resp: 56163

Ion Ratio Lower Upper

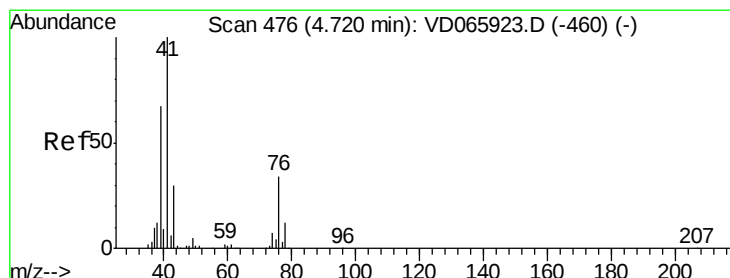
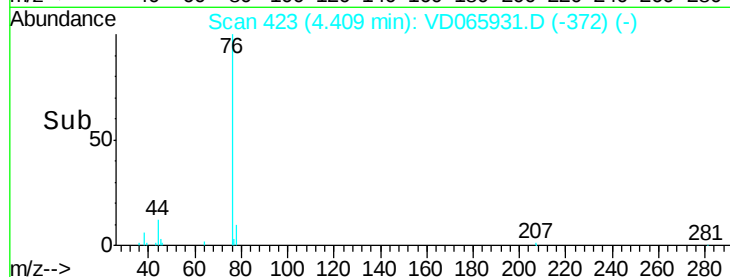
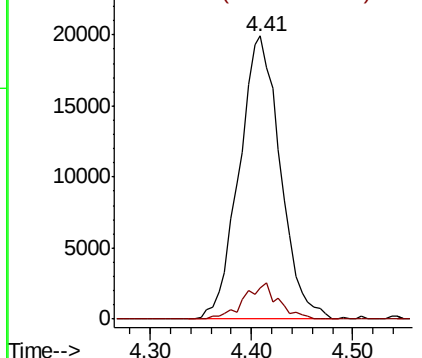
76 100

78 10.8 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 5.423 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD065931.D

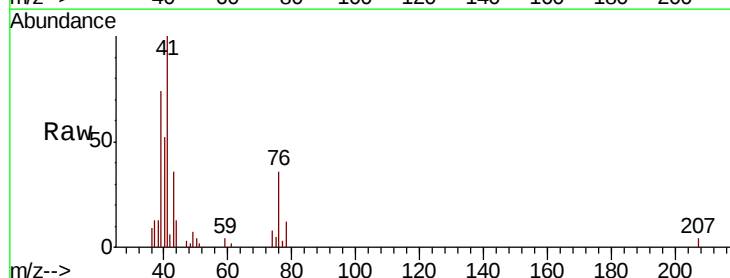
Acq: 07 Jul 2020 19:59

Tgt Ion: 43 Resp: 10779

Ion Ratio Lower Upper

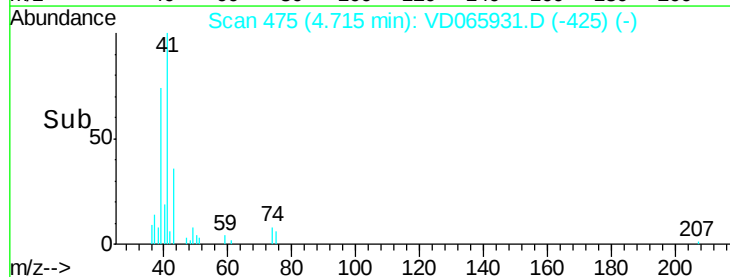
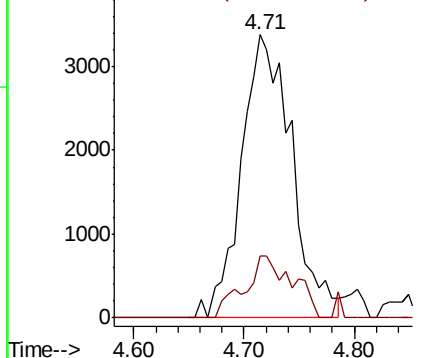
43 100

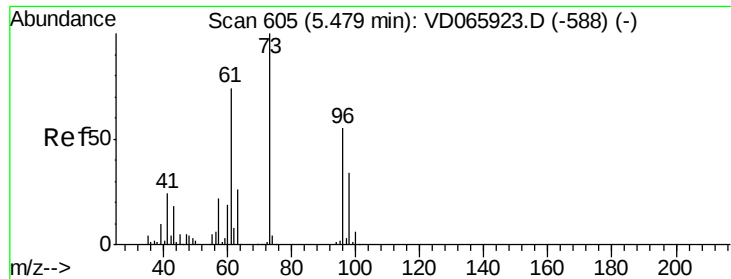
74 20.9 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

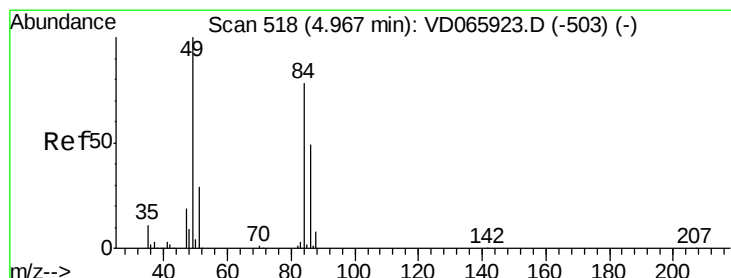
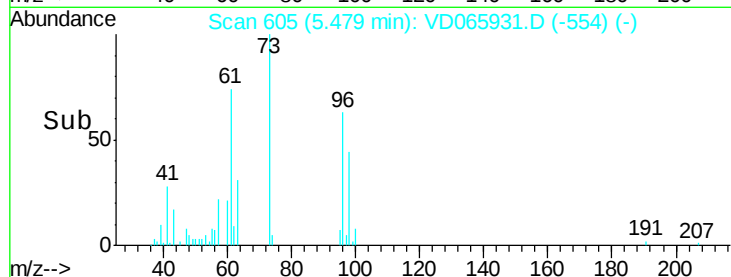
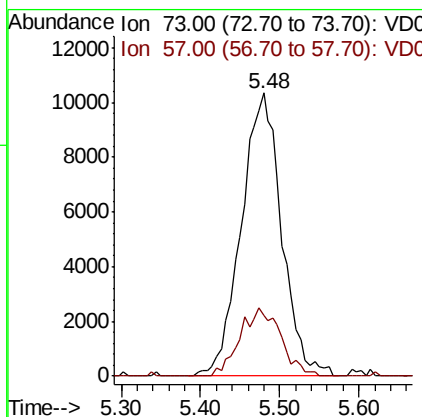
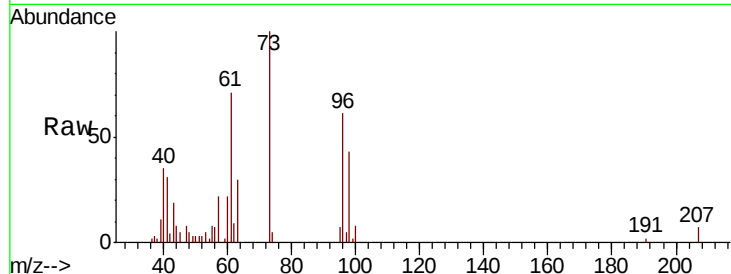




#19
Methvl tert-butvl Ether
Concen: 4.373 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

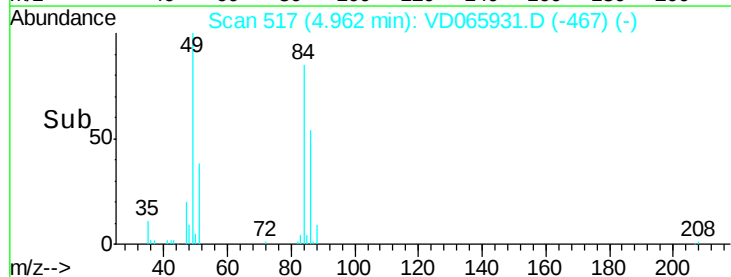
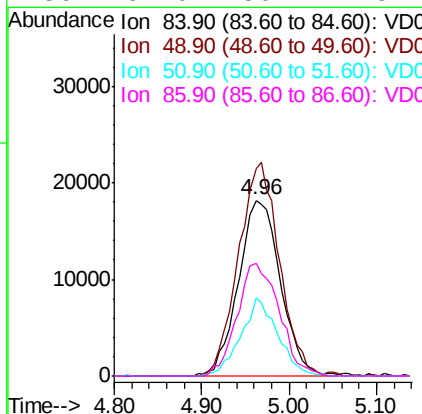
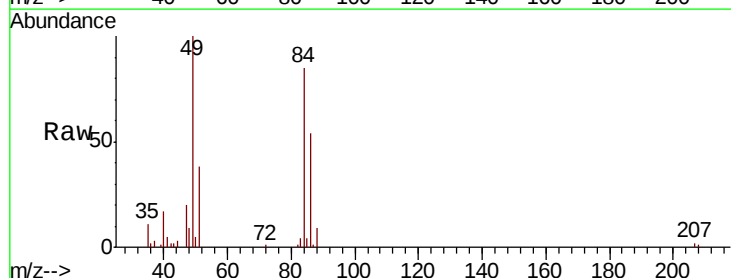
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

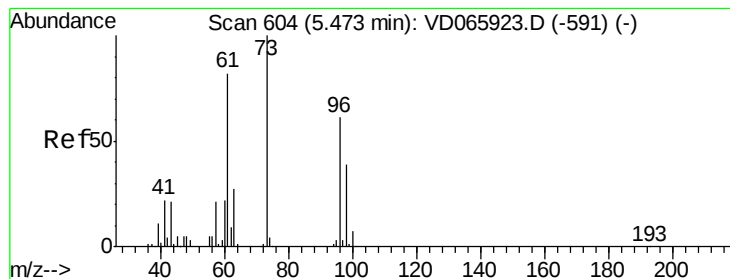
Tot Ion: 73 Resp: 36630
Ion Ratio Lower Upper
73 100
57 21.7 17.7 26.5



#20
Methylene Chloride
Concen: 9.868 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion: 84 Resp: 59433
Ion Ratio Lower Upper
84 100
49 118.1 102.2 153.2
51 44.4 29.8 44.6
86 64.0 50.2 75.2





#21

trans-1,2-Dichloroethene

Concen: 4.565 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

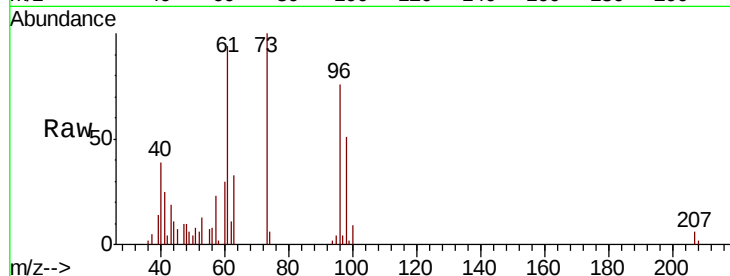
Tot Ion: 96 Resp: 20321

Ion Ratio Lower Upper

96 100

61 122.6 106.6 160.0

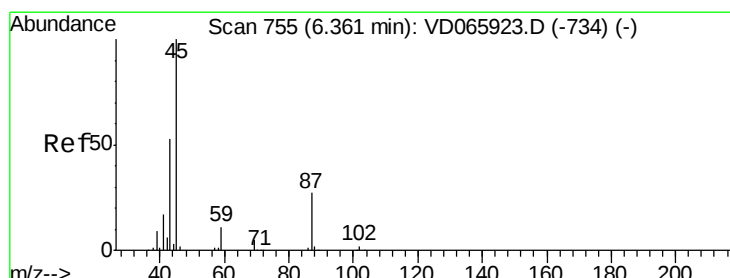
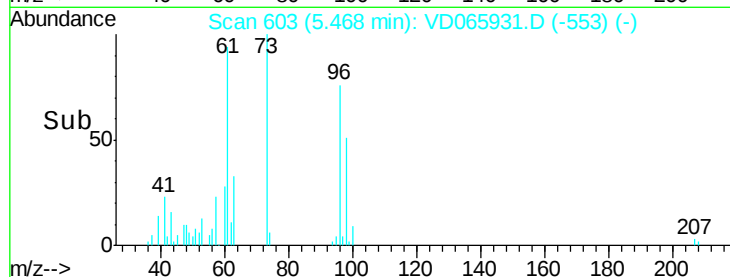
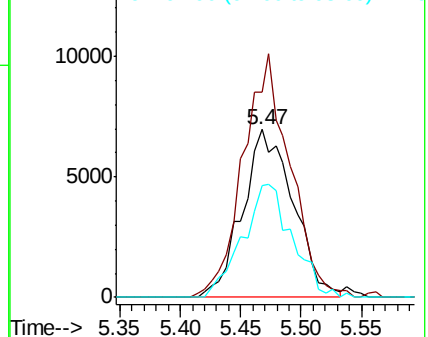
98 66.7 51.0 76.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 4.416 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Tgt Ion: 45 Resp: 55641

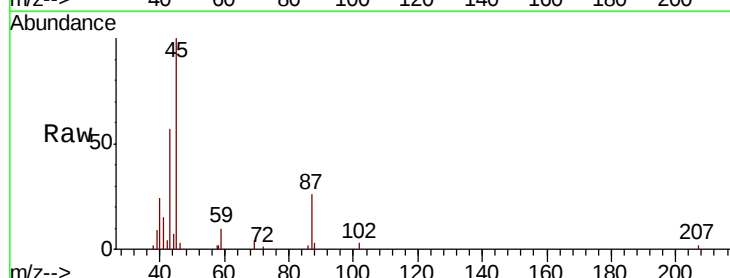
Ion Ratio Lower Upper

45 100

43 55.5 42.5 63.7

87 25.5 22.2 33.2

59 9.6 8.9 13.3

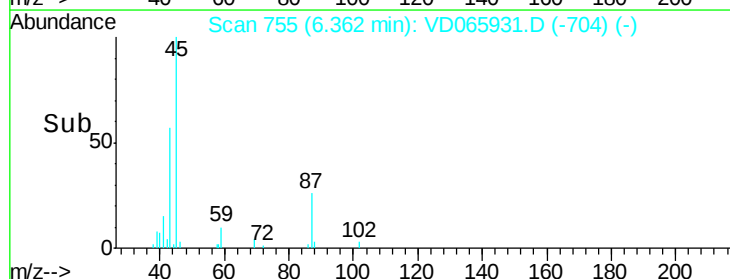
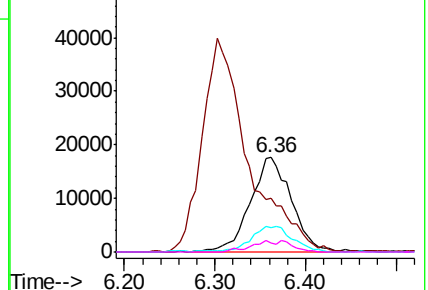


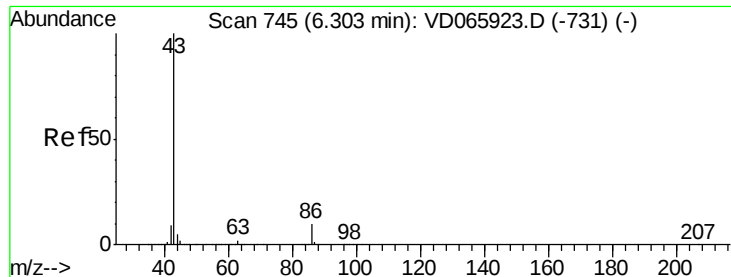
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 19.723 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

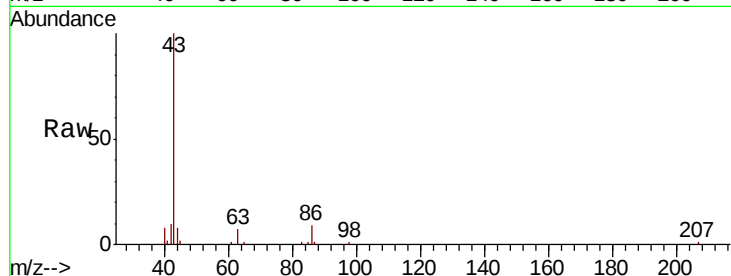
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 141843

Ion Ratio Lower Upper

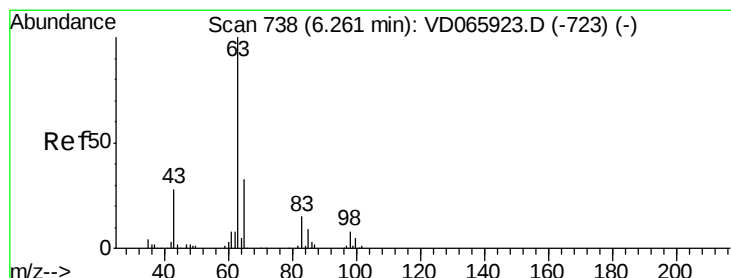
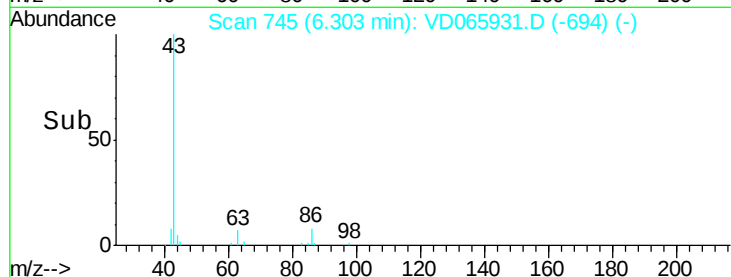
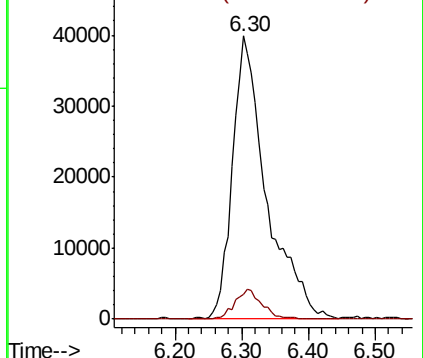
43 100

86 8.7 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.459 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

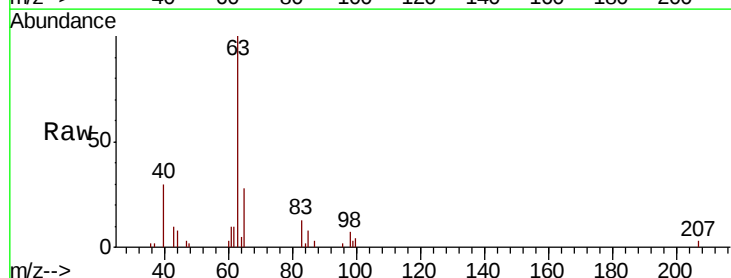
Tgt Ion: 63 Resp: 33497

Ion Ratio Lower Upper

63 100

98 7.4 3.8 11.4

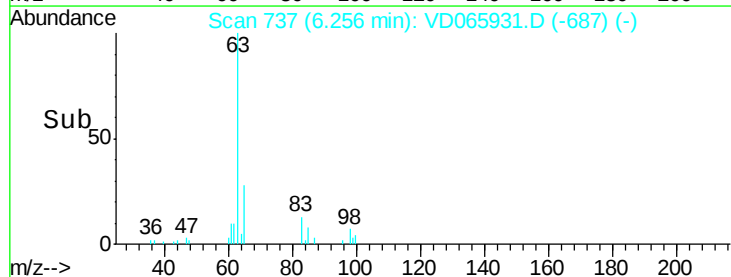
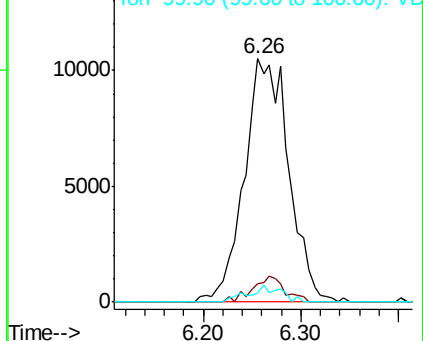
100 4.0 2.5 7.5

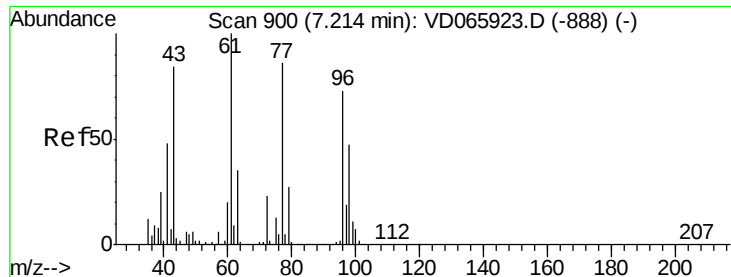


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 23.016 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

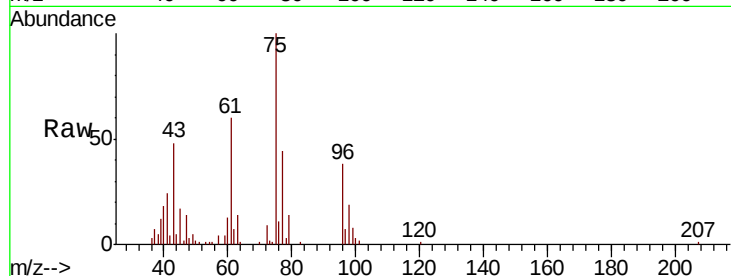
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 25787

Ion Ratio Lower Upper

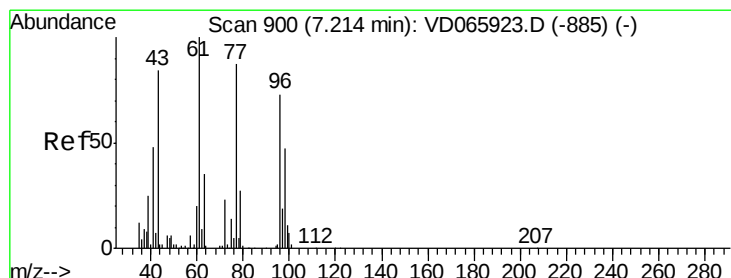
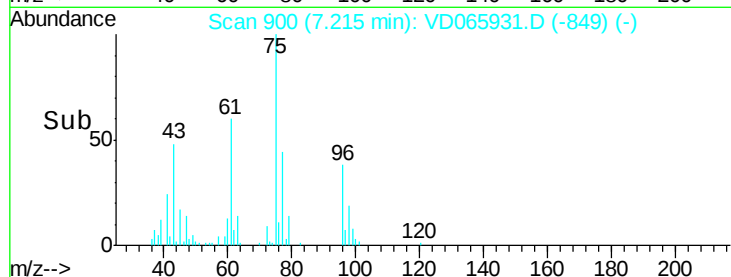
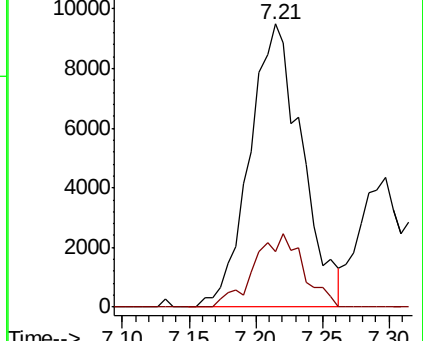
43 100

72 19.8 22.1 33.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 4.380 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065931.D

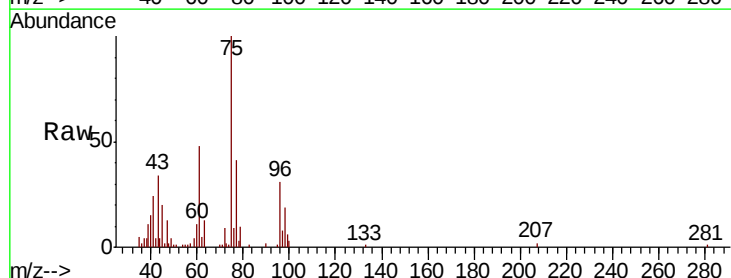
Acq: 07 Jul 2020 19:59

Tgt Ion: 77 Resp: 28790

Ion Ratio Lower Upper

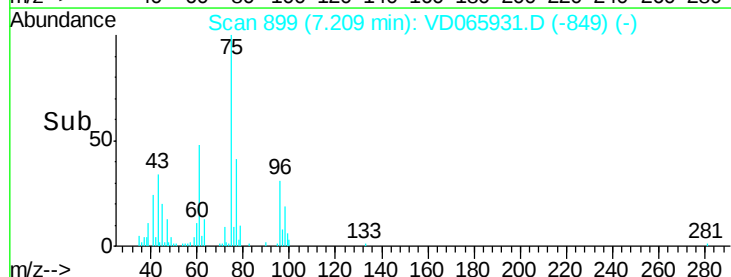
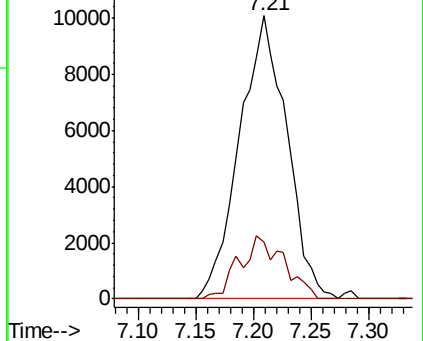
77 100

