

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065006.D
 Acq On : 30 Jan 2020 11:55
 Operator : VA/SY
 Sample : VD0130SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Manual Integrations
 APPROVED

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 1/31/2020 4:25:42 PM

Quant Time: Jan 30 12:39:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	466042	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	693929	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	616977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298456	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	229005	51.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.46%	
35) Dibromofluoromethane	7.92	113	221035	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	862467	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.64	95	269606	52.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	71372	20.328	ug/l	97
3) Chloromethane	2.21	50	102792	19.976	ug/l	95
4) Vinyl Chloride	2.35	62	120719	20.426	ug/l	98
5) Bromomethane	2.76	94	84826	21.337	ug/l	92
6) Chloroethane	2.93	64	77743	19.953	ug/l	94
7) Trichlorofluoromethane	3.27	101	185216	20.292	ug/l	100
8) Diethyl Ether	3.71	74	42268	20.513	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90555	21.325	ug/l	99
10) Methyl Iodide	4.30	142	93263	20.690	ug/l	97
11) Tert butyl alcohol	5.24	59	24938	100.949	ug/l	99
12) 1,1-Dichloroethene	4.06	96	86196	21.247	ug/l	82
13) Acrolein	3.93	56	24675	79.678	ug/l	95
14) Allyl chloride	4.71	41	136320	21.069	ug/l	99
15) Acrylonitrile	5.44	53	92485	103.649	ug/l	98
16) Acetone	4.17	43	91359	86.203	ug/l	95
17) Carbon Disulfide	4.40	76	278656	20.871	ug/l	100
18) Methyl Acetate	4.73	43	46697	22.304	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	187807	20.719	ug/l	97
20) Methylene Chloride	4.97	84	103535	19.975	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	98876	21.155	ug/l	97
22) Diisopropyl ether	6.37	45	278649	21.610	ug/l	97
23) Vinyl Acetate	6.31	43	753923	99.862	ug/l	99
24) 1,1-Dichloroethane	6.27	63	170379	21.520	ug/l	97
25) 2-Butanone	7.23	43	119950	99.319	ug/l	95
26) 2,2-Dichloropropane	7.21	77	156184	21.749	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	106495	21.347	ug/l	99
28) Bromochloromethane	7.55	49	55256	17.452	ug/l	98
29) Tetrahydrofuran	7.57	42	75162	100.865	ug/l	98
30) Chloroform	7.71	83	173559	21.207	ug/l	99
31) Cyclohexane	7.98	56	158302	20.326	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	162130	21.295	ug/l	99
36) 1,1-Dichloropropene	8.11	75	140389	20.980	ug/l	99
37) Ethyl Acetate	7.30	43	53507	19.359	ug/l	99
38) Carbon Tetrachloride	8.10	117	144886	20.486	ug/l	94

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153968	19.681	ug/l	98
40) Benzene	8.36	78	384158	20.845	ug/l	99
41) Methacrylonitrile	7.53	41	31134	20.910	ug/l	95
42) 1,2-Dichloroethane	8.43	62	112911	20.568	ug/l	99
43) Isopropyl Acetate	8.46	43	102590	19.540	ug/l	99
44) Trichloroethene	9.11	130	106220	20.594	ug/l	98
45) 1,2-Dichloropropane	9.39	63	94444	21.139	ug/l	94
46) Dibromomethane	9.48	93	49480	20.286	ug/l	99
47) Bromodichloromethane	9.67	83	134899	21.254	ug/l	100
48) Methyl methacrylate	9.46	41	50636	20.958	ug/l	97
49) 1,4-Dioxane	9.46	88	11650	411.824	ug/l #	95
51) 4-Methyl-2-Pentanone	10.23	43	257387	97.977	ug/l	98
52) Toluene	10.41	92	245202	20.637	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	126254	20.883	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	145737	20.589	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	64811	19.726	ug/l	96
56) Ethyl methacrylate	10.67	69	79108	20.135	ug/l	98
57) 1,3-Dichloropropane	10.95	76	117975	20.935	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	125229	95.940	ug/l	100
59) 2-Hexanone	10.99	43	177951	98.205	ug/l	99
60) Dibromochloromethane	11.14	129	88752	20.211	ug/l	97
61) 1,2-Dibromoethane	11.25	107	63532	20.082	ug/l	100
64) Tetrachloroethene	10.88	164	93389	20.946	ug/l	97
65) Chlorobenzene	11.67	112	256606	20.484	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	96823	20.552	ug/l	99
67) Ethyl Benzene	11.75	91	455897	20.499	ug/l	97
68) m/p-Xylenes	11.86	106	351532	41.054	ug/l	99
69) o-Xylene	12.18	106	154793	20.369	ug/l	100
70) Styrene	12.20	104	276871	20.452	ug/l	98
71) Bromoform	12.37	173	52652	20.105	ug/l	99
73) Isopropylbenzene	12.48	105	426498	20.908	ug/l	100
74) N-amyl acetate	12.30	43	90052	19.728	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70317	20.509	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	58296m	23.533	ug/l	
77) Bromobenzene	12.77	156	104127	20.862	ug/l	99
78) n-propylbenzene	12.83	91	512390	21.121	ug/l	99
79) 2-Chlorotoluene	12.91	91	280956	21.111	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	349717	20.920	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	21959	18.928	ug/l	94
82) 4-Chlorotoluene	13.01	91	295281	20.922	ug/l	100
83) tert-Butylbenzene	13.23	119	293943	20.720	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	355140	20.971	ug/l	100
85) sec-Butylbenzene	13.41	105	415021	20.661	ug/l	98
86) p-Isopropyltoluene	13.53	119	384566	20.460	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	196929	20.564	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	201180	21.166	ug/l	100
89) n-Butylbenzene	13.86	91	355800	20.742	ug/l	100
90) Hexachloroethane	14.12	117	74247	20.483	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	166748	20.510	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10792	19.669	ug/l	91

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

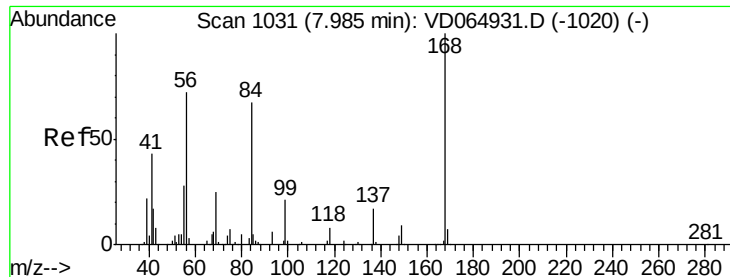
Manual Integrations
APPROVED

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1/31/2020 4:25:42 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	113818	20.236	ug/l	98
94) Hexachlorobutadiene	15.28	225	70338	19.771	ug/l	98
95) Naphthalene	15.41	128	178297	19.642	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	100273	20.561	ug/l	98

(#) = 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: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion:168 Resp: 466042

Ion Ratio Lower Upper

168 100

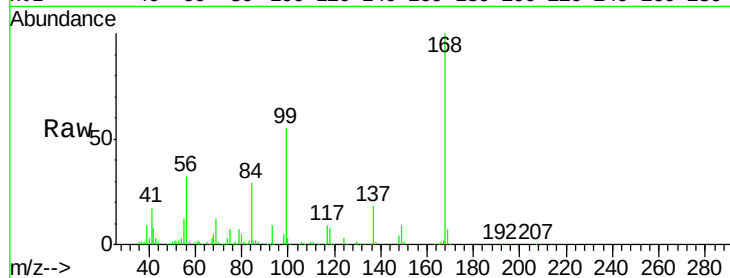
99 54.6 43.3 64.9

Manual Integrations

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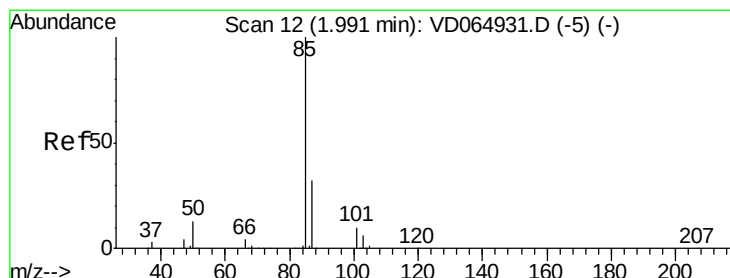
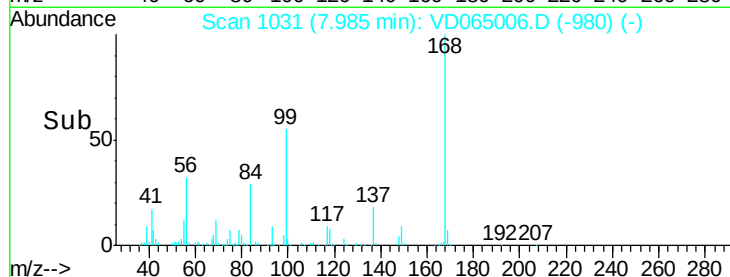
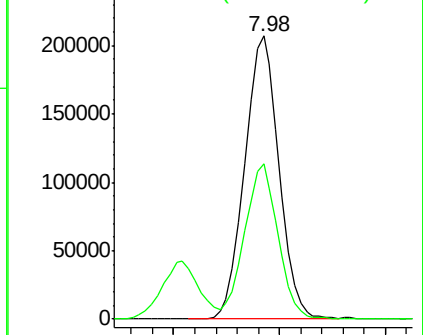
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.328 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065006.D

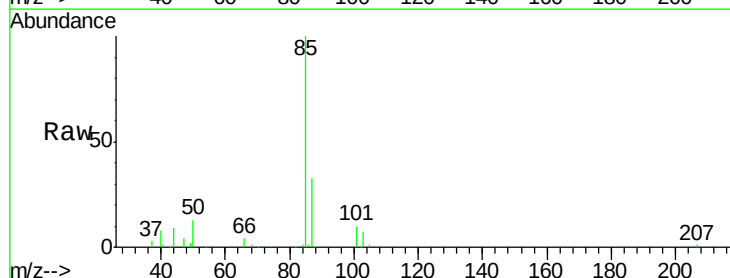
Acq: 30 Jan 2020 11:55

Tgt Ion: 85 Resp: 71372

Ion Ratio Lower Upper

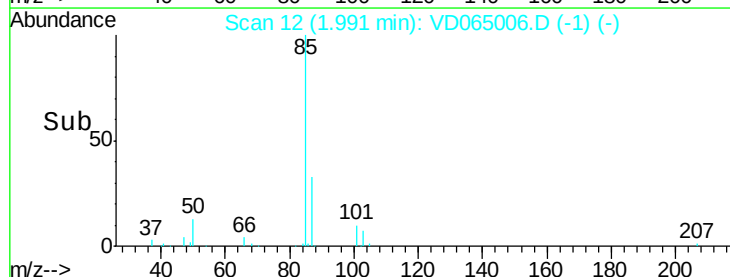
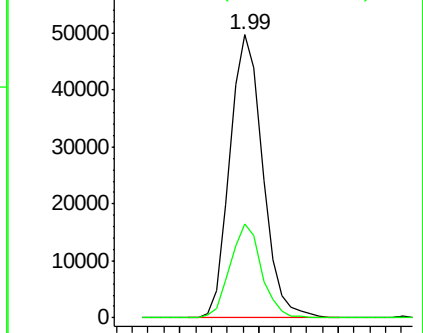
85 100

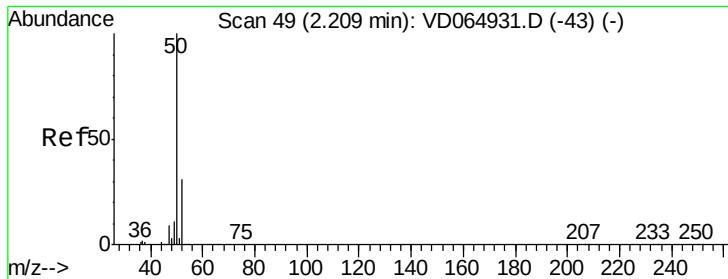
87 33.4 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.976 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

Tot Ion: 50 Resp: 102792

Ion Ratio Lower Upper

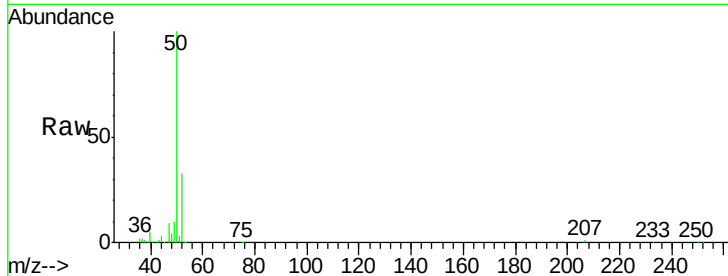
50 100

52 33.3 24.6 36.8

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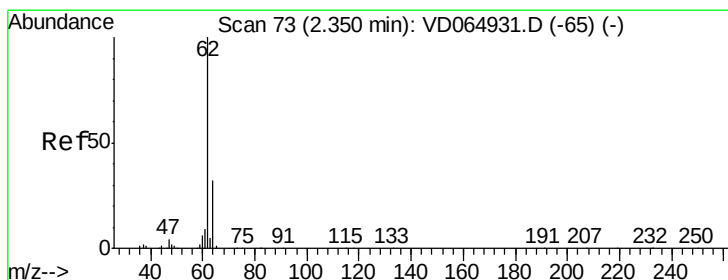
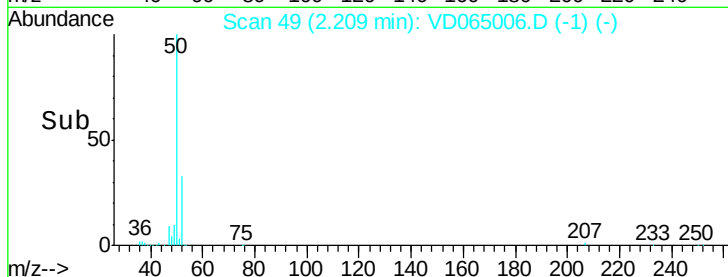
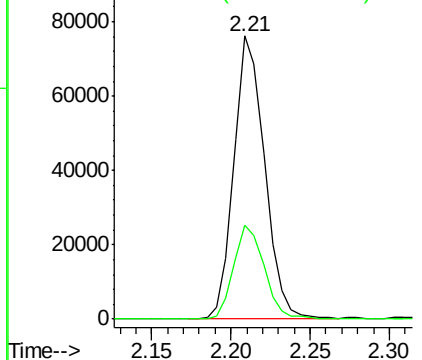
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.426 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065006.D

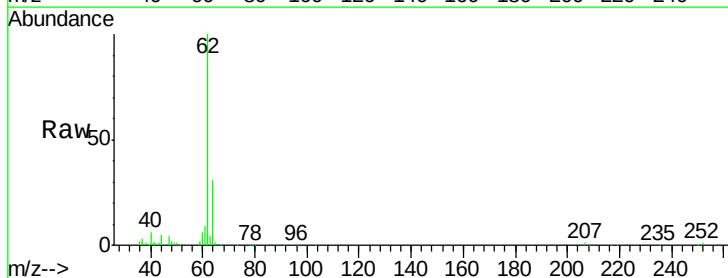
Acq: 30 Jan 2020 11:55

Tgt Ion: 62 Resp: 120719

Ion Ratio Lower Upper

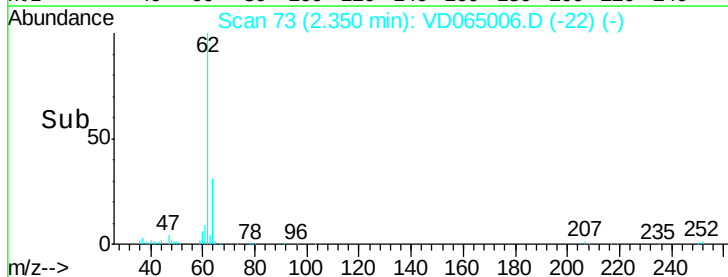
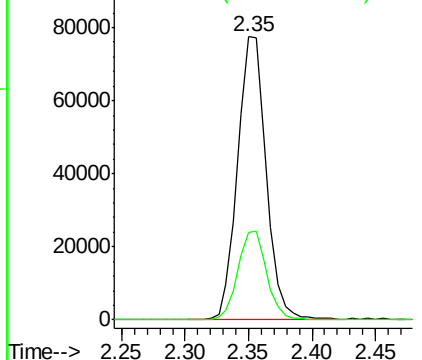
62 100

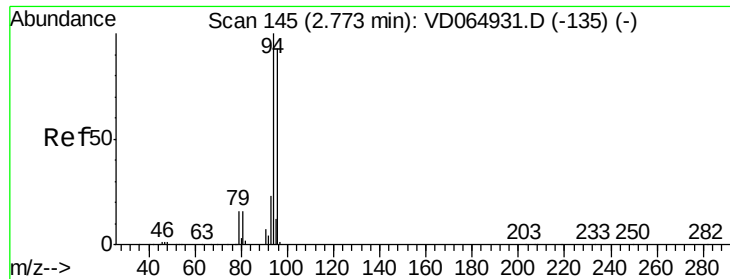
64 31.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.337 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

Tot Ion: 94 Resp: 84826

Ion Ratio Lower Upper

94 100

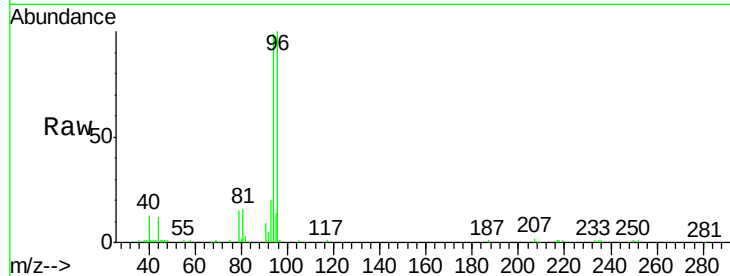
96 100.5 74.6 111.8

Manual Integrations

APPROVED

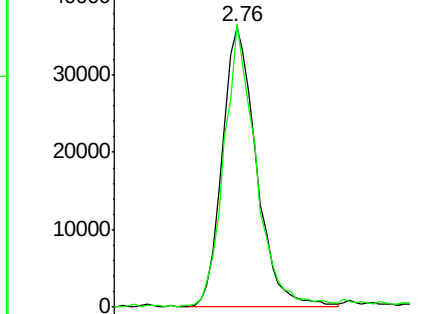
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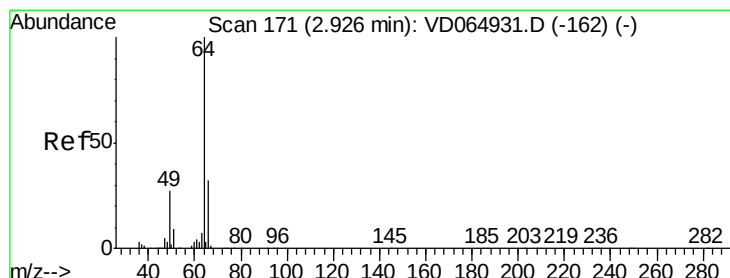
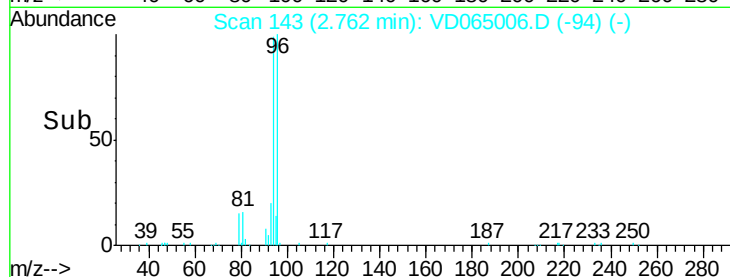


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 19.953 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065006.D

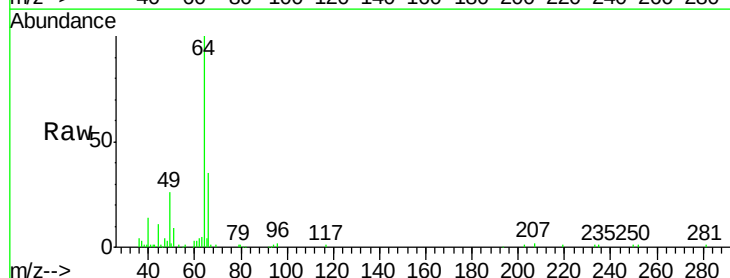
Acq: 30 Jan 2020 11:55

Tgt Ion: 64 Resp: 77743

Ion Ratio Lower Upper

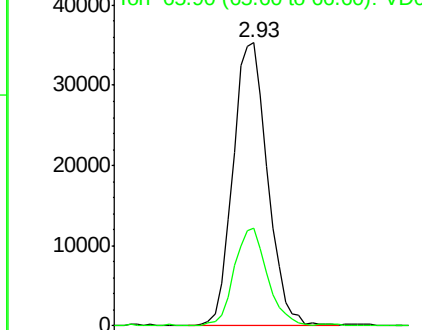
64 100

66 34.7 25.3 37.9

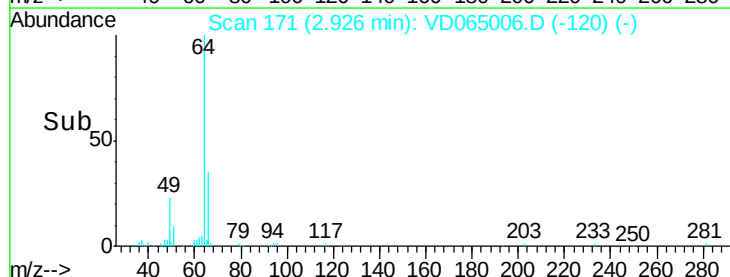


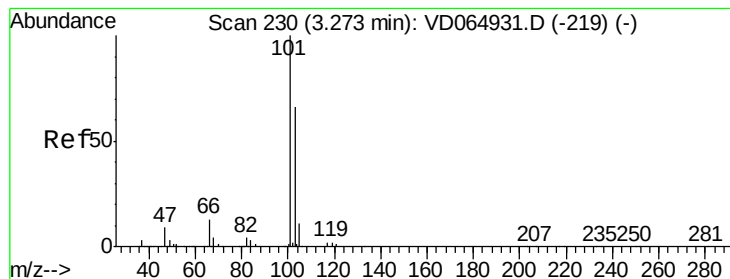
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

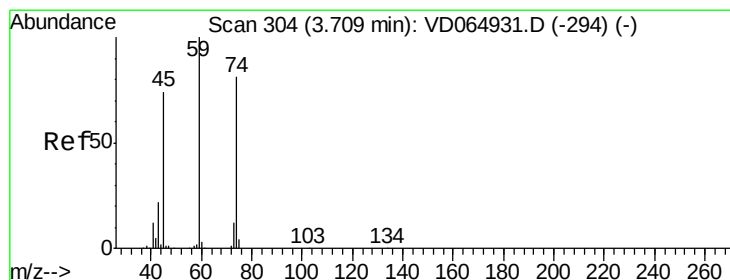
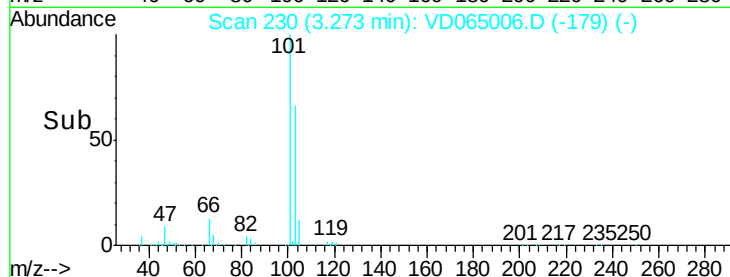
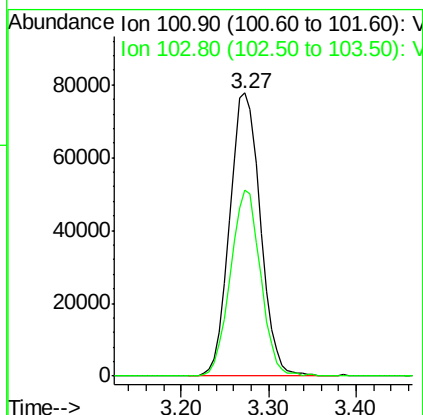
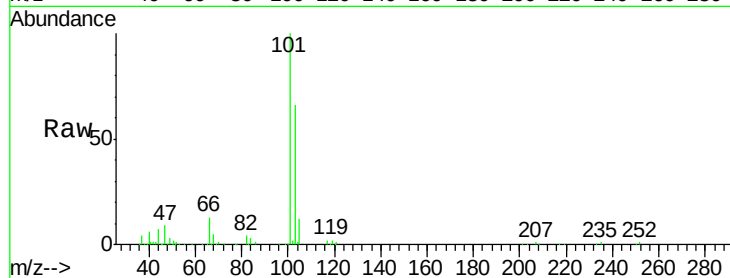
Trichlorofluoromethane
 Concen: 20.292 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
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 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	52.5	78.7

Manual Integrations
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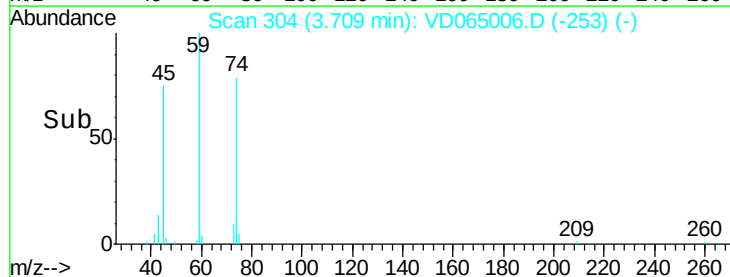
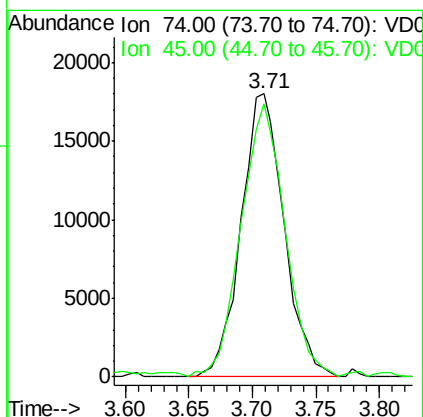
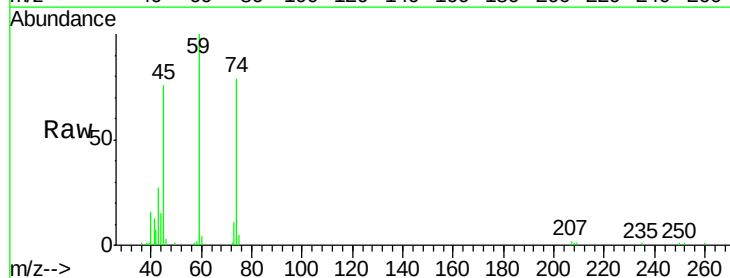
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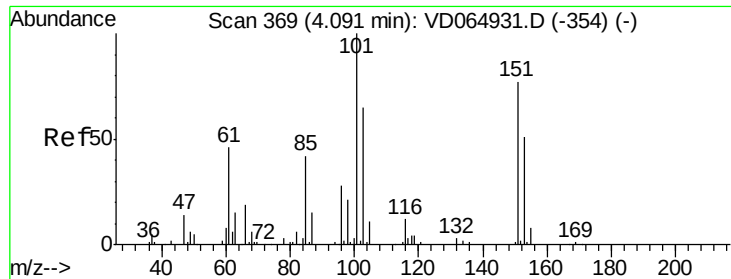


#8

Diethyl Ether
 Concen: 20.513 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.9	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.325 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

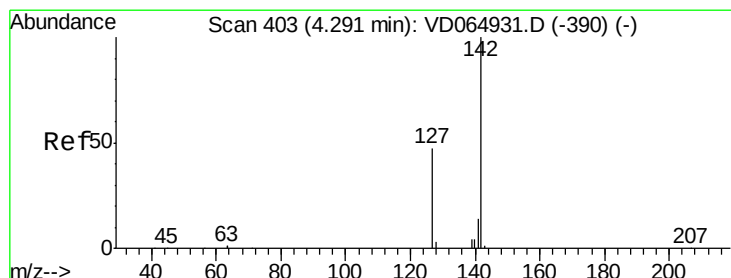
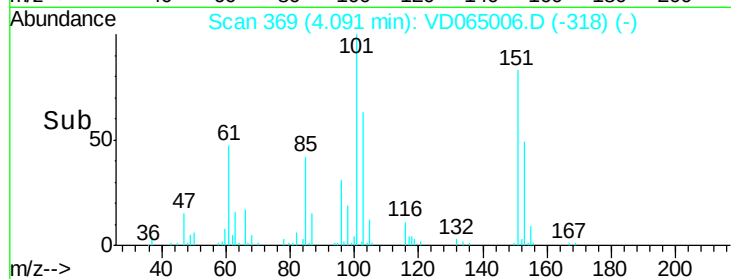
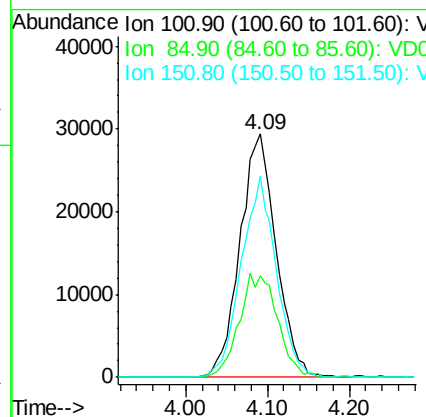
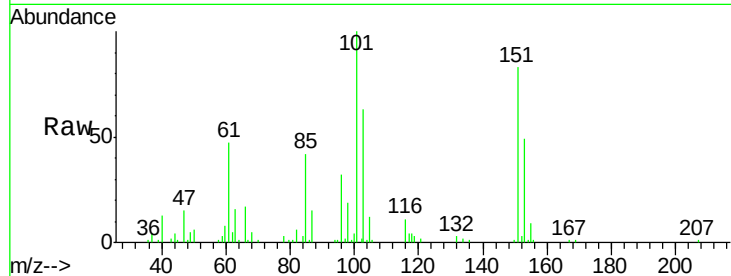
ClientSampleId :

VD0130SBS01

Tot Ion:	101	Resp:	90555
Ion Ratio	Lower	Upper	
101	100		
85	44.9	35.0	52.4
151	79.7	64.6	96.8

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#10

Methyl Iodide

Concen: 20.690 ug/l

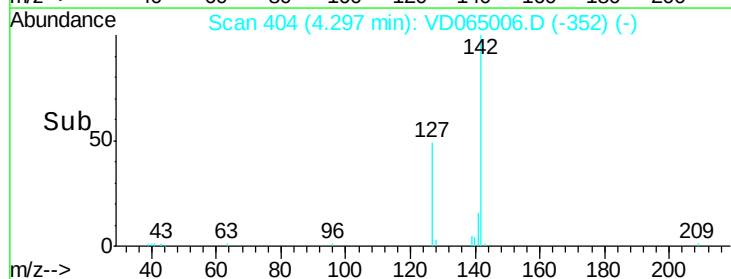
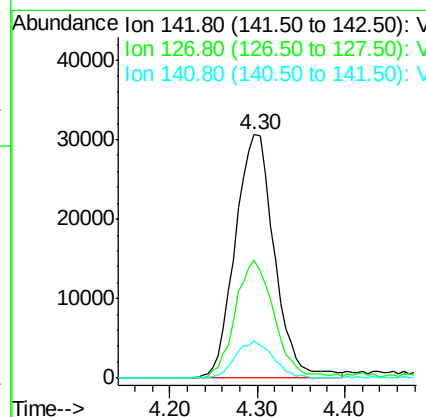
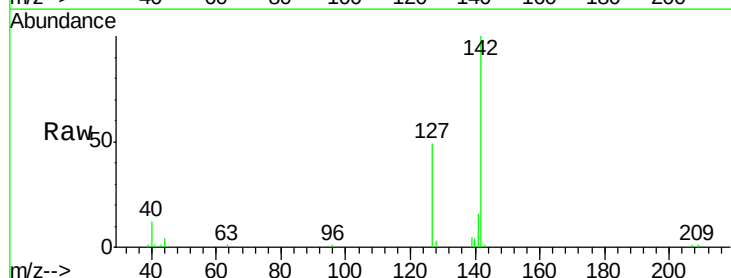
RT: 4.30 min Scan# 404

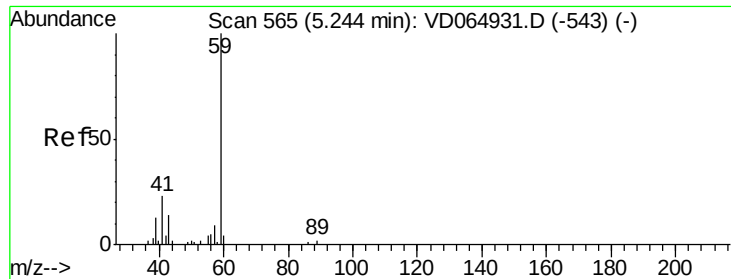
Delta R.T. 0.01 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Tgt Ion:	142	Resp:	93263
Ion Ratio	Lower	Upper	
142	100		
127	48.0	36.2	54.2
141	14.7	11.6	17.4





