

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065416.D
 Acq On : 04 Mar 2020 17:46
 Operator : VA/SY
 Sample : VD0304SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:39:08 PM

Quant Time: Mar 05 02:27:08 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	474819	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	715441	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	643714	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	316191	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	210327	51.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.28%	
35) Dibromofluoromethane	7.92	113	223296	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
50) Toluene-d8	10.34	98	872485	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
62) 4-Bromofluorobenzene	12.64	95	277496	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94130	23.067	ug/l	98
3) Chloromethane	2.21	50	102964	20.899	ug/l	98
4) Vinyl Chloride	2.35	62	104581	21.521	ug/l	98
5) Bromomethane	2.76	94	67522	22.130	ug/l	97
6) Chloroethane	2.92	64	61990	20.828	ug/l	100
7) Trichlorofluoromethane	3.27	101	151909	21.215	ug/l	99
8) Diethyl Ether	3.70	74	43726	20.535	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	95231	20.650	ug/l	100
10) Methyl Iodide	4.29	142	101458	21.177	ug/l	98
11) Tert butyl alcohol	5.24	59	28748	123.052	ug/l	99
12) 1,1-Dichloroethene	4.06	96	93681	21.215	ug/l	97
13) Acrolein	3.92	56	40358	100.165	ug/l	98
14) Allyl chloride	4.71	41	140559	20.721	ug/l	99
15) Acrylonitrile	5.43	53	95688	103.294	ug/l	99
16) Acetone	4.16	43	80197	97.359	ug/l	94
17) Carbon Disulfide	4.40	76	309258	21.030	ug/l	99
18) Methyl Acetate	4.73	43	43058	20.607	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	180469	21.252	ug/l	96
20) Methylene Chloride	4.96	84	106208	21.793	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	102873	20.942	ug/l	96
22) Diisopropyl ether	6.37	45	276062	21.892	ug/l	95
23) Vinyl Acetate	6.31	43	744627	106.347	ug/l	100
24) 1,1-Dichloroethane	6.27	63	173712	21.477	ug/l	98
25) 2-Butanone	7.23	43	115164	102.450	ug/l #	88
26) 2,2-Dichloropropane	7.20	77	145612	20.601	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	107123	21.335	ug/l	98
28) Bromochloromethane	7.55	49	70667	21.837	ug/l	99
29) Tetrahydrofuran	7.57	42	74420	103.669	ug/l	99
30) Chloroform	7.71	83	173988	21.521	ug/l	98
31) Cyclohexane	7.98	56	168145	20.790	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	155094	20.759	ug/l	98
36) 1,1-Dichloropropene	8.11	75	140479	20.484	ug/l	99
37) Ethyl Acetate	7.31	43	51621	19.474	ug/l	99
38) Carbon Tetrachloride	8.10	117	142798	20.080	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164029	19.803	ug/l	93
40) Benzene	8.35	78	394095	20.553	ug/l	99
41) Methacrylonitrile	7.54	41	33843	24.142	ug/l #	77
42) 1,2-Dichloroethane	8.43	62	106606	21.291	ug/l	99
43) Isopropyl Acetate	8.46	43	96691	19.756	ug/l	97
44) Trichloroethene	9.11	130	110022	20.318	ug/l	100
45) 1,2-Dichloropropane	9.39	63	94855	20.422	ug/l	95
46) Dibromomethane	9.48	93	49847	20.690	ug/l	99
47) Bromodichloromethane	9.67	83	126739	20.221	ug/l	100
48) Methyl methacrylate	9.46	41	45424	19.730	ug/l	97
49) 1,4-Dioxane	9.46	88	11606	421.146	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	254247	103.229	ug/l	98
52) Toluene	10.41	92	255283	21.134	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	119712	20.438	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	147218	20.765	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	70876	20.771	ug/l	99
56) Ethyl methacrylate	10.67	69	79240	20.599	ug/l	97
57) 1,3-Dichloropropane	10.95	76	119091	20.627	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	145739	122.340	ug/l	100
59) 2-Hexanone	10.99	43	172061	100.918	ug/l	99
60) Dibromochloromethane	11.14	129	91326	20.879	ug/l	98
61) 1,2-Dibromoethane	11.25	107	69103	21.231	ug/l	95
64) Tetrachloroethene	10.88	164	94256	20.434	ug/l	94
65) Chlorobenzene	11.68	112	266417	20.914	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	97223	20.956	ug/l	98
67) Ethyl Benzene	11.75	91	455673	20.703	ug/l	98
68) m/p-Xylenes	11.86	106	356123	41.961	ug/l	98
69) o-Xylene	12.18	106	157115	21.046	ug/l	99
70) Styrene	12.20	104	279597	21.280	ug/l	100
71) Bromoform	12.37	173	54175	20.789	ug/l #	99
73) Isopropylbenzene	12.49	105	430805	20.714	ug/l	99
74) N-amyl acetate	12.30	43	86775	20.381	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	74185	20.293	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	50623m	20.290	ug/l	
77) Bromobenzene	12.77	156	107806	20.864	ug/l	98
78) n-propylbenzene	12.83	91	523914	21.232	ug/l	99
79) 2-Chlorotoluene	12.91	91	293468	21.102	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	363127	21.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	23608	19.968	ug/l	93
82) 4-Chlorotoluene	13.01	91	308244	21.092	ug/l	99
83) tert-Butylbenzene	13.23	119	291066	20.122	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	357682	21.223	ug/l	100
85) sec-Butylbenzene	13.41	105	423334	20.503	ug/l	98
86) p-Isopropyltoluene	13.53	119	391499	20.779	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	203364	20.471	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	206500	20.897	ug/l	99
89) n-Butylbenzene	13.85	91	355988	20.438	ug/l	99
90) Hexachloroethane	14.12	117	79853	20.581	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	176238	20.847	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.53	75	10730	19.273	ug/l	97

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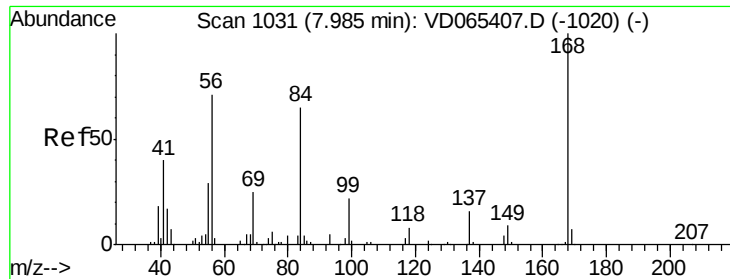
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	118837	20.740	ug/l	99
94) Hexachlorobutadiene	15.28	225	77492	20.583	ug/l	99
95) Naphthalene	15.41	128	181222	20.589	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	102526	20.707	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion:168 Resp: 474819

Ion Ratio Lower Upper

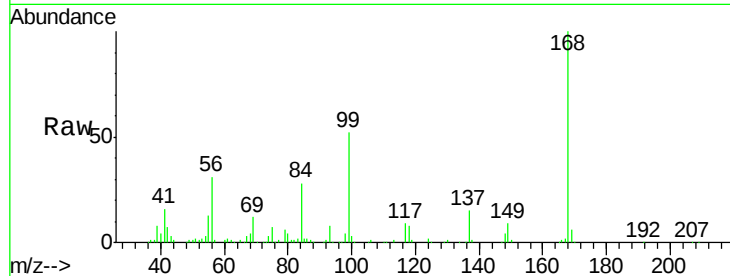
168 100

99 52.0 41.5 62.3

Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

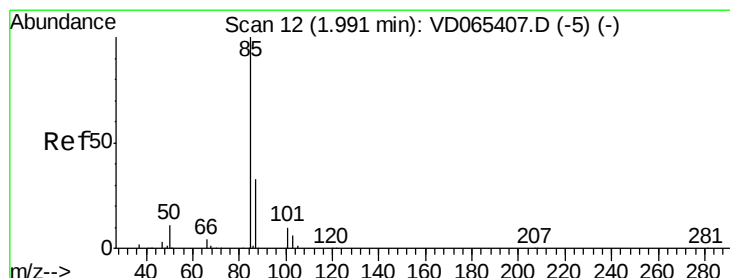
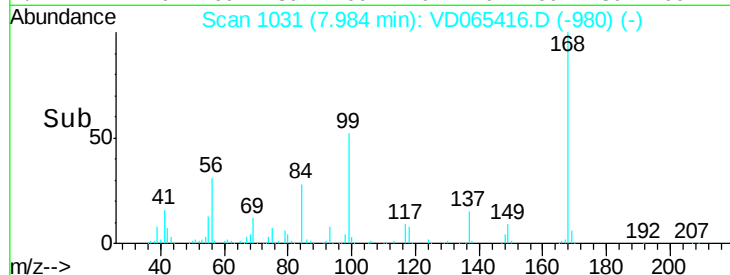
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.067 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065416.D

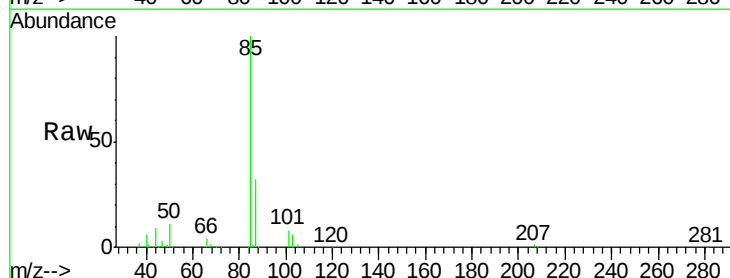
Acq: 04 Mar 2020 17:46

Tgt Ion: 85 Resp: 94130

Ion Ratio Lower Upper

85 100

87 31.8 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

80000

60000

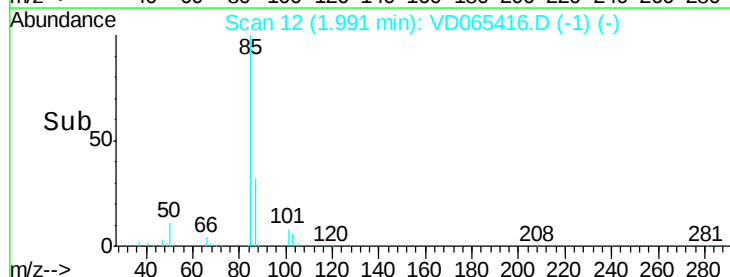
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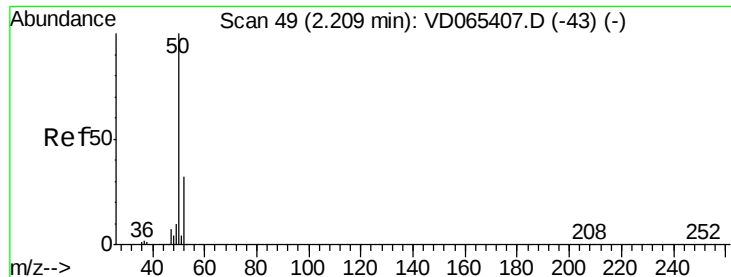
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.899 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 50 Resp: 102964

Ion Ratio Lower Upper

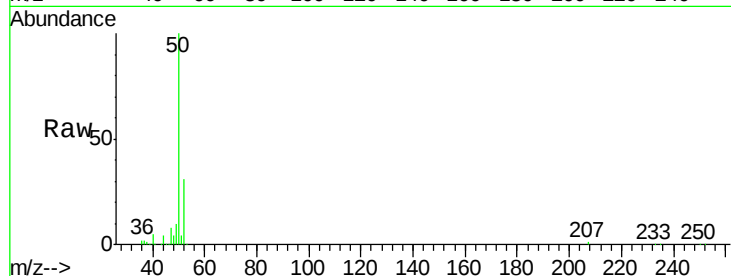
50 100

52 31.3 25.8 38.8

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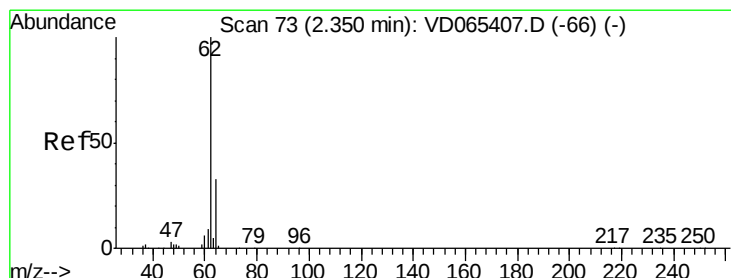
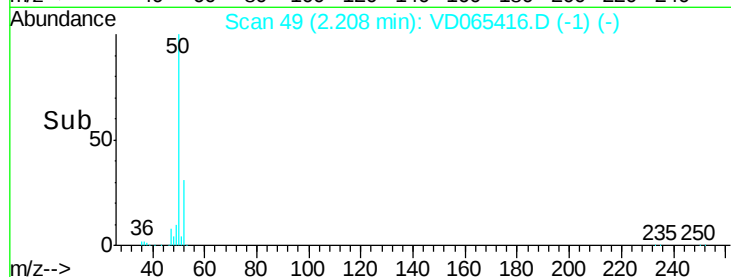
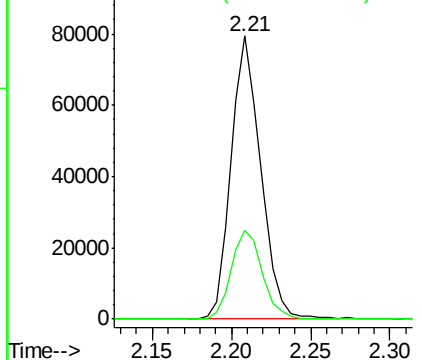
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.521 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065416.D

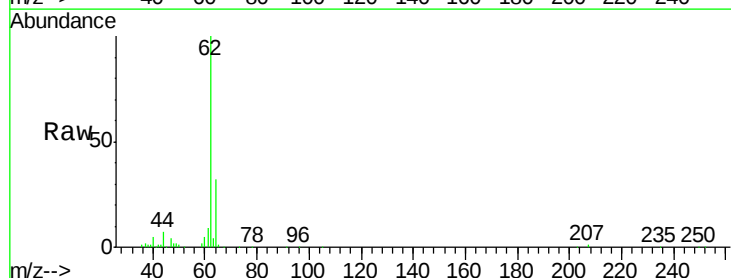
Acq: 04 Mar 2020 17:46

Tgt Ion: 62 Resp: 104581

Ion Ratio Lower Upper

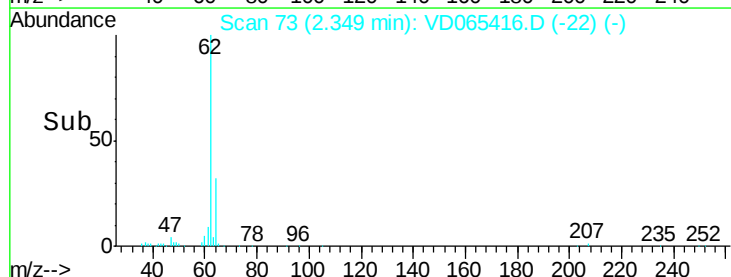
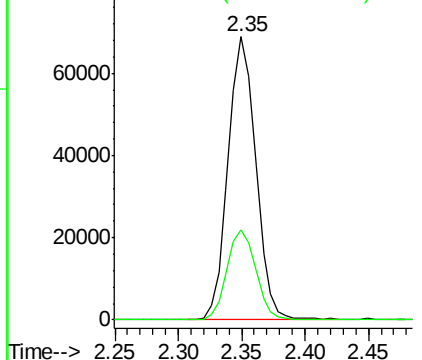
62 100

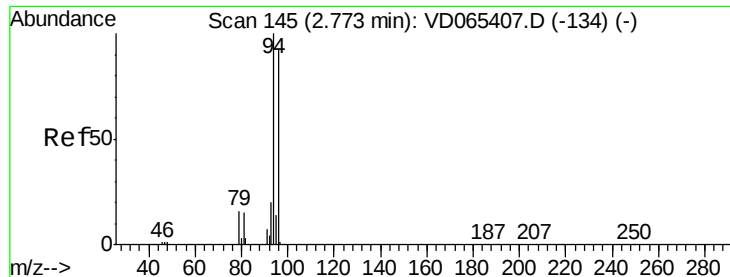
64 32.0 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.130 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 94 Resp: 67522

Ion Ratio Lower Upper

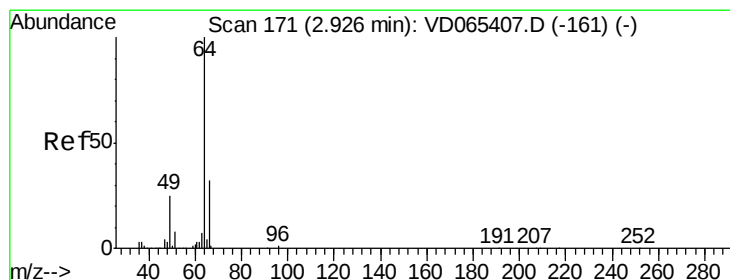
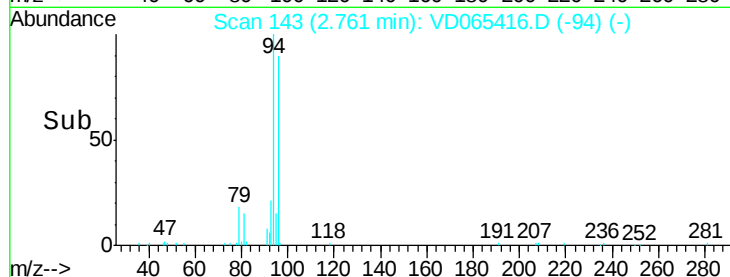
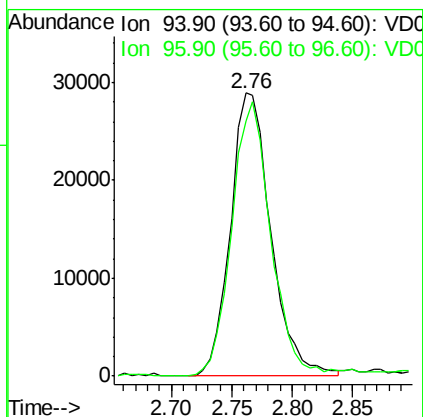
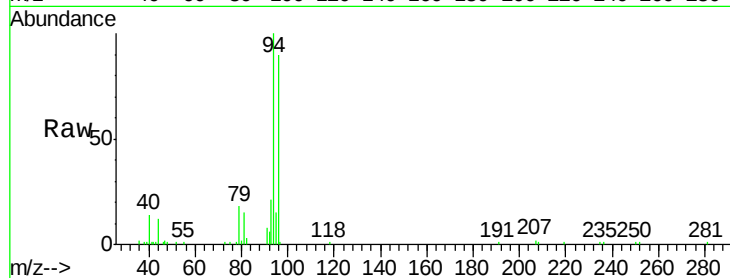
94 100

96 90.3 74.4 111.6

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#6

Chloroethane

Concen: 20.828 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065416.D

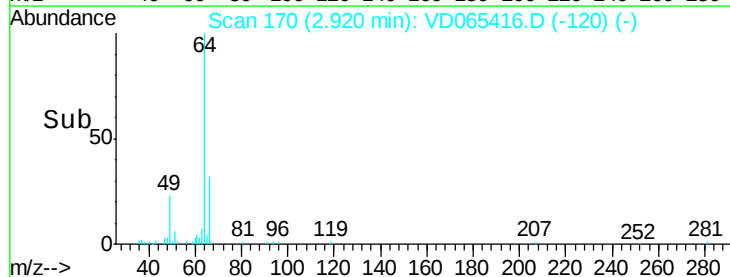
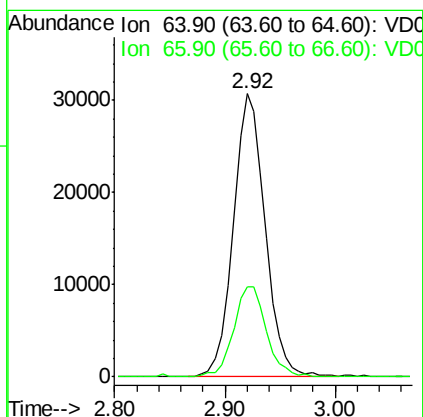
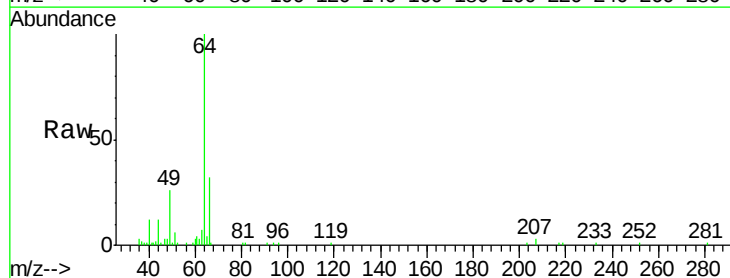
Acq: 04 Mar 2020 17:46

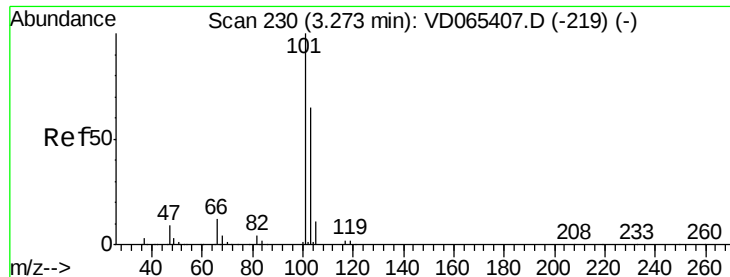
Tgt Ion: 64 Resp: 61990

Ion Ratio Lower Upper

64 100

66 31.9 25.6 38.4





#7

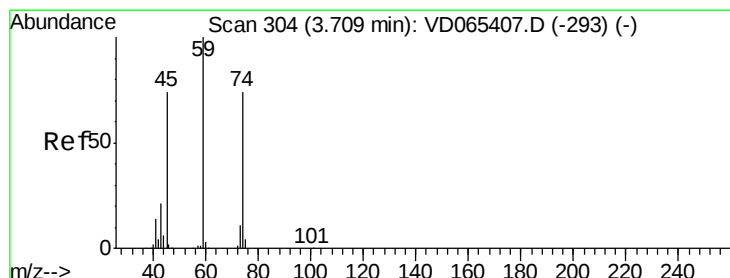
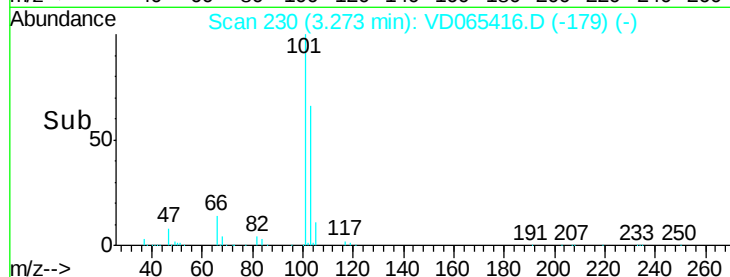
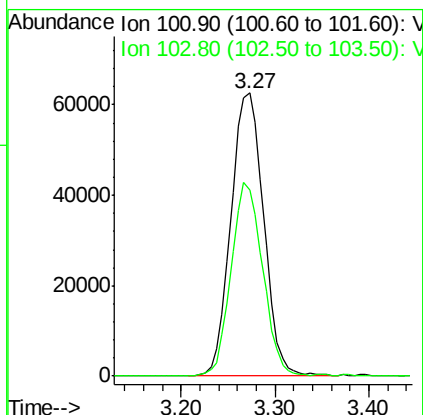
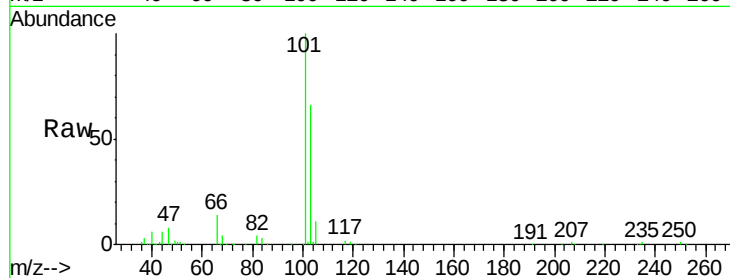
Trichlorofluoromethane
 Concen: 21.215 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

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 VD0304SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.1	78.1

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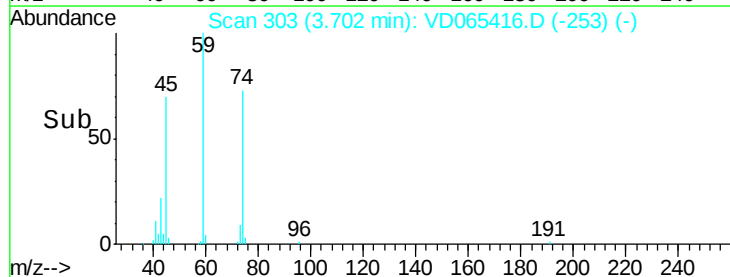
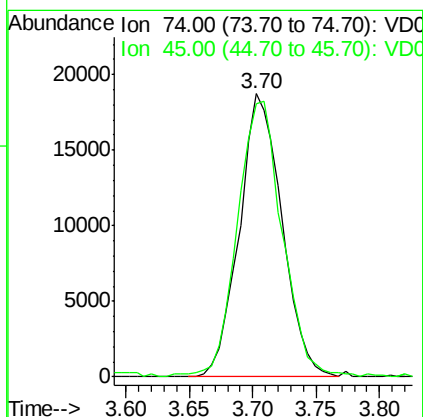
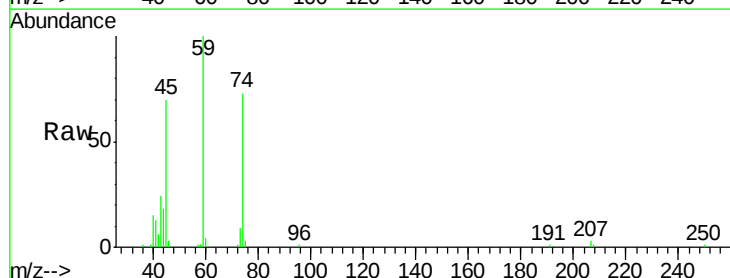
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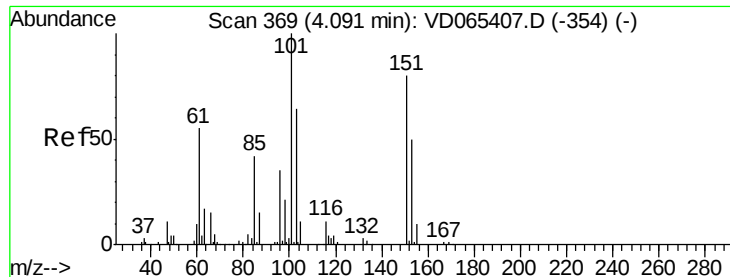


#8

Diethyl Ether
 Concen: 20.535 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.650 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

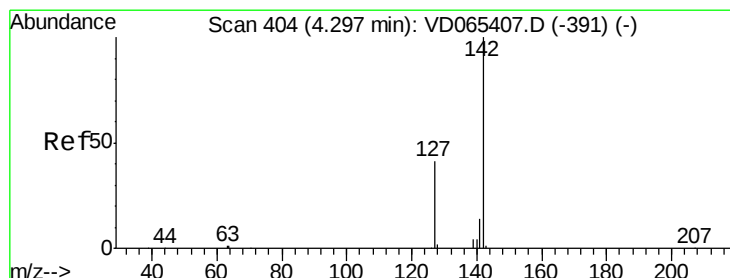
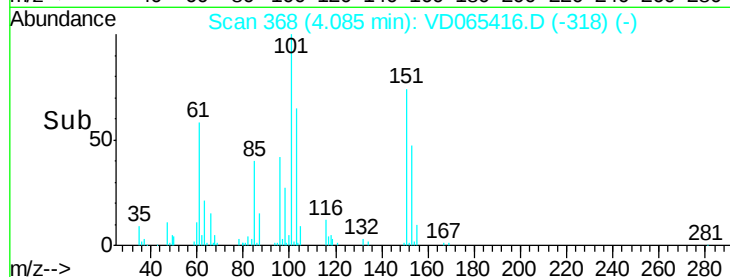
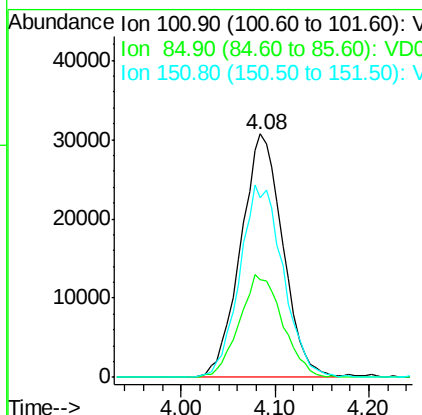
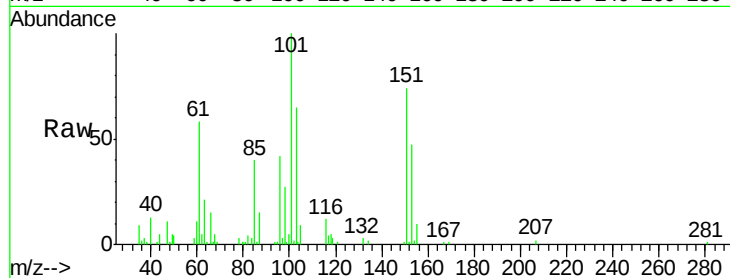
ClientSampleId :

VD0304SBS01

Tot Ion:	101	Resp:	95231
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.2
151	81.7	65.1	97.7

Manual Integrations
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#10

Methyl Iodide

Concen: 21.177 ug/l

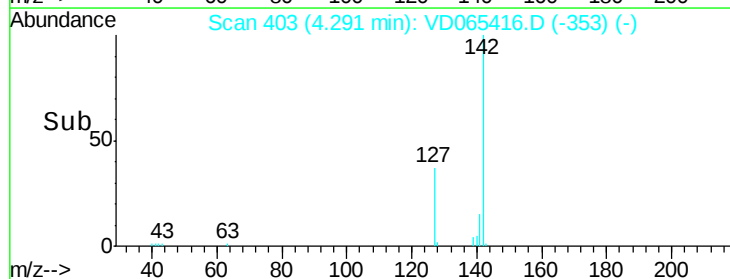
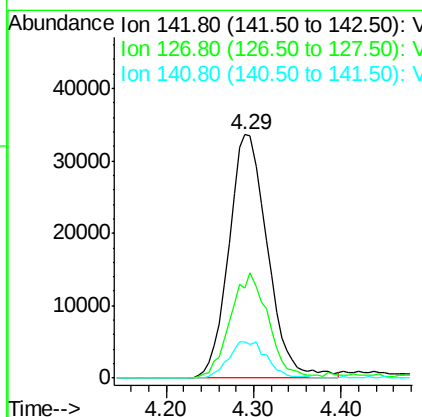
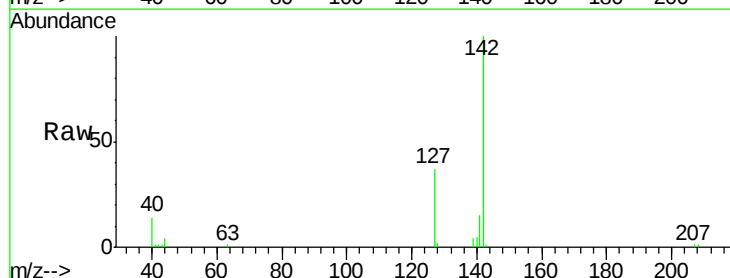
RT: 4.29 min Scan# 403

