

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065139.D
 Acq On : 10 Feb 2020 18:10
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 6:09:35 PM

Quant Time: Feb 11 08:36:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	411203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	609364	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	552903	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	270834	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	197685	56.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.12%	
35) Dibromofluoromethane	7.92	113	199819	58.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.54%	
50) Toluene-d8	10.34	98	784698	57.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.98%	
62) 4-Bromofluorobenzene	12.64	95	246853	57.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	188114	54.974	ug/l	99
3) Chloromethane	2.21	50	235715	58.518	ug/l	97
4) Vinyl Chloride	2.35	62	251059	58.934	ug/l	97
5) Bromomethane	2.77	94	153538	55.586	ug/l	100
6) Chloroethane	2.93	64	152959	57.884	ug/l	97
7) Trichlorofluoromethane	3.27	101	359066	57.918	ug/l	97
8) Diethyl Ether	3.71	74	102533	57.611	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	210779	55.615	ug/l	99
10) Methyl Iodide	4.30	142	238884	55.223	ug/l	98
11) Tert butyl alcohol	5.26	59	60174	281.803	ug/l	96
12) 1,1-Dichloroethene	4.06	96	199134	54.862	ug/l	97
13) Acrolein	3.93	56	71207	271.121	ug/l	100
14) Allyl chloride	4.71	41	335080	55.545	ug/l	99
15) Acrylonitrile	5.43	53	229633	295.123	ug/l	100
16) Acetone	4.16	43	266126	304.569	ug/l	99
17) Carbon Disulfide	4.40	76	649337	55.716	ug/l	99
18) Methyl Acetate	4.73	43	105802	57.955	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	460592	57.383	ug/l	95
20) Methylene Chloride	4.96	84	230596	60.786	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	235133	57.257	ug/l	96
22) Diisopropyl ether	6.37	45	683204	60.041	ug/l	98
23) Vinyl Acetate	6.31	43	1748749	275.724	ug/l	100
24) 1,1-Dichloroethane	6.27	63	401438	58.285	ug/l	97
25) 2-Butanone	7.23	43	313537	300.816	ug/l	100
26) 2,2-Dichloropropane	7.21	77	345813	56.017	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	251086	57.552	ug/l	99
28) Bromochloromethane	7.55	49	160609	61.516	ug/l	97
29) Tetrahydrofuran	7.57	42	188519	299.090	ug/l	98
30) Chloroform	7.71	83	409341	59.689	ug/l	98
31) Cyclohexane	7.99	56	368054	52.939	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	362407	56.730	ug/l	99
36) 1,1-Dichloropropene	8.11	75	323149	57.031	ug/l	99
37) Ethyl Acetate	7.30	43	132888	57.407	ug/l	98
38) Carbon Tetrachloride	8.10	117	331869	57.347	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	383936	54.896	ug/l	99
40) Benzene	8.36	78	915342	58.500	ug/l	100
41) Methacrylonitrile	7.53	41	62190m	48.765	ug/l	
42) 1,2-Dichloroethane	8.43	62	259834	58.280	ug/l	99
43) Isopropyl Acetate	8.46	43	256829	58.000	ug/l	99
44) Trichloroethene	9.11	130	256596	57.133	ug/l	100
45) 1,2-Dichloropropane	9.39	63	228022	60.781	ug/l	96
46) Dibromomethane	9.48	93	117618	59.664	ug/l	99
47) Bromodichloromethane	9.67	83	311895	60.046	ug/l	98
48) Methyl methacrylate	9.46	41	121850	57.185	ug/l	98
49) 1,4-Dioxane	9.47	88	27029	1157.603	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	654828	300.437	ug/l	98
52) Toluene	10.41	92	588869	58.966	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	295215	58.374	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	360077	59.531	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	164557	60.857	ug/l	98
56) Ethyl methacrylate	10.67	69	205692	60.121	ug/l	98
57) 1,3-Dichloropropane	10.95	76	287181	60.399	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	297643	270.845	ug/l	98
59) 2-Hexanone	10.99	43	489716	317.204	ug/l	99
60) Dibromochloromethane	11.14	129	212739	60.742	ug/l	100
61) 1,2-Dibromoethane	11.25	107	153586	58.130	ug/l	99
64) Tetrachloroethene	10.88	164	279624	70.383	ug/l	98
65) Chlorobenzene	11.68	112	610537	57.091	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	231835	58.738	ug/l	99
67) Ethyl Benzene	11.75	91	1118635	57.576	ug/l	98
68) m/p-Xylenes	11.86	106	859479	115.903	ug/l	99
69) o-Xylene	12.18	106	388881	58.235	ug/l	99
70) Styrene	12.20	104	693194	59.727	ug/l	99
71) Bromoform	12.37	173	124781	58.736	ug/l	# 99
73) Isopropylbenzene	12.48	105	1028465	55.326	ug/l	99
74) N-amyl acetate	12.30	43	228824	56.634	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	169253	57.852	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	92048m	44.891	ug/l	
77) Bromobenzene	12.77	156	247633	55.291	ug/l	98
78) n-propylbenzene	12.83	91	1226208	56.327	ug/l	99
79) 2-Chlorotoluene	12.91	91	684710	56.427	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	856320	56.308	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	59161	57.702	ug/l	97
82) 4-Chlorotoluene	13.01	91	721595	56.621	ug/l	100
83) tert-Butylbenzene	13.23	119	730838	55.703	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	858261	56.846	ug/l	99
85) sec-Butylbenzene	13.41	105	1006229	56.152	ug/l	100
86) p-Isopropyltoluene	13.53	119	948658	56.978	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	482345	57.521	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	470081	56.324	ug/l	99
89) n-Butylbenzene	13.85	91	870417	56.640	ug/l	99
90) Hexachloroethane	14.12	117	179884	57.057	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	405588	56.469	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26457	55.397	ug/l	96

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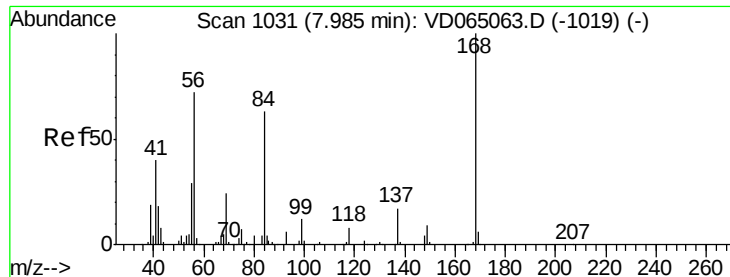
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	269160	52.431	ug/l	99
94) Hexachlorobutadiene	15.28	225	161783	51.254	ug/l	98
95) Naphthalene	15.41	128	465046	54.503	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	234375	53.375	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 411203

Ion Ratio Lower Upper

168 100

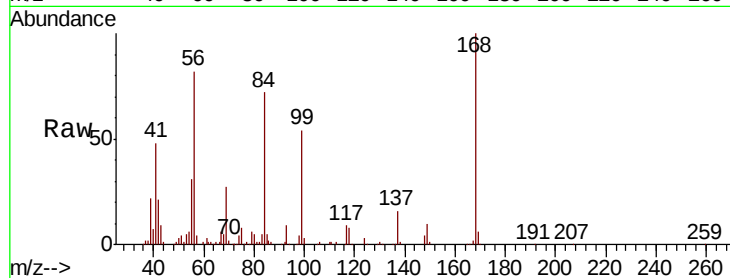
99 54.0 41.0 61.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

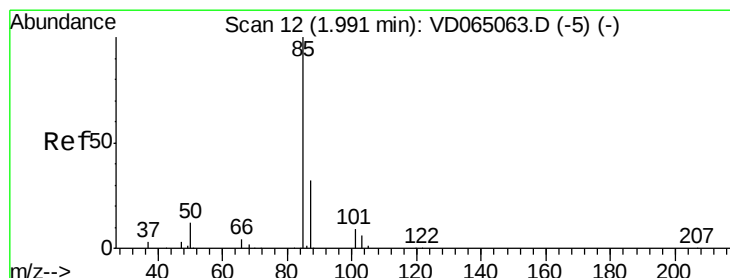
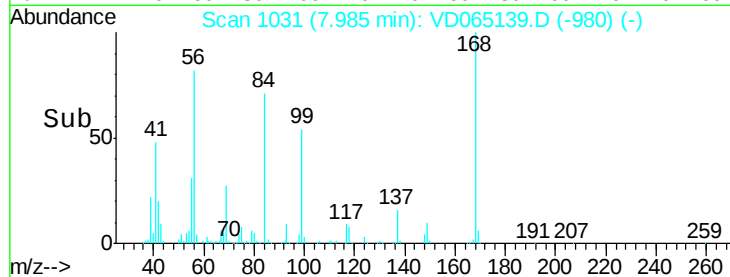
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.974 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065139.D

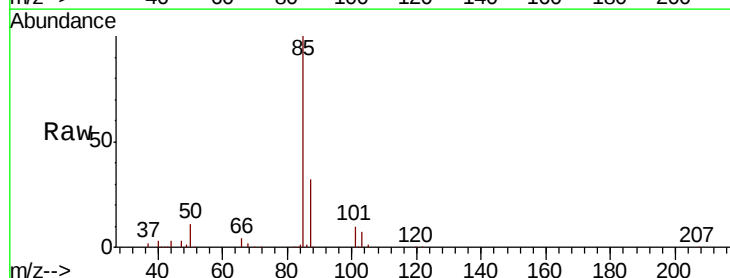
Acq: 10 Feb 2020 18:10

Tgt Ion: 85 Resp: 188114

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

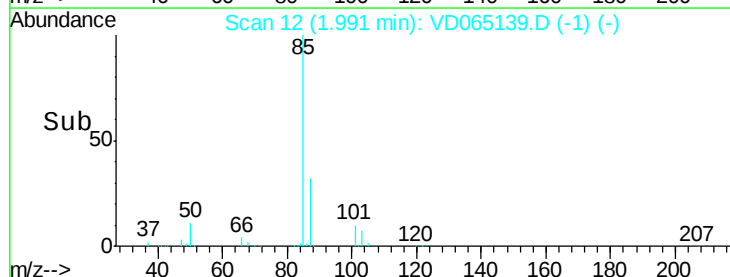
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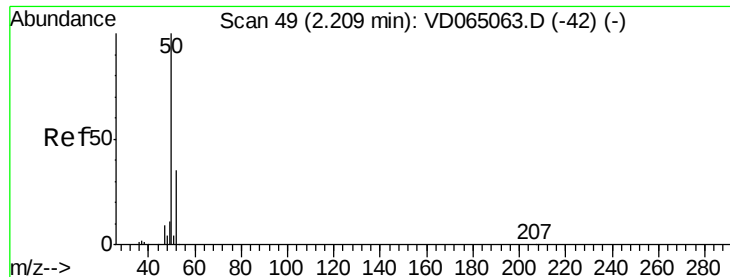
50000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 58.518 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 235715

Ion Ratio Lower Upper

50 100

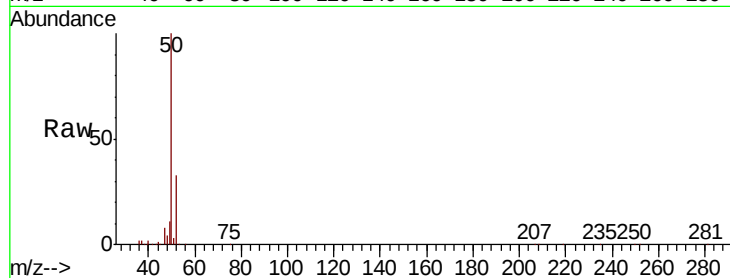
52 32.8 27.8 41.6

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

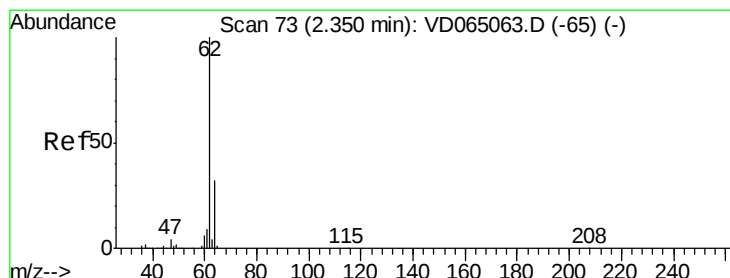
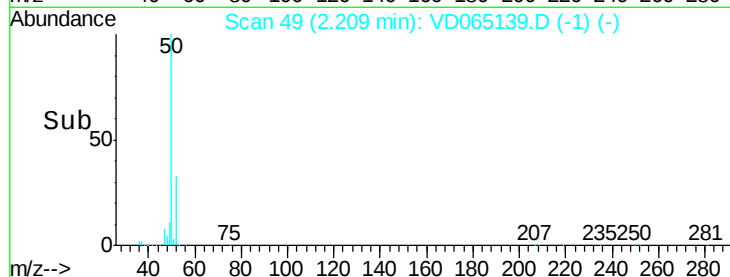
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 58.934 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065139.D

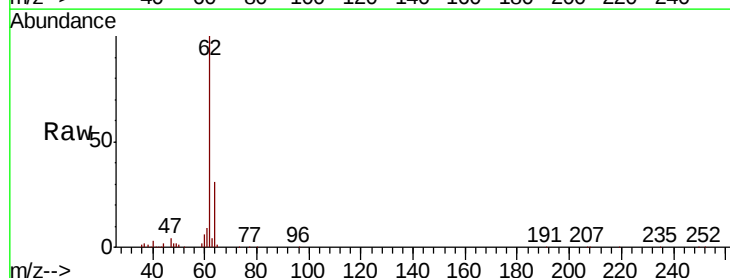
Acq: 10 Feb 2020 18:10

Tgt Ion: 62 Resp: 251059

Ion Ratio Lower Upper

62 100

64 30.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

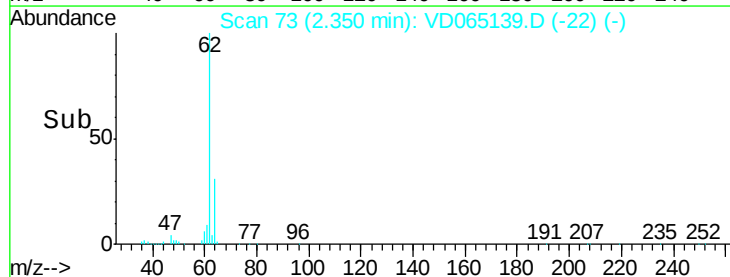
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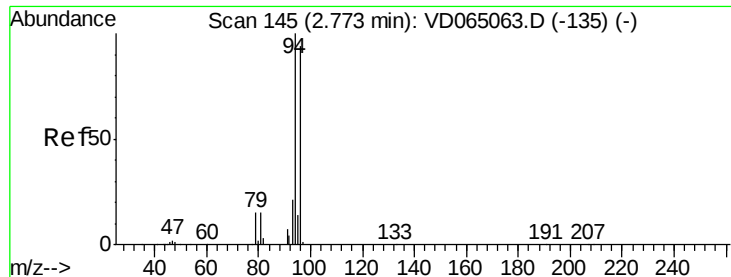
100000

50000

0

Time-->





#5

Bromomethane

Concen: 55.586 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 153538

Ion Ratio Lower Upper

94 100

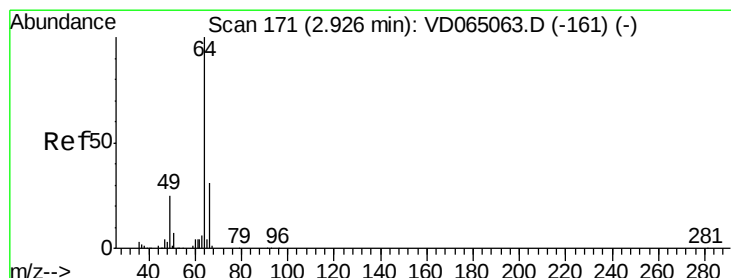
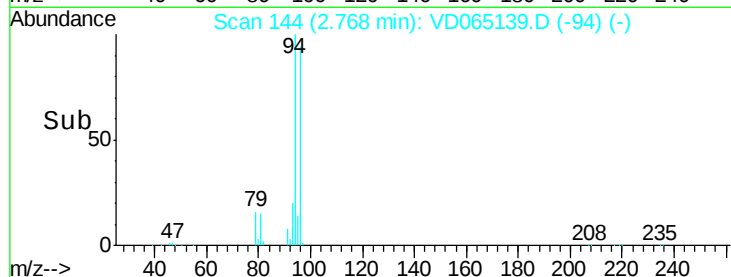
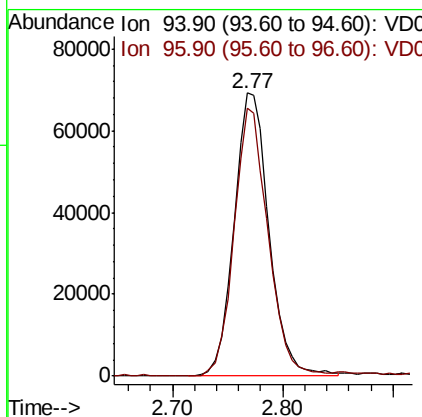
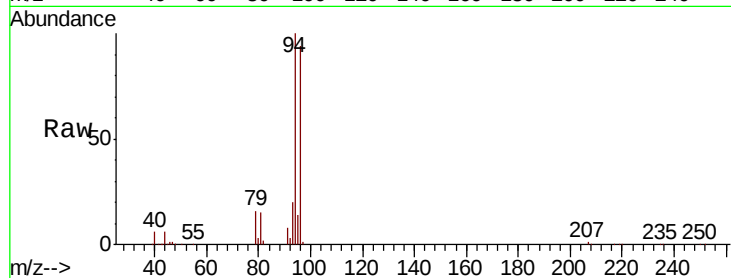
96 94.5 75.4 113.0

Manual Integrations

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2/11/2020 6:09:35 PM



#6

Chloroethane

Concen: 57.884 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065139.D

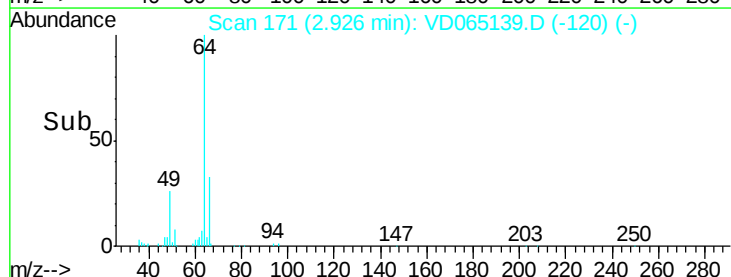
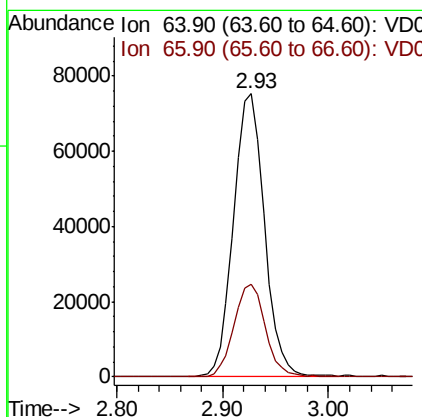
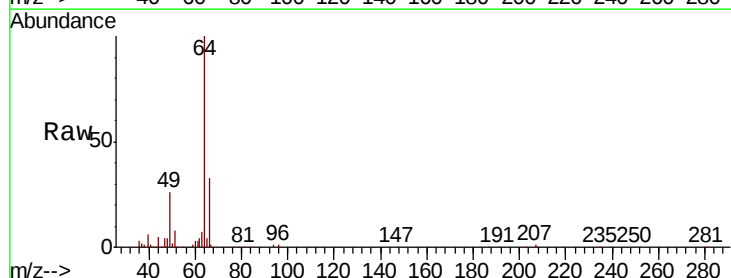
Acq: 10 Feb 2020 18:10

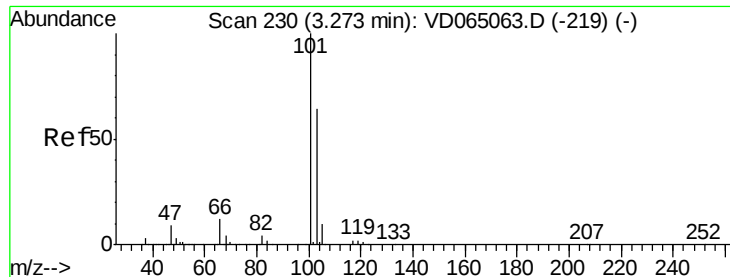
Tgt Ion: 64 Resp: 152959

Ion Ratio Lower Upper

64 100

66 32.8 24.8 37.2





#7

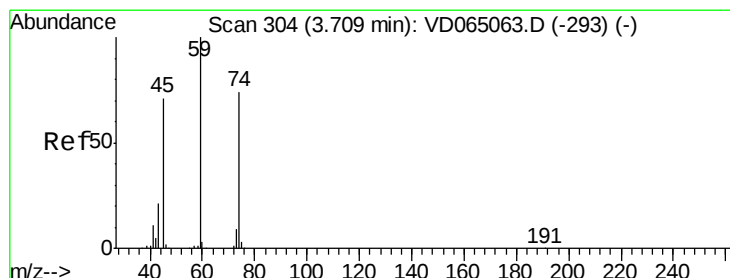
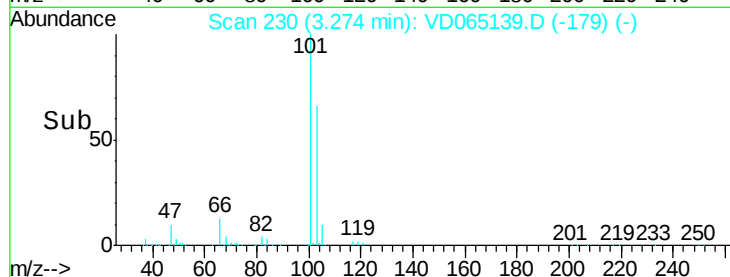
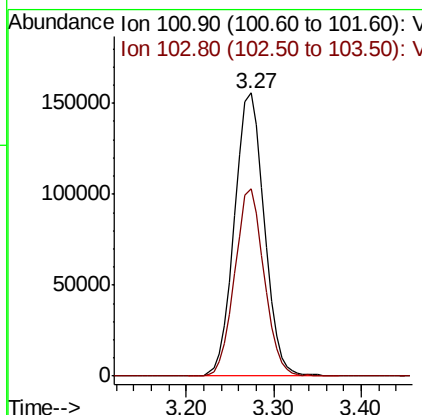
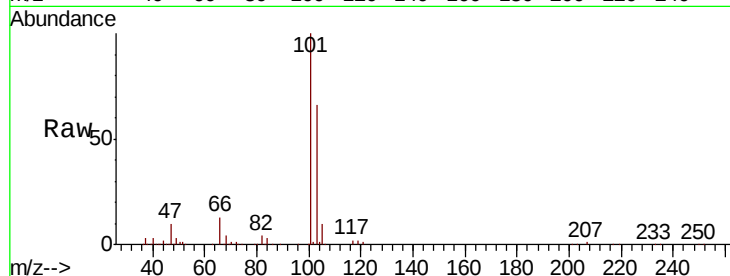
Trichlorofluoromethane
 Concen: 57.918 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	51.0	76.6

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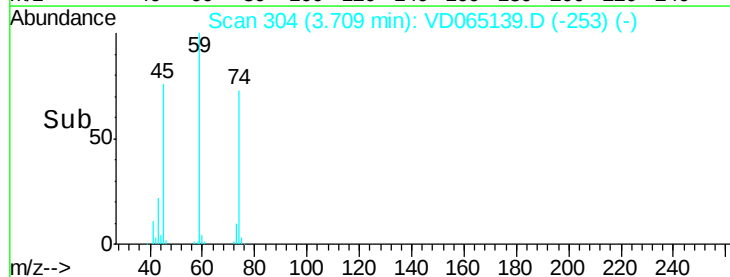
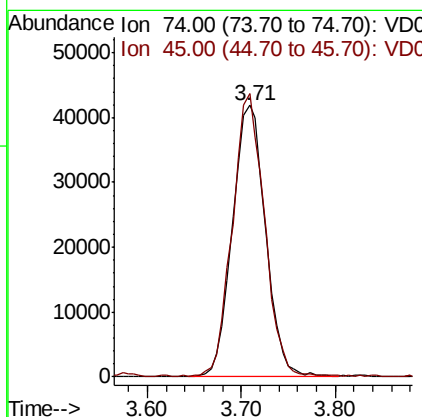
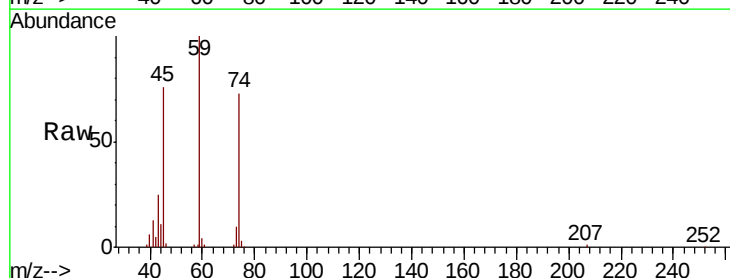
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 2/11/2020 6:09:35 PM

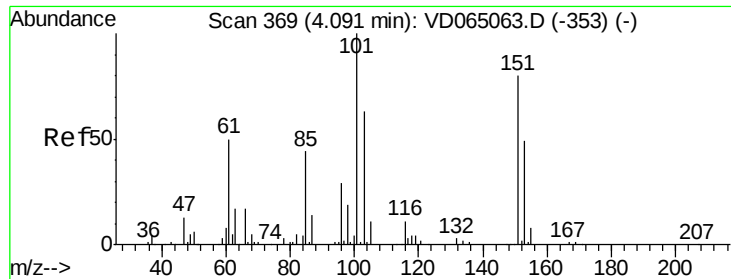


#8

Diethyl Ether
 Concen: 57.611 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 55.615 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

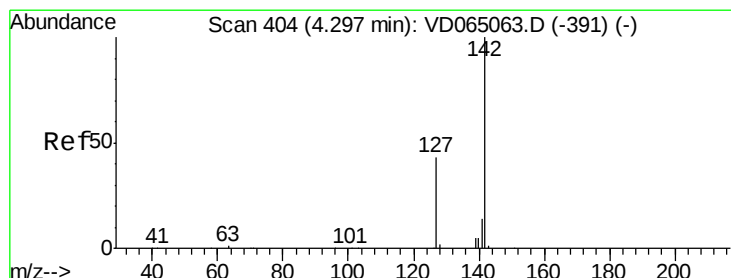
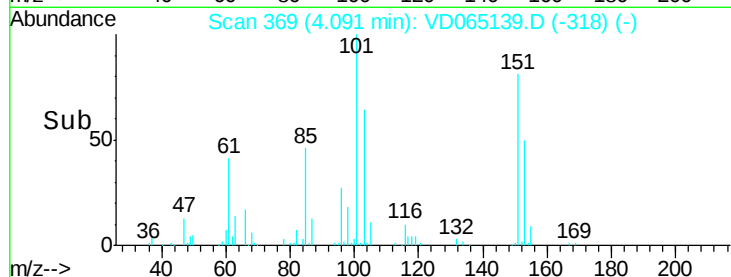
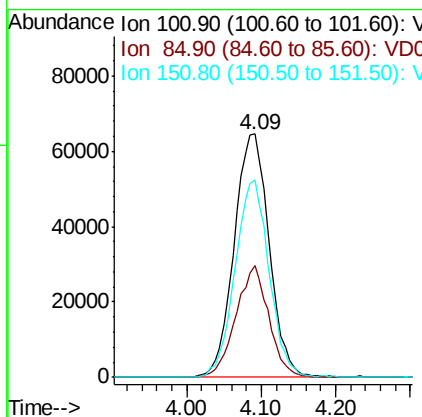
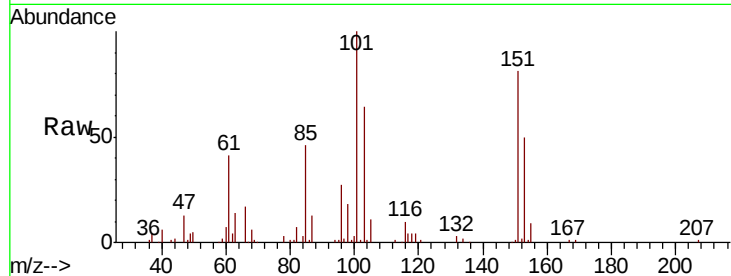
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	210779
Ion Ratio	Lower	Upper	
101	100		
85	42.9	34.0	51.0
151	78.7	64.0	96.0

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#10

Methyl Iodide

Concen: 55.223 ug/l

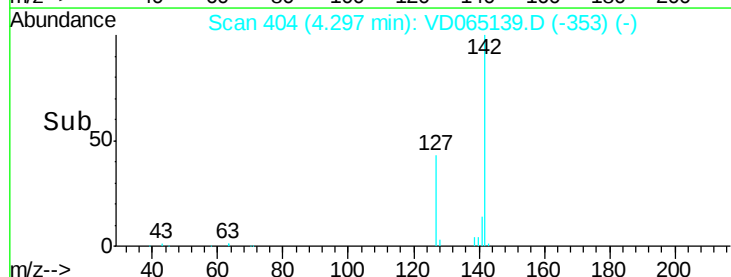
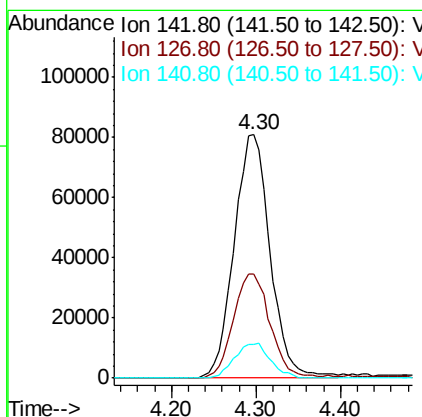
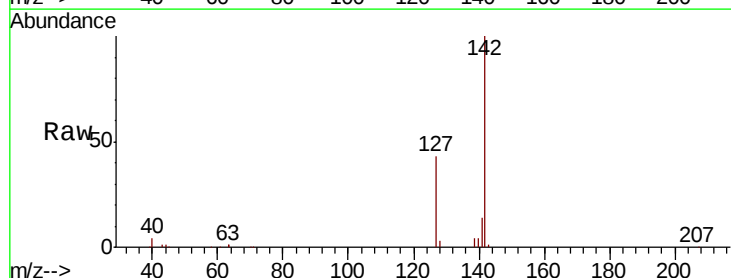
RT: 4.30 min Scan# 404

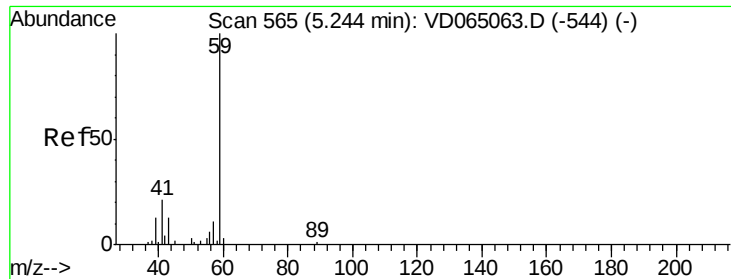
Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Tgt Ion:	142	Resp:	238884
Ion Ratio	Lower	Upper	
142	100		
127	44.2	34.0	51.0
141	14.2	11.6	17.4





