

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065639.D
 Acq On : 15 Apr 2020 17:51
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV041520

Manual Integrations
 APPROVED

MMDadoda
 4/16/2020 3:13:44 PM

Quant Time: Apr 16 04:01:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 19:43:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	246087	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338748	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	321802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	99304	47.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.88%	
35) Dibromofluoromethane	7.92	113	102776	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	
50) Toluene-d8	10.34	98	381805	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
62) 4-Bromofluorobenzene	12.64	95	125443	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	108925	53.154	ug/l	99
3) Chloromethane	2.21	50	111055	49.659	ug/l	99
4) Vinyl Chloride	2.35	62	119577	49.218	ug/l	100
5) Bromomethane	2.77	94	68603	51.989	ug/l	96
6) Chloroethane	2.93	64	70804	49.019	ug/l	98
7) Trichlorofluoromethane	3.27	101	169524	48.942	ug/l	99
8) Diethyl Ether	3.71	74	35215	49.497	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78262	49.564	ug/l	99
10) Methyl Iodide	4.30	142	91383	37.051	ug/l	98
11) Tert butyl alcohol	5.25	59	26599	243.739	ug/l	99
12) 1,1-Dichloroethene	4.07	96	69978	49.303	ug/l	91
13) Acrolein	3.93	56	23375	252.299	ug/l	98
14) Allyl chloride	4.71	41	169422	59.783	ug/l	91
15) Acrylonitrile	5.43	53	118550	276.703	ug/l	99
16) Acetone	4.16	43	65999	220.444	ug/l	99
17) Carbon Disulfide	4.40	76	288359	46.593	ug/l	99
18) Methyl Acetate	4.72	43	60679	55.077	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	228284	56.797	ug/l	99
20) Methylene Chloride	4.96	84	122304	62.244	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	124825	54.426	ug/l	93
22) Diisopropyl ether	6.37	45	353073	53.898	ug/l	97
23) Vinyl Acetate	6.31	43	961645	250.230	ug/l	100
24) 1,1-Dichloroethane	6.27	63	209953	50.728	ug/l	98
25) 2-Butanone	7.22	43	138766	248.408	ug/l	100
26) 2,2-Dichloropropane	7.21	77	173433	48.078	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	131022	51.495	ug/l	98
28) Bromochloromethane	7.55	49	83837	50.720	ug/l	98
29) Tetrahydrofuran	7.57	42	93500	263.793	ug/l	99
30) Chloroform	7.71	83	214133	50.553	ug/l	100
31) Cyclohexane	7.98	56	191446	48.560	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	191454	50.270	ug/l	99
36) 1,1-Dichloropropene	8.11	75	170027	51.982	ug/l	99
37) Ethyl Acetate	7.30	43	70981	54.416	ug/l	98
38) Carbon Tetrachloride	8.10	117	179248	51.160	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	199789	52.489	ug/l	97
40) Benzene	8.36	78	488639	51.959	ug/l	98
41) Methacrylonitrile	7.53	41	38668m	59.853	ug/l	
42) 1,2-Dichloroethane	8.43	62	136442	52.939	ug/l	99
43) Isopropyl Acetate	8.46	43	121687	51.805	ug/l	97
44) Trichloroethene	9.11	130	133941	50.880	ug/l	98
45) 1,2-Dichloropropane	9.39	63	120360	52.149	ug/l	99
46) Dibromomethane	9.48	93	63195	52.947	ug/l	99
47) Bromodichloromethane	9.67	83	167600	52.733	ug/l	98
48) Methyl methacrylate	9.46	41	59651	47.561	ug/l	93
49) 1,4-Dioxane	9.47	88	14200	978.330	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	325701	248.409	ug/l	100
52) Toluene	10.41	92	310957	53.637	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	153935	52.748	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	187383	53.054	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	87876	52.054	ug/l	99
56) Ethyl methacrylate	10.67	69	102446	48.581	ug/l	99
57) 1,3-Dichloropropane	10.95	76	152022	52.884	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	241823	239.040	ug/l	99
59) 2-Hexanone	10.99	43	219971	244.430	ug/l	98
60) Dibromochloromethane	11.14	129	117436	52.817	ug/l	99
61) 1,2-Dibromoethane	11.25	107	84891	52.260	ug/l	99
64) Tetrachloroethene	10.88	164	117200	50.758	ug/l	98
65) Chlorobenzene	11.67	112	331374	52.010	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	124604	51.151	ug/l	99
67) Ethyl Benzene	11.75	91	576931	52.984	ug/l	97
68) m/p-Xylenes	11.86	106	456567	108.534	ug/l	99
69) o-Xylene	12.18	106	200298	54.266	ug/l	99
70) Styrene	12.20	104	365158	55.891	ug/l	100
71) Bromoform	12.37	173	71107	51.958	ug/l #	99
73) Isopropylbenzene	12.48	105	544478	54.092	ug/l	100
74) N-amyl acetate	12.30	43	113639	48.281	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	93524	51.171	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	74419m	55.459	ug/l	
77) Bromobenzene	12.77	156	138580	51.844	ug/l	98
78) n-propylbenzene	12.83	91	651661	53.516	ug/l	99
79) 2-Chlorotoluene	12.91	91	369955	53.500	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	455722	53.649	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	31987	52.243	ug/l	98
82) 4-Chlorotoluene	13.01	91	388608	52.223	ug/l	99
83) tert-Butylbenzene	13.23	119	381327	53.540	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	463665	54.751	ug/l	100
85) sec-Butylbenzene	13.41	105	544292	53.416	ug/l	100
86) p-Isopropyltoluene	13.53	119	513573	53.705	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	270240	51.636	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	265427	50.953	ug/l	98
89) n-Butylbenzene	13.86	91	463798	53.437	ug/l	100
90) Hexachloroethane	14.12	117	100905	50.314	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	233786	52.097	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	13926	50.383	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	162410	52.619	ug/l	98
94) Hexachlorobutadiene	15.28	225	108397	51.220	ug/l	99
95) Naphthalene	15.41	128	248538	47.237	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	143291	52.621	ug/l	99

