

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066246.D
 Acq On : 14 Aug 2020 19:40
 Operator : VA/SY
 Sample : L3691-04
 Misc : 8.05G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S605-M-SO-1-1.5-081320

Quant Time: Aug 17 08:48:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	310607	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	471148	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	594030	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	353638	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	118145	42.63	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	85.26%	
35) Dibromofluoromethane	7.91	113	140685	47.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.28%	
50) Toluene-d8	10.33	98	592216	53.77	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.54%	
62) 4-Bromofluorobenzene	12.63	95	298526	75.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	150.38%	

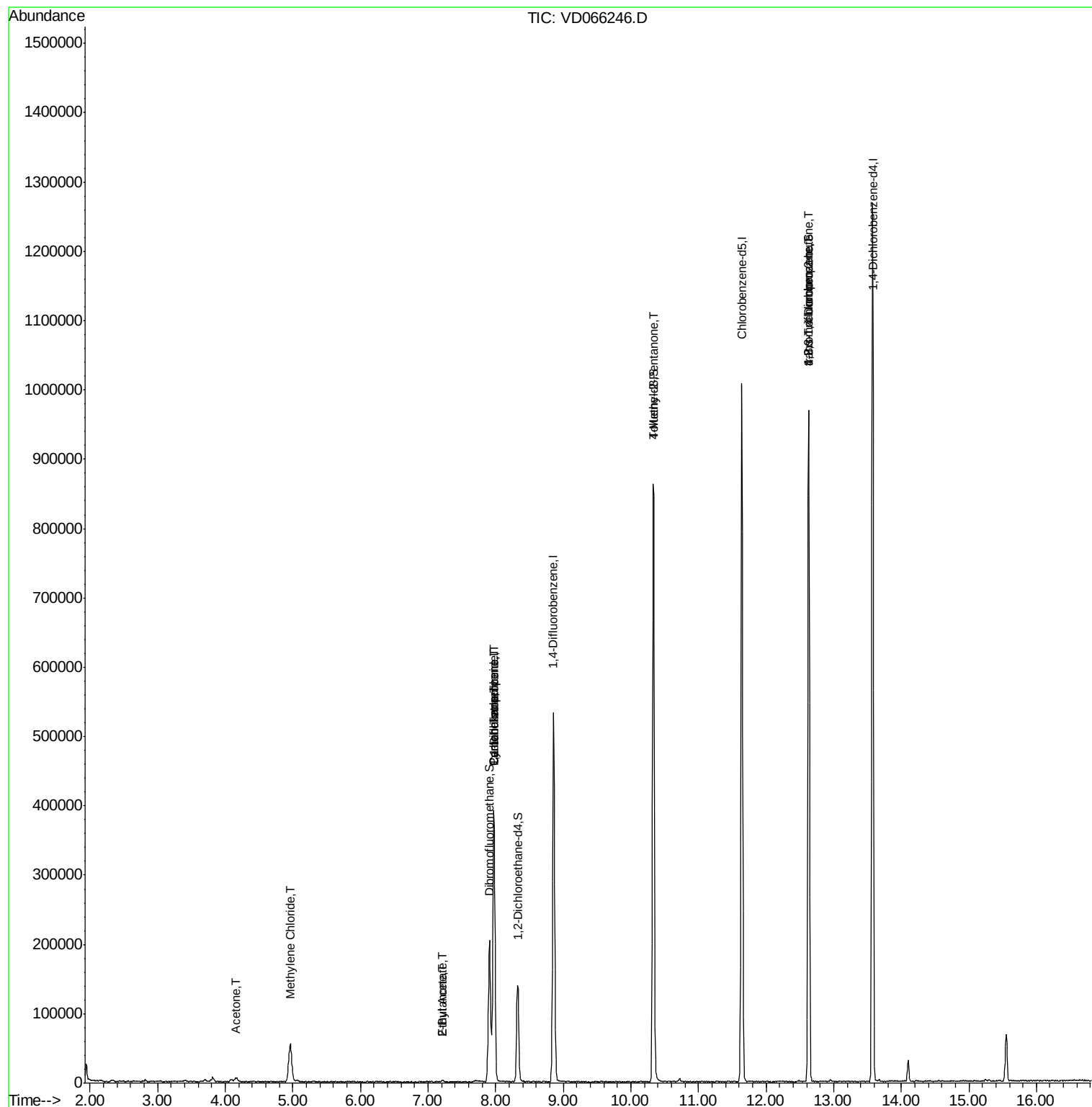
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	55	Below Cal	#	76
16) Acetone	4.16	43	10673	20.299	ug/l #	85
20) Methylene Chloride	4.96	84	41924	10.168	ug/l	94
25) 2-Butanone	7.20	43	2626	3.396	ug/l	96
31) Cyclohexane	7.97	56	6084	1.253	ug/l #	23
36) 1,1-Dichloropropene	7.97	75	20135	4.548	ug/l #	51
37) Ethyl Acetate	7.20	43	2626	1.497	ug/l #	66
38) Carbon Tetrachloride	7.97	117	29504	5.976	ug/l #	12
51) 4-Methyl-2-Pentanone	10.33	43	2606	1.468	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	153711	52.121	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	153711	115.218	ug/l #	13

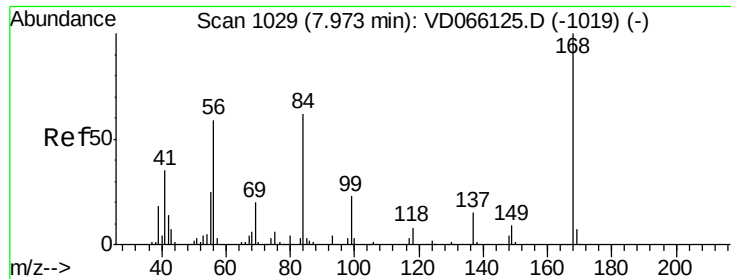
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066246.D