#11

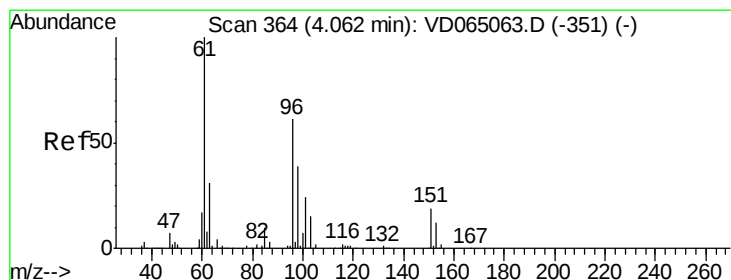
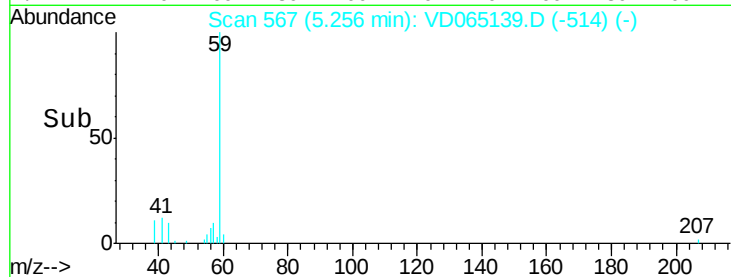
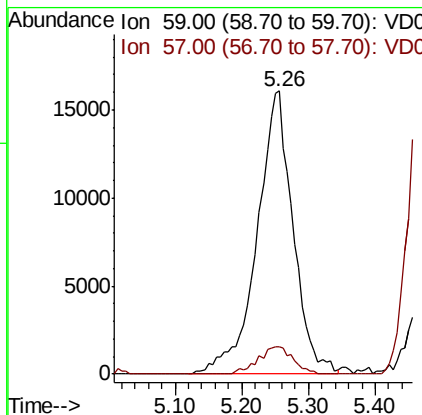
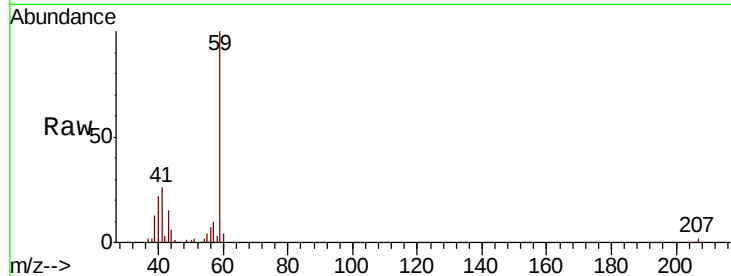
Tert butyl alcohol
 Concen: 281.803 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.4	8.8	13.2

Manual Integrations
 APPROVED

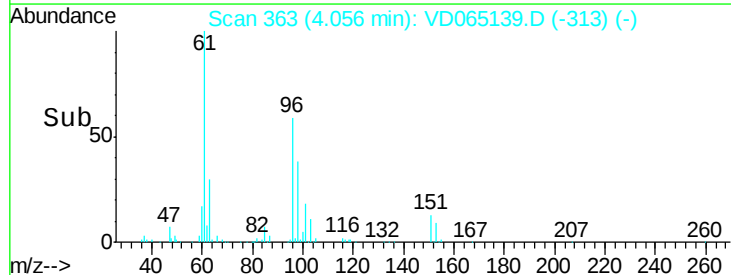
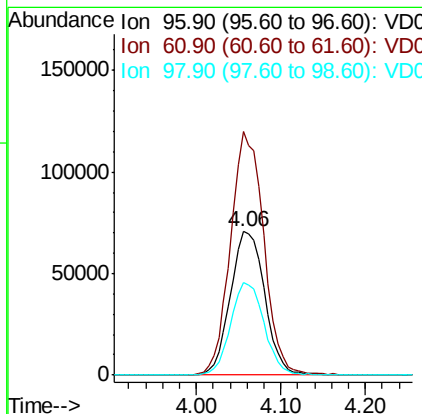
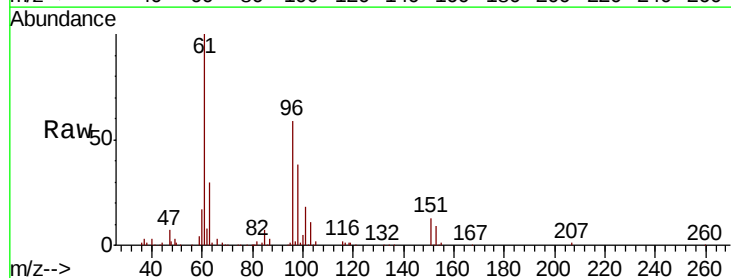
MMDadoda
 2/11/2020 6:09:35 PM



#12

1,1-Dichloroethene
 Concen: 54.862 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.0	131.4	197.2
98	64.5	51.1	76.7





#13

Acrolein

Concen: 271.121 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 71207

Ion Ratio Lower Upper

56 100

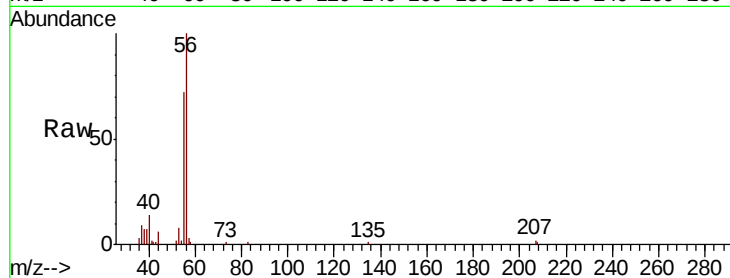
55 72.5 58.2 87.2

Manual Integrations

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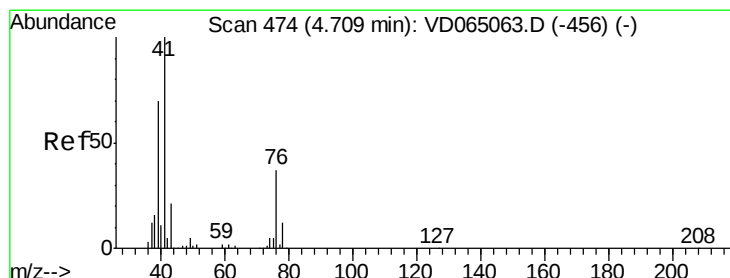
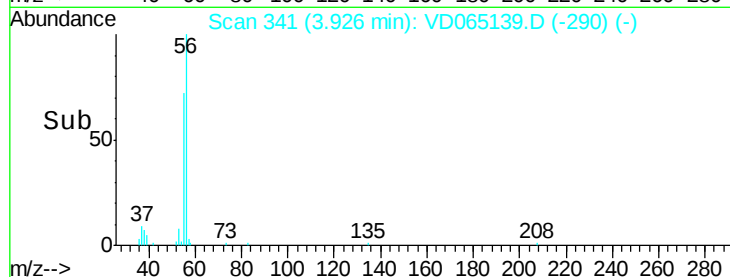
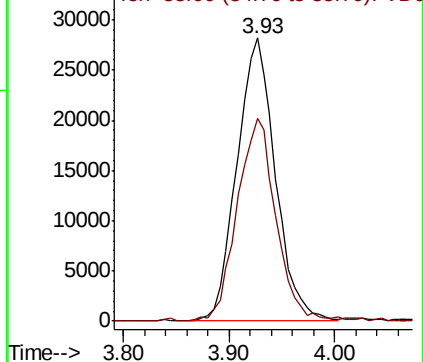
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 55.545 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

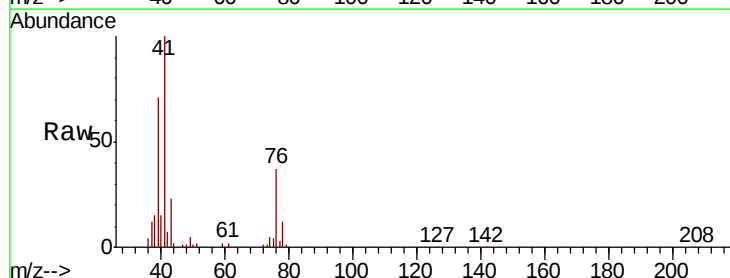
Tgt Ion: 41 Resp: 335080

Ion Ratio Lower Upper

41 100

39 71.3 57.1 85.7

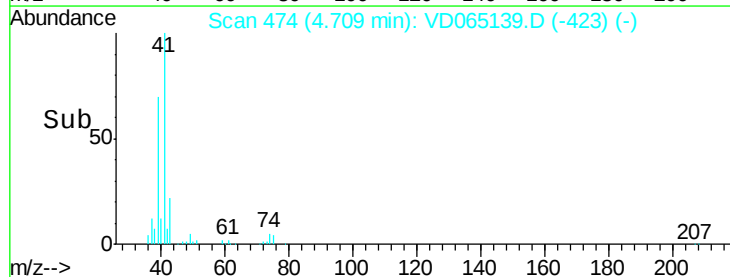
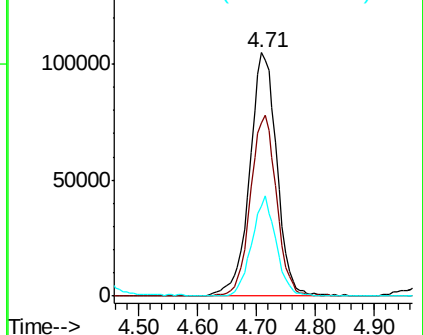
76 36.1 28.0 42.0

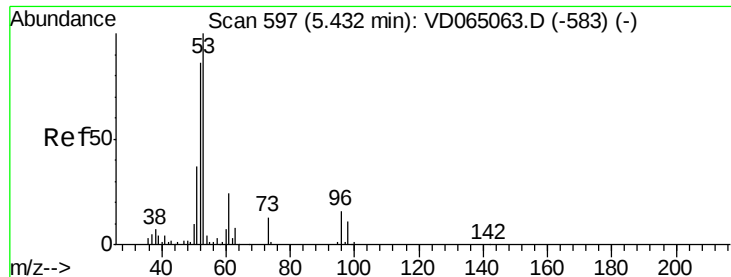


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 295.123 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

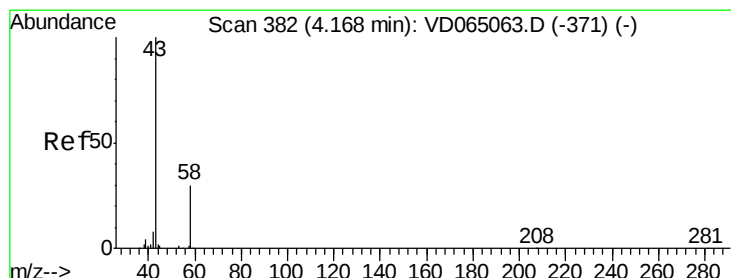
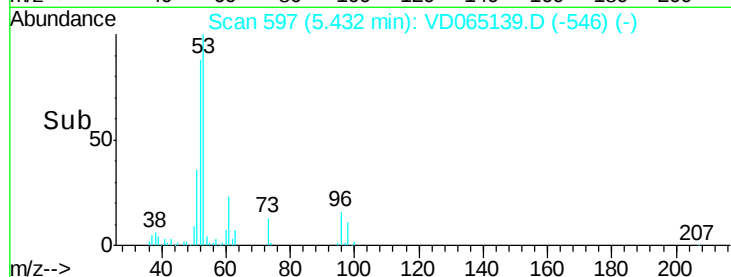
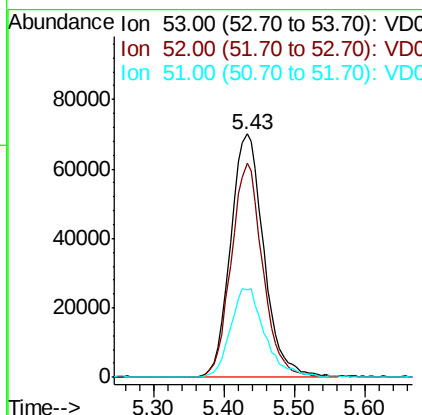
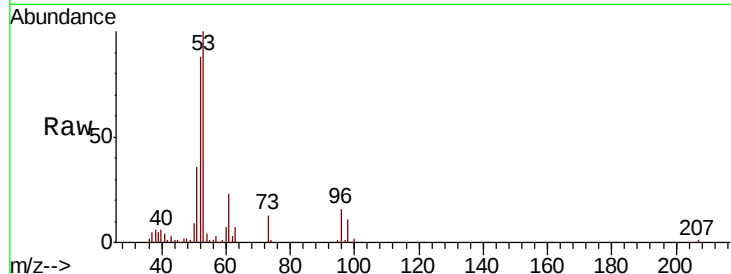
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	229633
Ion Ratio		Lower	Upper
53	100		
52	83.2	66.2	99.2
51	37.9	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 304.569 ug/l

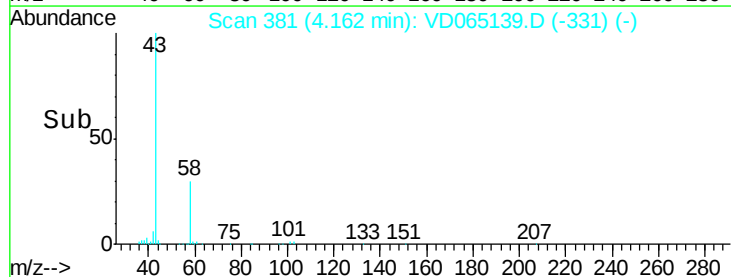
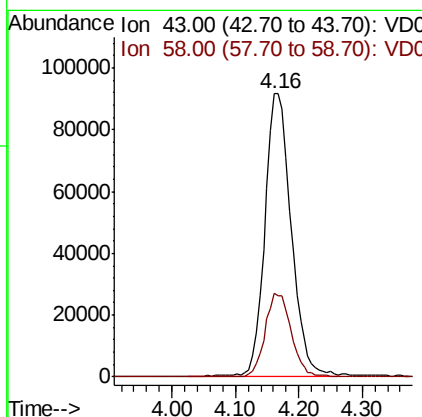
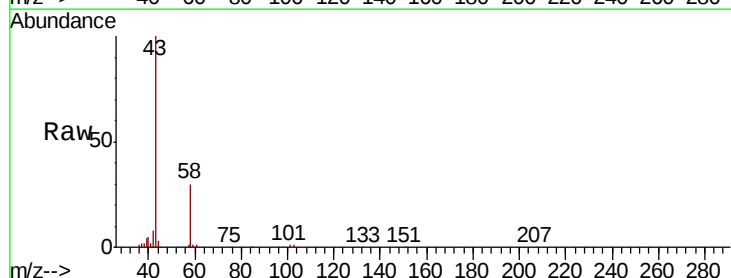
RT: 4.16 min Scan# 381

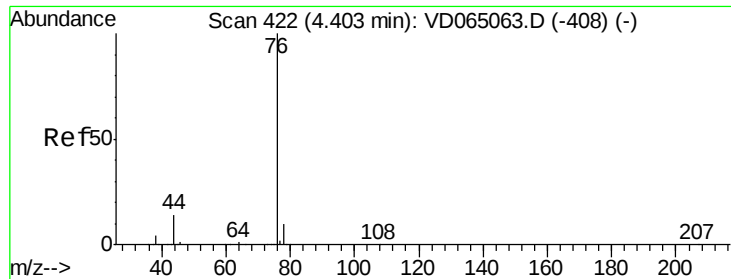
Delta R.T. -0.01 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Tgt Ion:	43	Resp:	266126
Ion Ratio		Lower	Upper
43	100		
58	29.7	23.5	35.3





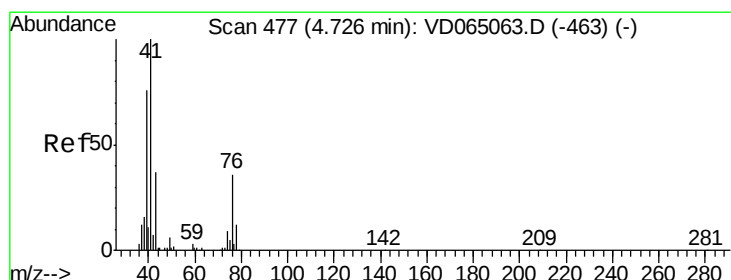
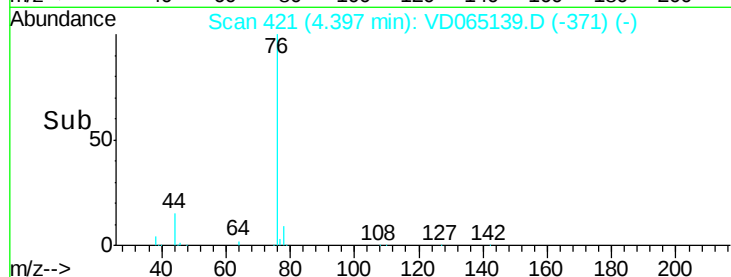
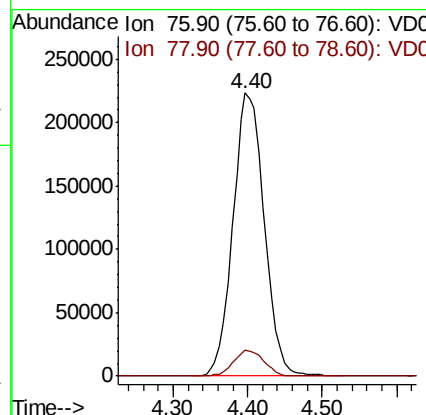
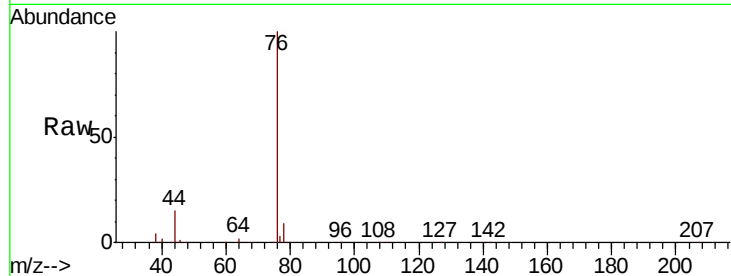
#17
Carbon Disulfide
Concen: 55.716 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.6	11.4

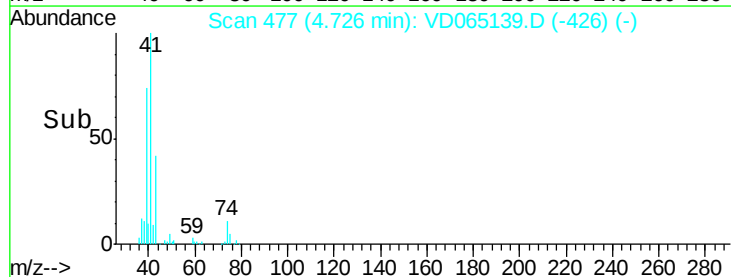
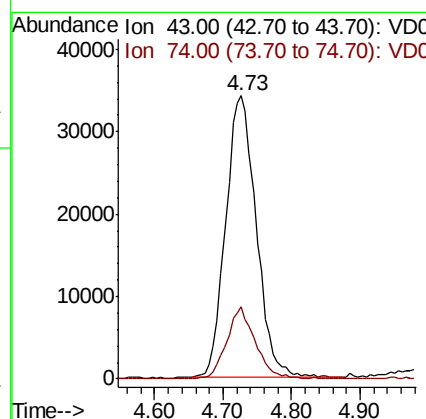
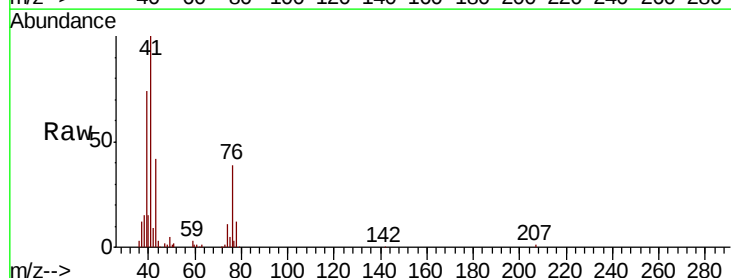
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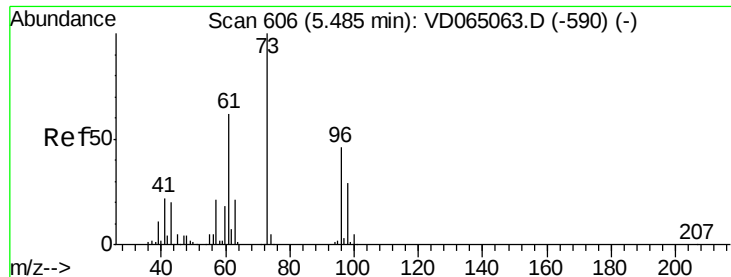
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#18
Methyl Acetate
Concen: 57.955 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.7	28.1





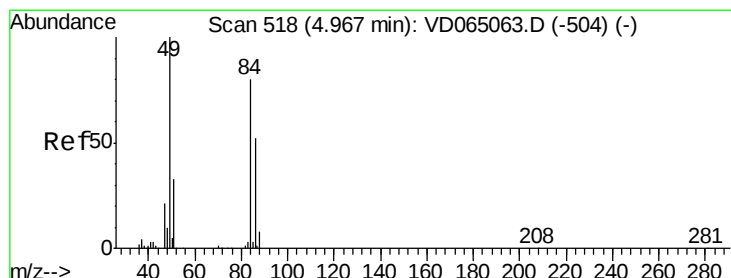
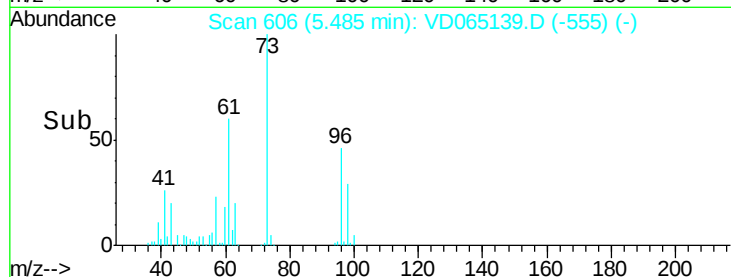
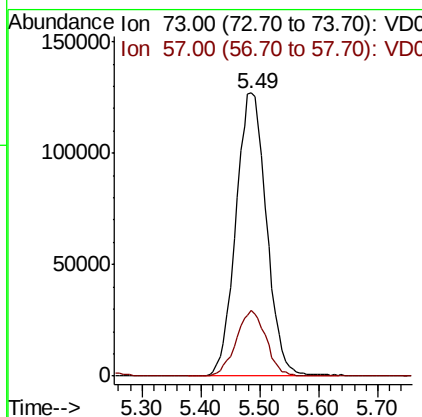
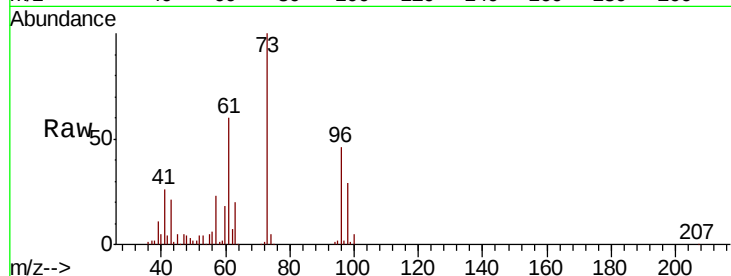
#19
Methvl tert-butvl Ether
Concen: 57.383 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 460592
Ion Ratio Lower Upper
73 100
57 23.4 16.8 25.2

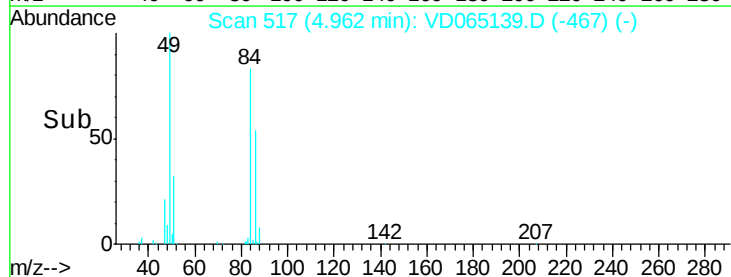
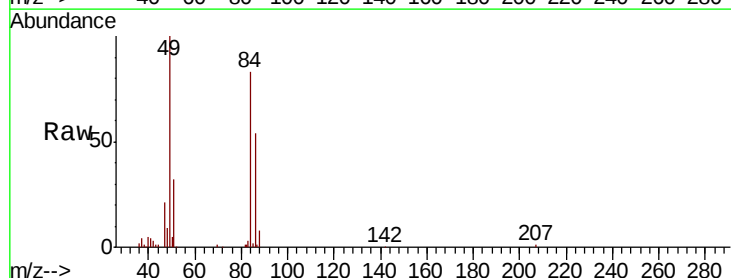
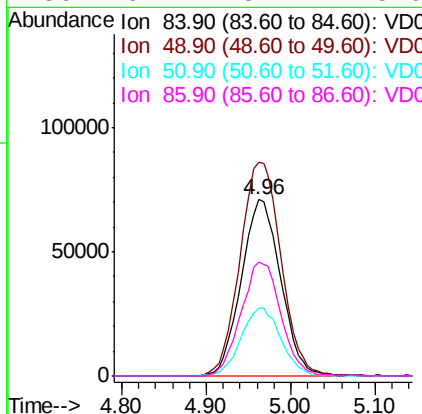
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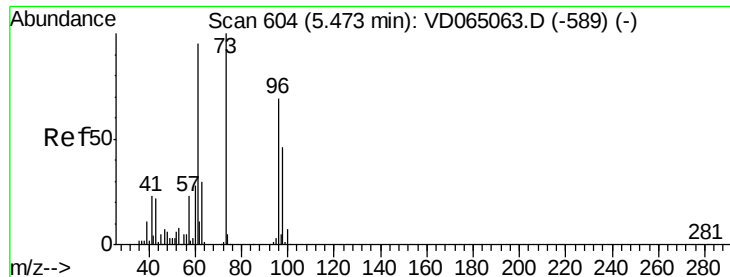
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#20
Methylene Chloride
Concen: 60.786 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion: 84 Resp: 230596
Ion Ratio Lower Upper
84 100
49 120.9 100.4 150.6
51 38.7 32.7 49.1
86 64.7 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 57.257 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

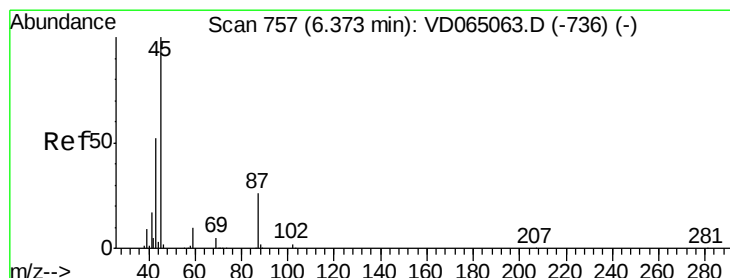
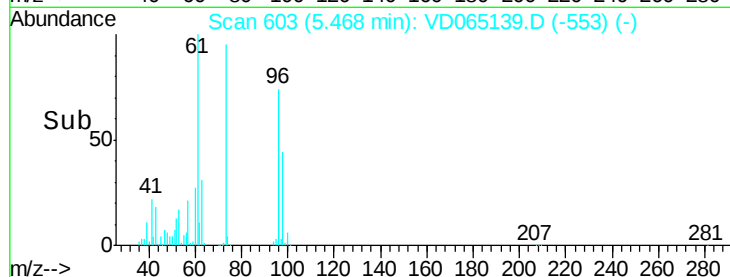
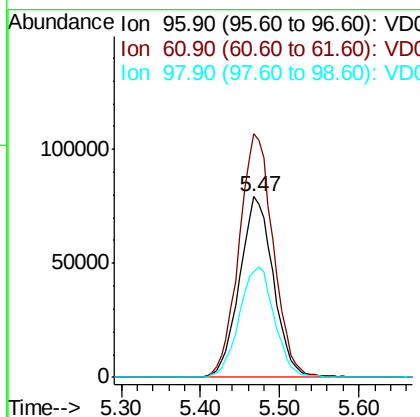
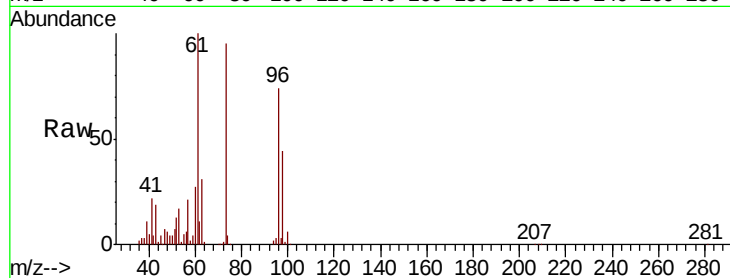
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	235133
Ion	Ratio	Lower	Upper
96	100		
61	135.0	109.5	164.3
98	58.8	53.7	80.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 60.041 ug/l

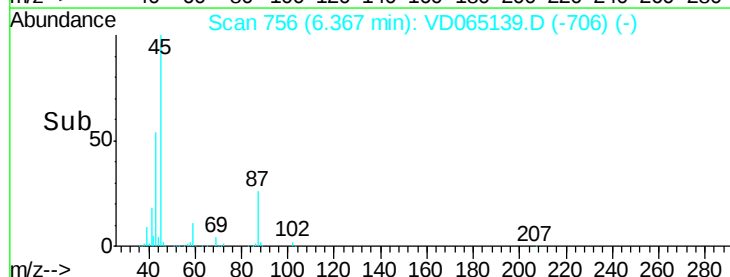
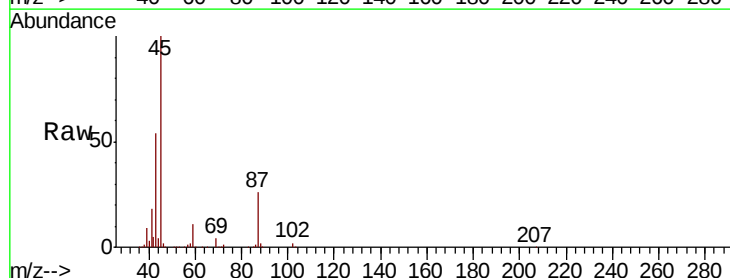
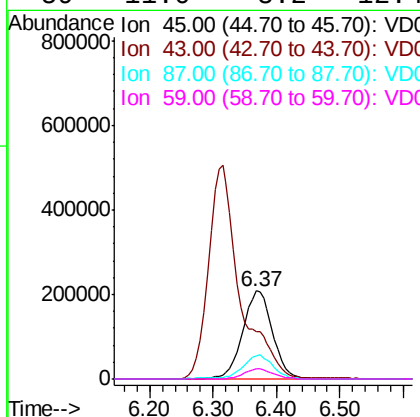
RT: 6.37 min Scan# 756

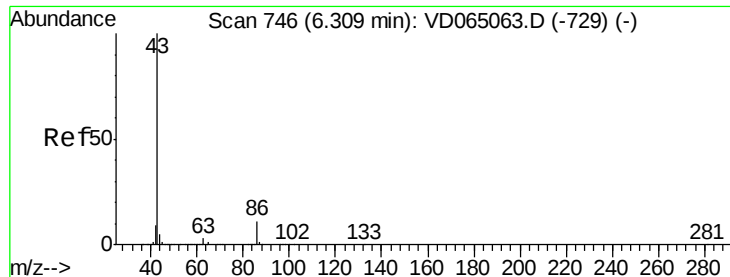
Delta R.T. -0.01 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Tgt Ion:	45	Resp:	683204
Ion	Ratio	Lower	Upper
45	100		
43	53.4	41.3	61.9
87	25.4	21.0	31.6
59	11.0	8.2	12.4





