

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
 Data File : VD066828.D
 Acq On : 23 Sep 2020 12:16
 Operator : VA/SY
 Sample : L3870-11
 Misc : 8.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-092220

Quant Time: Sep 23 15:01:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 23 01:34:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	385502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	710273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	677259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	245400	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	220033	58.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.64%	
35) Dibromofluoromethane	7.91	113	228577	50.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.16%	
50) Toluene-d8	10.34	98	854959	55.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.06%	
62) 4-Bromofluorobenzene	12.63	95	274813	52.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.28%	

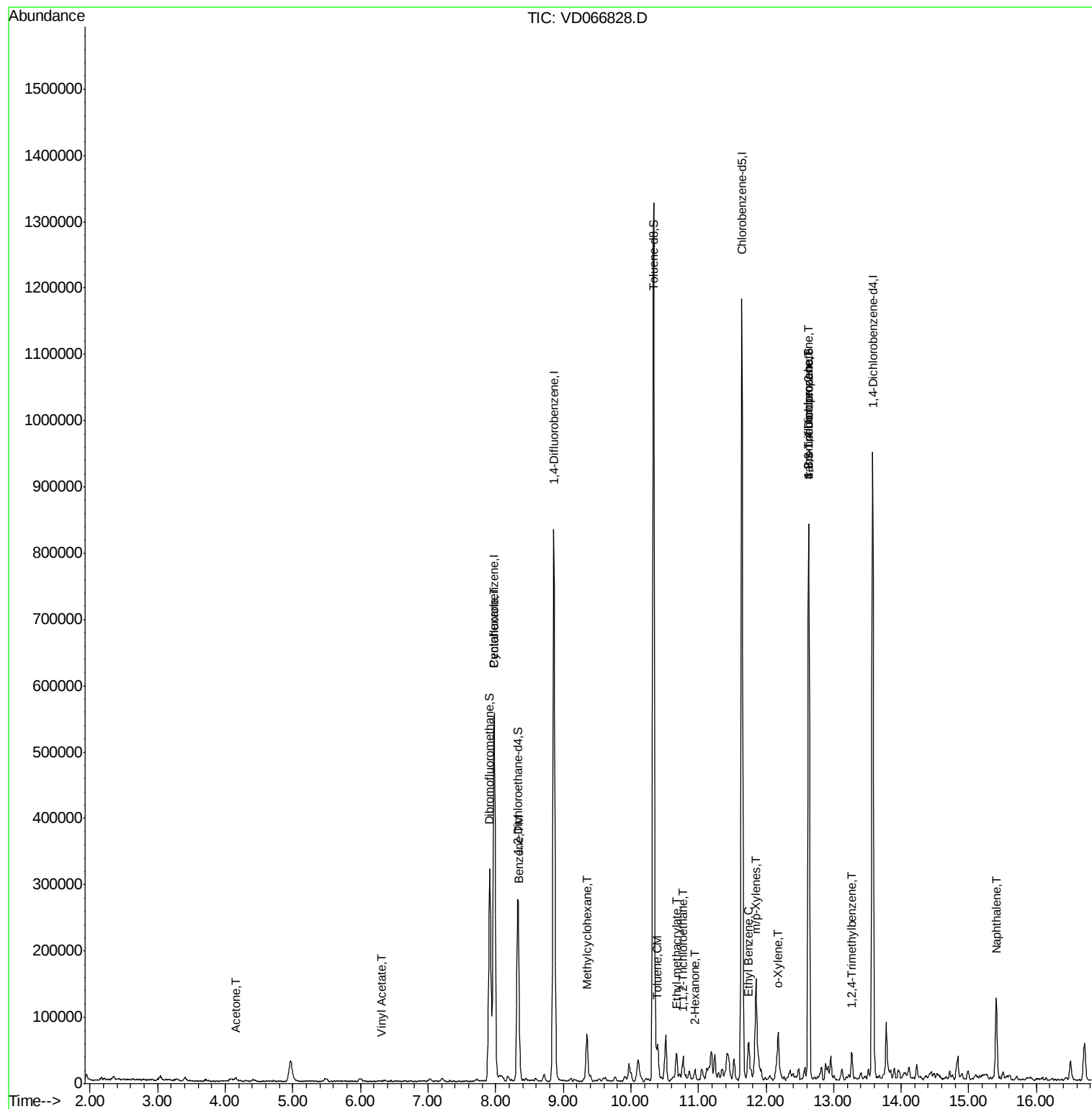
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	1451	Below Cal		89
11) Tert butyl alcohol	5.21	59	264	Below Cal	#	72
16) Acetone	4.16	43	7192	8.985	ug/l #	86
18) Methyl Acetate	4.71	43	95	Below Cal	#	50
20) Methylene Chloride	4.97	84	23582	Below Cal		97
23) Vinyl Acetate	6.31	43	814	2.802	ug/l #	71
31) Cyclohexane	7.98	56	17468	2.546	ug/l #	56
39) Methylcyclohexane	9.35	83	25533	3.156	ug/l	98
40) Benzene	8.34	78	20545	1.046	ug/l #	90
49) 1,4-Dioxane	9.48	88	62	Below Cal	#	1
52) Toluene	10.40	92	19470	1.539	ug/l	95
55) 1,1,2-Trichloroethane	10.77	97	12997	3.522	ug/l #	22
56) Ethyl methacrylate	10.67	69	5015	1.268	ug/l #	20
59) 2-Hexanone	10.95	43	7533	4.489	ug/l #	26
67) Ethyl Benzene	11.74	91	31768	1.283	ug/l	94
68) m/p-Xylenes	11.85	106	35480	3.785	ug/l	92
69) o-Xylene	12.18	106	16385	1.933	ug/l	86
76) 1,2,3-Trichloropropane	12.63	75	146336	71.956	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	146336	180.028	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.27	105	21033	1.410	ug/l	93
95) Naphthalene	15.41	128	107385	14.337	ug/l	99

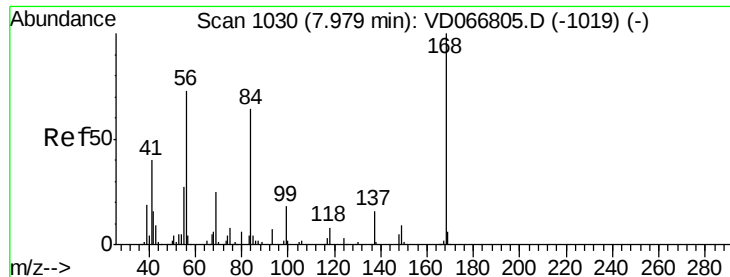
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD092320\
Data File : VD066828.D
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Sample : L3870-11
Misc : 8.12G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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Quant Title : SW846 8260
QLast Update : Wed Sep 23 01:34:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066828.D

Acq: 23 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

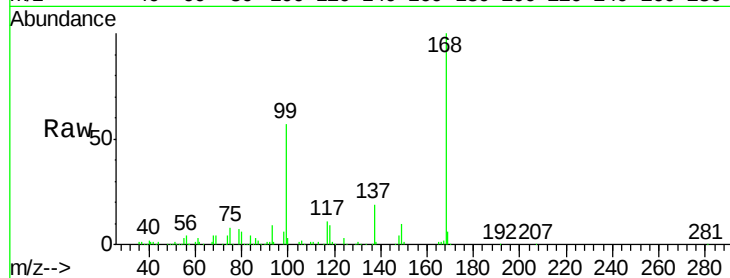
SU-02-092220

Tgt Ion:168 Resp: 385502

Ion Ratio Lower Upper

168 100

99 56.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

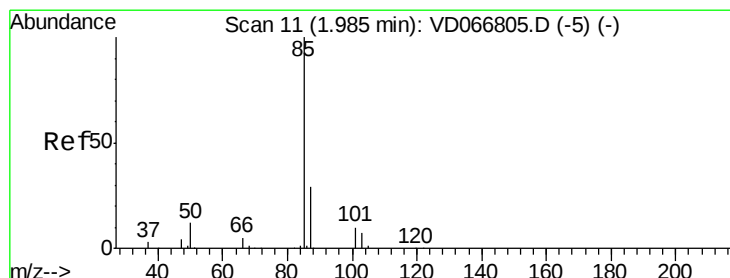
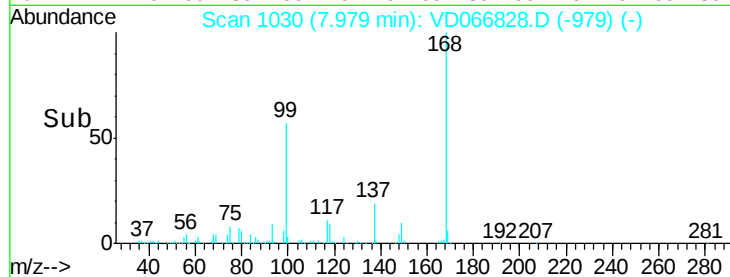
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066828.D

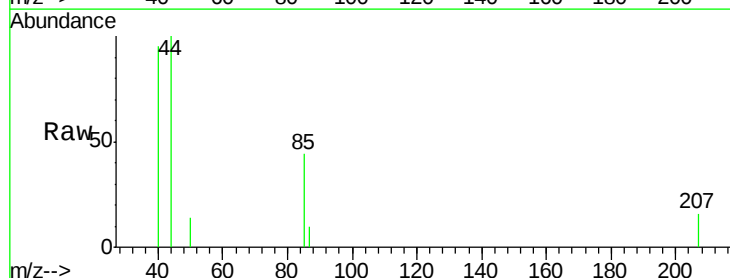
Acq: 23 Sep 2020 12:16

Tgt Ion: 85 Resp: 1451

Ion Ratio Lower Upper

85 100

87 23.2 14.5 43.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

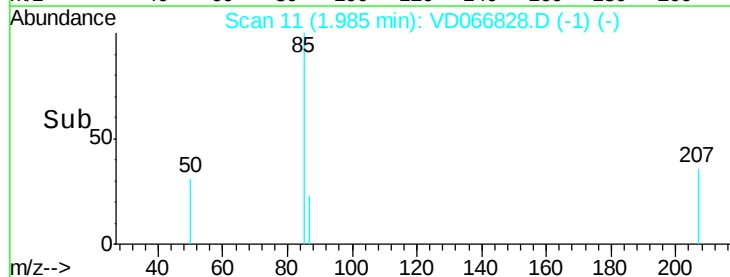
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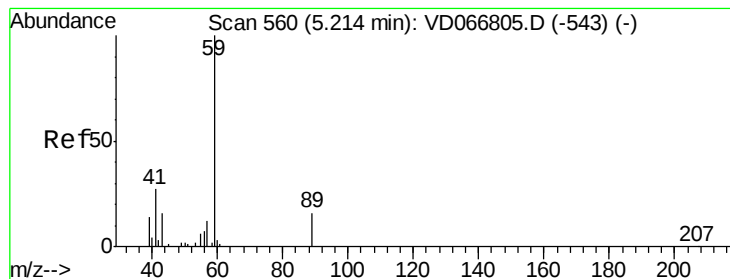
1000