Acq: 14 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

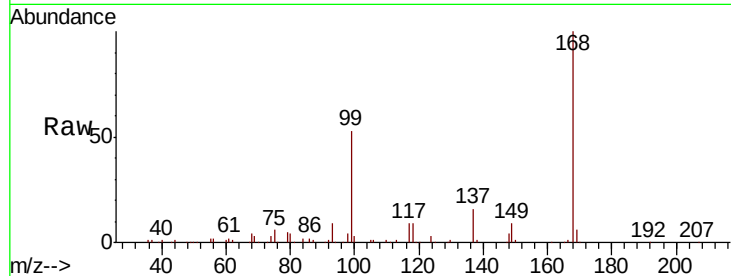
S605-M-SO-1-1.5-081320

Tot Ion:168 Resp: 310607

Ion Ratio Lower Upper

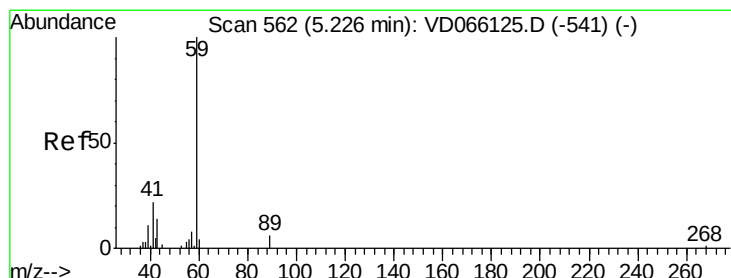
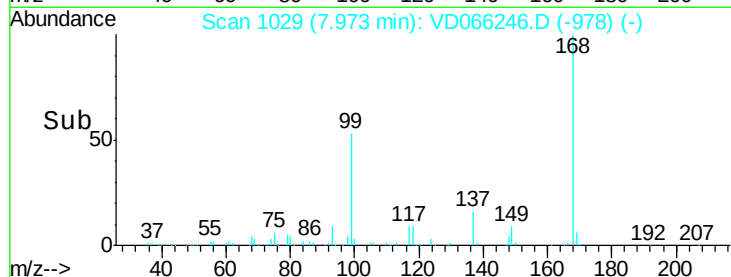
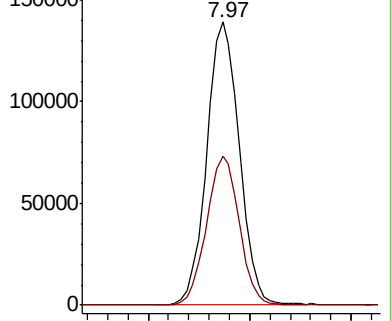
168 100

99 52.7 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD066246.D

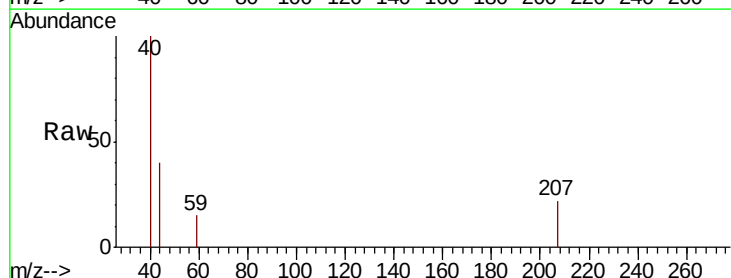
Acq: 14 Aug 2020 19:40

Tgt Ion: 59 Resp: 55

Ion Ratio Lower Upper

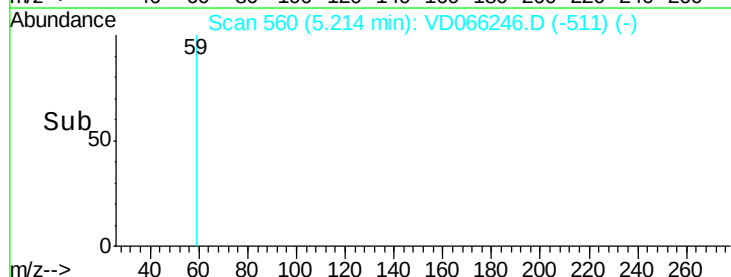
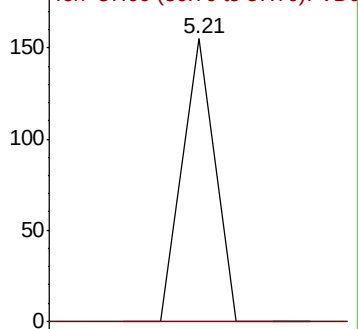
59 100

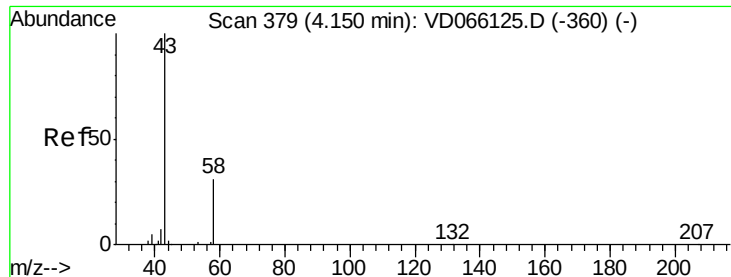
57 0.0 7.0 10.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#16

Acetone

Concen: 20.299 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066246.D

Acq: 14 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

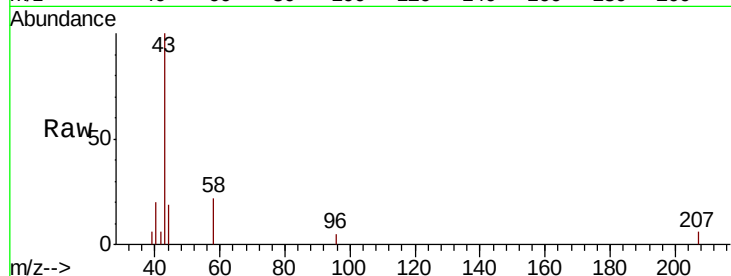
S605-M-SO-1-1.5-081320

Tot Ion: 43 Resp: 10673

Ion Ratio Lower Upper

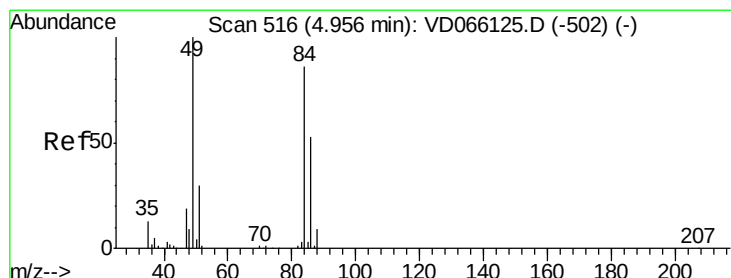
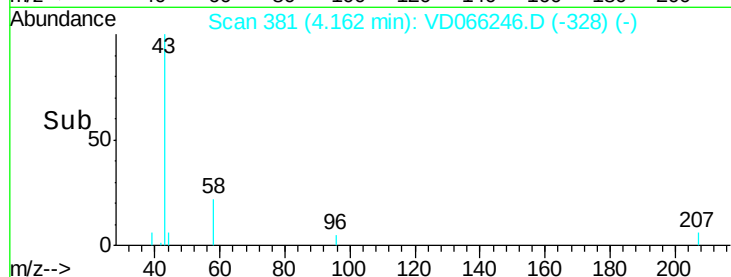
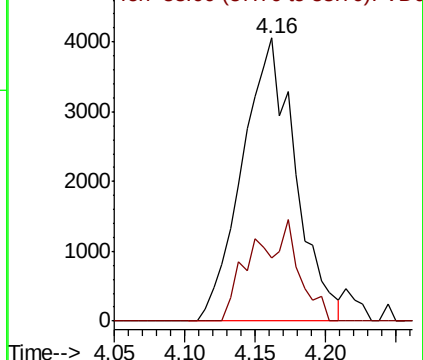
43 100

