

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066558.D
 Acq On : 04 Sep 2020 13:00
 Operator : VA/SY
 Sample : L3877-01
 Misc : 6.78G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Manual Integrations
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sam
 9/8/2020 5:43:02 PM

Quant Time: Sep 05 07:46:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	403815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	676286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	577118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	262850	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	277159	56.73	ug/l	0.01
Spiked Amount	50.000		Recovery	=	113.46%	
35) Dibromofluoromethane	7.91	113	222654	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.34	98	969051	59.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.86%	
62) 4-Bromofluorobenzene	12.63	95	329124	60.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.74%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.34	62	12849	2.269	ug/l	93
16) Acetone	4.15	43	64272	71.495	ug/l	98
17) Carbon Disulfide	4.41	76	184967	13.830	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	61459	11.829	ug/l	85
31) Cyclohexane	7.98	56	347744	43.628	ug/l	98
39) Methylcyclohexane	9.35	83	1688971	214.907	ug/l	96
40) Benzene	8.33	78	38159046m	1979.630	ug/l	
44) Trichloroethene	9.11	130	40847	8.079	ug/l	85
52) Toluene	10.40	92	1930714	158.233	ug/l	98
67) Ethyl Benzene	11.73	91	28851219m	1319.136	ug/l	
68) m/p-Xylenes	11.86	106	18582480	2288.220	ug/l #	1
69) o-Xylene	12.18	106	3770362	518.055	ug/l	96
73) Isopropylbenzene	12.48	105	4304091	221.164	ug/l	100
78) n-propylbenzene	12.82	91	8016822	339.814	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	16039936	979.248	ug/l	78
83) tert-Butylbenzene	13.23	119	78731m	5.886	ug/l	
84) 1,2,4-Trimethylbenzene	13.26	105	24086840m	1476.993	ug/l	
85) sec-Butylbenzene	13.41	105	782246	40.592	ug/l #	59
86) p-Isopropyltoluene	13.52	119	1578584	91.009	ug/l	92
89) n-Butylbenzene	13.85	91	1754047	103.773	ug/l #	70
95) Naphthalene	15.39	128	37616617m	4764.229	ug/l	

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

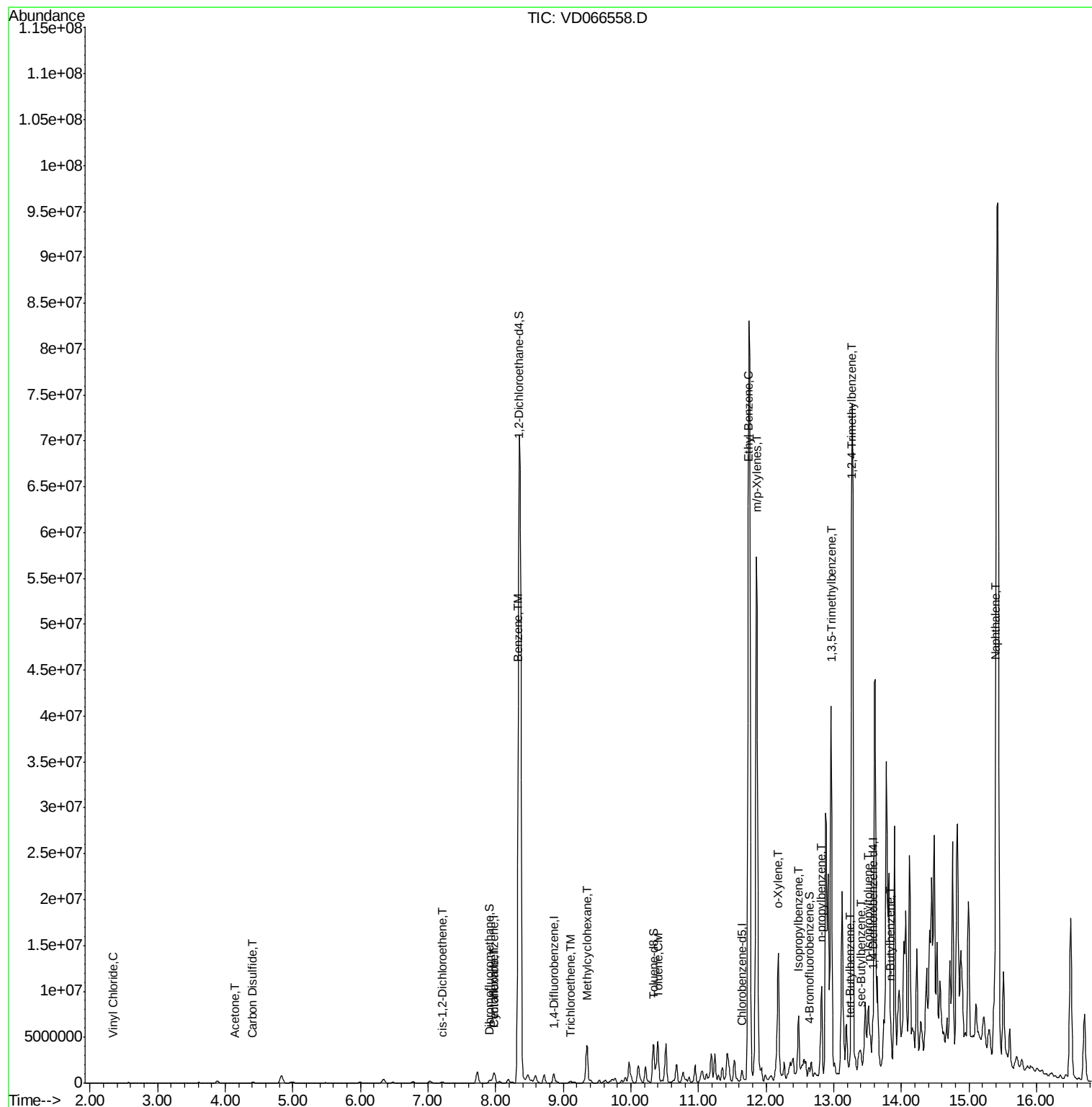
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090420\
Data File : VD066558.D
Acq On : 04 Sep 2020 13:00
Operator : VA/SY
Sample : L3877-01
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ALS Vial : 6 Sample Multiplier: 1

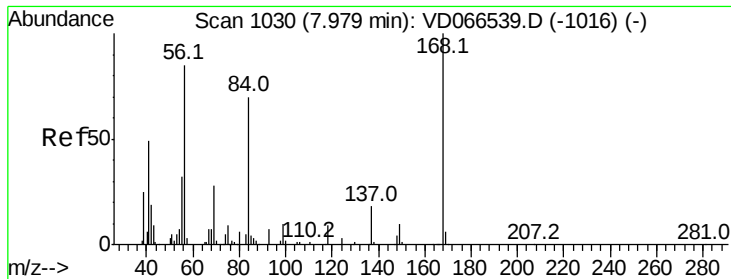
Instrument :
MSVOA_D
ClientSampleId :
TP-1

Quant Time: Sep 05 07:46:13 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration

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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: VD066558.D

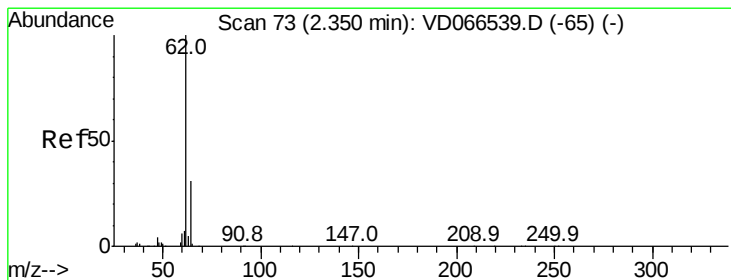
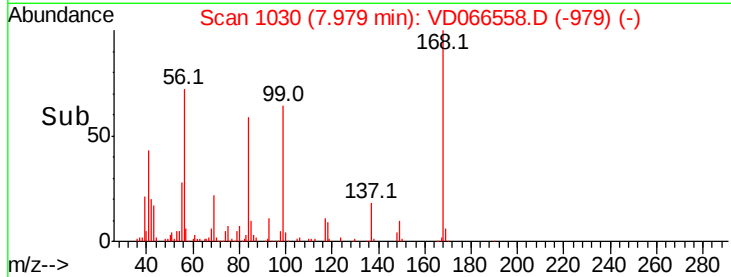
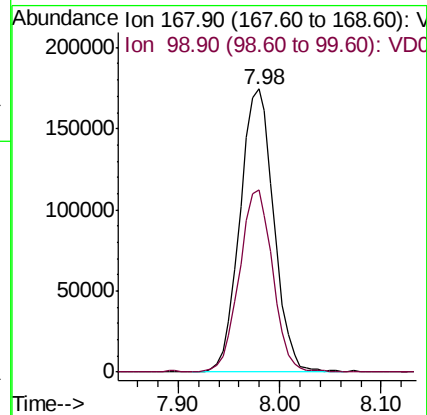
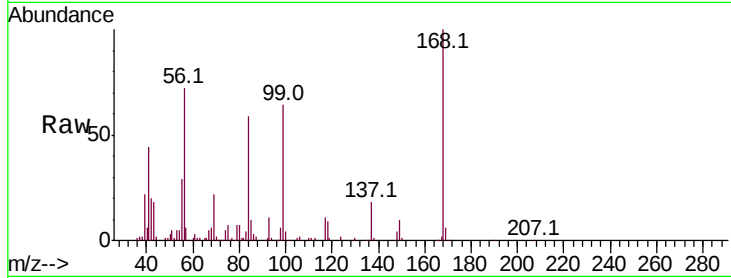
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
168	100		
99	63.9	50.5	75.7

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#4

Vinyl Chloride

Concen: 2.269 ug/l

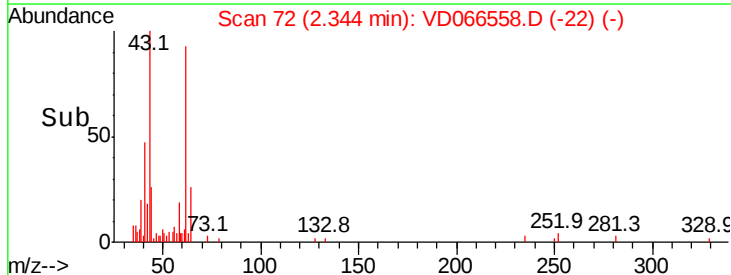
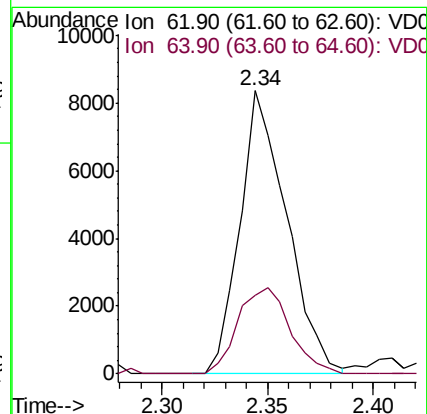
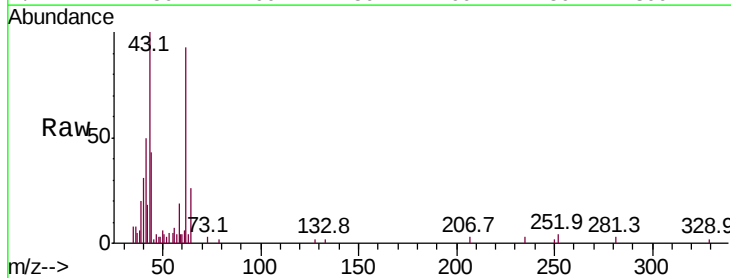
RT: 2.34 min Scan# 72