500

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Time-->



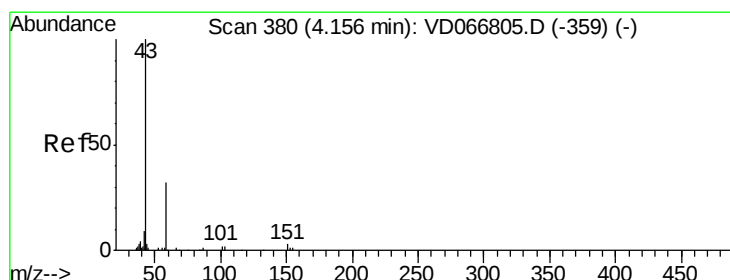
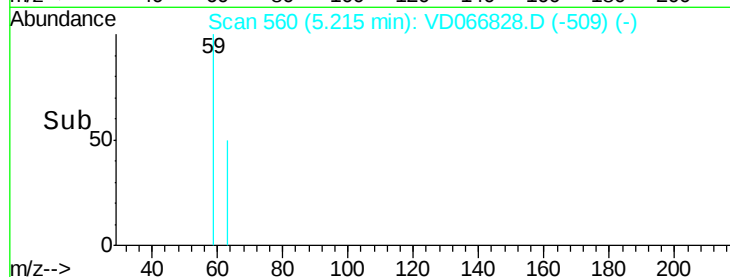
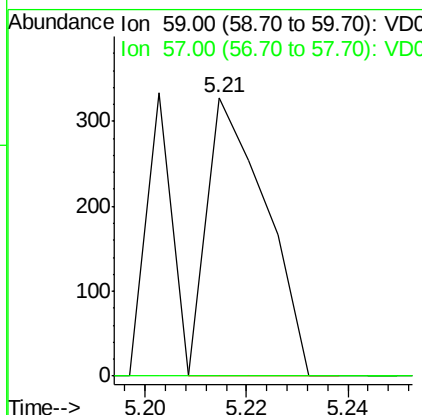
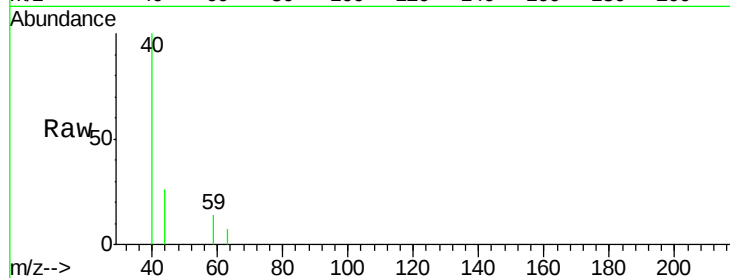


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 560
 Delta R.T. 0.00 min
 Lab File: VD066828.D
 Acq: 23 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-092220

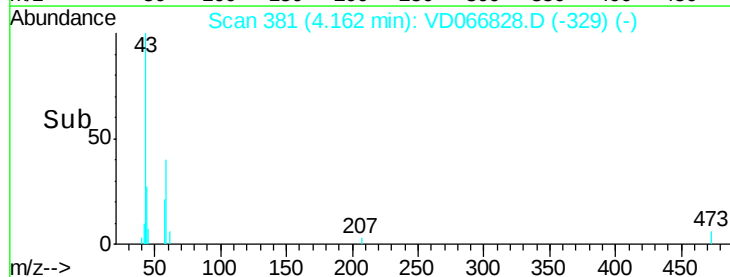
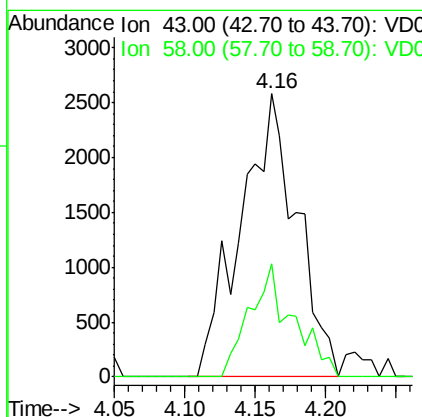
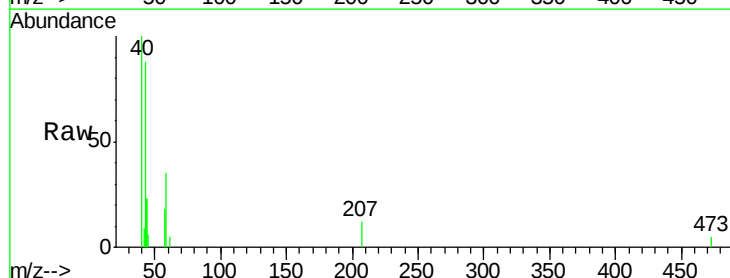
Tgt Ion: 59 Resp: 264
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#

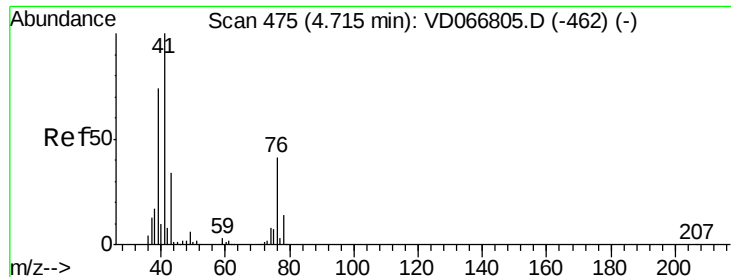


#16

Acetone
 Concen: 8.985 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066828.D
 Acq: 23 Sep 2020 12:16

Tgt Ion: 43 Resp: 7192
 Ion Ratio Lower Upper
 43 100
 58 39.8 25.6 38.4#

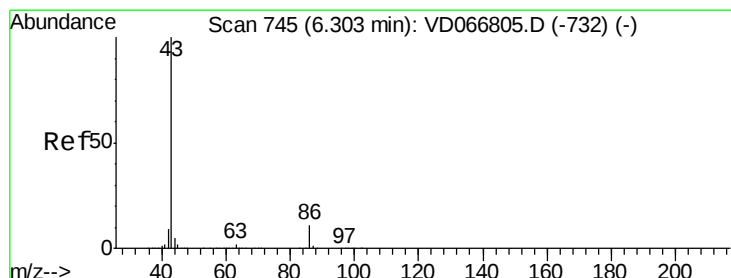
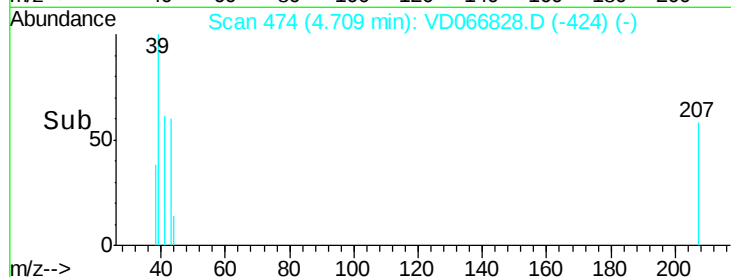
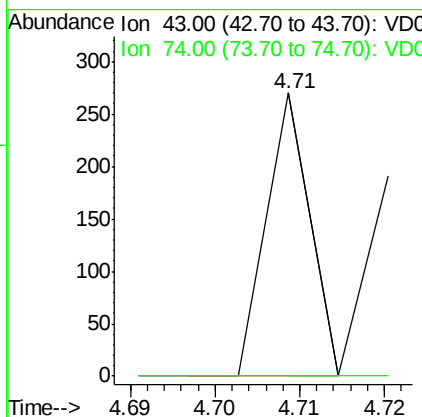
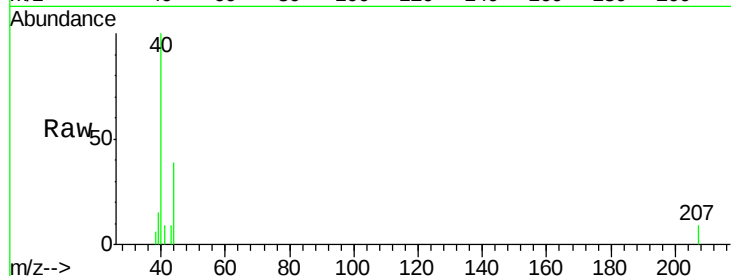




#18
Methyl Acetate
Concen: Below Cal
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