#11

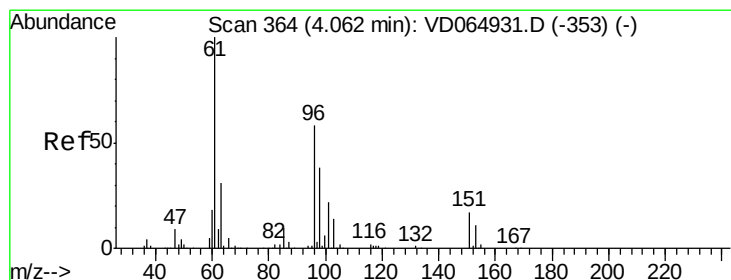
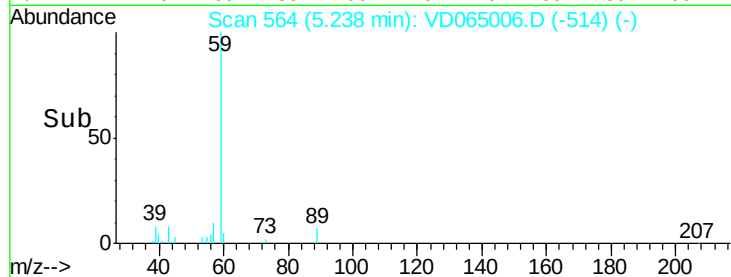
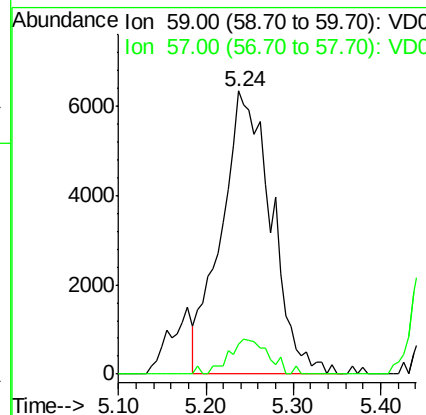
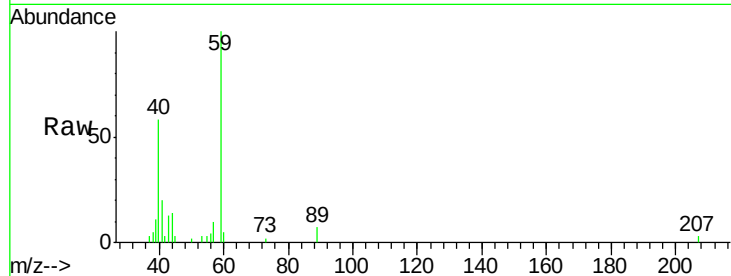
Tert butyl alcohol
 Concen: 100.949 ug/l
 RT: 5.24 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	7.7	11.5

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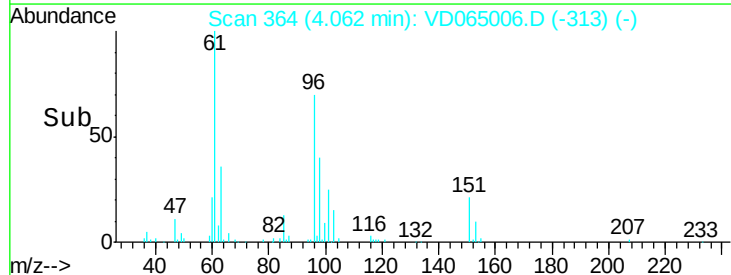
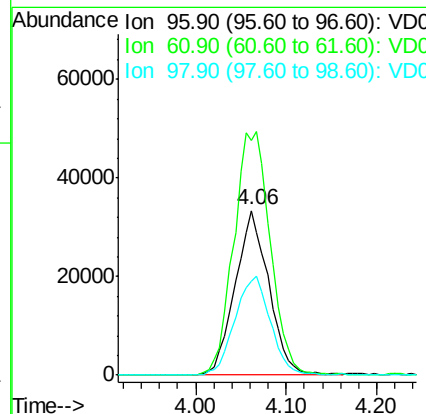
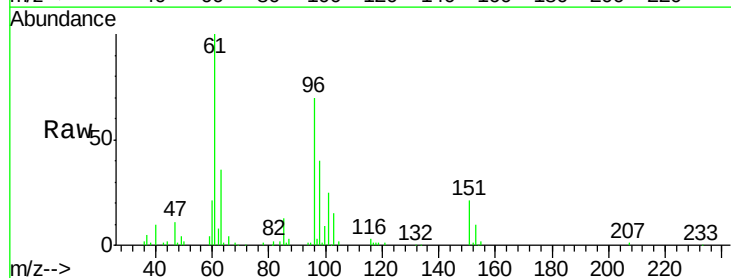
MMDadoda
 1/31/2020 4:25:42 PM

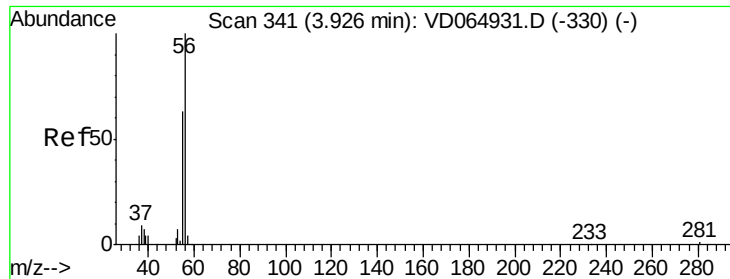


#12

1,1-Dichloroethene
 Concen: 21.247 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.3	137.0	205.4
98	57.2	52.1	78.1





#13

Acrolein

Concen: 79.678 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 56 Resp: 24675

Ion Ratio Lower Upper

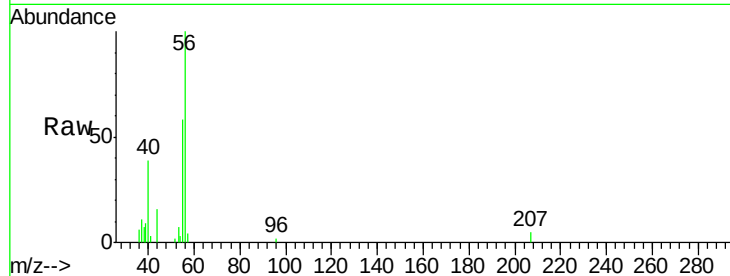
56 100

55 69.9 59.7 89.5

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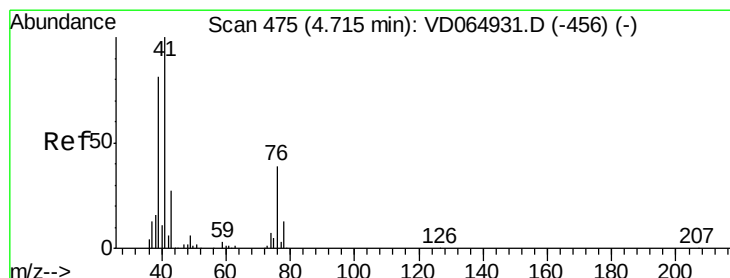
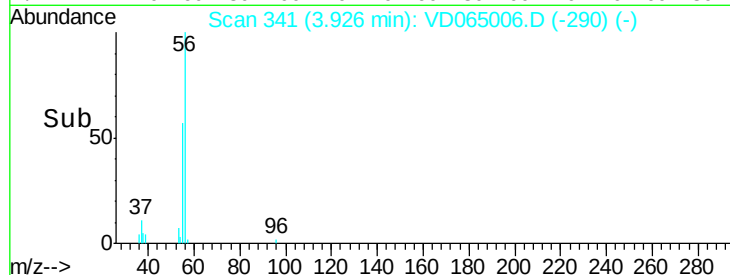
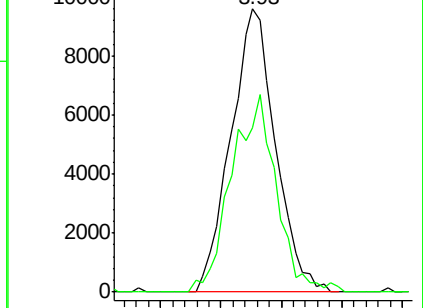
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.069 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

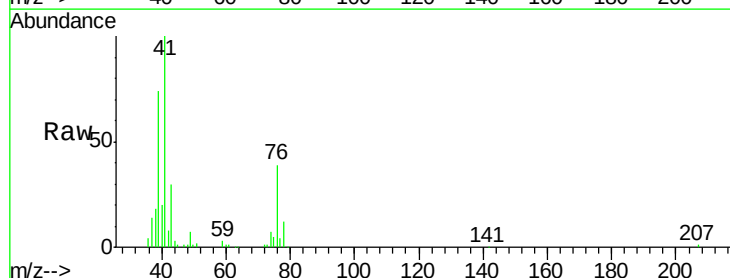
Tgt Ion: 41 Resp: 136320

Ion Ratio Lower Upper

41 100

39 77.1 62.0 93.0

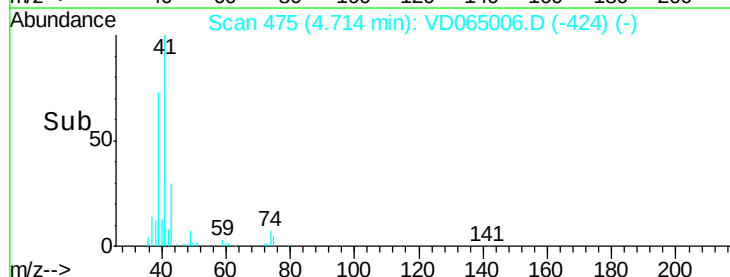
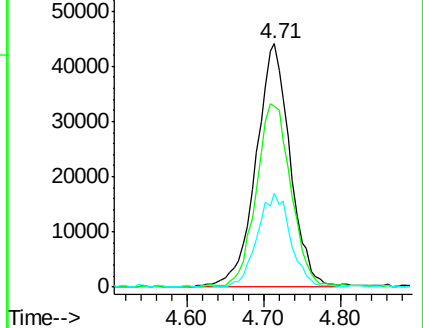
76 37.5 29.3 43.9

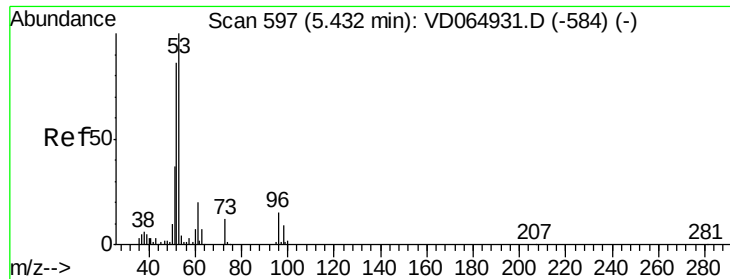


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 103.649 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

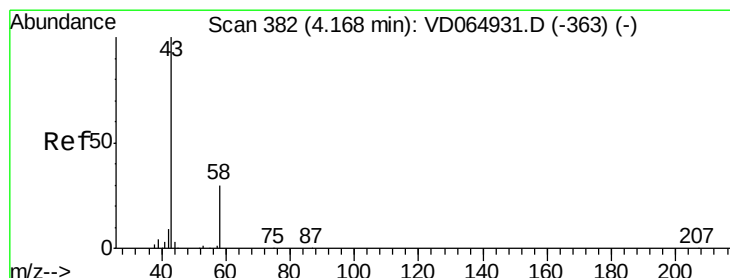
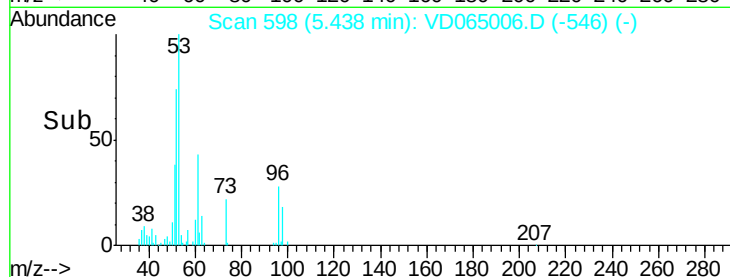
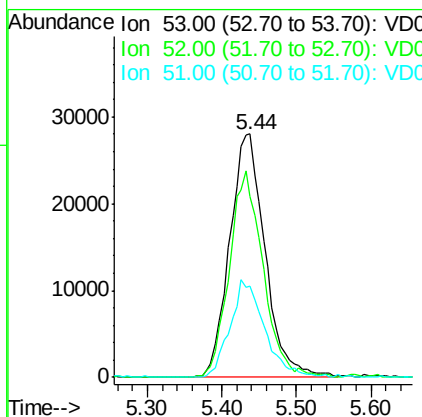
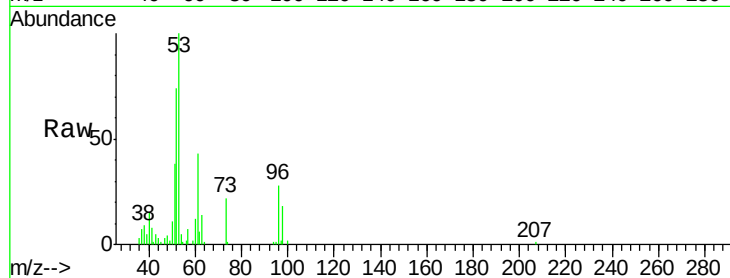
ClientSampleId :

VD0130SBS01

Tot Ion:	53	Resp:	92485
Ion Ratio	Lower	Upper	
53	100		
52	80.8	66.7	100.1
51	38.9	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 86.203 ug/l

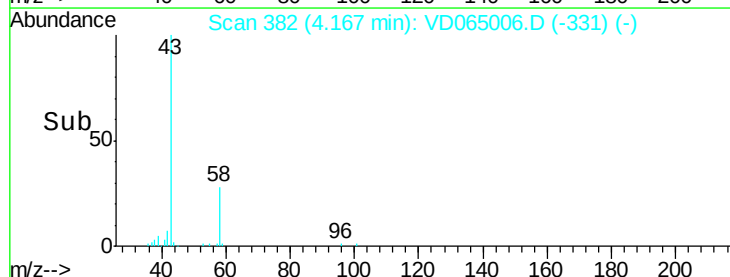
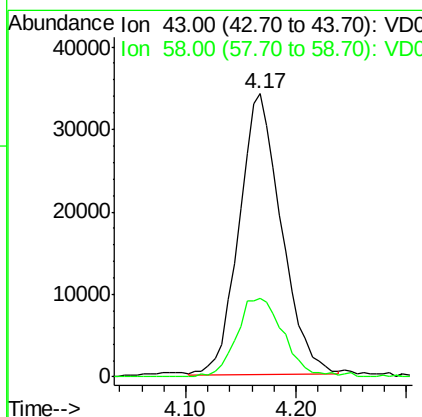
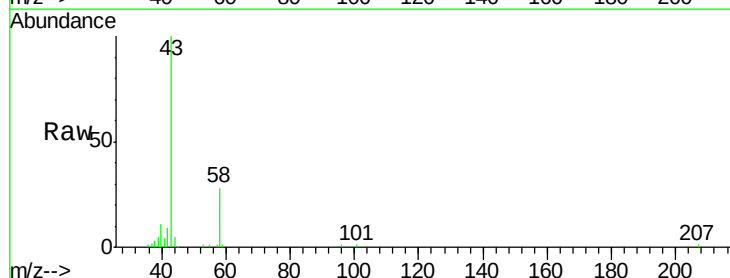
RT: 4.17 min Scan# 382

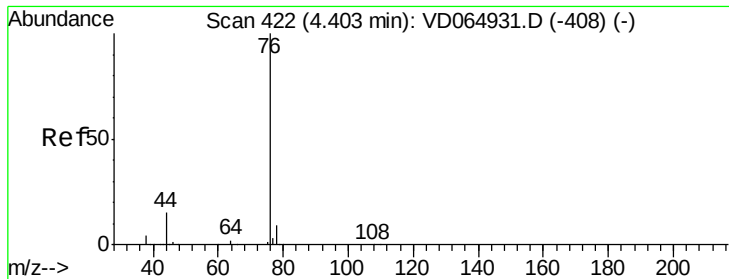
Delta R.T. 0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Tgt Ion:	43	Resp:	91359
Ion Ratio	Lower	Upper	
43	100		
58	27.3	23.8	35.8





#17

Carbon Disulfide

Concen: 20.871 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 76 Resp: 278656

Ion Ratio Lower Upper

76 100

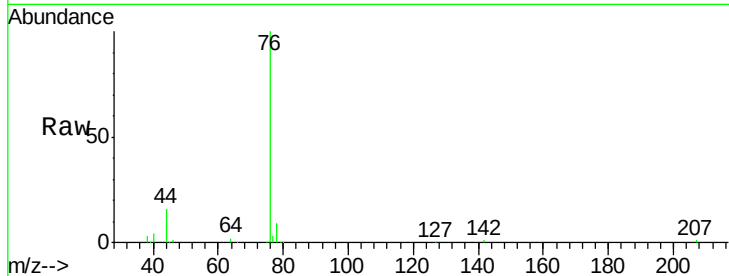
78 8.7 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

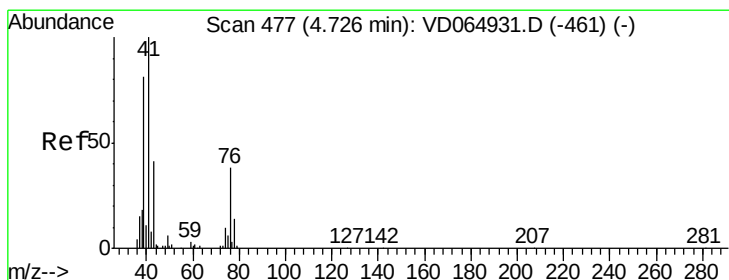
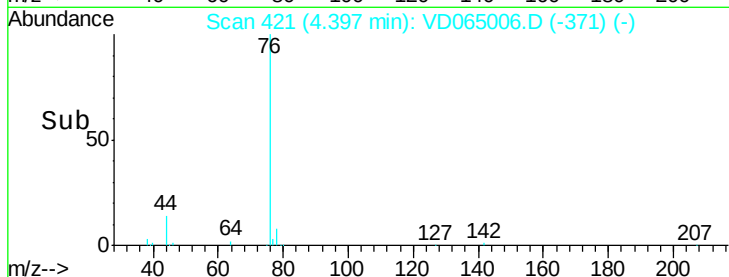
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 22.304 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065006.D

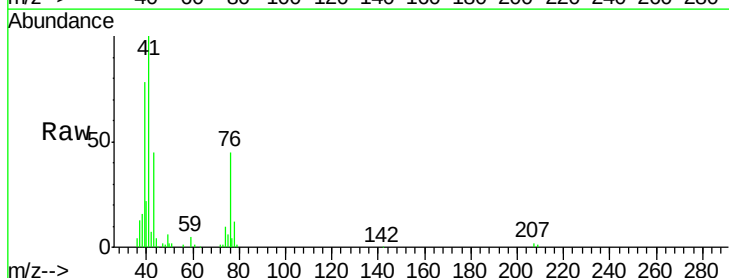
Acq: 30 Jan 2020 11:55

Tgt Ion: 43 Resp: 46697

Ion Ratio Lower Upper

43 100

74 23.5 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

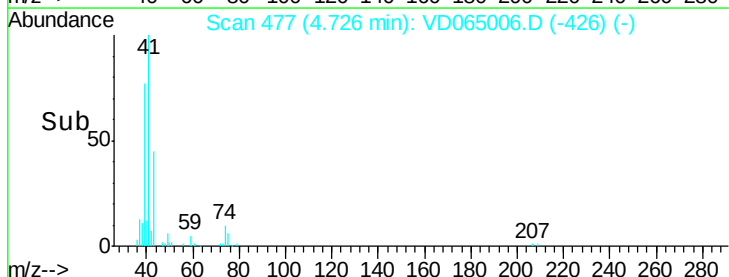
15000

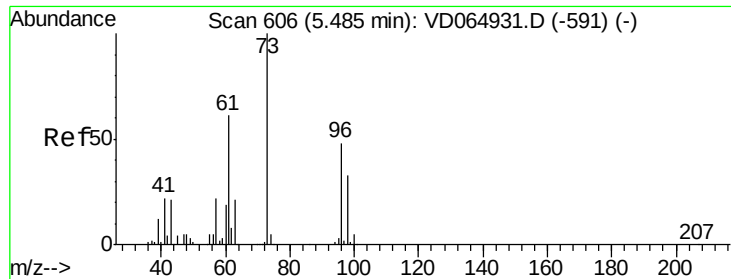
10000

5000

0

Time-->





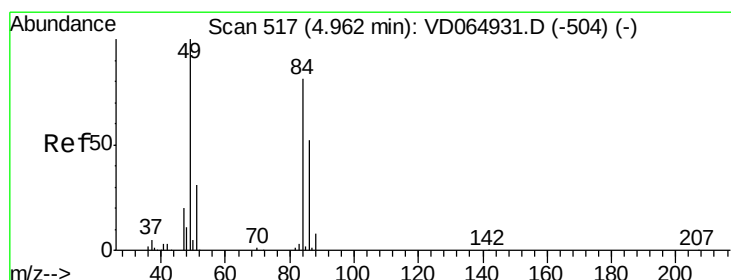
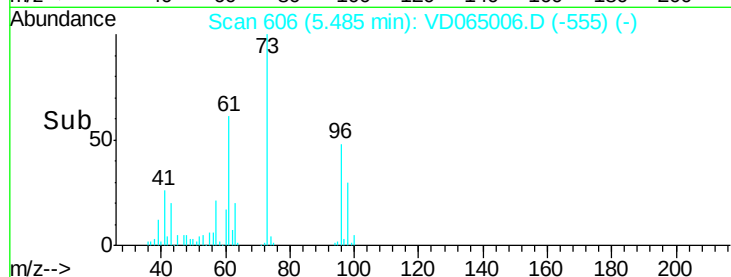
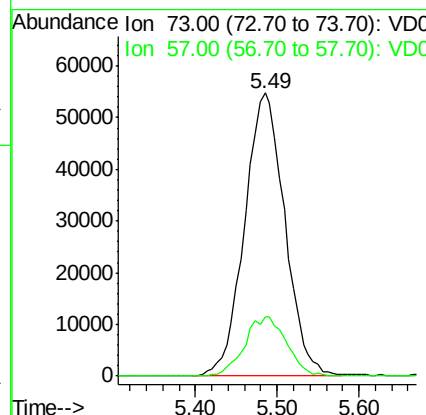
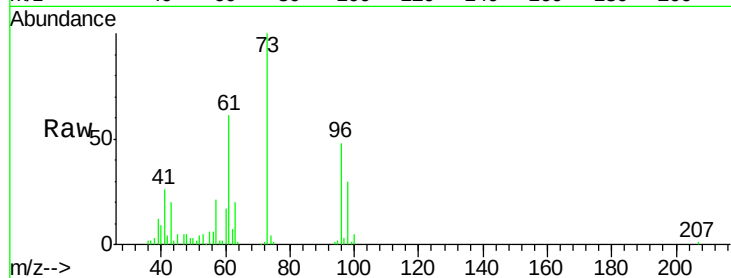
#19
Methyl tert-butyl Ether
Concen: 20.719 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion: 73 Resp: 187807
Ion Ratio Lower Upper
73 100
57 21.1 17.9 26.9

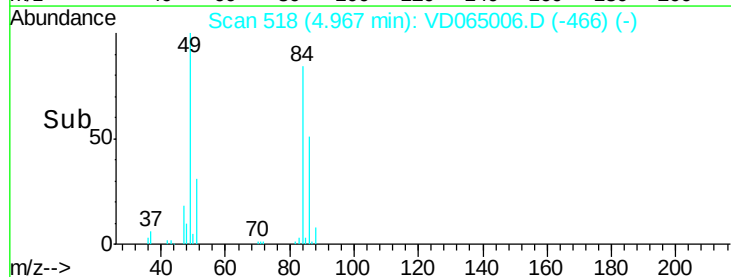
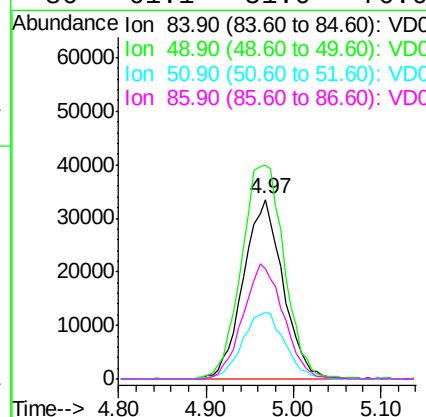
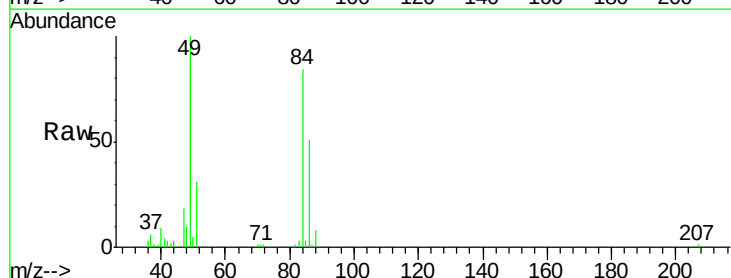
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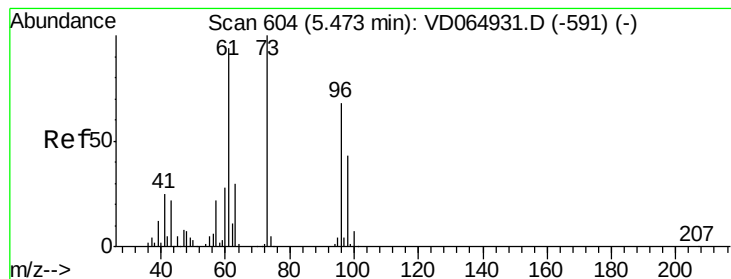
MMDadoda
1/31/2020 4:25:42 PM



#20
Methylene Chloride
Concen: 19.975 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion: 84 Resp: 103535
Ion Ratio Lower Upper
84 100
49 119.0 98.4 147.6
51 37.1 30.8 46.2
86 61.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 21.155 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

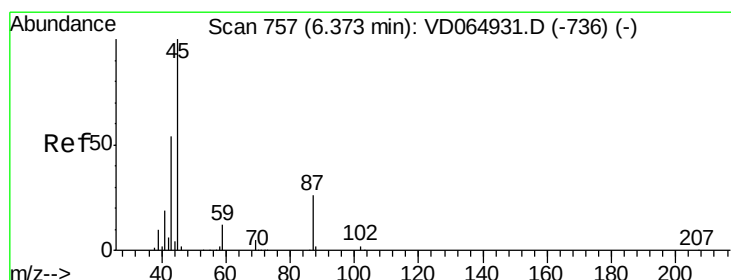
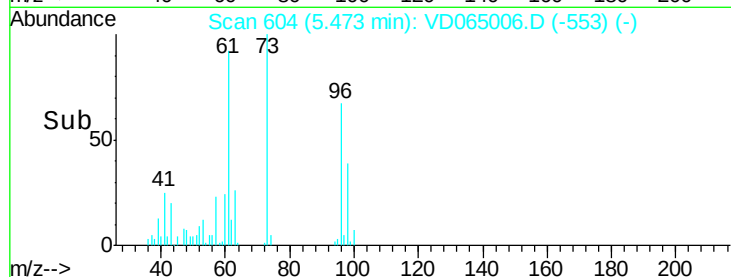
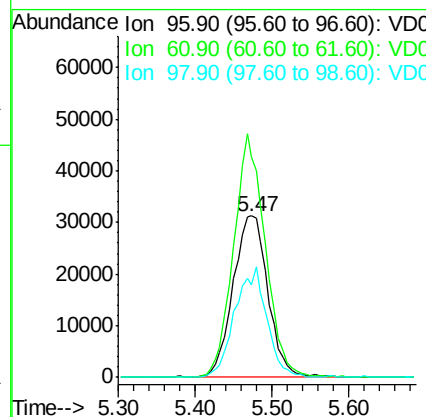
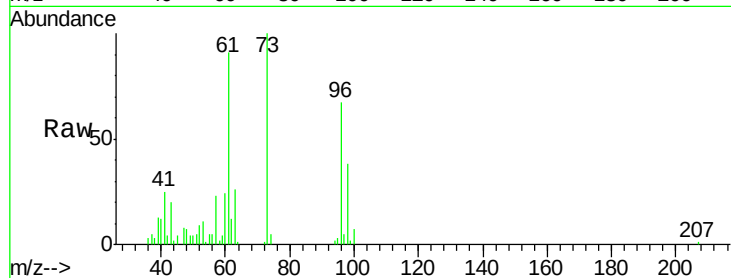
ClientSampleId :

VD0130SBS01

Tot Ion:	96	Resp:	98876
Ion	Ratio	Lower	Upper
96	100		
61	136.8	110.4	165.6
98	57.5	50.5	75.7

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#22

Diisopropyl ether

Concen: 21.610 ug/l

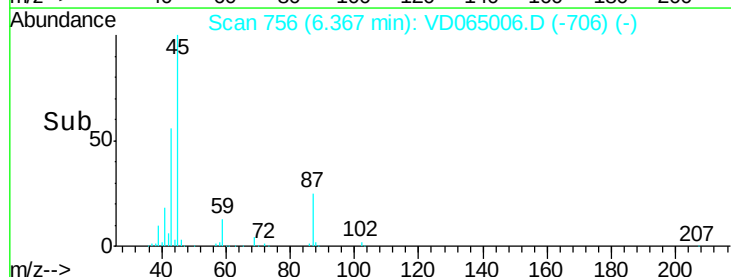
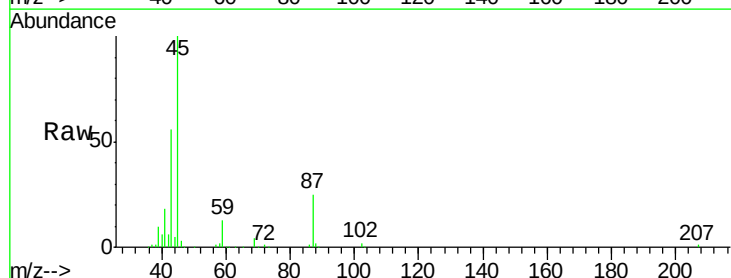
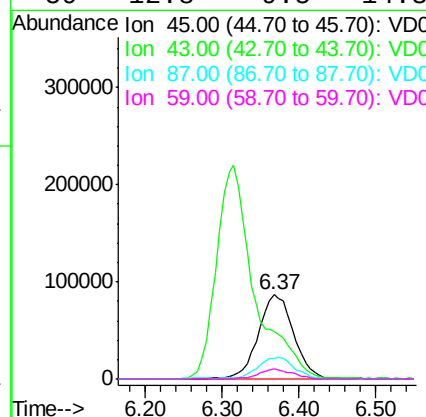
RT: 6.37 min Scan# 756

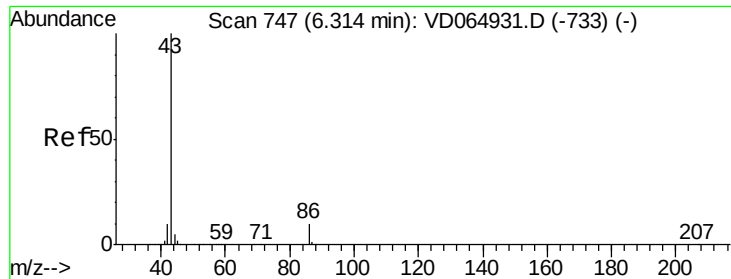
Delta R.T. -0.01 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Tgt Ion:	45	Resp:	278649
Ion	Ratio	Lower	Upper
45	100		
43	54.9	43.1	64.7
87	24.0	21.4	32.2
59	12.8	9.5	14.3





#23

Vinyl Acetate

Concen: 99.862 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 43 Resp: 753923