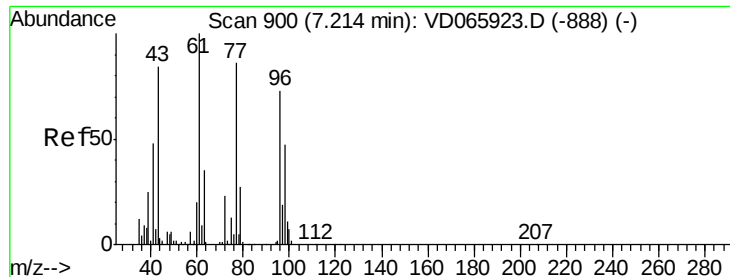
97 20.9 11.6 34.8



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

cis-1,2-Dichloroethene

Concen: 4.526 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

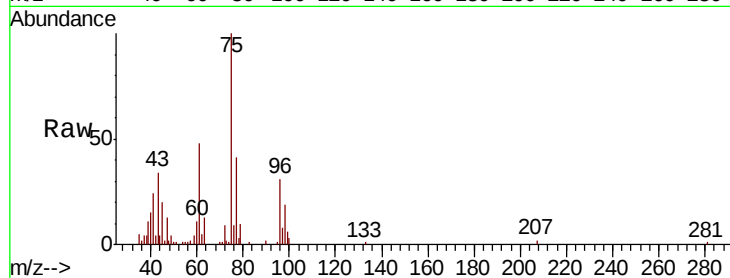
Tot Ion: 96 Resp: 21646

Ion Ratio Lower Upper

96 100

61 155.5 0.0 286.6

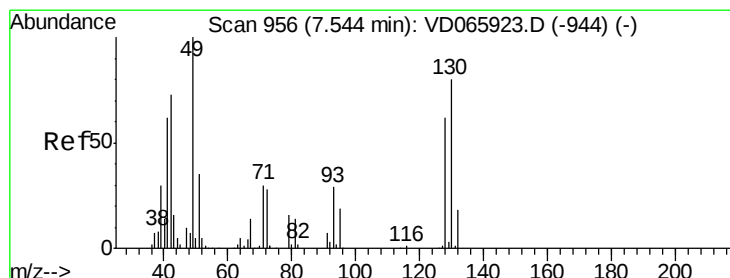
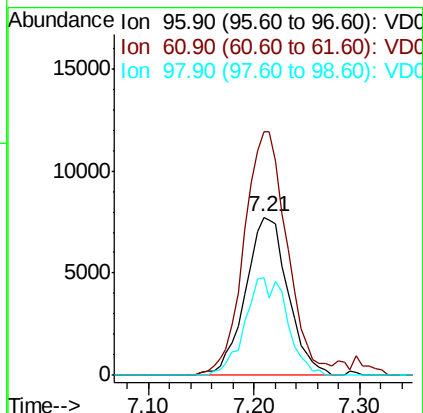
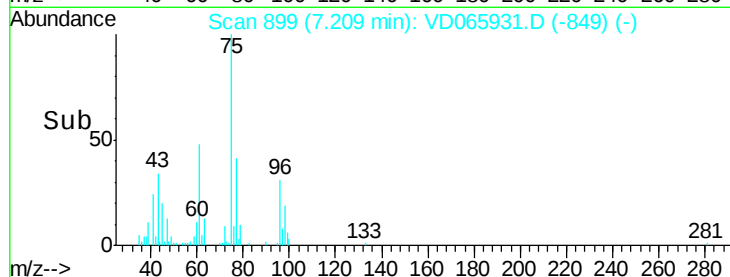
98 61.0 0.0 128.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 4.339 ug/l

RT: 7.54 min Scan# 955

Delta R.T. -0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

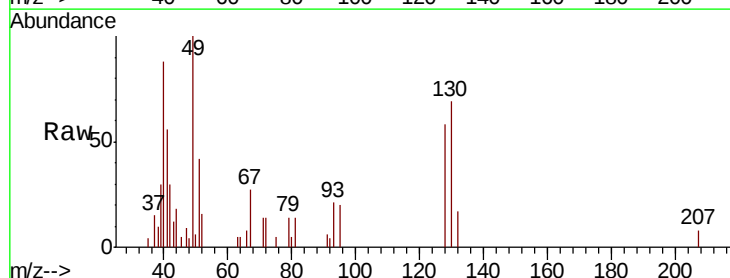
Tgt Ion: 49 Resp: 12314

Ion Ratio Lower Upper

49 100

129 0.6 0.0 4.8

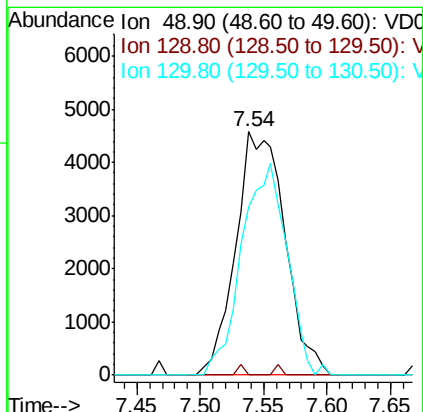
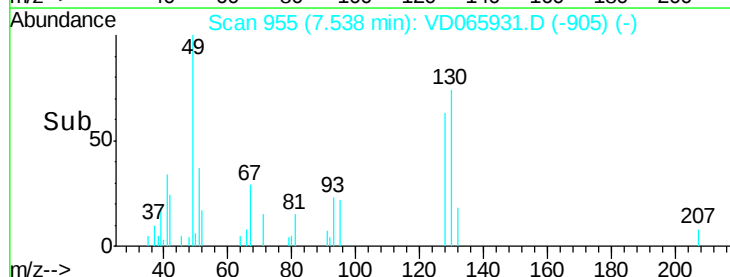
130 0.0 65.8 98.8#

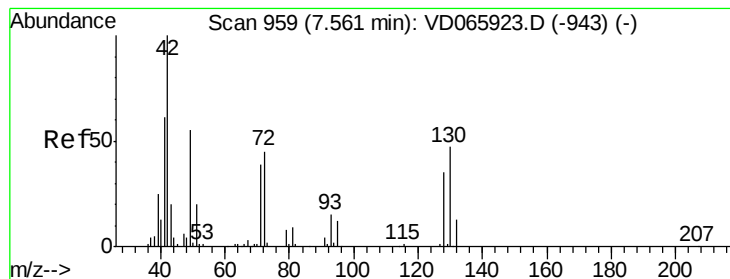


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 20.830 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

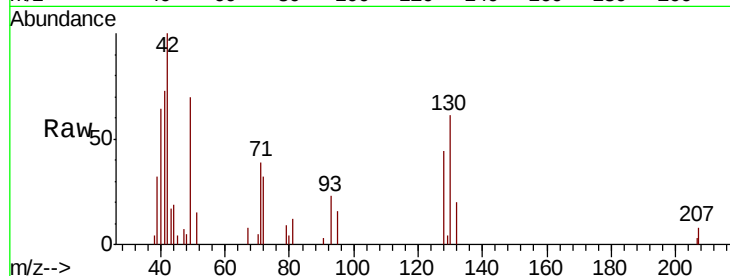
Tot Ion: 42 Resp: 14840

Ion Ratio Lower Upper

42 100

72 37.3 32.8 49.2

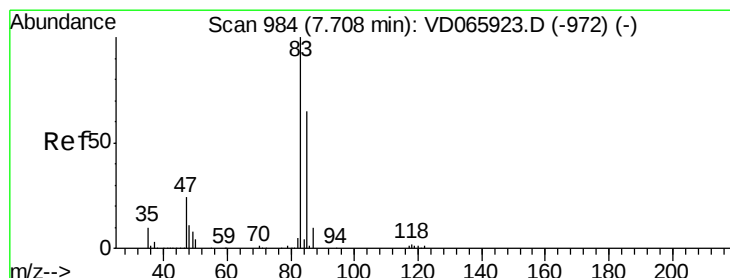
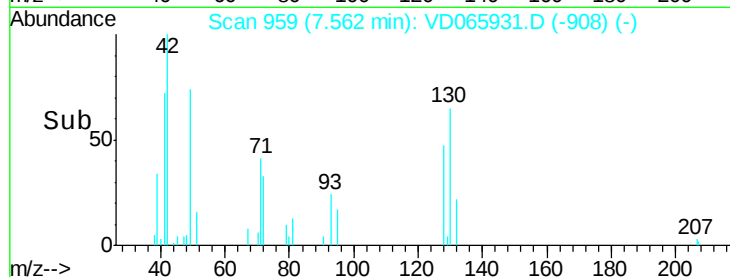
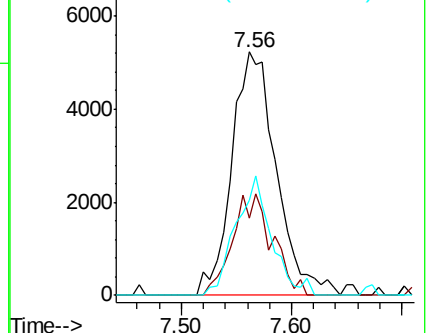
71 39.3 31.0 46.4



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 4.575 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.00 min

Lab File: VD065931.D

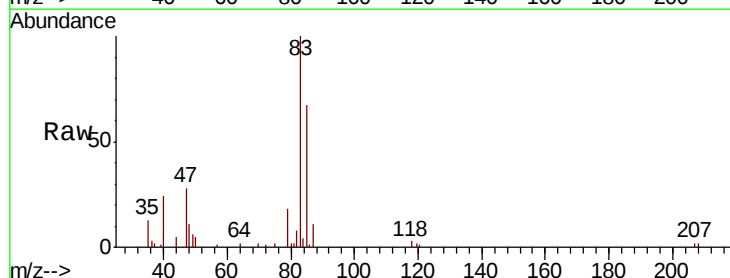
Acq: 07 Jul 2020 19:59

Tgt Ion: 83 Resp: 34848

Ion Ratio Lower Upper

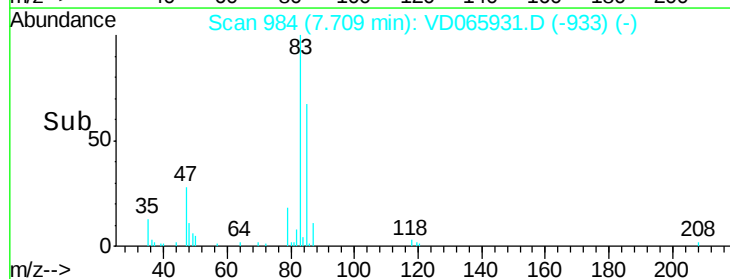
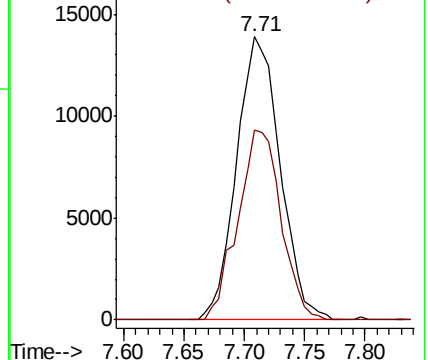
83 100

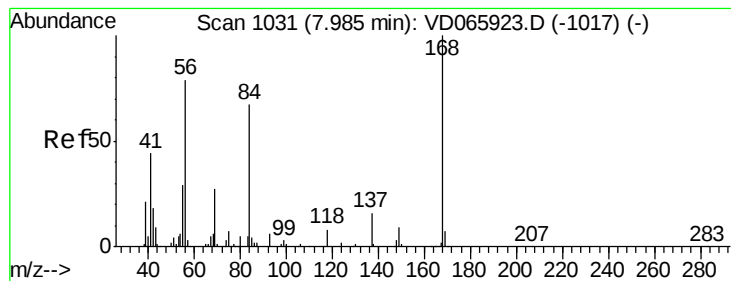
85 67.3 51.6 77.4



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 5.034 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

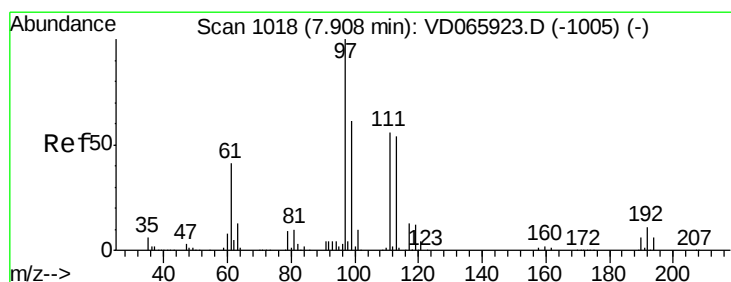
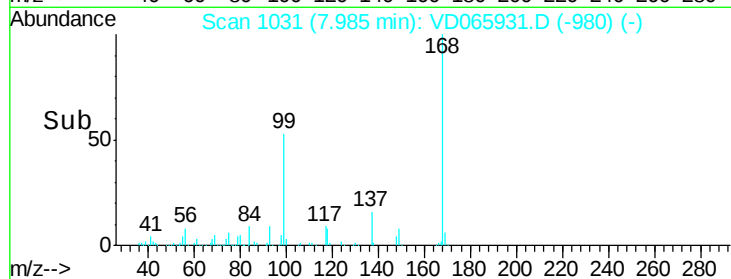
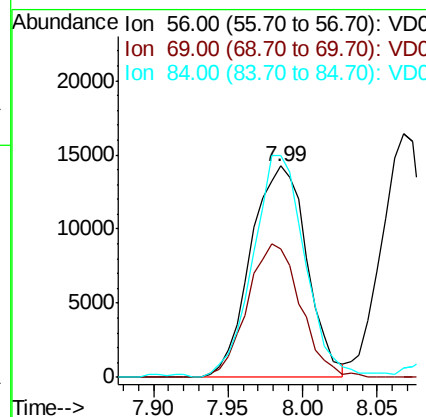
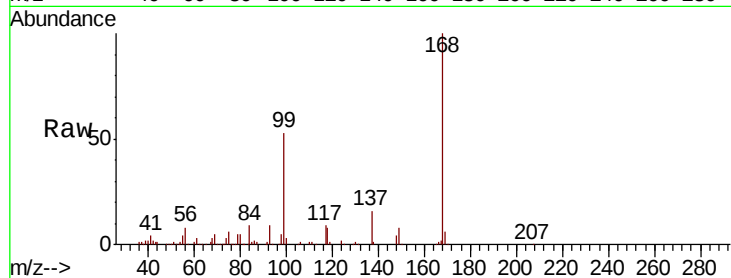
Tot Ion: 56 Resp: 37211

Ion Ratio Lower Upper

56 100

69 60.8 27.4 41.0#

84 104.9 68.6 102.8#



#32

1,1,1-Trichloroethane

Concen: 4.611 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

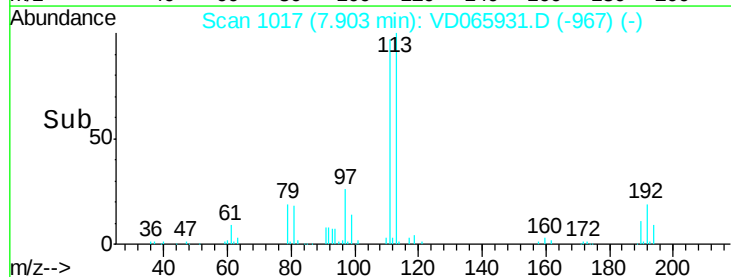
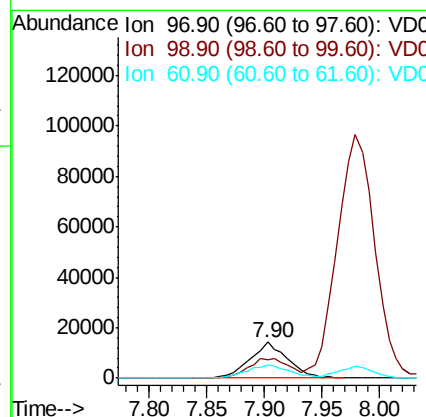
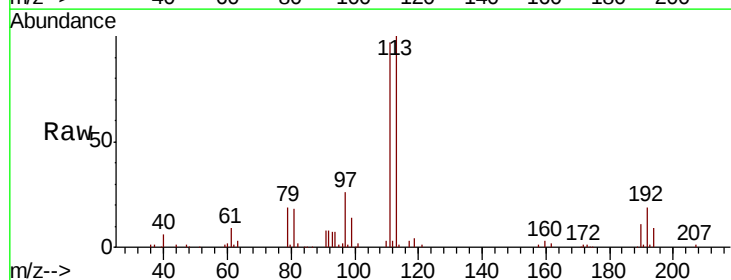
Tgt Ion: 97 Resp: 32047

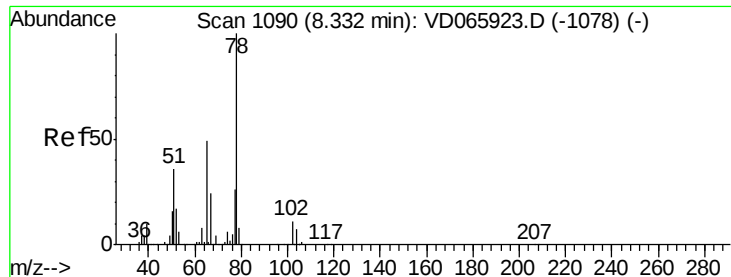
Ion Ratio Lower Upper

97 100

99 59.5 51.6 77.4

61 41.5 33.6 50.4

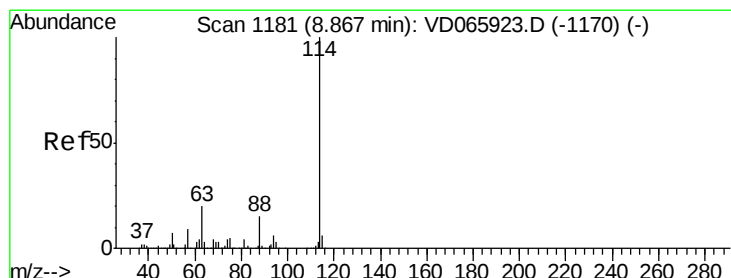
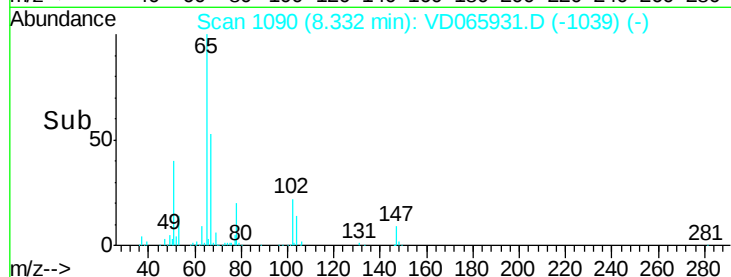
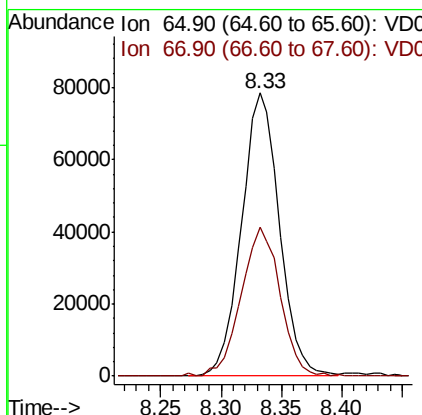
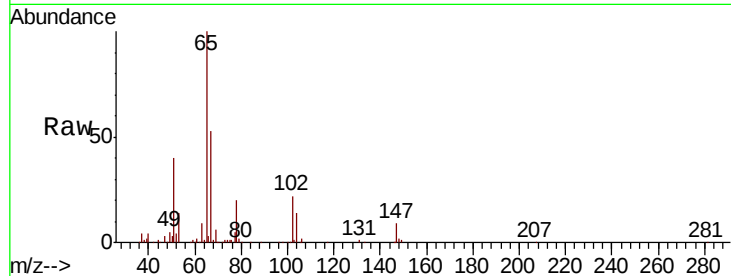




#33
 1,2-Dichloroethane-d4
 Concen: 47.484 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

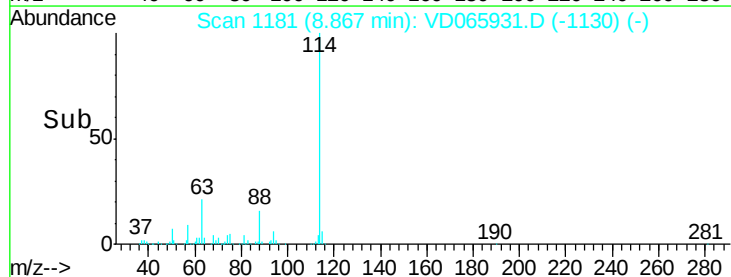
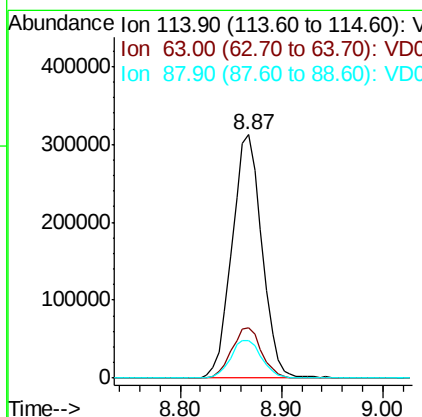
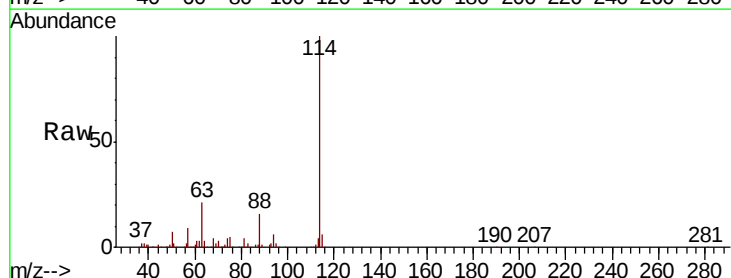
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

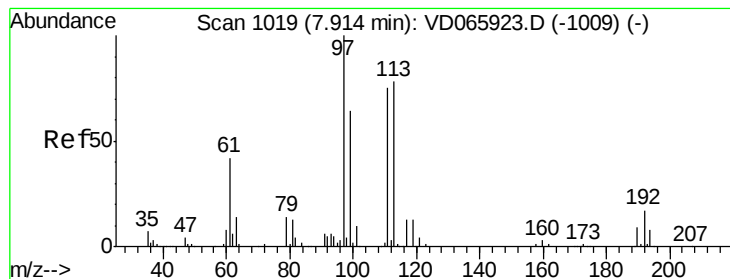
Tot Ion: 65 Resp: 171789
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 105.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

Tgt Ion: 114 Resp: 641970
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 39.2
 88 15.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 46.530 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

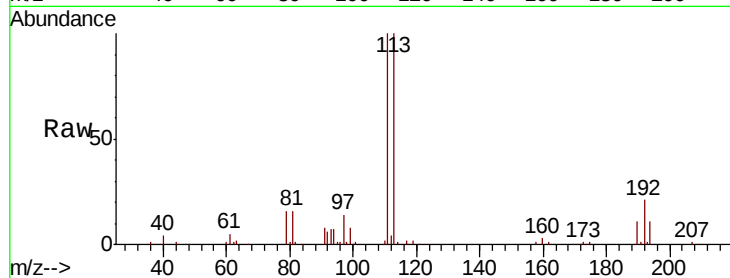
Tot Ion:113 Resp: 184270

Ion Ratio Lower Upper

113 100

111 102.1 80.9 121.3

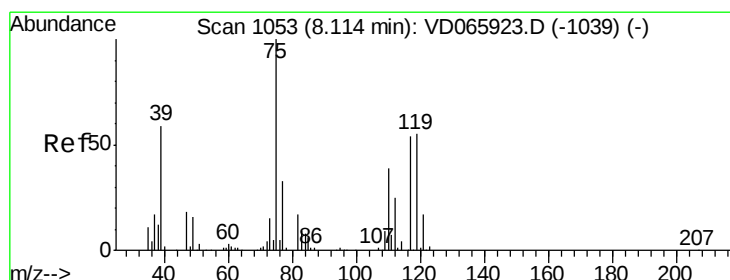
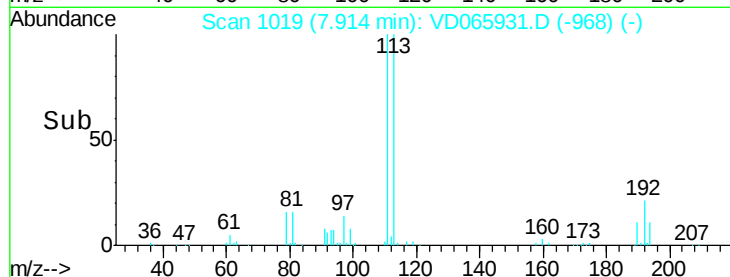
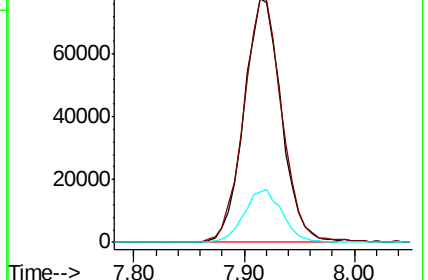
192 22.2 17.1 25.7



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: 4.334 ug/l

RT: 8.11 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

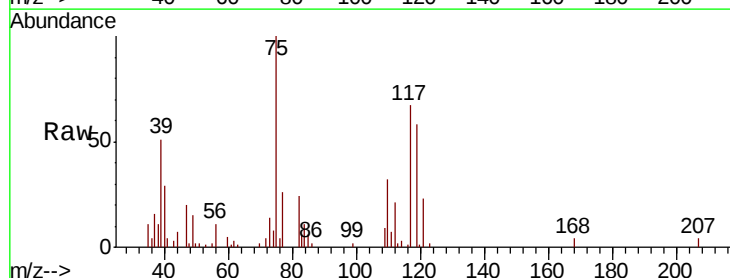
Tgt Ion: 75 Resp: 27477

Ion Ratio Lower Upper

75 100

110 36.1 18.5 55.5

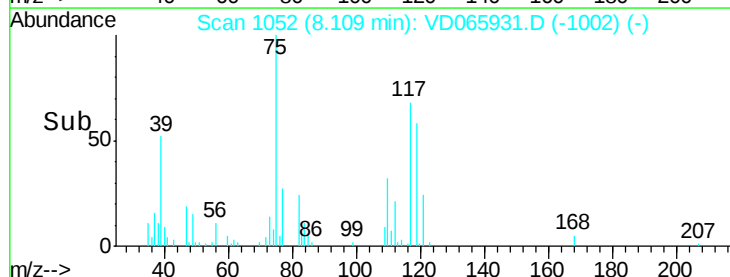
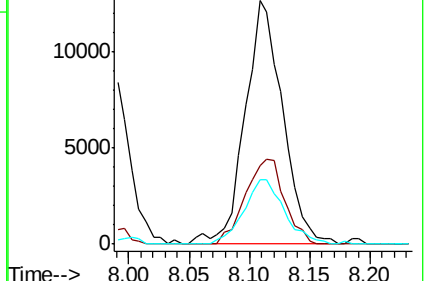
77 28.5 25.6 38.4