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

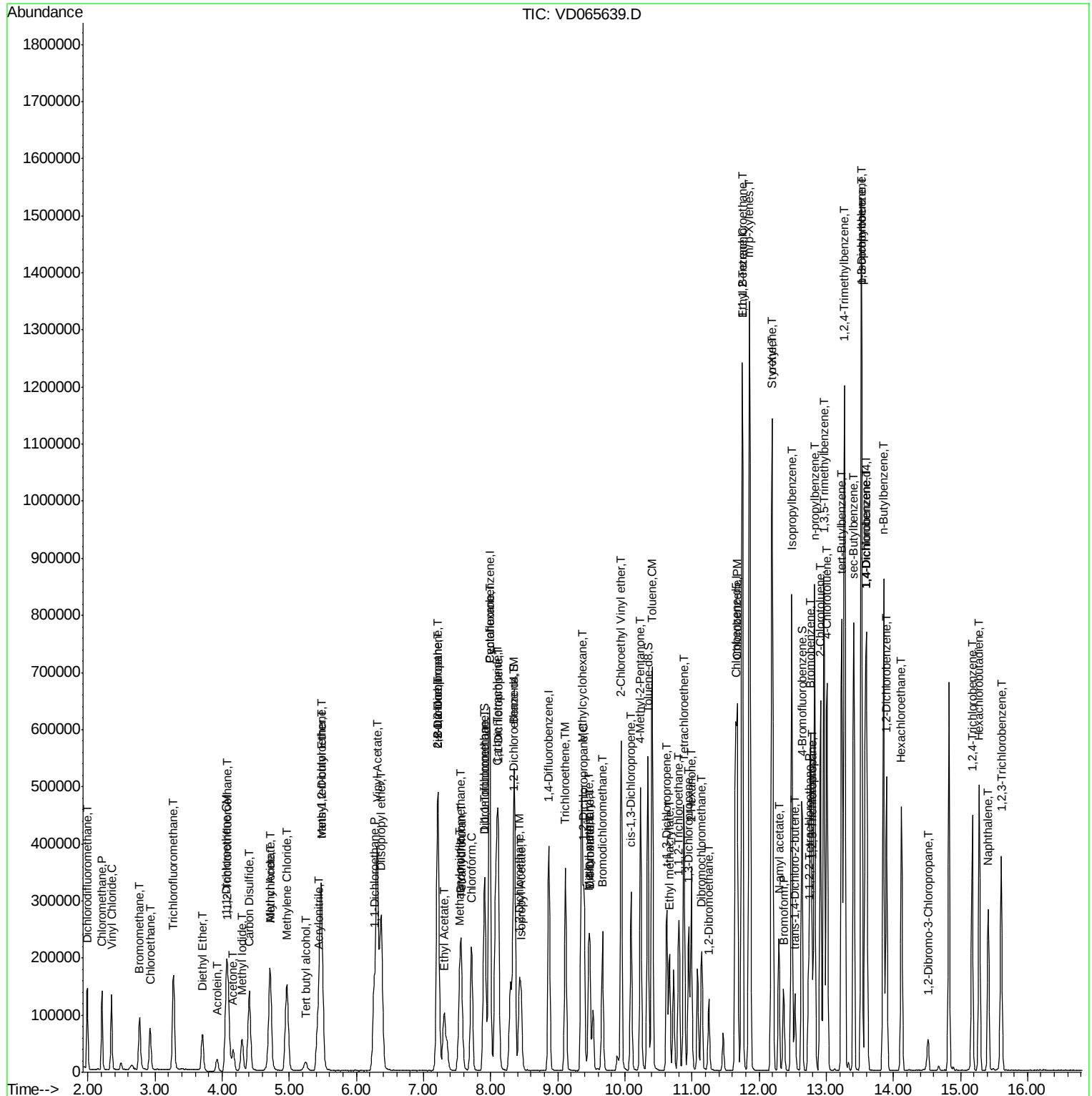
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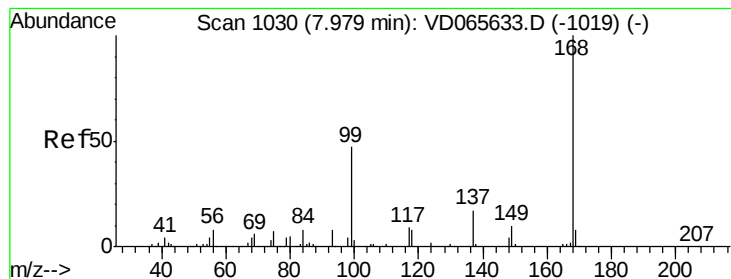
Instrument :
MSVOA_D
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