#23

Vinyl Acetate

Concen: 275.724 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1748749

Ion Ratio Lower Upper

43 100

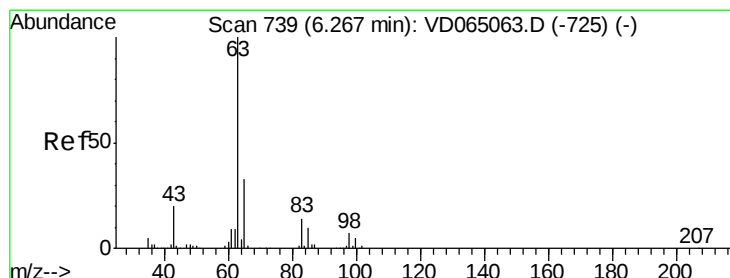
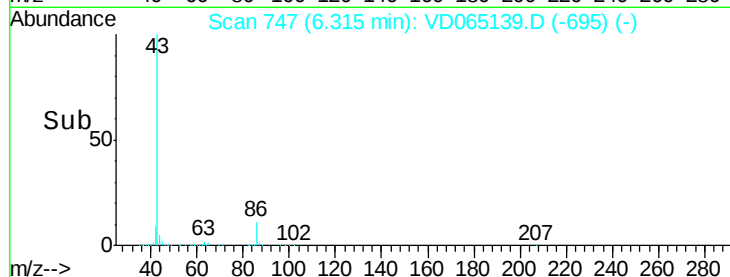
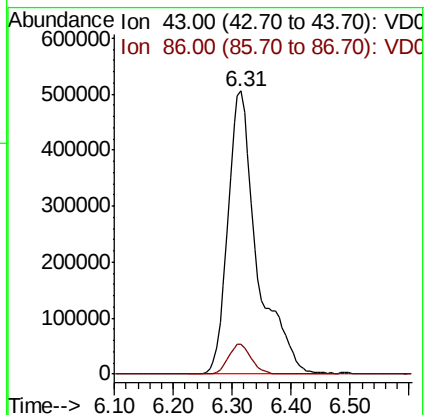
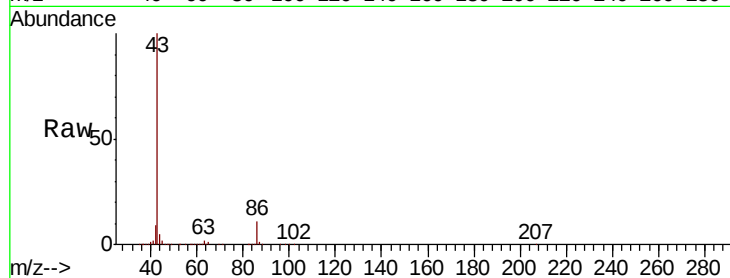
86 10.6 8.5 12.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 58.285 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

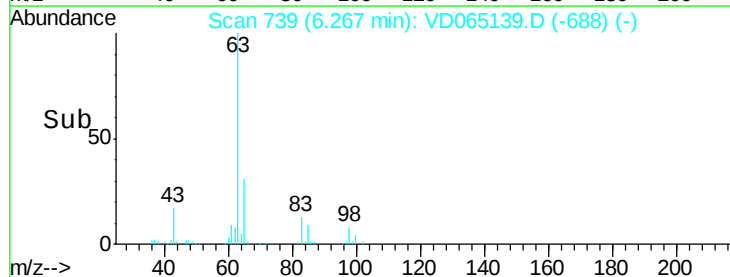
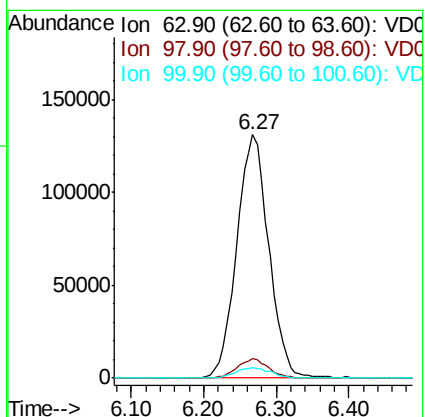
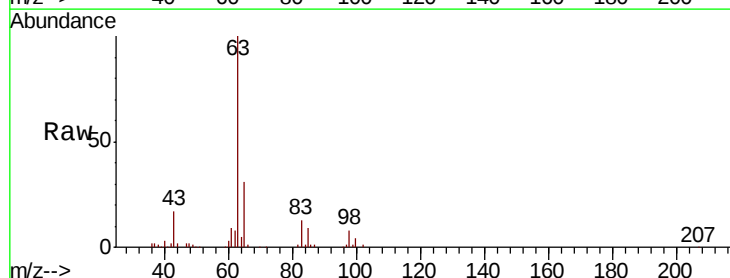
Tgt Ion: 63 Resp: 401438

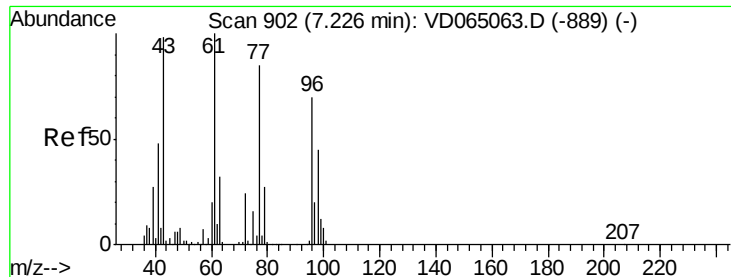
Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.4

100 4.3 2.5 7.6





#25

2-Butanone

Concen: 300.816 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 313537

Ion Ratio Lower Upper

43 100

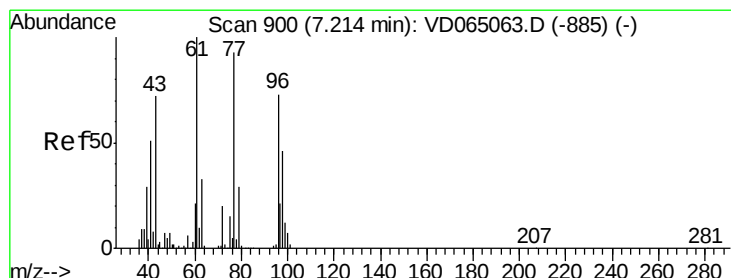
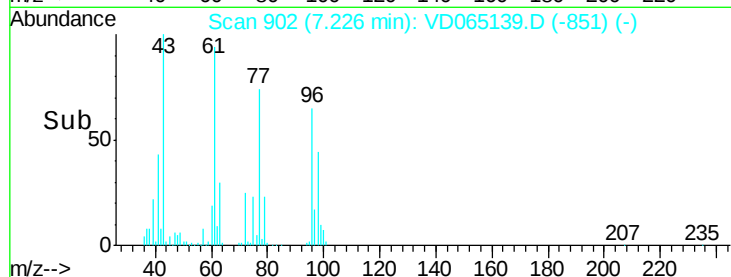
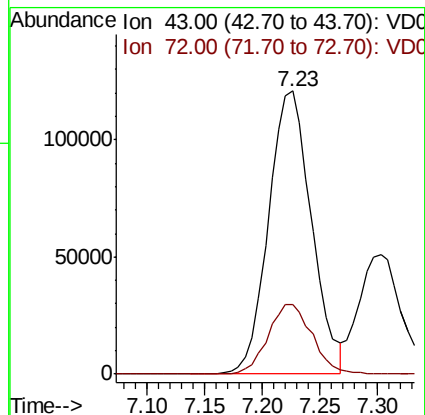
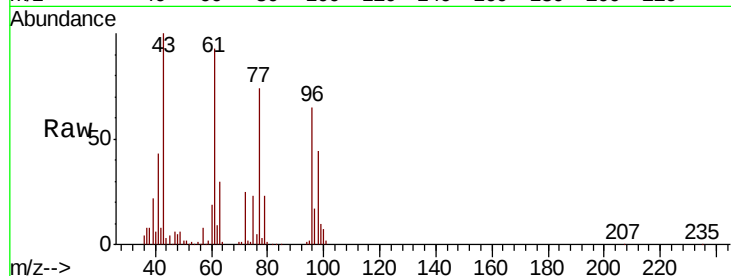
72 24.7 19.9 29.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 56.017 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065139.D

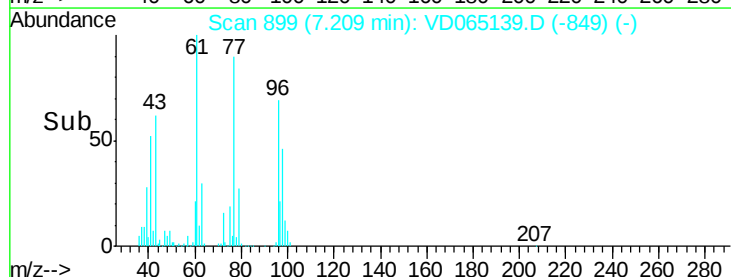
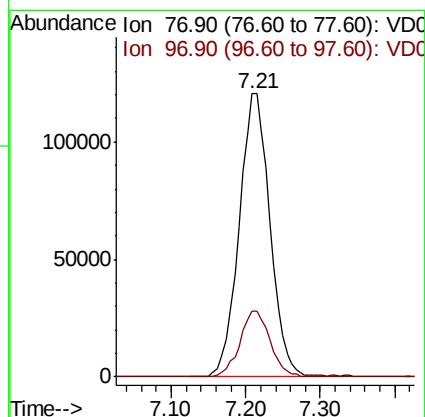
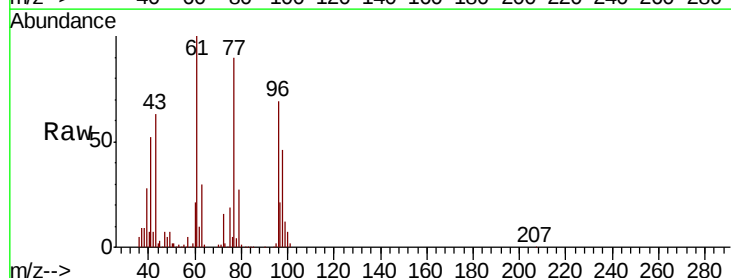
Acq: 10 Feb 2020 18:10

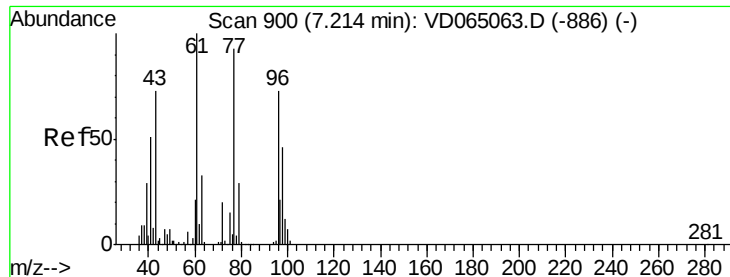
Tgt Ion: 77 Resp: 345813

Ion Ratio Lower Upper

77 100

97 22.8 10.9 32.6





#27

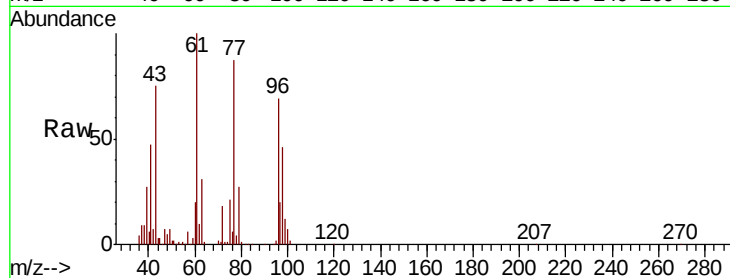
cis-1,2-Dichloroethene
 Concen: 57.552 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

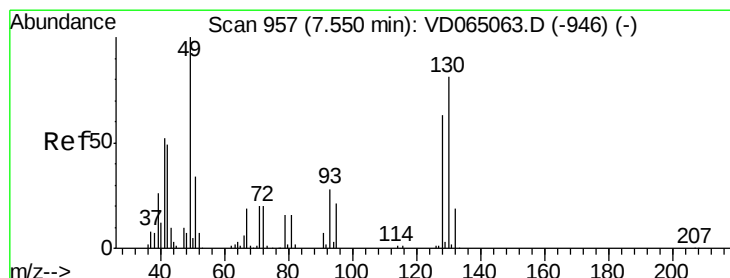
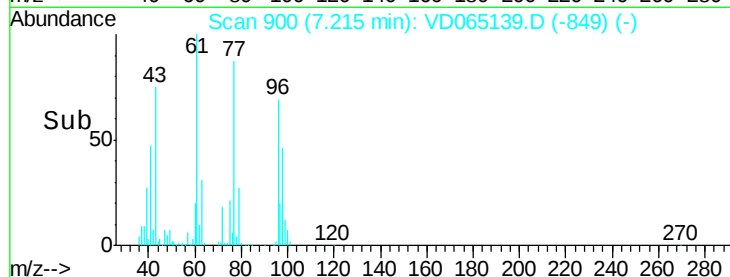
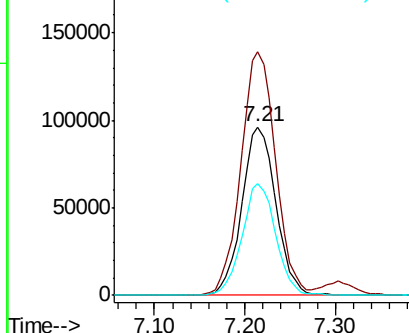
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	292.8
98	65.8	0.0	128.8

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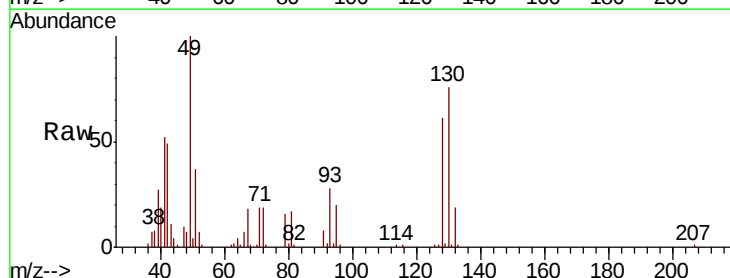
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



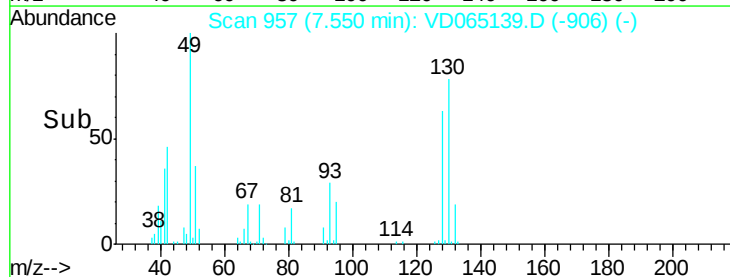
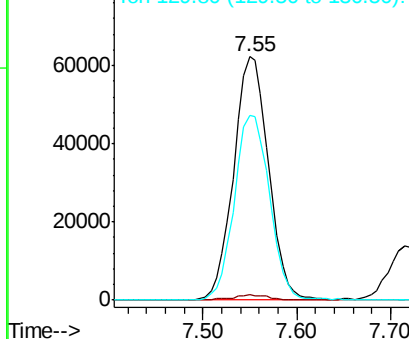
#28

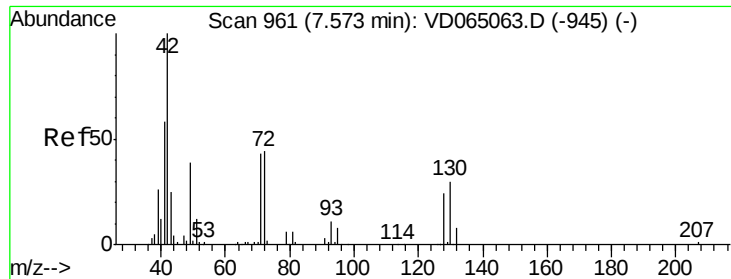
Bromochloromethane
 Concen: 61.516 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	76.9	63.8	95.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): VDC
 Ion 129.80 (129.50 to 130.50): VDC





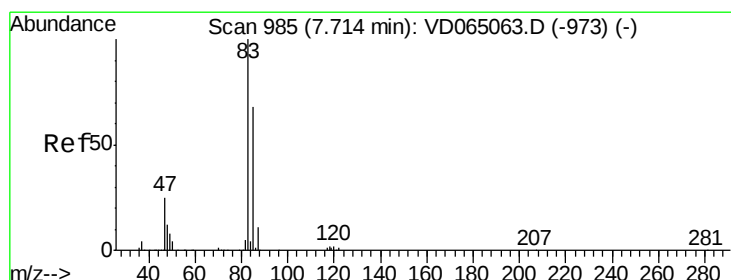
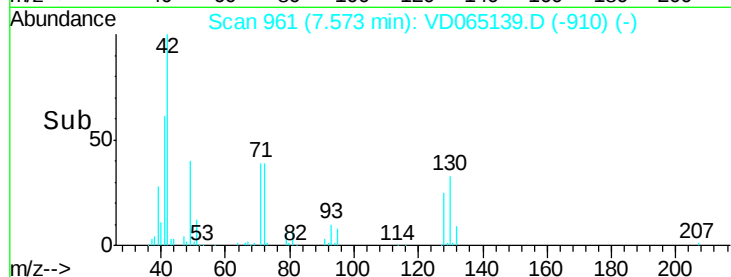
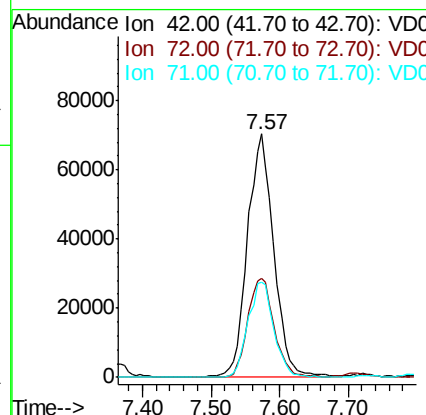
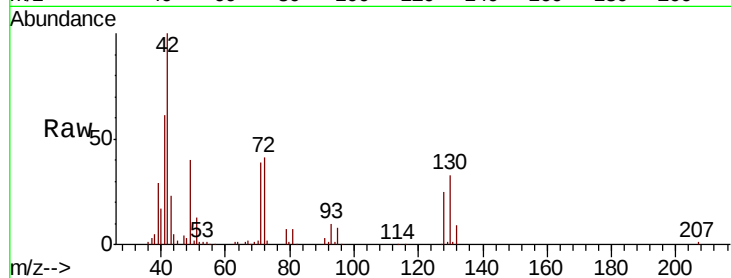
#29
Tetrahydrofuran
Concen: 299.090 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	34.2	51.4
71	38.7	31.8	47.6

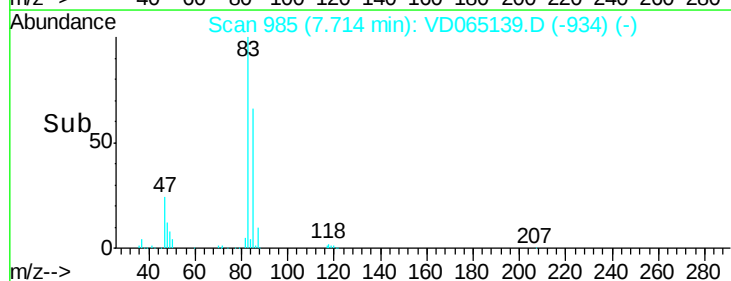
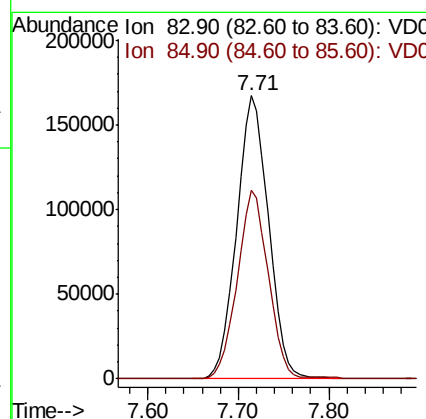
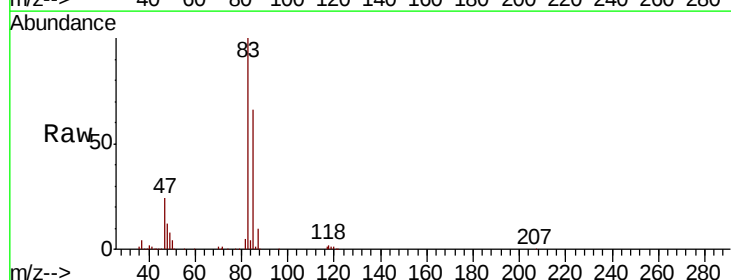
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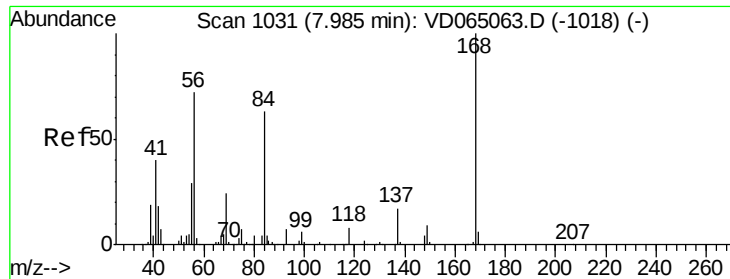
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#30
Chloroform
Concen: 59.689 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	54.2	81.4





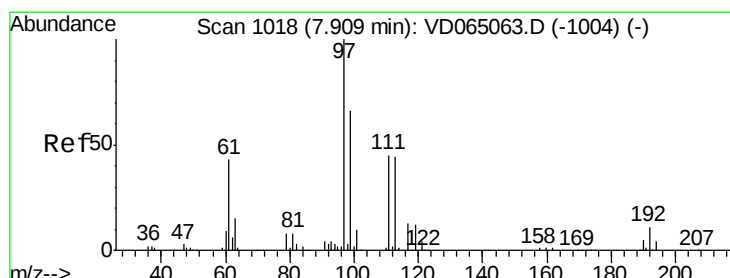
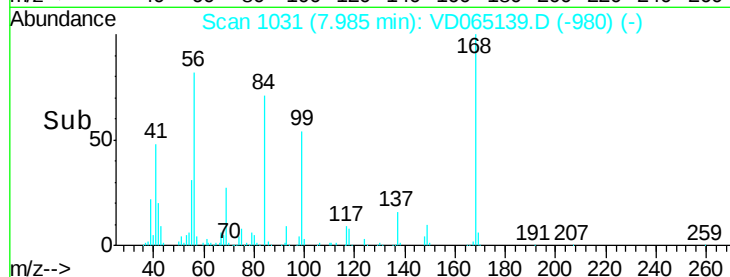
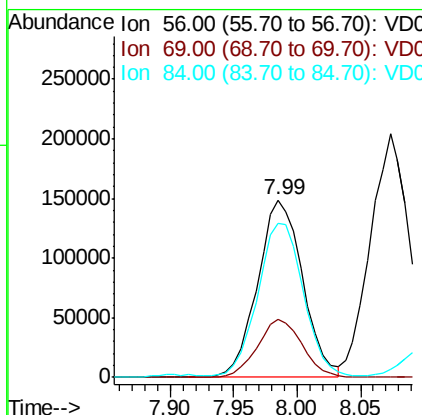
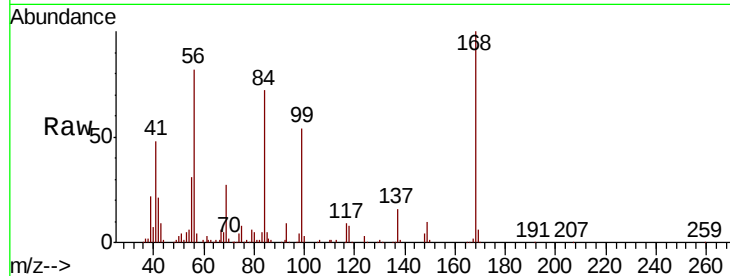
#31
Cyclohexane
Concen: 52.939 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	26.6	40.0
84	85.6	70.6	106.0

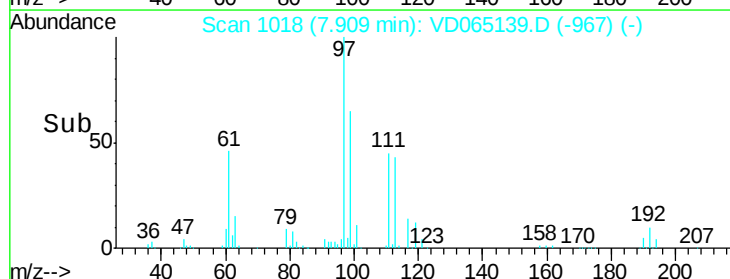
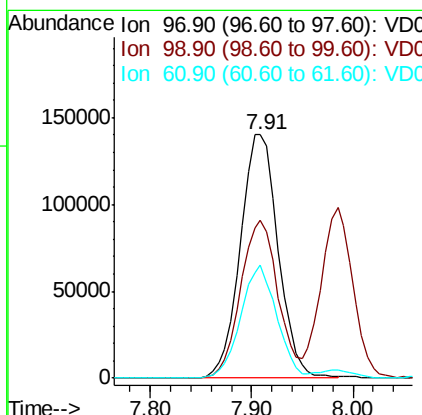
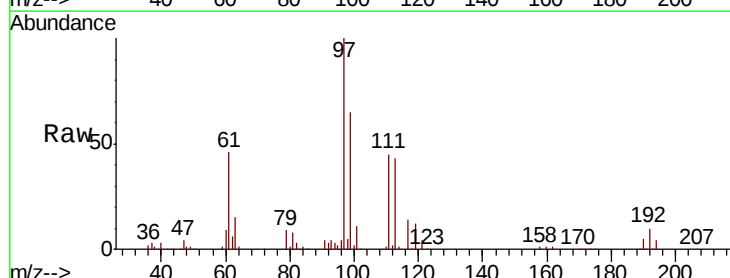
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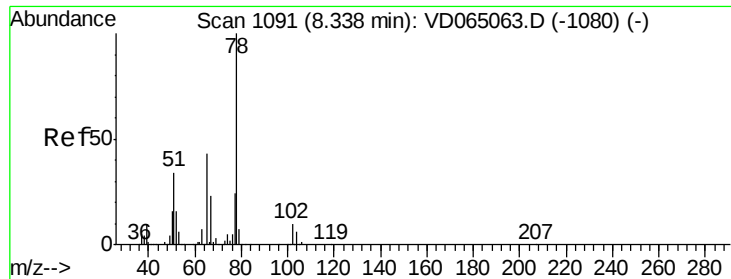
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#32
1,1,1-Trichloroethane
Concen: 56.730 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.5	77.3
61	44.3	34.8	52.2





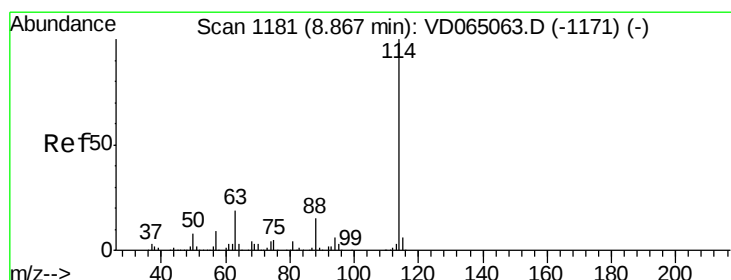
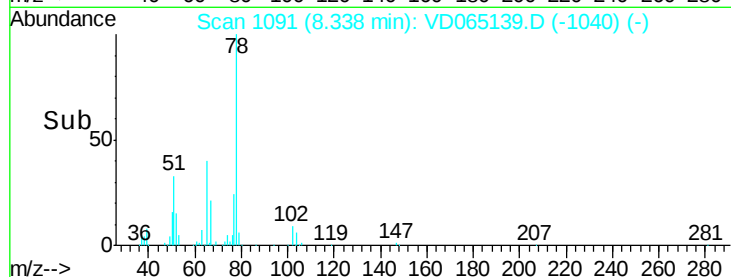
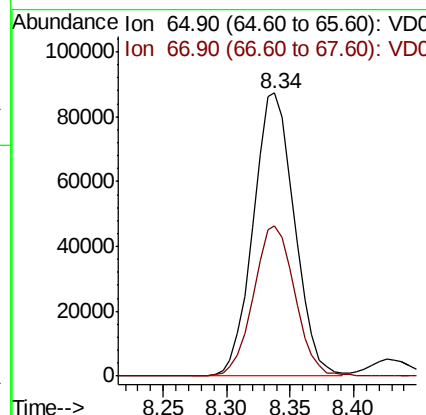
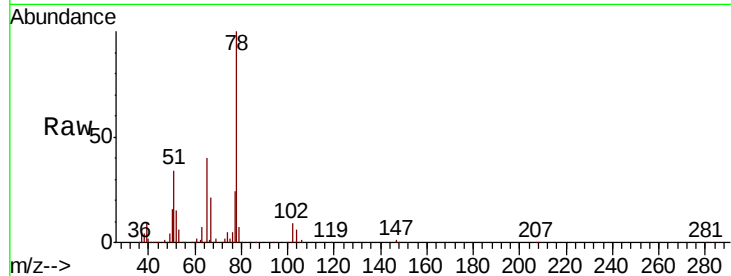
#33
 1,2-Dichloroethane-d4
 Concen: 56.564 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	105.8

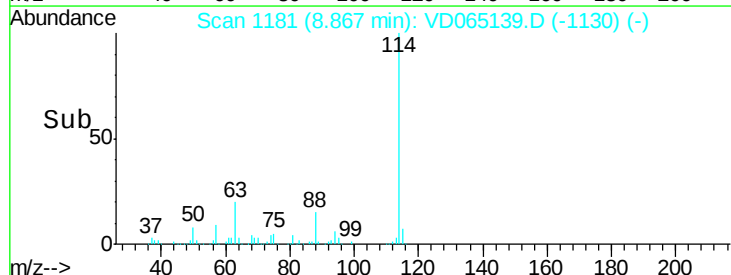
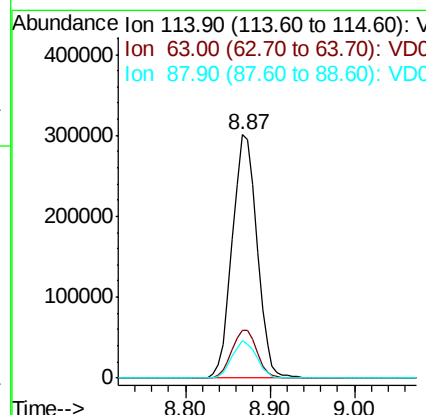
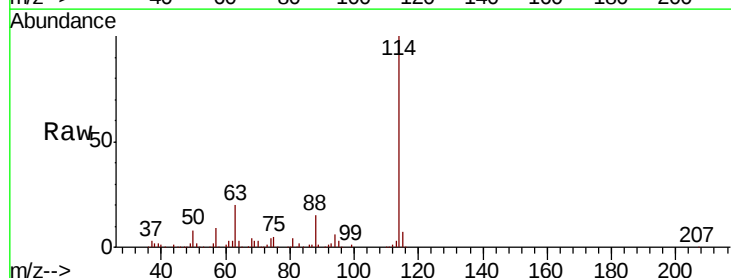
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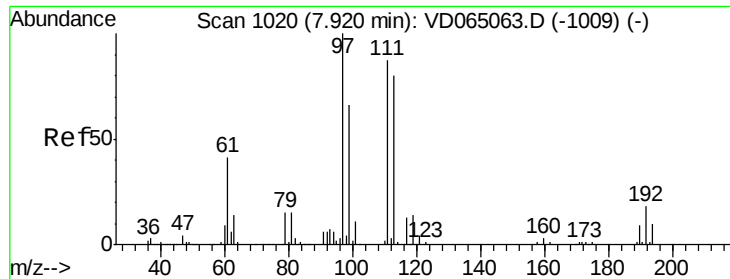
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	38.8
88	15.5	0.0	29.6





