

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065421.D
 Acq On : 04 Mar 2020 20:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:21 PM

Quant Time: Mar 05 02:29:36 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	460641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	677905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303774	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	203720	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
35) Dibromofluoromethane	7.91	113	215525	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	10.34	98	850356	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
62) 4-Bromofluorobenzene	12.64	95	266932	53.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	183830	46.435	ug/l	100
3) Chloromethane	2.21	50	226346	47.356	ug/l	99
4) Vinyl Chloride	2.35	62	227717	48.303	ug/l	99
5) Bromomethane	2.77	94	144137	55.047	ug/l	98
6) Chloroethane	2.92	64	140420	48.633	ug/l	99
7) Trichlorofluoromethane	3.27	101	340016	48.947	ug/l	98
8) Diethyl Ether	3.70	74	107722	52.146	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	222811	49.802	ug/l	98
10) Methyl Iodide	4.29	142	264712	56.952	ug/l	98
11) Tert butyl alcohol	5.24	59	57968	255.761	ug/l	97
12) 1,1-Dichloroethene	4.06	96	211701	49.416	ug/l	99
13) Acrolein	3.92	56	90173	230.690	ug/l	100
14) Allyl chloride	4.71	41	340647	51.762	ug/l	99
15) Acrylonitrile	5.43	53	237214	263.952	ug/l	99
16) Acetone	4.16	43	183926	230.158	ug/l	97
17) Carbon Disulfide	4.40	76	716595	50.229	ug/l	100
18) Methyl Acetate	4.72	43	106619	52.597	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	456429	55.402	ug/l	99
20) Methylene Chloride	4.96	84	237684	55.124	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	248218	52.085	ug/l	97
22) Diisopropyl ether	6.37	45	683472	55.868	ug/l	97
23) Vinyl Acetate	6.31	43	1938268	285.343	ug/l	99
24) 1,1-Dichloroethane	6.26	63	408685	52.082	ug/l	98
25) 2-Butanone	7.22	43	282149	258.726	ug/l	98
26) 2,2-Dichloropropane	7.21	77	335897	48.984	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	261032	53.588	ug/l	98
28) Bromochloromethane	7.55	49	171012	54.472	ug/l	97
29) Tetrahydrofuran	7.57	42	193645	278.056	ug/l	99
30) Chloroform	7.71	83	414044	52.791	ug/l	98
31) Cyclohexane	7.99	56	381498	48.621	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	371601	51.270	ug/l	99
36) 1,1-Dichloropropene	8.11	75	334975	51.549	ug/l	99
37) Ethyl Acetate	7.30	43	131312	52.282	ug/l	98
38) Carbon Tetrachloride	8.10	117	333923	49.555	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	400003	50.966	ug/l	97
40) Benzene	8.36	78	945793	52.057	ug/l	100
41) Methacrylonitrile	7.53	41	66811	50.299	ug/l	94
42) 1,2-Dichloroethane	8.43	62	247938	52.260	ug/l	100
43) Isopropyl Acetate	8.46	43	247283	53.321	ug/l	99
44) Trichloroethene	9.11	130	262215	51.105	ug/l	97
45) 1,2-Dichloropropane	9.39	63	230150	52.295	ug/l	98
46) Dibromomethane	9.48	93	119949	52.544	ug/l	96
47) Bromodichloromethane	9.67	83	313782	52.835	ug/l	97
48) Methyl methacrylate	9.46	41	118429	54.289	ug/l	99
49) 1,4-Dioxane	9.47	88	29244	1119.933	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	645808	276.728	ug/l	100
52) Toluene	10.41	92	610991	53.382	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	299026	53.879	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	362883	54.018	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	169300	52.362	ug/l	99
56) Ethyl methacrylate	10.67	69	207785	57.005	ug/l	98
57) 1,3-Dichloropropane	10.95	76	289994	53.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	279071	245.010	ug/l	99
59) 2-Hexanone	10.99	43	437140	270.591	ug/l	99
60) Dibromochloromethane	11.14	129	219240	52.899	ug/l	99
61) 1,2-Dibromoethane	11.25	107	164158	53.228	ug/l	98
64) Tetrachloroethene	10.88	164	224703	50.991	ug/l	97
65) Chlorobenzene	11.67	112	630704	51.826	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	236931	53.456	ug/l	97
67) Ethyl Benzene	11.75	91	1119279	53.228	ug/l	99
68) m/p-Xylenes	11.86	106	876491	108.101	ug/l	99
69) o-Xylene	12.18	106	394640	55.332	ug/l	100
70) Styrene	12.20	104	688632	54.861	ug/l	100
71) Bromoform	12.37	173	131487	52.815	ug/l #	100
73) Isopropylbenzene	12.48	105	1059754	53.039	ug/l	100
74) N-amyl acetate	12.30	43	224315	54.838	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	182449	51.948	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	118957m	49.627	ug/l	
77) Bromobenzene	12.77	156	260526	52.481	ug/l	99
78) n-propylbenzene	12.83	91	1262090	53.237	ug/l	100
79) 2-Chlorotoluene	12.91	91	708211	53.006	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	878048	53.454	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	59097	52.028	ug/l	98
82) 4-Chlorotoluene	13.01	91	740223	52.722	ug/l	100
83) tert-Butylbenzene	13.23	119	737097	53.041	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	879878	54.341	ug/l	100
85) sec-Butylbenzene	13.41	105	1044772	52.669	ug/l	99
86) p-Isopropyltoluene	13.53	119	965078	53.317	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	491664	51.515	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	477942	50.343	ug/l	100
89) n-Butylbenzene	13.86	91	881630	52.684	ug/l	99
90) Hexachloroethane	14.12	117	189338	50.793	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	420301	51.749	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27295	51.030	ug/l	98

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Instrument :
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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)
93) 1,2,4-Trichlorobenzene	15.17	180	288206	52.356	ug/l	97
94) Hexachlorobutadiene	15.28	225	179689	49.679	ug/l	98
95) Naphthalene	15.41	128	479151	48.940	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	252260	53.031	ug/l	99

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

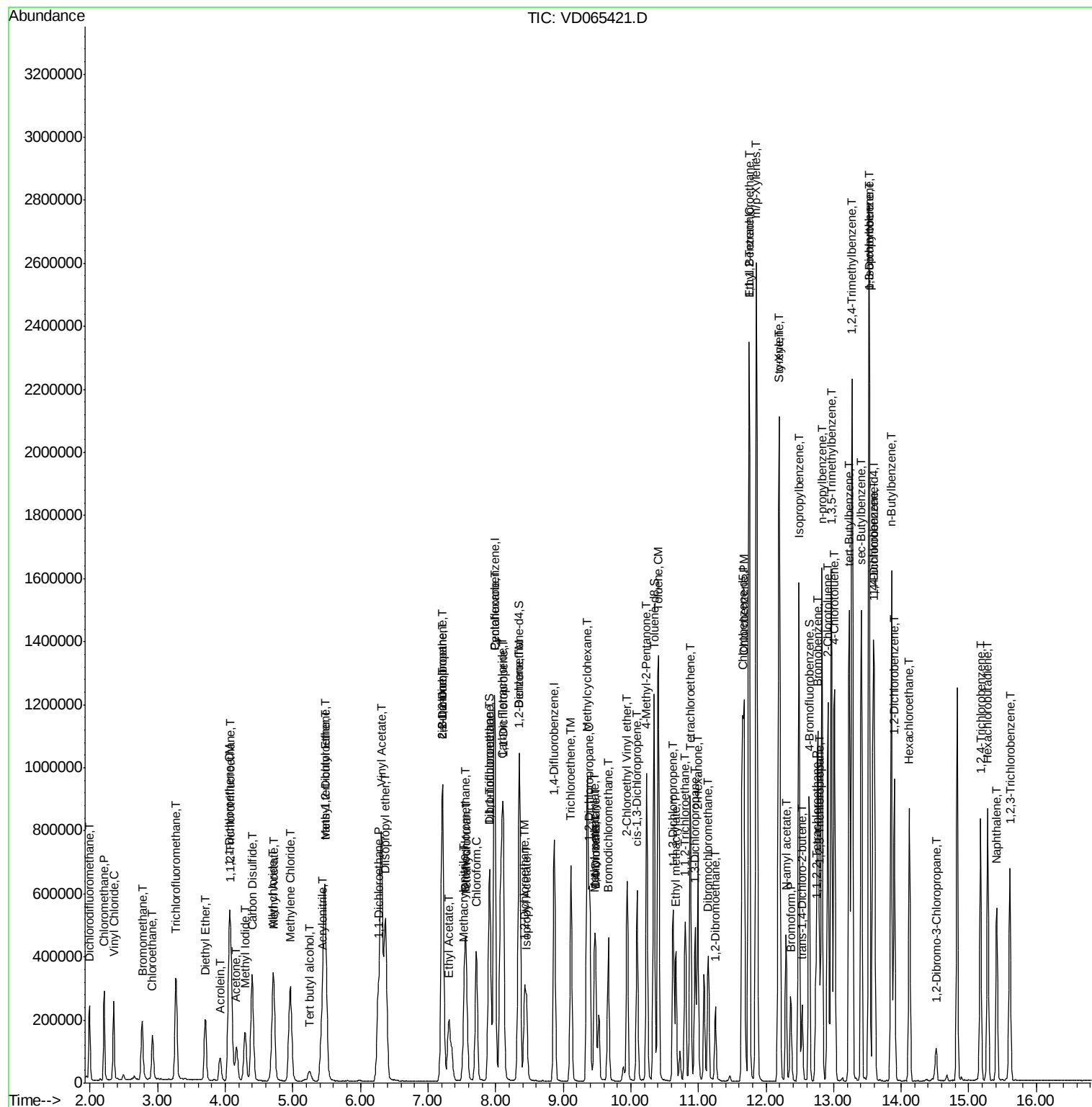
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030420\
Data File : VD065421.D
Acq On : 04 Mar 2020 20:06
Operator : VA/SY
Sample : VSTCCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 20 Sample Multiplier: 1

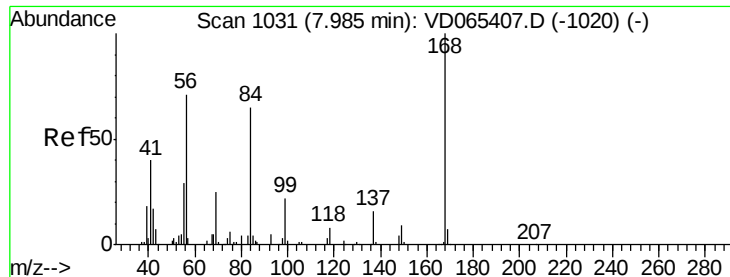
Instrument :
MSVOA_D
ClientSampleId :
VSTCCCC050EC

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 460641

Ion Ratio Lower Upper

168 100

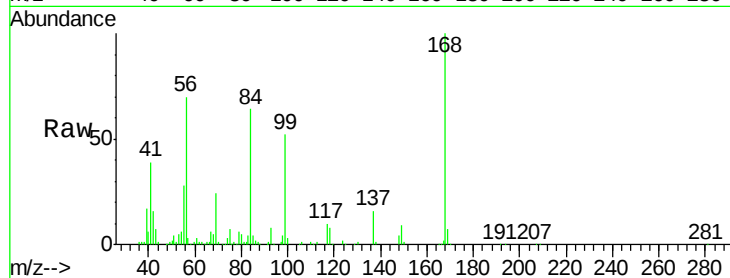
99 51.4 41.5 62.3

Manual Integrations

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3/5/2020 1:39:21 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

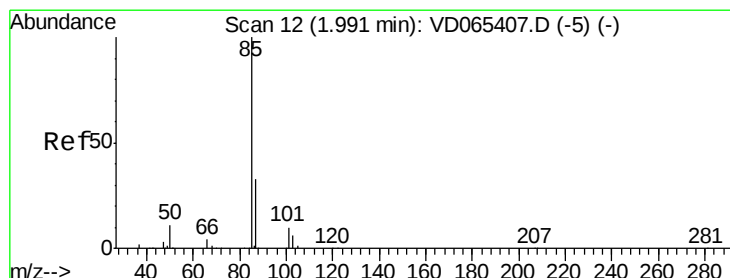
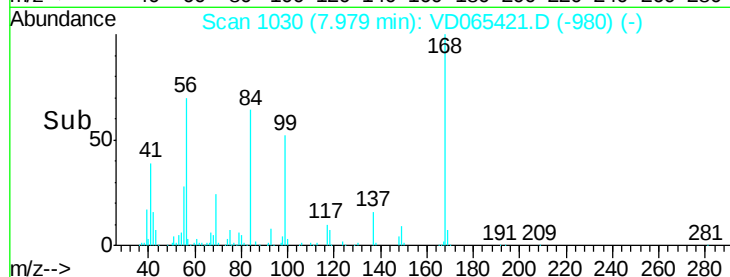
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.435 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065421.D

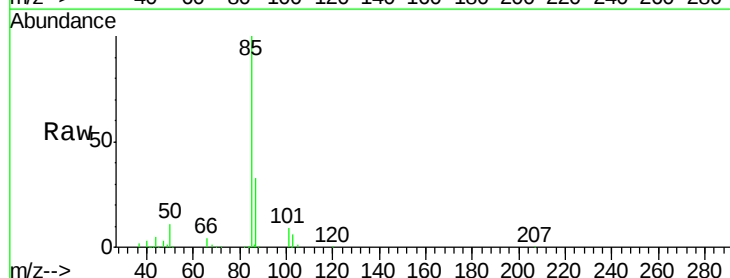
Acq: 04 Mar 2020 20:06

Tgt Ion: 85 Resp: 183830

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

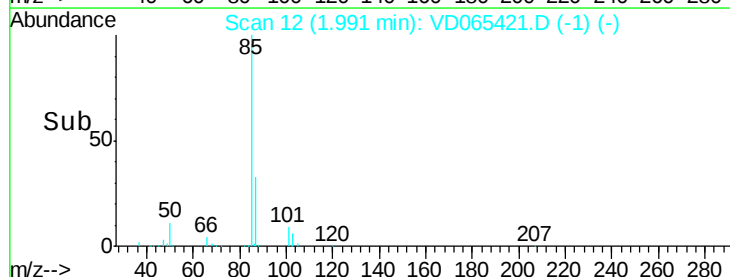
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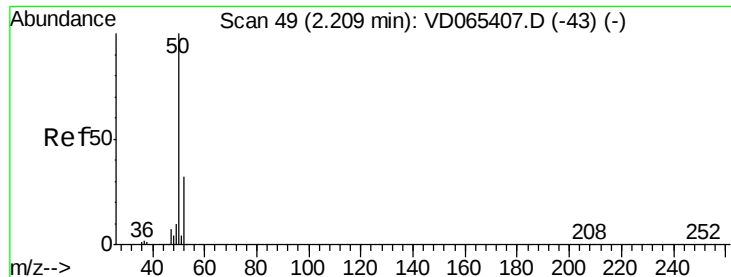
50000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 47.356 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 226346

Ion Ratio Lower Upper

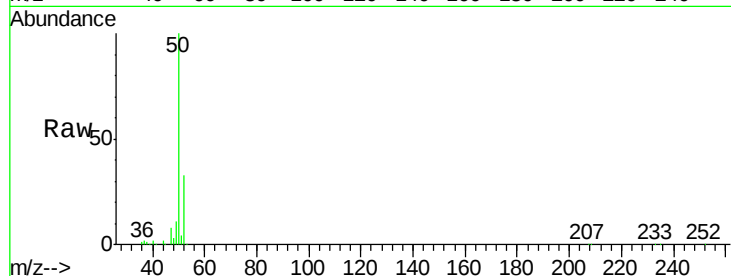
50 100

52 32.9 25.8 38.8

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

200000

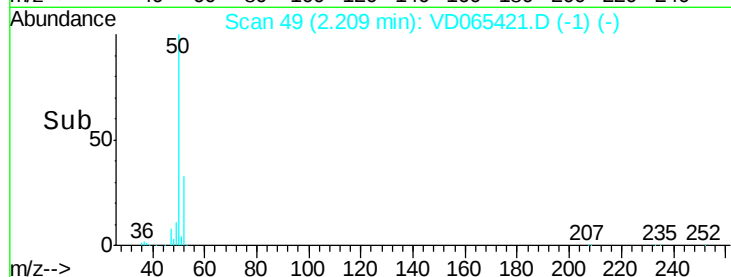
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100000

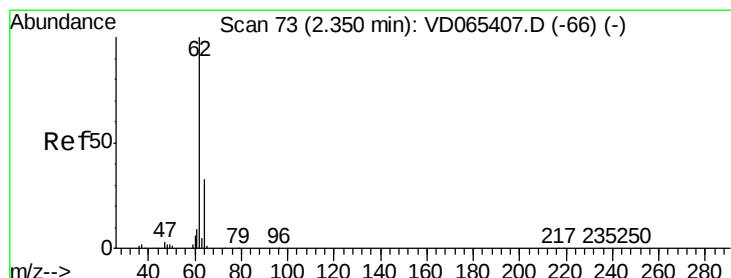
50000

0

Time-->



Time-->



#4

Vinyl Chloride

Concen: 48.303 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065421.D

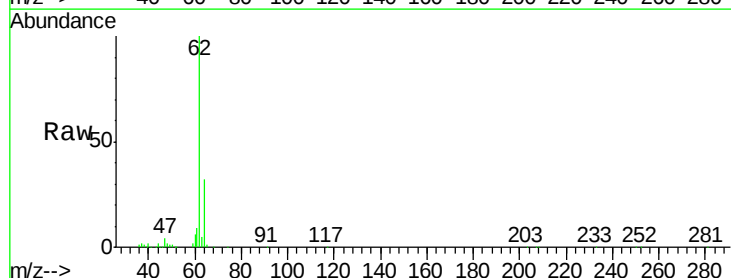
Acq: 04 Mar 2020 20:06

Tgt Ion: 62 Resp: 227717

Ion Ratio Lower Upper

62 100

64 32.4 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

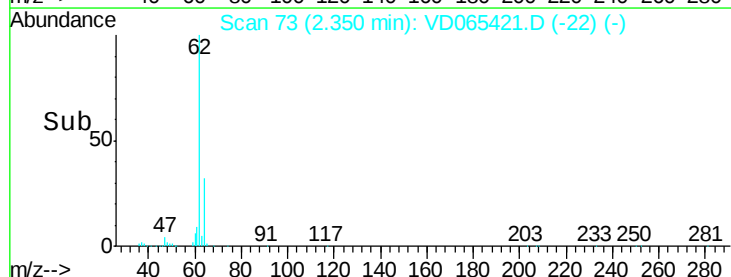
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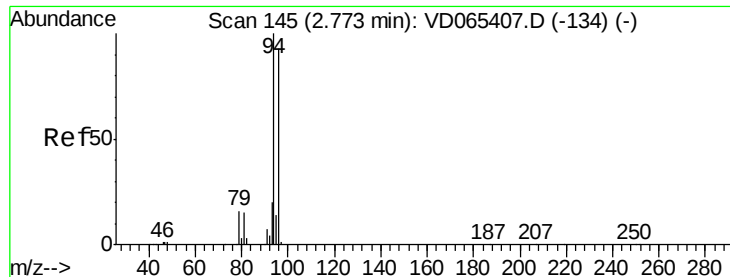
50000

0

Time-->



Time-->



#5

Bromomethane

Concen: 55.047 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 144137

Ion Ratio Lower Upper

94 100

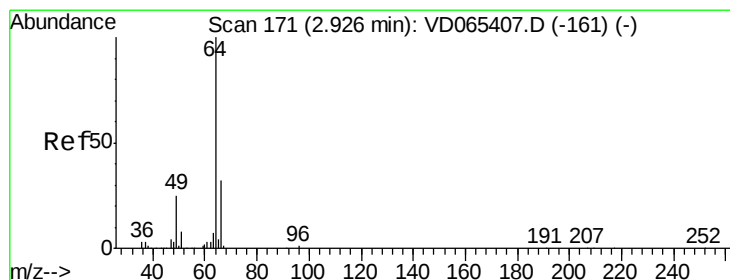
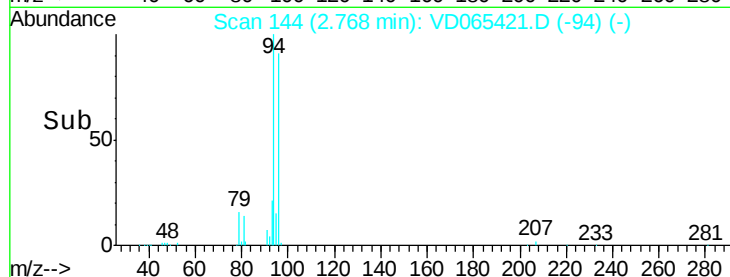
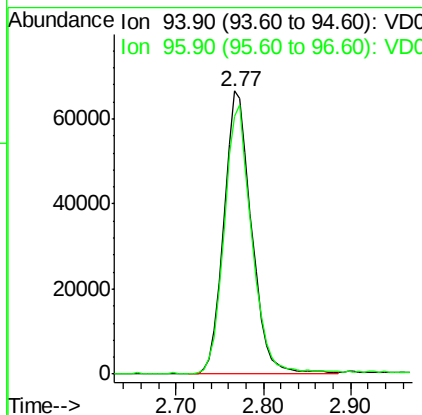
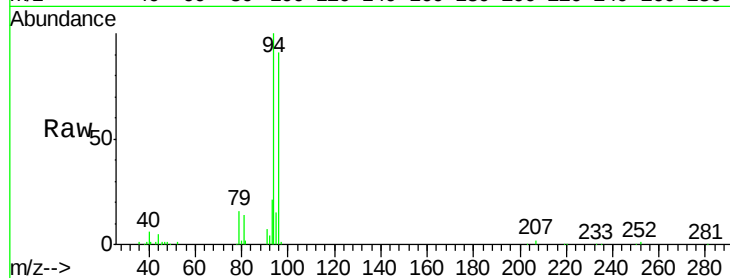
96 91.1 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 48.633 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065421.D

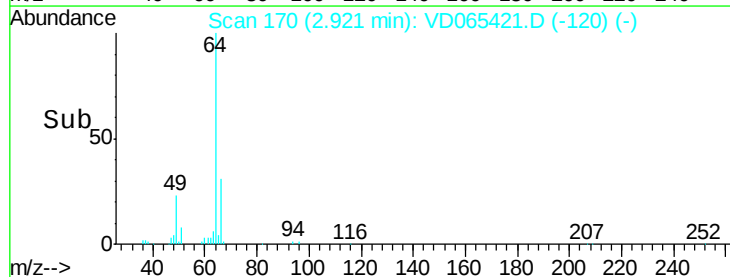
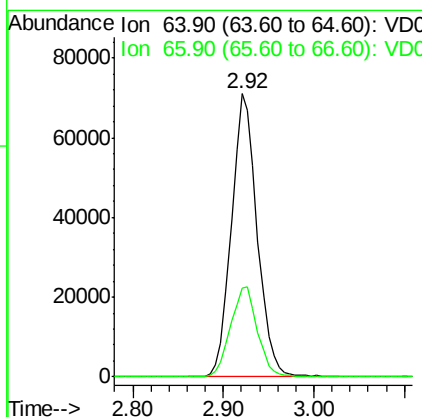
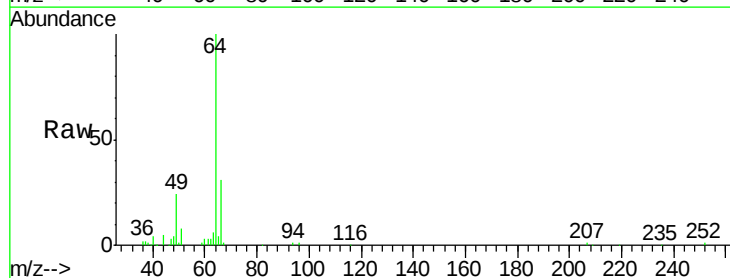
Acq: 04 Mar 2020 20:06

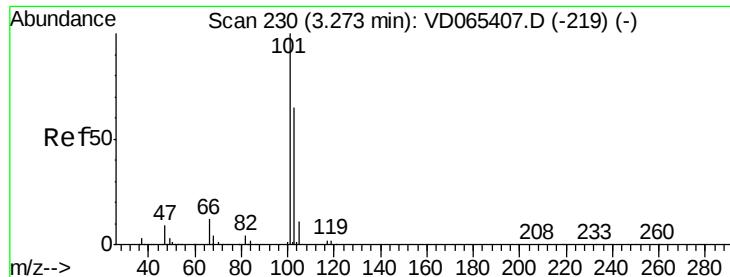
Tgt Ion: 64 Resp: 140420

Ion Ratio Lower Upper

64 100

66 31.3 25.6 38.4





#7

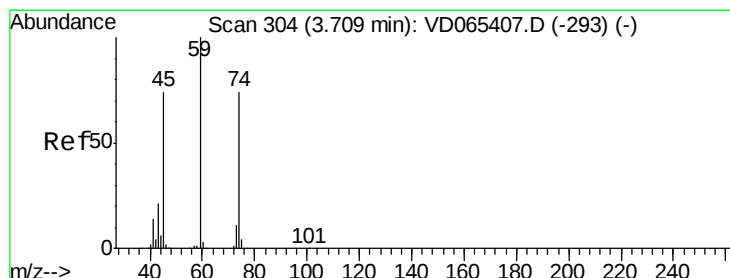
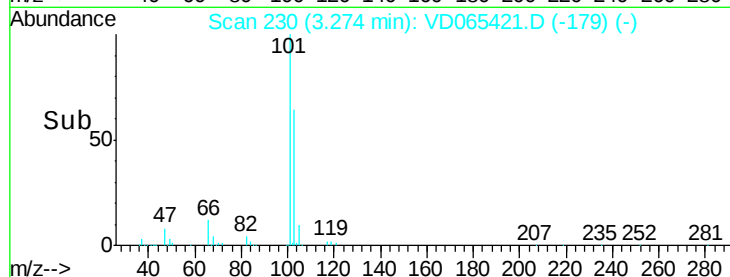
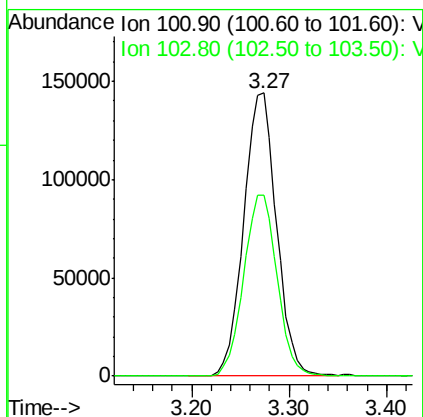
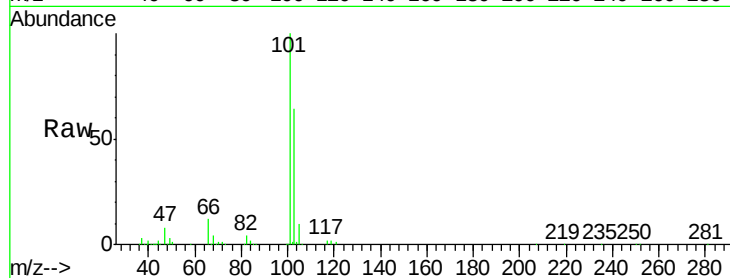
Trichlorofluoromethane
 Concen: 48.947 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.1	78.1

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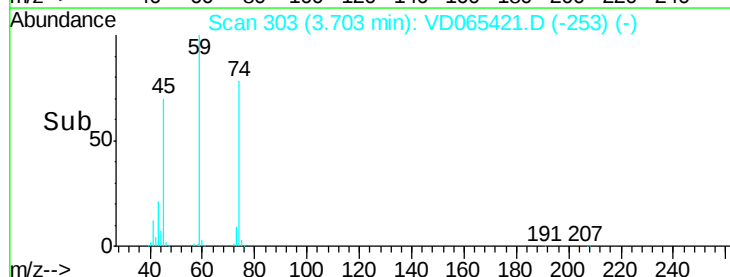
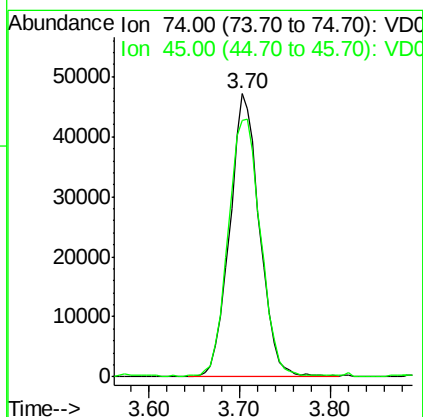
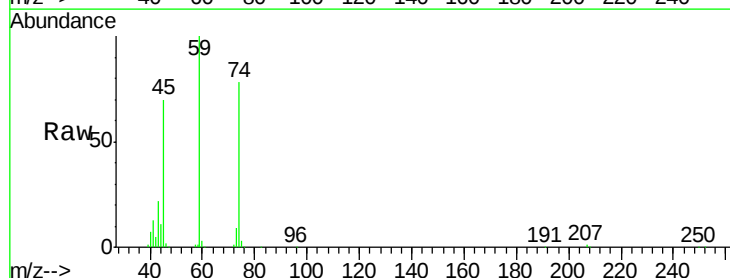
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 3/5/2020 1:39:21 PM

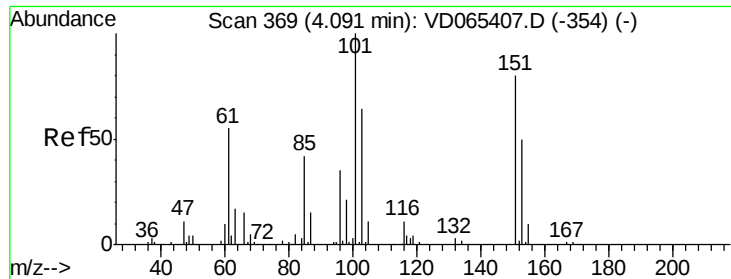


#8

Diethyl Ether
 Concen: 52.146 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.802 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

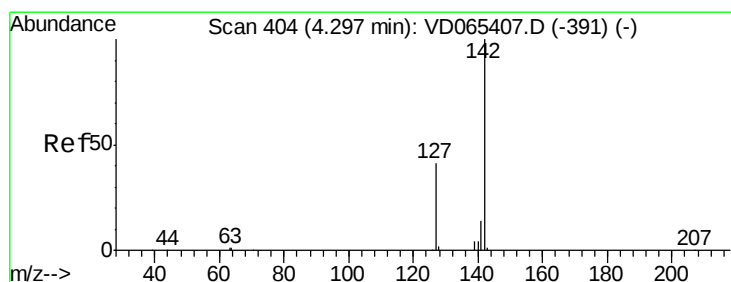
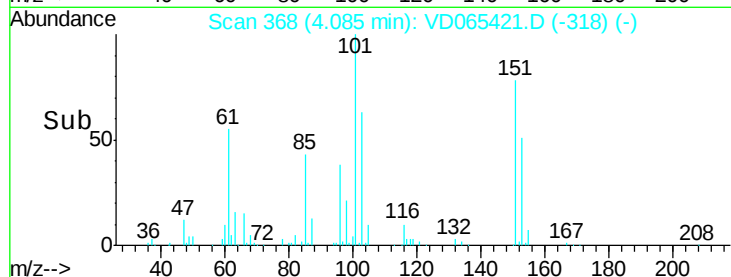
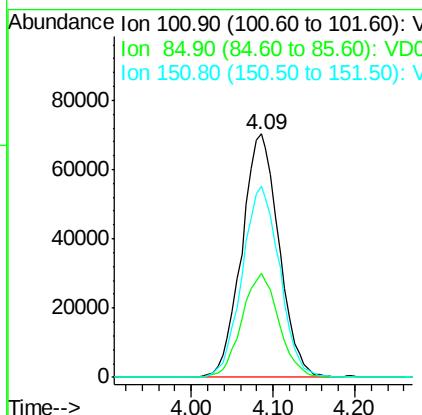
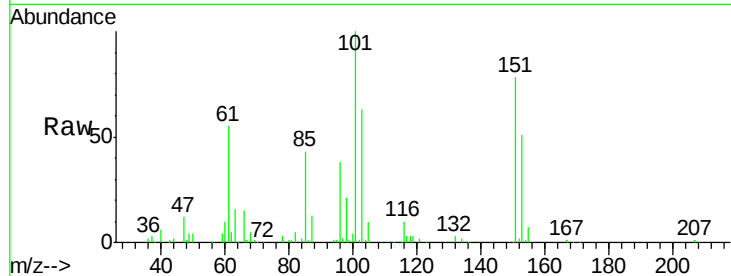
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	222811
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.2
151	79.0	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 56.952 ug/l

