

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030520\
 Data File : VD065439.D
 Acq On : 05 Mar 2020 18:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/6/2020 11:17:35 AM

Quant Time: Mar 06 04:16:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 01:22:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	448397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	666165	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	605720	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303288	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	198072	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	7.92	113	207257	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	
50) Toluene-d8	10.34	98	804957	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.64	95	254798	52.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	166500	43.206	ug/l	97
3) Chloromethane	2.21	50	211437	45.445	ug/l	99
4) Vinyl Chloride	2.35	62	213638	46.554	ug/l	97
5) Bromomethane	2.77	94	139481	54.692	ug/l	98
6) Chloroethane	2.93	64	133933	47.653	ug/l	98
7) Trichlorofluoromethane	3.27	101	319134	47.196	ug/l	100
8) Diethyl Ether	3.71	74	103114	51.278	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	204864	47.041	ug/l	99
10) Methyl Iodide	4.30	142	232244	51.331	ug/l	98
11) Tert butyl alcohol	5.25	59	50338	228.161	ug/l	96
12) 1,1-Dichloroethene	4.06	96	194653	46.678	ug/l	98
13) Acrolein	3.93	56	92637	243.465	ug/l	99
14) Allyl chloride	4.71	41	315820	49.300	ug/l	99
15) Acrylonitrile	5.43	53	233773	267.226	ug/l	100
16) Acetone	4.17	43	180700	232.296	ug/l	100
17) Carbon Disulfide	4.40	76	649859	46.795	ug/l	98
18) Methyl Acetate	4.72	43	101580	51.479	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	438024	54.620	ug/l	97
20) Methylene Chloride	4.96	84	228328	54.351	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	230820	49.757	ug/l	98
22) Diisopropyl ether	6.37	45	654879	54.992	ug/l	97
23) Vinyl Acetate	6.31	43	1868476	282.580	ug/l	99
24) 1,1-Dichloroethane	6.27	63	386497	50.600	ug/l	99
25) 2-Butanone	7.23	43	275832	259.840	ug/l	99
26) 2,2-Dichloropropane	7.21	77	319334	47.840	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	244522	51.569	ug/l	99
28) Bromochloromethane	7.55	49	166057	54.338	ug/l	98
29) Tetrahydrofuran	7.57	42	187452	276.513	ug/l	98
30) Chloroform	7.71	83	396381	51.919	ug/l	97
31) Cyclohexane	7.98	56	357604	46.820	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	346992	49.181	ug/l	99
36) 1,1-Dichloropropene	8.11	75	315909	49.472	ug/l	99
37) Ethyl Acetate	7.30	43	132976	53.877	ug/l	98
38) Carbon Tetrachloride	8.10	117	324386	48.988	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	375282	48.659	ug/l	95
40) Benzene	8.36	78	899666	50.390	ug/l	99
41) Methacrylonitrile	7.54	41	75255	57.654	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	244395	52.421	ug/l	100
43) Isopropyl Acetate	8.46	43	236686	51.936	ug/l	99
44) Trichloroethene	9.11	130	249214	49.427	ug/l	99
45) 1,2-Dichloropropane	9.39	63	224070	51.811	ug/l	96
46) Dibromomethane	9.48	93	117073	52.188	ug/l	98
47) Bromodichloromethane	9.67	83	304583	52.190	ug/l	99
48) Methyl methacrylate	9.46	41	114201	53.273	ug/l	99
49) 1,4-Dioxane	9.47	88	27518	1072.406	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	642840	280.311	ug/l	99
52) Toluene	10.41	92	577080	51.308	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	290834	53.326	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	349705	52.973	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	164665	51.826	ug/l	99
56) Ethyl methacrylate	10.67	69	200060	55.853	ug/l	97
57) 1,3-Dichloropropane	10.95	76	284432	52.909	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	276554	247.061	ug/l	100
59) 2-Hexanone	10.99	43	438520	276.229	ug/l	99
60) Dibromochloromethane	11.14	129	215188	52.836	ug/l	98
61) 1,2-Dibromoethane	11.25	107	160297	52.892	ug/l	98
64) Tetrachloroethene	10.88	164	212357	48.926	ug/l	97
65) Chlorobenzene	11.67	112	612551	51.103	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	227491	52.111	ug/l	97
67) Ethyl Benzene	11.75	91	1071458	51.733	ug/l	99
68) m/p-Xylenes	11.86	106	837210	104.834	ug/l	100
69) o-Xylene	12.18	106	374304	53.283	ug/l	99
70) Styrene	12.20	104	670553	54.237	ug/l	99
71) Bromoform	12.37	173	128218	52.289	ug/l #	99
73) Isopropylbenzene	12.48	105	1011622	50.711	ug/l	100
74) N-amyl acetate	12.30	43	223537	54.735	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	183250	52.260	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	135682m	56.695	ug/l	
77) Bromobenzene	12.77	156	255783	51.608	ug/l	98
78) n-propylbenzene	12.83	91	1213196	51.256	ug/l	99
79) 2-Chlorotoluene	12.91	91	671651	50.350	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	839755	51.204	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	57480	50.685	ug/l	96
82) 4-Chlorotoluene	13.01	91	717651	51.196	ug/l	100
83) tert-Butylbenzene	13.23	119	706978	50.955	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	842019	52.086	ug/l	99
85) sec-Butylbenzene	13.41	105	994690	50.225	ug/l	99
86) p-Isopropyltoluene	13.53	119	924973	51.183	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	474734	49.821	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	465199	49.079	ug/l	100
89) n-Butylbenzene	13.85	91	842414	50.422	ug/l	100
90) Hexachloroethane	14.12	117	182438	49.020	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	417455	51.481	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27257	51.040	ug/l	98

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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	283188	51.527	ug/l	98
94) Hexachlorobutadiene	15.28	225	174232	48.247	ug/l	99
95) Naphthalene	15.41	128	478820	48.980	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	247551	52.125	ug/l	98

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

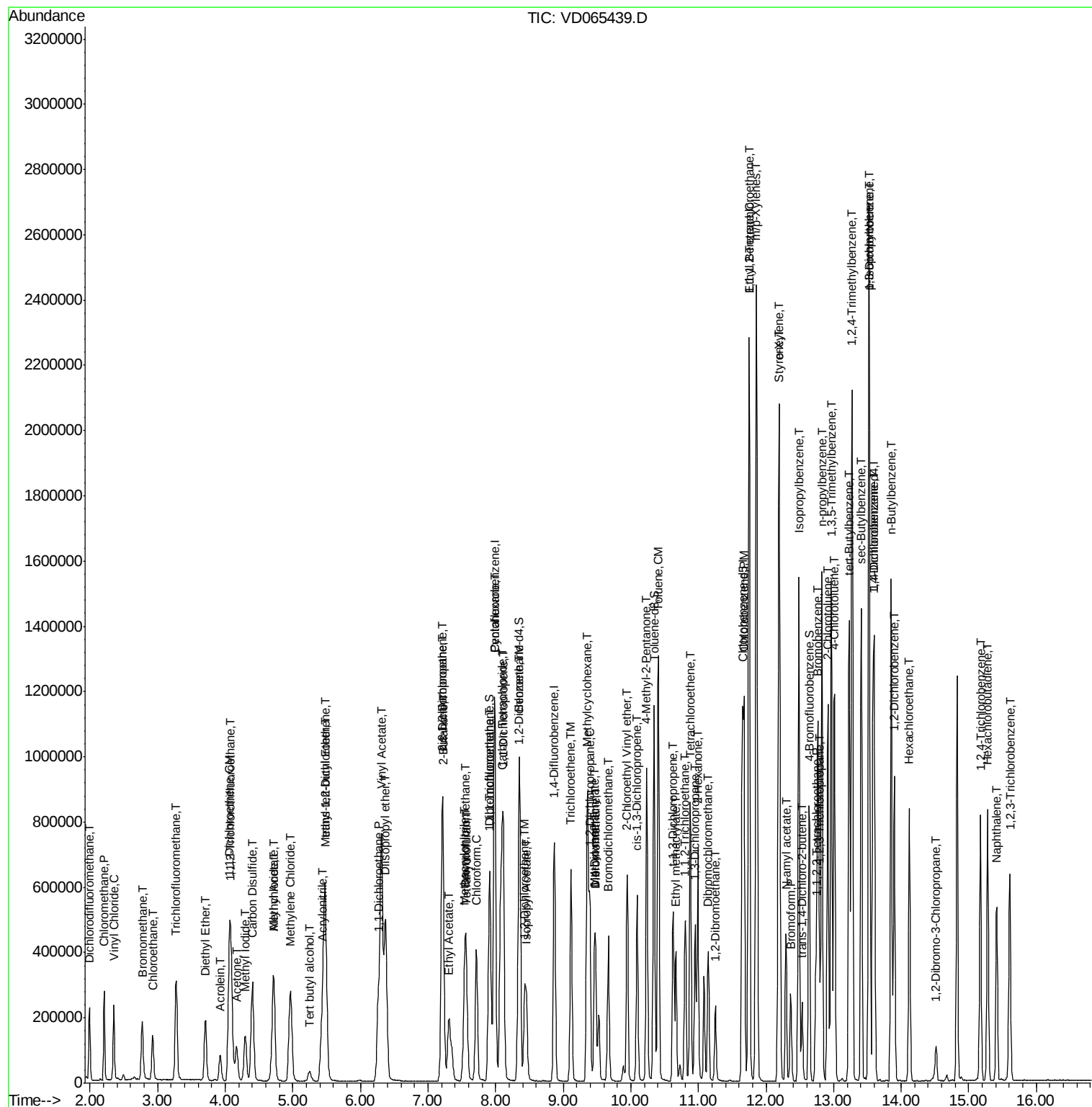
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030520\
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Acq On : 05 Mar 2020 18:59
Operator : VA/SY
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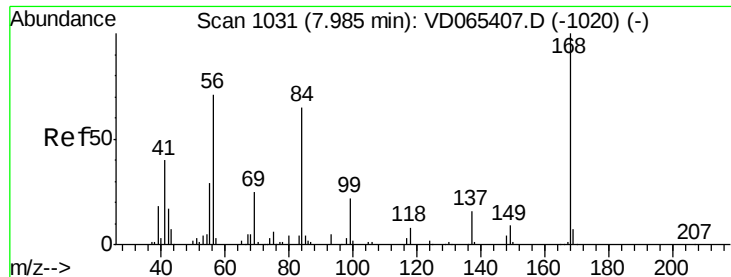
Instrument :
MSVOA_D
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 448397

Ion Ratio Lower Upper

168 100

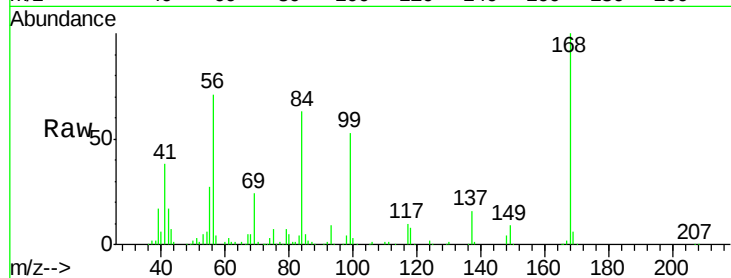
99 52.4 41.5 62.3

Manual Integrations

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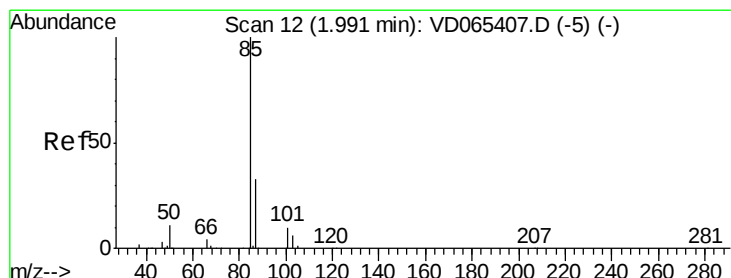
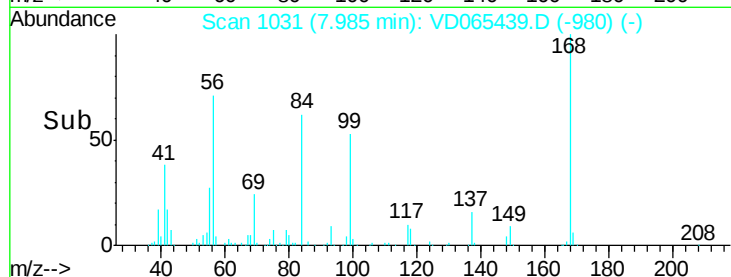
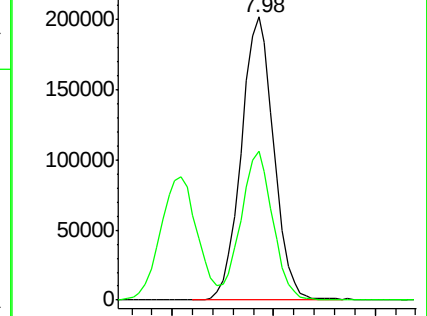
MMDadoda

3/6/2020 11:17:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 43.206 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065439.D

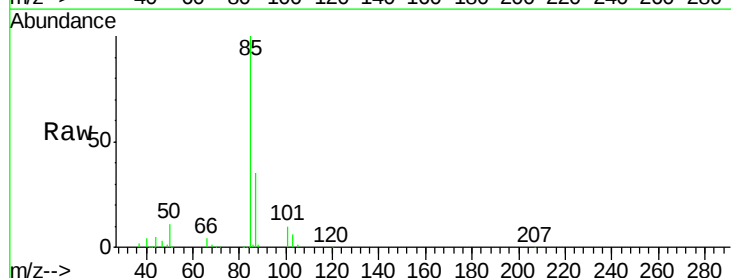
Acq: 05 Mar 2020 18:59

Tgt Ion: 85 Resp: 166500

Ion Ratio Lower Upper

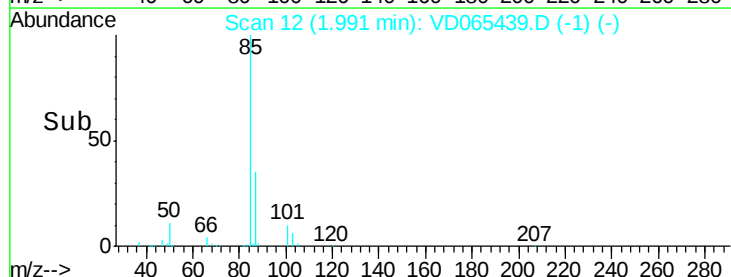
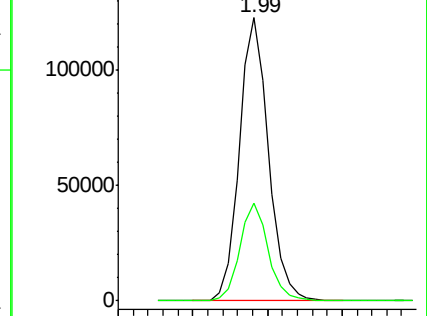
85 100

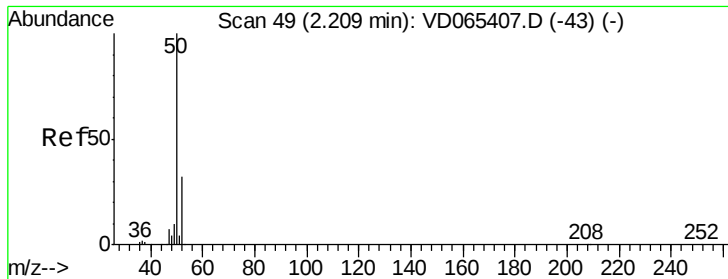
87 34.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.445 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 211437

Ion Ratio Lower Upper

50 100

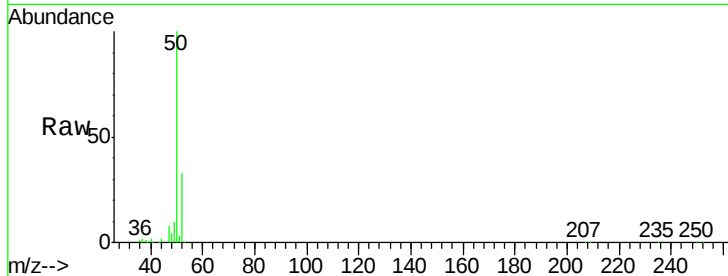
52 32.7 25.8 38.8

Manual Integrations

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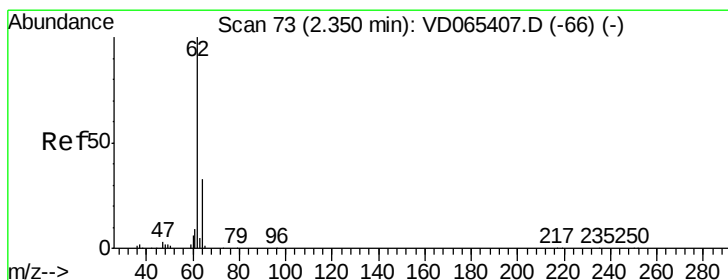
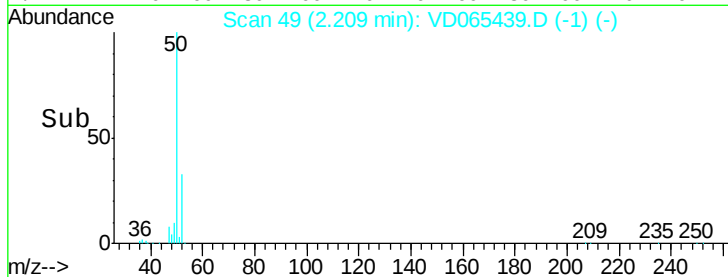
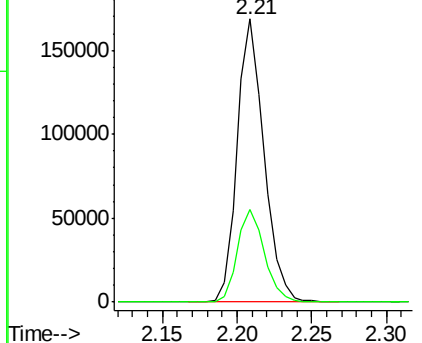
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 46.554 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065439.D

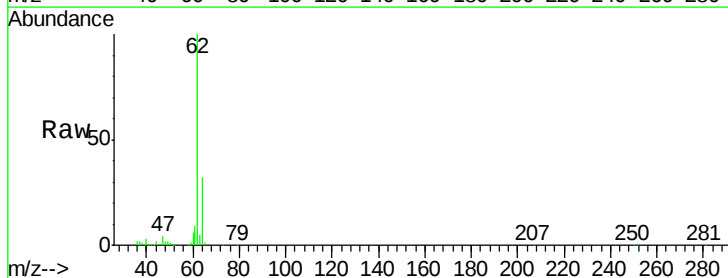
Acq: 05 Mar 2020 18:59

Tgt Ion: 62 Resp: 213638

Ion Ratio Lower Upper

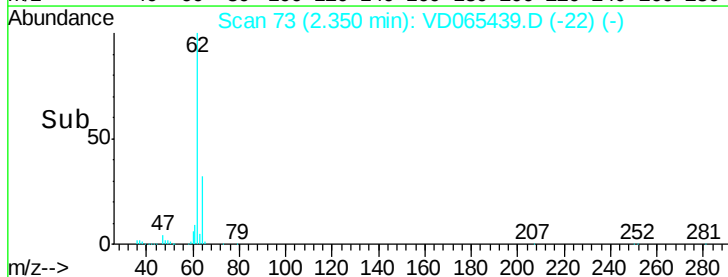
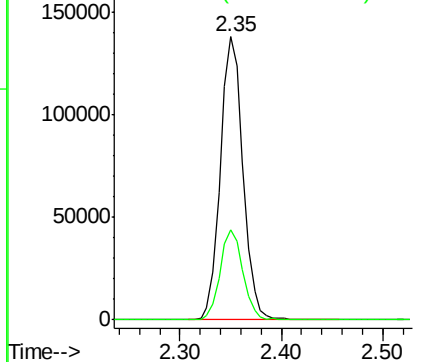
62 100

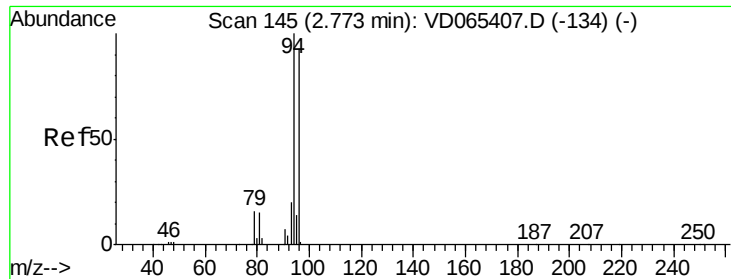
64 31.7 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 54.692 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 139481

Ion Ratio Lower Upper

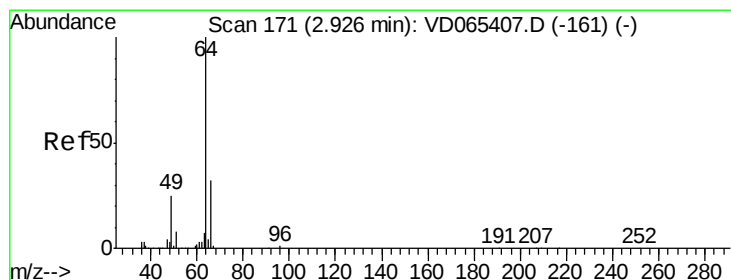
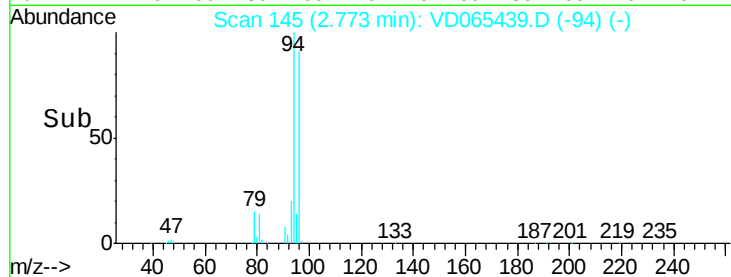
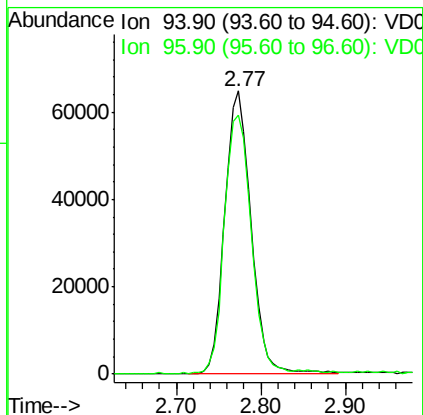
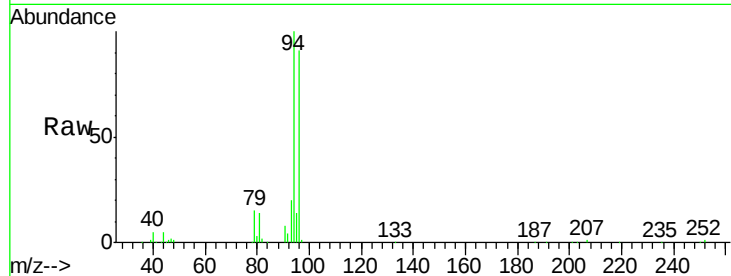
94 100

96 91.3 74.4 111.6

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#6

Chloroethane

Concen: 47.653 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065439.D

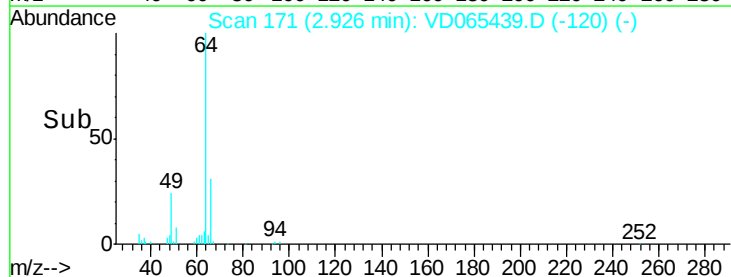
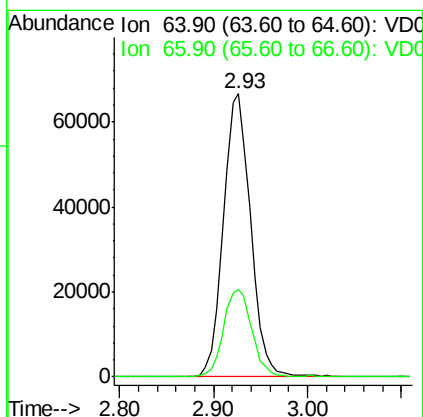
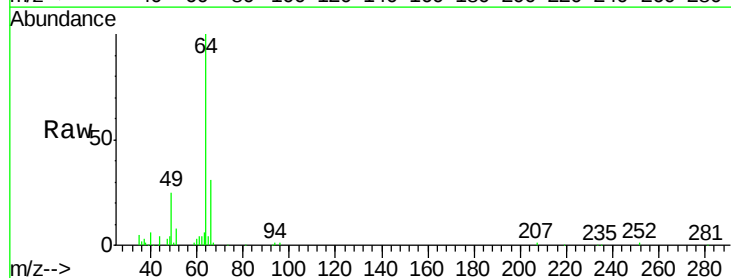
Acq: 05 Mar 2020 18:59

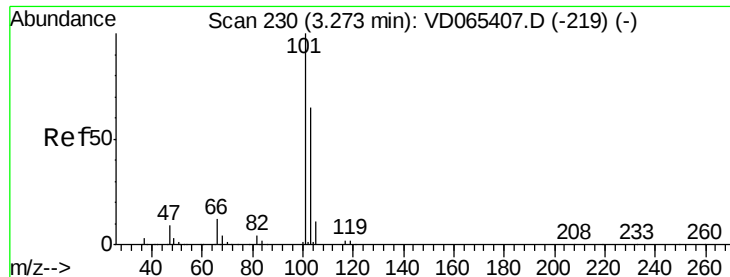
Tgt Ion: 64 Resp: 133933

Ion Ratio Lower Upper

64 100

66 30.9 25.6 38.4





#7

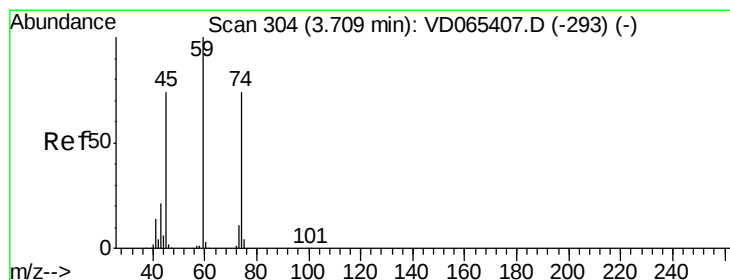
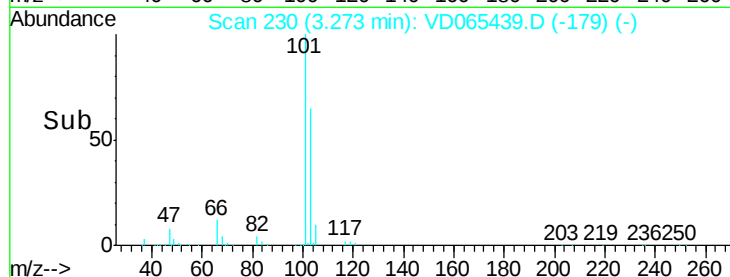
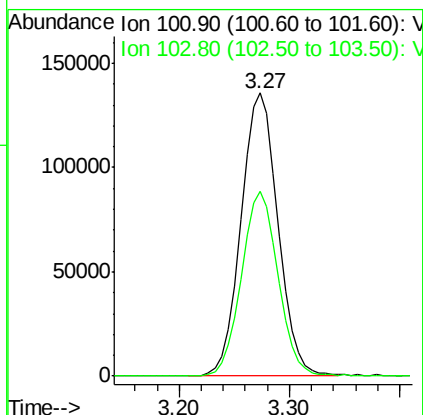
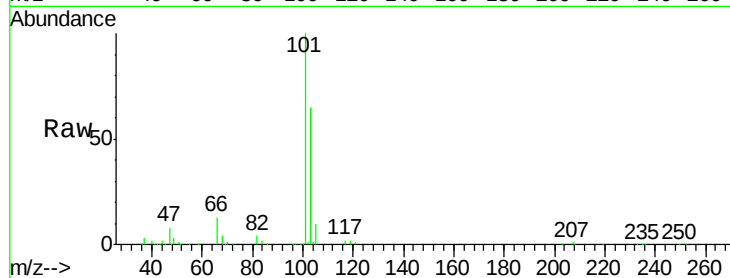
Trichlorofluoromethane
Concen: 47.196 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.1	78.1

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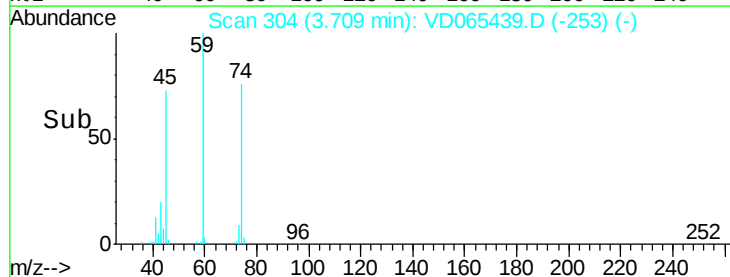
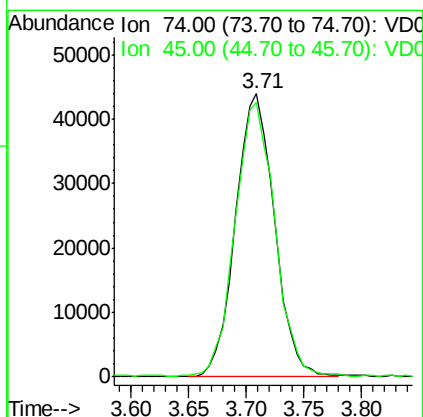
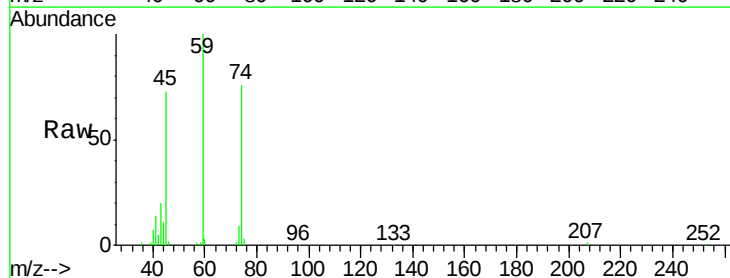
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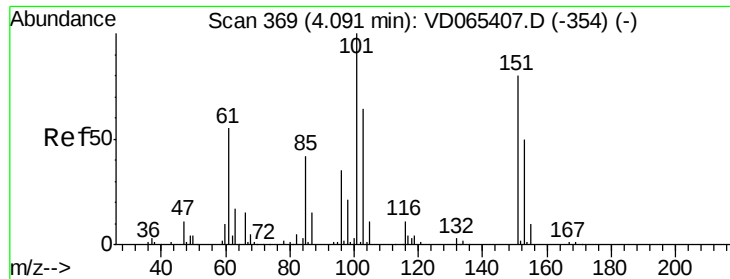


#8

Diethyl Ether
Concen: 51.278 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.9	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.041 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