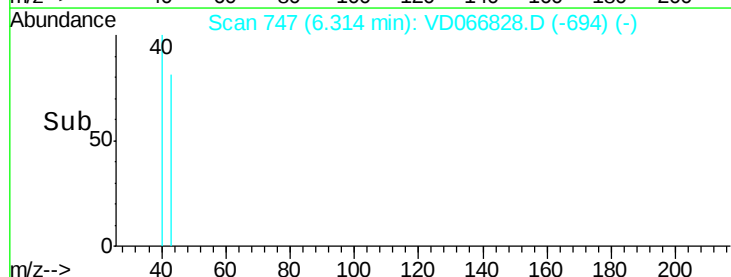
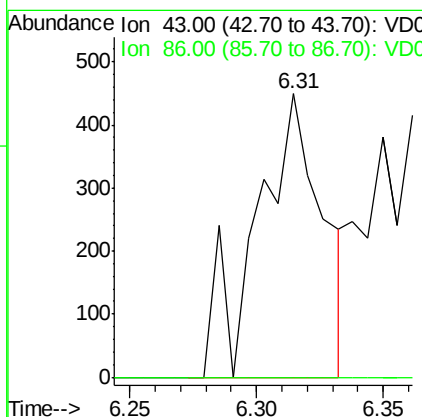
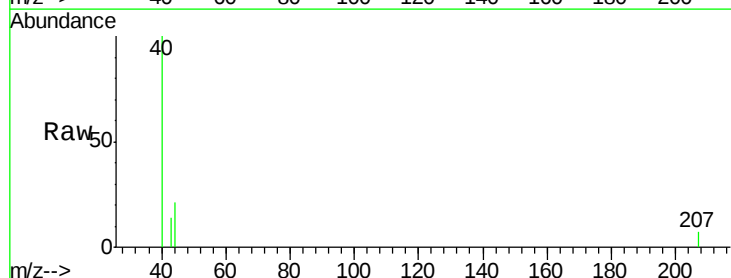
Instrument :
MSVOA_D
ClientSampleId :
SU-02-092220

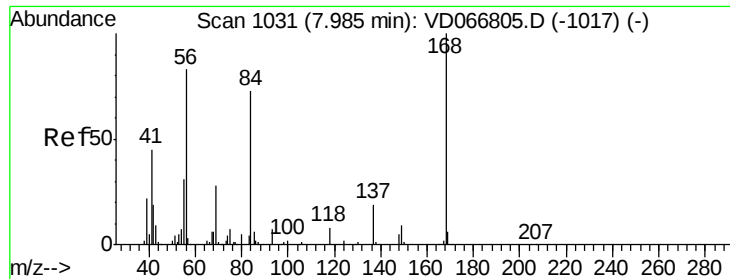
Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#23
Vinyl Acetate
Concen: 2.802 ug/l
RT: 6.31 min Scan# 747
Delta R.T. 0.01 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

Tgt Ion: 43 Resp: 814
Ion Ratio Lower Upper
43 100
86 0.0 8.9 13.3#

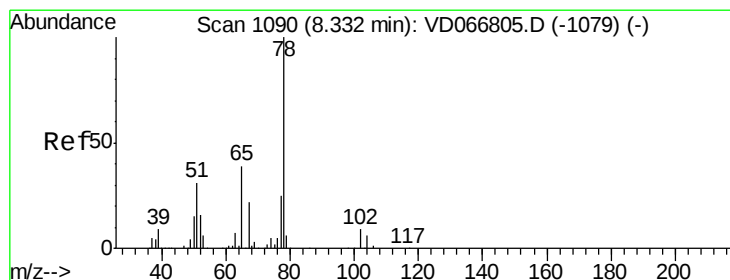
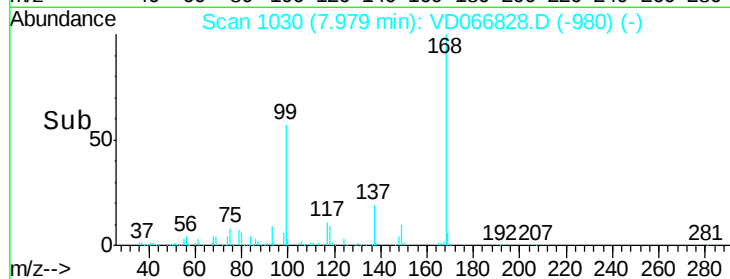
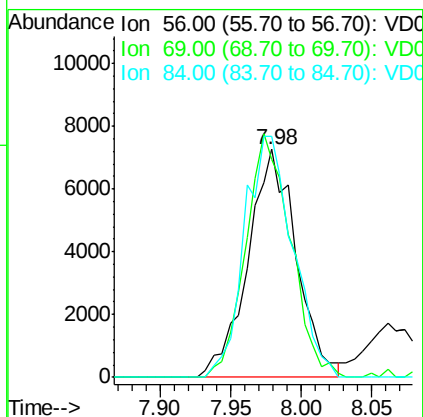
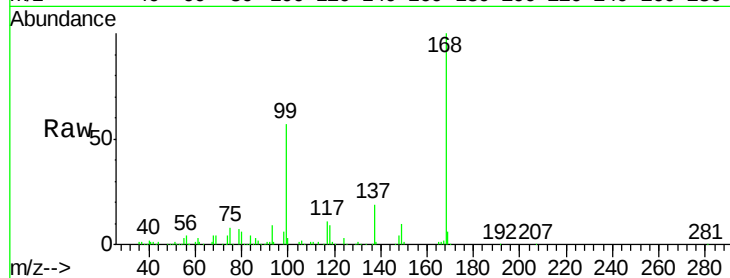




#31
Cyclohexane
Concen: 2.546 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

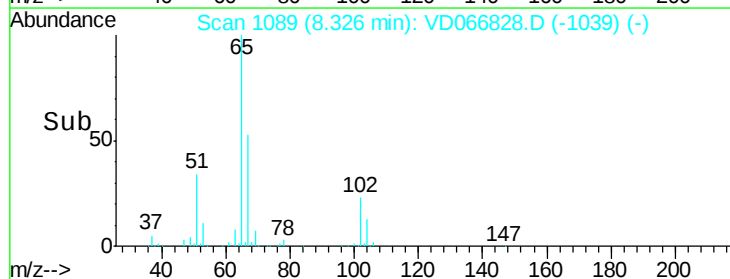
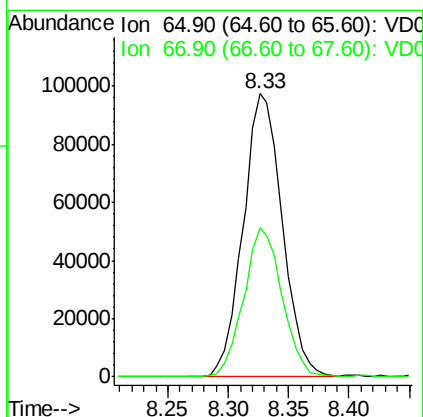
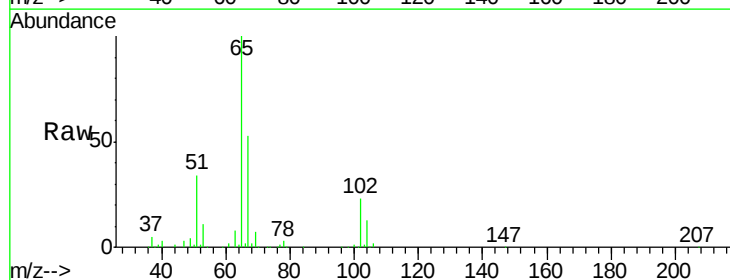
Instrument :
MSVOA_D
ClientSampleId :
SU-02-092220

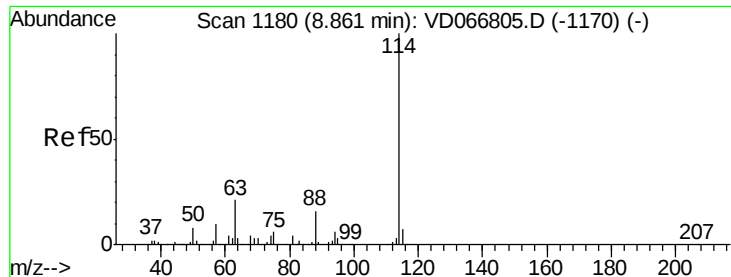
Tgt Ion: 56 Resp: 17468
Ion Ratio Lower Upper
56 100
69 95.9 27.0 40.4#
84 105.6 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 58.316 ug/l
RT: 8.33 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

Tgt Ion: 65 Resp: 220033
Ion Ratio Lower Upper
65 100
67 51.7 0.0 107.2

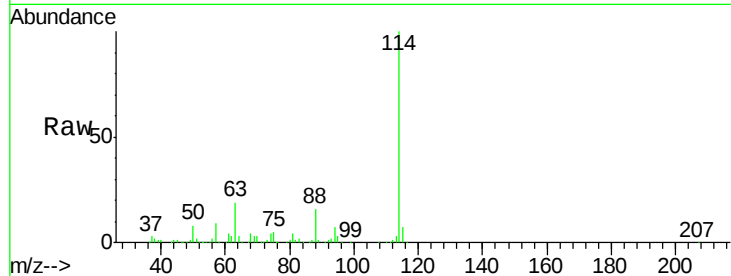




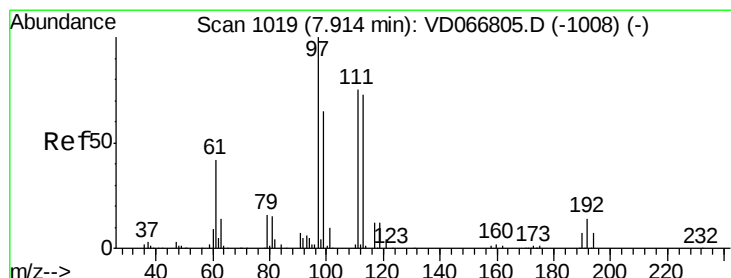
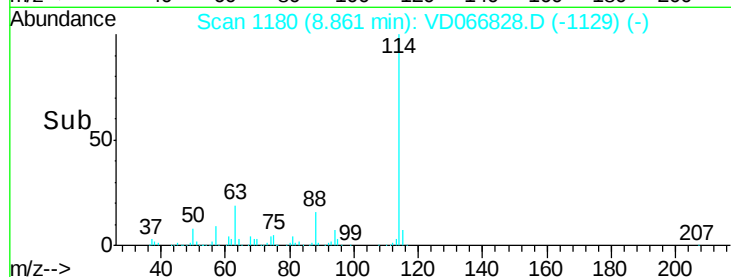
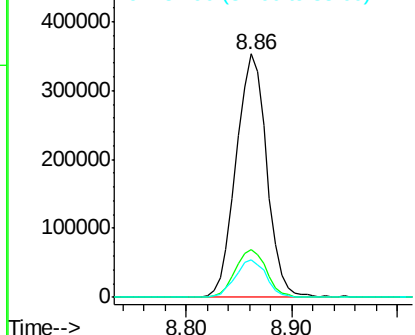
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066828.D
 Acq: 23 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-092220