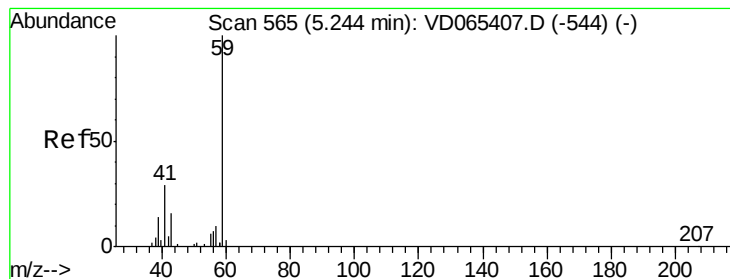
Delta R.T. -0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Tgt Ion:	142	Resp:	101458
Ion Ratio	Lower	Upper	
142	100		
127	42.2	35.0	52.6
141	14.7	12.4	18.6





#11

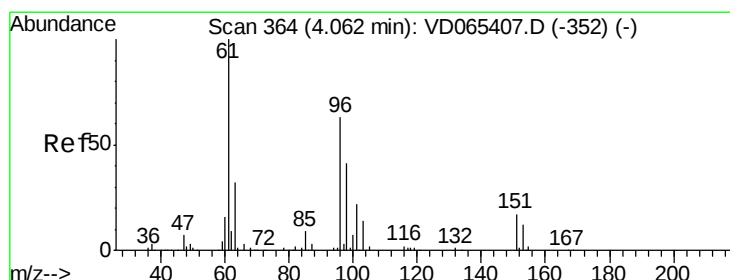
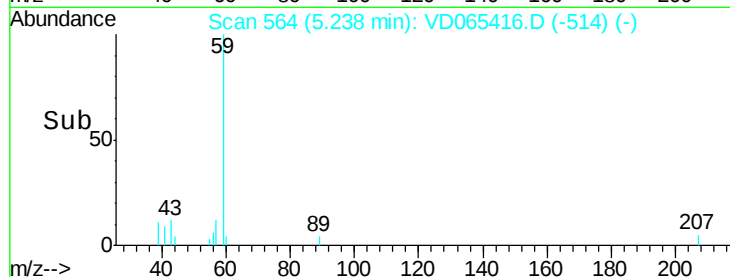
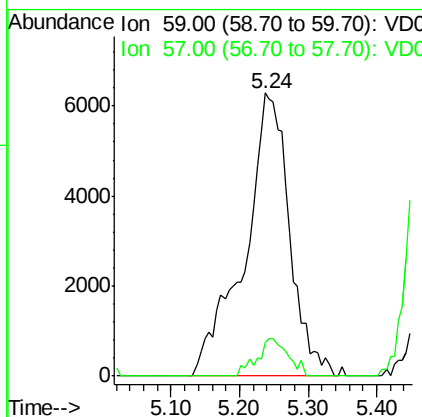
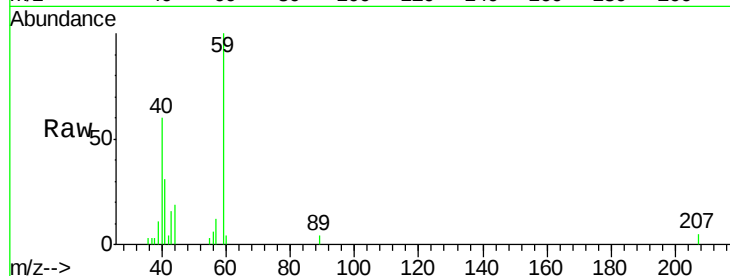
Tert butyl alcohol
Concen: 123.052 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	28748		
57	9.1		6.9	10.3

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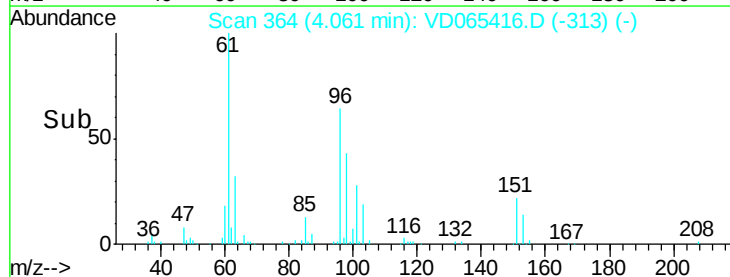
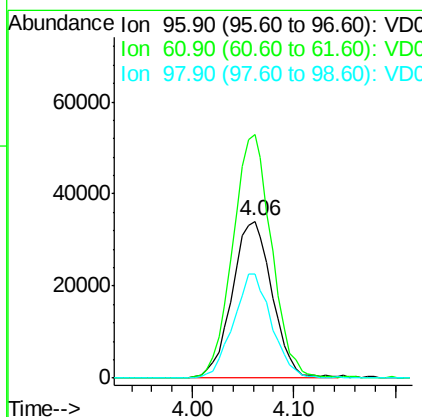
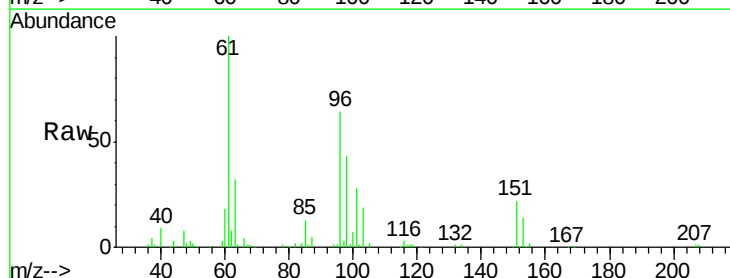
MMDadoda
3/5/2020 1:39:08 PM

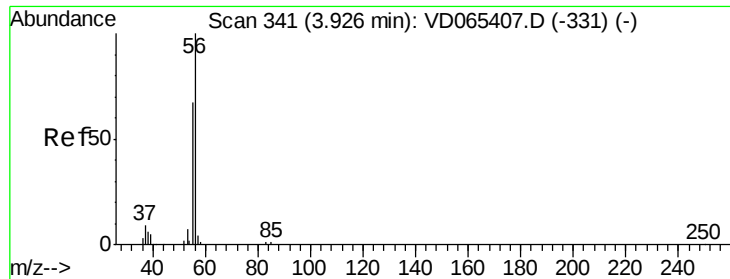


#12

1,1-Dichloroethene
Concen: 21.215 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	93681		
61	155.3		128.0	192.0
98	66.0		51.9	77.9





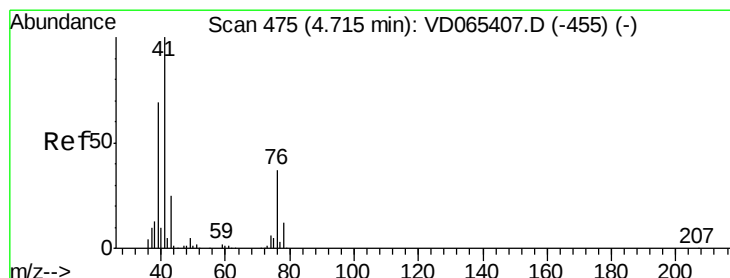
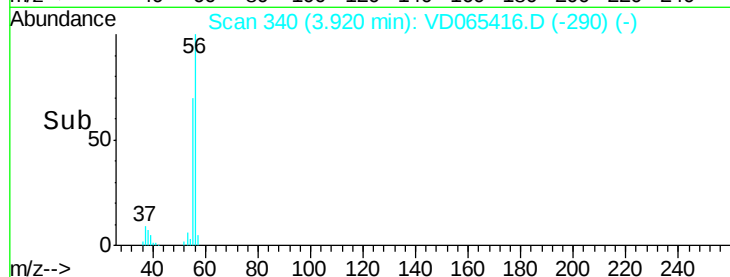
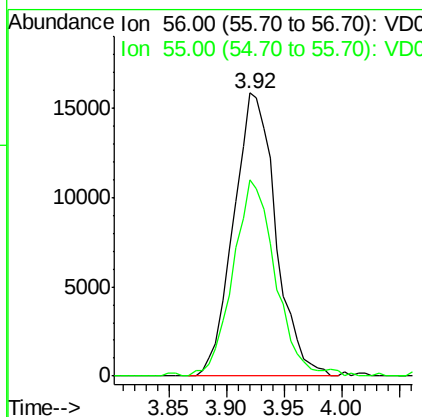
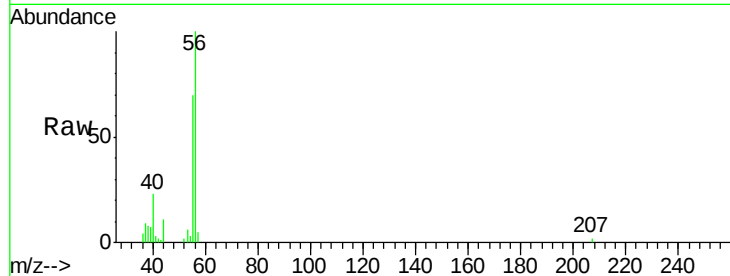
#13
Acrolein
Concen: 100.165 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	56	Resp	40358
Ion Ratio	Lower	Upper	
56	100		
55	69.5	56.6	85.0

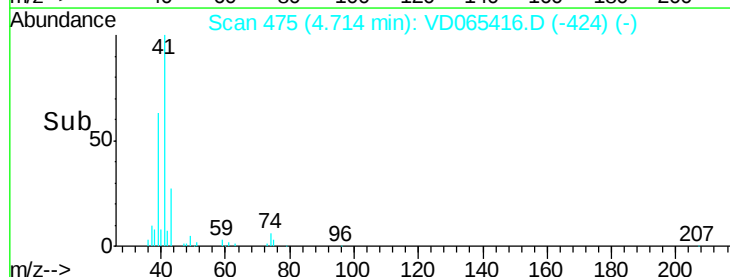
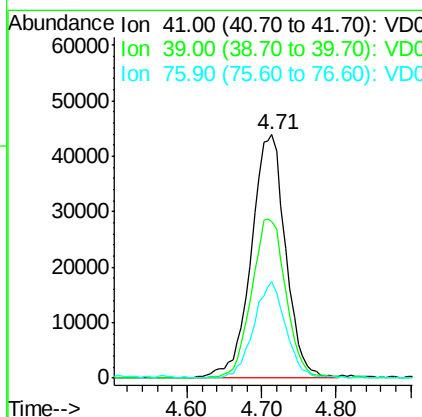
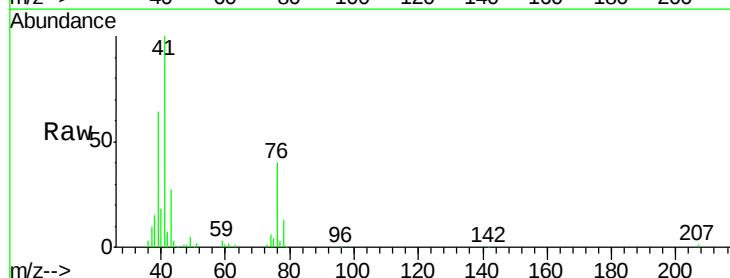
Manual Integrations
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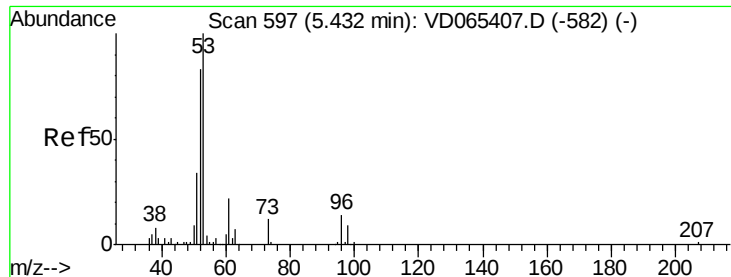
MMDadoda
3/5/2020 1:39:08 PM



#14
Allyl chloride
Concen: 20.721 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	41	Resp	140559
Ion Ratio	Lower	Upper	
41	100		
39	65.1	52.6	79.0
76	37.0	29.2	43.8





#15

Acrylonitrile

Concen: 103.294 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

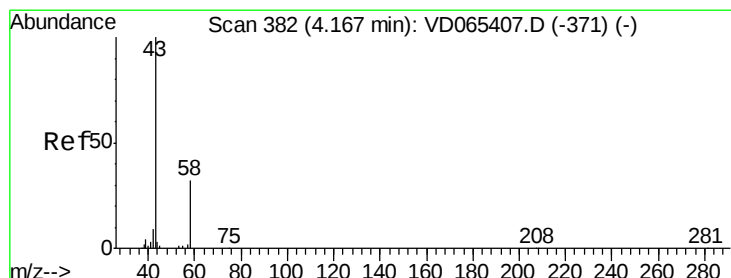
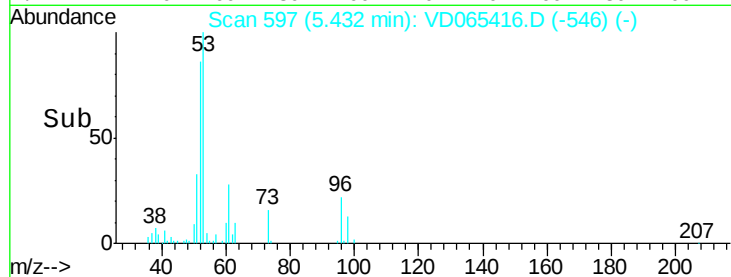
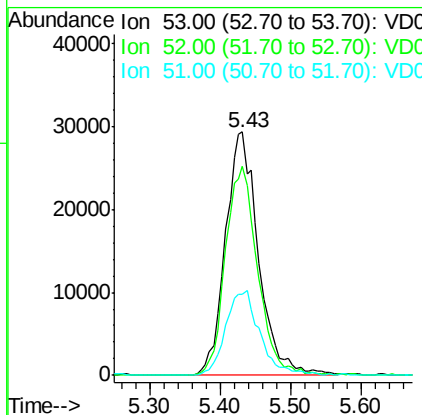
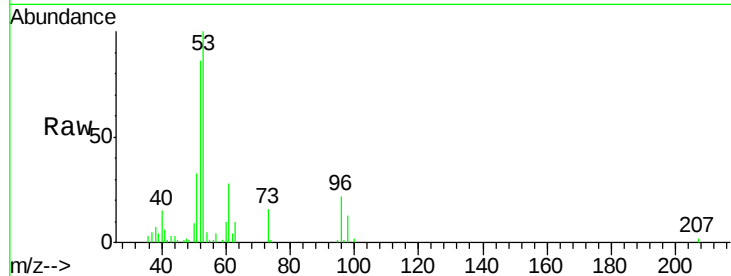
ClientSampleId :

VD0304SBS01

Tot Ion:	53	Resp:	95688
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.1	97.7
51	35.6	28.5	42.7

Manual Integrations
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#16

Acetone

Concen: 97.359 ug/l

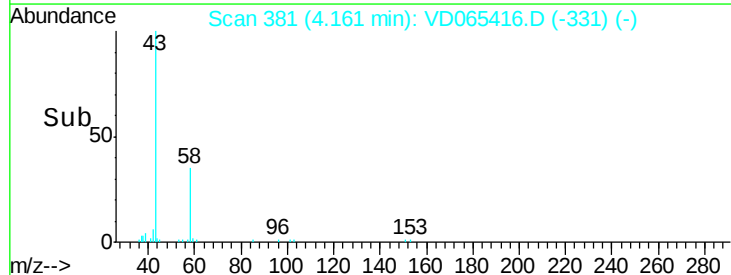
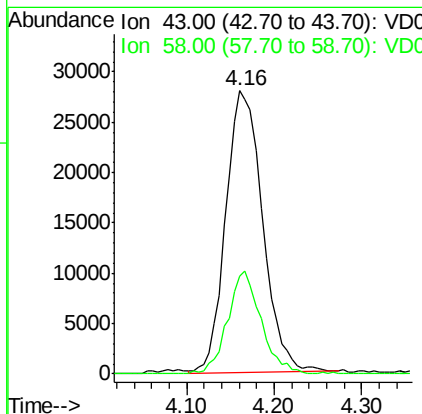
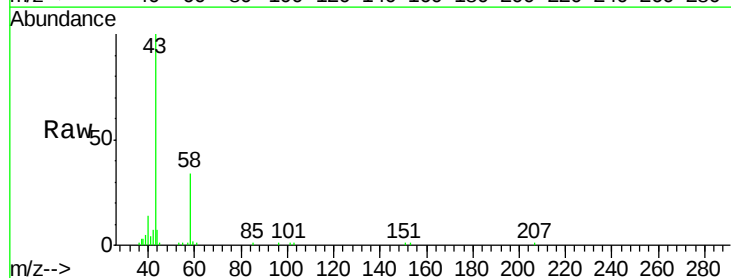
RT: 4.16 min Scan# 381

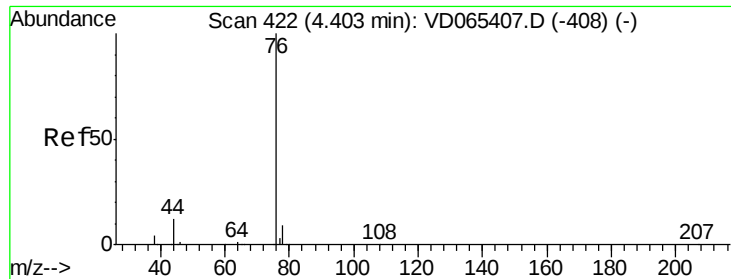
Delta R.T. -0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Tgt Ion:	43	Resp:	80197
Ion Ratio	Lower	Upper	
43	100		
58	34.8	25.1	37.7





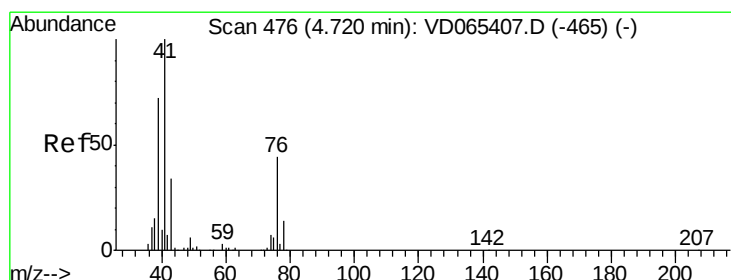
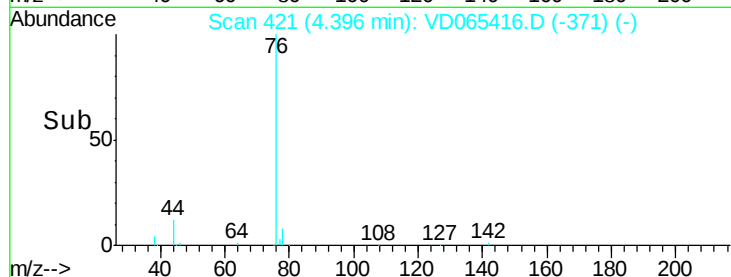
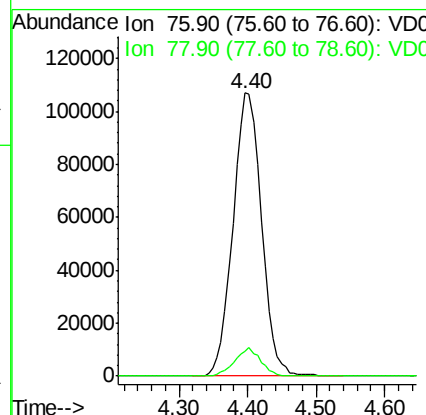
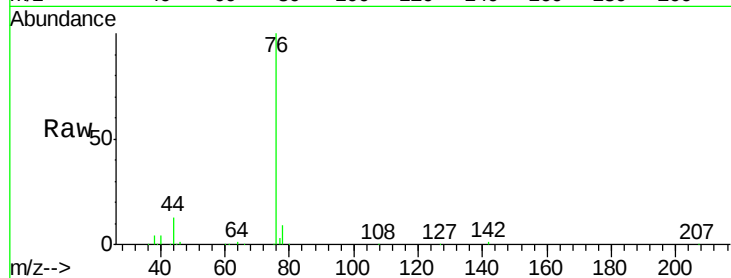
#17
Carbon Disulfide
Concen: 21.030 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.4	11.0

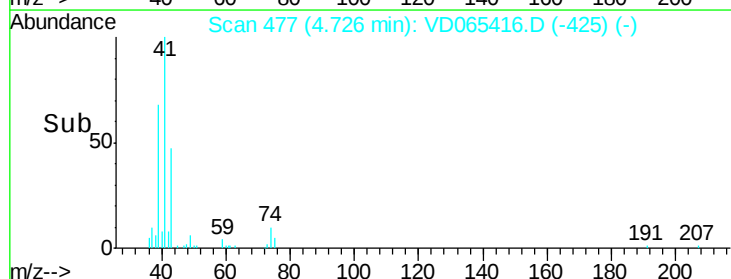
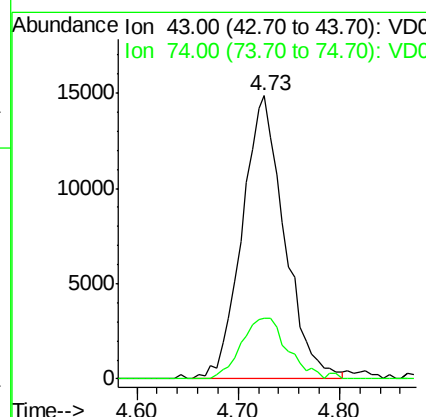
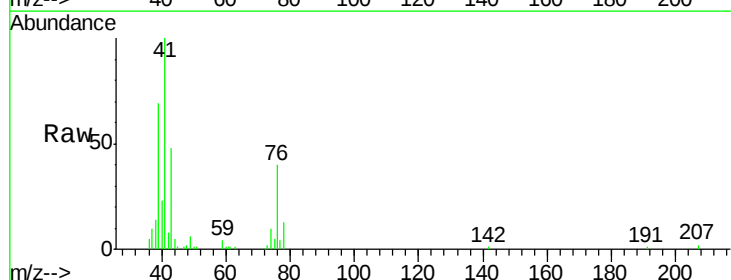
Manual Integrations
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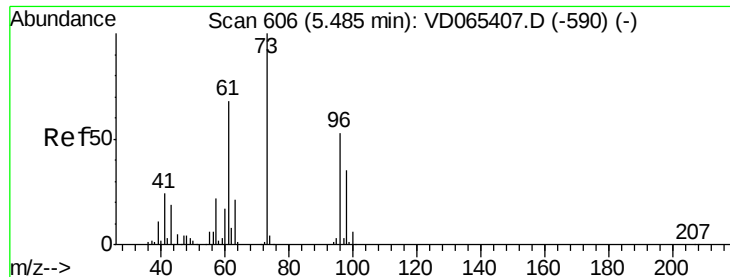
MMDadoda
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#18
Methyl Acetate
Concen: 20.607 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.4	19.6	29.4





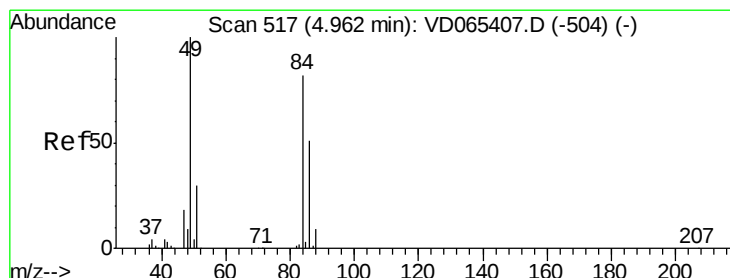
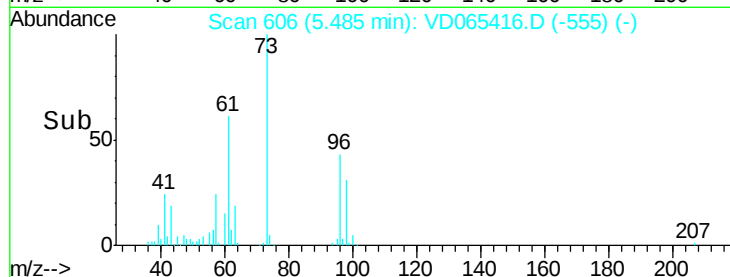
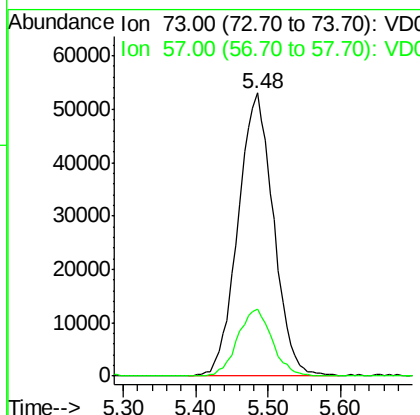
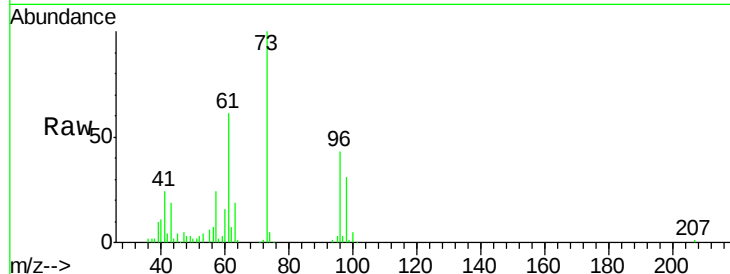
#19
Methyl tert-butyl Ether
Concen: 21.252 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion: 73 Resp: 180469
Ion Ratio Lower Upper
73 100
57 23.5 17.3 25.9

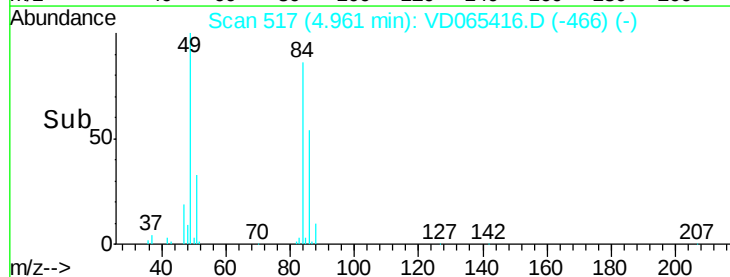
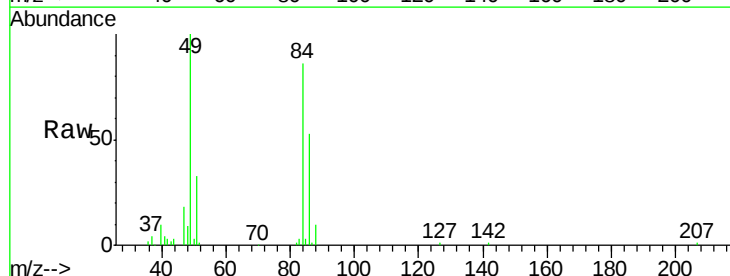
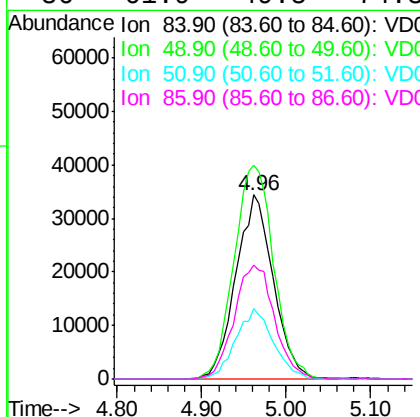
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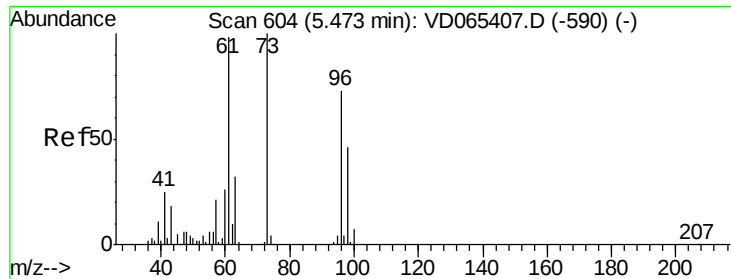
MMDadoda
3/5/2020 1:39:08 PM



#20
Methylene Chloride
Concen: 21.793 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion: 84 Resp: 106208
Ion Ratio Lower Upper
84 100
49 116.2 97.7 146.5
51 38.4 28.8 43.2
86 61.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 20.942 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

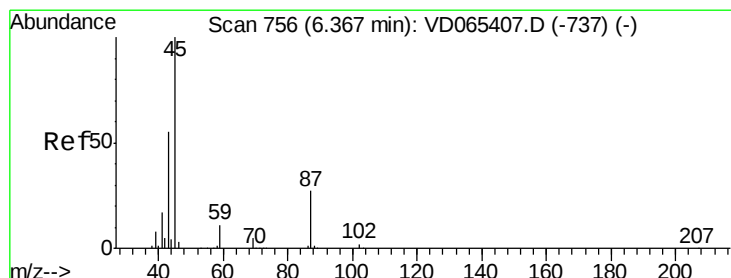
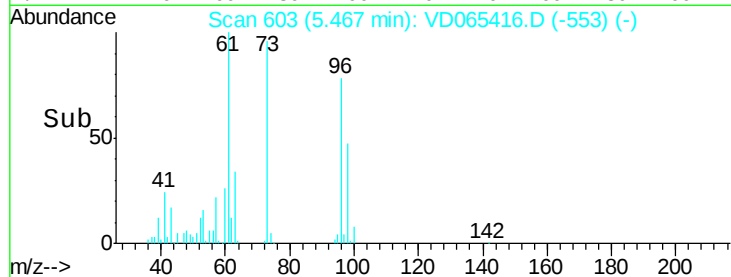
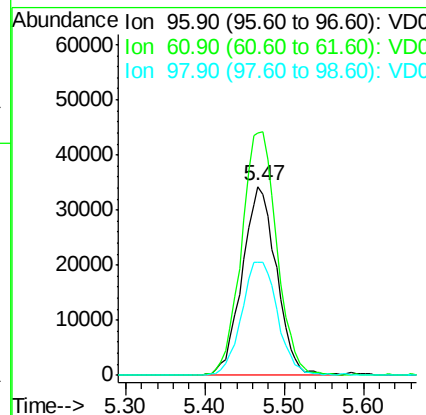
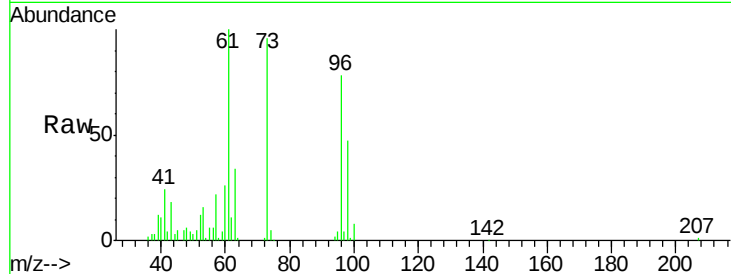
ClientSampleId :

VD0304SBS01

Tot Ion:	96	Resp:	102873
Ion	Ratio	Lower	Upper
96	100		
61	128.2	106.3	159.5
98	59.8	50.2	75.4

Manual Integrations
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3/5/2020 1:39:08 PM



#22

Diisopropyl ether

Concen: 21.892 ug/l

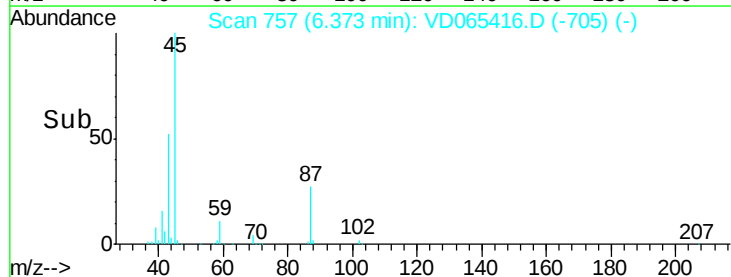
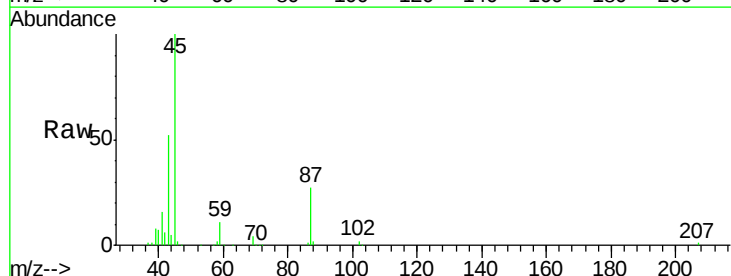
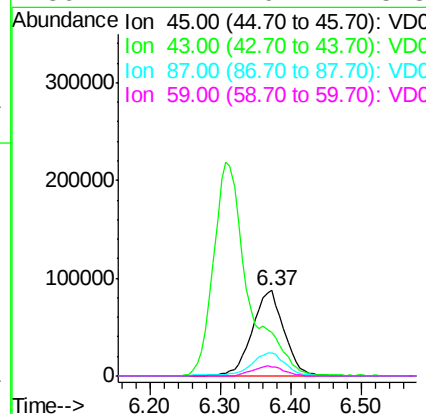
RT: 6.37 min Scan# 757