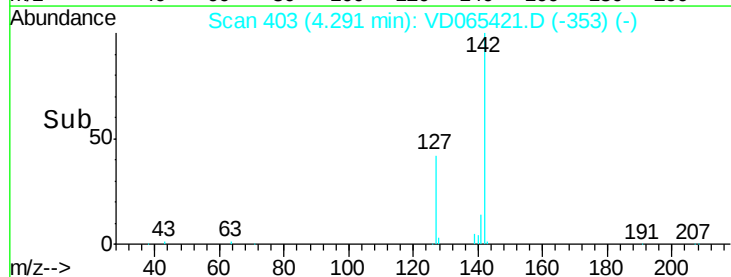
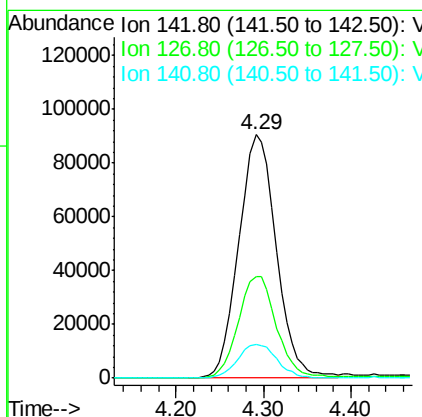
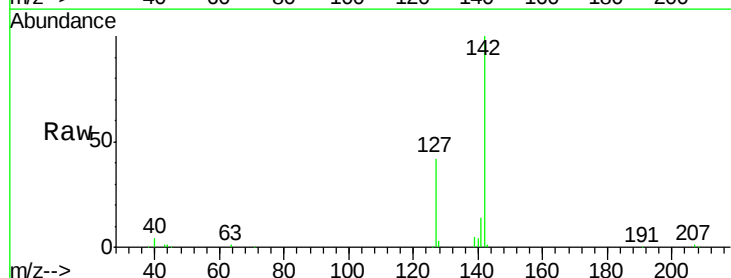
RT: 4.29 min Scan# 403

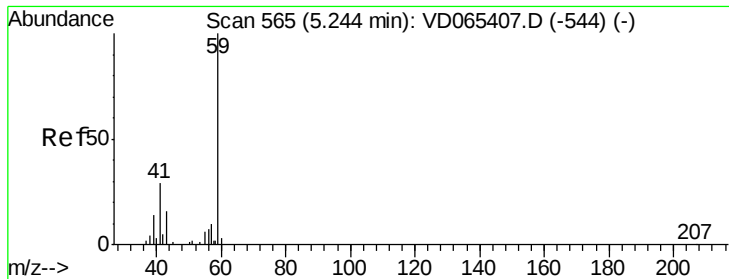
Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion:	142	Resp:	264712
Ion Ratio	Lower	Upper	
142	100		
127	42.8	35.0	52.6
141	14.6	12.4	18.6





#11

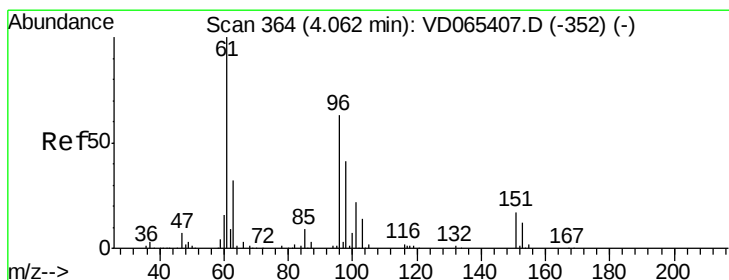
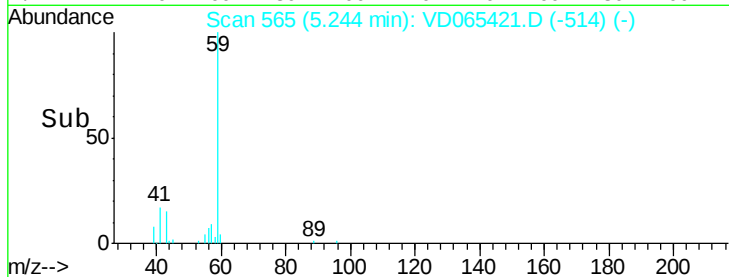
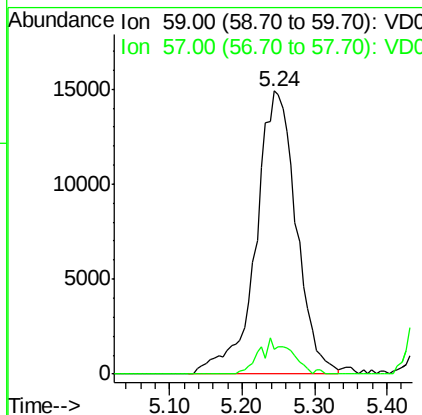
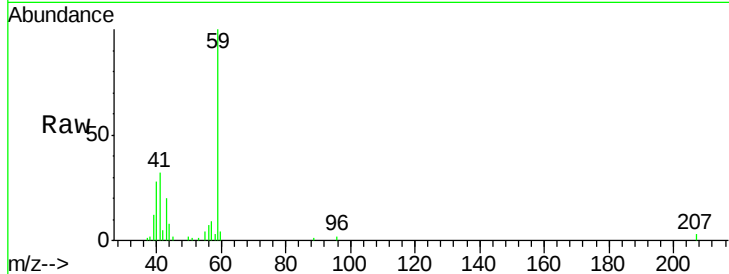
Tert butyl alcohol
 Concen: 255.761 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	57968		
57	9.6		6.9	10.3

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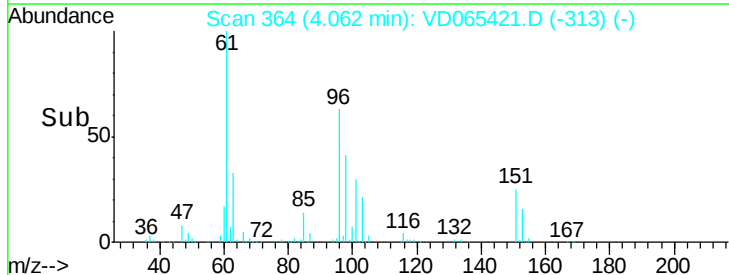
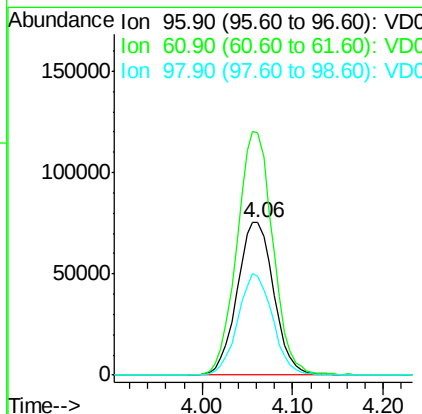
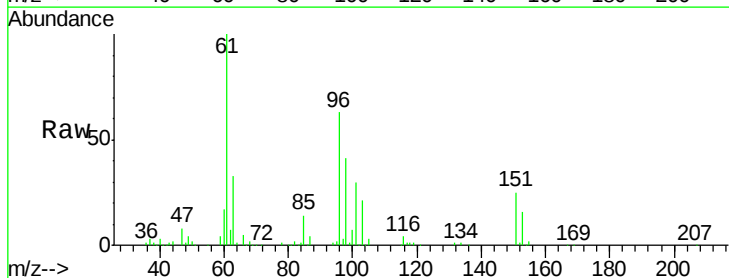
MMDadoda
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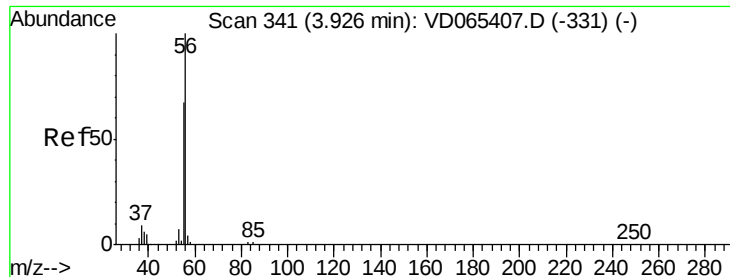


#12

1,1-Dichloroethene
 Concen: 49.416 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	211701		
61	158.9		128.0	192.0
98	64.5		51.9	77.9





#13

Acrolein

Concen: 230.690 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 90173

Ion Ratio Lower Upper

56 100

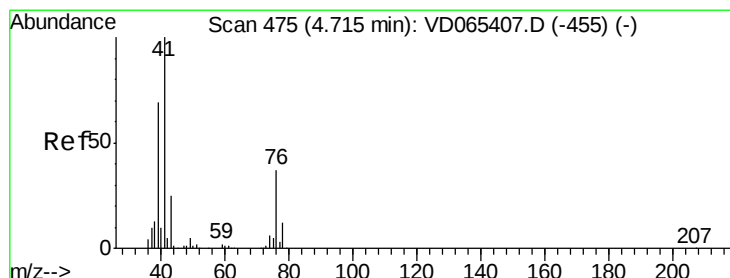
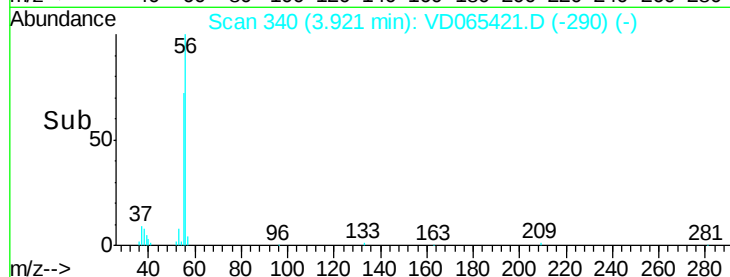
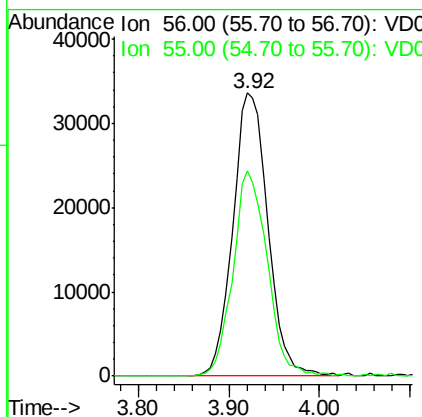
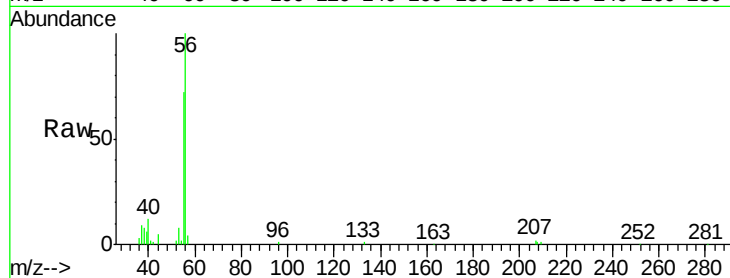
55 70.8 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 51.762 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

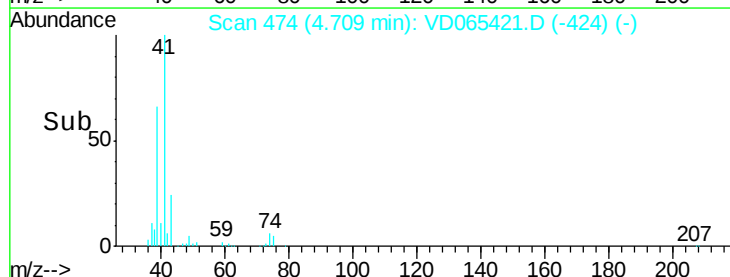
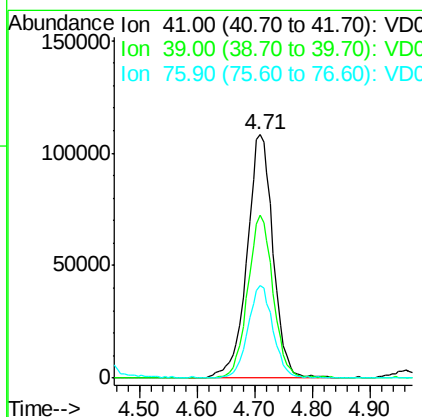
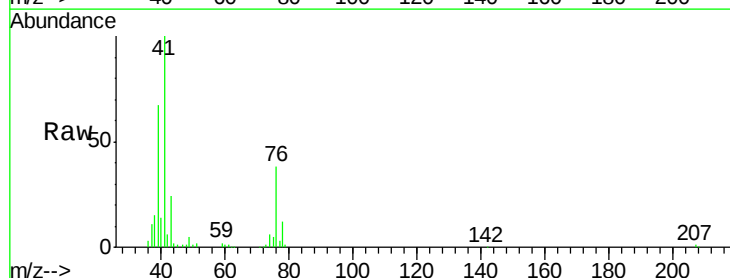
Tgt Ion: 41 Resp: 340647

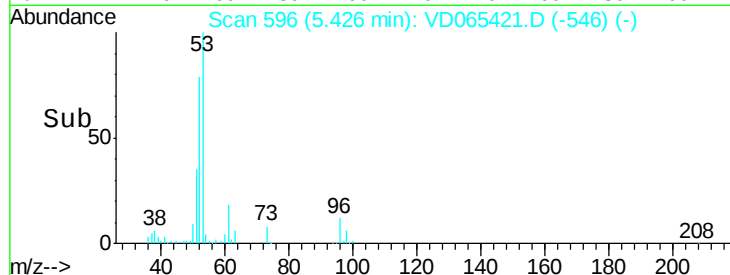
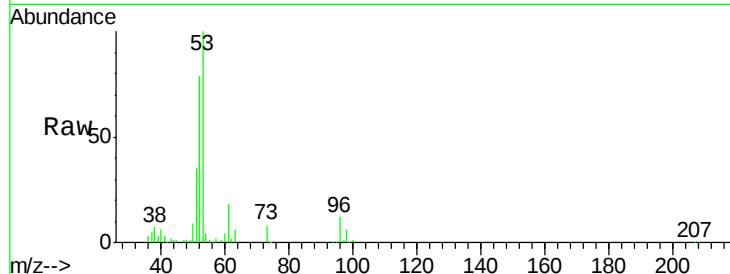
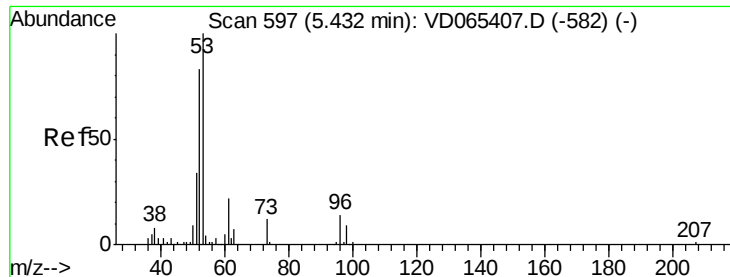
Ion Ratio Lower Upper

41 100

39 65.2 52.6 79.0

76 35.9 29.2 43.8





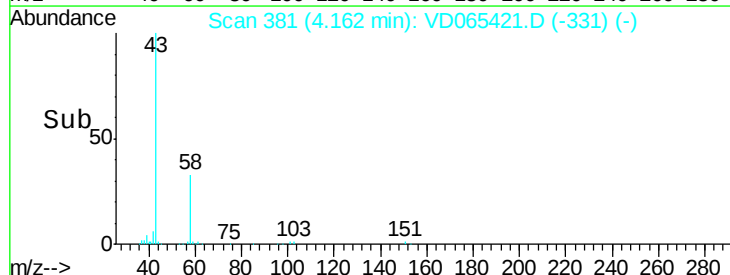
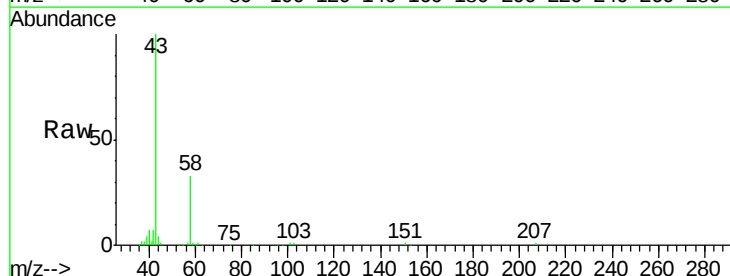
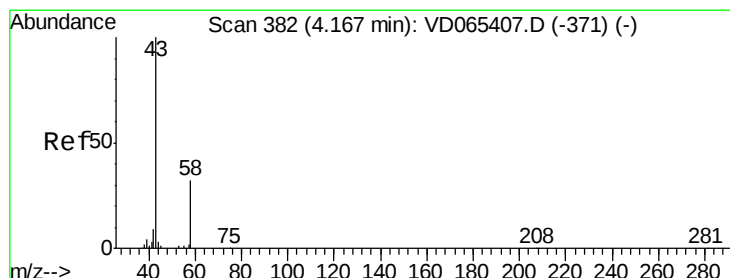
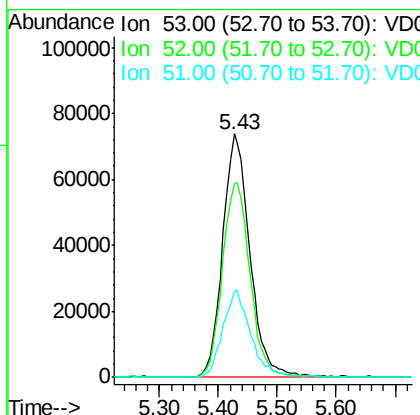
#15
Acrylonitrile
Concen: 263.952 ug/l
RT: 5.43 min Scan# 596
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tot Ion	53	Resp	237214
Ion Ratio	Lower	Upper	
53	100		
52	80.8	65.1	97.7
51	36.5	28.5	42.7

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

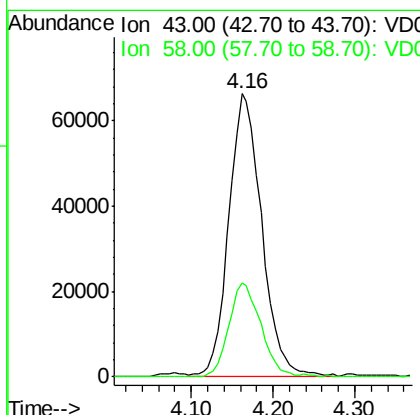
Manual Integrations
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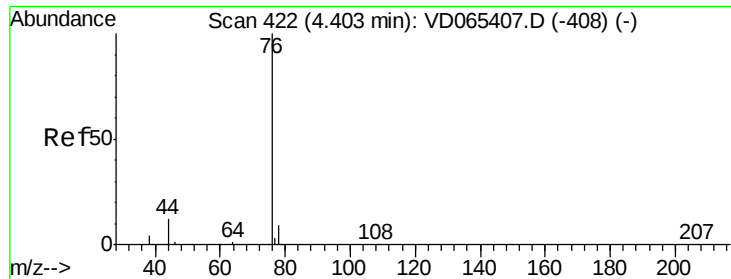
MMDadoda
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#16
Acetone
Concen: 230.158 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	43	Resp	183926
Ion Ratio	Lower	Upper	
43	100		
58	33.2	25.1	37.7





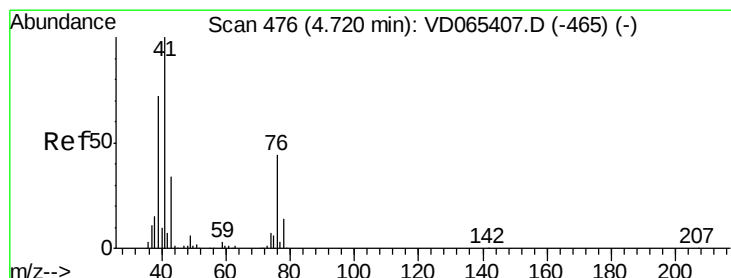
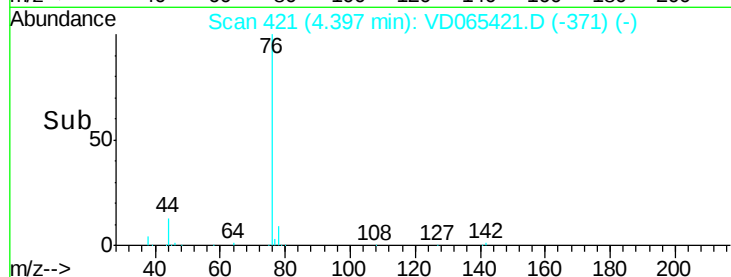
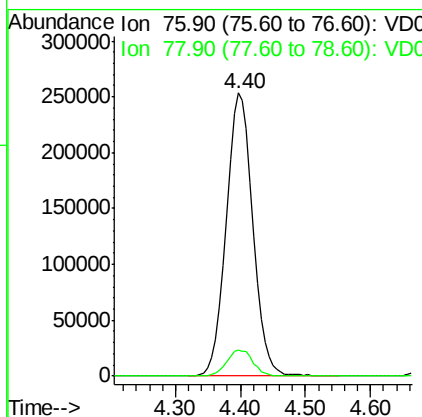
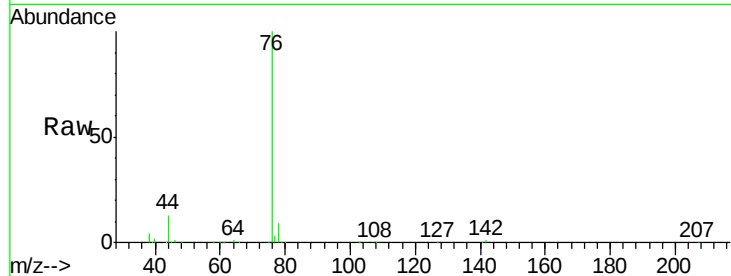
#17
Carbon Disulfide
Concen: 50.229 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

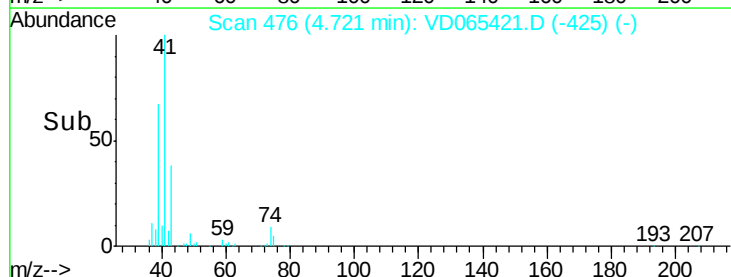
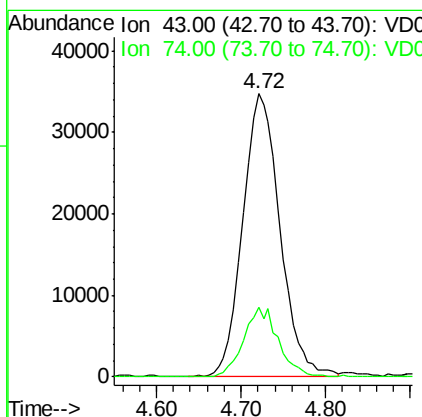
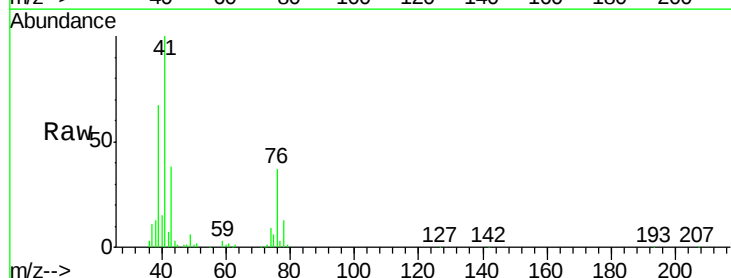
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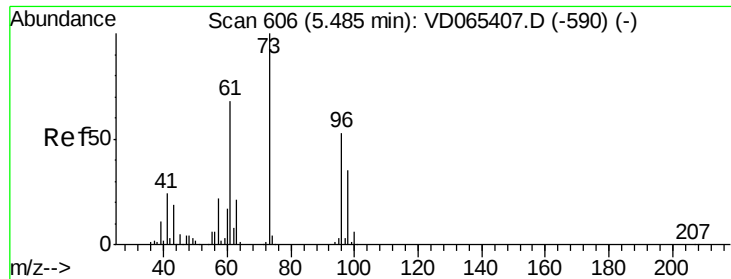
MMDadoda
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#18
Methyl Acetate
Concen: 52.597 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.6	29.4





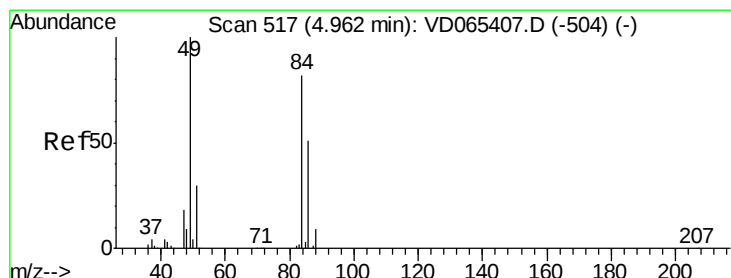
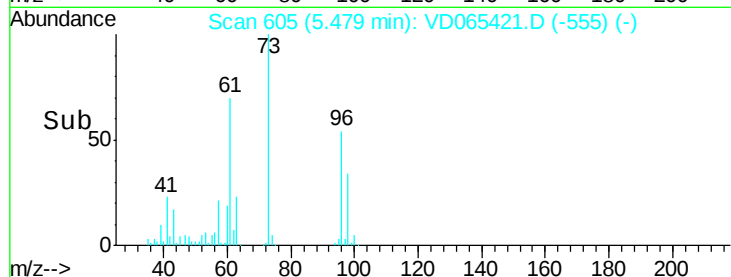
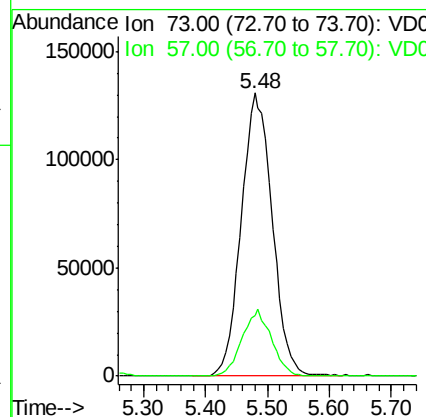
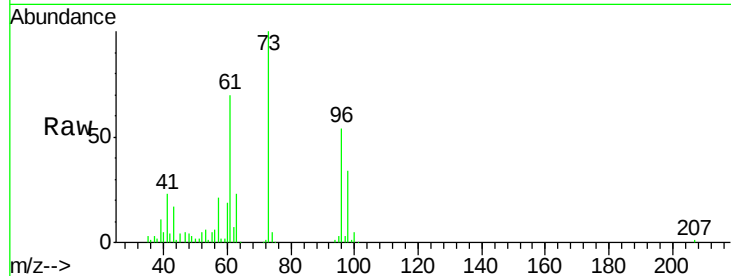
#19
Methyl tert-butyl Ether
Concen: 55.402 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 456429
Ion Ratio Lower Upper
73 100
57 21.3 17.3 25.9

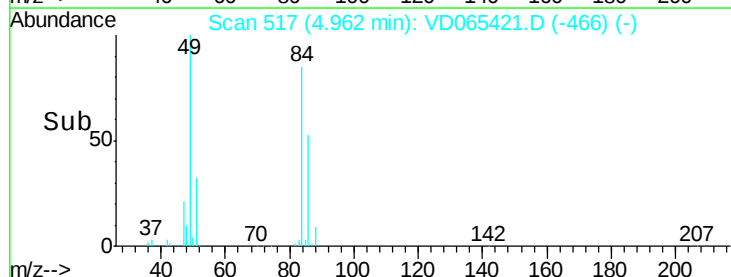
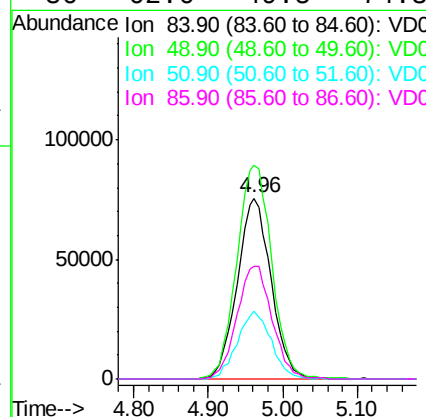
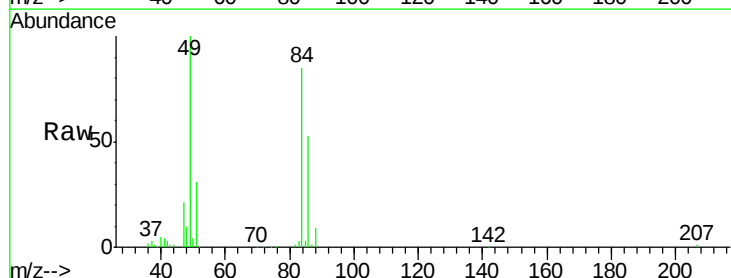
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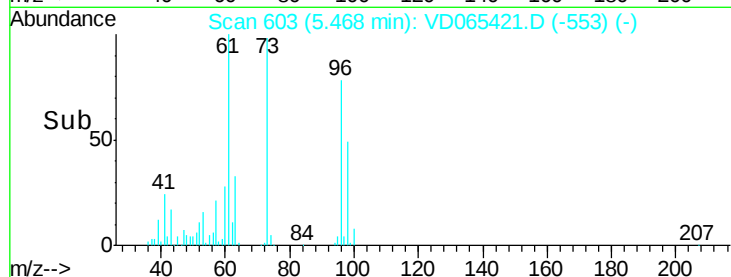
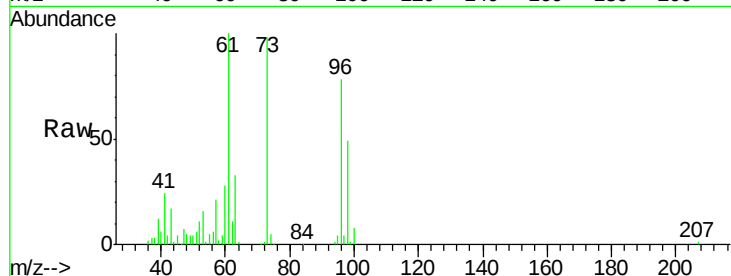
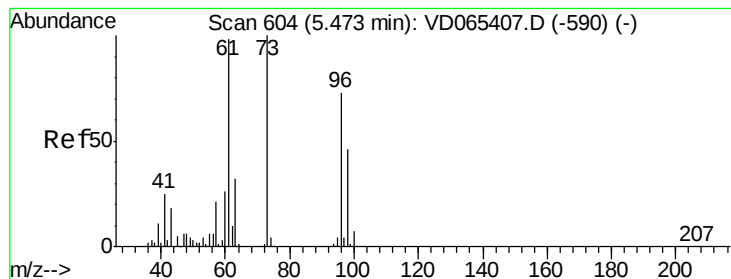
MMDadoda
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#20
Methylene Chloride
Concen: 55.124 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion: 84 Resp: 237684
Ion Ratio Lower Upper
84 100
49 118.2 97.7 146.5
51 37.2 28.8 43.2
86 62.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 52.085 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tot Ion:	96	Resp:	248218
Ion	Ratio	Lower	Upper
96	100		
61	128.3	106.3	159.5
98	63.2	50.2	75.4