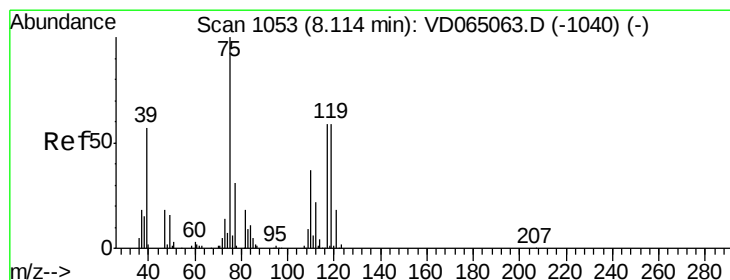
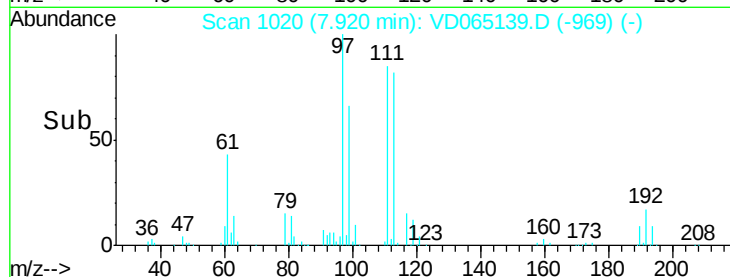
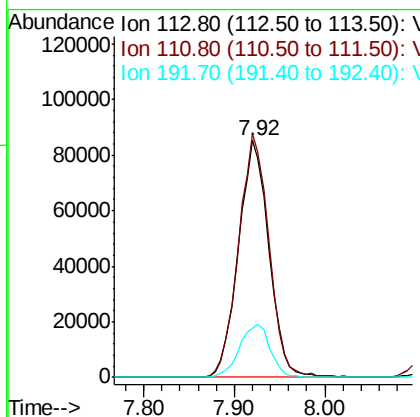
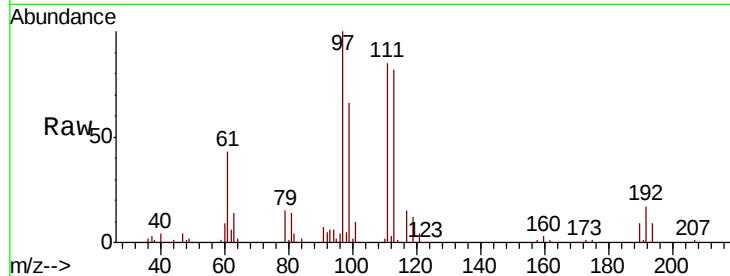
#35
 Dibromofluoromethane
 Concen: 58.772 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	199819		
111	102.4	83.1	124.7	
192	22.4	18.1	27.1	

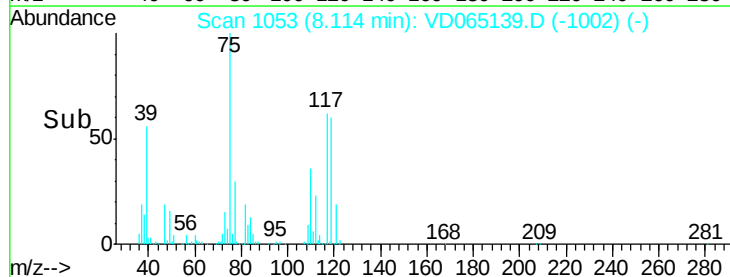
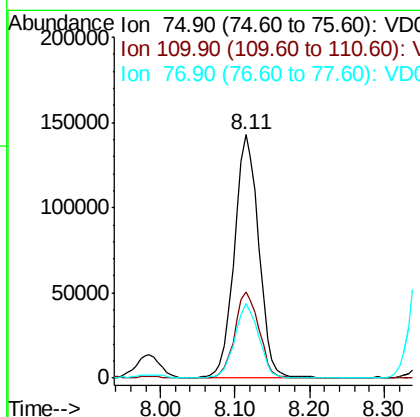
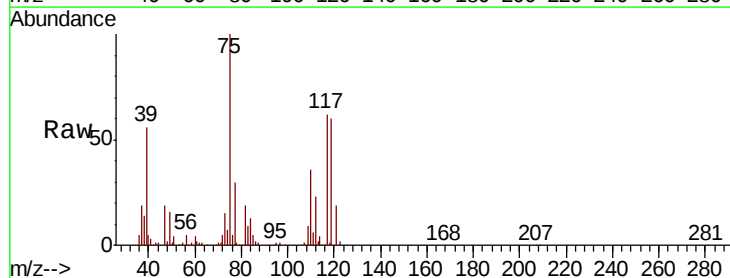
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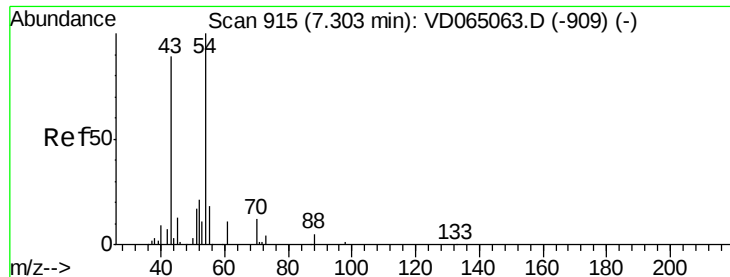
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#36
 1,1-Dichloropropene
 Concen: 57.031 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	323149		
110	35.4	18.1	54.3	
77	30.7	24.7	37.1	





#37

Ethyl Acetate

Concen: 57.407 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

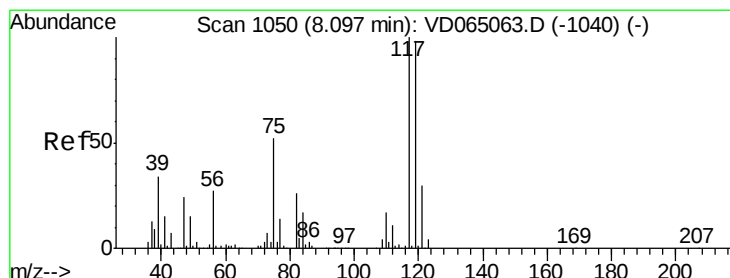
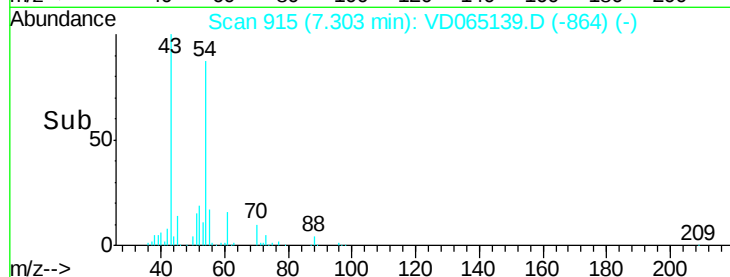
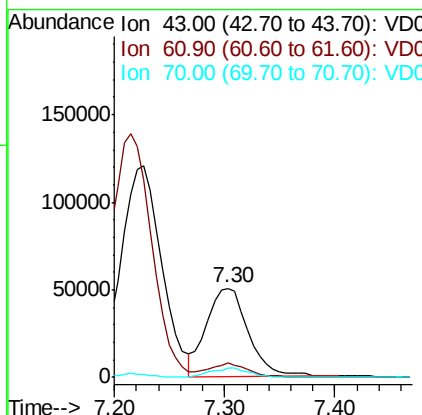
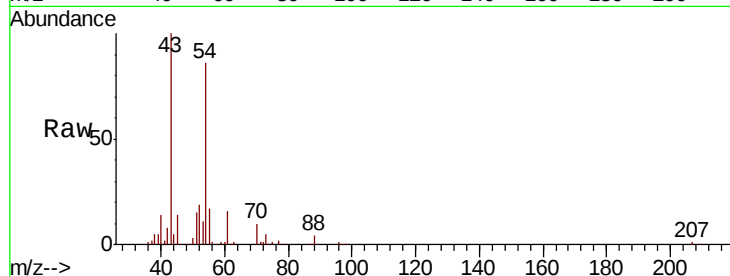
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	132888
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.0	16.4
70	9.7	8.2	12.2

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#38

Carbon Tetrachloride

Concen: 57.347 ug/l

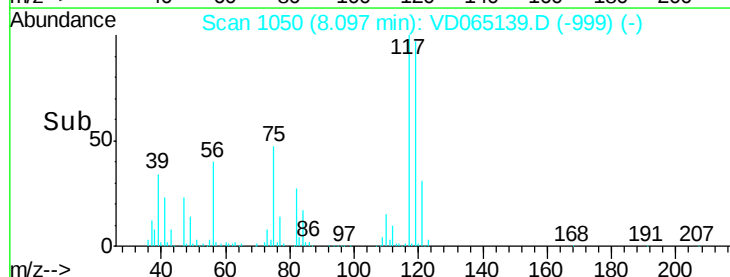
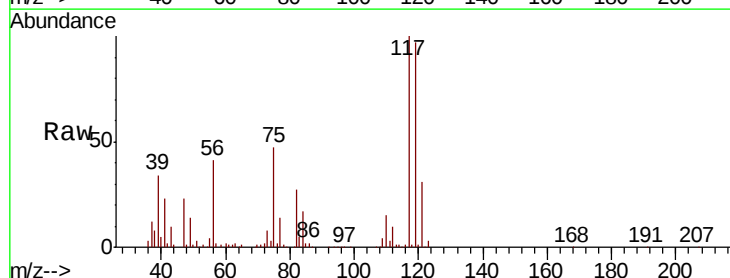
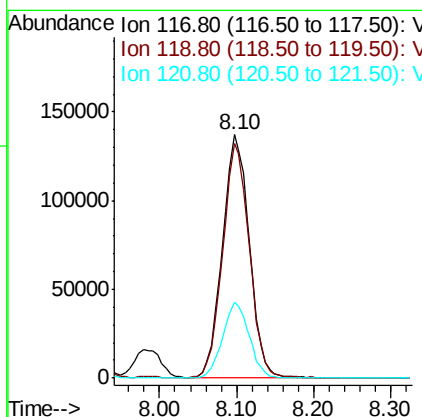
RT: 8.10 min Scan# 1050

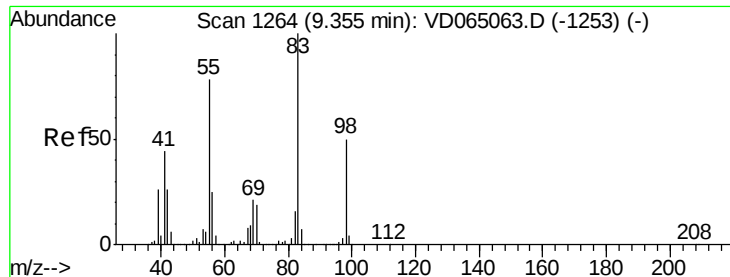
Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Tgt Ion:	117	Resp:	331869
Ion	Ratio	Lower	Upper
117	100		
119	96.6	78.5	117.7
121	31.0	23.8	35.6





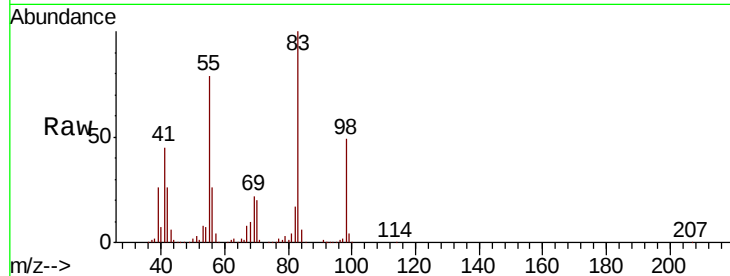
#39
Methylvlcyclohexane
Concen: 54.896 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

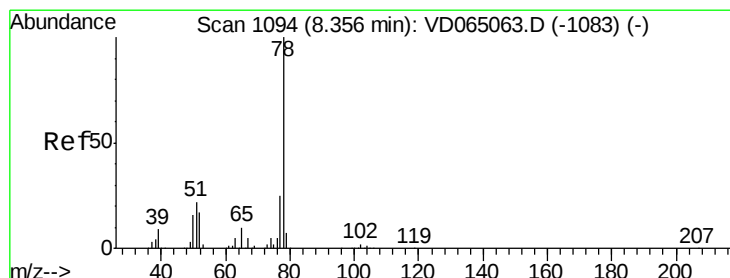
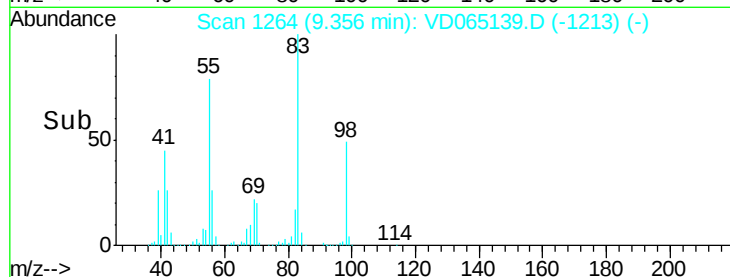
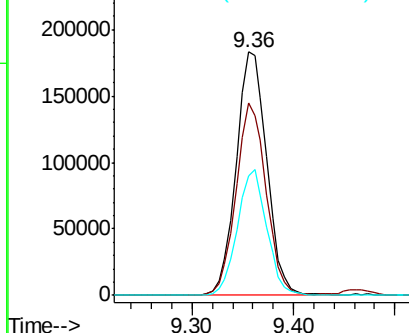
Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	62.0	93.0
98	49.2	39.9	59.9

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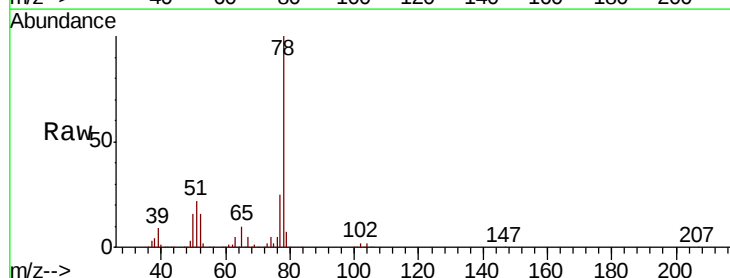


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

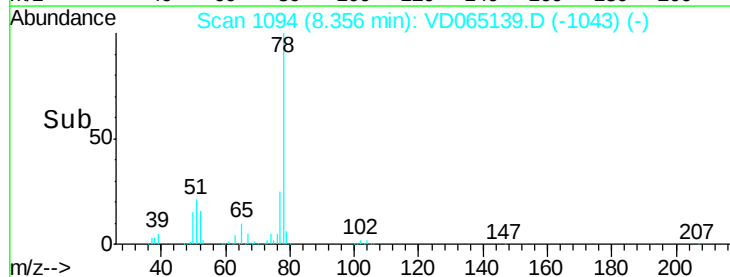
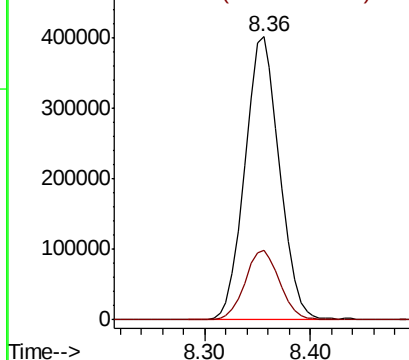


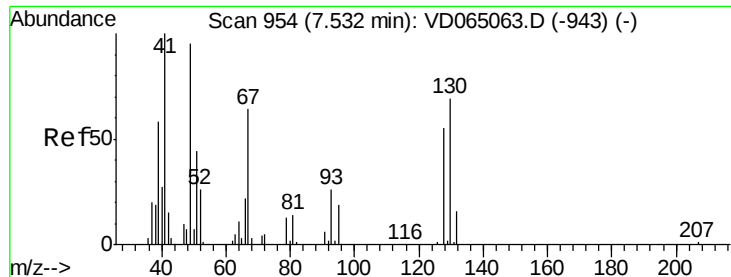
#40
Benzene
Concen: 58.500 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.6	29.4



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 48.765 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 62190

Ion Ratio Lower Upper

41 100

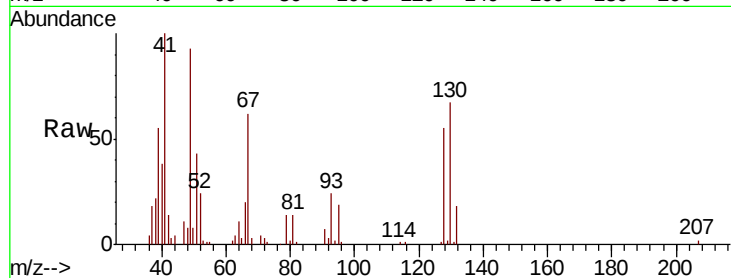
39 0.0 55.4 83.0#

67 0.0 59.0 88.6#

52 0.0 25.4 38.0#

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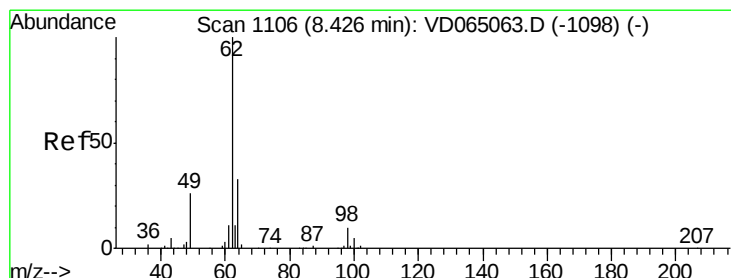
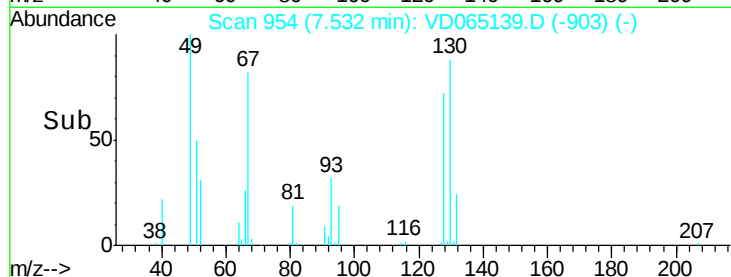
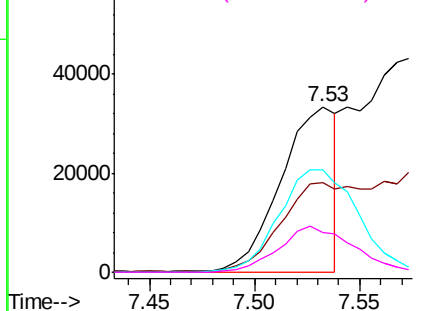


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 58.280 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD065139.D

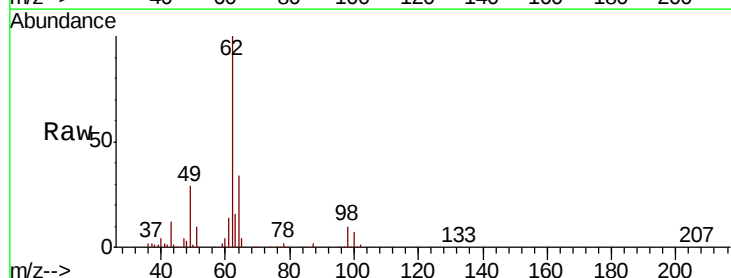
Acq: 10 Feb 2020 18:10

Tgt Ion: 62 Resp: 259834

Ion Ratio Lower Upper

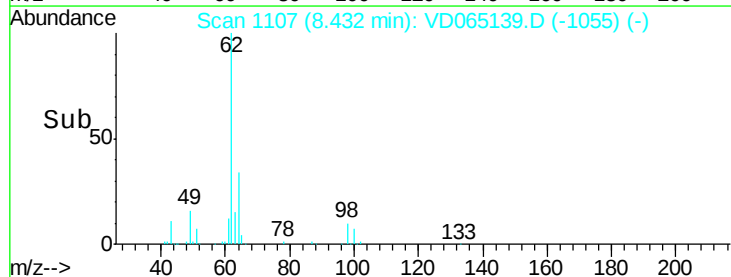
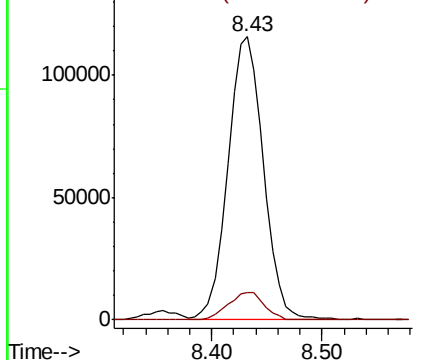
62 100

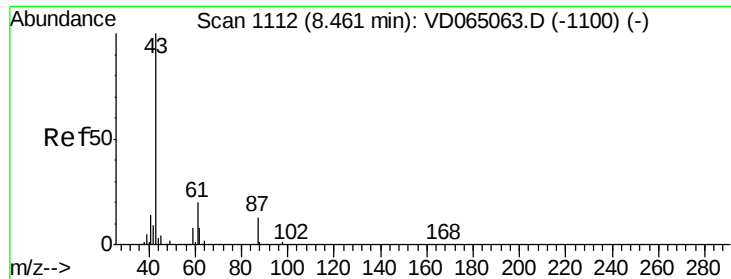
98 9.8 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





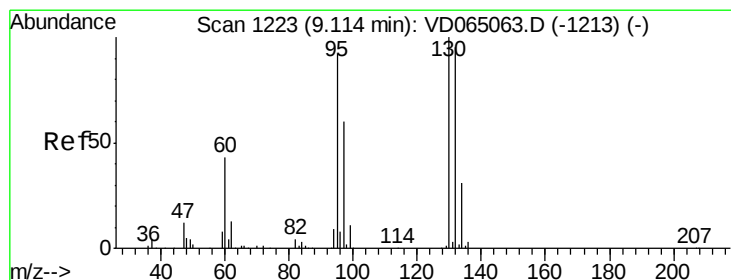
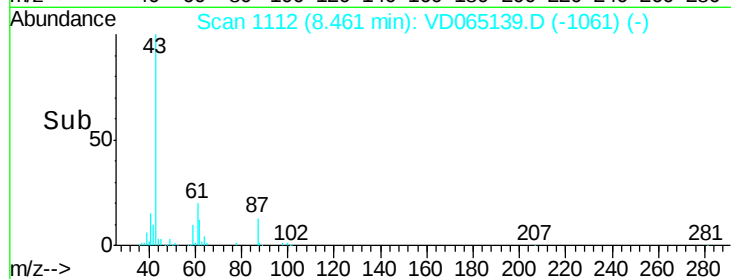
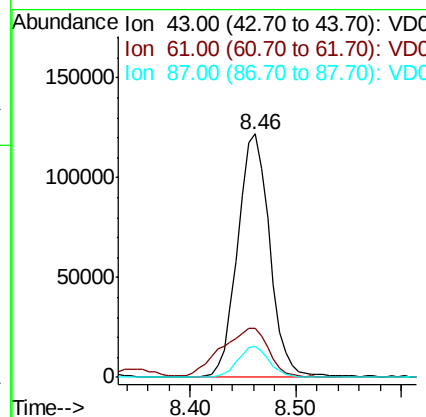
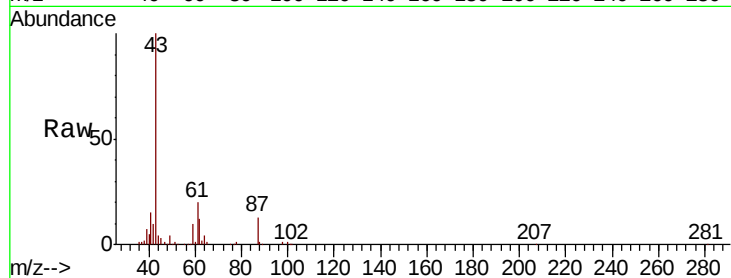
#43
Isopropyl Acetate
Concen: 58.000 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	24.0	36.0
87	12.3	10.2	15.4

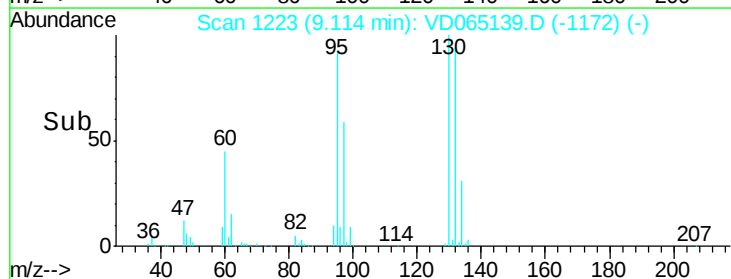
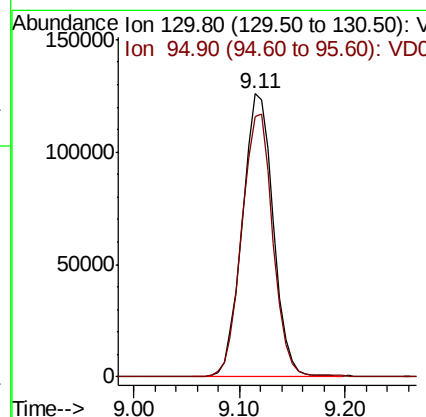
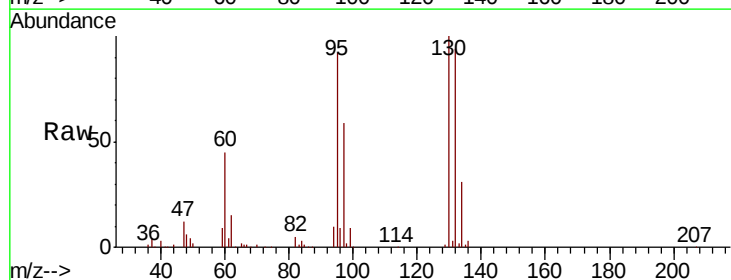
Manual Integrations
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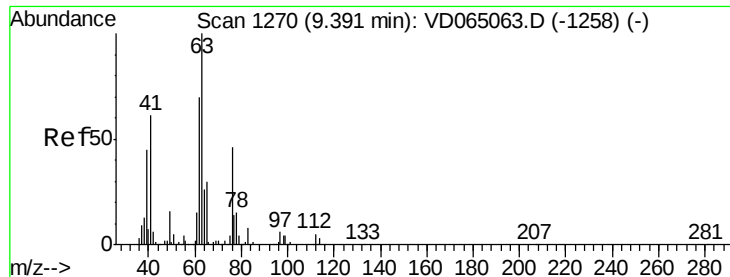
MMDadoda
2/11/2020 6:09:35 PM



#44
Trichloroethene
Concen: 57.133 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	185.0





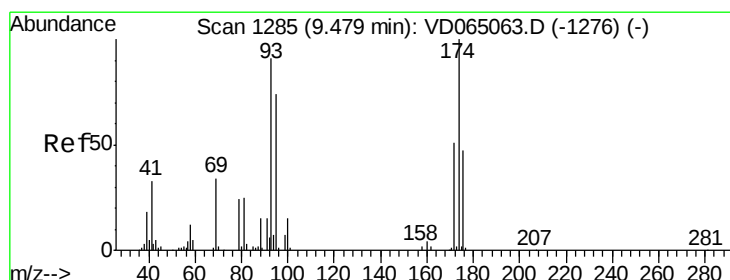
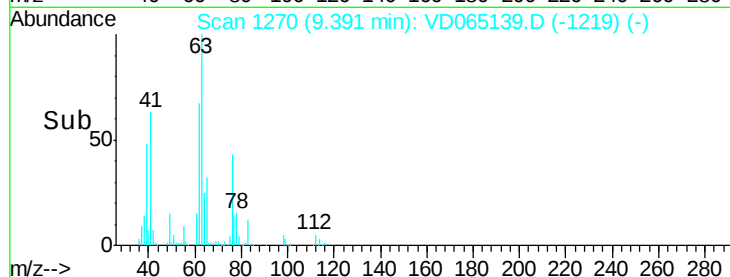
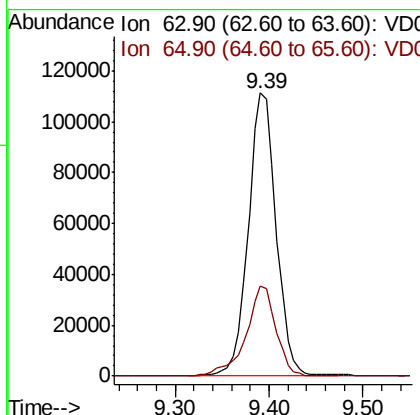
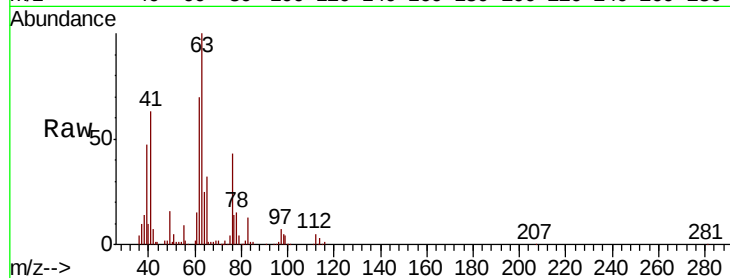
#45
 1,2-Dichloropropane
 Concen: 60.781 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.8	23.9	35.9

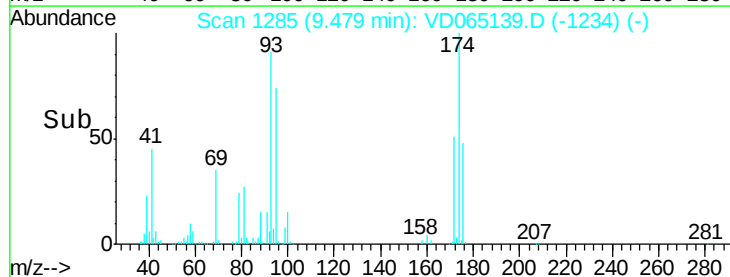
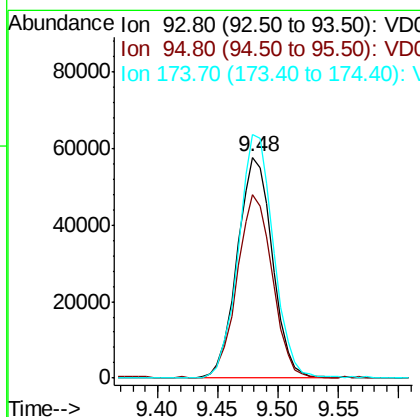
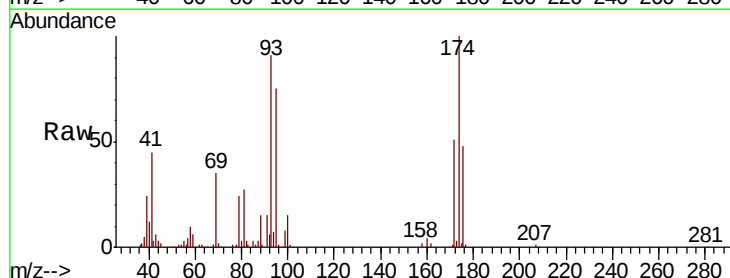
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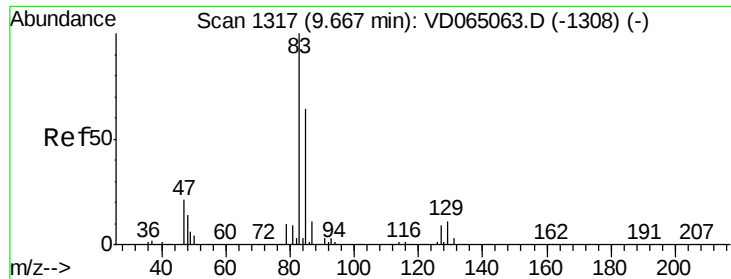
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#46
 Dibromomethane
 Concen: 59.664 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.5	99.7
174	110.0	89.8	134.8