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	42.6
88	15.7	0.0	32.6

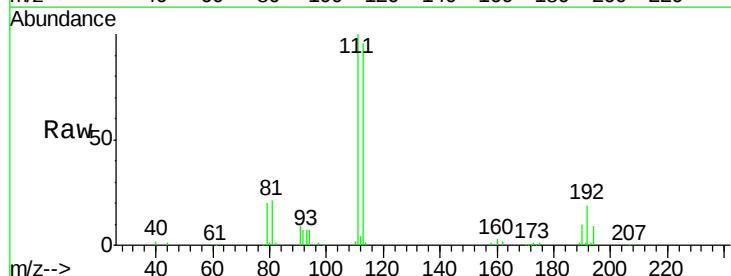


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

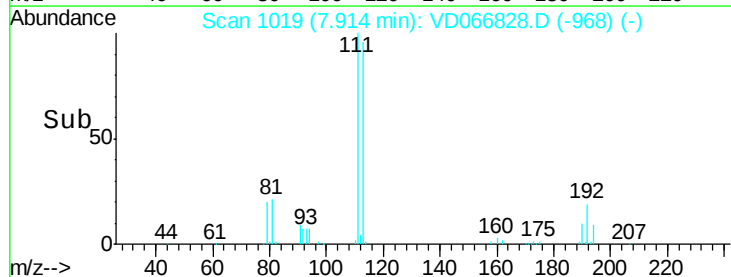
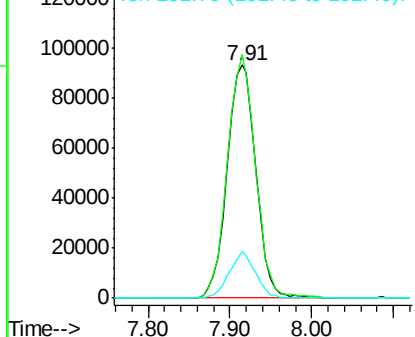


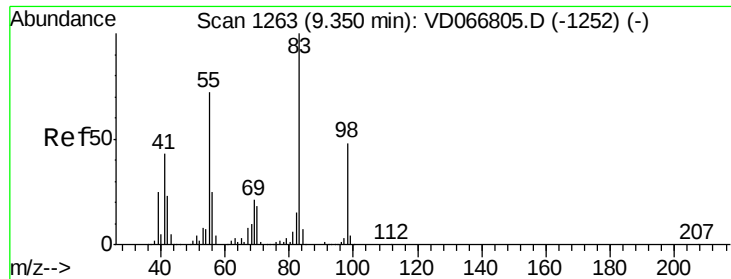
#35
 Dibromofluoromethane
 Concen: 50.584 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD066828.D
 Acq: 23 Sep 2020 12:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	18.3	14.4	21.6



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

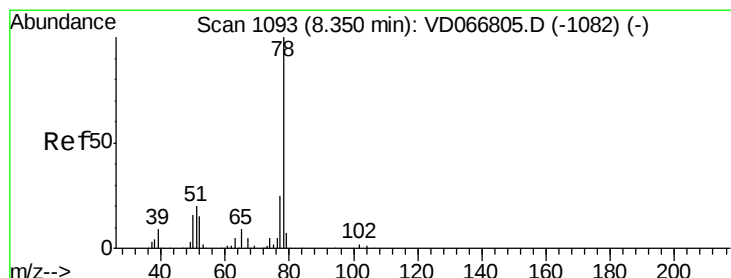
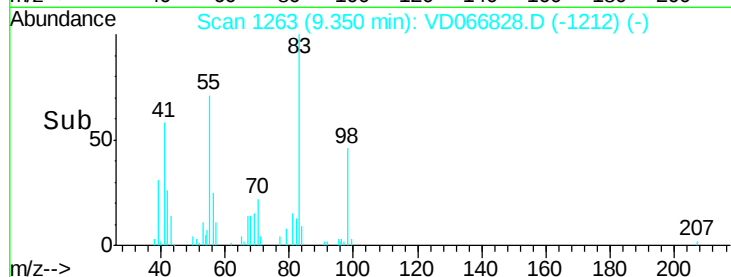
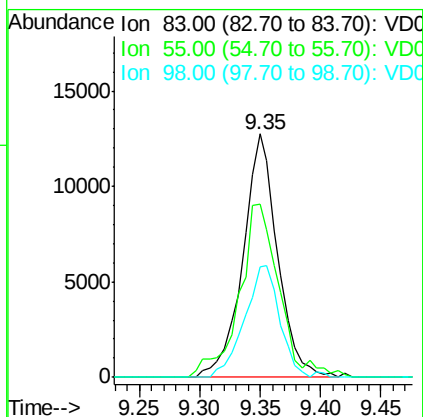
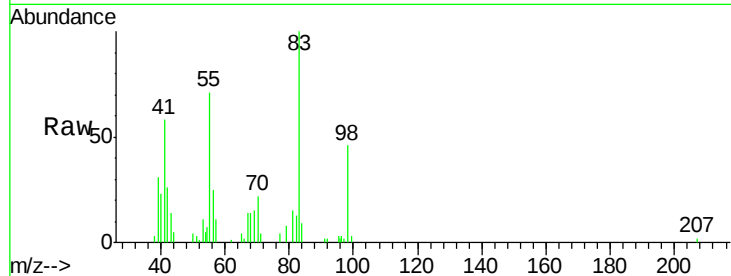




#39
Methylcyclohexane
Concen: 3.156 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

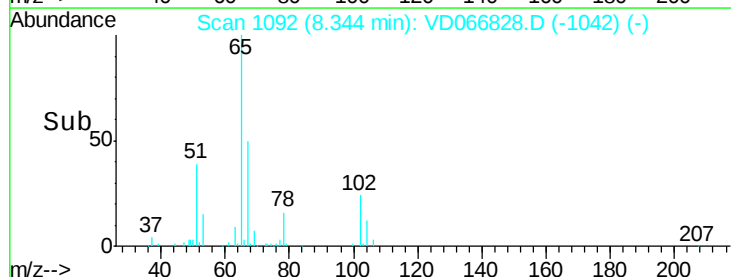
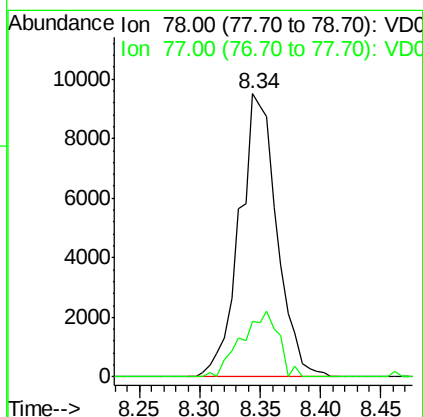
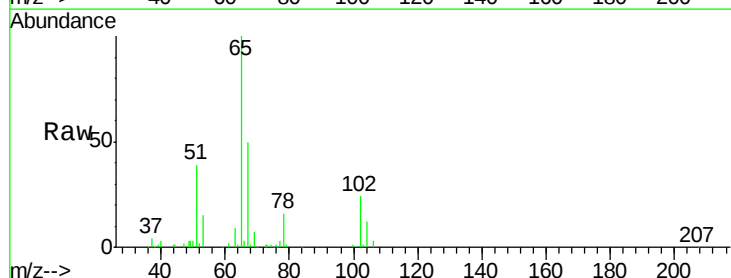
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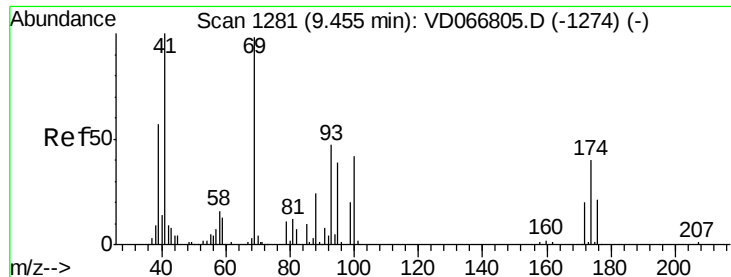
Tgt Ion: 83 Resp: 25533
Ion Ratio Lower Upper
83 100
55 71.0 57.7 86.5
98 45.6 38.4 57.6



#40
Benzene
Concen: 1.046 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

Tgt Ion: 78 Resp: 20545
Ion Ratio Lower Upper
78 100
77 19.7 19.9 29.9#

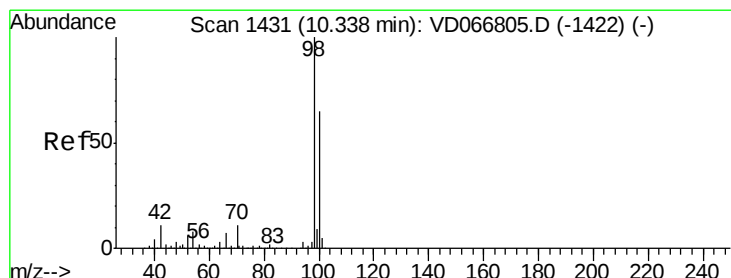
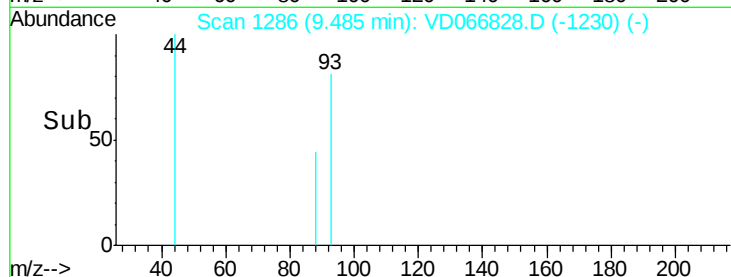
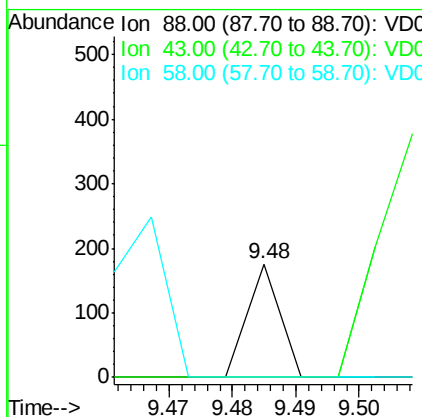
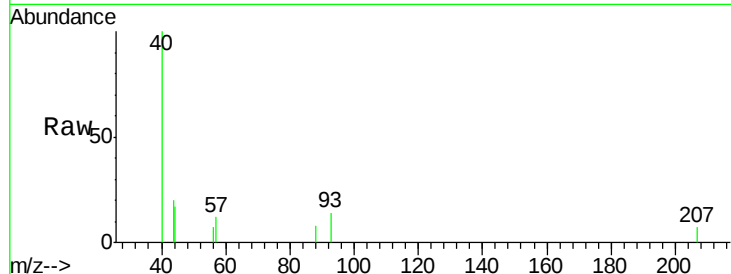