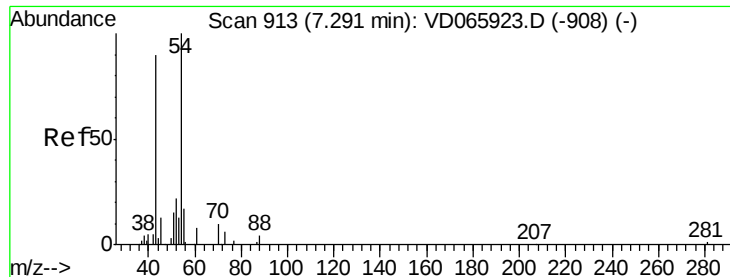


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

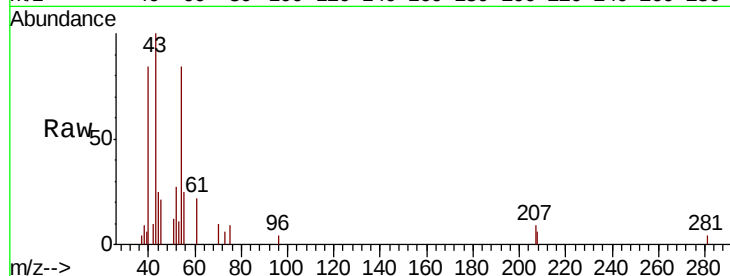




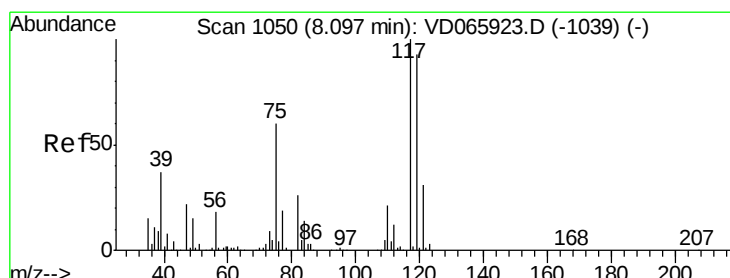
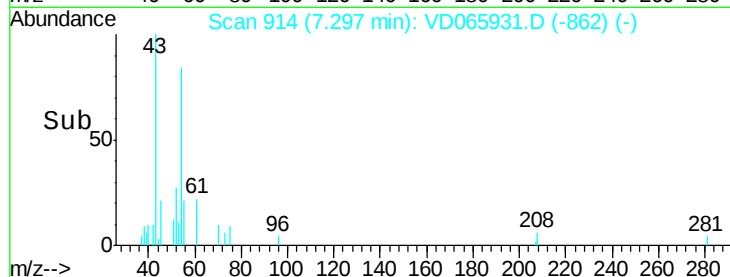
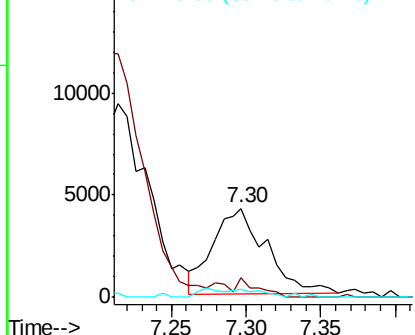
#37
Ethyl Acetate
Concen: 3.926 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 10431
Ion Ratio Lower Upper
43 100
61 0.0 9.4 14.0#
70 0.0 8.3 12.5#

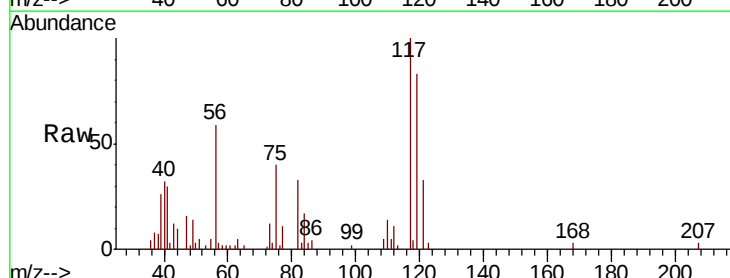


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

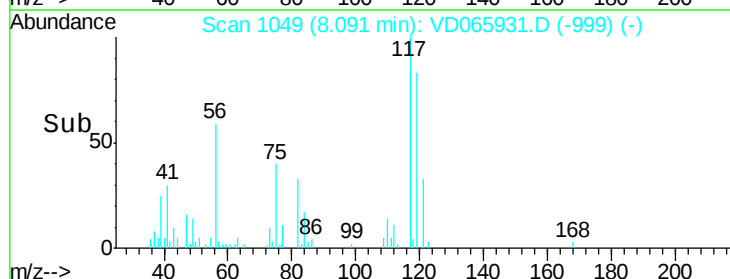
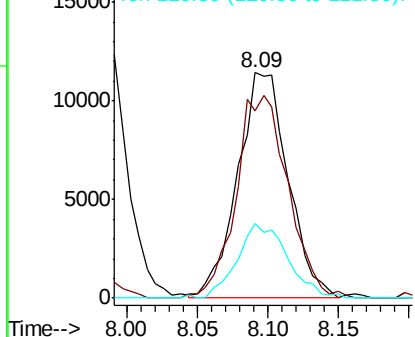


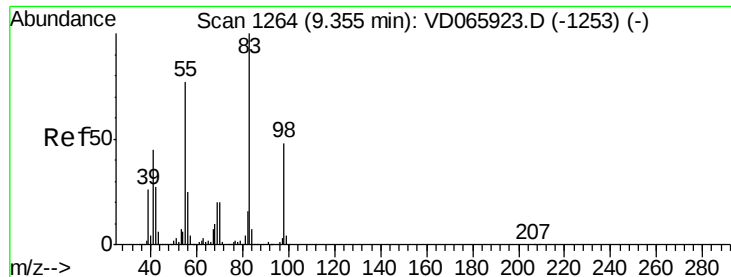
#38
Carbon Tetrachloride
Concen: 4.225 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion: 117 Resp: 28711
Ion Ratio Lower Upper
117 100
119 80.8 74.7 112.1
121 31.5 24.9 37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

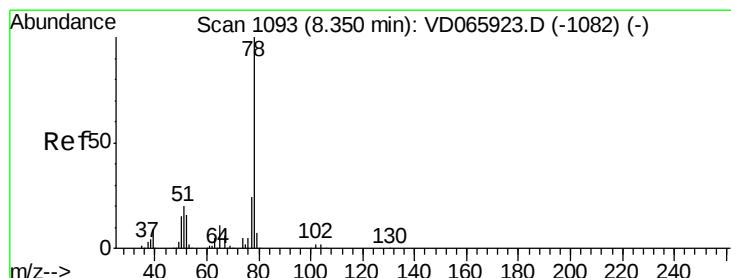
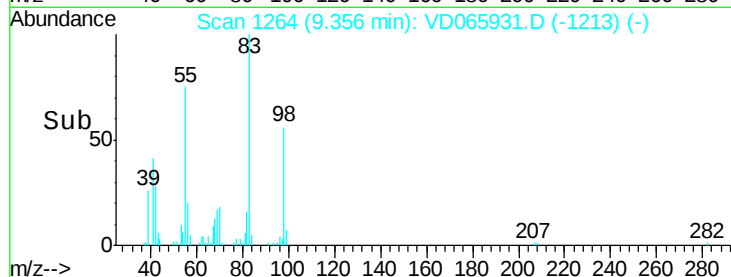
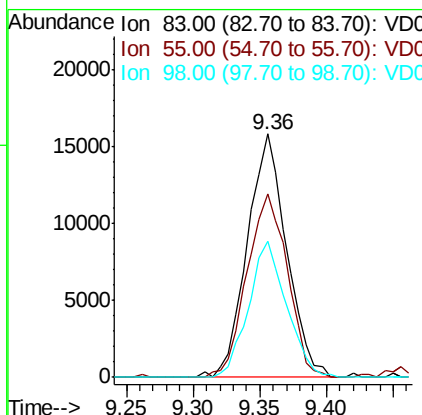
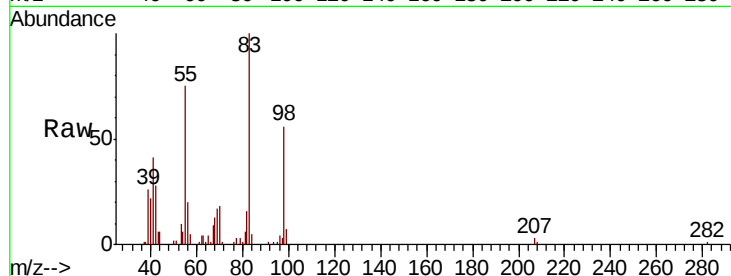




#39
Methvlcvclohexane
Concen: 4.119 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

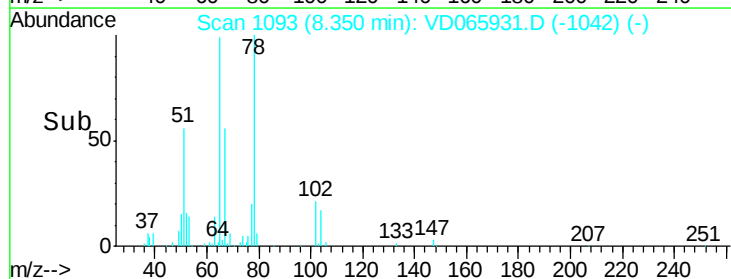
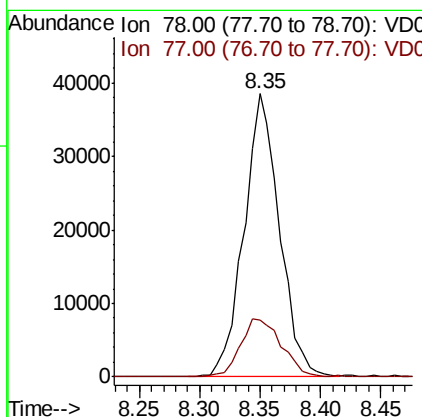
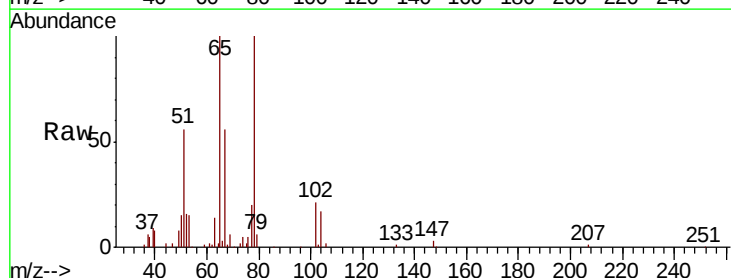
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

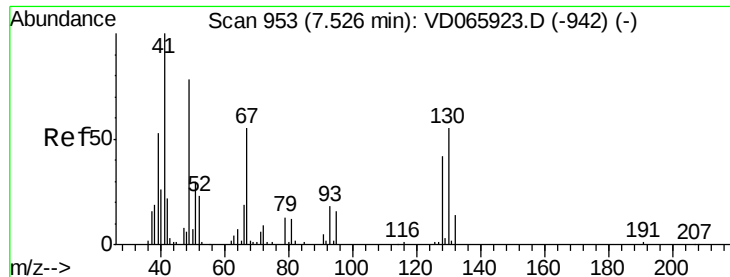
Tot Ion: 83 Resp: 32065
Ion Ratio Lower Upper
83 100
55 75.4 61.7 92.5
98 55.8 38.6 58.0



#40
Benzene
Concen: 4.498 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion: 78 Resp: 78783
Ion Ratio Lower Upper
78 100
77 20.2 19.4 29.0

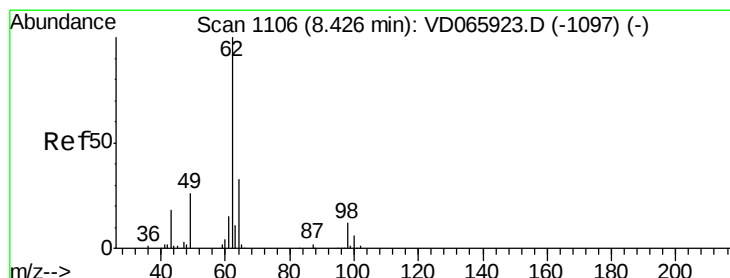
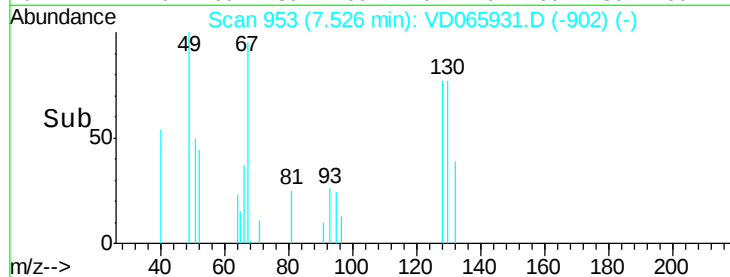
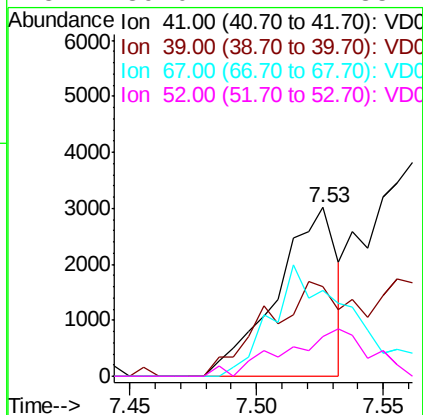
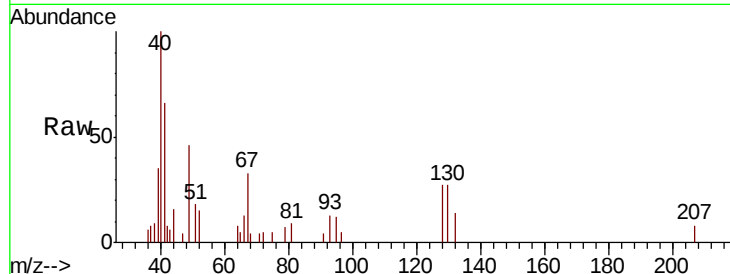




#41
Methacrylonitrile
Concen: 3.239 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

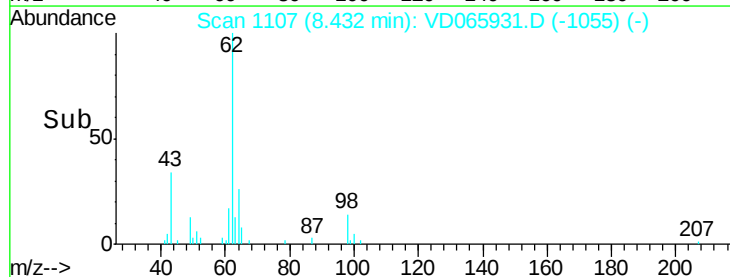
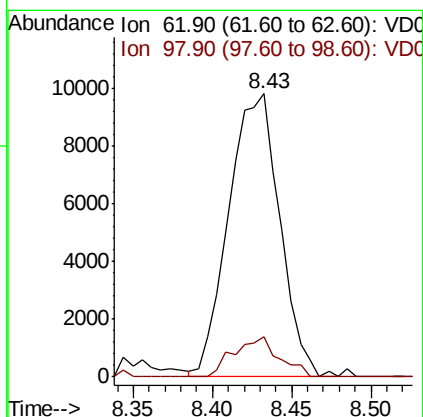
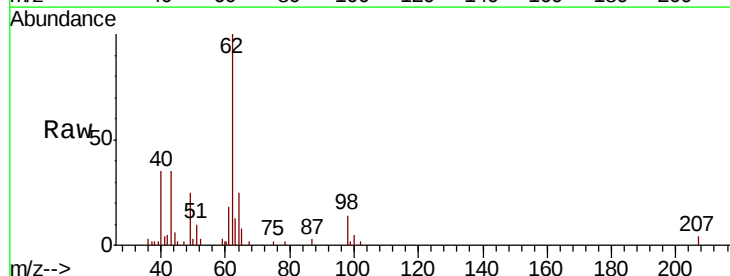
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

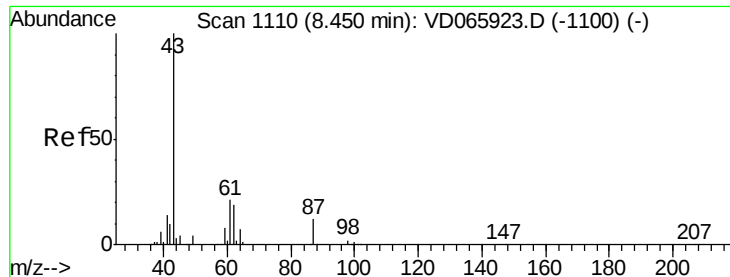
Tot Ion: 41 Resp: 4996
Ion Ratio Lower Upper
41 100
39 81.9 42.4 63.6#
67 85.8 53.6 80.4#
52 39.0 22.2 33.2#



#42
1,2-Dichloroethane
Concen: 4.427 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion: 62 Resp: 21969
Ion Ratio Lower Upper
62 100
98 12.3 0.0 20.0





#43

Isopropyl Acetate

Concen: 4.379 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

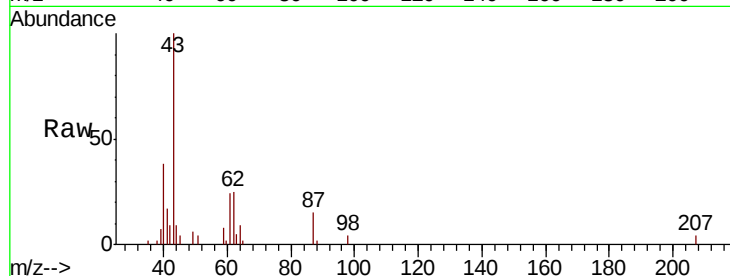
Tot Ion: 43 Resp: 21652

Ion Ratio Lower Upper

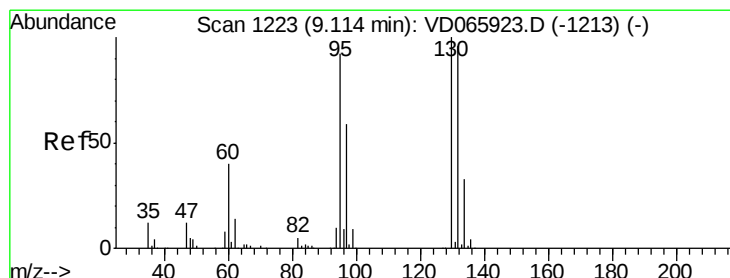
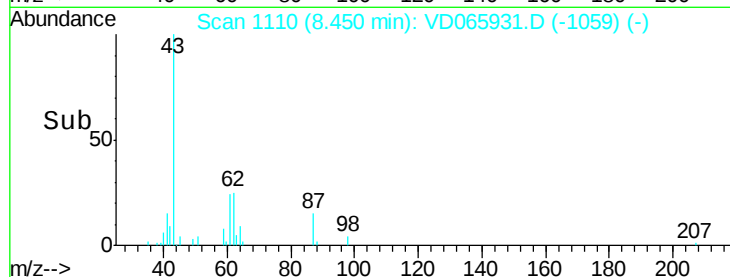
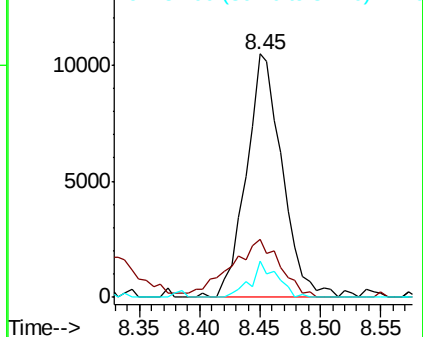
43 100

61 33.3 23.2 34.8

87 10.9 10.0 15.0



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 4.346 ug/l

RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD065931.D

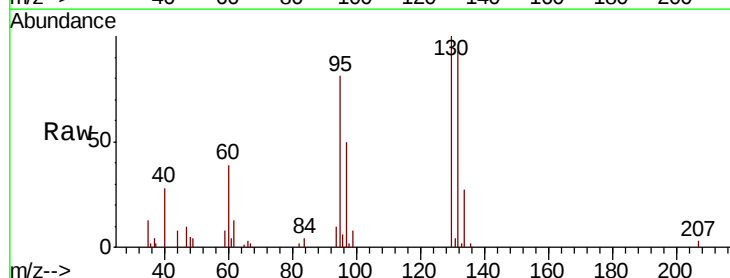
Acq: 07 Jul 2020 19:59

Tgt Ion: 130 Resp: 22365

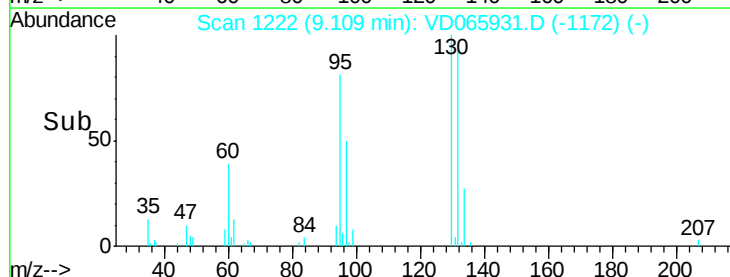
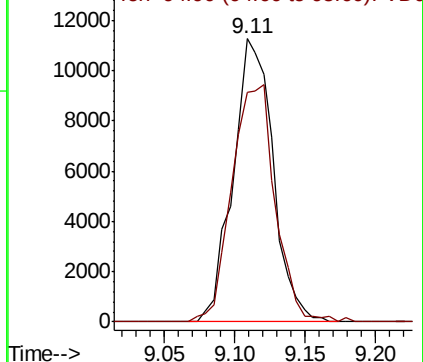
Ion Ratio Lower Upper

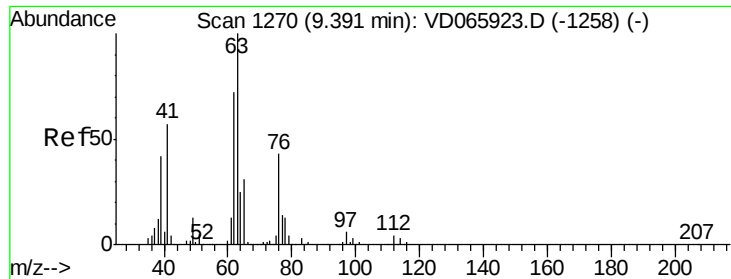
130 100

95 81.0 0.0 184.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC

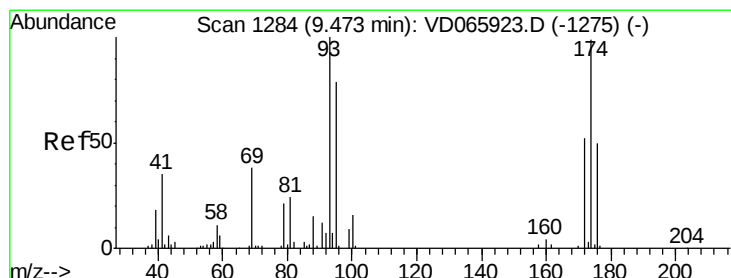
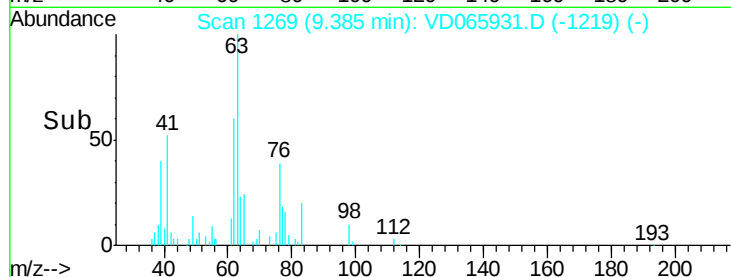
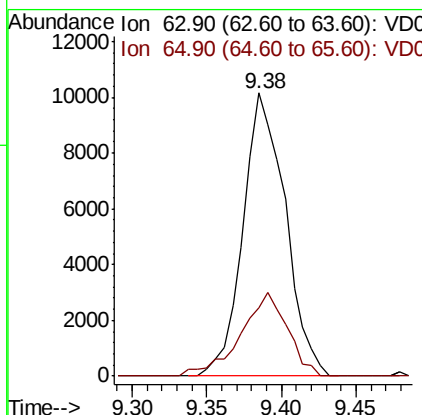
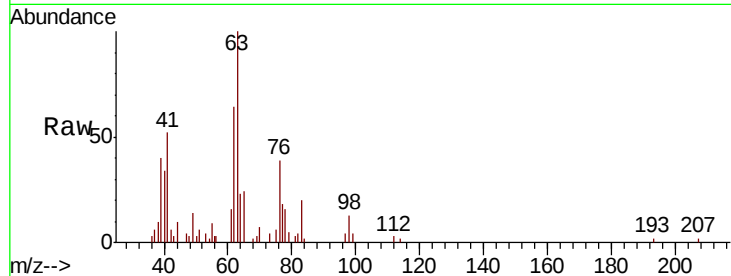




#45
 1,2-Dichloropropane
 Concen: 4.583 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

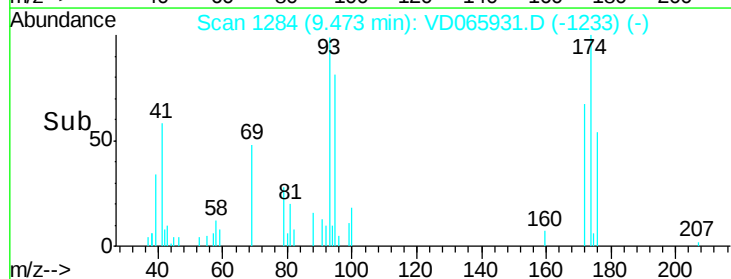
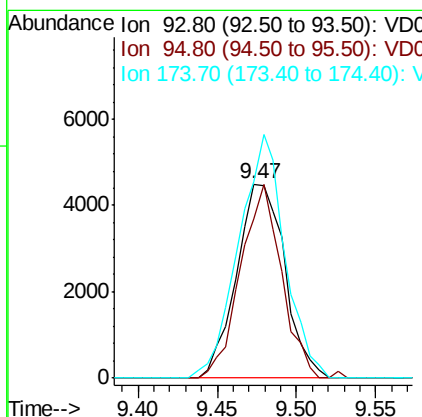
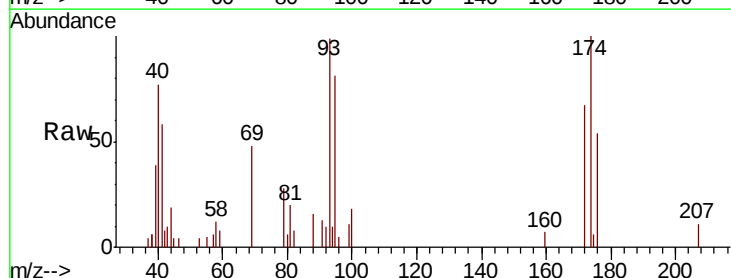
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