Ion Ratio Lower Upper

43 100

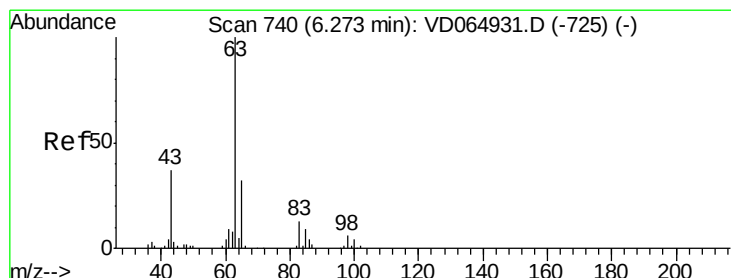
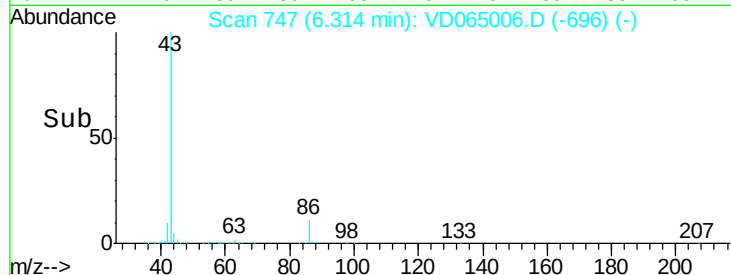
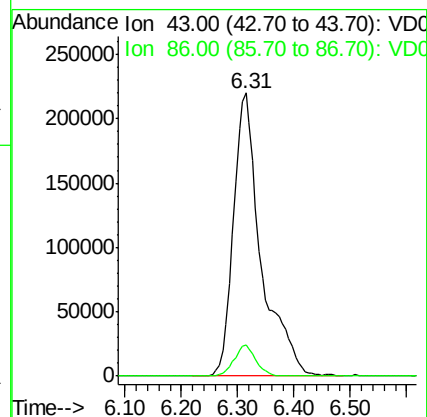
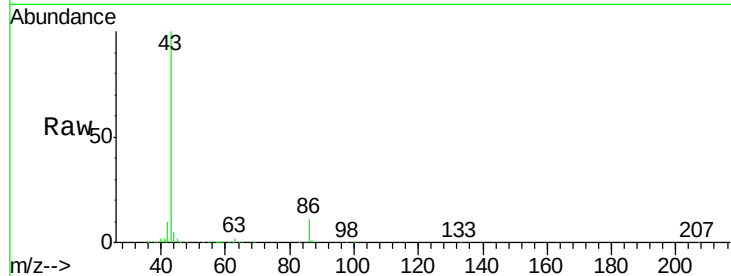
86 11.0 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 21.520 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

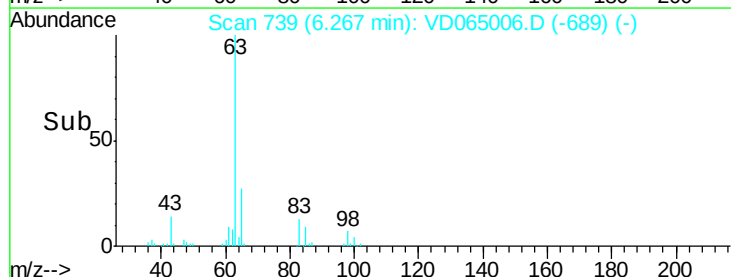
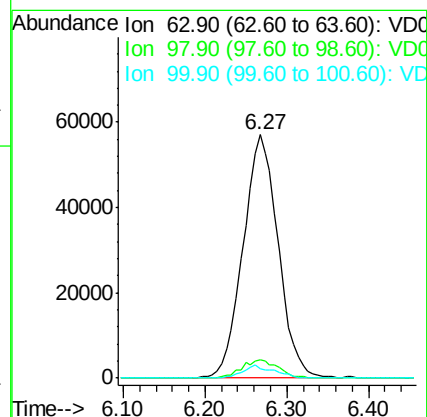
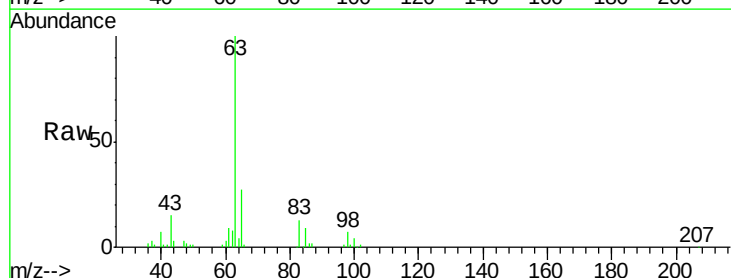
Tgt Ion: 63 Resp: 170379

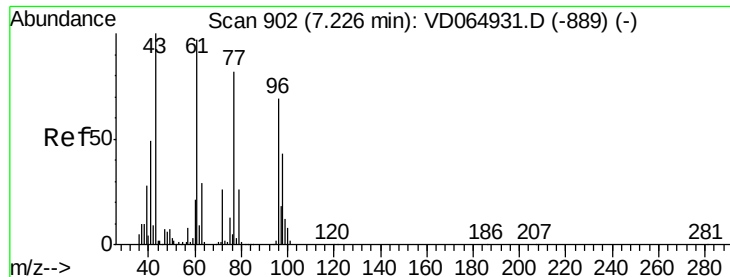
Ion Ratio Lower Upper

63 100

98 7.4 3.1 9.3

100 4.0 2.3 6.8





#25

2-Butanone

Concen: 99.319 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 43 Resp: 119950

Ion Ratio Lower Upper

43 100

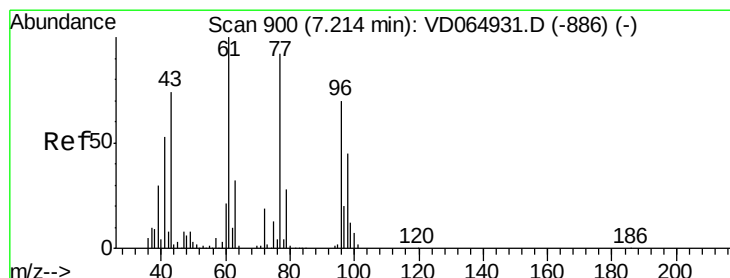
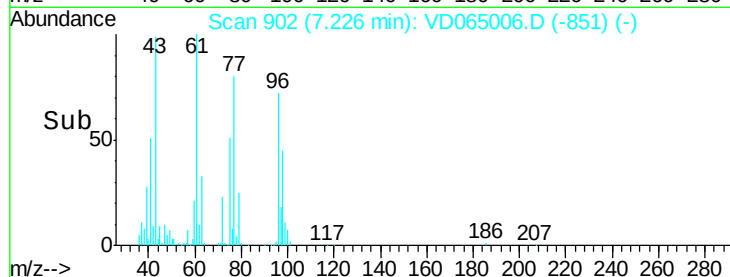
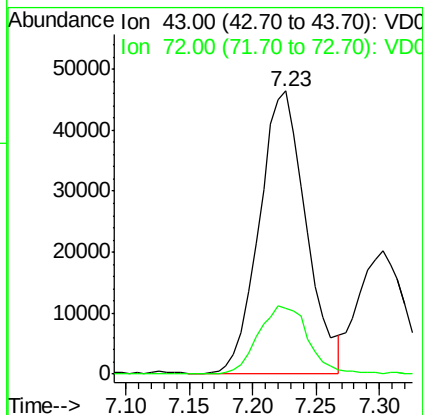
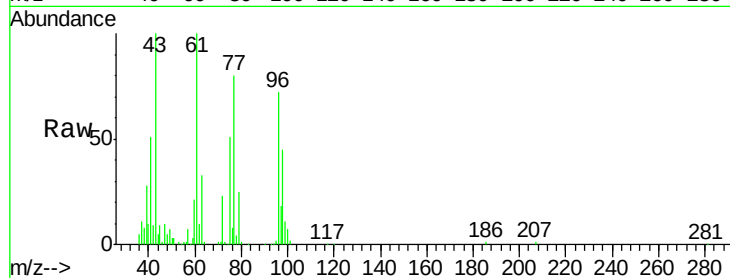
72 23.3 20.6 31.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.749 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065006.D

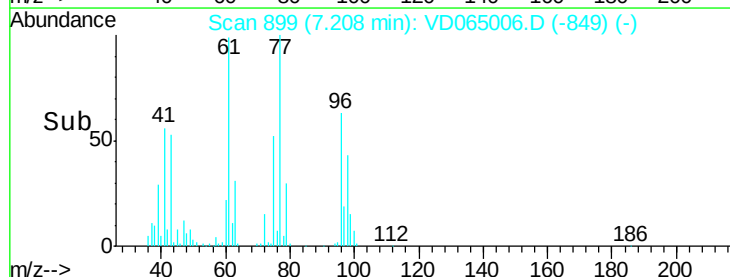
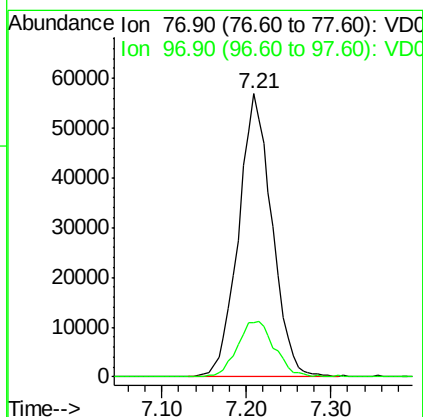
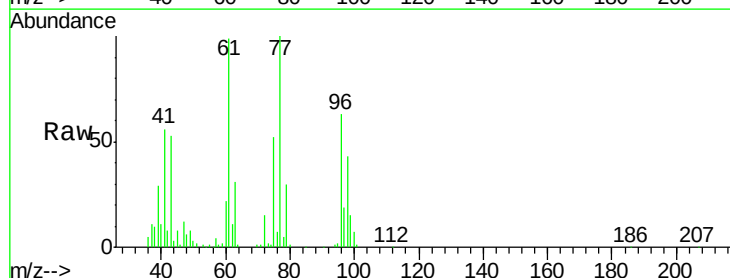
Acq: 30 Jan 2020 11:55

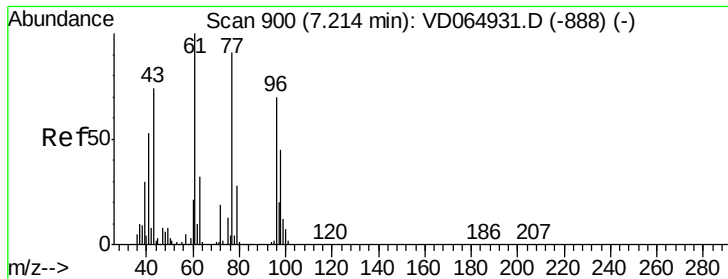
Tgt Ion: 77 Resp: 156184

Ion Ratio Lower Upper

77 100

97 21.8 11.4 34.2





#27

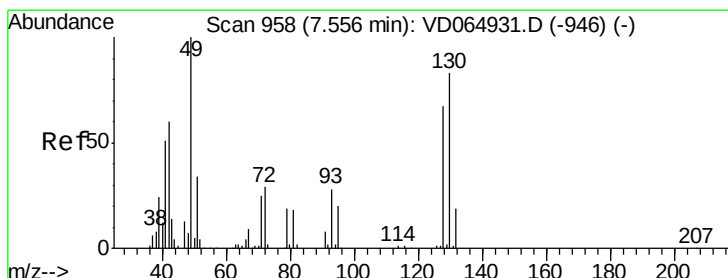
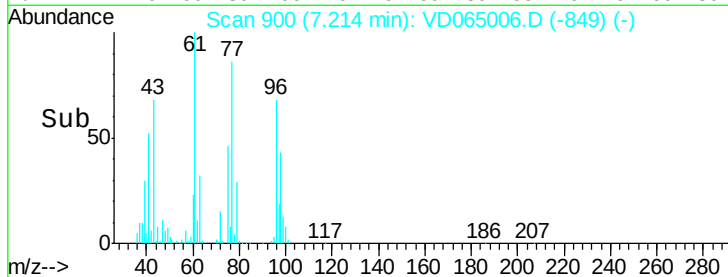
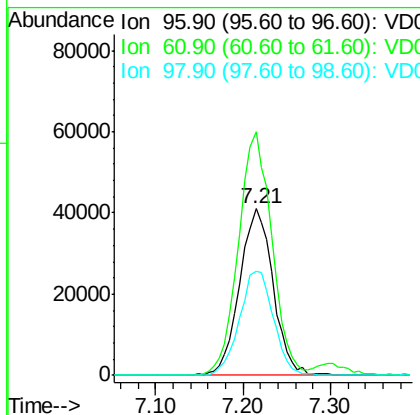
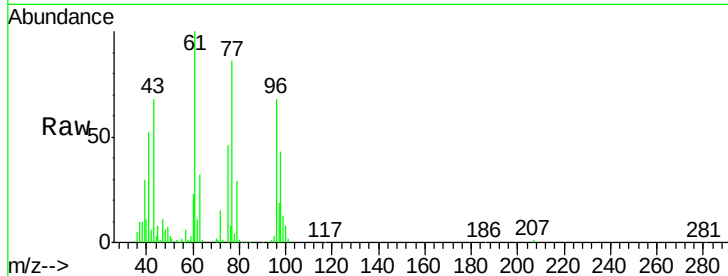
cis-1,2-Dichloroethene
 Concen: 21.347 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	106495		
61	145.7		0.0	292.8
98	63.3		0.0	130.0

Manual Integrations
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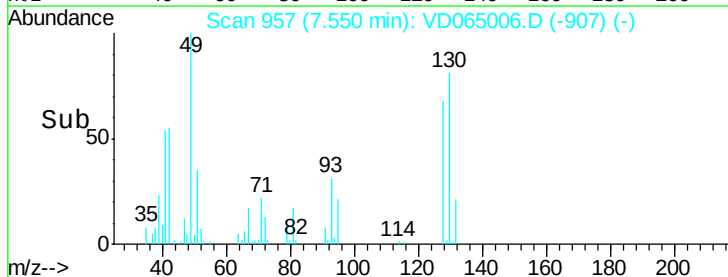
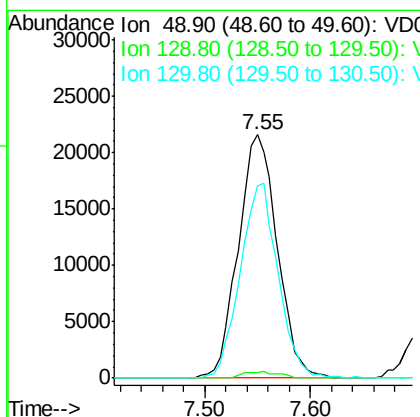
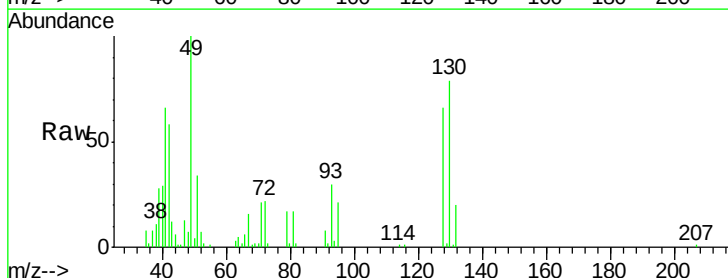
MMDadoda
 1/31/2020 4:25:42 PM

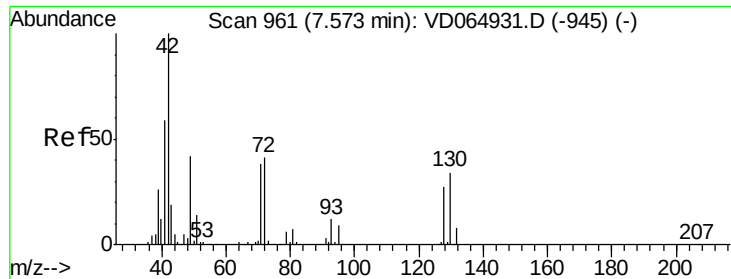


#28

Bromochloromethane
 Concen: 17.452 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	55256		
129	2.4		0.0	4.4
130	77.8		63.8	95.8





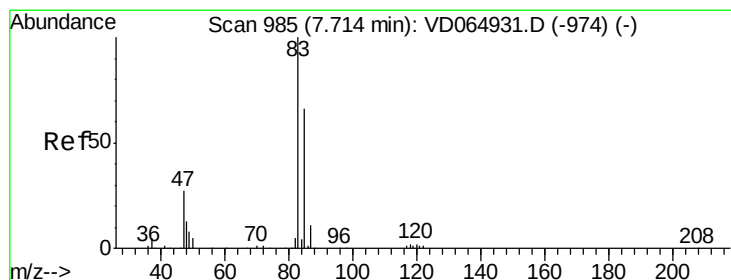
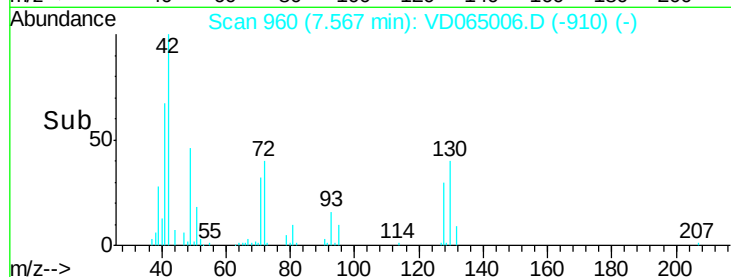
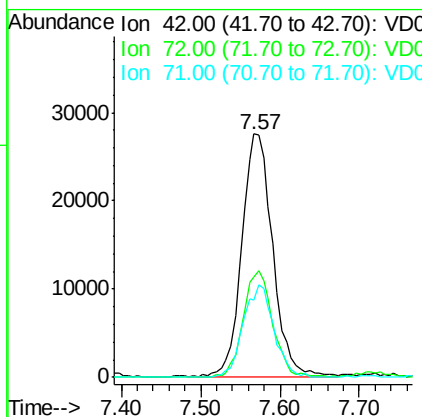
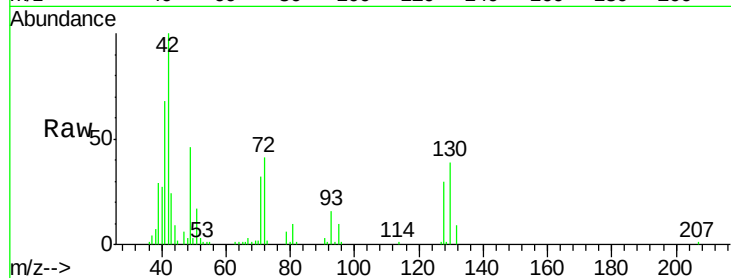
#29
Tetrahydrofuran
Concen: 100.865 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.0	51.0
71	37.2	31.5	47.3

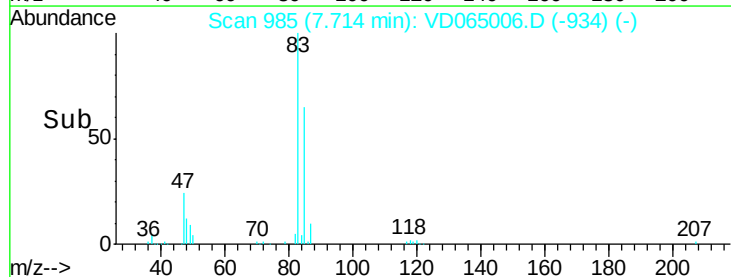
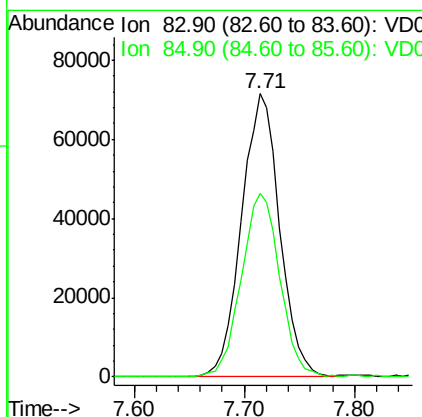
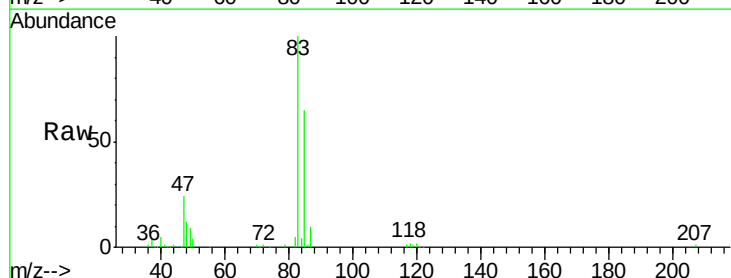
Manual Integrations
APPROVED

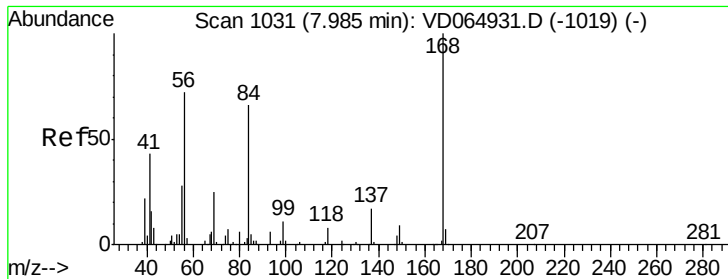
MMDadoda
1/31/2020 4:25:42 PM



#30
Chloroform
Concen: 21.207 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.4	78.6





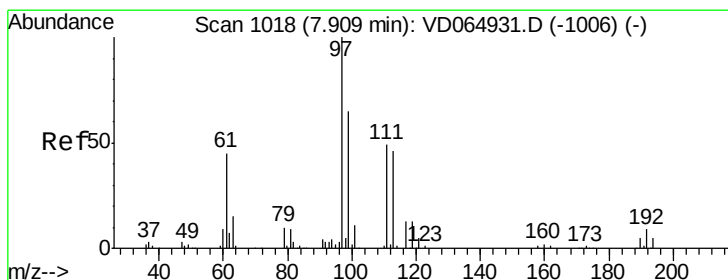
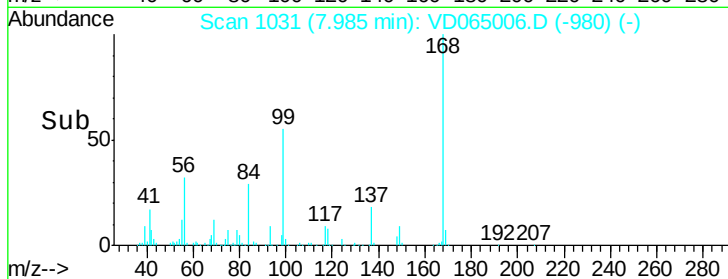
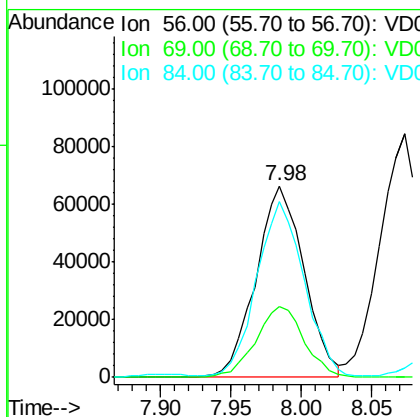
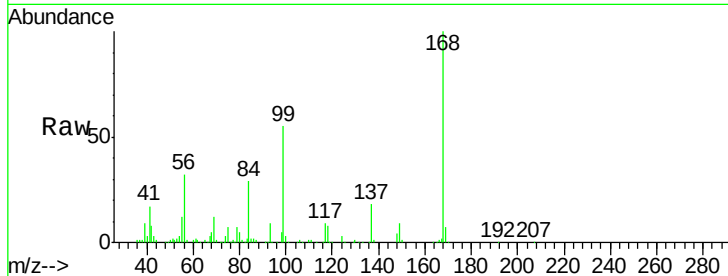
#31
Cyclohexane
Concen: 20.326 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	27.9	41.9
84	90.6	72.8	109.2

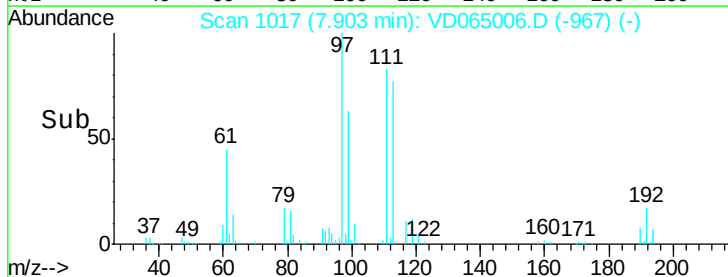
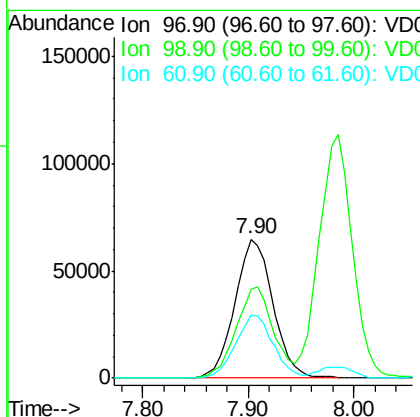
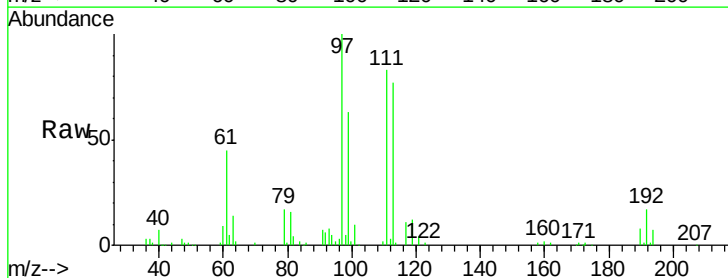
Manual Integrations
APPROVED

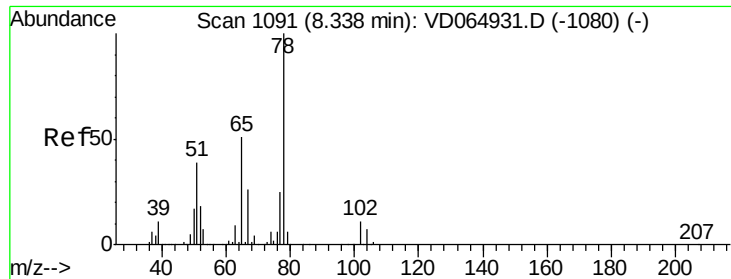
MMDadoda
1/31/2020 4:25:42 PM



#32
1,1,1-Trichloroethane
Concen: 21.295 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.6	76.0
61	44.6	35.7	53.5





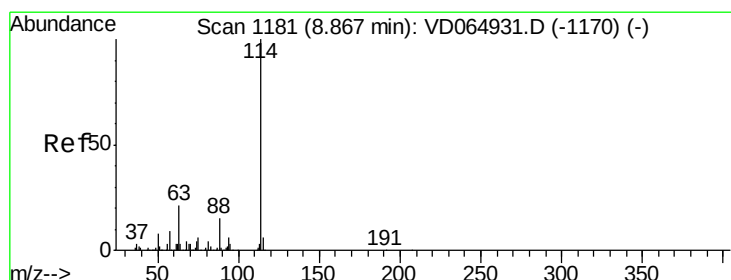
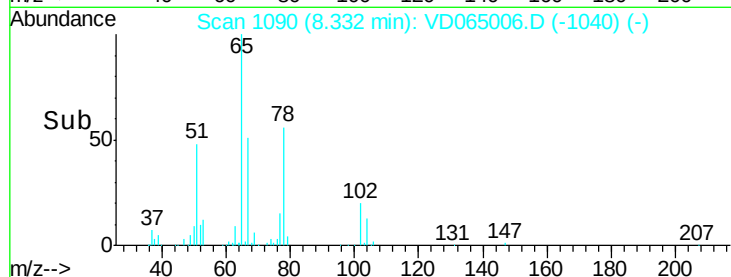
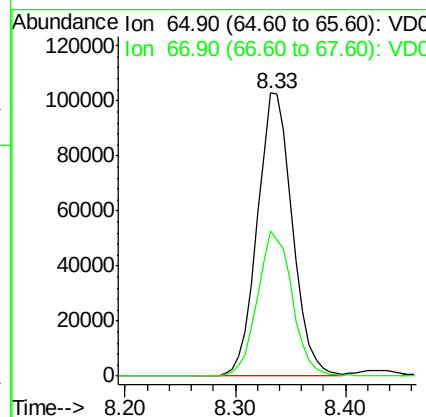
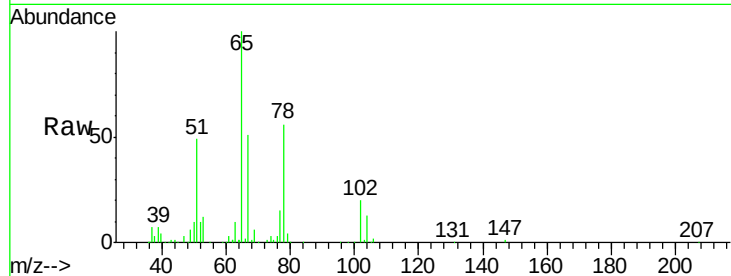
#33
 1,2-Dichloroethane-d4
 Concen: 51.227 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	229005		
67	51.0	0.0	103.6	

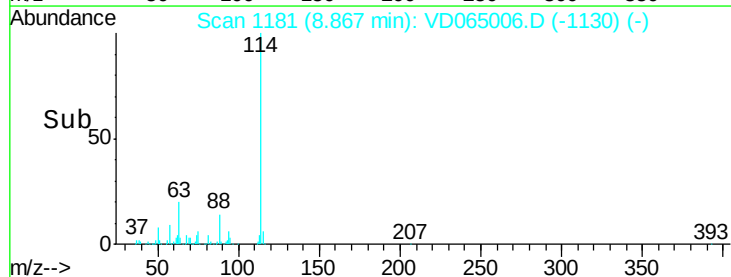
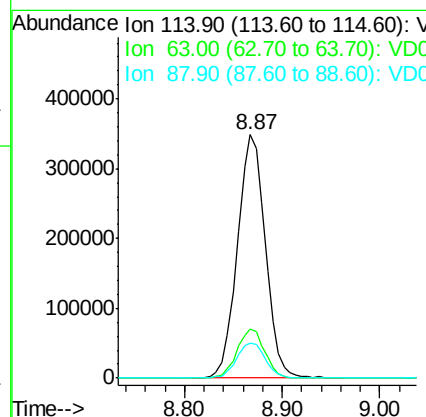
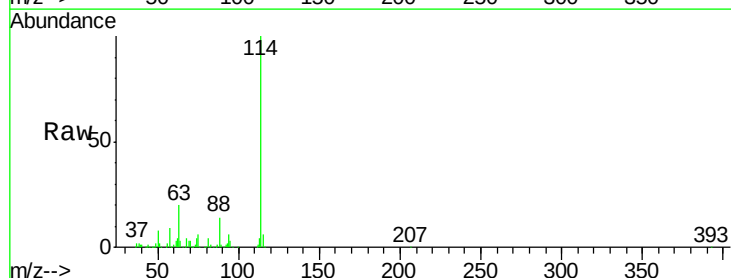
Manual Integrations
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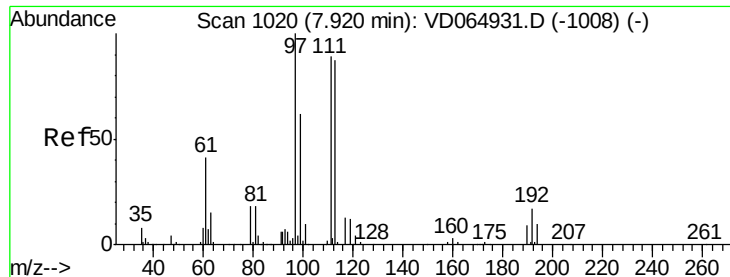
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	693929		
63	20.2	0.0	42.0	
88	14.2	0.0	29.4	





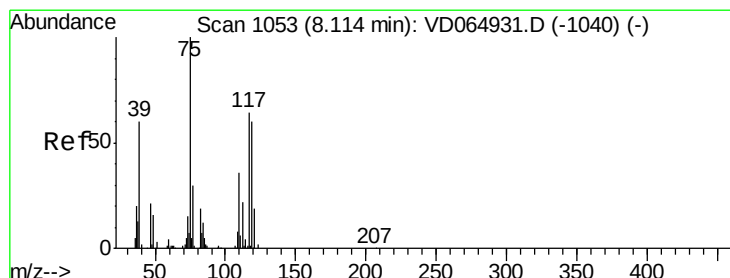
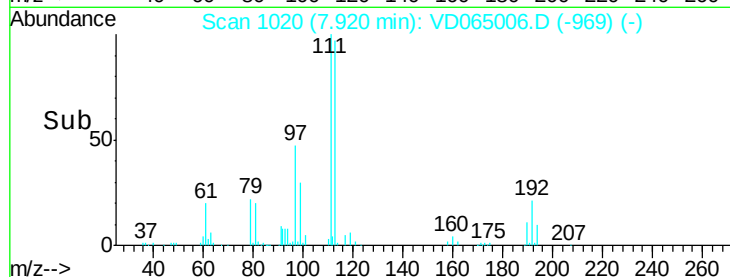
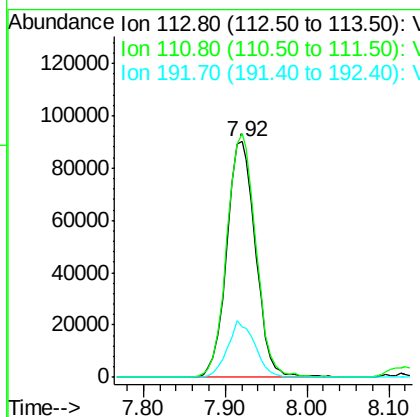
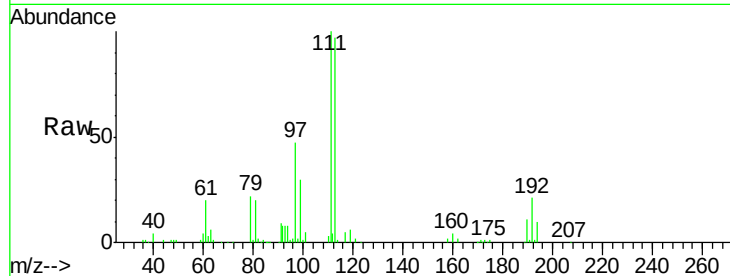
#35
 Dibromofluoromethane
 Concen: 50.687 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221035		
111	103.8	82.4	123.6	
192	22.6	16.9	25.3	