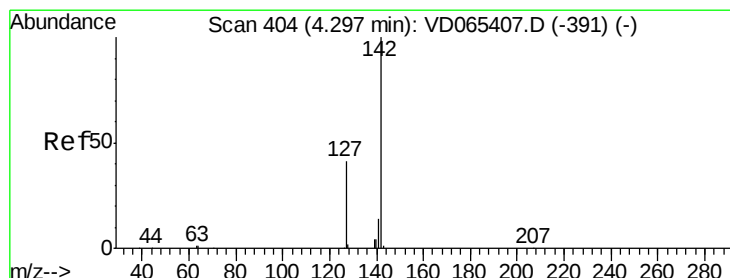
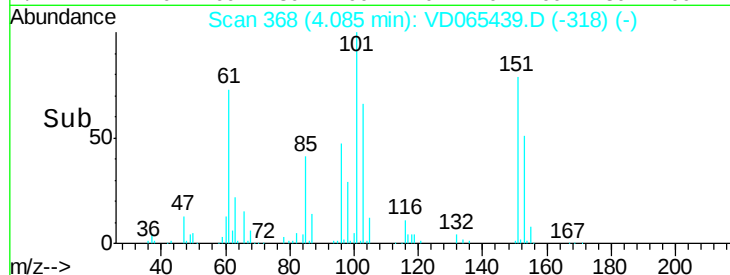
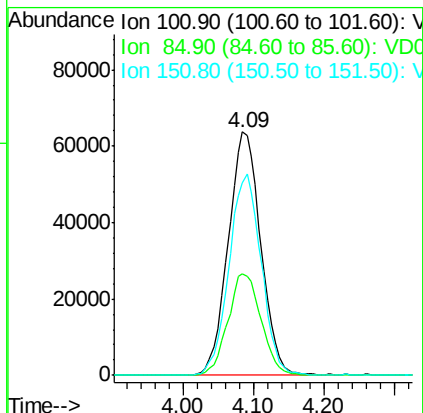
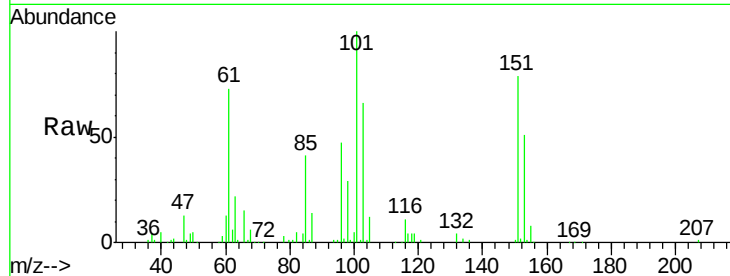
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	204864
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.2
151	81.8	65.1	97.7

Manual Integrations
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3/6/2020 11:17:35 AM



#10

Methyl Iodide

Concen: 51.331 ug/l

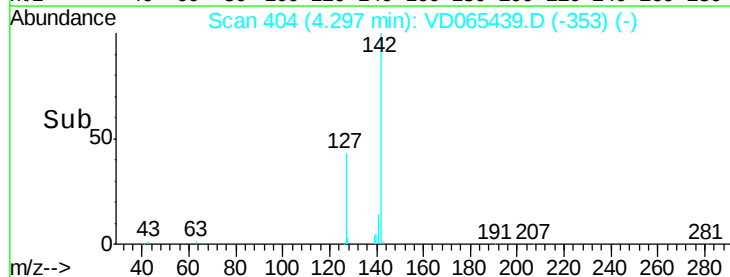
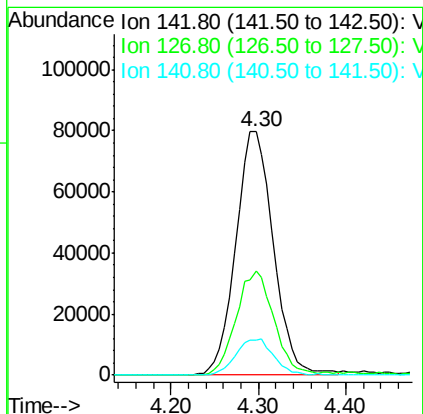
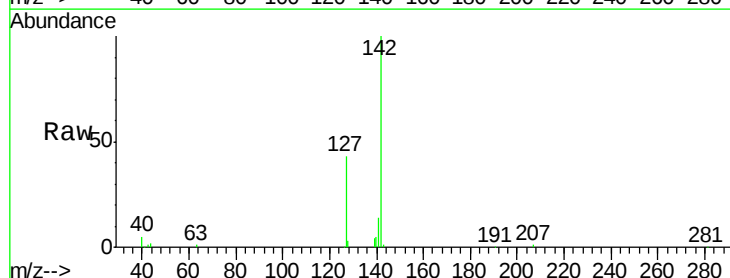
RT: 4.30 min Scan# 404

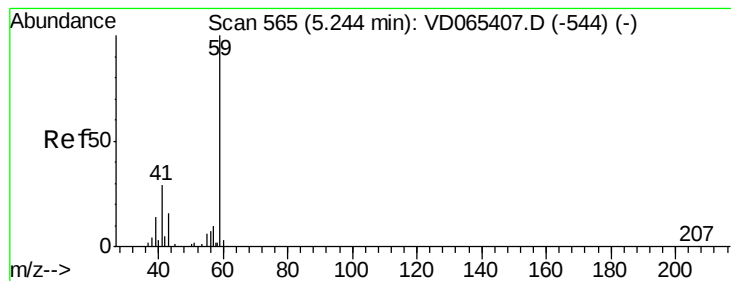
Delta R.T. 0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Tgt Ion:	142	Resp:	232244
Ion Ratio	Lower	Upper	
142	100		
127	42.6	35.0	52.6
141	15.1	12.4	18.6





#11

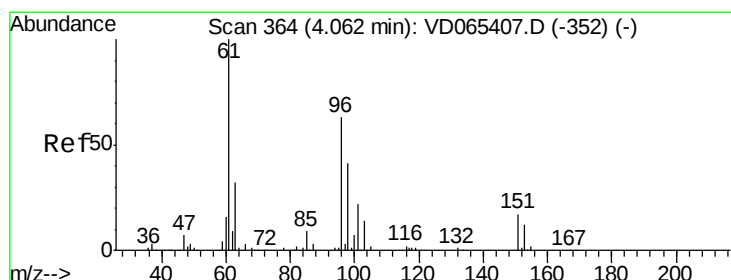
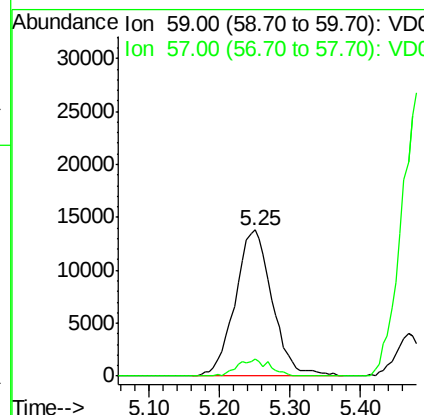
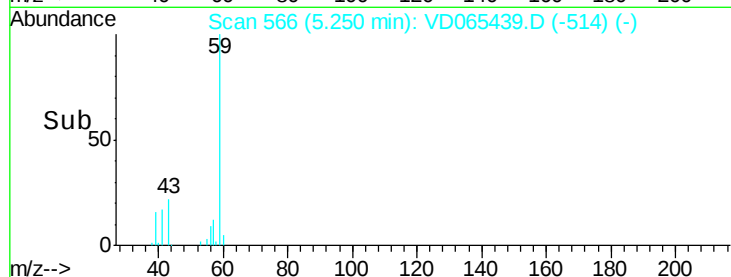
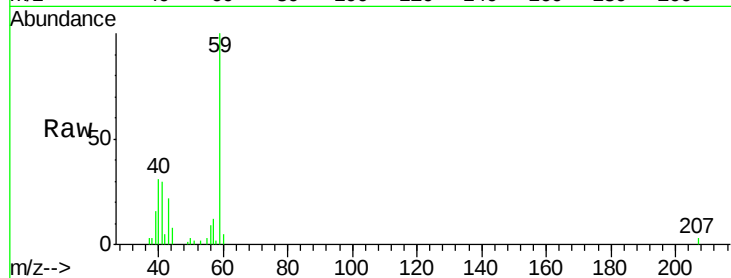
Tert butyl alcohol
Concen: 228.161 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	50338
Ion Ratio	100	Lower	Upper
59	100	6.9	10.3
57	10.0		

Manual Integrations
APPROVED

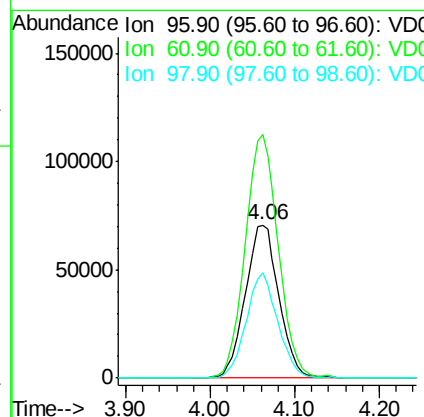
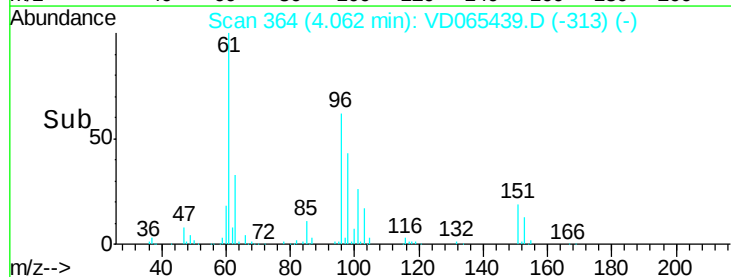
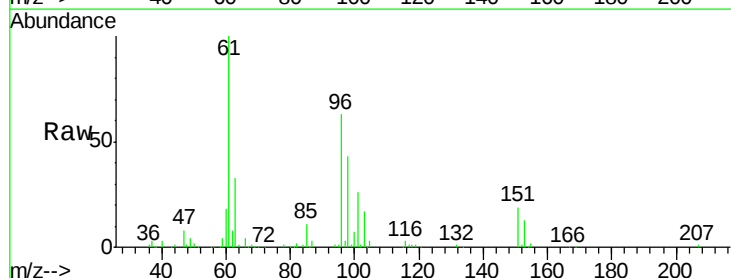
MMDadoda
3/6/2020 11:17:35 AM

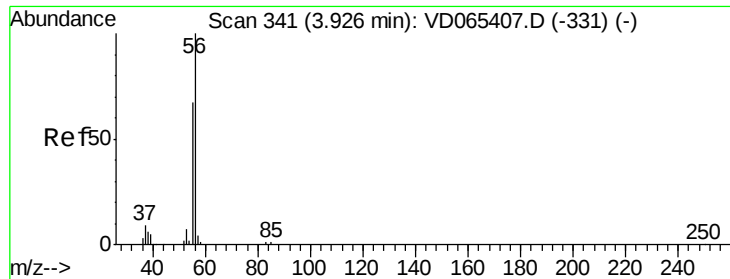


#12

1,1-Dichloroethene
Concen: 46.678 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	96	Resp	194653
Ion Ratio	100	Lower	Upper
96	100	128.0	192.0
61	159.4	51.9	77.9
98	68.8		





#13

Acrolein

Concen: 243.465 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 92637

Ion Ratio Lower Upper

56 100

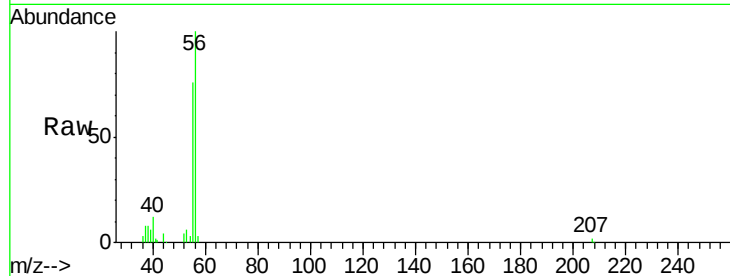
55 71.7 56.6 85.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

40000

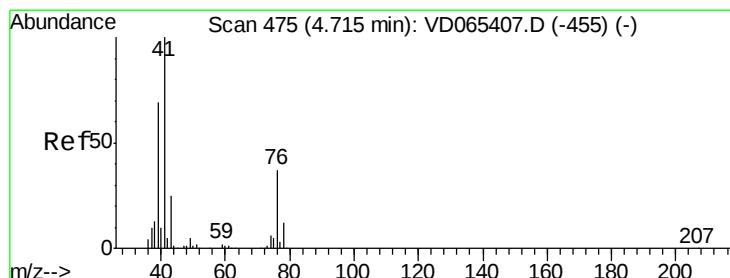
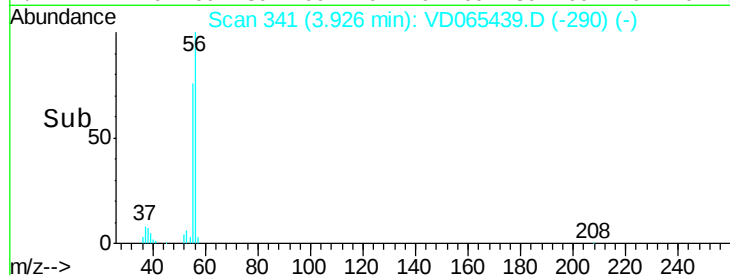
30000

20000

10000

0

Time-->



#14

Allyl chloride

Concen: 49.300 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

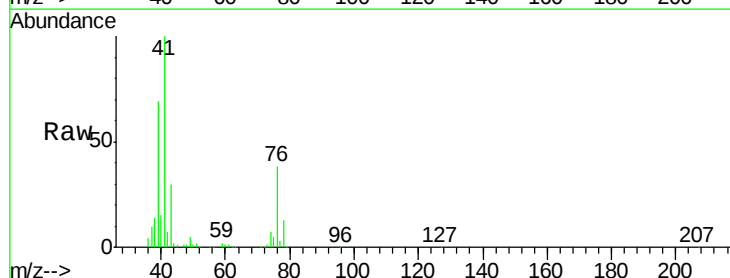
Tgt Ion: 41 Resp: 315820

Ion Ratio Lower Upper

41 100

39 66.1 52.6 79.0

76 37.3 29.2 43.8



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

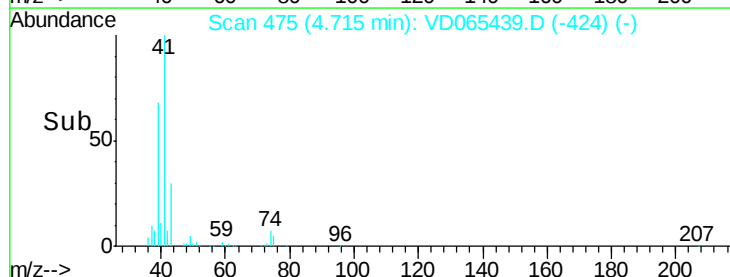
4.71

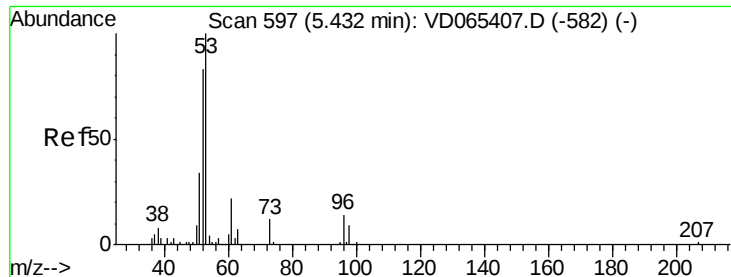
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 267.226 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

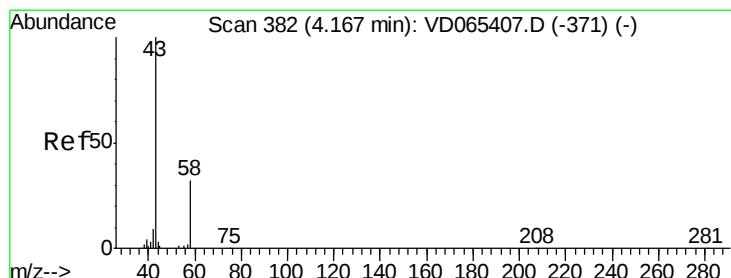
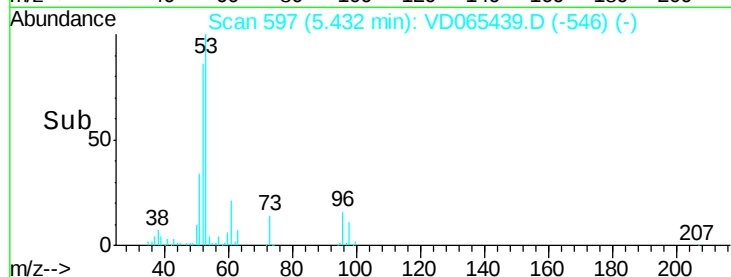
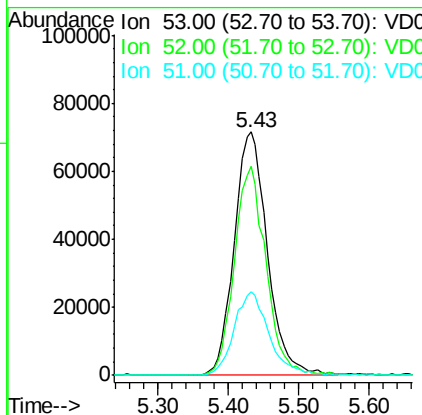
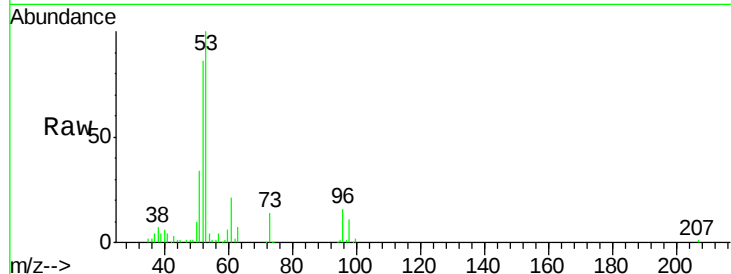
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	233773
Ion Ratio	Lower	Upper	
53	100		
52	81.5	65.1	97.7
51	36.0	28.5	42.7

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 232.296 ug/l

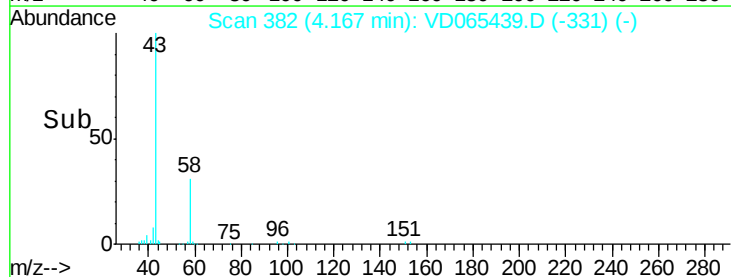
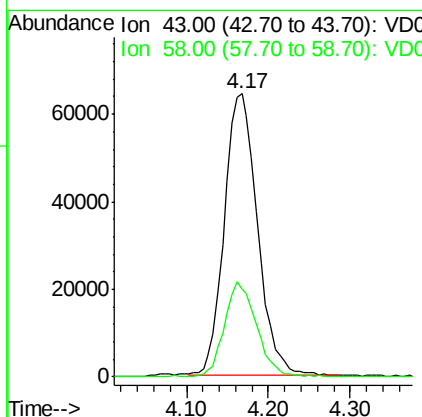
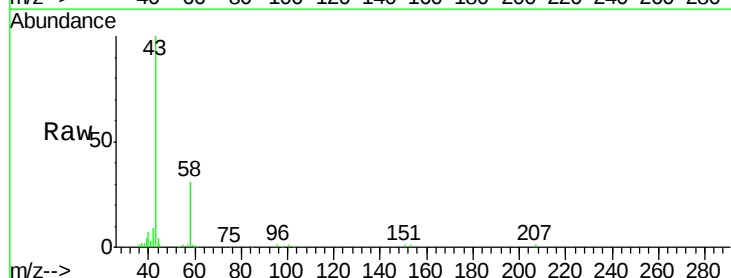
RT: 4.17 min Scan# 382

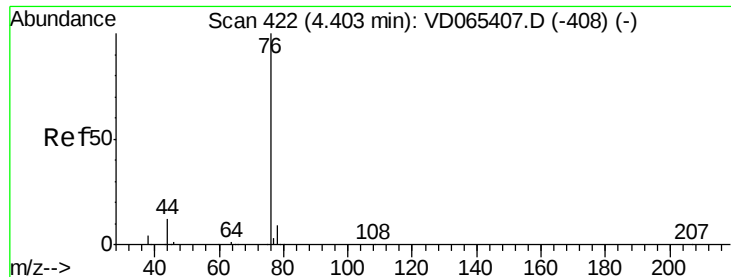
Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Tgt Ion:	43	Resp:	180700
Ion Ratio	Lower	Upper	
43	100		
58	31.2	25.1	37.7





#17

Carbon Disulfide

Concen: 46.795 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 649859

Ion Ratio Lower Upper

76 100

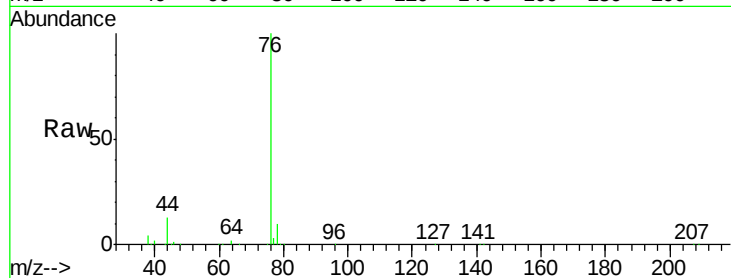
78 9.9 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

3/6/2020 11:17:35 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

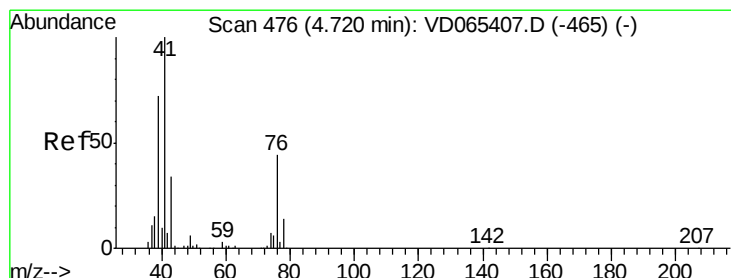
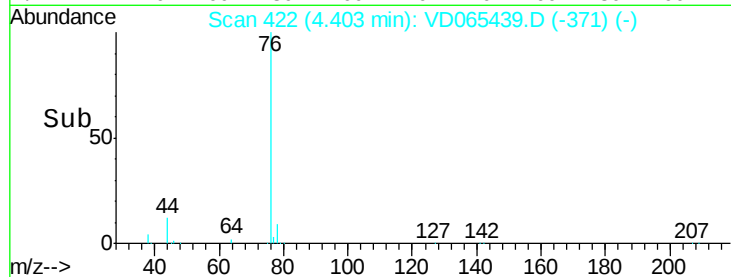
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 51.479 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD065439.D

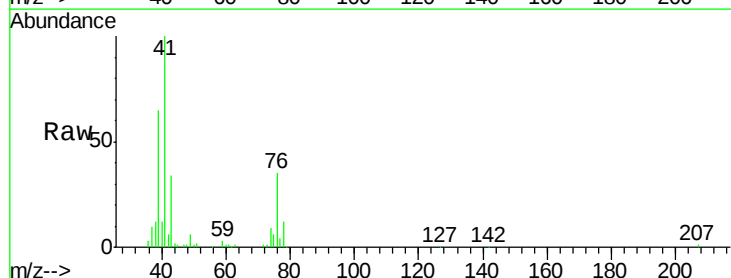
Acq: 05 Mar 2020 18:59

Tgt Ion: 43 Resp: 101580

Ion Ratio Lower Upper

43 100

74 25.0 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

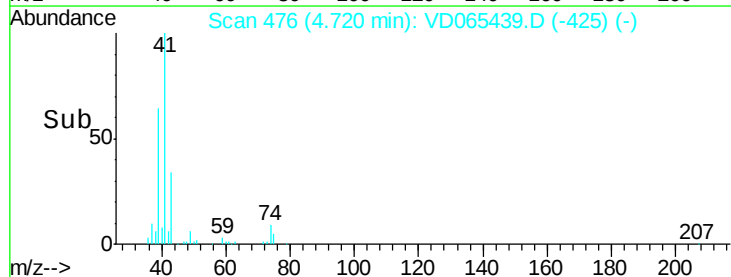
30000

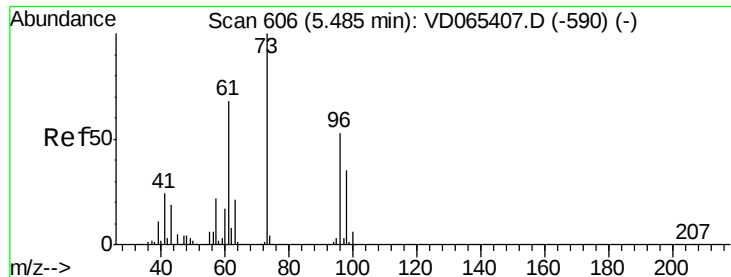
20000

10000

0

Time-->





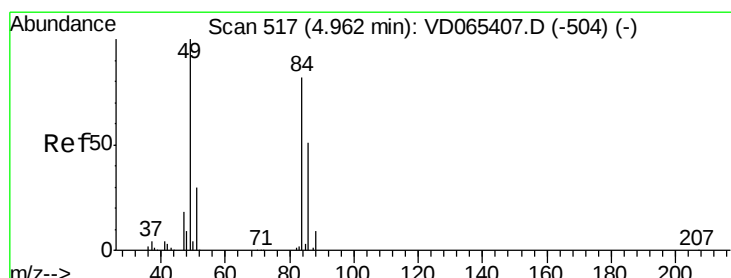
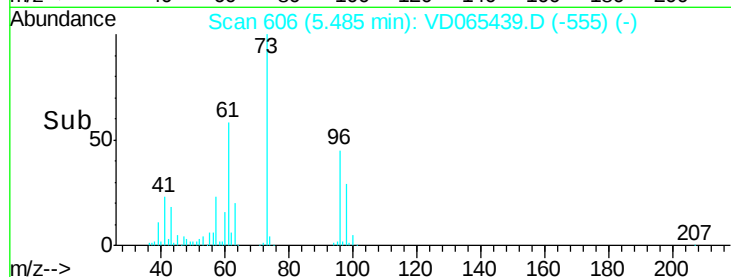
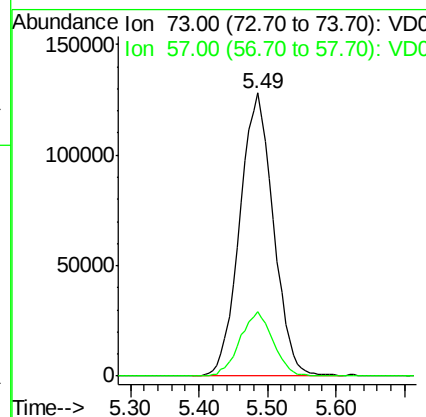
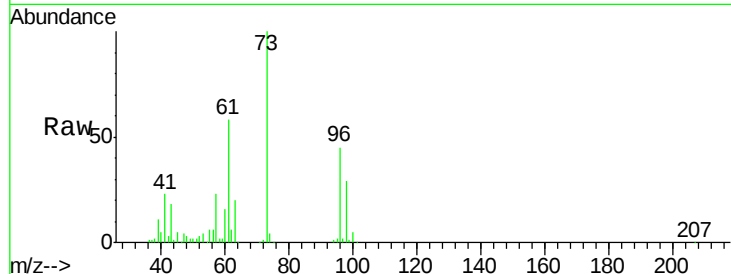
#19
Methyl tert-butyl Ether
Concen: 54.620 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 73 Resp: 438024
Ion Ratio Lower Upper
73 100
57 22.8 17.3 25.9

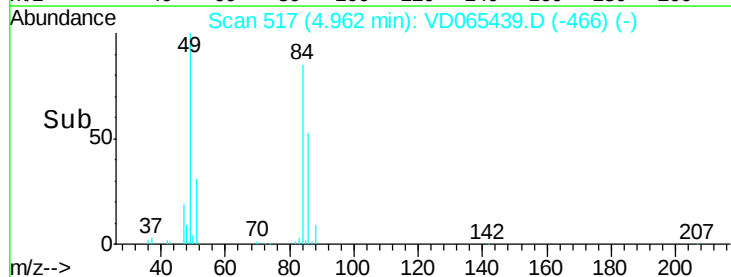
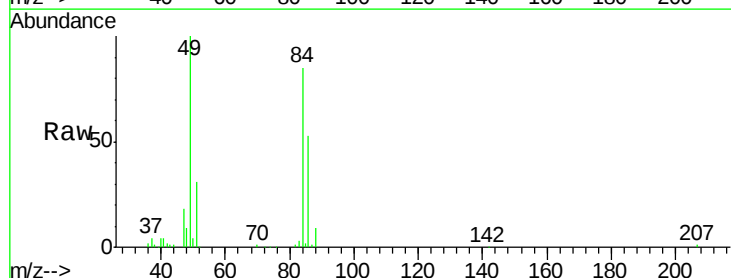
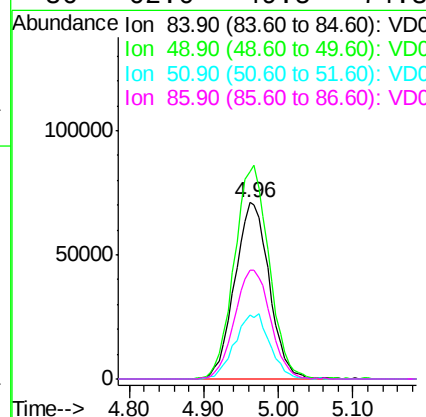
Manual Integrations
APPROVED

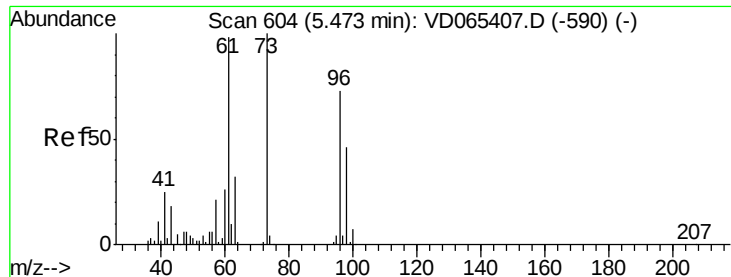
MMDadoda
3/6/2020 11:17:35 AM



#20
Methylene Chloride
Concen: 54.351 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion: 84 Resp: 228328
Ion Ratio Lower Upper
84 100
49 117.5 97.7 146.5
51 36.4 28.8 43.2
86 62.0 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 49.757 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

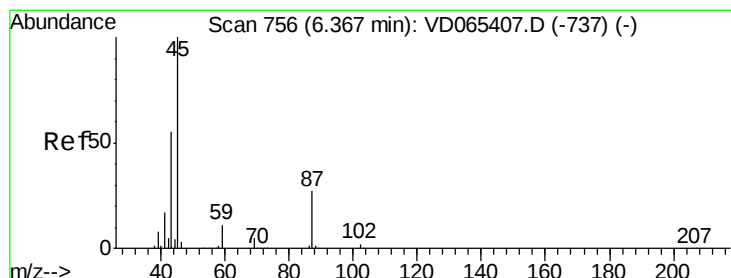
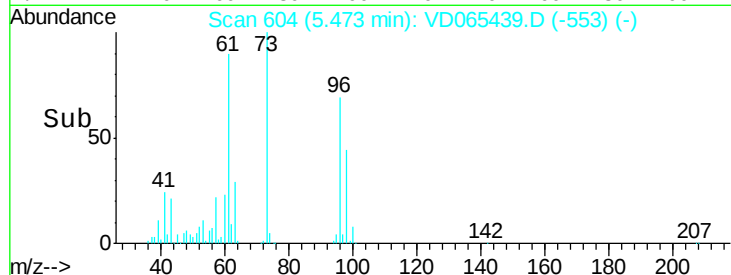
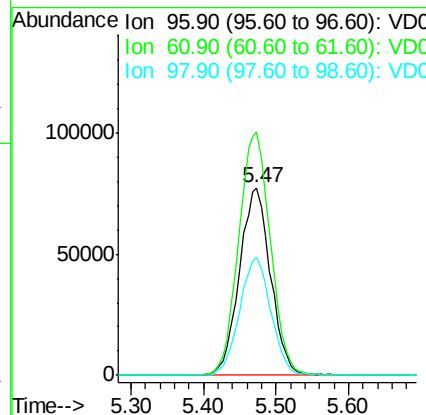
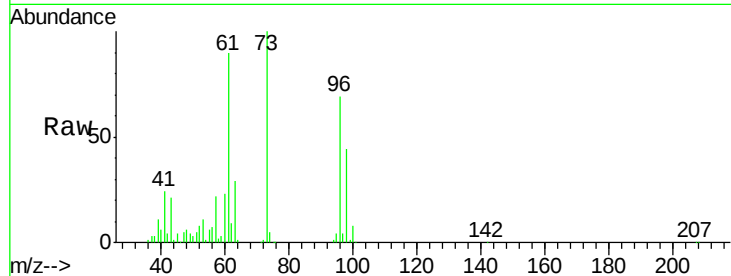
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	230820
Ion	Ratio	Lower	Upper
96	100		
61	129.8	106.3	159.5
98	63.1	50.2	75.4