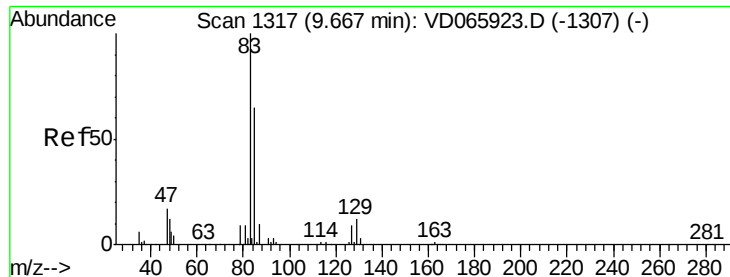
Tot Ion: 63 Resp: 19923
 Ion Ratio Lower Upper
 63 100
 65 24.3 25.0 37.6#



#46
 Dibromomethane
 Concen: 4.202 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

Tgt Ion: 93 Resp: 9510
 Ion Ratio Lower Upper
 93 100
 95 84.4 68.2 102.2
 174 119.6 88.0 132.0





#47

Bromodichloromethane

Concen: 4.293 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

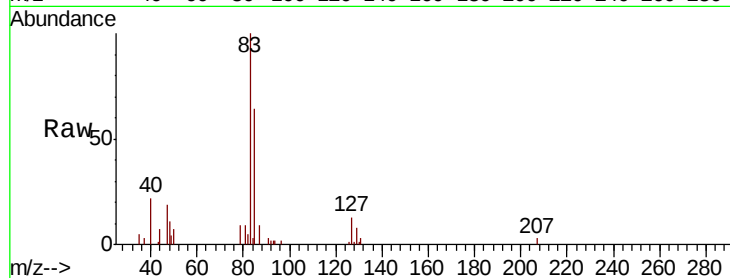
Tot Ion: 83 Resp: 26062

Ion Ratio Lower Upper

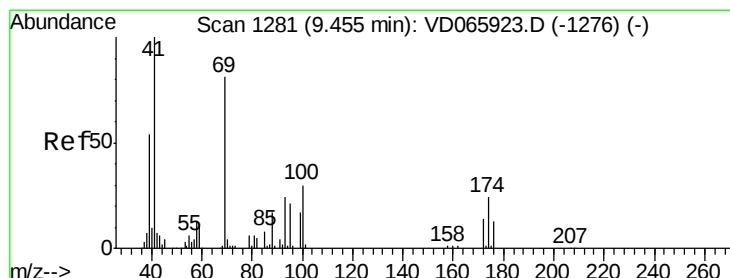
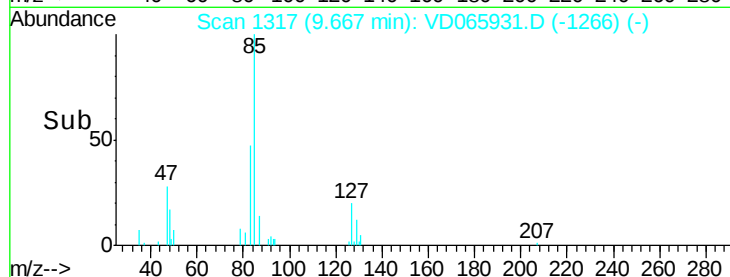
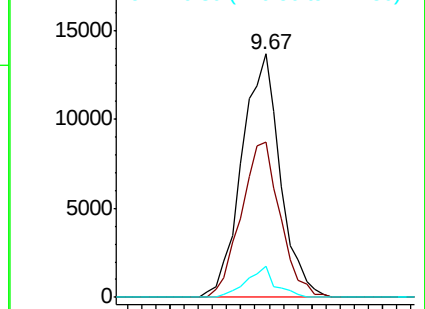
83 100

85 63.9 51.6 77.4

127 12.9 7.2 10.8#



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



#48

Methyl methacrylate

Concen: 4.367 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

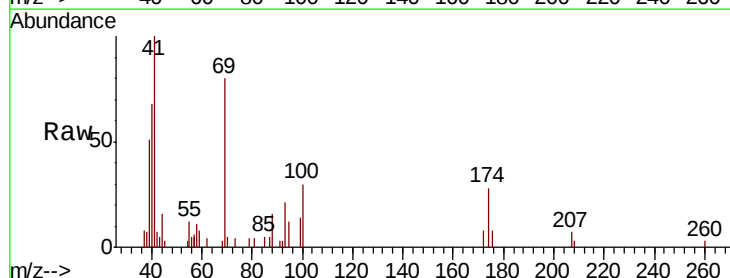
Tgt Ion: 41 Resp: 10872

Ion Ratio Lower Upper

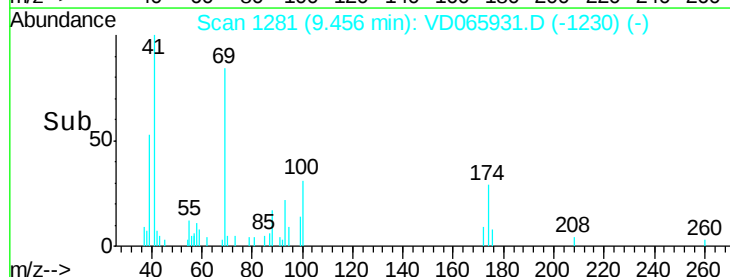
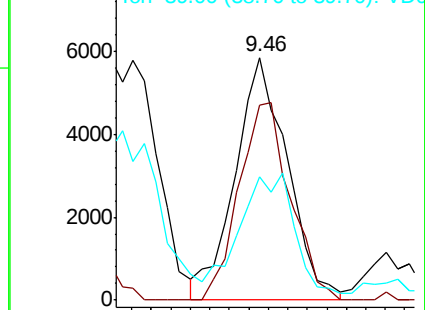
41 100

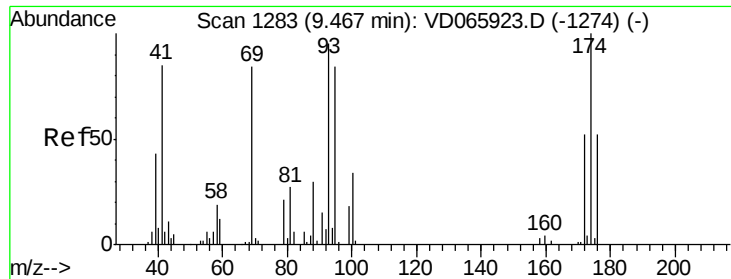
69 79.6 62.2 93.4

39 50.3 39.9 59.9



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





#49

1,4-Dioxane

Concen: 92.253 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

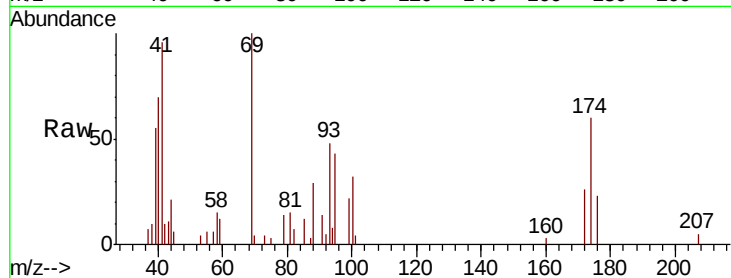
Tot Ion: 88 Resp: 2481

Ion Ratio Lower Upper

88 100

43 43.5 28.2 42.4#

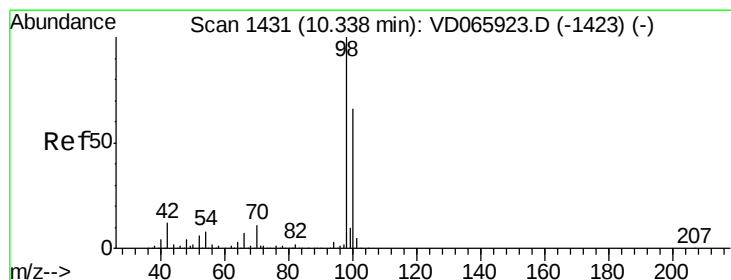
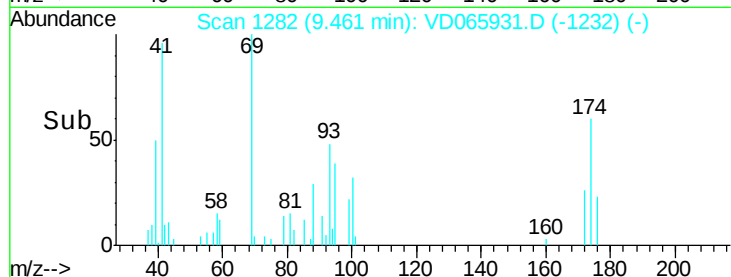
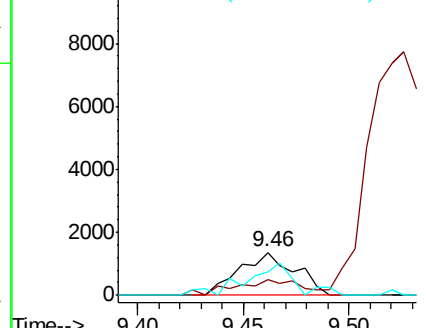
58 66.4 58.6 87.8



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 46.318 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD065931.D

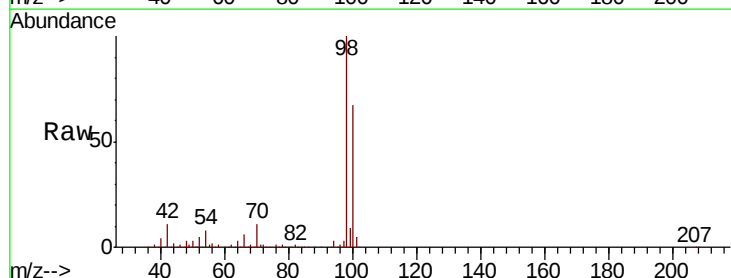
Acq: 07 Jul 2020 19:59

Tgt Ion: 98 Resp: 669272

Ion Ratio Lower Upper

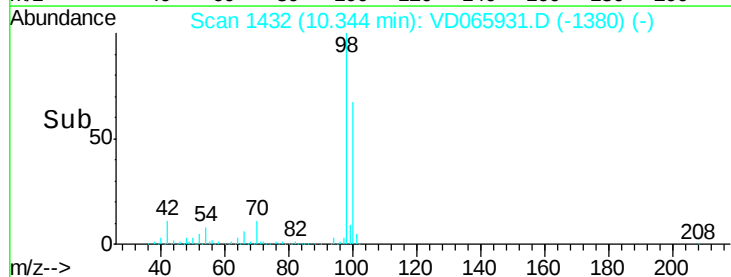
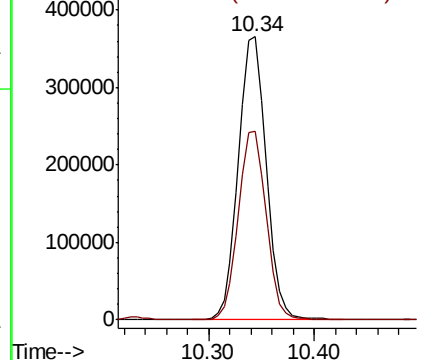
98 100

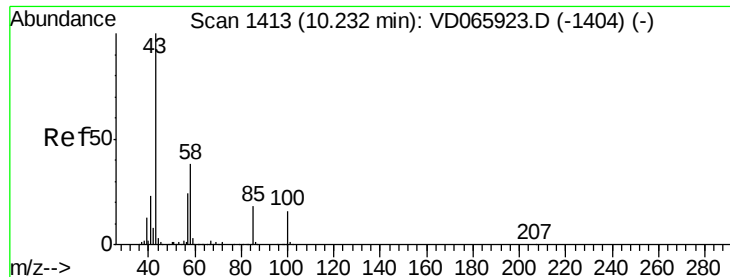
100 66.6 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 19.568 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

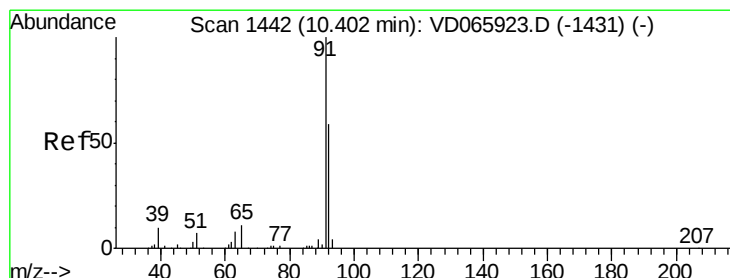
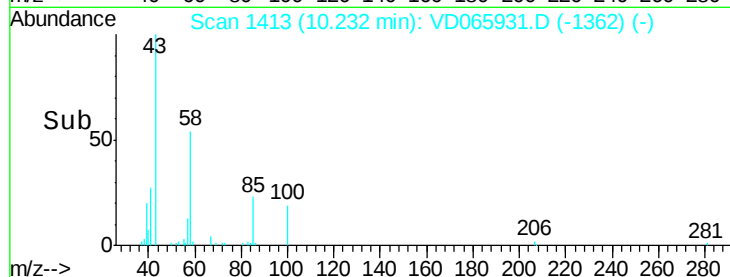
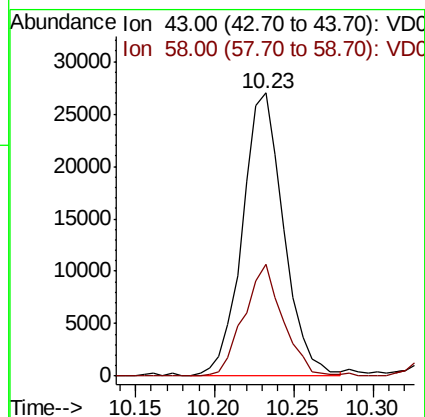
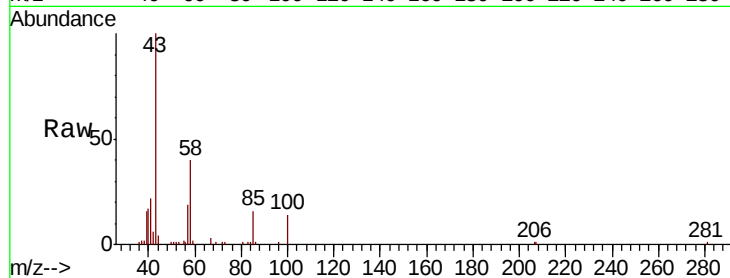
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 48919

Ion Ratio Lower Upper

43 100

58 37.4 30.5 45.7



#52

Toluene

Concen: 4.474 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD065931.D

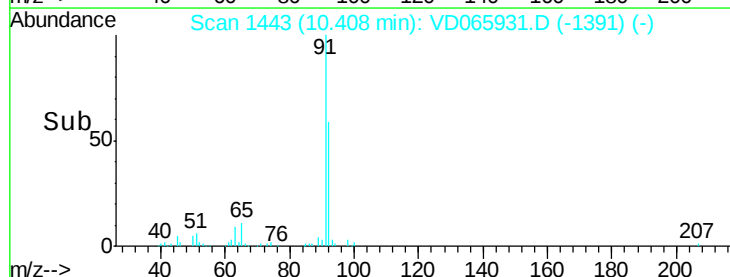
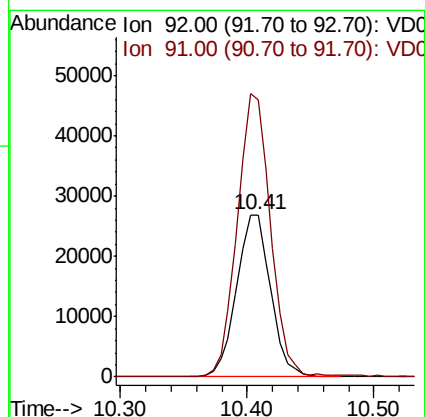
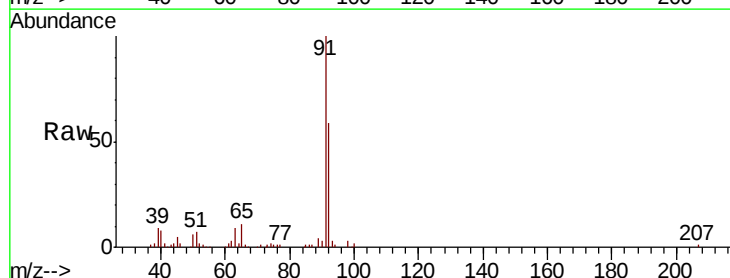
Acq: 07 Jul 2020 19:59

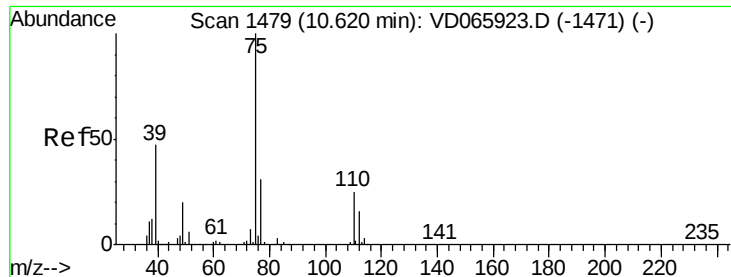
Tgt Ion: 92 Resp: 49861

Ion Ratio Lower Upper

92 100

91 169.9 136.0 204.0





#53

t-1,3-Dichloropropene

Concen: 4.142 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

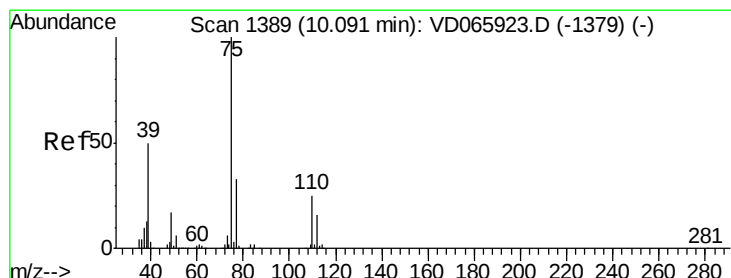
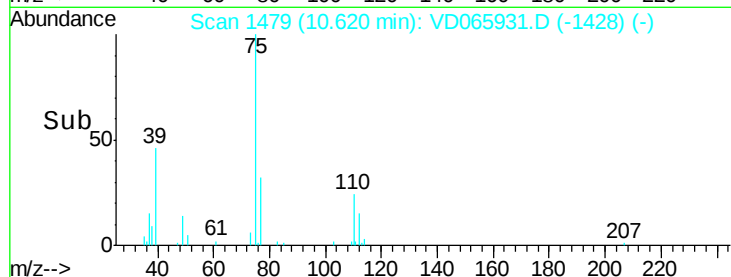
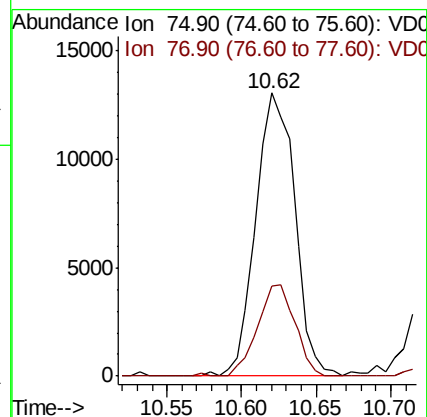
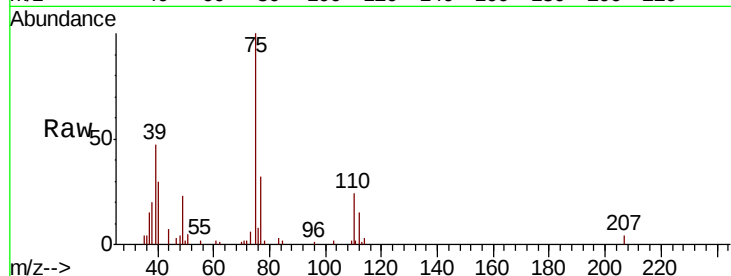
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 75 Resp: 23647

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 4.192 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

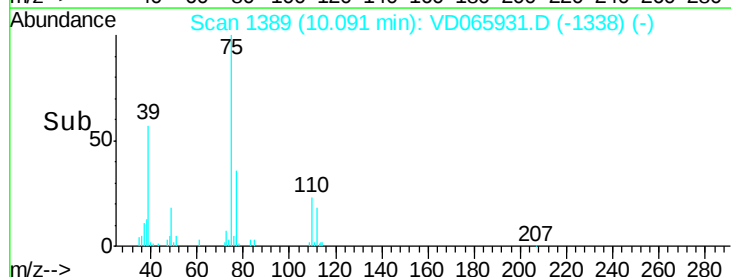
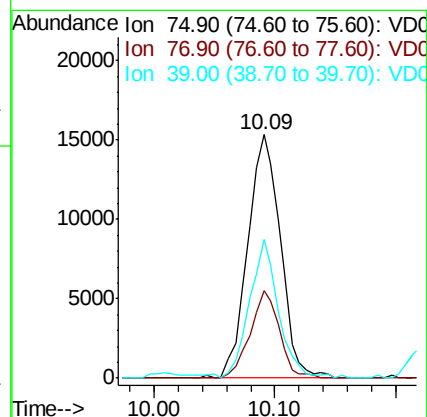
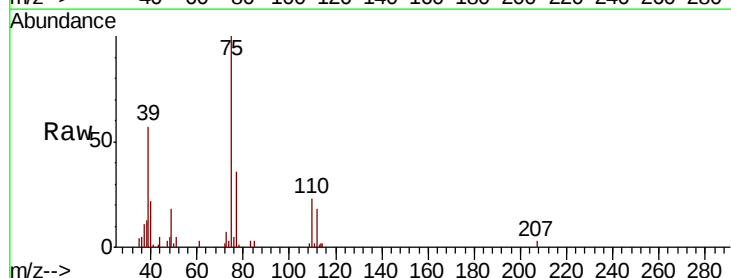
Tgt Ion: 75 Resp: 28920

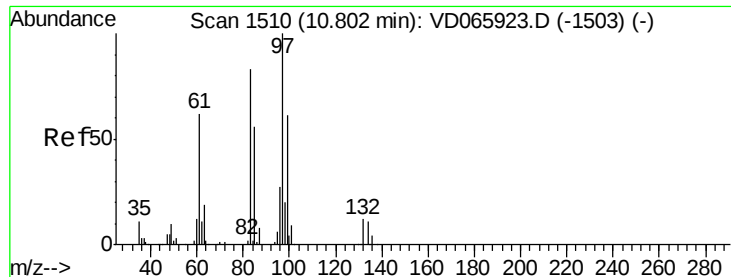
Ion Ratio Lower Upper

75 100

77 35.8 26.6 39.8

39 55.7 39.6 59.4

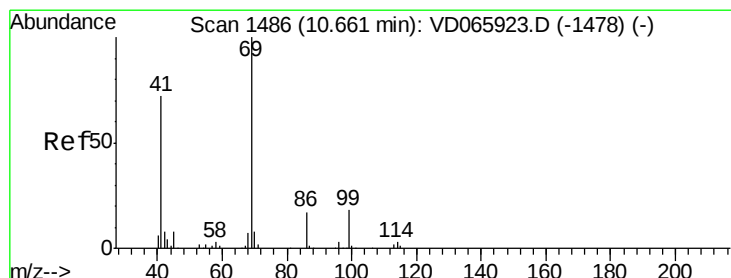
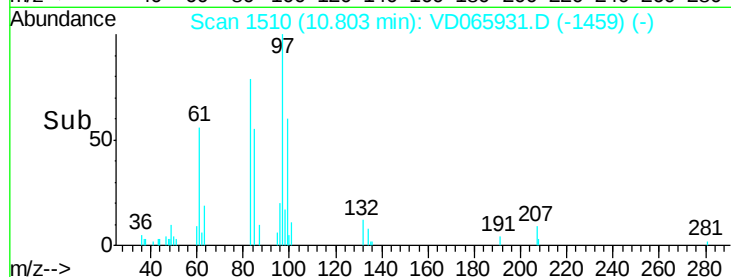
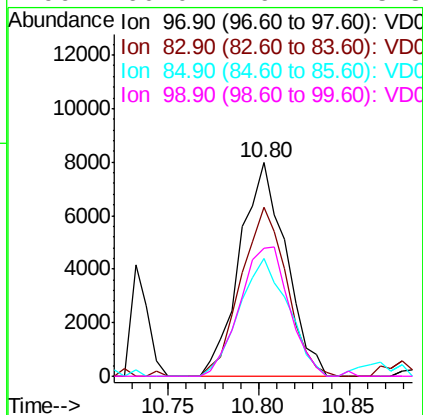
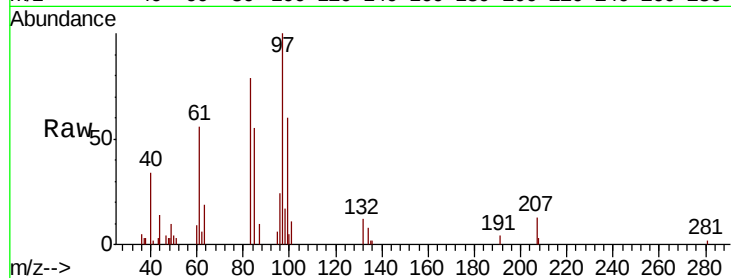




#55
 1,1,2-Trichloroethane
 Concen: 4.522 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

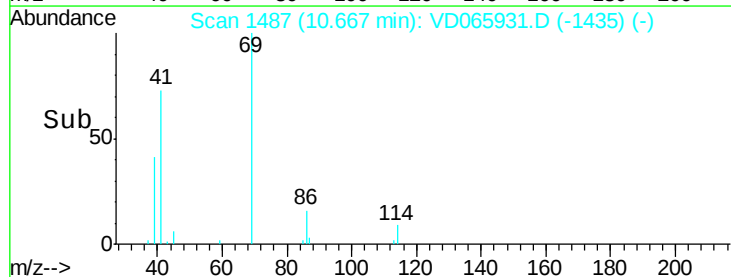
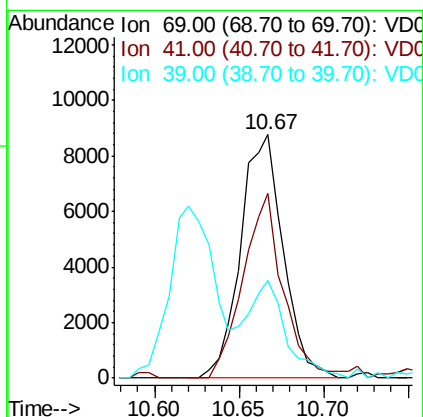
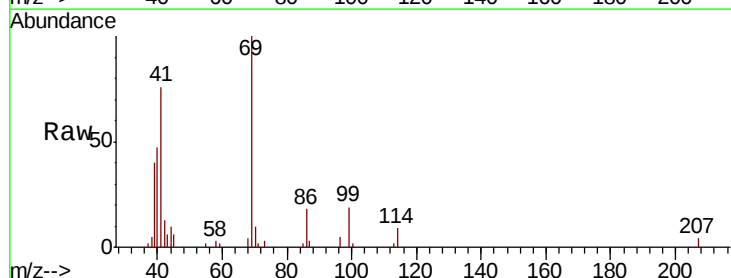
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