Tot Ion:168 Resp: 246087

Ion Ratio Lower Upper

168 100

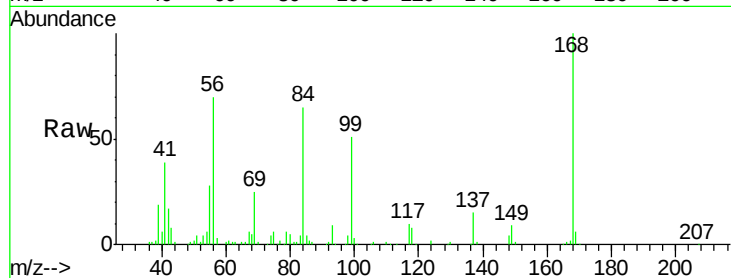
99 51.2 40.3 60.5

Manual Integrations

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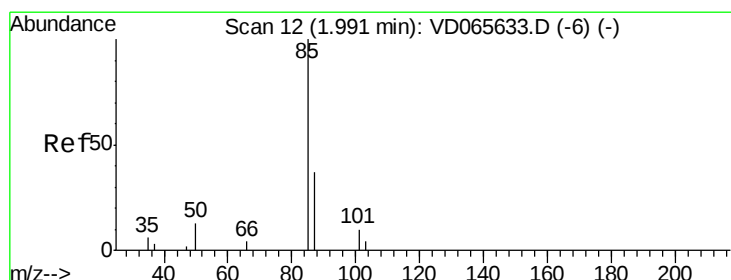
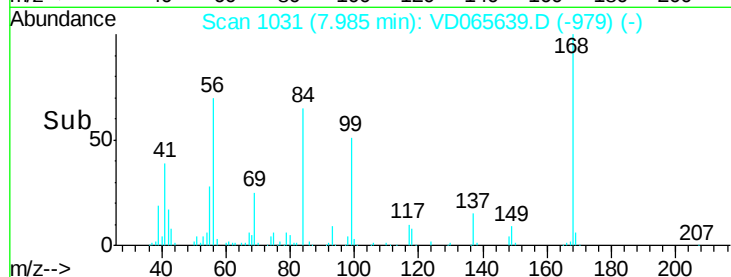
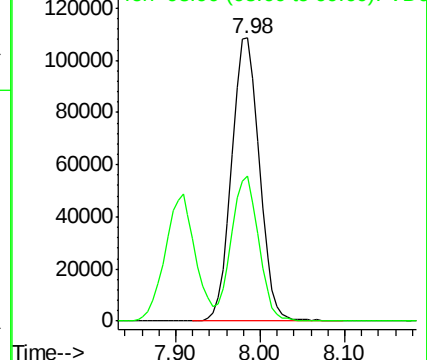
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 53.154 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD065639.D

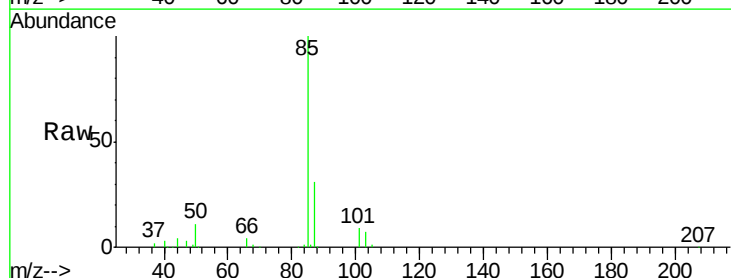
Acq: 15 Apr 2020 17:51

Tgt Ion: 85 Resp: 108925

Ion Ratio Lower Upper

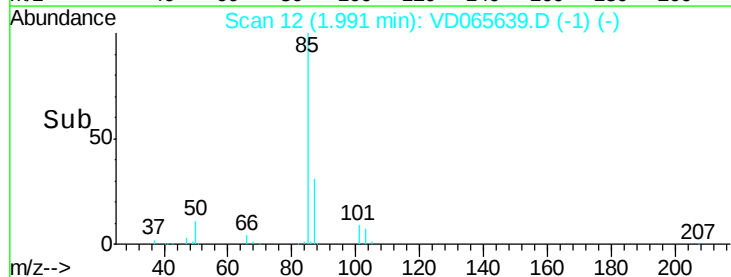
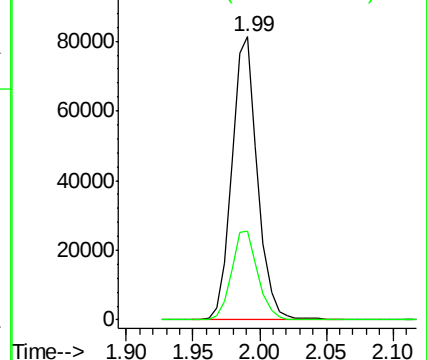
85 100

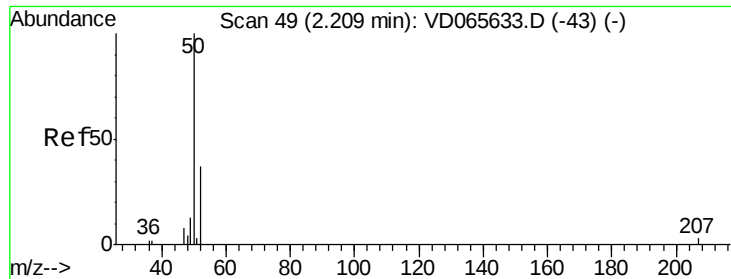
87 31.4 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 49.659 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

Tot Ion: 50 Resp: 111055

Ion Ratio Lower Upper

50 100

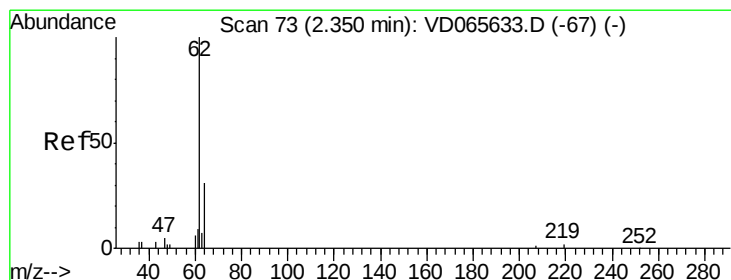
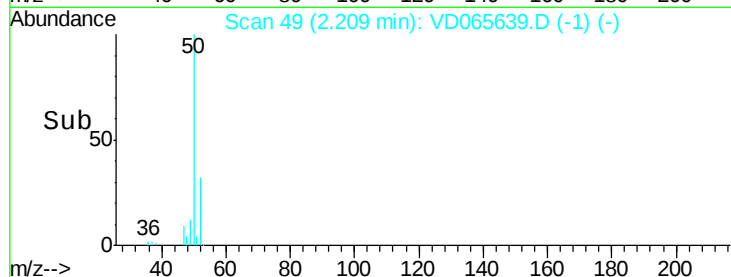
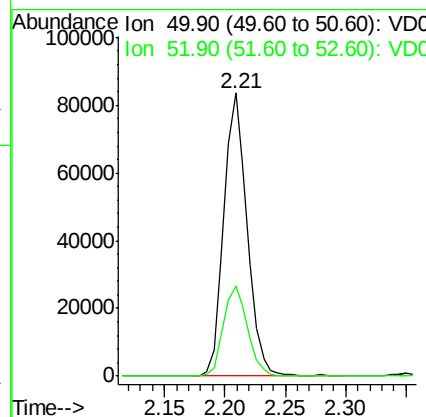
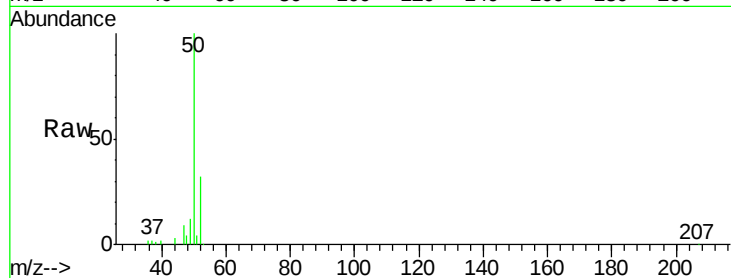
52 31.7 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.218 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065639.D