Instrument :

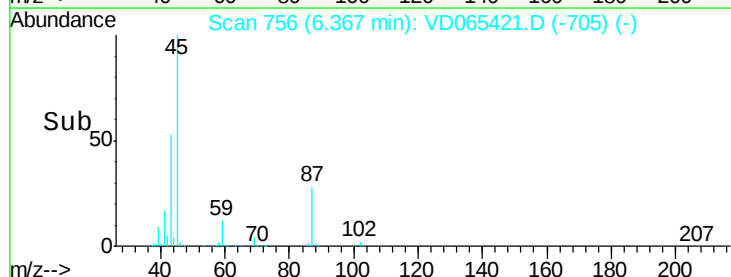
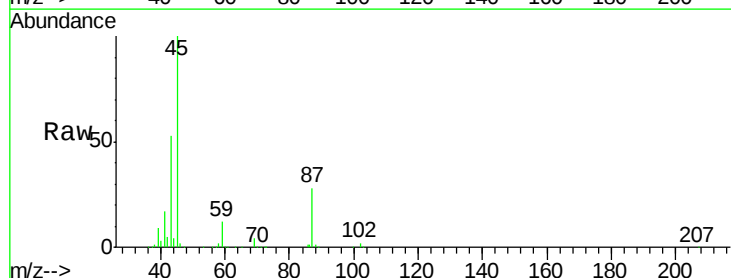
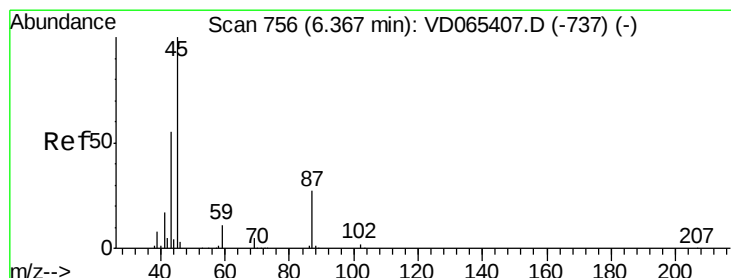
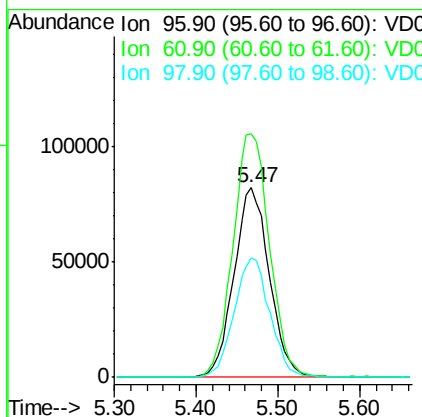
MSVOA_D

ClientSampleId :

VSTDCCC050EC

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#22

Diisopropyl ether

Concen: 55.868 ug/l

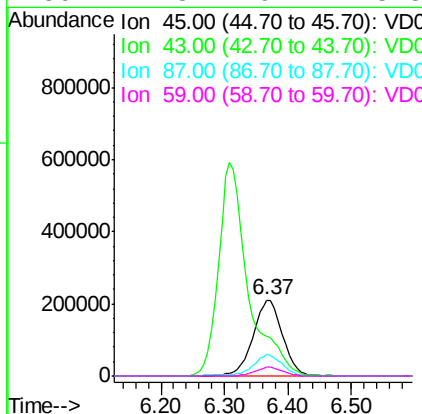
RT: 6.37 min Scan# 756

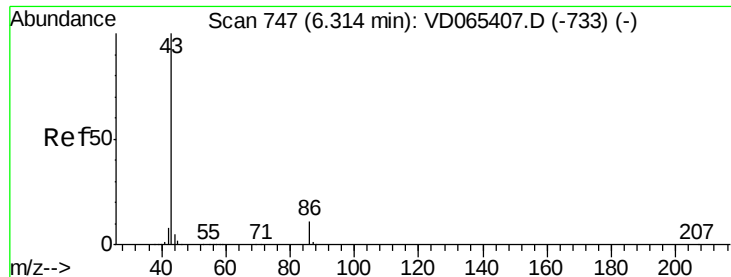
Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion:	45	Resp:	683472
Ion	Ratio	Lower	Upper
45	100		
43	52.7	44.4	66.6
87	28.2	21.9	32.9
59	11.8	9.2	13.8





#23

Vinyl Acetate

Concen: 285.343 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1938268

Ion Ratio Lower Upper

43 100

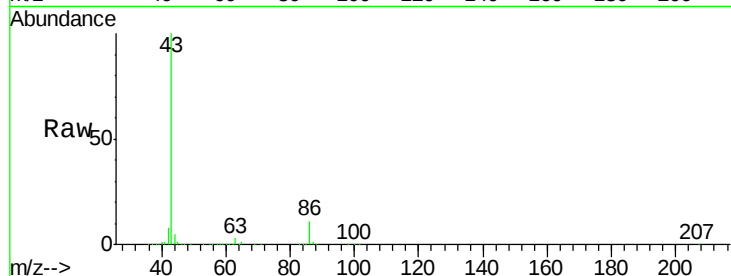
86 10.9 8.9 13.3

Manual Integrations

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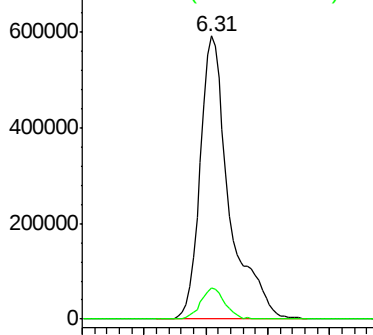
MMDadoda

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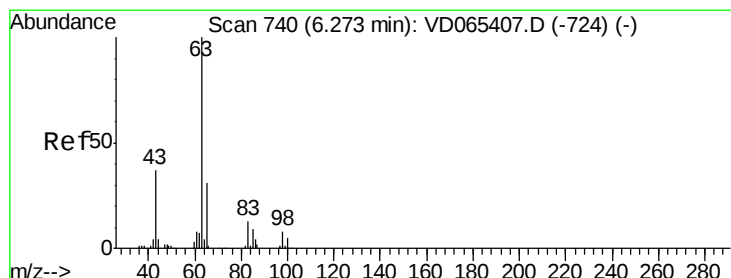
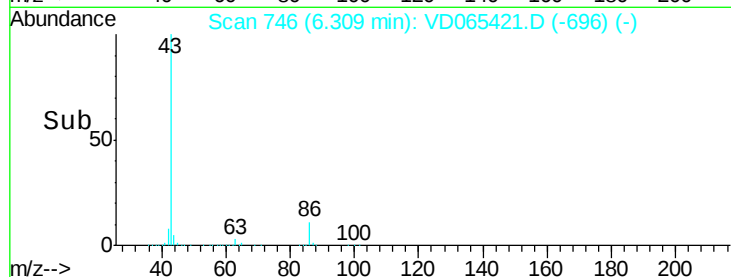


Abundance Ion 43.00 (42.70 to 43.70): VDC

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: 52.082 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

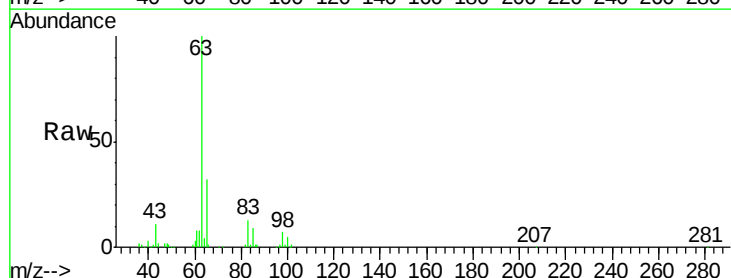
Tgt Ion: 63 Resp: 408685

Ion Ratio Lower Upper

63 100

98 7.4 4.2 12.6

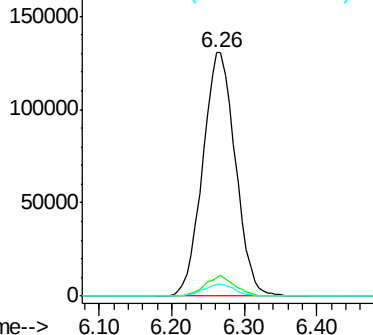
100 4.8 2.4 7.2



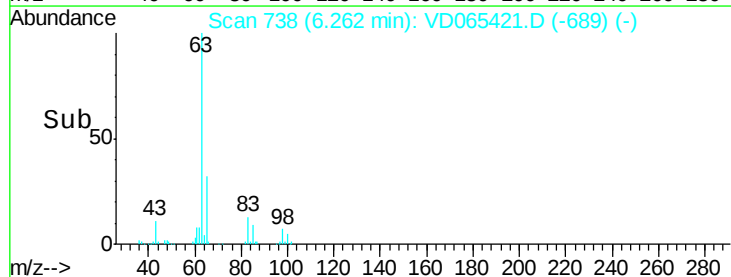
Abundance Ion 62.90 (62.60 to 63.60): VDC

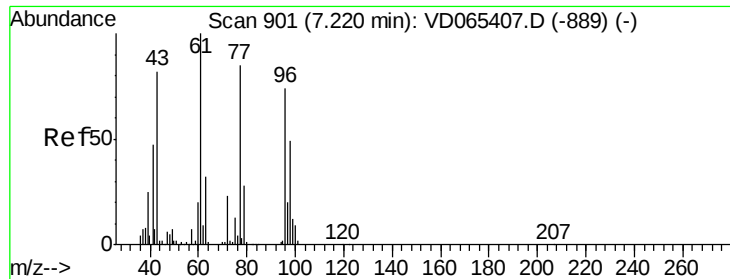
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 258.726 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 282149

Ion Ratio Lower Upper

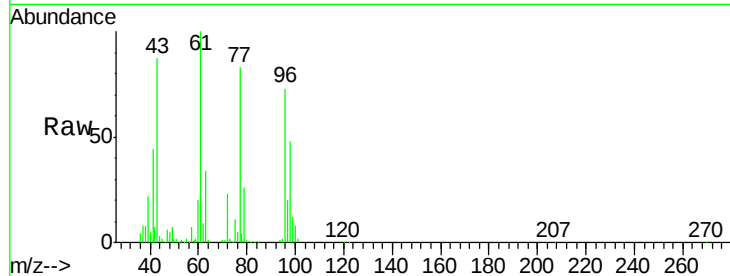
43 100

72 26.9 22.3 33.5

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

120000

100000

80000

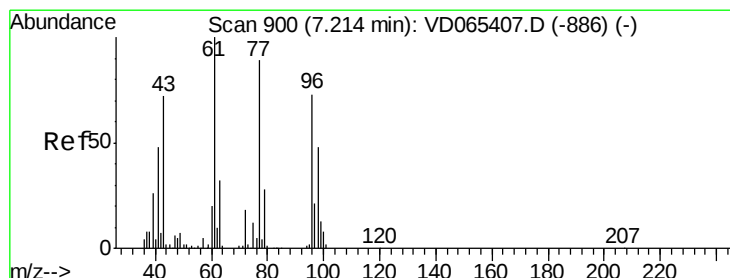
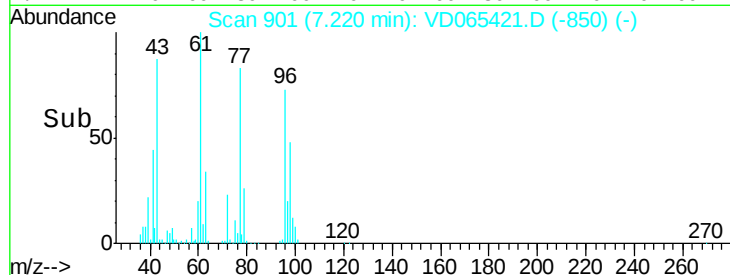
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.984 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065421.D

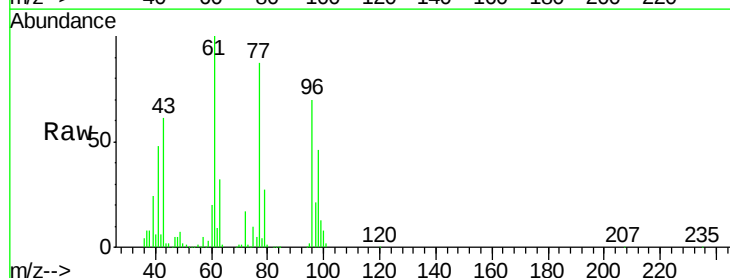
Acq: 04 Mar 2020 20:06

Tgt Ion: 77 Resp: 335897

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

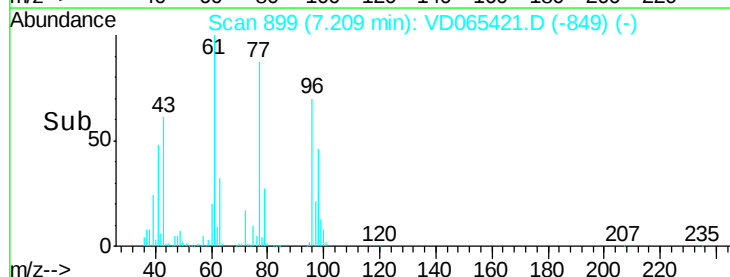
7.21

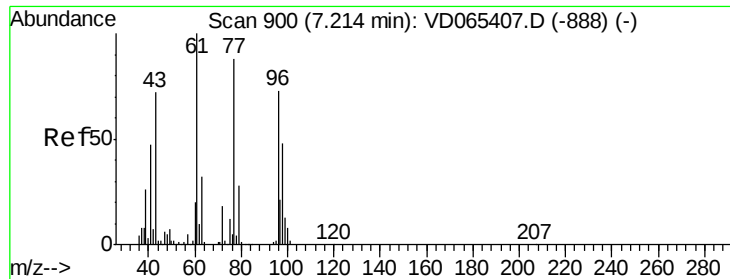
100000

50000

0

Time-->





#27

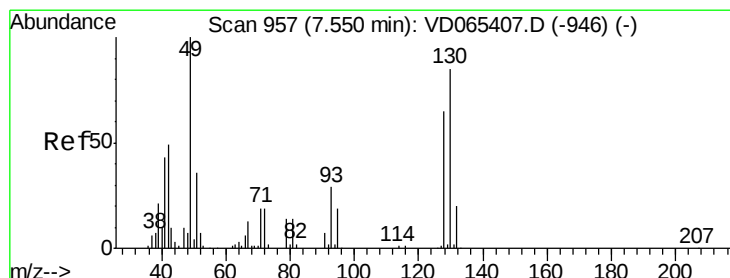
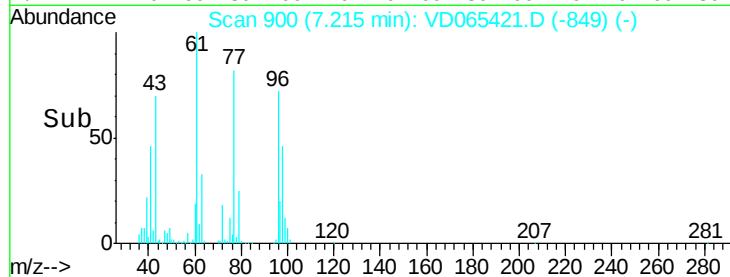
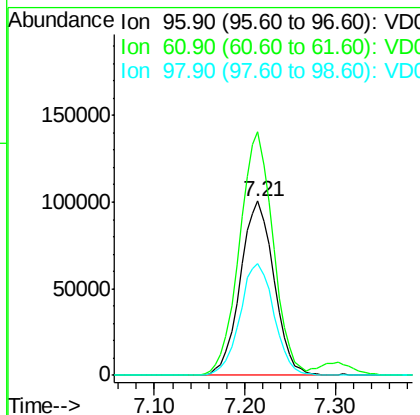
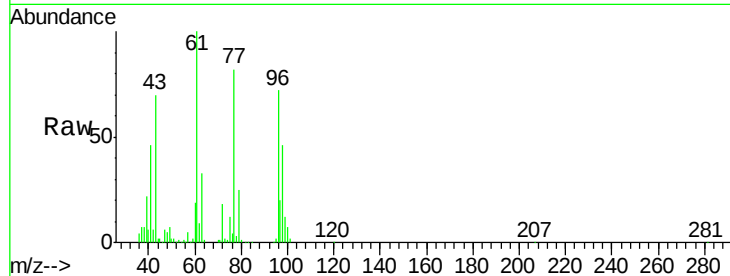
cis-1,2-Dichloroethene
 Concen: 53.588 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	280.4
98	64.5	0.0	132.6

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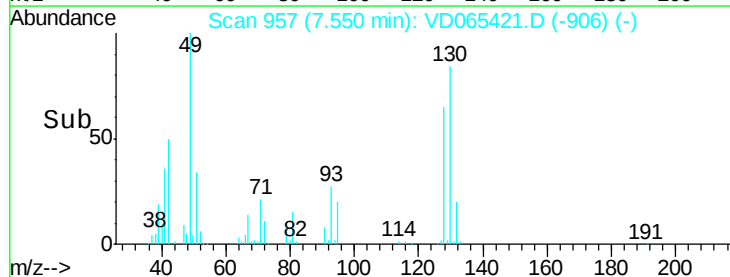
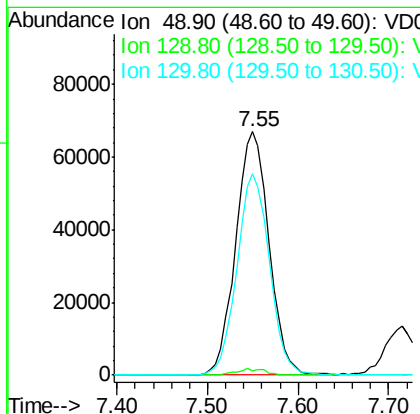
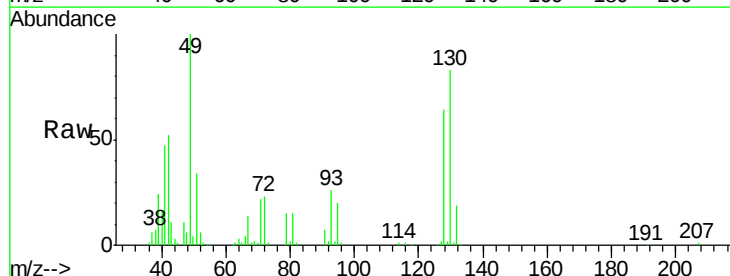
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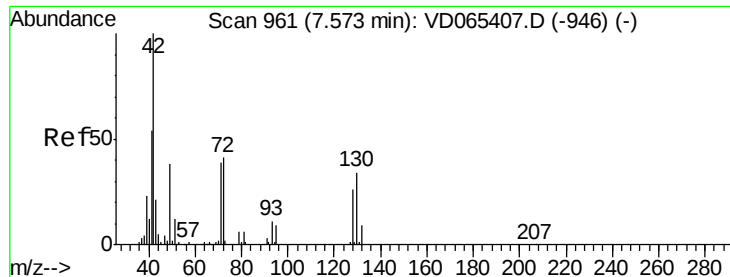


#28

Bromochloromethane
 Concen: 54.472 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	80.9	66.6	100.0





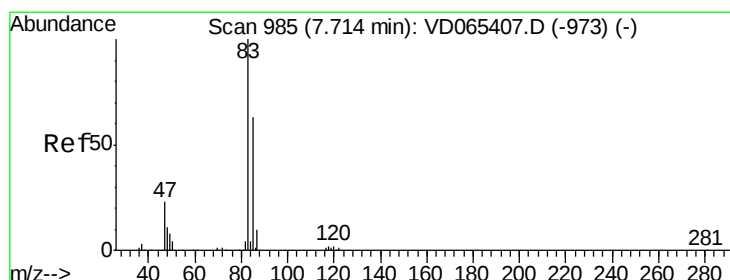
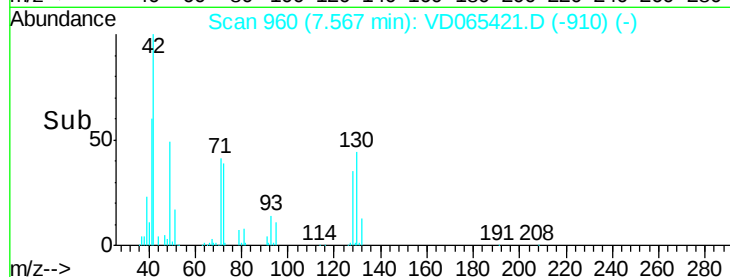
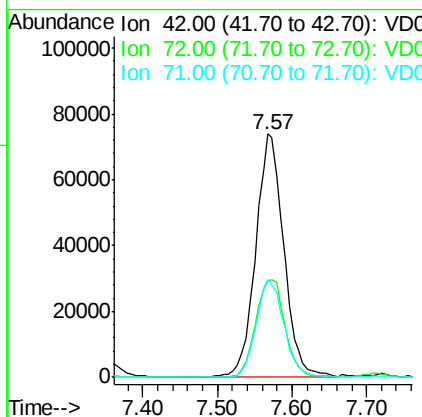
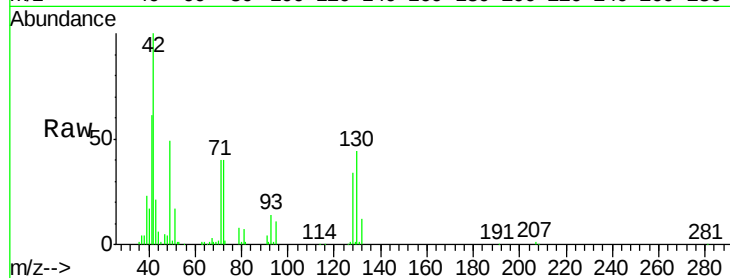
#29
Tetrahydrofuran
Concen: 278.056 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.0	49.6
71	39.8	32.0	48.0

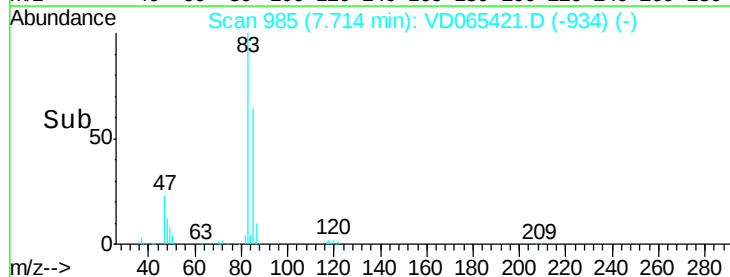
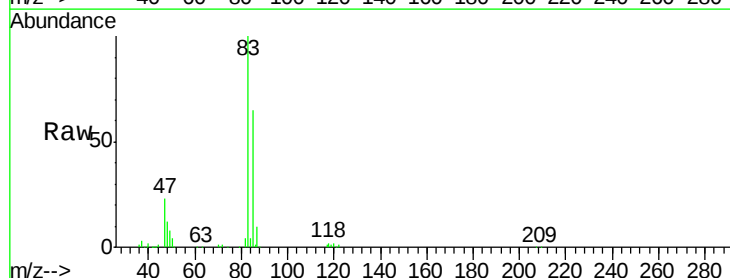
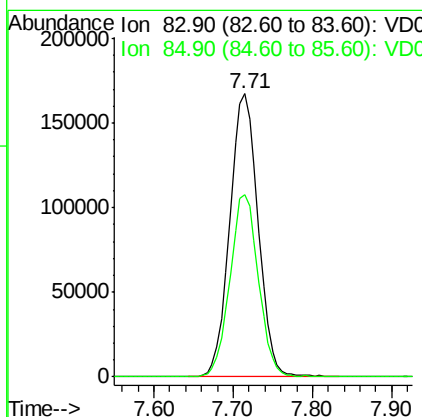
Manual Integrations
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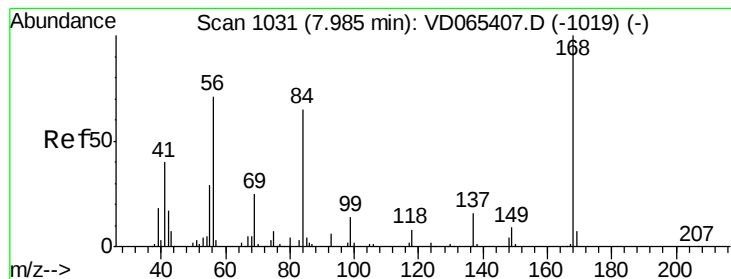
MMDadoda
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#30
Chloroform
Concen: 52.791 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.3	75.5





#31

Cyclohexane

Concen: 48.621 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

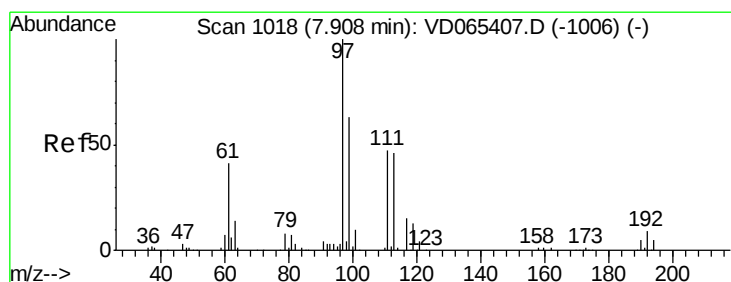
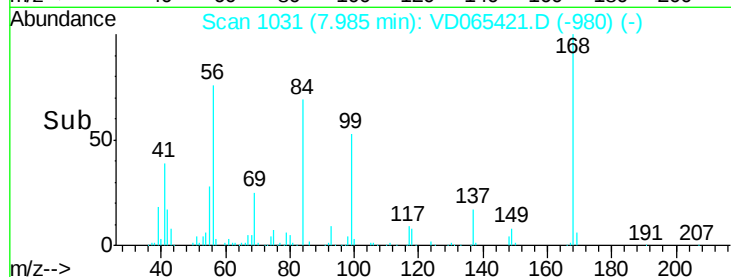
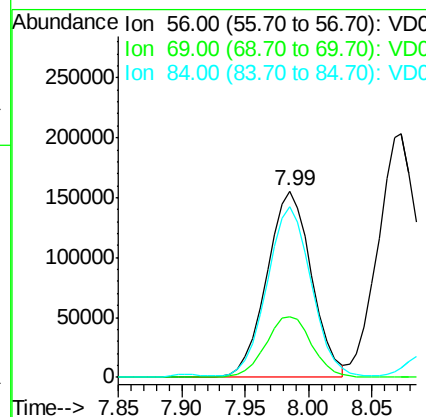
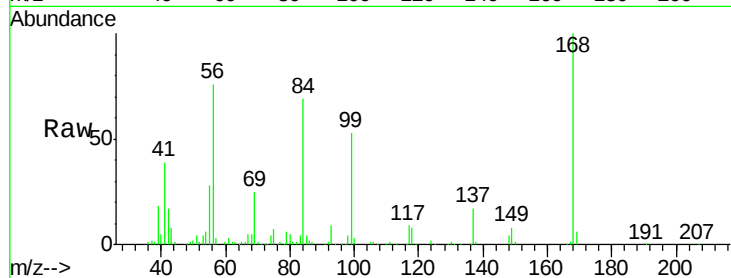
ClientSampleID :

VSTDCCC050EC

Tot Ion:	56	Resp:	381498
Ion Ratio	Lower	Upper	
56	100		
69	32.8	28.3	42.5
84	89.8	73.1	109.7

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#32

1,1,1-Trichloroethane

Concen: 51.270 ug/l

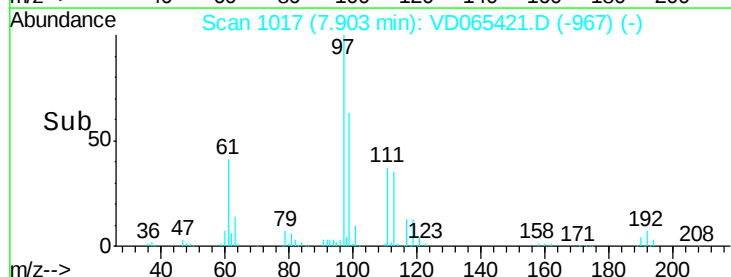
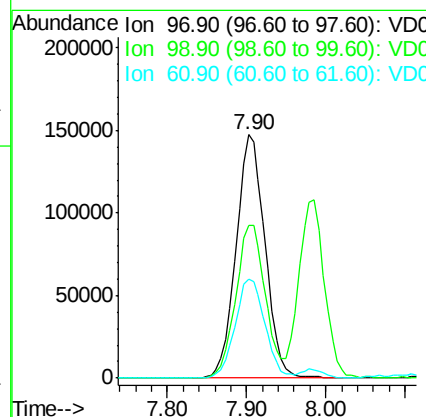
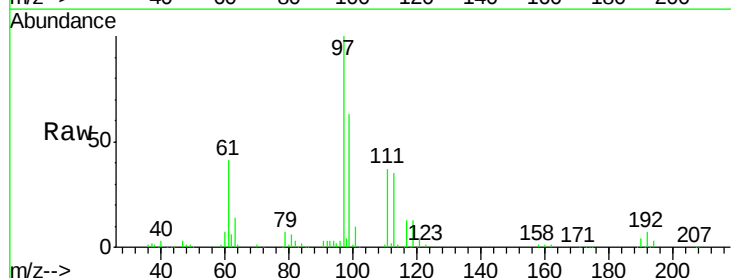
RT: 7.90 min Scan# 1017

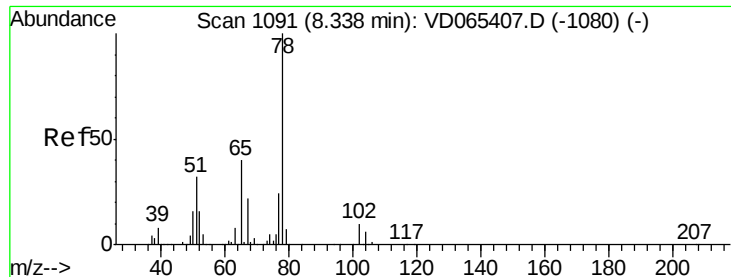
Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion:	97	Resp:	371601
Ion Ratio	Lower	Upper	
97	100		
99	64.0	50.9	76.3
61	42.1	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 51.557 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 203720

Ion Ratio Lower Upper

65 100

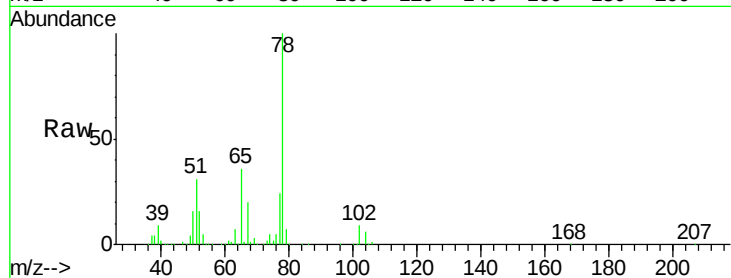
67 53.1 0.0 108.0

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

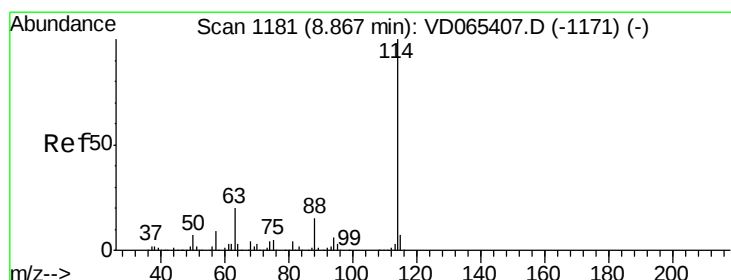
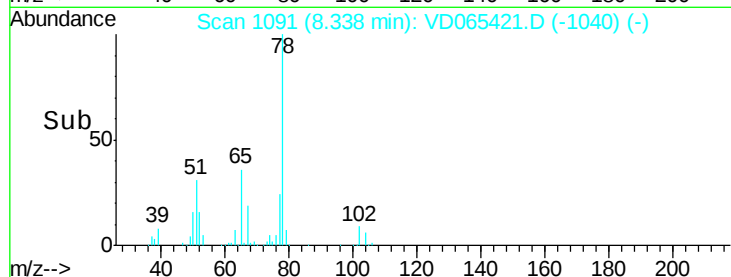
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