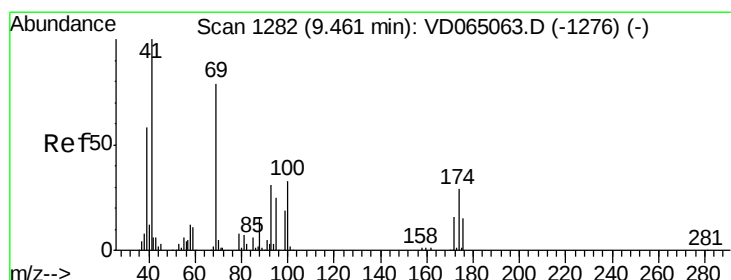
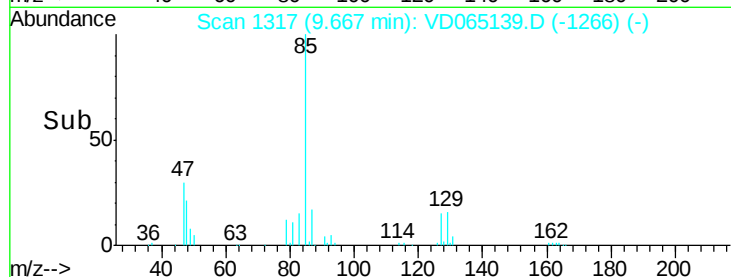
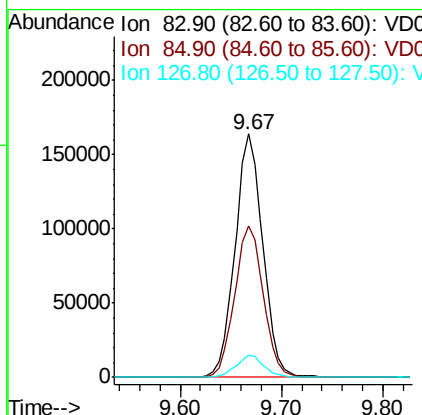
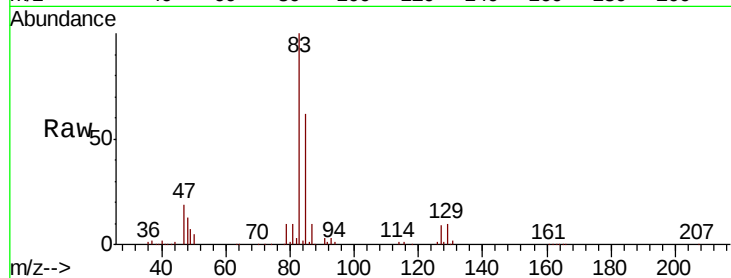
#47
Bromodichloromethane
Concen: 60.046 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	311895		
85	62.3	51.0	76.6	
127	9.3	7.3	10.9	

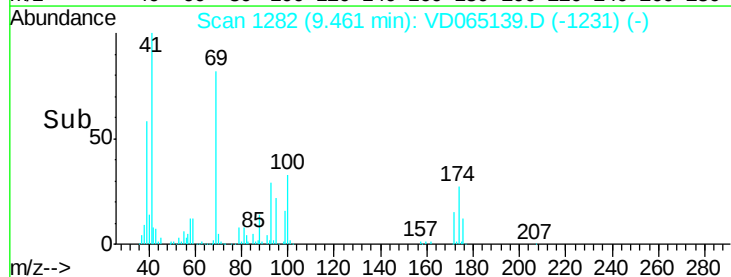
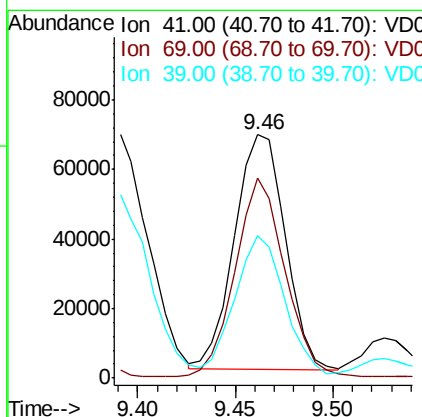
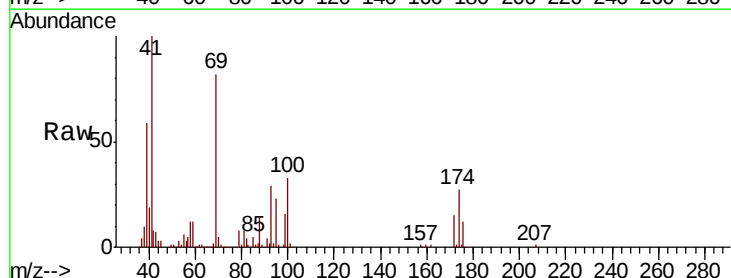
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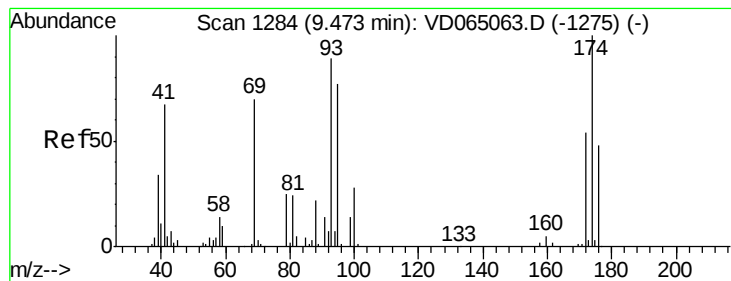
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#48
Methyl methacrylate
Concen: 57.185 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	121850		
69	85.0	67.5	101.3	
39	56.3	47.0	70.4	





#49

1,4-Dioxane

Concen: 1157.603 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 88 Resp: 27029

Ion Ratio Lower Upper

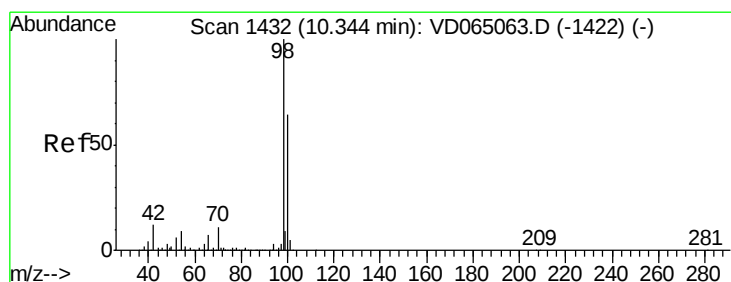
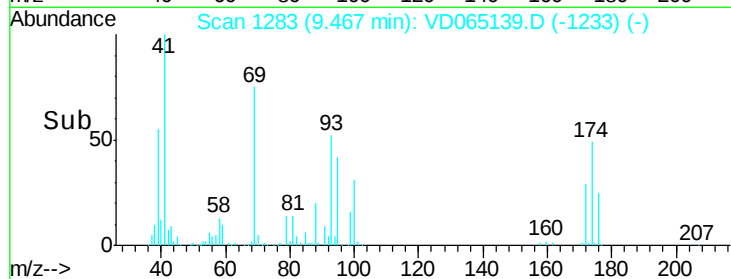
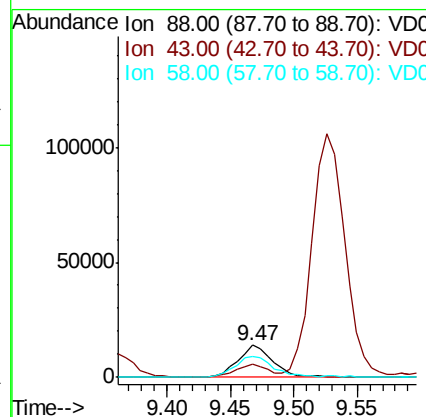
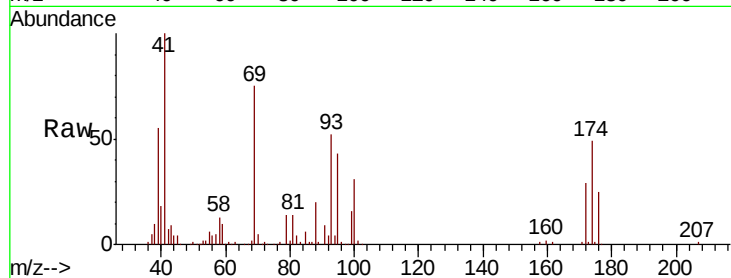
88 100

43 40.3 27.7 41.5

58 69.8 55.5 83.3

Manual Integrations
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#50

Toluene-d8

Concen: 57.986 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD065139.D

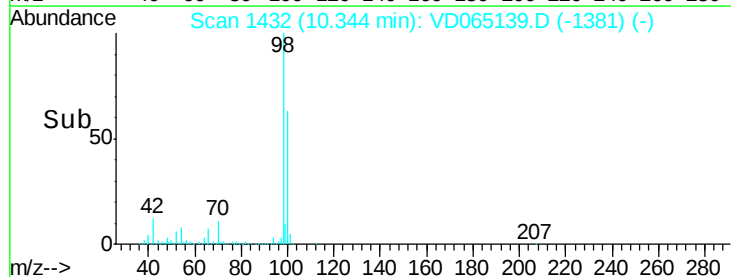
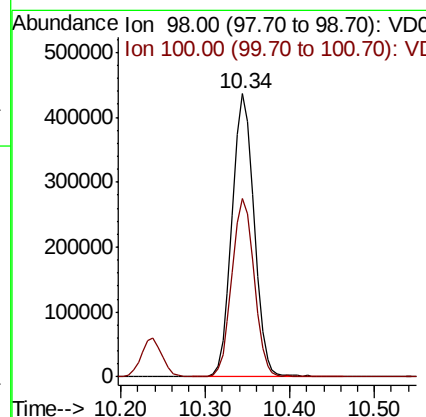
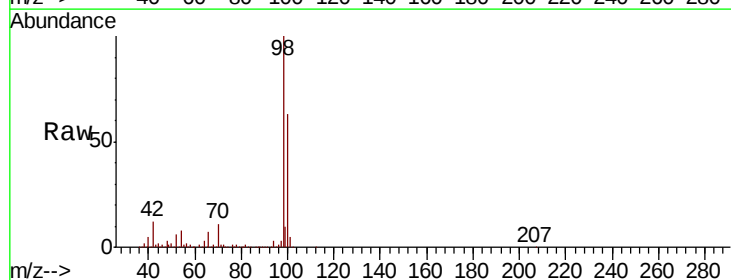
Acq: 10 Feb 2020 18:10

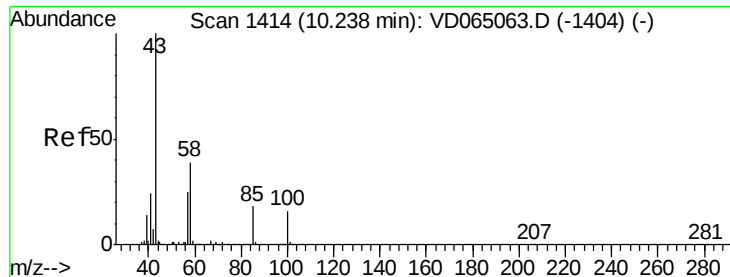
Tgt Ion: 98 Resp: 784698

Ion Ratio Lower Upper

98 100

100 63.4 52.1 78.1





#51

4-Methyl-2-Pentanone

Concen: 300.437 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 654828

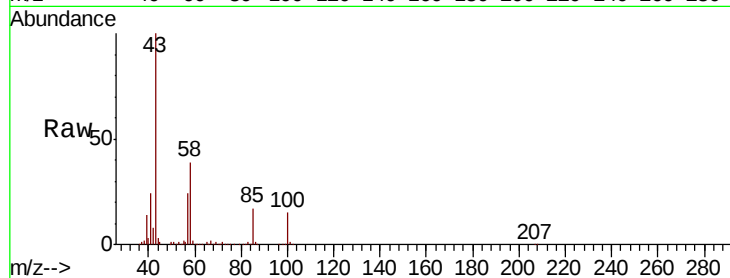
Ion Ratio Lower Upper

43 100

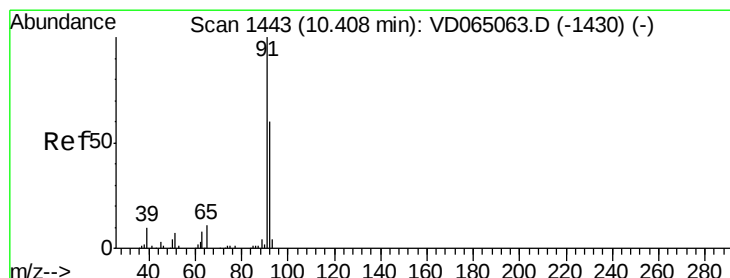
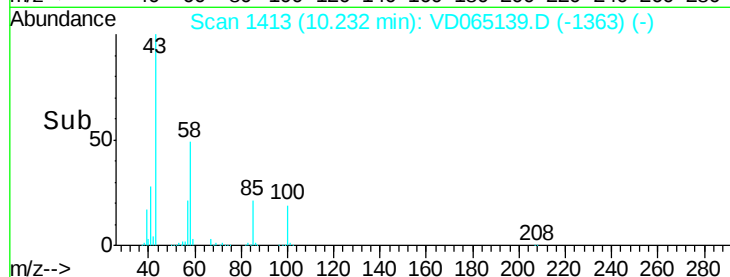
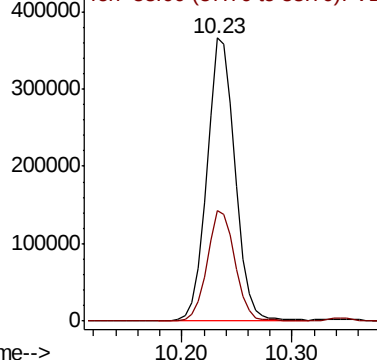
58 38.7 30.2 45.2

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



#52

Toluene

Concen: 58.966 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065139.D

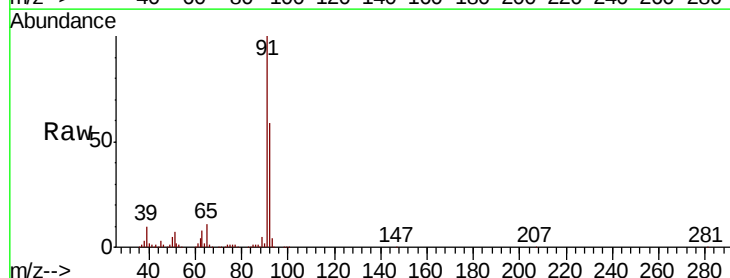
Acq: 10 Feb 2020 18:10

Tgt Ion: 92 Resp: 588869

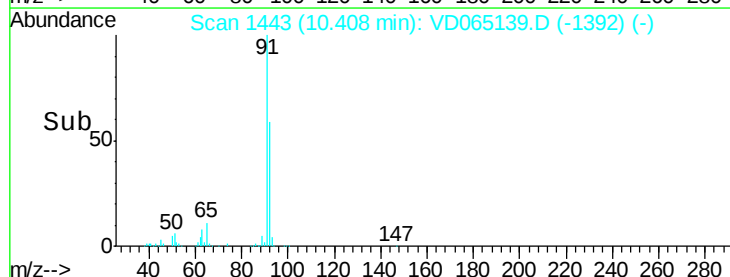
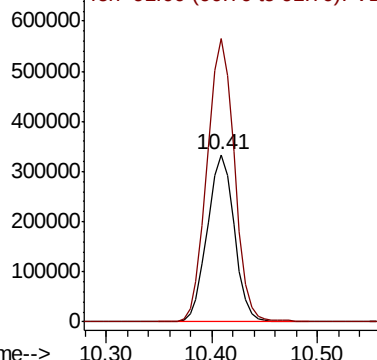
Ion Ratio Lower Upper

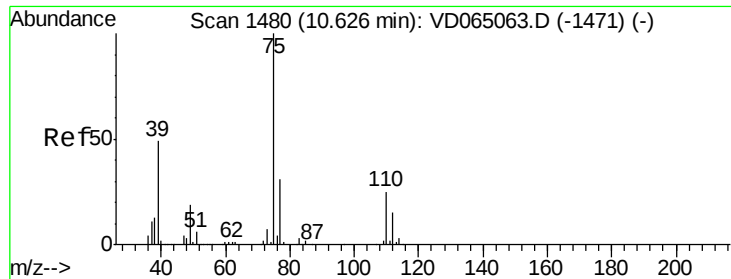
92 100

91 172.2 135.3 202.9



Abundance Ion 92.00 (91.70 to 92.70): VDC
Ion 91.00 (90.70 to 91.70): VDC





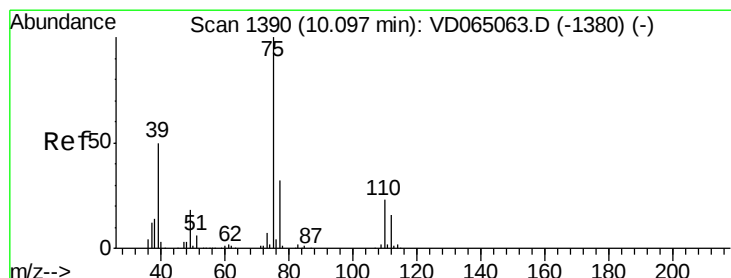
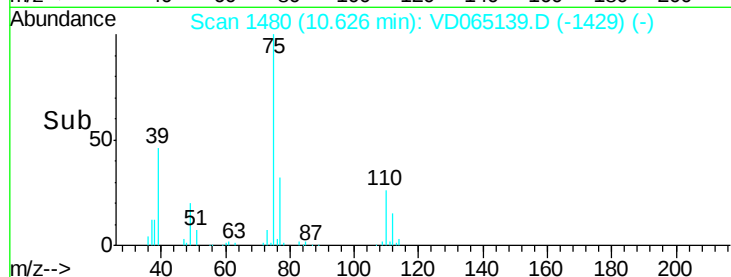
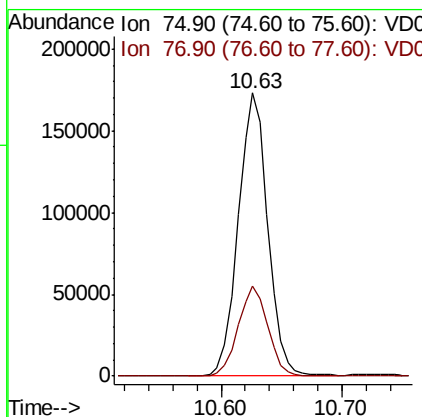
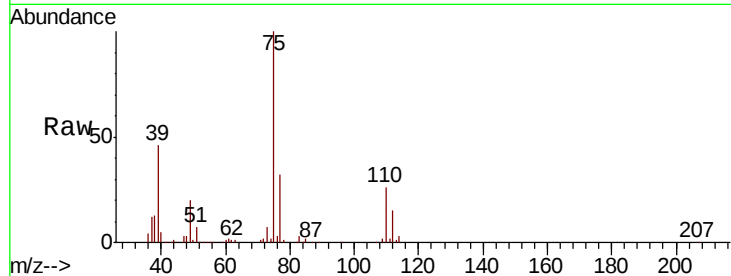
#53
t-1,3-Dichloropropene
Concen: 58.374 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.9	37.3

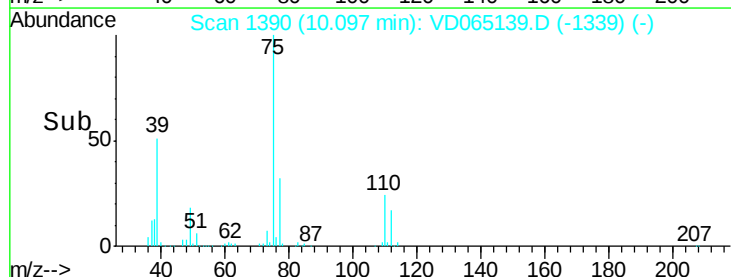
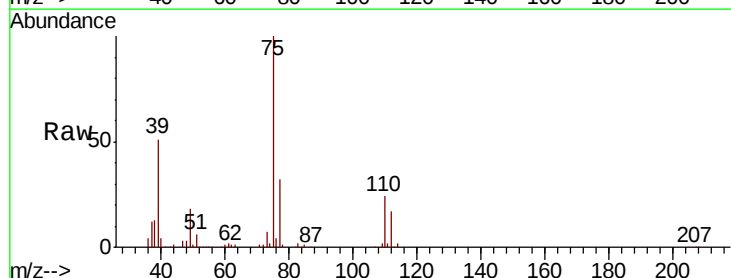
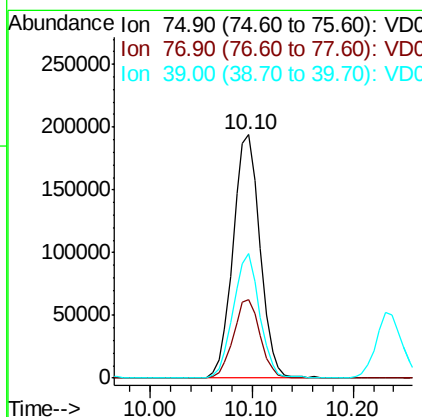
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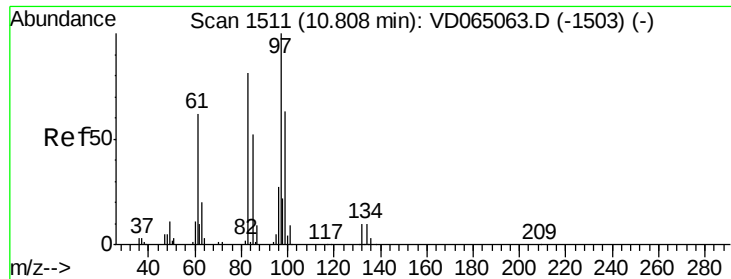
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#54
cis-1,3-Dichloropropene
Concen: 59.531 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.3	37.9
39	51.0	40.3	60.5





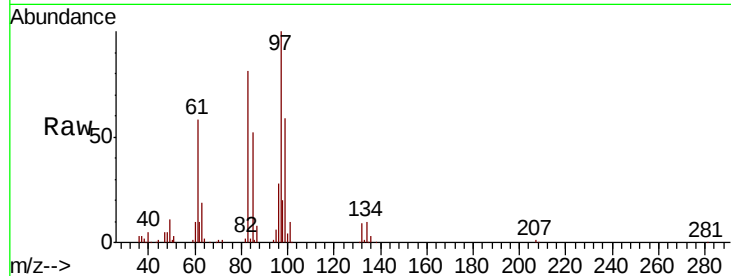
#55
 1,1,2-Trichloroethane
 Concen: 60.857 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

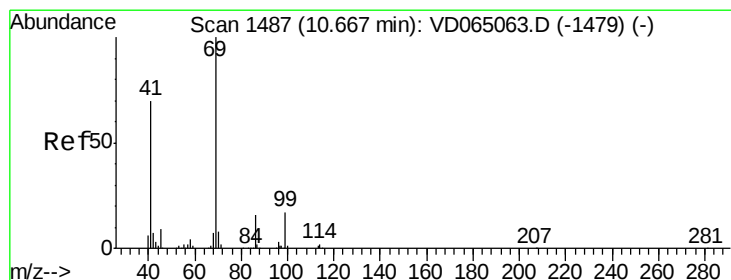
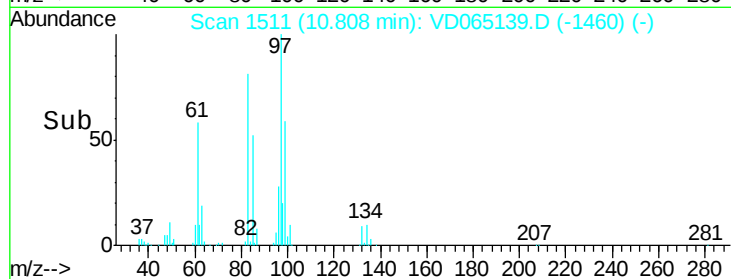
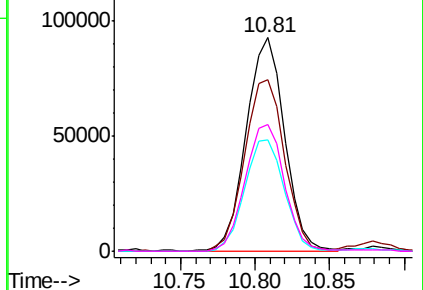
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		164557		
83	80.6	64.8	97.2		
85	52.4	41.2	61.8		
99	59.5	50.3	75.5		

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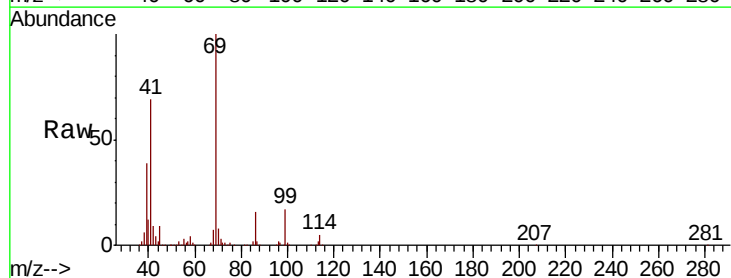


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

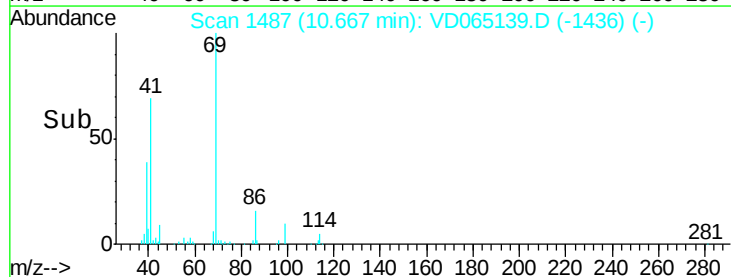
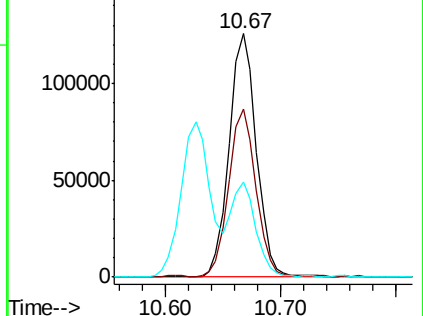


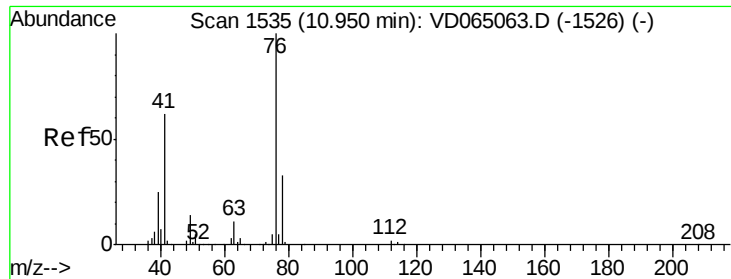
#56
 Ethyl methacrylate
 Concen: 60.121 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		205692		
41	68.1	55.9	83.9		
39	35.0	29.4	44.0		



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





#57

1,3-Dichloropropane

Concen: 60.399 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 287181

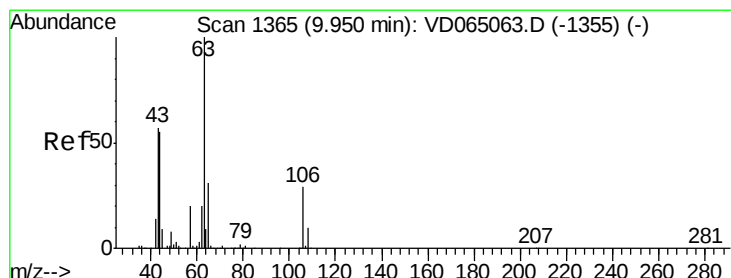
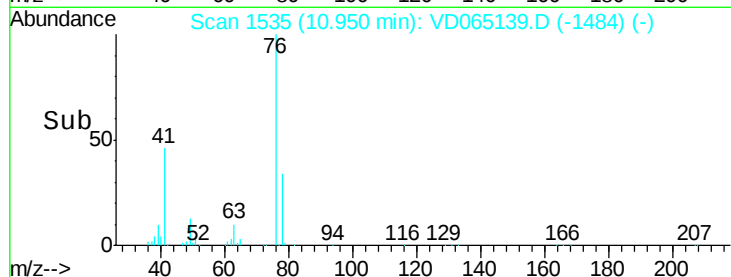
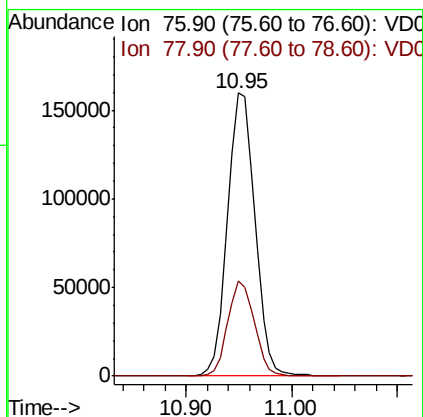
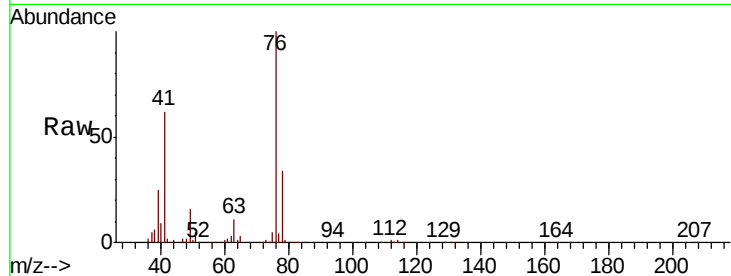
Ion Ratio Lower Upper

76 100

78 32.5 25.8 38.6

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#58

2-Chloroethyl Vinyl ether

Concen: 270.845 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065139.D

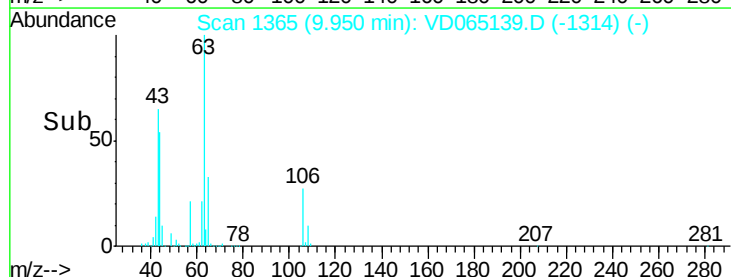
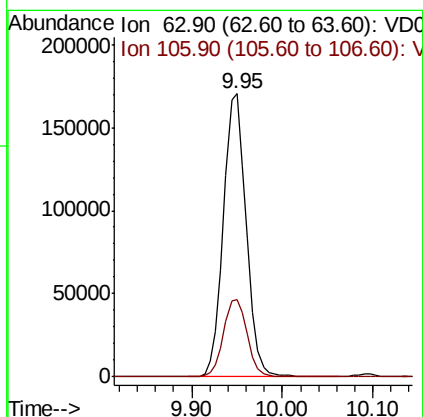
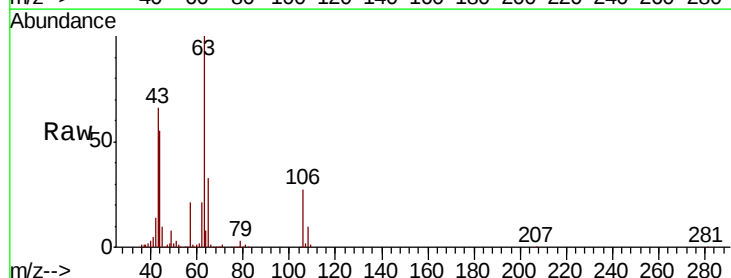
Acq: 10 Feb 2020 18:10