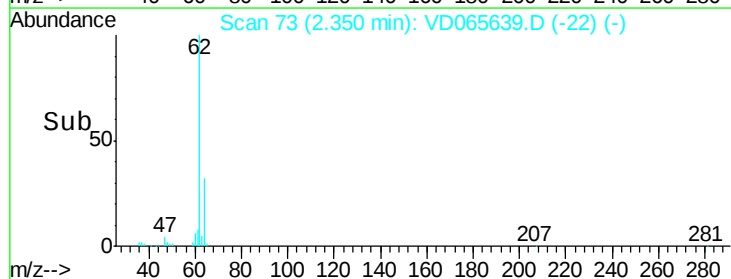
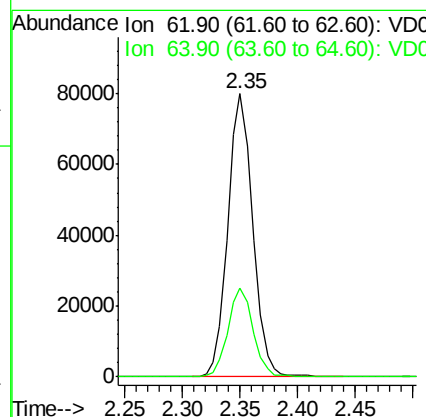
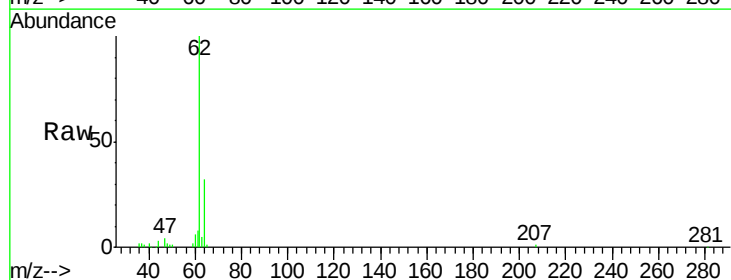
Acq: 15 Apr 2020 17:51

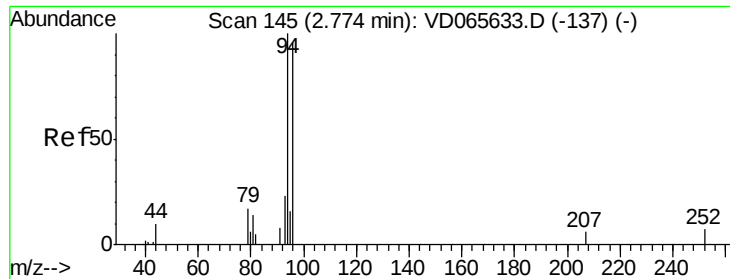
Tgt Ion: 62 Resp: 119577

Ion Ratio Lower Upper

62 100

64 31.5 25.1 37.7





#5

Bromomethane

Concen: 51.989 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 68603

Ion Ratio Lower Upper

94 100

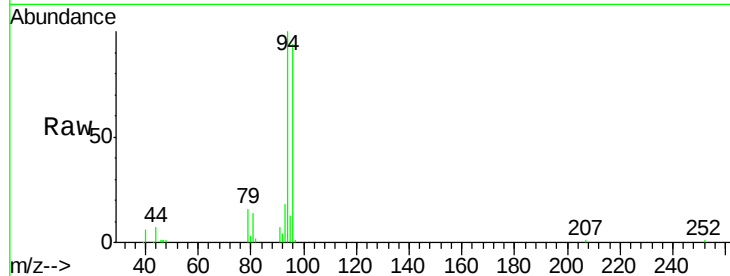
96 93.6 77.9 116.9

Manual Integrations

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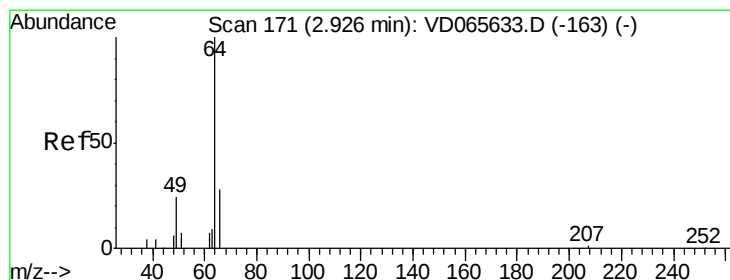
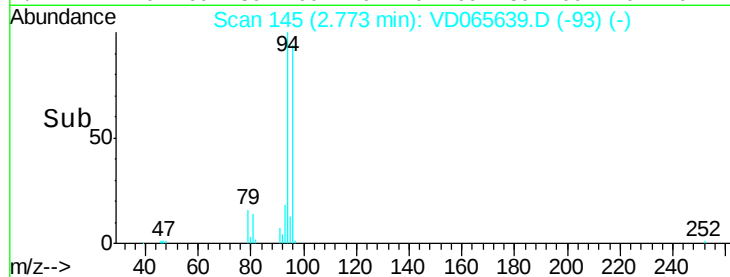
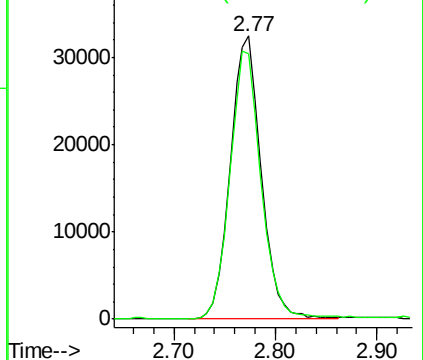
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.019 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD065639.D