Manual Integrations
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MMDadoda
3/6/2020 11:17:35 AM



#22

Diisopropyl ether

Concen: 54.992 ug/l

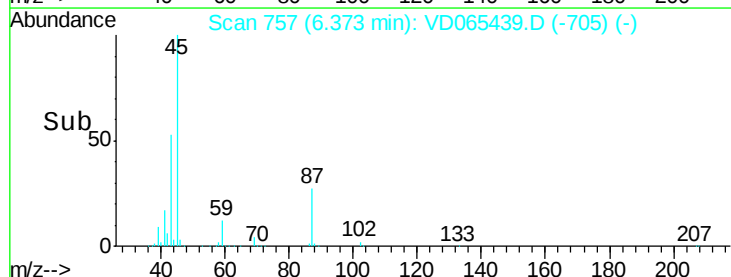
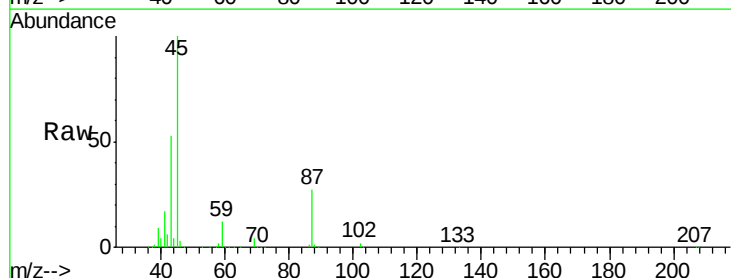
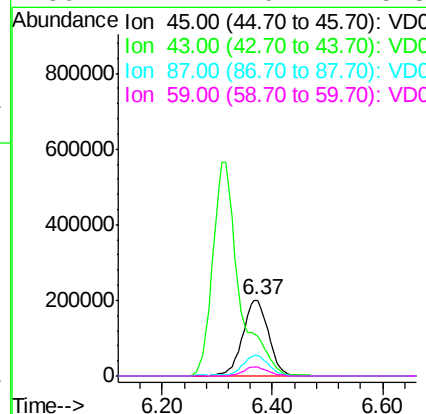
RT: 6.37 min Scan# 757

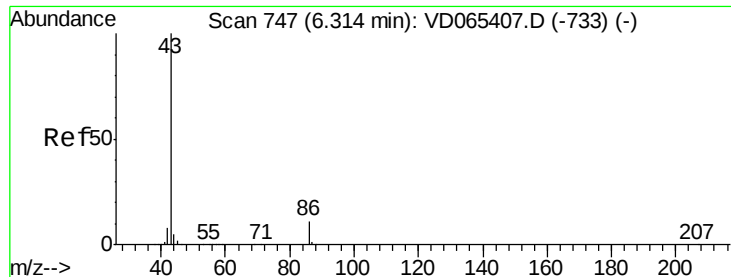
Delta R.T. 0.01 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Tgt Ion:	45	Resp:	654879
Ion	Ratio	Lower	Upper
45	100		
43	52.5	44.4	66.6
87	26.6	21.9	32.9
59	12.2	9.2	13.8





#23

Vinyl Acetate

Concen: 282.580 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1868476

Ion Ratio Lower Upper

43 100

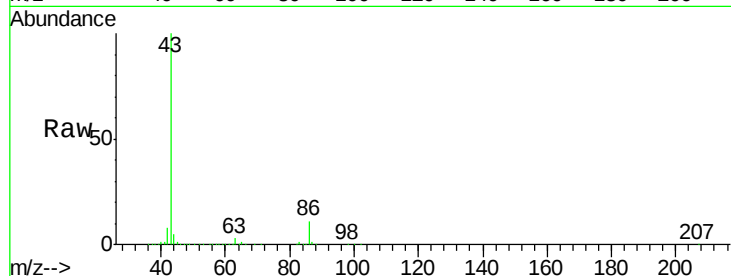
86 10.7 8.9 13.3

Manual Integrations

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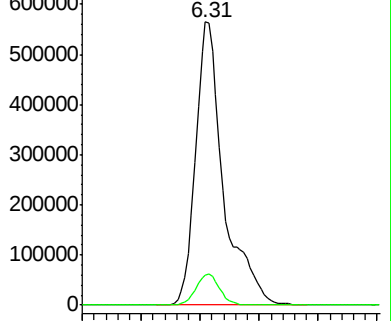
MMDadoda

3/6/2020 11:17:35 AM

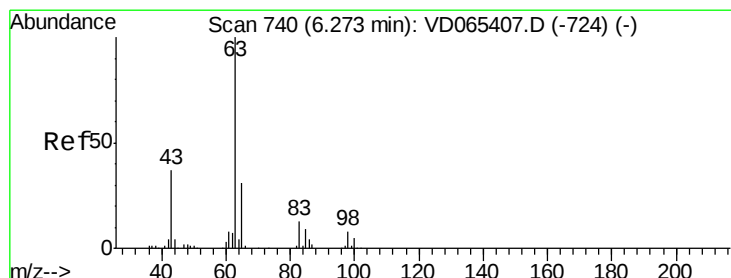
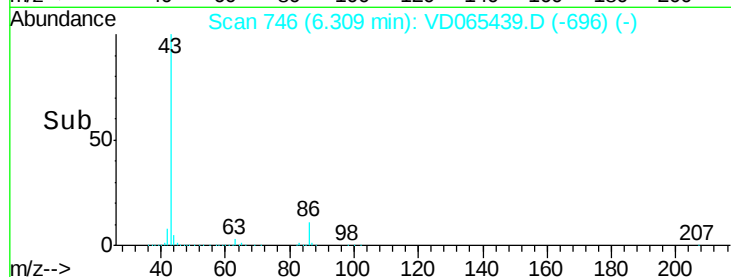


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.600 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

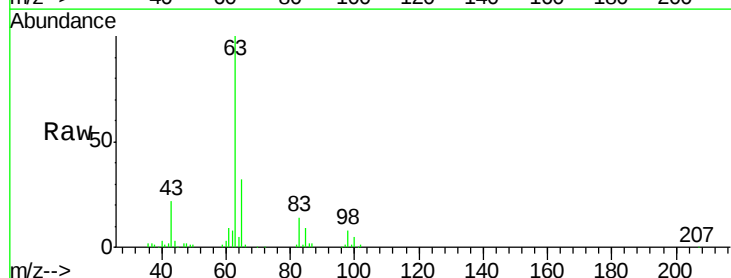
Tgt Ion: 63 Resp: 386497

Ion Ratio Lower Upper

63 100

98 7.7 4.2 12.6

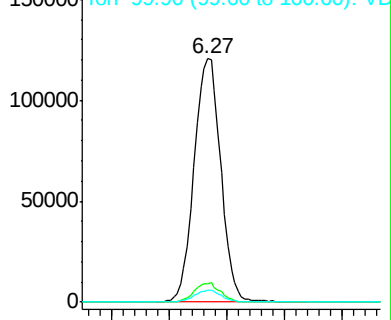
100 4.7 2.4 7.2



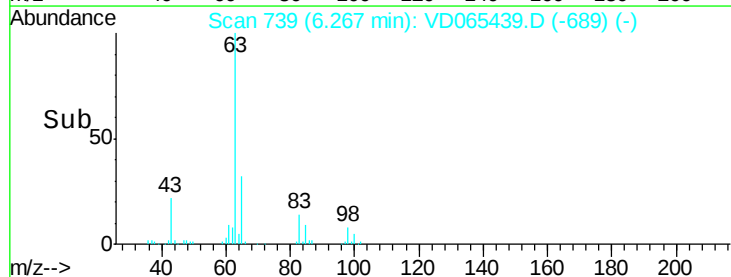
Abundance Ion 62.90 (62.60 to 63.60): VDC

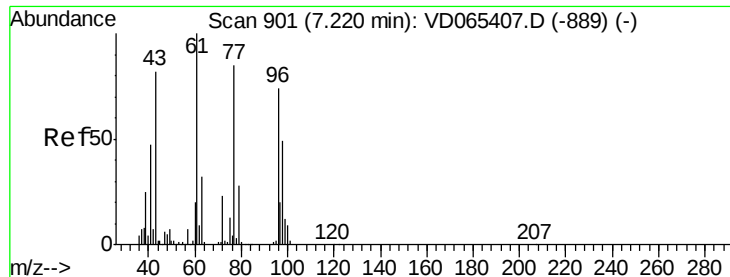
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time--> 6.10 6.20 6.30 6.40 6.50





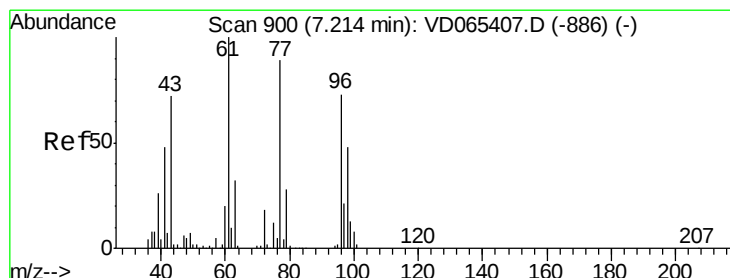
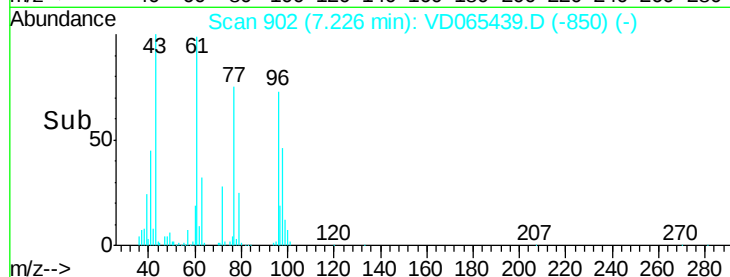
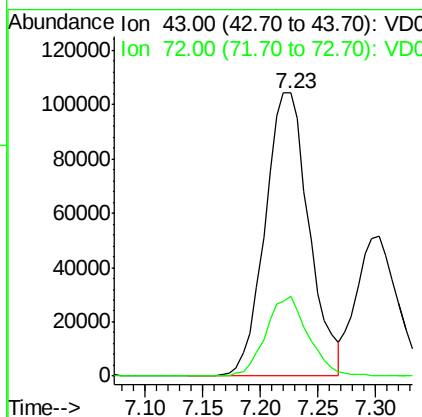
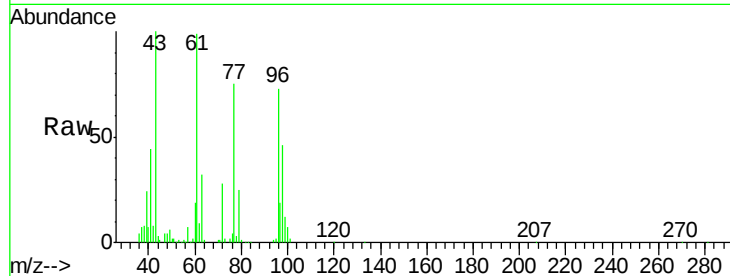
#25
2-Butanone
Concen: 259.840 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 275832
Ion Ratio Lower Upper
43 100
72 28.4 22.3 33.5

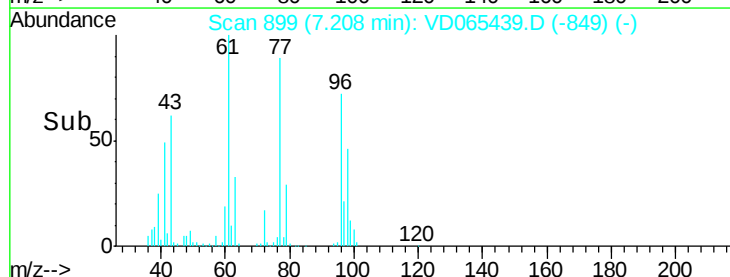
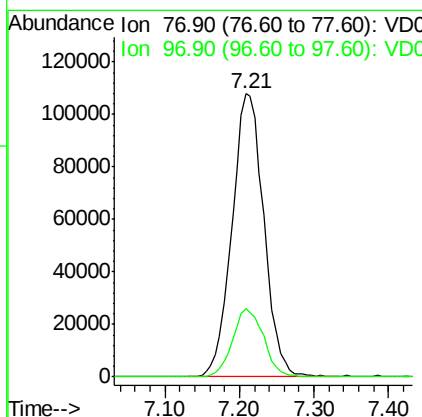
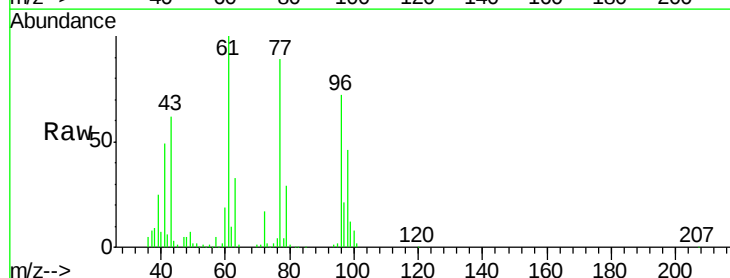
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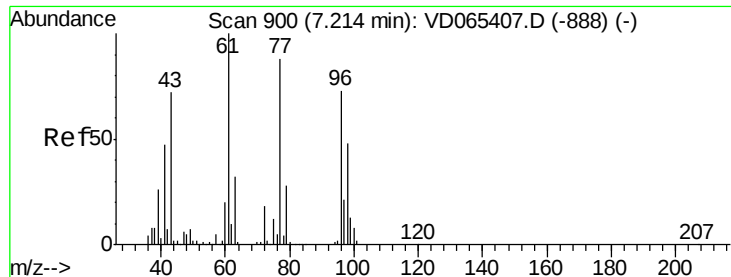
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#26
2,2-Dichloropropane
Concen: 47.840 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion: 77 Resp: 319334
Ion Ratio Lower Upper
77 100
97 23.6 11.8 35.4





#27

cis-1,2-Dichloroethene

Concen: 51.569 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

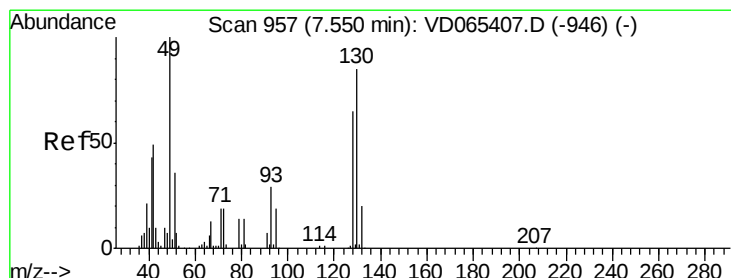
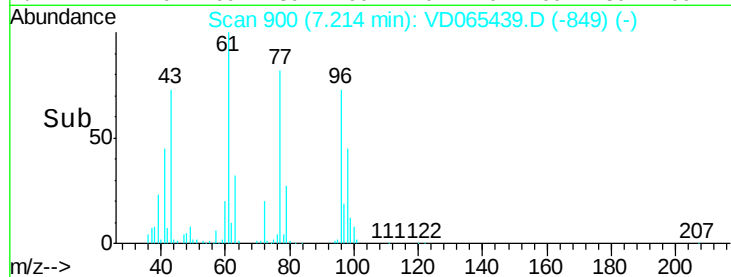
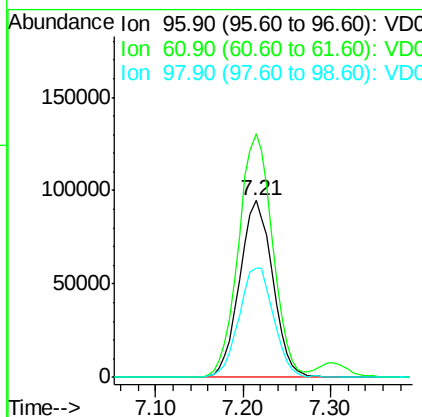
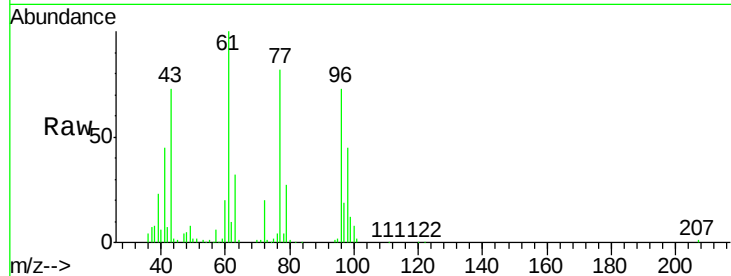
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	244522
Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	280.4
98	64.4	0.0	132.6

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#28

Bromochloromethane

Concen: 54.338 ug/l

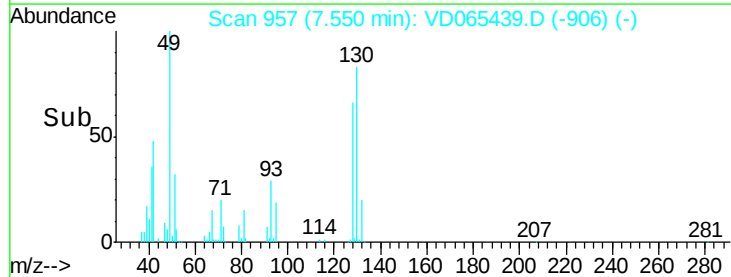
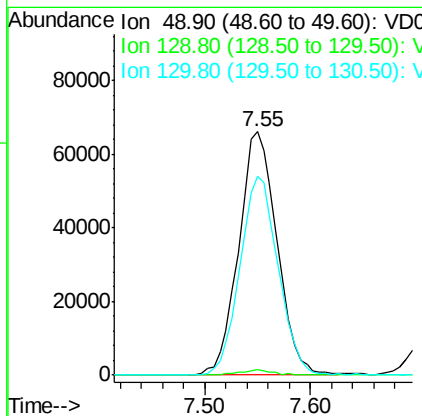
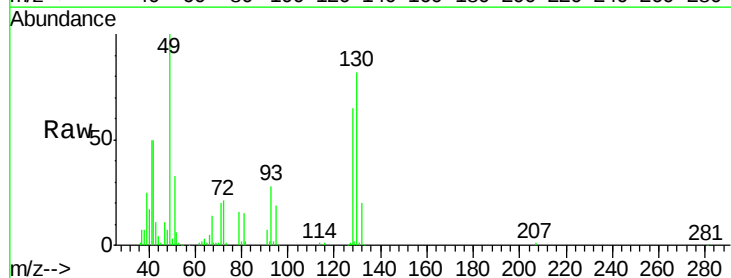
RT: 7.55 min Scan# 957

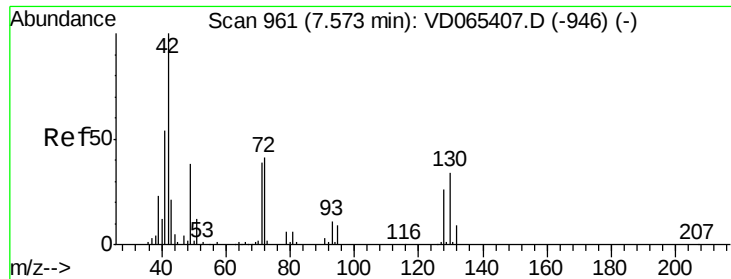
Delta R.T. 0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Tgt Ion:	49	Resp:	166057
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	81.7	66.6	100.0





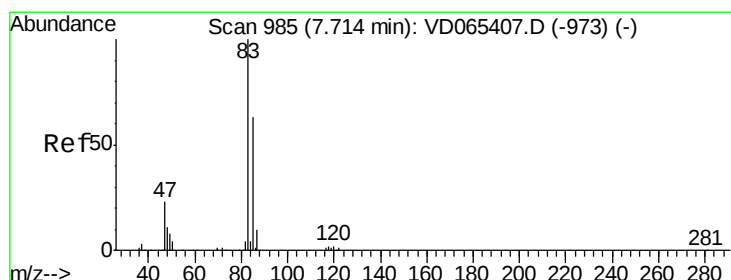
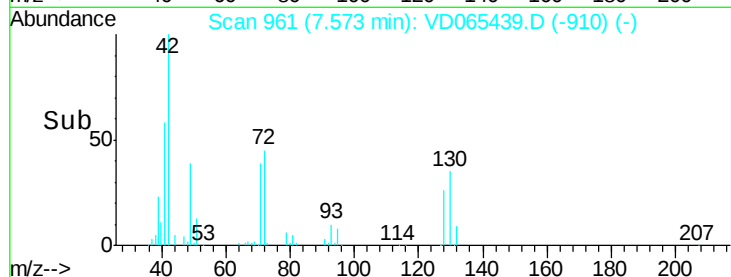
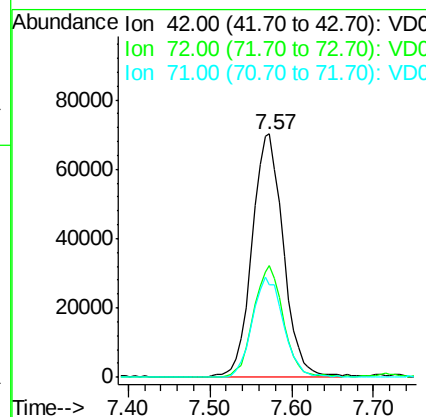
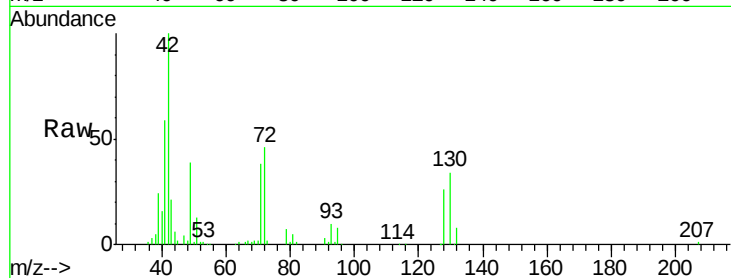
#29
Tetrahydrofuran
Concen: 276.513 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.0	49.6
71	40.8	32.0	48.0

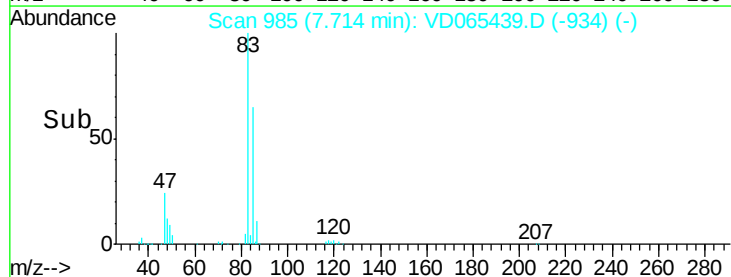
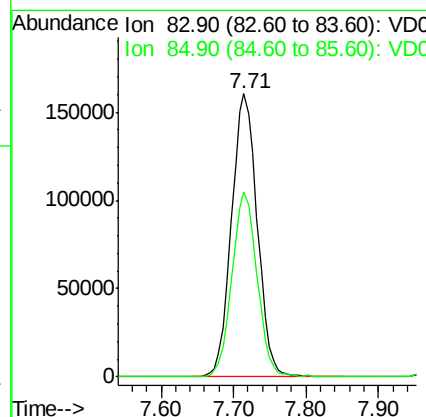
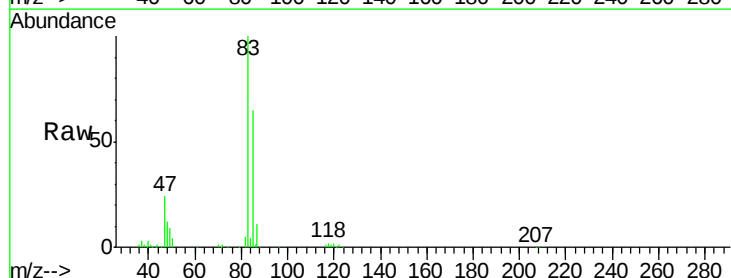
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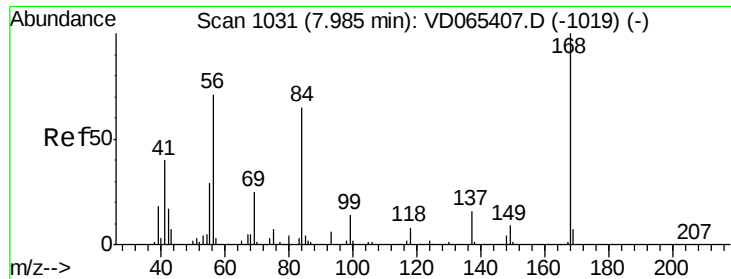
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#30
Chloroform
Concen: 51.919 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.3	75.5





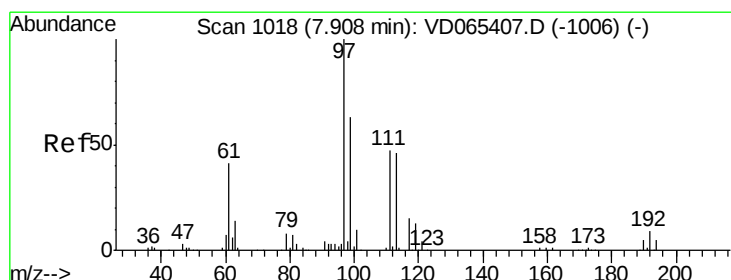
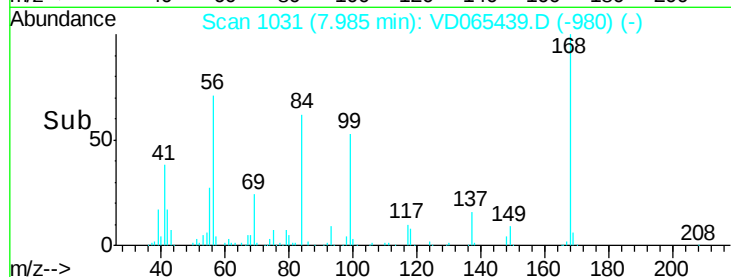
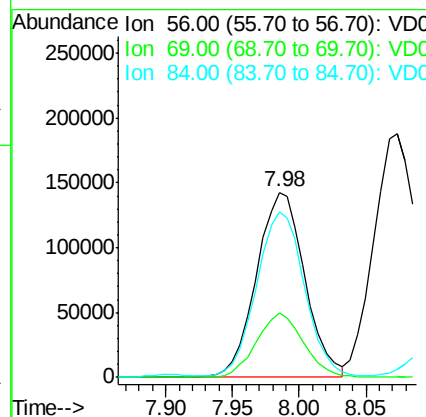
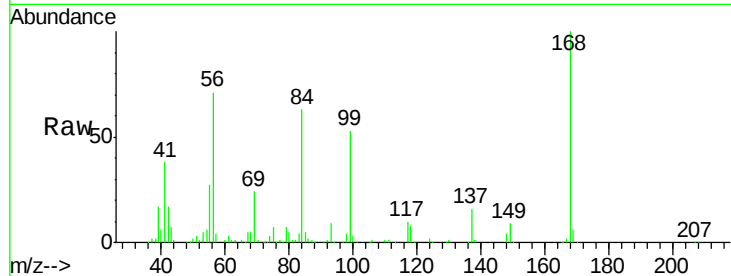
#31
Cyclohexane
Concen: 46.820 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.6	28.3	42.5
84	88.5	73.1	109.7

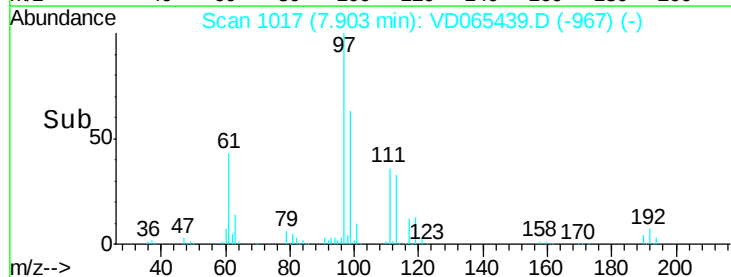
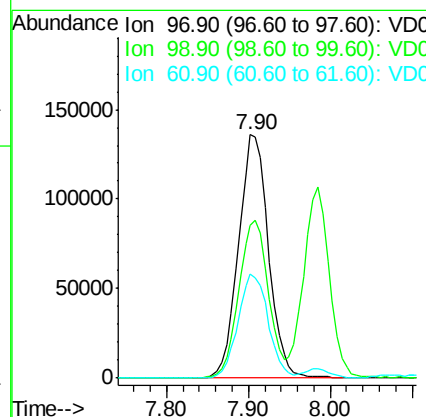
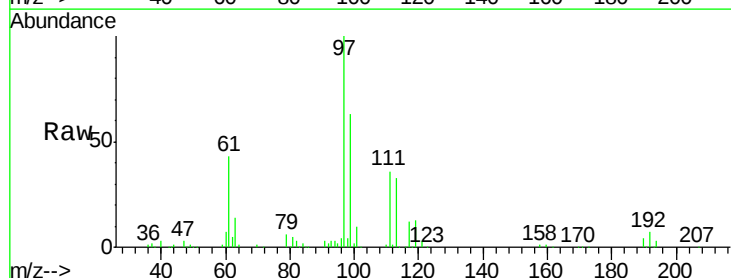
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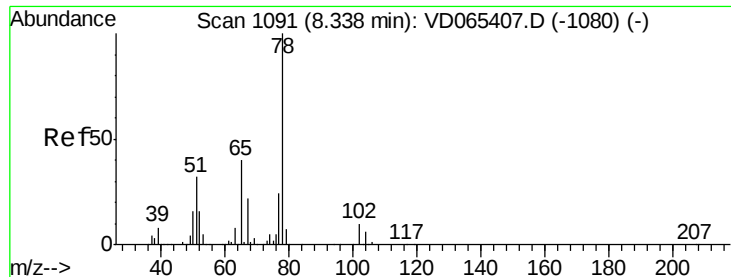
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#32
1,1,1-Trichloroethane
Concen: 49.181 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	50.9	76.3
61	43.1	33.2	49.8





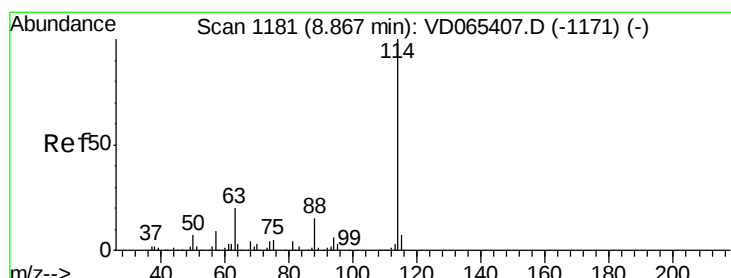
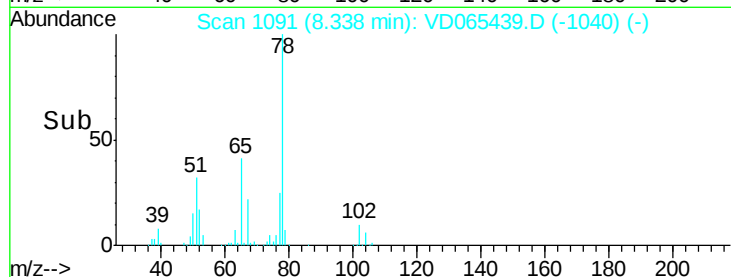
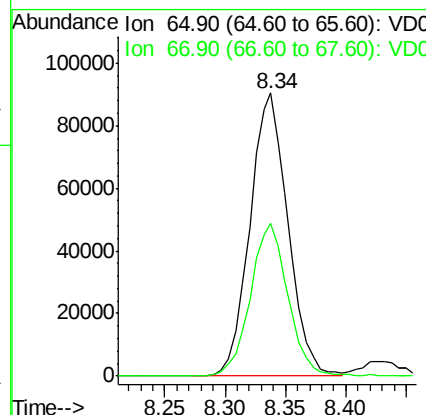
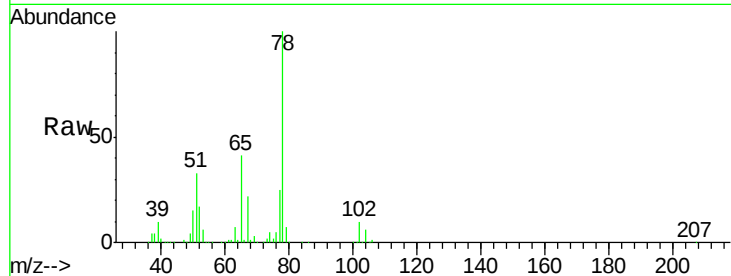
#33
 1,2-Dichloroethane-d4
 Concen: 51.496 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	198072		
67	53.1	0.0	108.0	