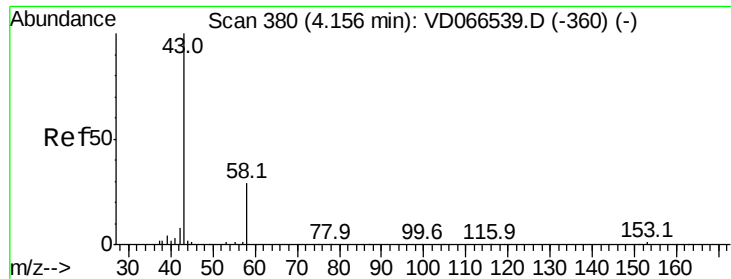
Delta R.T. -0.01 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Tgt Ion	Ratio	Lower	Upper
62	100		
64	27.7	25.3	37.9





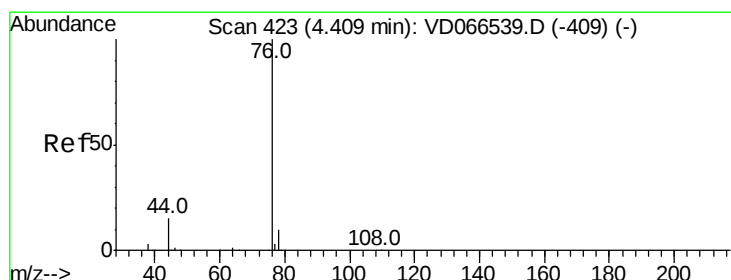
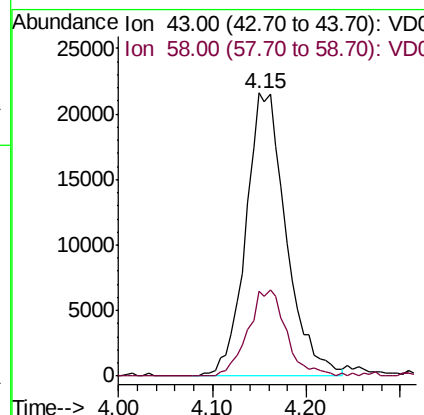
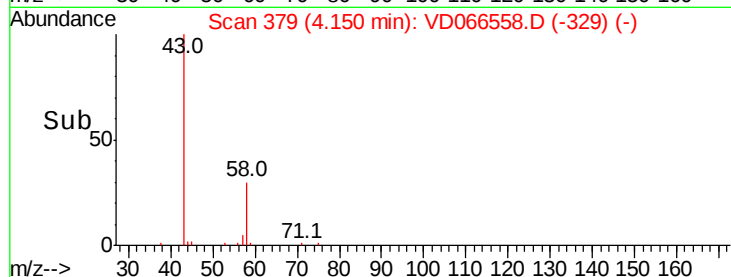
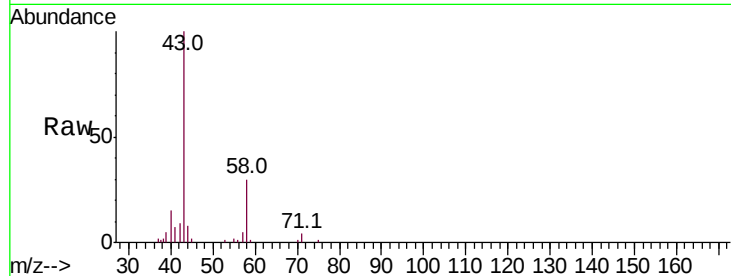
#16
Acetone
Concen: 71.495 ug/l
RT: 4.15 min Scan# 379
Delta R.T. -0.01 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion: 43 Resp: 64272
Ion Ratio Lower Upper
43 100
58 29.9 22.9 34.3

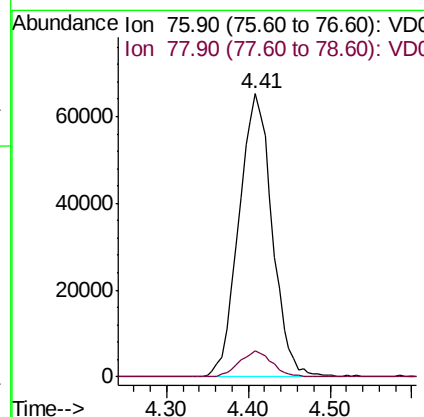
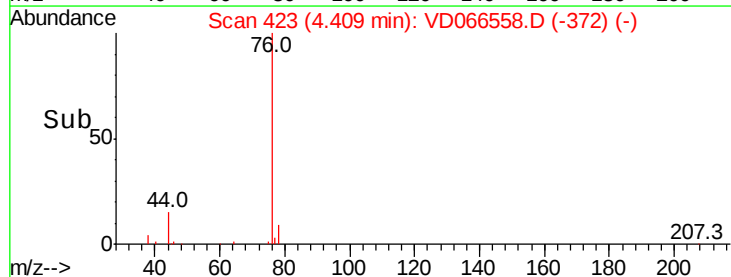
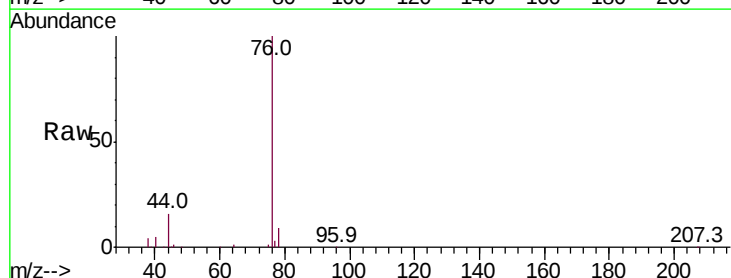
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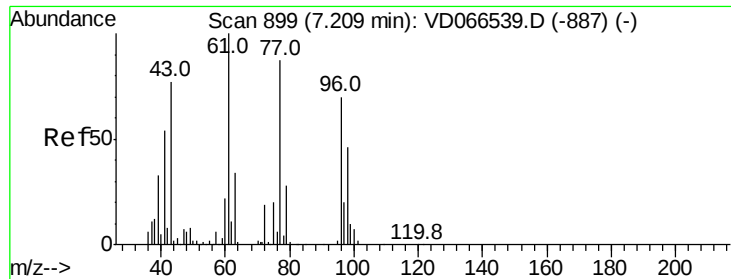
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#17
Carbon Disulfide
Concen: 13.830 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 76 Resp: 184967
Ion Ratio Lower Upper
76 100
78 9.2 7.6 11.4





#27

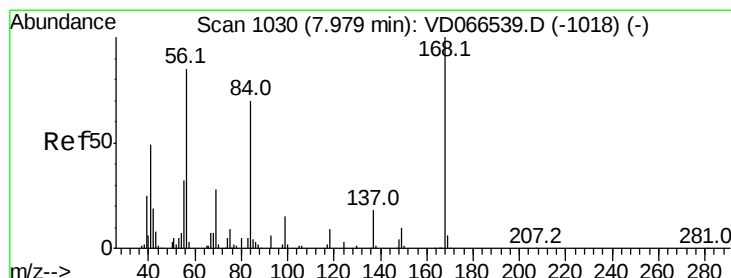
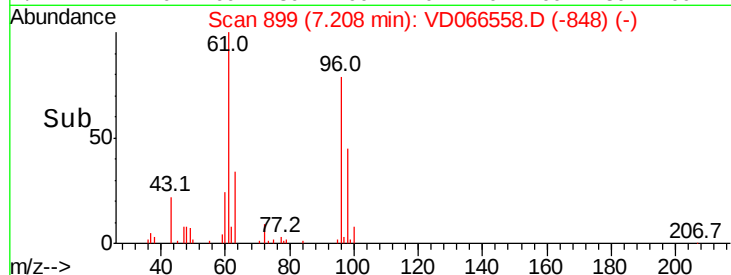
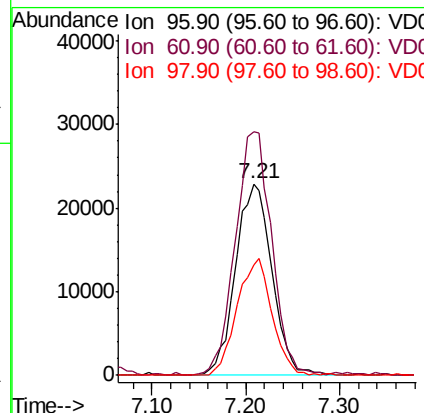
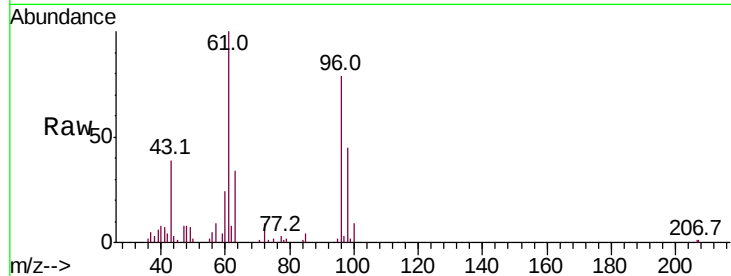
cis-1,2-Dichloroethene
 Concen: 11.829 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

Instrument :
 MSVOA_D
 ClientSampled :
 TP-1

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	127.5	0.0	301.0	
98	58.3	0.0	129.8	