58 22.5 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#20

Methylene Chloride

Concen: 10.168 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066246.D

Acq: 14 Aug 2020 19:40

Tgt Ion: 84 Resp: 41924

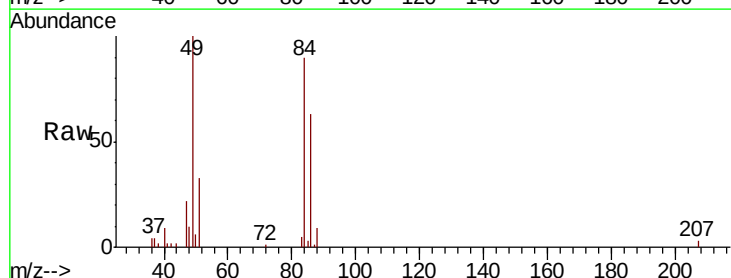
Ion Ratio Lower Upper

84 100

49 110.6 93.5 140.3

51 36.4 28.2 42.4

86 69.4 49.5 74.3

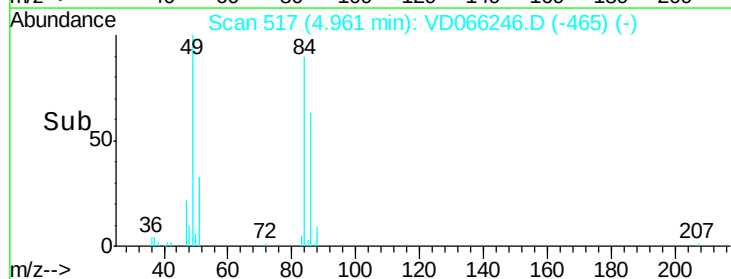
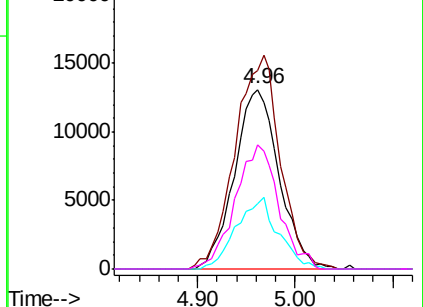


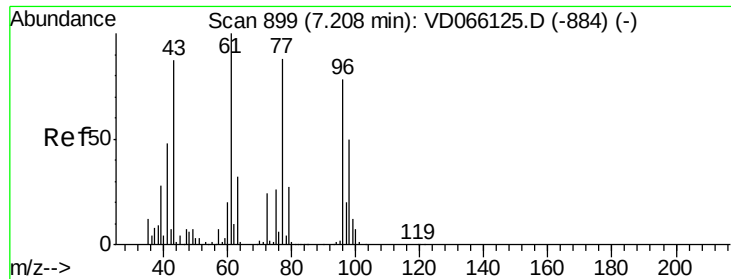
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 3.396 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066246.D

Acq: 14 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

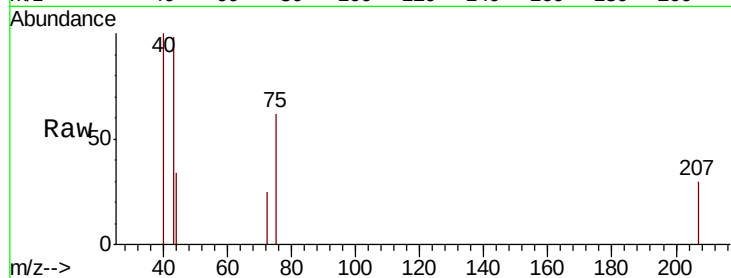
S605-M-SO-1-1.5-081320

Tot Ion: 43 Resp: 2626

Ion Ratio Lower Upper

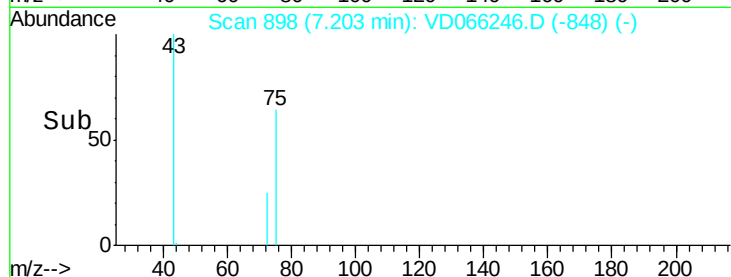
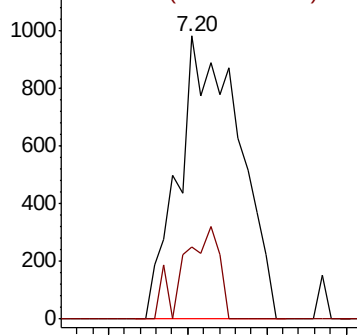
43 100

72 25.4 22.2 33.2

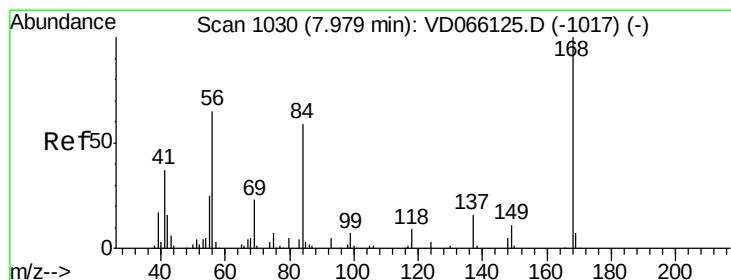


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#31

Cyclohexane

Concen: 1.253 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066246.D

Acq: 14 Aug 2020 19:40

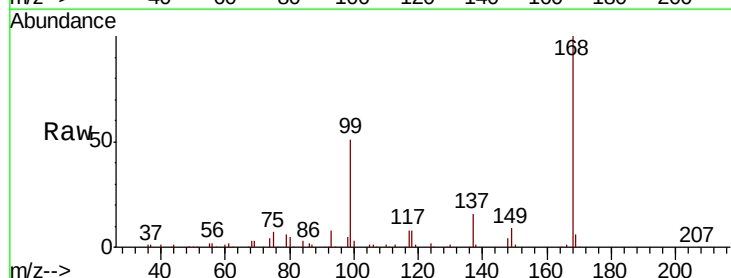
Tgt Ion: 56 Resp: 6084

Ion Ratio Lower Upper

56 100

69 148.7 28.8 43.2#

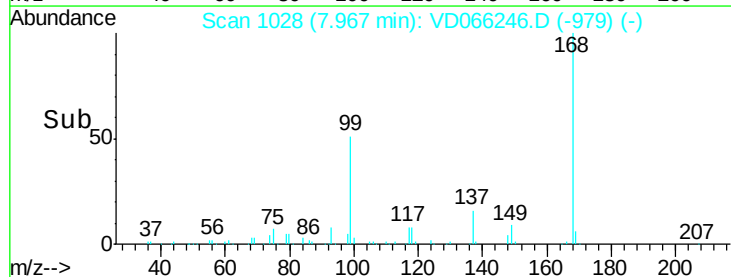
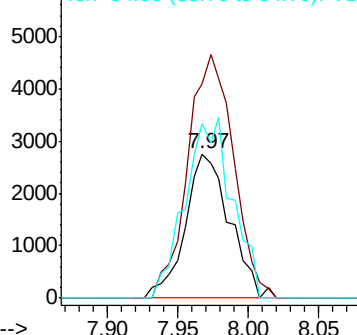
84 121.0 73.0 109.6#