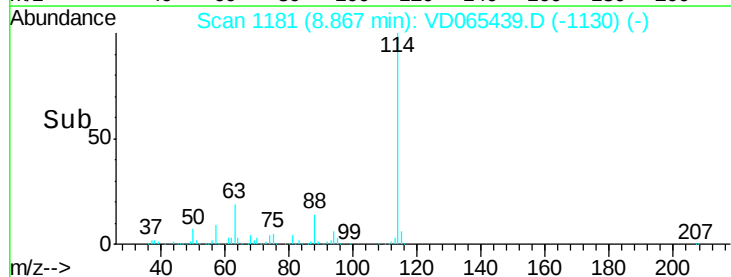
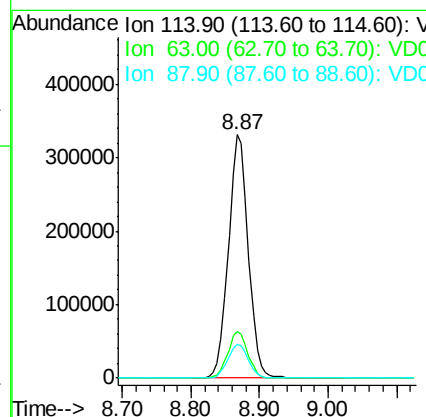
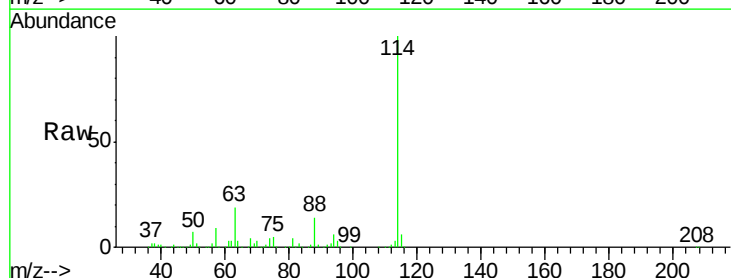
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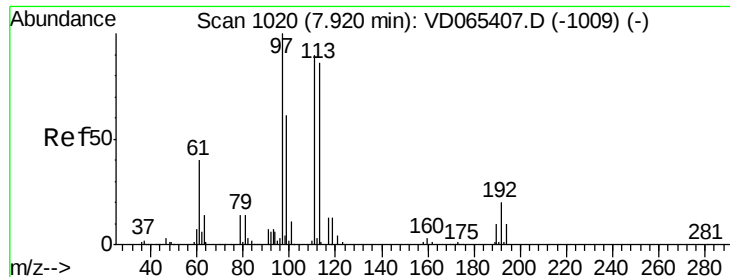
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	666165		
63	19.0	0.0	39.6	
88	13.9	0.0	30.4	





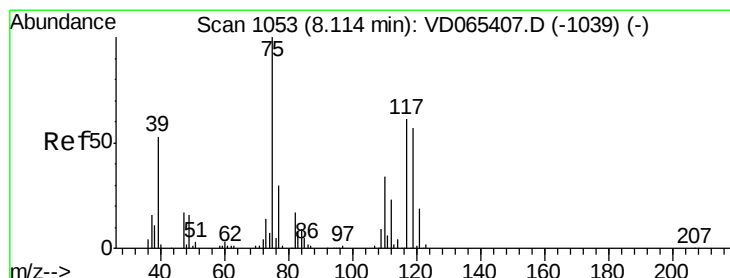
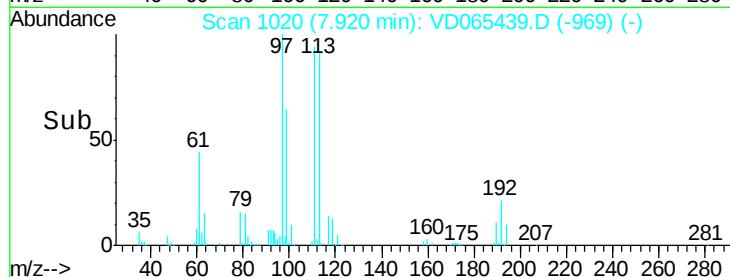
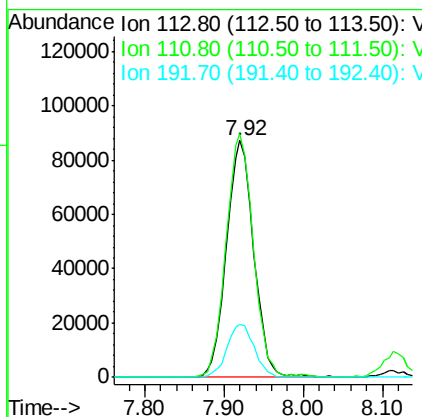
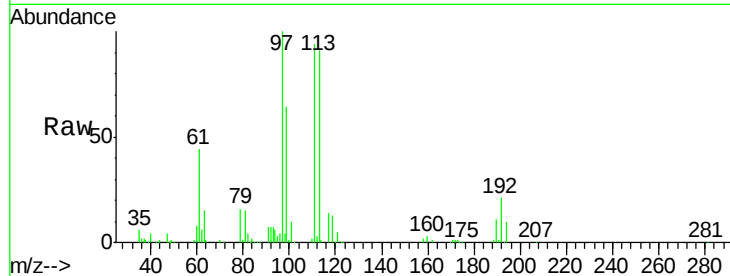
#35
Dibromofluoromethane
Concen: 50.310 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.1	123.1
192	22.5	17.2	25.8

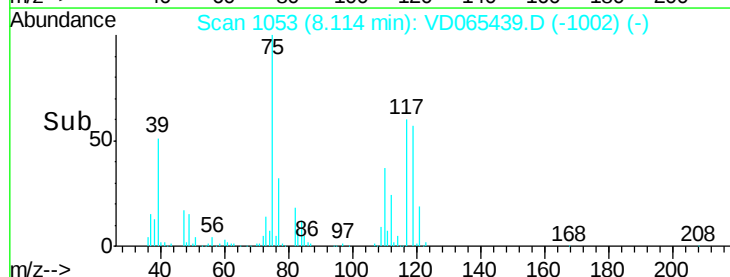
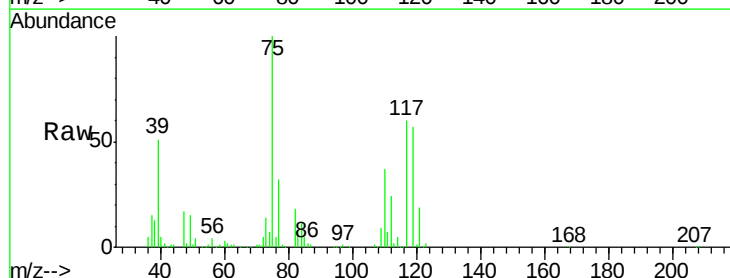
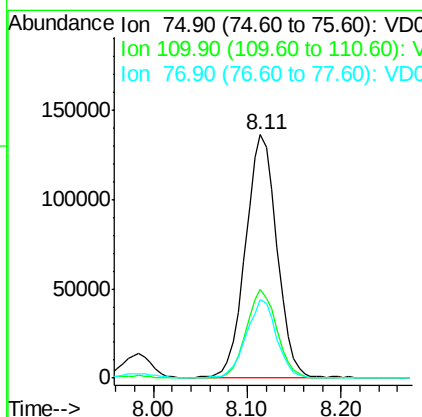
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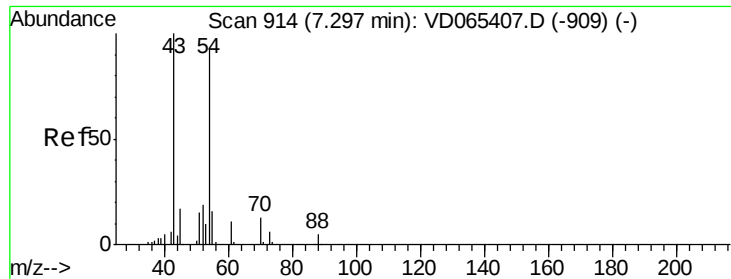
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#36
1,1-Dichloropropene
Concen: 49.472 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.6	18.1	54.1
77	31.4	25.2	37.8





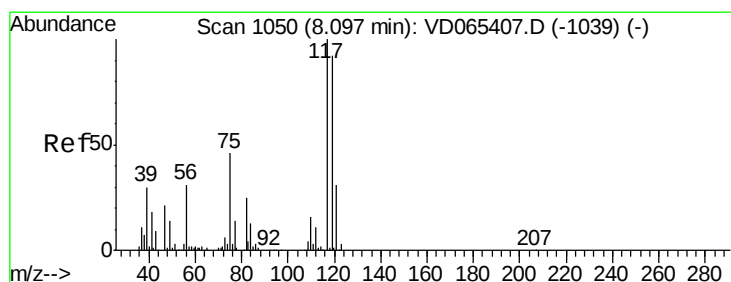
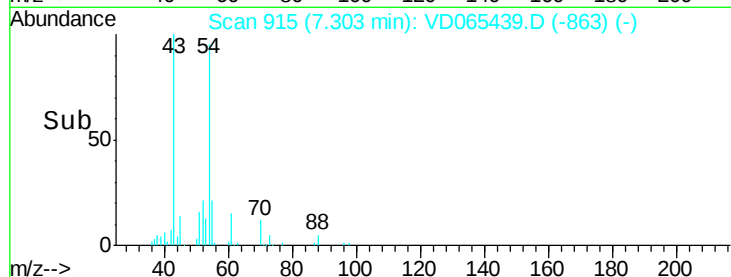
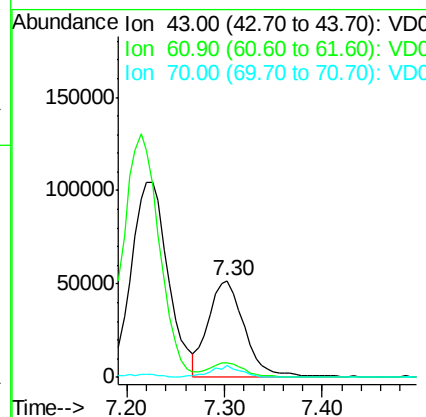
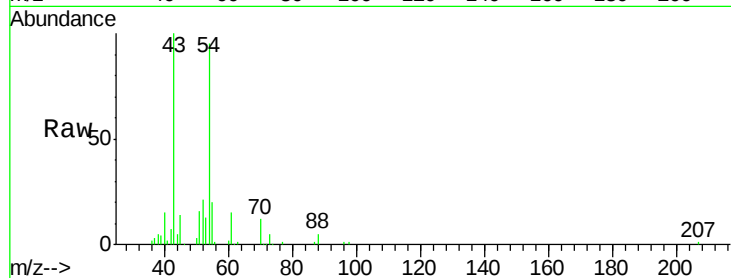
#37
Ethyl Acetate
Concen: 53.877 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.4	17.0
70	10.2	9.0	13.4

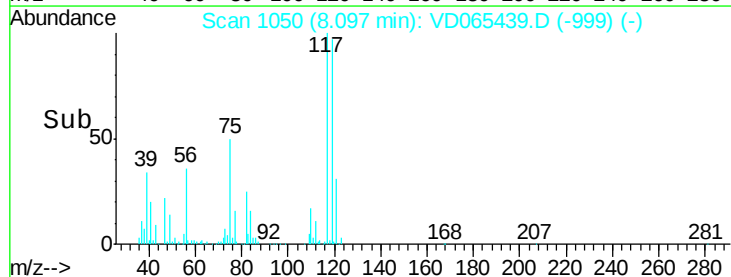
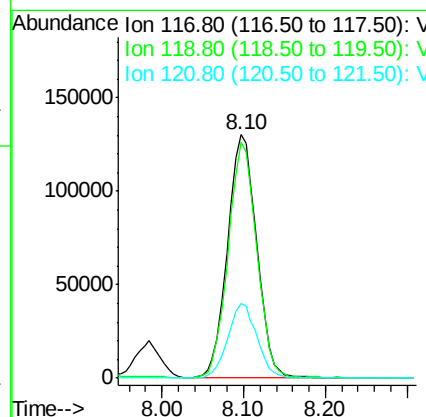
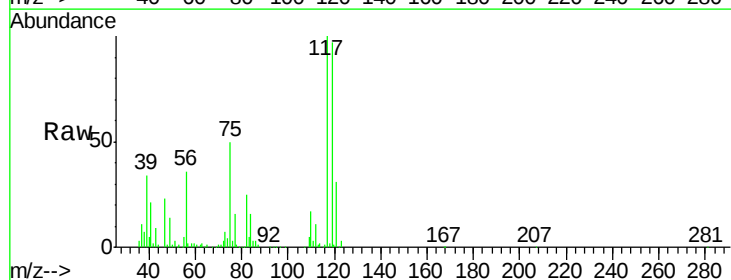
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#38
Carbon Tetrachloride
Concen: 48.988 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	73.3	109.9
121	30.5	25.0	37.4





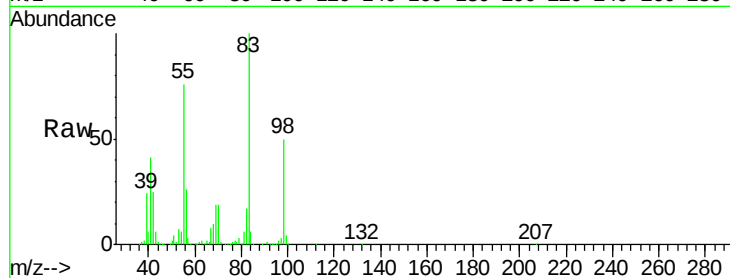
#39
Methvlcvclohexane
Concen: 48.659 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

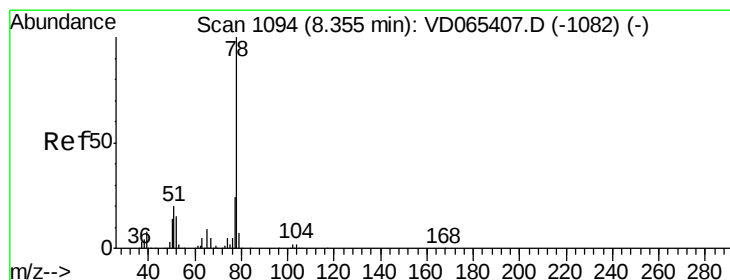
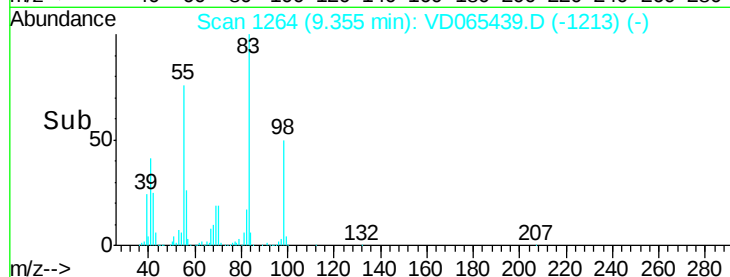
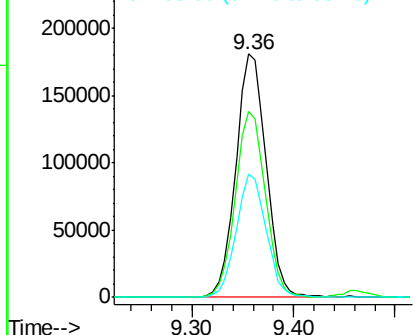
Tot Ion	Ratio	Lower	Upper
83	100		
55	76.2	57.1	85.7
98	50.5	37.8	56.8

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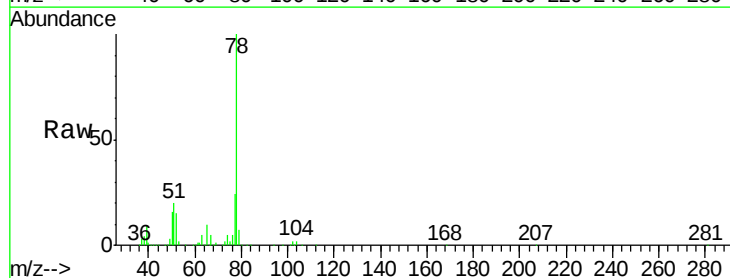


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

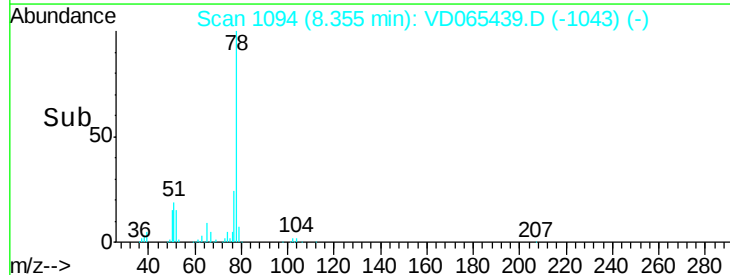
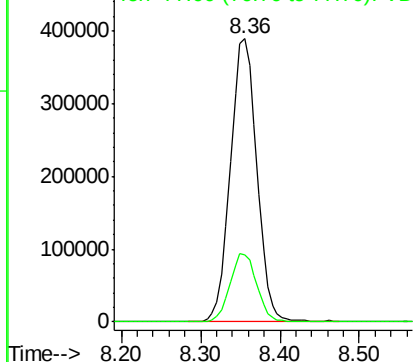


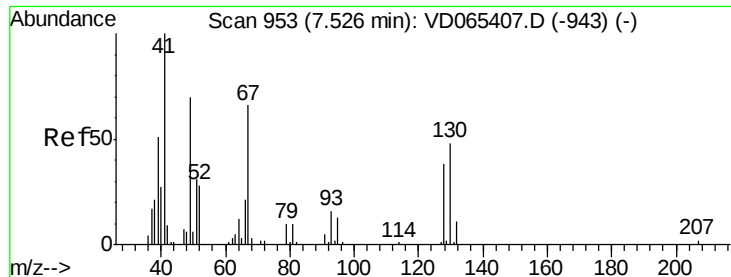
#40
Benzene
Concen: 50.390 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0



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





#41

Methacrylonitrile

Concen: 57.654 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 75255

Ion Ratio Lower Upper

41 100

39 52.2 55.0 82.6#

67 70.8 70.3 105.5

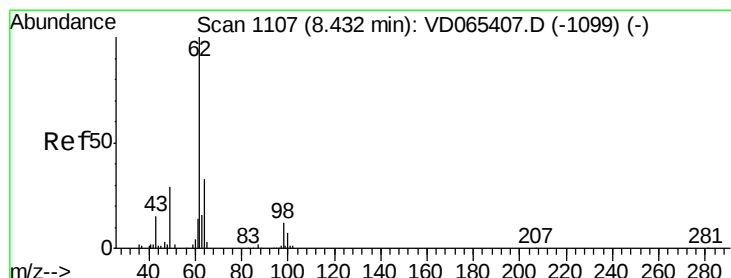
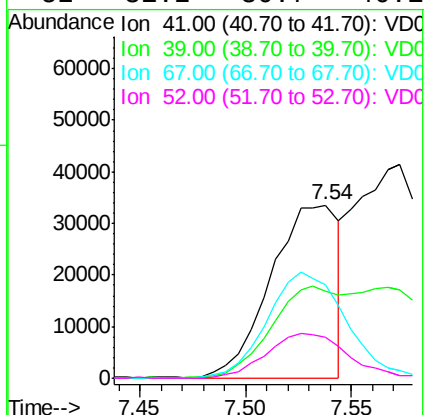
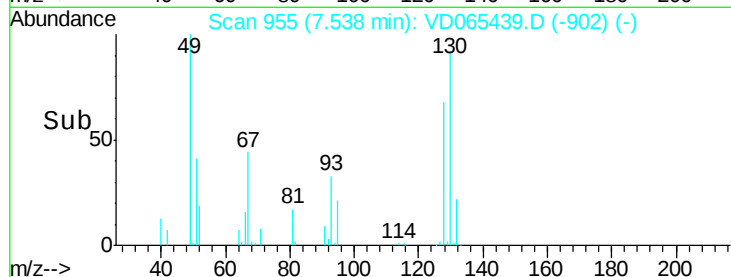
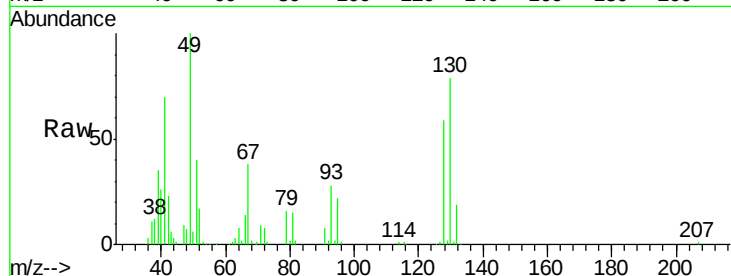
52 31.2 30.7 46.1

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#42

1,2-Dichloroethane

Concen: 52.421 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065439.D

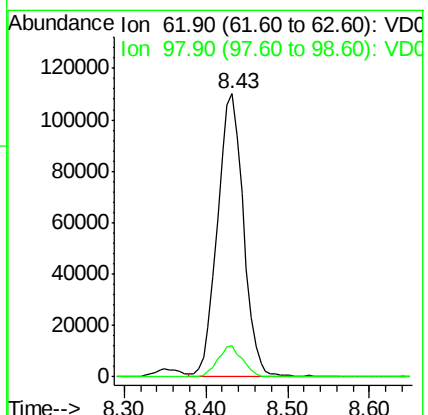
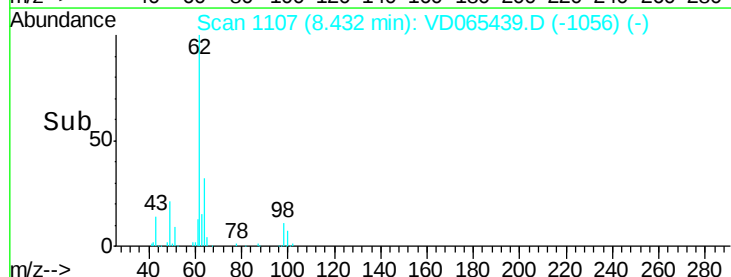
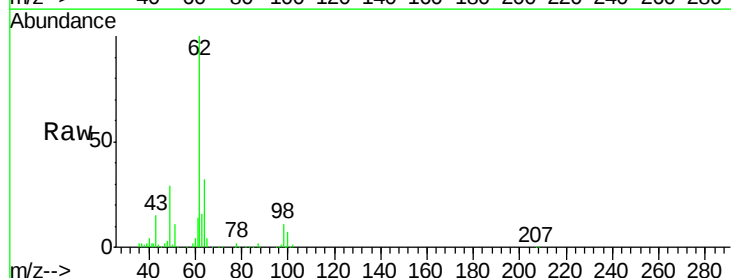
Acq: 05 Mar 2020 18:59

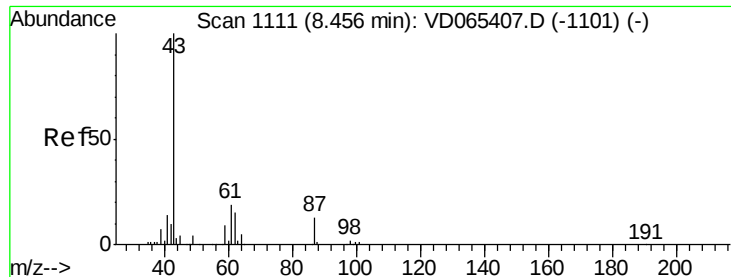
Tgt Ion: 62 Resp: 244395

Ion Ratio Lower Upper

62 100

98 10.6 0.0 21.4





#43

Isopropyl Acetate

Concen: 51.936 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

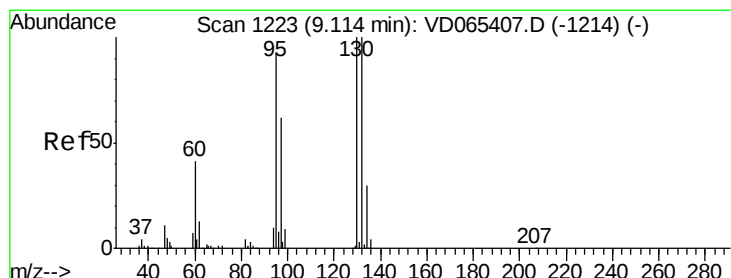
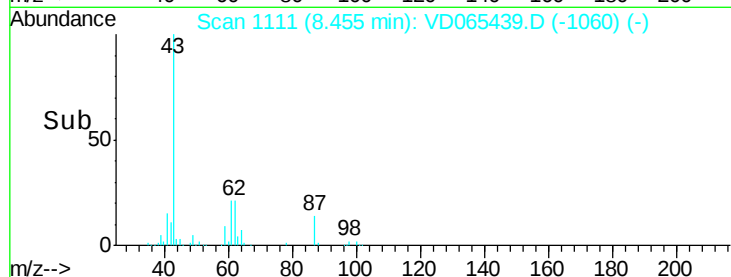
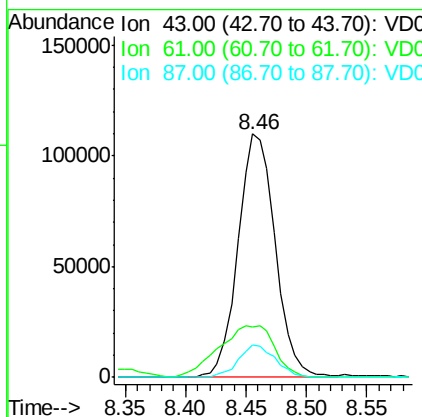
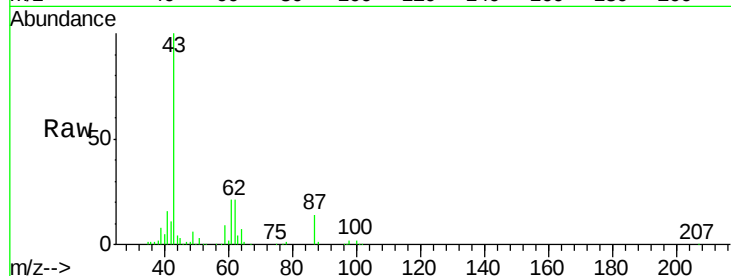
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	236686
Ion Ratio	Lower	Upper	
43	100		
61	31.8	25.0	37.6
87	13.4	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 49.427 ug/l

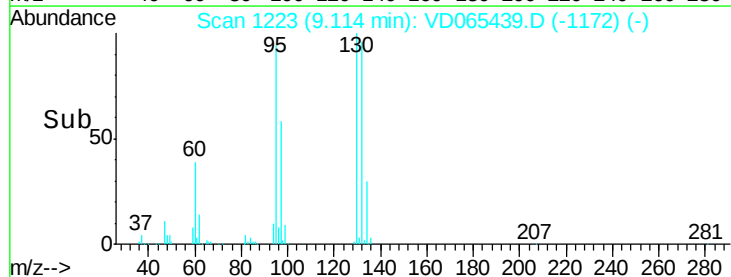
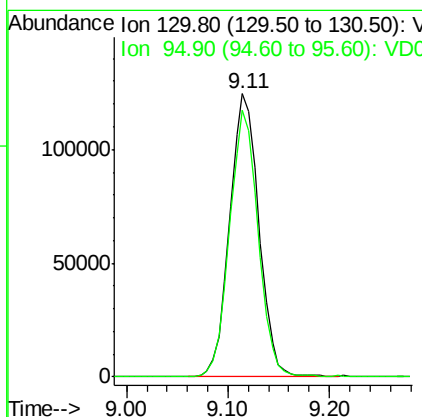
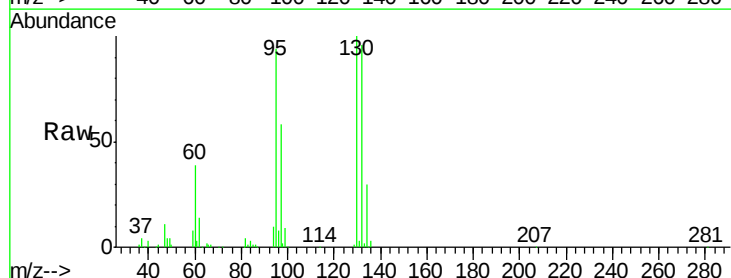
RT: 9.11 min Scan# 1223

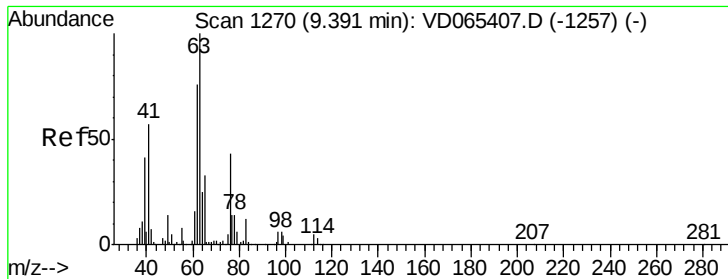
Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Tgt Ion:	130	Resp:	249214
Ion Ratio	Lower	Upper	
130	100		
95	94.4	0.0	186.0





#45

1,2-Dichloropropane

Concen: 51.811 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 224070

Ion Ratio Lower Upper

63 100

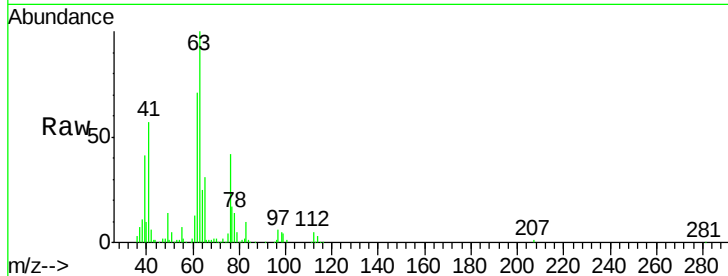
65 30.7 26.4 39.6

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

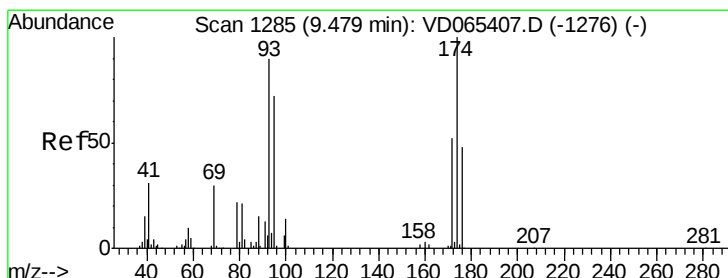
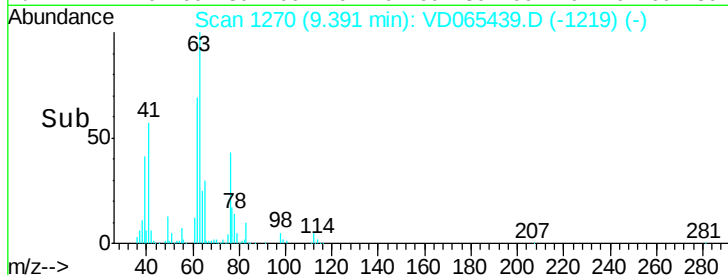
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 52.188 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

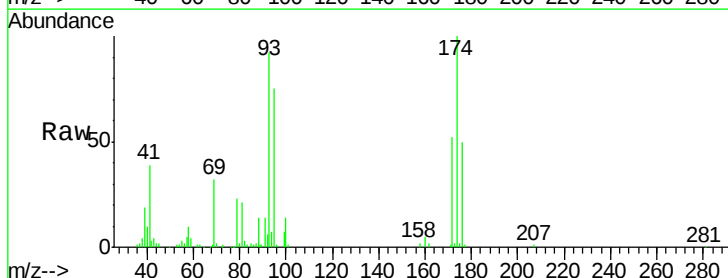
Tgt Ion: 93 Resp: 117073

Ion Ratio Lower Upper

93 100

95 84.0 65.0 97.6

174 112.6 88.3 132.5



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

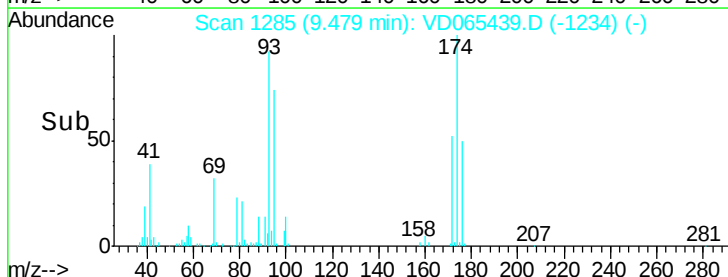
60000

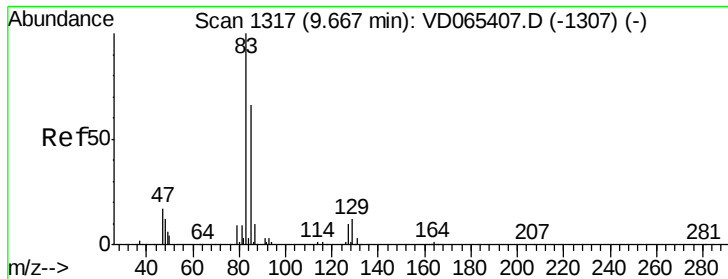
40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 52.190 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