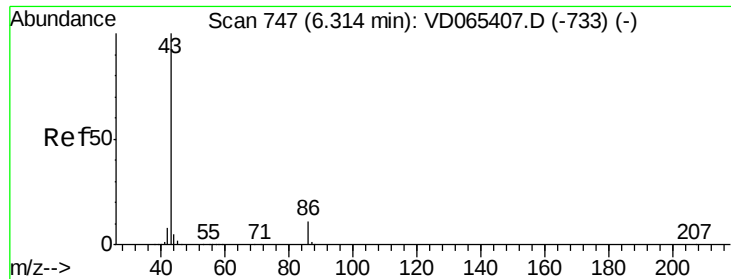
Delta R.T. 0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Tgt Ion:	45	Resp:	276062
Ion	Ratio	Lower	Upper
45	100		
43	50.4	44.4	66.6
87	26.8	21.9	32.9
59	11.2	9.2	13.8





#23

Vinyl Acetate

Concen: 106.347 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 43 Resp: 744627

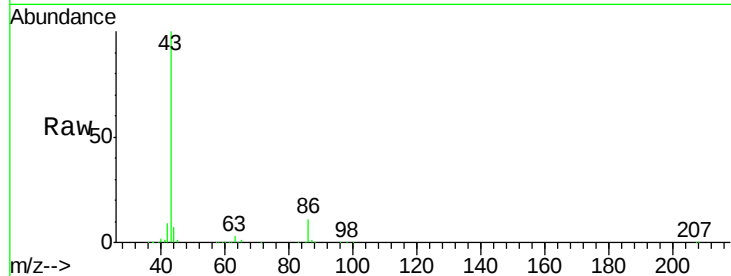
Ion Ratio Lower Upper

43 100

86 11.2 8.9 13.3

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

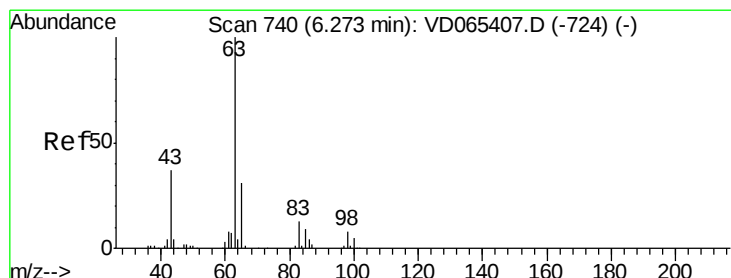
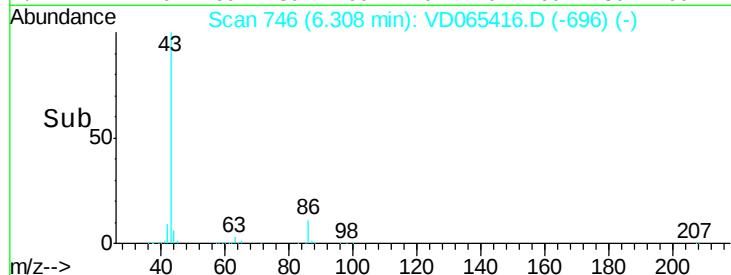
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.477 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

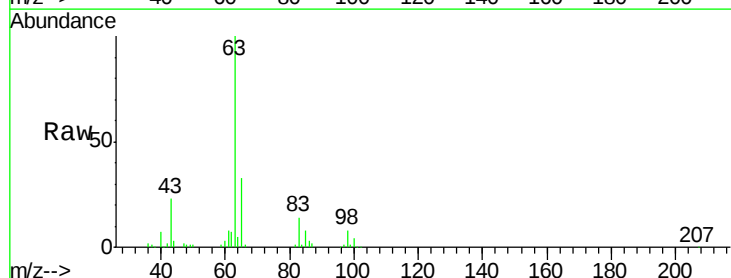
Tgt Ion: 63 Resp: 173712

Ion Ratio Lower Upper

63 100

98 7.6 4.2 12.6

100 4.3 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

6.27

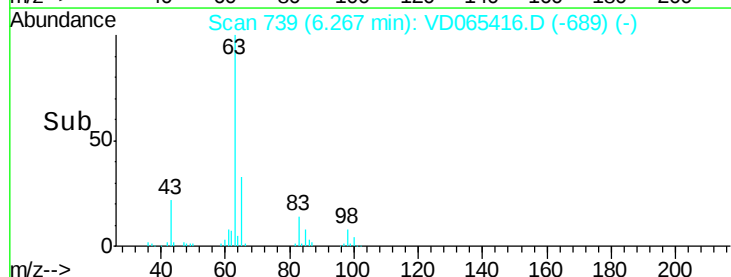
60000

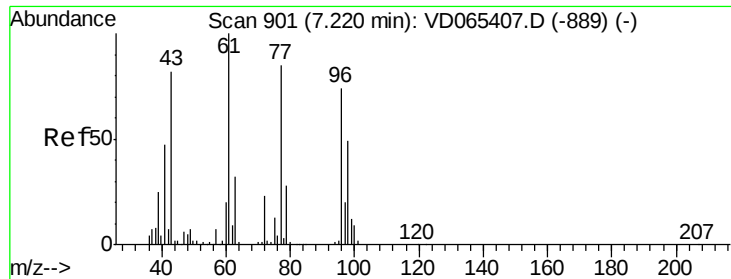
40000

20000

0

Time-->





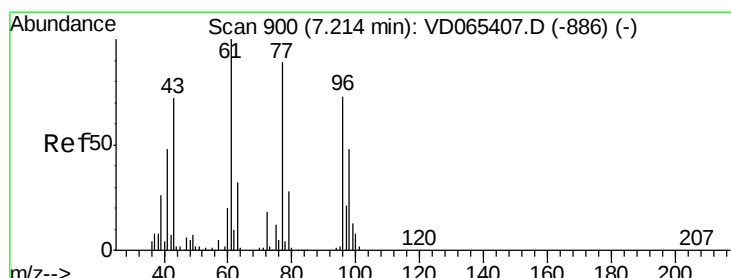
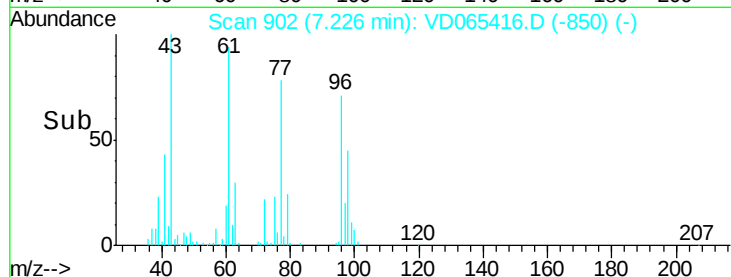
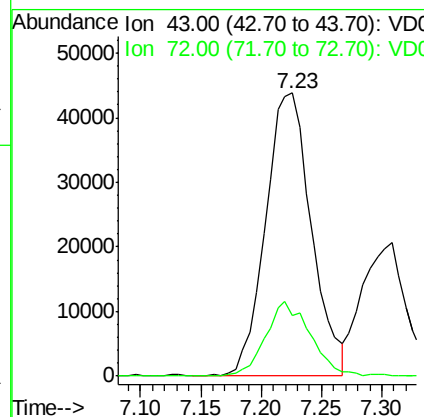
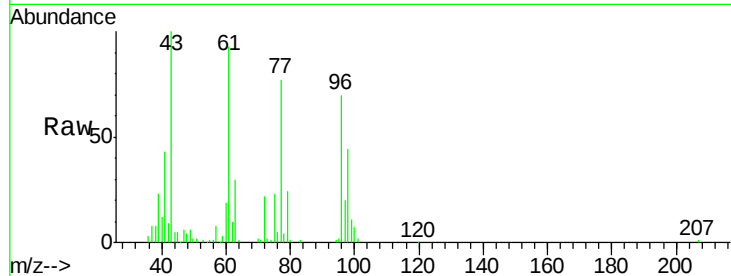
#25
2-Butanone
Concen: 102.450 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion: 43 Resp: 115164
Ion Ratio Lower Upper
43 100
72 21.6 22.3 33.5#

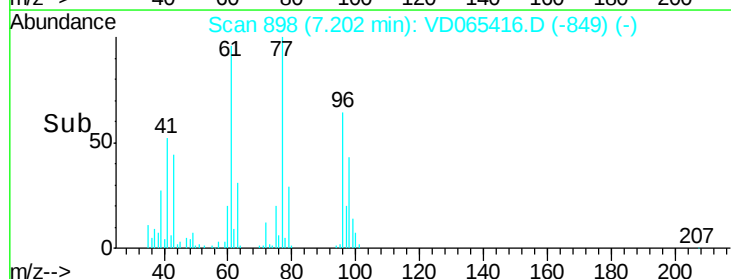
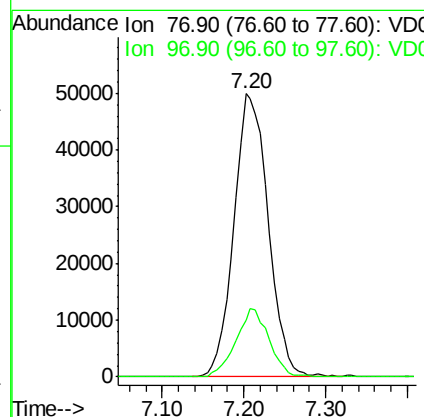
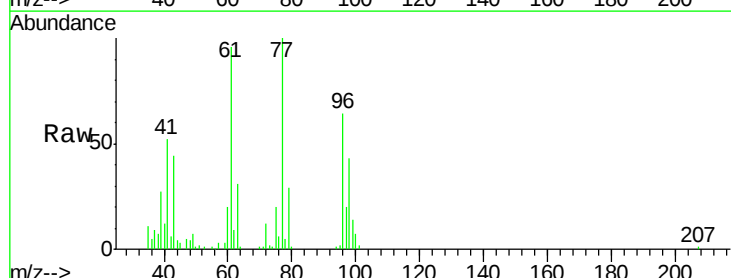
Manual Integrations
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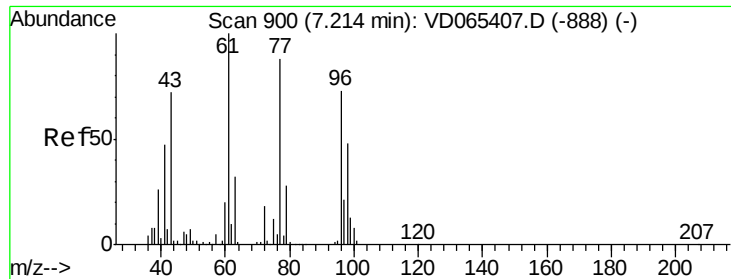
MMDadoda
3/5/2020 1:39:08 PM



#26
2,2-Dichloropropane
Concen: 20.601 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion: 77 Resp: 145612
Ion Ratio Lower Upper
77 100
97 23.2 11.8 35.4





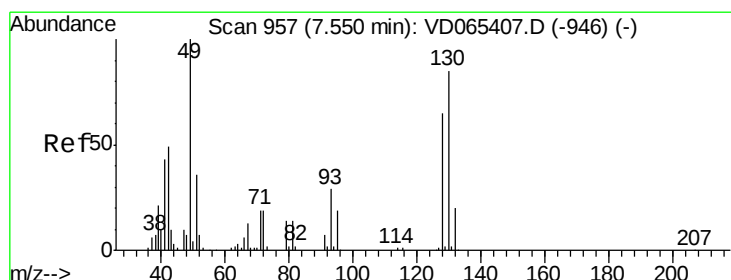
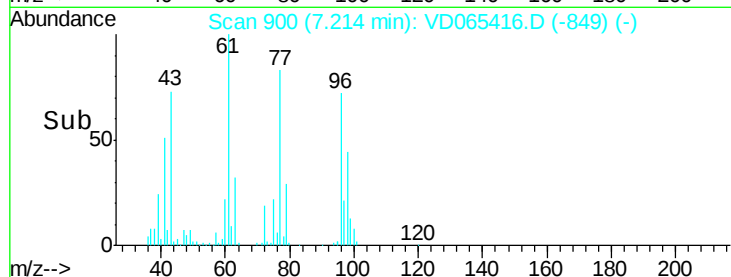
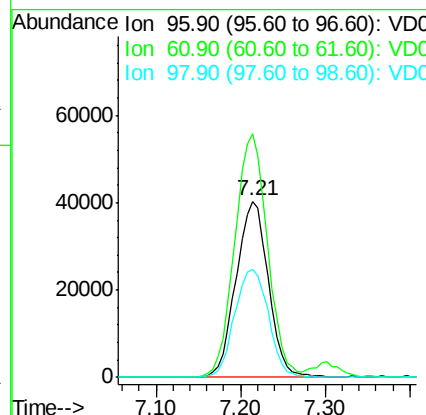
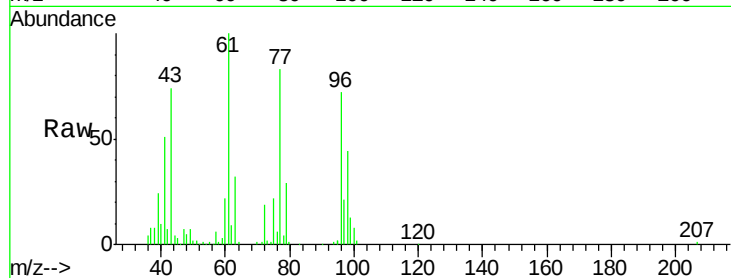
#27
 cis-1,2-Dichloroethene
 Concen: 21.335 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	107123		
61	139.1	0.0	280.4	
98	63.7	0.0	132.6	

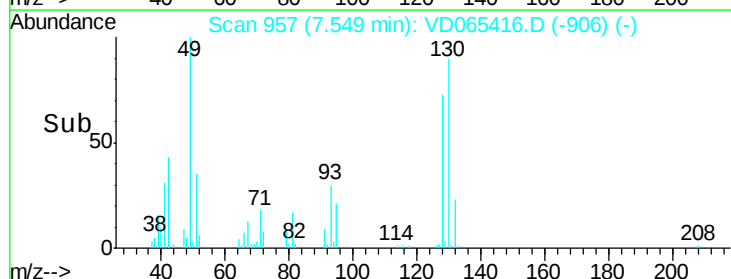
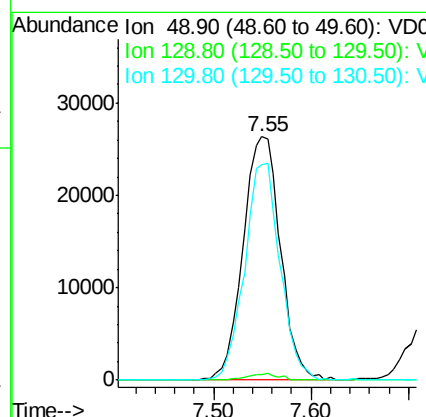
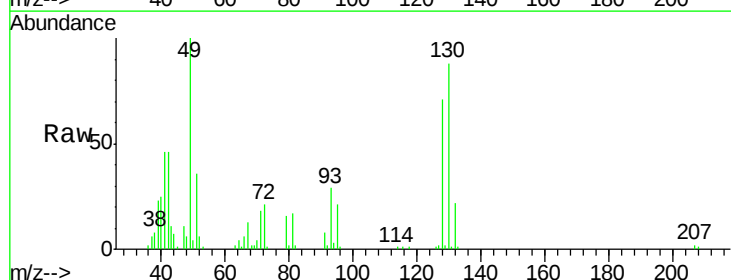
Manual Integrations
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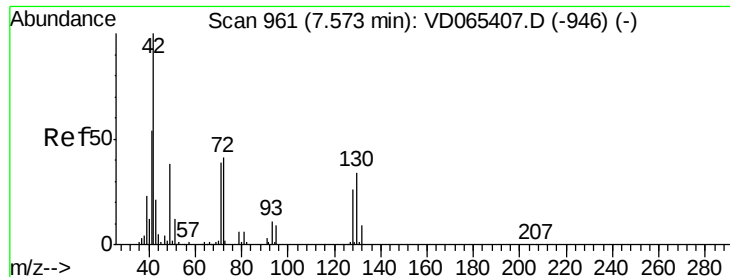
MMDadoda
 3/5/2020 1:39:08 PM



#28
 Bromochloromethane
 Concen: 21.837 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70667		
129	2.3	0.0	4.6	
130	84.6	66.6	100.0	





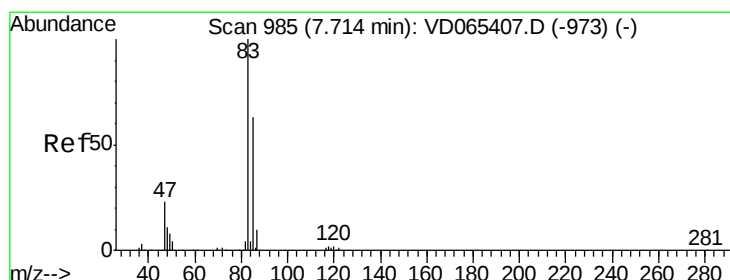
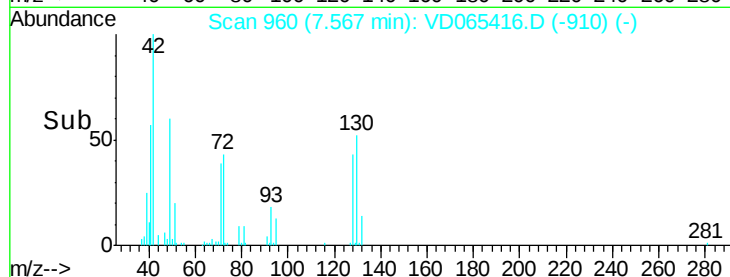
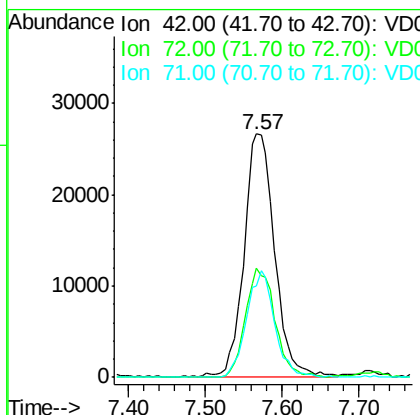
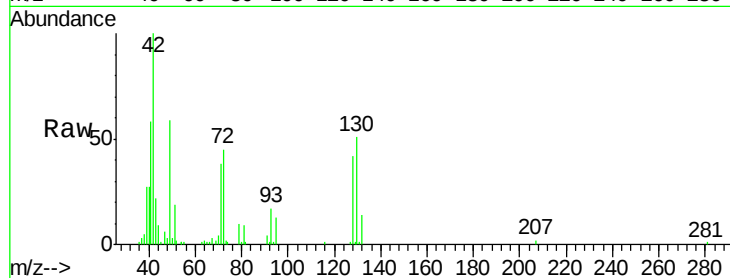
#29
Tetrahydrofuran
Concen: 103.669 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.0	49.6
71	40.0	32.0	48.0

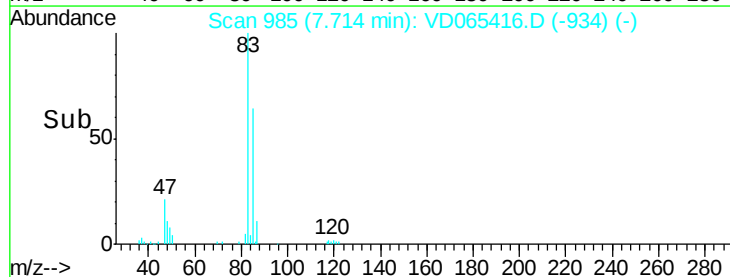
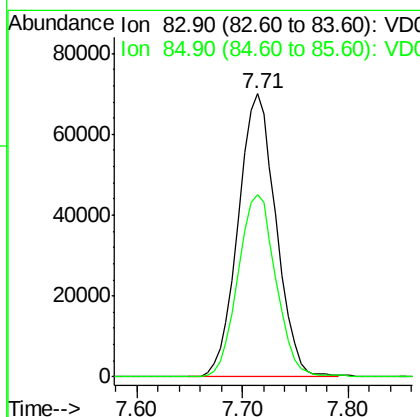
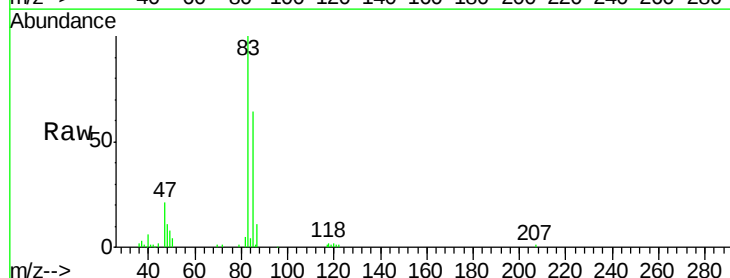
Manual Integrations
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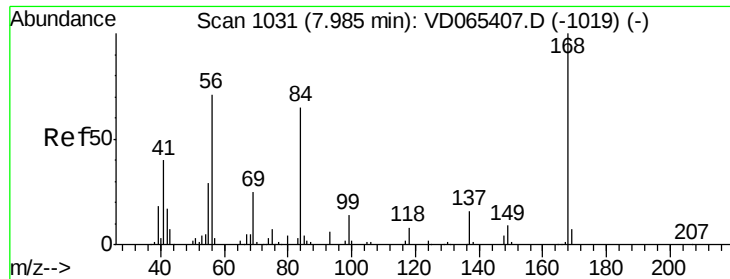
MMDadoda
3/5/2020 1:39:08 PM



#30
Chloroform
Concen: 21.521 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	50.3	75.5





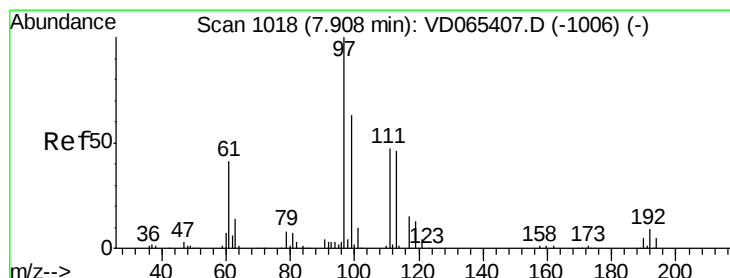
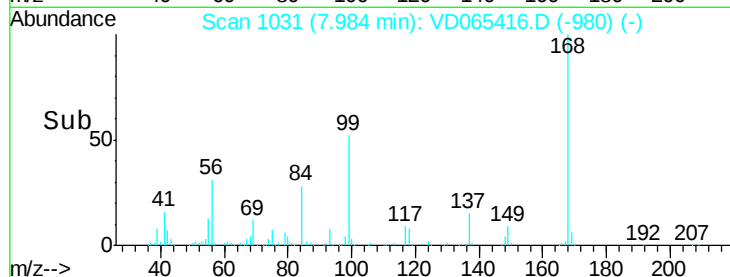
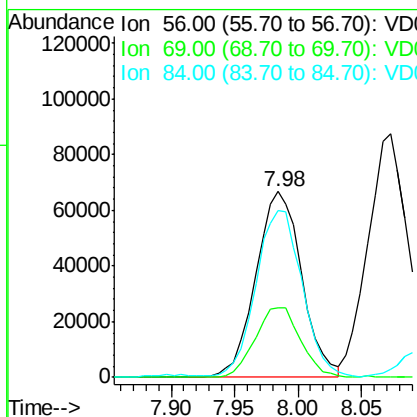
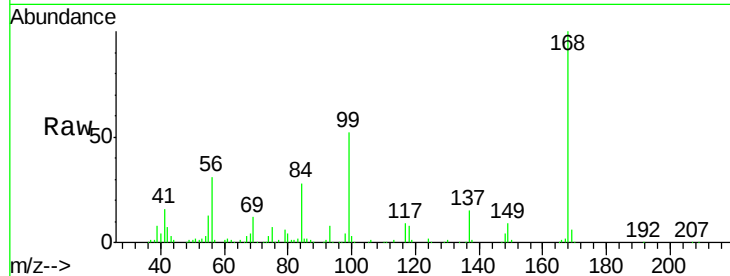
#31
Cyclohexane
Concen: 20.790 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.2	28.3	42.5
84	88.8	73.1	109.7

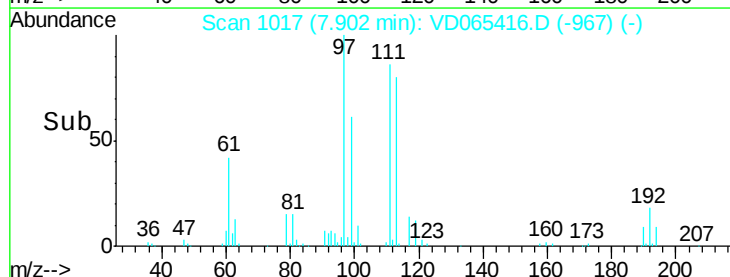
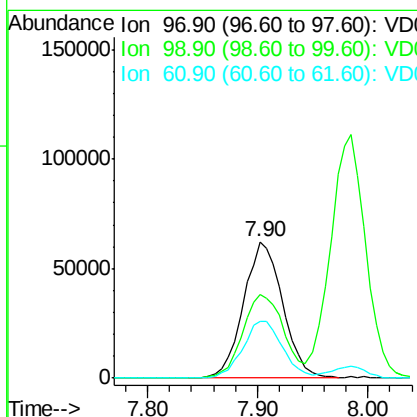
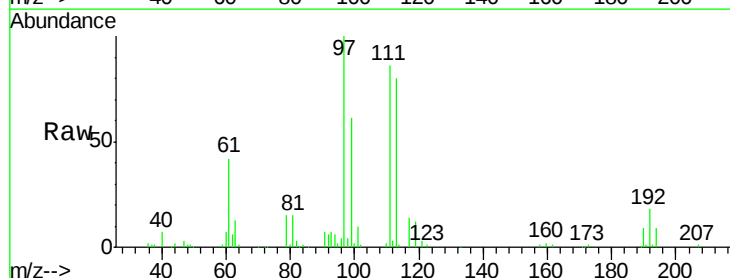
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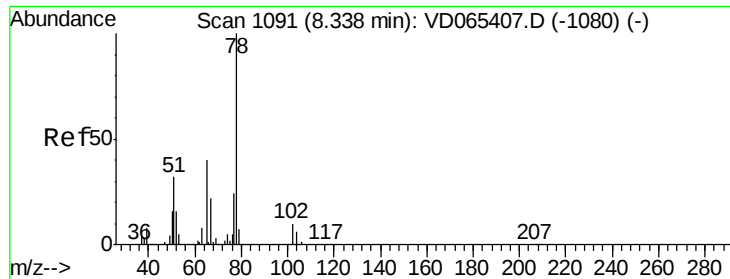
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3/5/2020 1:39:08 PM



#32
1,1,1-Trichloroethane
Concen: 20.759 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.9	76.3
61	42.5	33.2	49.8





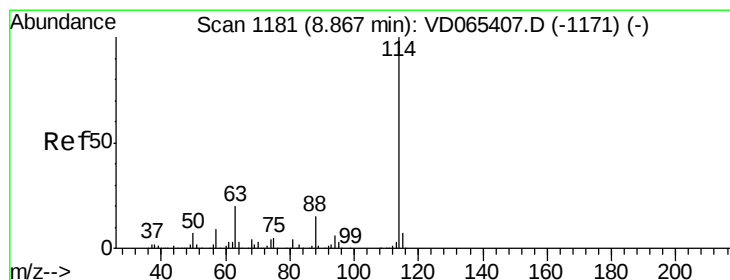
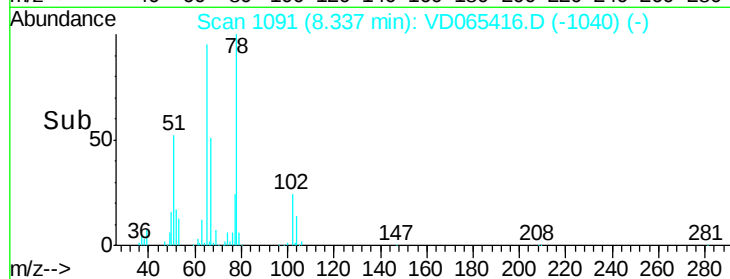
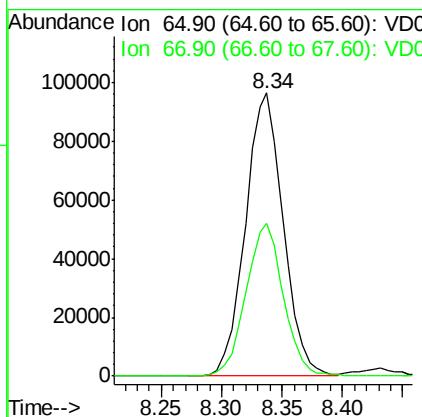
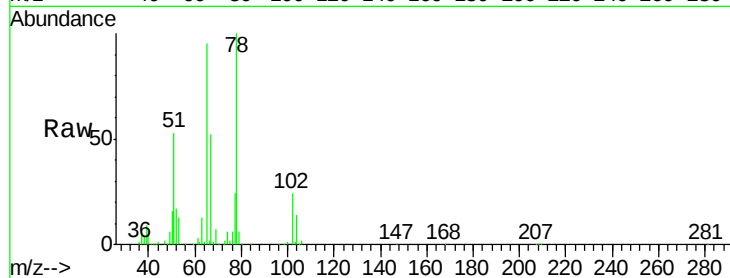
#33
 1,2-Dichloroethane-d4
 Concen: 51.639 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.0

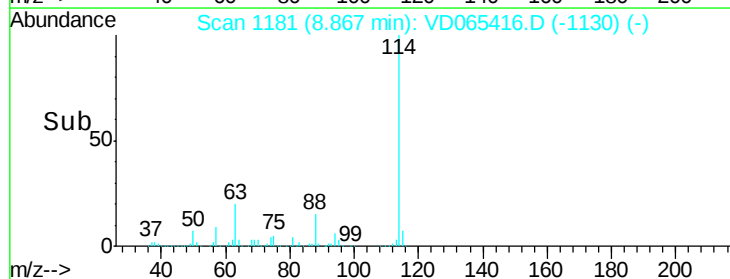
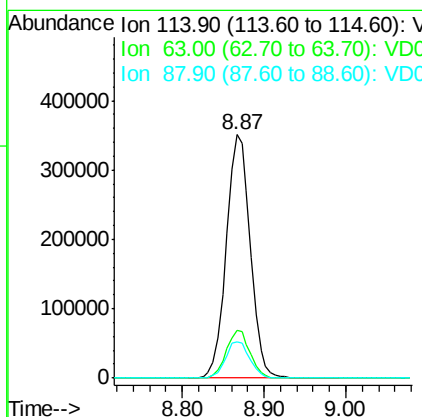
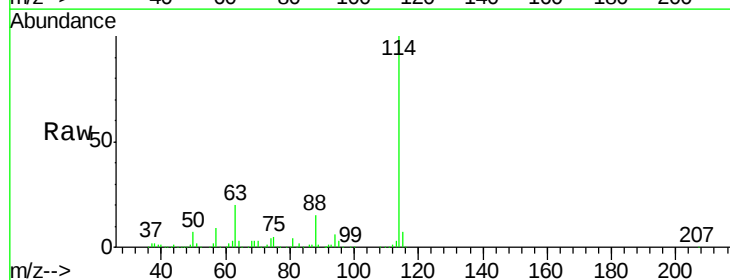
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	14.7	0.0	30.4