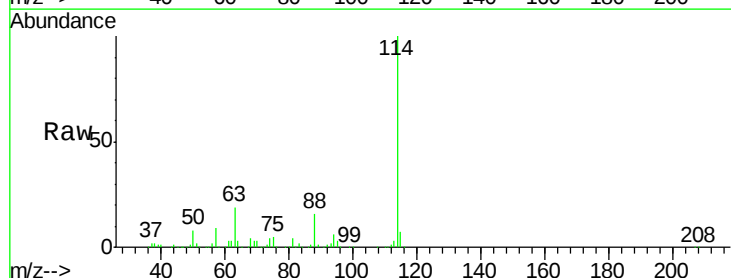
Tgt Ion: 114 Resp: 677905

Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.8 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

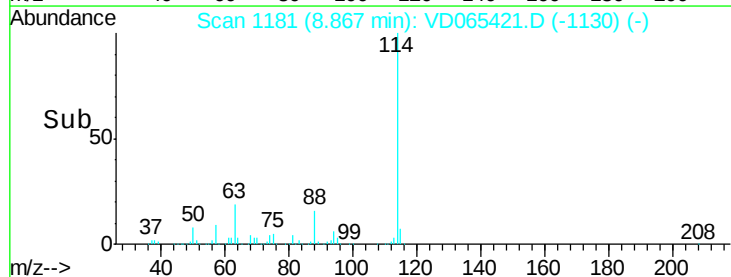
300000

200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.411 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

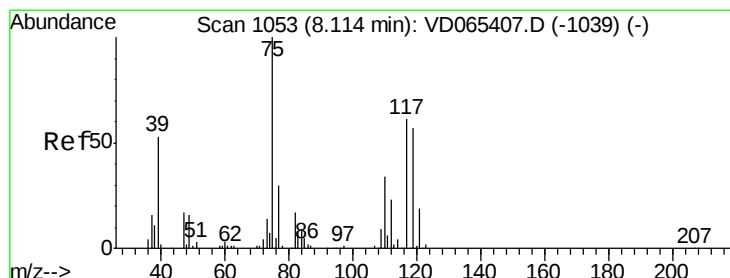
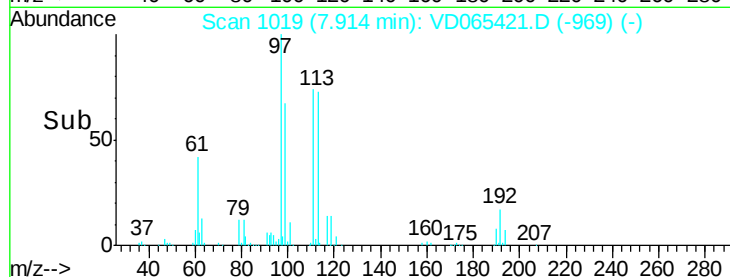
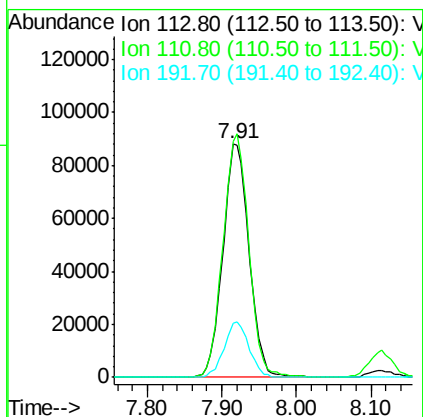
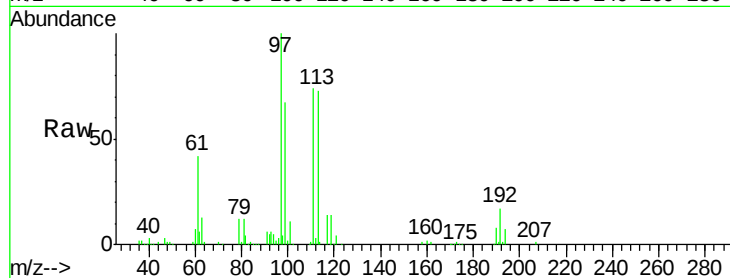
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	215525
Ion Ratio	Lower	Upper	
113	100		
111	102.8	82.1	123.1
192	22.7	17.2	25.8

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#36

1,1-Dichloropropene

Concen: 51.549 ug/l

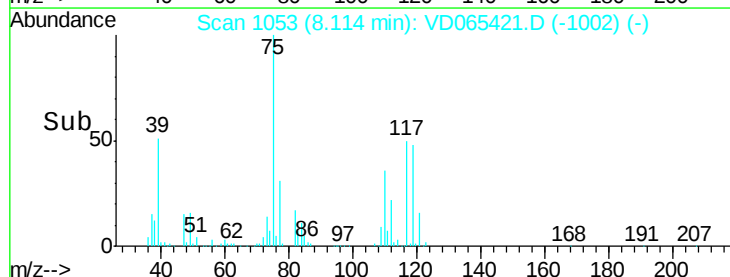
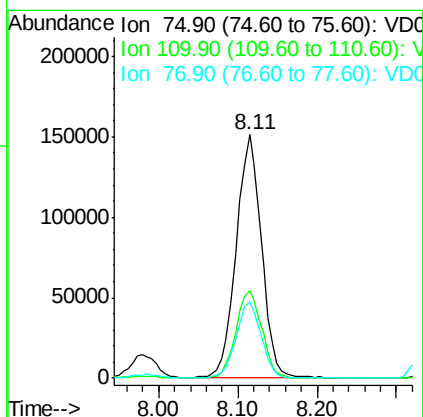
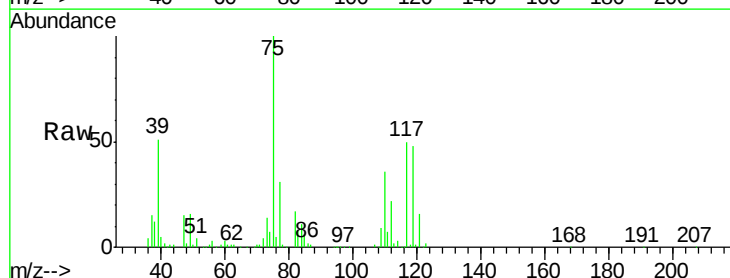
RT: 8.11 min Scan# 1053

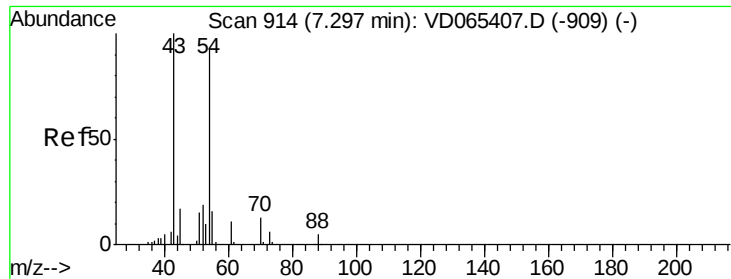
Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion:	75	Resp:	334975
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.1	54.1
77	31.2	25.2	37.8





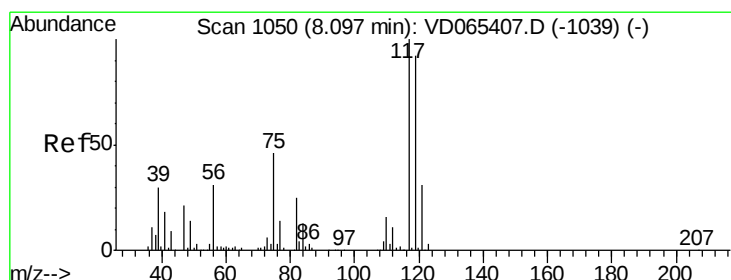
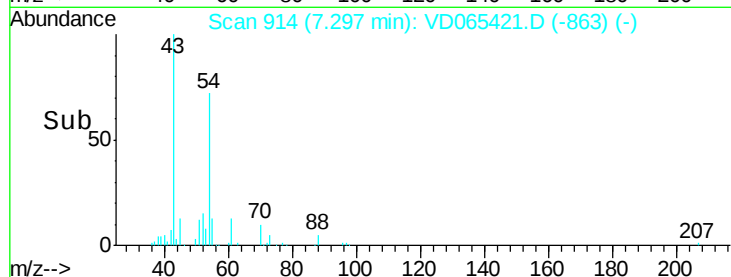
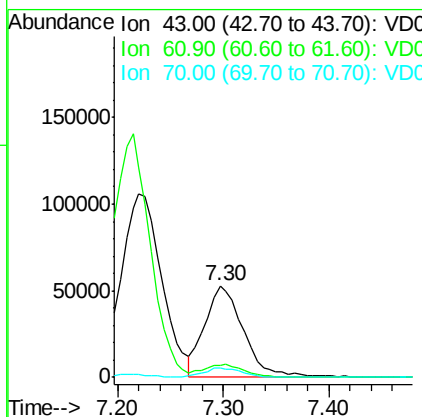
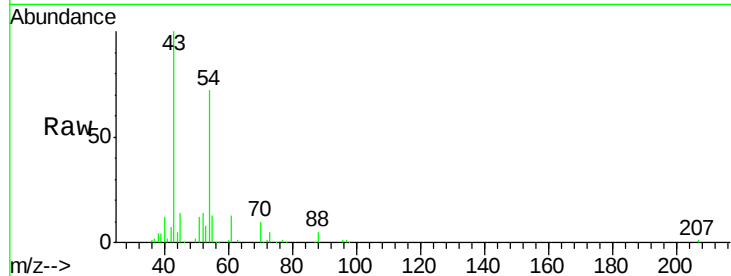
#37
Ethyl Acetate
Concen: 52.282 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.4	17.0
70	10.5	9.0	13.4

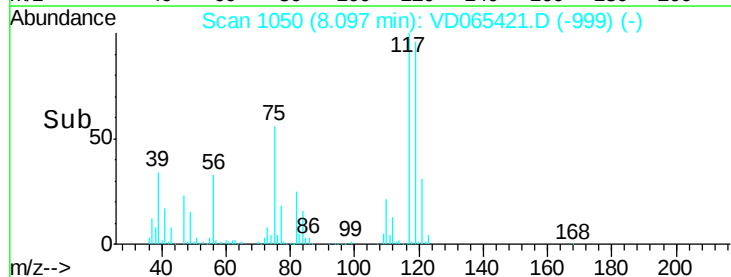
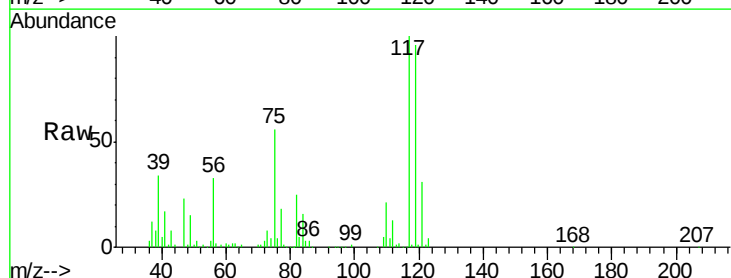
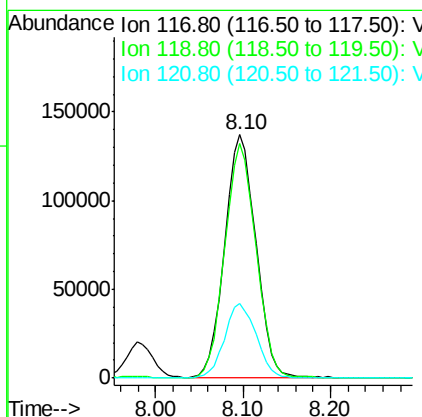
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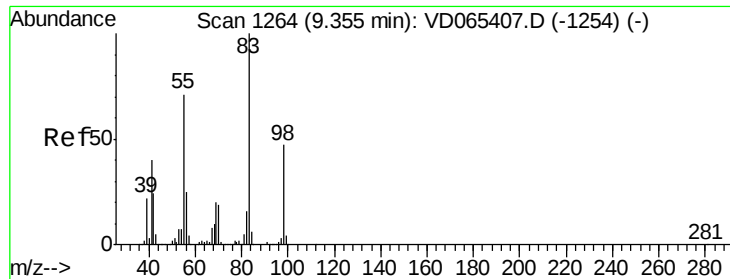
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#38
Carbon Tetrachloride
Concen: 49.555 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	73.3	109.9
121	30.6	25.0	37.4





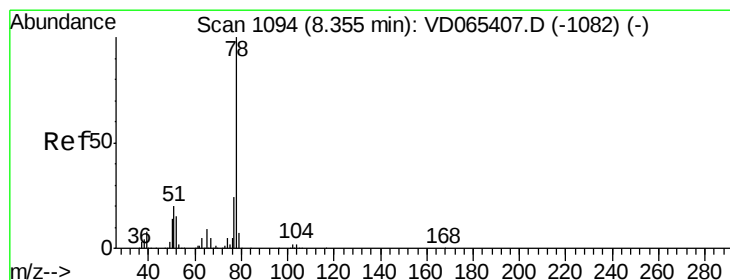
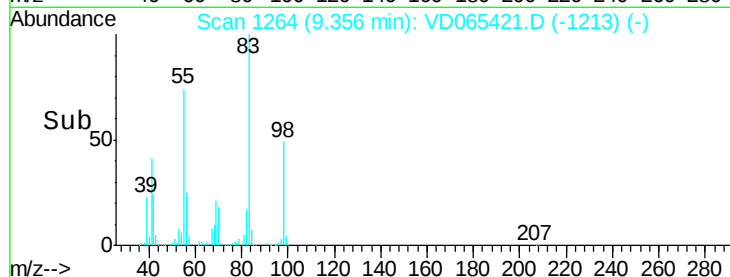
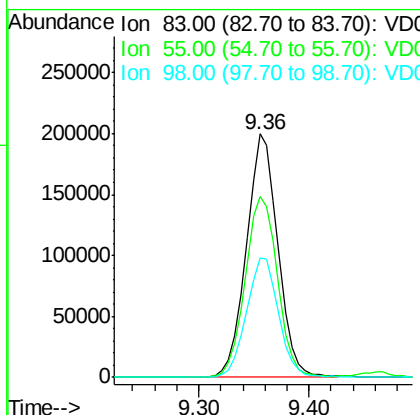
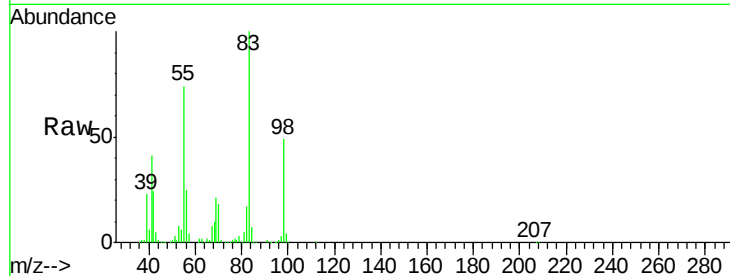
#39
Methylvlcyclohexane
Concen: 50.966 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	400003
Ion	Ratio	Lower	Upper
83	100		
55	74.4	57.1	85.7
98	49.3	37.8	56.8

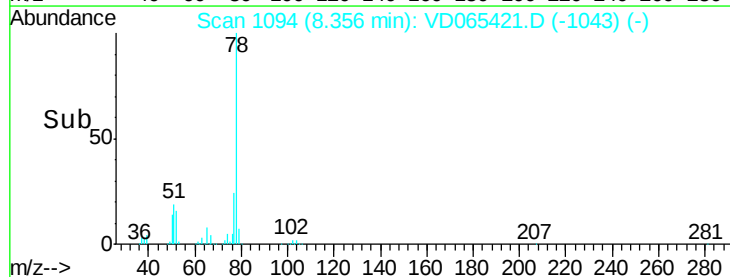
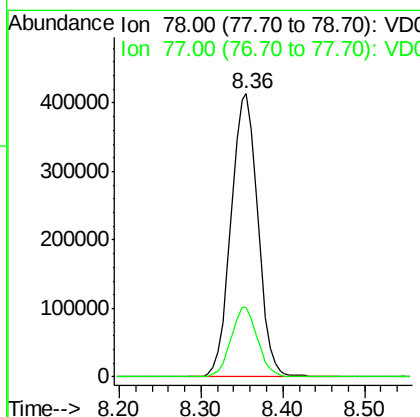
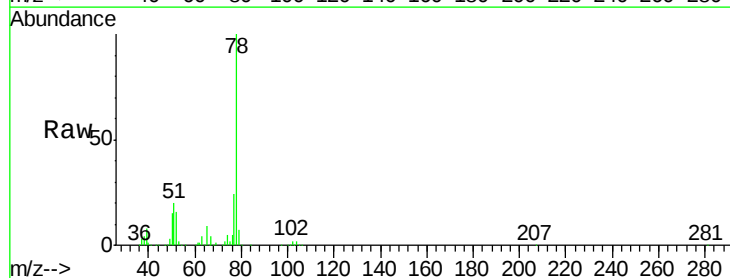
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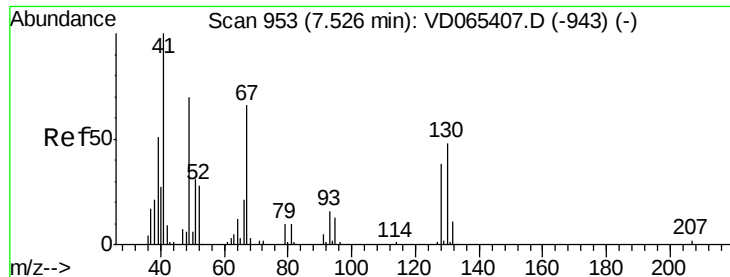
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#40
Benzene
Concen: 52.057 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	78	Resp	945793
Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.4	29.0





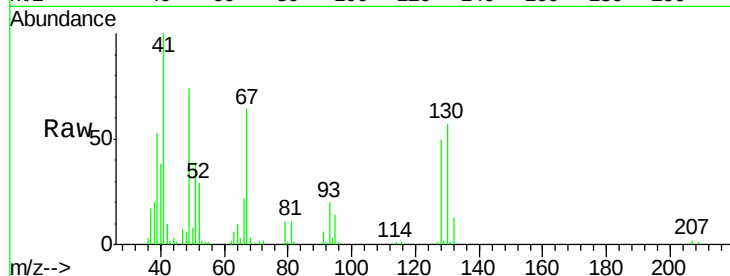
#41
Methacrylonitrile
Concen: 50.299 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

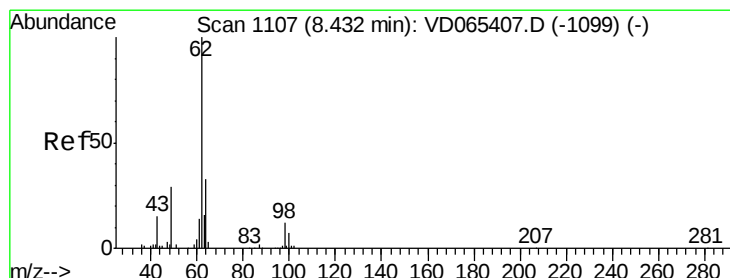
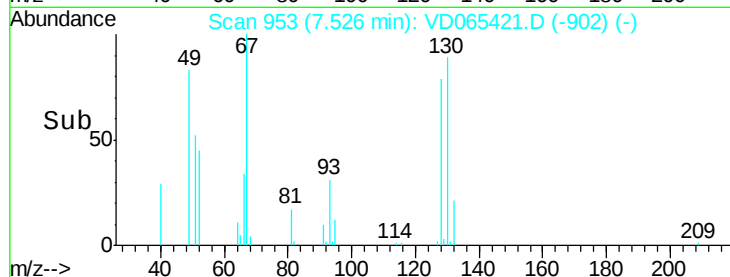
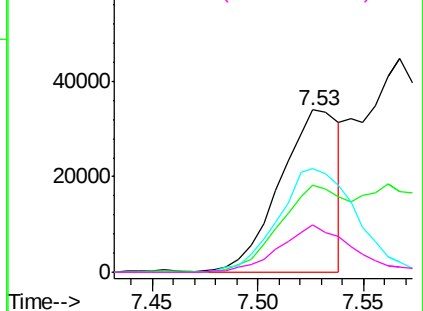
Tot Ion	41	Resp	66811
Ion	Ratio	Lower	Upper
41	100		
39	60.4	55.0	82.6
67	84.1	70.3	105.5
52	35.6	30.7	46.1

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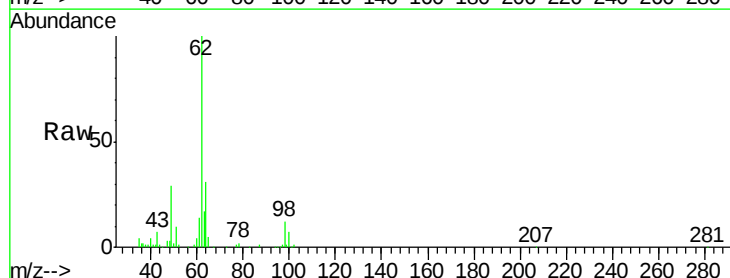


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

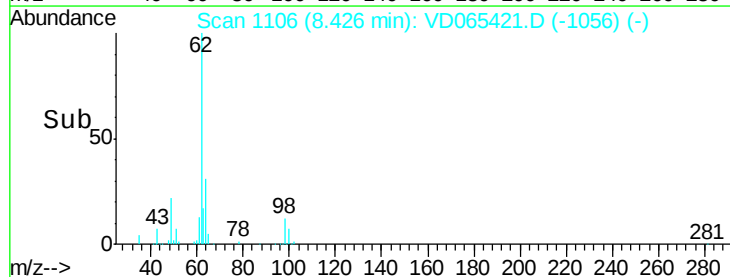
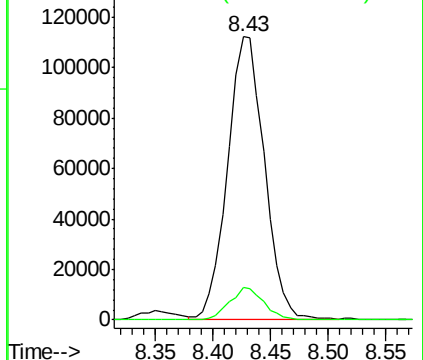


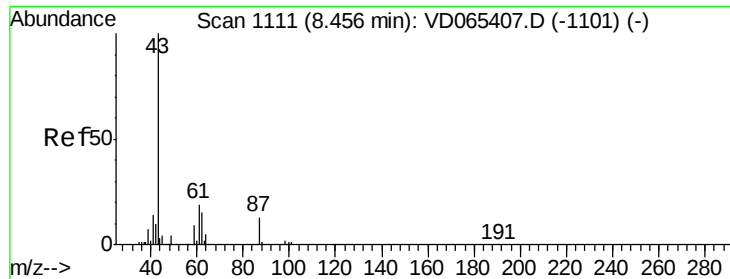
#42
1,2-Dichloroethane
Concen: 52.260 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	62	Resp	247938
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	21.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 53.321 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

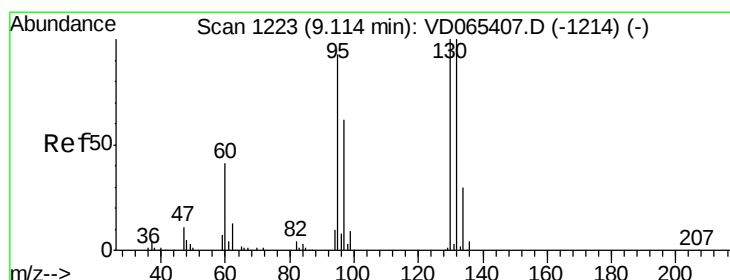
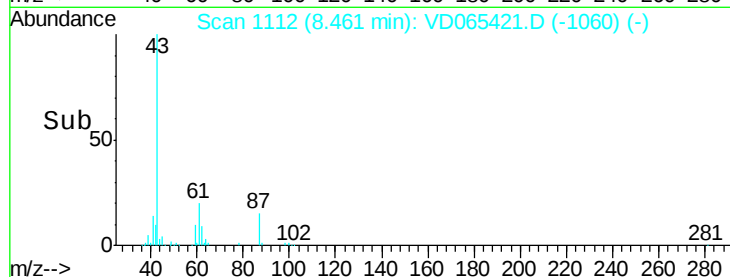
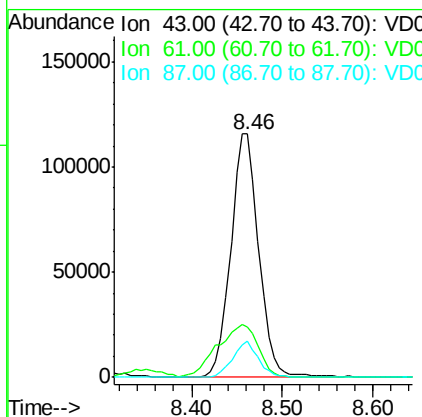
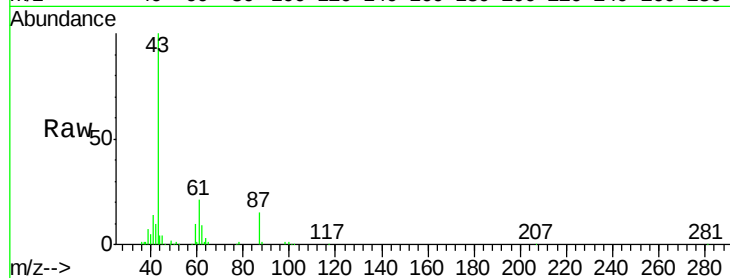
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	247283
Ion	Ratio	Lower	Upper
43	100		
61	32.1	25.0	37.6
87	13.7	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 51.105 ug/l

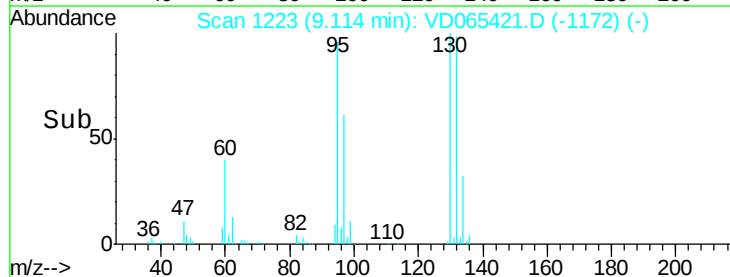
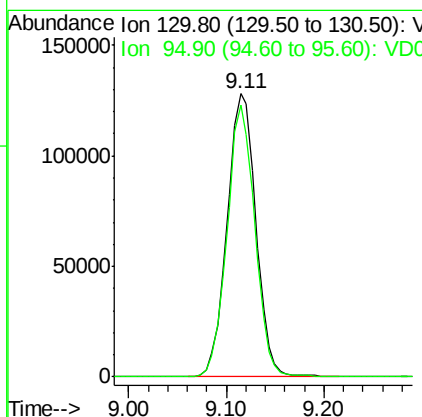
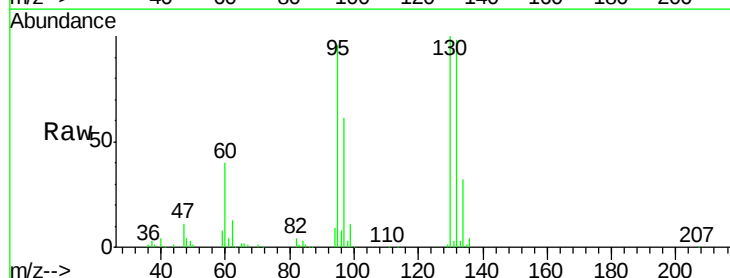
RT: 9.11 min Scan# 1223

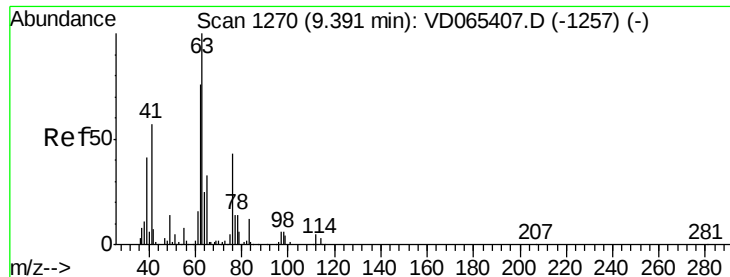
Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion:	130	Resp:	262215
Ion	Ratio	Lower	Upper
130	100		
95	96.0	0.0	186.0





#45

1,2-Dichloropropane

Concen: 52.295 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 230150

Ion Ratio Lower Upper

63 100

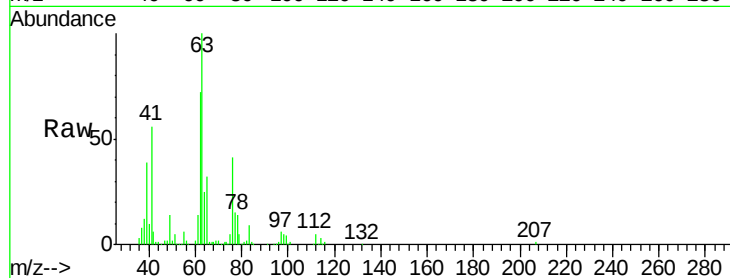
65 31.9 26.4 39.6

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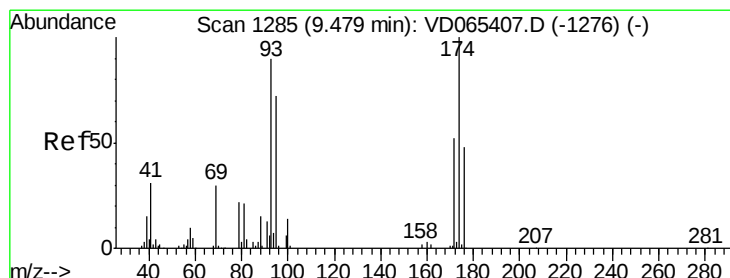
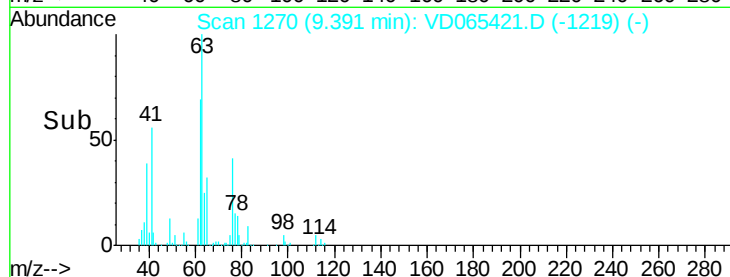
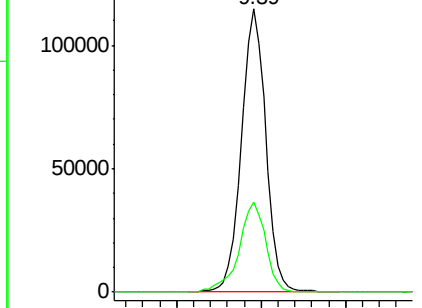
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.544 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