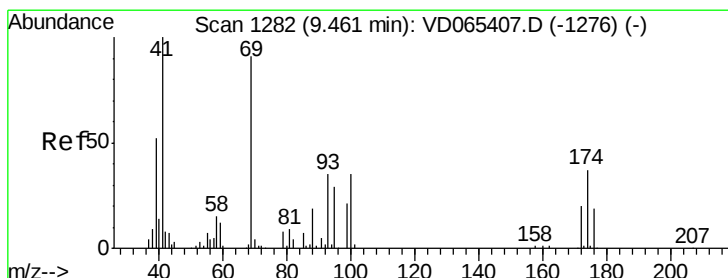
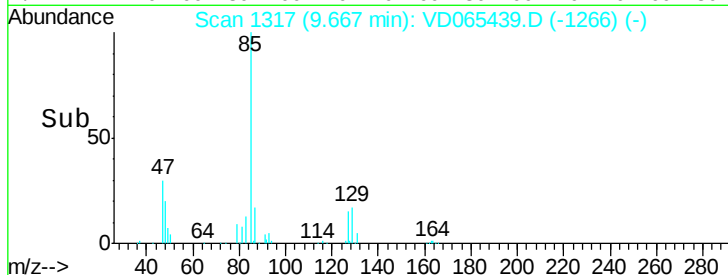
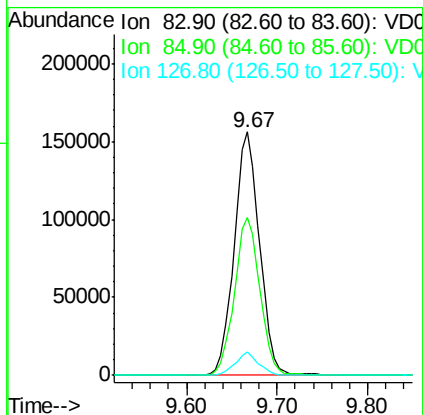
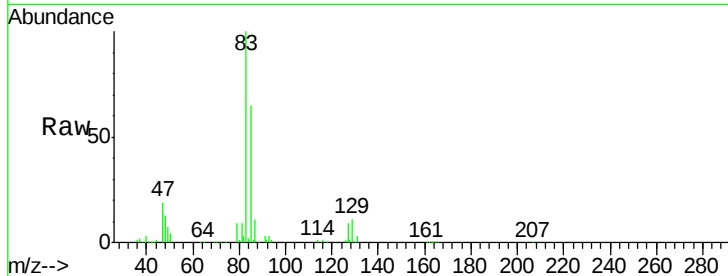
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	304583
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.8	79.2
127	9.5	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 53.273 ug/l

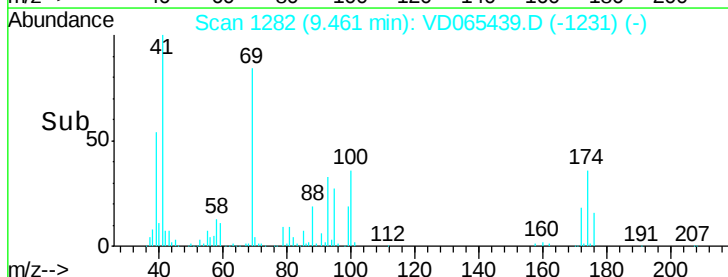
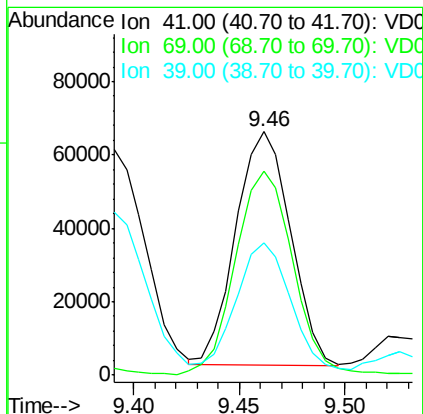
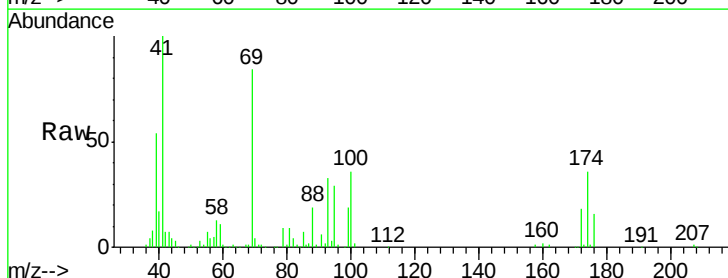
RT: 9.46 min Scan# 1282

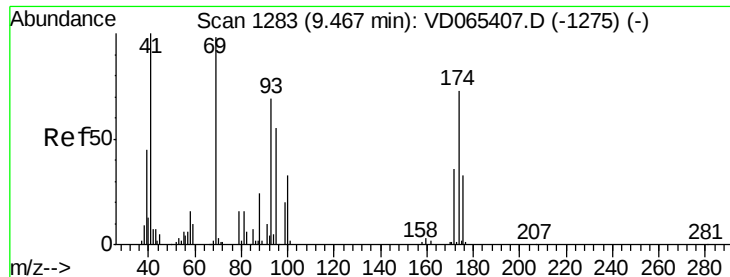
Delta R.T. 0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Tgt Ion:	41	Resp:	114201
Ion	Ratio	Lower	Upper
41	100		
69	91.6	72.5	108.7
39	53.1	41.6	62.4





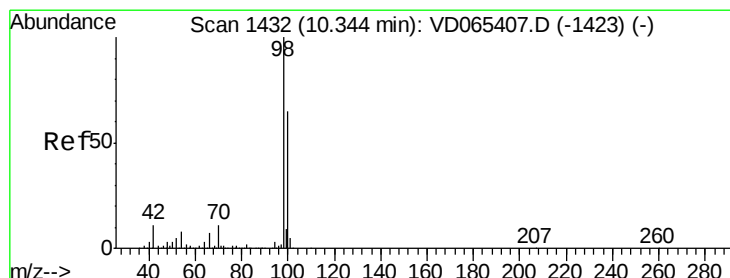
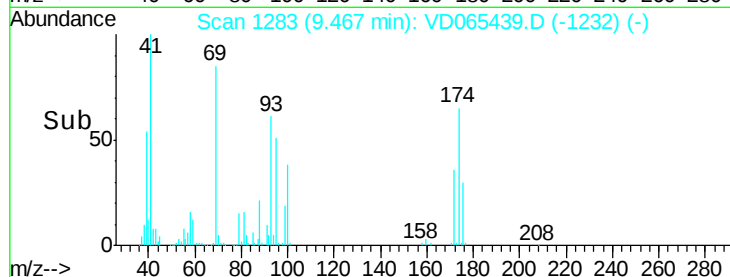
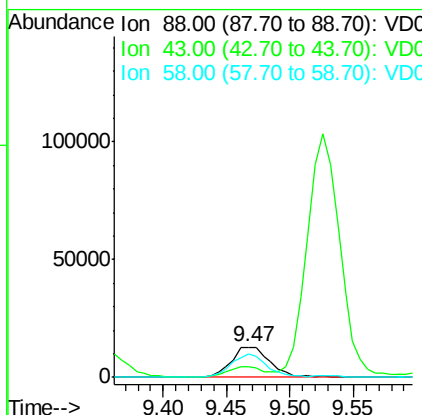
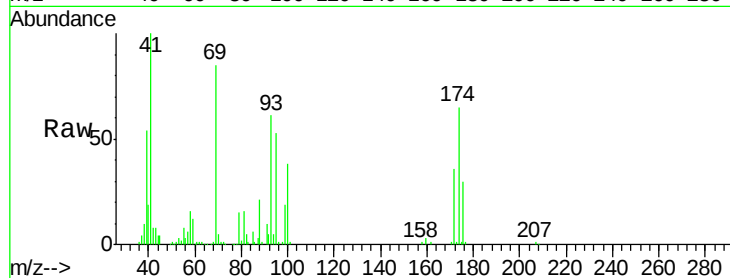
#49
1,4-Dioxane
Concen: 1072.406 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	24.5	36.7
58	69.6	54.5	81.7

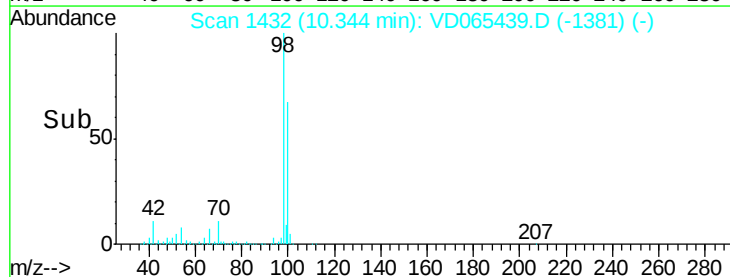
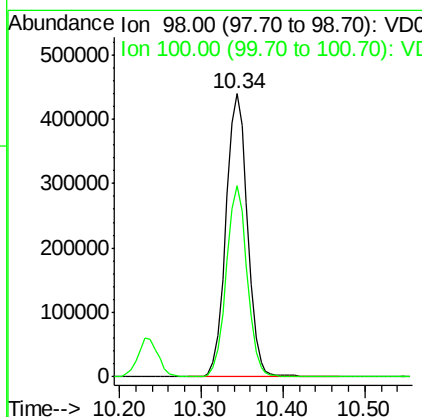
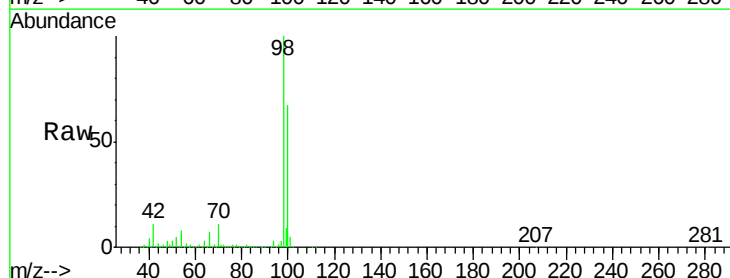
Manual Integrations
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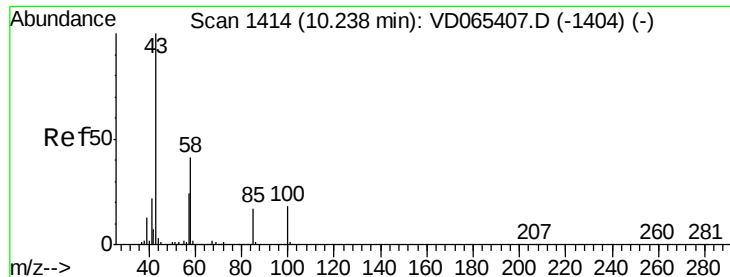
MMDadoda
3/6/2020 11:17:35 AM



#50
Toluene-d8
Concen: 50.933 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.8	79.2





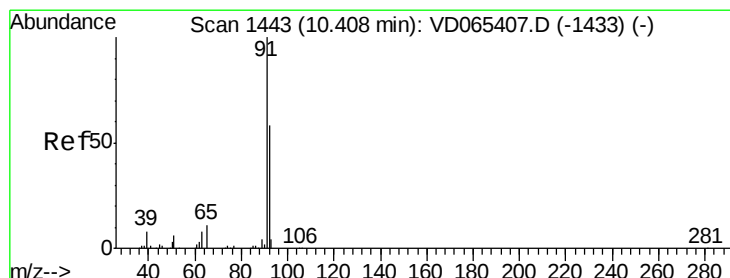
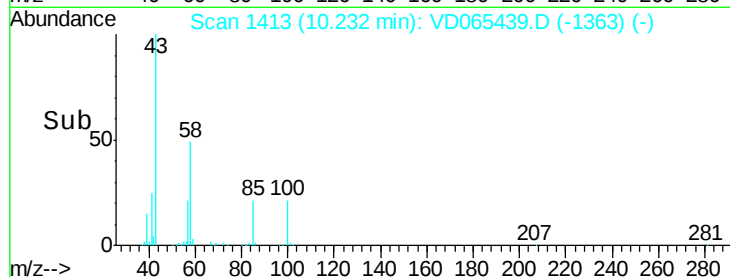
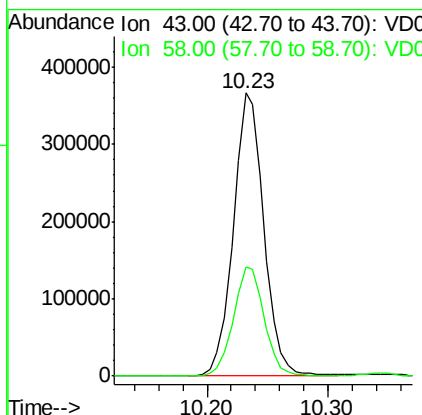
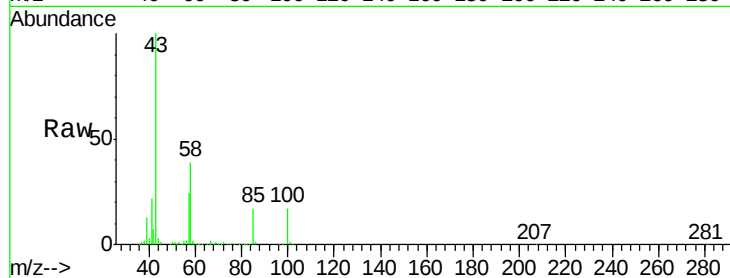
#51
4-Methyl-2-Pentanone
Concen: 280.311 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 642840
Ion Ratio Lower Upper
43 100
58 39.2 31.8 47.6

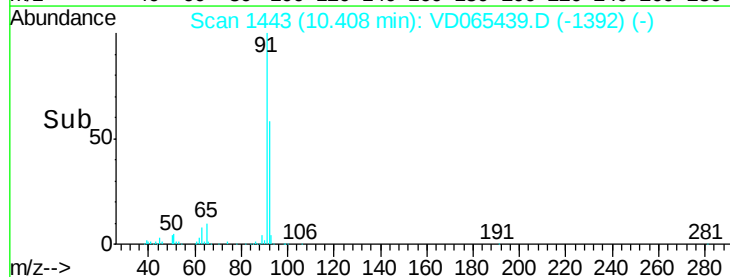
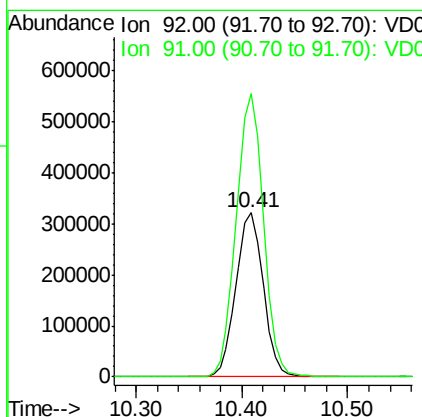
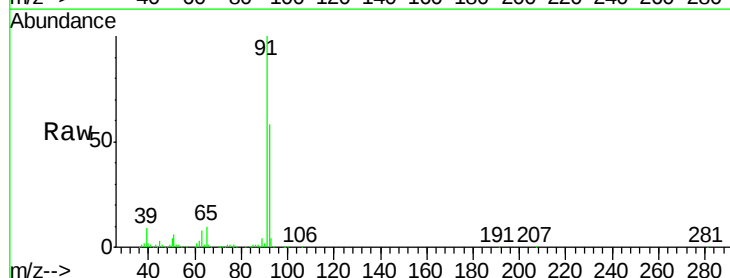
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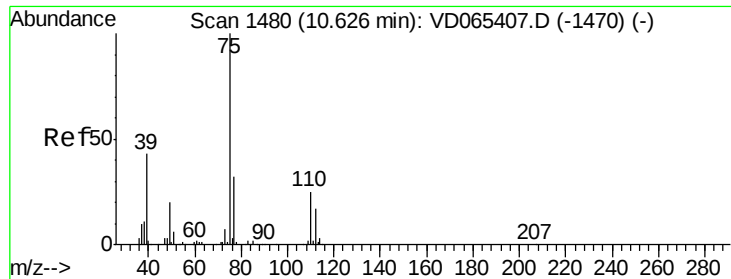
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#52
Toluene
Concen: 51.308 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion: 92 Resp: 577080
Ion Ratio Lower Upper
92 100
91 172.6 137.8 206.8





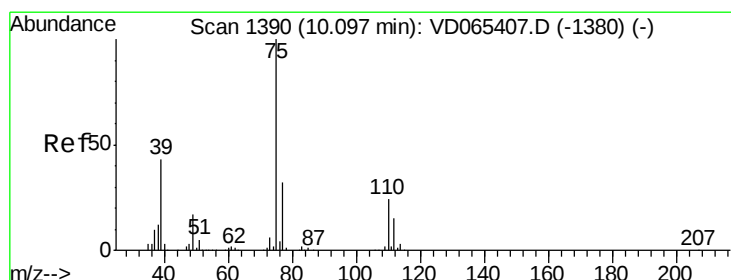
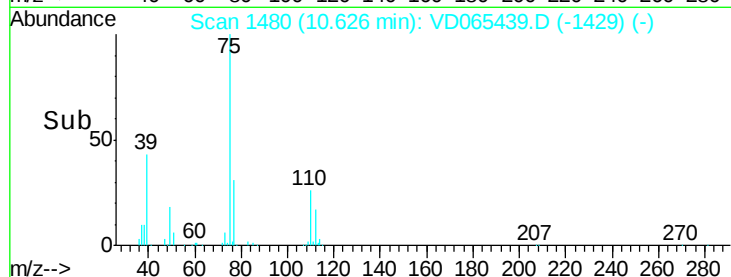
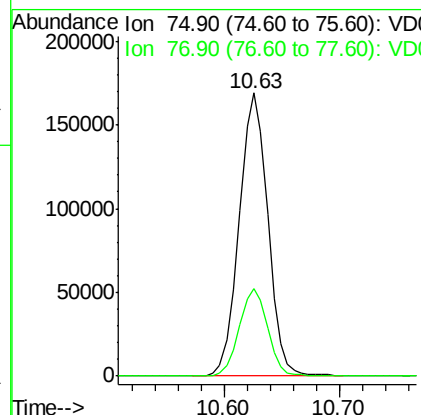
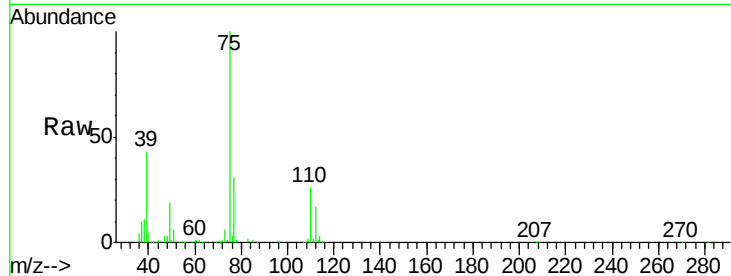
#53
t-1,3-Dichloropropene
Concen: 53.326 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2

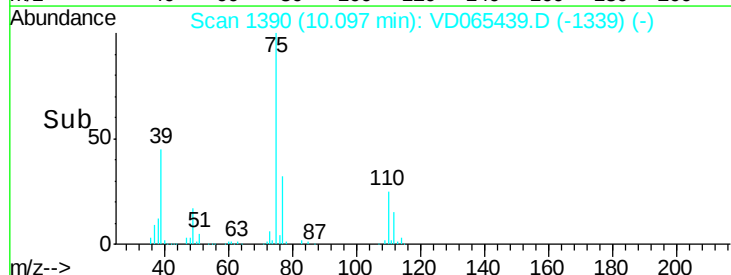
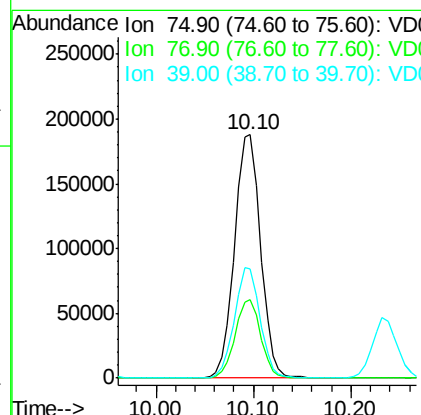
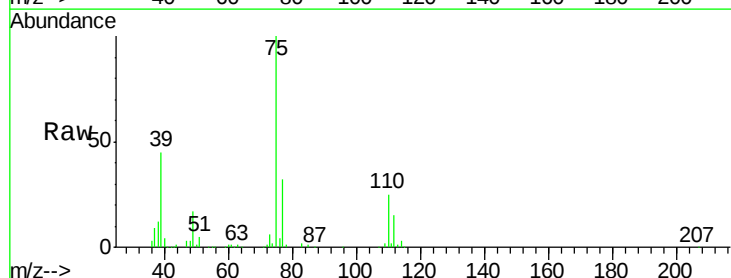
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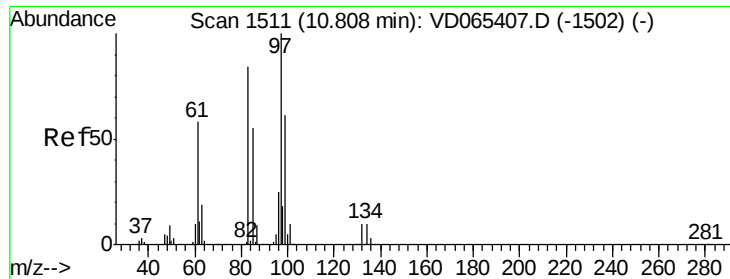
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#54
cis-1,3-Dichloropropene
Concen: 52.973 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.3	37.9
39	44.6	34.6	52.0





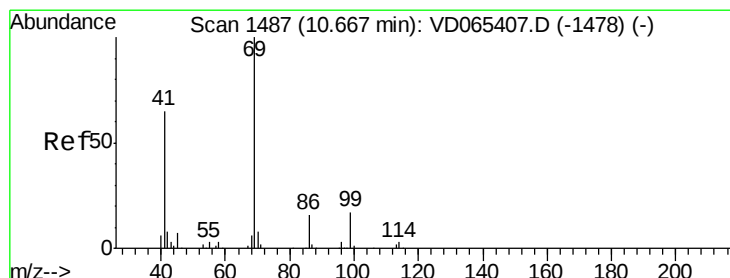
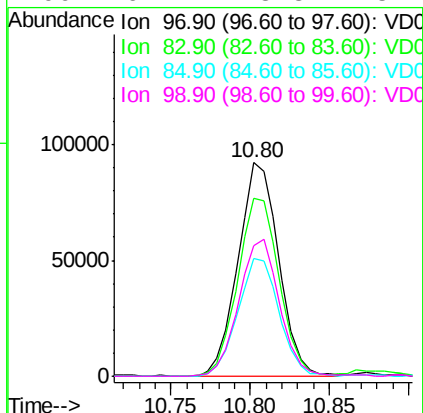
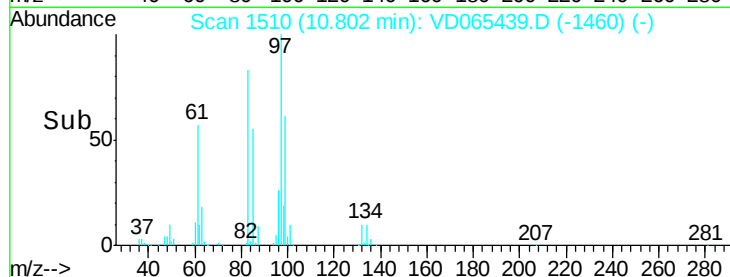
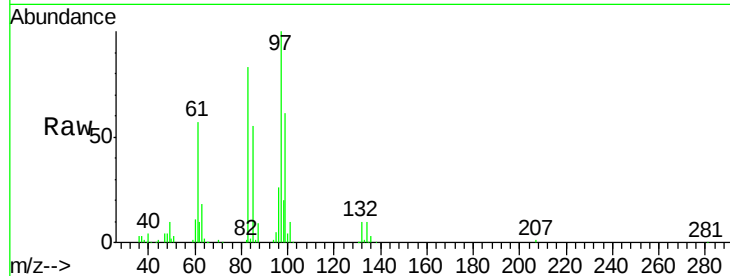
#55
 1,1,2-Trichloroethane
 Concen: 51.826 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	164665
Ion	Ratio	Lower	Upper
97	100		
83	83.3	67.4	101.0
85	55.0	43.8	65.8
99	61.4	48.8	73.2

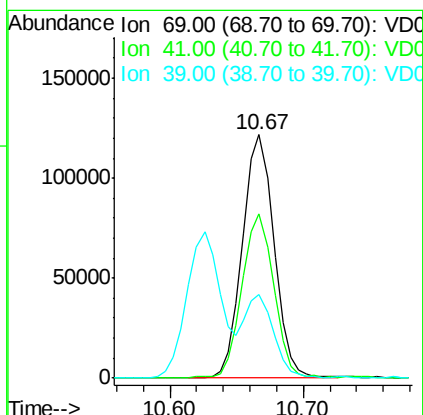
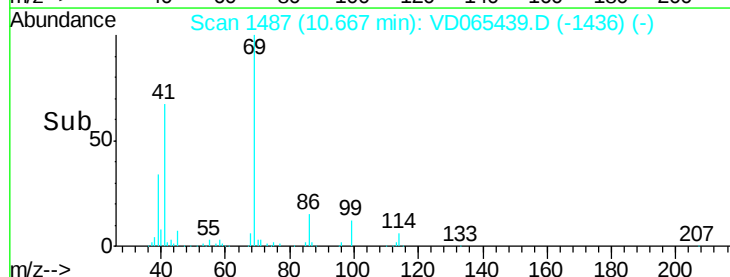
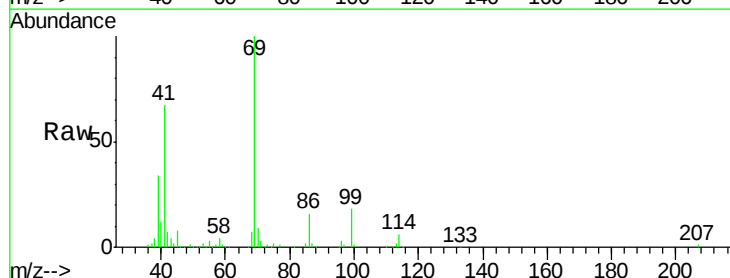
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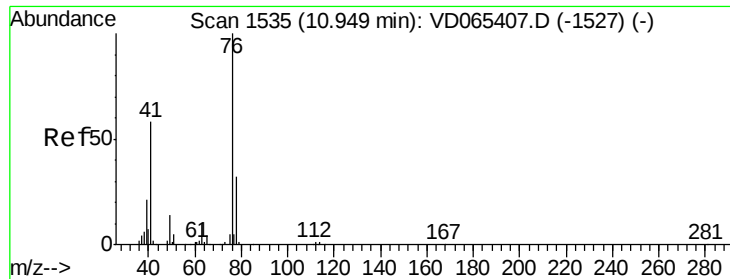
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#56
 Ethyl methacrylate
 Concen: 55.853 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Tgt Ion:	69	Resp:	200060
Ion	Ratio	Lower	Upper
69	100		
41	68.3	53.0	79.6
39	31.0	26.0	39.0





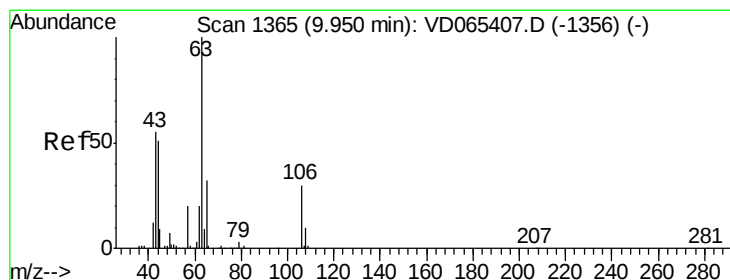
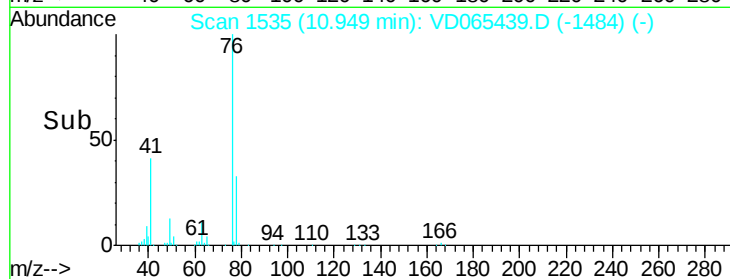
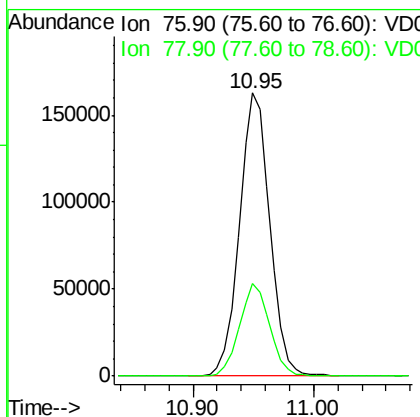
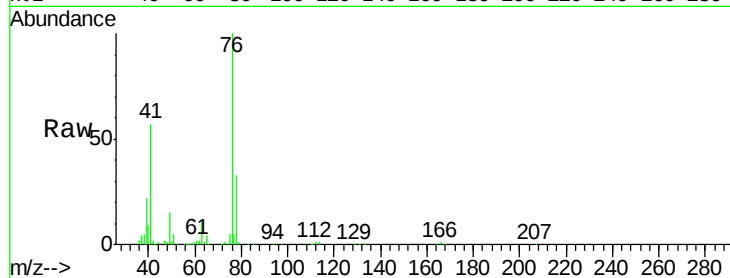
#57
 1,3-Dichloropropane
 Concen: 52.909 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.0	39.0

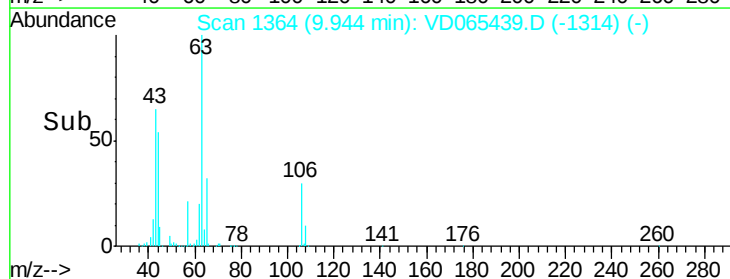
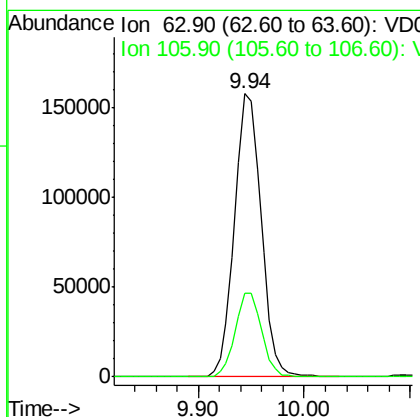
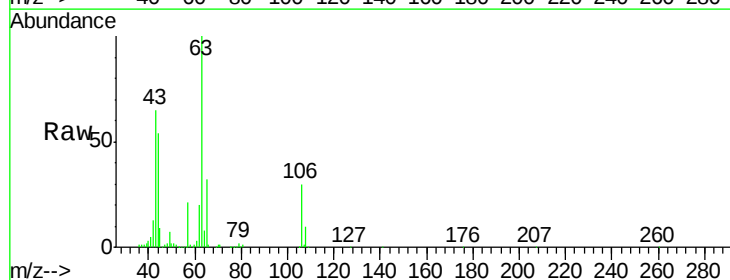
Manual Integrations
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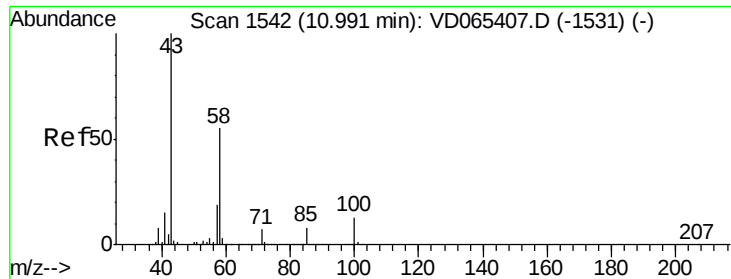
MMDadoda
 3/6/2020 11:17:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 247.061 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.3	34.9