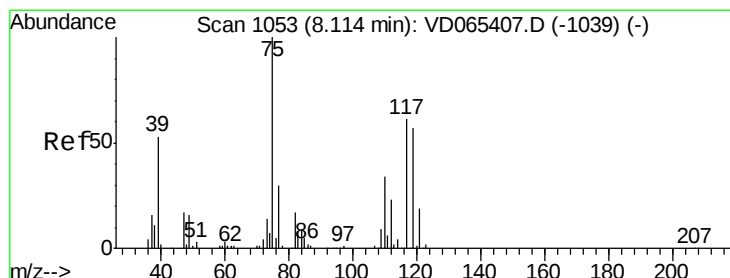
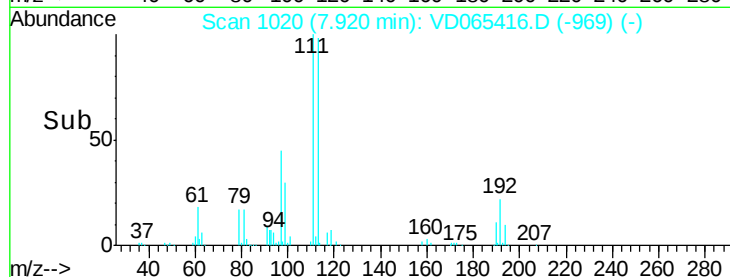
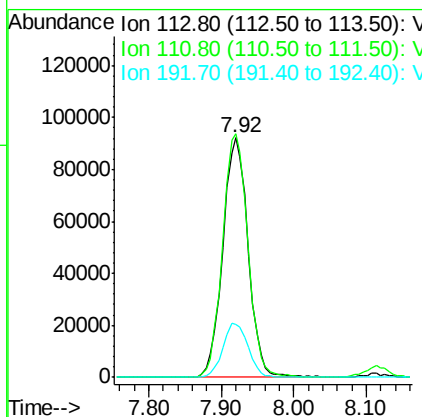
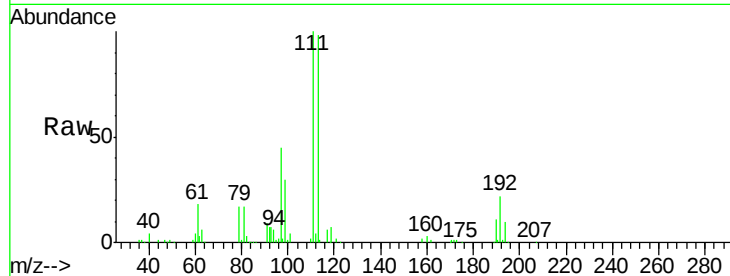
#35
Dibromofluoromethane
Concen: 50.470 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	223296		
111	101.8	82.1	123.1	
192	22.5	17.2	25.8	

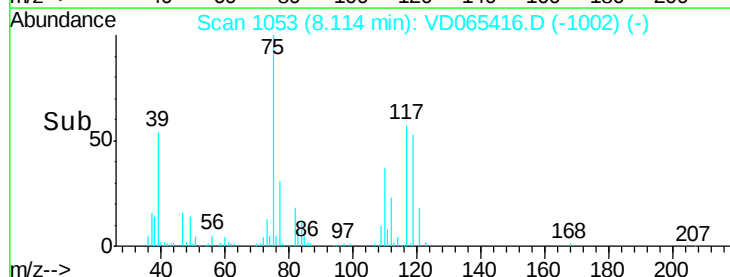
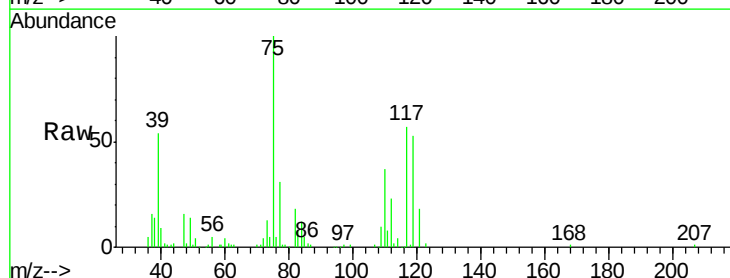
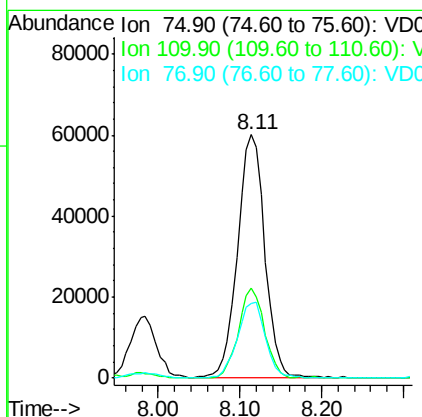
Manual Integrations
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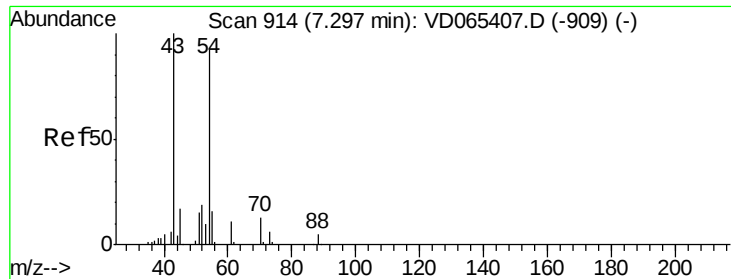
MMDadoda
3/5/2020 1:39:08 PM



#36
1,1-Dichloropropene
Concen: 20.484 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	140479		
110	35.0	18.1	54.1	
77	32.0	25.2	37.8	





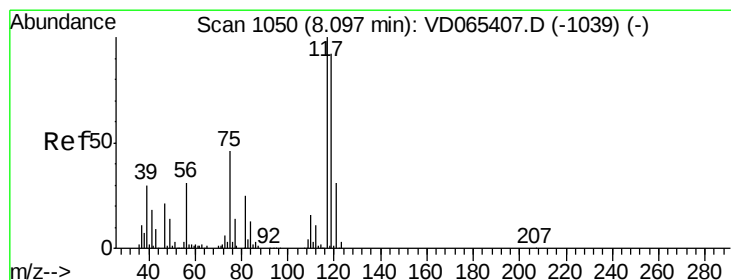
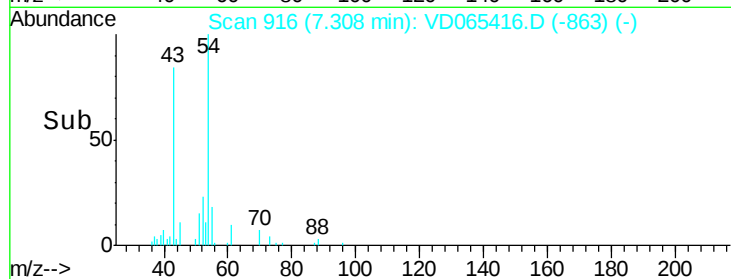
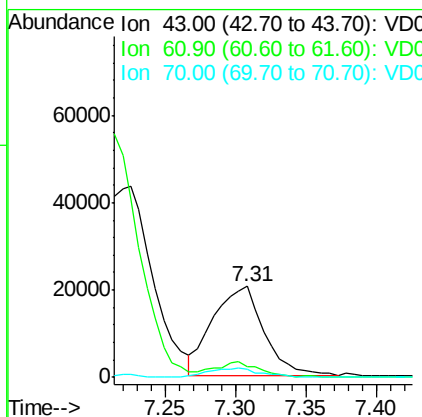
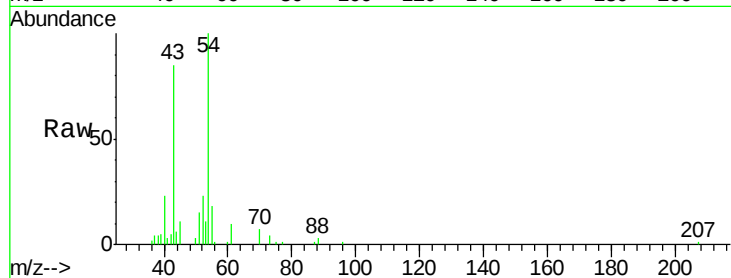
#37
Ethyl Acetate
Concen: 19.474 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.4	17.0
70	10.6	9.0	13.4

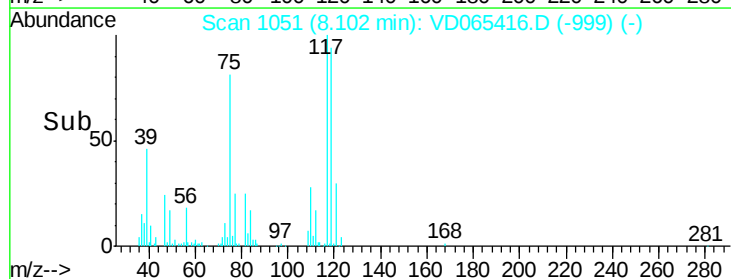
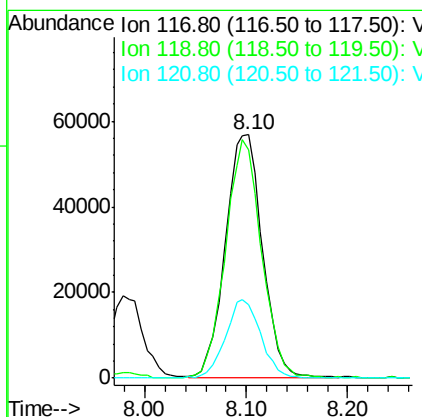
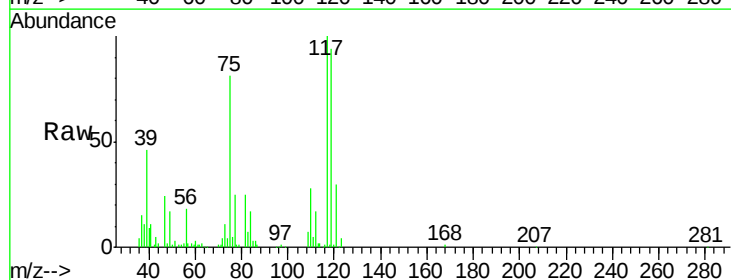
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#38
Carbon Tetrachloride
Concen: 20.080 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	73.3	109.9
121	30.3	25.0	37.4





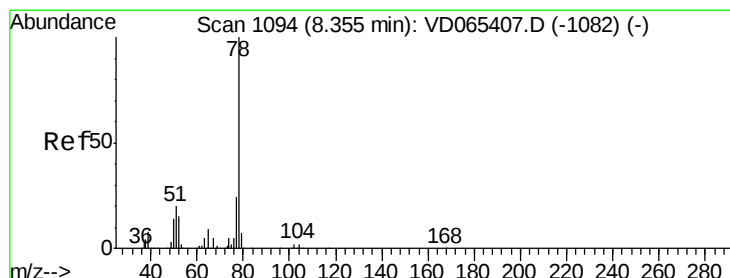
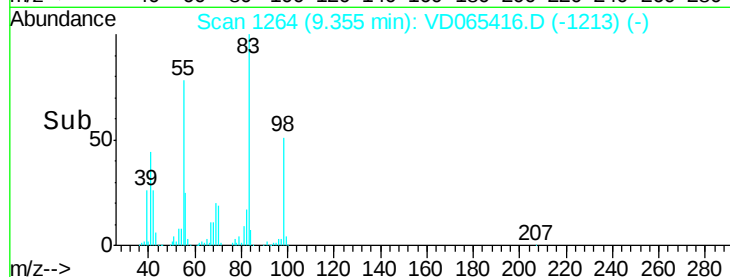
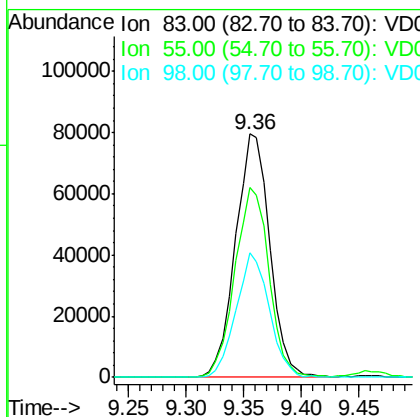
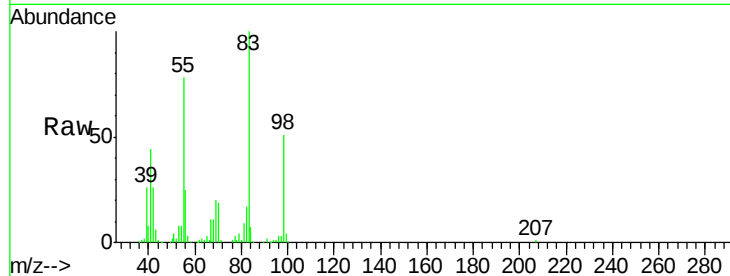
#39
Methvlcvclohexane
Concen: 19.803 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.2	57.1	85.7
98	51.3	37.8	56.8

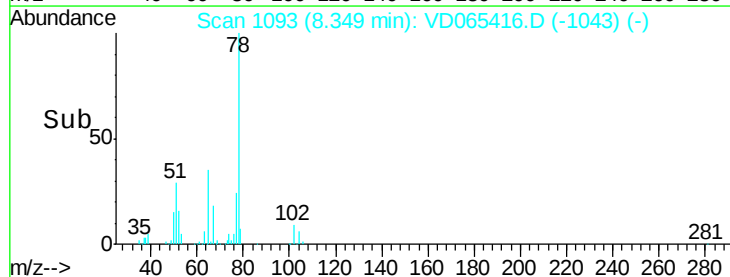
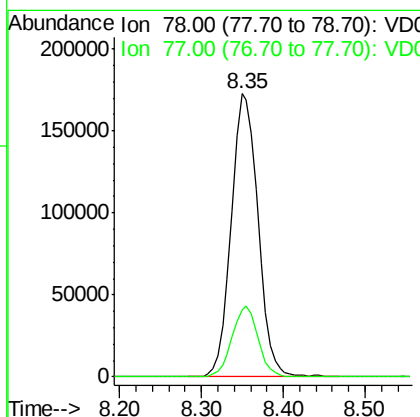
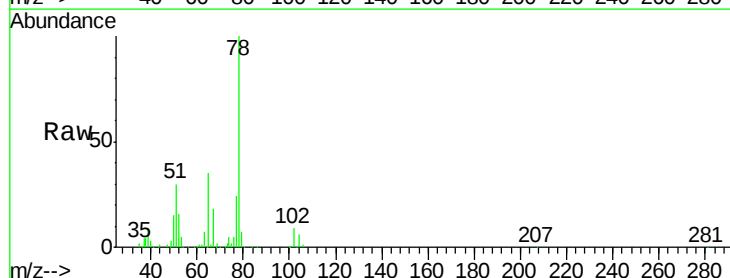
Manual Integrations
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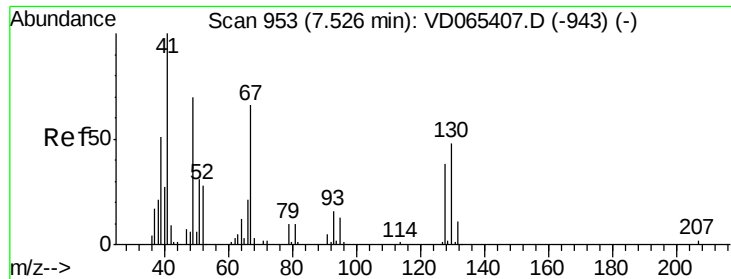
MMDadoda
3/5/2020 1:39:08 PM



#40
Benzene
Concen: 20.553 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.4	29.0





#41

Methacrylonitrile

Concen: 24.142 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 41 Resp: 33843

Ion Ratio Lower Upper

41 100

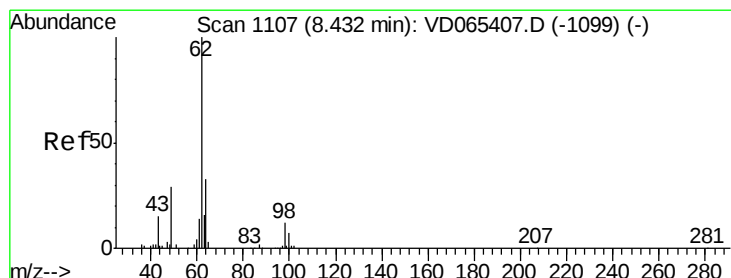
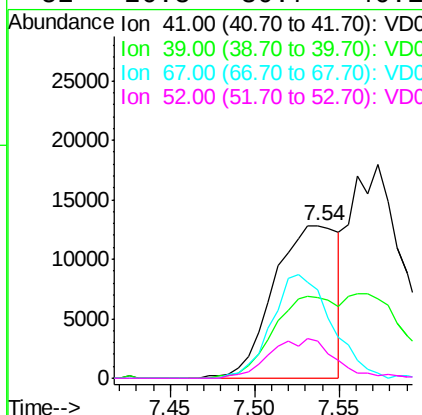
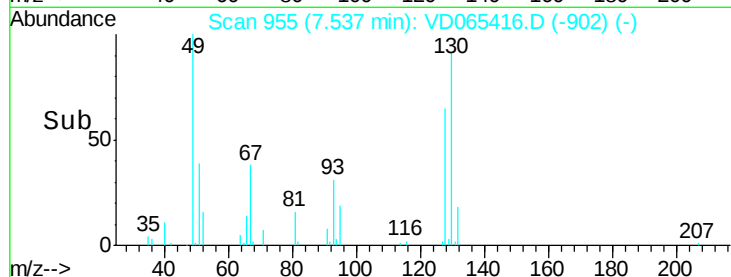
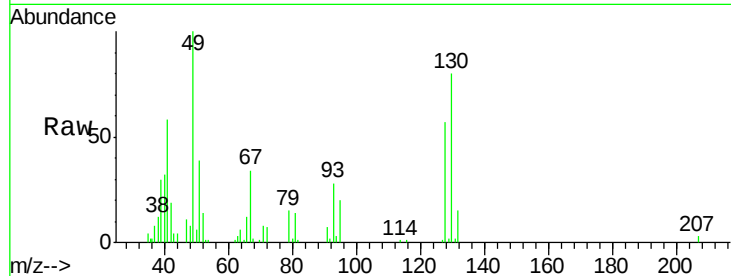
39 52.6 55.0 82.6#

67 63.5 70.3 105.5#

52 26.8 30.7 46.1#

Manual Integrations
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3/5/2020 1:39:08 PM



#42

1,2-Dichloroethane

Concen: 21.291 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065416.D

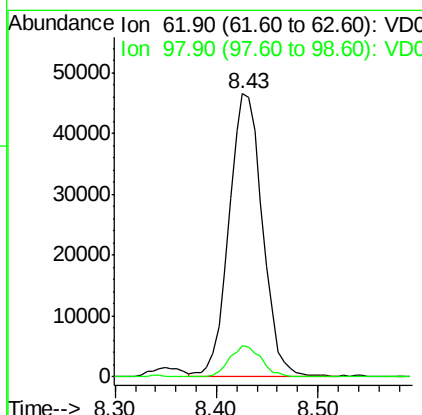
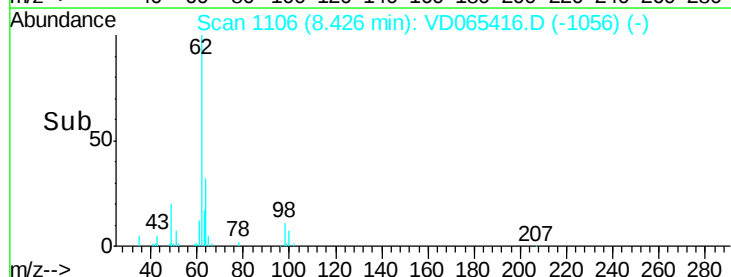
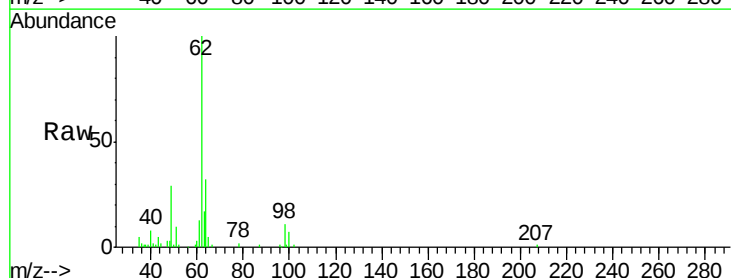
Acq: 04 Mar 2020 17:46

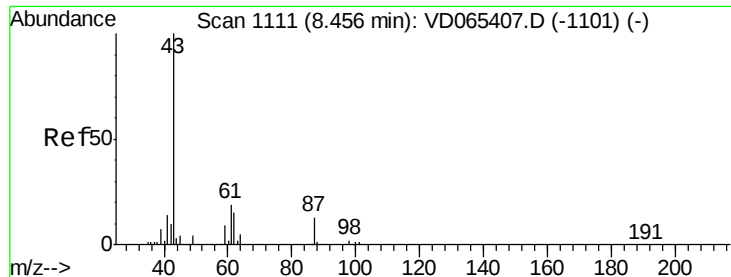
Tgt Ion: 62 Resp: 106606

Ion Ratio Lower Upper

62 100

98 10.4 0.0 21.4





#43

Isopropyl Acetate

Concen: 19.756 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

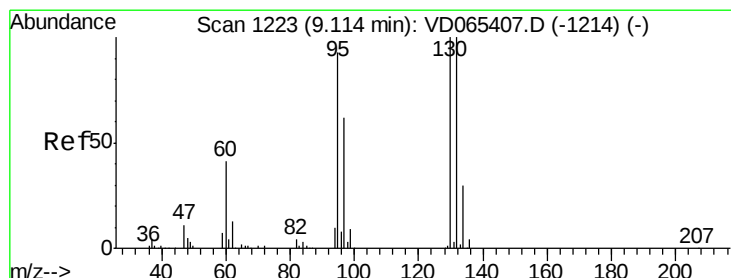
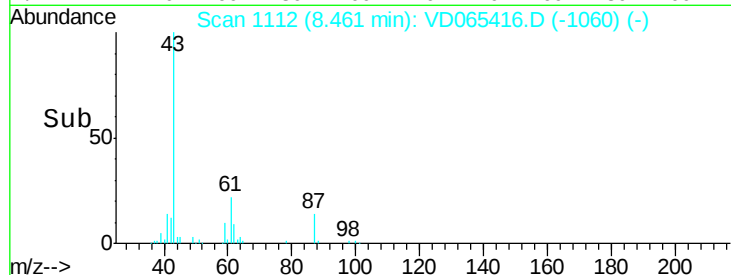
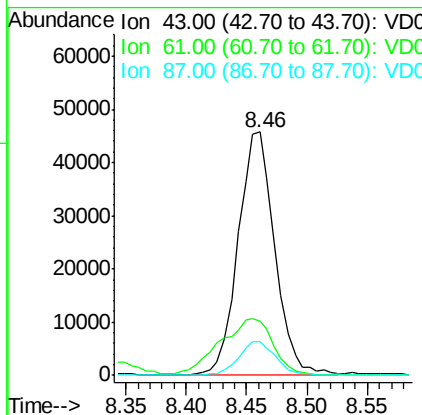
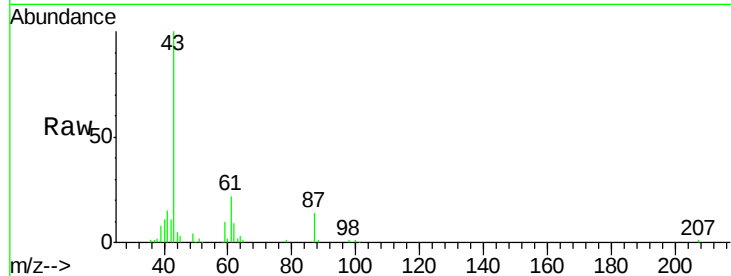
ClientSampleId :

VD0304SBS01

Tot Ion:	43	Resp:	96691
Ion	Ratio	Lower	Upper
43	100		
61	33.7	25.0	37.6
87	13.9	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 20.318 ug/l

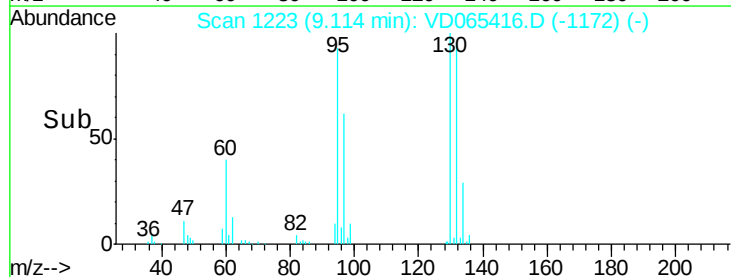
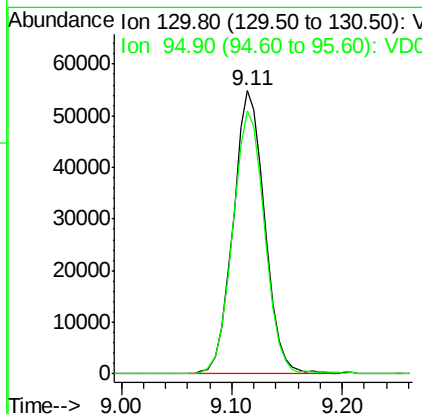
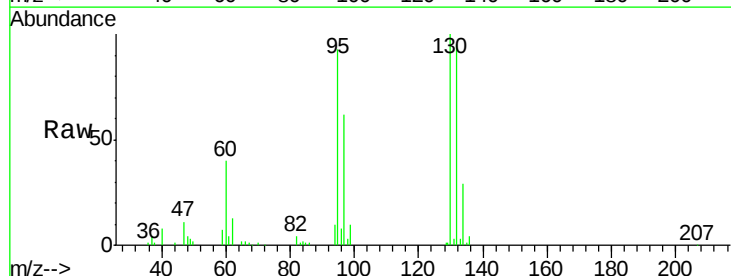
RT: 9.11 min Scan# 1223

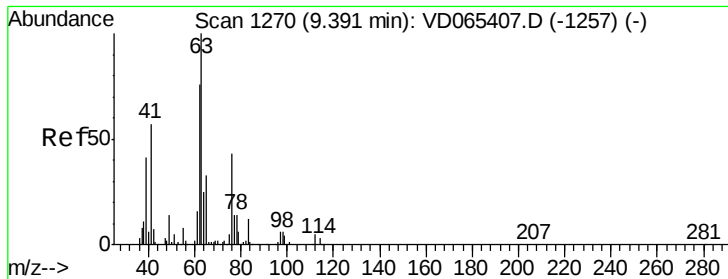
Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Tgt Ion:	130	Resp:	110022
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	186.0





#45

1,2-Dichloropropane

Concen: 20.422 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 63 Resp: 94855

Ion Ratio Lower Upper

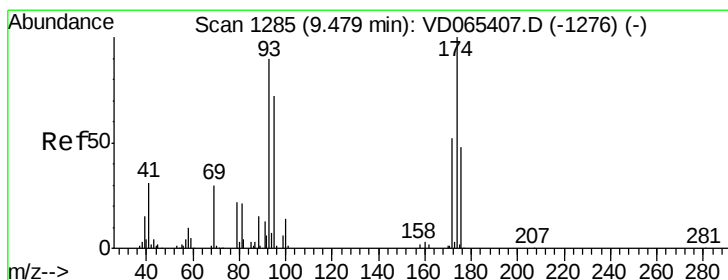
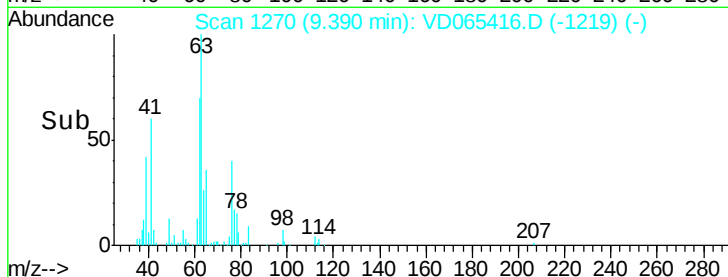
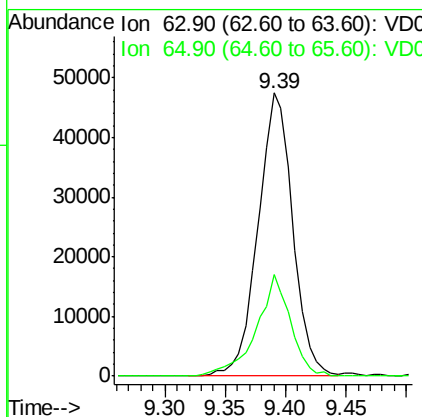
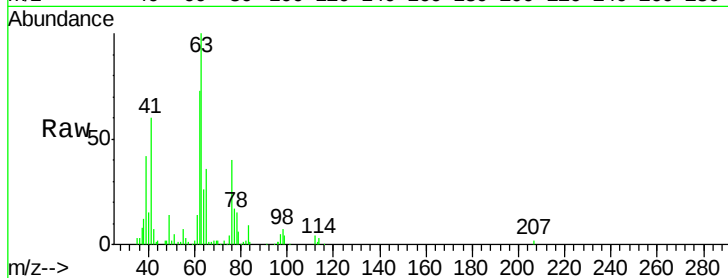
63 100

65 35.7 26.4 39.6

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#46

Dibromomethane

Concen: 20.690 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

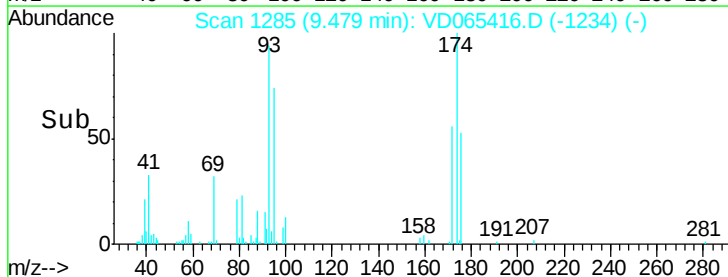
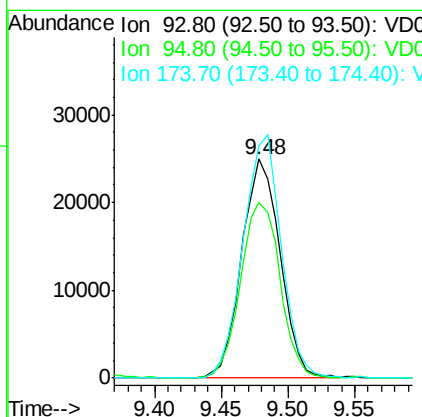
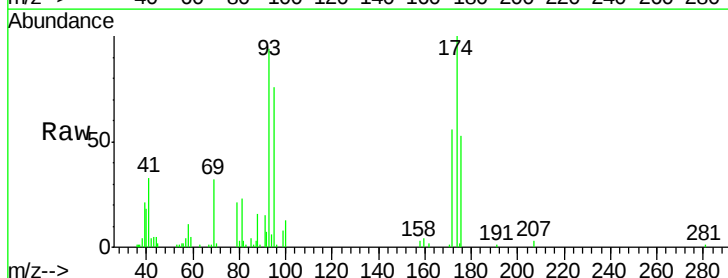
Tgt Ion: 93 Resp: 49847