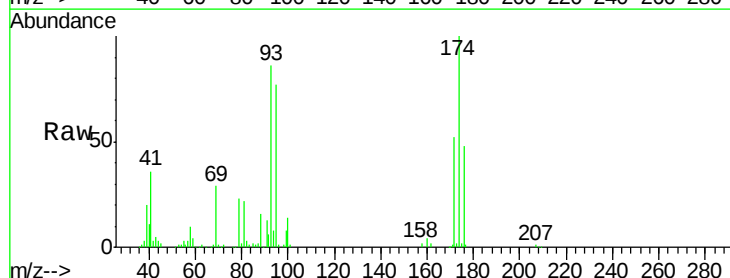
Tgt Ion: 93 Resp: 119949

Ion Ratio Lower Upper

93 100

95 85.8 65.0 97.6

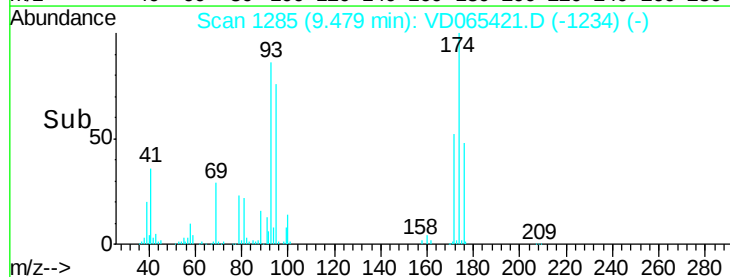
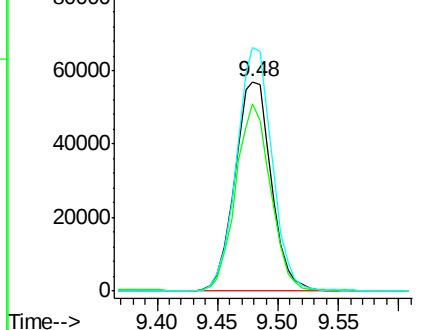
174 113.3 88.3 132.5



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





#47

Bromodichloromethane

Concen: 52.835 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

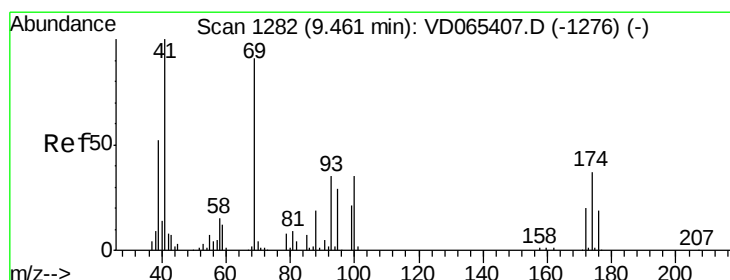
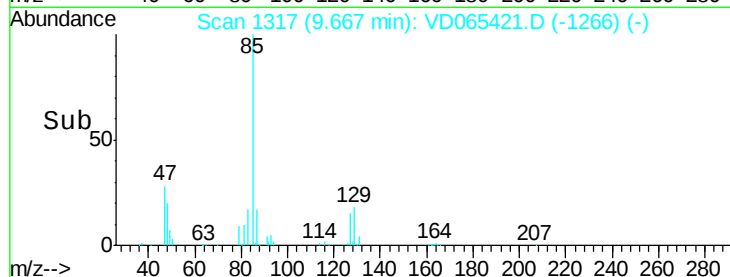
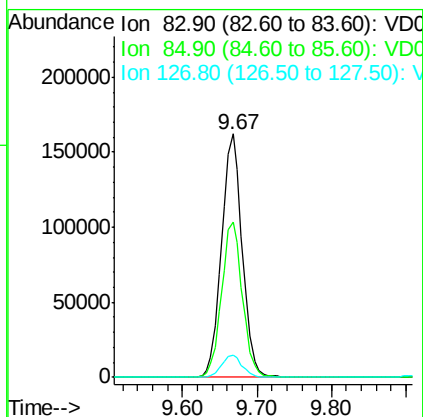
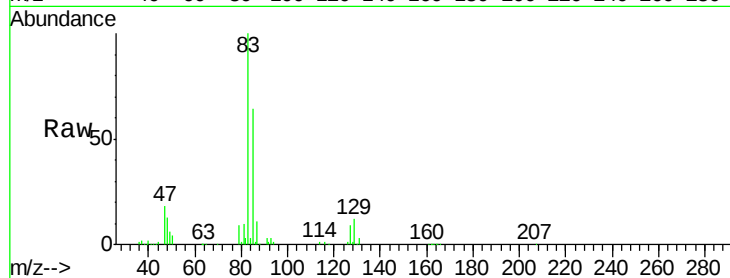
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	313782
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.8	79.2
127	9.3	8.0	12.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.289 ug/l

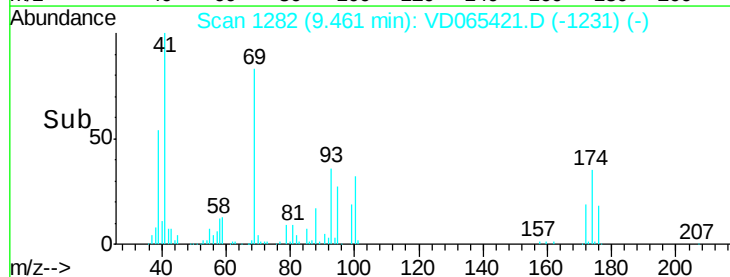
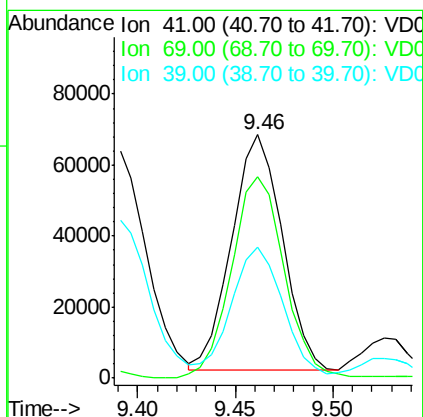
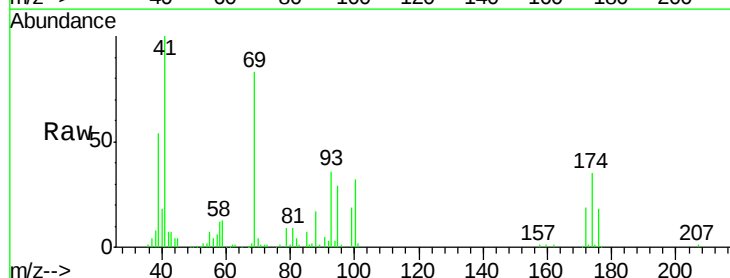
RT: 9.46 min Scan# 1282

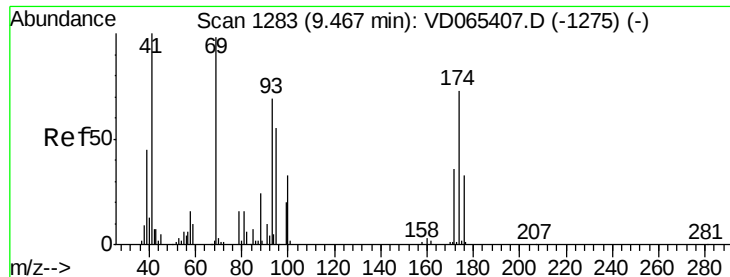
Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion:	41	Resp:	118429
Ion	Ratio	Lower	Upper
41	100		
69	89.9	72.5	108.7
39	53.8	41.6	62.4





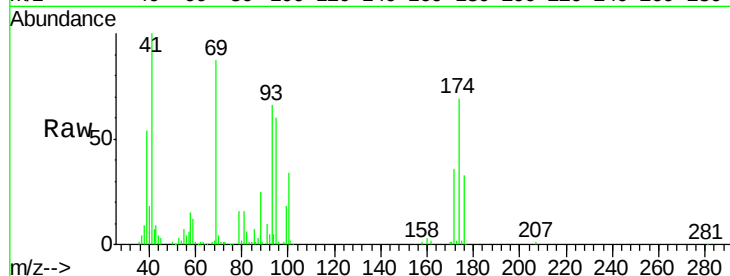
#49
1,4-Dioxane
Concen: 1119.933 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	24.5	36.7
58	65.1	54.5	81.7

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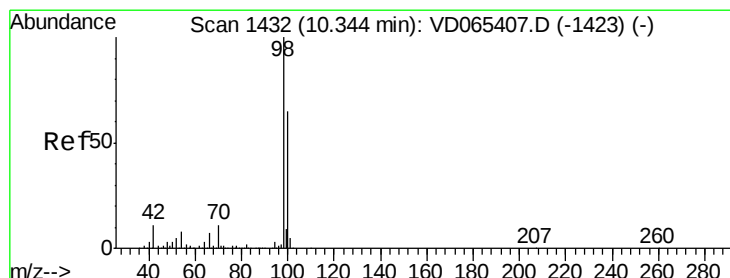
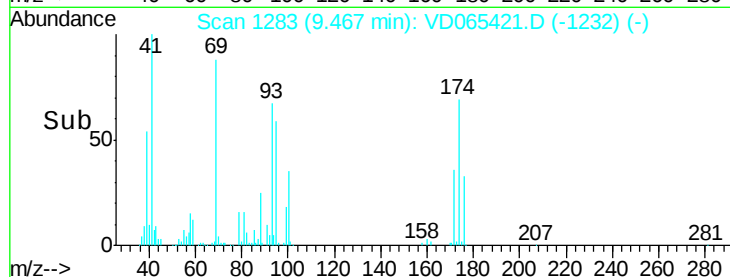
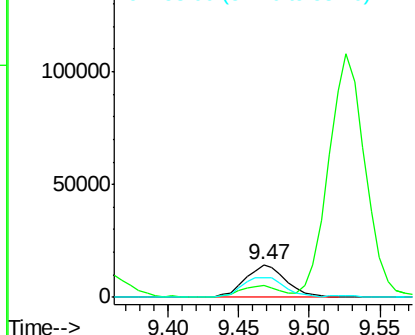


Abundance

Ion 88.00 (87.70 to 88.70): VDC

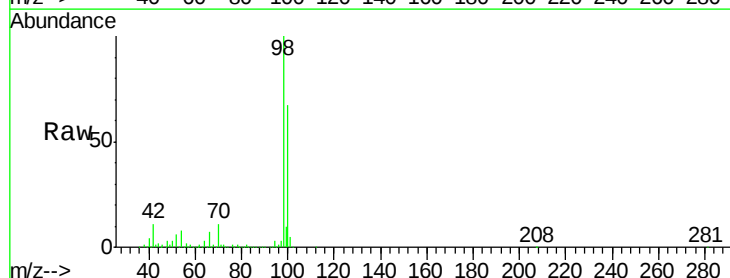
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 52.873 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

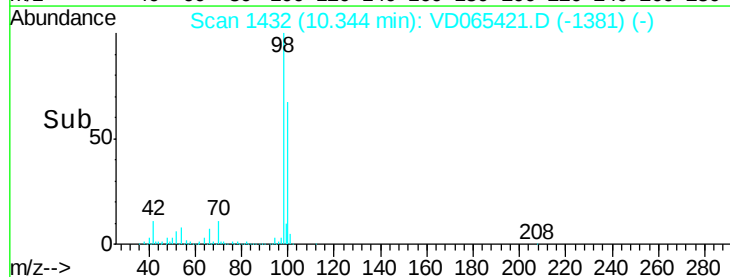
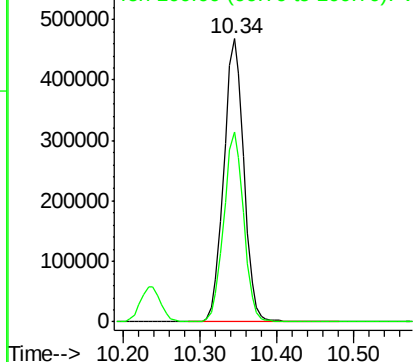
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	52.8	79.2

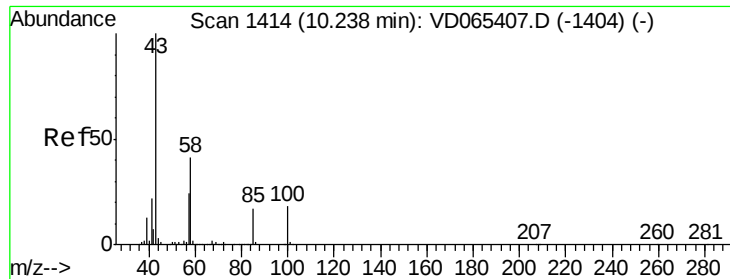


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





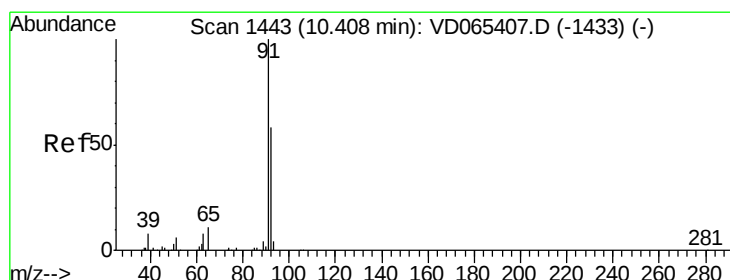
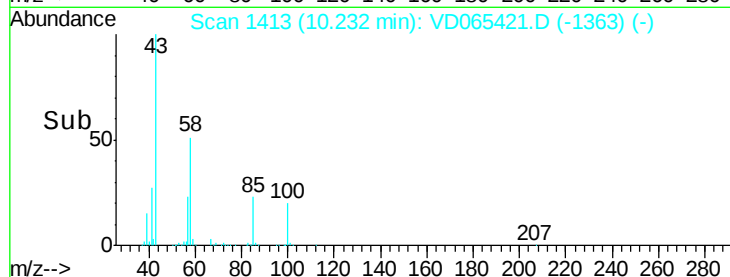
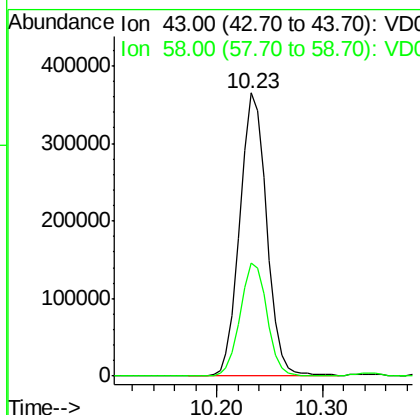
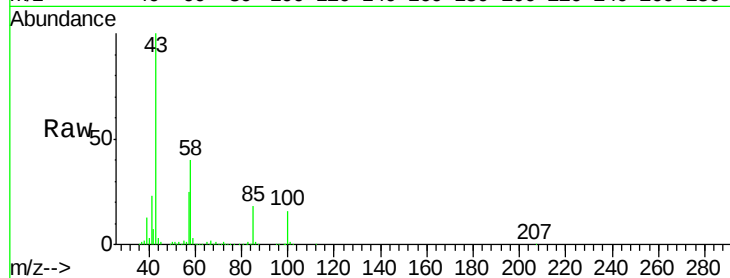
#51
4-Methyl-2-Pentanone
Concen: 276.728 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.8	47.6

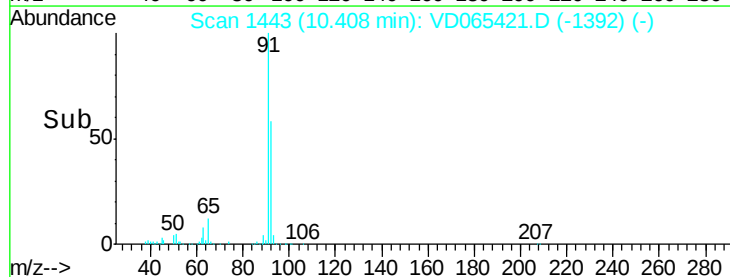
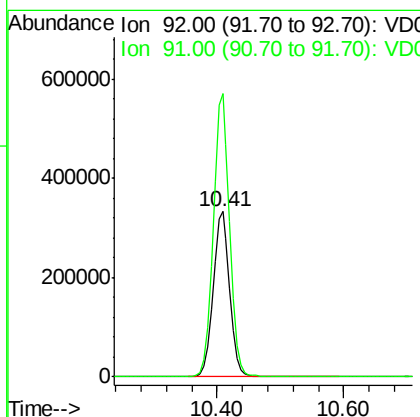
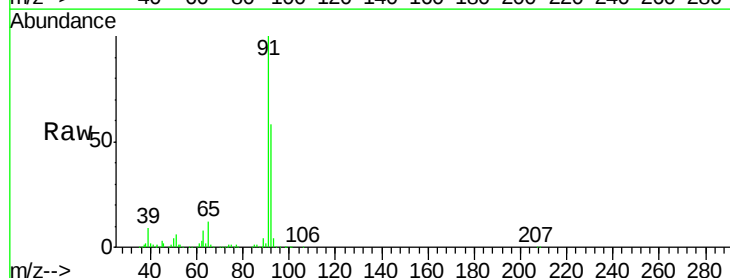
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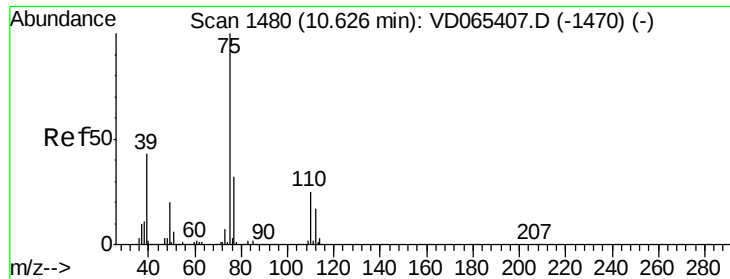
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#52
Toluene
Concen: 53.382 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.6	137.8	206.8





#53

t-1,3-Dichloropropene

Concen: 53.879 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 299026

Ion Ratio Lower Upper

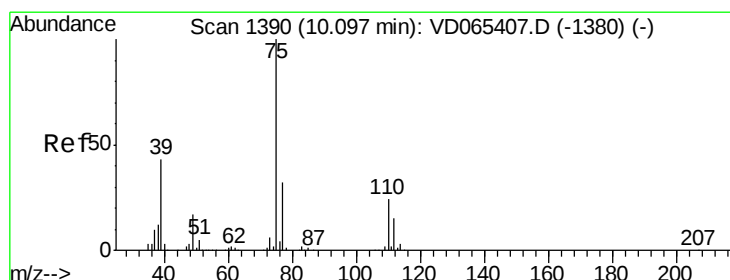
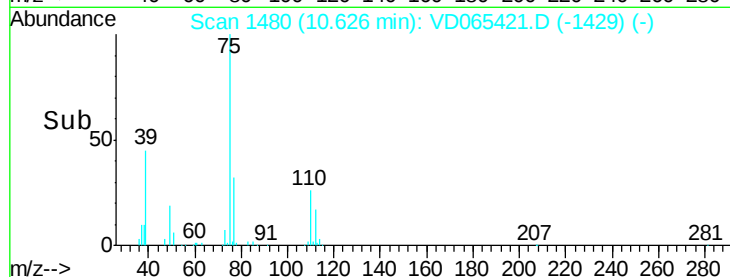
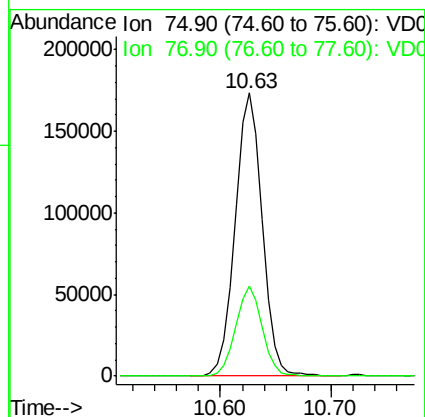
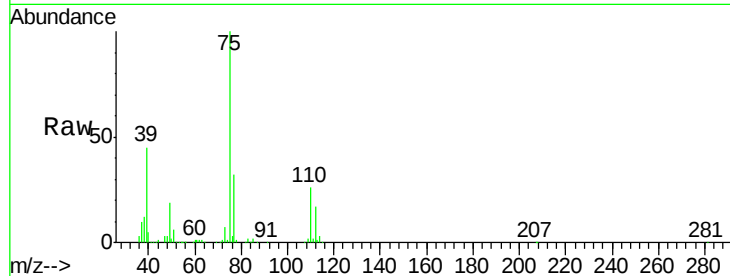
75 100

77 31.8 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 54.018 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

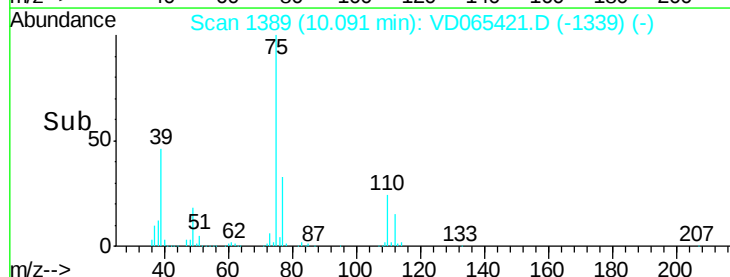
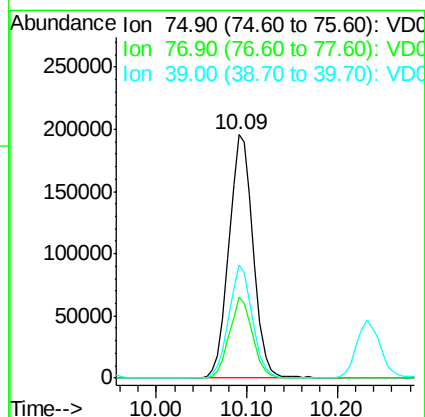
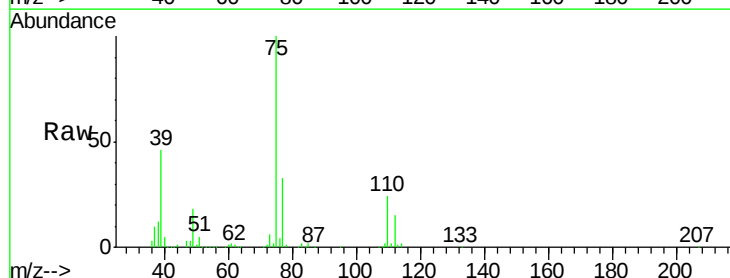
Tgt Ion: 75 Resp: 362883

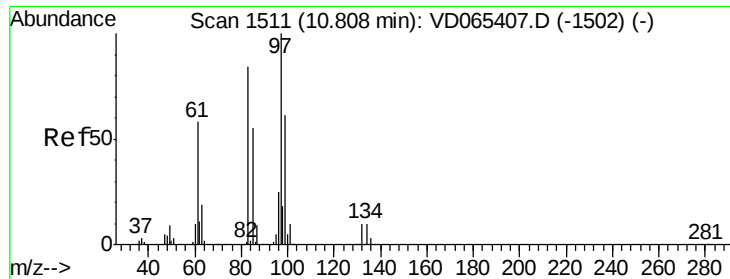
Ion Ratio Lower Upper

75 100

77 33.1 25.3 37.9

39 46.2 34.6 52.0





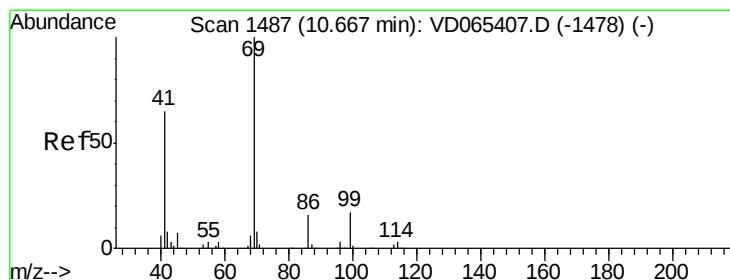
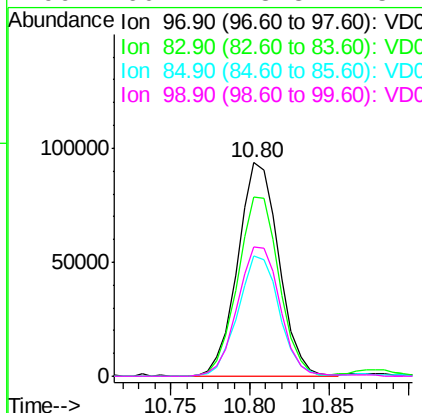
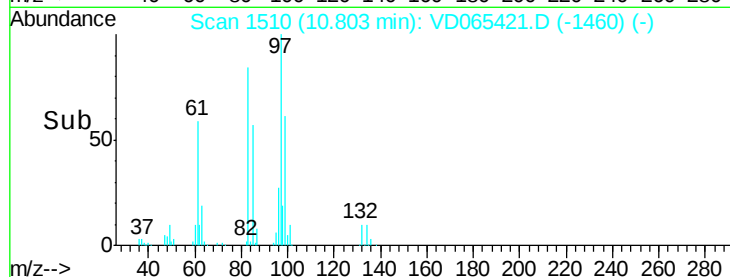
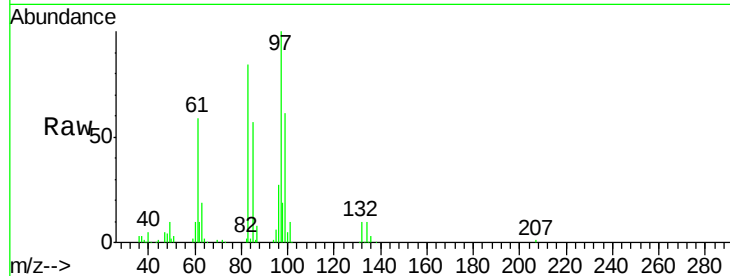
#55
 1,1,2-Trichloroethane
 Concen: 52.362 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		169300		
83	83.7	67.4	101.0		
85	56.5	43.8	65.8		
99	60.4	48.8	73.2		

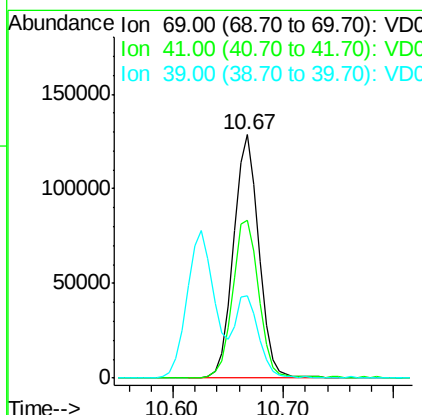
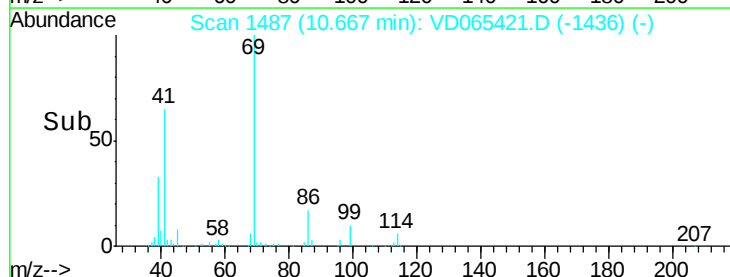
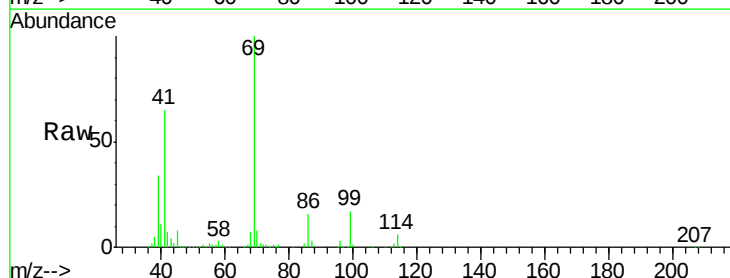
Manual Integrations
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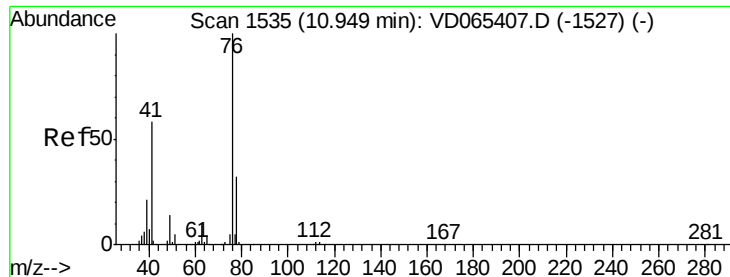
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#56
 Ethyl methacrylate
 Concen: 57.005 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		207785		
41	67.8	53.0	79.6		
39	31.0	26.0	39.0		





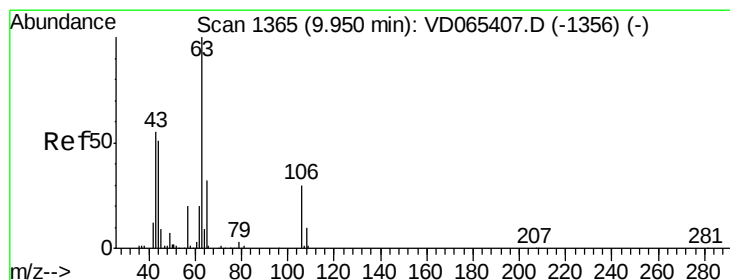
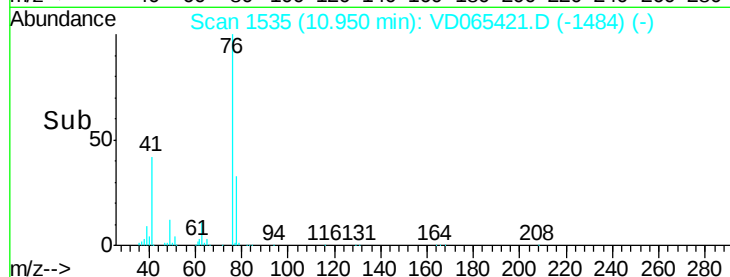
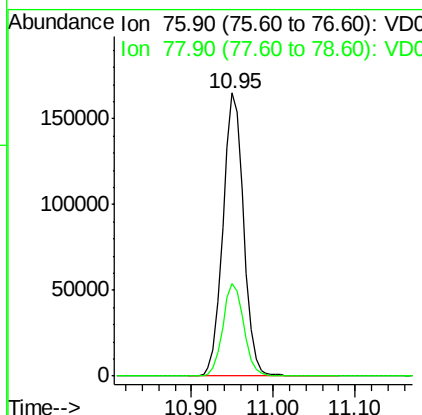
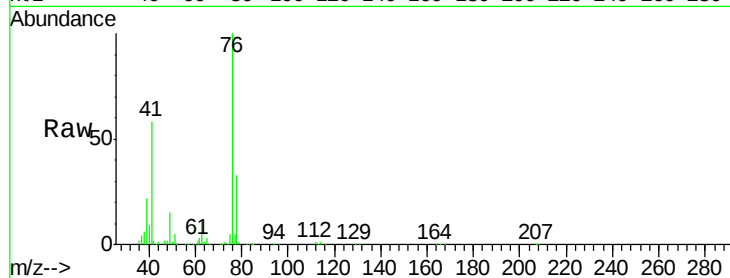
#57
 1,3-Dichloropropane
 Concen: 53.009 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.0	39.0