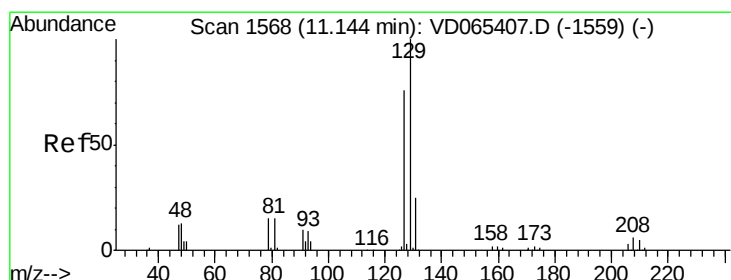
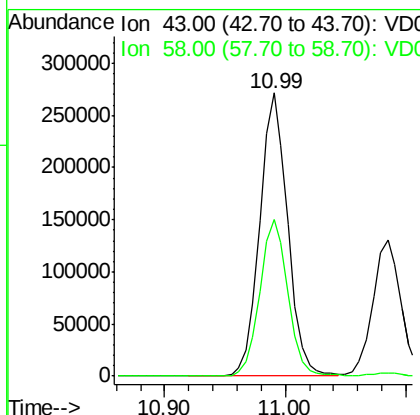
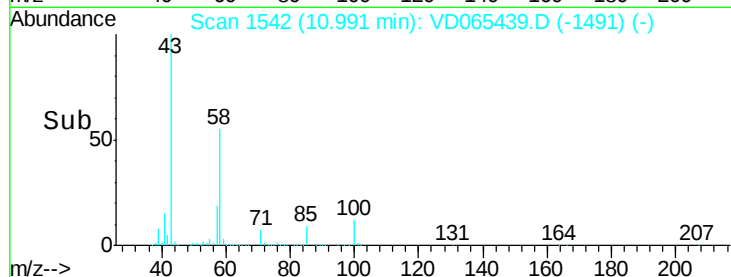
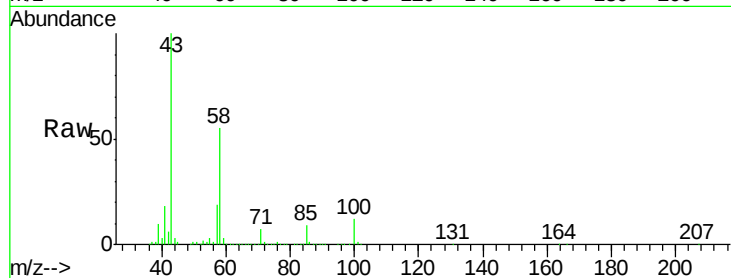
#59
2-Hexanone
Concen: 276.229 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 438520
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.2

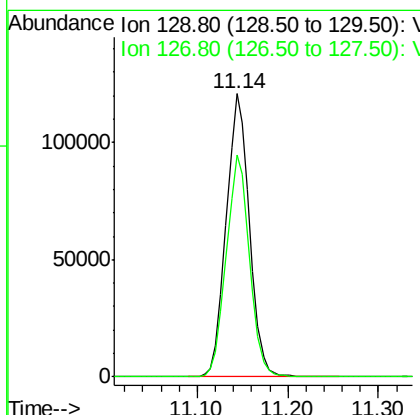
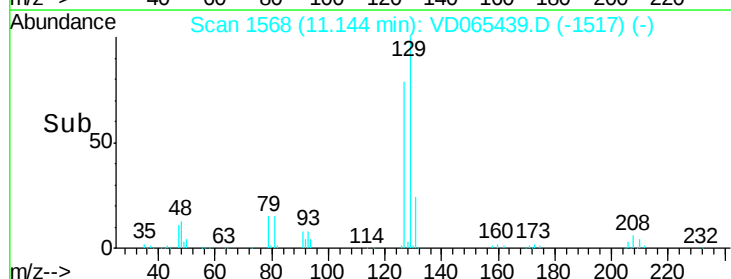
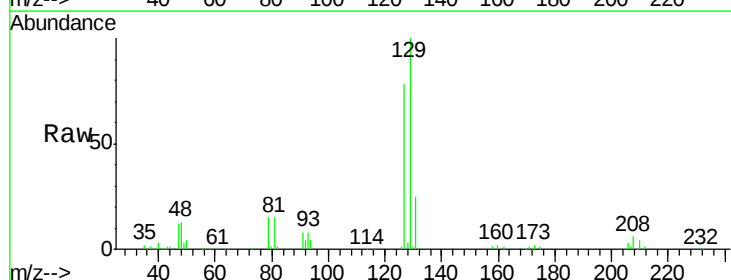
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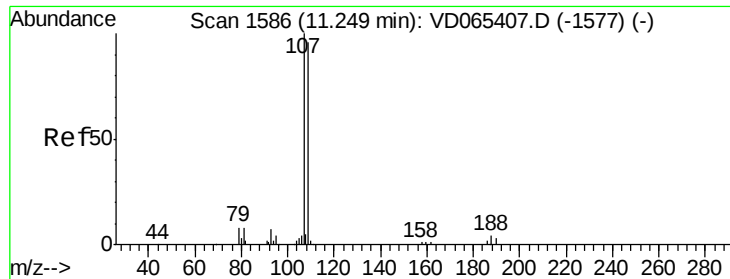
MMDadoda
3/6/2020 11:17:35 AM



#60
Dibromochloromethane
Concen: 52.836 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion: 129 Resp: 215188
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 52.892 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 160297

Ion Ratio Lower Upper

107 100

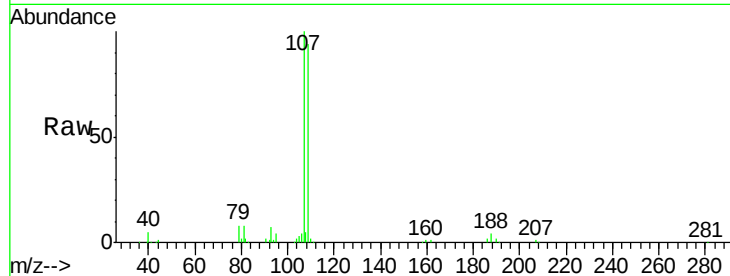
109 94.1 76.8 115.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

80000

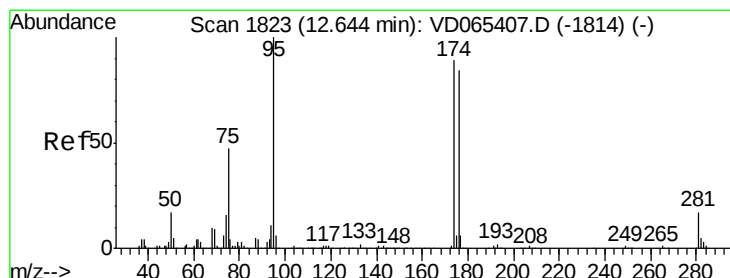
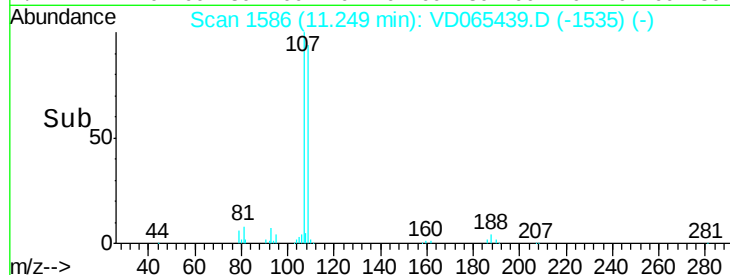
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.224 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

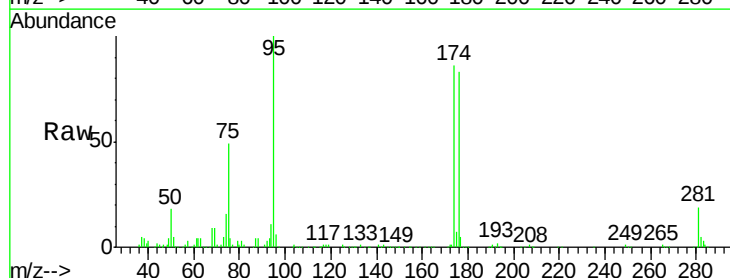
Tgt Ion: 95 Resp: 254798

Ion Ratio Lower Upper

95 100

174 89.3 0.0 176.8

176 87.2 0.0 171.4



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

200000

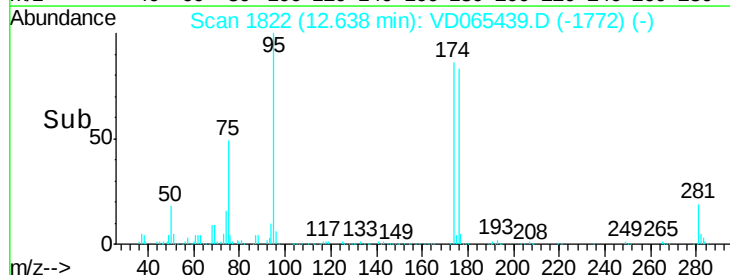
150000

100000

50000

0

Time-->





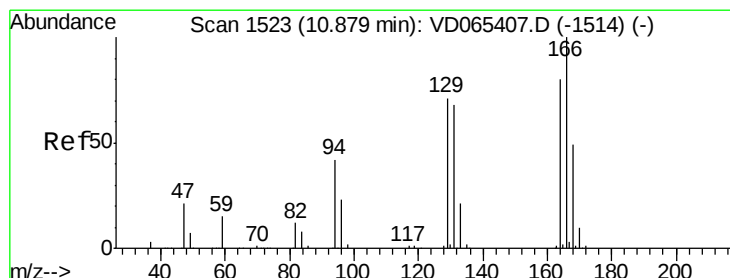
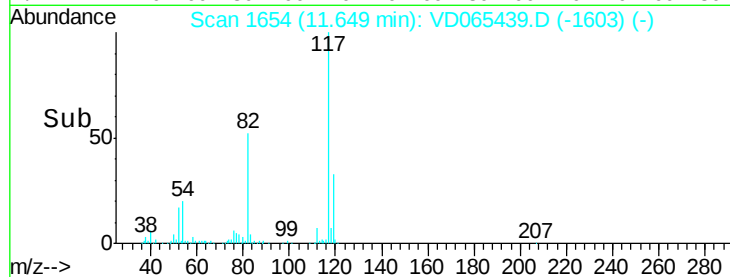
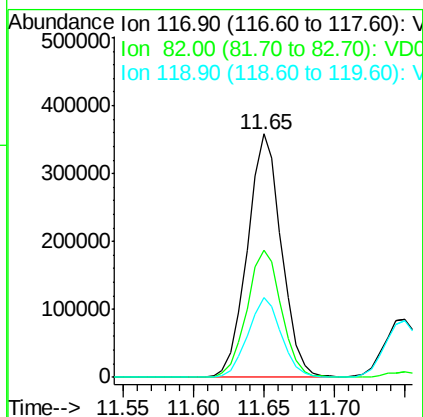
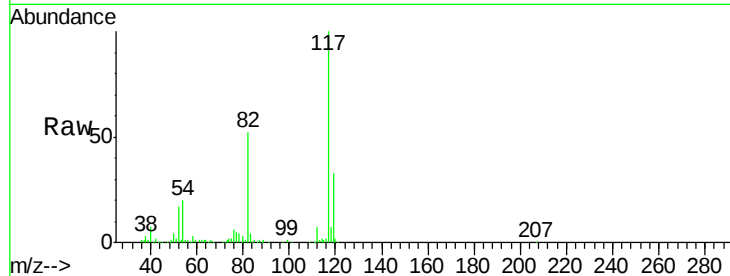
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	605720		
82	52.0		40.6	60.8
119	32.8		25.4	38.2

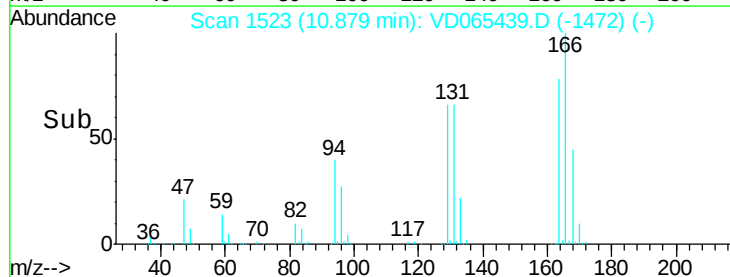
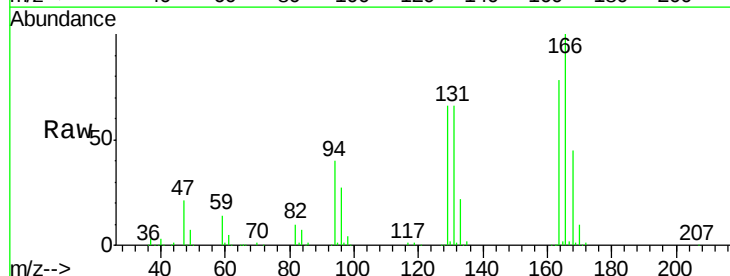
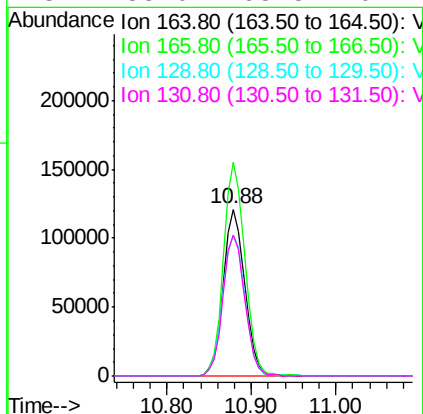
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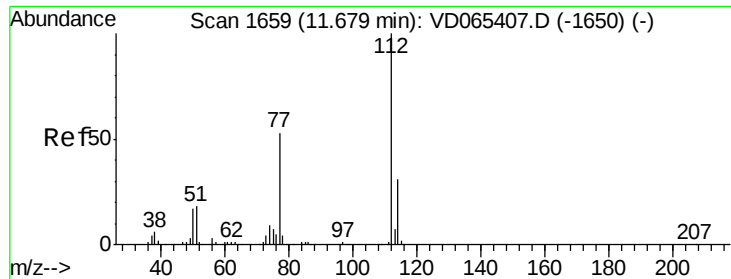
MMDadoda
3/6/2020 11:17:35 AM



#64
Tetrachloroethene
Concen: 48.926 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	212357		
166	128.3		100.5	150.7
129	85.0		71.5	107.3
131	85.0		68.5	102.7





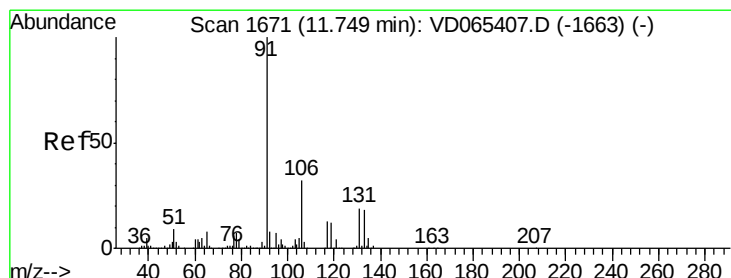
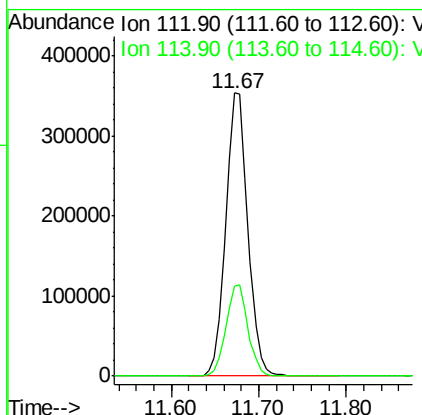
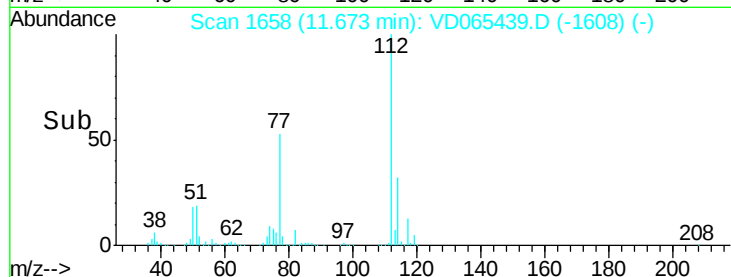
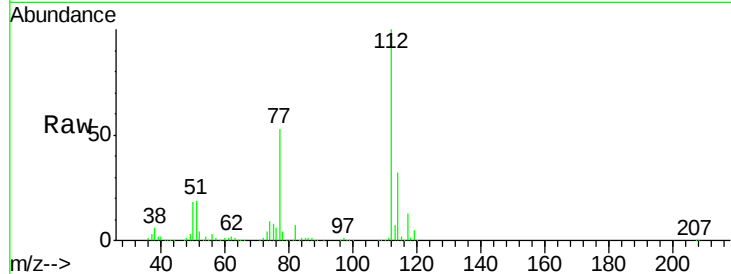
#65
Chlorobenzene
Concen: 51.103 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.4	36.6

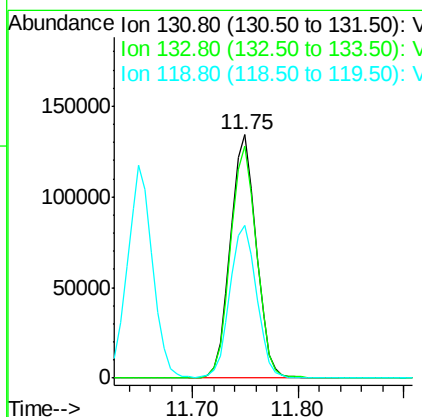
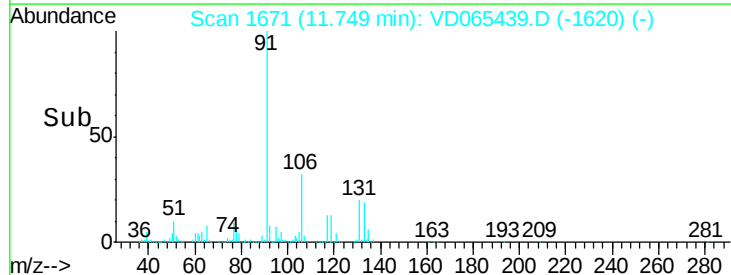
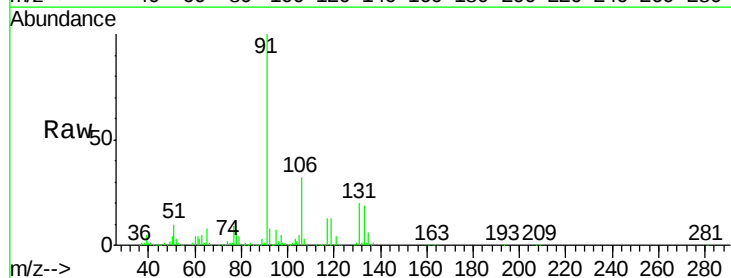
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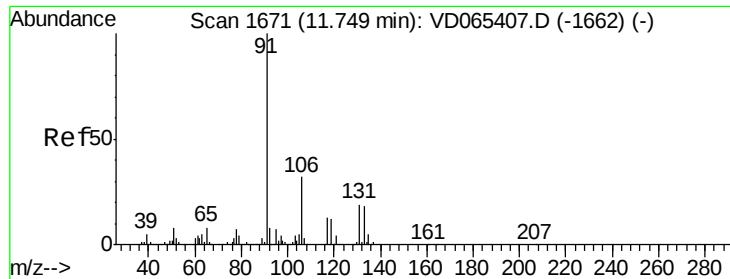
MMDadoda
3/6/2020 11:17:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.111 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	49.2	147.6
119	64.3	33.3	99.8





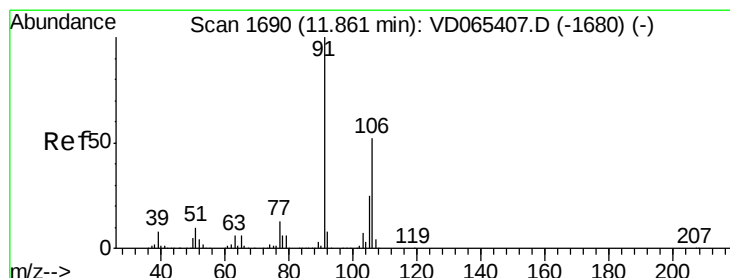
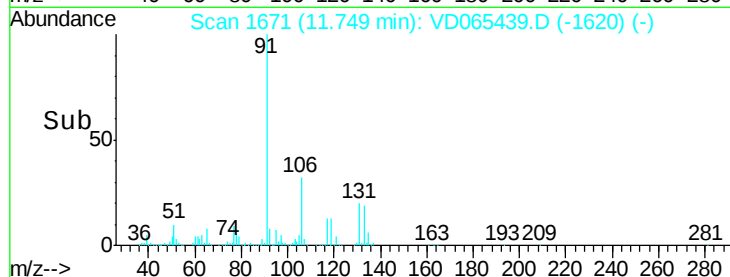
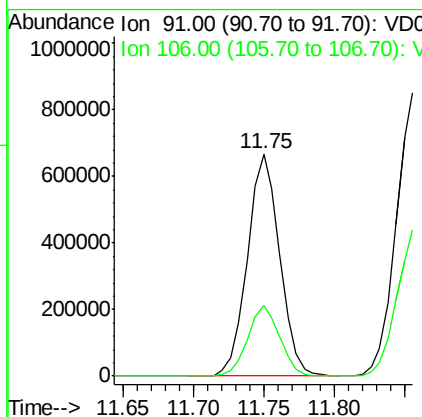
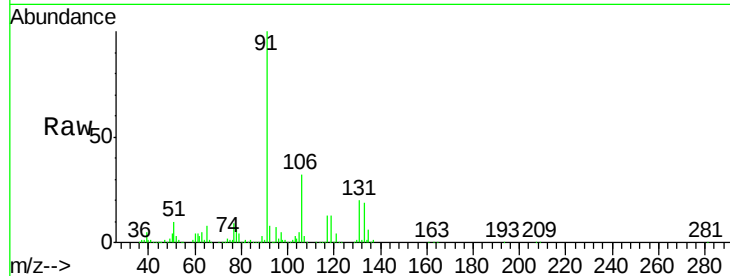
#67
Ethyl Benzene
Concen: 51.733 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1071458
Ion Ratio Lower Upper
91 100
106 32.1 25.2 37.8

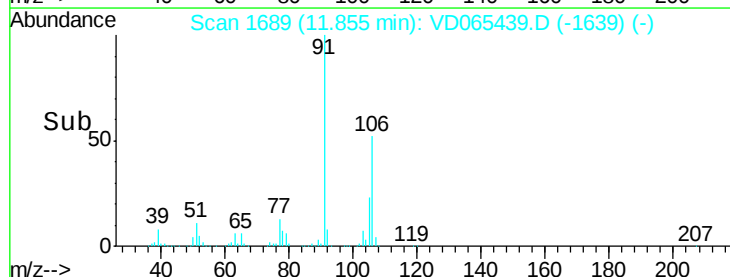
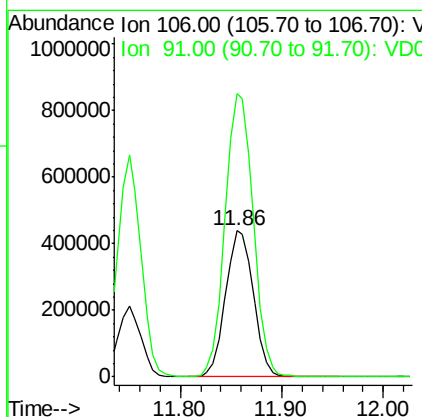
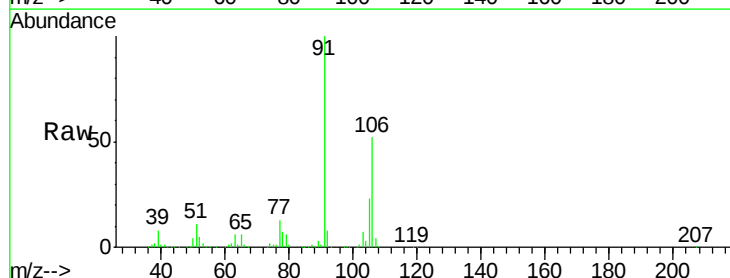
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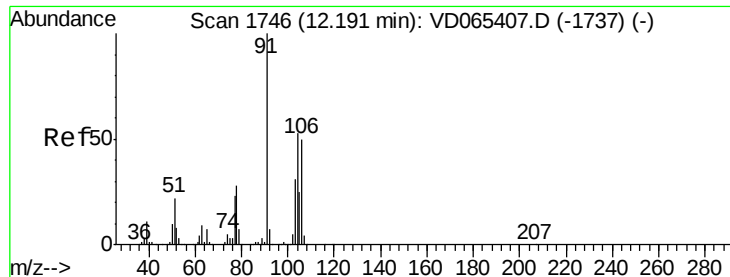
MMDadoda
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#68
m/p-Xylenes
Concen: 104.834 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion: 106 Resp: 837210
Ion Ratio Lower Upper
106 100
91 195.6 155.9 233.9





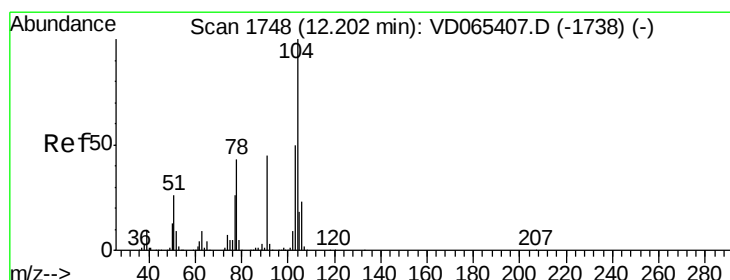
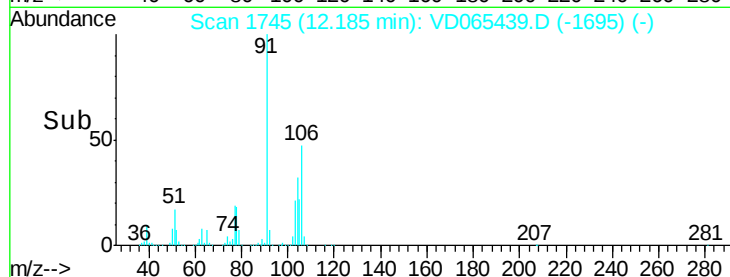
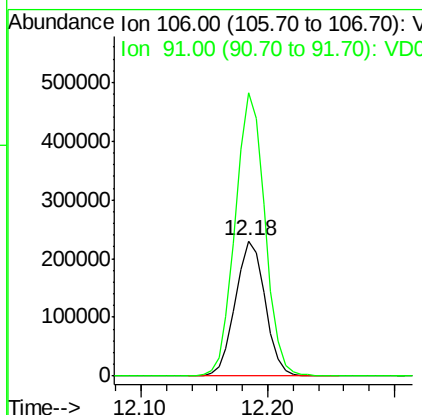
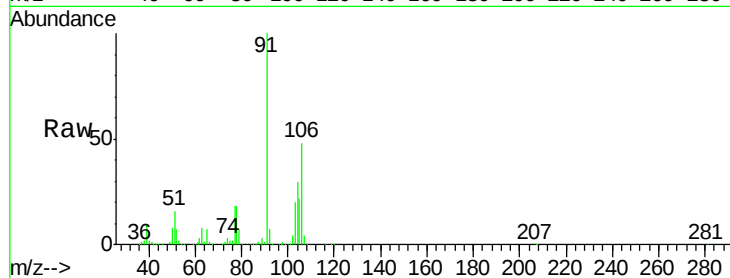
#69
o-Xylene
Concen: 53.283 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.8	103.5	310.3

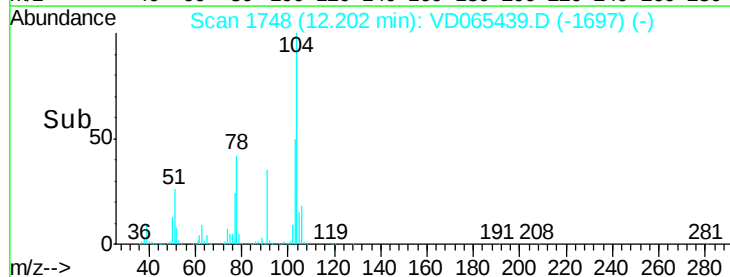
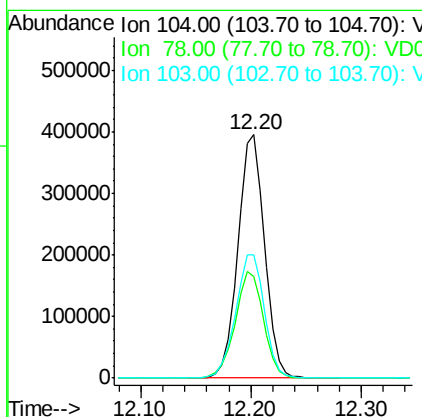
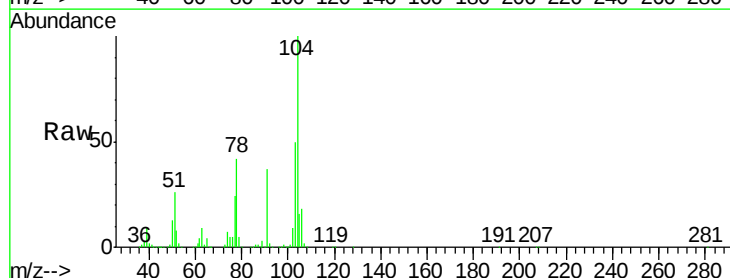
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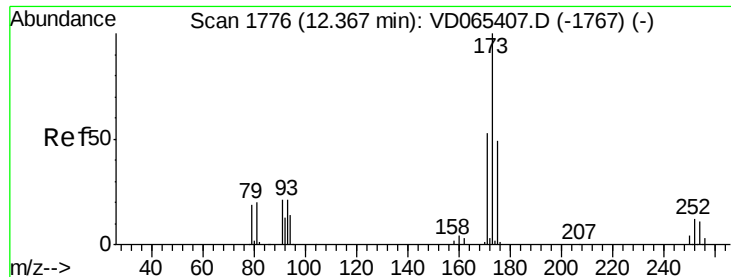
MMDadoda
3/6/2020 11:17:35 AM



#70
Styrene
Concen: 54.237 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.6	37.7	56.5
103	54.8	43.6	65.4