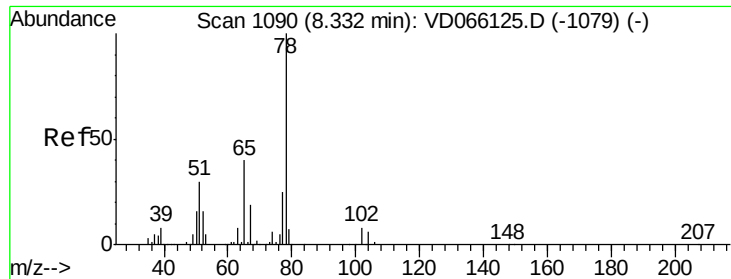
Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



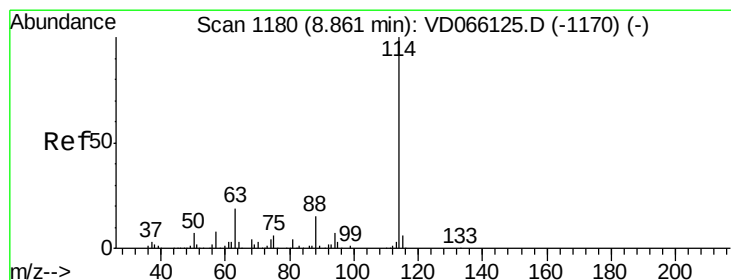
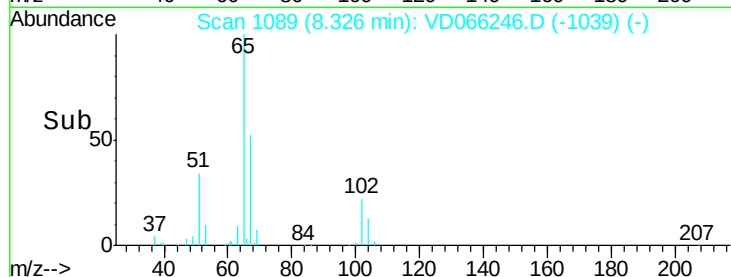
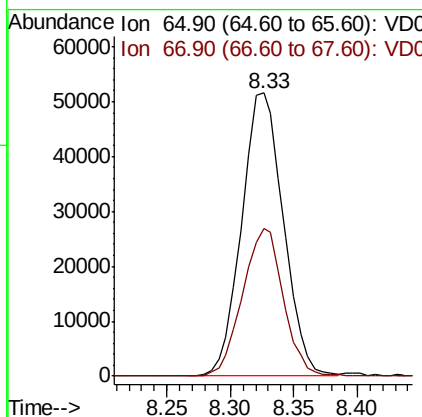
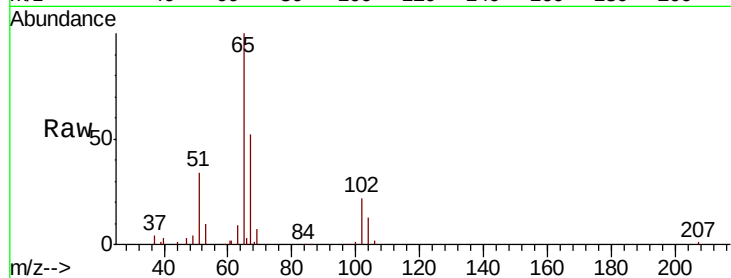
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 42.635 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066246.D
 Acq: 14 Aug 2020 19:40

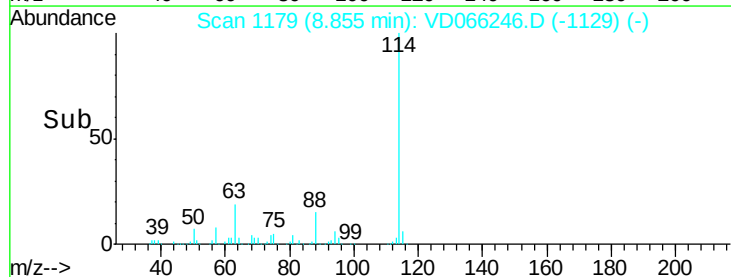
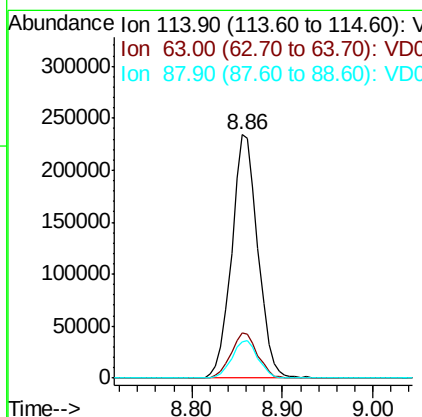
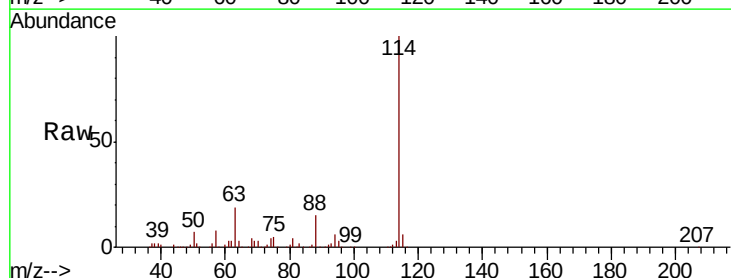
Instrument :
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 S605-M-SO-1-1.5-081320

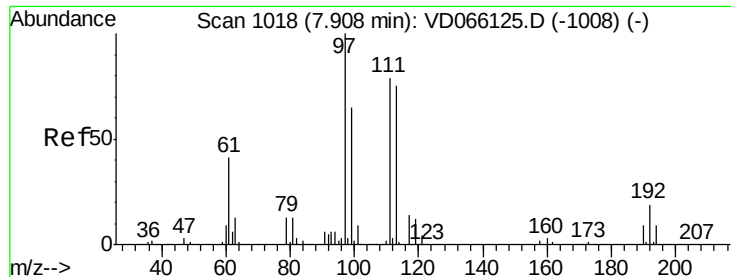
Tot Ion: 65 Resp: 118145
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066246.D
 Acq: 14 Aug 2020 19:40

Tgt Ion: 114 Resp: 471148
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 38.6
 88 14.8 0.0 30.0