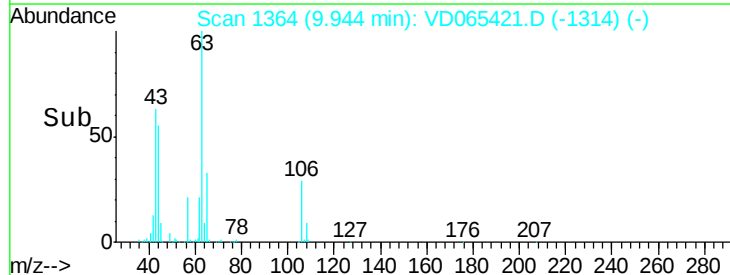
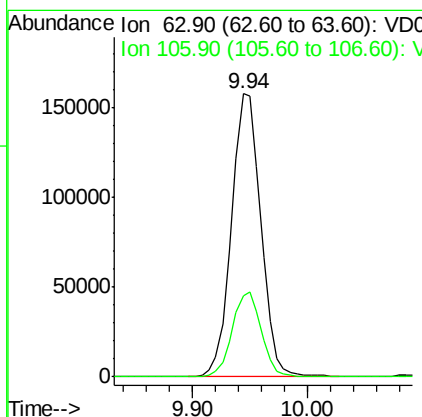
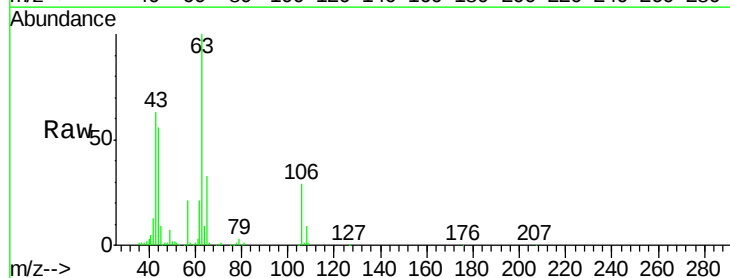
Manual Integrations
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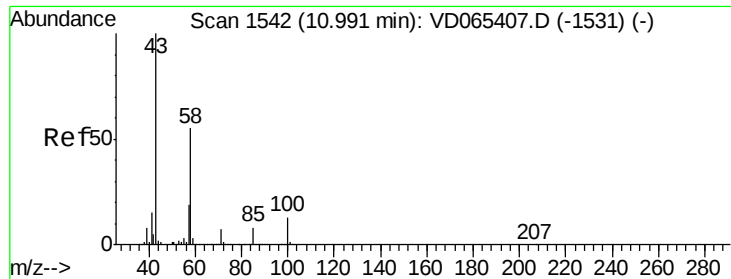
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#58
 2-Chloroethyl Vinyl ether
 Concen: 245.010 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.7	23.3	34.9





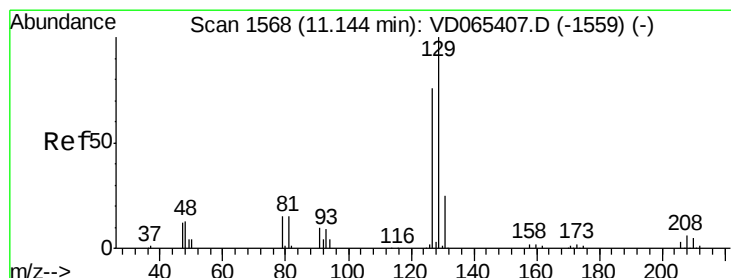
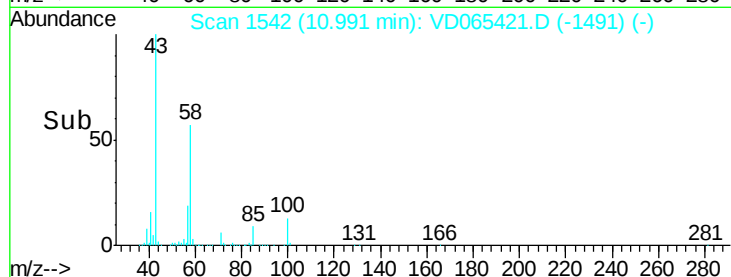
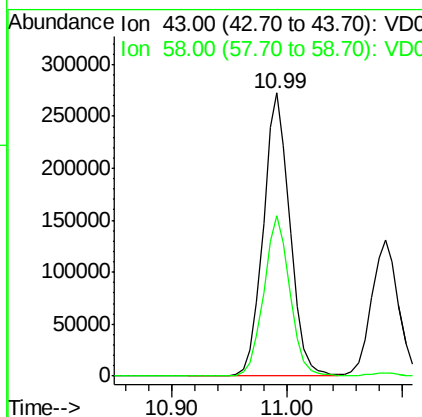
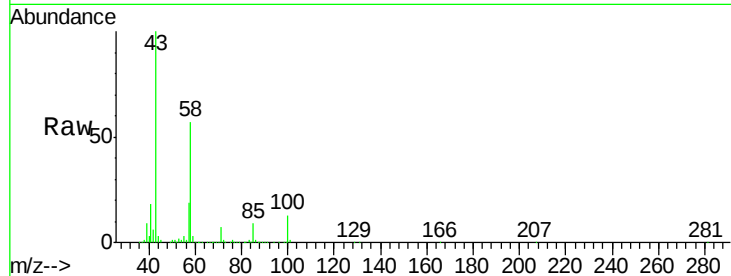
#59
2-Hexanone
Concen: 270.591 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 437140
Ion Ratio Lower Upper
43 100
58 55.4 27.4 82.2

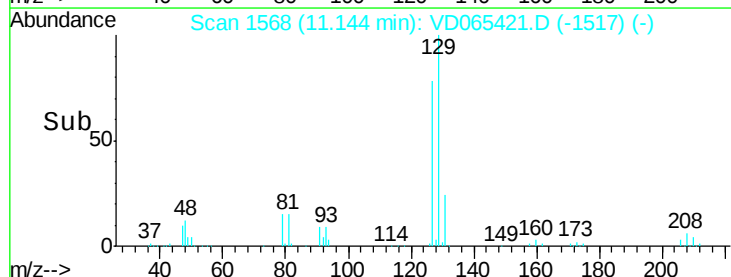
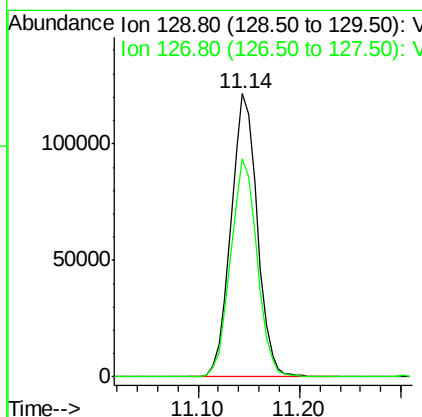
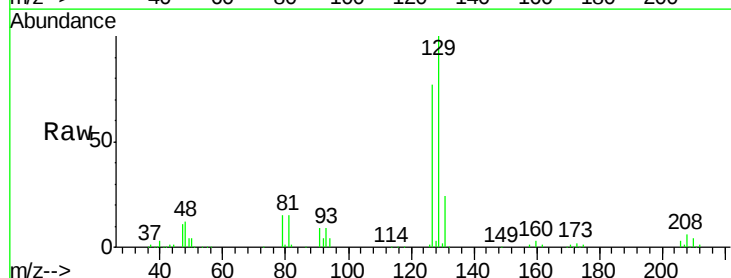
Manual Integrations
APPROVED

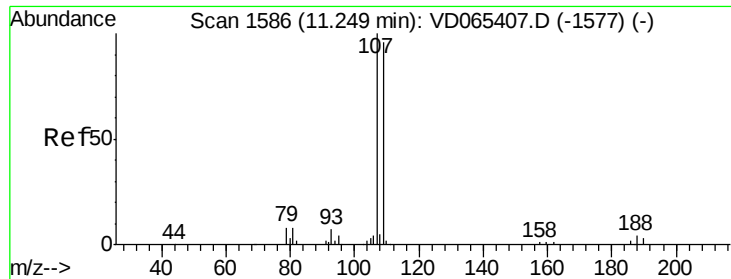
MMDadoda
3/5/2020 1:39:21 PM



#60
Dibromochloromethane
Concen: 52.899 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion: 129 Resp: 219240
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.228 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 164158

Ion Ratio Lower Upper

107 100

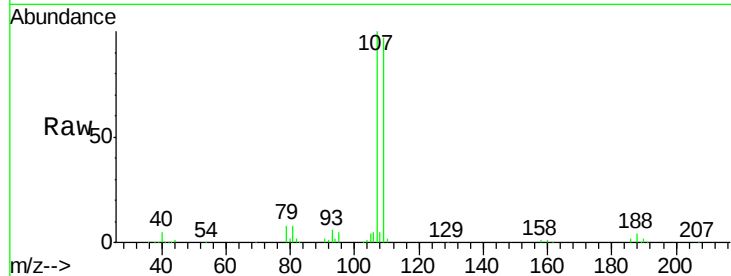
109 93.8 76.8 115.2

Manual Integrations

APPROVED

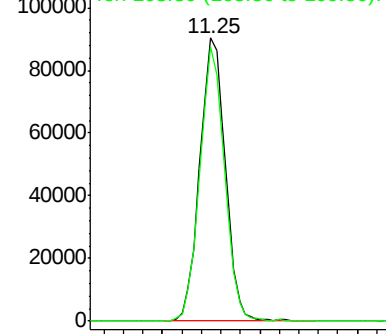
MMDadoda

3/5/2020 1:39:21 PM

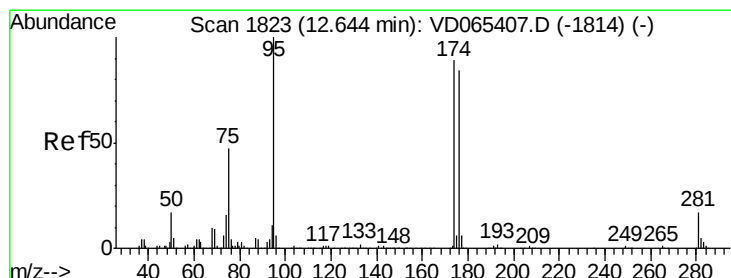
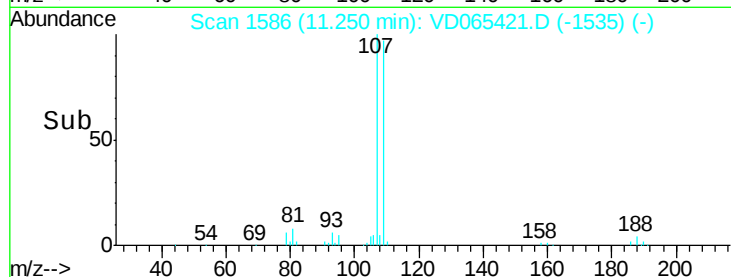


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 53.764 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

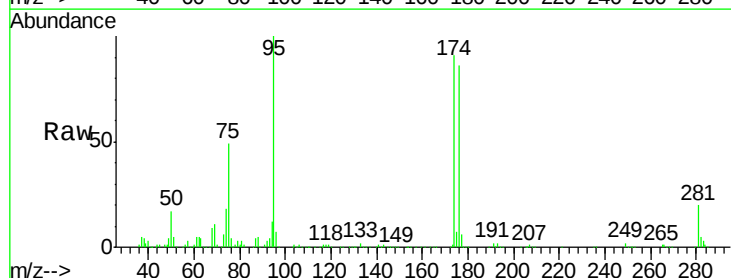
Tgt Ion: 95 Resp: 266932

Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.8

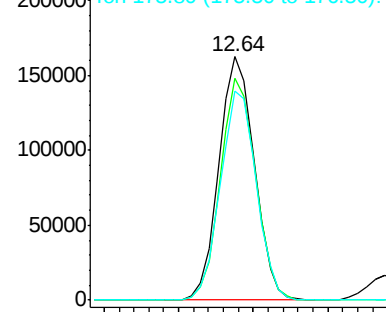
176 86.8 0.0 171.4



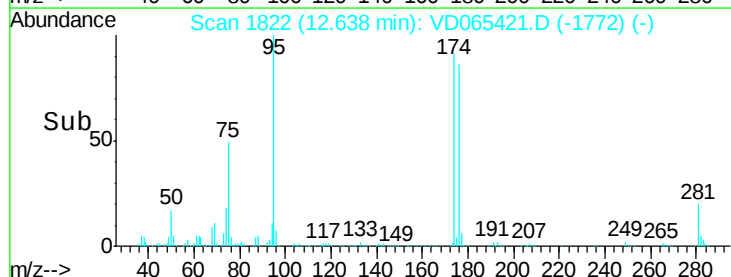
Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





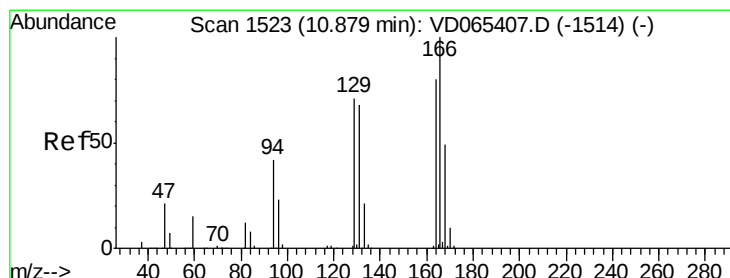
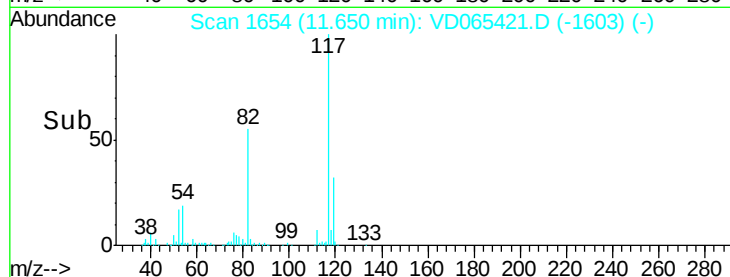
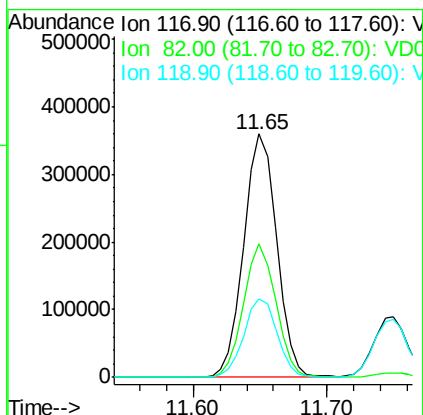
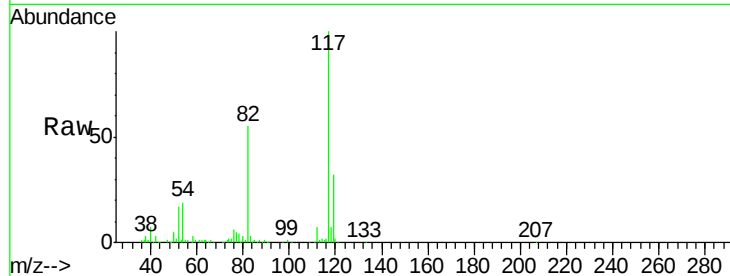
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.8	40.6	60.8
119	32.4	25.4	38.2

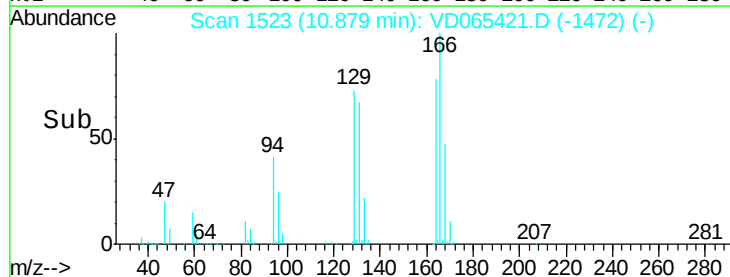
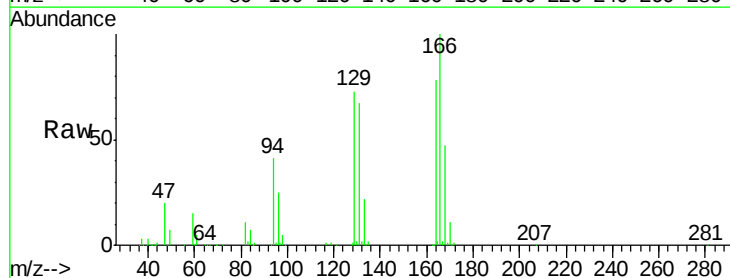
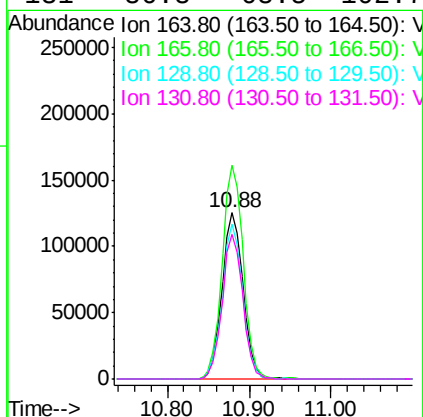
Manual Integrations
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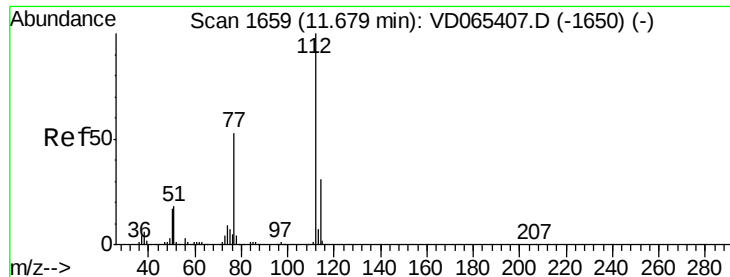
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#64
Tetrachloroethene
Concen: 50.991 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.7	100.5	150.7
129	93.4	71.5	107.3
131	86.8	68.5	102.7





#65

Chlorobenzene

Concen: 51.826 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 630704

Ion Ratio Lower Upper

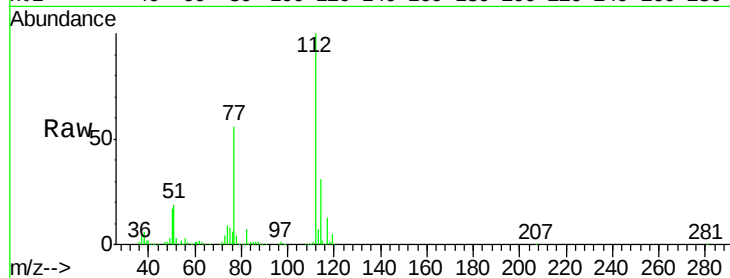
112 100

114 31.2 24.4 36.6

Manual Integrations
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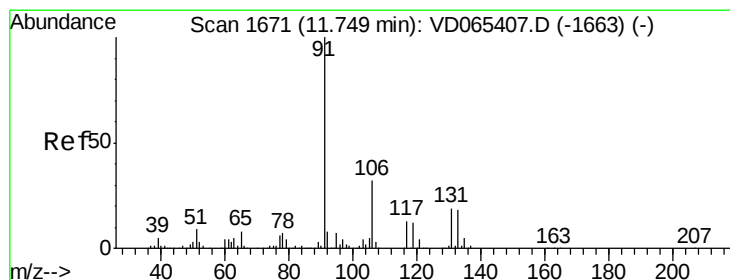
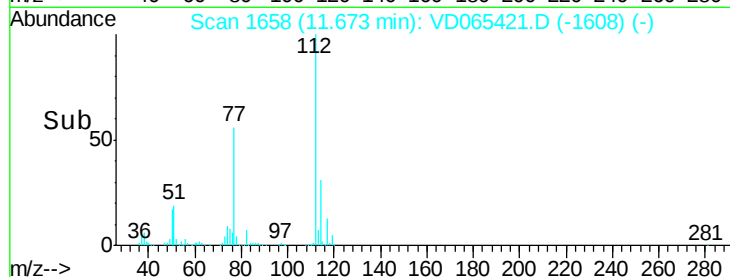
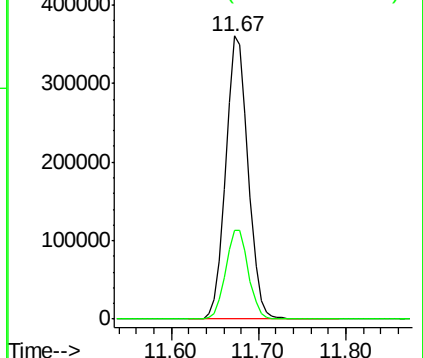
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 53.456 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

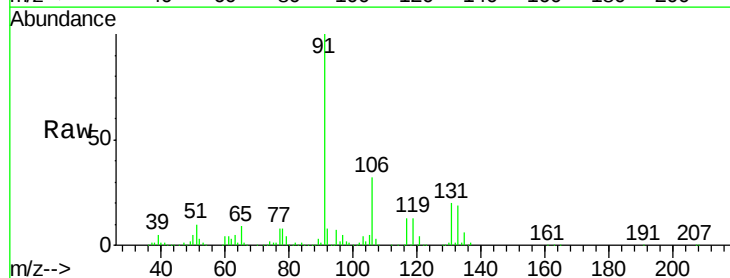
Tgt Ion:131 Resp: 236931

Ion Ratio Lower Upper

131 100

133 95.2 49.2 147.6

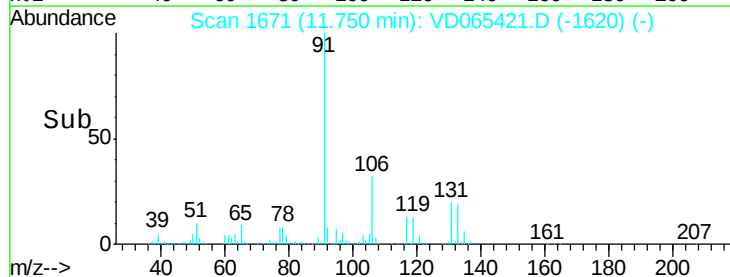
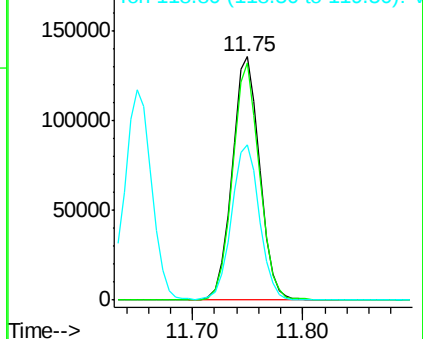
119 64.6 33.3 99.8

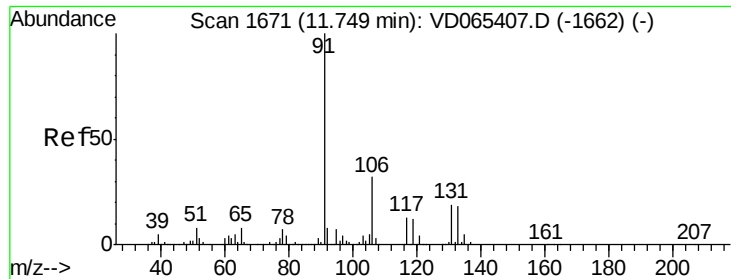


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 53.228 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 91 Resp: 1119279

Ion Ratio Lower Upper

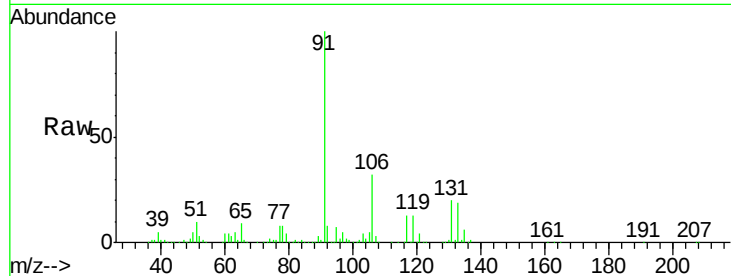
91 100

106 32.0 25.2 37.8

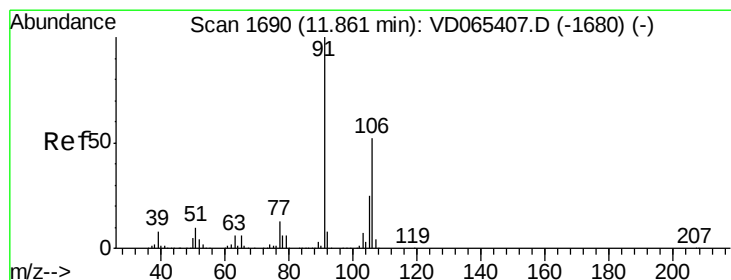
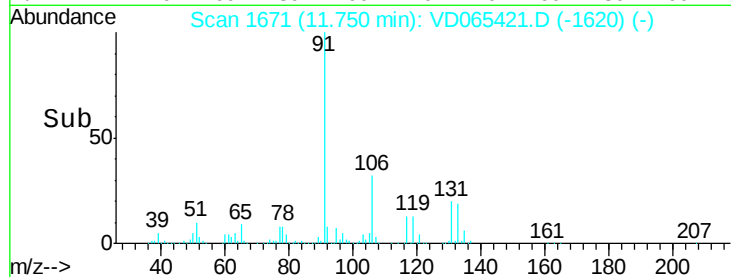
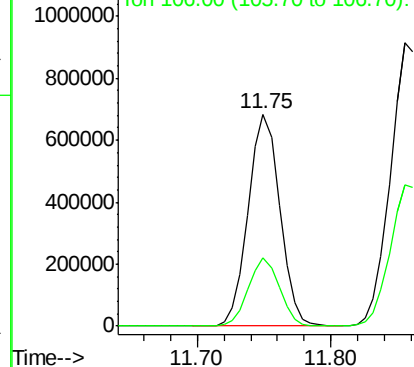
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Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 108.101 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065421.D

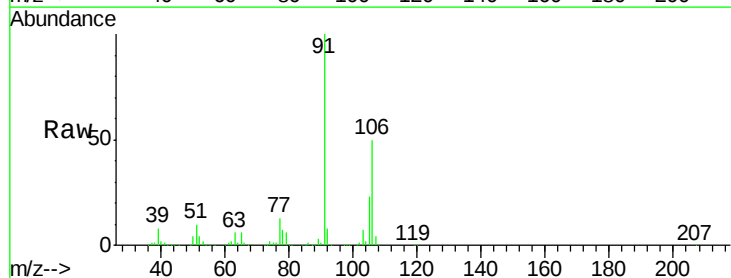
Acq: 04 Mar 2020 20:06

Tgt Ion: 106 Resp: 876491

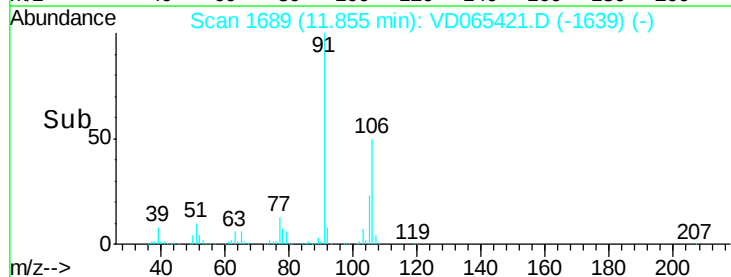
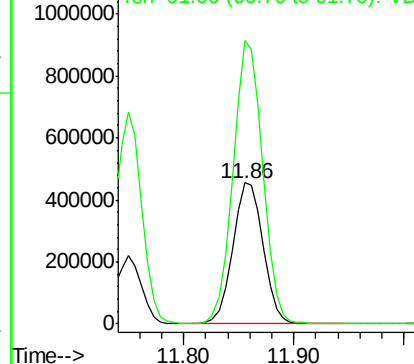
Ion Ratio Lower Upper

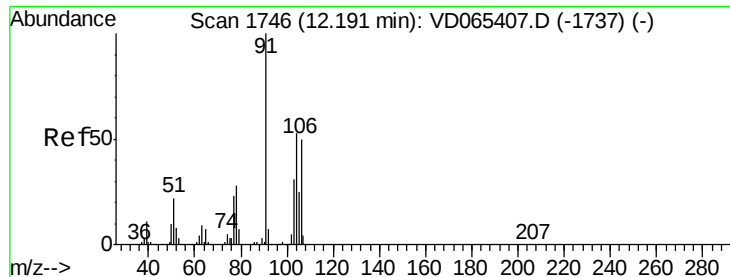
106 100

91 196.4 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC





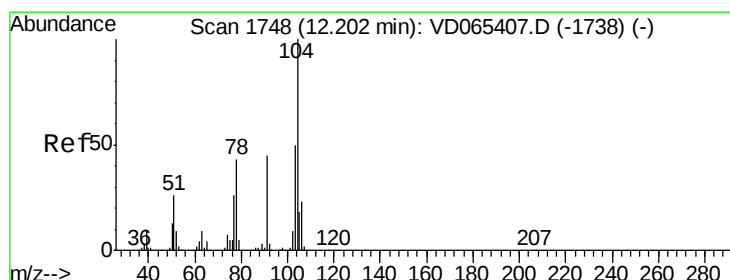
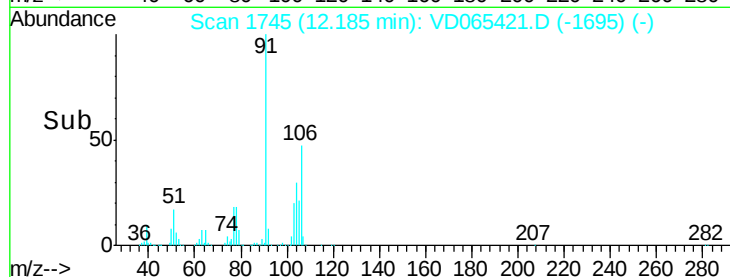
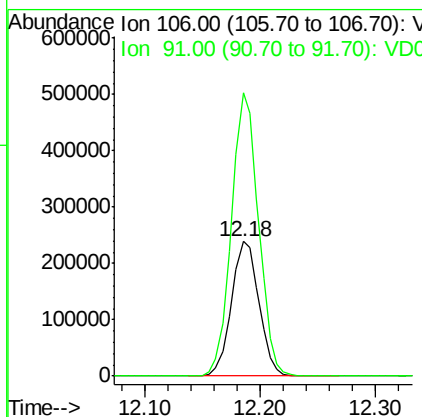
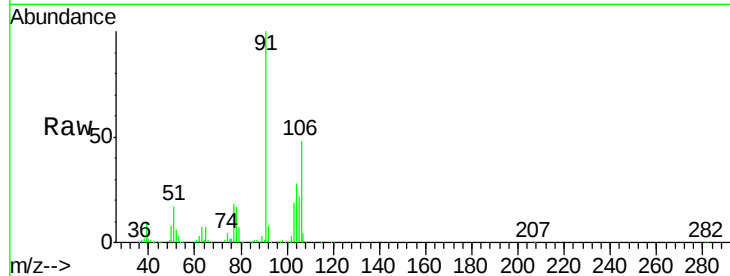
#69
o-Xylene
Concen: 55.332 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.5	103.5	310.3

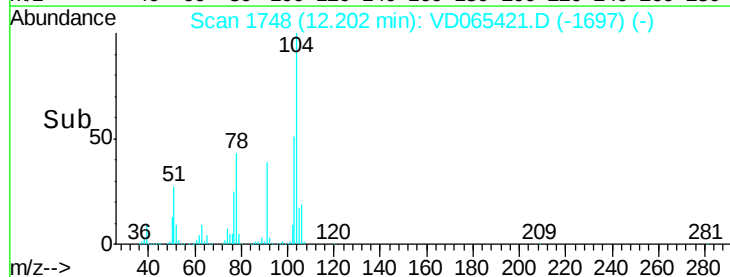
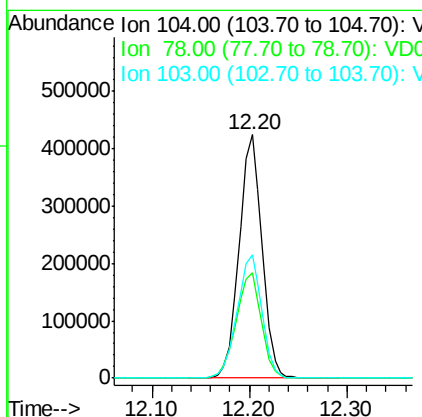
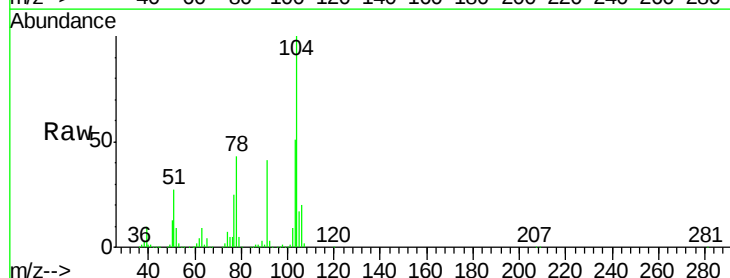
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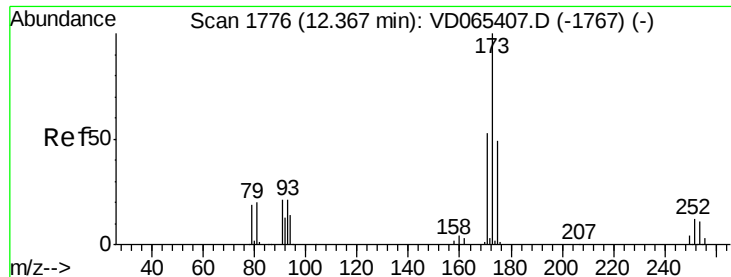
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#70
Styrene
Concen: 54.861 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	37.7	56.5
103	54.6	43.6	65.4