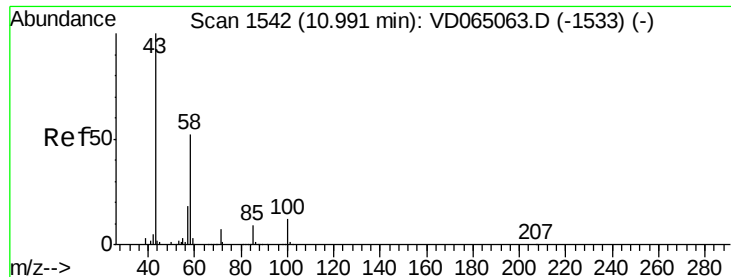
Tgt Ion: 63 Resp: 297643

Ion Ratio Lower Upper

63 100

106 28.3 23.3 34.9





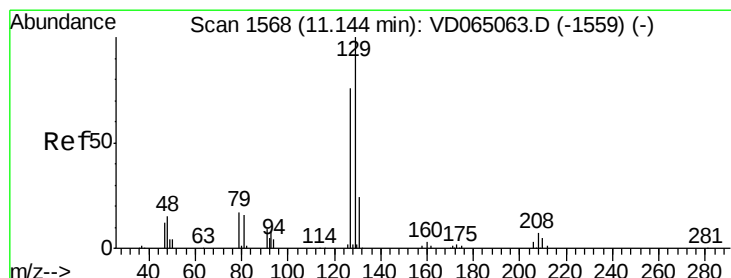
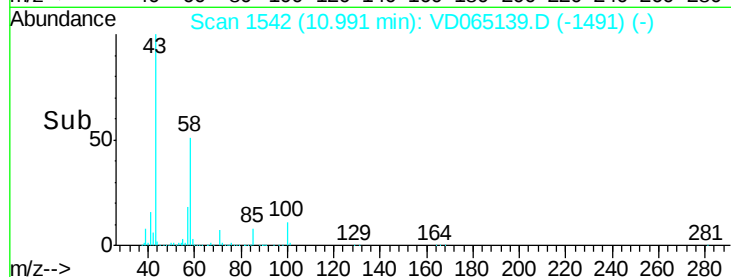
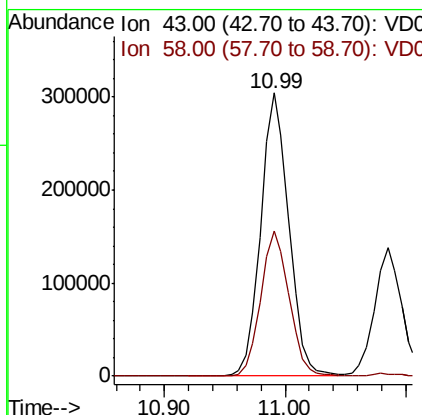
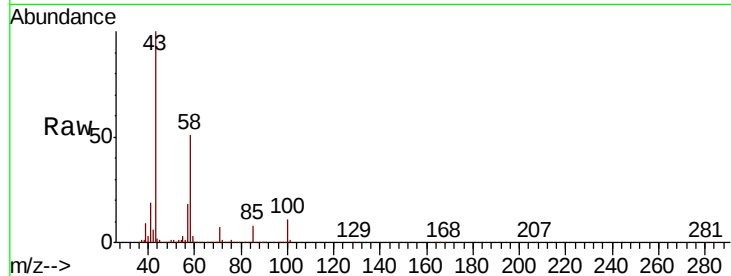
#59
2-Hexanone
Concen: 317.204 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 489716
Ion Ratio Lower Upper
43 100
58 51.7 26.2 78.6

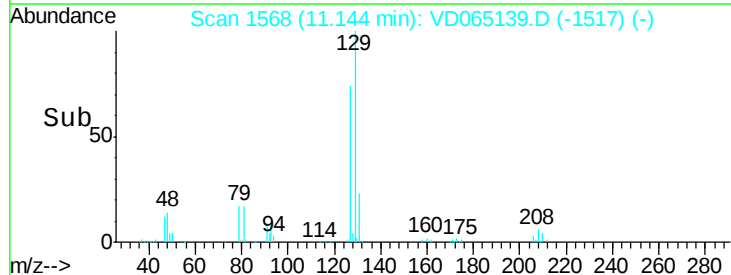
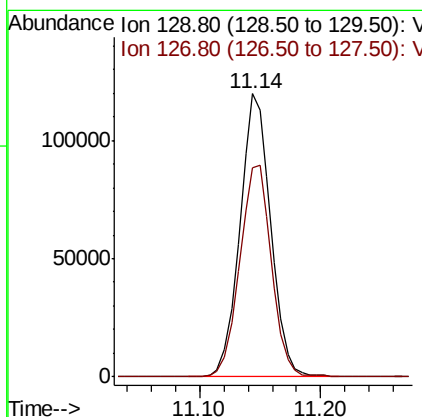
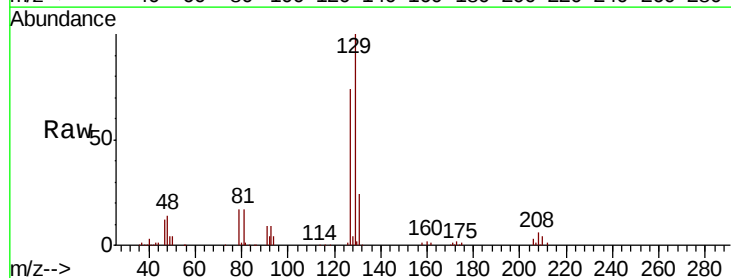
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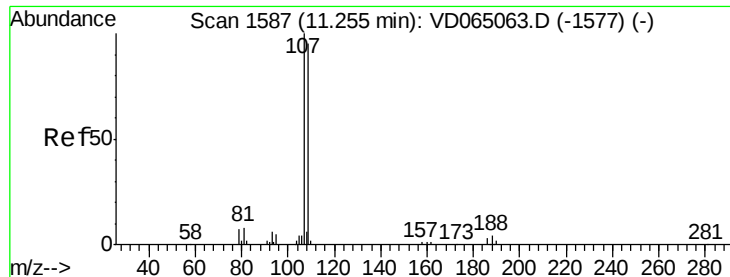
MMDadoda
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#60
Dibromochloromethane
Concen: 60.742 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion: 129 Resp: 212739
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.9





#61

1,2-Dibromoethane

Concen: 58.130 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.01 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 153586

Ion Ratio Lower Upper

107 100

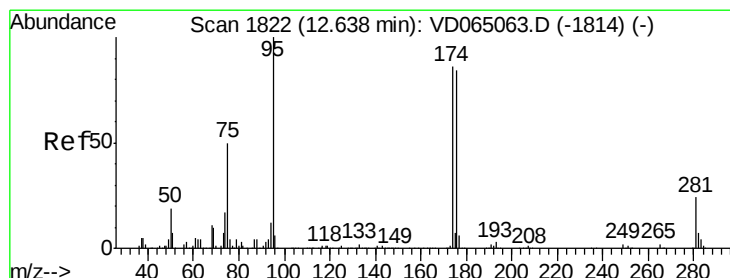
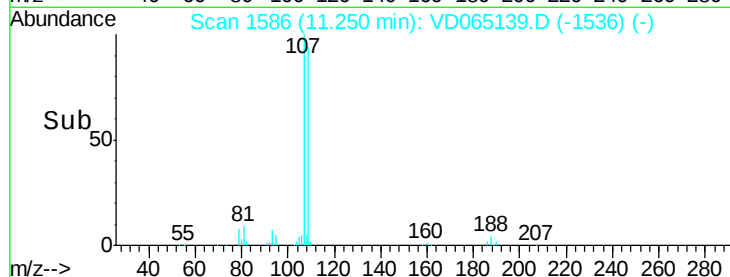
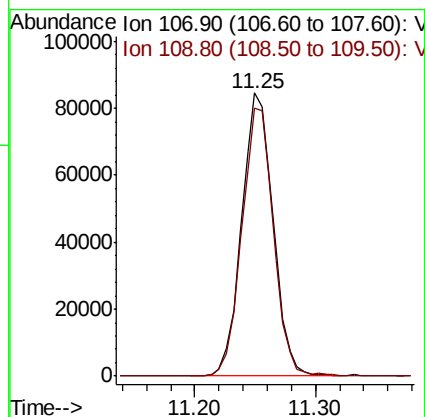
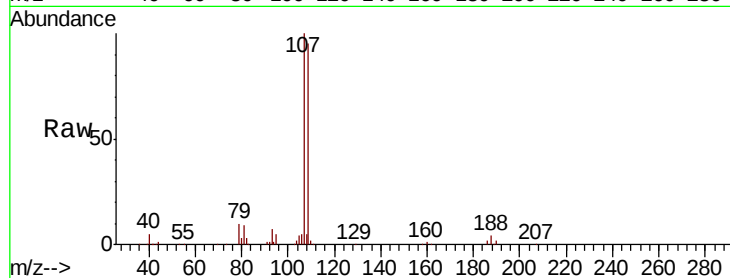
109 95.3 75.5 113.3

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#62

4-Bromofluorobenzene

Concen: 57.569 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

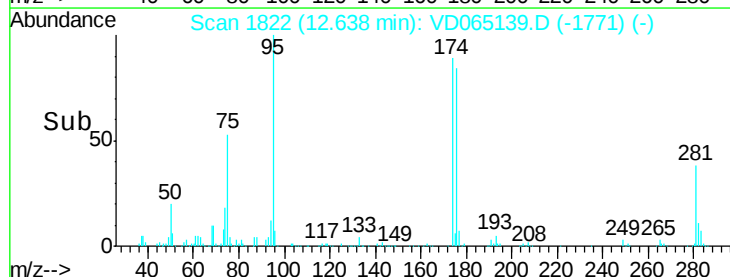
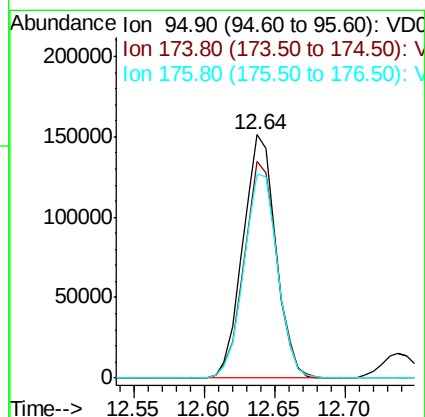
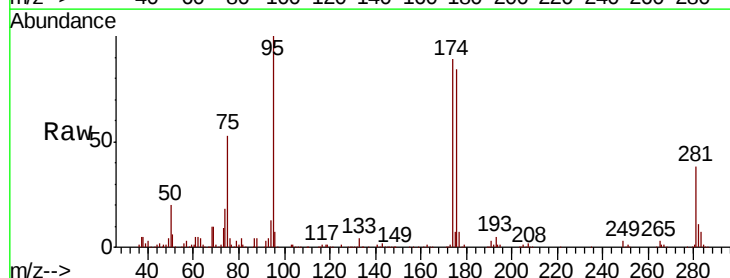
Tgt Ion: 95 Resp: 246853

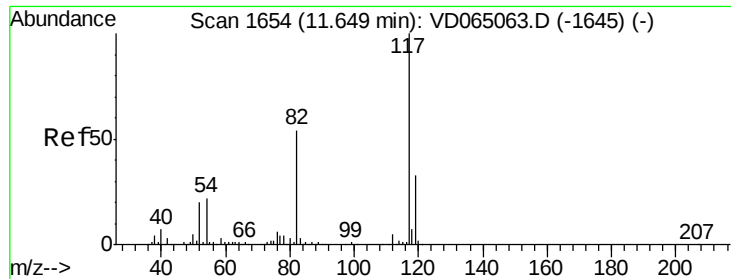
Ion Ratio Lower Upper

95 100

174 88.9 0.0 180.0

176 86.2 0.0 173.2





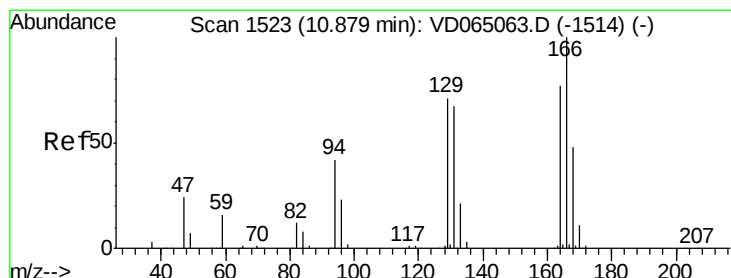
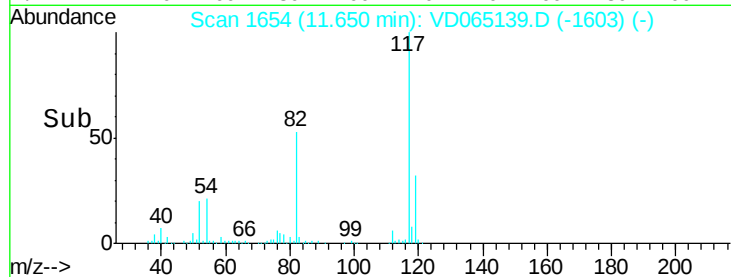
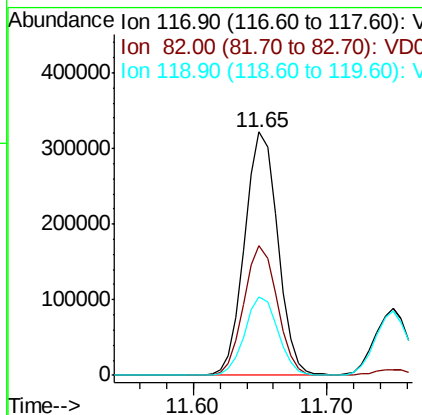
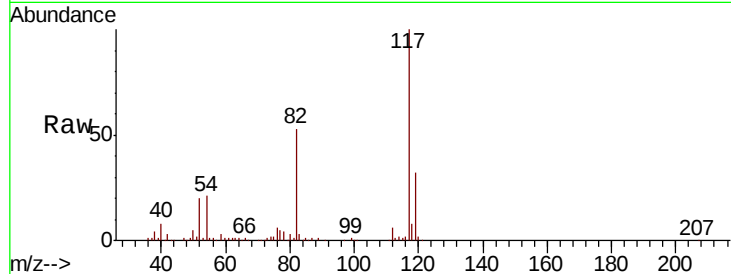
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.1	64.7
119	32.0	26.0	39.0

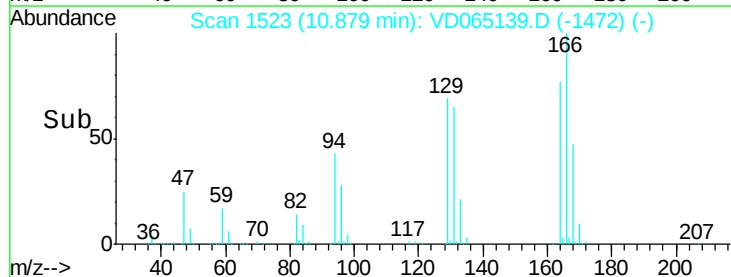
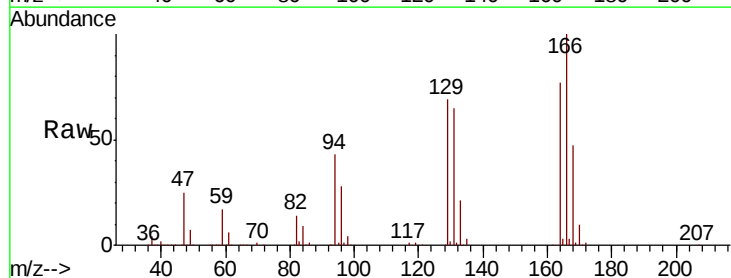
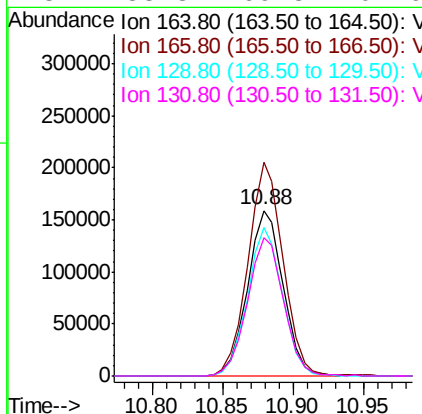
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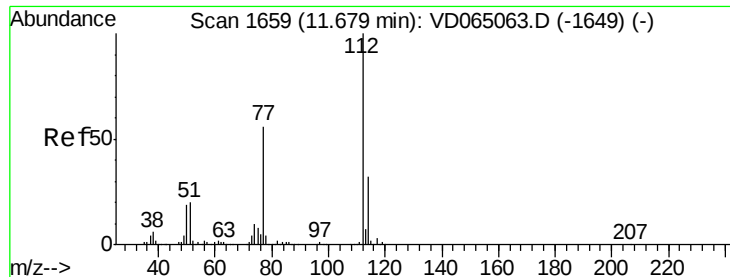
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#64
Tetrachloroethene
Concen: 70.383 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.5	155.3
129	89.5	73.3	109.9
131	83.3	69.8	104.6





#65

Chlorobenzene

Concen: 57.091 ug/l

RT: 11.68 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 610537

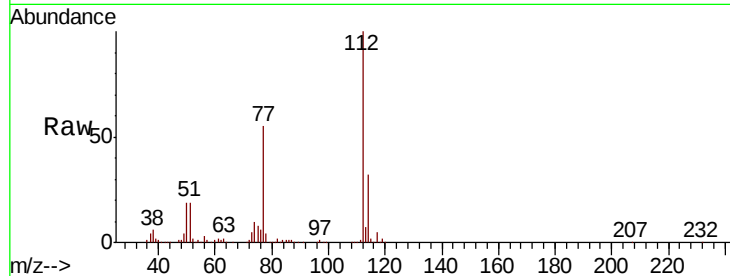
Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.0

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.68

400000

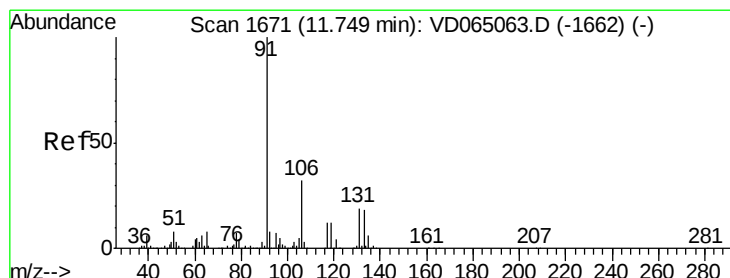
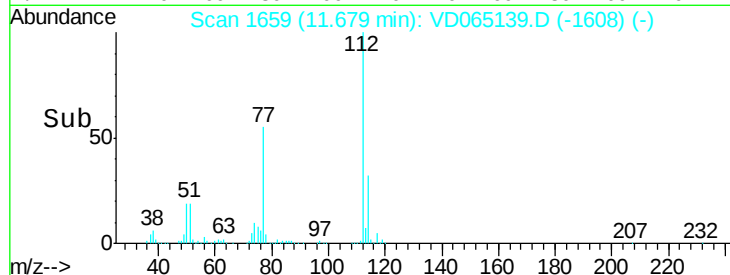
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 58.738 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

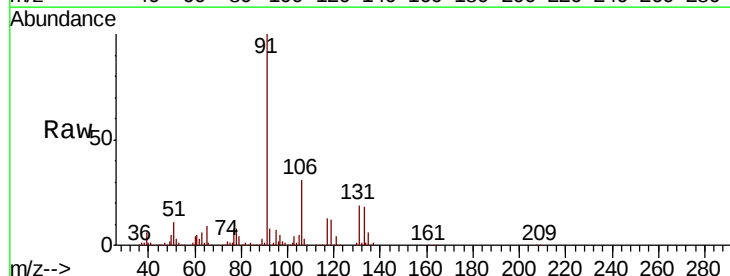
Tgt Ion:131 Resp: 231835

Ion Ratio Lower Upper

131 100

133 96.4 47.7 143.1

119 63.2 31.3 93.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.75

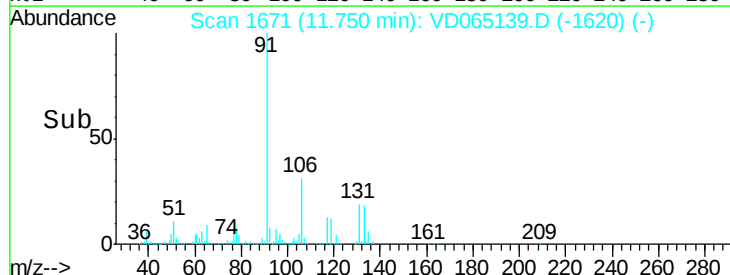
150000

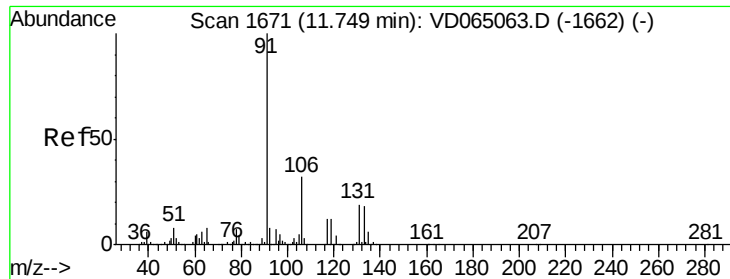
100000

50000

0

Time-->





#67

Ethyl Benzene

Concen: 57.576 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1118635

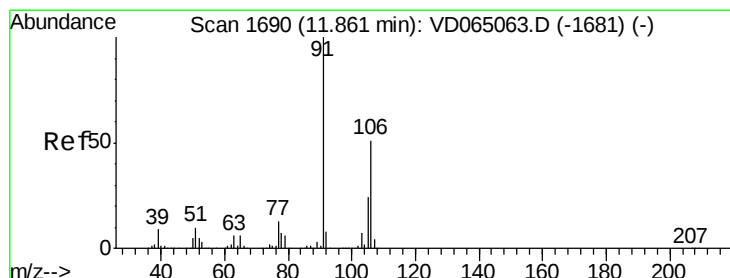
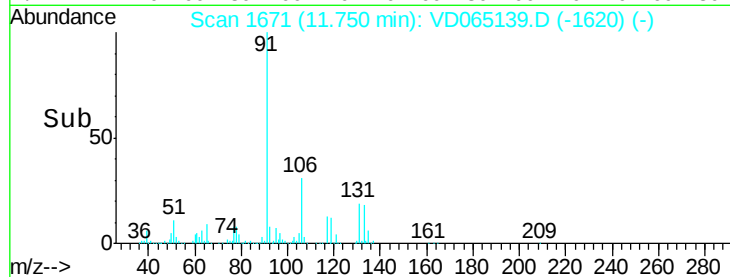
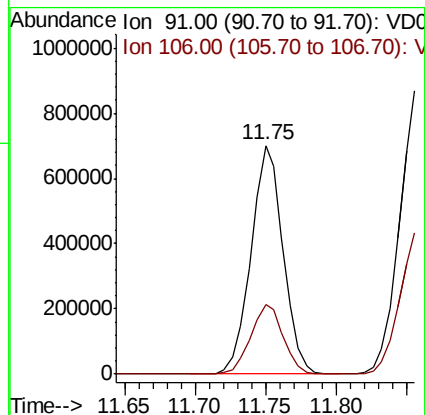
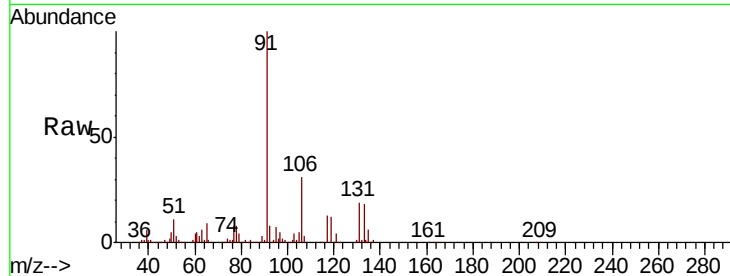
Ion Ratio Lower Upper

91 100

106 30.7 25.4 38.2

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#68

m/p-Xylenes

Concen: 115.903 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VD065139.D

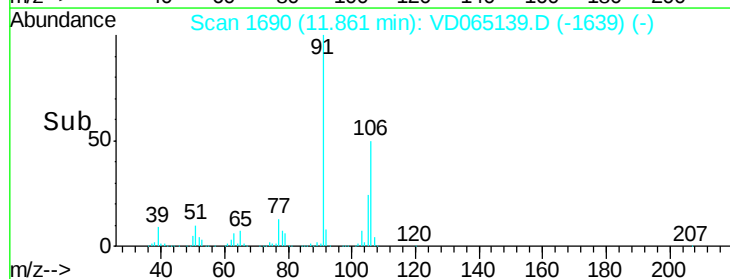
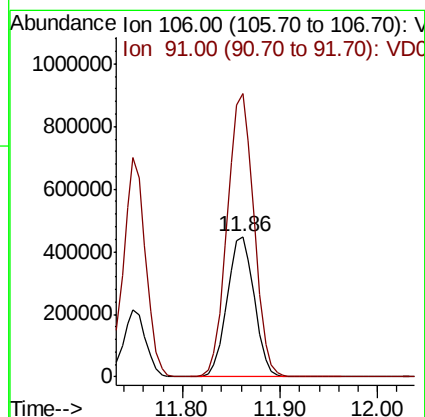
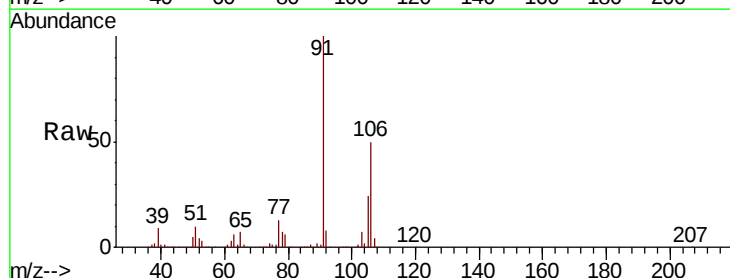
Acq: 10 Feb 2020 18:10

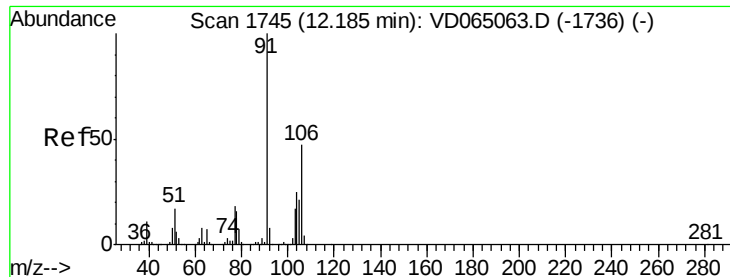
Tgt Ion: 106 Resp: 859479

Ion Ratio Lower Upper

106 100

91 200.0 158.9 238.3





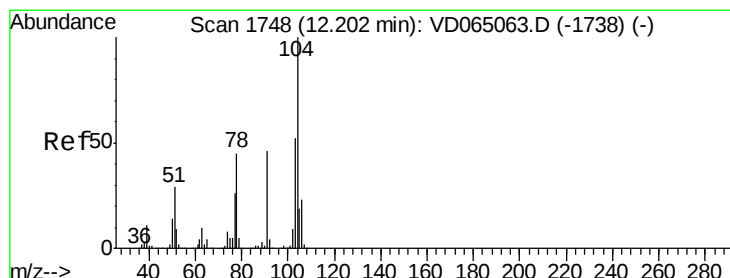
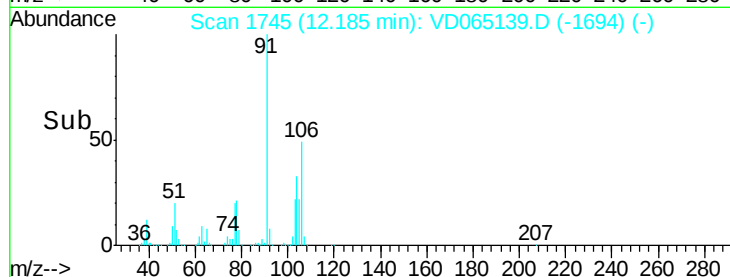
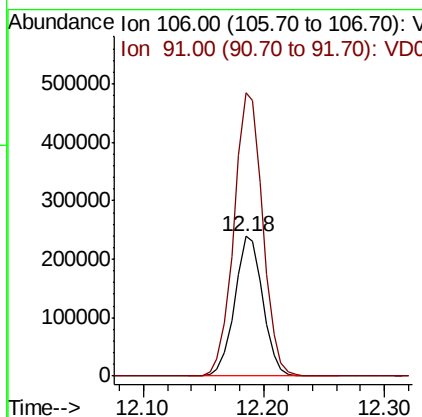
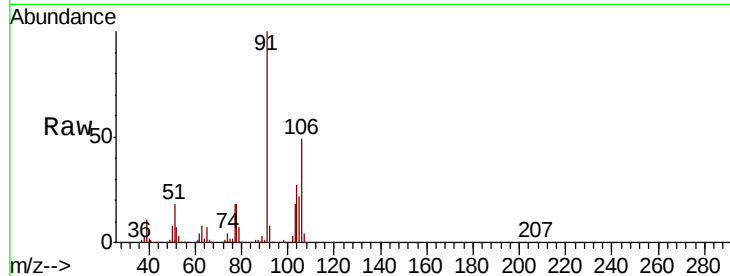
#69
o-Xylene
Concen: 58.235 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	207.1	104.7	313.9

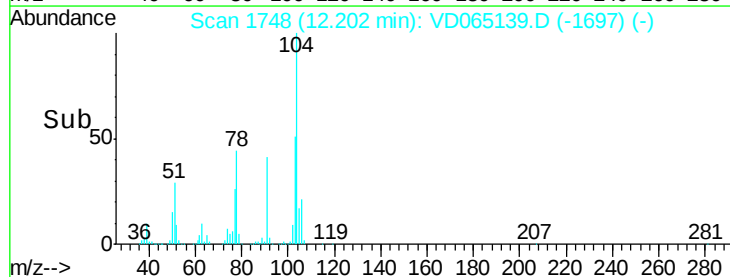
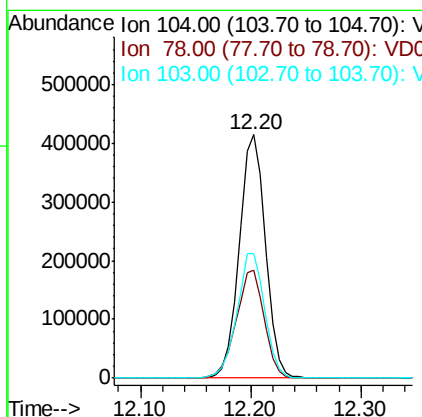
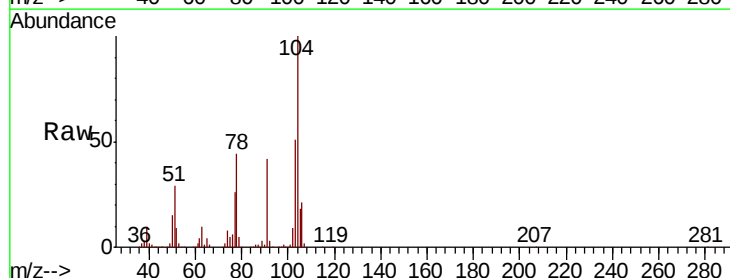
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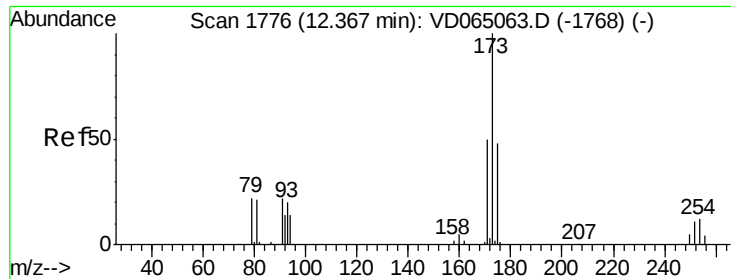
MMDadoda
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#70
Styrene
Concen: 59.727 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	47.5	38.5	57.7
103	103	54.4	43.8	65.8





#71

Bromoform

Concen: 58.736 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

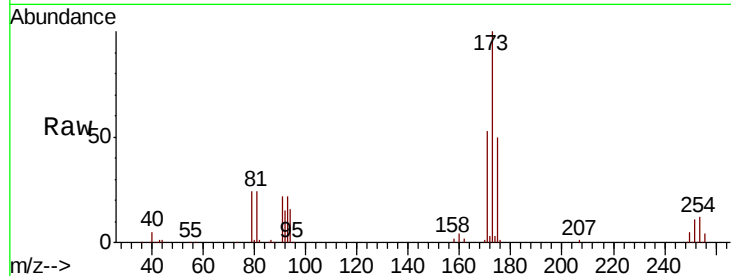
ClientSampleId :