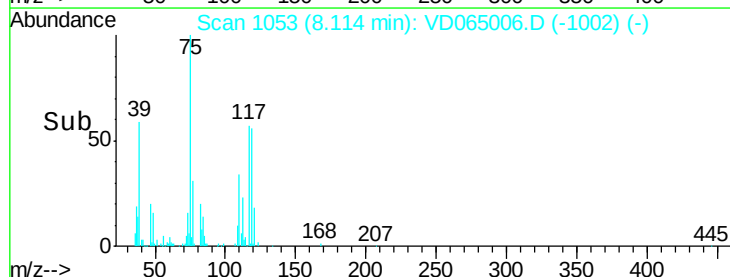
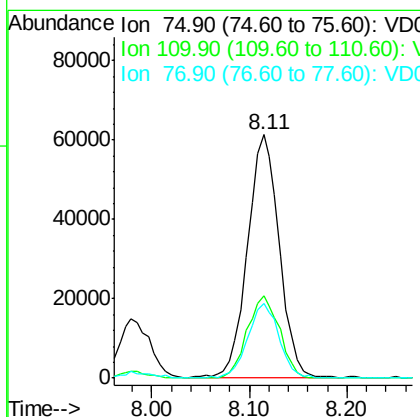
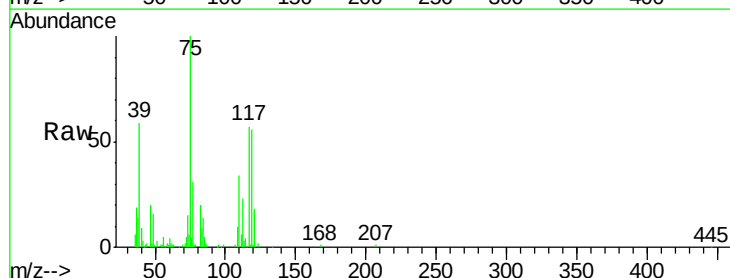
Manual Integrations
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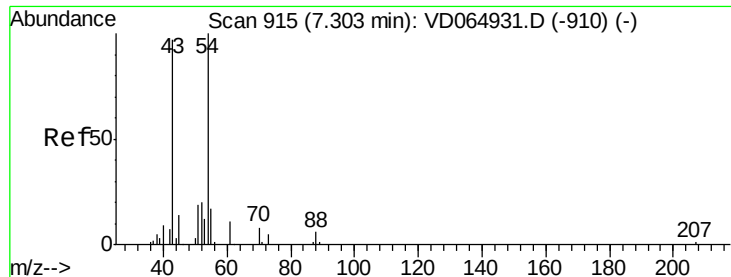
MMDadoda
 1/31/2020 4:25:42 PM



#36
 1,1-Dichloropropene
 Concen: 20.980 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	140389		
110	34.3	17.3	52.0	
77	30.5	24.7	37.1	





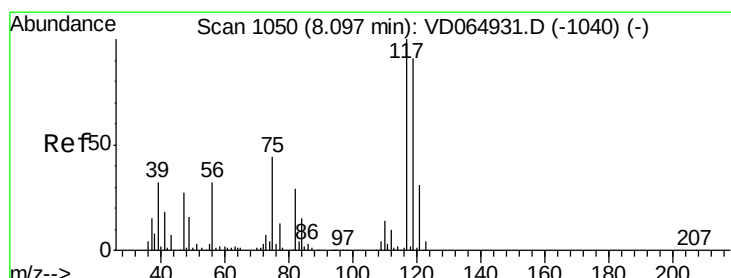
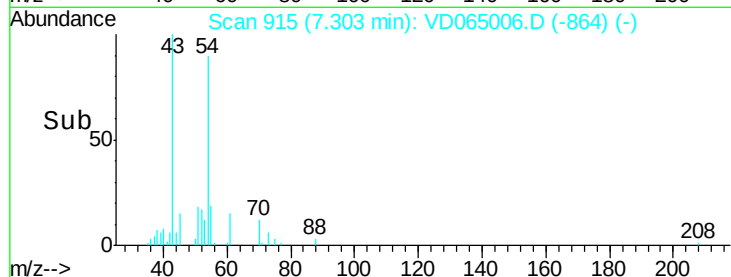
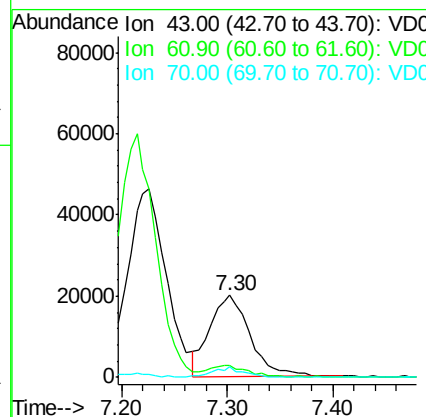
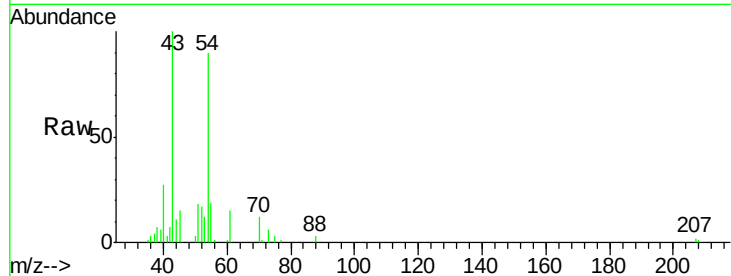
#37
Ethyl Acetate
Concen: 19.359 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleID :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	11.0	16.4
70	9.4	7.5	11.3

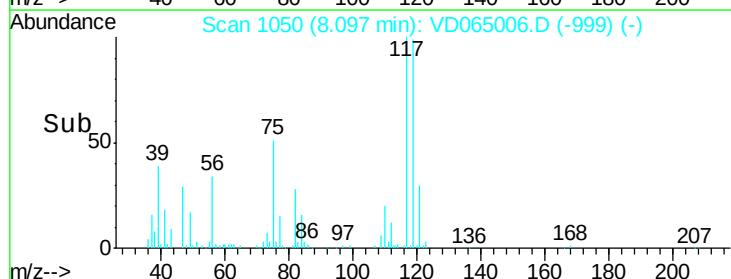
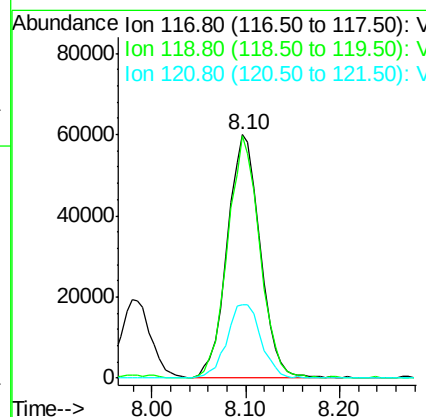
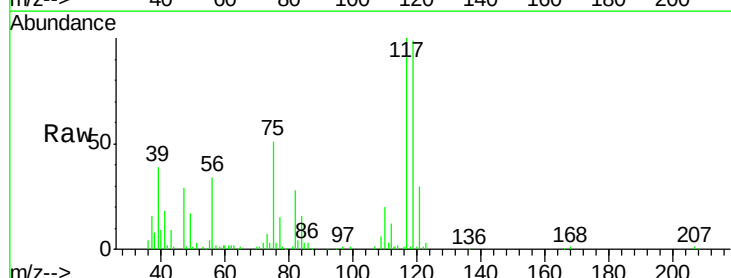
Manual Integrations
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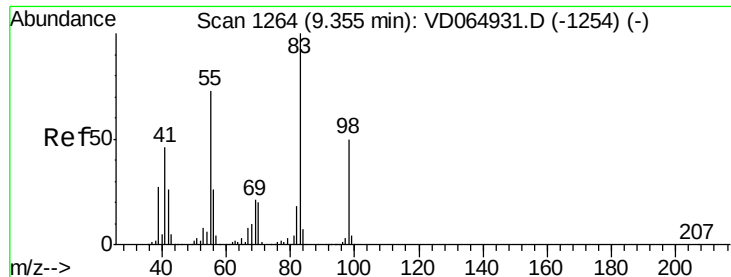
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#38
Carbon Tetrachloride
Concen: 20.486 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.6	73.2	109.8
121	30.4	24.4	36.6





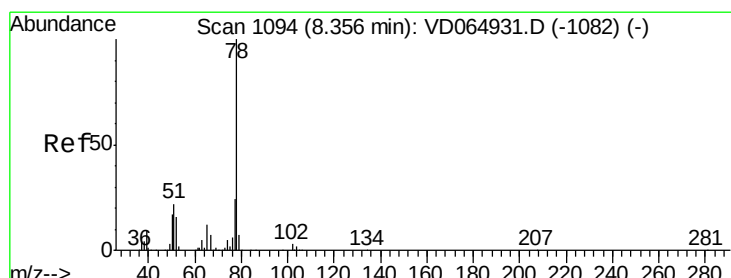
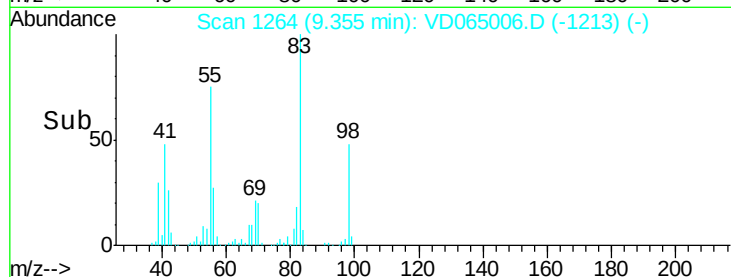
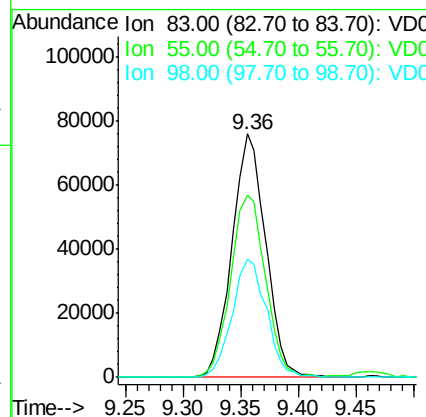
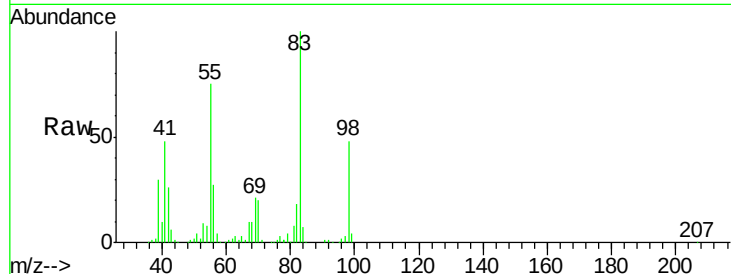
#39
Methylvlcyclohexane
Concen: 19.681 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	153968		
55	74.7		58.7	88.1
98	48.5		40.2	60.2

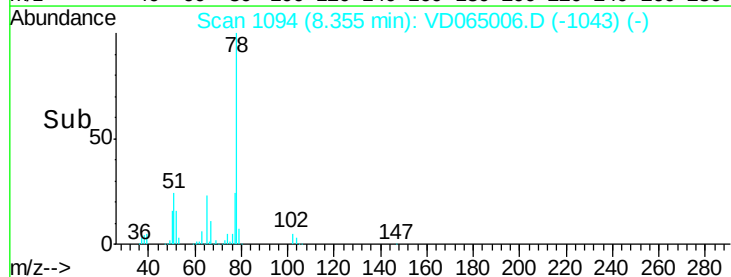
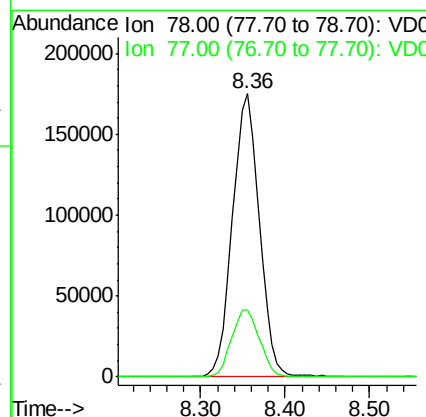
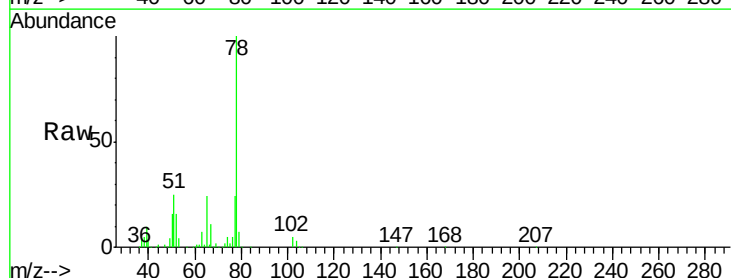
Manual Integrations
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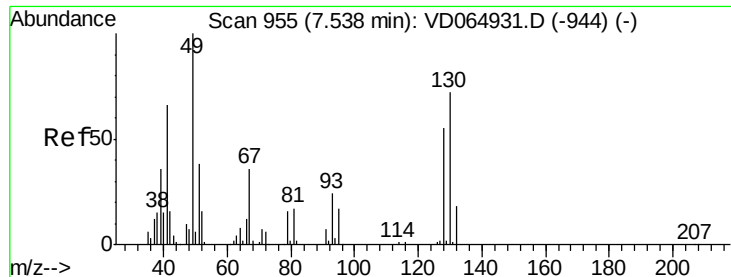
MMDadoda
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#40
Benzene
Concen: 20.845 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	384158		
77	23.7		19.2	28.8





#41

Methacrylonitrile

Concen: 20.910 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 41 Resp: 31134

Ion Ratio Lower Upper

41 100

39 58.9 49.3 73.9

67 69.0 51.0 76.6

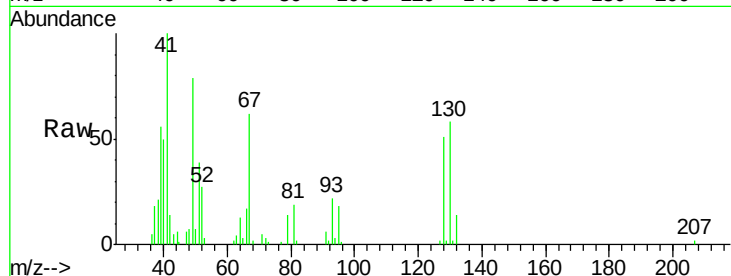
52 31.3 22.3 33.5

Manual Integrations

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MMDadoda

1/31/2020 4:25:42 PM



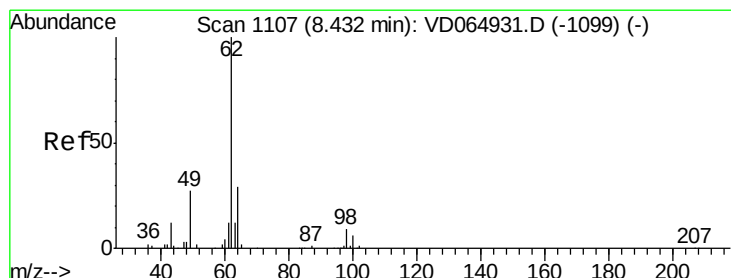
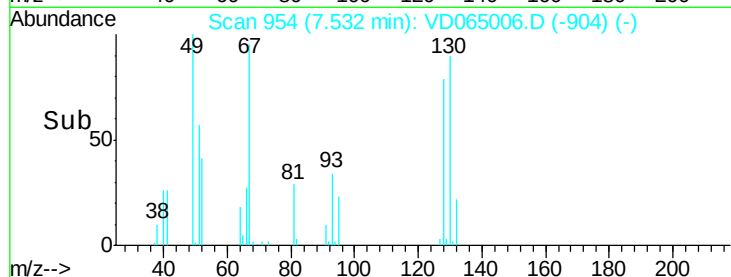
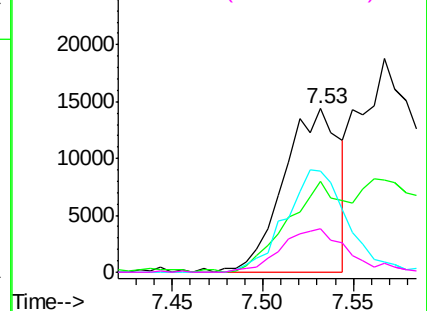
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.568 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD065006.D

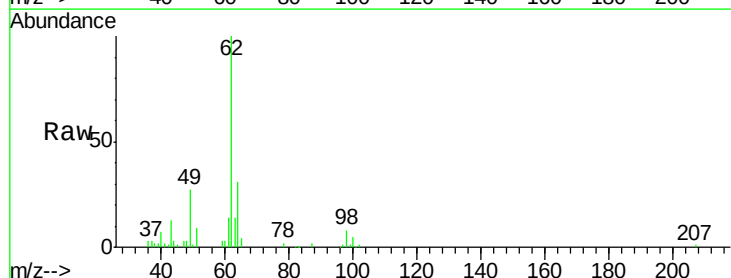
Acq: 30 Jan 2020 11:55

Tgt Ion: 62 Resp: 112911

Ion Ratio Lower Upper

62 100

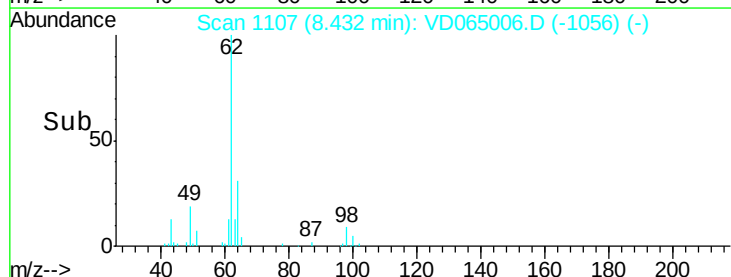
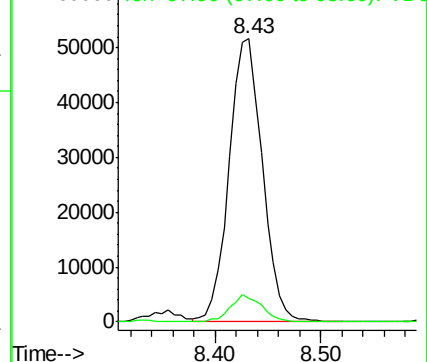
98 9.2 0.0 17.8

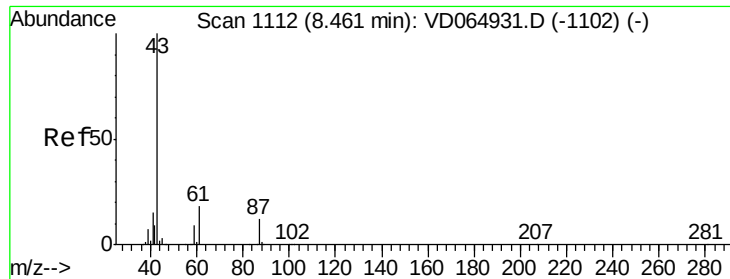


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.540 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

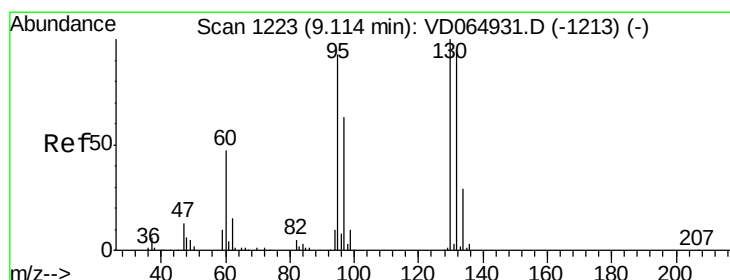
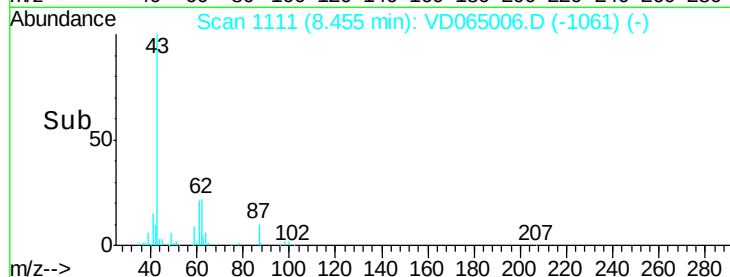
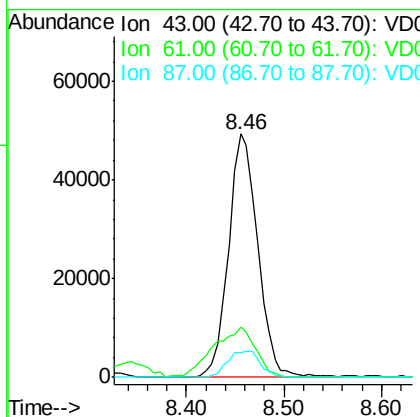
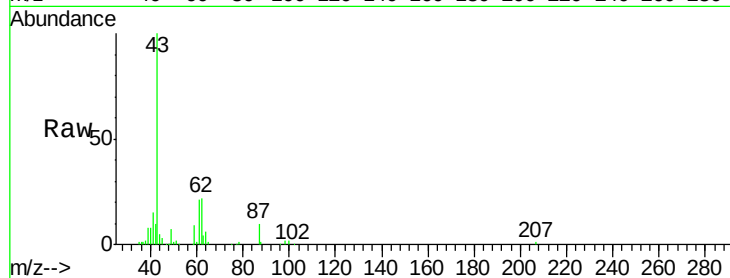
ClientSampleId :

VD0130SBS01

Tot Ion:	43	Resp:	102590
Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.8	35.6
87	12.1	10.3	15.5

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#44

Trichloroethene

Concen: 20.594 ug/l

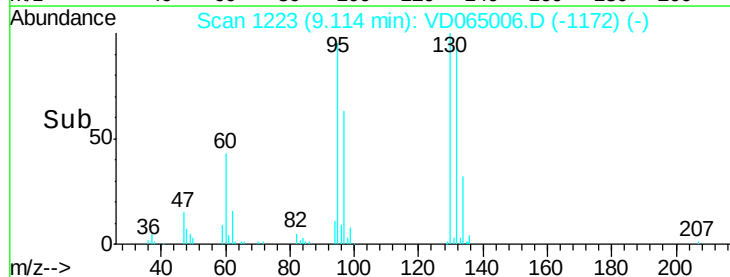
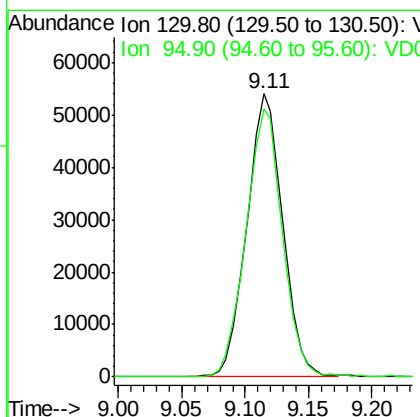
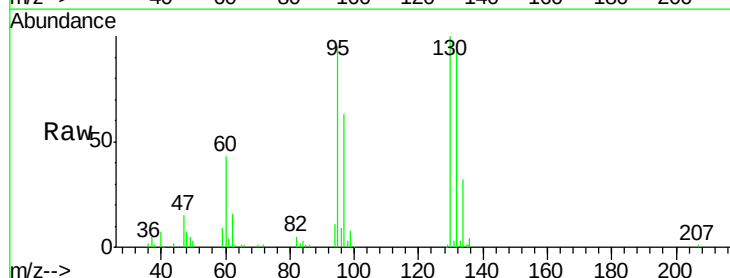
RT: 9.11 min Scan# 1223

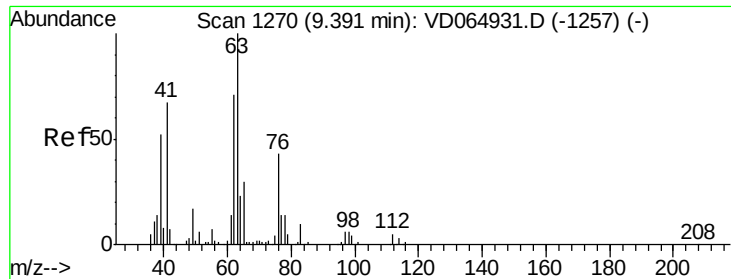
Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Tgt Ion:	130	Resp:	106220
Ion	Ratio	Lower	Upper
130	100		
95	94.6	0.0	185.8





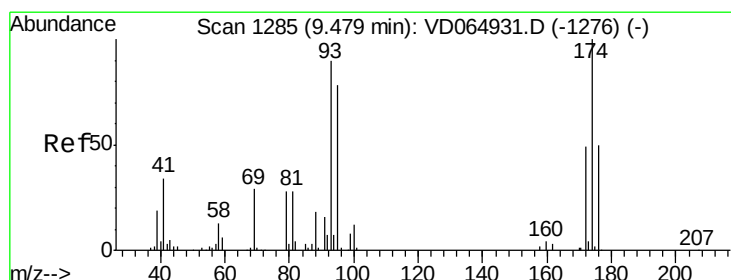
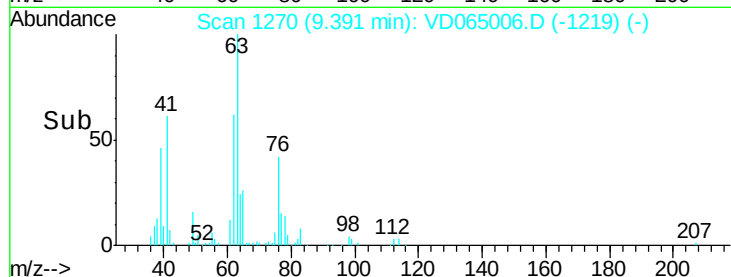
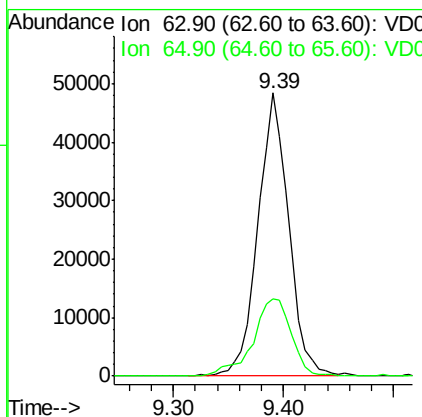
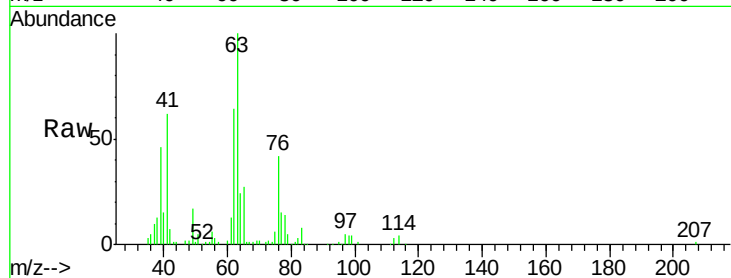
#45
 1,2-Dichloropropane
 Concen: 21.139 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion: 63 Resp: 94444
 Ion Ratio Lower Upper
 63 100
 65 27.3 24.3 36.5

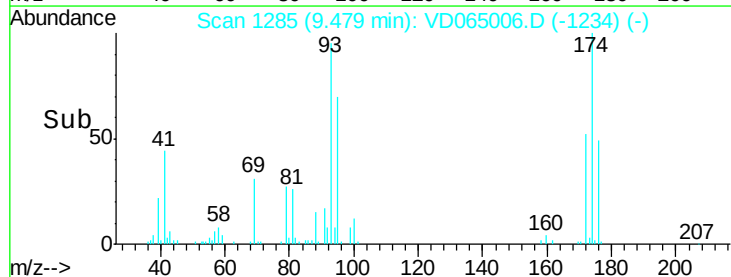
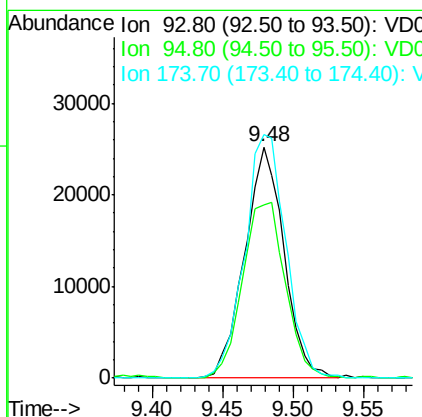
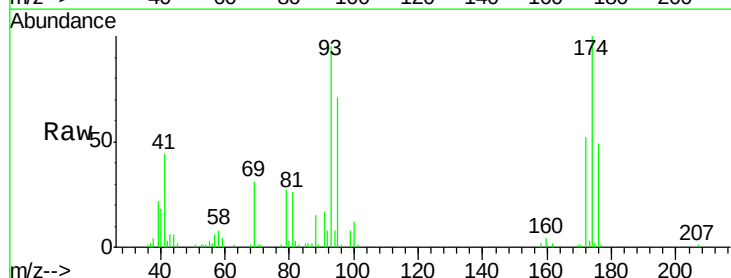
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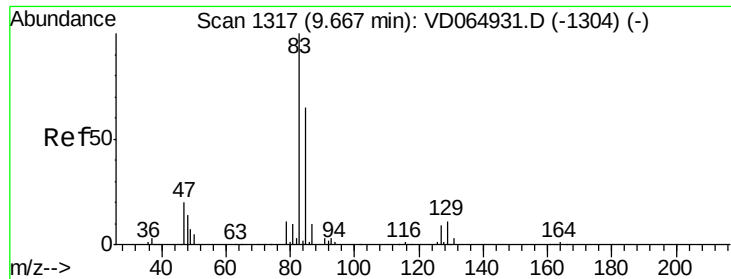
MMDadoda
 1/31/2020 4:25:42 PM



#46
 Dibromomethane
 Concen: 20.286 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion: 93 Resp: 49480
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.5 101.3
 174 110.3 88.4 132.6





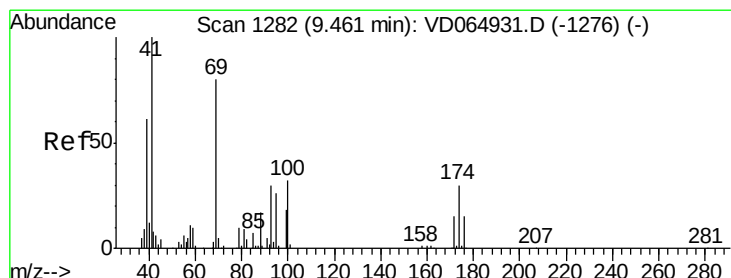
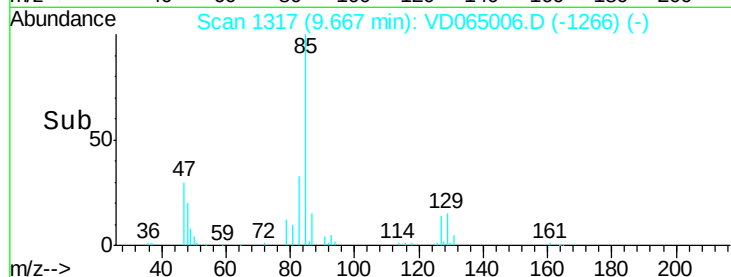
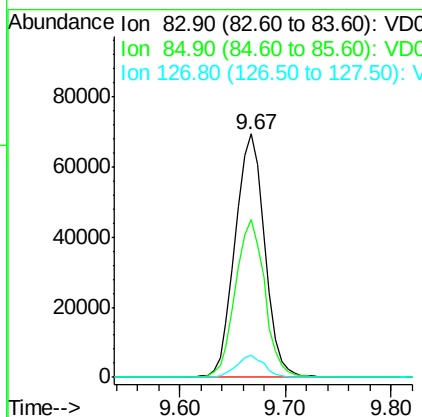
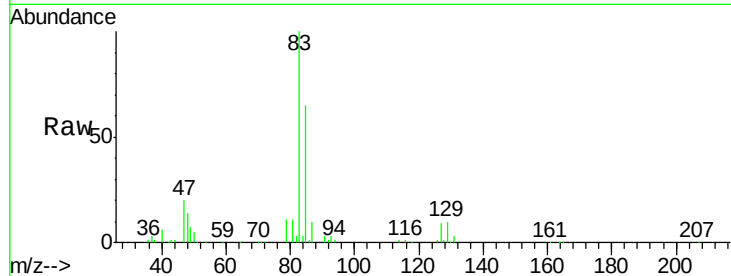
#47
Bromodichloromethane
Concen: 21.254 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