#71

Bromoform

Concen: 52.815 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

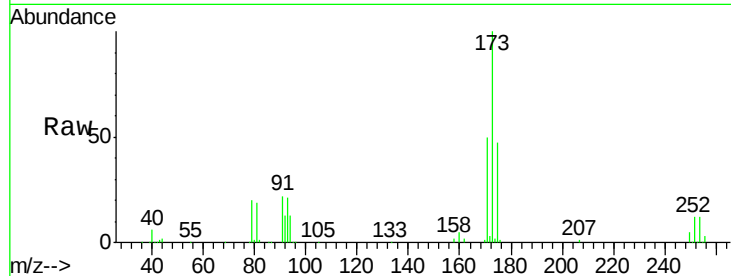
ClientSampleId :

VSTDCCC050EC

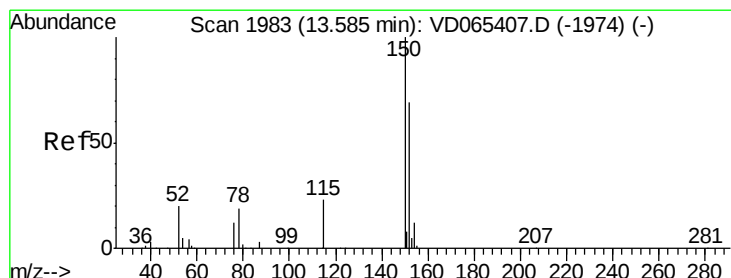
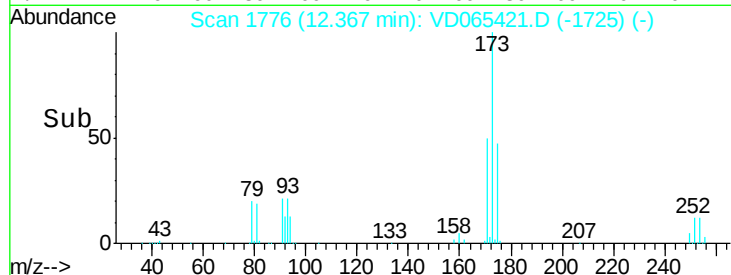
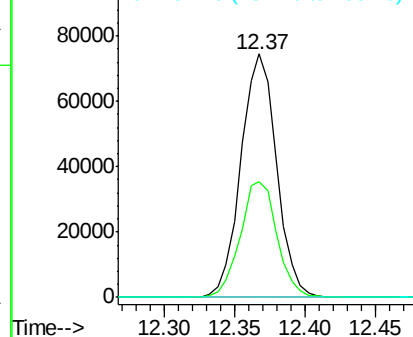
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	73.0
254	0.2	0.1	0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

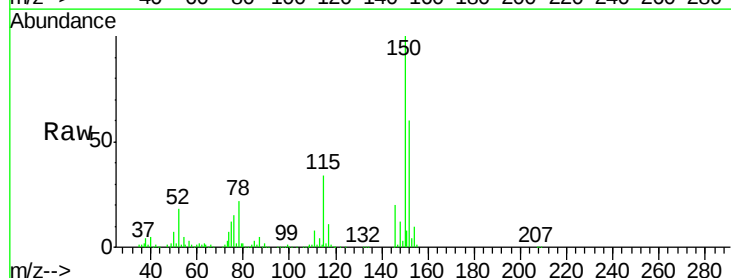
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

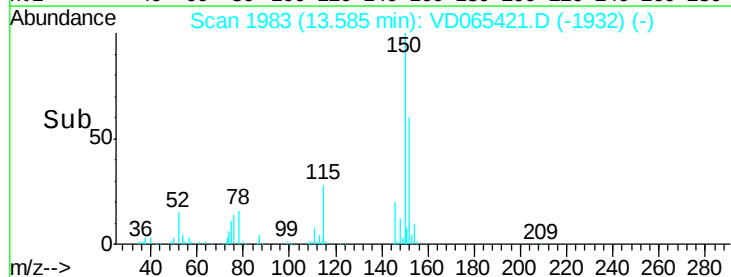
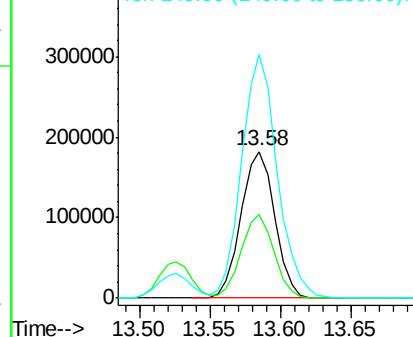
Lab File: VD065421.D

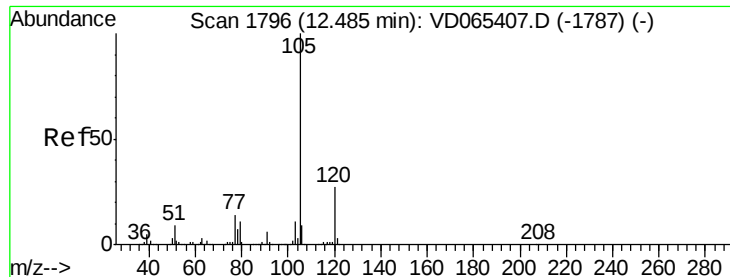
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.6	82.8
150	175.5	0.0	345.0



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





#73

Isopropylbenzene

Concen: 53.039 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1059754

Ion Ratio Lower Upper

105 100

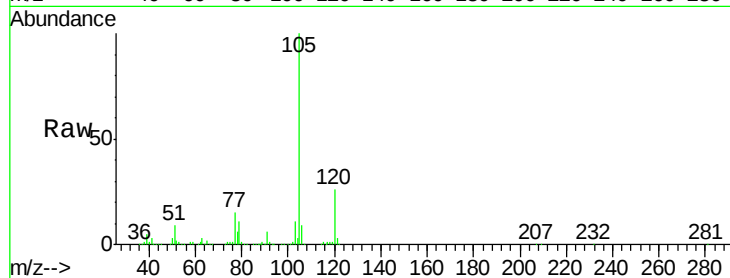
120 27.0 13.5 40.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

600000

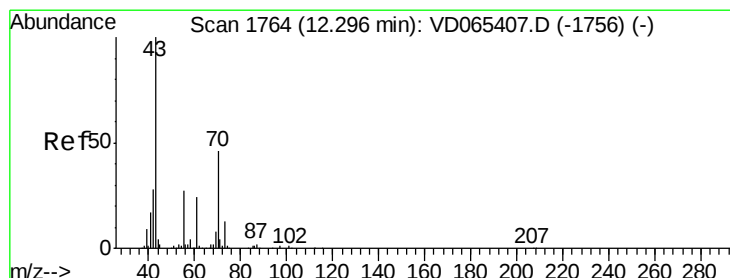
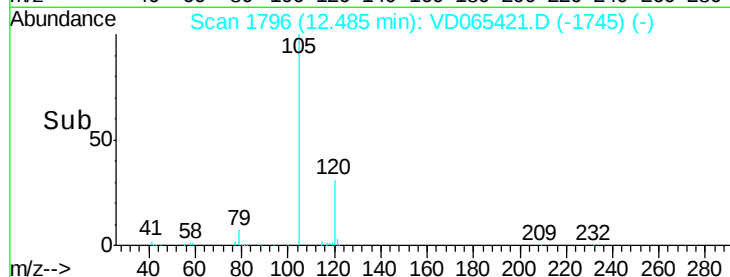
400000

200000

0

Time-->

12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 54.838 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion: 43 Resp: 224315

Ion Ratio Lower Upper

43 100

70 45.2 36.1 54.1

55 27.3 21.6 32.4

61 24.8 19.6 29.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

200000

150000

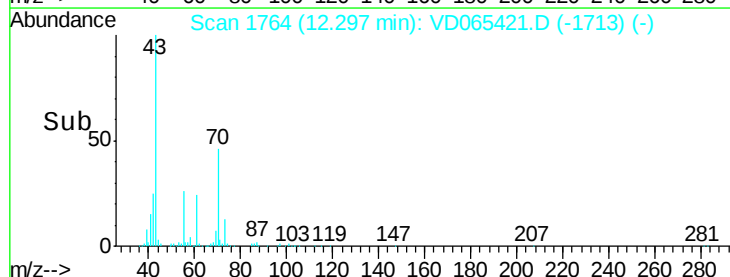
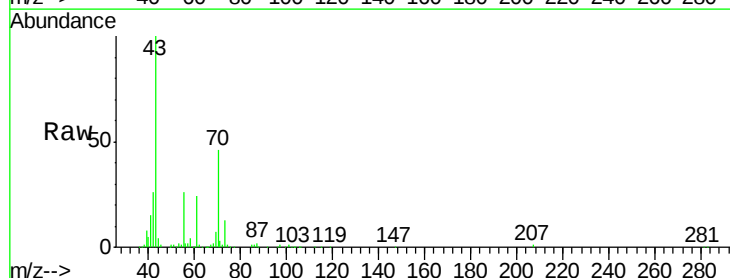
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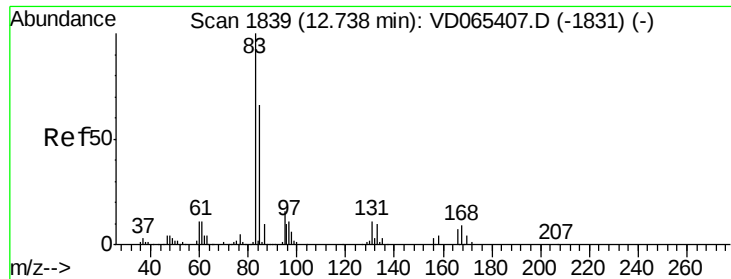
50000

0

Time-->

12.20 12.30 12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 51.948 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

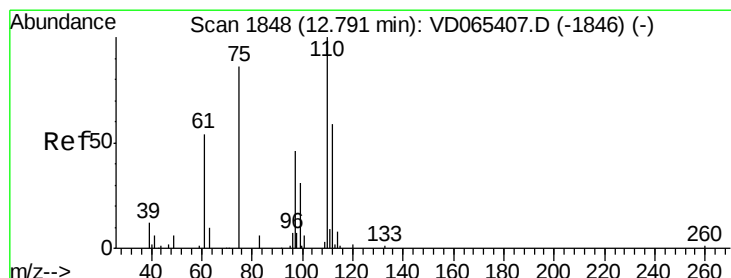
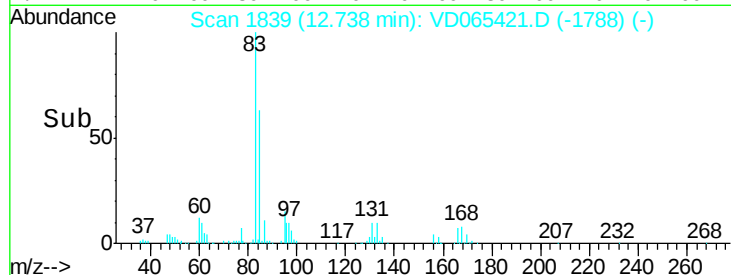
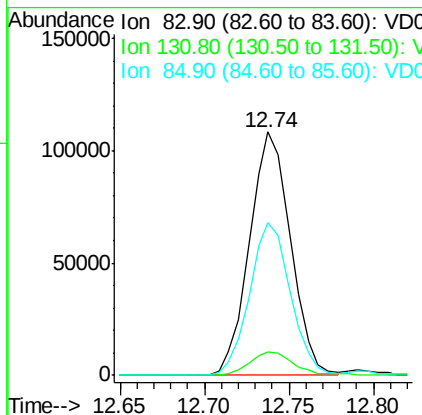
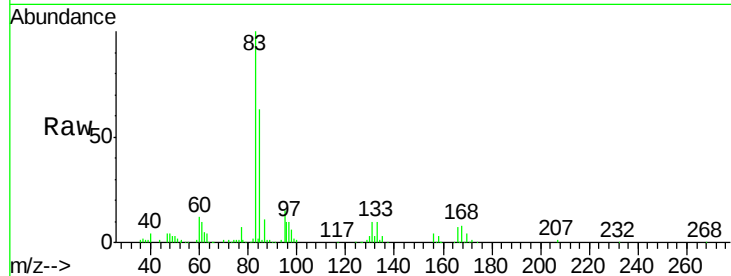
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	182449
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	62.5	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.627 ug/l m

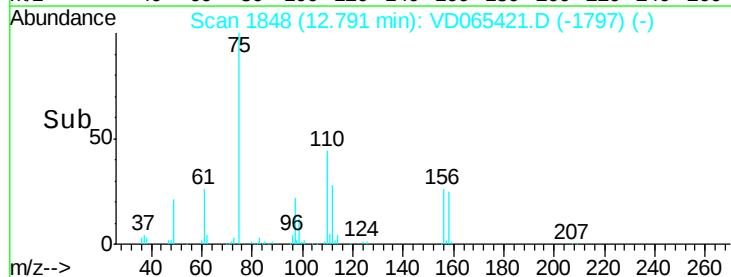
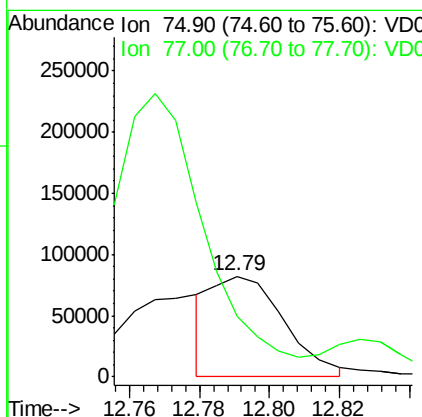
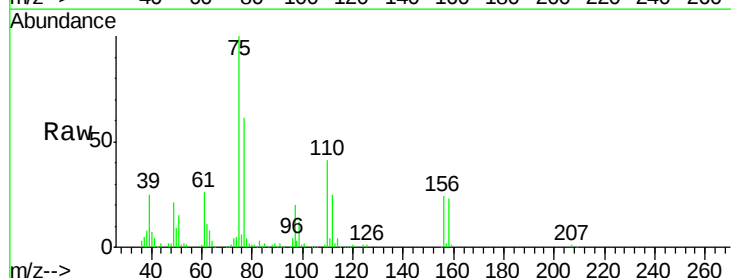
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion:	75	Resp:	118957
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





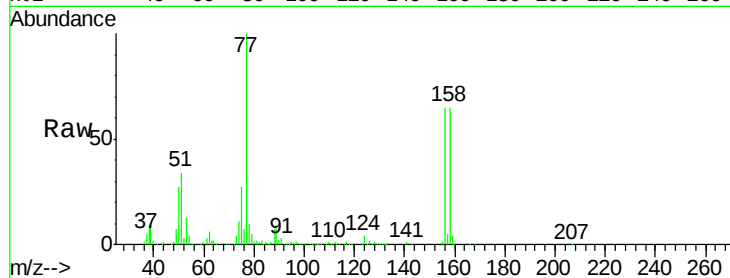
#77
Bromobenzene
Concen: 52.481 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

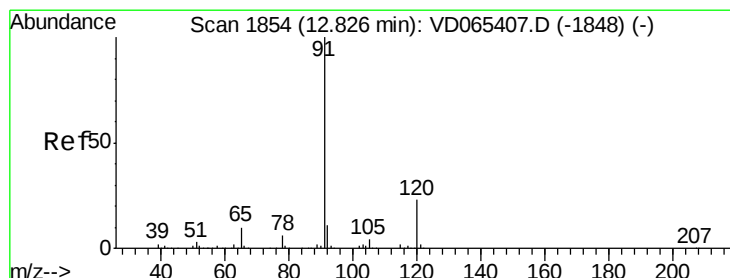
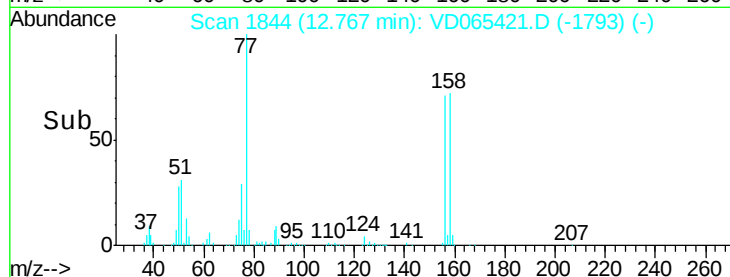
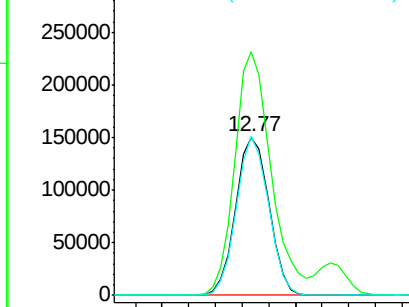
Tot Ion	Ratio	Lower	Upper
156	100		
77	167.9	84.9	254.6
158	97.3	49.0	147.2

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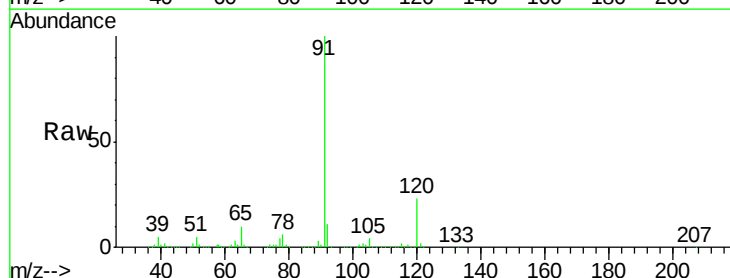


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

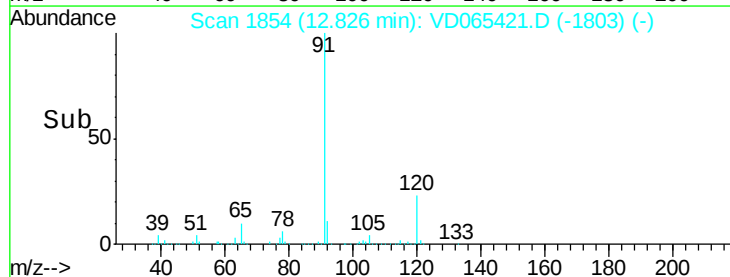
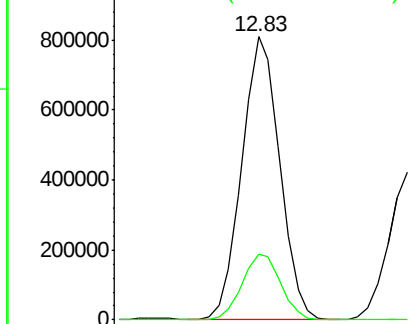


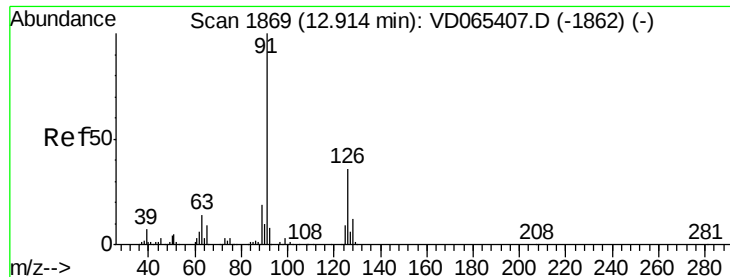
#78
n-propylbenzene
Concen: 53.237 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	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: 53.006 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 708211

Ion Ratio Lower Upper

91 100

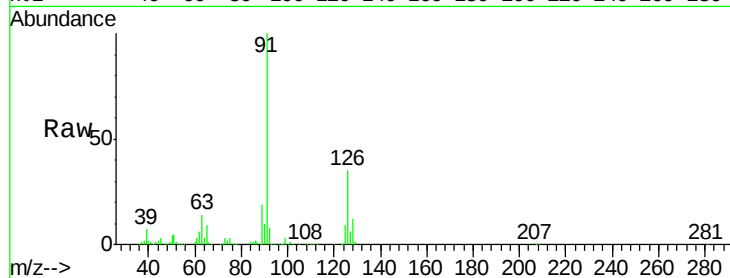
126 34.9 17.9 53.8

Manual Integrations

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

Ion 125.90 (125.60 to 126.60): VD065407.D (-1862) (-)

12.91

400000

300000

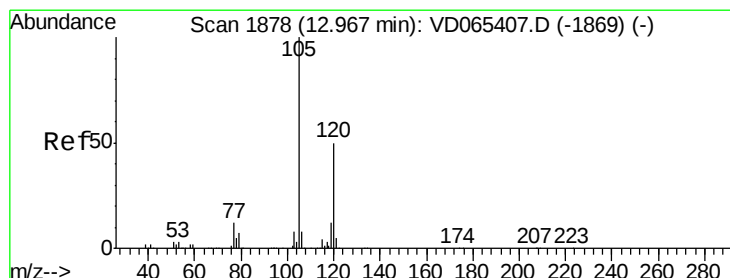
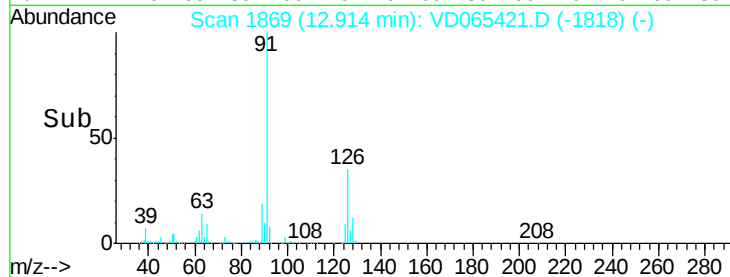
200000

100000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.454 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065421.D

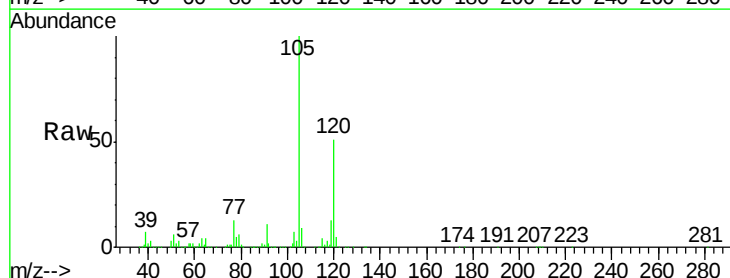
Acq: 04 Mar 2020 20:06

Tgt Ion: 105 Resp: 878048

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) (-)

Ion 120.00 (119.70 to 120.70): VD065407.D (-1869) (-)

12.97

600000

500000

400000

300000

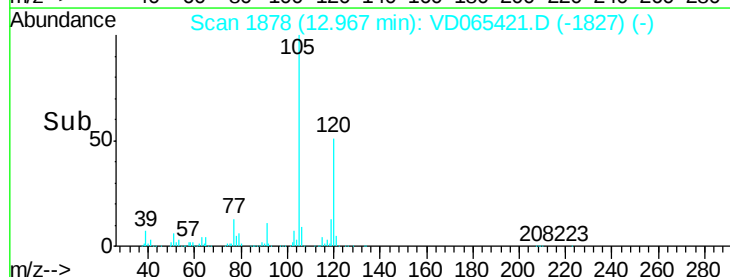
200000

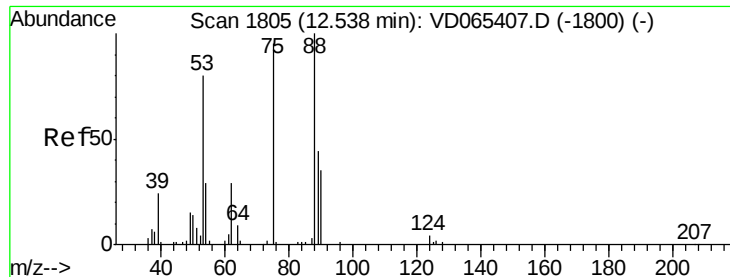
100000

0

12.90 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.028 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

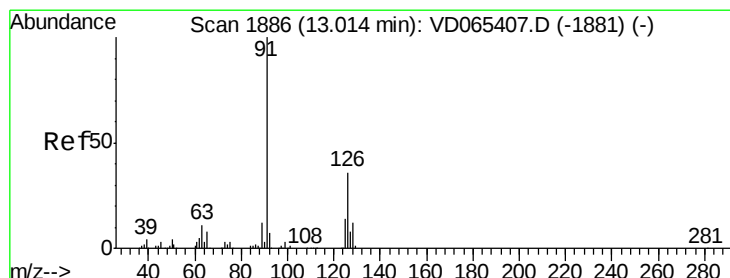
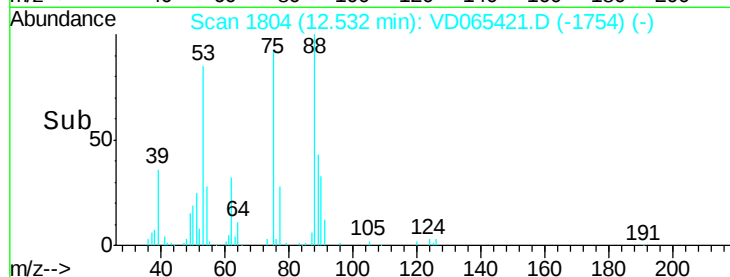
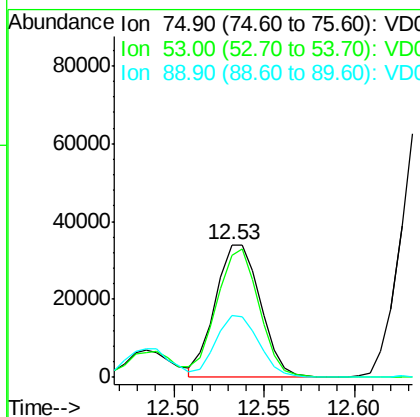
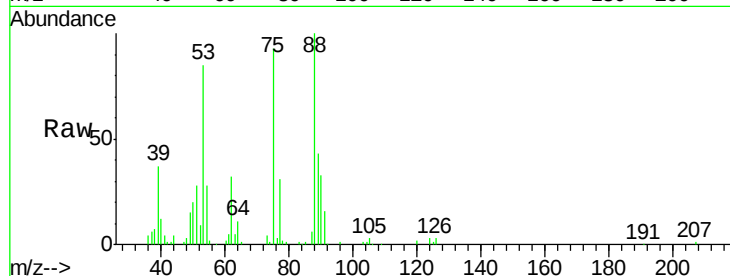
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	59097
Ion	Ratio	Lower	Upper
75	100		
53	91.0	71.3	106.9
89	44.8	37.0	55.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.722 ug/l

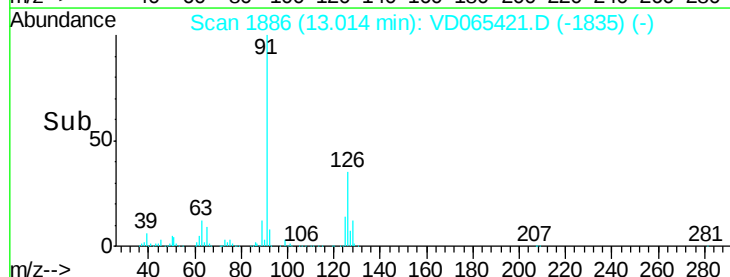
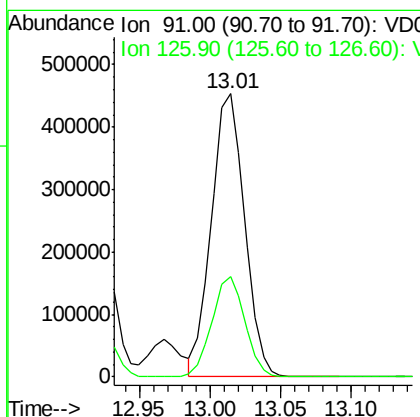
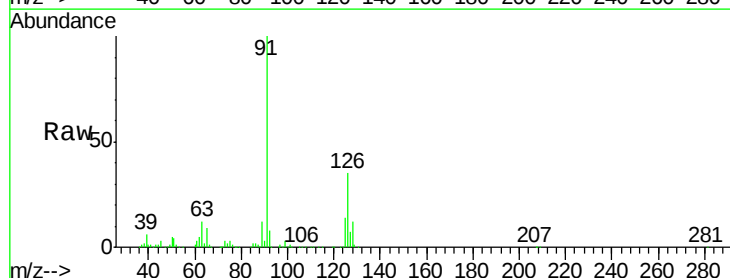
RT: 13.01 min Scan# 1886

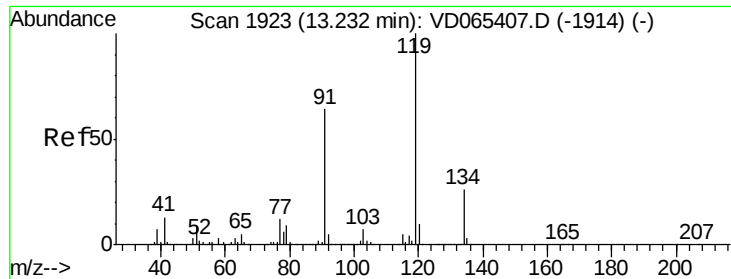
Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion:	91	Resp:	740223
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.6	52.8





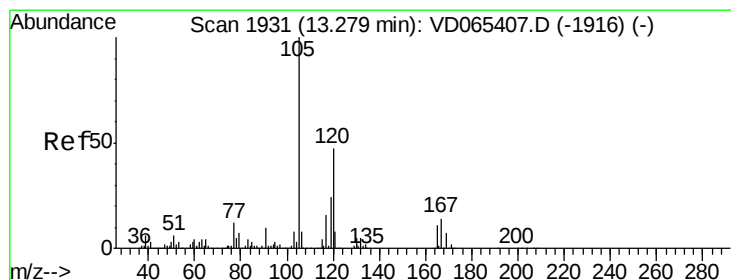
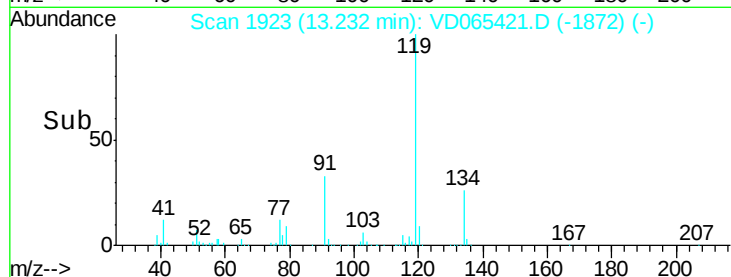
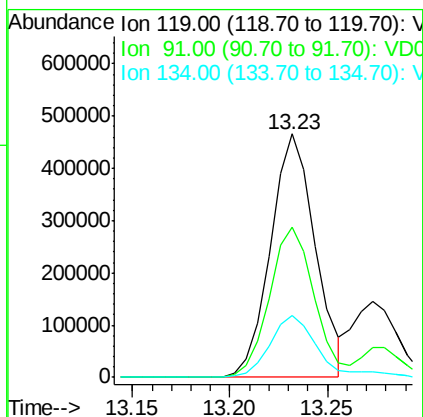
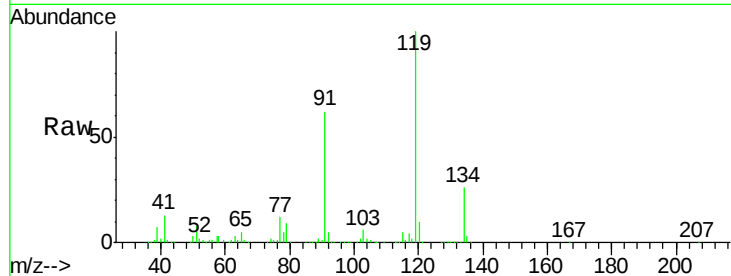
#83
tert-Butylbenzene
Concen: 53.041 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.6	95.0
134	27.7	14.2	42.8