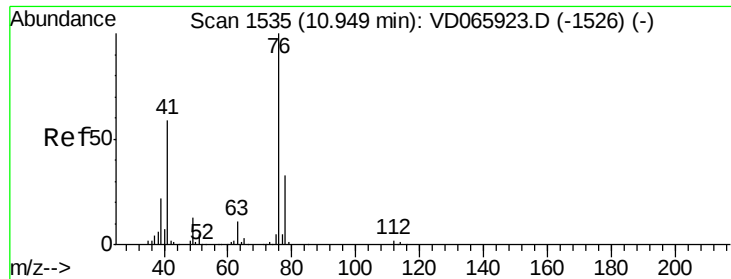
Tot Ion:	97	Resp:	14102
Ion	Ratio	Lower	Upper
97	100		
83	78.8	66.9	100.3
85	55.4	44.5	66.7
99	60.0	49.2	73.8



#56
 Ethyl methacrylate
 Concen: 4.032 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

Tgt Ion:	69	Resp:	15356
Ion	Ratio	Lower	Upper
69	100		
41	74.0	56.5	84.7
39	34.1	29.2	43.8

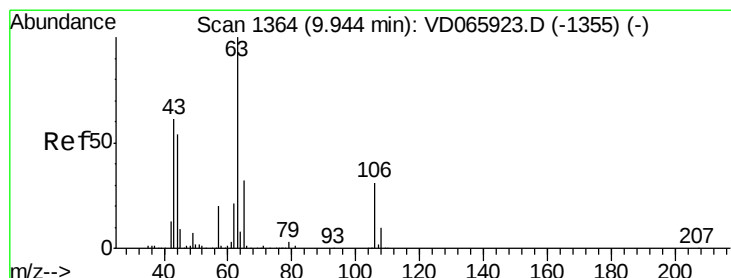
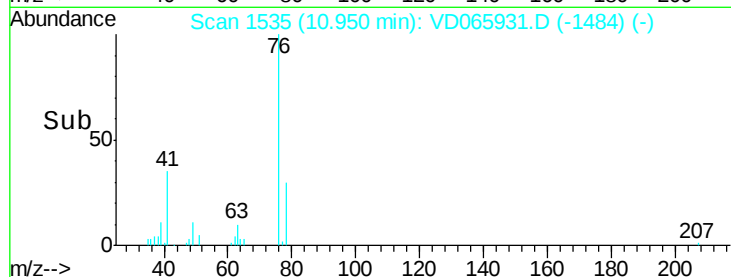
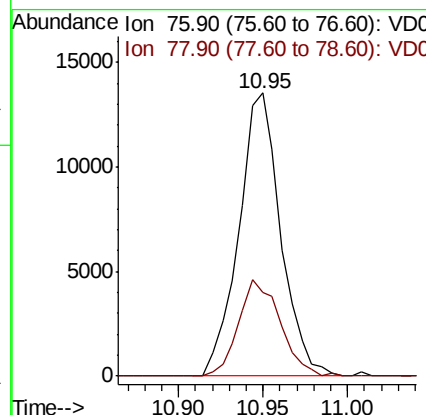
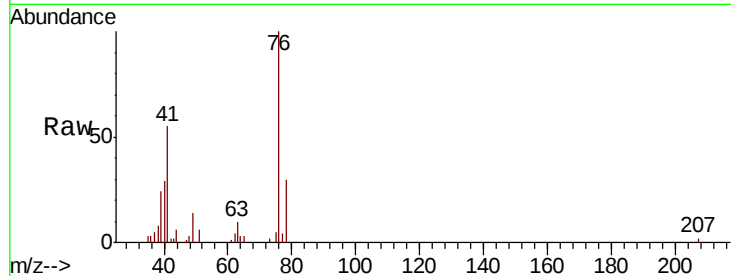




#57
 1,3-Dichloropropane
 Concen: 4.285 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

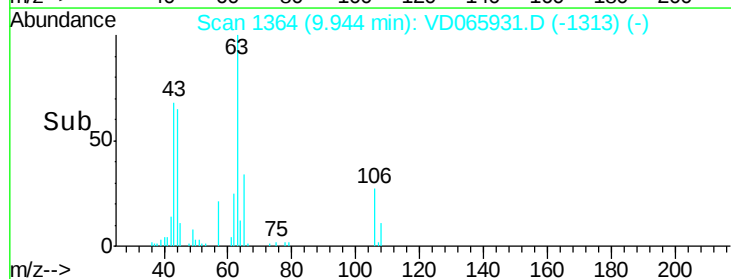
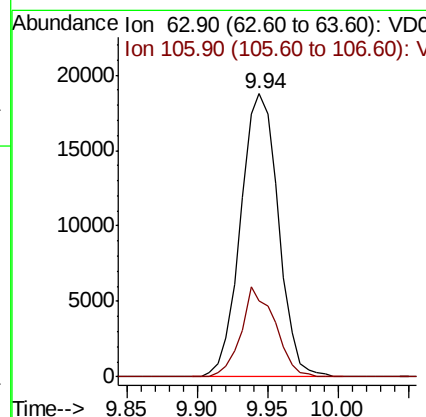
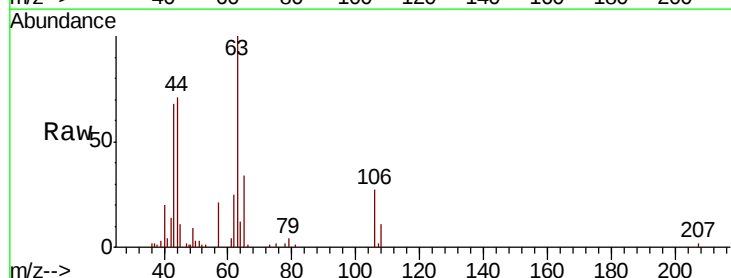
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

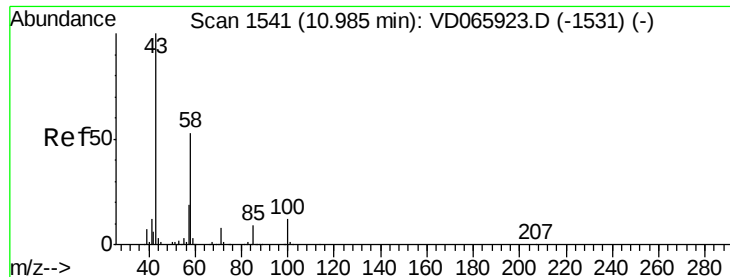
Tot Ion: 76 Resp: 23368
 Ion Ratio Lower Upper
 76 100
 78 34.1 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.047 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

Tgt Ion: 63 Resp: 35135
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.8 35.6

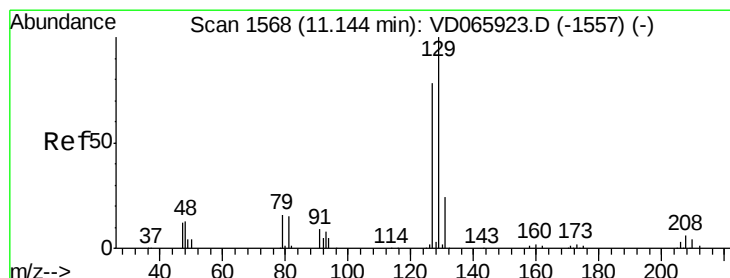
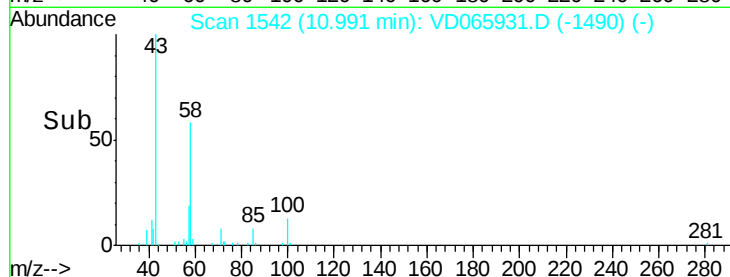
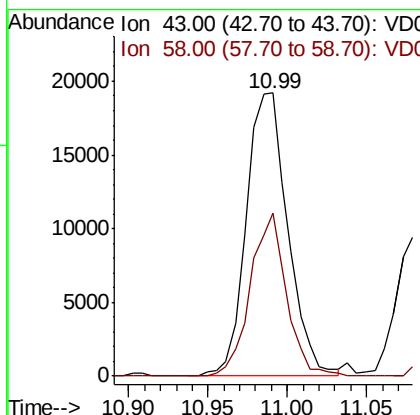
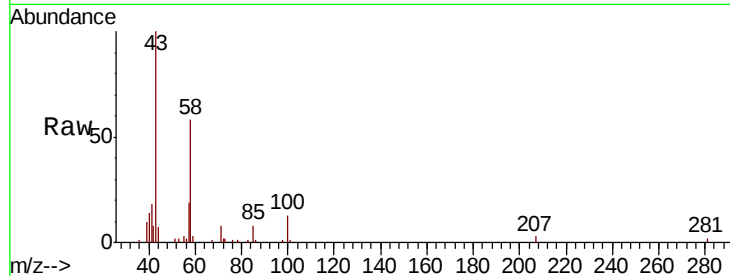




#59
2-Hexanone
Concen: 20.358 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

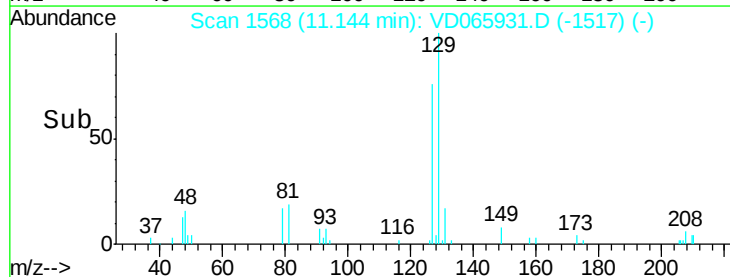
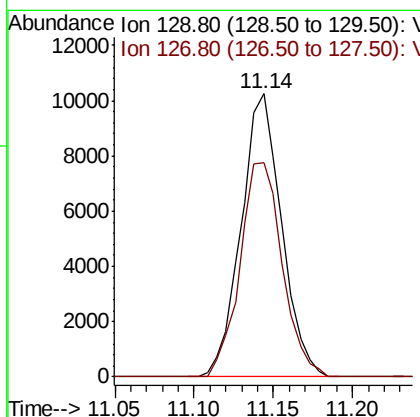
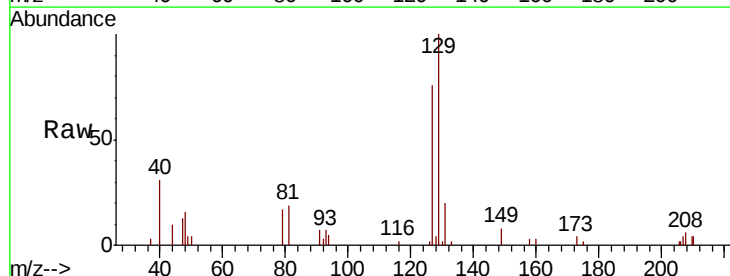
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

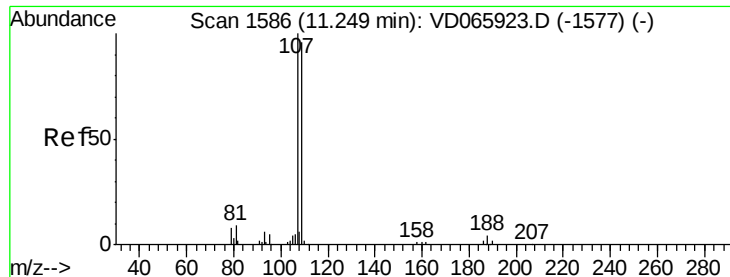
Tot Ion: 43 Resp: 35003
Ion Ratio Lower Upper
43 100
58 49.6 26.6 79.8



#60
Dibromochloromethane
Concen: 4.260 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion: 129 Resp: 18151
Ion Ratio Lower Upper
129 100
127 79.1 38.8 116.4





#61

1,2-Dibromoethane

Concen: 4.319 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

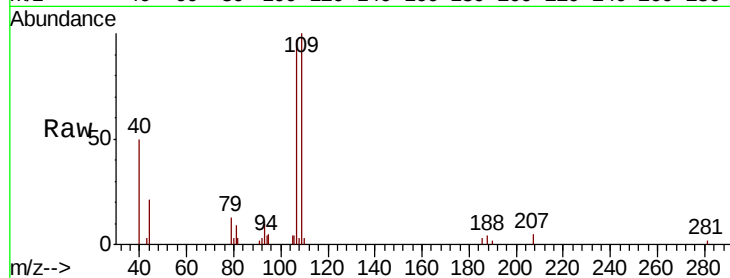
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:107 Resp: 13430

Ion Ratio Lower Upper

107 100

109 92.7 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8000

6000

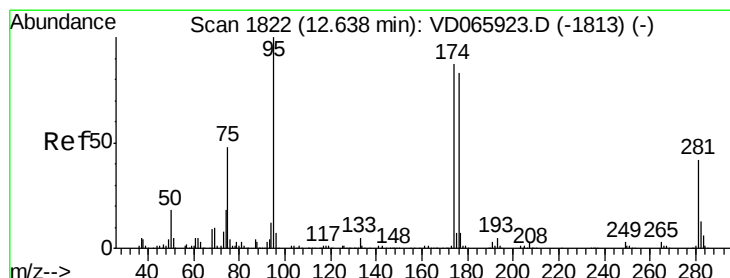
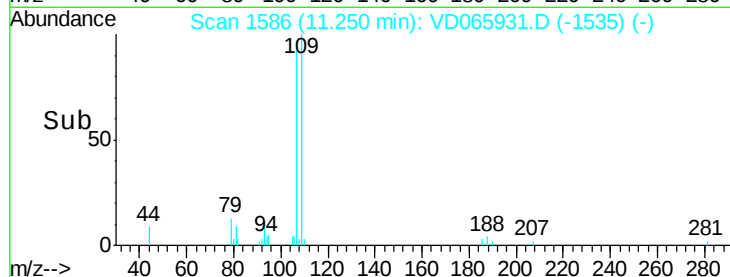
4000

2000

0

11.20 11.25 11.30

Time-->



#62

4-Bromofluorobenzene

Concen: 47.039 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

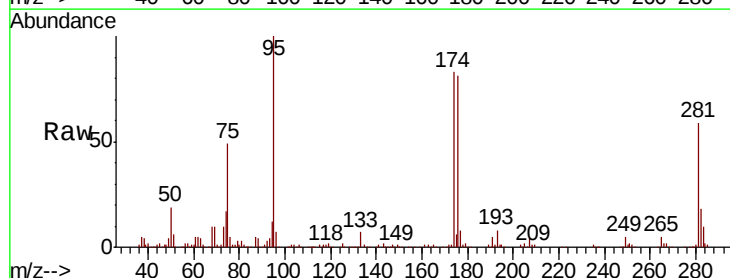
Tgt Ion: 95 Resp: 233410

Ion Ratio Lower Upper

95 100

174 86.6 0.0 169.4

176 84.2 0.0 164.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

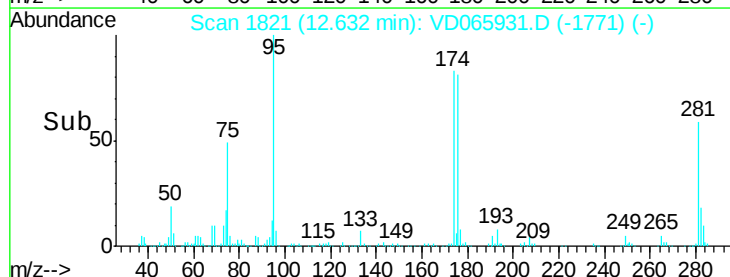
100000

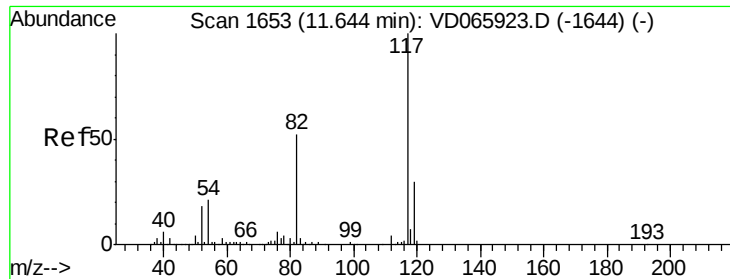
50000

0

12.60 12.63 12.70

Time-->

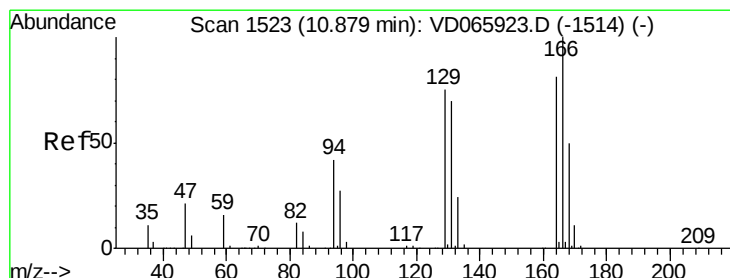
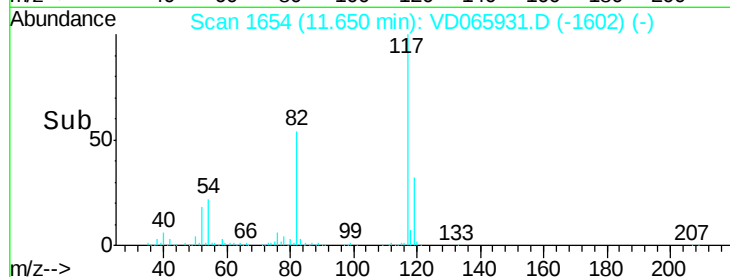
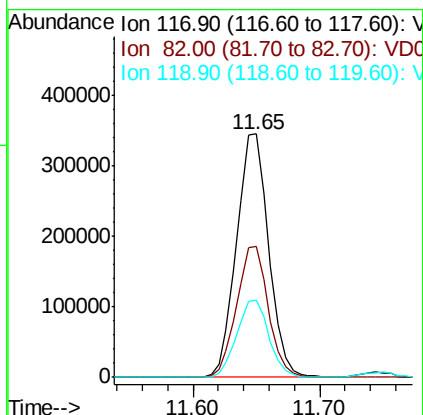
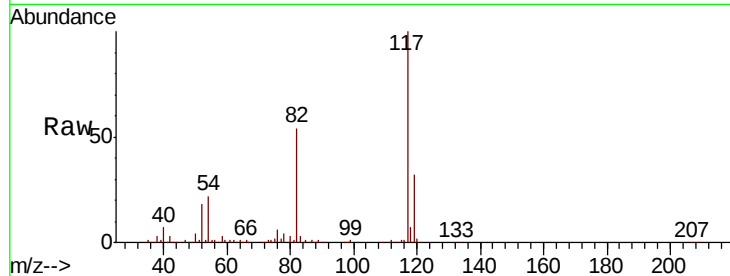




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

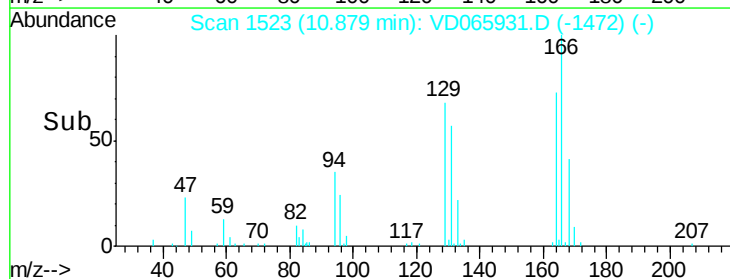
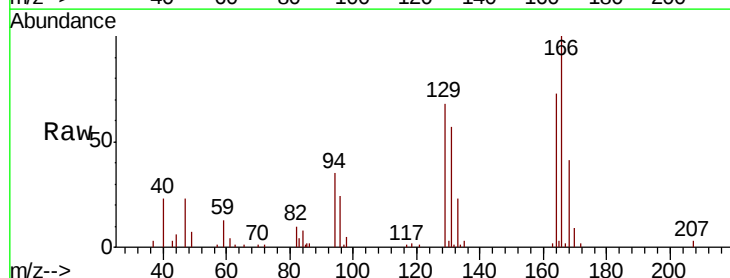
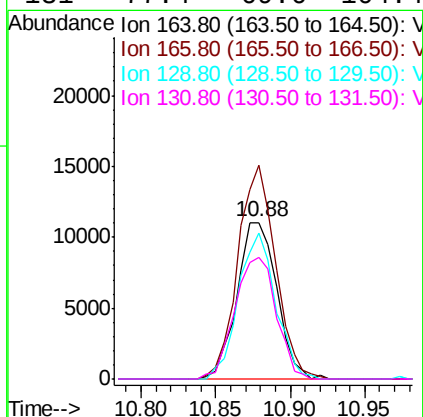
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

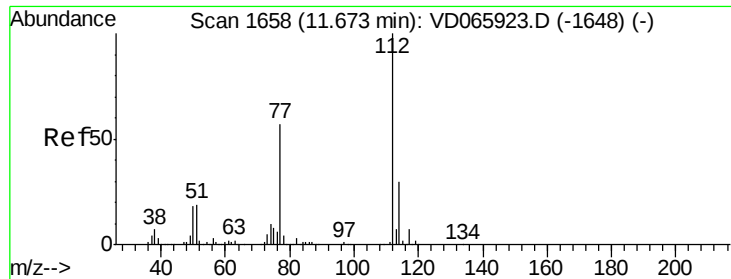
Tot Ion:117 Resp: 608009
Ion Ratio Lower Upper
117 100
82 53.7 41.8 62.8
119 31.6 24.3 36.5



#64
Tetrachloroethene
Concen: 4.611 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion:164 Resp: 20386
Ion Ratio Lower Upper
164 100
166 136.2 99.0 148.4
129 93.3 73.9 110.9
131 77.4 69.6 104.4

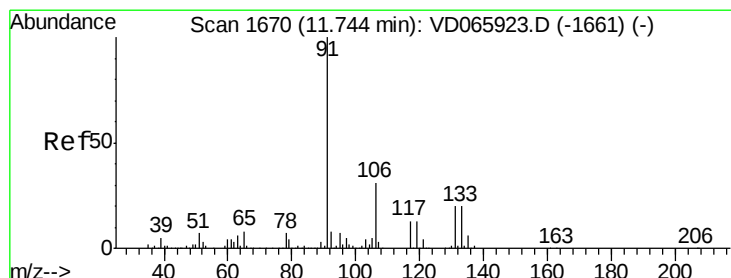
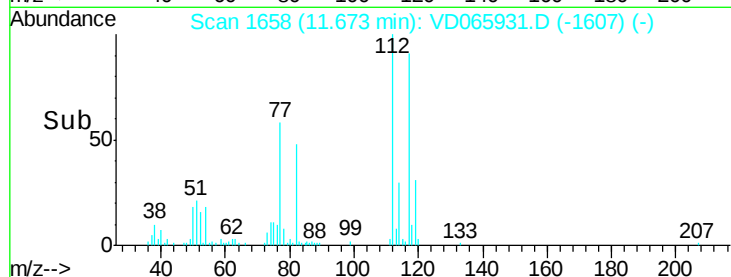
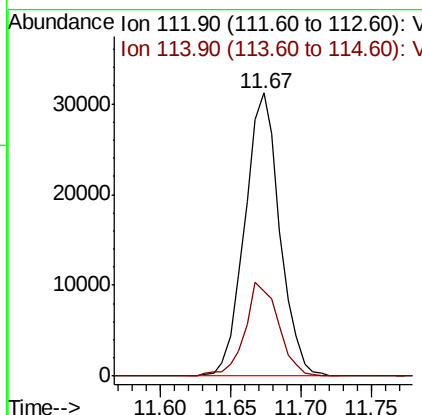
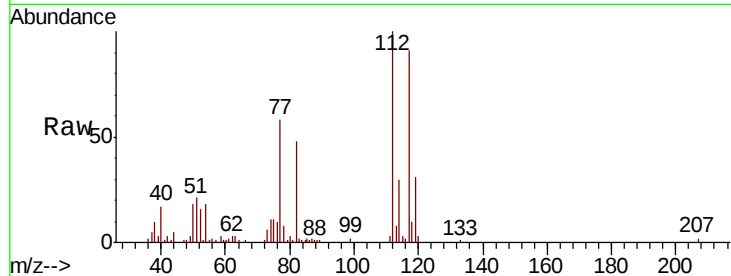




#65
Chlorobenzene
Concen: 4.436 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

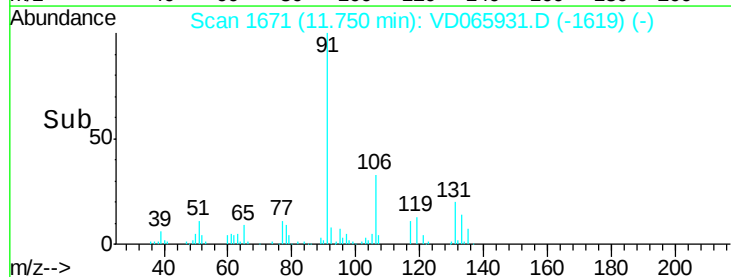
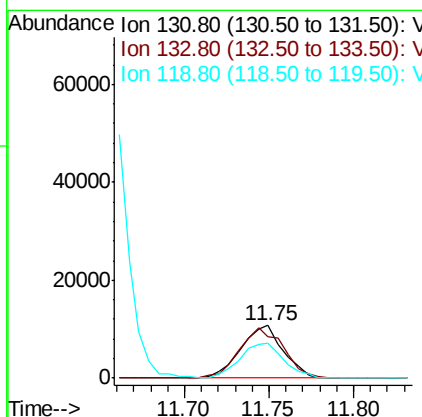
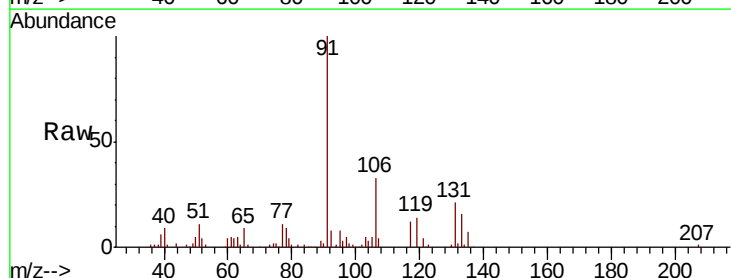
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