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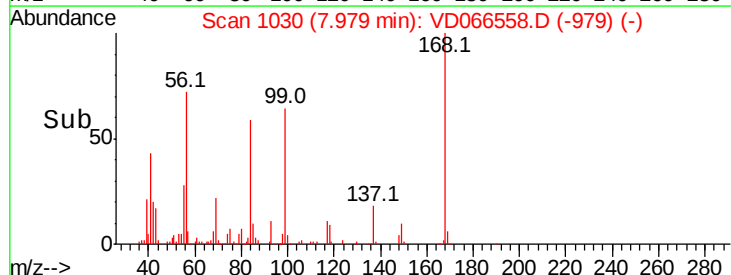
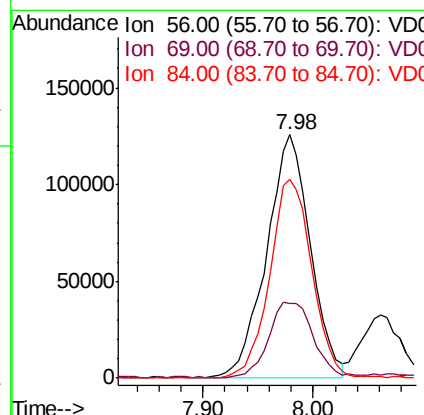
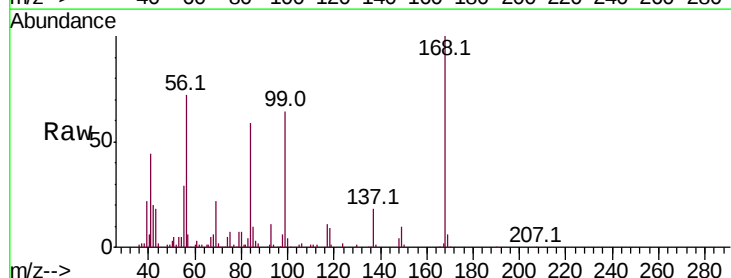
sam
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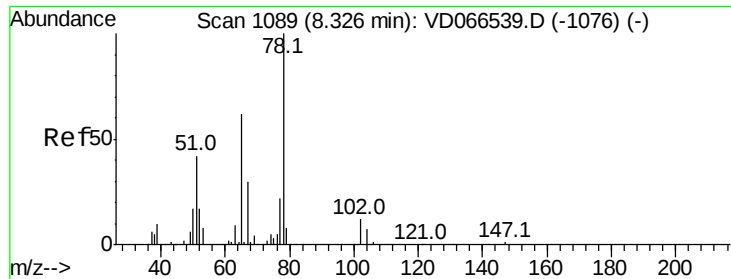


#31

Cyclohexane
 Concen: 43.628 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

Tgt Ion	Ratio	Resp	Lower	Upper
56	100			
69	30.5	26.3	39.5	
84	81.5	66.1	99.1	





#33

1,2-Dichloroethane-d4

Concen: 56.728 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

TP-1

Tot Ion: 65 Resp: 277159

Ion Ratio Lower Upper

65 100

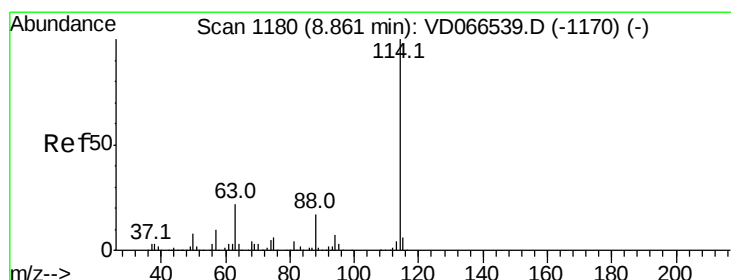
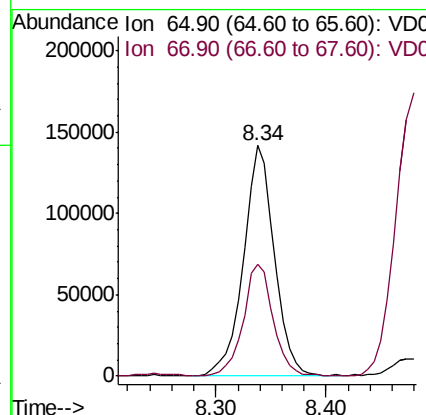
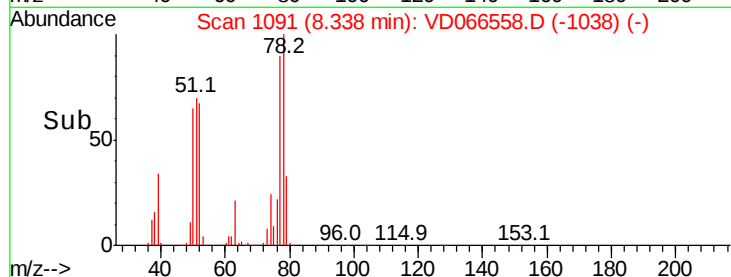
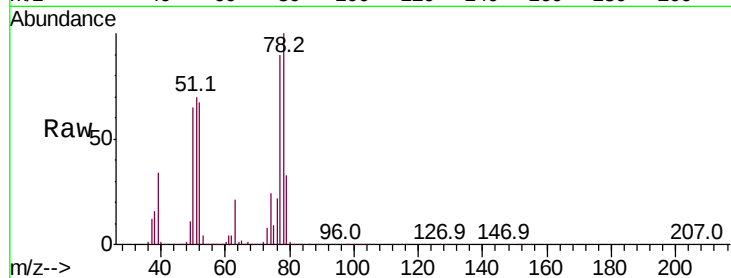
67 47.1 0.0 102.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

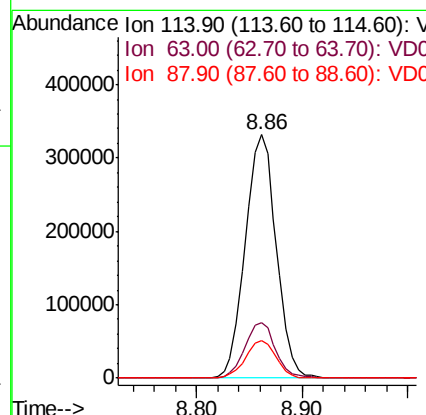
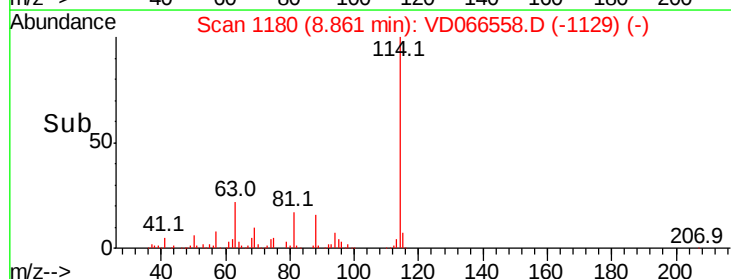
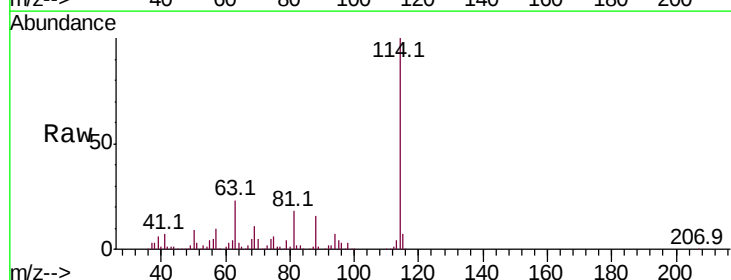
Tgt Ion: 114 Resp: 676286

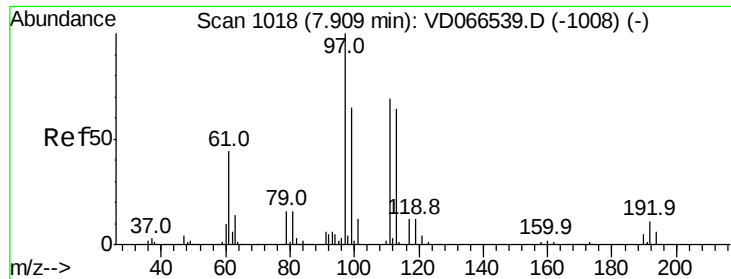
Ion Ratio Lower Upper

114 100

63 22.8 0.0 43.2

88 15.6 0.0 33.2





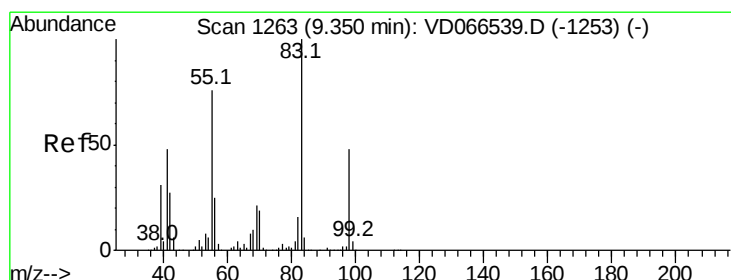
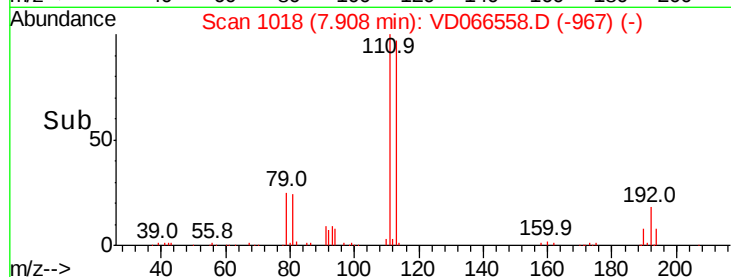
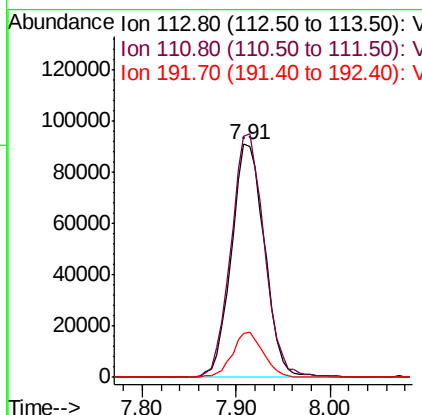
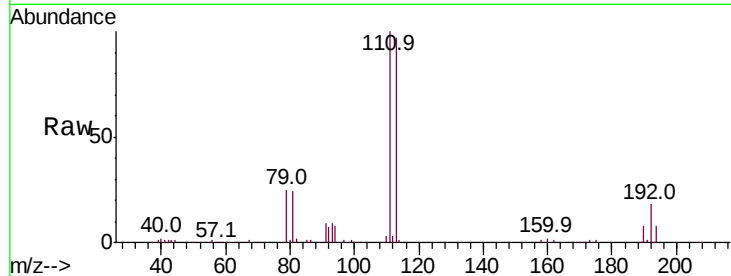
#35
Dibromofluoromethane
Concen: 48.803 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.9	83.2	124.8
192	18.2	13.7	20.5