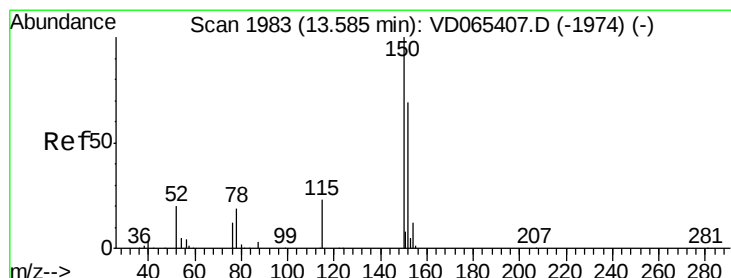
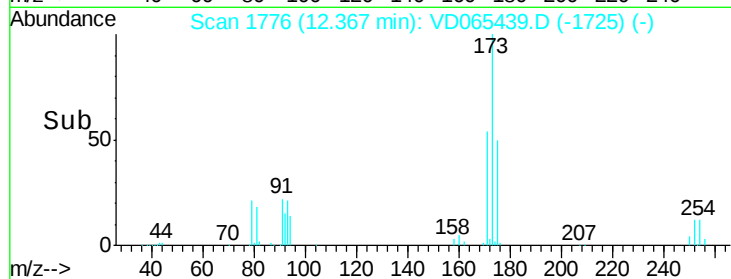
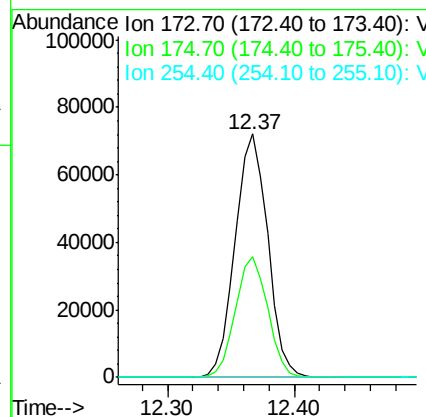
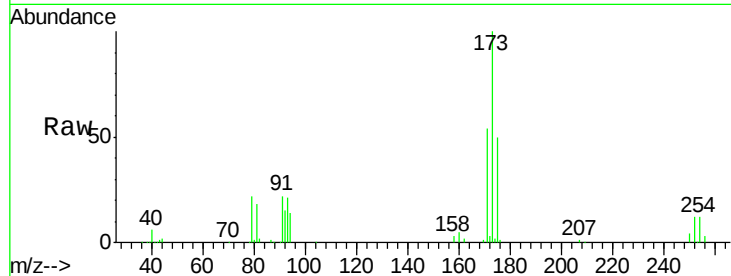
#71
Bromoform
Concen: 52.289 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.3	73.0
254	0.0	0.1	0.1#

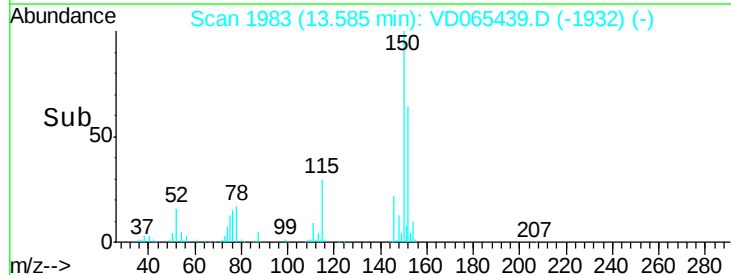
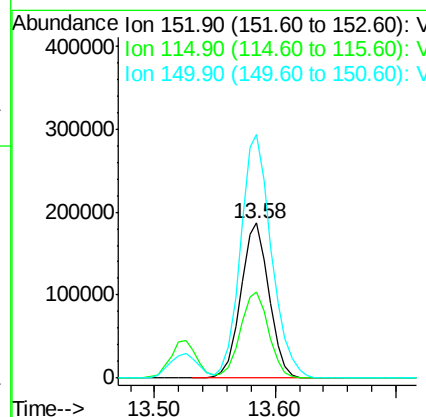
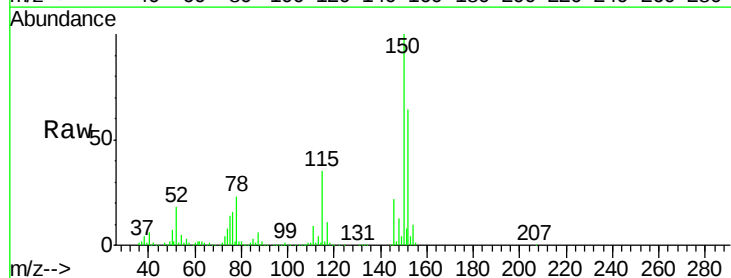
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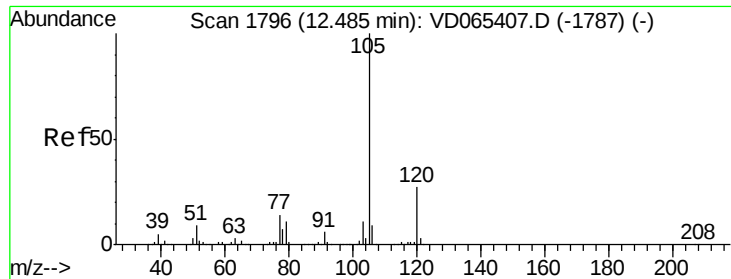
MMDadoda
3/6/2020 11:17:35 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.6	82.8
150	172.0	0.0	345.0





#73

Isopropylbenzene

Concen: 50.711 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1011622

Ion Ratio Lower Upper

105 100

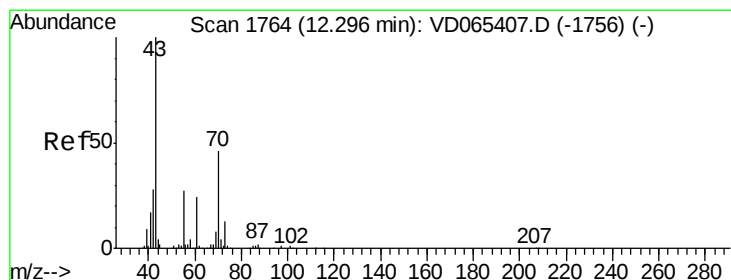
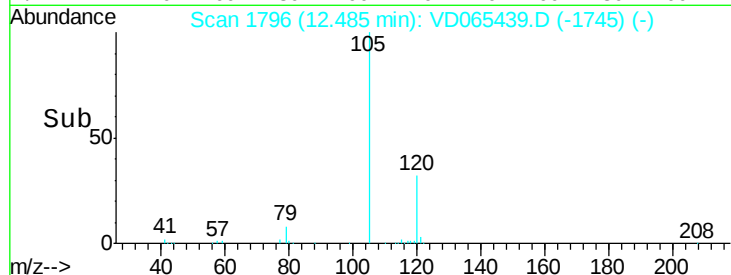
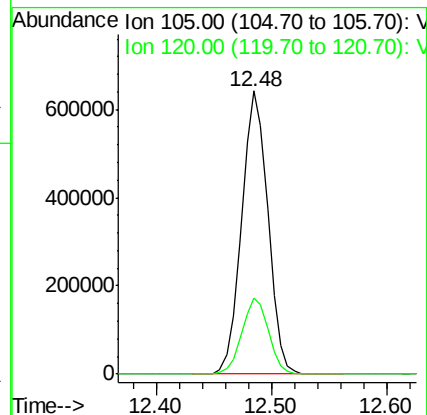
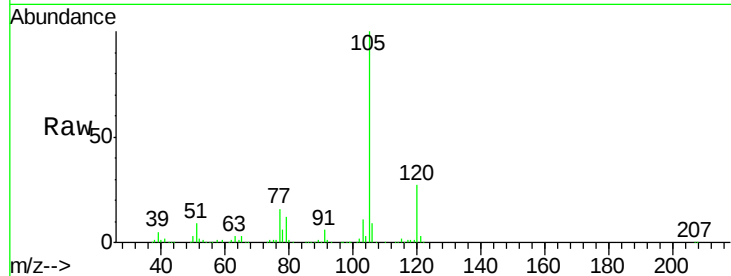
120 27.0 13.5 40.4

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#74

N-ethyl acetate

Concen: 54.735 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Tgt Ion: 43 Resp: 223537

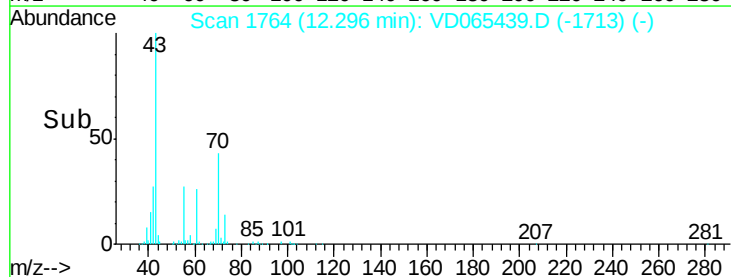
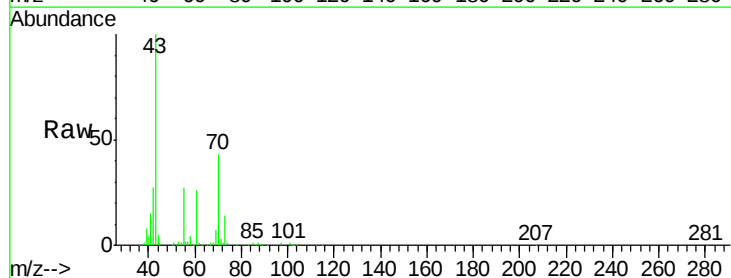
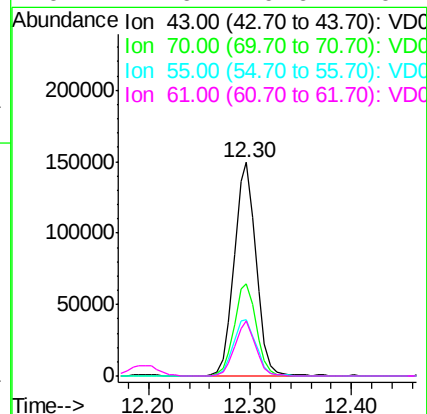
Ion Ratio Lower Upper

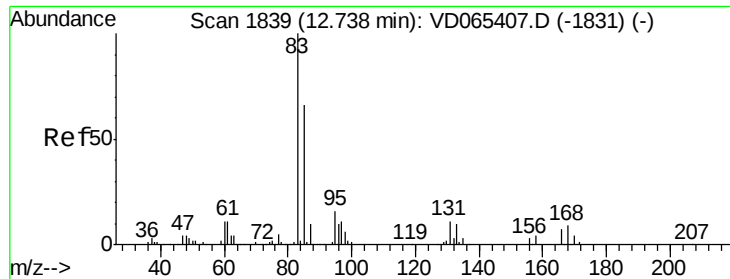
43 100

70 43.4 36.1 54.1

55 28.0 21.6 32.4

61 24.6 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.260 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

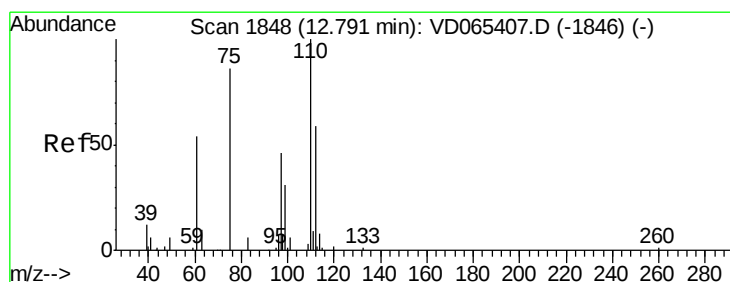
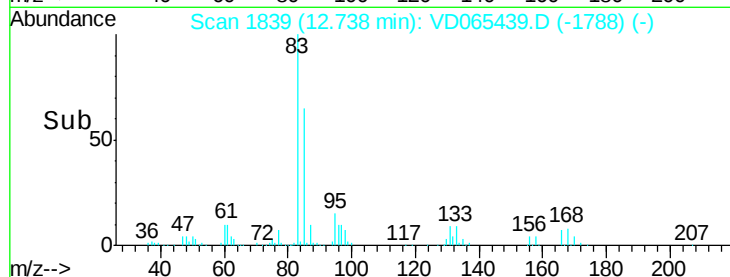
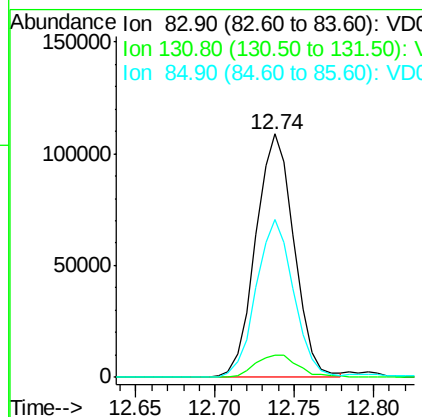
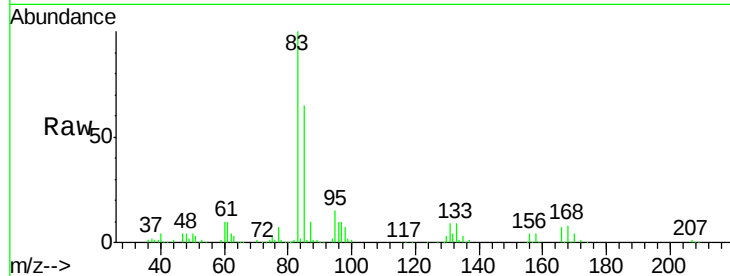
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	183250
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	63.4	33.0	98.9

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3/6/2020 11:17:35 AM



#76

1,2,3-Trichloropropane

Concen: 56.695 ug/l m

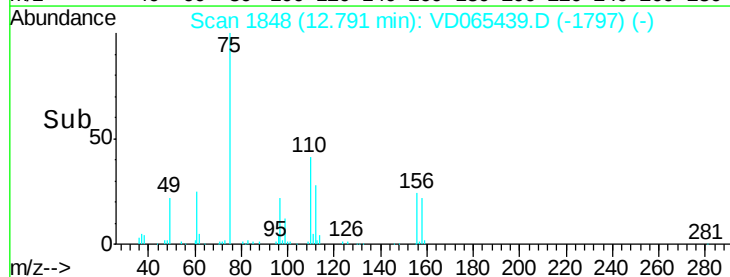
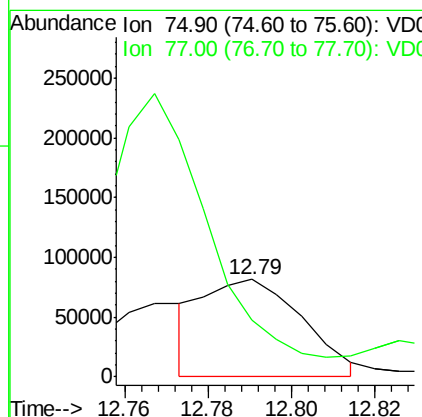
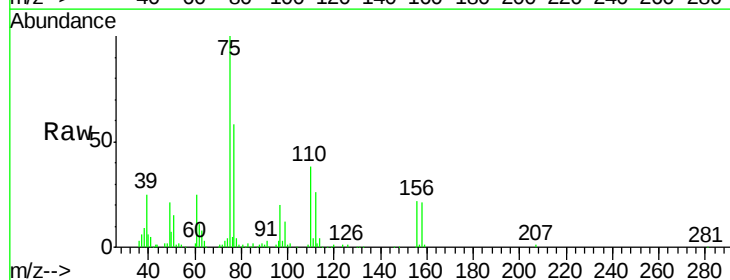
RT: 12.79 min Scan# 1848

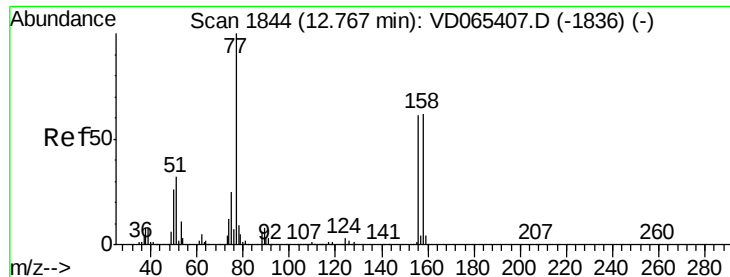
Delta R.T. 0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Tgt Ion:	75	Resp:	135682
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.608 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

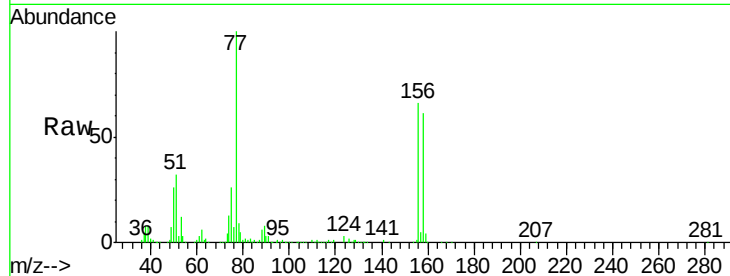
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	255783
Ion Ratio	Lower	Upper	
156	100		
77	167.9	84.9	254.6
158	94.5	49.0	147.2

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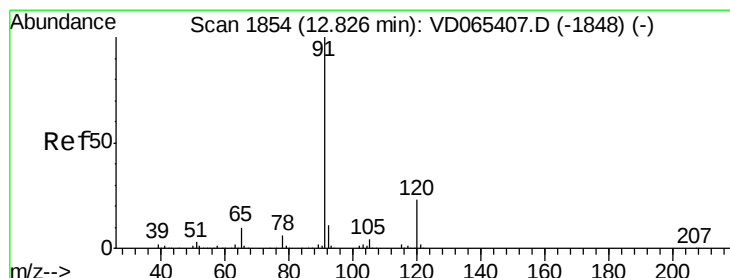
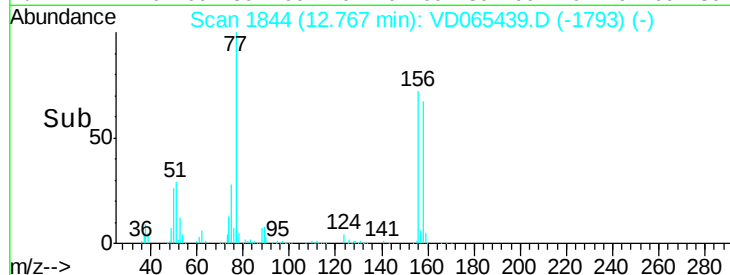
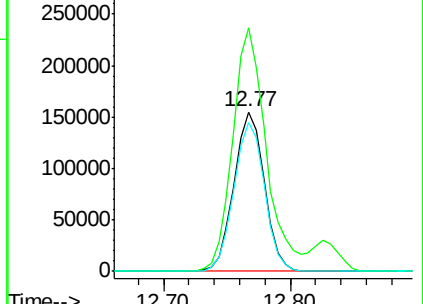
MMDadoda
3/6/2020 11:17:35 AM



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: 51.256 ug/l

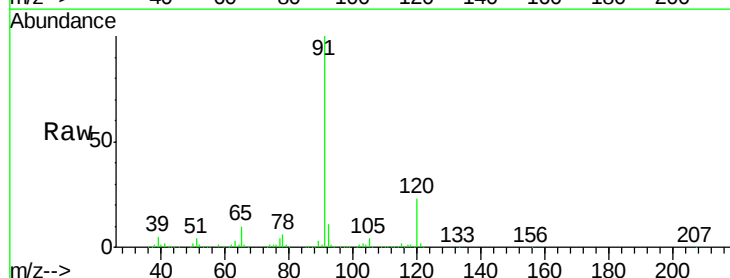
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065439.D

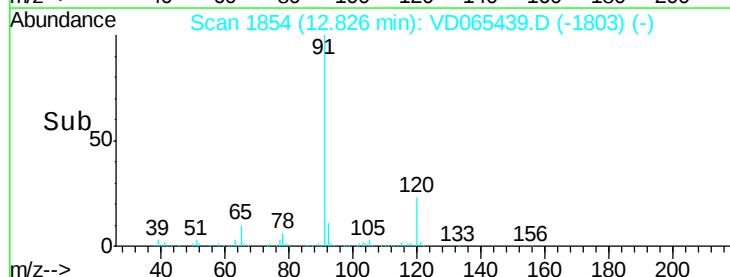
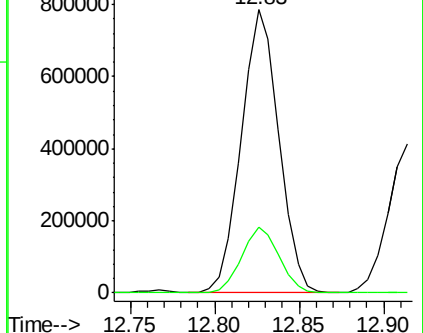
Acq: 05 Mar 2020 18:59

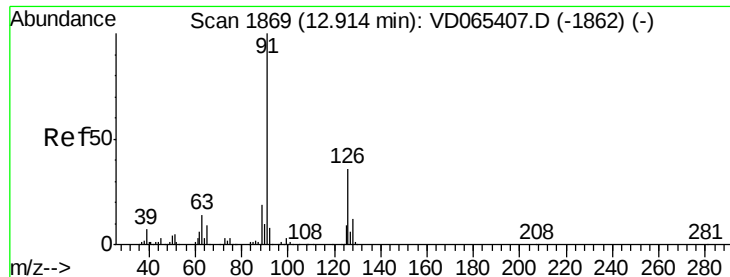
Tgt Ion:	91	Resp:	1213196
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.350 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 671651

Ion Ratio Lower Upper

91 100

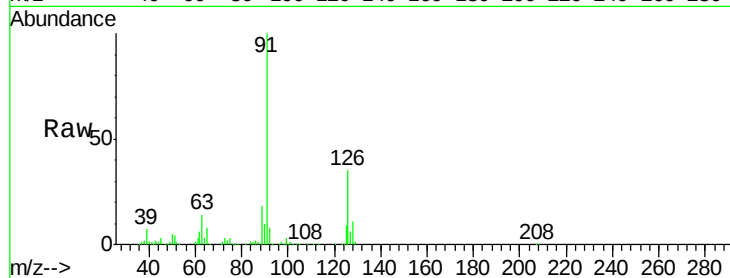
126 35.5 17.9 53.8

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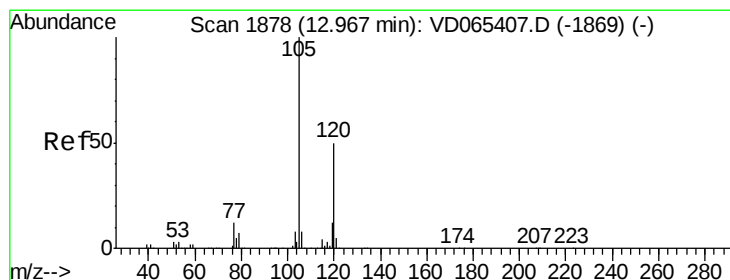
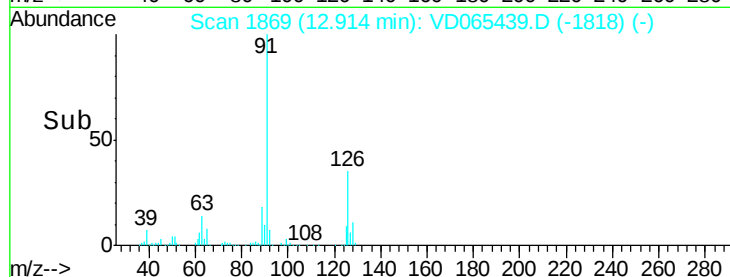
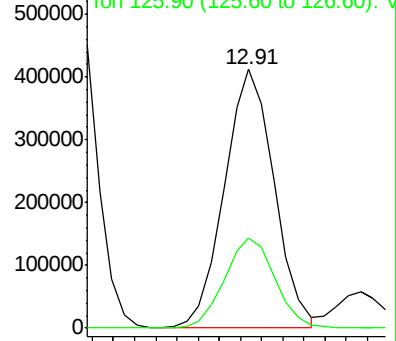
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Abundance Ion 91.00 (90.70 to 91.70): VD065407.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.204 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065439.D

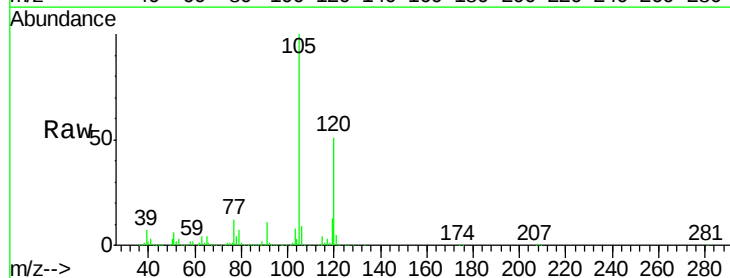
Acq: 05 Mar 2020 18:59

Tgt Ion: 105 Resp: 839755

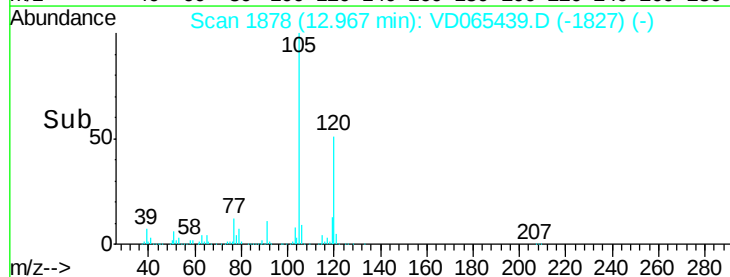
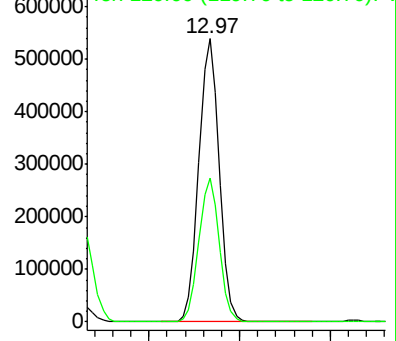
Ion Ratio Lower Upper

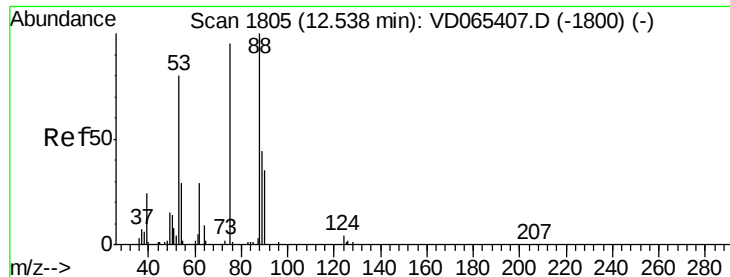
105 100

120 50.7 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065407.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.685 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065439.D

Acq: 05 Mar 2020 18:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 57480

Ion Ratio Lower Upper

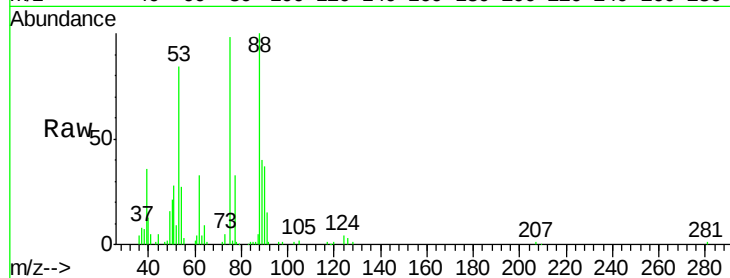
75 100

53 94.0 71.3 106.9

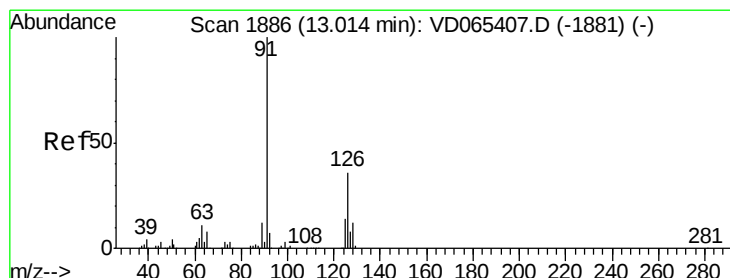
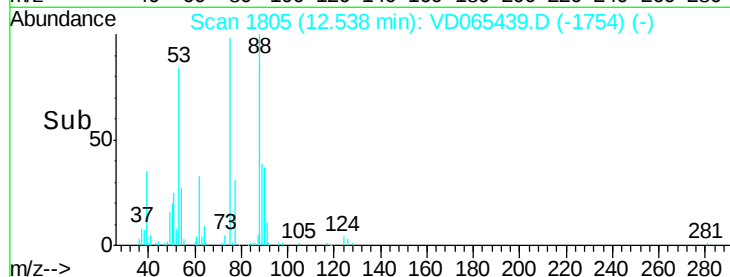
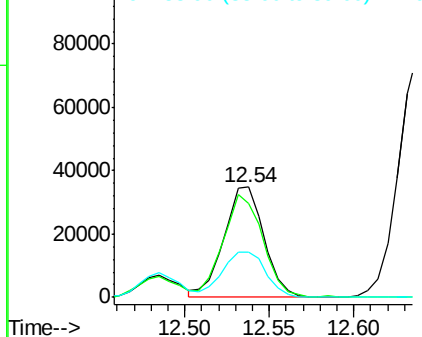
89 44.3 37.0 55.6

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Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.196 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD065439.D

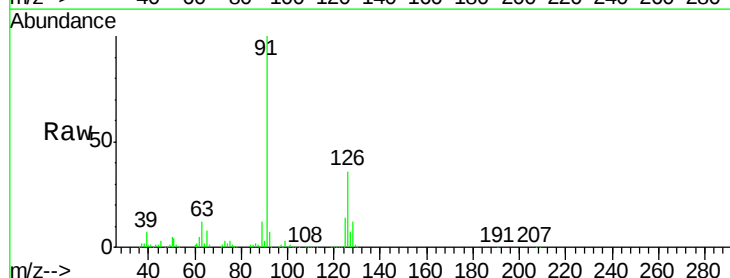
Acq: 05 Mar 2020 18:59

Tgt Ion: 91 Resp: 717651

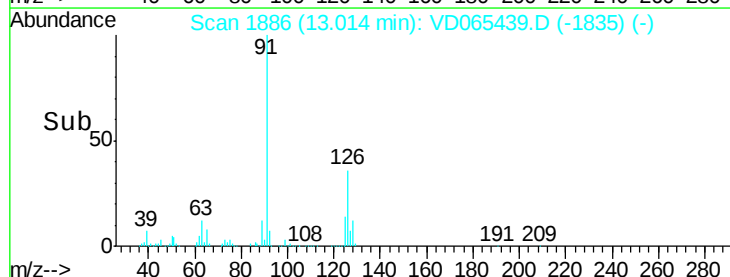
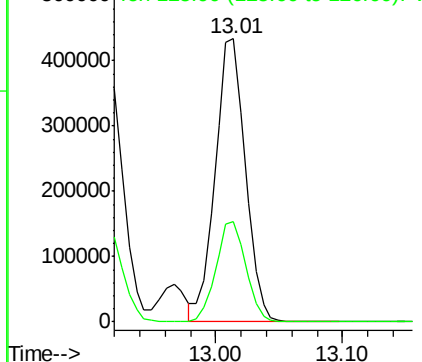
Ion Ratio Lower Upper

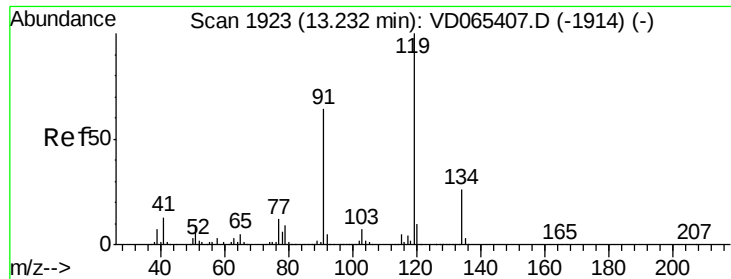
91 100

126 35.2 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





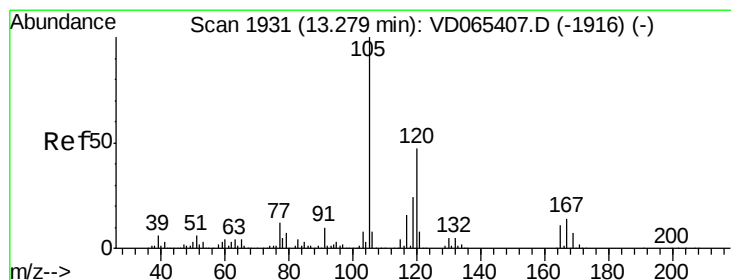
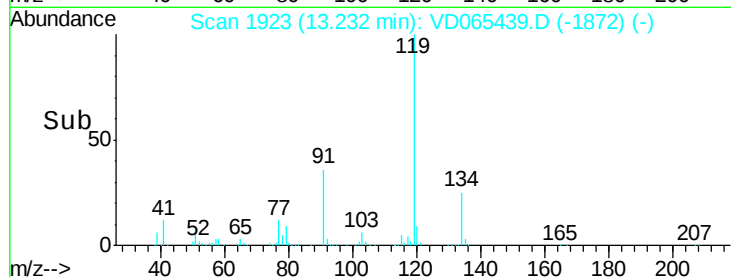
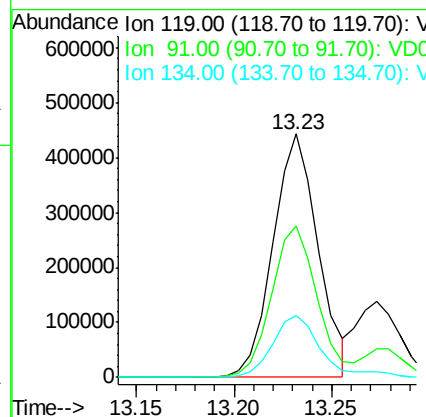
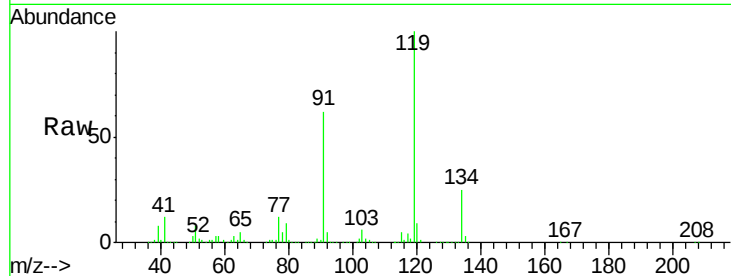
#83
tert-Butylbenzene
Concen: 50.955 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	31.6	95.0
134	27.4	14.2	42.8