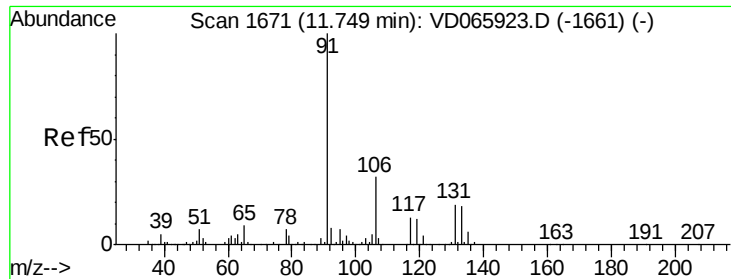
Tot Ion:112 Resp: 54348
Ion Ratio Lower Upper
112 100
114 30.1 24.2 36.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.085 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion:131 Resp: 18722
Ion Ratio Lower Upper
131 100
133 99.1 47.9 143.6
119 69.6 31.9 95.9

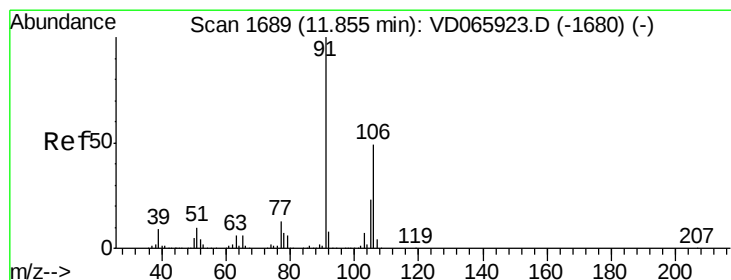
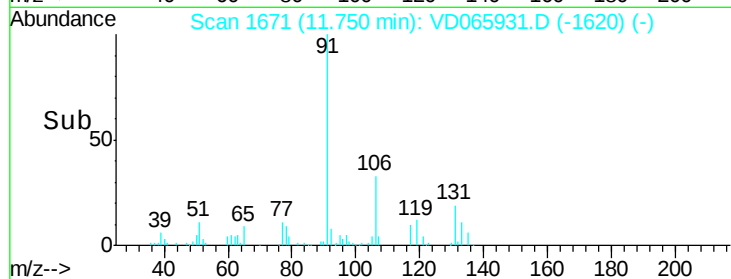
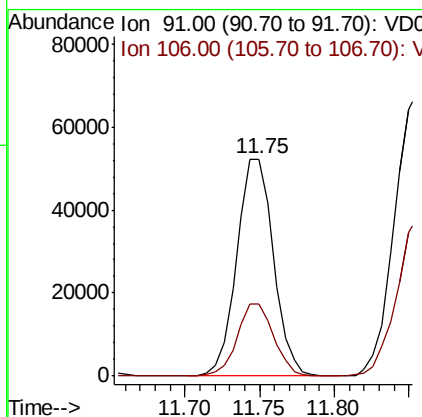
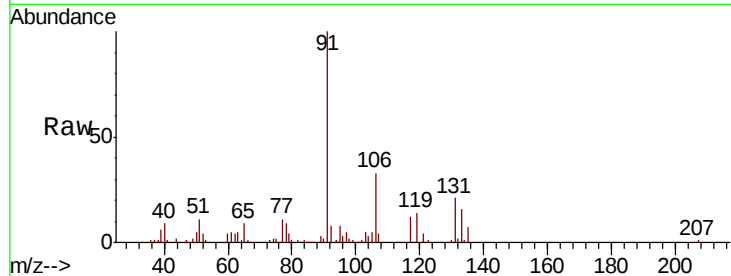




#67
Ethyl Benzene
Concen: 4.101 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

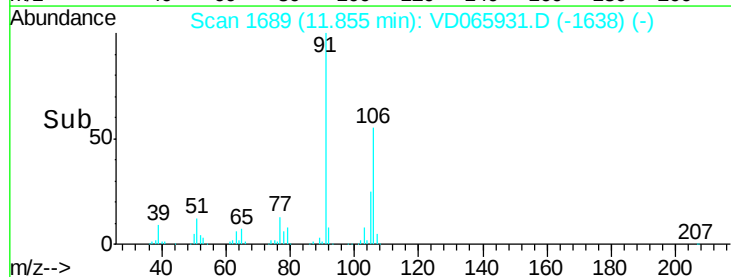
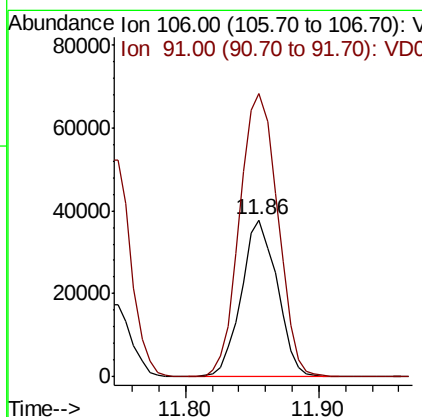
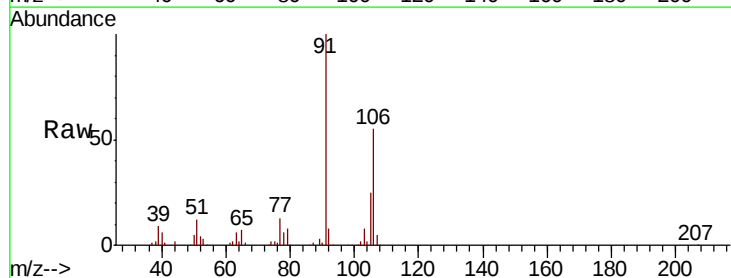
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

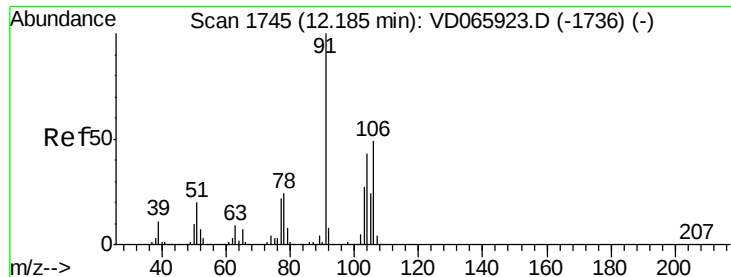
Tot Ion: 91 Resp: 89265
Ion Ratio Lower Upper
91 100
106 33.4 25.2 37.8



#68
m/p-Xylenes
Concen: 8.494 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion: 106 Resp: 70247
Ion Ratio Lower Upper
106 100
91 192.4 158.2 237.2

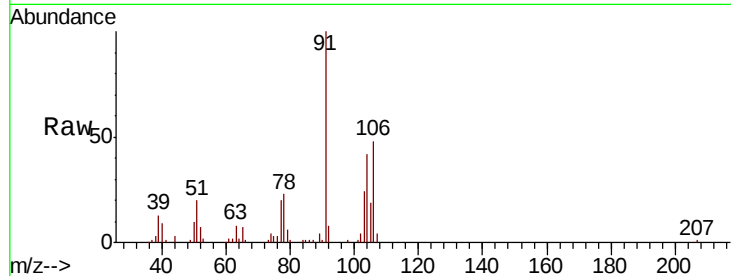




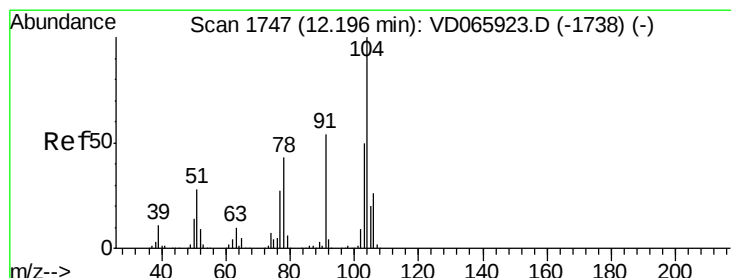
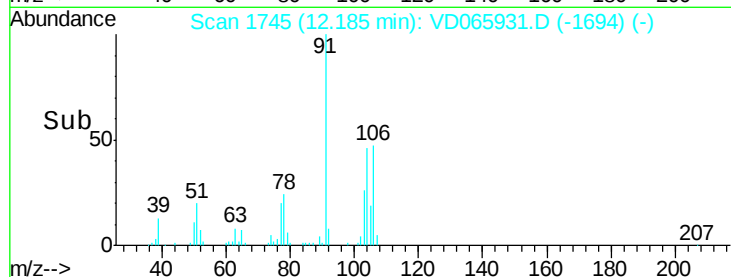
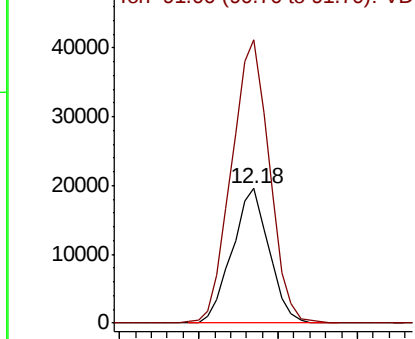
#69
o-Xylene
Concen: 4.191 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:106 Resp: 31570
Ion Ratio Lower Upper
106 100
91 216.5 104.1 312.2

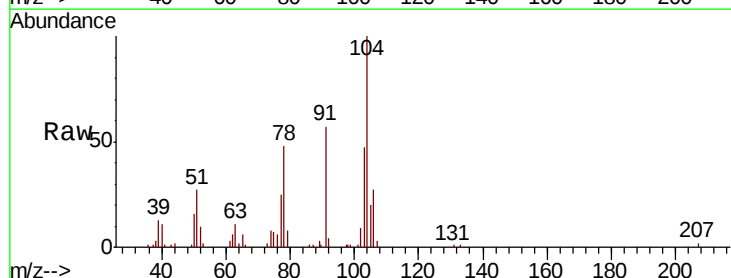


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

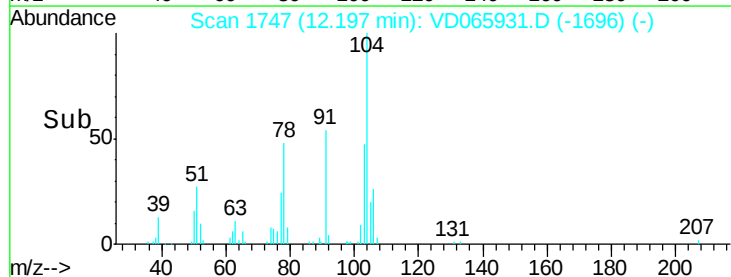
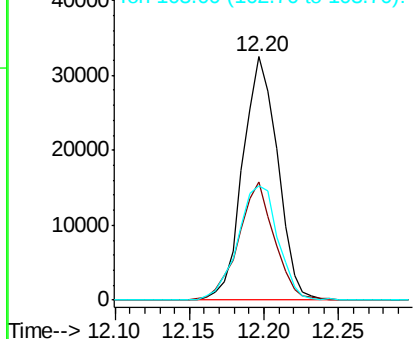


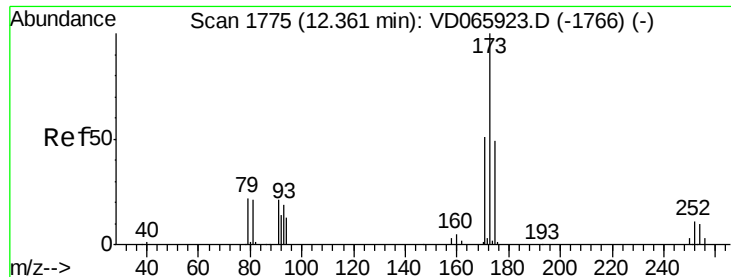
#70
Styrene
Concen: 4.033 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion:104 Resp: 52449
Ion Ratio Lower Upper
104 100
78 50.0 38.8 58.2
103 54.0 43.6 65.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

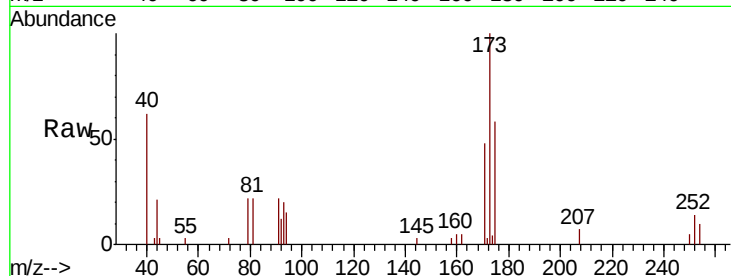




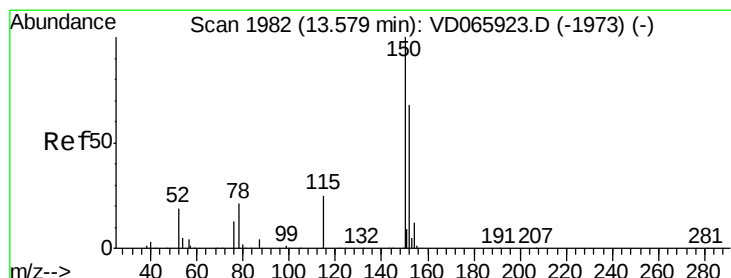
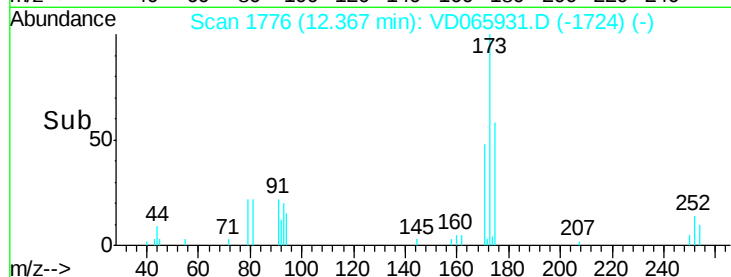
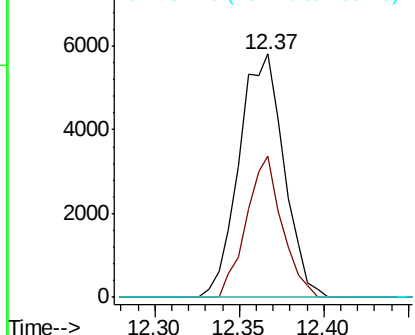
#71
Bromoform
Concen: 4.135 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:173 Resp: 10722
Ion Ratio Lower Upper
173 100
175 46.3 24.2 72.6
254 0.0 0.0 0.0

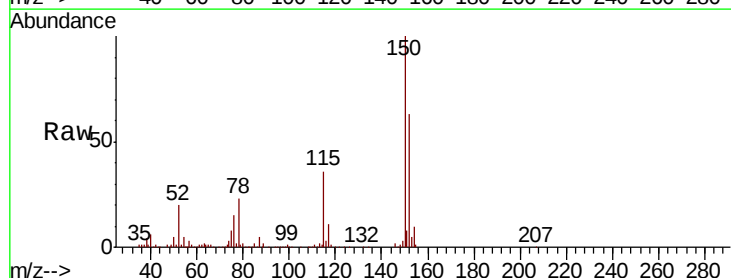


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

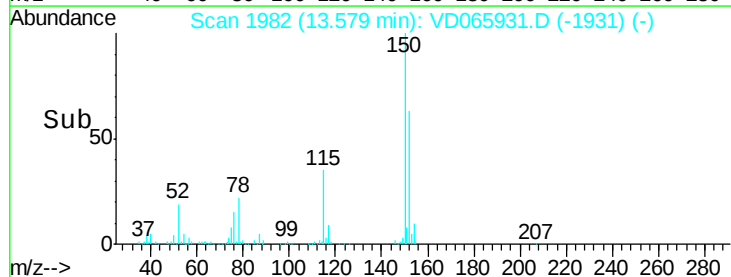
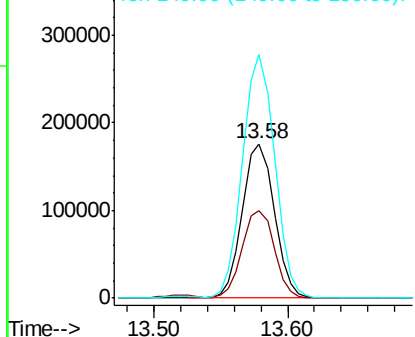


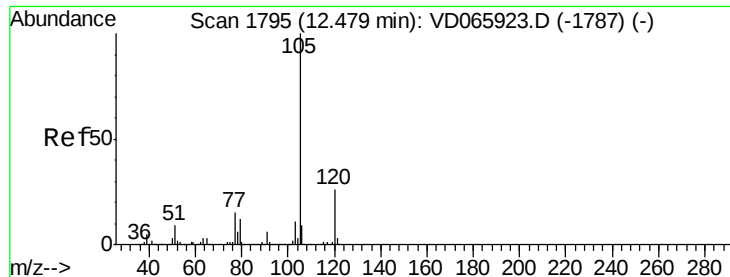
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion:152 Resp: 293414
Ion Ratio Lower Upper
152 100
115 56.8 27.8 83.3
150 158.3 0.0 347.2



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: 4.084 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

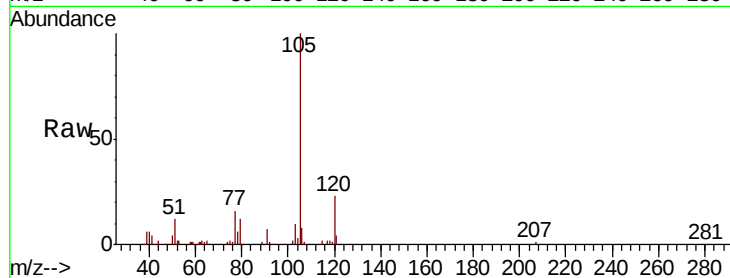
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 105 Resp: 83627

Ion Ratio Lower Upper

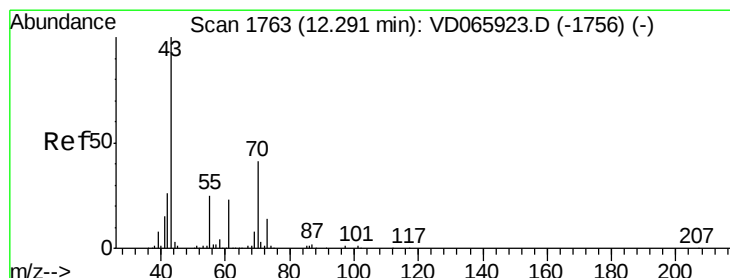
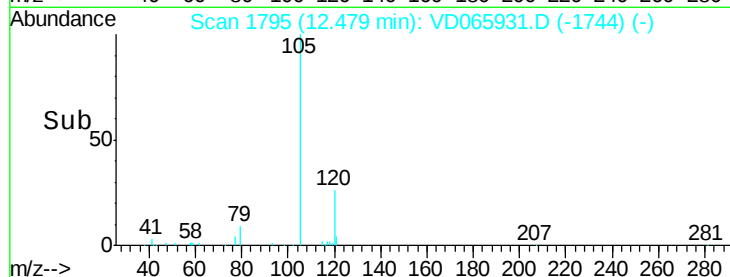
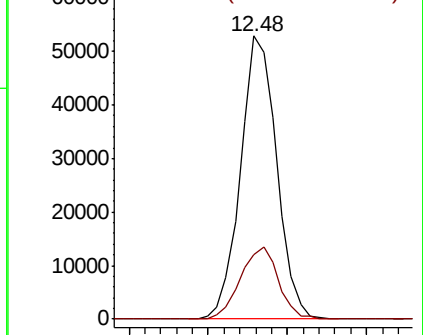
105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 4.094 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Tgt Ion: 43 Resp: 18813

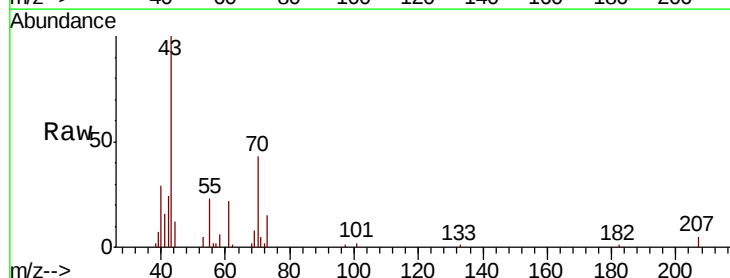
Ion Ratio Lower Upper

43 100

70 41.7 33.6 50.4

55 24.0 20.1 30.1

61 21.0 18.9 28.3

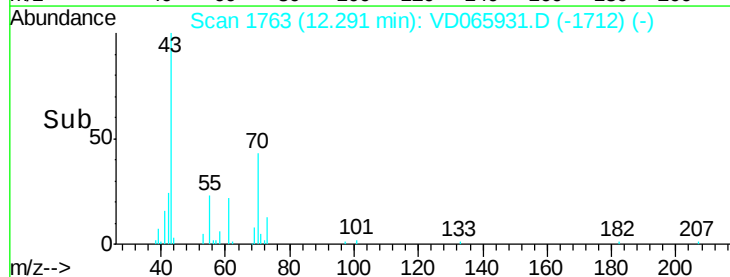
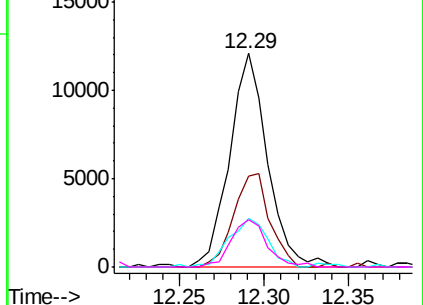


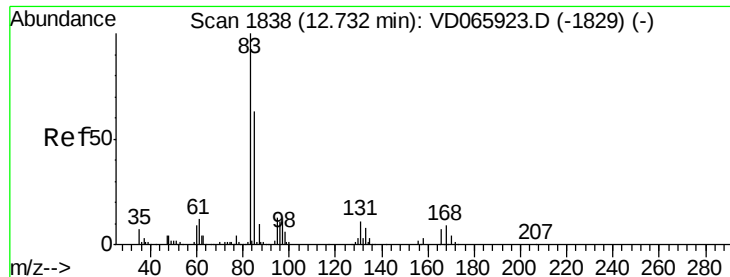
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 4.335 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

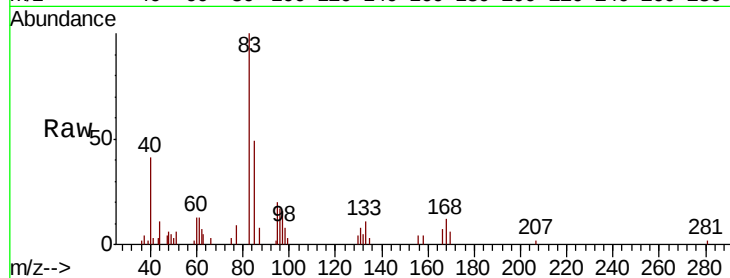
Tot Ion: 83 Resp: 14736

Ion Ratio Lower Upper

83 100

131 10.1 5.6 16.8

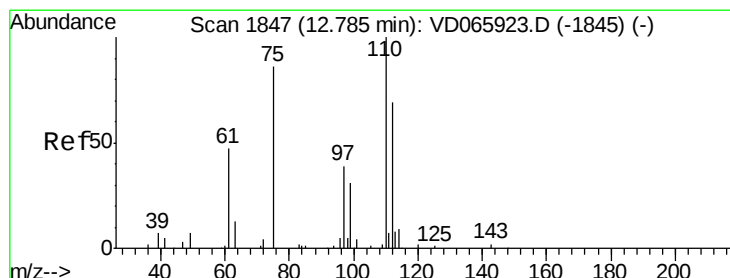
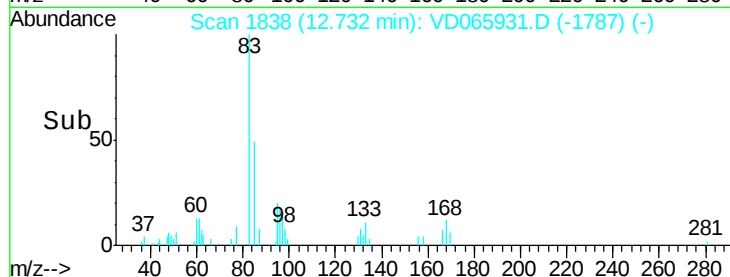
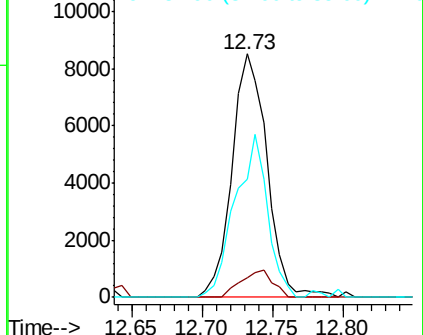
85 61.7 32.6 98.0



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 7.831 ug/l

RT: 12.78 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VD065931.D

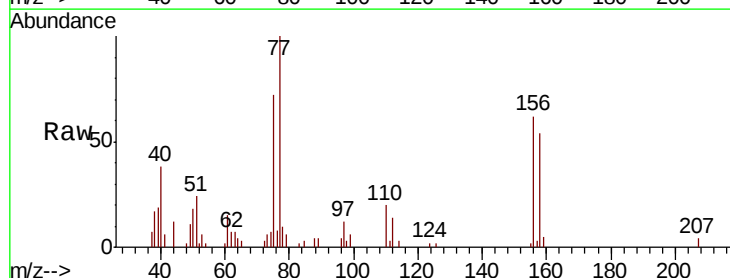
Acq: 07 Jul 2020 19:59

Tgt Ion: 75 Resp: 19276

Ion Ratio Lower Upper

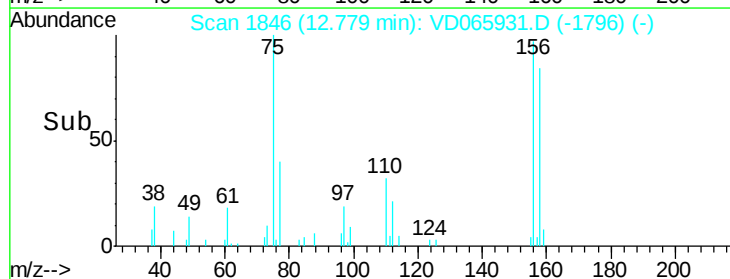
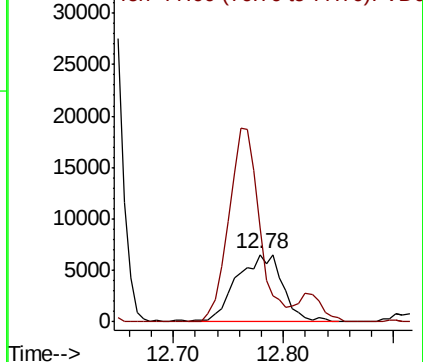
75 100