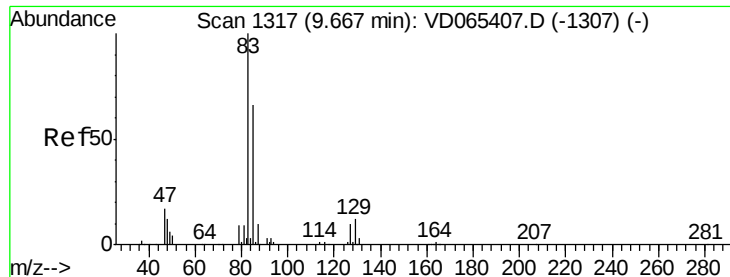
Ion Ratio Lower Upper

93 100

95 82.2 65.0 97.6

174 110.1 88.3 132.5





#47

Bromodichloromethane

Concen: 20.221 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

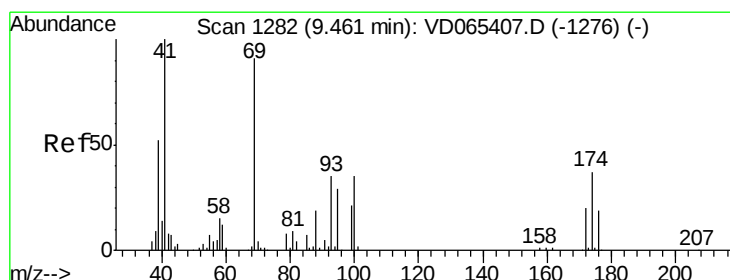
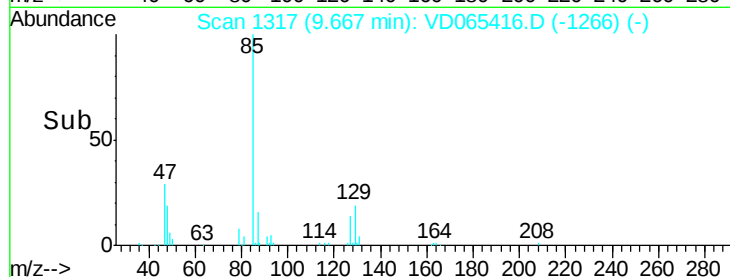
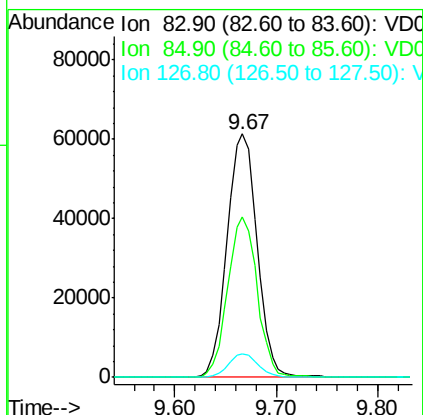
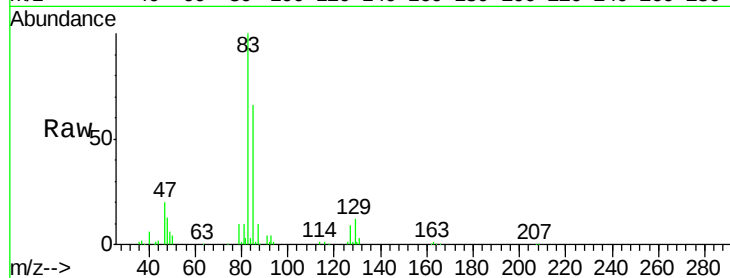
ClientSampleId :

VD0304SBS01

Tot Ion:	83	Resp:	126739
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.8	79.2
127	9.4	8.0	12.0

Manual Integrations
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3/5/2020 1:39:08 PM



#48

Methyl methacrylate

Concen: 19.730 ug/l

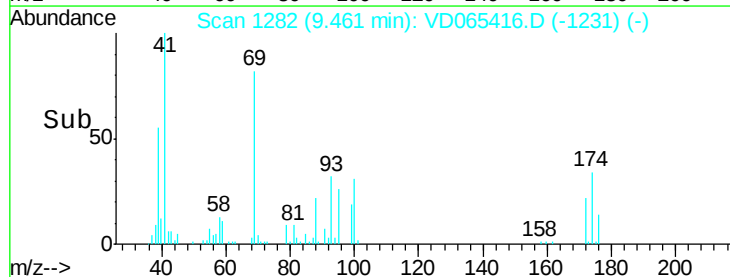
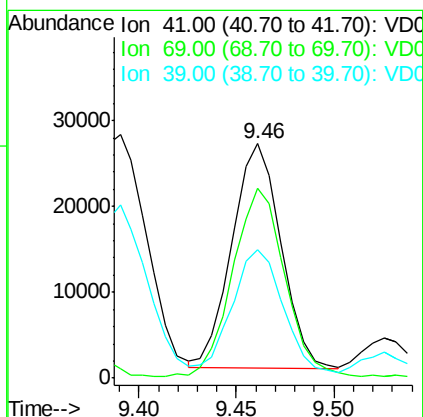
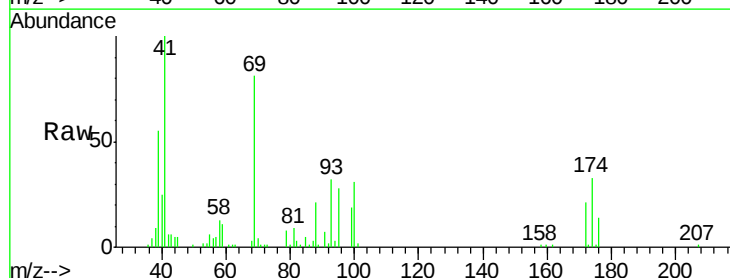
RT: 9.46 min Scan# 1282

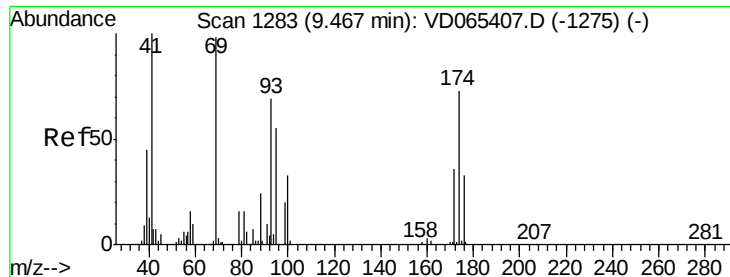
Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Tgt Ion:	41	Resp:	45424
Ion	Ratio	Lower	Upper
41	100		
69	89.6	72.5	108.7
39	55.8	41.6	62.4





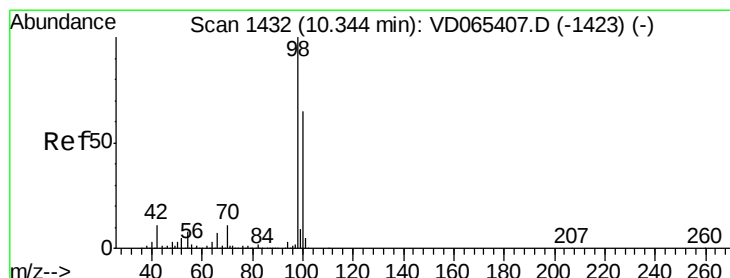
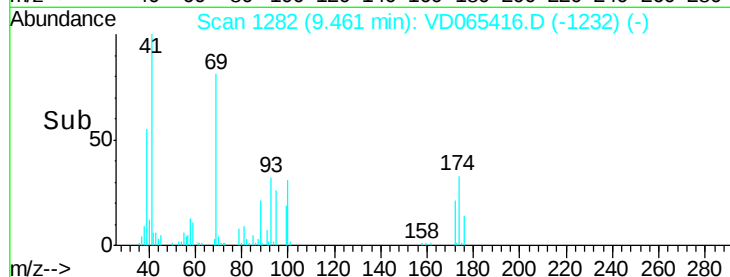
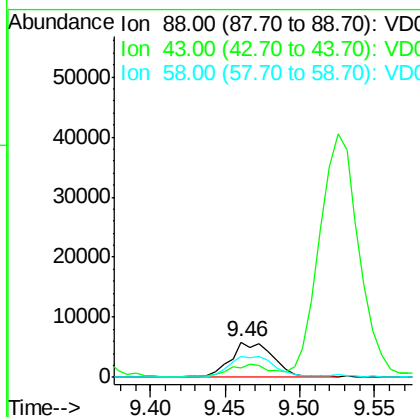
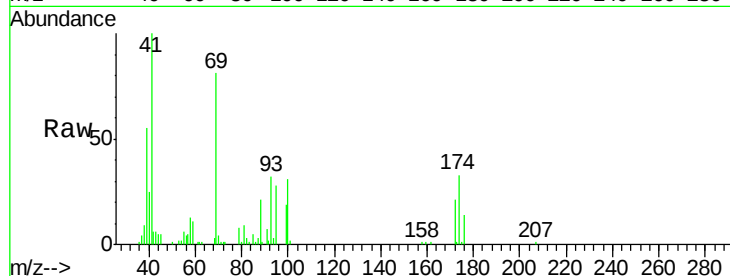
#49
1,4-Dioxane
Concen: 421.146 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	88	Resp	11606
Ion	Ratio	Lower	Upper
88	100		
43	38.6	24.5	36.7#
58	66.8	54.5	81.7

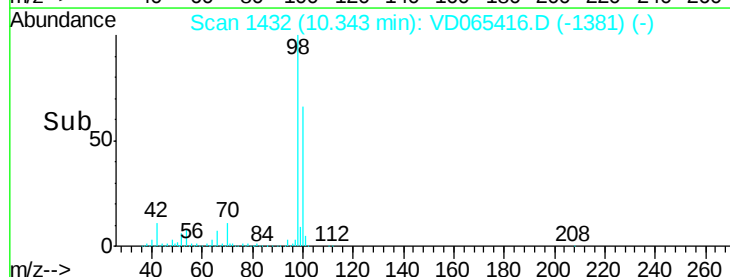
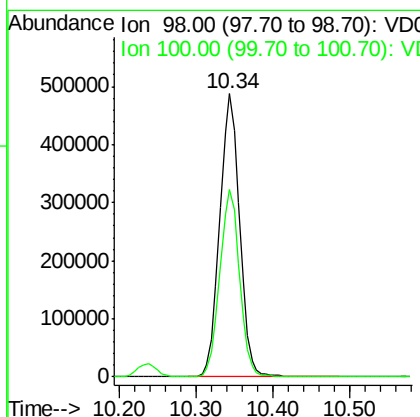
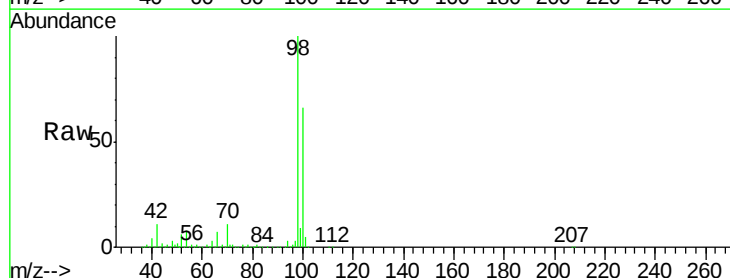
Manual Integrations
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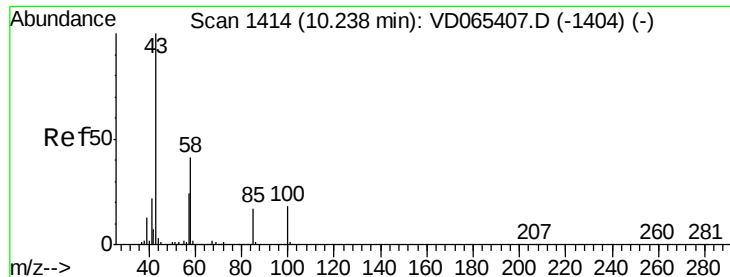
MMDadoda
3/5/2020 1:39:08 PM



#50
Toluene-d8
Concen: 51.403 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	98	Resp	872485
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 103.229 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 43 Resp: 254247

Ion Ratio Lower Upper

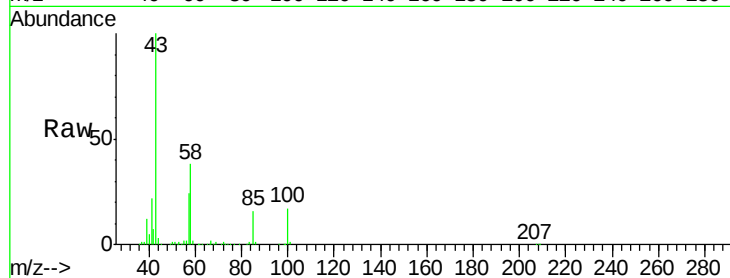
43 100

58 38.4 31.8 47.6

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.24

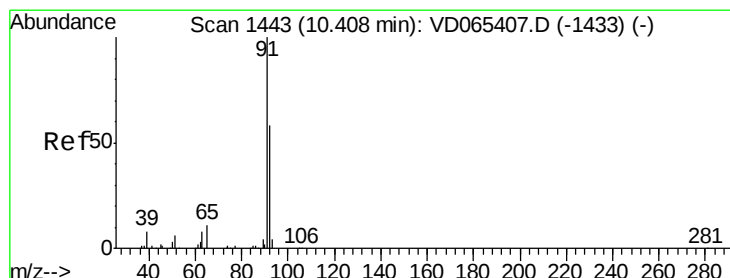
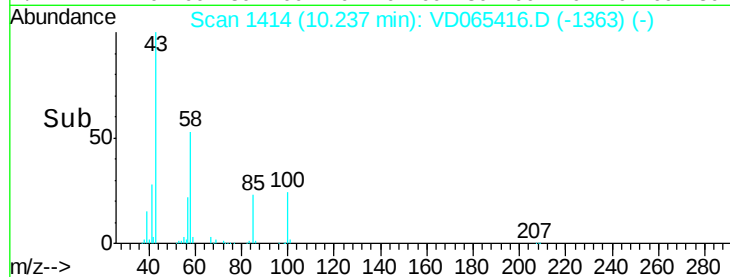
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 21.134 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065416.D

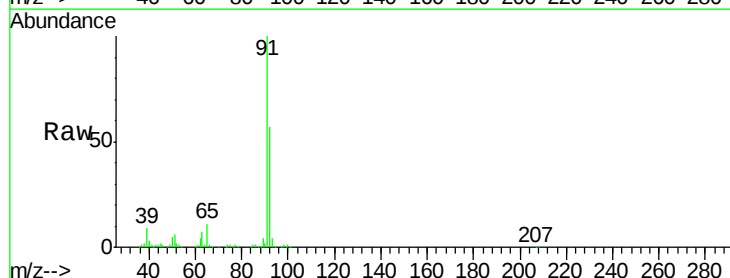
Acq: 04 Mar 2020 17:46

Tgt Ion: 92 Resp: 255283

Ion Ratio Lower Upper

92 100

91 170.5 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

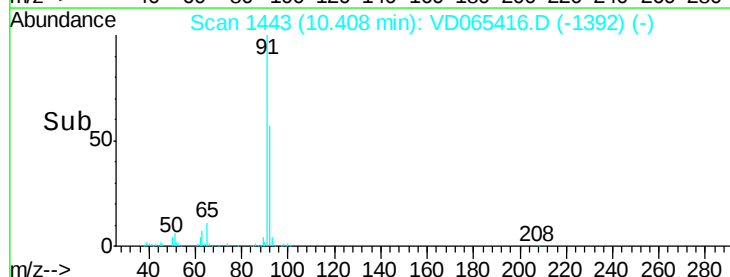
150000

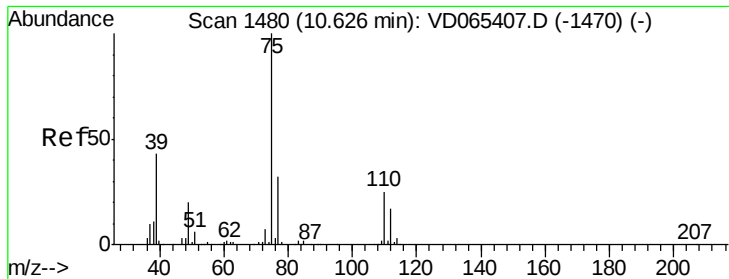
100000

50000

0

Time-->





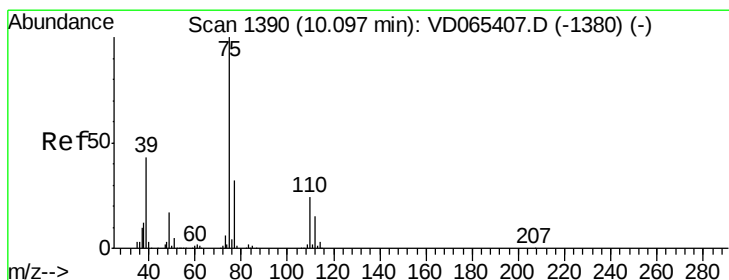
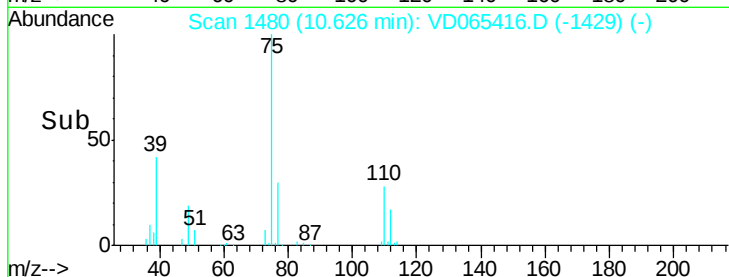
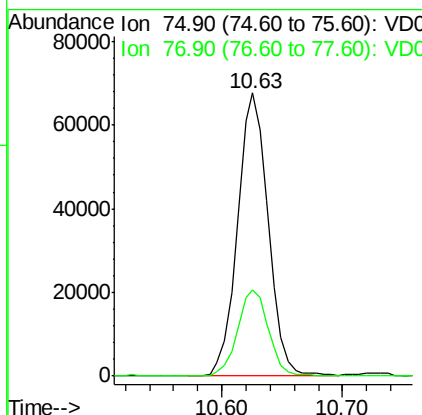
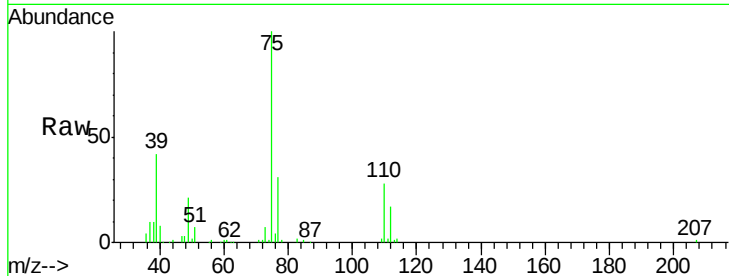
#53
 t-1,3-Dichloropropene
 Concen: 20.438 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.2

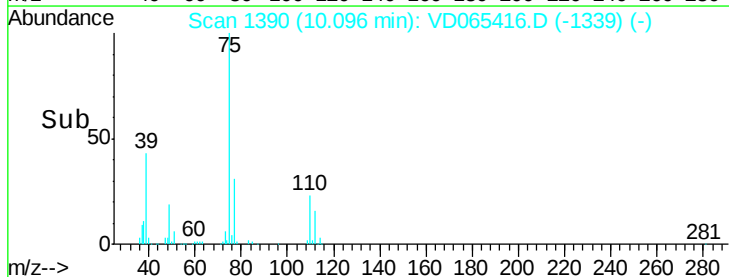
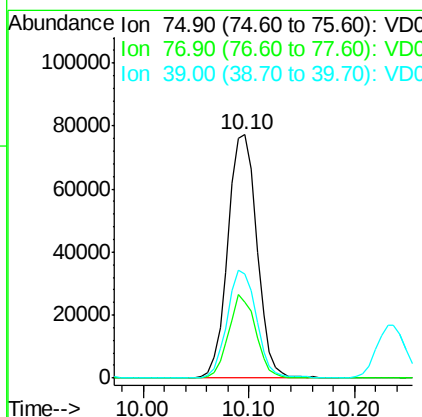
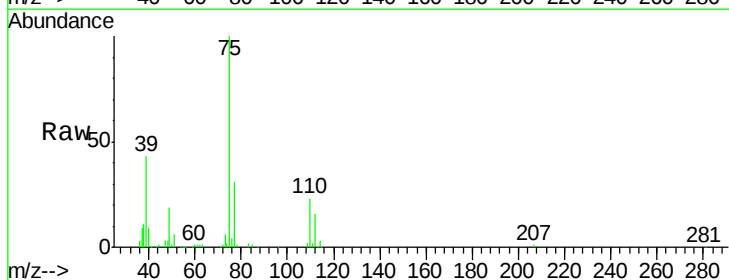
Manual Integrations
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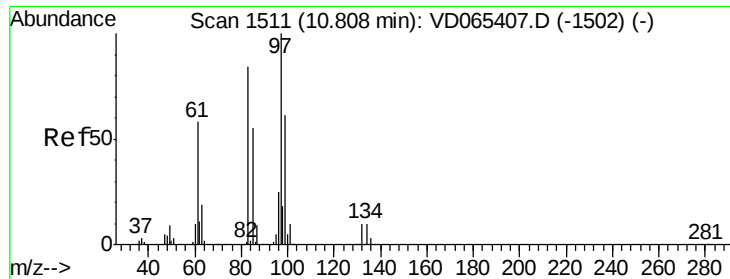
MMDadoda
 3/5/2020 1:39:08 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.765 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.3	37.9
39	42.9	34.6	52.0





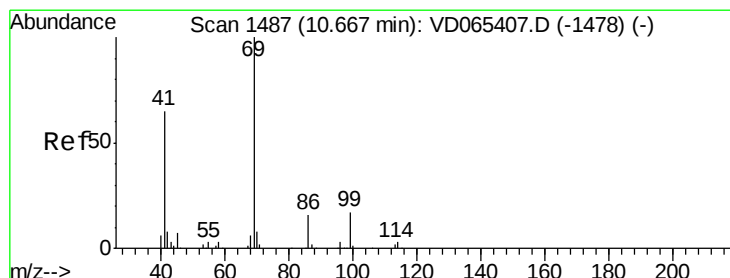
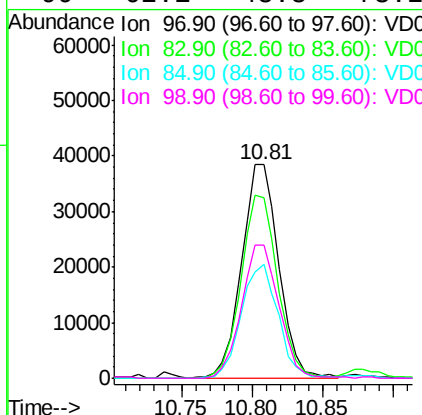
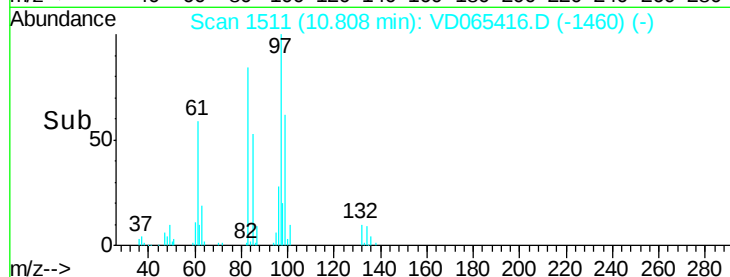
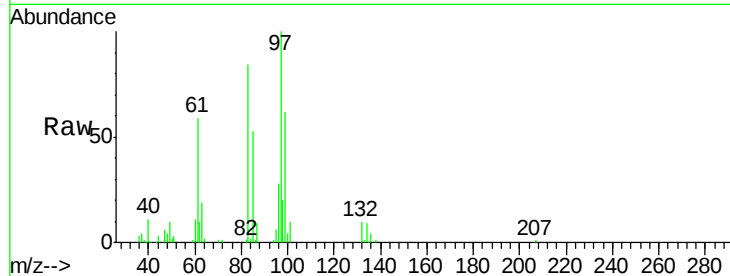
#55
 1,1,2-Trichloroethane
 Concen: 20.771 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion:	97	Resp:	70876
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.4	101.0
85	53.5	43.8	65.8
99	62.1	48.8	73.2

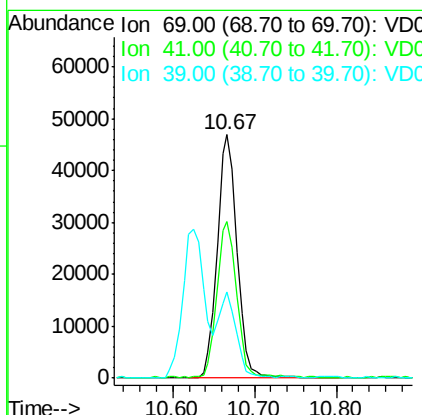
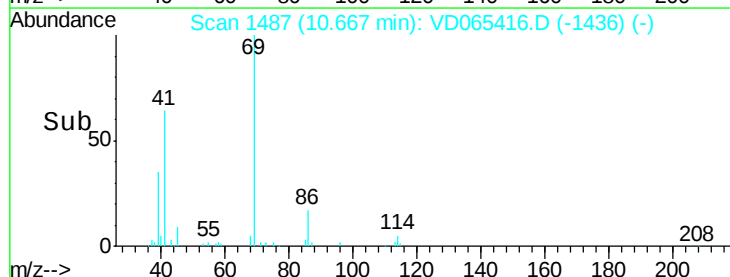
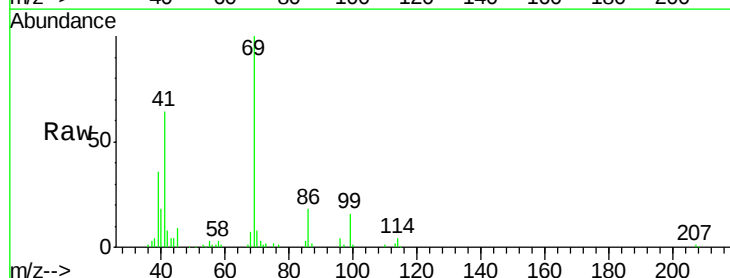
Manual Integrations
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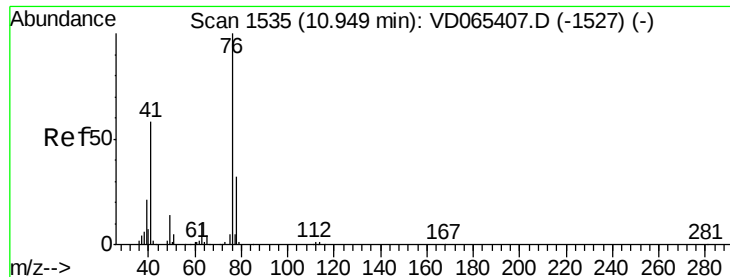
MMDadoda
 3/5/2020 1:39:08 PM



#56
 Ethyl methacrylate
 Concen: 20.599 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Tgt Ion:	69	Resp:	79240
Ion	Ratio	Lower	Upper
69	100		
41	63.5	53.0	79.6
39	31.8	26.0	39.0





#57

1,3-Dichloropropane

Concen: 20.627 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 76 Resp: 119091

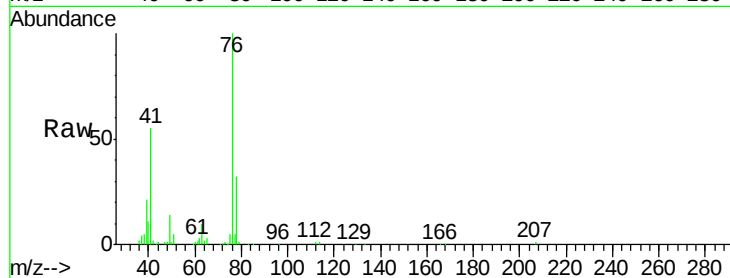
Ion Ratio Lower Upper

76 100

78 32.2 26.0 39.0

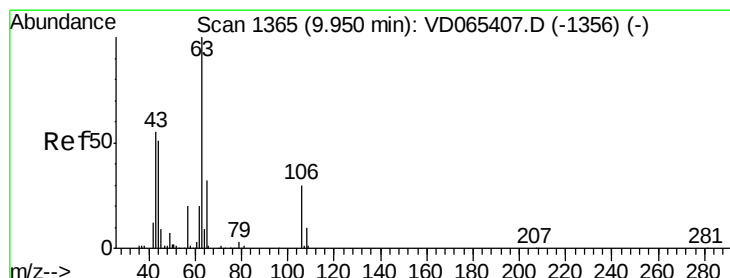
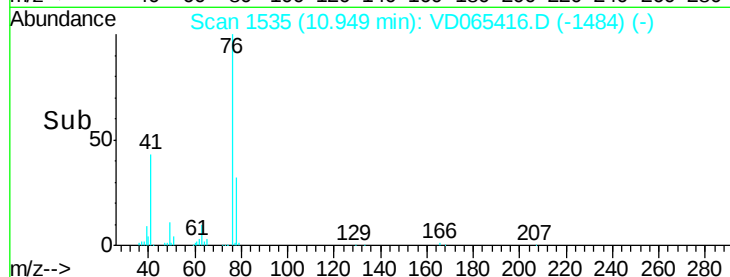
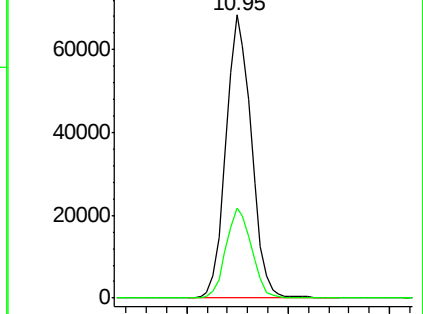
Manual Integrations
APPROVED

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3/5/2020 1:39:08 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 122.340 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065416.D

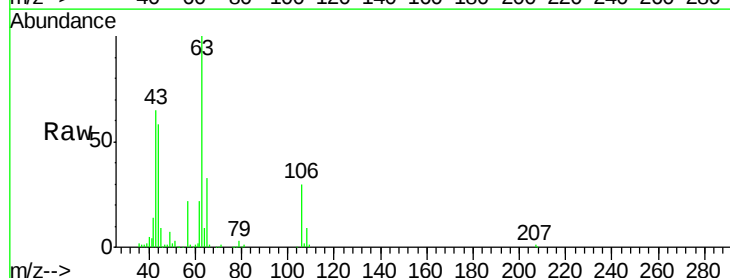
Acq: 04 Mar 2020 17:46

Tgt Ion: 63 Resp: 145739

Ion Ratio Lower Upper

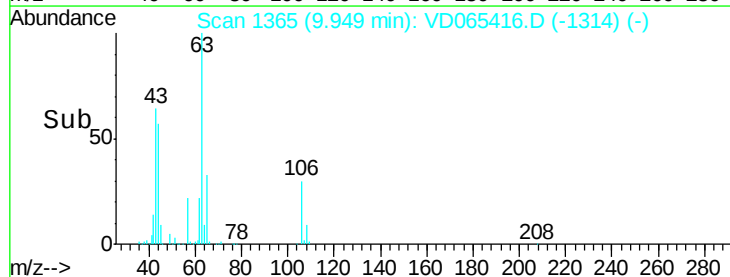
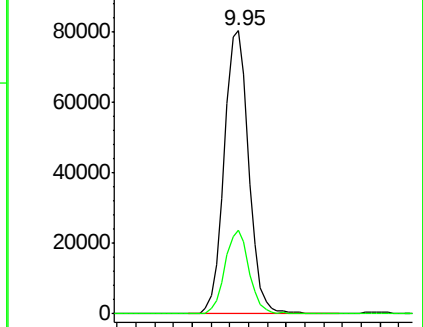
63 100

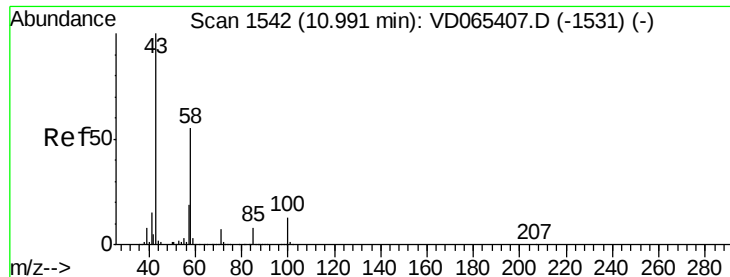
106 28.9 23.3 34.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