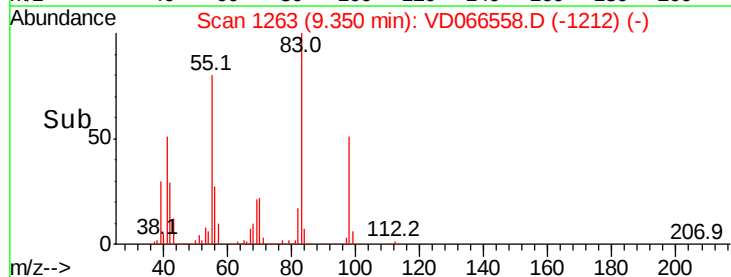
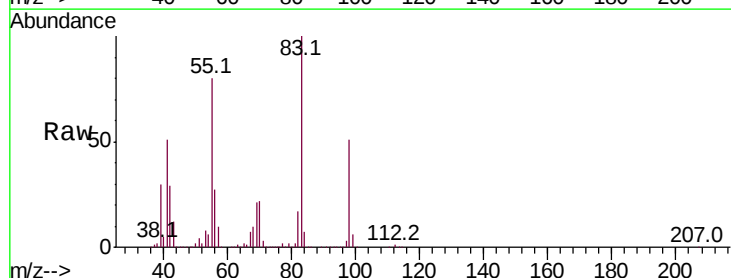
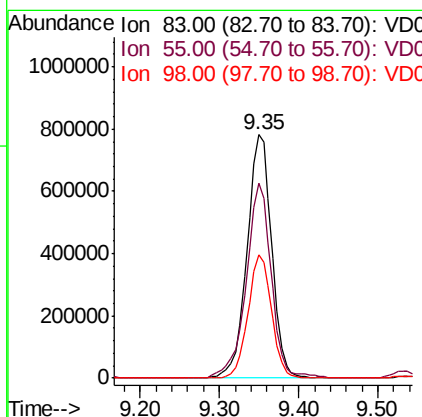
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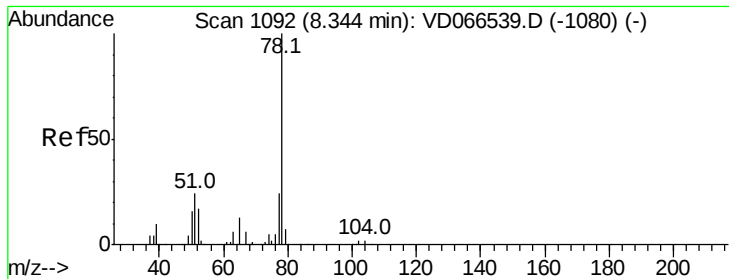
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#39
Methylcyclohexane
Concen: 214.907 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.9	60.8	91.2
98	50.7	38.6	58.0





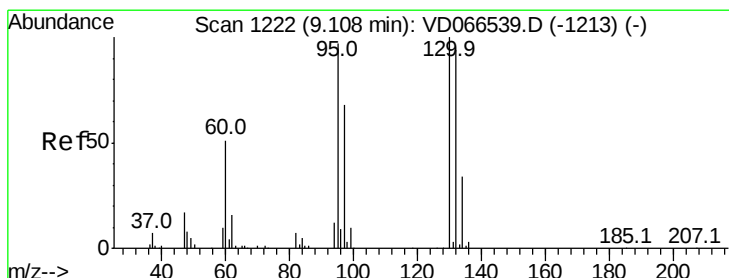
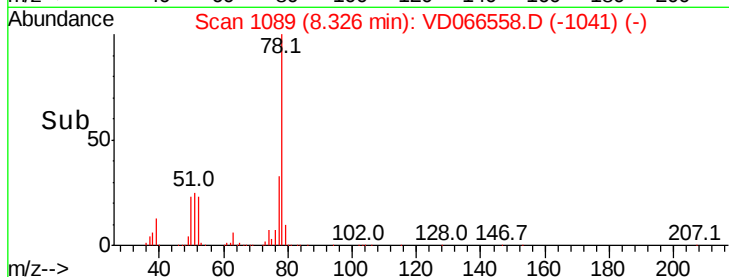
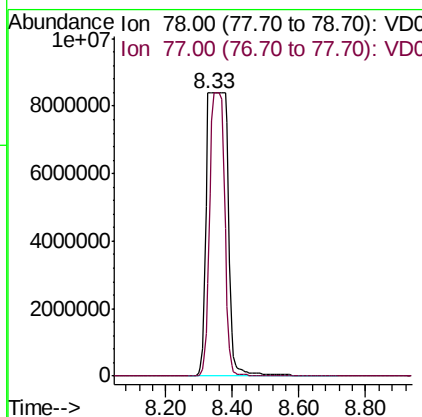
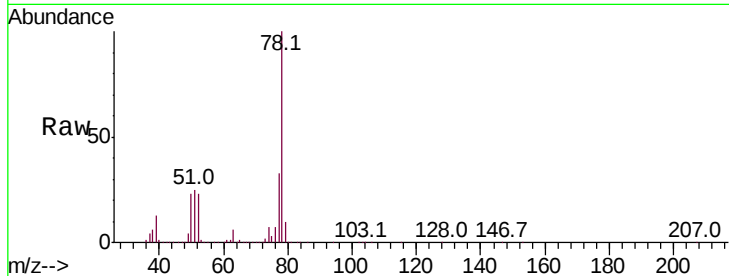
#40
Benzene
Concen: 1979.630 ug/l m
RT: 8.33 min Scan# 1089
Delta R.T. -0.02 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion: 78 Resp: 38159046
Ion Ratio Lower Upper
78 100
77 32.5 19.1 28.7#

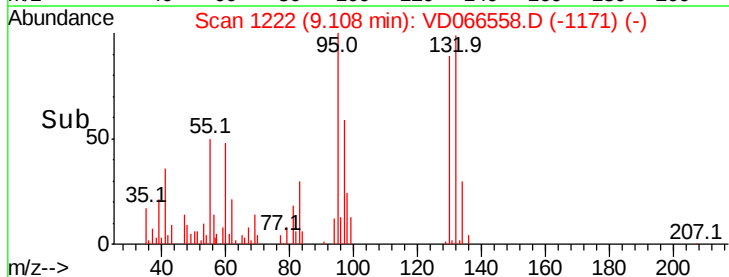
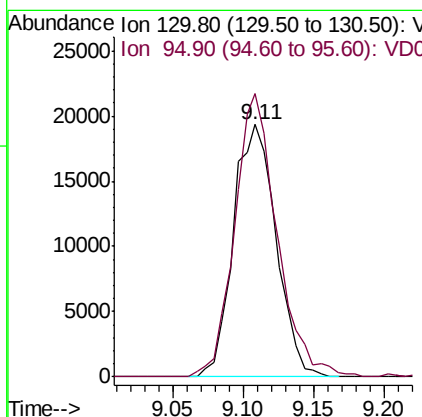
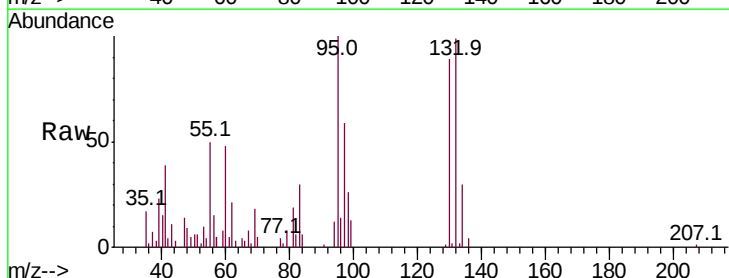
Manual Integrations
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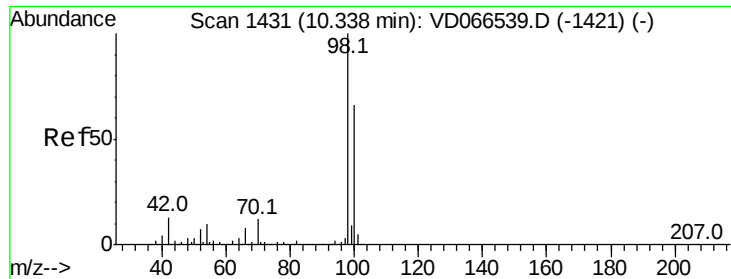
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#44
Trichloroethene
Concen: 8.079 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 130 Resp: 40847
Ion Ratio Lower Upper
130 100
95 112.1 0.0 194.4





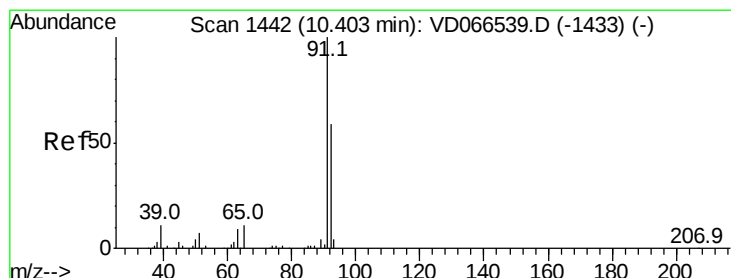
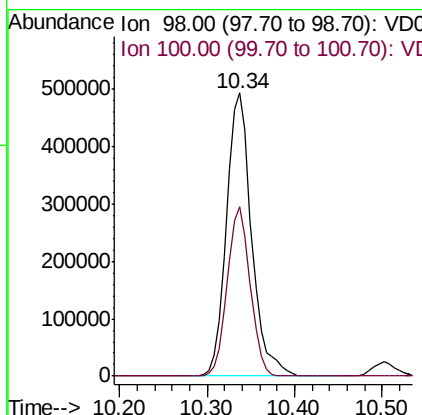
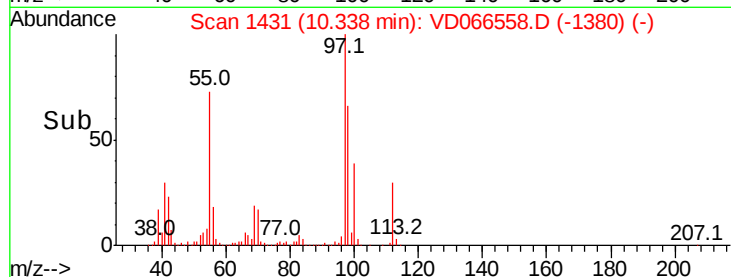
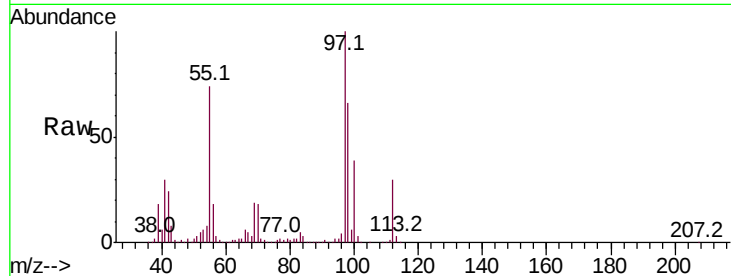
#50
Toluene-d8
Concen: 59.428 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
ClientSampled :
TP-1