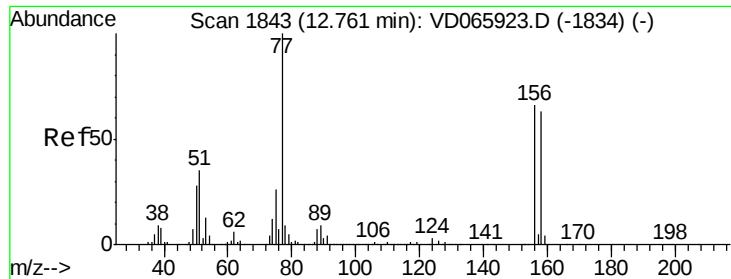
77 190.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 4.377 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

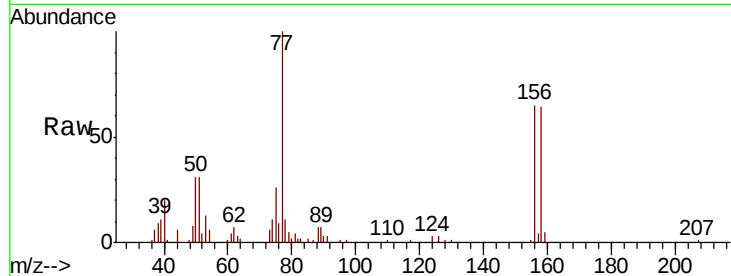
Tot Ion:156 Resp: 21741

Ion Ratio Lower Upper

156 100

77 168.6 85.0 255.0

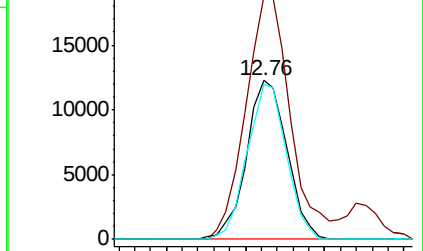
158 94.8 49.0 147.0



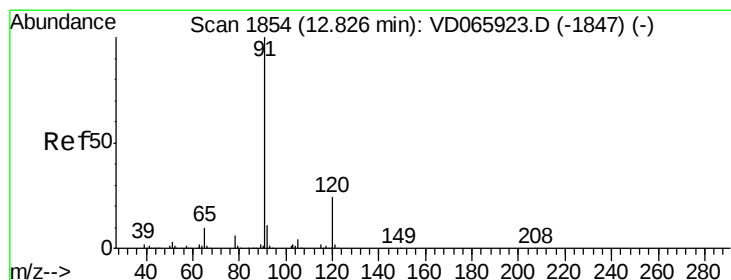
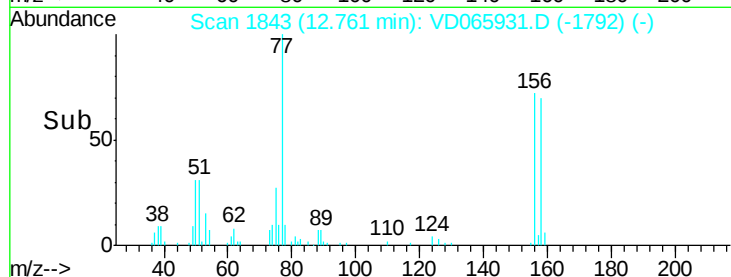
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 4.194 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VD065931.D

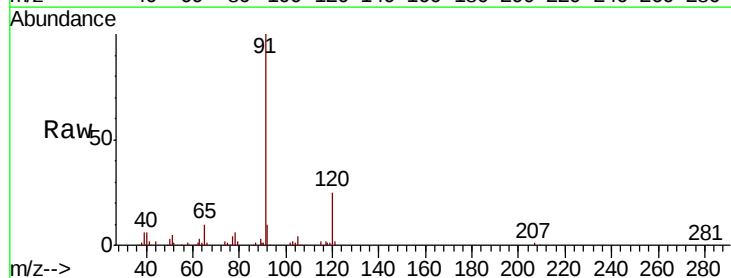
Acq: 07 Jul 2020 19:59

Tgt Ion: 91 Resp: 100683

Ion Ratio Lower Upper

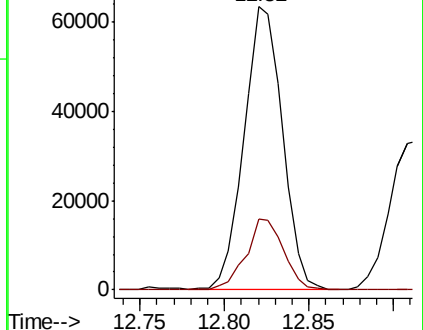
91 100

120 24.5 11.8 35.4

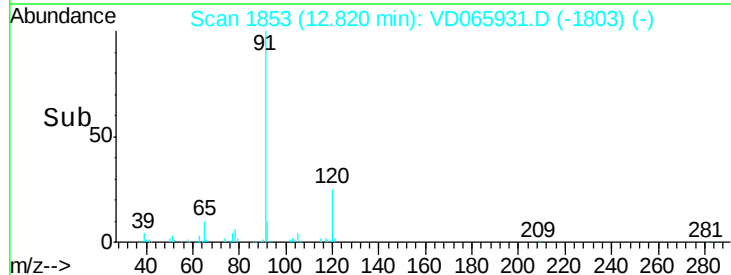


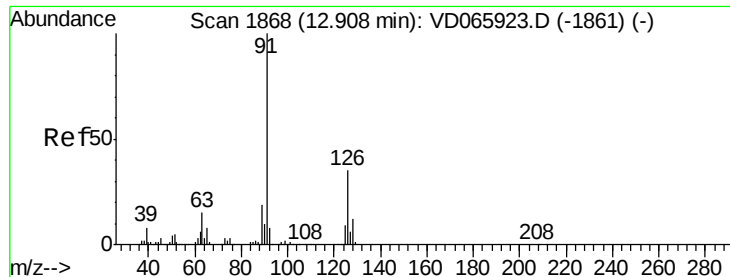
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->

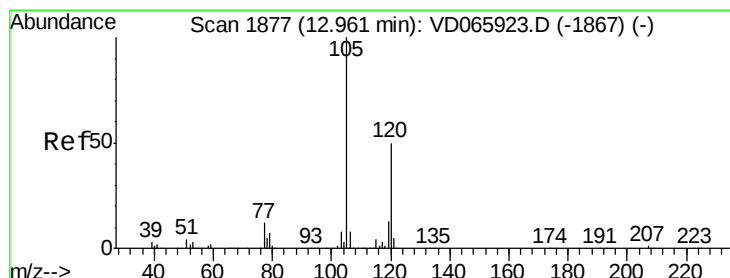
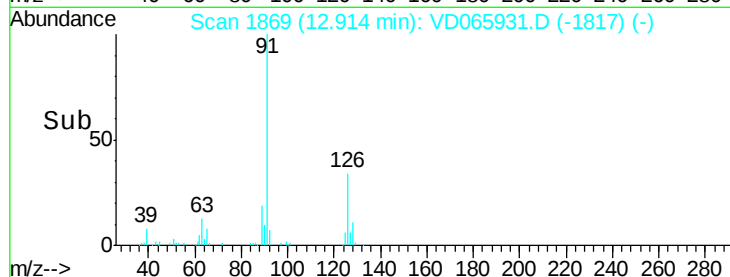
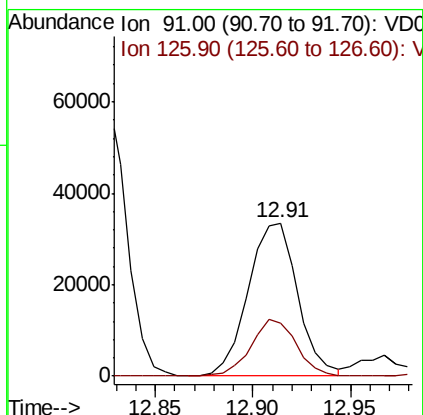
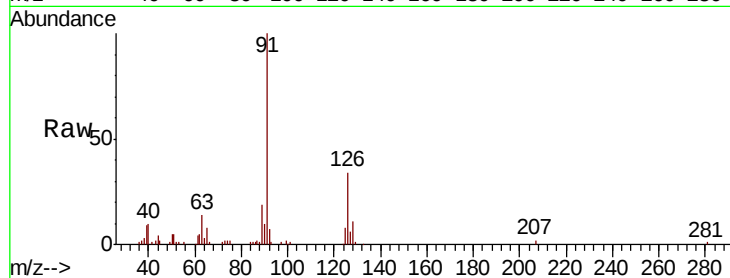




#79
 2-Chlorotoluene
 Concen: 4.332 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

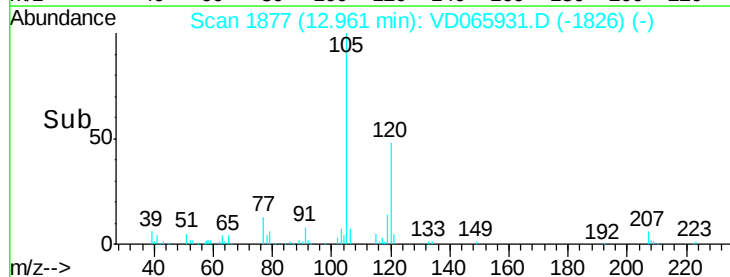
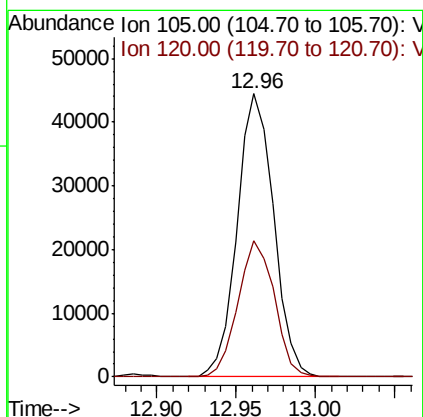
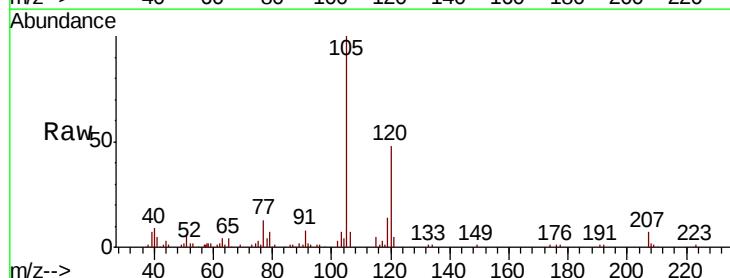
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

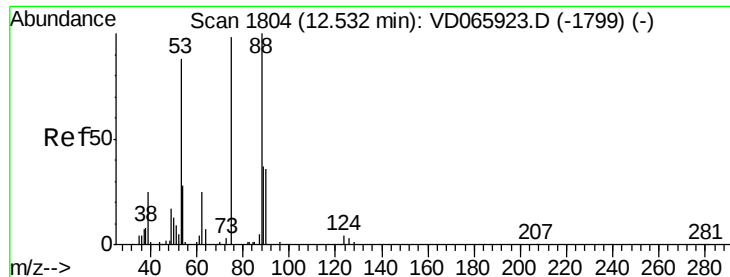
Tot Ion: 91 Resp: 59001
 Ion Ratio Lower Upper
 91 100
 126 34.1 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 4.242 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

Tgt Ion: 105 Resp: 71052
 Ion Ratio Lower Upper
 105 100
 120 47.9 25.2 75.6

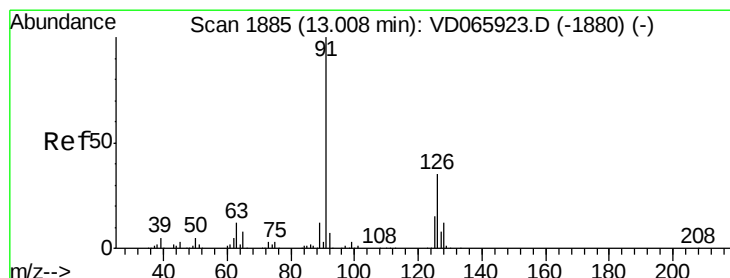
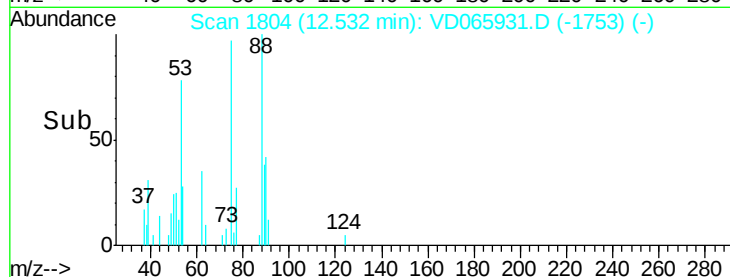
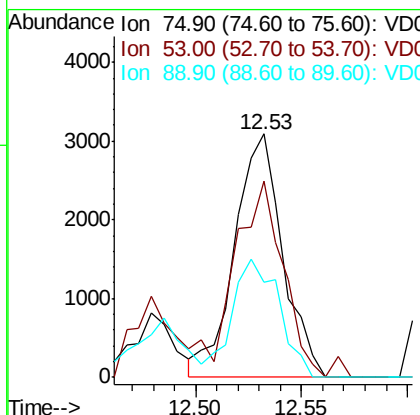
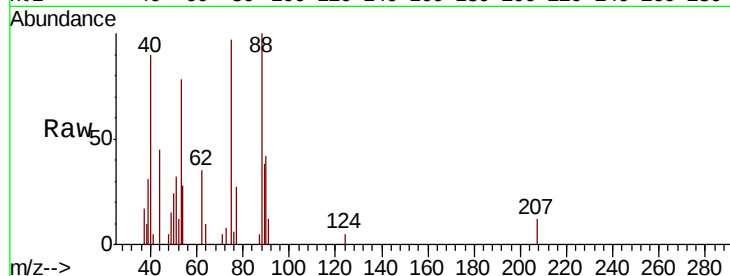




#81
trans-1,4-Dichloro-2-butene
Concen: 4.271 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

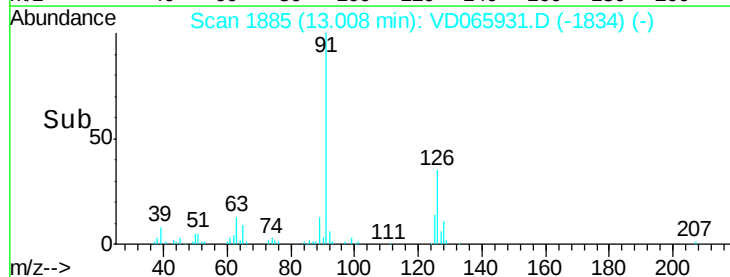
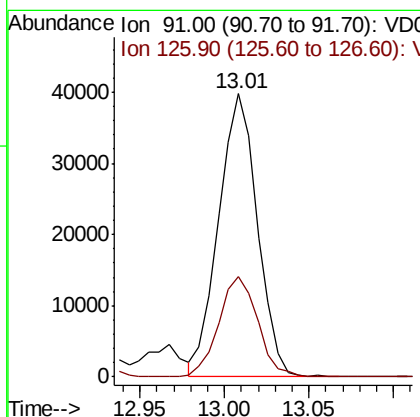
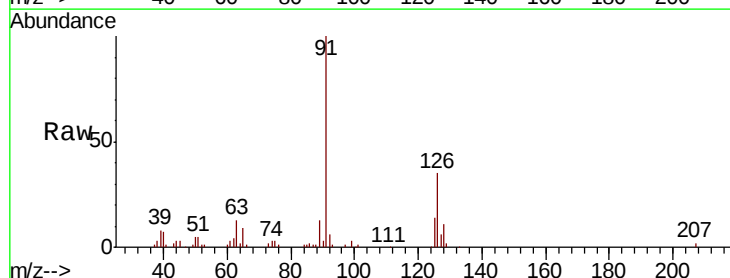
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

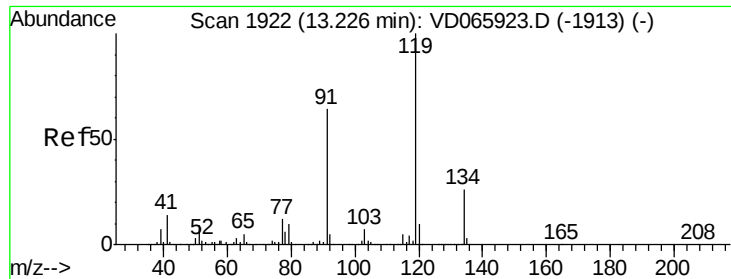
Tot Ion: 75 Resp: 4892
Ion Ratio Lower Upper
75 100
53 77.6 75.8 113.8
89 47.6 37.5 56.3



#82
4-Chlorotoluene
Concen: 4.427 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion: 91 Resp: 63261
Ion Ratio Lower Upper
91 100
126 35.7 17.3 51.7

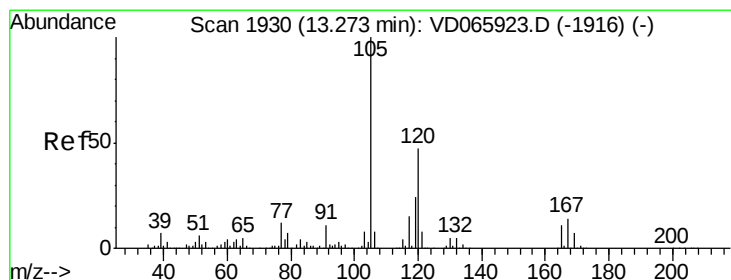
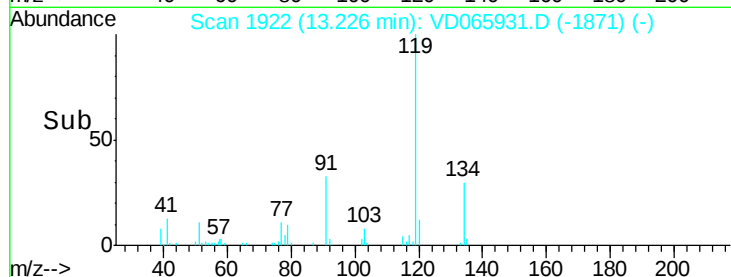
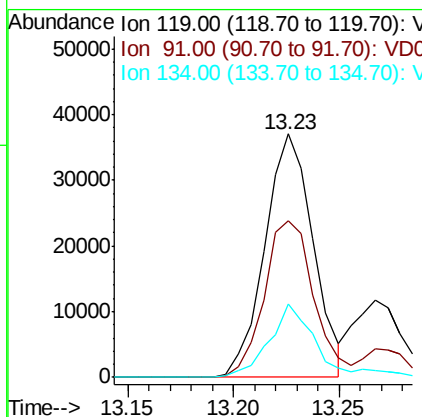
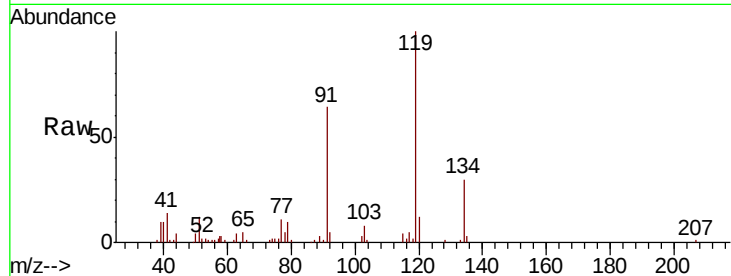




#83
tert-Butylbenzene
Concen: 4.139 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

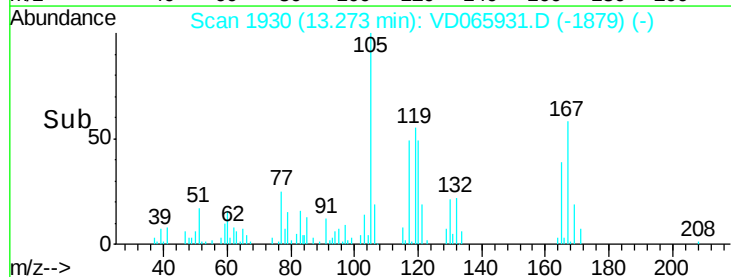
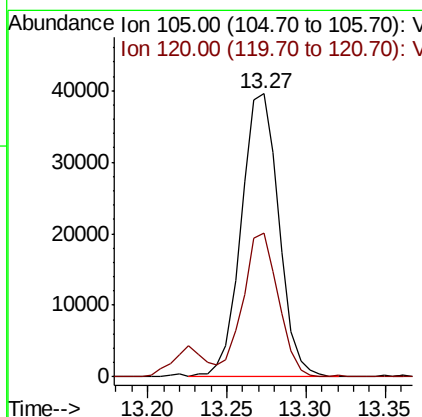
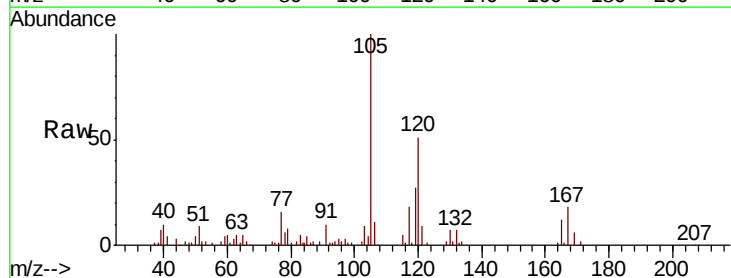
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

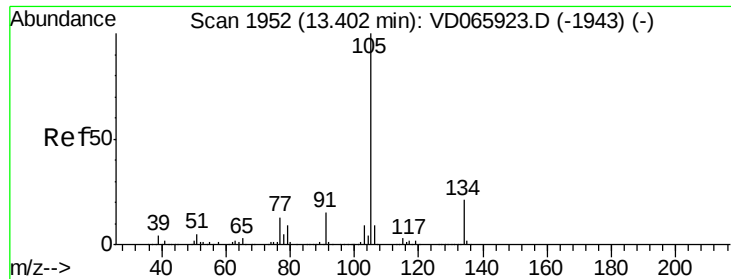
Tot Ion:119 Resp: 59067
Ion Ratio Lower Upper
119 100
91 65.8 32.4 97.2
134 29.7 14.1 42.4



#84
1,2,4-Trimethylbenzene
Concen: 3.907 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion:105 Resp: 65141
Ion Ratio Lower Upper
105 100
120 47.9 23.2 69.5





#85

sec-Butylbenzene

Concen: 4.103 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

Instrument :

MSVOA_D

ClientSampleId :

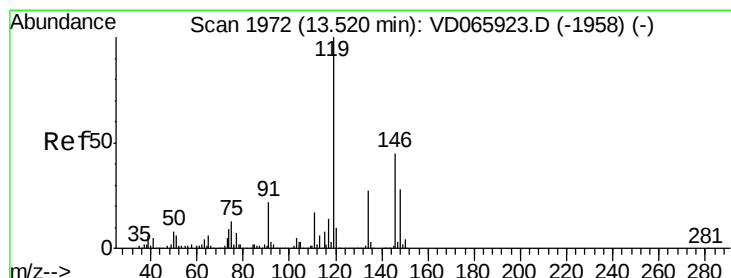
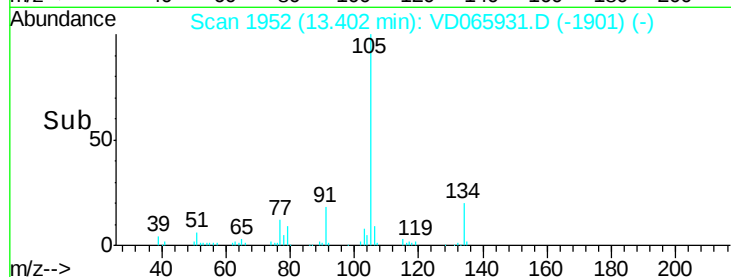
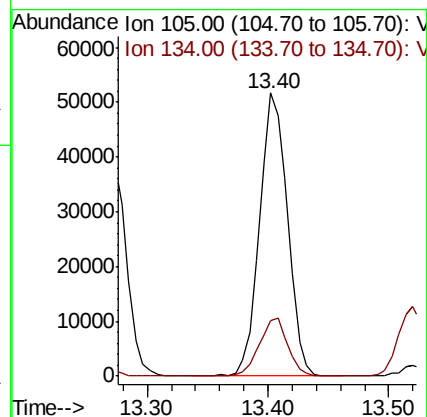
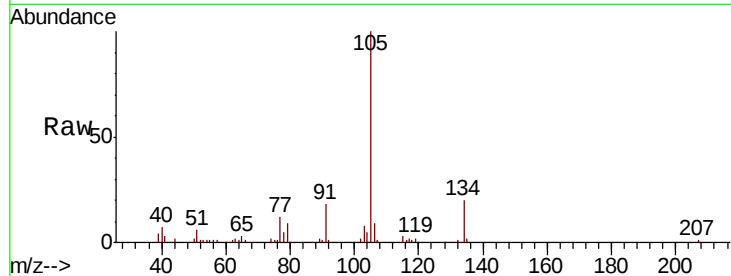
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:105 Resp: 82981

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.1



#86

p-Isopropyltoluene

Concen: 4.163 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065931.D

Acq: 07 Jul 2020 19:59

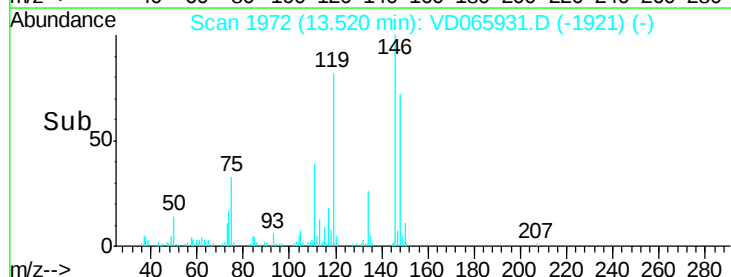
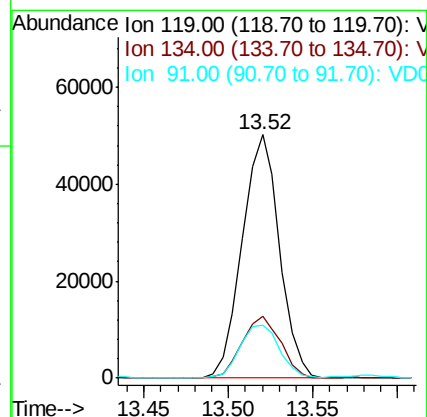
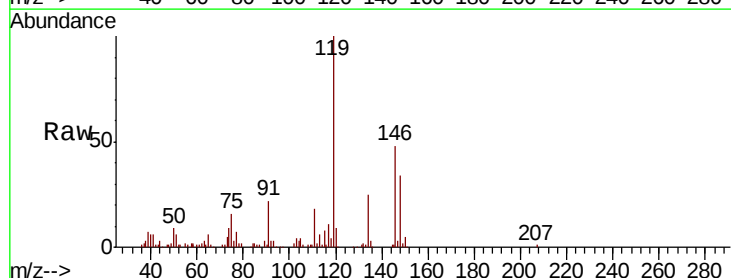
Tgt Ion:119 Resp: 77006