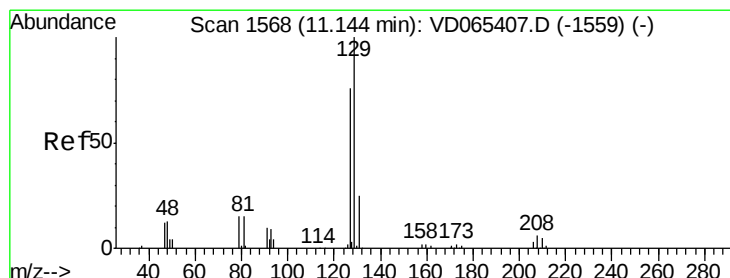
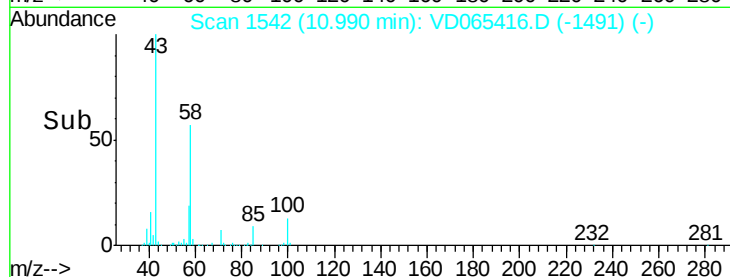
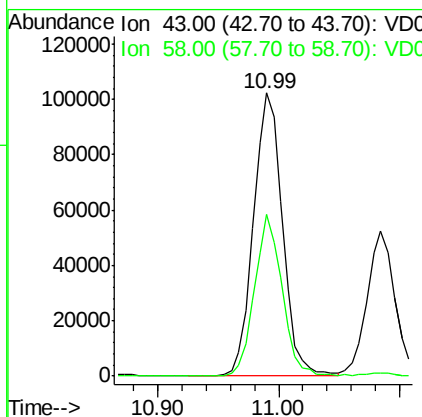
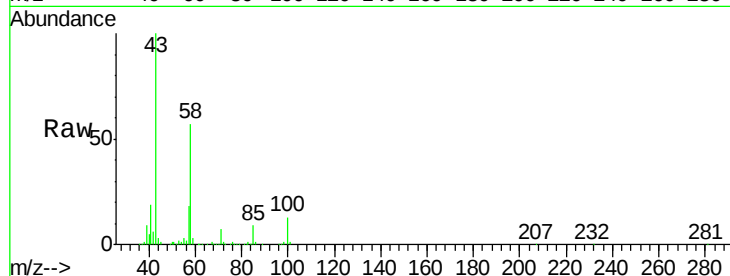
#59
2-Hexanone
Concen: 100.918 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion: 43 Resp: 172061
Ion Ratio Lower Upper
43 100
58 54.0 27.4 82.2

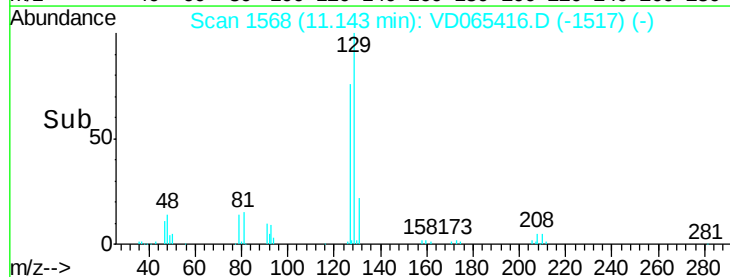
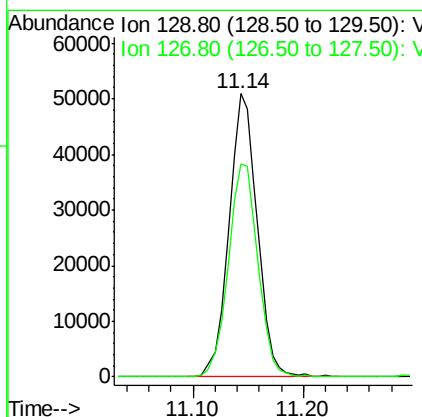
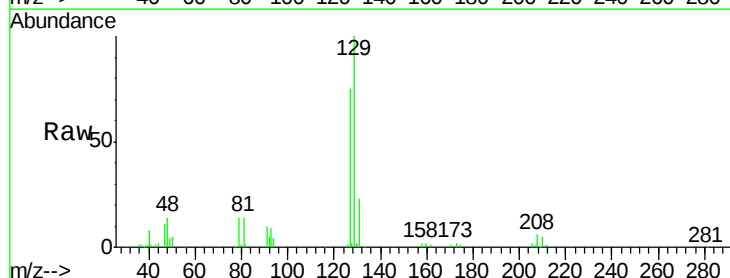
Manual Integrations
APPROVED

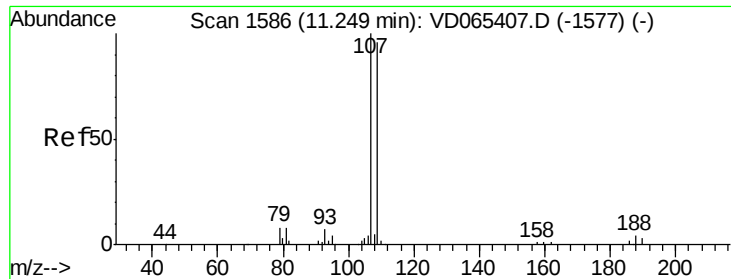
MMDadoda
3/5/2020 1:39:08 PM



#60
Dibromochloromethane
Concen: 20.879 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion: 129 Resp: 91326
Ion Ratio Lower Upper
129 100
127 78.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 21.231 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 107 Resp: 69103

Ion Ratio Lower Upper

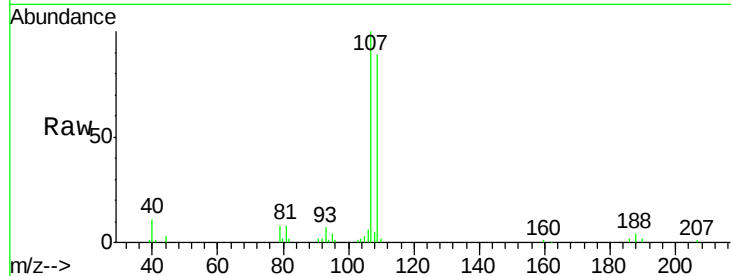
107 100

109 91.4 76.8 115.2

Manual Integrations
APPROVED

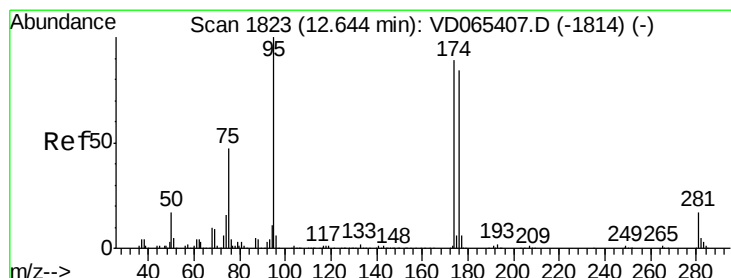
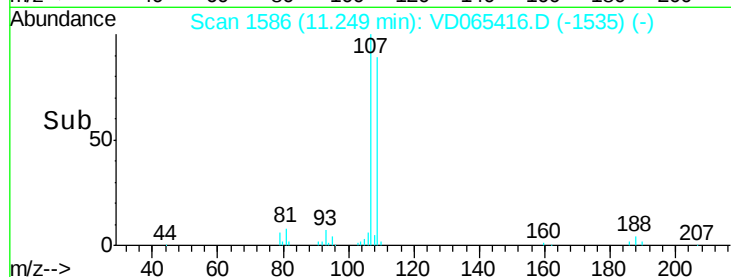
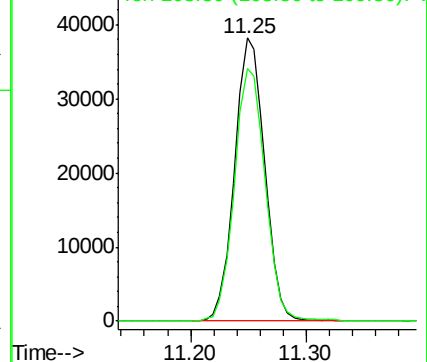
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.959 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

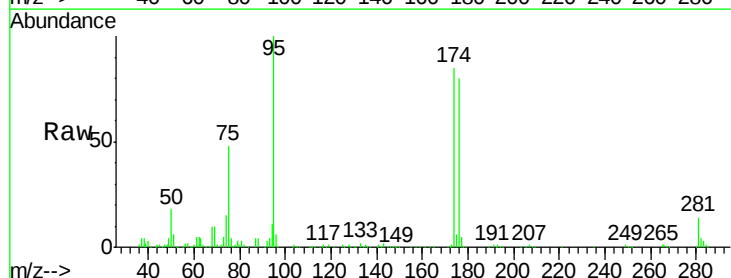
Tgt Ion: 95 Resp: 277496

Ion Ratio Lower Upper

95 100

174 90.0 0.0 176.8

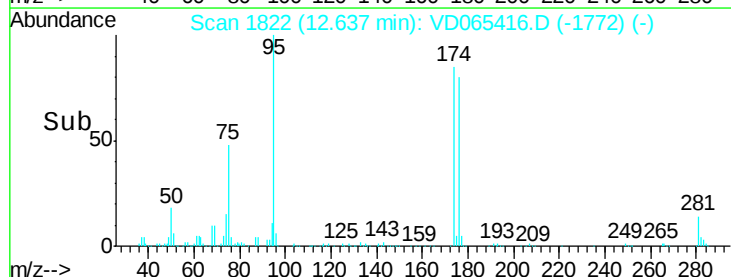
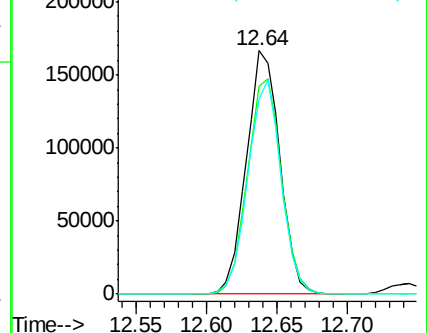
176 86.8 0.0 171.4



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





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

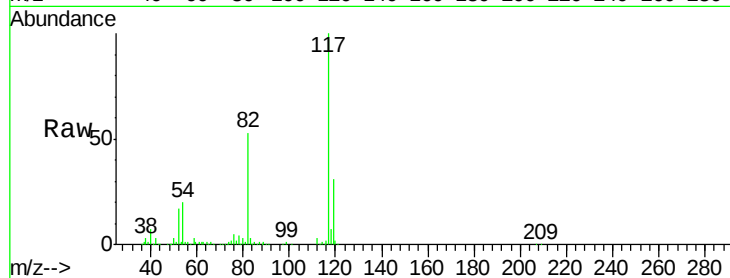
ClientSampleId :

VD0304SBS01

Tot Ion:	117	Resp:	643714
Ion Ratio		Lower	Upper
117	100		
82	53.0	40.6	60.8
119	31.1	25.4	38.2

Manual Integrations
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3/5/2020 1:39:08 PM

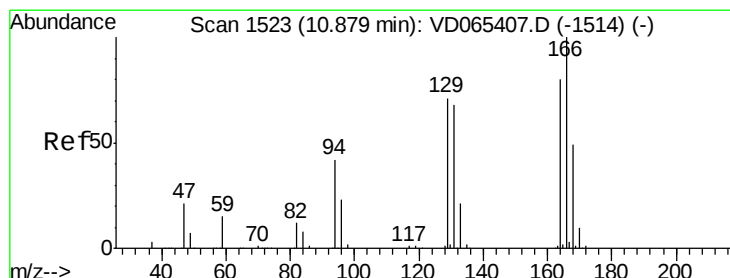
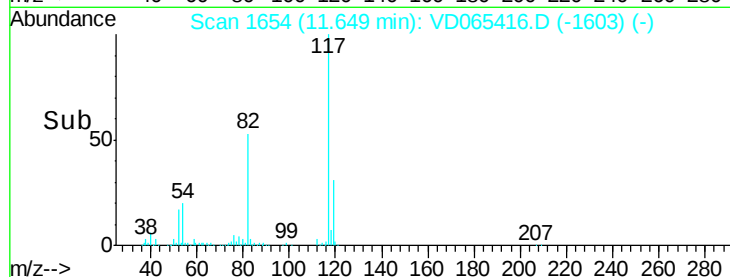
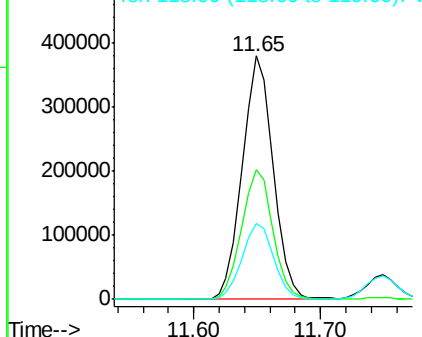


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.434 ug/l

RT: 10.88 min Scan# 1523

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Tgt Ion:	164	Resp:	94256
Ion Ratio		Lower	Upper
164	100		
166	119.0	100.5	150.7
129	83.9	71.5	107.3
131	79.6	68.5	102.7

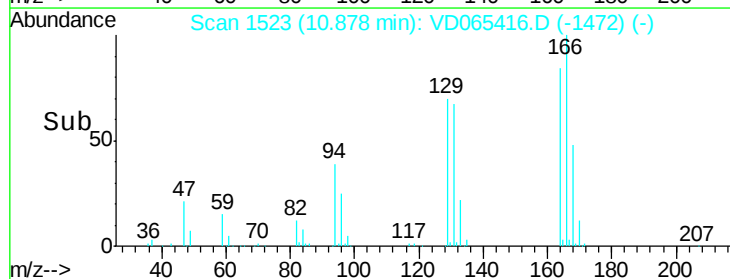
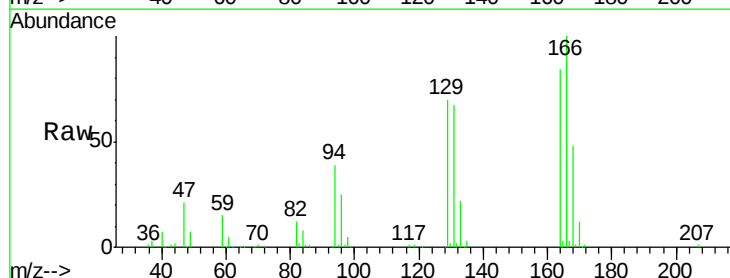
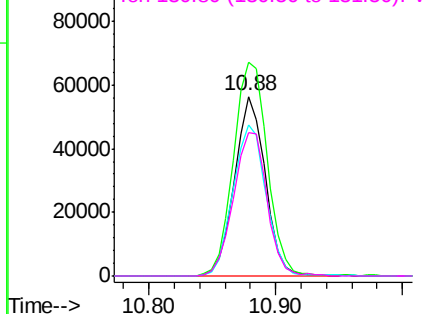
Abundance

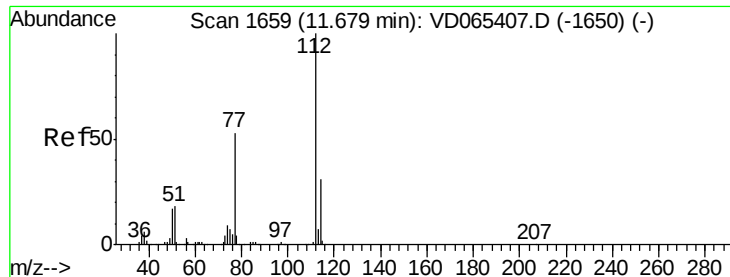
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





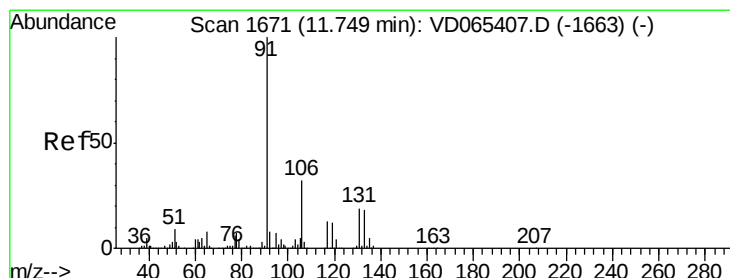
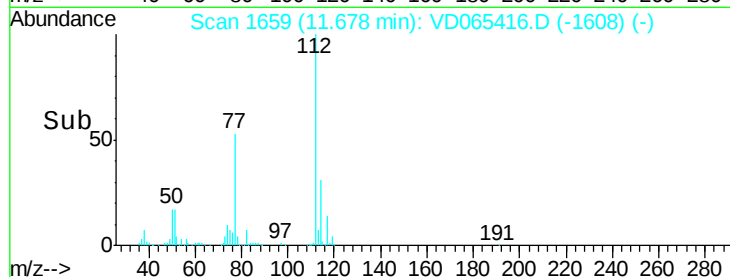
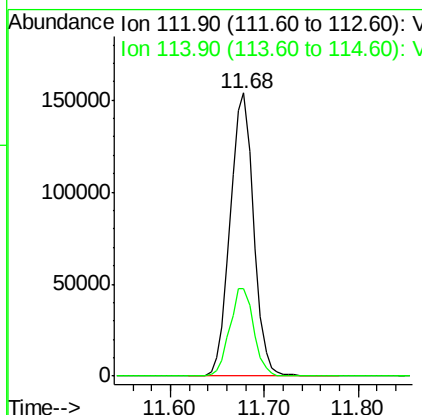
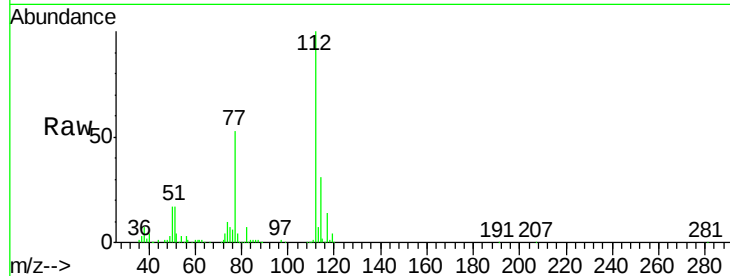
#65
Chlorobenzene
Concen: 20.914 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.4	36.6

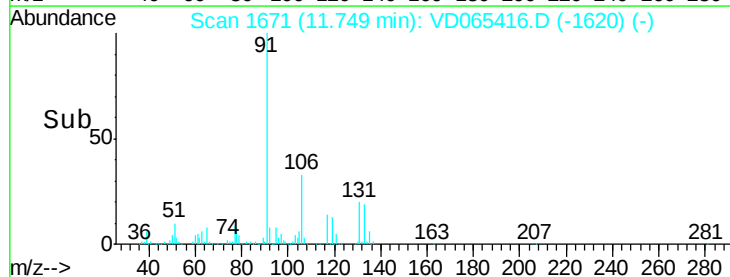
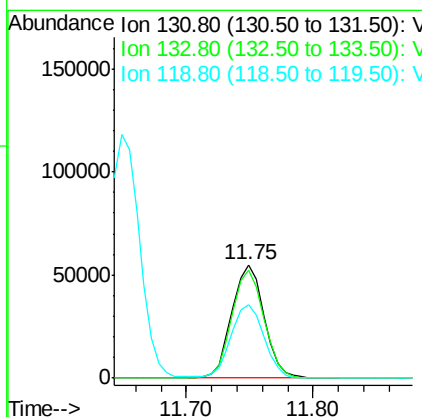
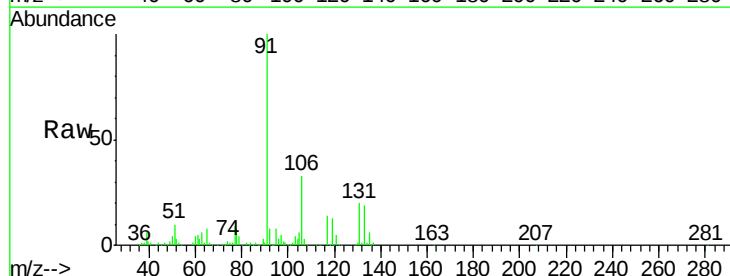
Manual Integrations
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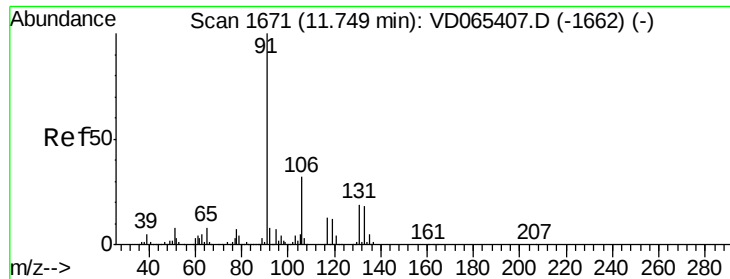
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.956 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	49.2	147.6
119	66.3	33.3	99.8





#67

Ethyl Benzene

Concen: 20.703 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 91 Resp: 455673

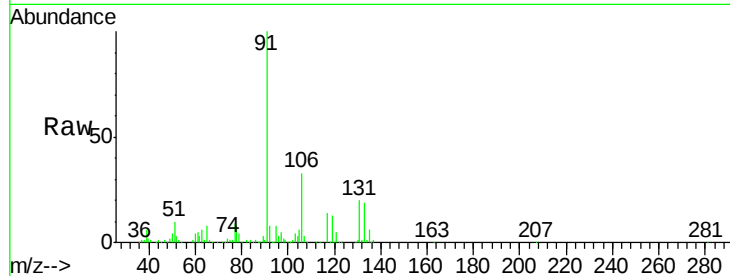
Ion Ratio Lower Upper

91 100

106 32.6 25.2 37.8

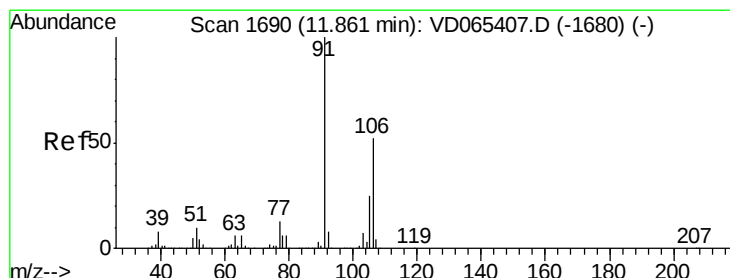
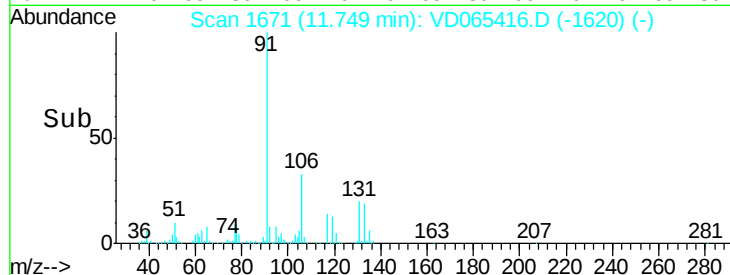
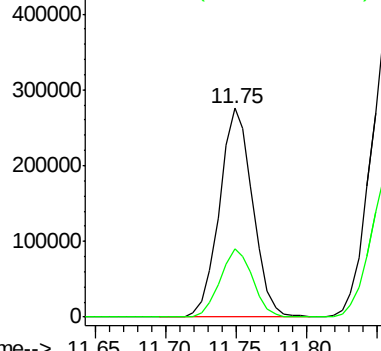
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.961 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065416.D

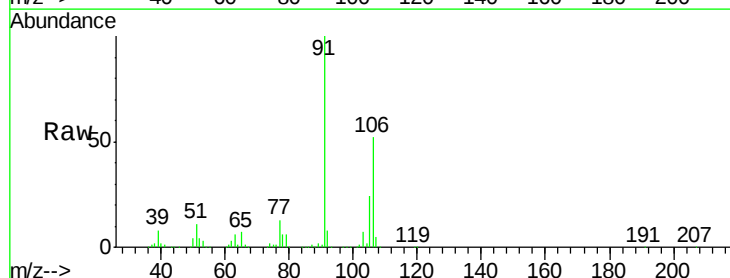
Acq: 04 Mar 2020 17:46

Tgt Ion: 106 Resp: 356123

Ion Ratio Lower Upper

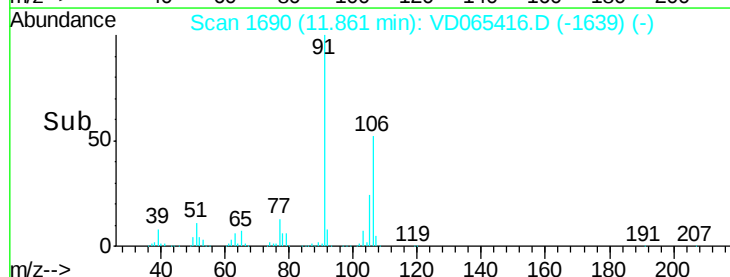
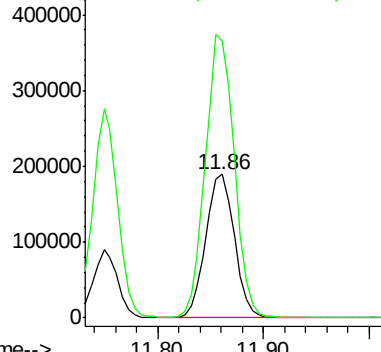
106 100

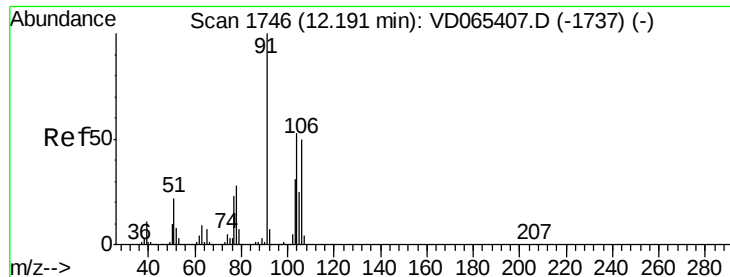
91 198.2 155.9 233.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





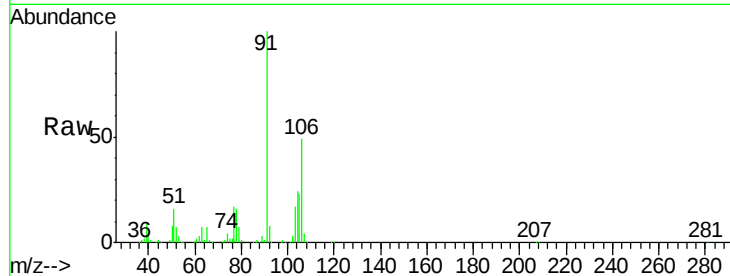
#69
o-Xylene
Concen: 21.046 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

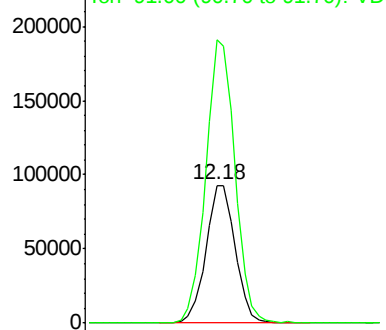
Tot Ion	Ratio	Lower	Upper
106	100		
91	204.9	103.5	310.3

Manual Integrations
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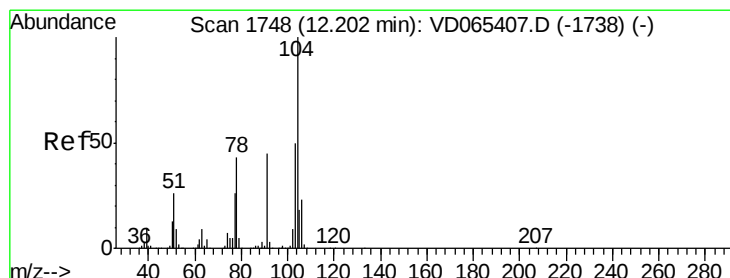
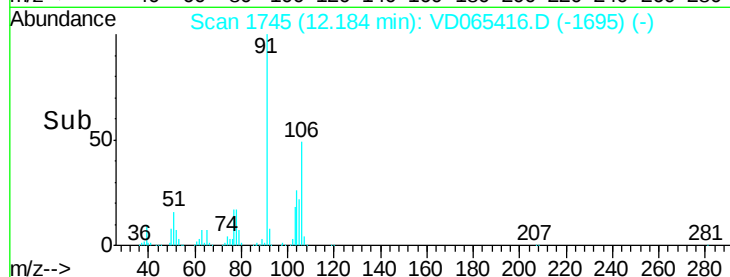
MMDadoda
3/5/2020 1:39:08 PM



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

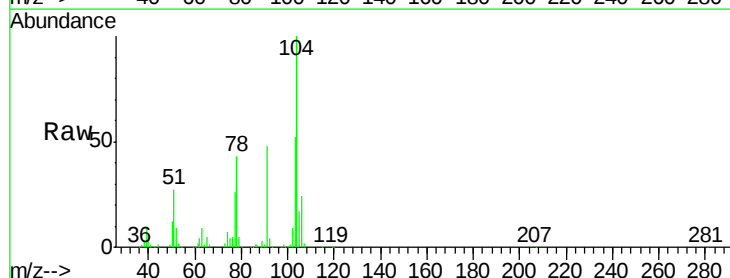


Time--> 12.10 12.20 12.30

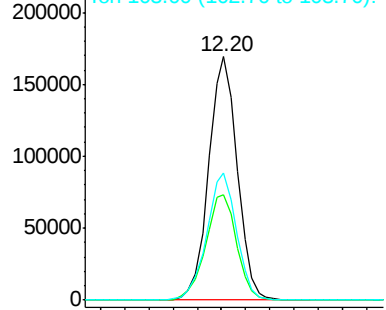


#70
Styrene
Concen: 21.280 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

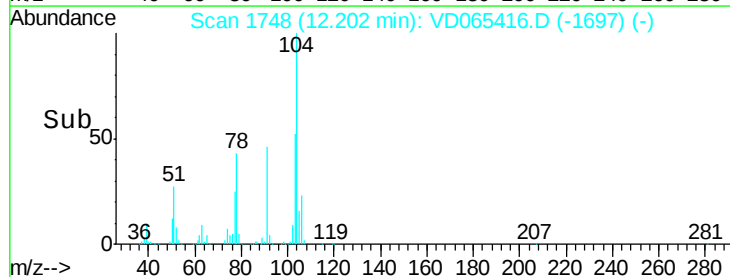
Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.7	56.5
103	54.7	43.6	65.4

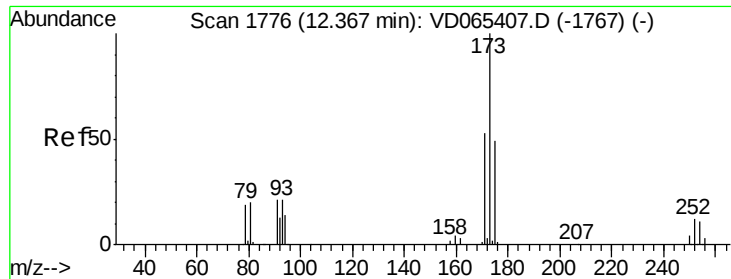


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.20 12.30





#71

Bromoform

Concen: 20.789 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

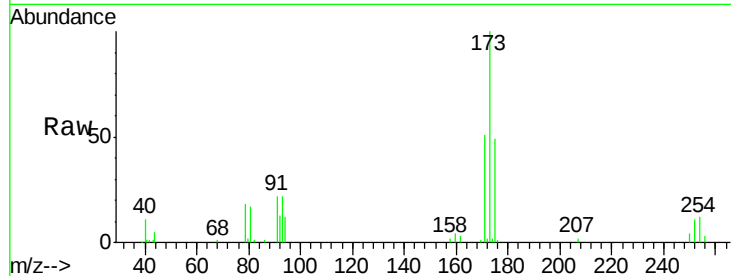
ClientSampleId :