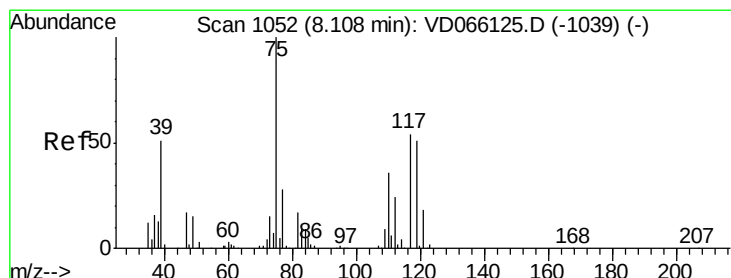
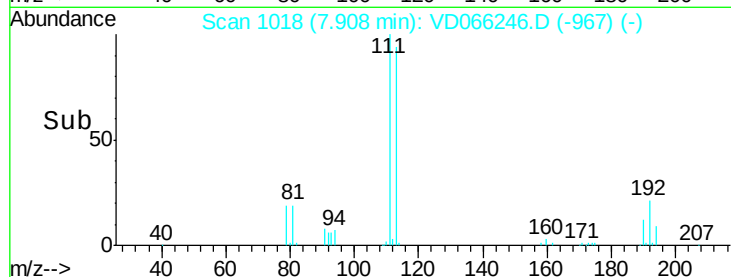
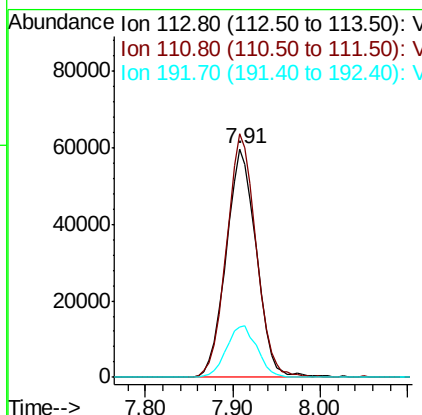
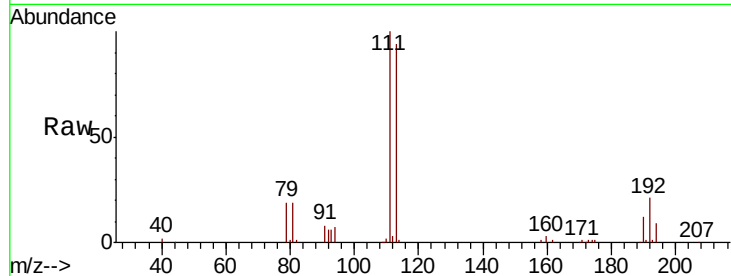




#35
 Dibromofluoromethane
 Concen: 47.136 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066246.D
 Acq: 14 Aug 2020 19:40

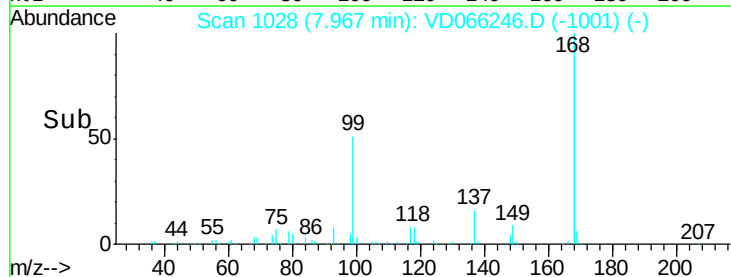
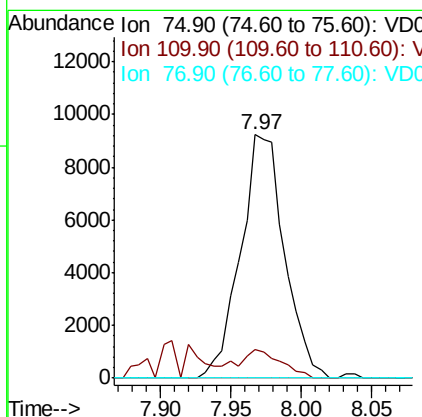
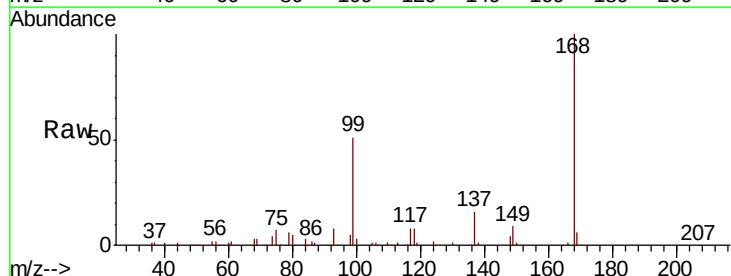
Instrument :
 MSVOA_D
 ClientSampleId :
 S605-M-SO-1-1.5-081320

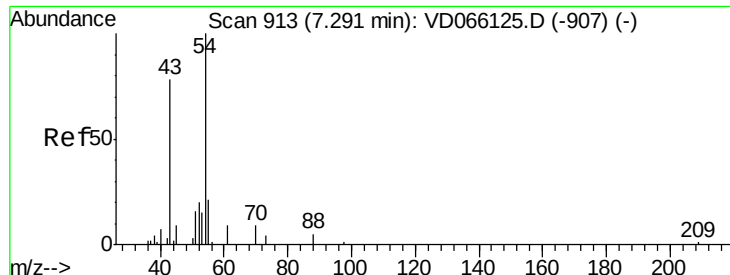
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	80.7	121.1
192	22.8	18.4	27.6



#36
 1,1-Dichloropropene
 Concen: 4.548 ug/l
 RT: 7.97 min Scan# 1028
 Delta R.T. -0.14 min
 Lab File: VD066246.D
 Acq: 14 Aug 2020 19:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.2	18.8	56.3#
77	0.0	24.2	36.2#

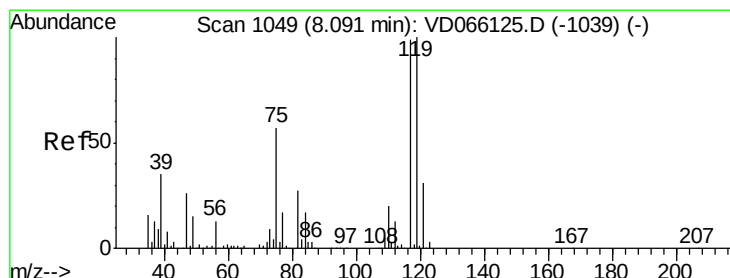
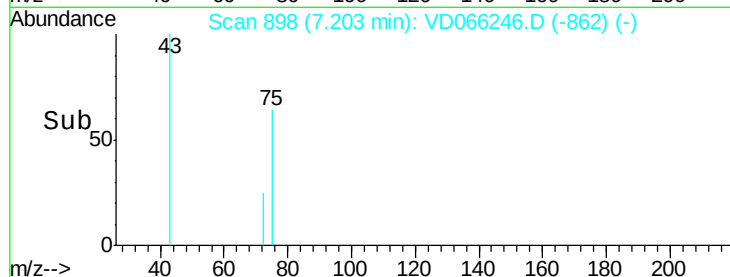
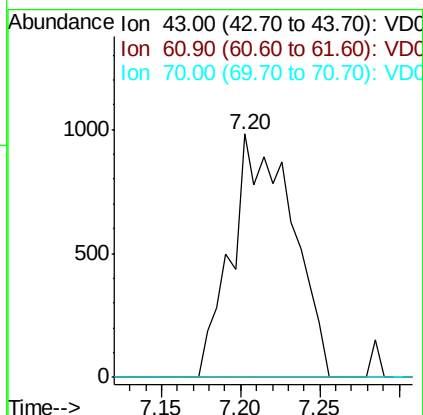
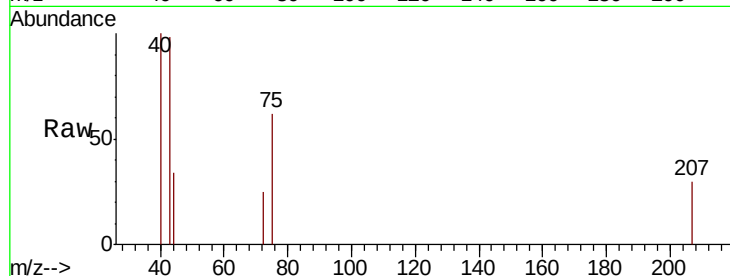