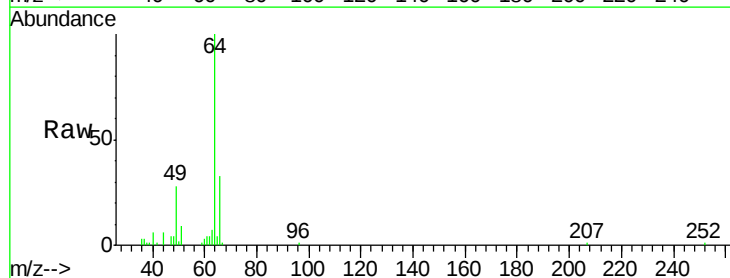
Acq: 15 Apr 2020 17:51

Tgt Ion: 64 Resp: 70804

Ion Ratio Lower Upper

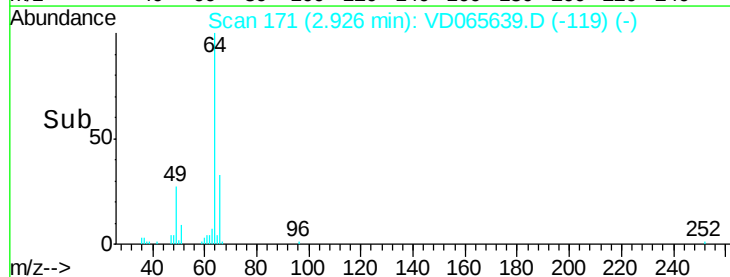
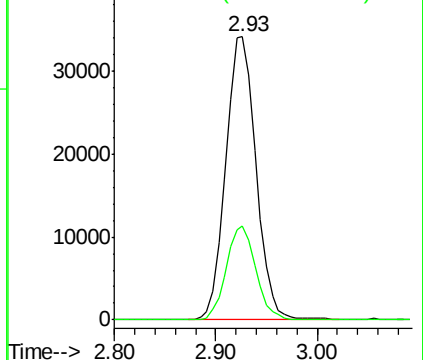
64 100

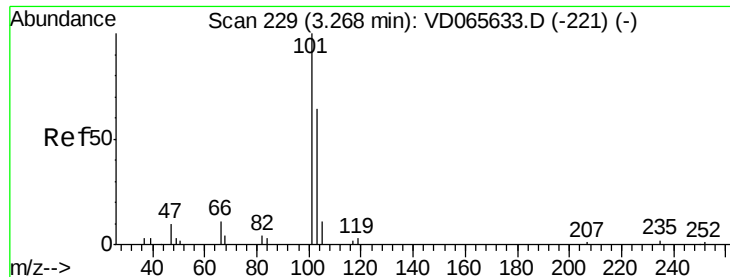
66 33.1 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

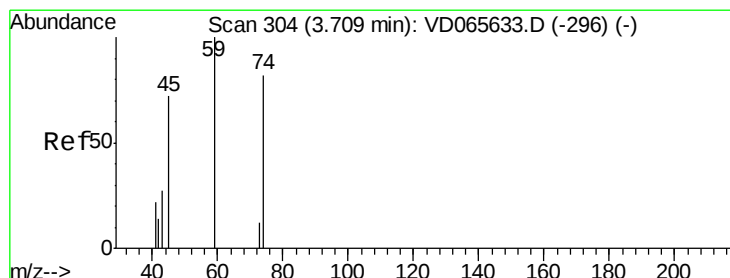
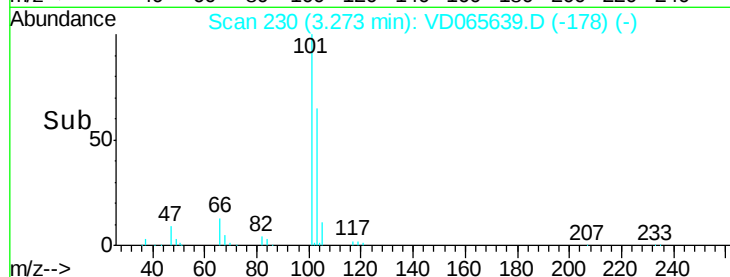
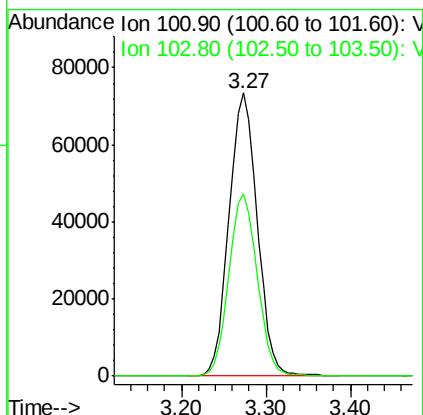
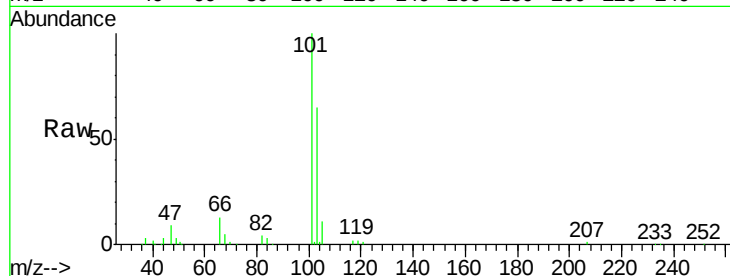
Trichlorofluoromethane
 Concen: 48.942 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.4