Tot Ion	83	Resp	134899
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	52.0	78.0
127	9.2	7.3	10.9

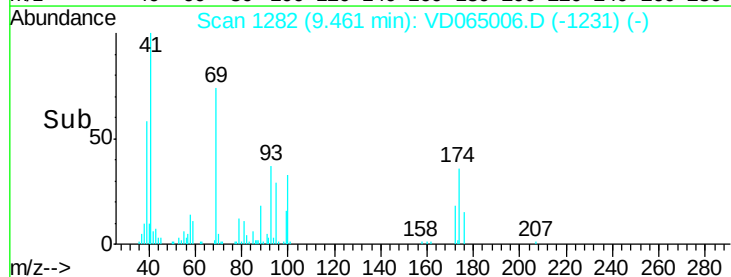
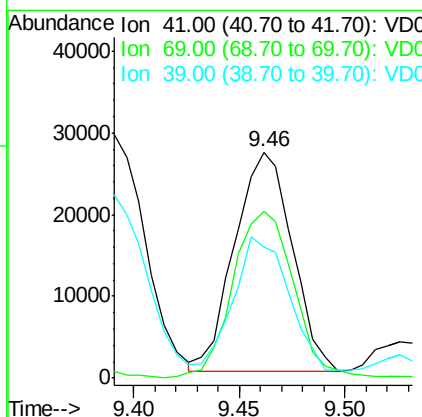
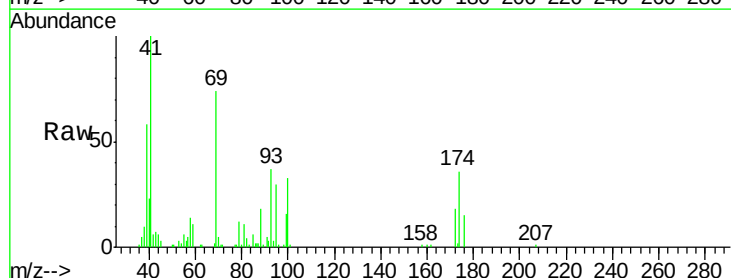
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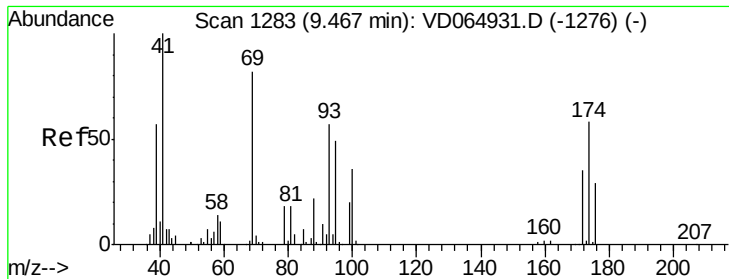
MMDadoda
1/31/2020 4:25:42 PM



#48
Methyl methacrylate
Concen: 20.958 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	41	Resp	50636
Ion Ratio	100	Lower	Upper
41	100		
69	81.0	65.8	98.8
39	58.2	49.4	74.0





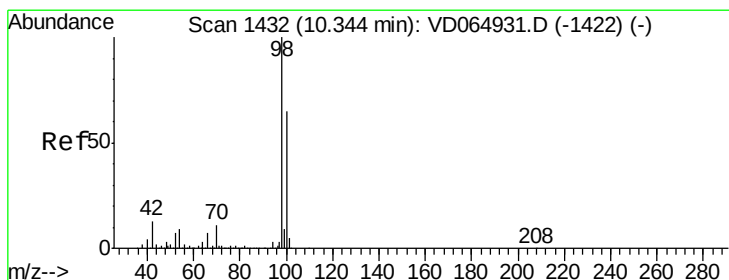
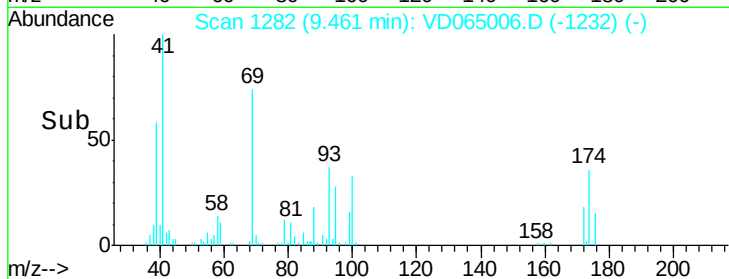
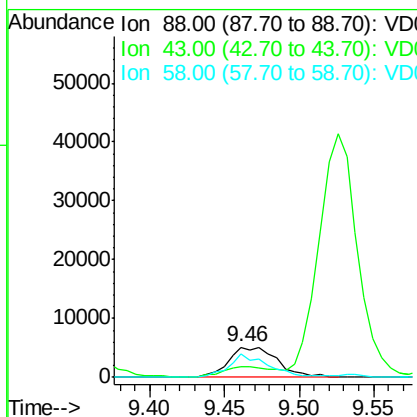
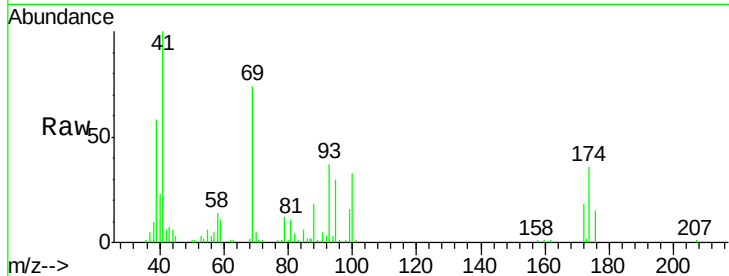
#49
1,4-Dioxane
Concen: 411.824 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.2	26.2	39.4#
58	63.5	50.3	75.5

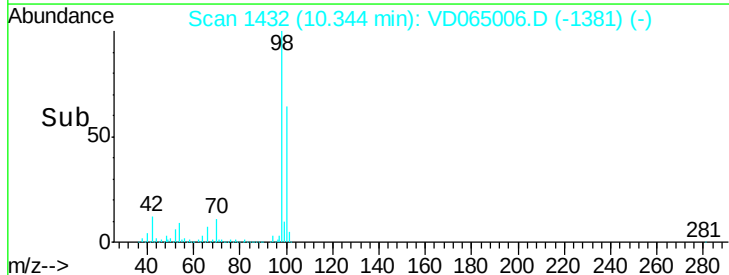
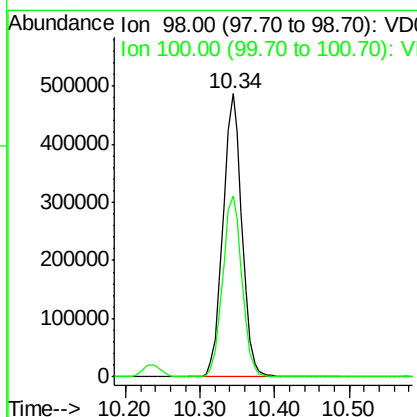
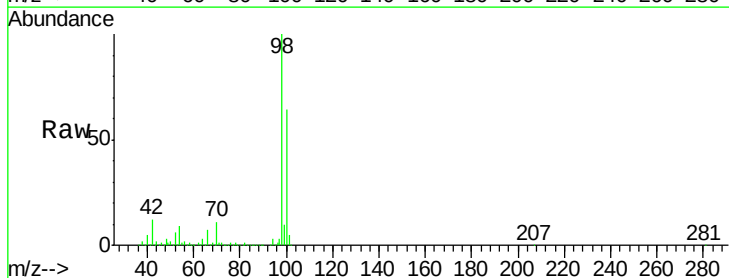
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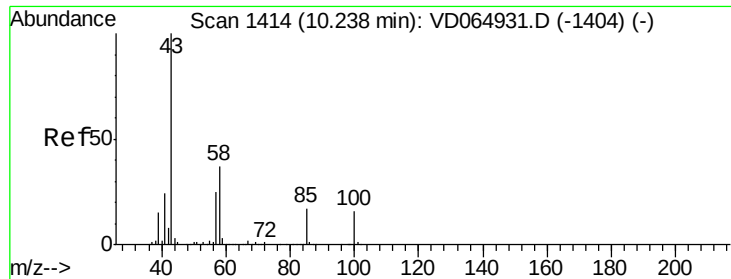
MMDadoda
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#50
Toluene-d8
Concen: 51.243 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.3	78.5





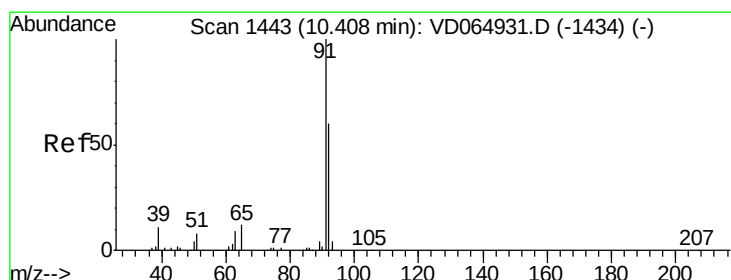
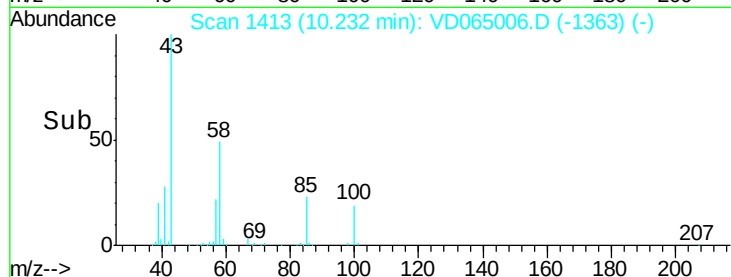
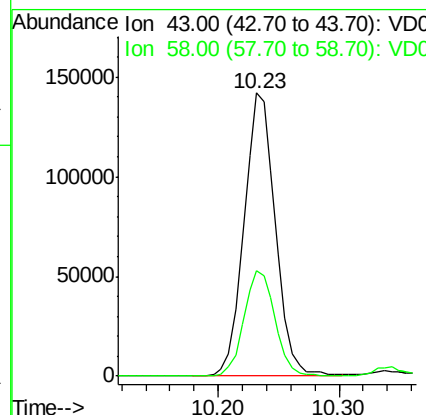
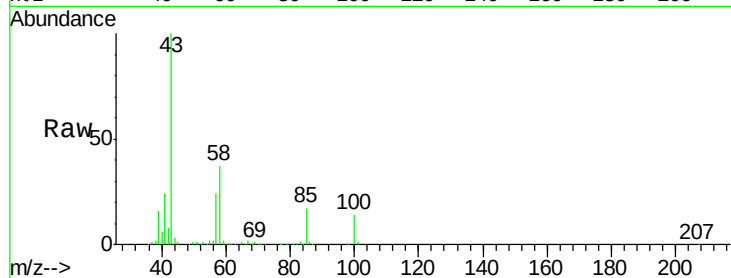
#51
 4-Methyl-2-Pentanone
 Concen: 97.977 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion: 43 Resp: 257387
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.4 45.6

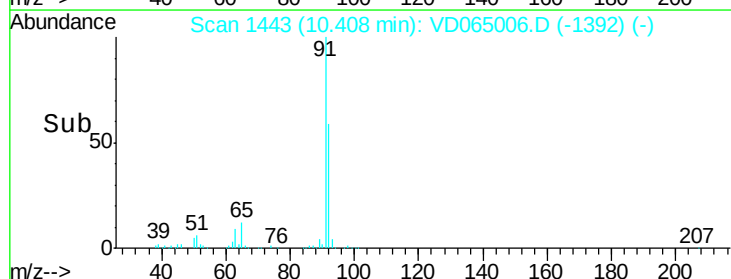
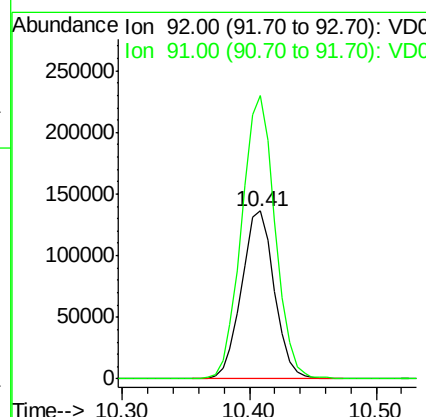
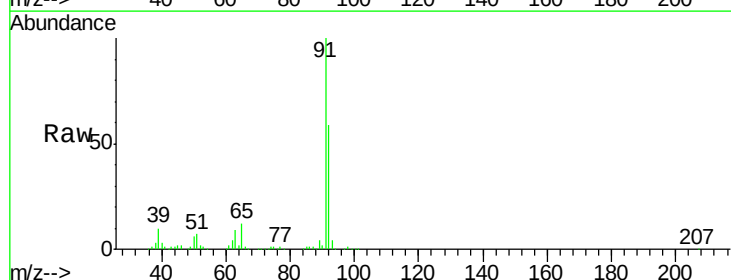
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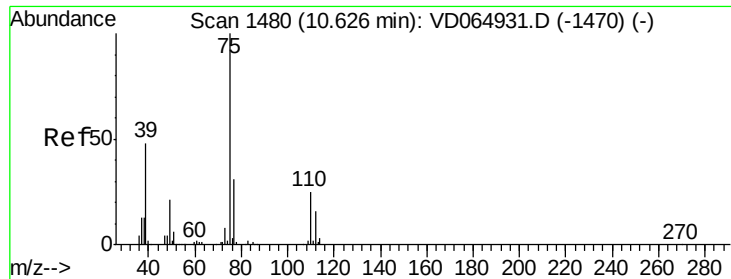
MMDadoda
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#52
 Toluene
 Concen: 20.637 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion: 92 Resp: 245202
 Ion Ratio Lower Upper
 92 100
 91 171.8 136.8 205.2





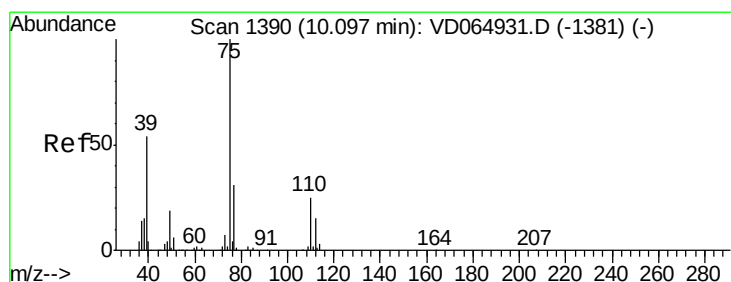
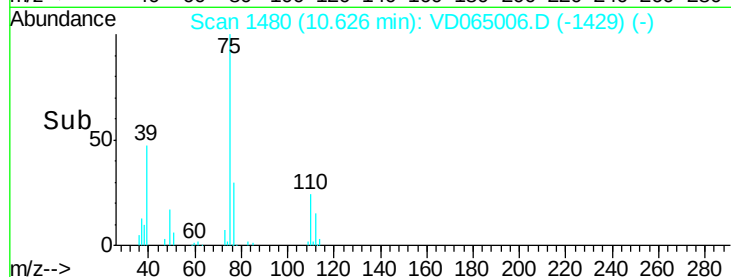
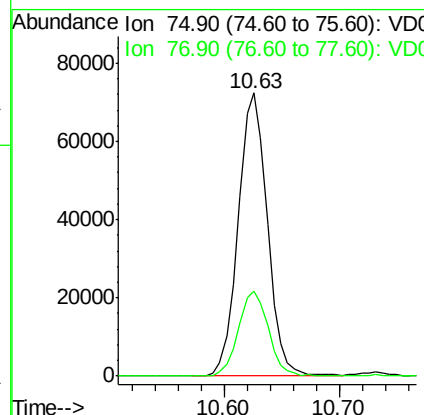
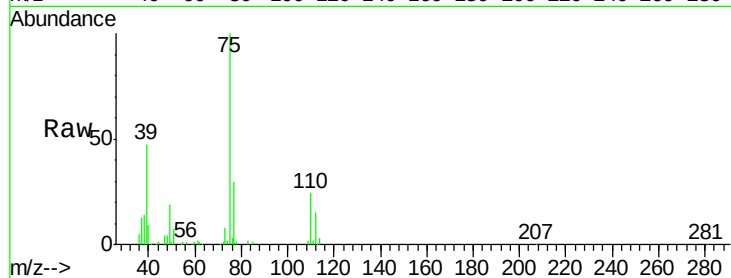
#53
t-1,3-Dichloropropene
Concen: 20.883 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.0	37.6

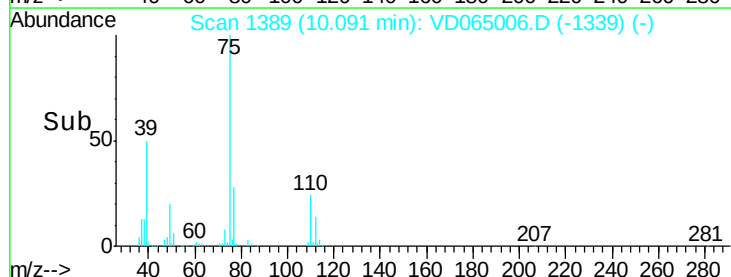
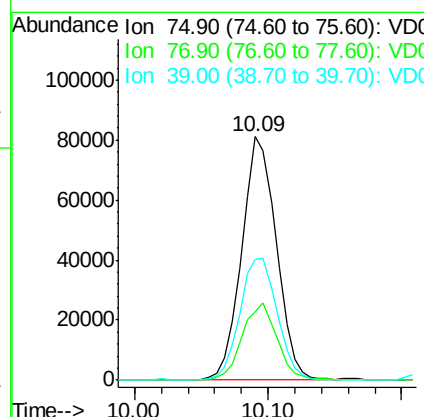
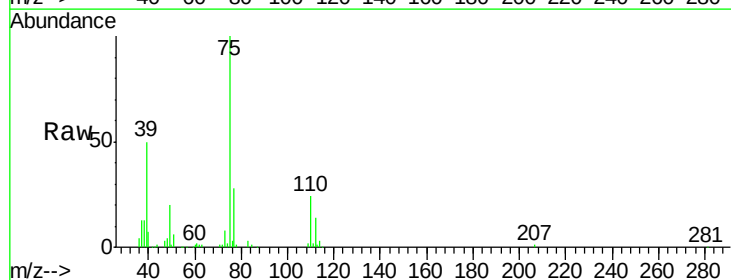
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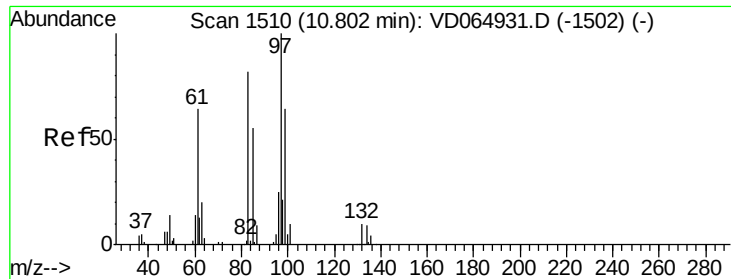
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#54
cis-1,3-Dichloropropene
Concen: 20.589 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.3	25.1	37.7
39	49.7	43.0	64.6





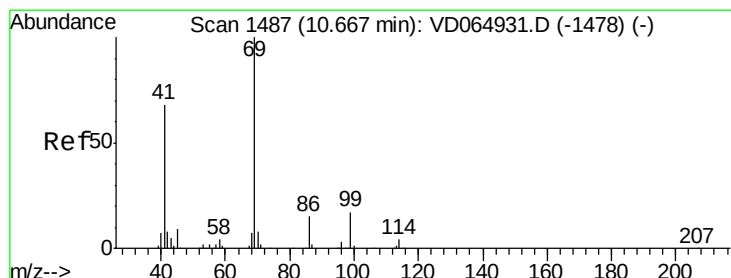
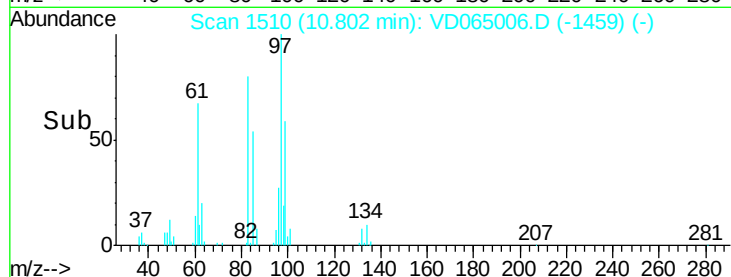
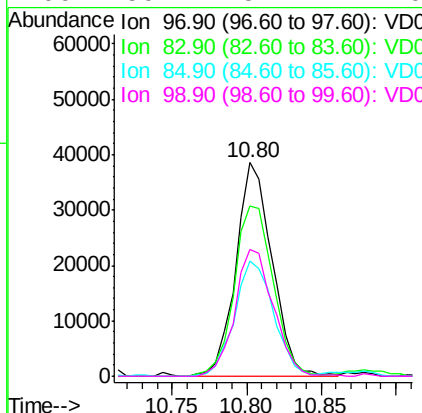
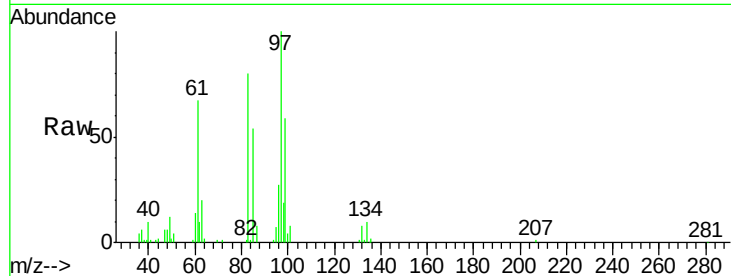
#55
 1,1,2-Trichloroethane
 Concen: 19.726 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion:	97	Resp:	64811
Ion	Ratio	Lower	Upper
97	100		
83	79.8	66.0	99.0
85	54.1	44.4	66.6
99	59.1	51.4	77.0

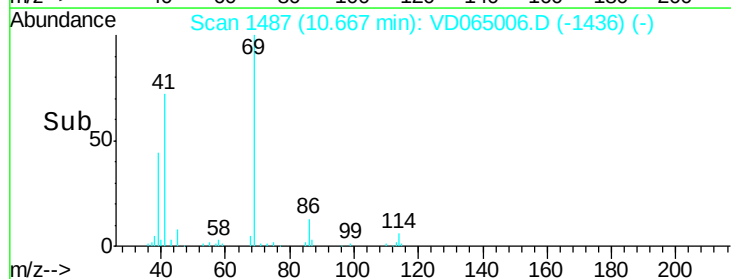
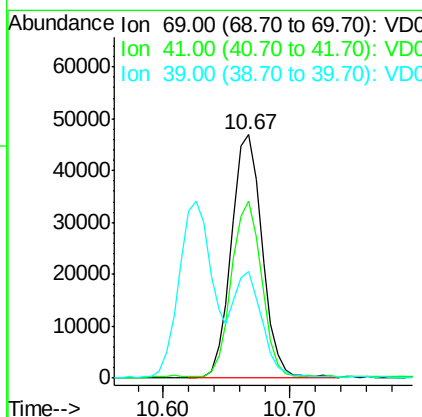
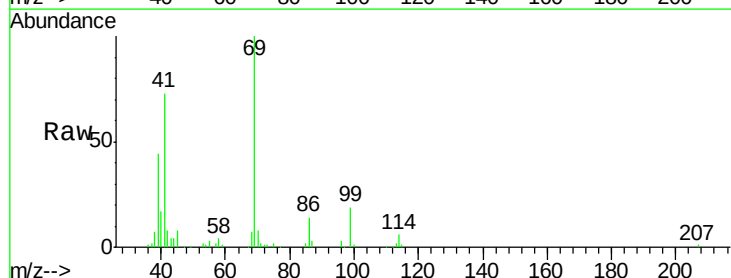
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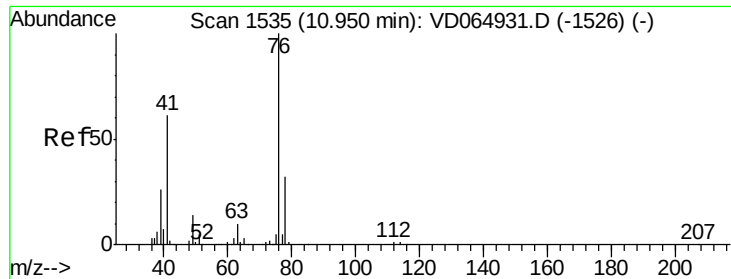
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#56
 Ethyl methacrylate
 Concen: 20.135 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion:	69	Resp:	79108
Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.4	84.6
39	40.3	30.6	46.0





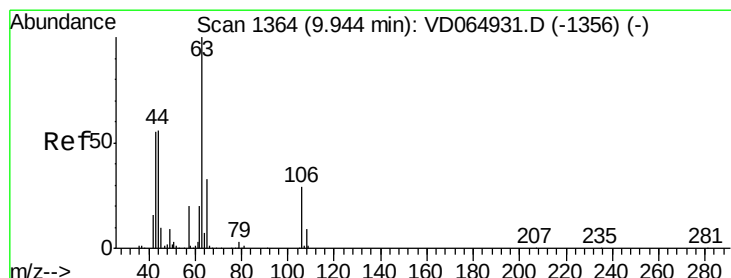
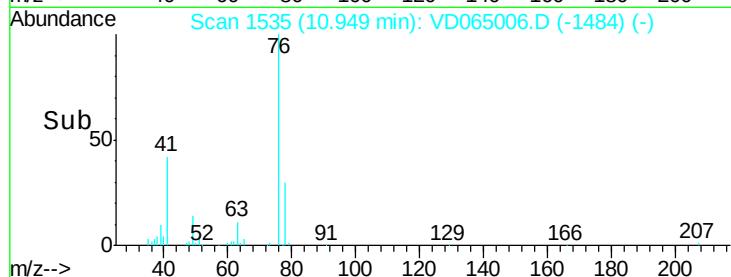
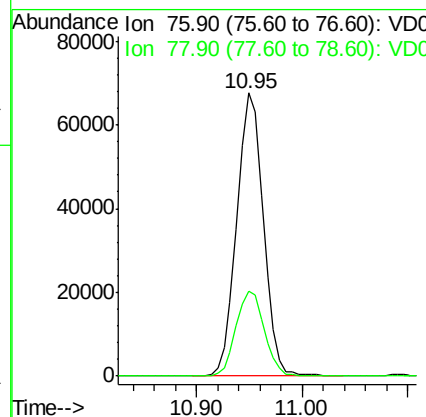
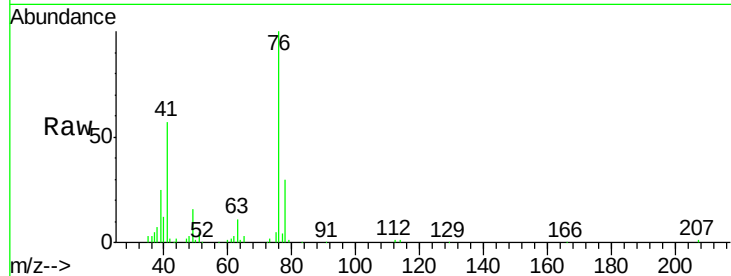
#57
 1,3-Dichloropropane
 Concen: 20.935 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion: 76 Resp: 117975
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.7 38.5

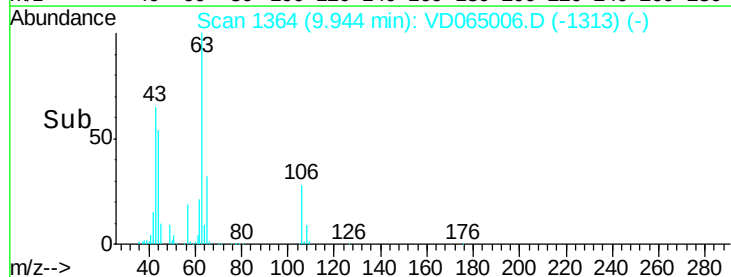
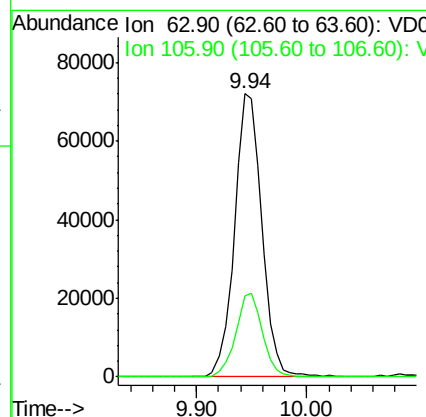
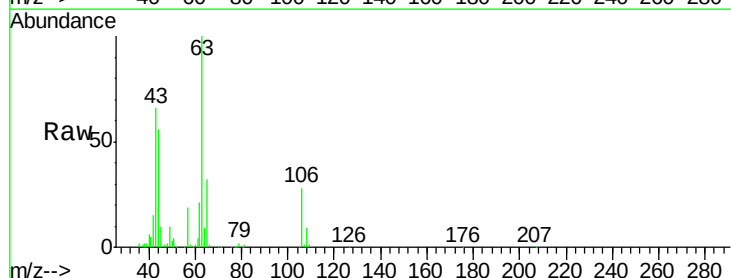
Manual Integrations
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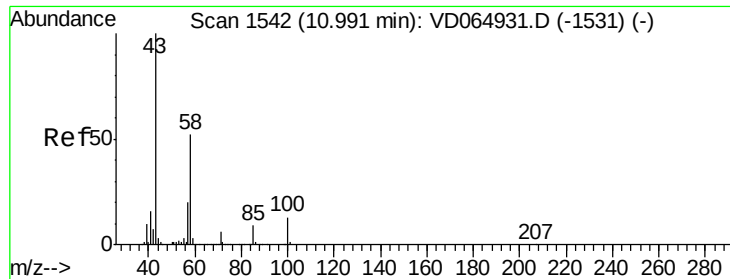
MMDadoda
 1/31/2020 4:25:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.940 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion: 63 Resp: 125229
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.0 34.4





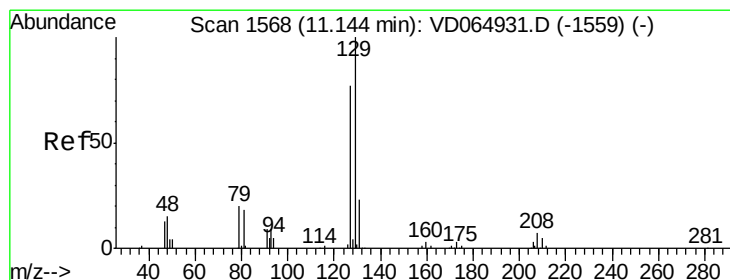
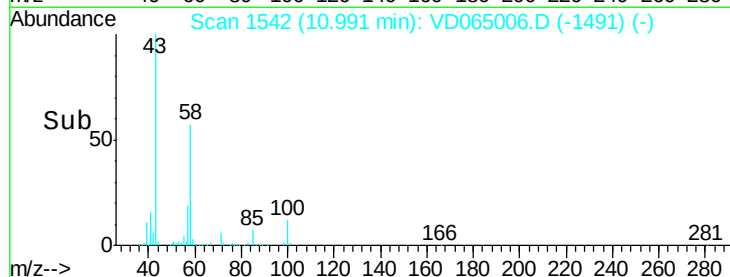
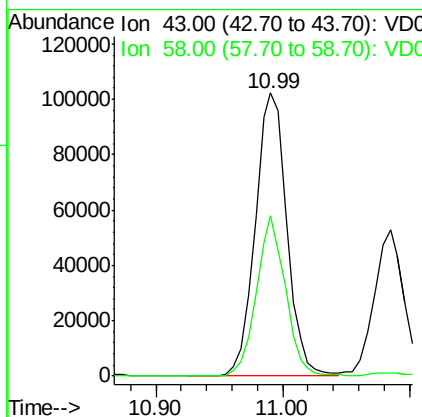
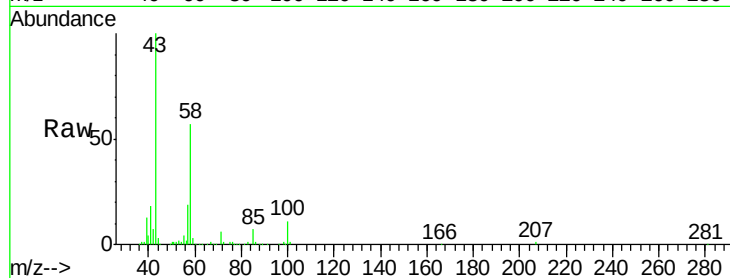
#59
2-Hexanone
Concen: 98.205 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion: 43 Resp: 177951
Ion Ratio Lower Upper
43 100
58 52.0 26.5 79.4