Tot Ion: 98 Resp: 969051
Ion Ratio Lower Upper
98 100
100 54.5 52.9 79.3

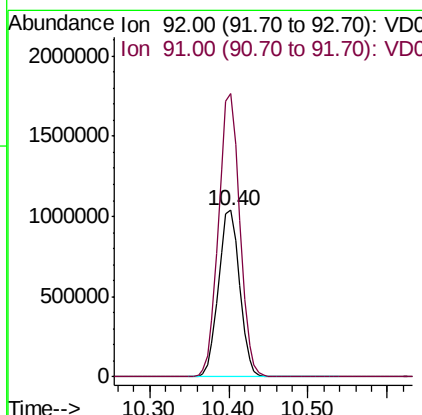
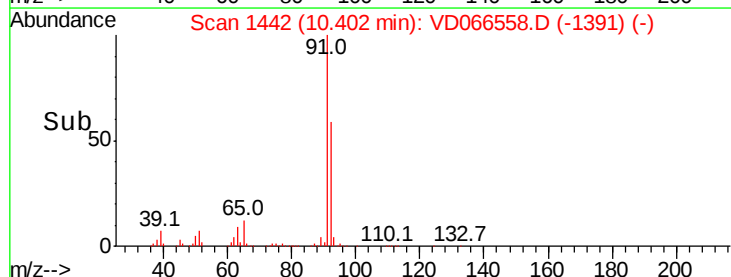
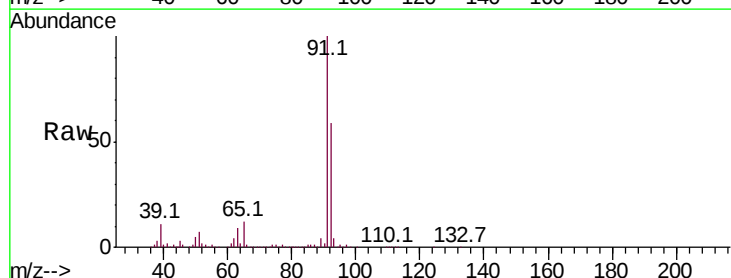
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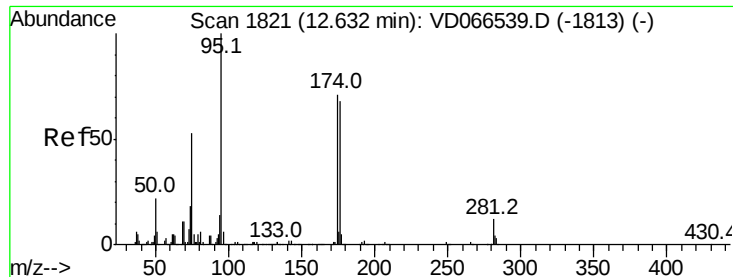
sam
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#52
Toluene
Concen: 158.233 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion: 92 Resp: 1930714
Ion Ratio Lower Upper
92 100
91 169.4 137.4 206.2





#62

4-Bromofluorobenzene

Concen: 60.870 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

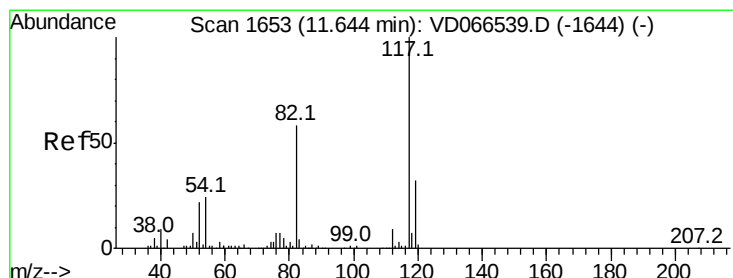
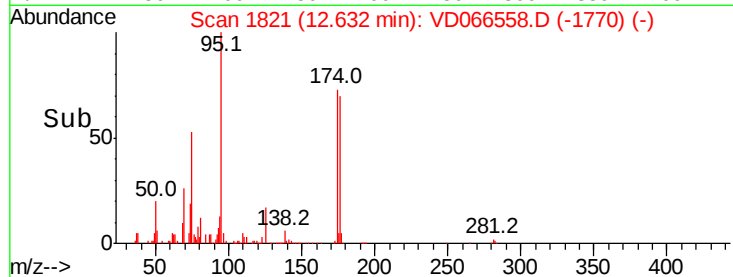
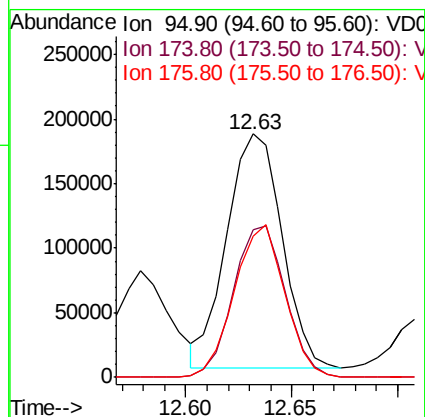
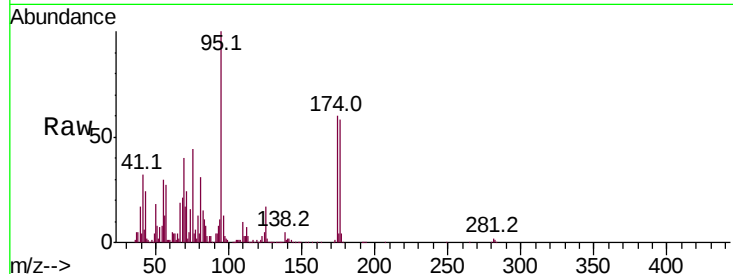
ClientSampled :

TP-1

Tot Ion:	95	Resp:	329124
Ion Ratio	Lower	Upper	
95	100		
174	61.0	0.0	155.8
176	59.6	0.0	148.6

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

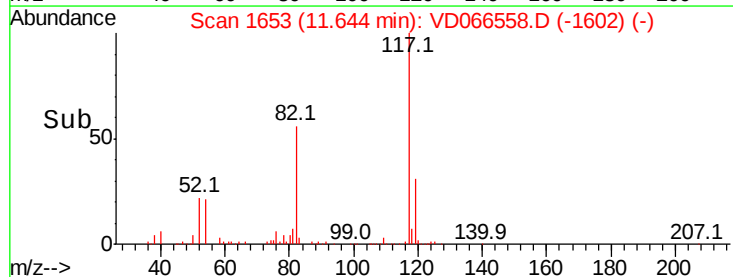
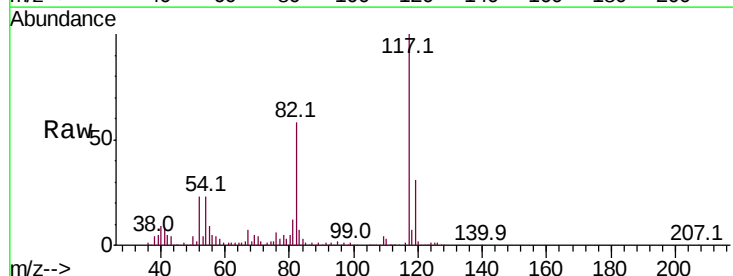
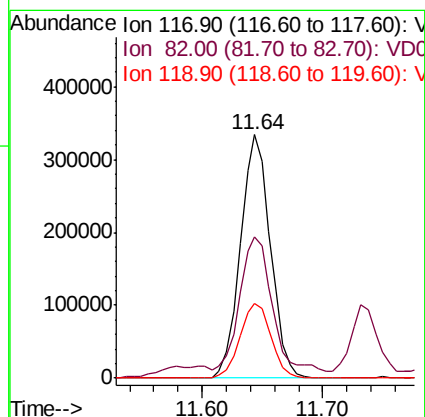
RT: 11.64 min Scan# 1653

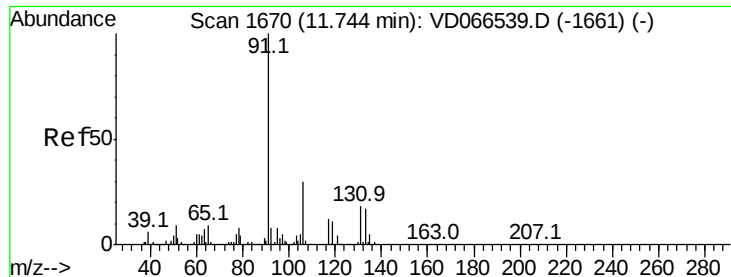
Delta R.T. -0.00 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Tgt Ion:	117	Resp:	577118
Ion Ratio	Lower	Upper	
117	100		
82	53.6	46.2	69.2
119	30.8	25.8	38.8





#67

Ethyl Benzene

Concen: 1319.136 ug/l m

RT: 11.73 min Scan# 1668

Delta R.T. -0.01 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampled :

TP-1

Tot Ion: 91 Resp:28851219

Ion Ratio Lower Upper

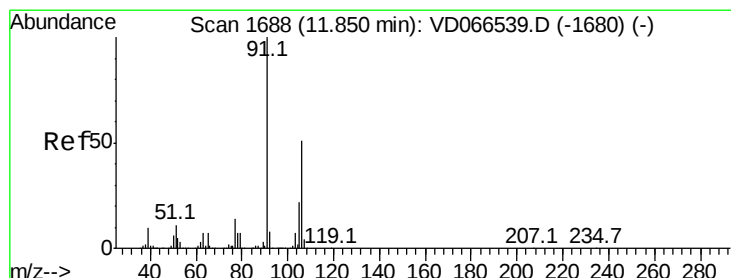
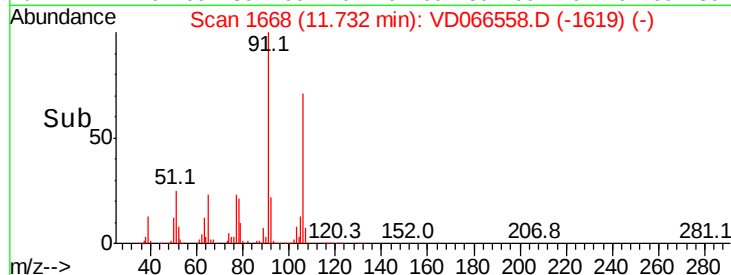
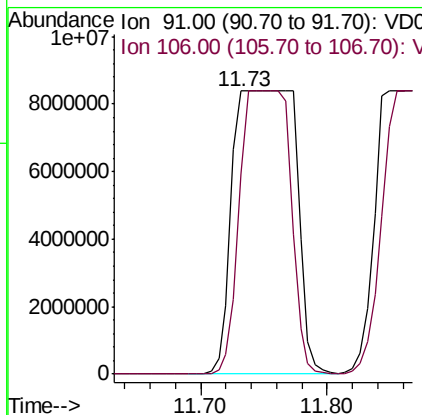
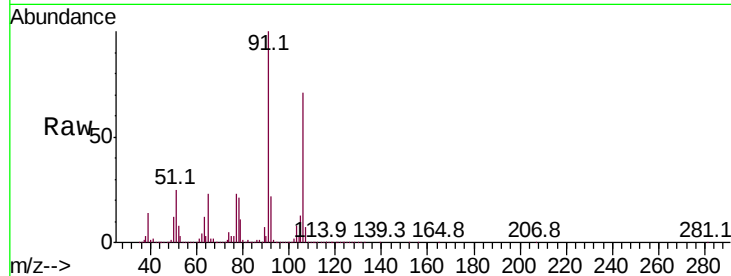
91 100