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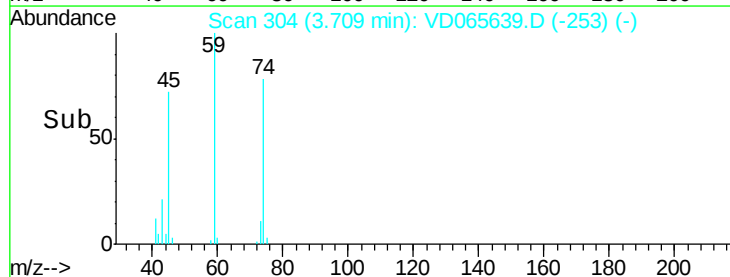
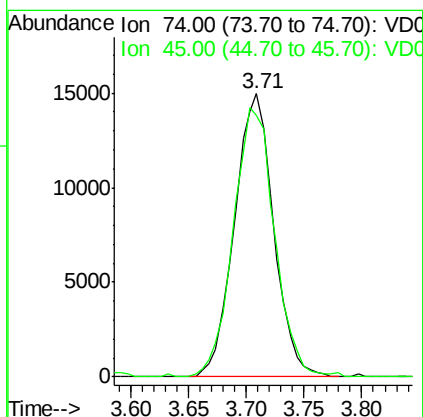
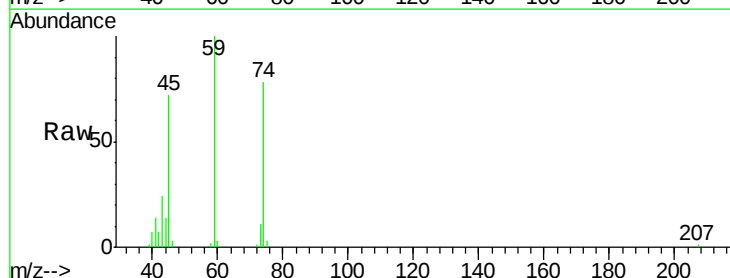
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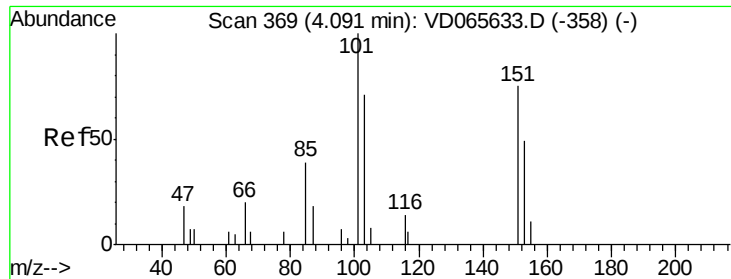


#8

Diethyl Ether
 Concen: 49.497 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.564 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

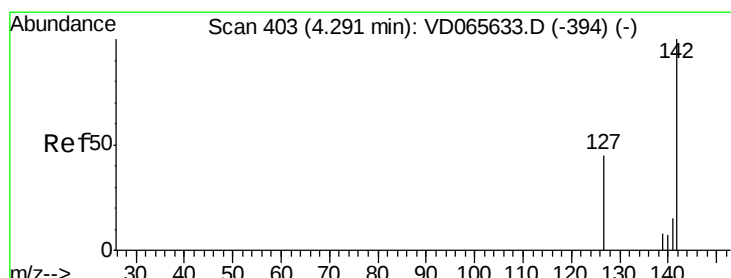
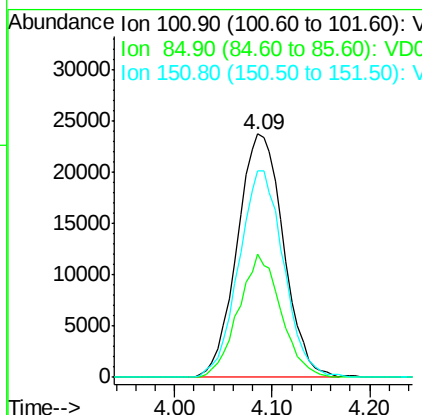
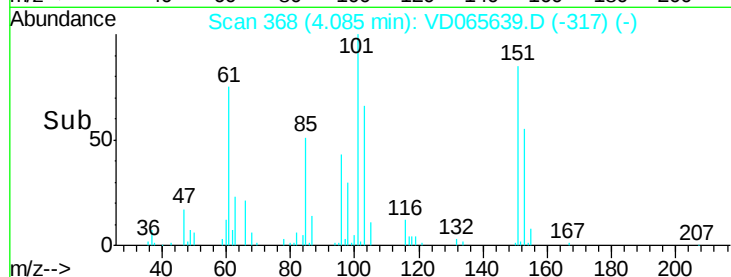
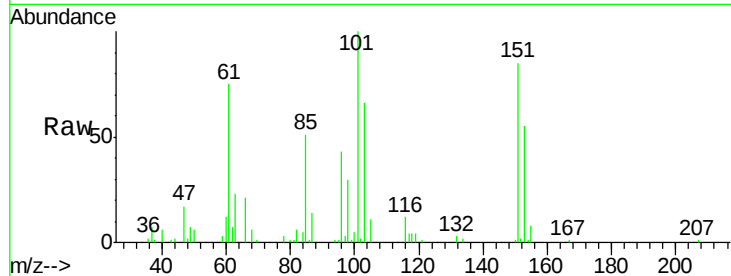
ClientSampleId :

ICVVD041520

Tot Ion:	101	Resp:	78262
Ion Ratio	Lower	Upper	
101	100		
85	46.5	36.2	54.2
151	82.5	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 37.051 ug/l