VD0304SBS01

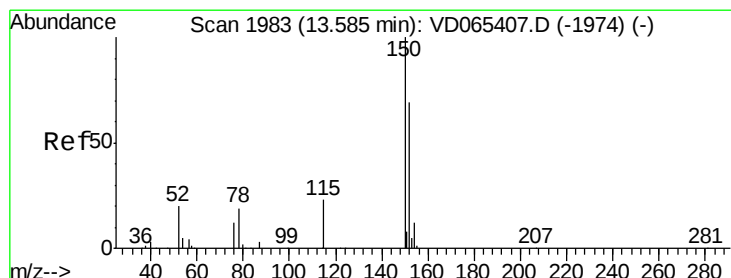
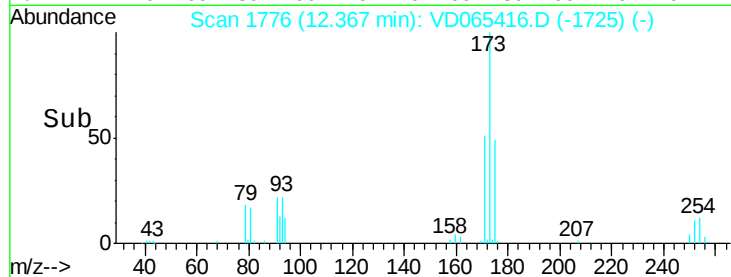
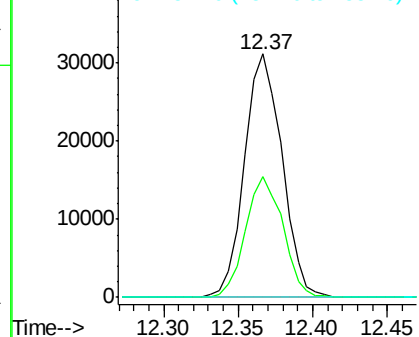
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.3	73.0
254	0.0	0.1	0.1

Manual Integrations
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3/5/2020 1:39:08 PM



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

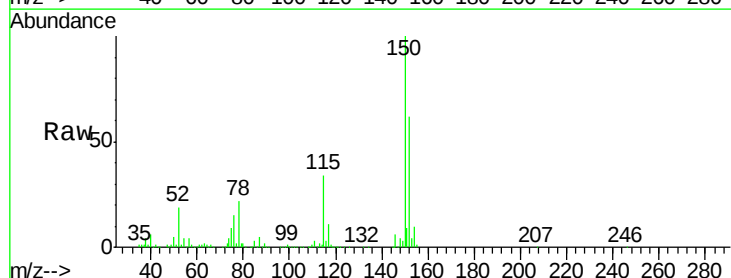
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

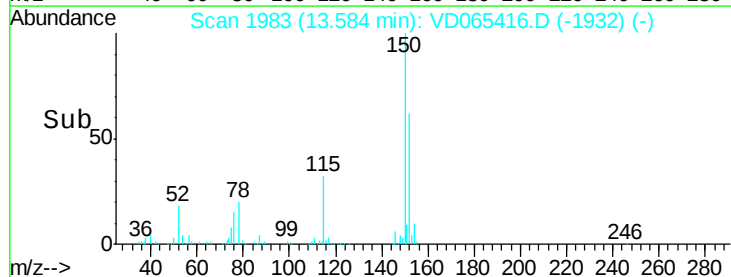
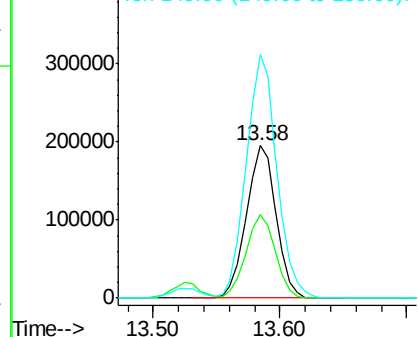
Lab File: VD065416.D

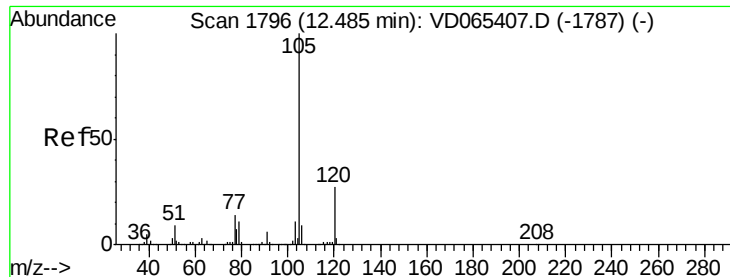
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	27.6	82.8
150	165.1	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: 20.714 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

ClientSampleId :

VD0304SBS01

Tot Ion: 105 Resp: 430805

Ion Ratio Lower Upper

105 100

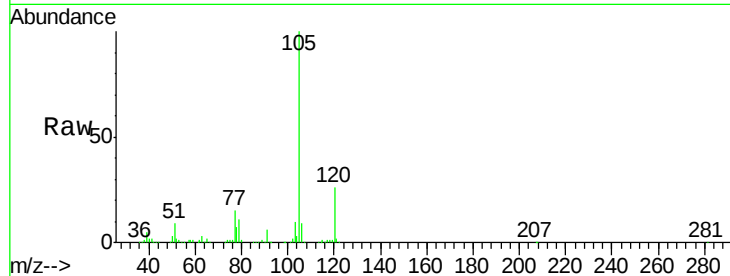
120 26.4 13.5 40.4

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

300000

250000

200000

150000

100000

50000

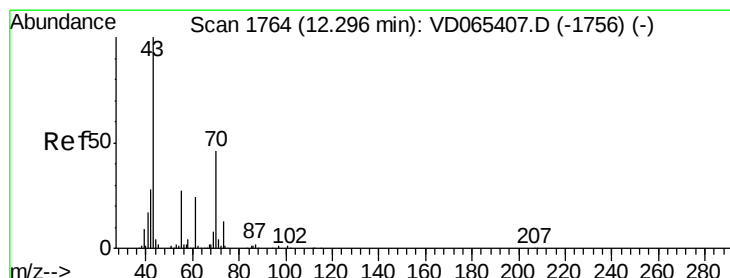
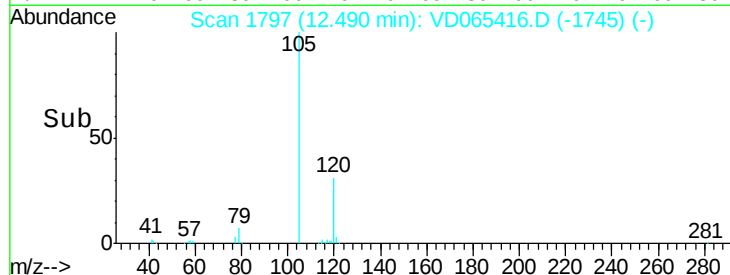
0

12.40

12.50

12.60

Time-->



#74

N-ethyl acetate

Concen: 20.381 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Tgt Ion: 43 Resp: 86775

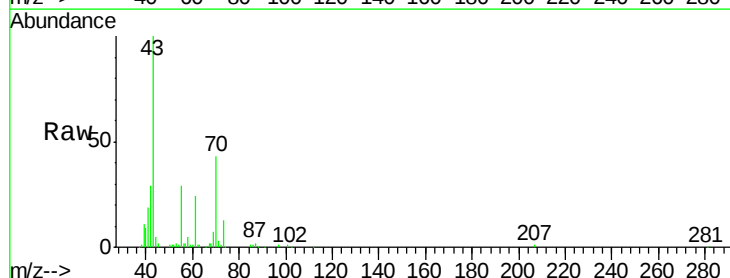
Ion Ratio Lower Upper

43 100

70 45.0 36.1 54.1

55 28.7 21.6 32.4

61 23.8 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

80000

60000

40000

20000

0

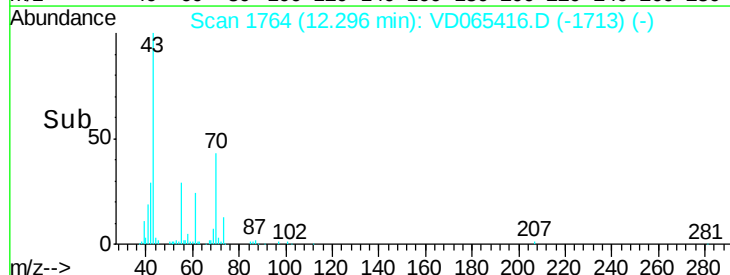
12.20

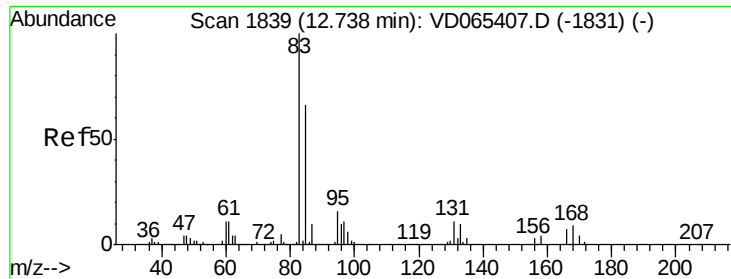
12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.293 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

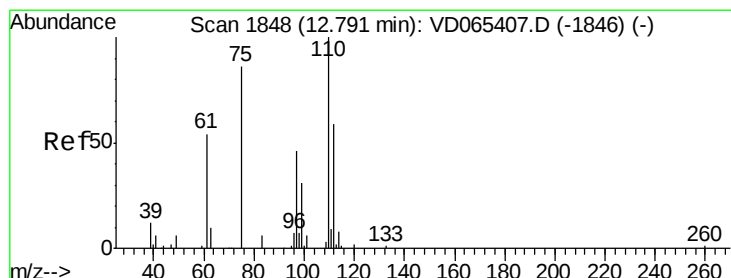
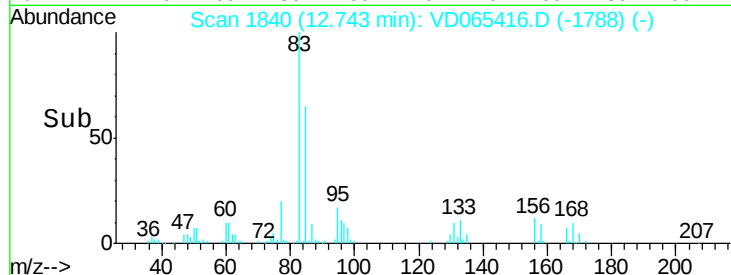
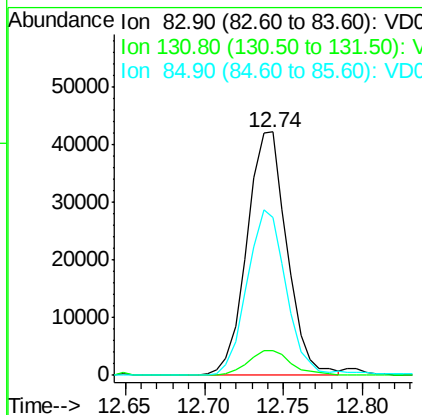
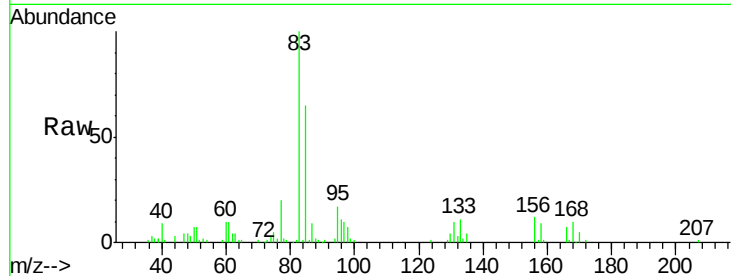
ClientSampleId :

VD0304SBS01

Tot Ion:	83	Resp:	74185
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	65.8	33.0	98.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.290 ug/l m

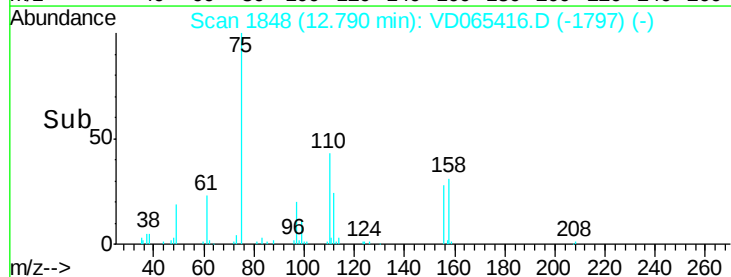
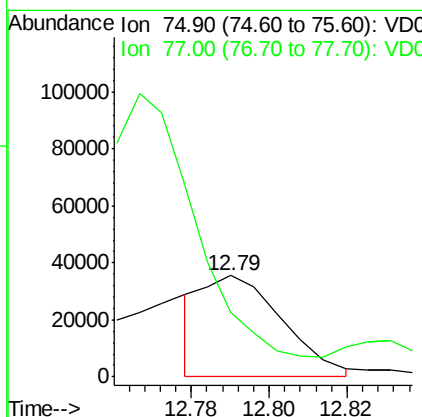
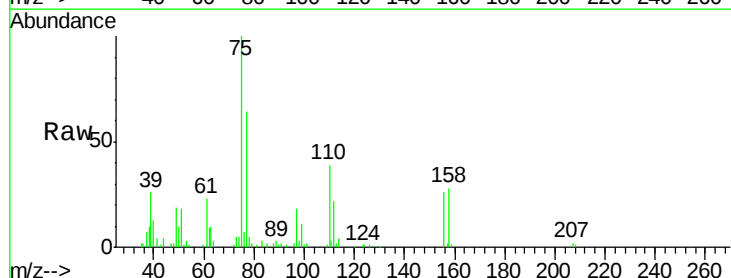
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Tgt Ion:	75	Resp:	50623
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.864 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065416.D

Acq: 04 Mar 2020 17:46

Instrument :

MSVOA_D

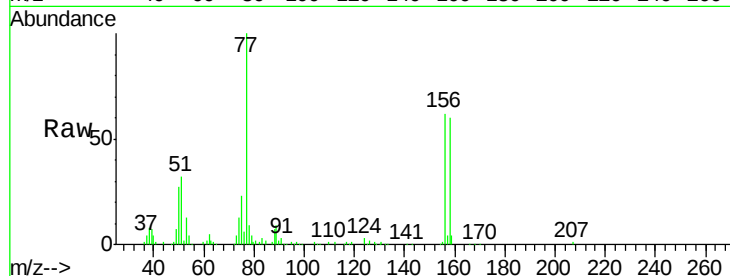
ClientSampleId :

VD0304SBS01

Tot Ion:	156	Resp:	107806
Ion Ratio	Lower	Upper	
156	100		
77	173.3	84.9	254.6
158	96.5	49.0	147.2

Manual Integrations
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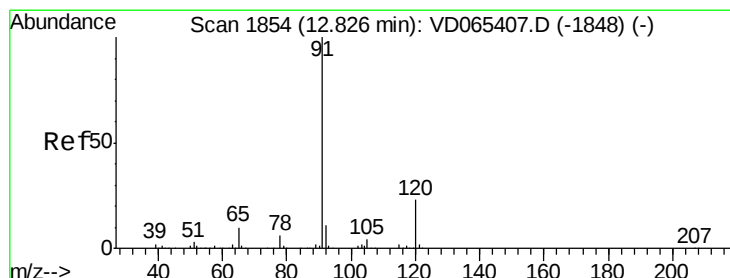
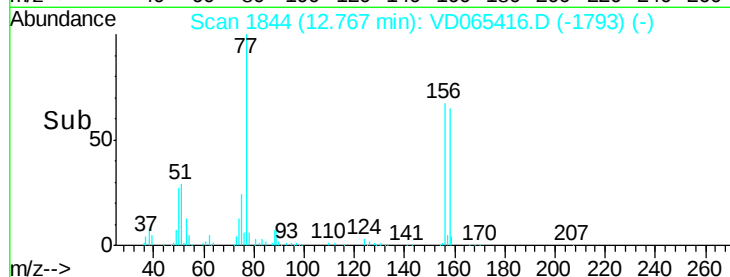
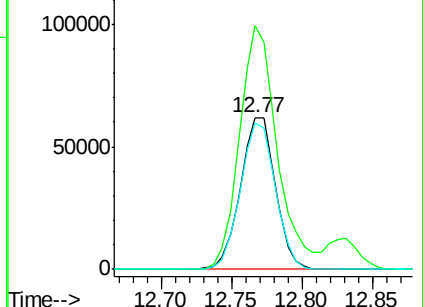
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.232 ug/l

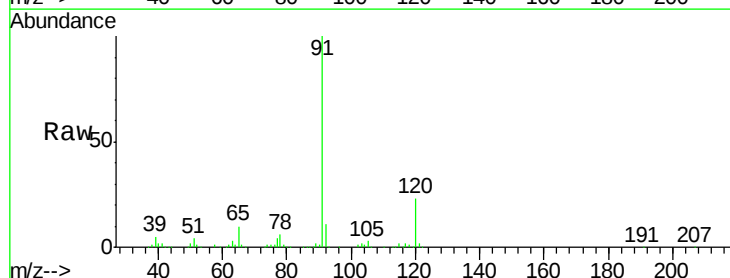
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065416.D

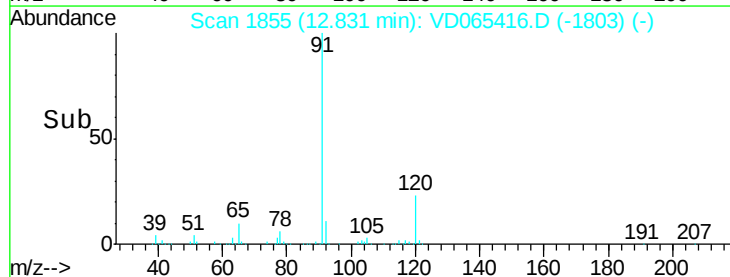
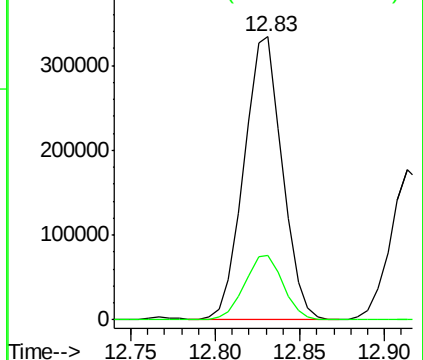
Acq: 04 Mar 2020 17:46

Tgt Ion:	91	Resp:	523914
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.9	35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





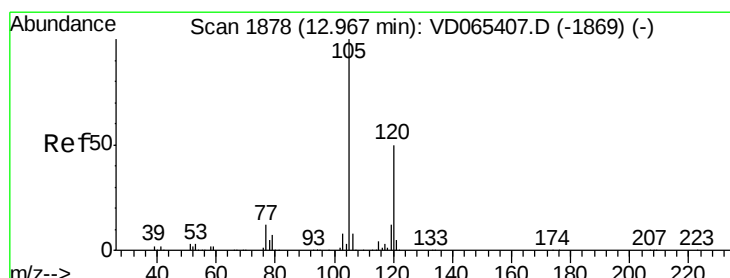
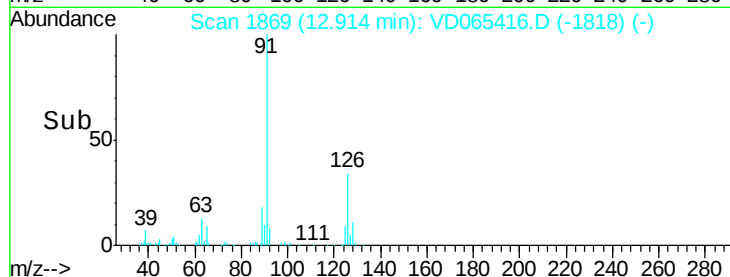
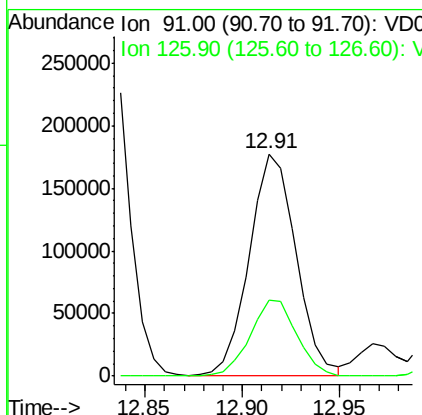
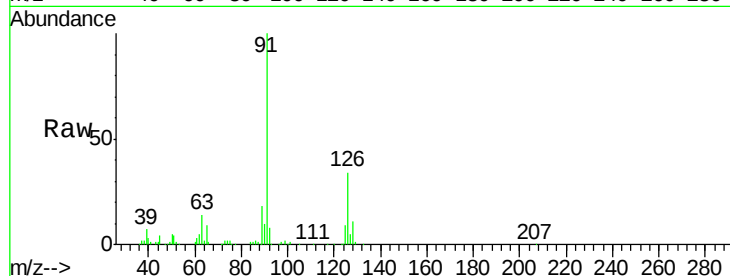
#79
 2-Chlorotoluene
 Concen: 21.102 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion: 91 Resp: 293468
 Ion Ratio Lower Upper
 91 100
 126 34.3 17.9 53.8

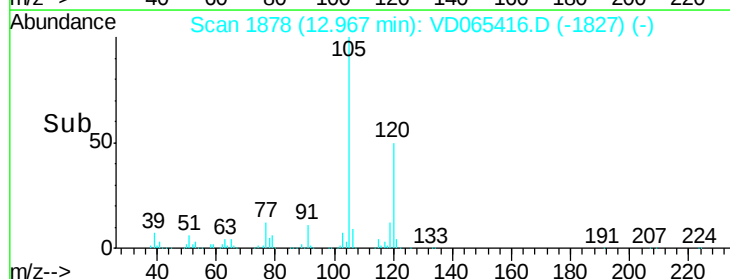
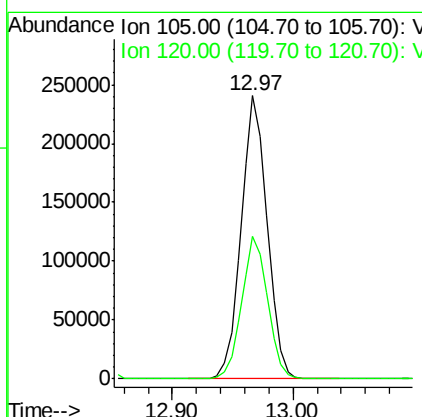
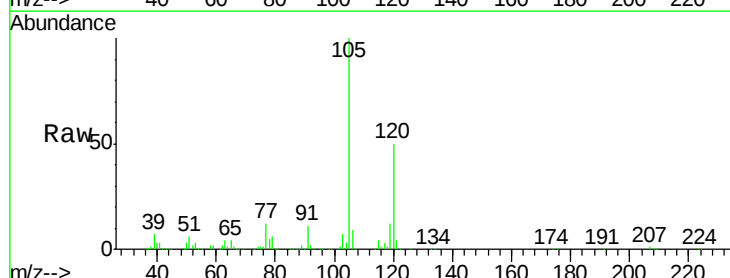
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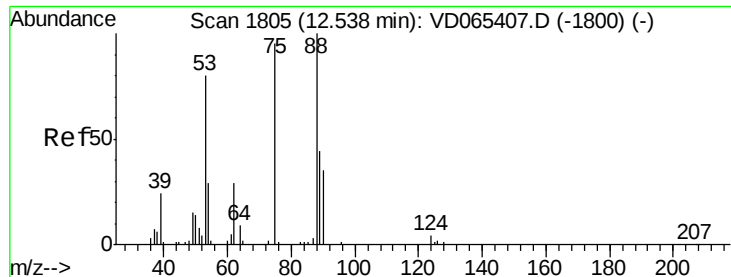
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.238 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Tgt Ion: 105 Resp: 363127
 Ion Ratio Lower Upper
 105 100
 120 50.1 25.4 76.0





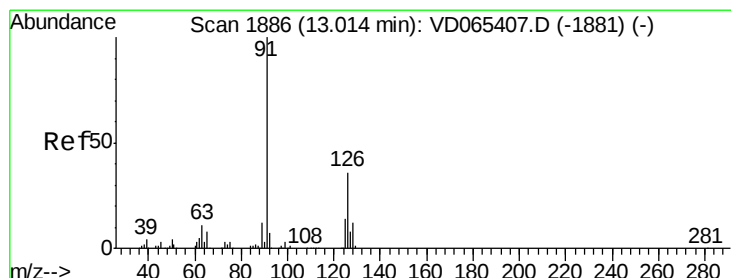
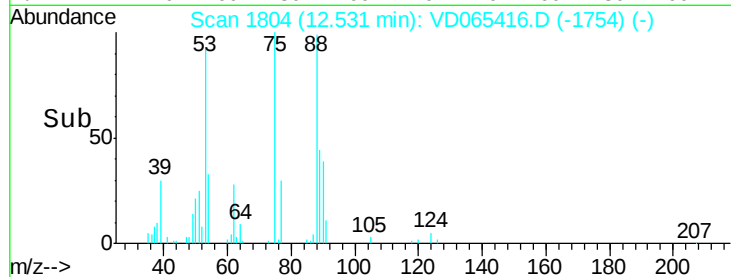
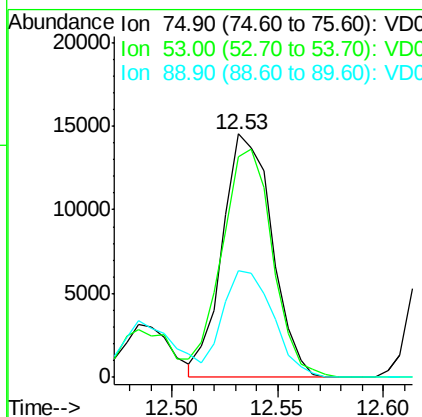
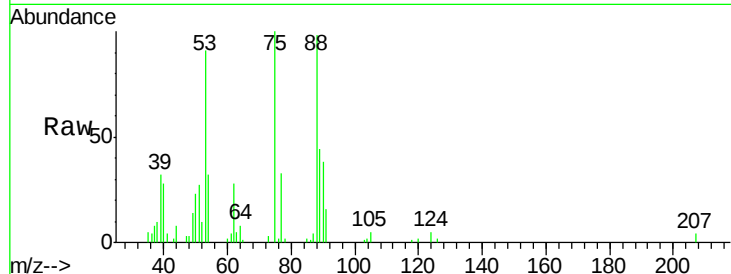
#81
trans-1,4-Dichloro-2-butene
Concen: 19.968 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.7	71.3	106.9
89	44.4	37.0	55.6

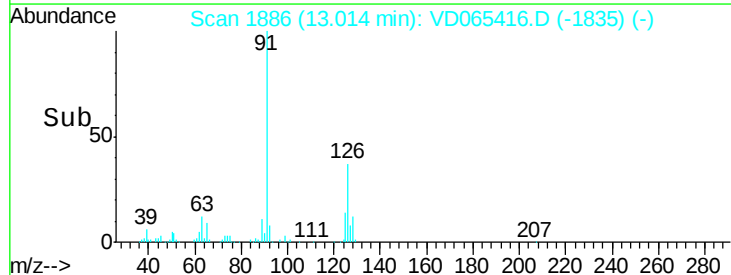
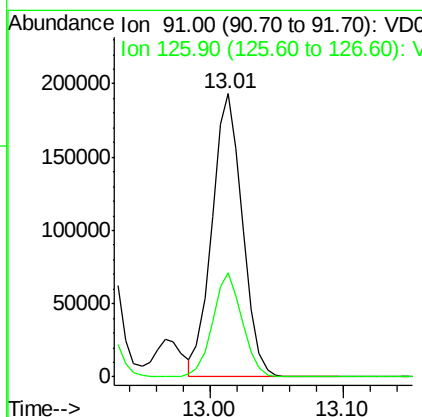
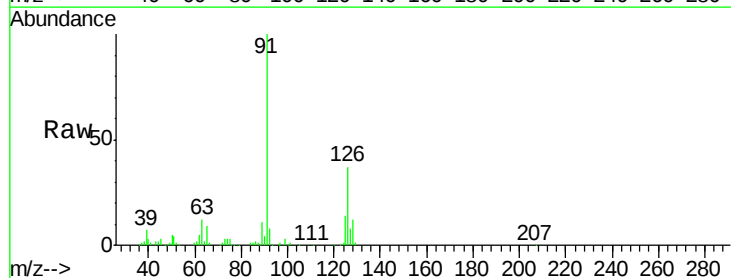
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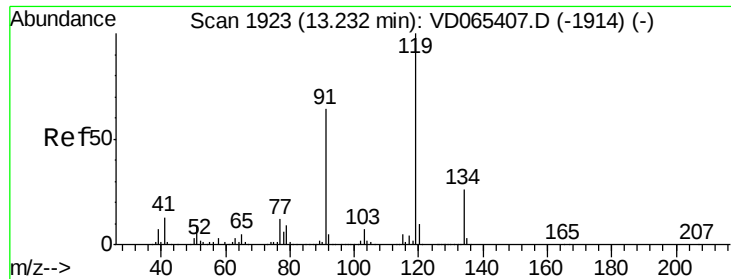
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#82
4-Chlorotoluene
Concen: 21.092 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.6	52.8





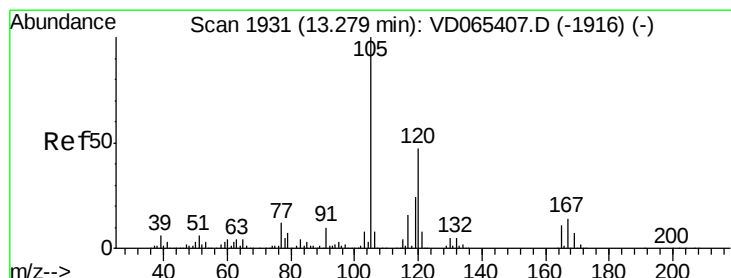
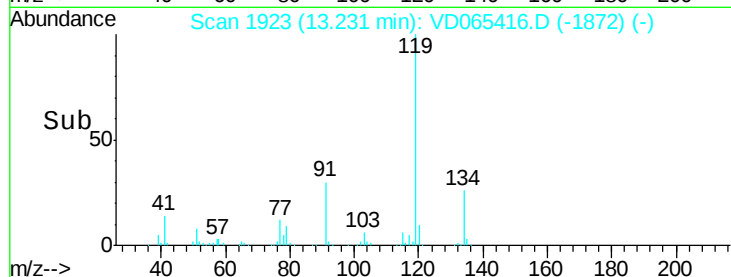
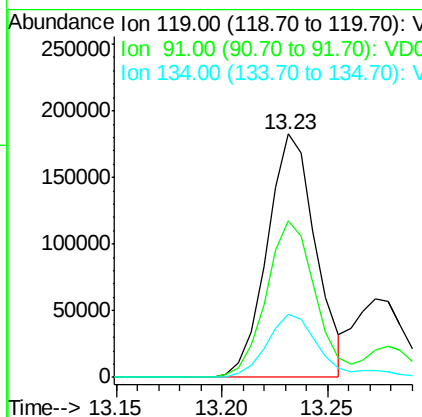
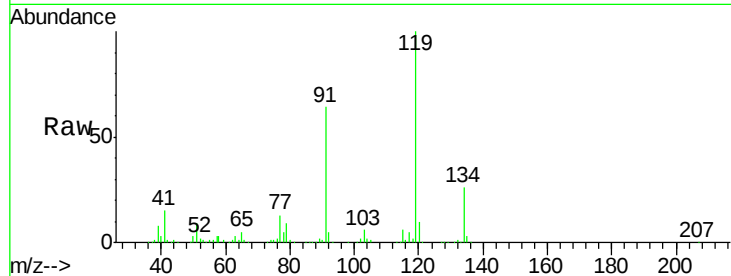
#83
tert-Butylbenzene
Concen: 20.122 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	291066		
91	65.1		31.6	95.0
134	28.9		14.2	42.8