#49
1,4-Dioxane
Concen: Below Cal
RT: 9.48 min Scan# 1286
Delta R.T. 0.03 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

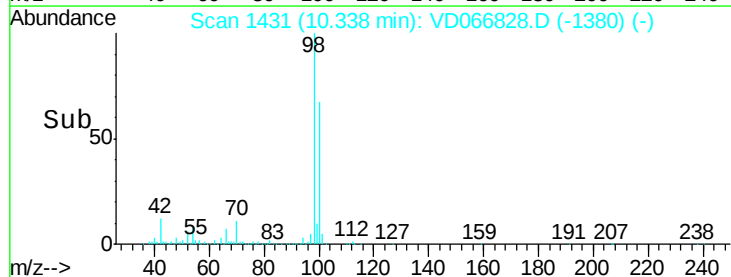
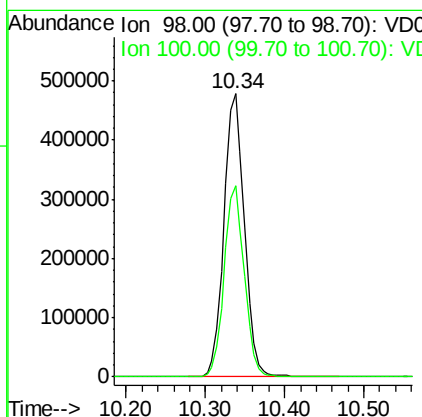
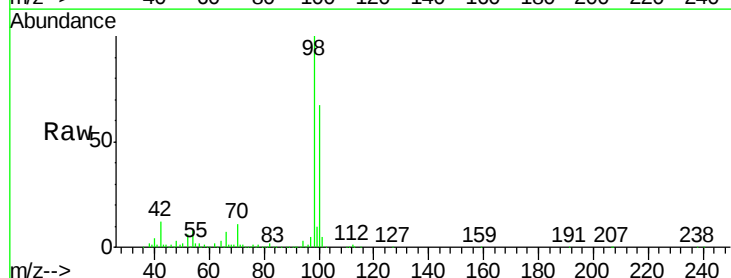
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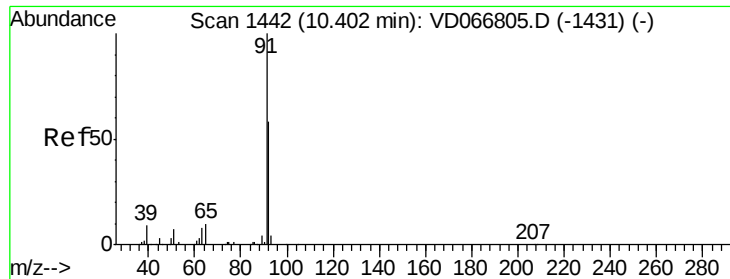
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 27.7 41.5#
58 233.9 55.5 83.3#



#50
Toluene-d8
Concen: 55.531 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

Tgt Ion: 98 Resp: 854959
Ion Ratio Lower Upper
98 100
100 66.6 52.2 78.2





#52

Toluene

Concen: 1.539 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066828.D

Acq: 23 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

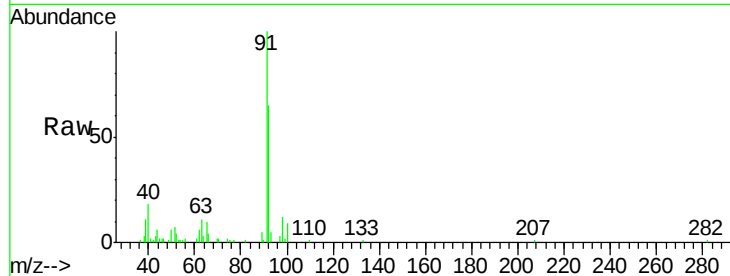
SU-02-092220

Tgt Ion: 92 Resp: 19470

Ion Ratio Lower Upper

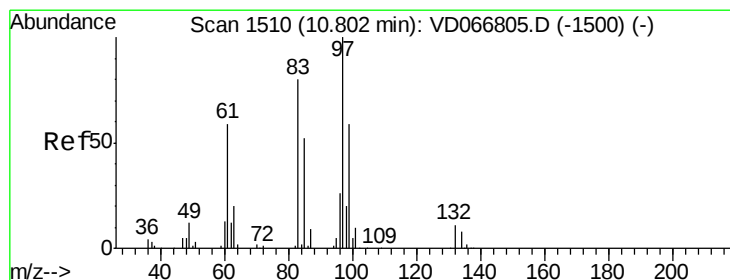
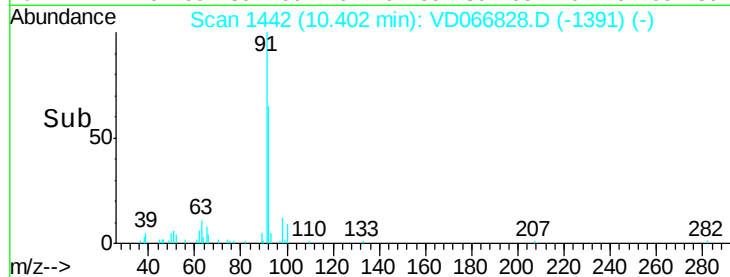
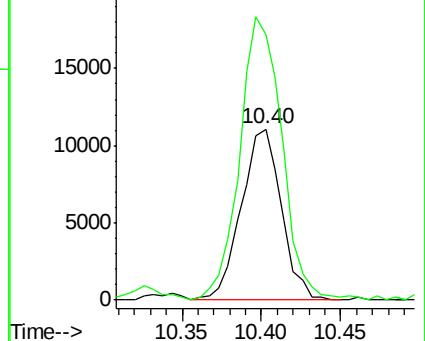
92 100

91 175.0 134.6 202.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#55

1,1,2-Trichloroethane

Concen: 3.522 ug/l

RT: 10.77 min Scan# 1505

Delta R.T. -0.03 min

Lab File: VD066828.D

Acq: 23 Sep 2020 12:16

Tgt Ion: 97 Resp: 12997

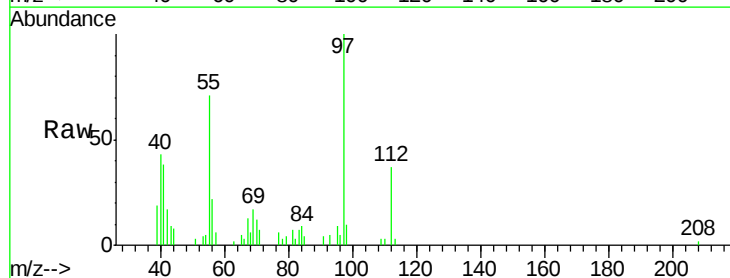
Ion Ratio Lower Upper

97 100

83 6.6 64.2 96.2#

85 4.0 41.9 62.9#

99 0.0 47.5 71.3#

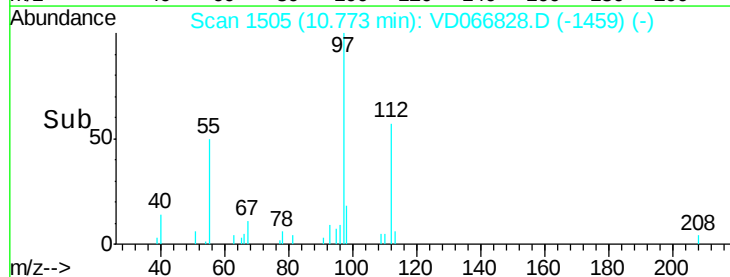
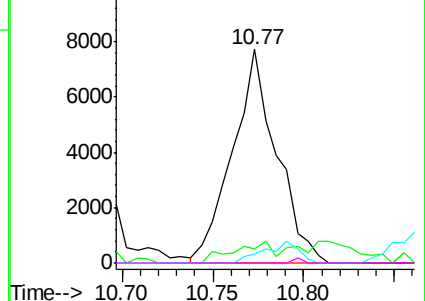


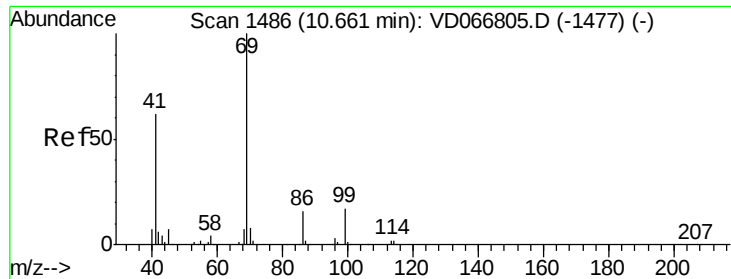
Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