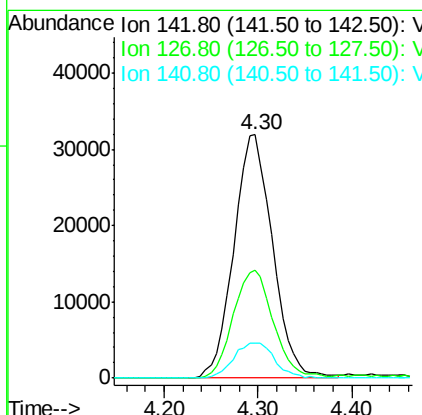
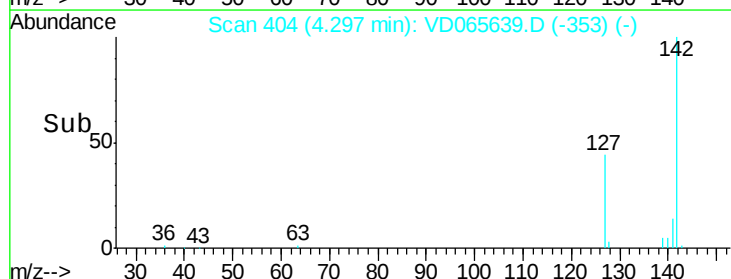
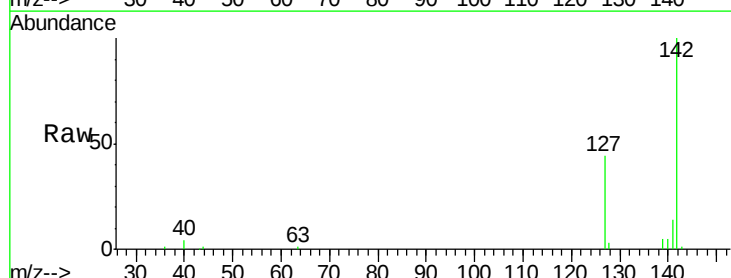
RT: 4.30 min Scan# 404

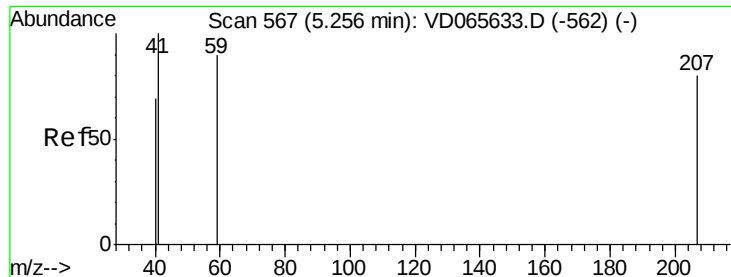
Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Tgt Ion:	142	Resp:	91383
Ion Ratio	Lower	Upper	
142	100		
127	45.9	38.1	57.1
141	15.1	12.1	18.1





#11

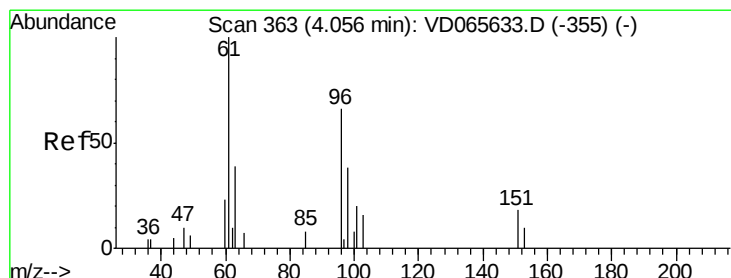
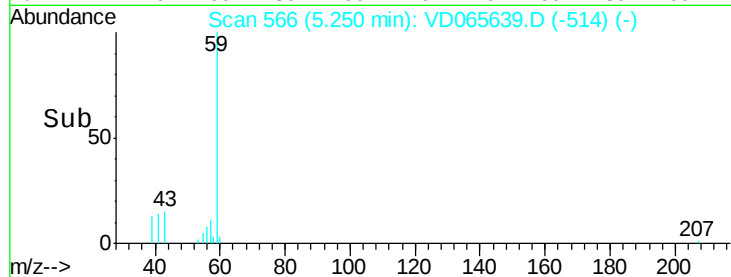
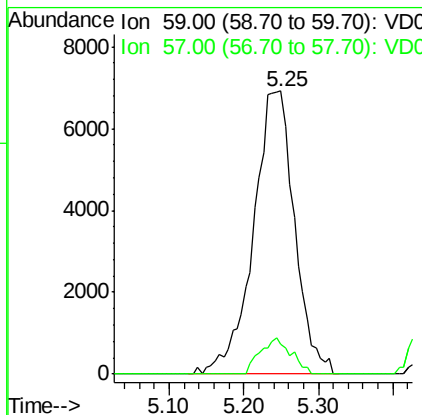
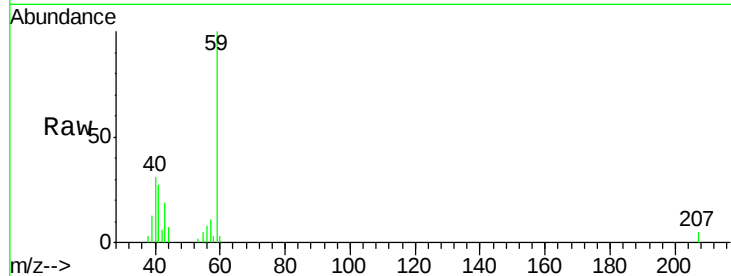
Tert butyl alcohol
Concen: 243.739 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	59	Resp	26599
Ion Ratio	Lower	Upper	
59	100		
57	9.6	7.4	11.2