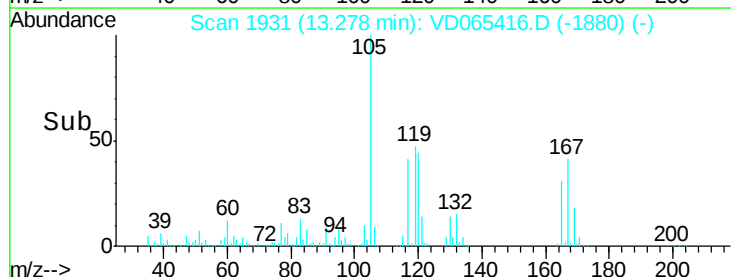
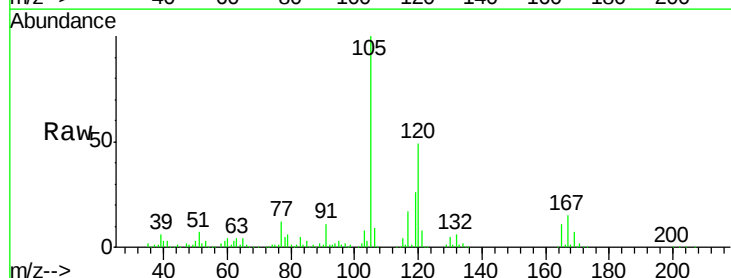
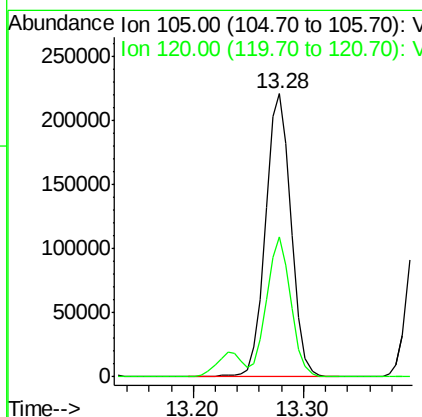
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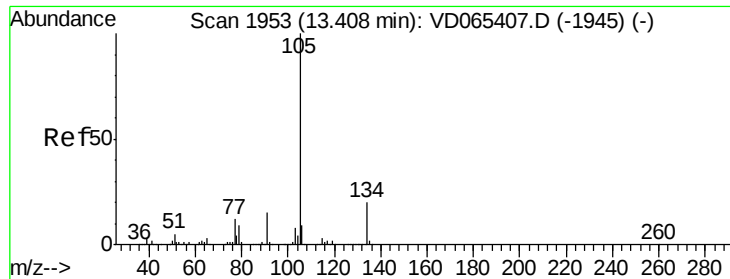
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#84
1,2,4-Trimethylbenzene
Concen: 21.223 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	357682		
120	46.9		23.4	70.3





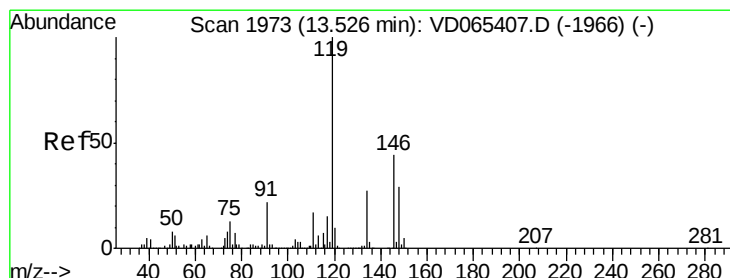
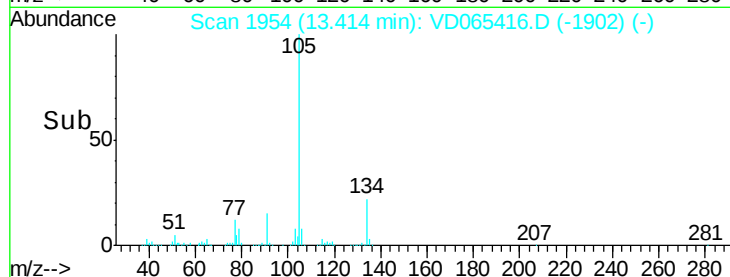
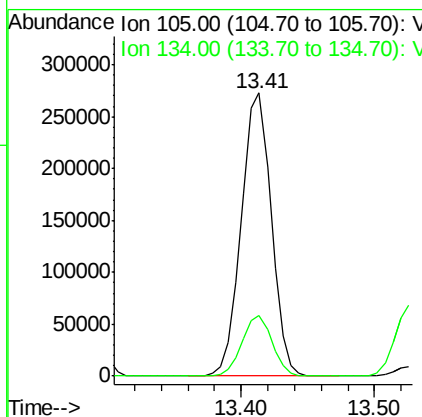
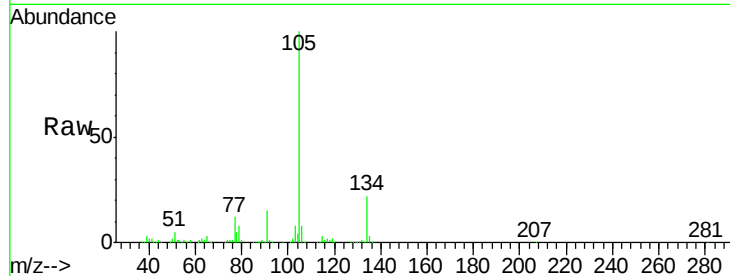
#85
 sec-Butylbenzene
 Concen: 20.503 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.5	10.3	30.9

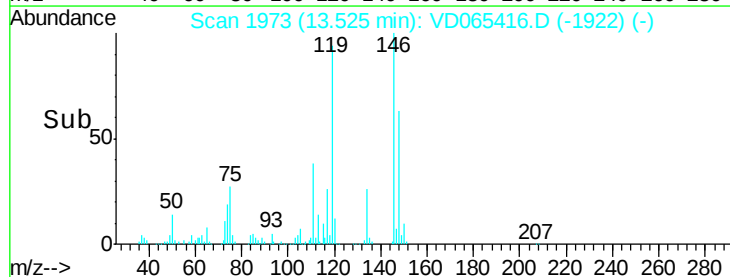
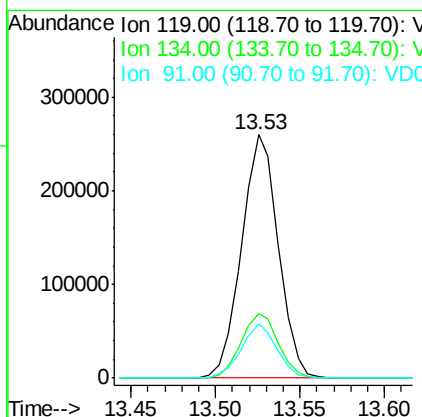
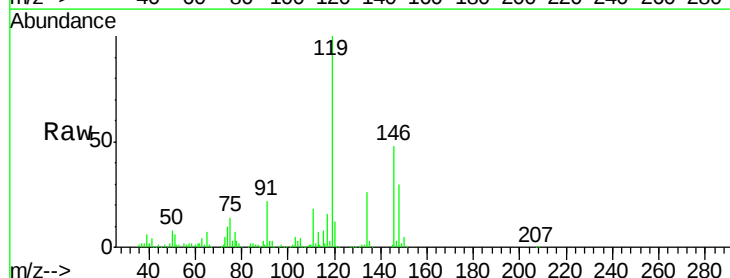
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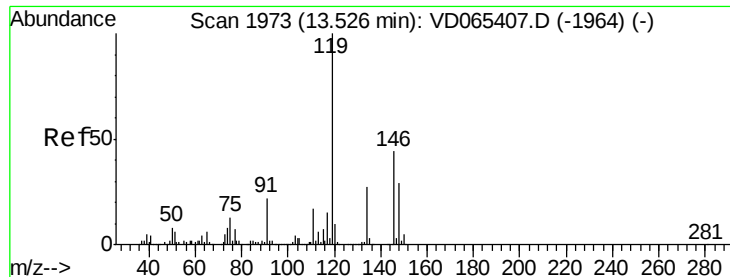
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#86
 p-Isopropyltoluene
 Concen: 20.779 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.3	39.9
91	21.4	10.9	32.6





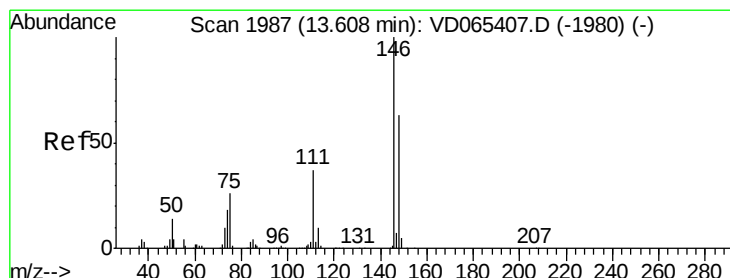
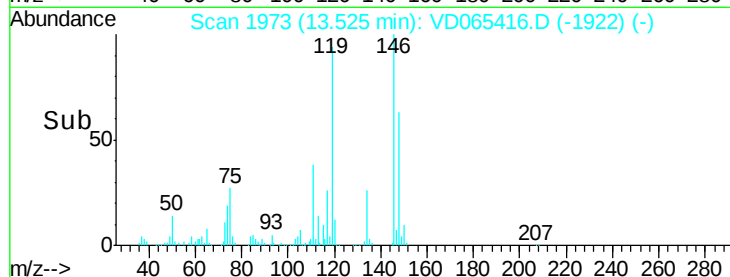
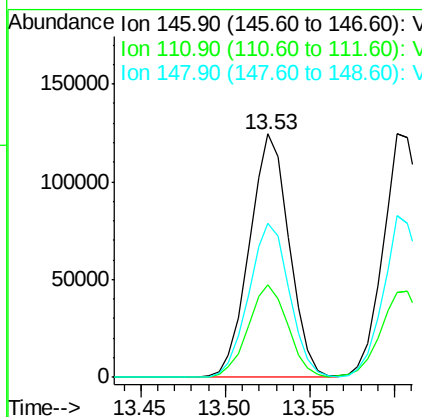
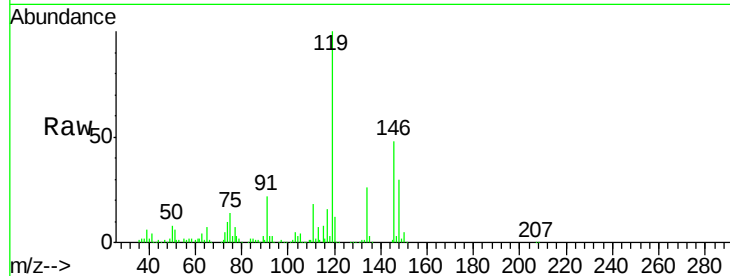
#87
1,3-Dichlorobenzene
Concen: 20.471 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.1
148	64.6	32.3	96.8

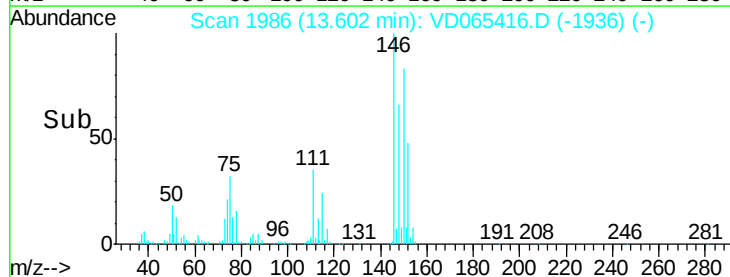
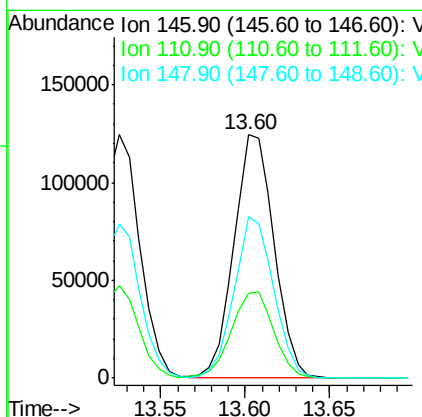
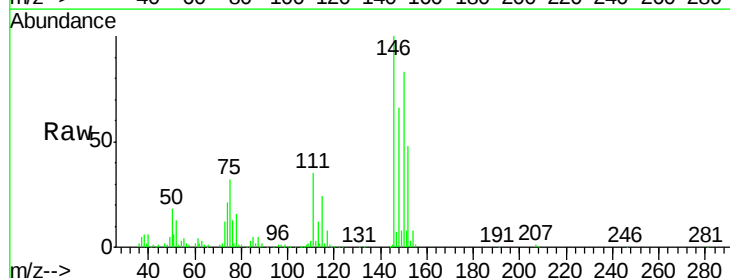
Manual Integrations
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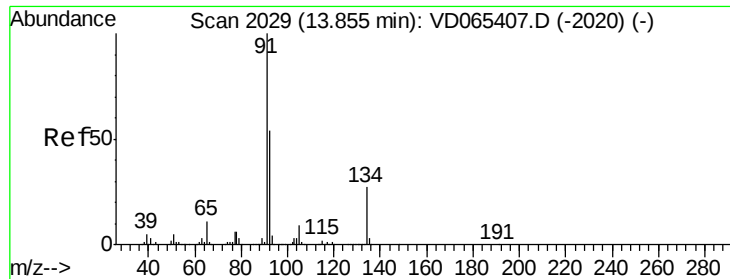
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#88
1,4-Dichlorobenzene
Concen: 20.897 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. -0.01 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.5	55.5
148	65.0	32.0	96.0





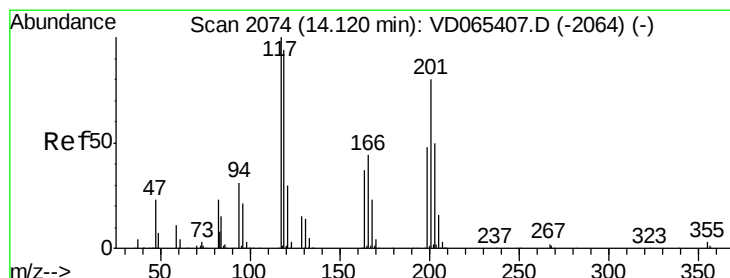
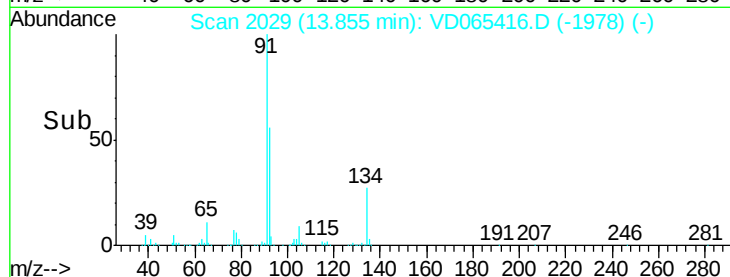
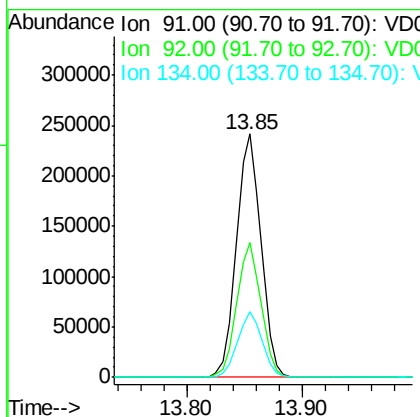
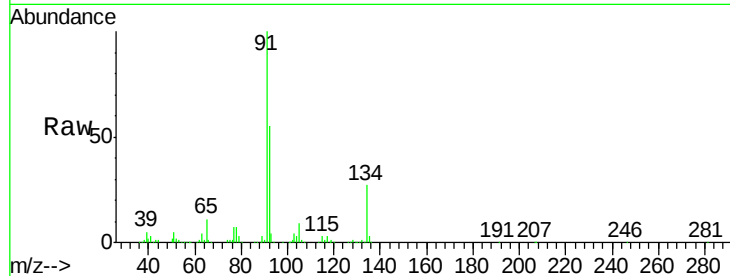
#89
n-Butylbenzene
Concen: 20.438 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.2	26.8	80.4
134	26.7	13.4	40.2

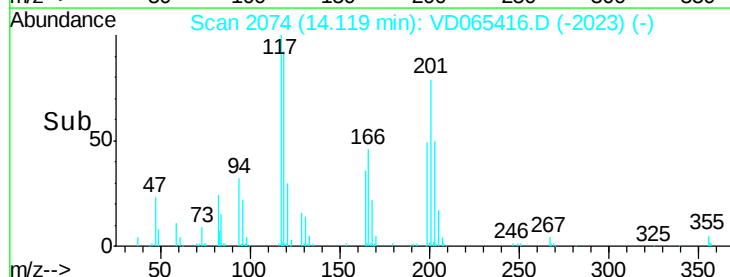
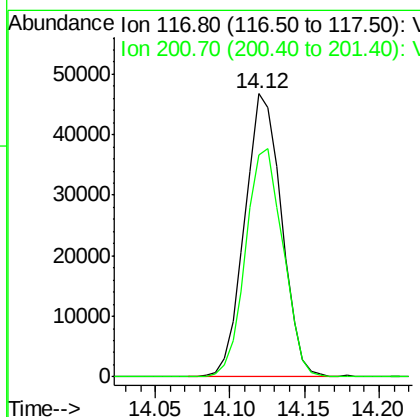
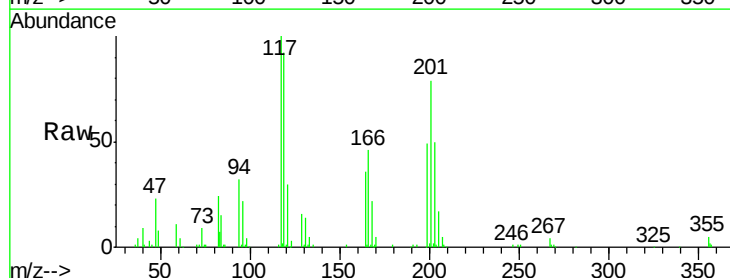
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#90
Hexachloroethane
Concen: 20.581 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	41.9	125.6





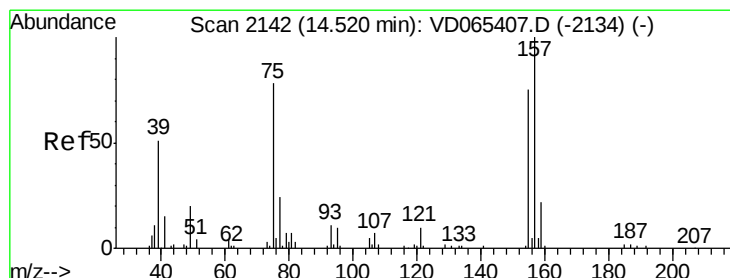
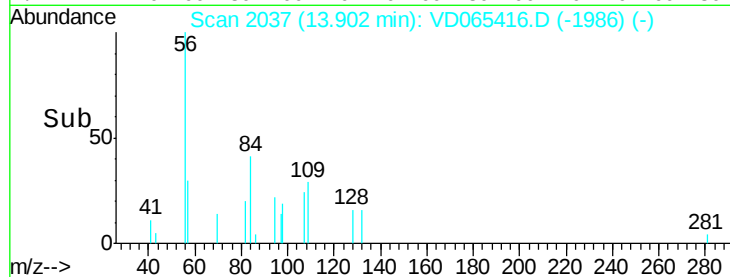
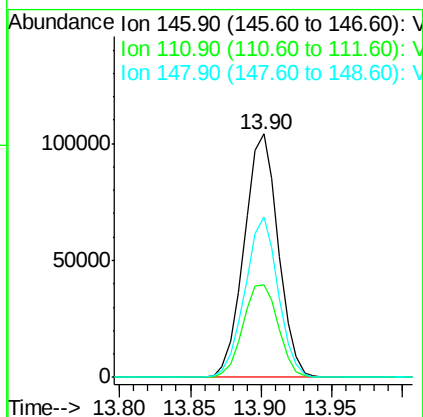
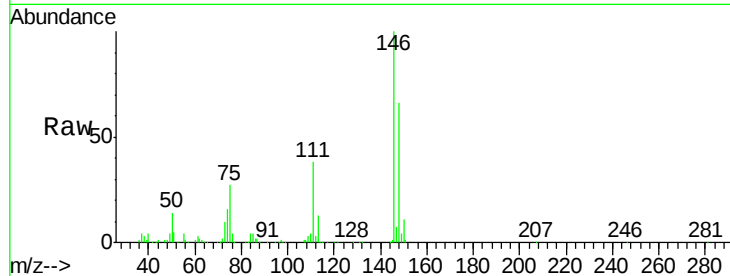
#91
 1,2-Dichlorobenzene
 Concen: 20.847 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.8	59.3
148	64.0	32.6	97.8

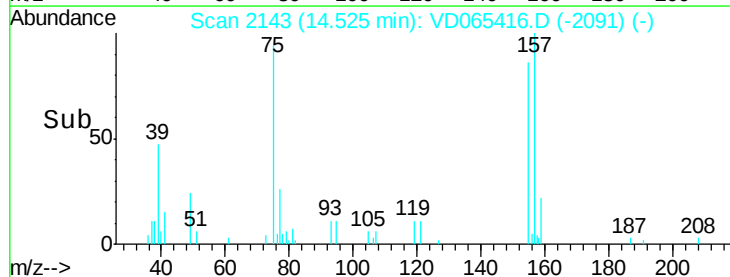
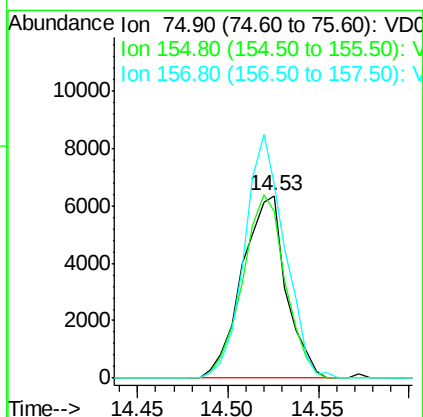
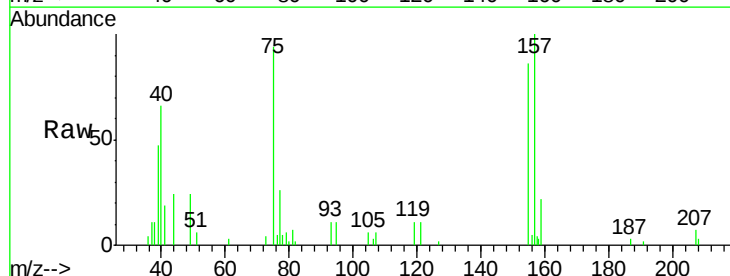
Manual Integrations
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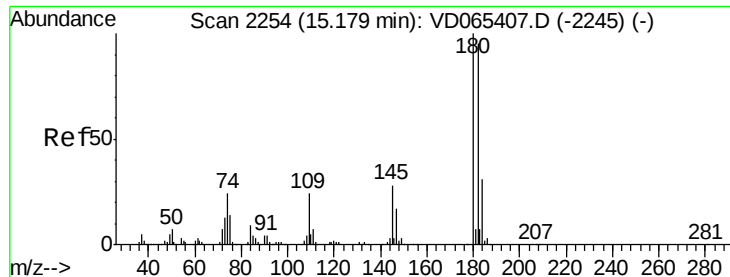
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.273 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.7	46.4	139.1
157	121.5	60.2	180.4





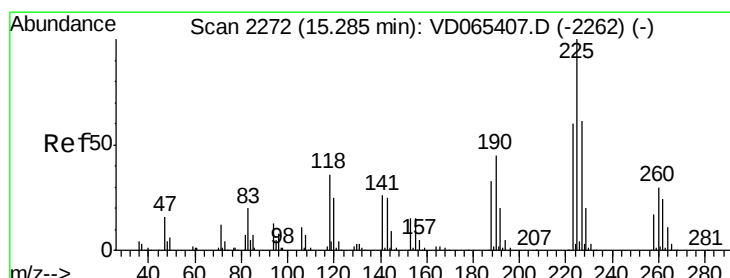
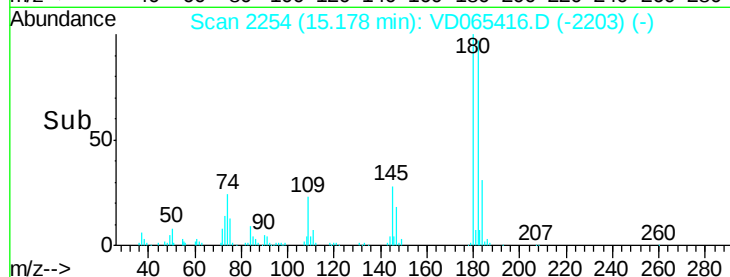
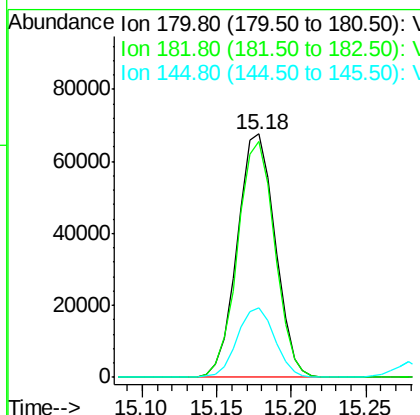
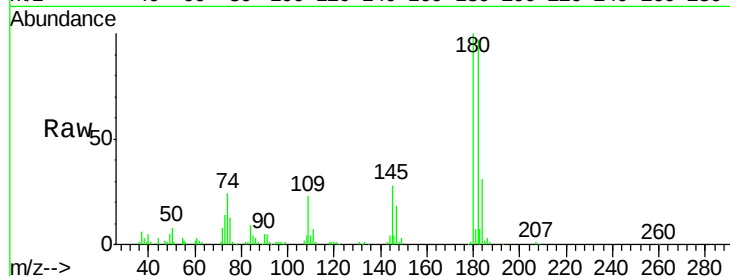
#93
 1,2,4-Trichlorobenzene
 Concen: 20.740 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	118837		
182	95.3	48.3	144.9	
145	28.4	14.4	43.4	

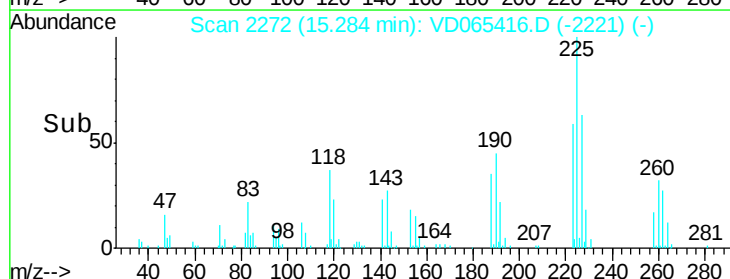
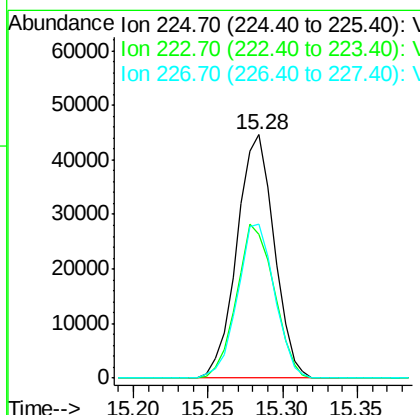
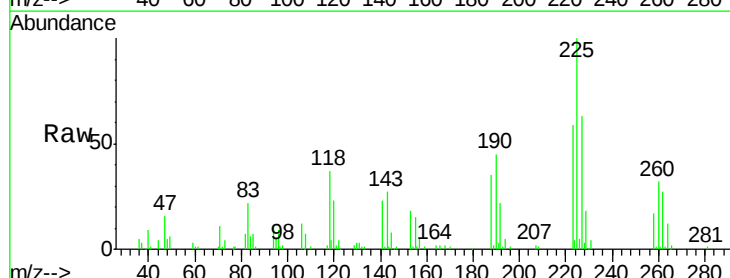
Manual Integrations
 APPROVED

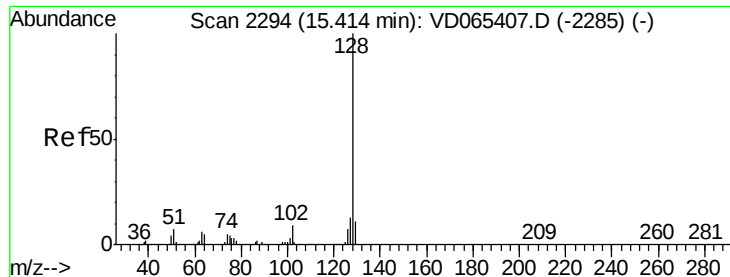
MMDadoda
 3/5/2020 1:39:08 PM



#94
 Hexachlorobutadiene
 Concen: 20.583 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VD065416.D
 Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	77492		
223	63.5	30.9	92.5	
227	62.7	31.6	94.7	





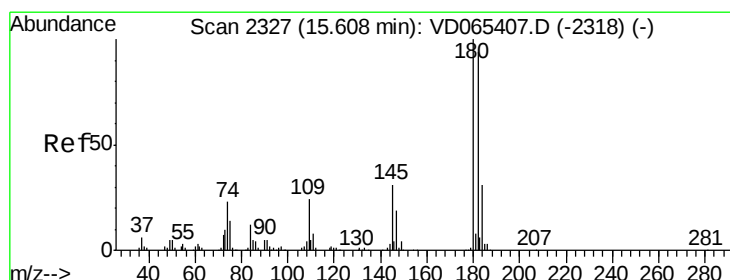
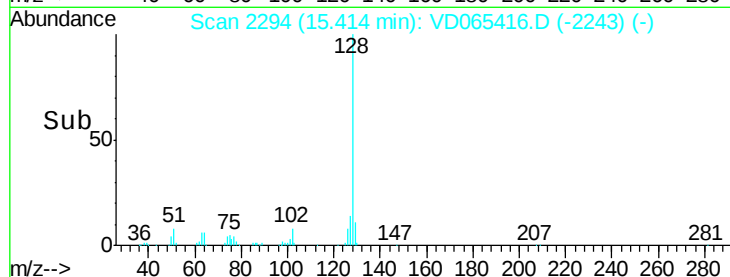
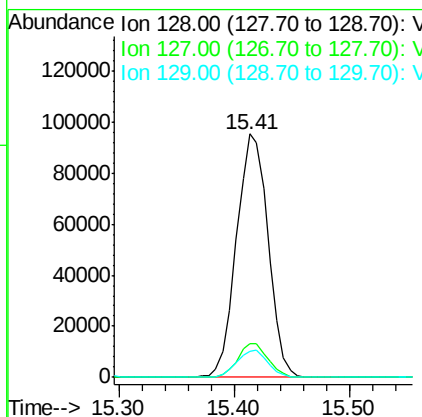
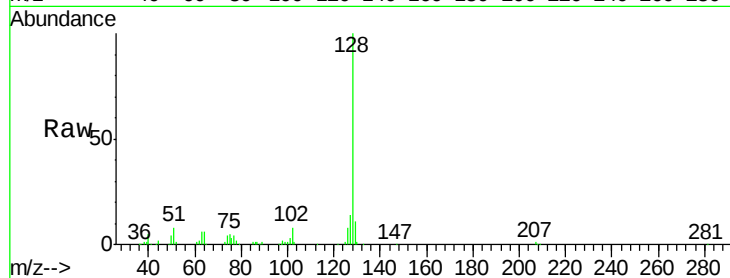
#95
Naphthalene
Concen: 20.589 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Instrument :
MSVOA_D
ClientSampleId :
VD0304SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	181222		
127	13.4	10.6	16.0	
129	11.1	8.7	13.1	

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:39:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.707 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065416.D
Acq: 04 Mar 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	102526		
182	93.8	46.9	140.6	
145	29.6	15.0	45.1	