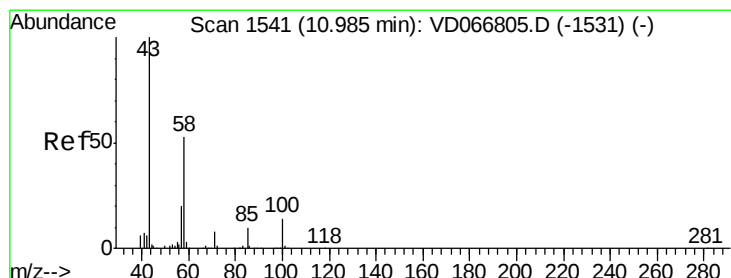
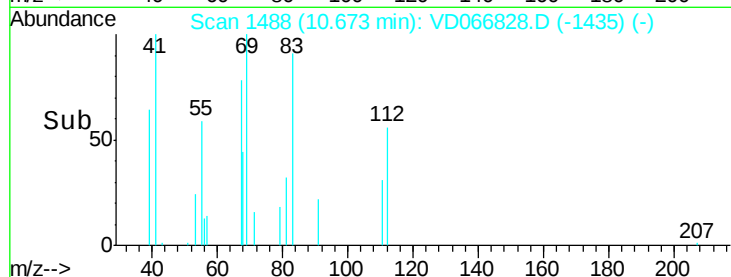
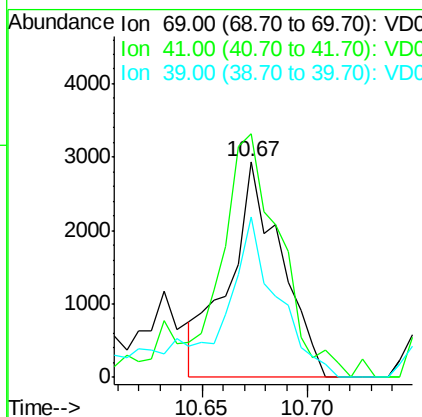
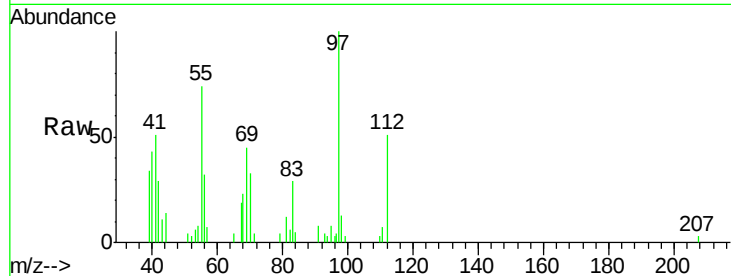




#56
Ethyl methacrylate
Concen: 1.268 ug/l
RT: 10.67 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

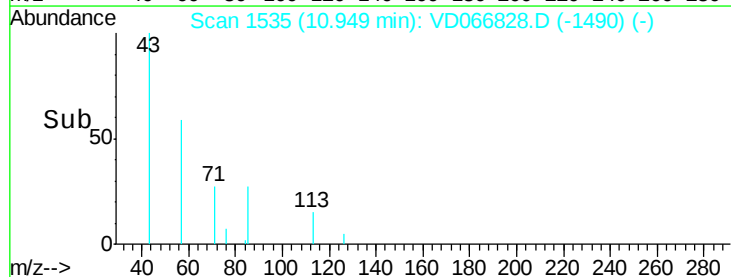
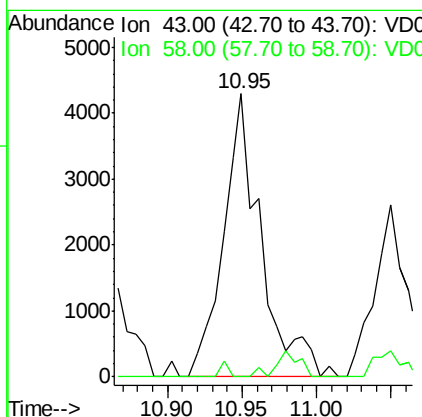
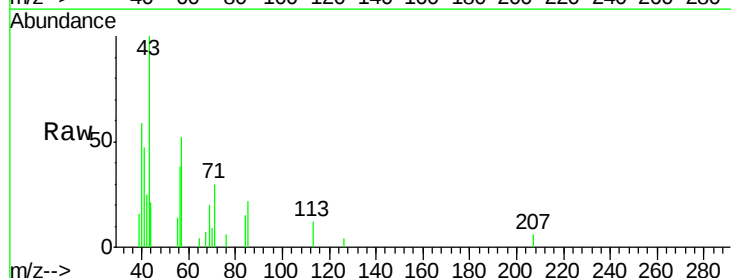
Instrument :
MSVOA_D
ClientSampleId :
SU-02-092220

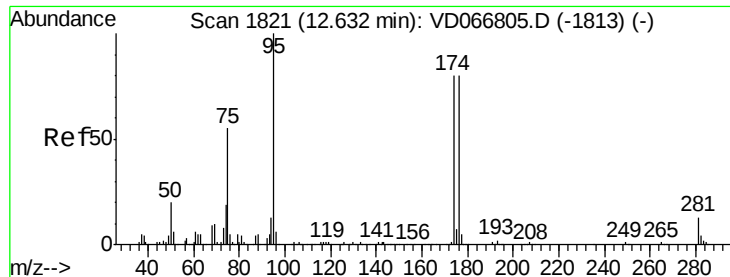
Tgt Ion: 69 Resp: 5015
Ion Ratio Lower Upper
69 100
41 126.3 52.2 78.2#
39 82.1 26.6 40.0#



#59
2-Hexanone
Concen: 4.489 ug/l
RT: 10.95 min Scan# 1535
Delta R.T. -0.04 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

Tgt Ion: 43 Resp: 7533
Ion Ratio Lower Upper
43 100
58 1.1 27.0 80.8#





#62

4-Bromofluorobenzene

Concen: 52.140 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066828.D

Acq: 23 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

SU-02-092220

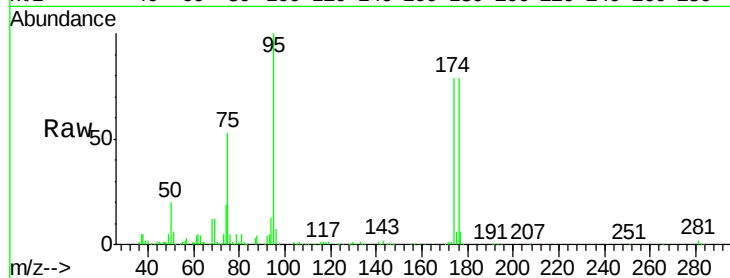
Tgt Ion: 95 Resp: 274813

Ion Ratio Lower Upper

95 100

174 79.0 0.0 159.8

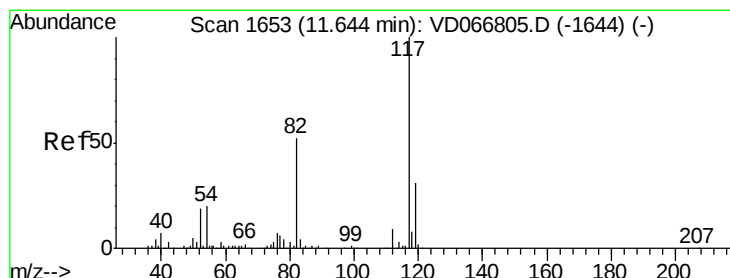
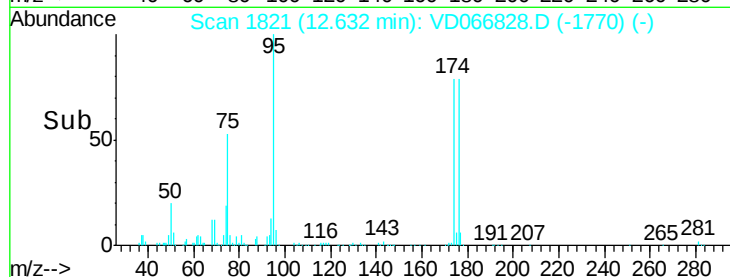
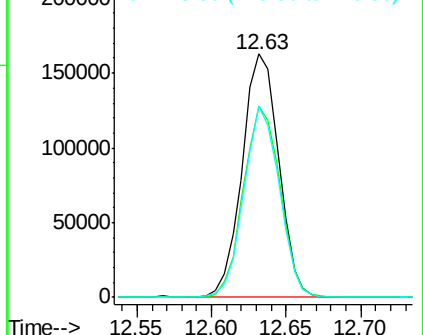
176 76.5 0.0 154.4



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066828.D

Acq: 23 Sep 2020 12:16

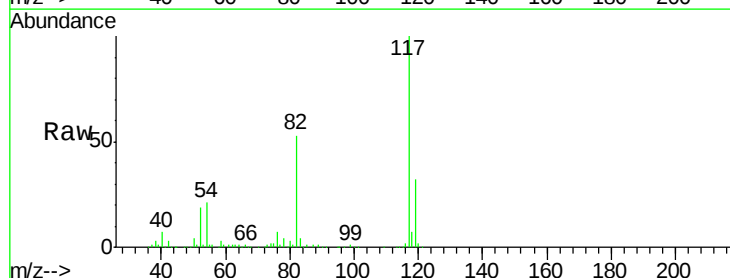
Tgt Ion: 117 Resp: 677259

Ion Ratio Lower Upper

117 100

82 52.6 41.8 62.6

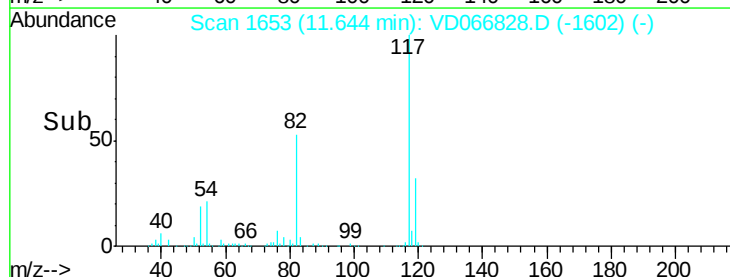
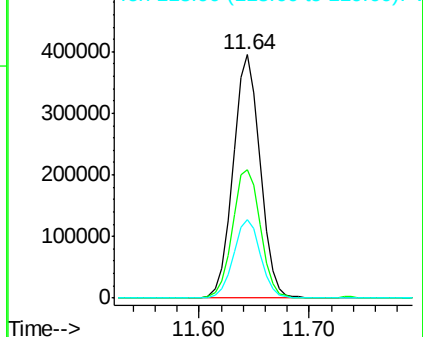
119 32.2 24.6 37.0