#37
Ethyl Acetate
Concen: 1.497 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.09 min
Lab File: VD066246.D
Acq: 14 Aug 2020 19:40

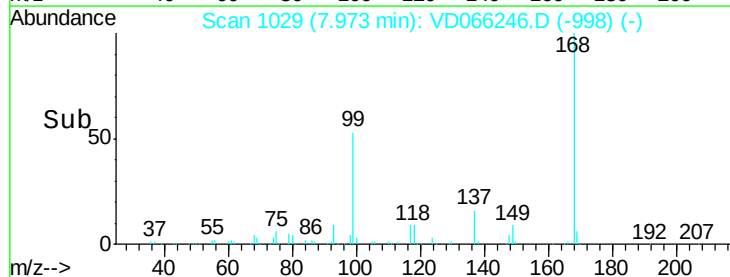
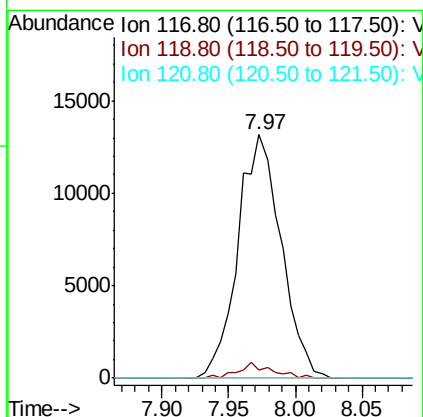
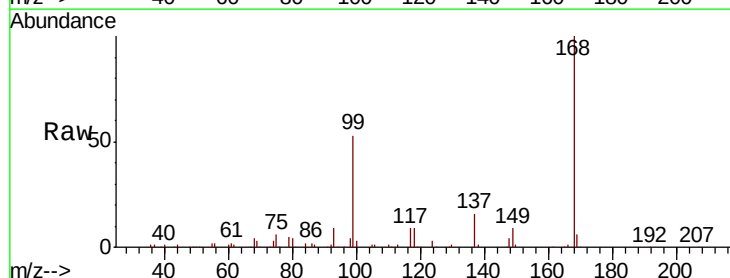
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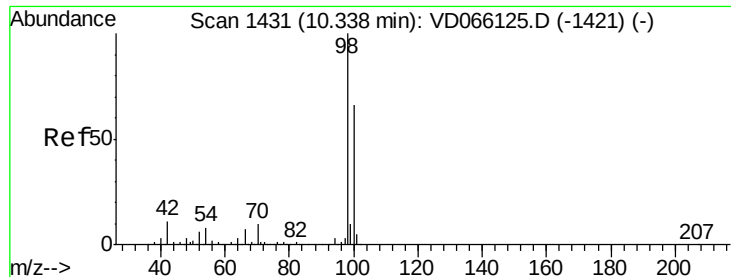
Tot Ion: 43 Resp: 2626
Ion Ratio Lower Upper
43 100
61 0.0 12.0 18.0#
70 0.0 9.7 14.5#



#38
Carbon Tetrachloride
Concen: 5.976 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066246.D
Acq: 14 Aug 2020 19:40

Tgt Ion: 117 Resp: 29504
Ion Ratio Lower Upper
117 100
119 3.4 81.0 121.4#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 53.769 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. -0.01 min

Lab File: VD066246.D

Acq: 14 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

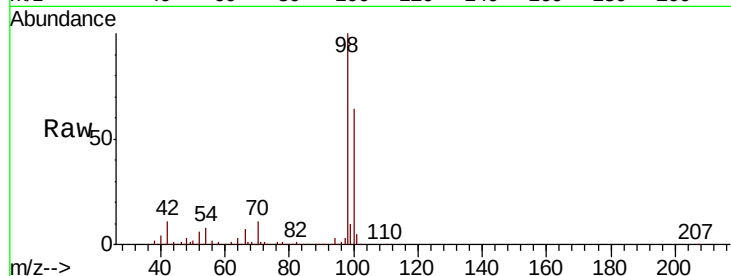
S605-M-SO-1-1.5-081320

Tot Ion: 98 Resp: 592216

Ion Ratio Lower Upper

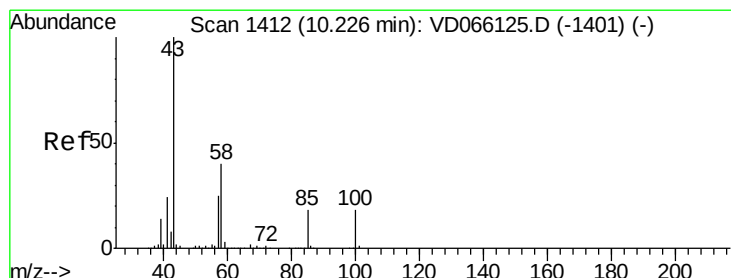
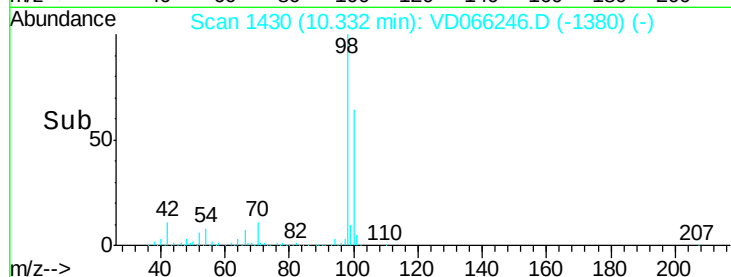
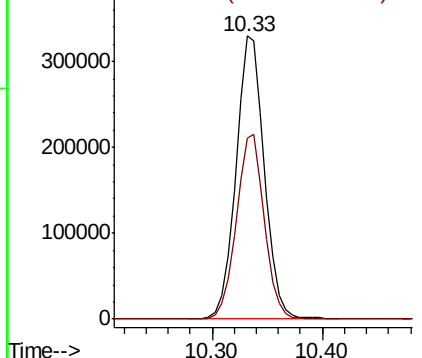
98 100