106 70.8 24.3 36.5#

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#68

m/p-Xylenes

Concen: 2288.220 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VD066558.D

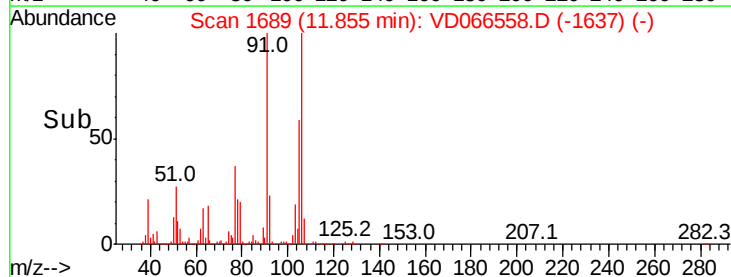
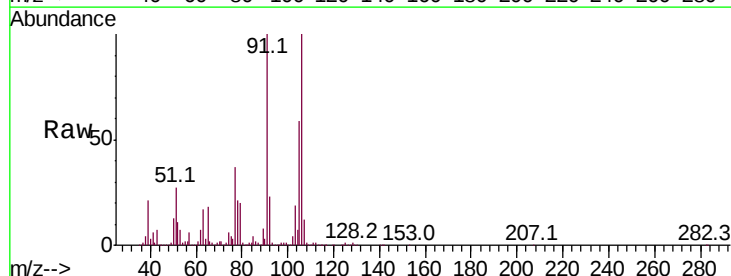
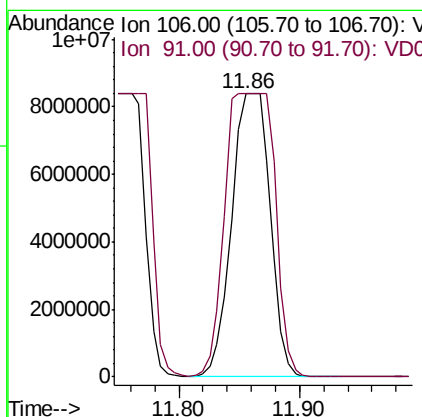
Acq: 04 Sep 2020 13:00

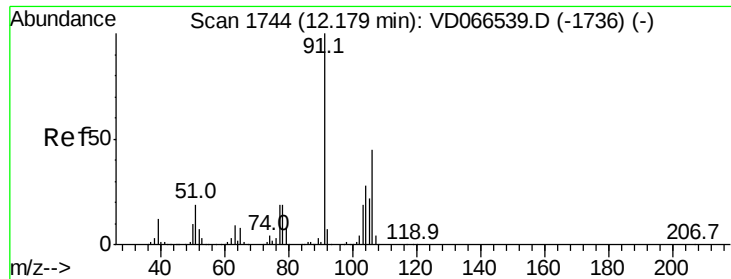
Tgt Ion:106 Resp:18582480

Ion Ratio Lower Upper

106 100

91 0.0 162.4 243.6#





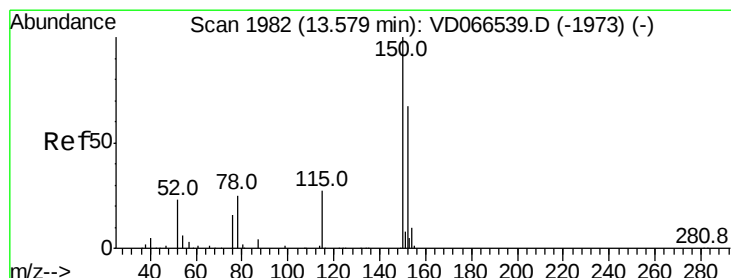
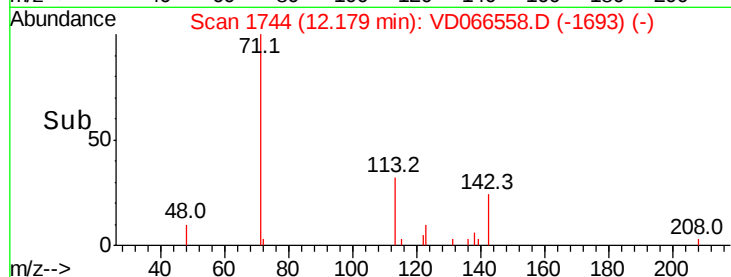
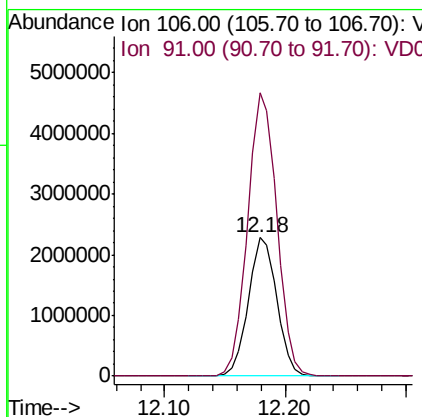
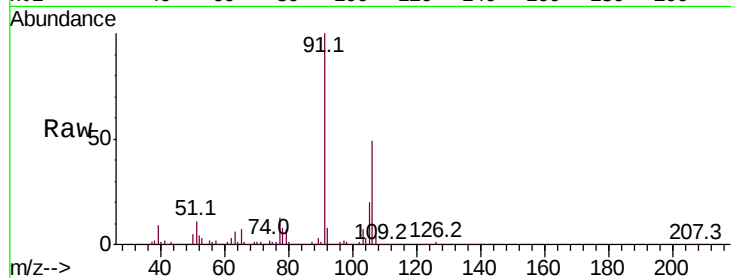
#69
o-Xylene
Concen: 518.055 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
Client Sampled :
TP-1

Tot Ion:106 Resp: 3770362
Ion Ratio Lower Upper
106 100
91 209.1 107.9 323.8

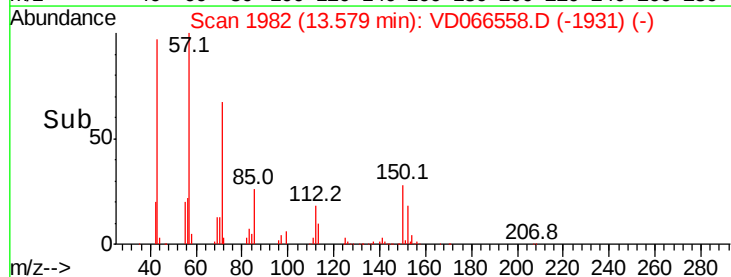
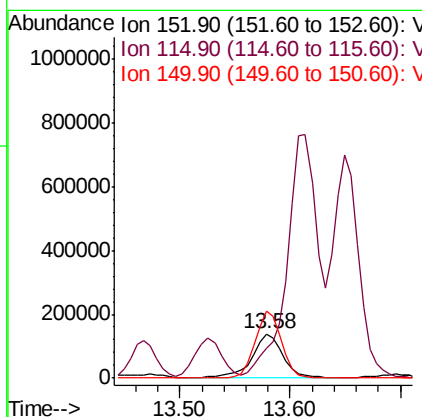
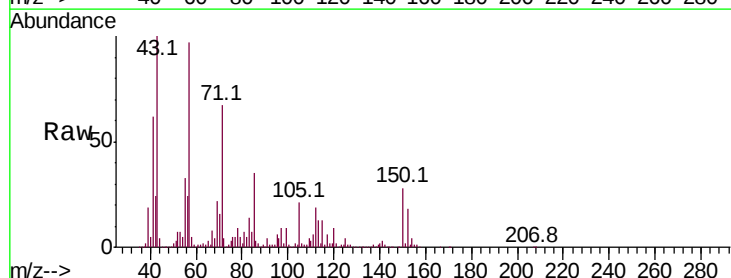
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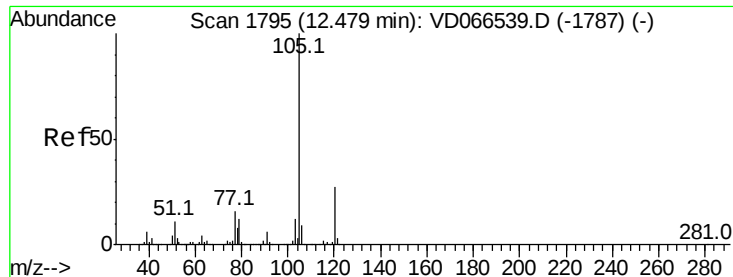
sam
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Tgt Ion:152 Resp: 262850
Ion Ratio Lower Upper
152 100
115 0.0 30.4 91.2#
150 131.3 0.0 345.8





#73

Isopropylbenzene

Concen: 221.164 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampleId :

TP-1

Tot Ion:105 Resp: 4304091

Ion Ratio Lower Upper

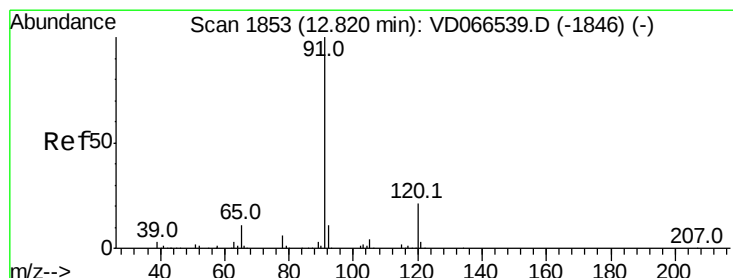
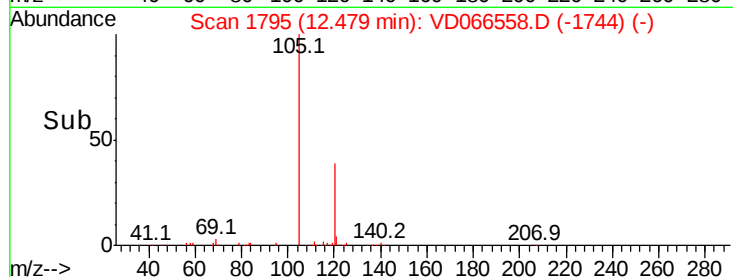
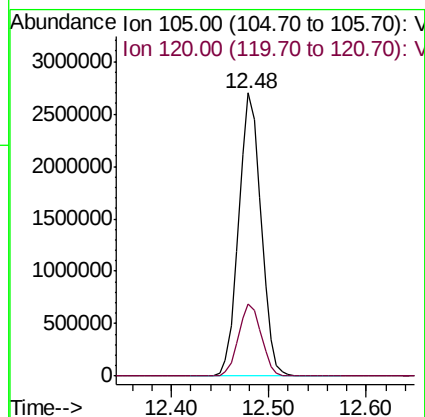
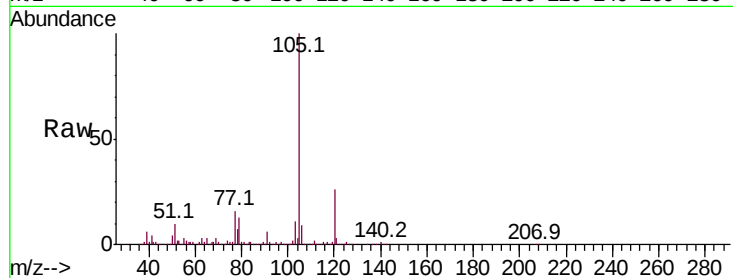
105 100