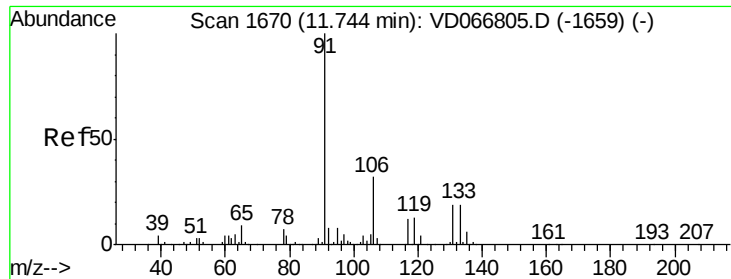


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V

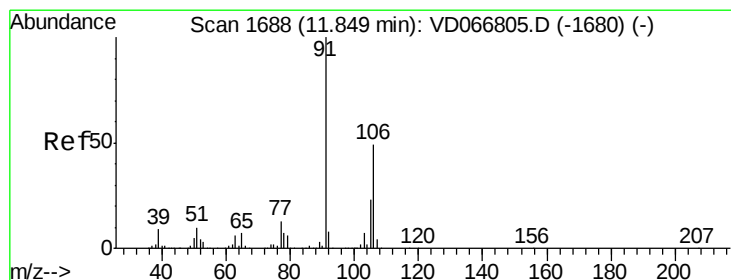
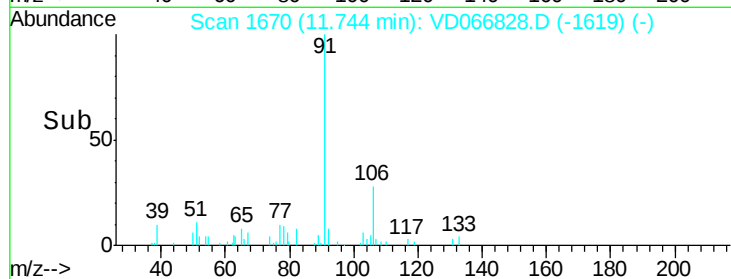
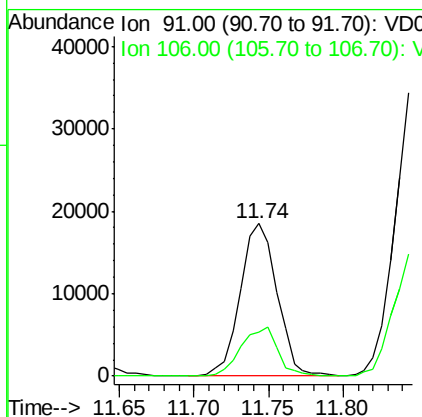
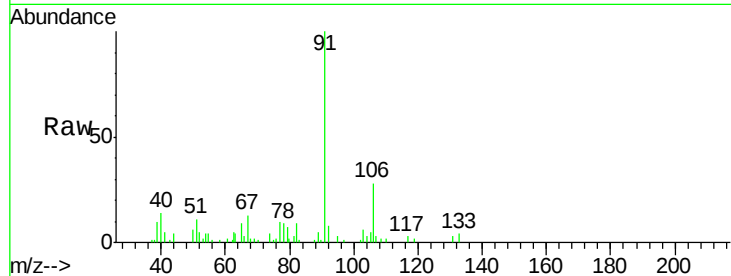




#67
Ethyl Benzene
Concen: 1.283 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

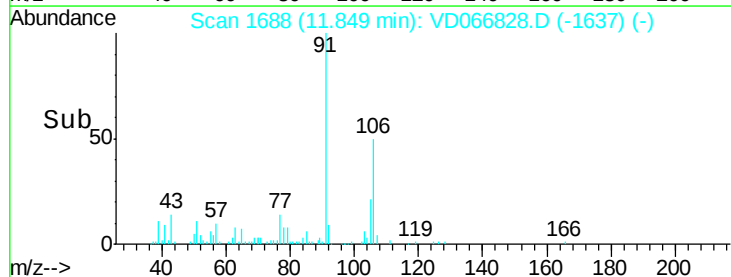
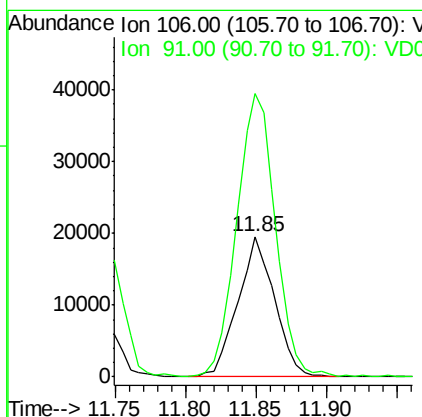
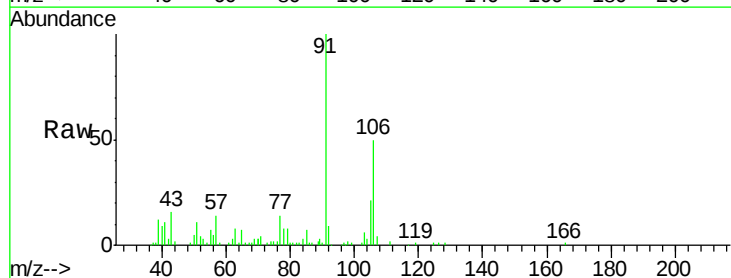
Instrument :
MSVOA_D
ClientSampleId :
SU-02-092220

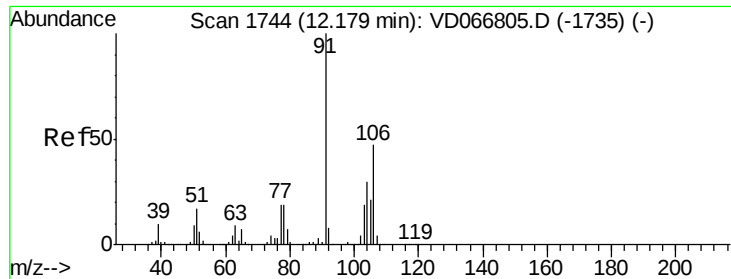
Tgt Ion: 91 Resp: 31768
Ion Ratio Lower Upper
91 100
106 28.5 25.6 38.4



#68
m/p-Xylenes
Concen: 3.785 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

Tgt Ion: 106 Resp: 35480
Ion Ratio Lower Upper
106 100
91 212.9 160.7 241.1

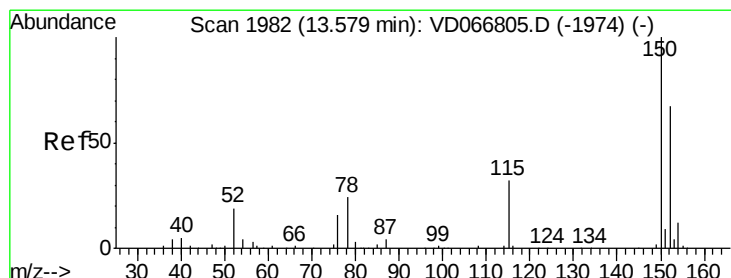
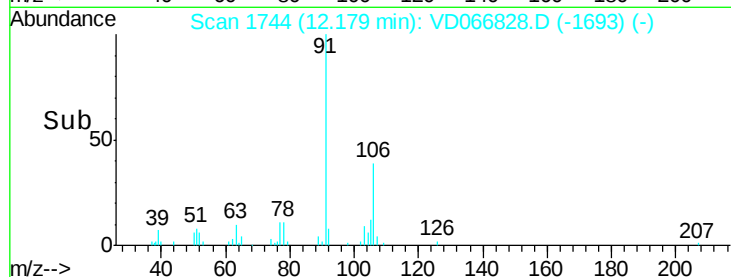
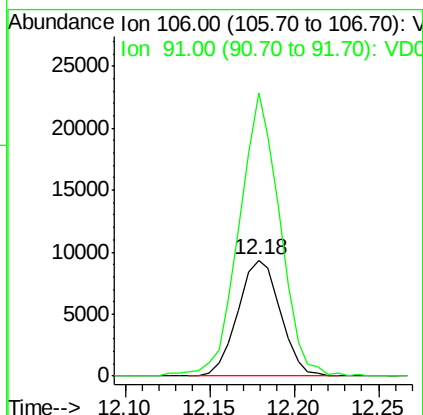
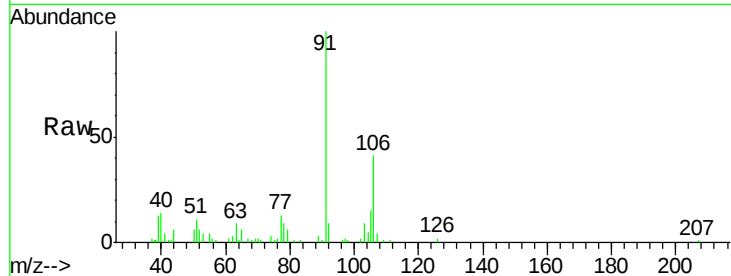




#69
o-Xylene
Concen: 1.933 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

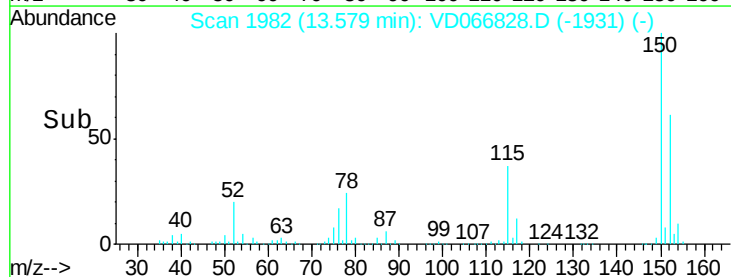
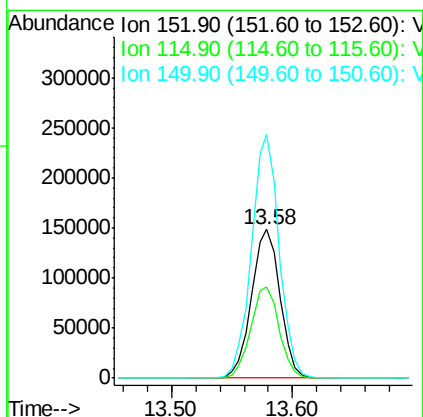
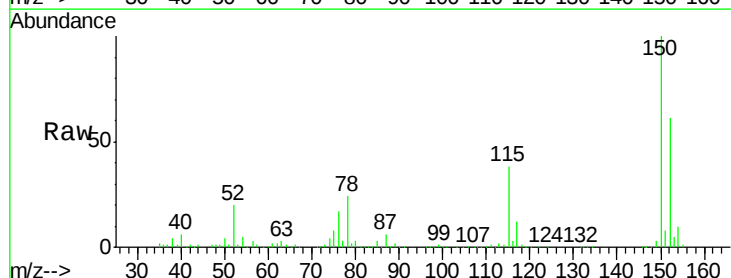
Instrument :
MSVOA_D
ClientSampleId :
SU-02-092220