VSTDCCC050EC

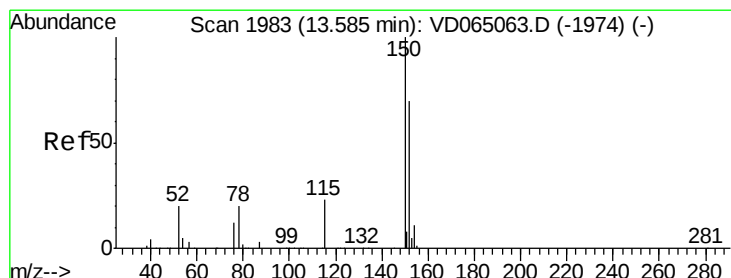
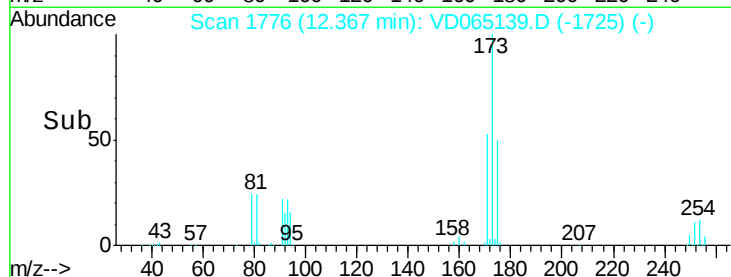
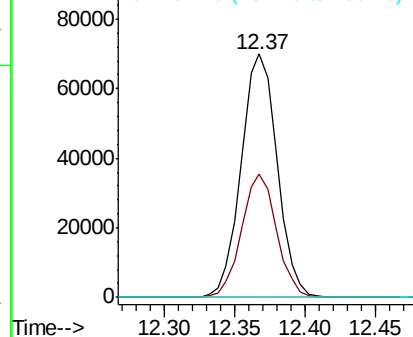
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	72.8
254	0.2	0.1	0.1

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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

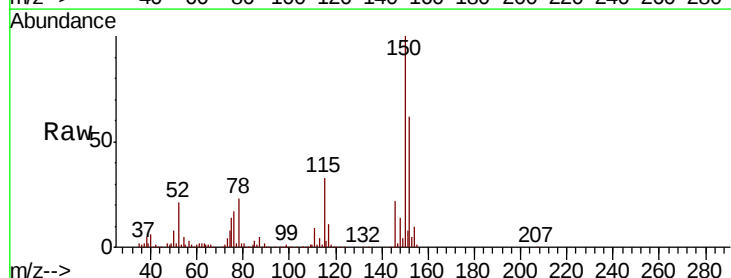
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

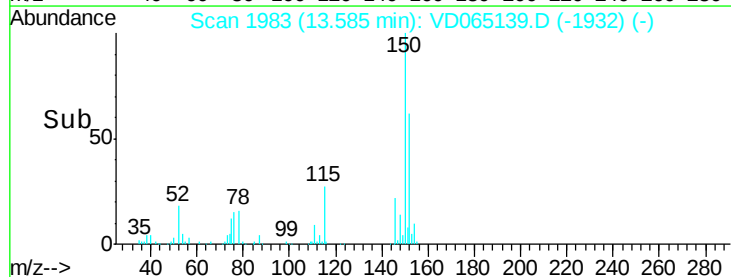
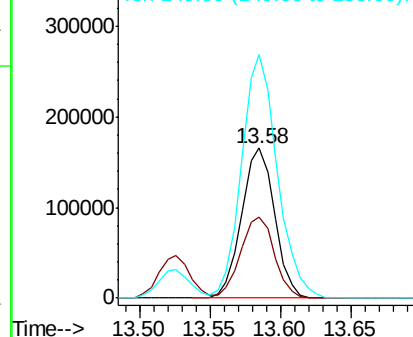
Lab File: VD065139.D

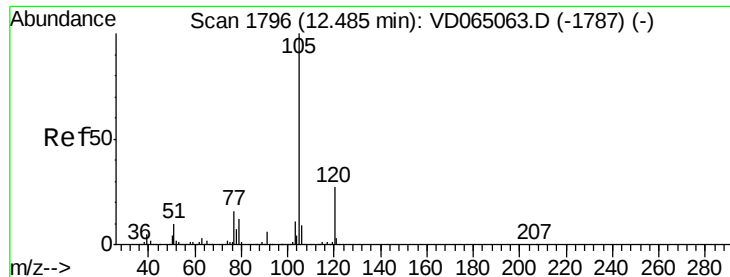
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.5	82.4
150	175.7	0.0	343.2



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: 55.326 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1028465

Ion Ratio Lower Upper

105 100

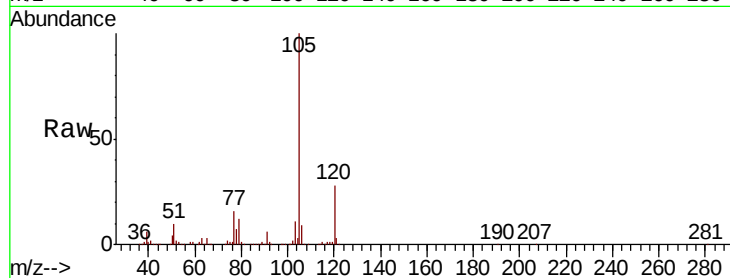
120 27.0 13.3 39.9

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

600000

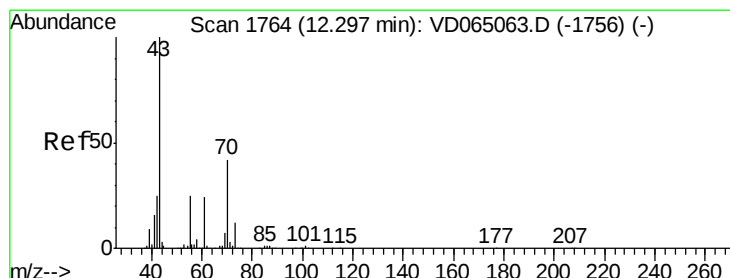
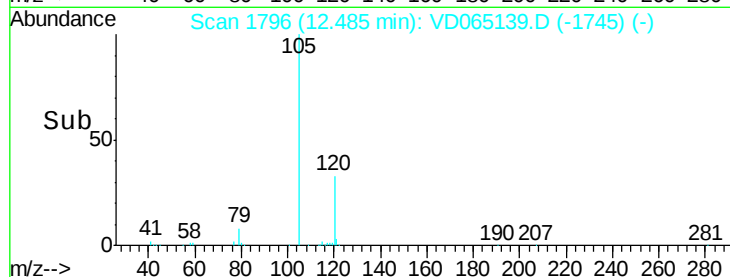
400000

200000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 56.634 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Tgt Ion: 43 Resp: 228824

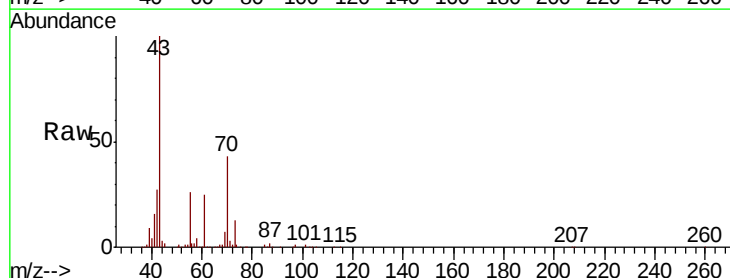
Ion Ratio Lower Upper

43 100

70 42.8 33.5 50.3

55 26.2 19.4 29.2

61 23.7 18.6 28.0



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

200000

150000

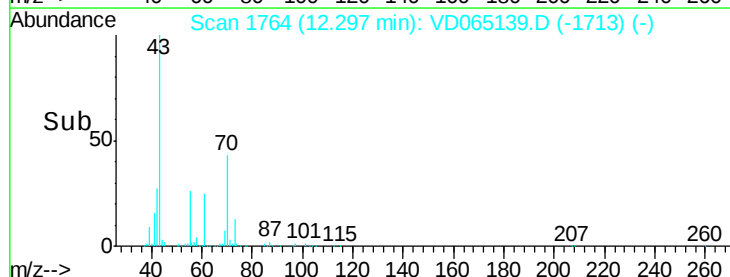
100000

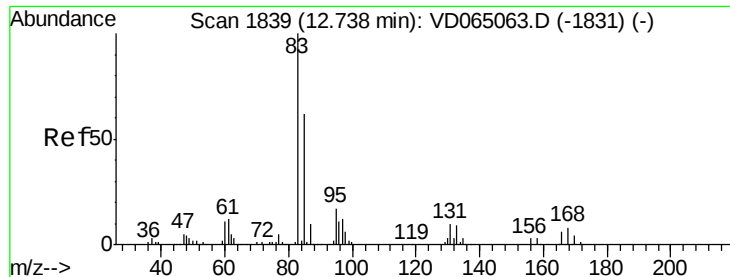
50000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 57.852 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

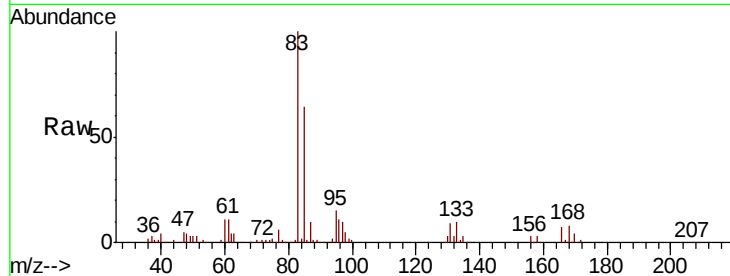
ClientSampleId :

VSTDCCC050EC

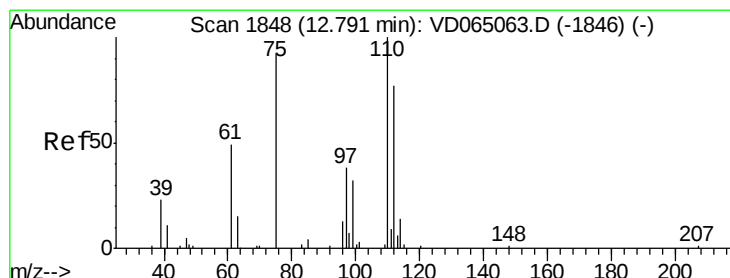
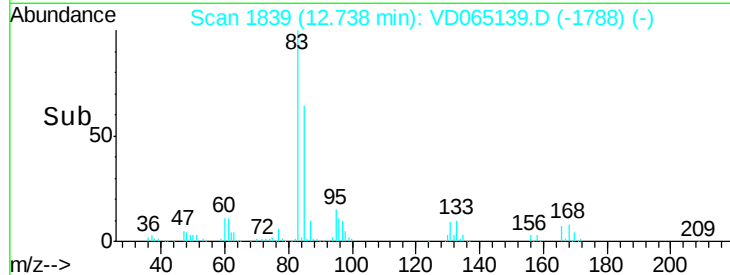
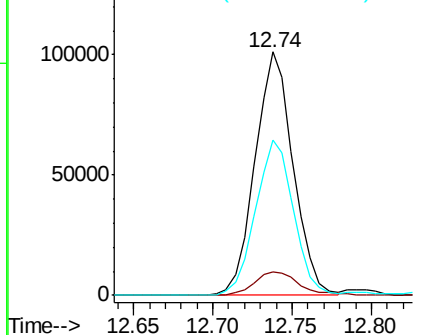
Tot Ion:	83	Resp:	169253
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	63.5	31.8	95.4

Manual Integrations
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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: 44.891 ug/l m

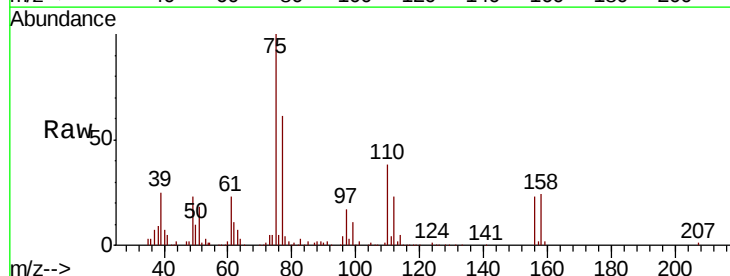
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

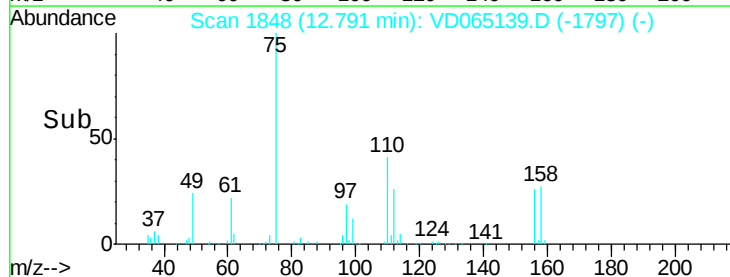
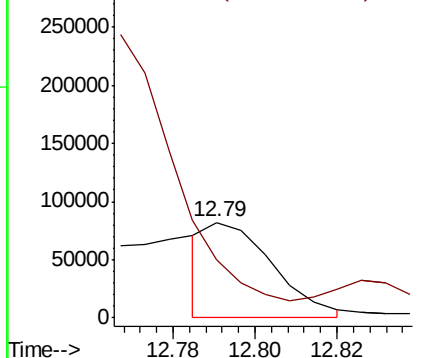
Lab File: VD065139.D

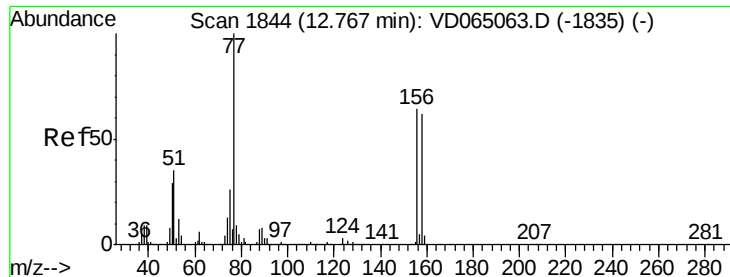
Acq: 10 Feb 2020 18:10

Tgt Ion:	75	Resp:	92048
Ion Ratio	Lower	Upper	
75	100		
77	0.0	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: 55.291 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 247633

Ion Ratio Lower Upper

156 100

77 173.5 85.6 256.8

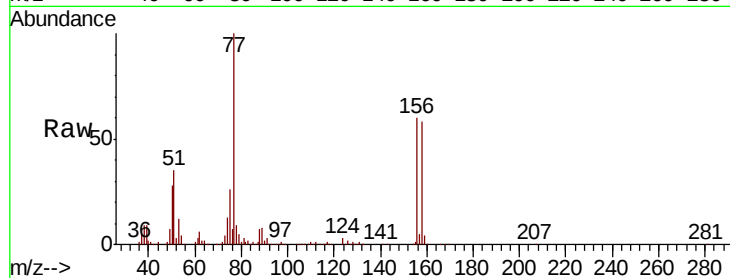
158 97.8 47.4 142.2

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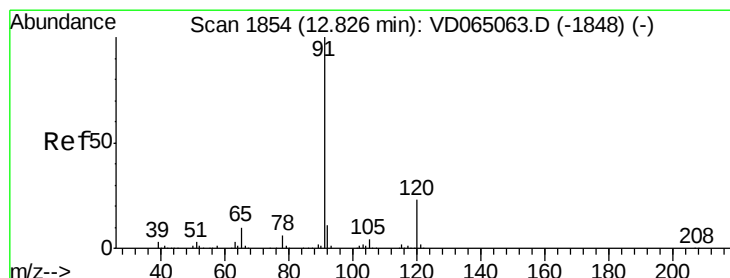
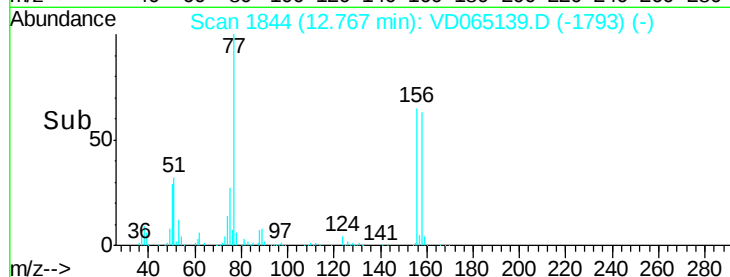
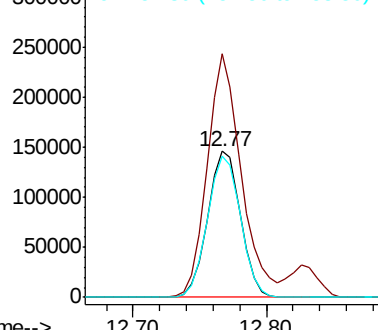
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.327 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065139.D

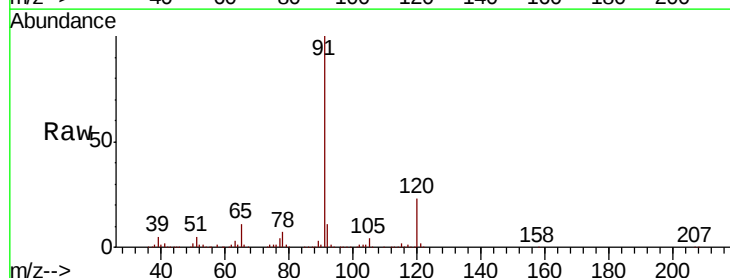
Acq: 10 Feb 2020 18:10

Tgt Ion: 91 Resp: 1226208

Ion Ratio Lower Upper

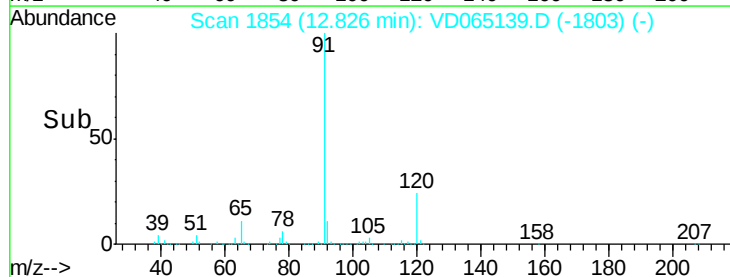
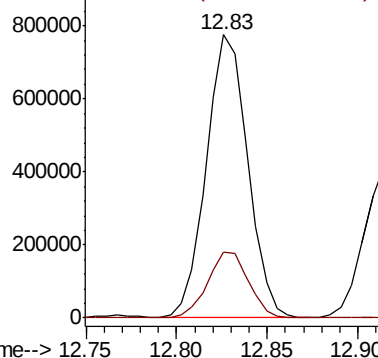
91 100

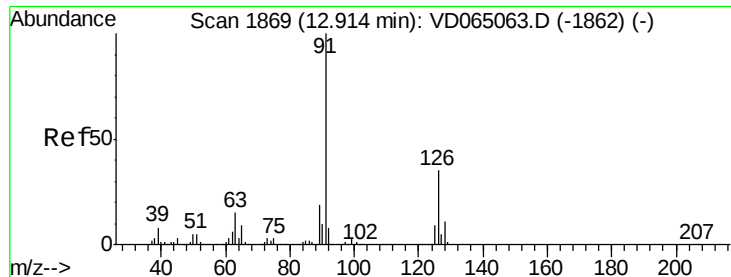
120 23.2 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 56.427 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 684710

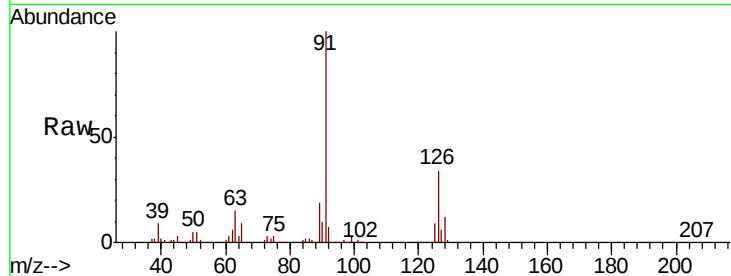
Ion Ratio Lower Upper

91 100

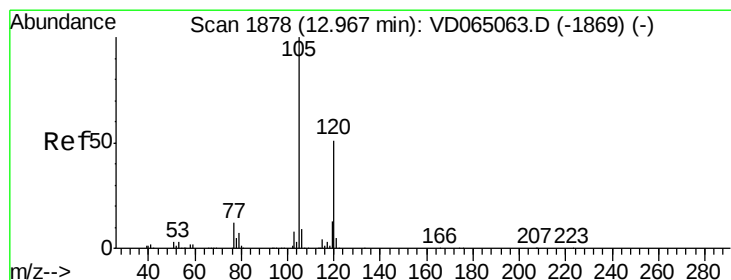
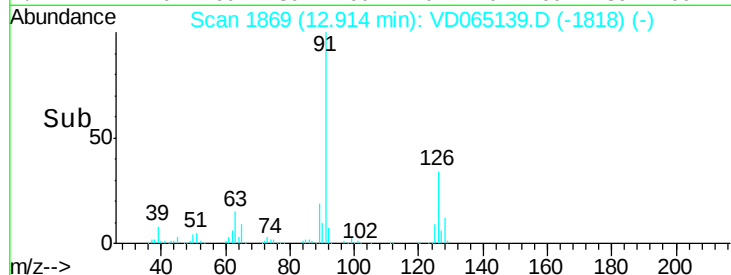
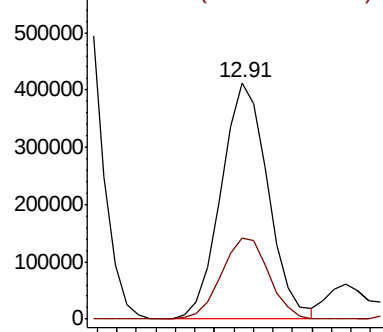
126 34.8 17.4 52.3

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Abundance Ion 91.00 (90.70 to 91.70): VD065139.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 56.308 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065139.D

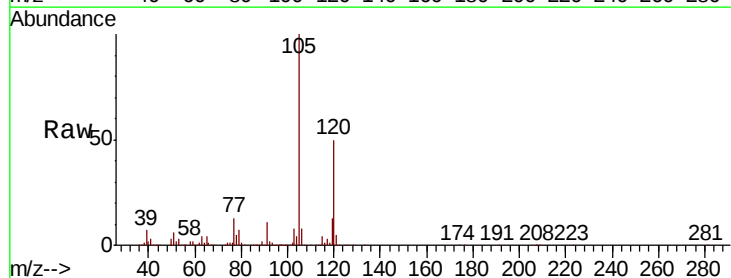
Acq: 10 Feb 2020 18:10

Tgt Ion: 105 Resp: 856320

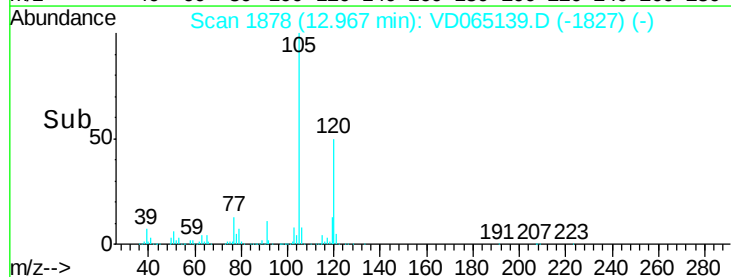
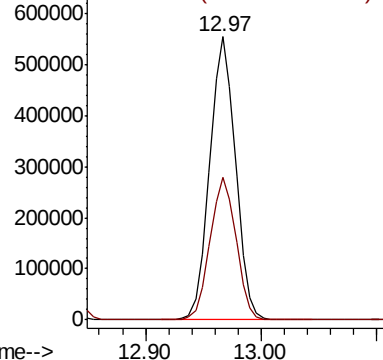
Ion Ratio Lower Upper

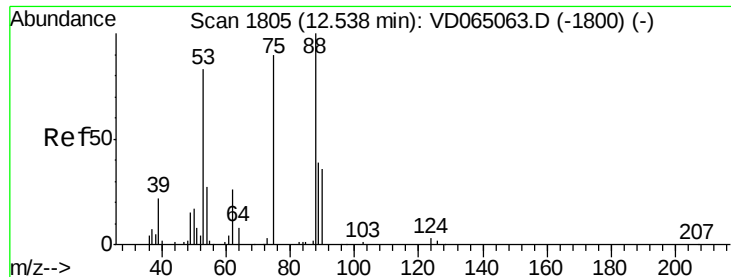
105 100

120 50.7 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065139.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 57.702 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

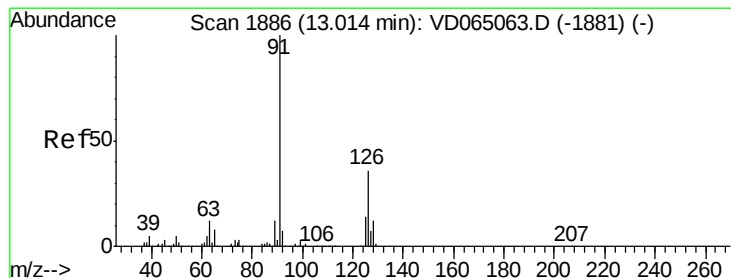
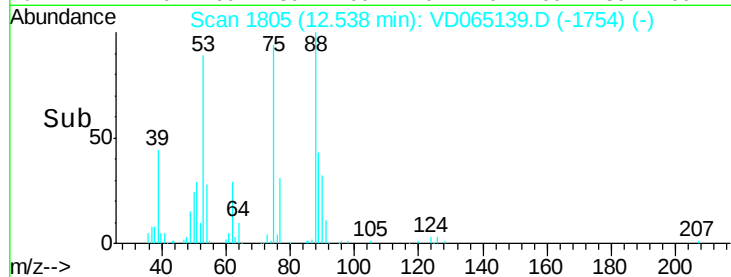
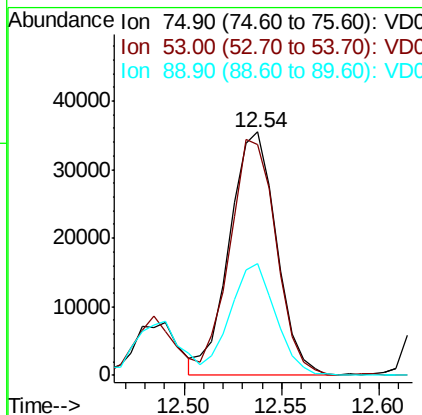
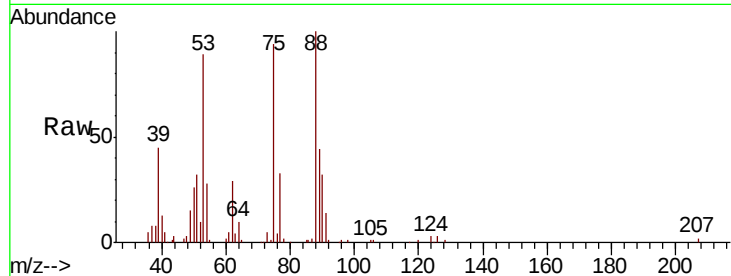
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	59161
Ion	Ratio	Lower	Upper
75	100		
53	95.6	78.5	117.7
89	44.4	37.0	55.4

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#82

4-Chlorotoluene

Concen: 56.621 ug/l

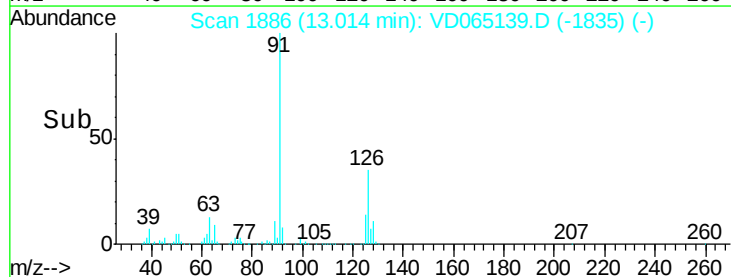
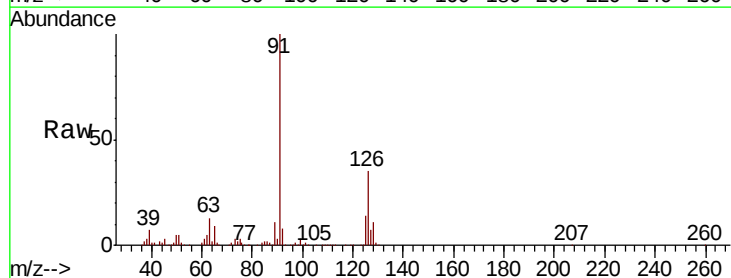
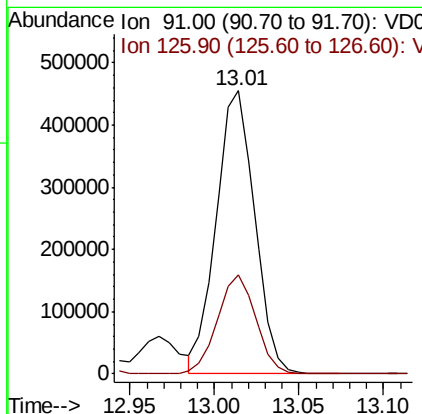
RT: 13.01 min Scan# 1886

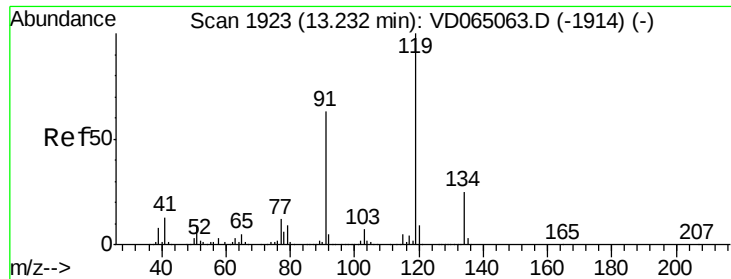
Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Tgt Ion:	91	Resp:	721595
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.5





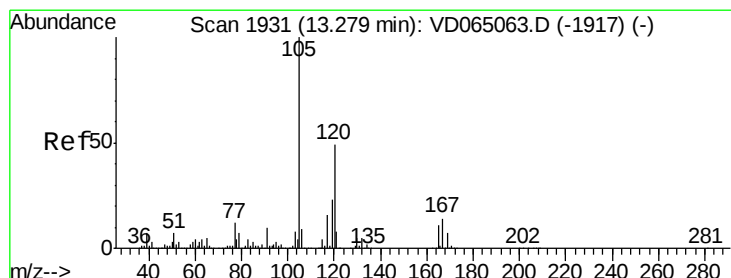
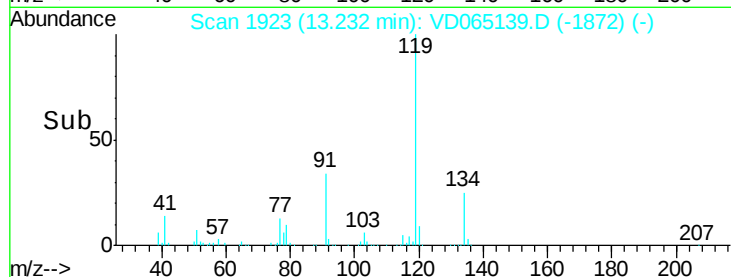
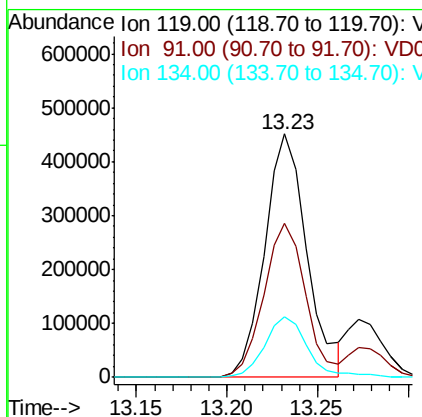
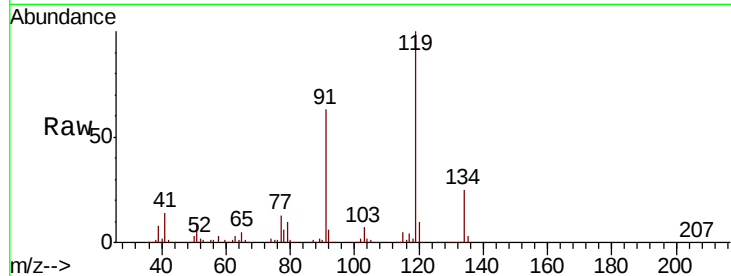
#83
tert-Butylbenzene
Concen: 55.703 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.8	32.3	96.9
134	25.7	13.8	41.3