100 64.9 52.6 78.8



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: 1.468 ug/l

RT: 10.33 min Scan# 1430

Delta R.T. 0.11 min

Lab File: VD066246.D

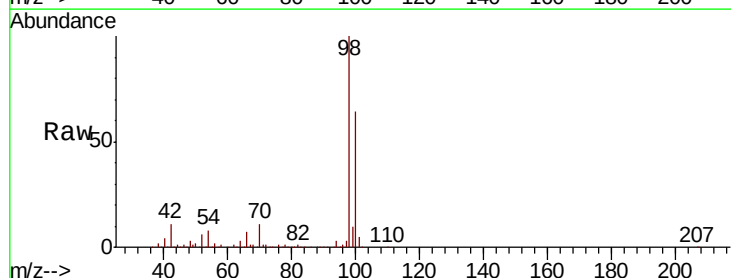
Acq: 14 Aug 2020 19:40

Tgt Ion: 43 Resp: 2606

Ion Ratio Lower Upper

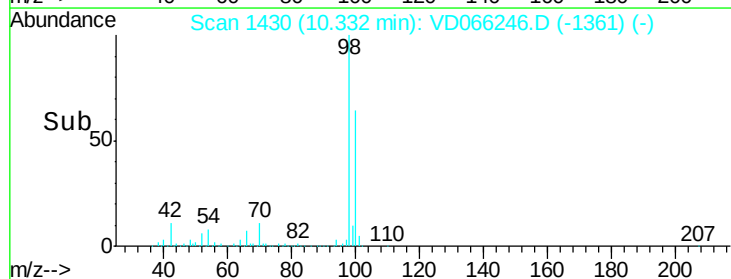
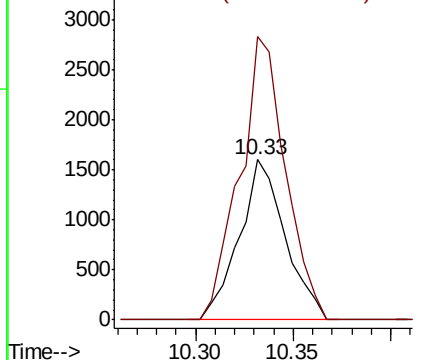
43 100

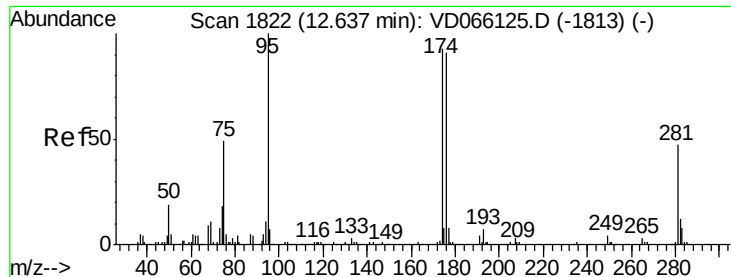
58 176.8 31.1 46.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

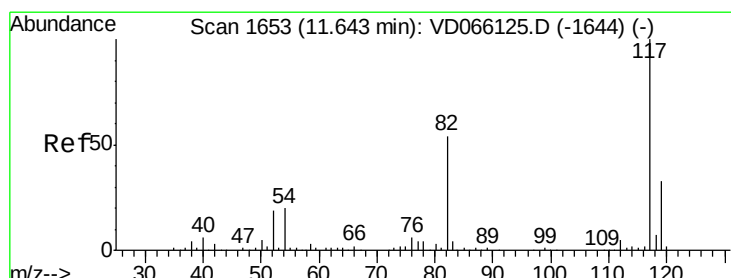
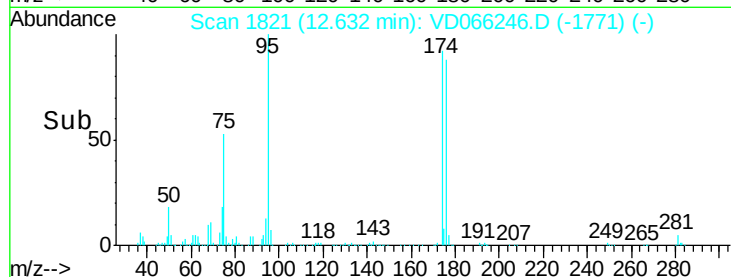
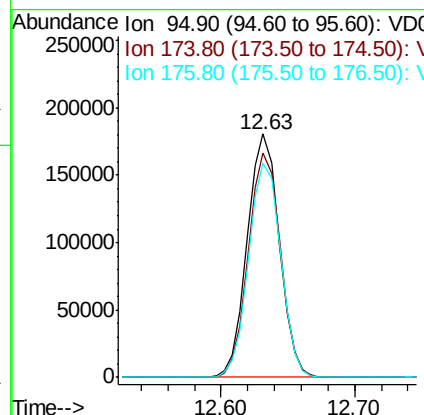
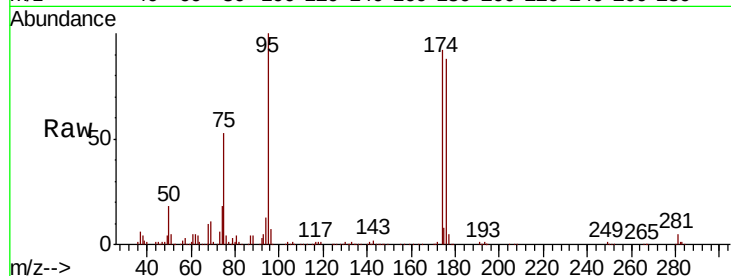




#62
4-Bromofluorobenzene
Concen: 75.192 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066246.D
Acq: 14 Aug 2020 19:40

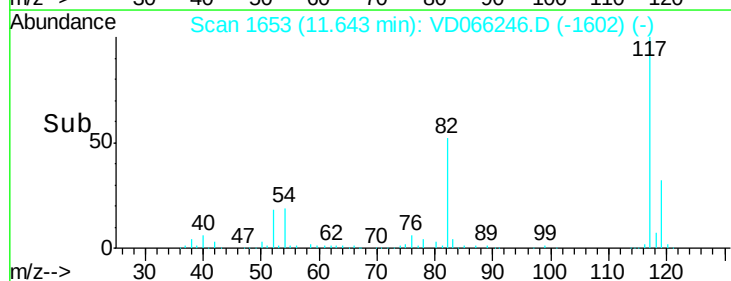
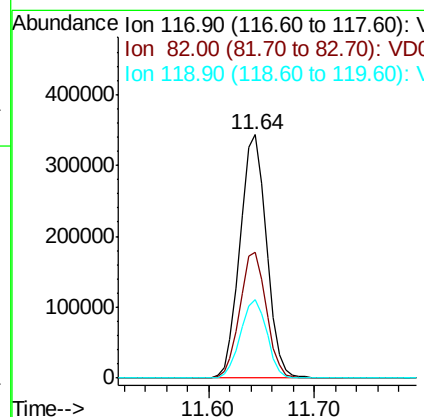
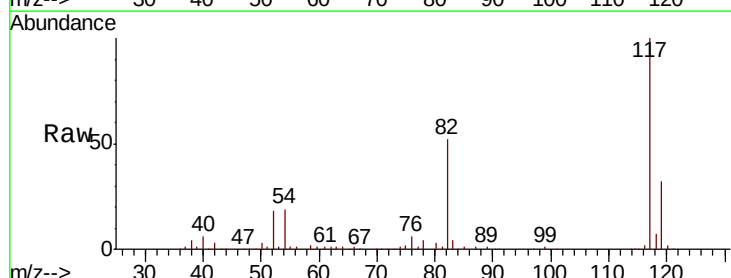
Instrument :
MSVOA_D
ClientSampleId :
S605-M-SO-1-1.5-081320