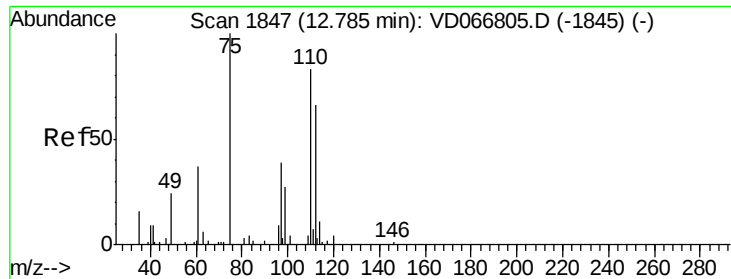
Tgt Ion:106 Resp: 16385
Ion Ratio Lower Upper
106 100
91 234.2 106.3 318.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066828.D
Acq: 23 Sep 2020 12:16

Tgt Ion:152 Resp: 245400
Ion Ratio Lower Upper
152 100
115 61.5 30.3 91.0
150 158.3 0.0 346.2





#76

1,2,3-Trichloropropane

Concen: 71.956 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066828.D

Acq: 23 Sep 2020 12:16

Instrument :

MSVOA_D

ClientSampleId :

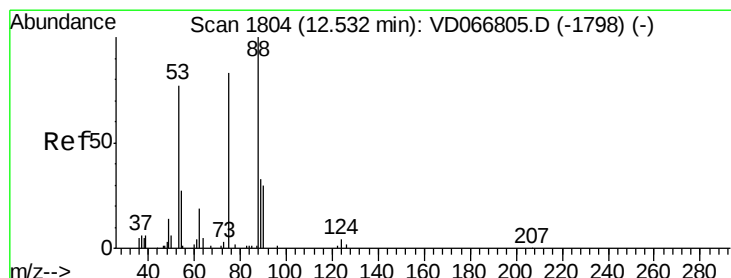
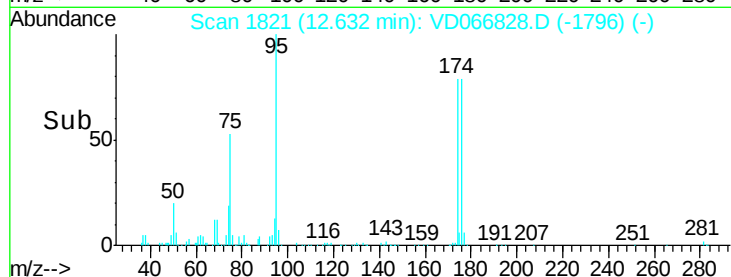
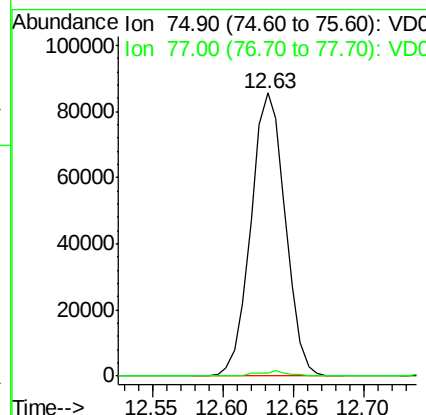
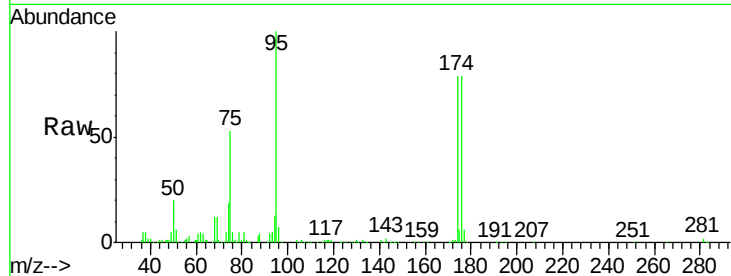
SU-02-092220

Tgt Ion: 75 Resp: 146336

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 180.028 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066828.D

Acq: 23 Sep 2020 12:16

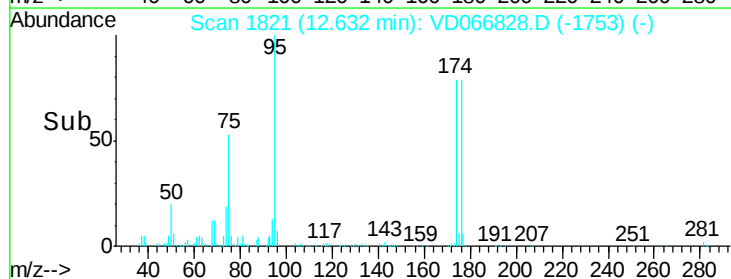
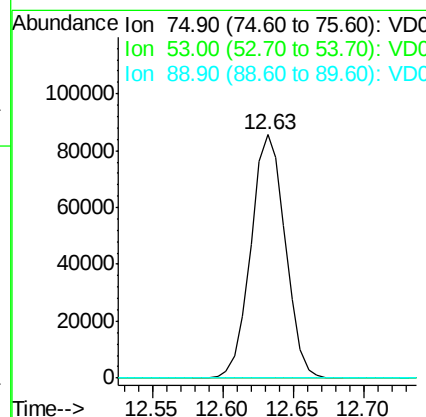
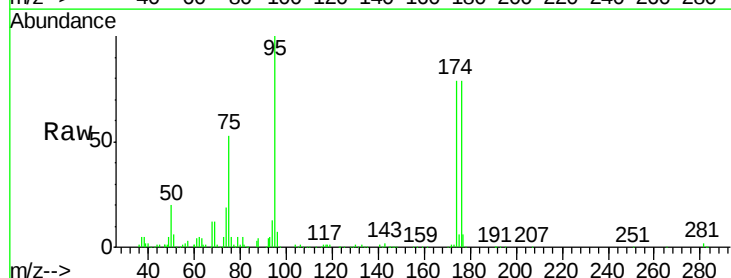
Tgt Ion: 75 Resp: 146336

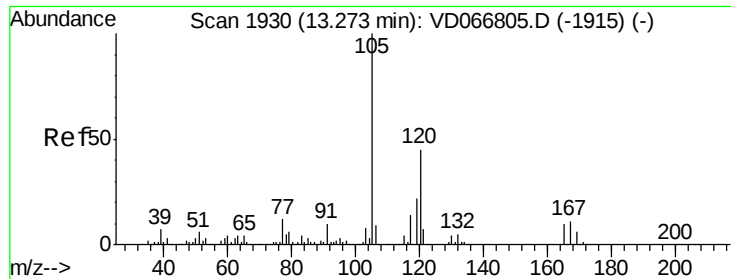
Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 38.1 57.1#

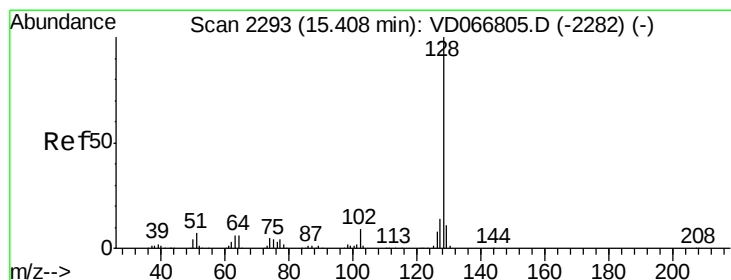
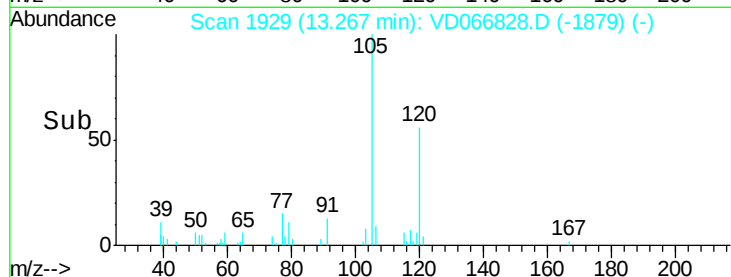
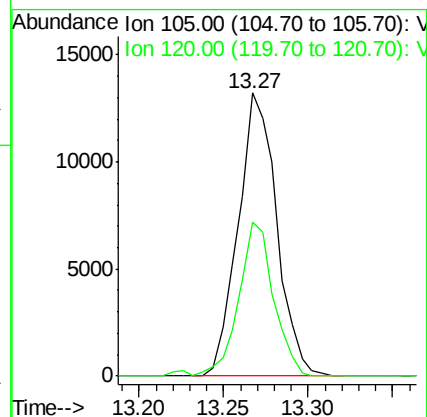
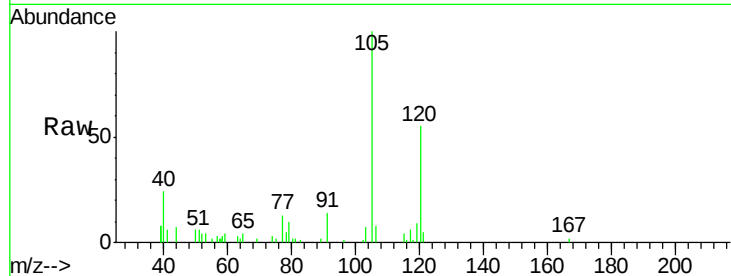




#84
 1,2,4-Trimethylbenzene
 Concen: 1.410 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066828.D
 Acq: 23 Sep 2020 12:16

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-02-092220

Tgt Ion:105 Resp: 21033
 Ion Ratio Lower Upper
 105 100
 120 48.9 22.3 66.9



#95
 Naphthalene
 Concen: 14.337 ug/l
 RT: 15.41 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: VD066828.D
 Acq: 23 Sep 2020 12:16

Tgt Ion:128 Resp: 107385
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.6 16.0
 129 11.2 8.9 13.3