120 26.1 13.0 39.0

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#78

n-propylbenzene

Concen: 339.814 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066558.D

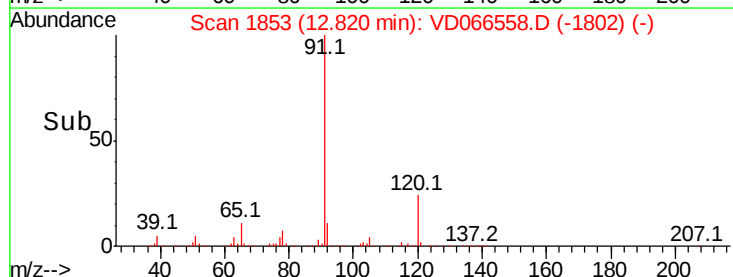
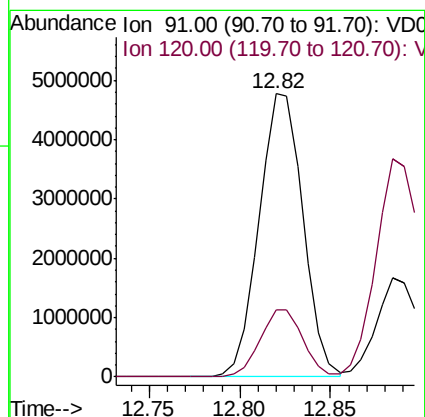
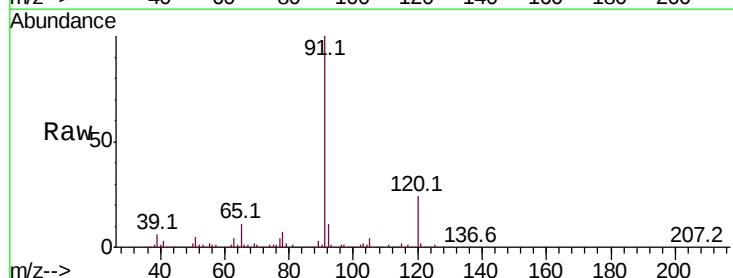
Acq: 04 Sep 2020 13:00

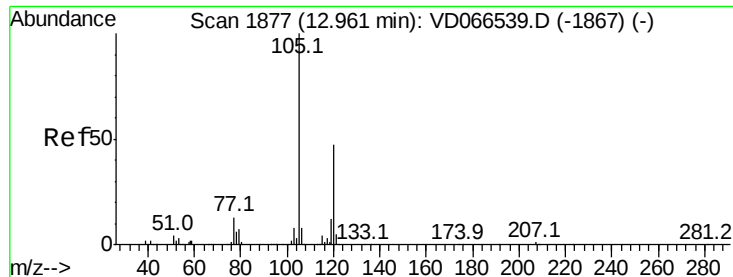
Tgt Ion: 91 Resp: 8016822

Ion Ratio Lower Upper

91 100

120 23.4 11.1 33.1





#80

1,3,5-Trimethylbenzene

Concen: 979.248 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

Instrument :

MSVOA_D

ClientSampled :

TP-1

Tot Ion:105 Resp:16039936

Ion Ratio Lower Upper

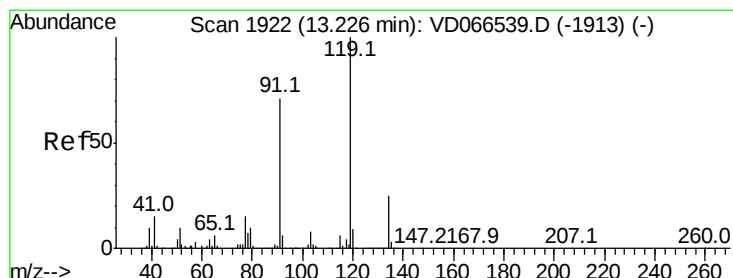
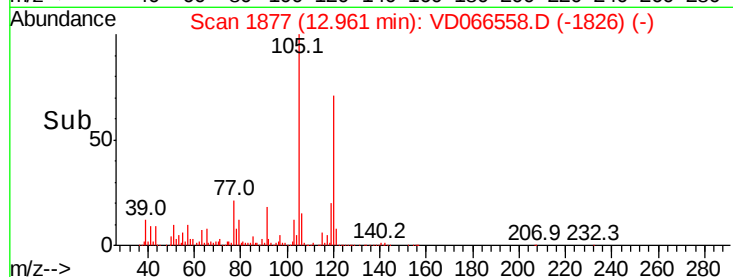
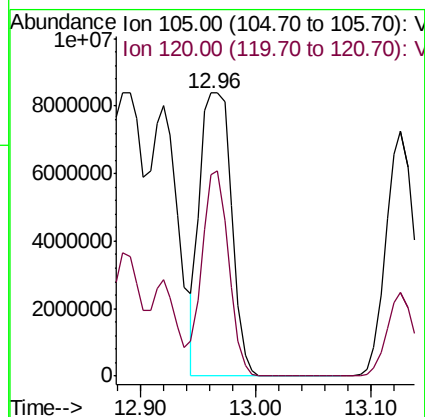
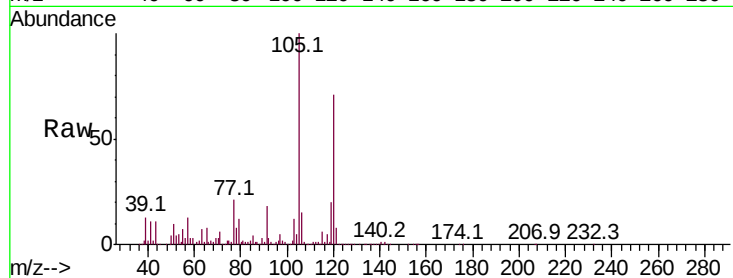
105 100

120 62.5 23.9 71.8

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#83

tert-Butylbenzene

Concen: 5.886 ug/l m

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD066558.D

Acq: 04 Sep 2020 13:00

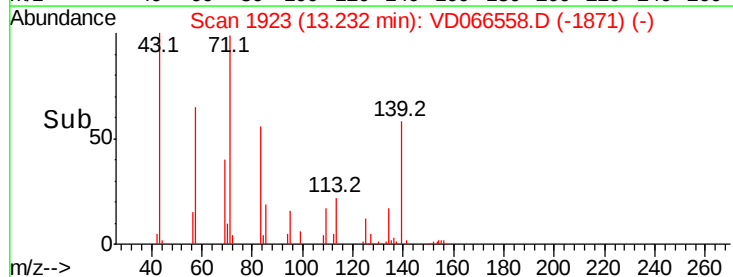
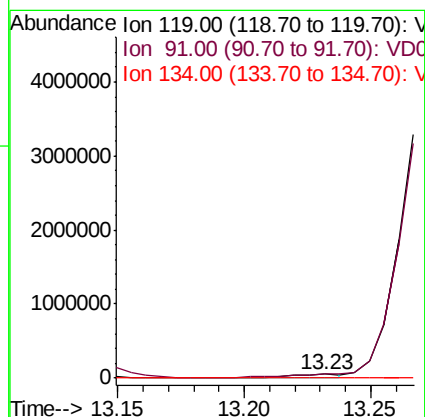
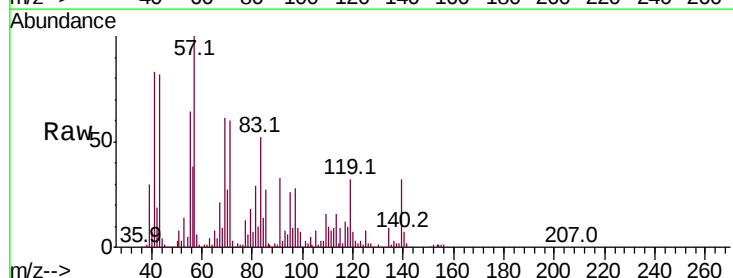
Tgt Ion:119 Resp: 78731