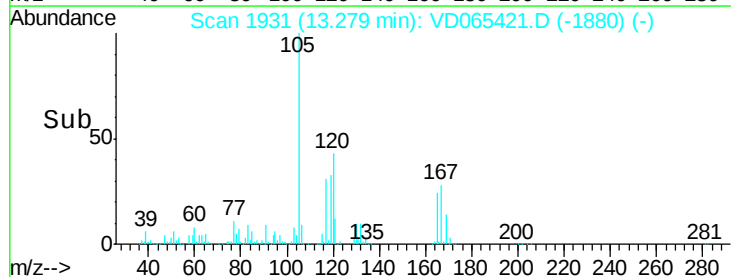
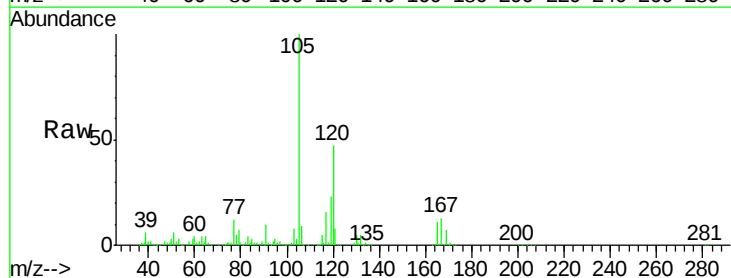
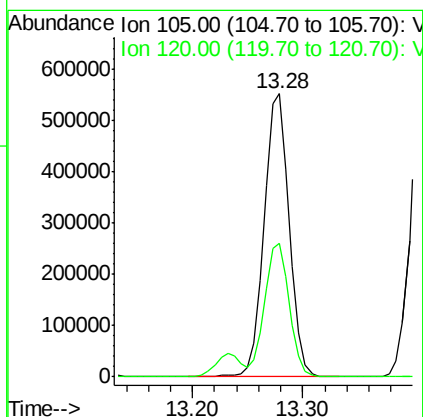
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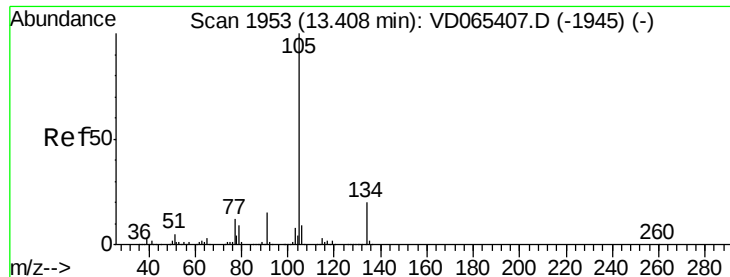
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#84
1,2,4-Trimethylbenzene
Concen: 54.341 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.4	70.3





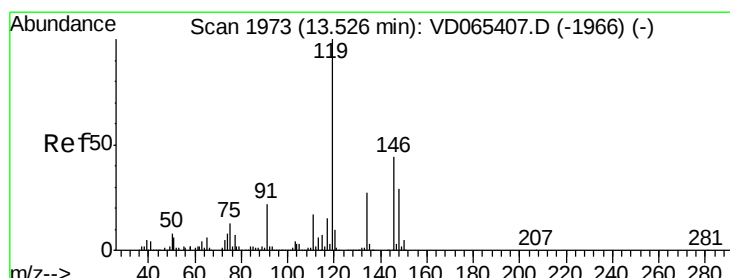
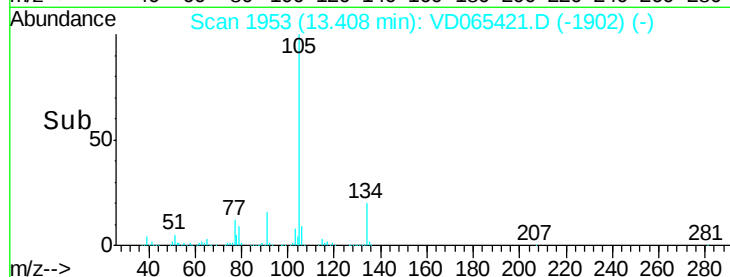
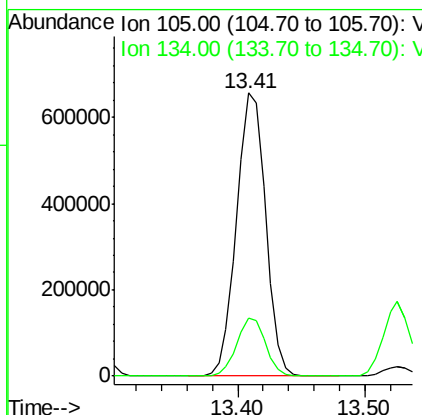
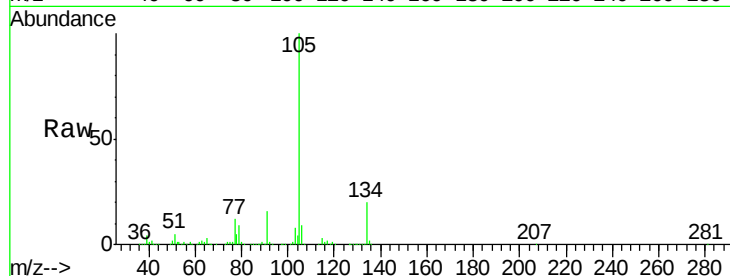
#85
 sec-Butylbenzene
 Concen: 52.669 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1044772
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.3 30.9

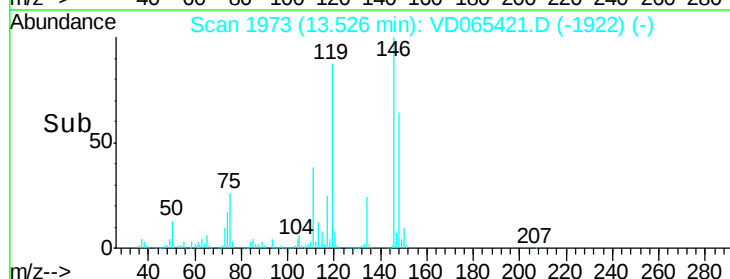
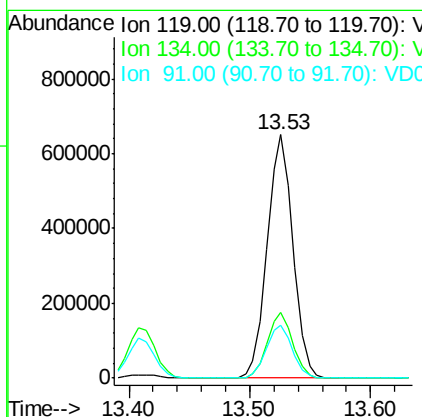
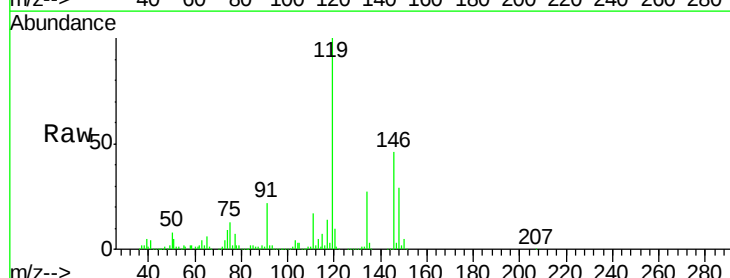
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#86
 p-Isopropyltoluene
 Concen: 53.317 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion:119 Resp: 965078
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.9
 91 21.8 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 51.515 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

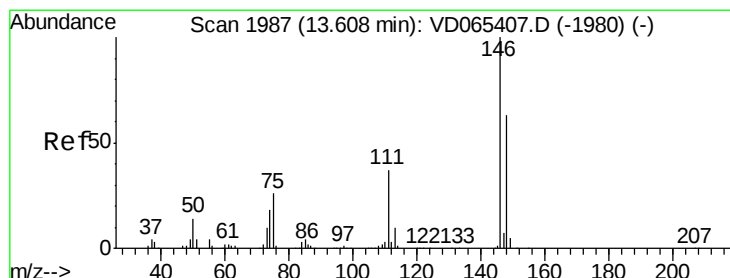
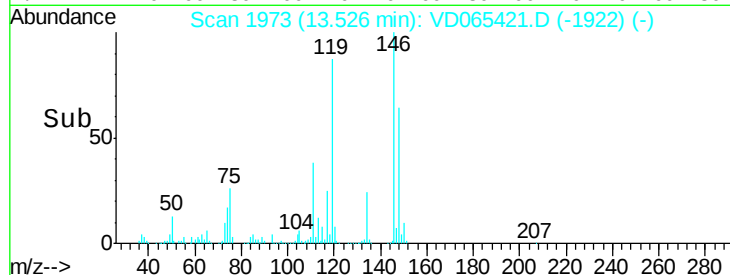
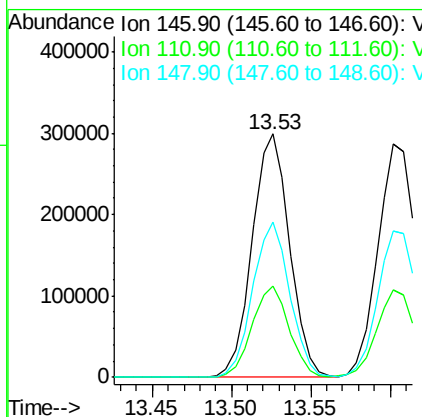
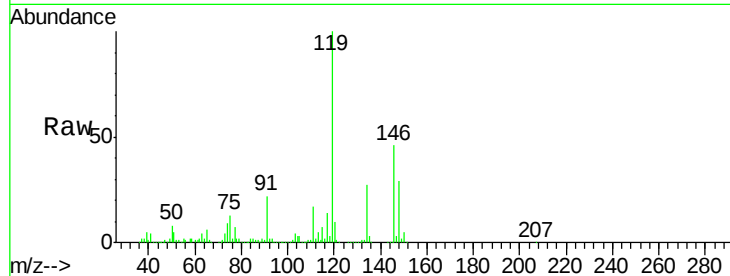
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	491664
Ion Ratio	Lower	Upper	
146	100		
111	37.2	19.1	57.1
148	63.2	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 50.343 ug/l

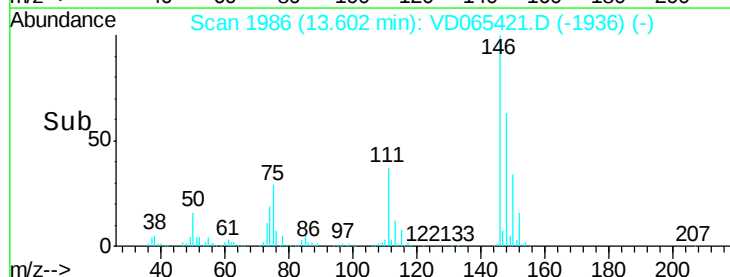
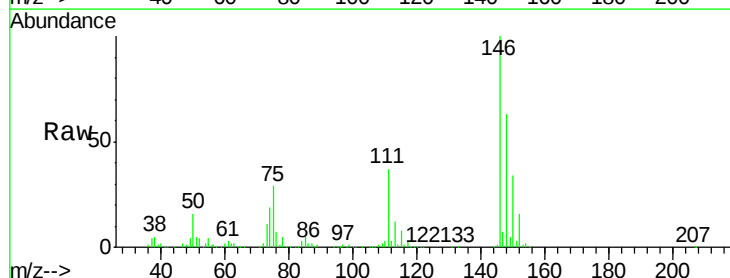
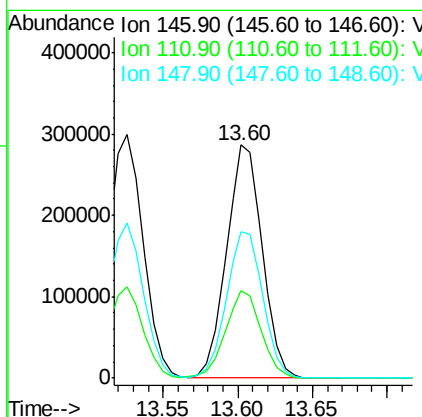
RT: 13.60 min Scan# 1986

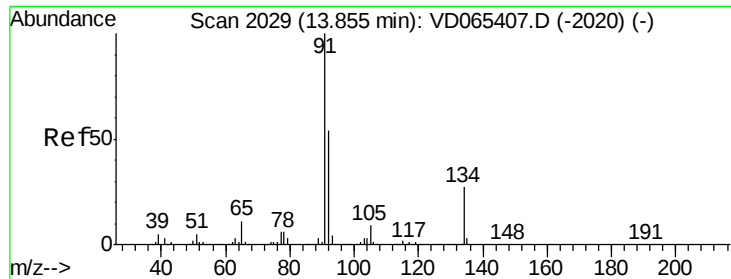
Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion:	146	Resp:	477942
Ion Ratio	Lower	Upper	
146	100		
111	37.3	18.5	55.5
148	64.1	32.0	96.0





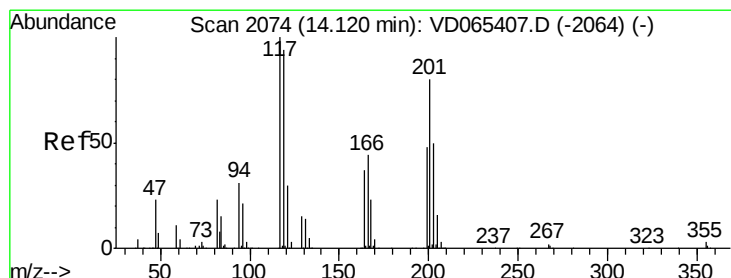
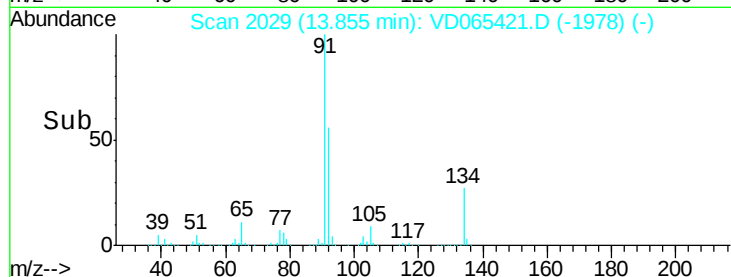
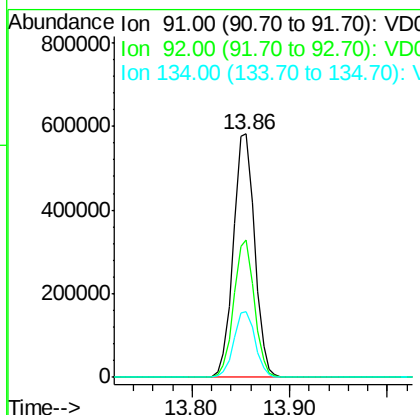
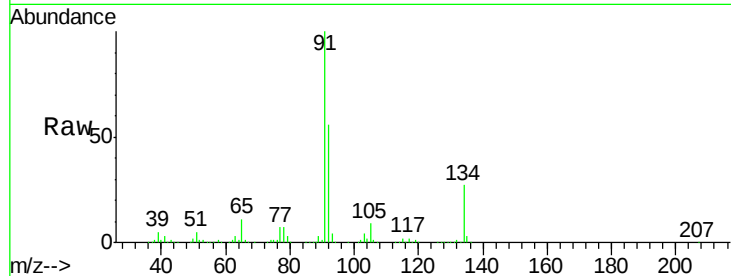
#89
n-Butylbenzene
Concen: 52.684 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.8	80.4
134	27.1	13.4	40.2

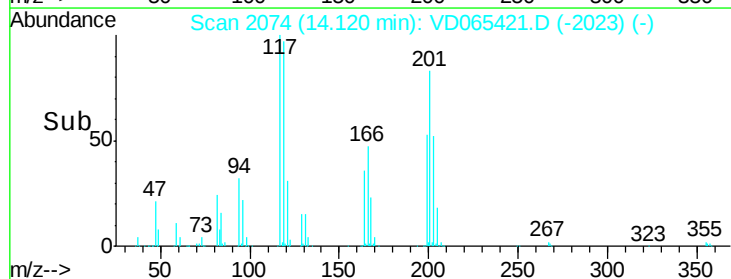
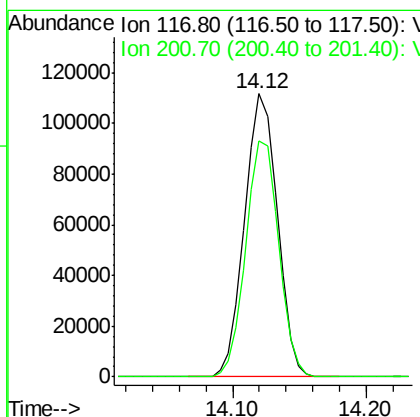
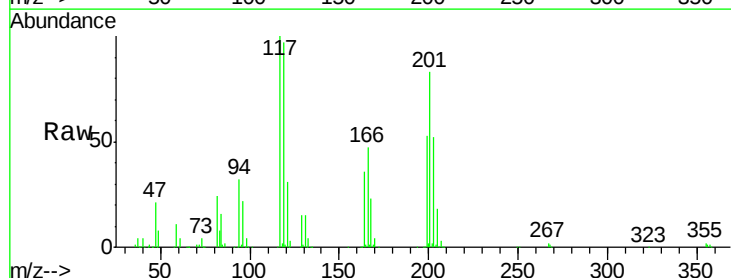
Manual Integrations
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3/5/2020 1:39:21 PM



#90
Hexachloroethane
Concen: 50.793 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	41.9	125.6





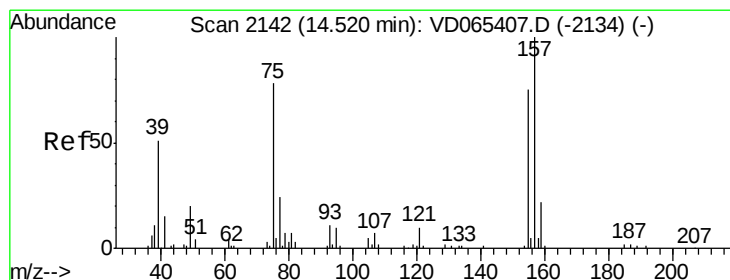
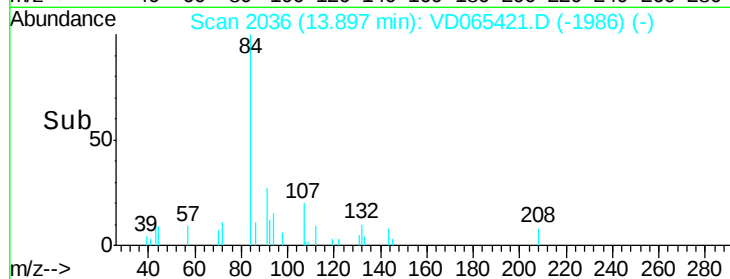
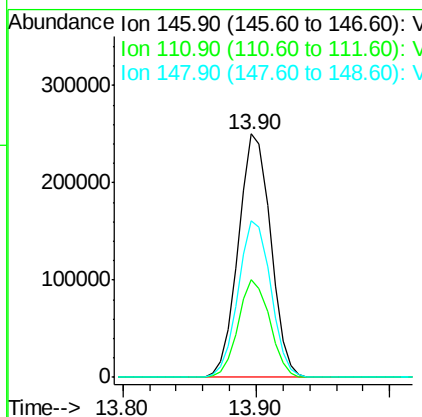
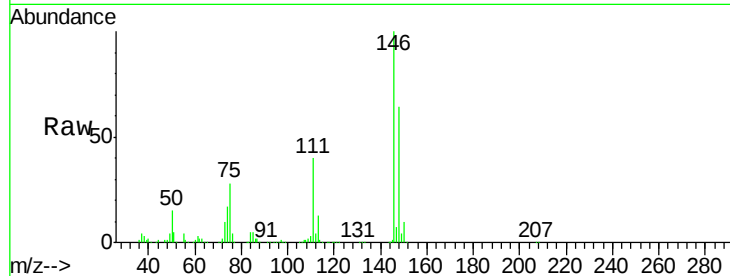
#91
 1,2-Dichlorobenzene
 Concen: 51.749 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.9	32.6	97.8

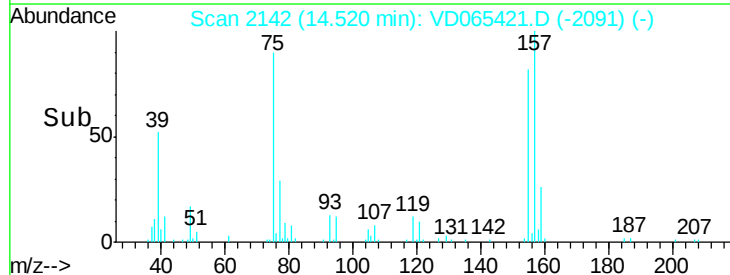
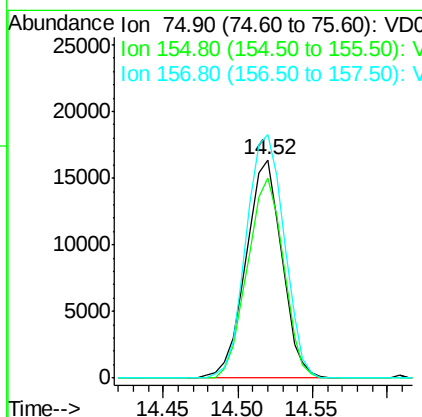
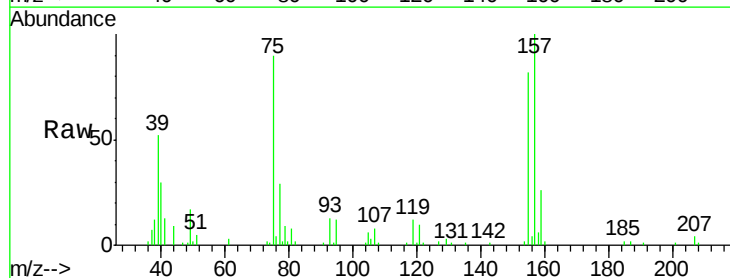
Manual Integrations
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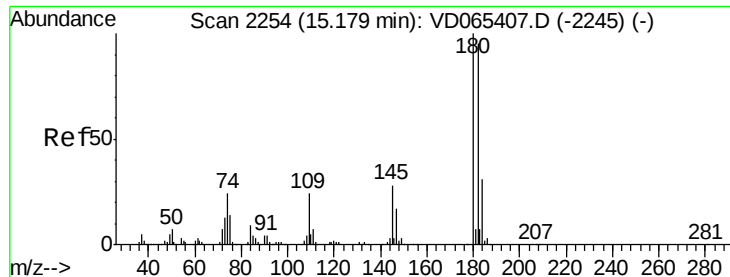
MMDadoda
 3/5/2020 1:39:21 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.030 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065421.D
 Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	46.4	139.1
157	117.9	60.2	180.4





#93

1,2,4-Trichlorobenzene

Concen: 52.356 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Instrument :

MSVOA_D

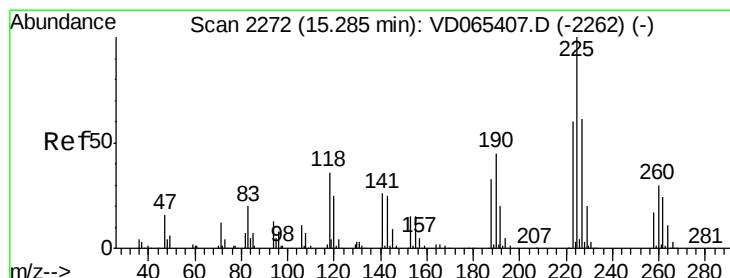
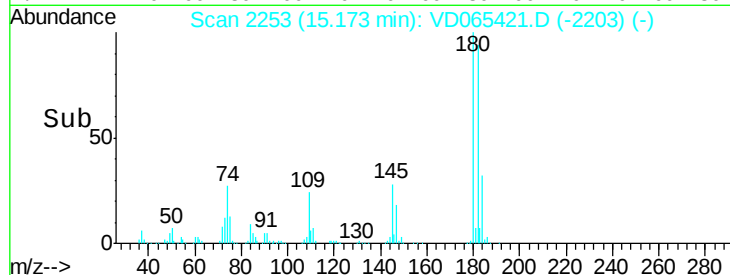
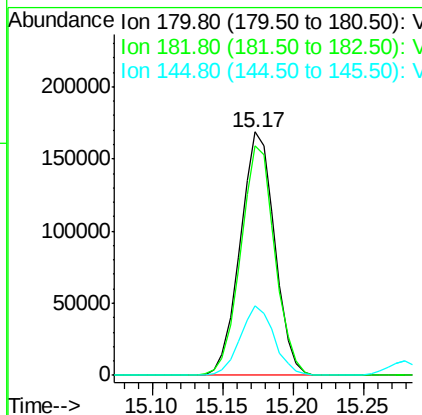
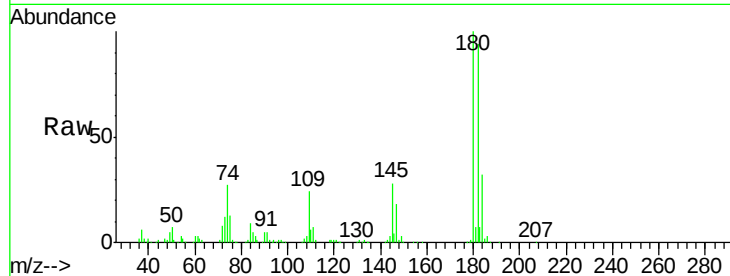
ClientSampleId :

VSTDCCC050EC

Tot Ion:	180	Resp:	288206
Ion Ratio	Lower	Upper	
180	100		
182	93.7	48.3	144.9
145	27.9	14.4	43.4

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 49.679 ug/l

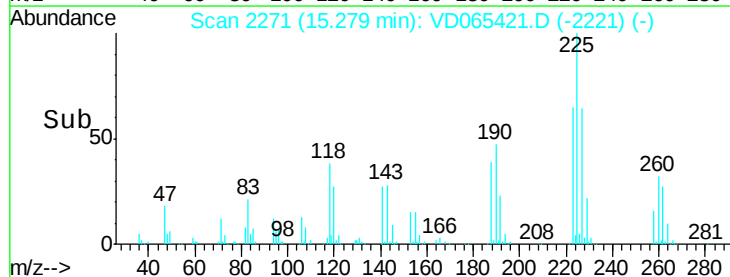
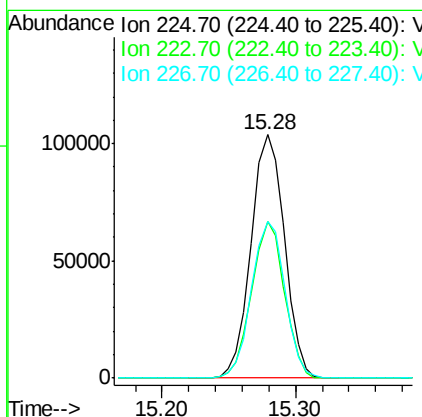
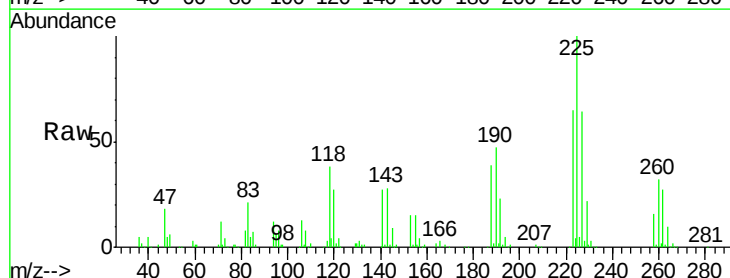
RT: 15.28 min Scan# 2271

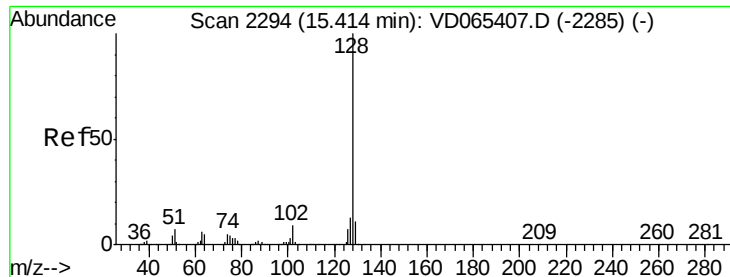
Delta R.T. -0.01 min

Lab File: VD065421.D

Acq: 04 Mar 2020 20:06

Tgt Ion:	225	Resp:	179689
Ion Ratio	Lower	Upper	
225	100		
223	63.2	30.9	92.5
227	64.3	31.6	94.7





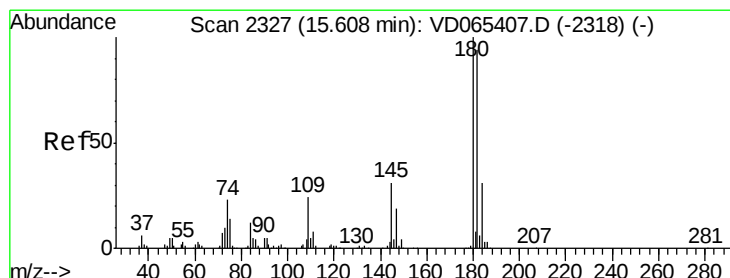
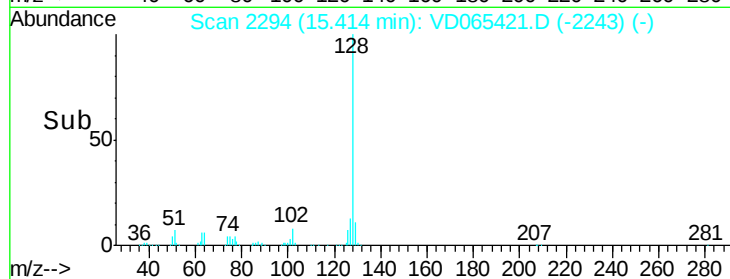
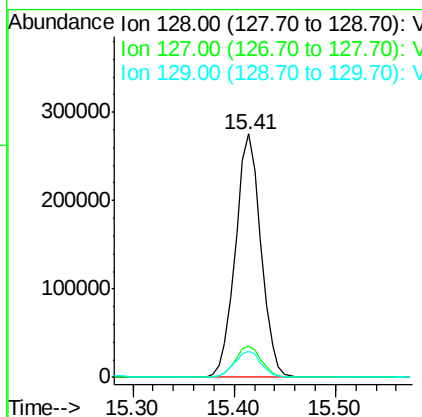
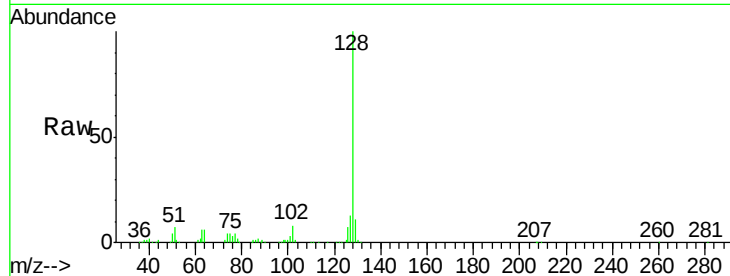
#95
Naphthalene
Concen: 48.940 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	11.0	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 53.031 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065421.D
Acq: 04 Mar 2020 20:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	46.9	140.6
145	30.9	15.0	45.1