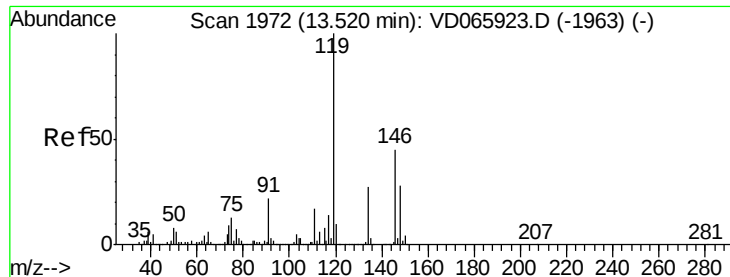
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 23.3 11.3 33.8

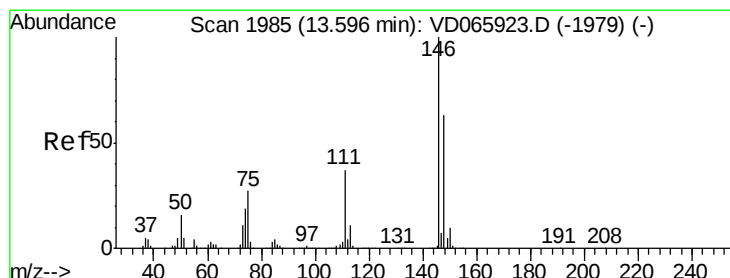
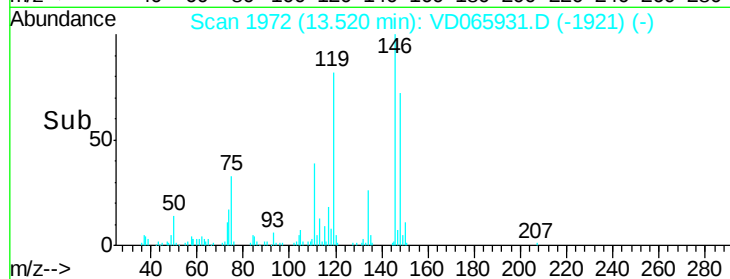
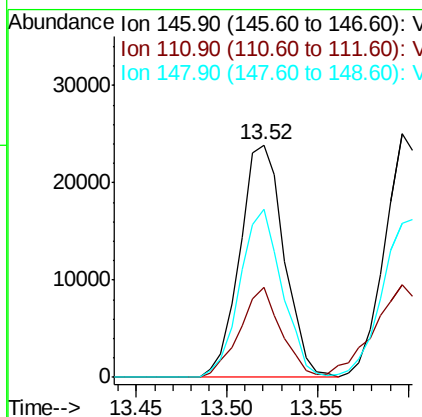
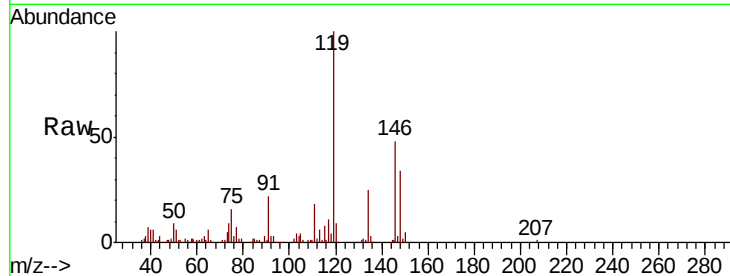




#87
 1,3-Dichlorobenzene
 Concen: 4.343 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

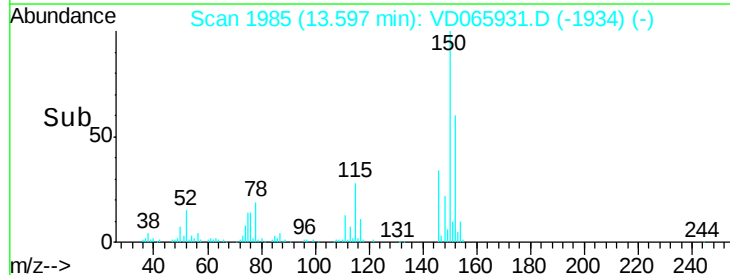
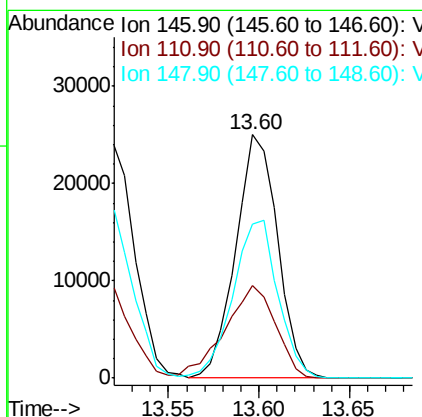
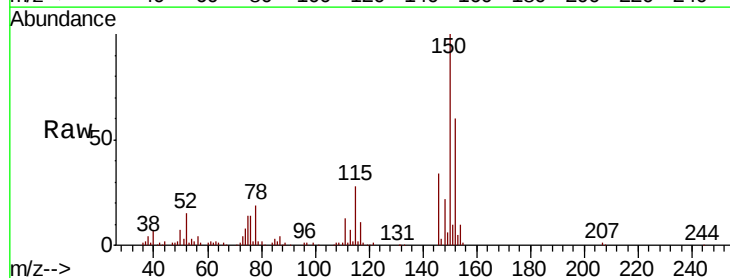
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

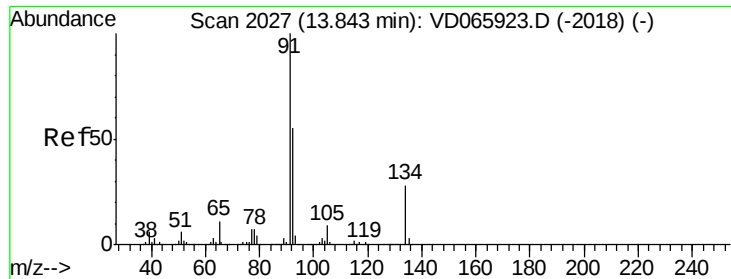
Tot Ion:146 Resp: 40365
 Ion Ratio Lower Upper
 146 100
 111 36.3 19.3 57.8
 148 69.6 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 4.341 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

Tgt Ion:146 Resp: 40249
 Ion Ratio Lower Upper
 146 100
 111 46.1 18.9 56.7
 148 69.6 32.1 96.3

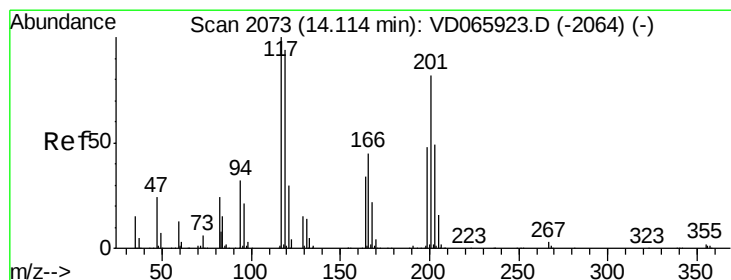
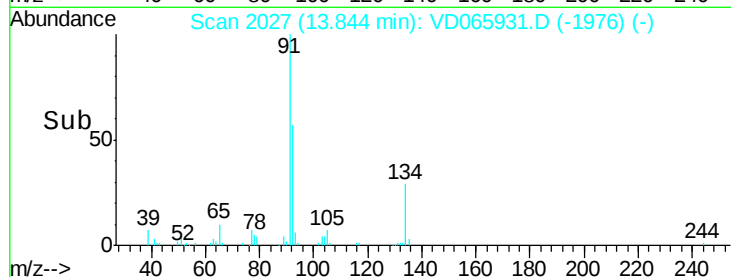
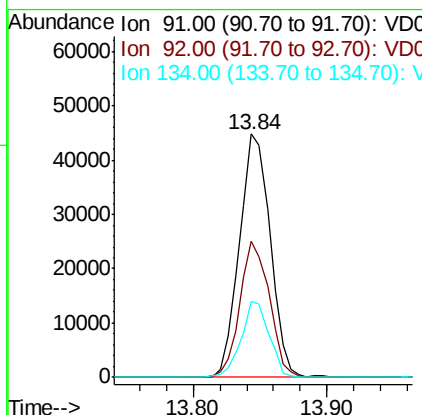
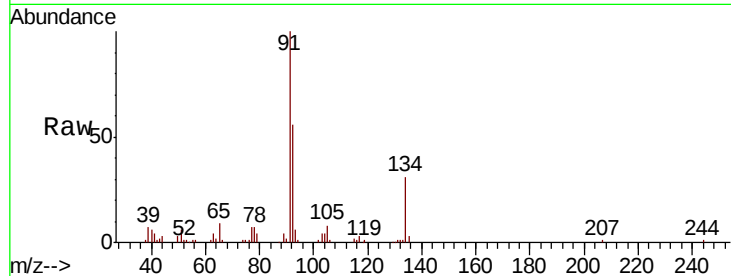




#89
n-Butylbenzene
Concen: 4.119 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

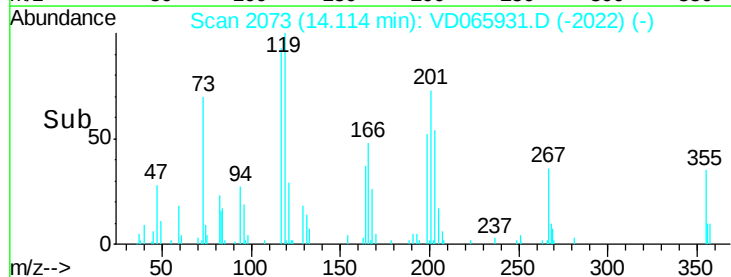
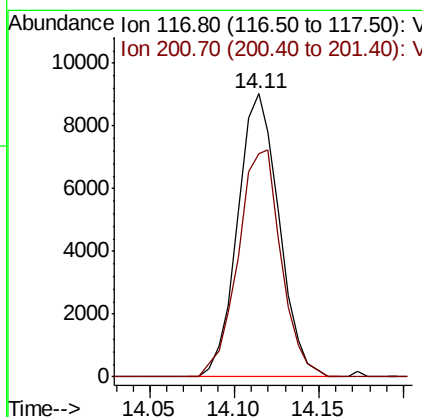
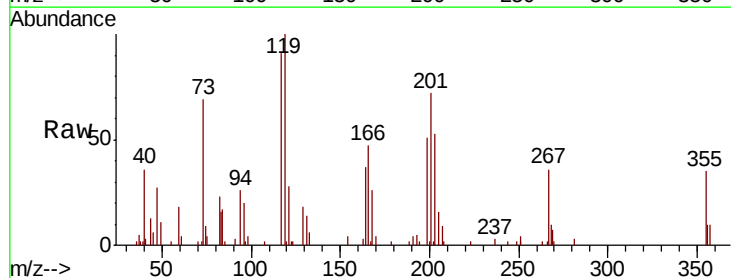
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

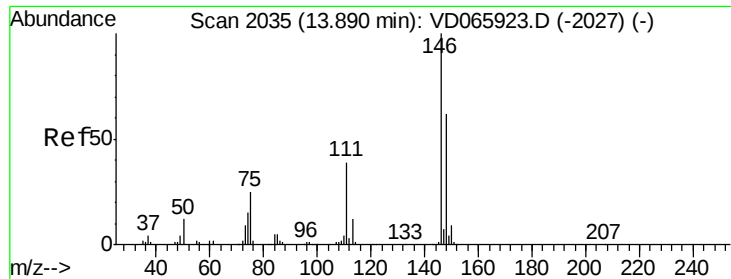
Tot Ion: 91 Resp: 71539
Ion Ratio Lower Upper
91 100
92 53.5 27.2 81.6
134 28.3 13.8 41.3



#90
Hexachloroethane
Concen: 4.135 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion: 117 Resp: 15424
Ion Ratio Lower Upper
117 100
201 83.3 40.0 120.0

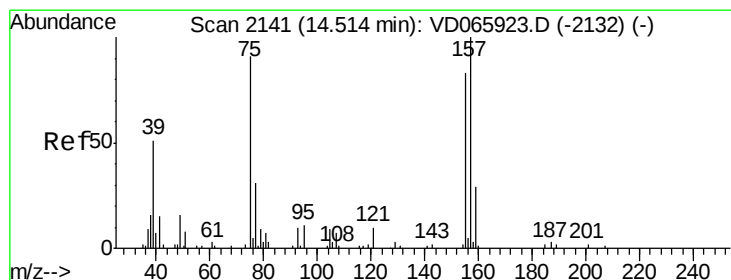
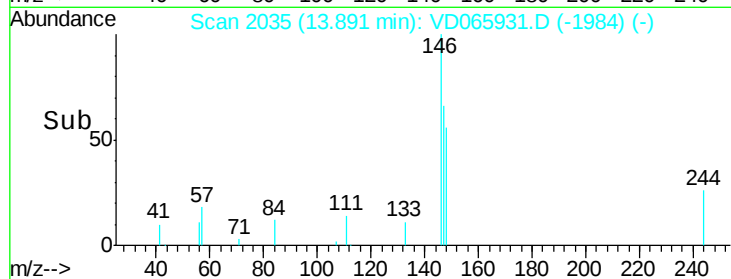
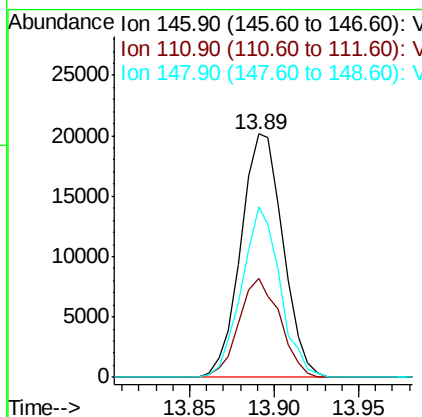
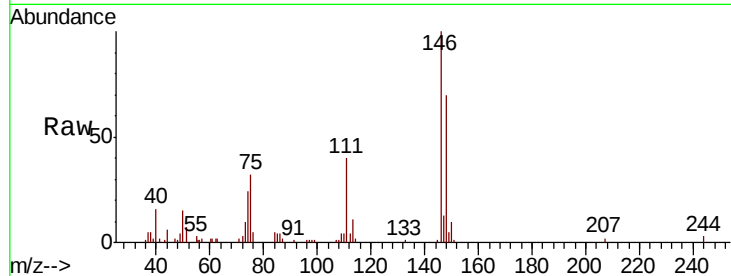




#91
 1,2-Dichlorobenzene
 Concen: 4.302 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

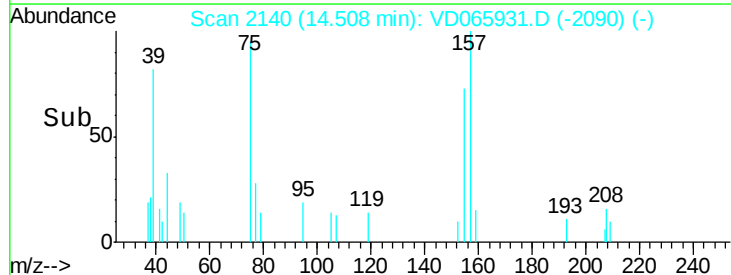
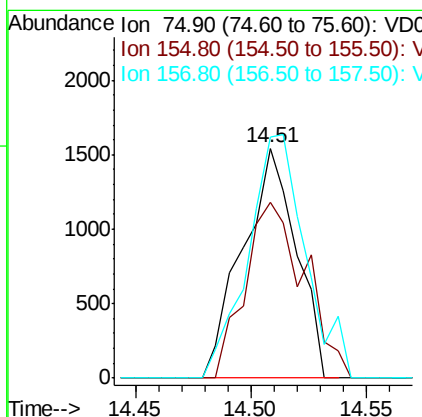
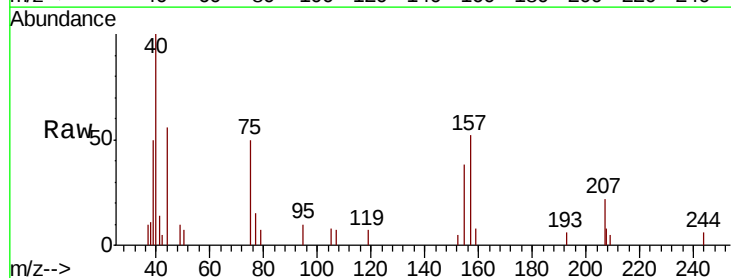
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

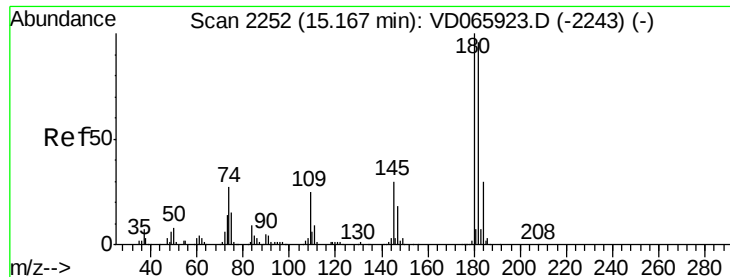
Tot Ion:146 Resp: 34946
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.7 59.0
 148 64.3 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.382 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

Tgt Ion: 75 Resp: 2491
 Ion Ratio Lower Upper
 75 100
 155 85.3 45.3 135.8
 157 113.7 56.9 170.6

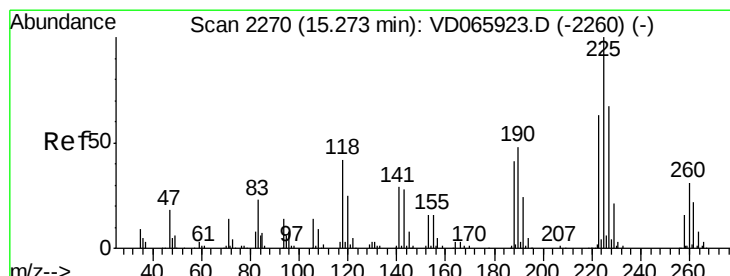
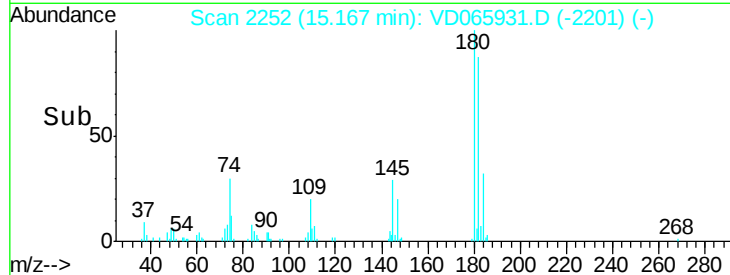
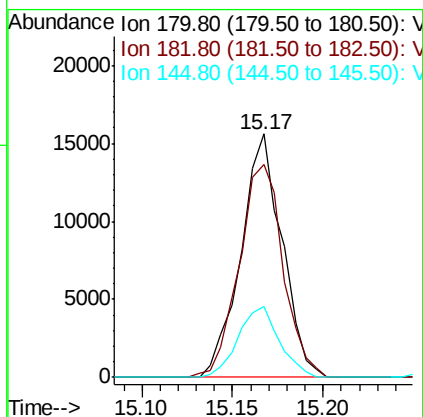
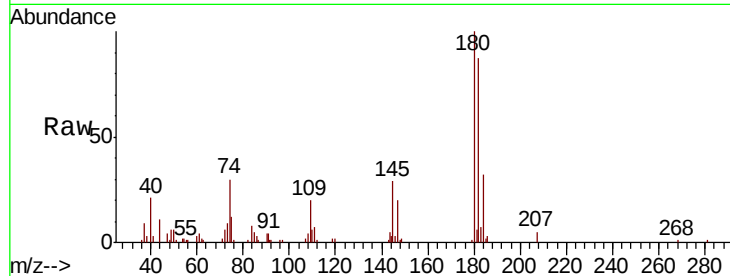




#93
 1,2,4-Trichlorobenzene
 Concen: 4.246 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

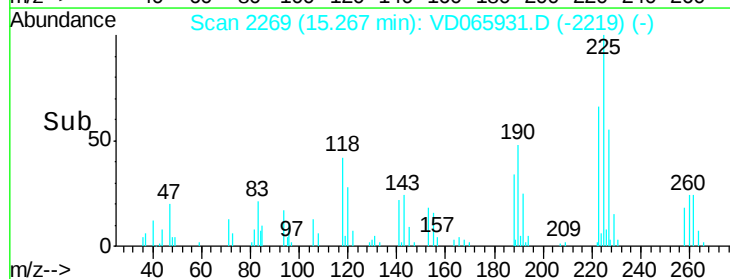
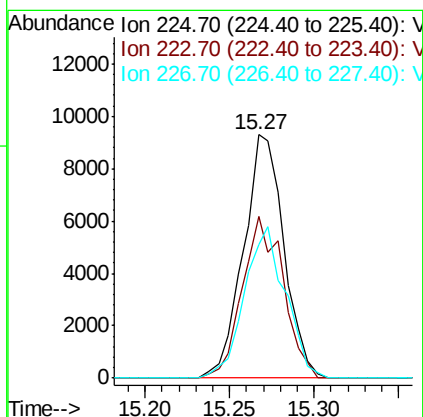
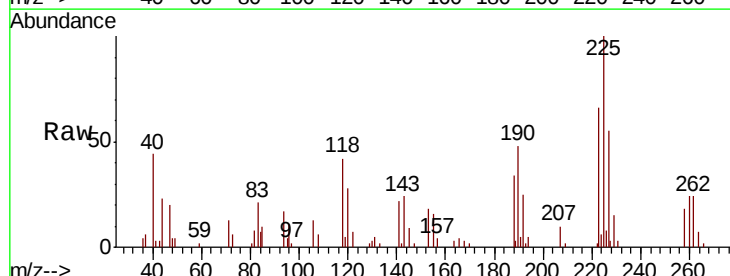
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

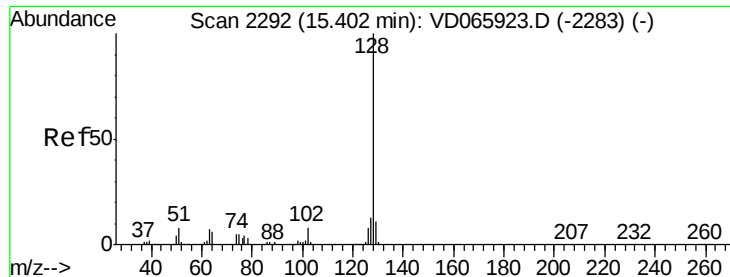
Tot Ion:180 Resp: 24582
 Ion Ratio Lower Upper
 180 100
 182 93.7 48.5 145.6
 145 29.2 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 4.436 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD065931.D
 Acq: 07 Jul 2020 19:59

Tgt Ion:225 Resp: 15535
 Ion Ratio Lower Upper
 225 100
 223 66.6 31.1 93.2
 227 62.9 31.6 95.0

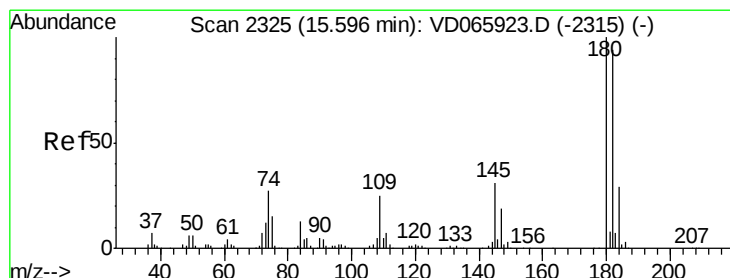
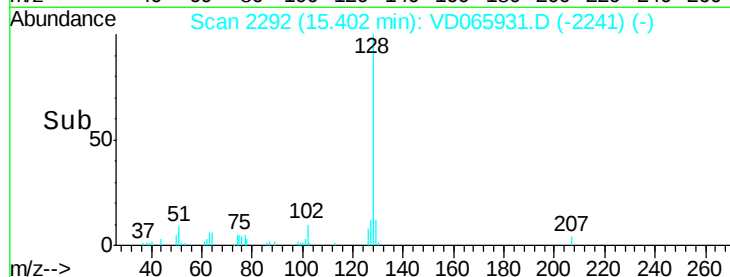
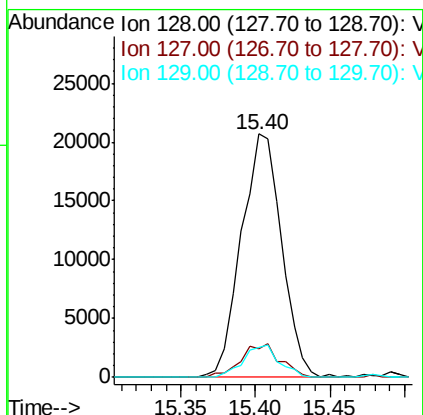
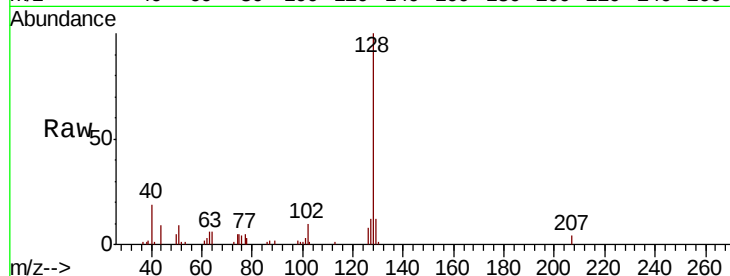




#95
Naphthalene
Concen: 3.990 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:128 Resp: 38742
Ion Ratio Lower Upper
128 100
127 13.2 10.8 16.2
129 11.7 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 4.334 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD065931.D
Acq: 07 Jul 2020 19:59

Tgt Ion:180 Resp: 21640
Ion Ratio Lower Upper
180 100
182 94.8 47.6 142.8
145 27.5 16.1 48.2