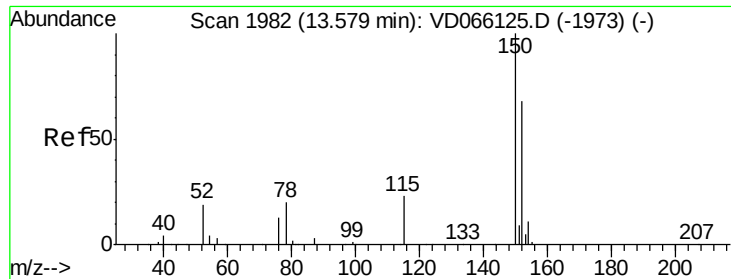
Tot Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	180.8
176	88.5	0.0	181.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066246.D
Acq: 14 Aug 2020 19:40

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.6	43.0	64.4
119	32.0	26.1	39.1

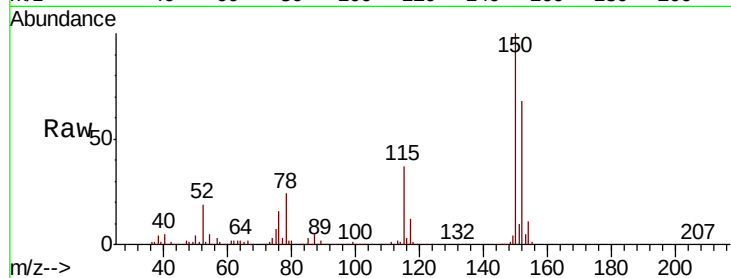




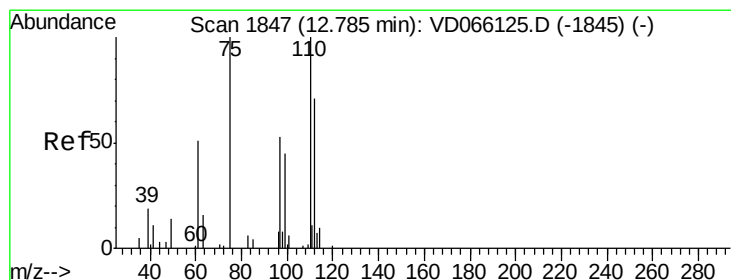
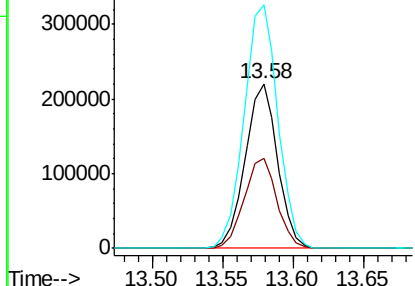
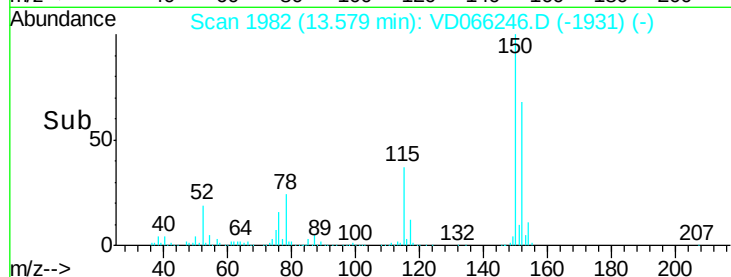
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.58 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VD066246.D
 Acq: 14 Aug 2020 19:40

Instrument :
 MSVOA_D
 ClientSampleId :
 S605-M-SO-1-1.5-081320

Tot Ion:152 Resp: 353638
 Ion Ratio Lower Upper
 152 100
 115 55.3 28.0 83.9
 150 154.6 0.0 346.4

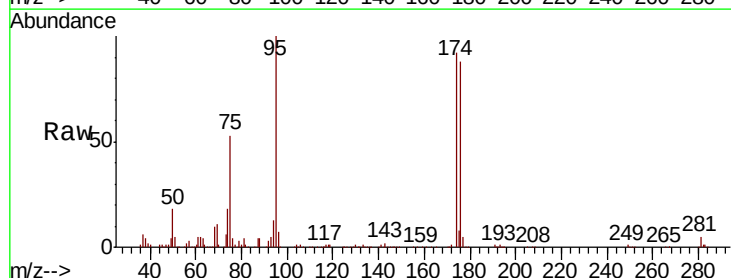


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

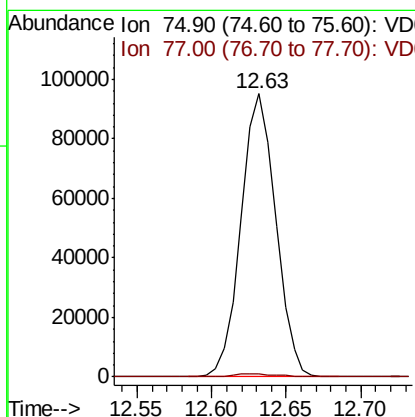
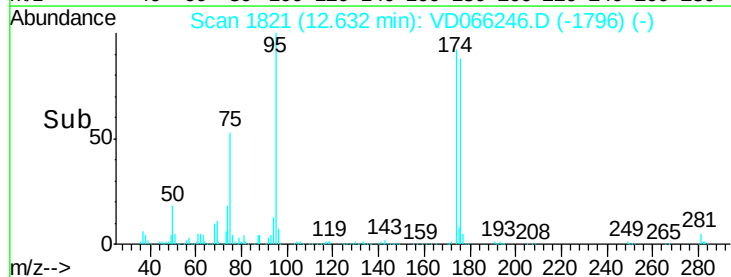


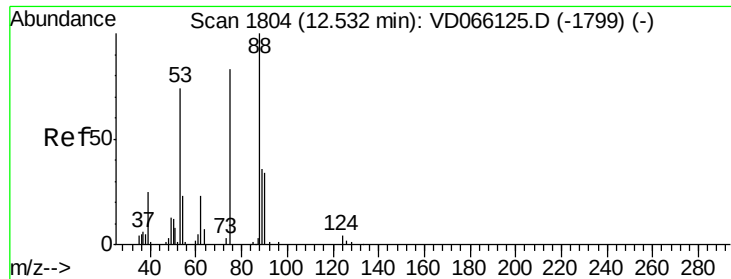
#76
 1,2,3-Trichloropropane
 Concen: 52.121 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066246.D
 Acq: 14 Aug 2020 19:40

Tgt Ion: 75 Resp: 153711
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 77.00 (76.70 to 77.70): VDC





#81

trans-1,4-Dichloro-2-butene

Concen: 115.218 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066246.D

Acq: 14 Aug 2020 19:40

Instrument :

MSVOA_D

ClientSampleId :

S605-M-SO-1-1.5-081320

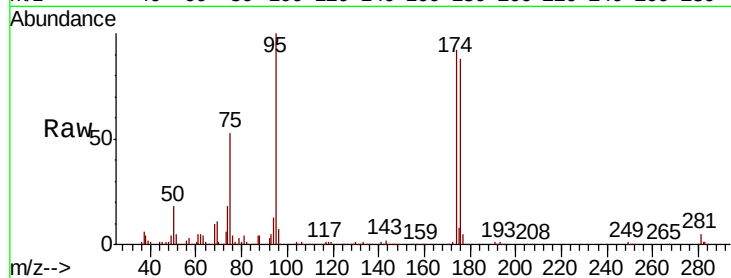
Tot Ion: 75 Resp: 153711

Ion Ratio Lower Upper

75 100

53 0.1 73.4 110.2#

89 0.1 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