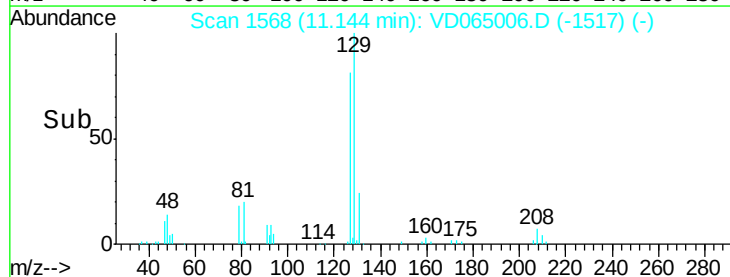
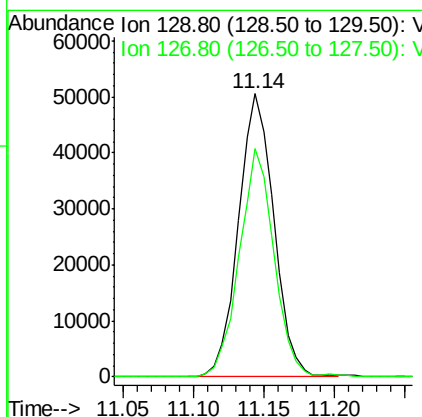
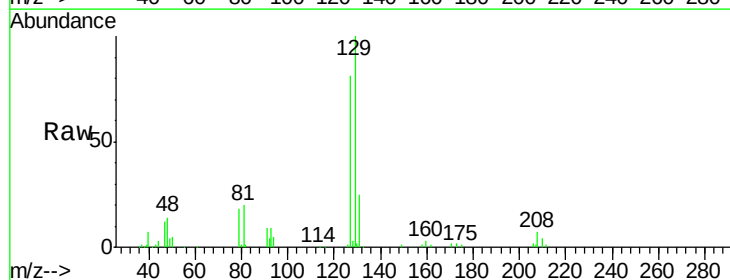
Manual Integrations
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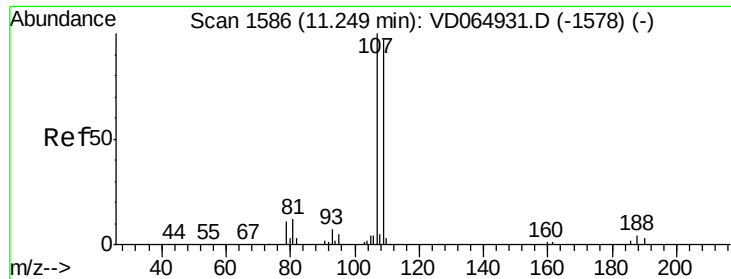
MMDadoda
1/31/2020 4:25:42 PM



#60
Dibromochloromethane
Concen: 20.211 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion: 129 Resp: 88752
Ion Ratio Lower Upper
129 100
127 79.1 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.082 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBSD01

Tot Ion: 107 Resp: 63532

Ion Ratio Lower Upper

107 100

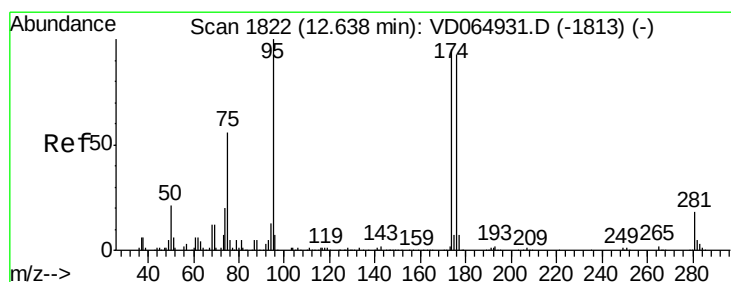
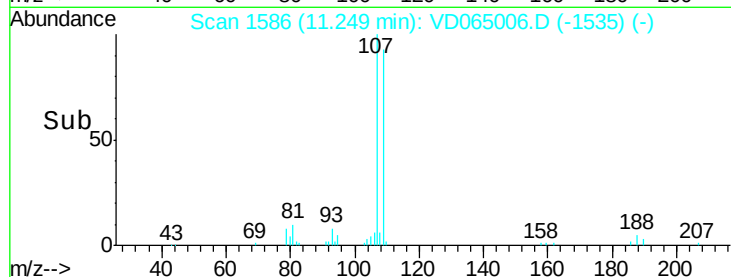
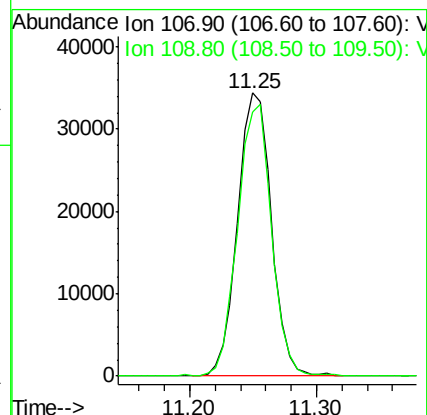
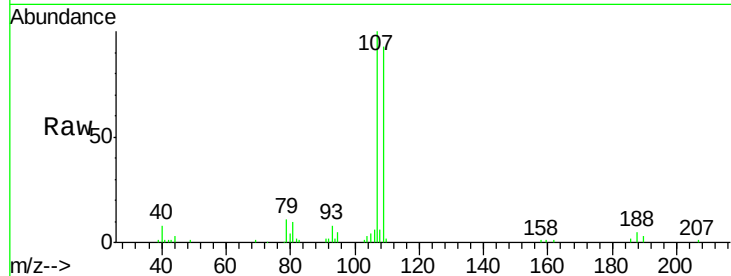
109 95.9 77.1 115.7

Manual Integrations

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MMDadoda

1/31/2020 4:25:42 PM



#62

4-Bromofluorobenzene

Concen: 52.345 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

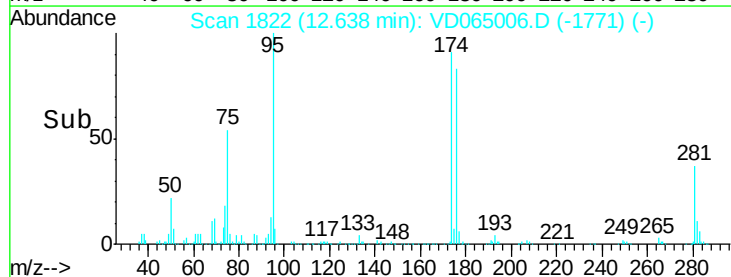
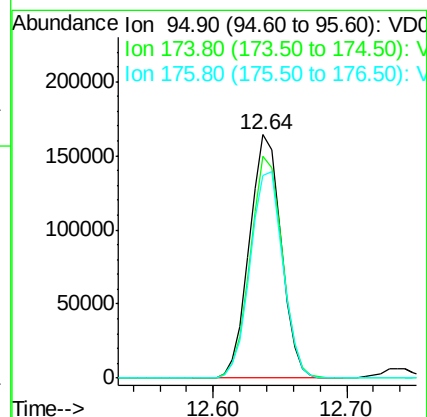
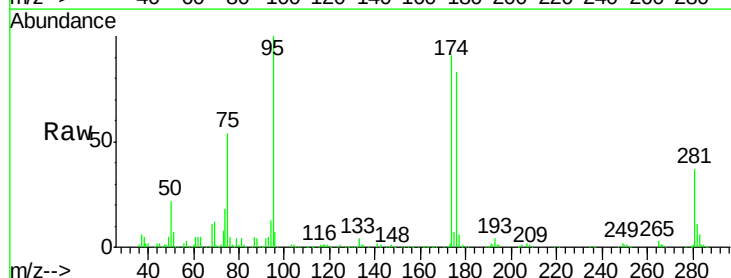
Tgt Ion: 95 Resp: 269606

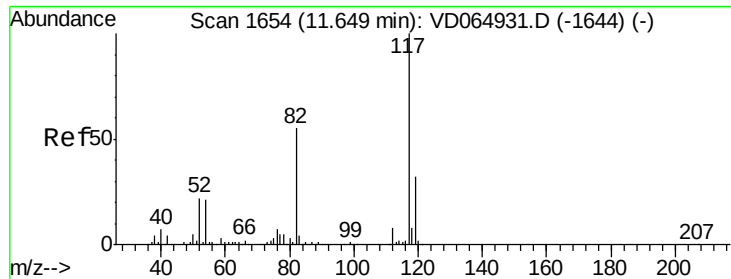
Ion Ratio Lower Upper

95 100

174 91.7 0.0 186.8

176 87.3 0.0 183.4





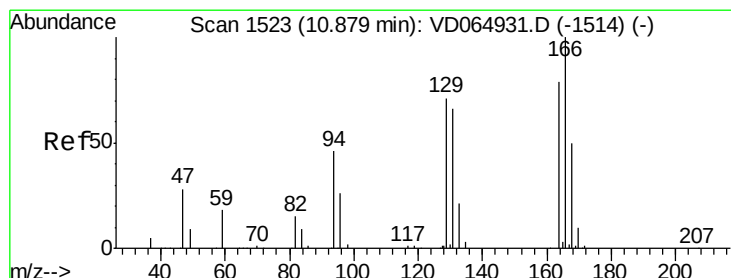
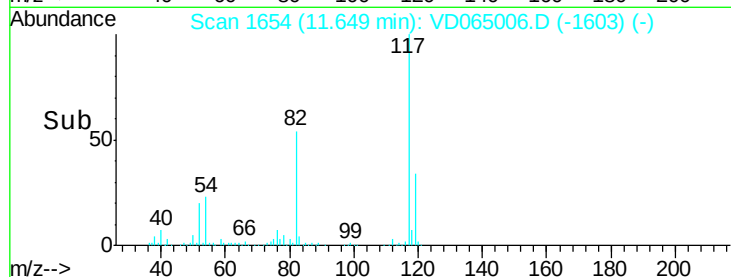
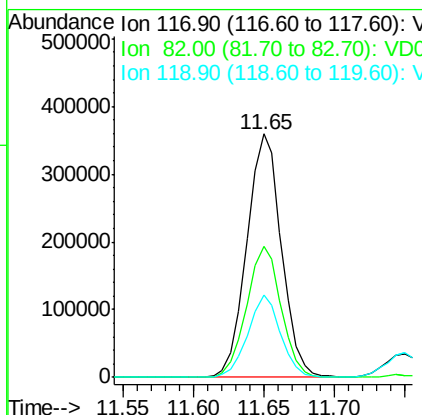
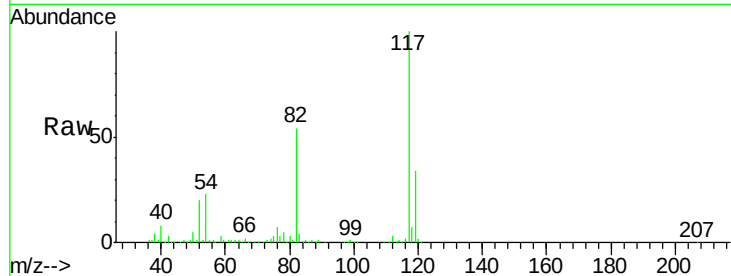
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	43.6	65.4
119	33.8	25.2	37.8

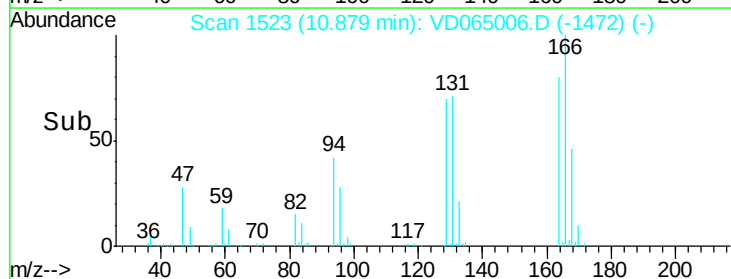
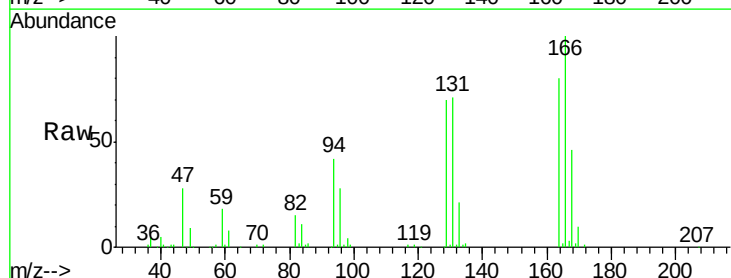
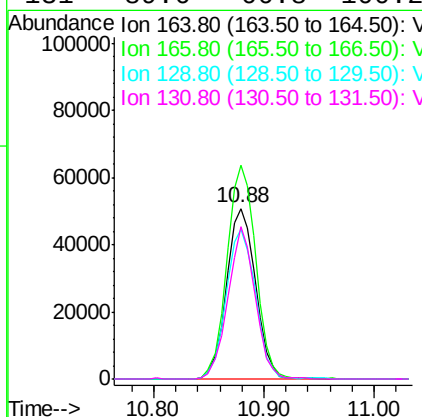
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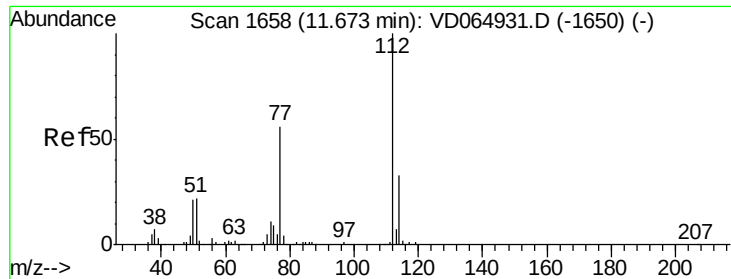
MMDadoda
1/31/2020 4:25:42 PM



#64
Tetrachloroethene
Concen: 20.946 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.3	101.4	152.2
129	87.8	71.8	107.8
131	89.6	66.8	100.2





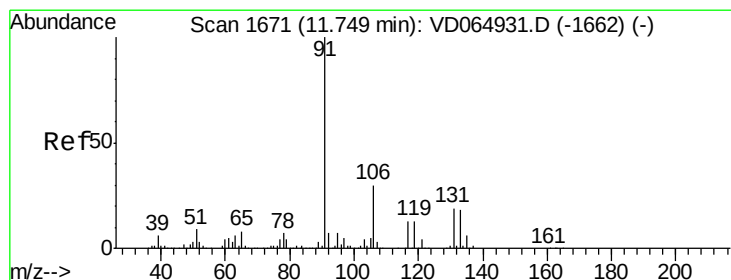
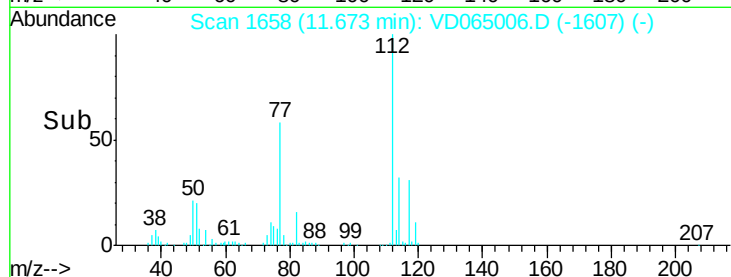
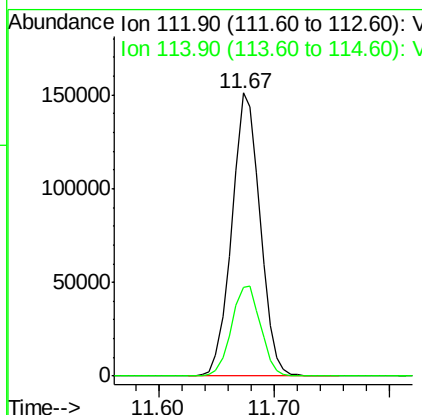
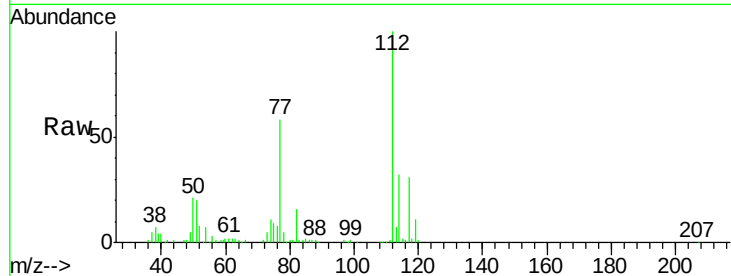
#65
Chlorobenzene
Concen: 20.484 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS001

Tot Ion:112 Resp: 256606
Ion Ratio Lower Upper
112 100
114 31.6 26.2 39.4

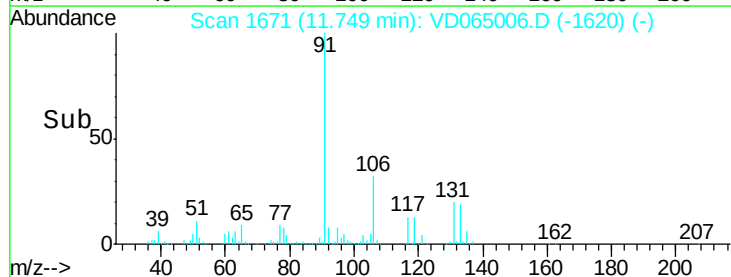
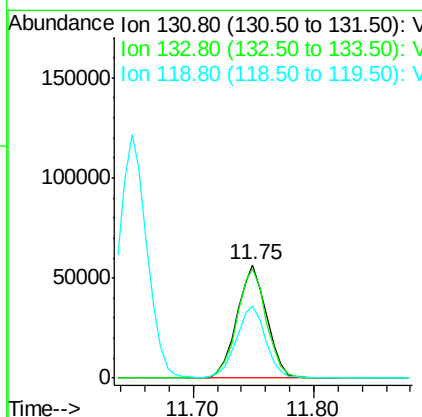
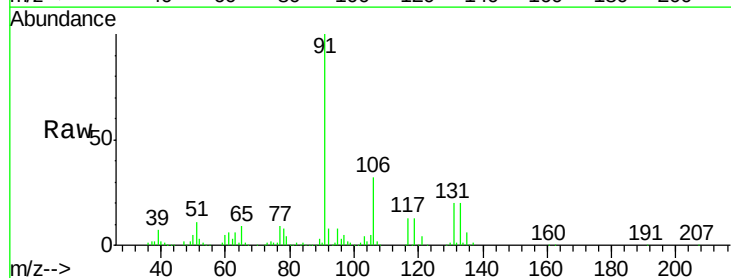
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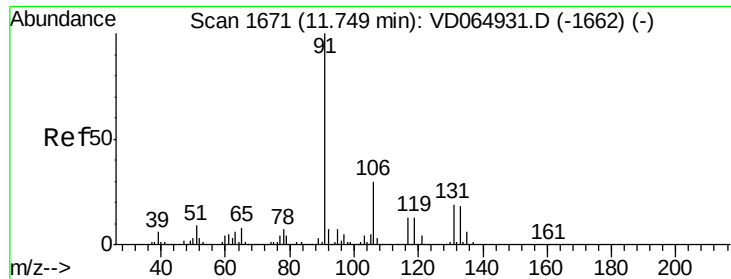
MMDadoda
1/31/2020 4:25:42 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.552 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion:131 Resp: 96823
Ion Ratio Lower Upper
131 100
133 95.9 47.5 142.5
119 62.9 31.1 93.5





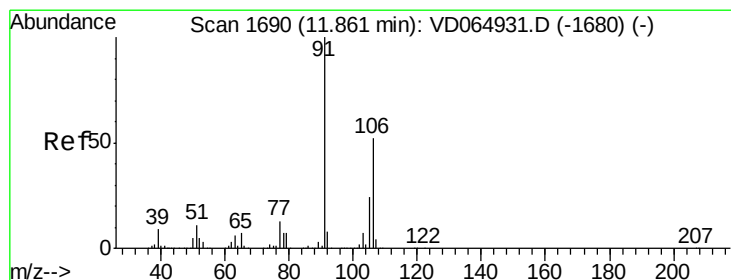
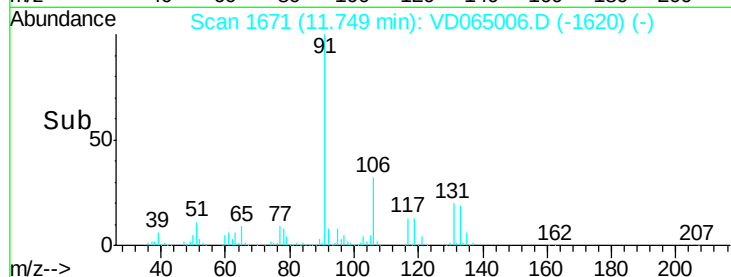
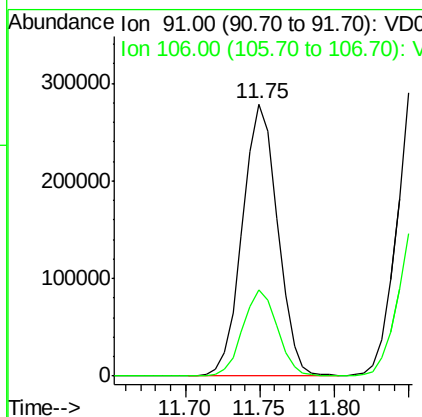
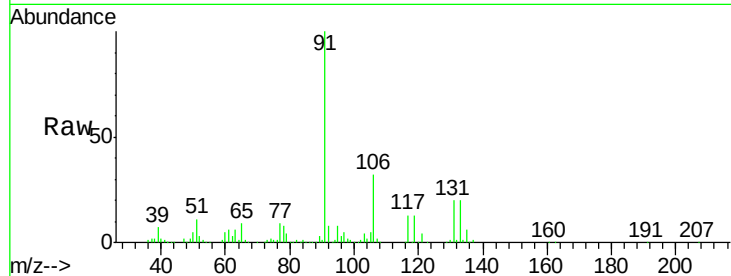
#67
Ethyl Benzene
Concen: 20.499 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.9	24.3	36.5	

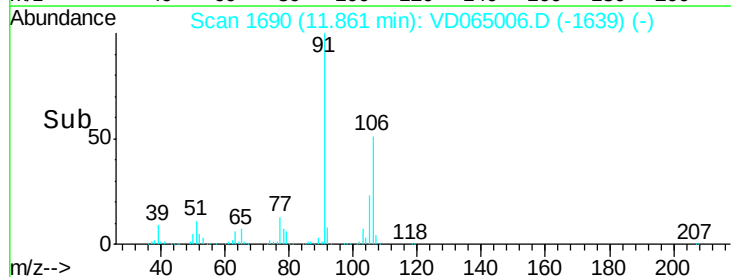
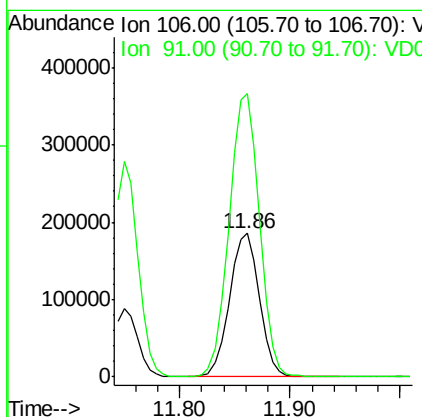
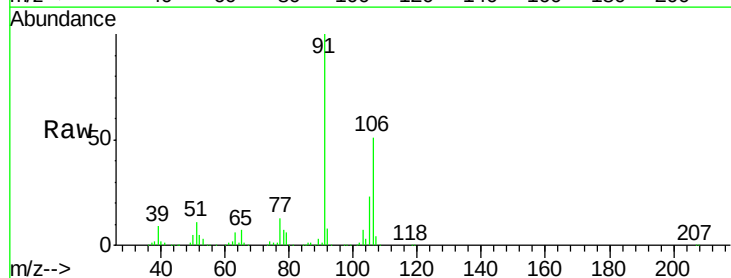
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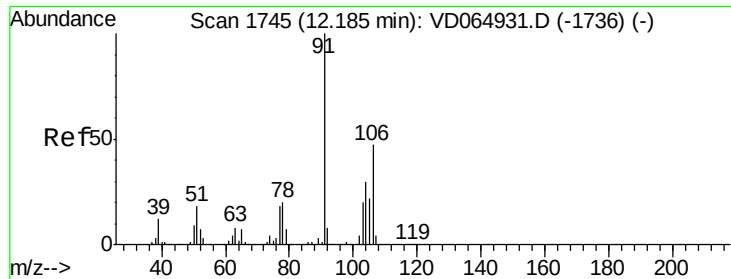
MMDadoda
1/31/2020 4:25:42 PM



#68
m/p-Xylenes
Concen: 41.054 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	200.9	159.0	238.4	





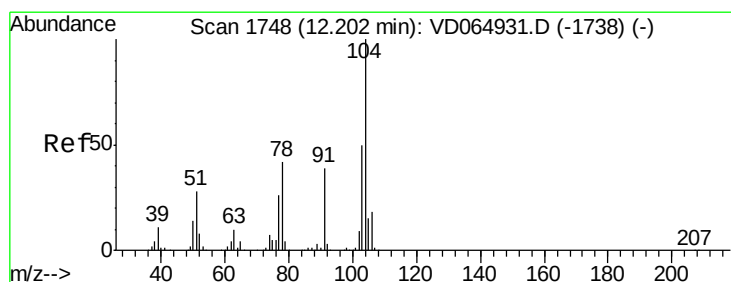
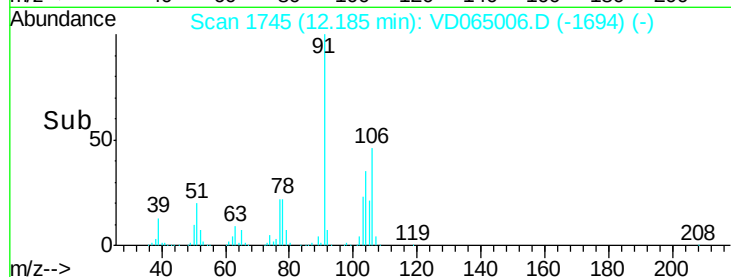
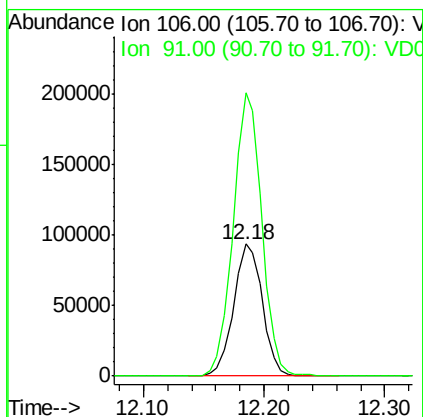
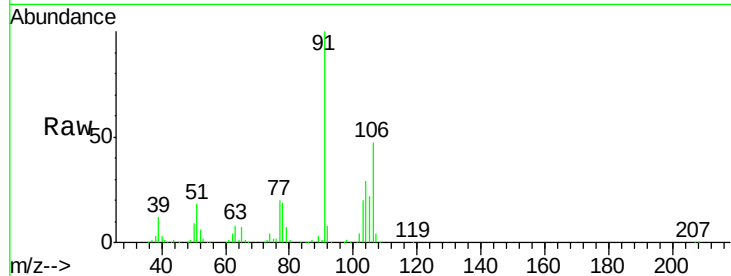
#69
o-Xylene
Concen: 20.369 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion:106 Resp: 154793
Ion Ratio Lower Upper
106 100
91 214.0 106.7 319.9

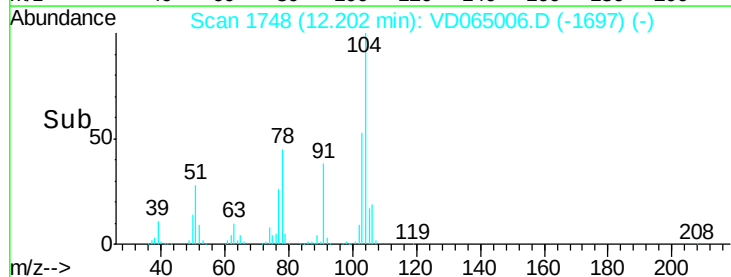
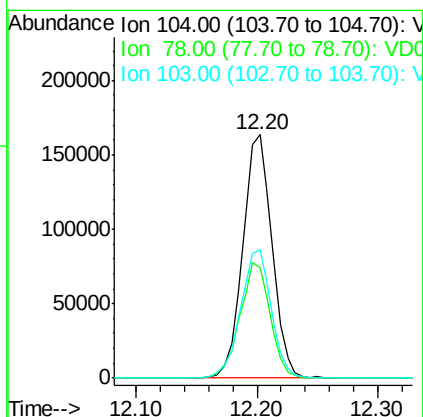
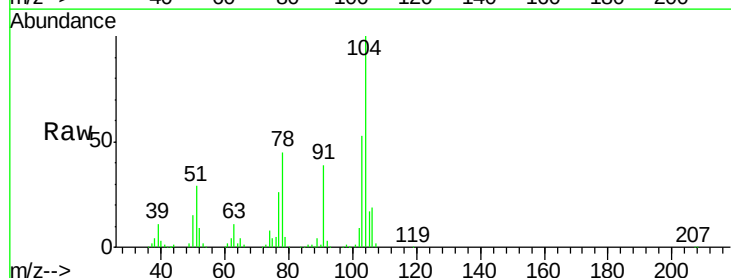
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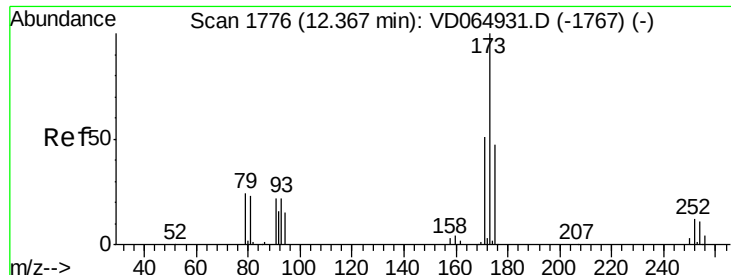
MMDadoda
1/31/2020 4:25:42 PM



#70
Styrene
Concen: 20.452 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion:104 Resp: 276871
Ion Ratio Lower Upper
104 100
78 49.0 38.3 57.5
103 55.8 43.5 65.3





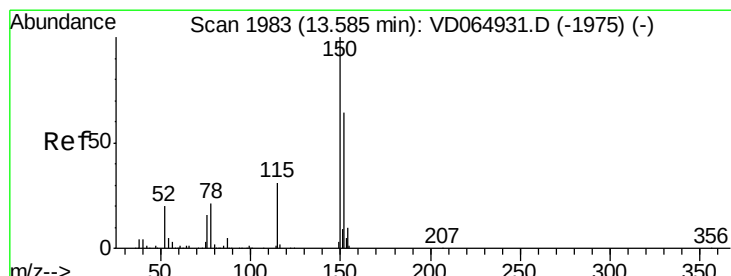
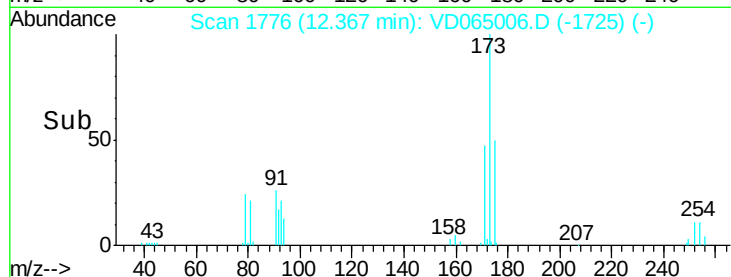
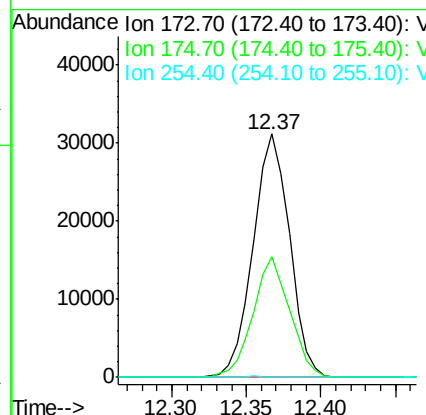
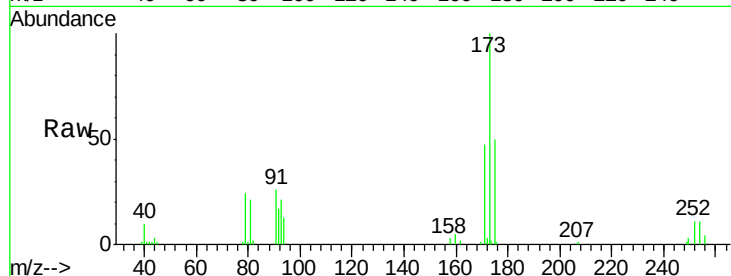
#71
Bromoform
Concen: 20.105 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.6	73.8
254	0.1	0.1	0.1