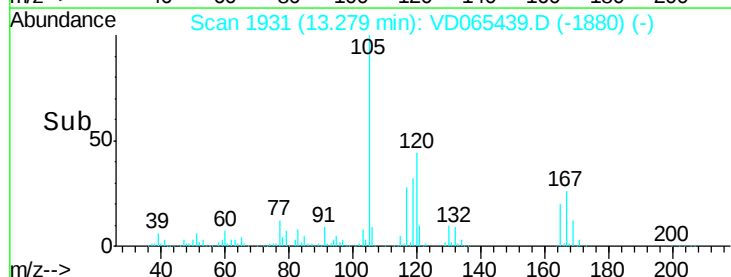
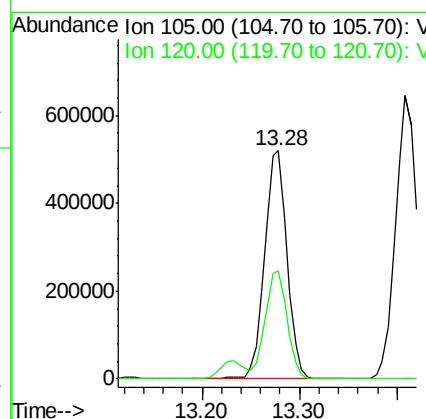
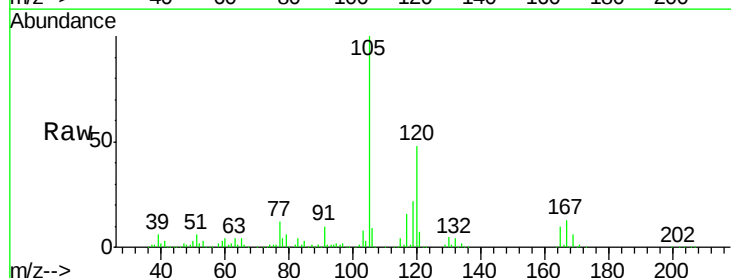
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#84
1,2,4-Trimethylbenzene
Concen: 52.086 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.3





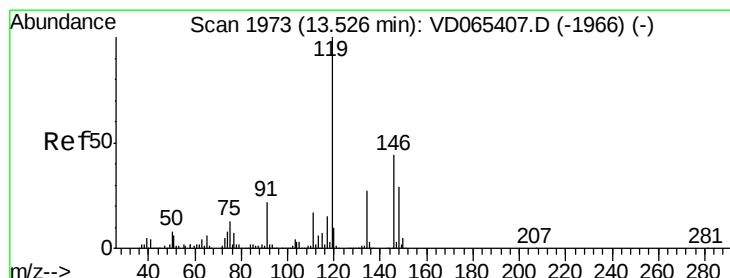
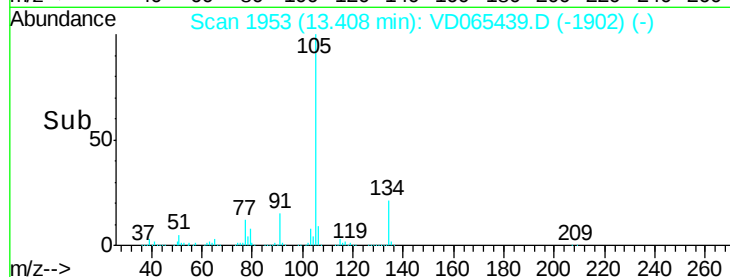
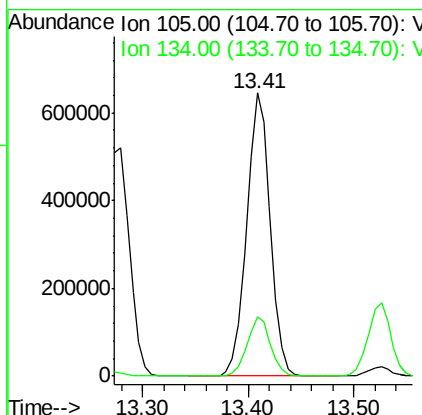
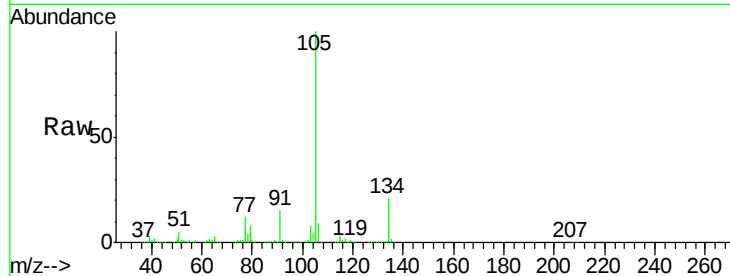
#85
 sec-Butylbenzene
 Concen: 50.225 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.3	30.9

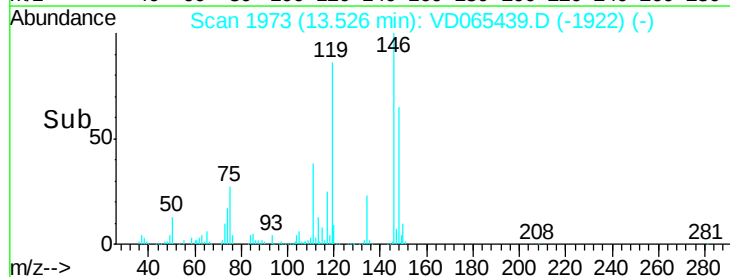
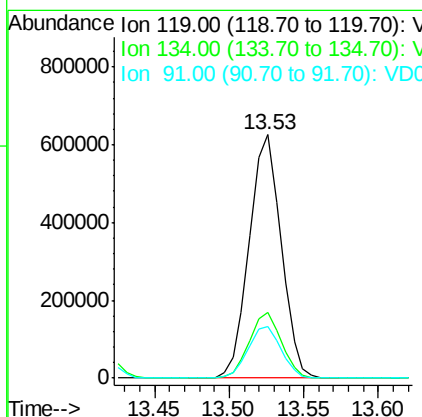
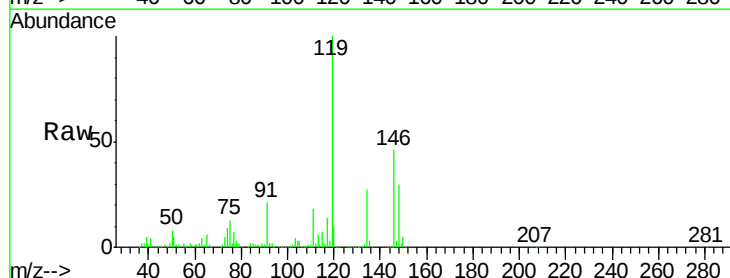
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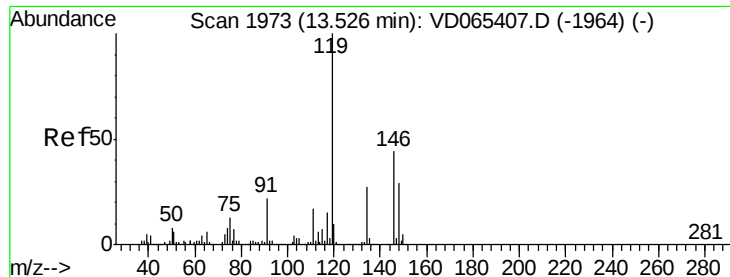
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#86
 p-Isopropyltoluene
 Concen: 51.183 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.3	39.9
91	21.7	10.9	32.6





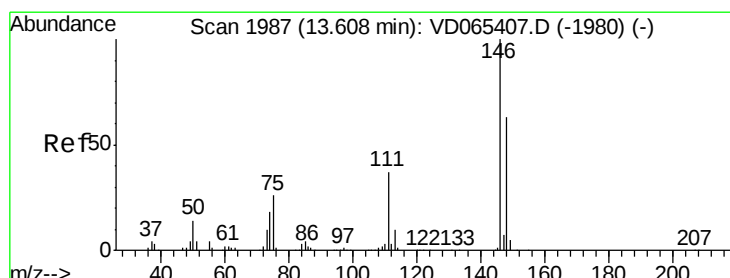
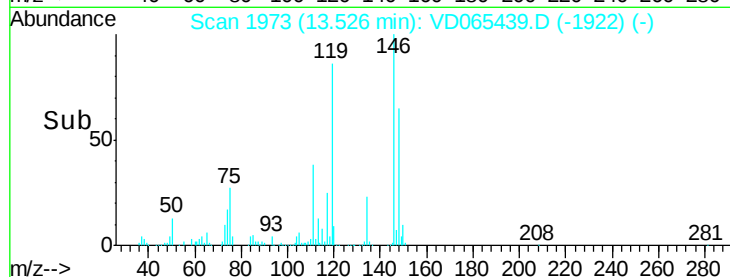
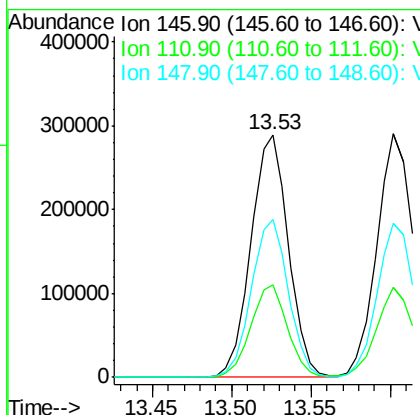
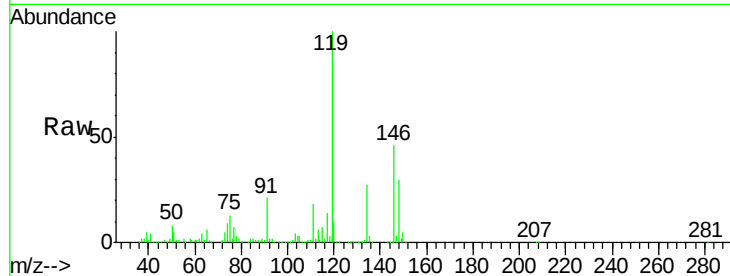
#87
 1,3-Dichlorobenzene
 Concen: 49.821 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	64.4	32.3	96.8

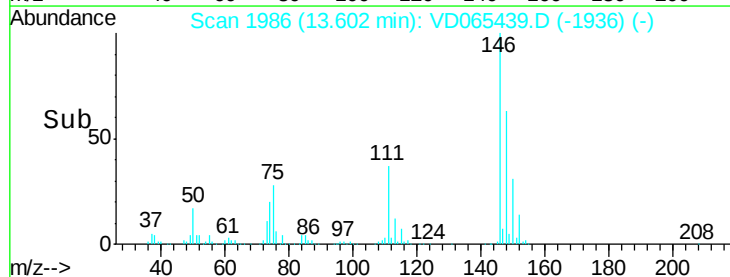
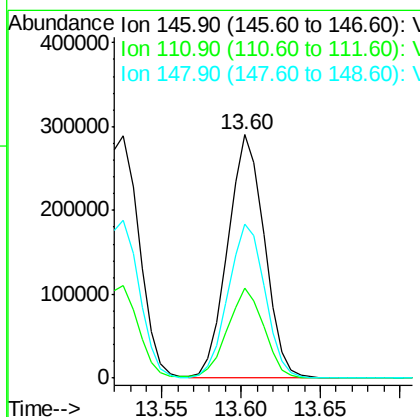
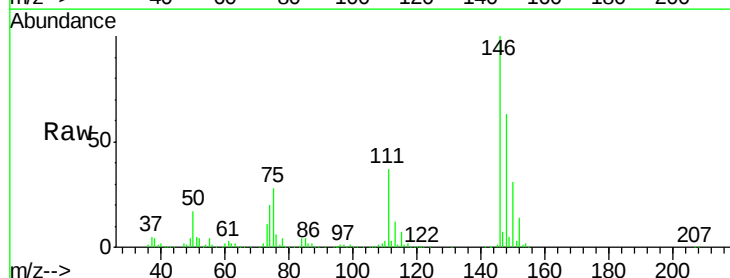
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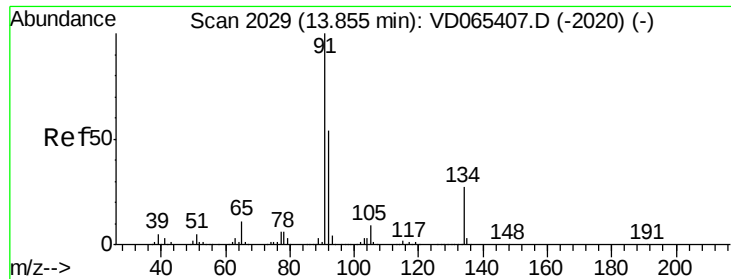
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#88
 1,4-Dichlorobenzene
 Concen: 49.079 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.01 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.5	55.5
148	63.8	32.0	96.0





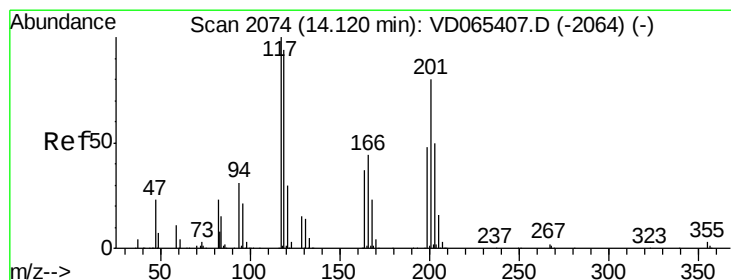
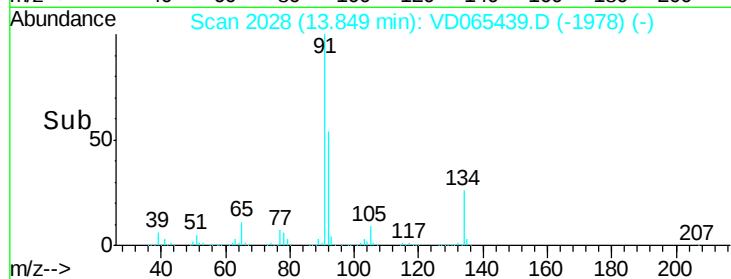
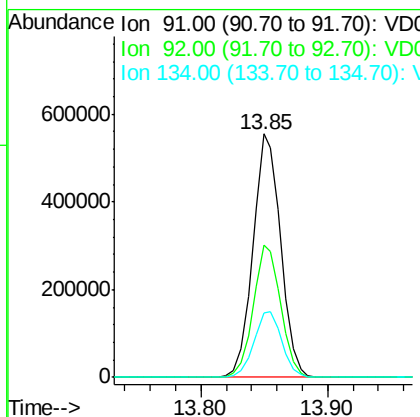
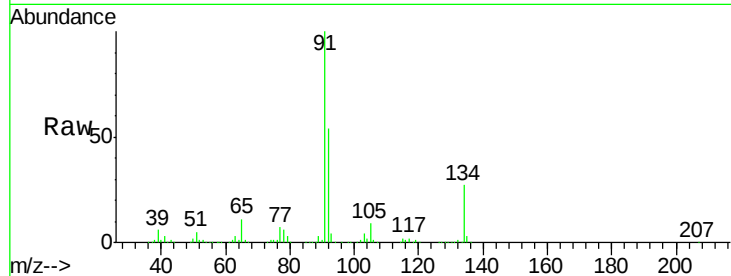
#89
n-Butylbenzene
Concen: 50.422 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.8	80.4
134	27.2	13.4	40.2

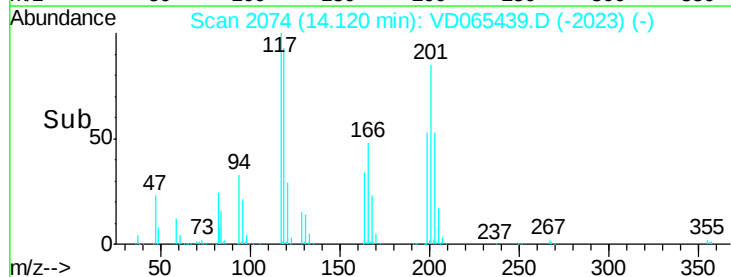
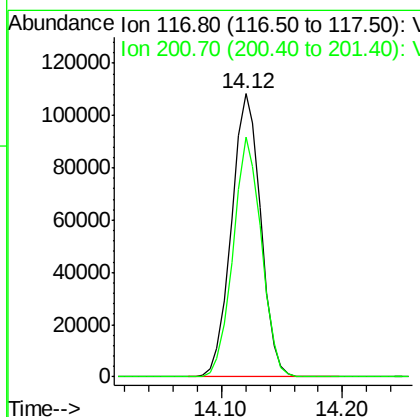
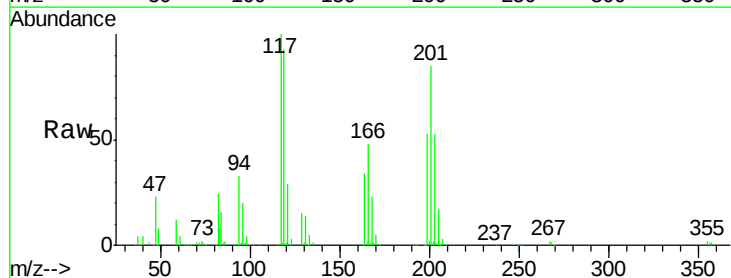
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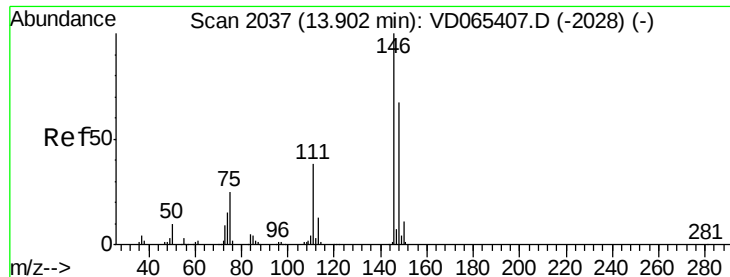
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#90
Hexachloroethane
Concen: 49.020 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	41.9	125.6





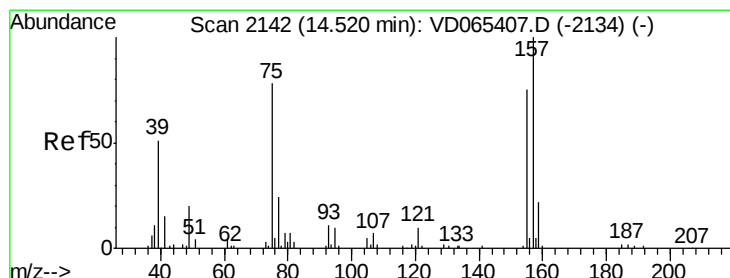
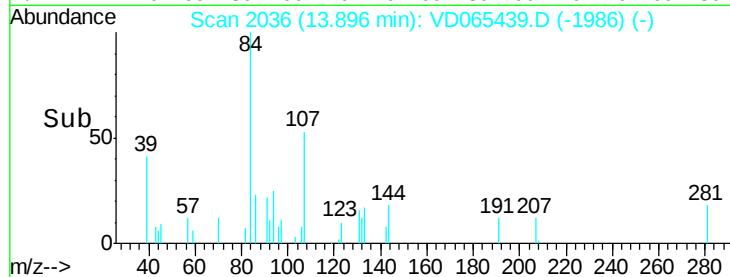
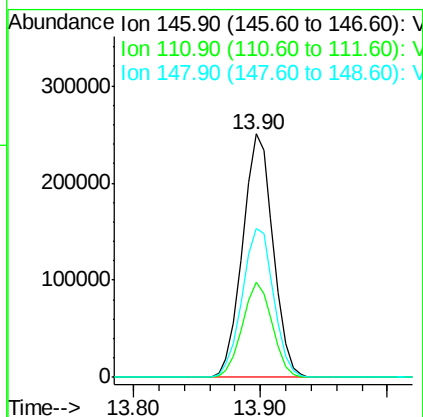
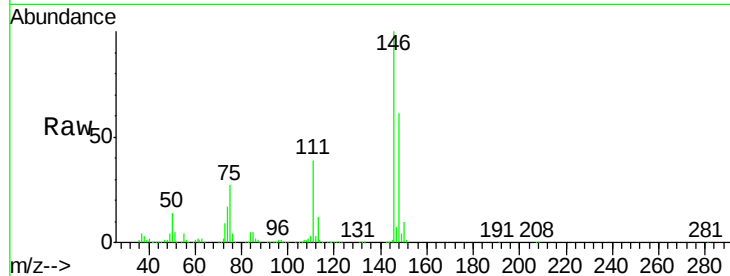
#91
1,2-Dichlorobenzene
Concen: 51.481 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. -0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.8	59.3
148	63.2	32.6	97.8

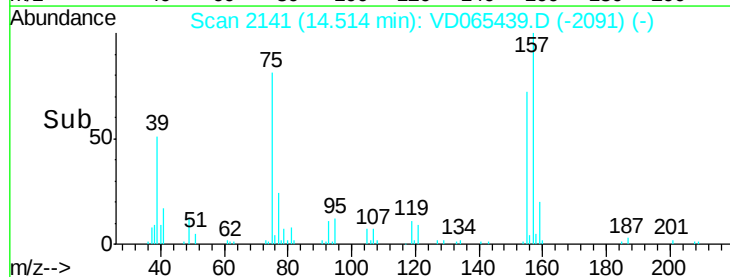
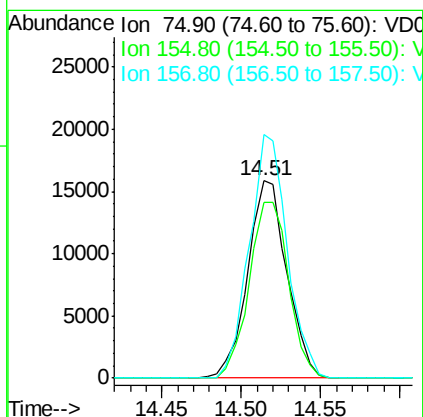
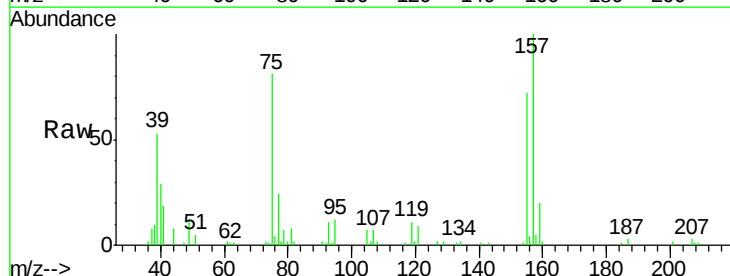
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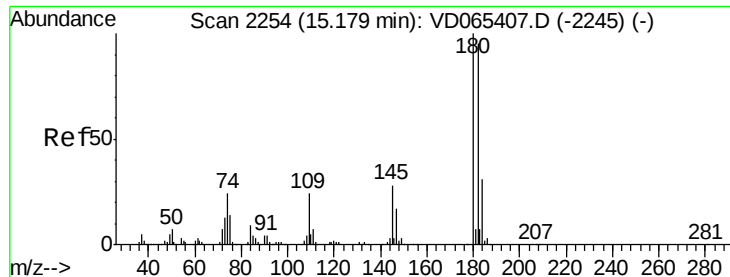
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#92
1,2-Dibromo-3-Chloropropane
Concen: 51.040 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. -0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	46.4	139.1
157	119.9	60.2	180.4





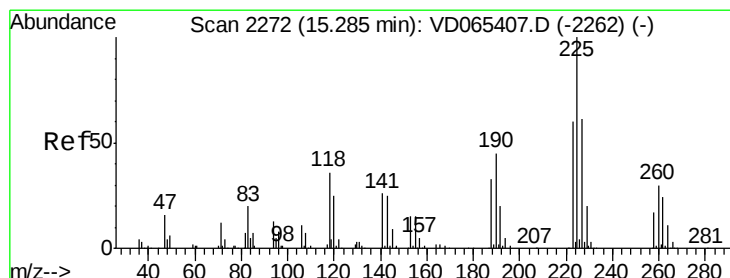
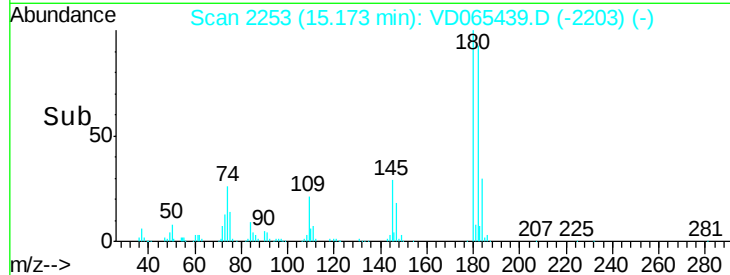
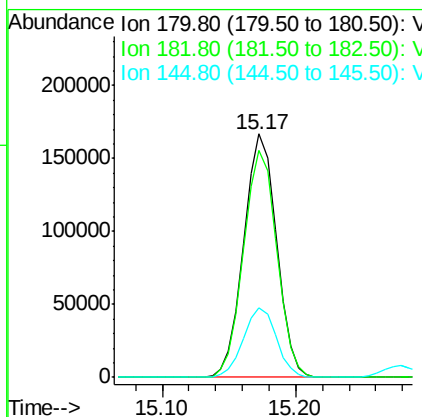
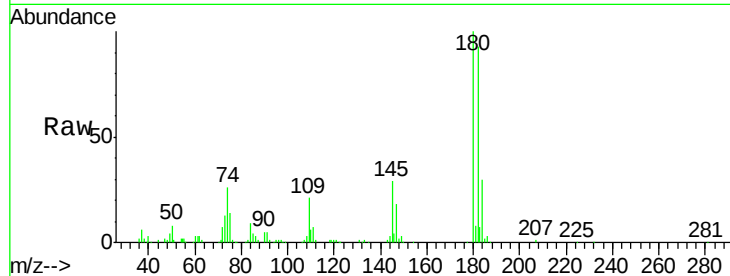
#93
 1,2,4-Trichlorobenzene
 Concen: 51.527 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	283188		
182	94.3	48.3	144.9	
145	28.8	14.4	43.4	

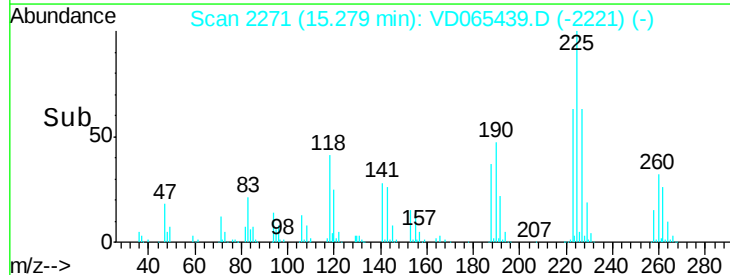
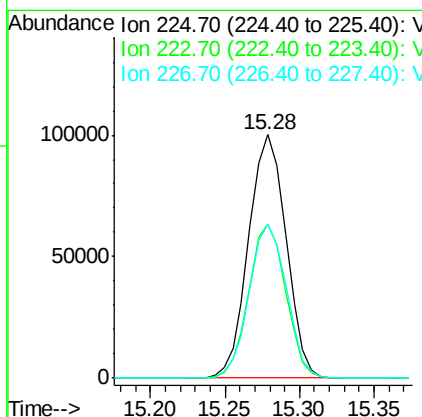
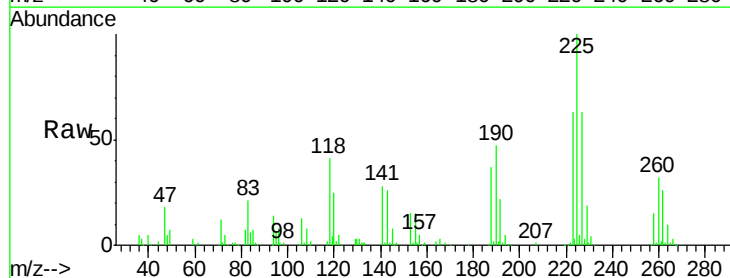
Manual Integrations
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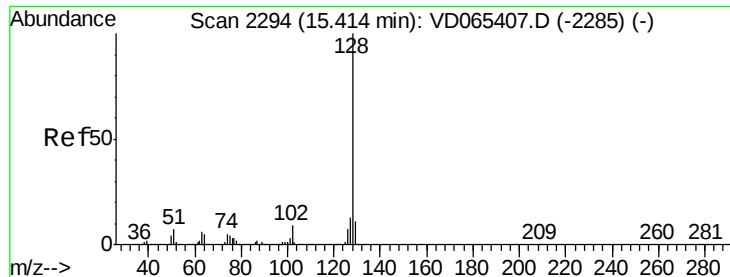
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#94
 Hexachlorobutadiene
 Concen: 48.247 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD065439.D
 Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	174232		
223	62.2	30.9	92.5	
227	62.8	31.6	94.7	





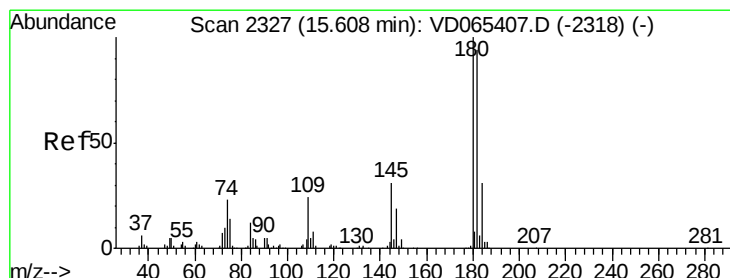
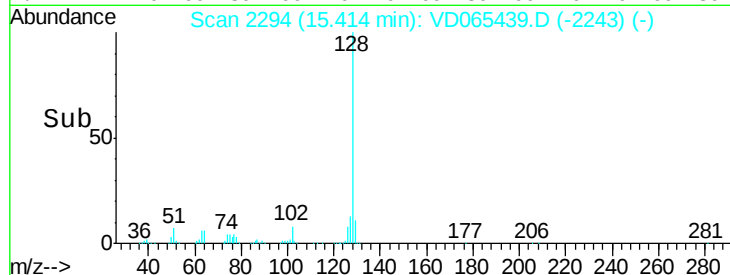
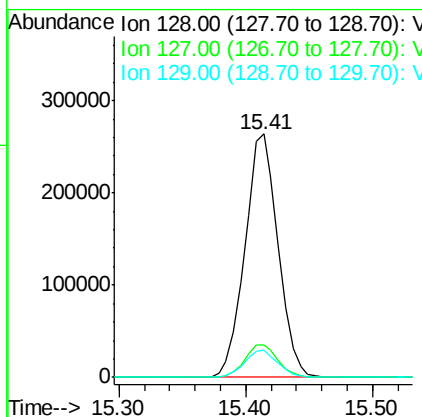
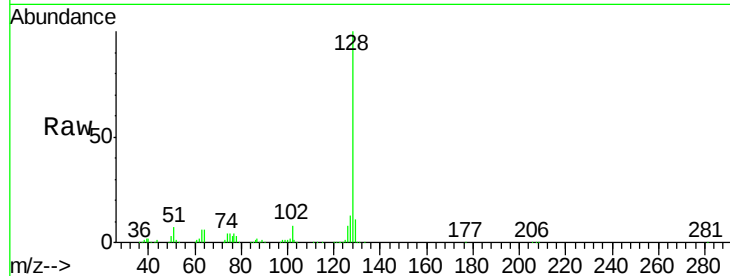
#95
Naphthalene
Concen: 48.980 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	16.0
129	11.2	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.125 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD065439.D
Acq: 05 Mar 2020 18:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.9	140.6
145	30.3	15.0	45.1