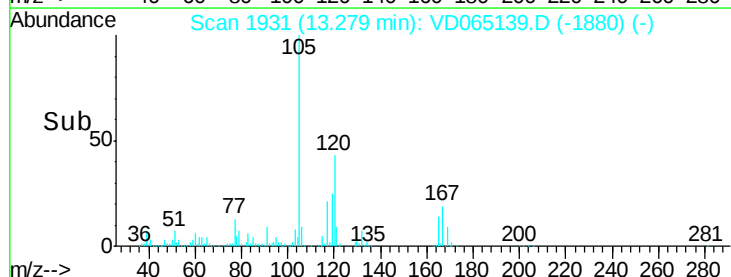
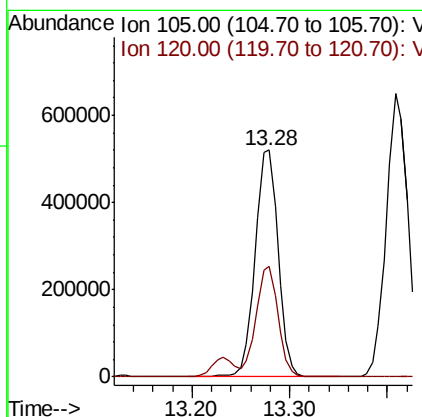
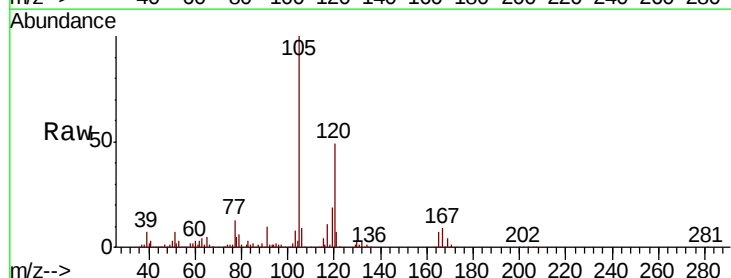
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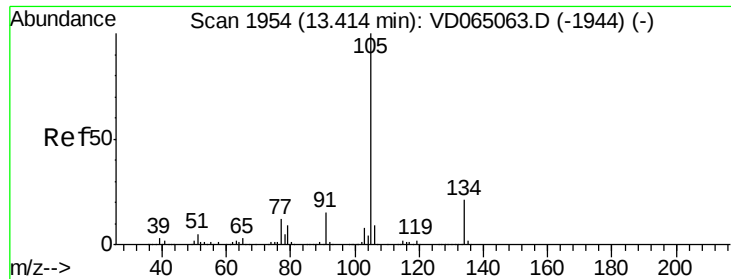
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#84
1,2,4-Trimethylbenzene
Concen: 56.846 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.5	70.5





#85

sec-Butylbenzene

Concen: 56.152 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1006229

Ion Ratio Lower Upper

105 100

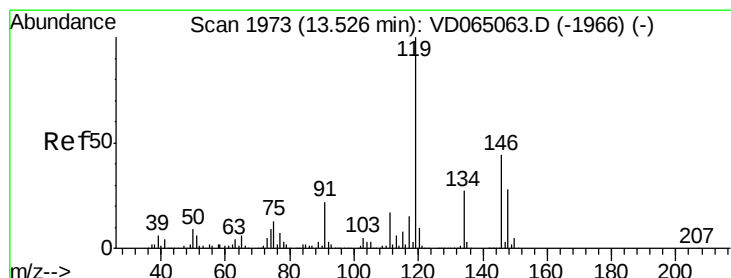
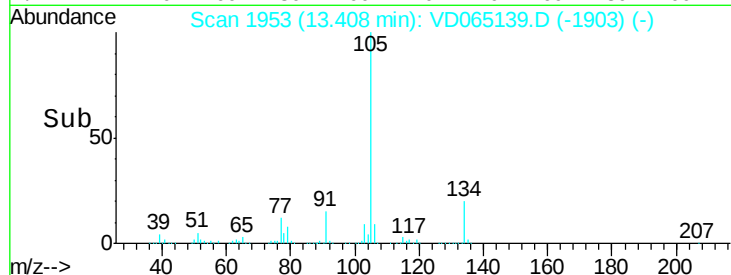
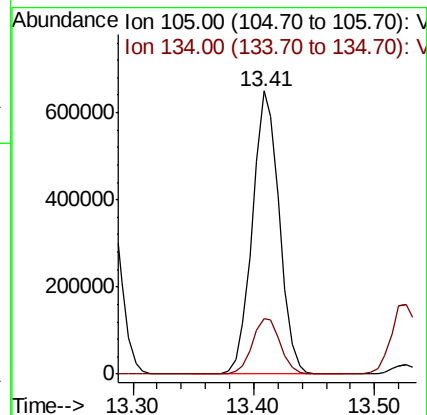
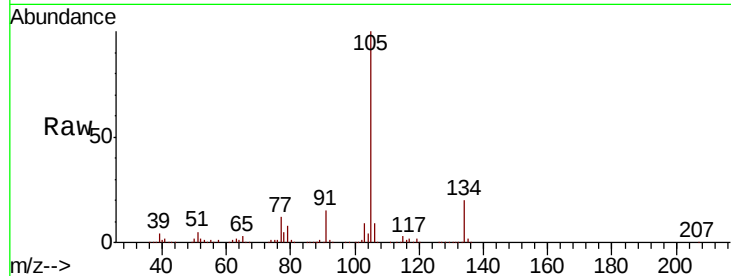
134 20.5 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 56.978 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

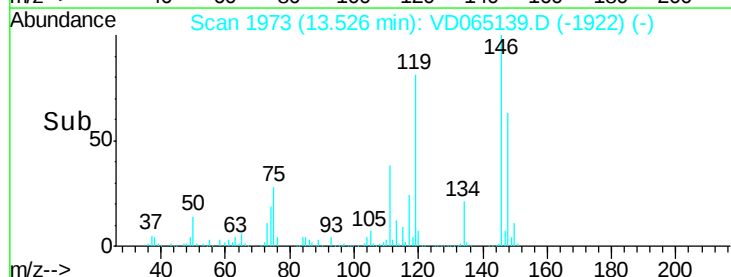
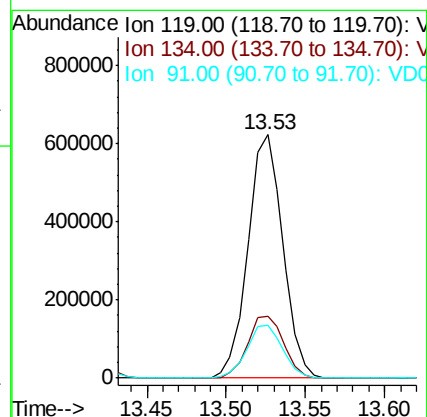
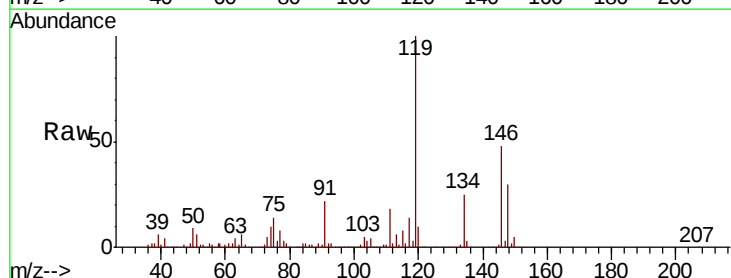
Tgt Ion:119 Resp: 948658

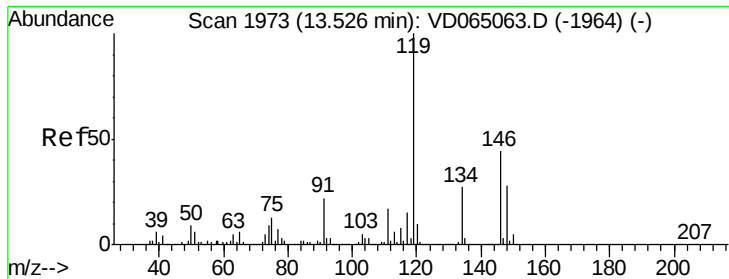
Ion Ratio Lower Upper

119 100

134 26.5 13.5 40.5

91 22.3 11.3 33.9





#87

1,3-Dichlorobenzene

Concen: 57.521 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Instrument :

MSVOA_D

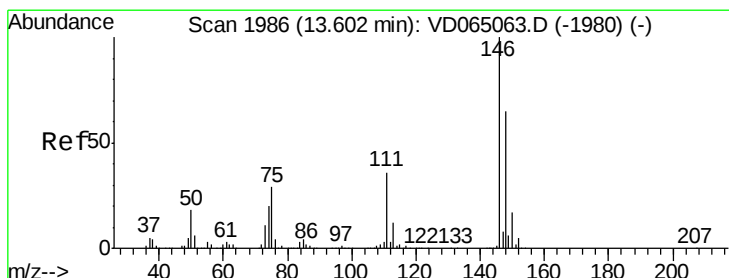
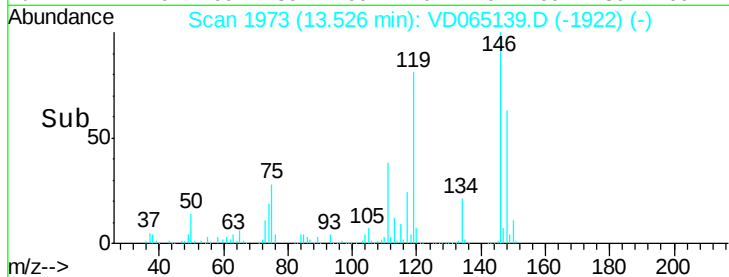
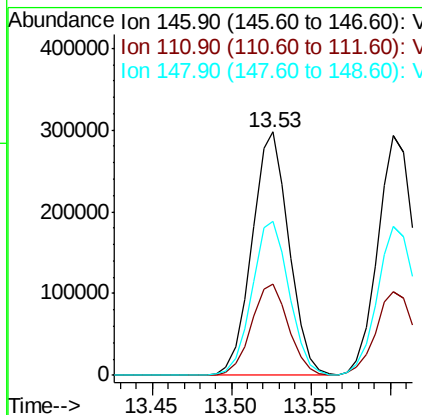
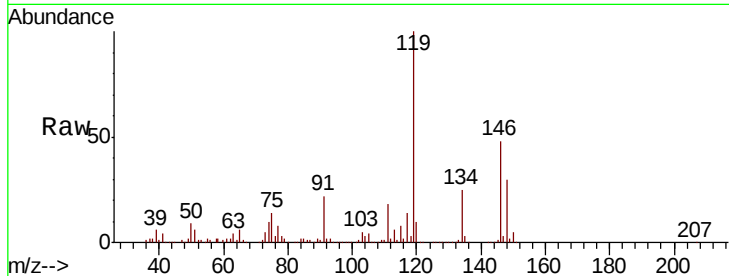
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	482345
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.4	58.4
148	63.5	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 56.324 ug/l

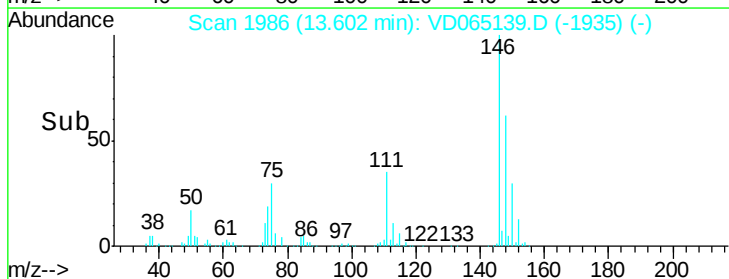
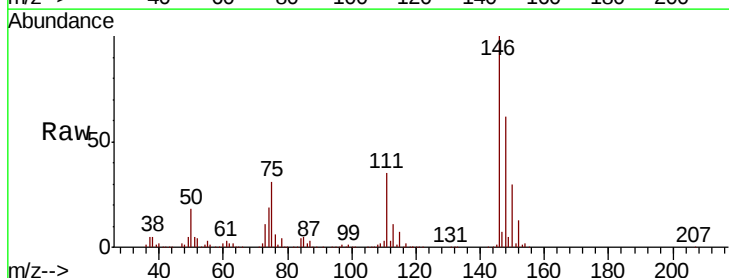
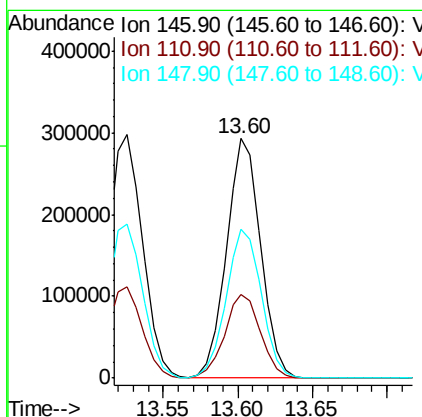
RT: 13.60 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VD065139.D

Acq: 10 Feb 2020 18:10

Tgt Ion:	146	Resp:	470081
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.5	55.5
148	64.0	32.7	98.1





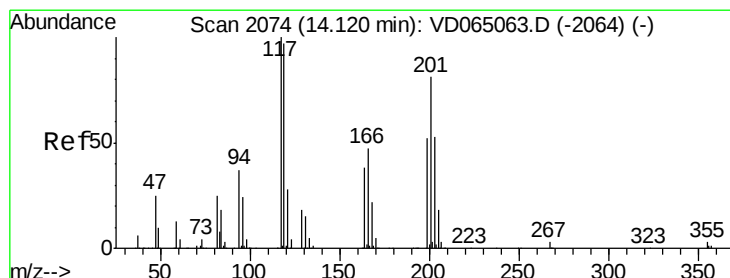
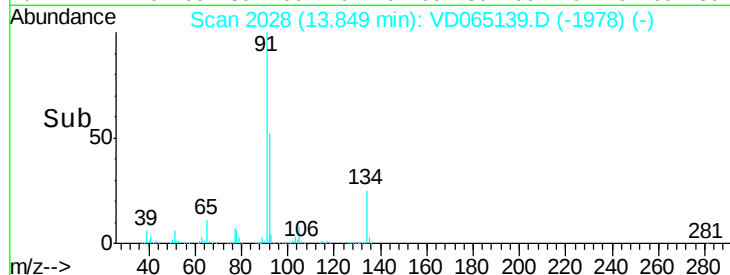
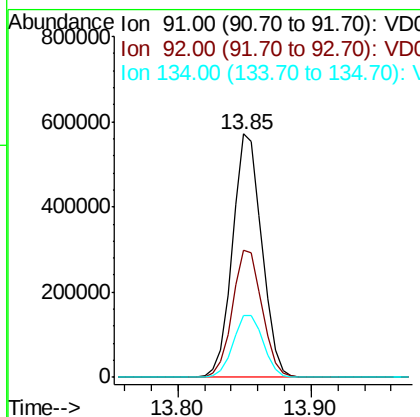
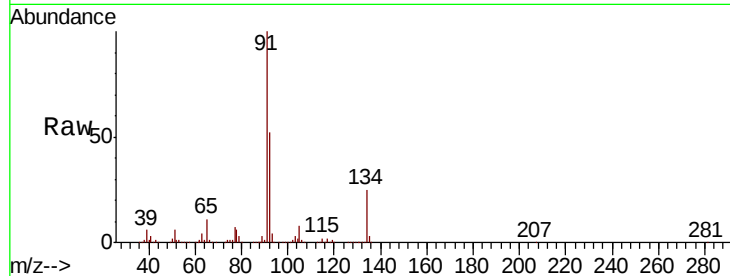
#89
n-Butylbenzene
Concen: 56.640 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.7	80.1
134	26.3	13.4	40.2

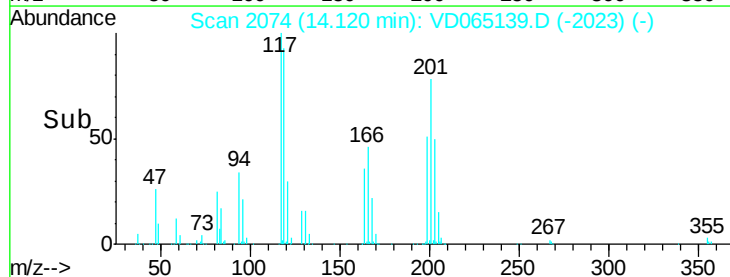
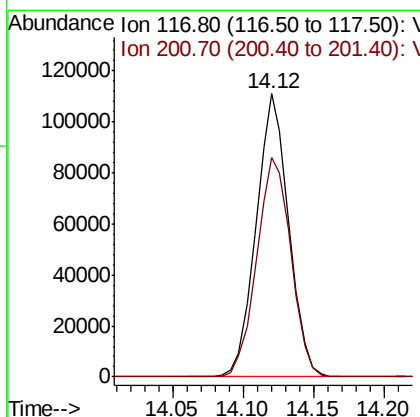
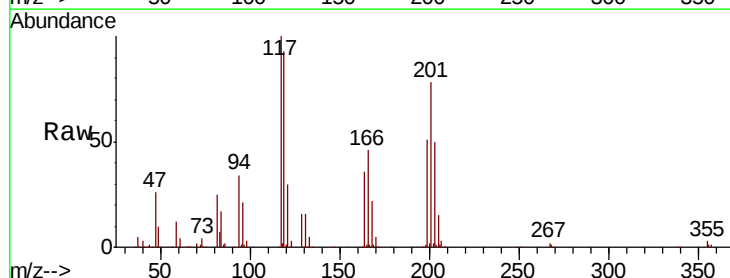
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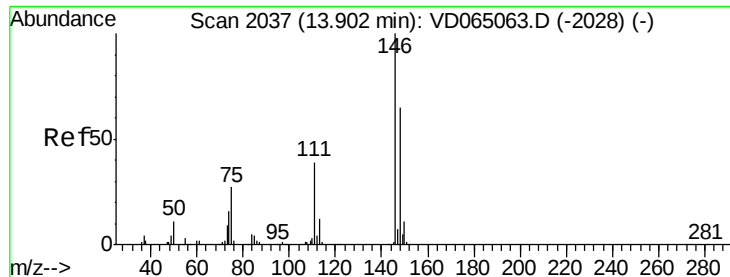
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#90
Hexachloroethane
Concen: 57.057 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	42.5	127.6





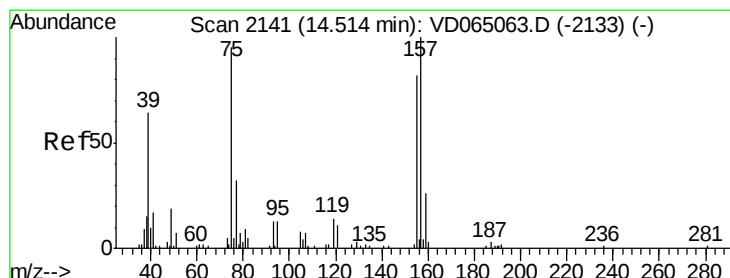
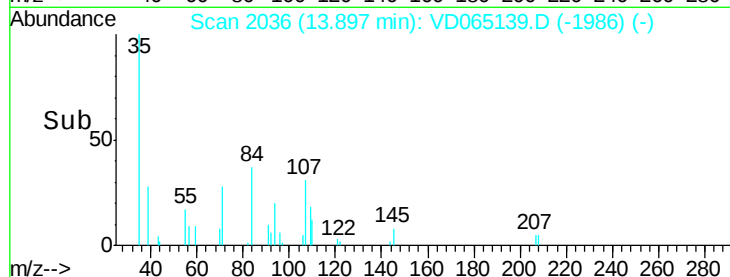
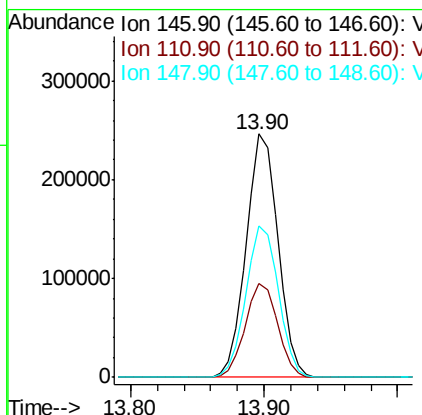
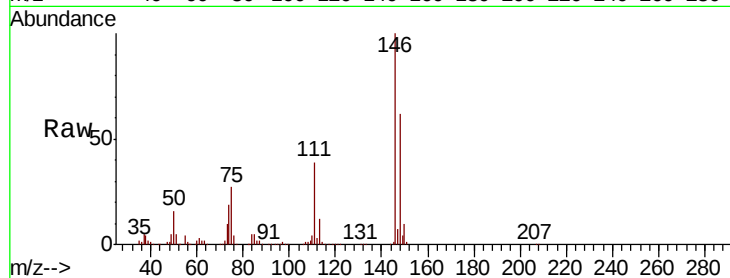
#91
 1,2-Dichlorobenzene
 Concen: 56.469 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.1
148	63.5	31.9	95.5

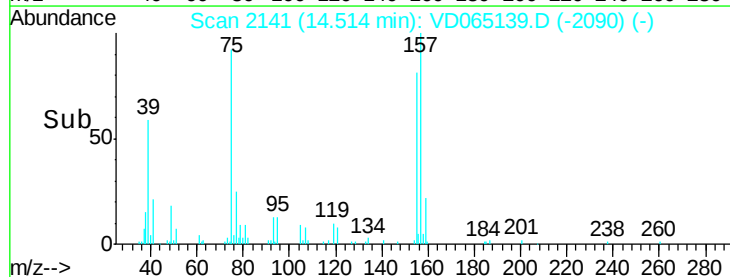
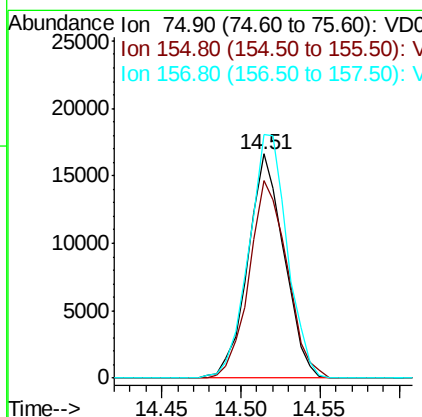
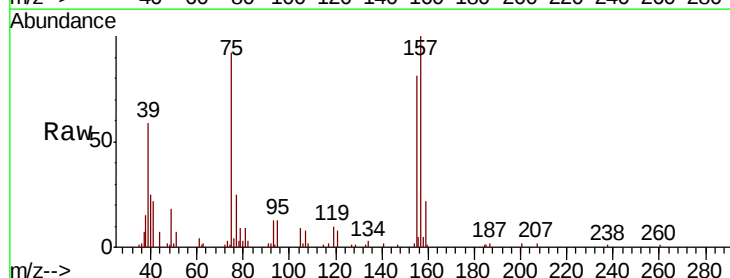
Manual Integrations
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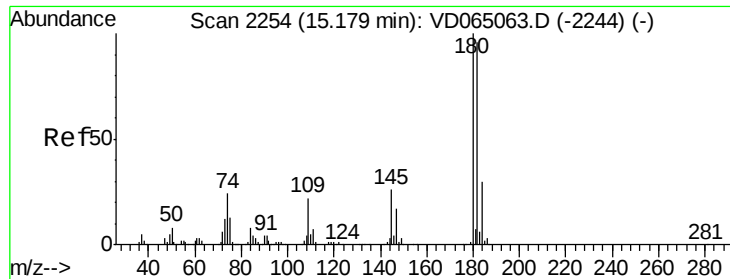
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.397 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	43.4	130.1
157	115.1	55.8	167.3





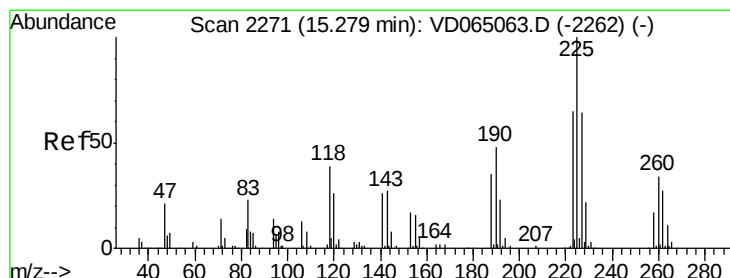
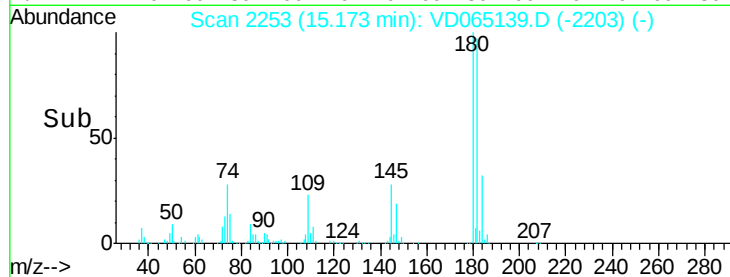
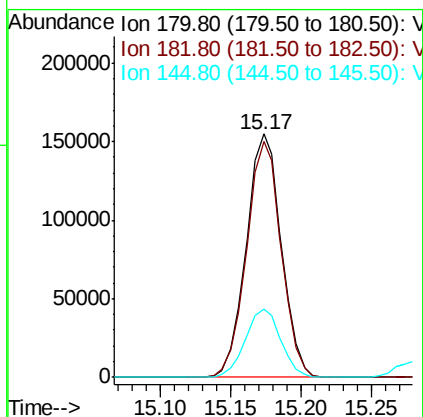
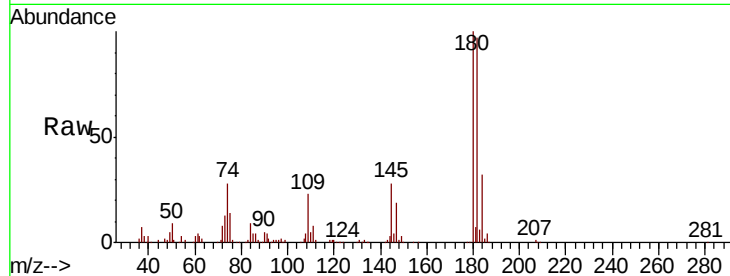
#93
 1,2,4-Trichlorobenzene
 Concen: 52.431 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.8	47.4	142.3
145	28.5	14.1	42.4

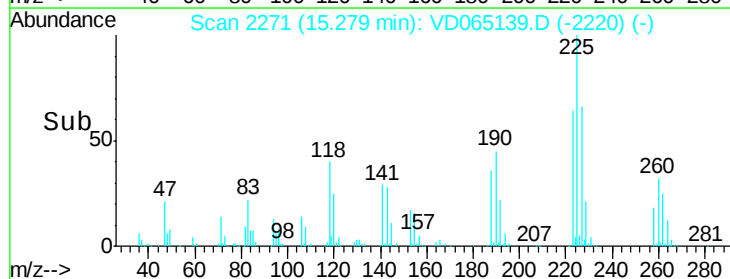
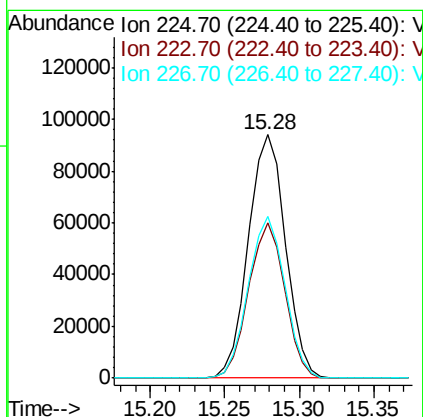
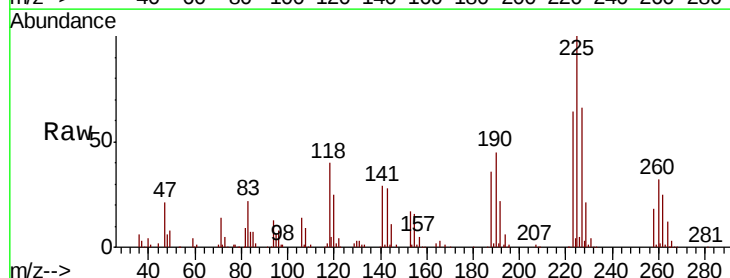
Manual Integrations
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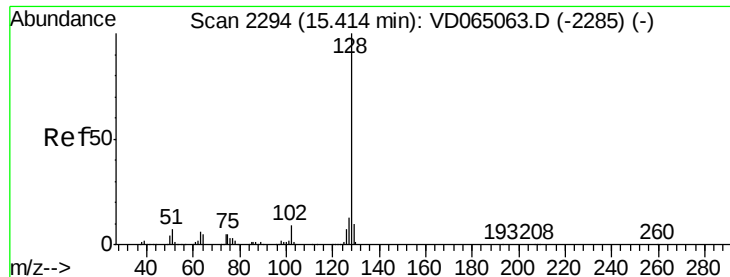
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#94
 Hexachlorobutadiene
 Concen: 51.254 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065139.D
 Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Resp Lower	Upper
225	100		
223	62.1	31.4	94.0
227	65.5	31.8	95.3





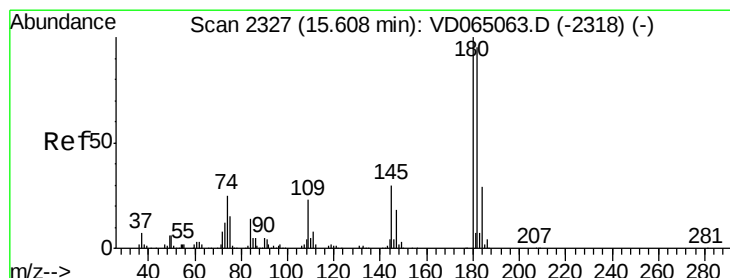
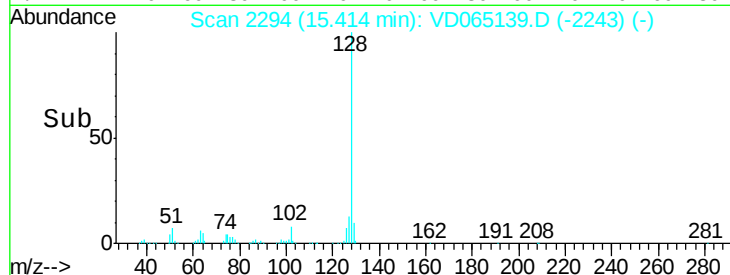
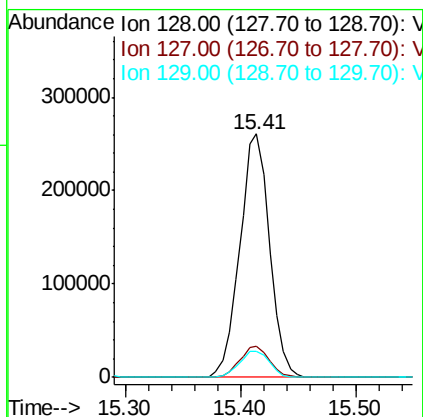
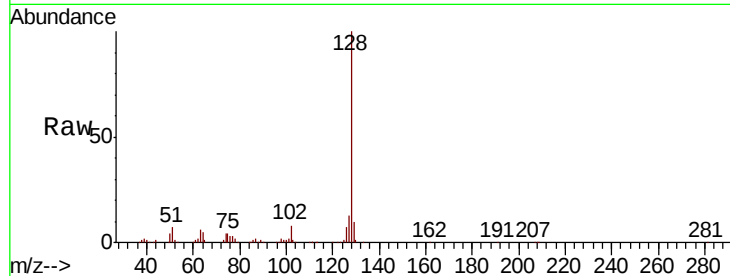
#95
Naphthalene
Concen: 54.503 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.8	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.375 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065139.D
Acq: 10 Feb 2020 18:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.1	141.4
145	29.9	14.9	44.9