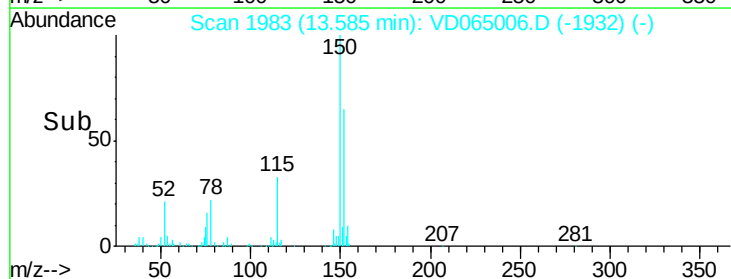
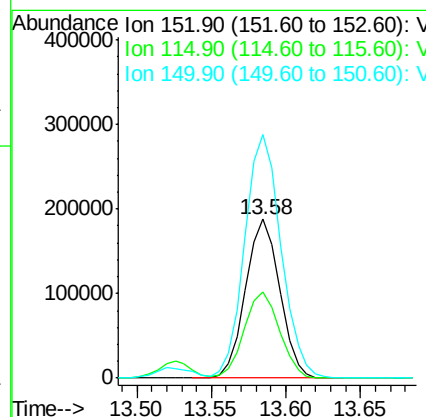
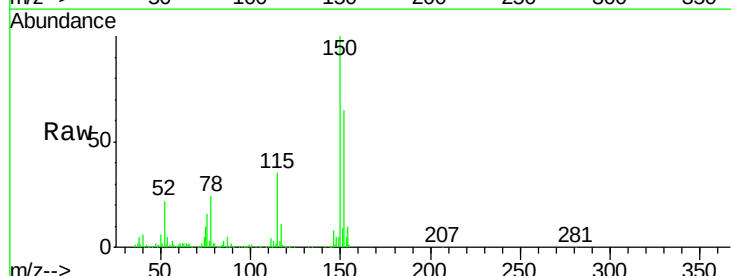
Manual Integrations
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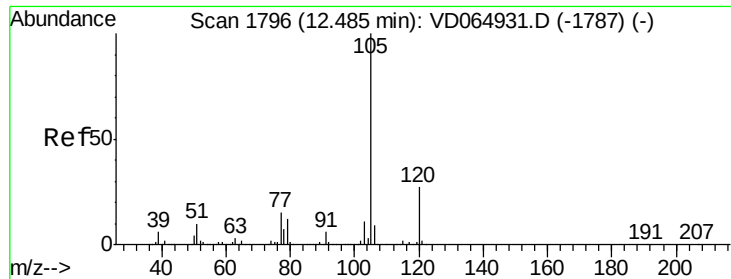
MMDadoda
1/31/2020 4:25:42 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.1	84.4
150	162.9	0.0	350.4





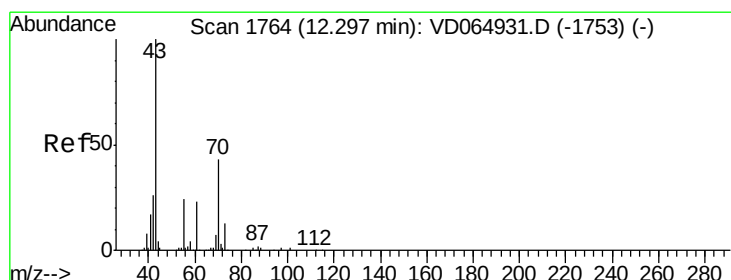
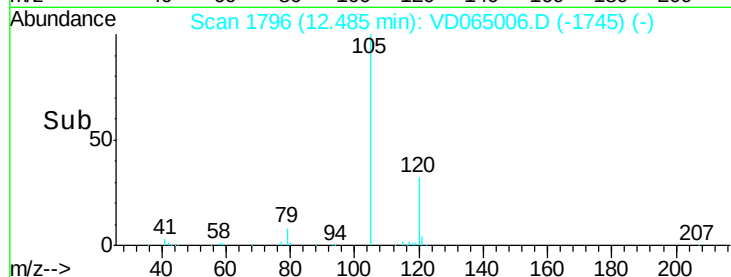
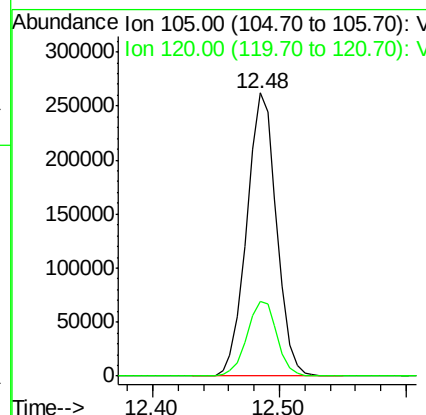
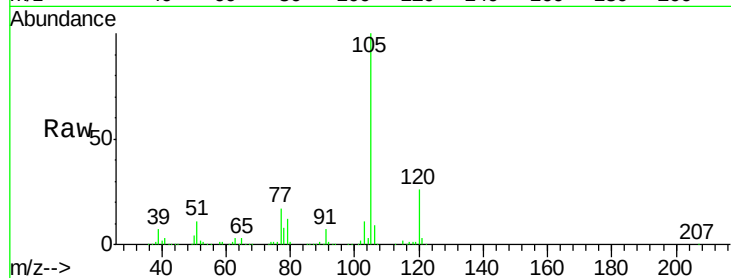
#73
Isopropylbenzene
Concen: 20.908 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.8

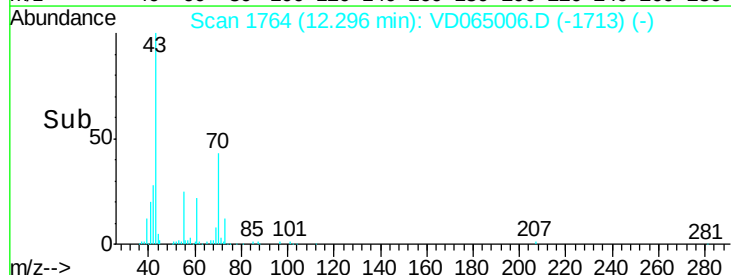
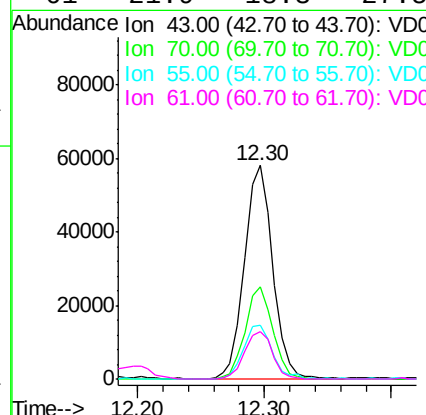
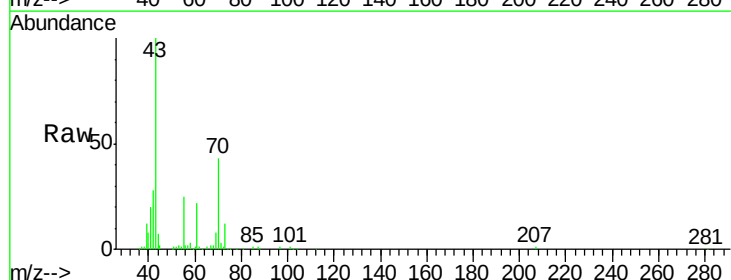
Manual Integrations
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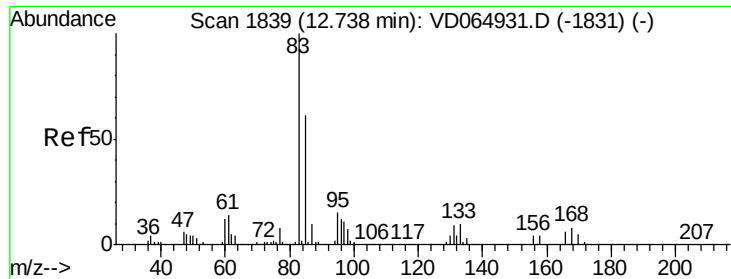
MMDadoda
1/31/2020 4:25:42 PM



#74
N-ethyl acetate
Concen: 19.728 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.9	32.6	49.0
55	25.7	19.9	29.9
61	21.9	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.509 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

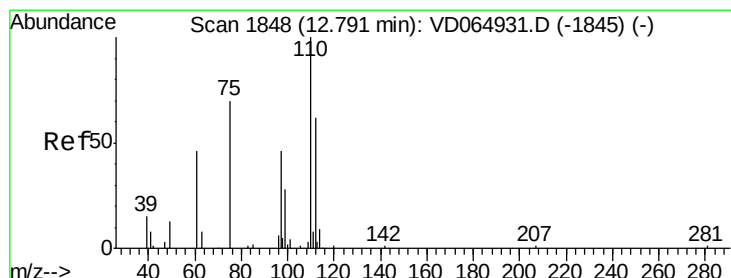
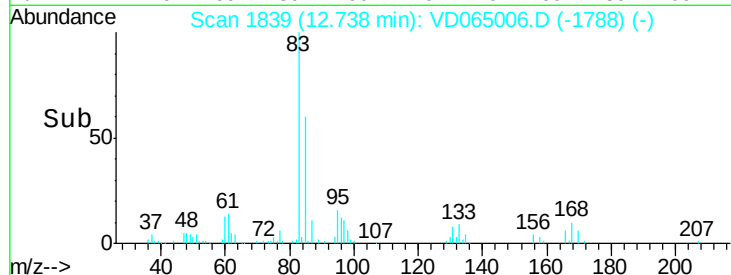
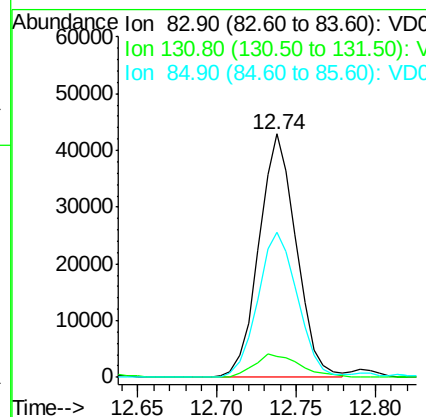
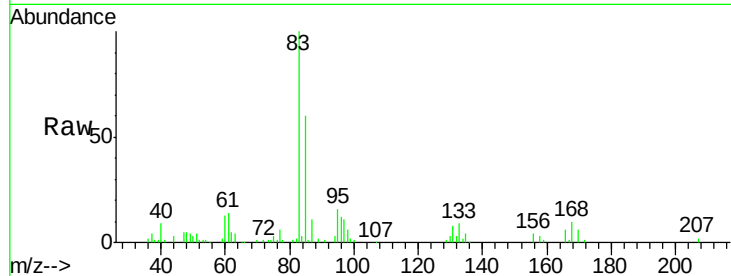
ClientSampleId :

VD0130SBS01

Tot Ion:	83	Resp:	70317
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.5	16.4
85	63.4	31.6	94.7

Manual Integrations
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1/31/2020 4:25:42 PM



#76

1,2,3-Trichloropropane

Concen: 23.533 ug/l m

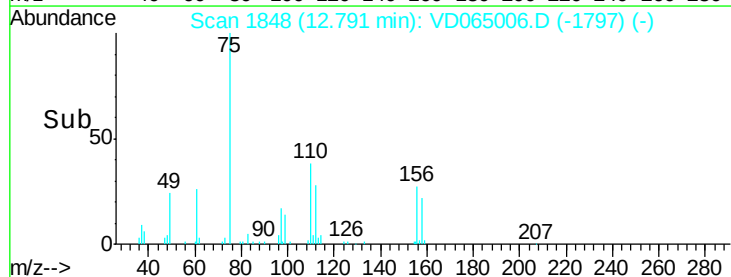
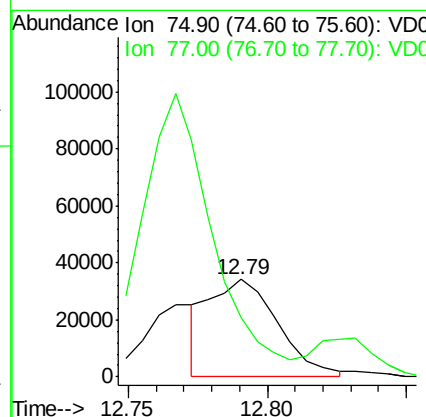
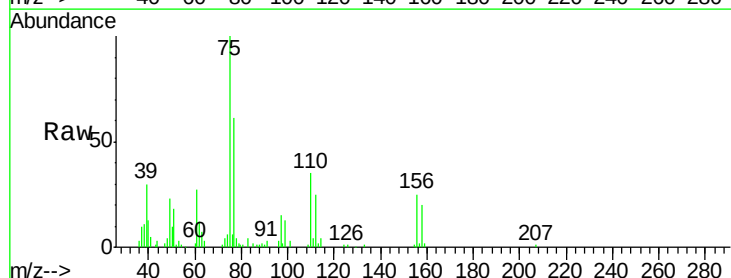
RT: 12.79 min Scan# 1848

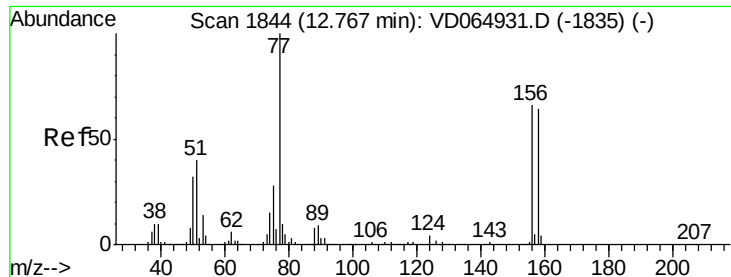
Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Tgt Ion:	75	Resp:	58296
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.862 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

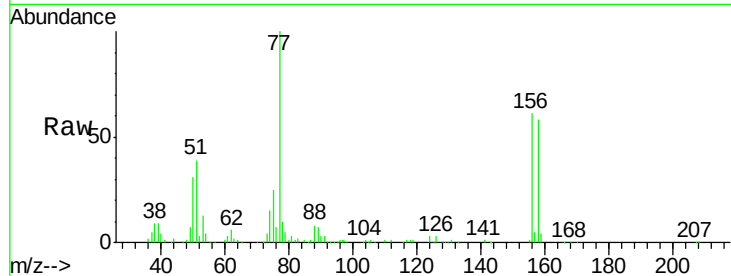
ClientSampleId :

VD0130SBS01

Tot Ion:	156	Resp:	104127
Ion Ratio	Lower	Upper	
156	100		
77	170.5	84.2	252.5
158	97.3	48.1	144.4

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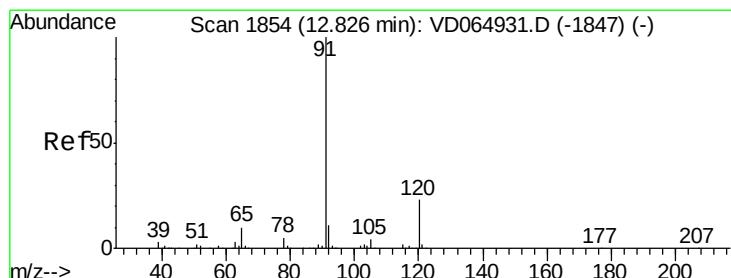
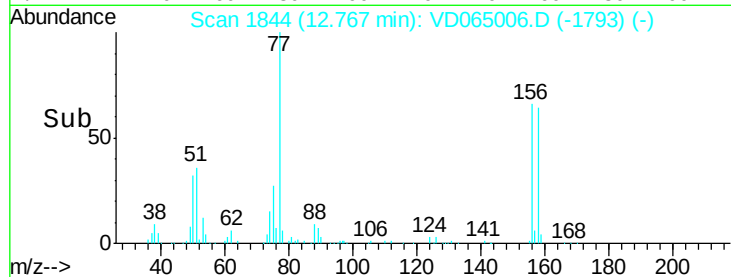
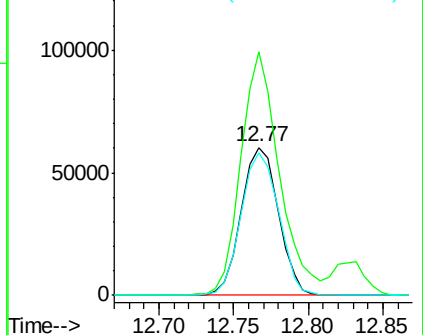
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.121 ug/l

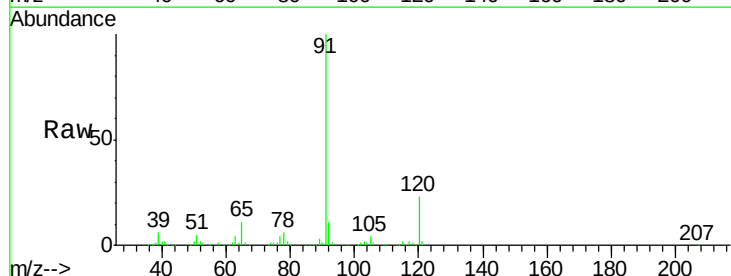
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065006.D

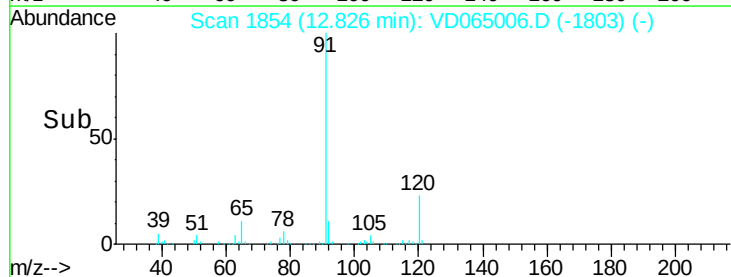
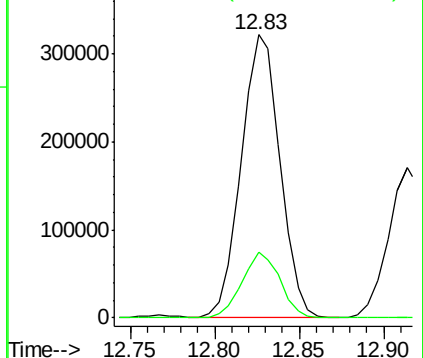
Acq: 30 Jan 2020 11:55

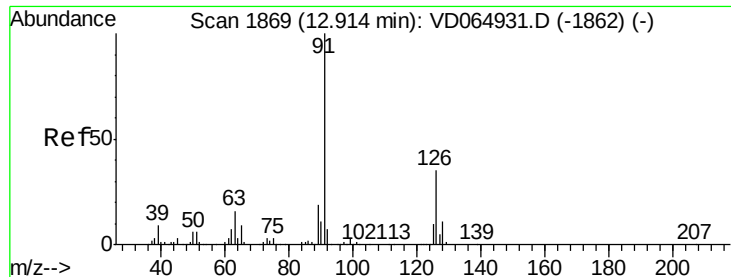
Tgt Ion:	91	Resp:	512390
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.111 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD0130SBS01

Tot Ion: 91 Resp: 280956

Ion Ratio Lower Upper

91 100

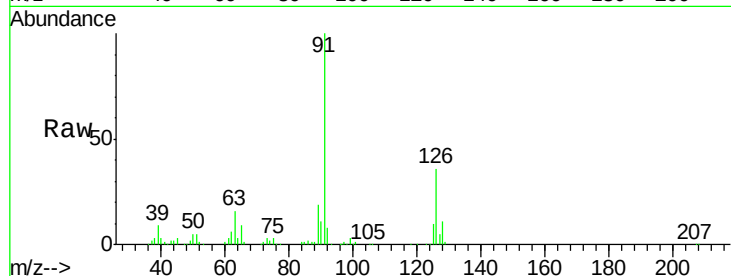
126 35.8 17.9 53.8

Manual Integrations

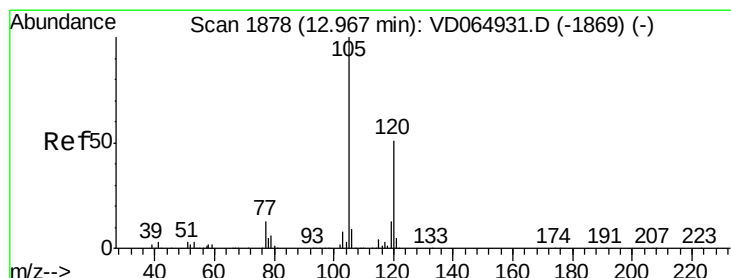
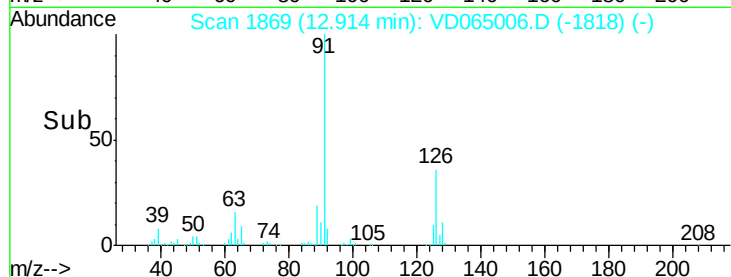
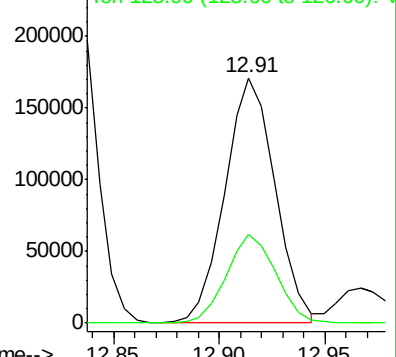
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Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.920 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065006.D

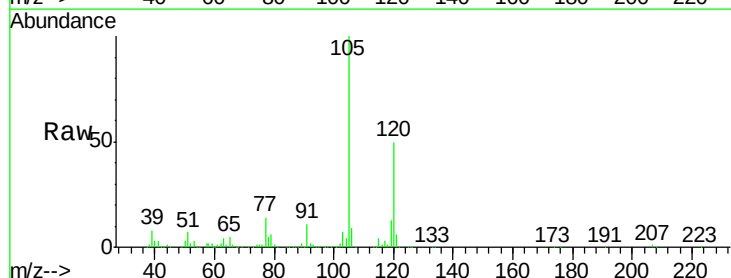
Acq: 30 Jan 2020 11:55

Tgt Ion: 105 Resp: 349717

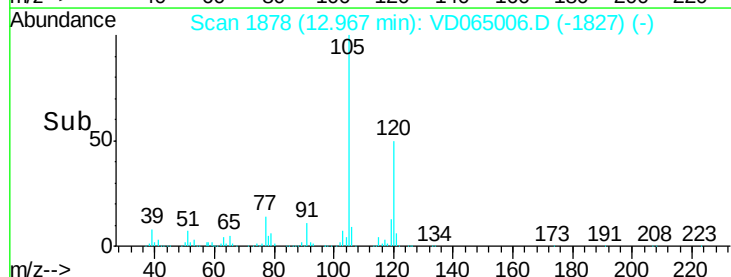
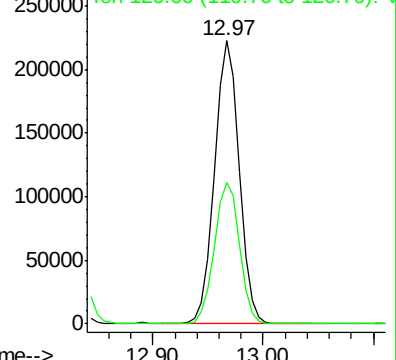
Ion Ratio Lower Upper

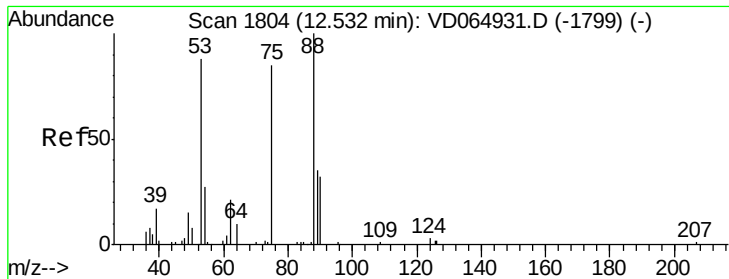
105 100

120 51.2 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.928 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Instrument :

MSVOA_D

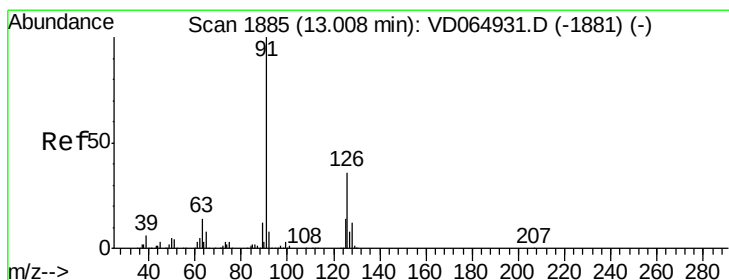
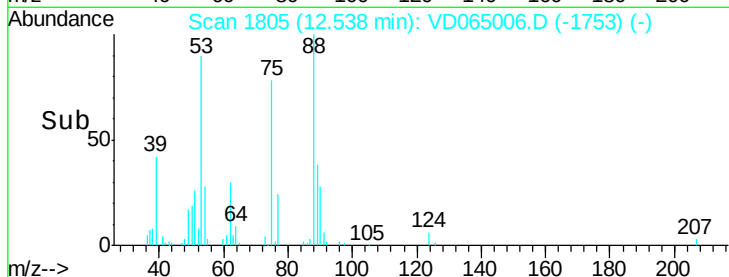
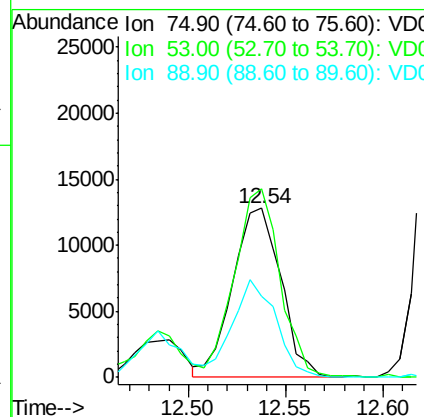
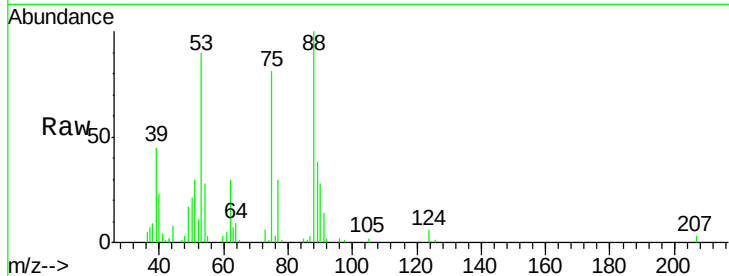
ClientSampleId :

VD0130SBS01

Tot Ion:	75	Resp:	21959
Ion	Ratio	Lower	Upper
75	100		
53	105.7	81.0	121.4
89	51.9	36.2	54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.922 ug/l

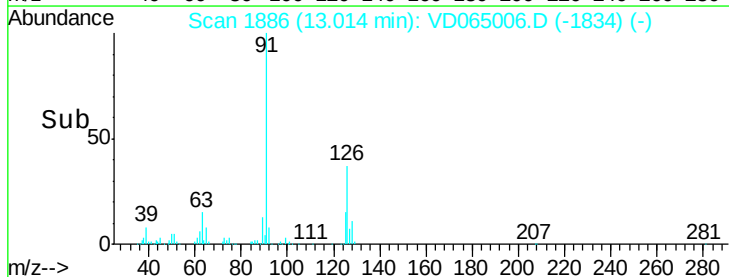
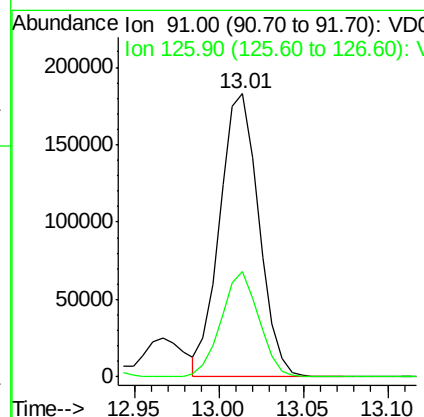
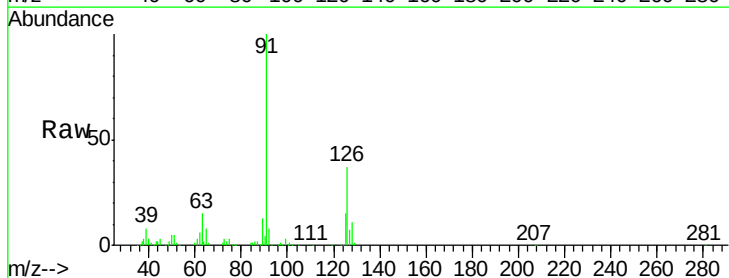
RT: 13.01 min Scan# 1886

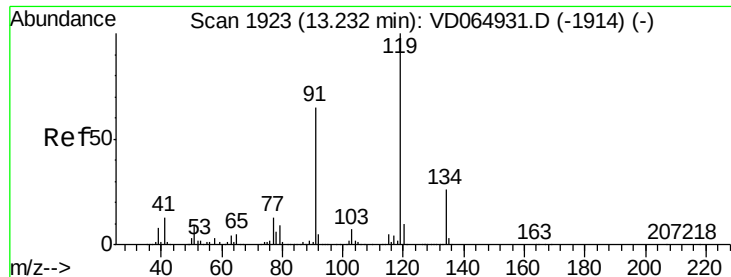
Delta R.T. 0.01 min

Lab File: VD065006.D

Acq: 30 Jan 2020 11:55

Tgt Ion:	91	Resp:	295281
Ion	Ratio	Lower	Upper
91	100		
126	35.9	18.0	54.0





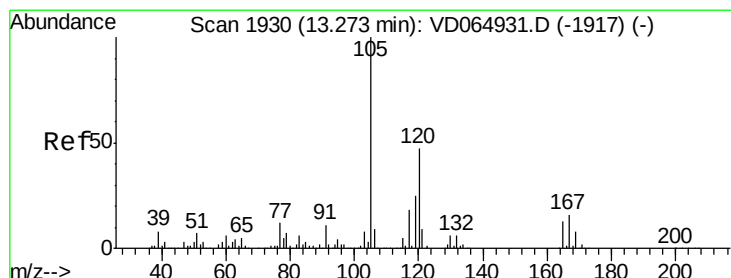
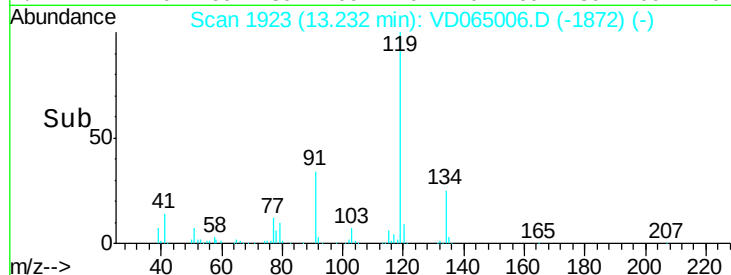
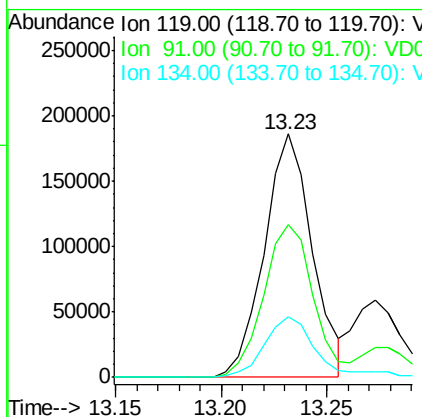
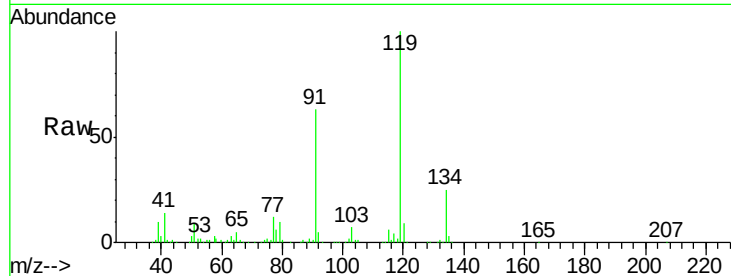
#83
 tert-Butylbenzene
 Concen: 20.720 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	293943		
91	65.6	32.0	96.0	
134	25.1	13.9	41.6	