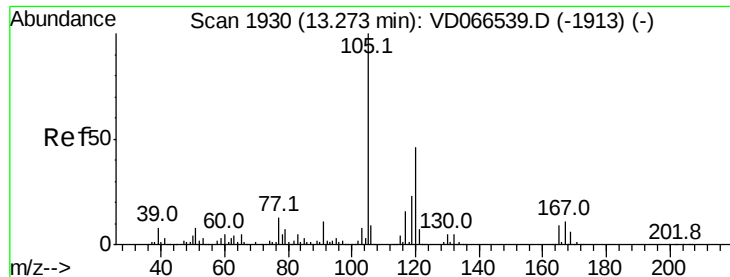
Ion Ratio Lower Upper

119 100

91 0.0 35.2 105.6#

134 0.0 13.5 40.5#





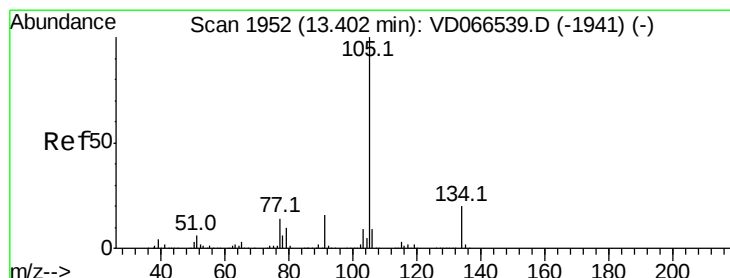
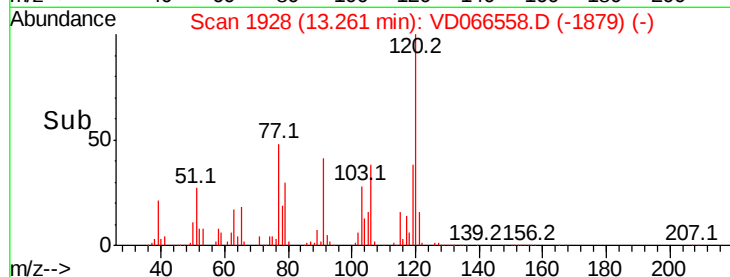
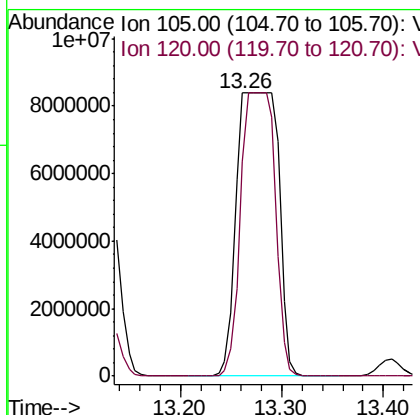
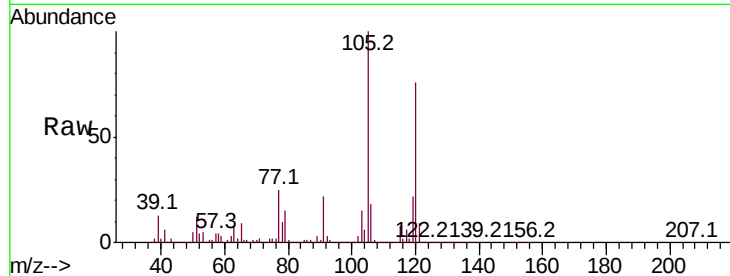
#84
 1,2,4-Trimethylbenzene
 Concen: 1476.993 ug/l m
 RT: 13.26 min Scan# 1928
 Delta R.T. -0.01 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

Instrument :
 MSVOA_D
 ClientSampled :
 TP-1

Tot Ion:105 Resp:24086840
 Ion Ratio Lower Upper
 105 100
 120 16.5 22.6 67.7#

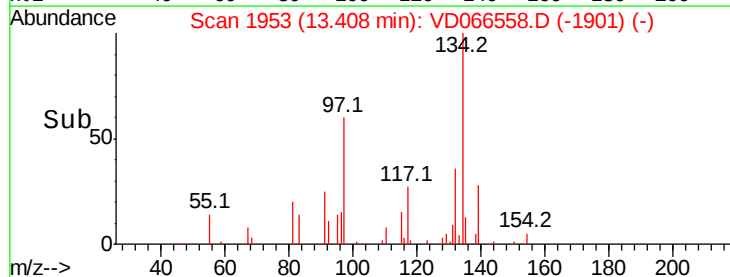
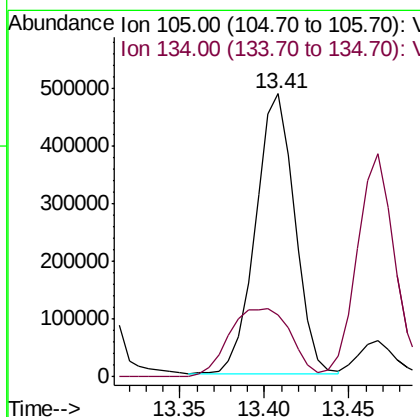
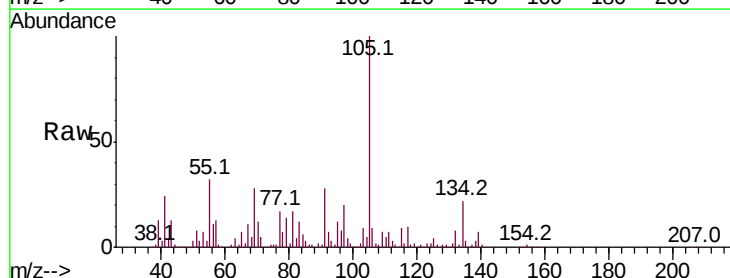
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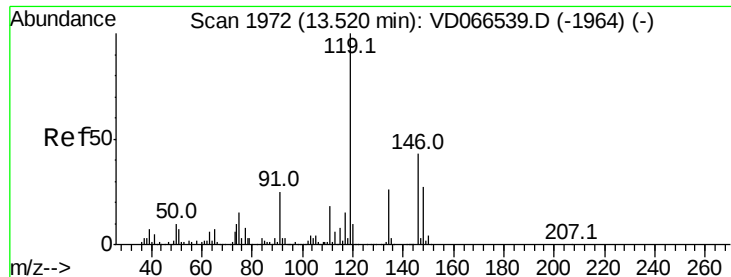
sam
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#85
 sec-Butylbenzene
 Concen: 40.592 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.01 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

Tgt Ion:105 Resp: 782246
 Ion Ratio Lower Upper
 105 100
 134 38.5 9.8 29.5#





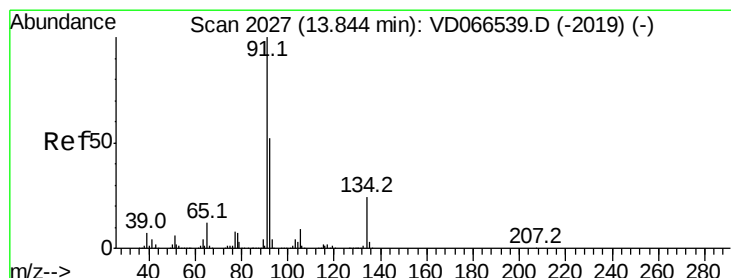
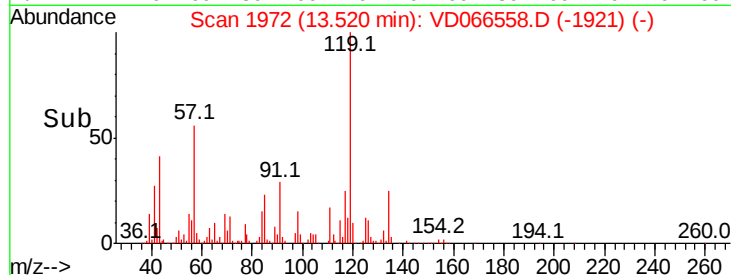
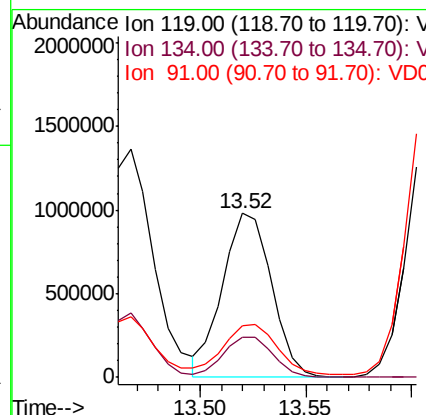
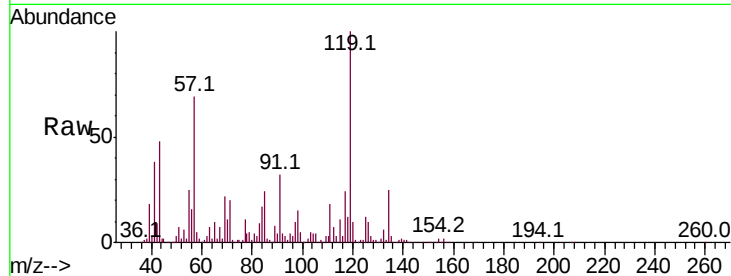
#86
 p-Isopropyltoluene
 Concen: 91.009 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.7	38.0
91	32.8	12.5	37.5

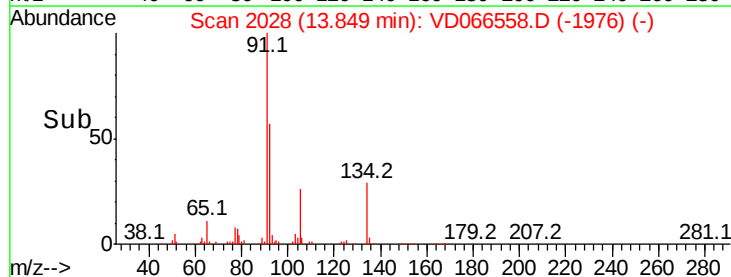
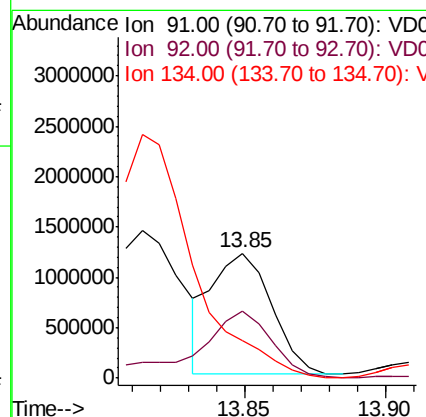
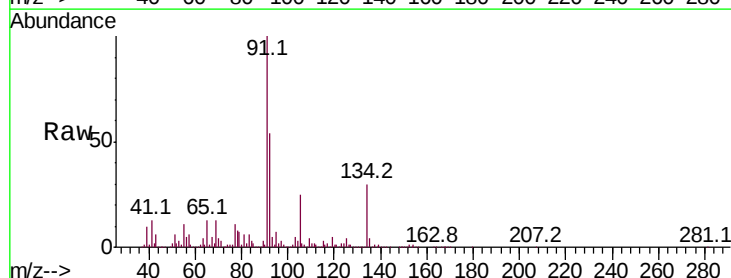
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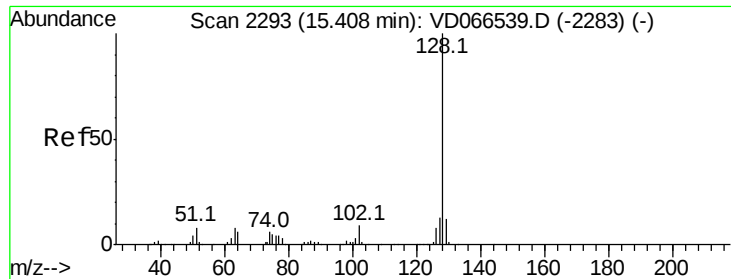
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#89
 n-Butylbenzene
 Concen: 103.773 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. 0.01 min
 Lab File: VD066558.D
 Acq: 04 Sep 2020 13:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	67.8	26.5	79.5
134	0.0	12.1	36.3#





#95
Naphthalene
Concen: 4764.229 ug/l m
RT: 15.39 min Scan# 2290
Delta R.T. -0.02 min
Lab File: VD066558.D
Acq: 04 Sep 2020 13:00

Instrument :
MSVOA_D
ClientSampleId :
TP-1

Tot Ion:128 Resp:37616617
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 9.1 13.7#

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