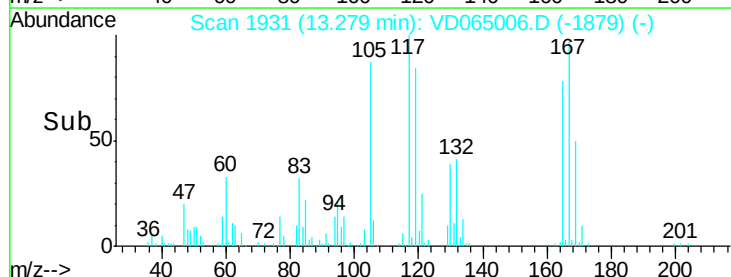
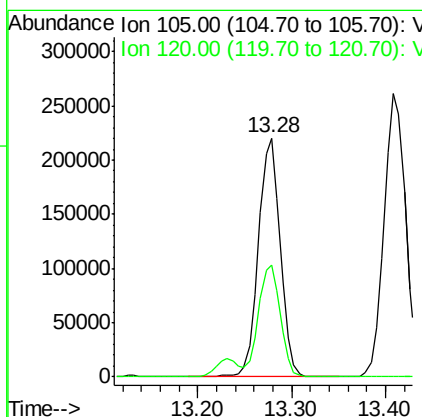
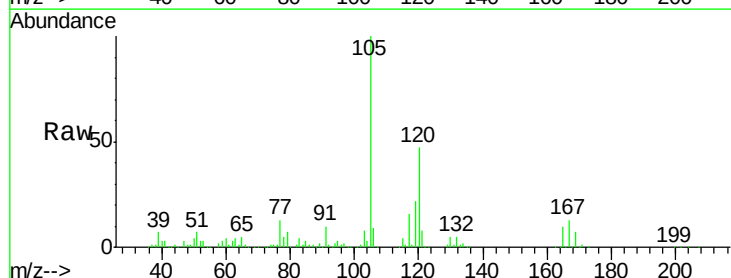
Manual Integrations
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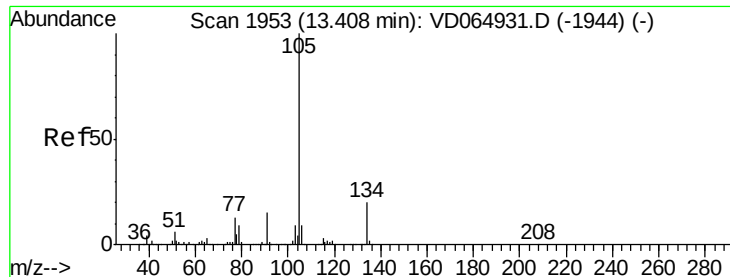
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.971 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	355140		
120	46.4	23.1	69.3	





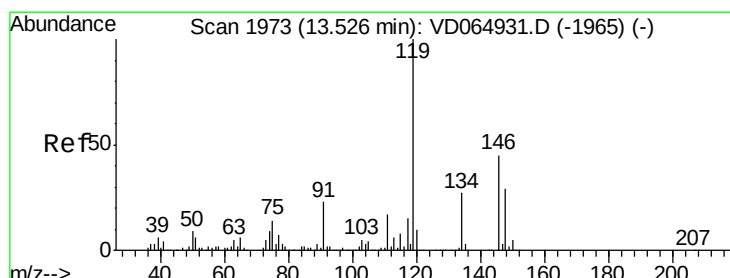
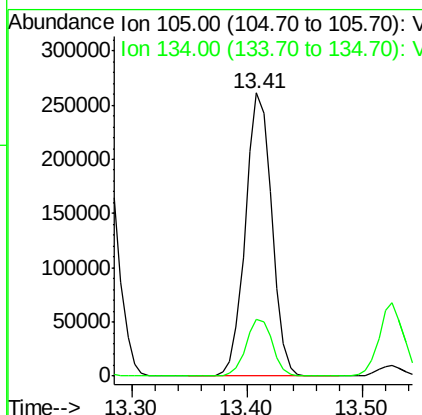
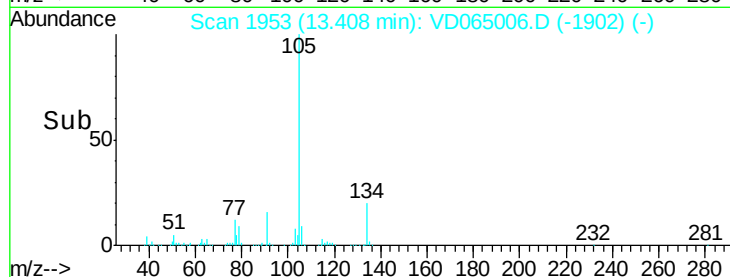
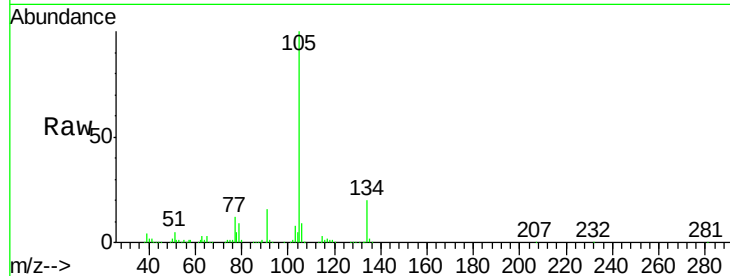
#85
 sec-Butylbenzene
 Concen: 20.661 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.1	10.4	31.4

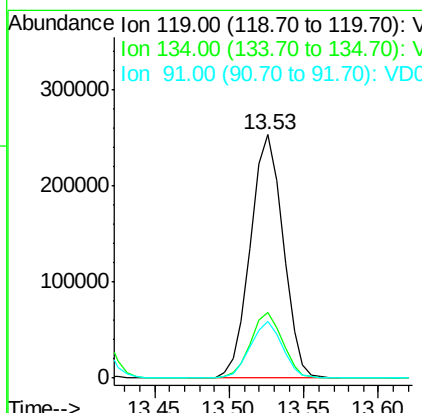
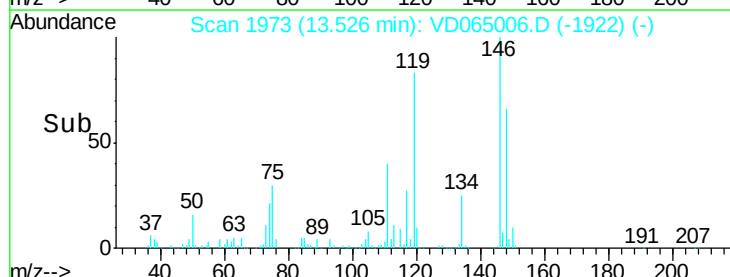
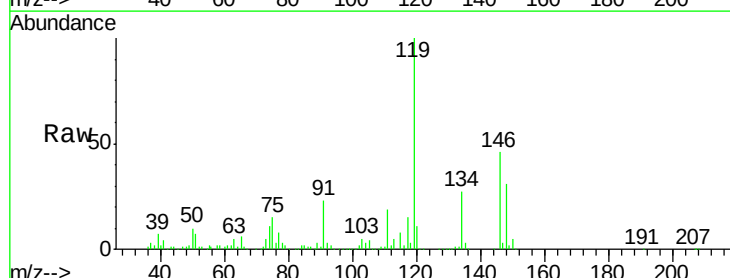
Manual Integrations
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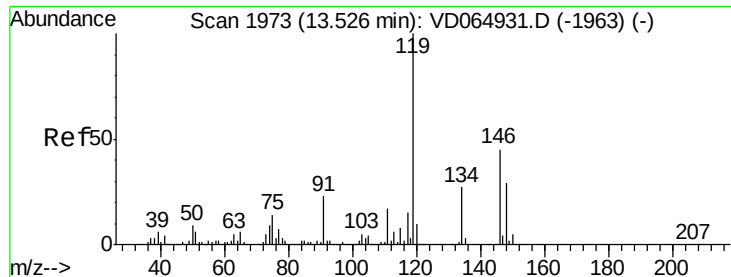
MMDadoda
 1/31/2020 4:25:42 PM



#86
 p-Isopropyltoluene
 Concen: 20.460 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.3	39.9
91	23.0	11.4	34.2





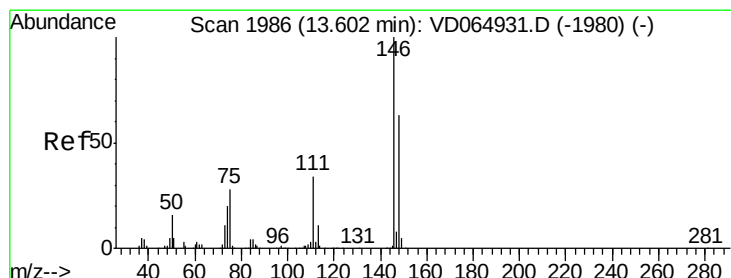
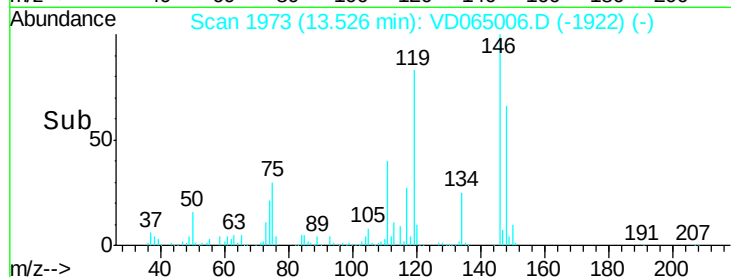
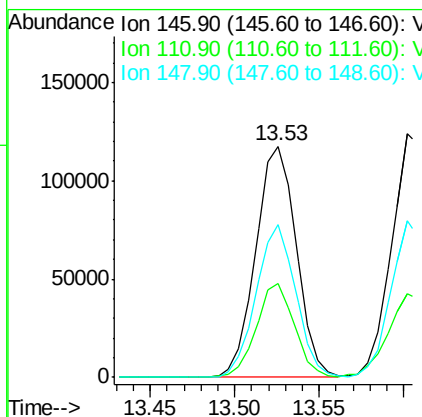
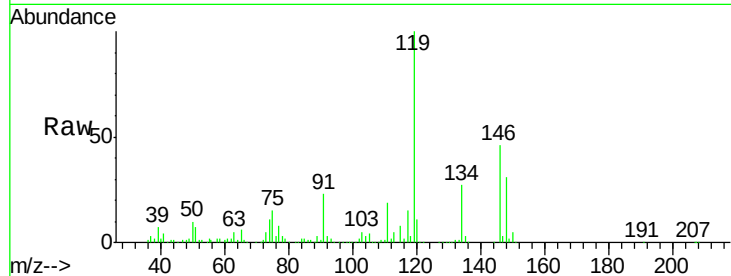
#87
 1,3-Dichlorobenzene
 Concen: 20.564 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	196929		
111	38.1	18.9	56.9	
148	64.2	32.6	97.7	

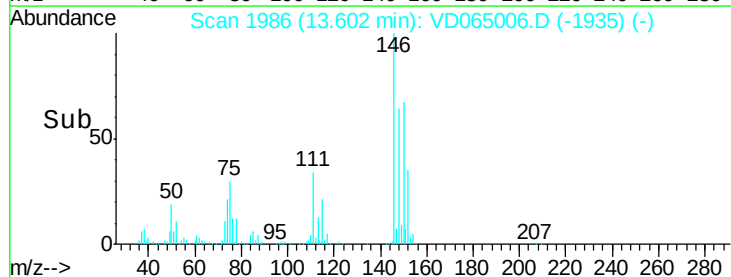
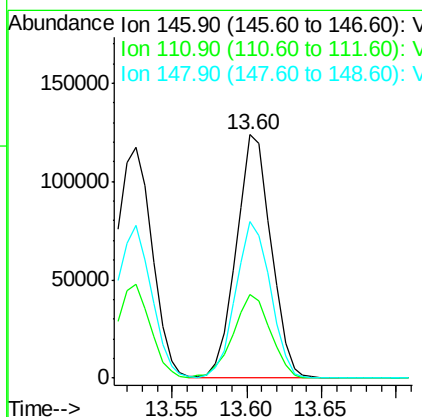
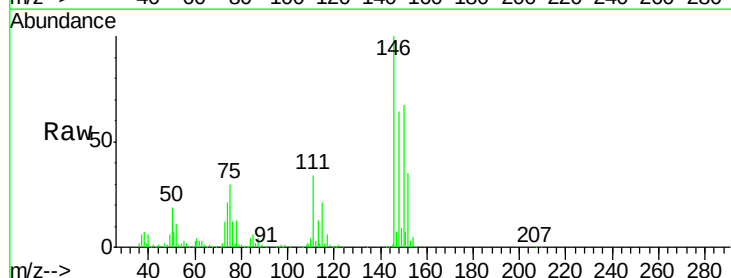
Manual Integrations
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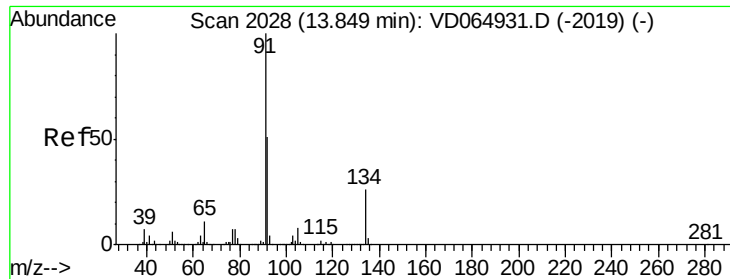
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 1/31/2020 4:25:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.166 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	201180		
111	36.9	18.2	54.6	
148	64.1	32.0	96.0	





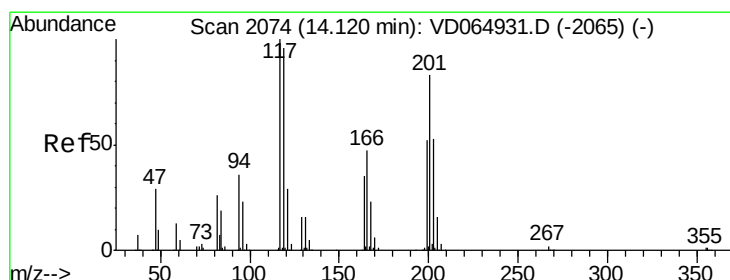
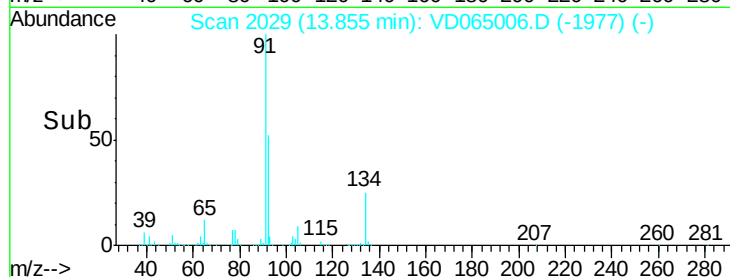
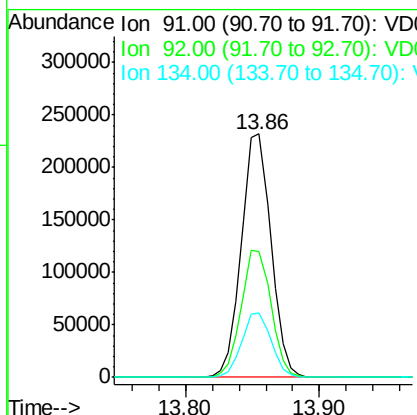
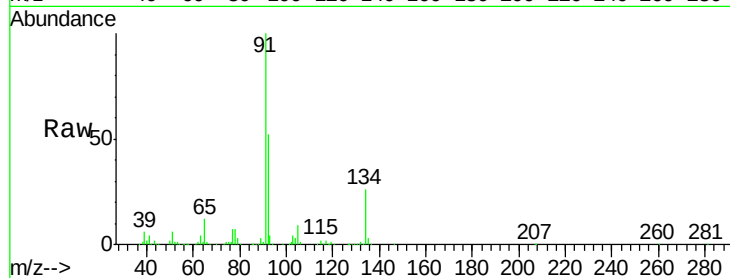
#89
n-Butylbenzene
Concen: 20.742 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.0
134	26.3	13.3	39.9

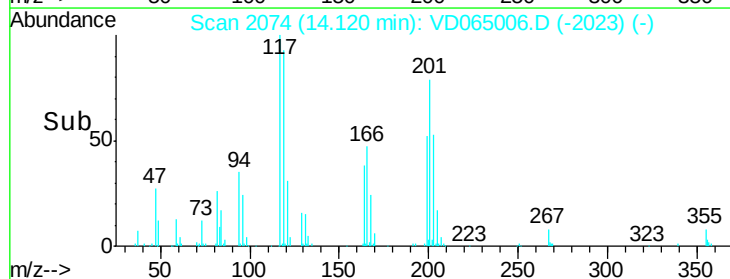
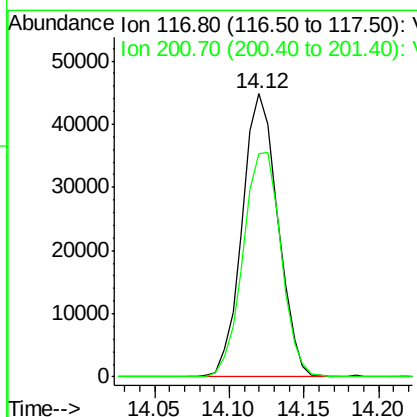
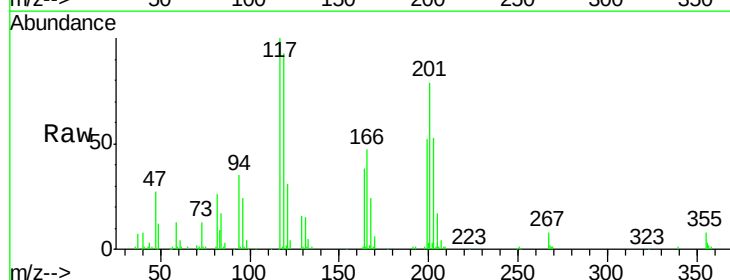
Manual Integrations
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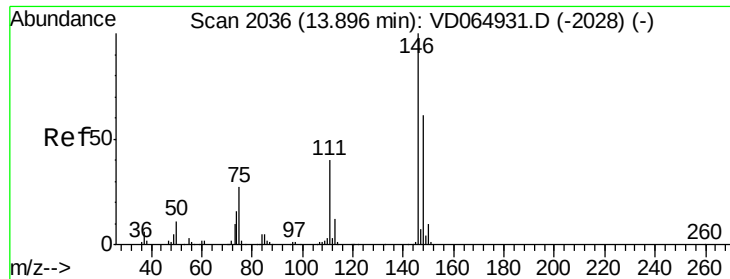
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#90
Hexachloroethane
Concen: 20.483 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	41.1	123.3





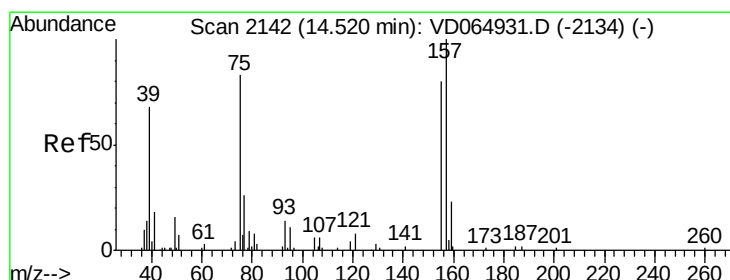
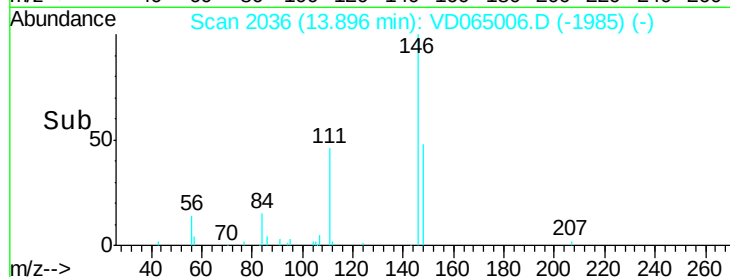
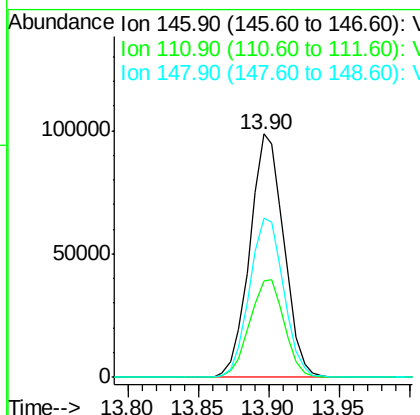
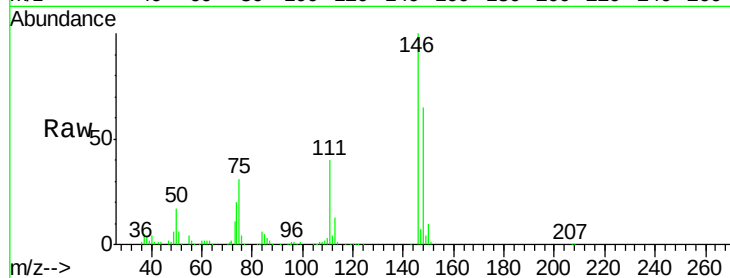
#91
 1,2-Dichlorobenzene
 Concen: 20.510 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	19.4	58.2
148	66.0	31.6	95.0

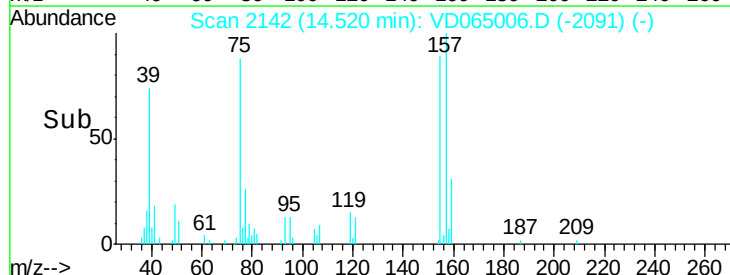
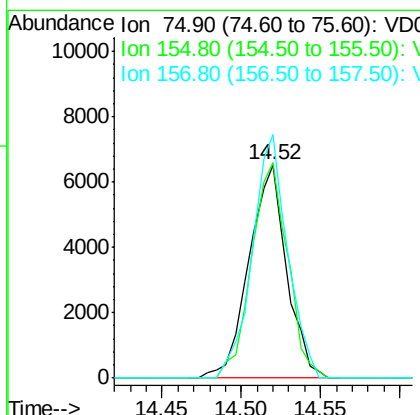
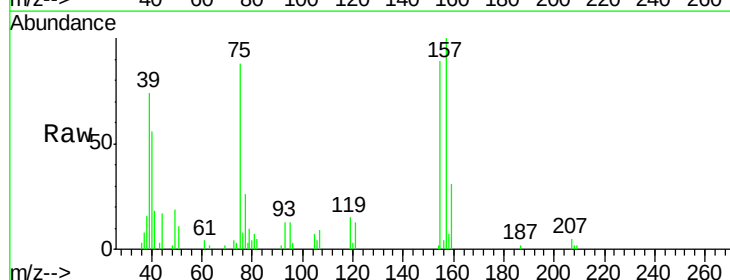
Manual Integrations
 APPROVED

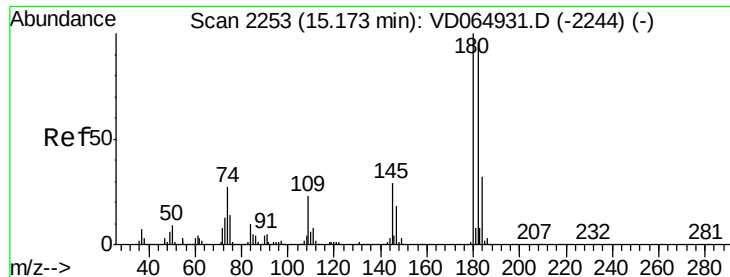
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.669 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	44.9	134.7
157	106.6	58.9	176.6





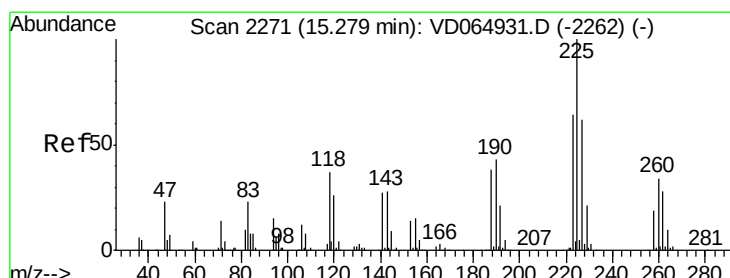
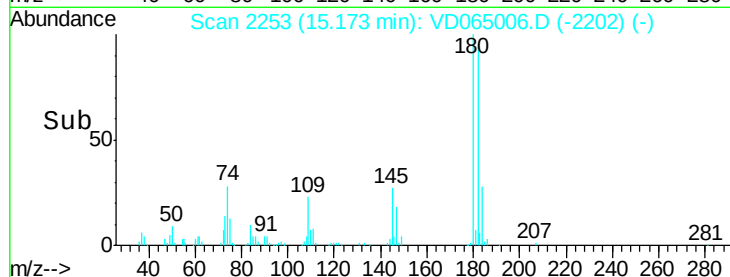
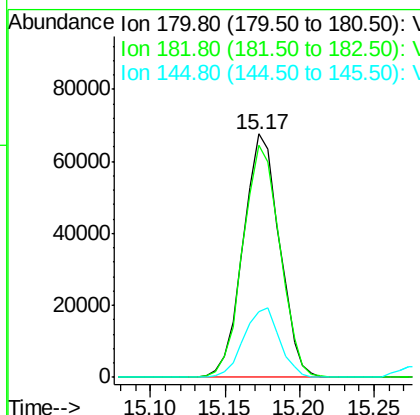
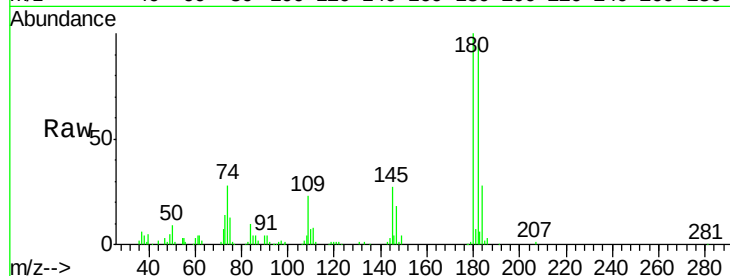
#93
 1,2,4-Trichlorobenzene
 Concen: 20.236 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0130SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113818		
182	97.2	47.1	141.4	
145	28.1	14.1	42.3	

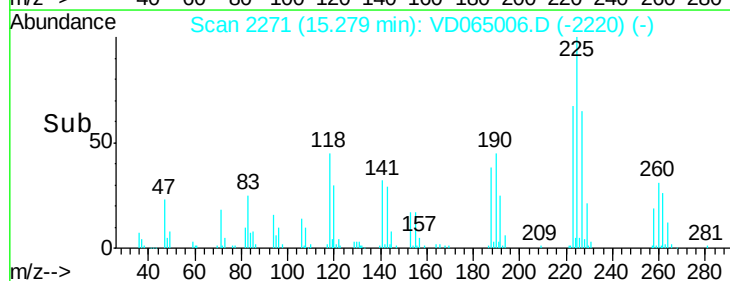
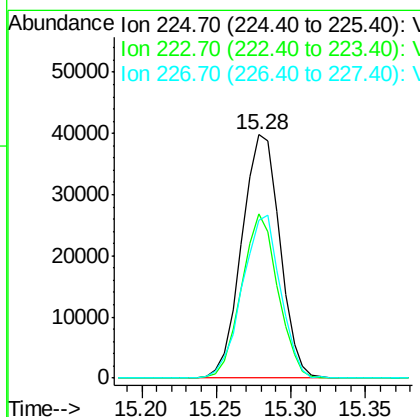
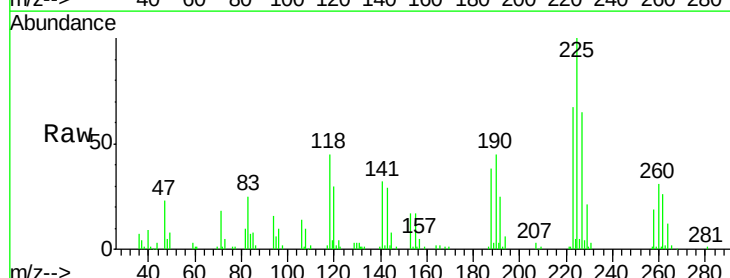
Manual Integrations
 APPROVED

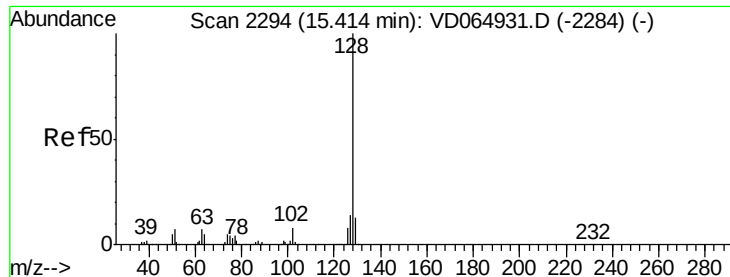
MMDadoda
 1/31/2020 4:25:42 PM



#94
 Hexachlorobutadiene
 Concen: 19.771 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065006.D
 Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70338		
223	64.1	32.4	97.2	
227	66.8	31.9	95.9	





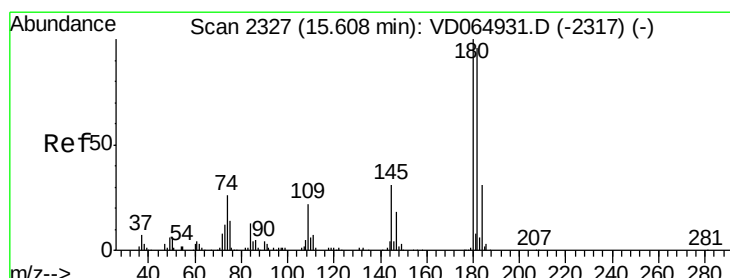
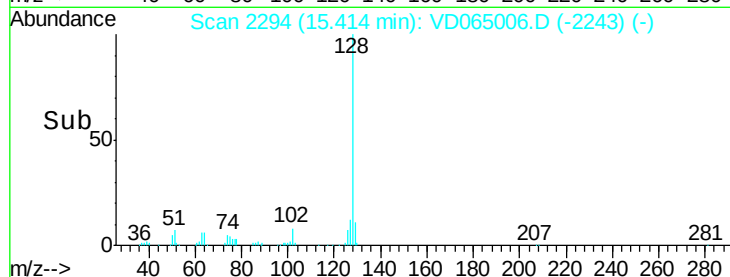
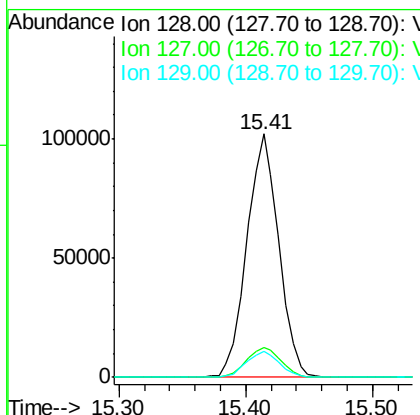
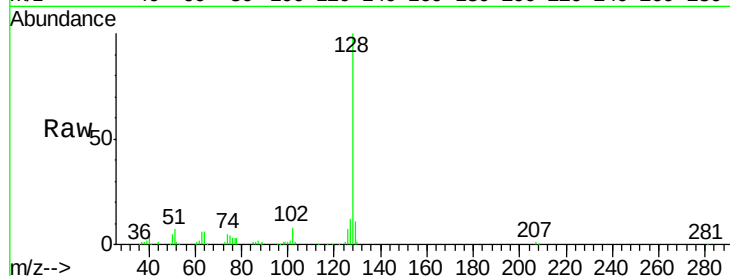
#95
Naphthalene
Concen: 19.642 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD0130SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.0	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.561 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065006.D
Acq: 30 Jan 2020 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.7	47.3	141.8
145	29.4	14.6	43.8