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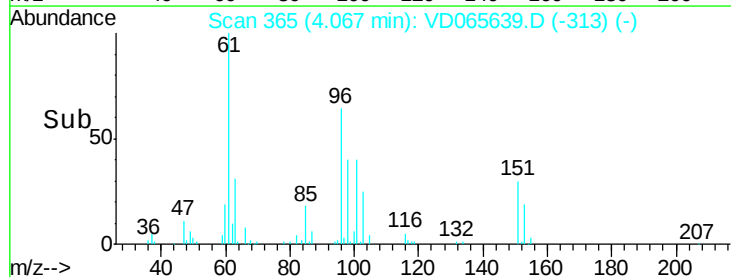
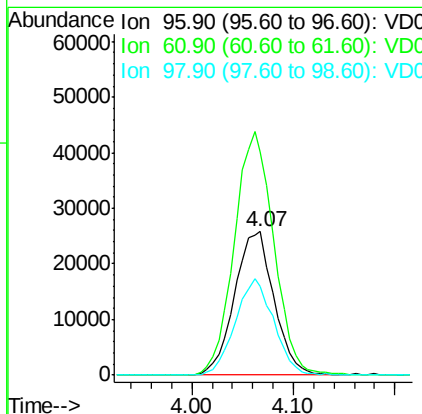
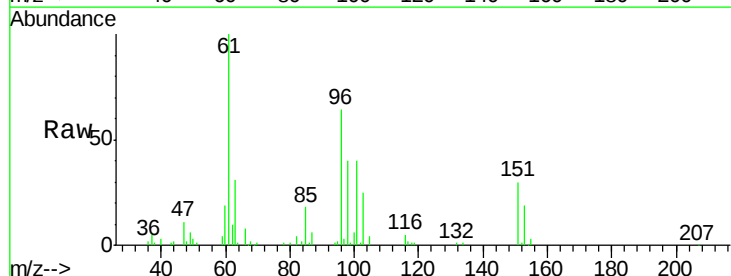
MMDadoda
4/16/2020 3:13:44 PM

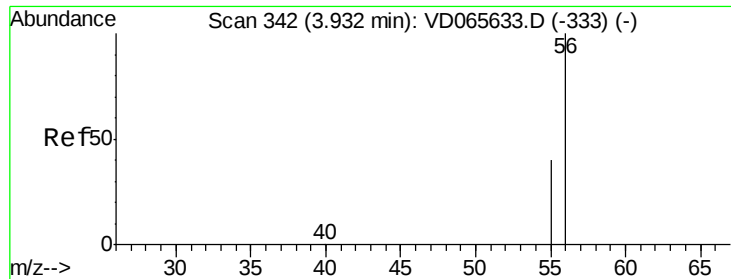


#12

1,1-Dichloroethene
Concen: 49.303 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	96	Resp	69978
Ion Ratio	Lower	Upper	
96	100		
61	155.1	136.2	204.2
98	61.5	52.2	78.2





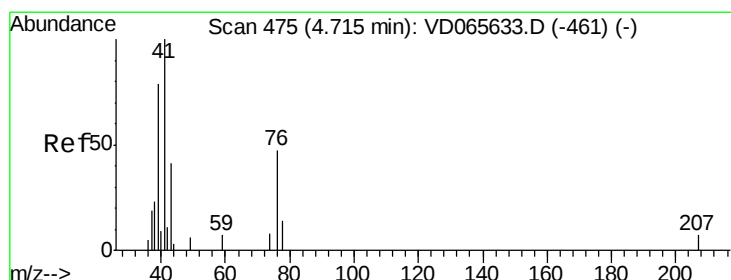
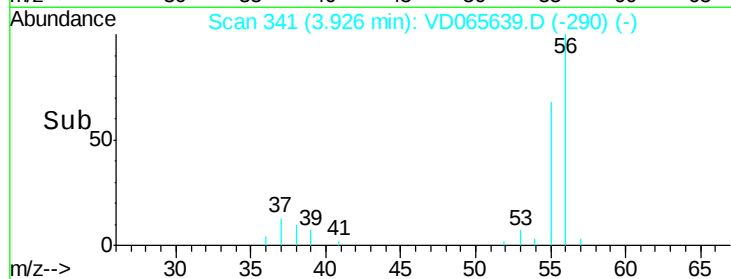
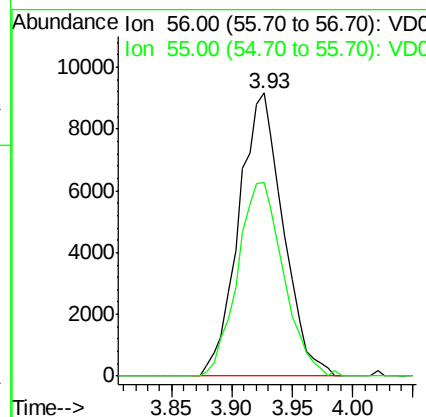
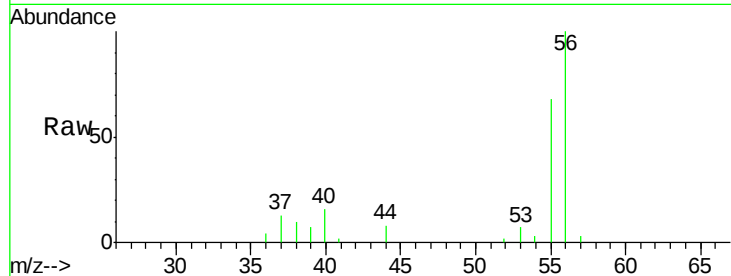
#13
Acrolein
Concen: 252.299 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion: 56 Resp: 23375
Ion Ratio Lower Upper
56 100
55 70.9 58.2 87.2

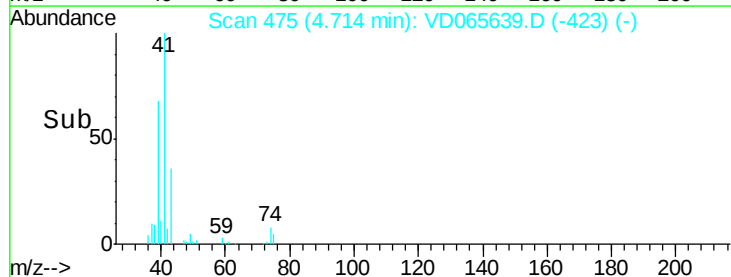
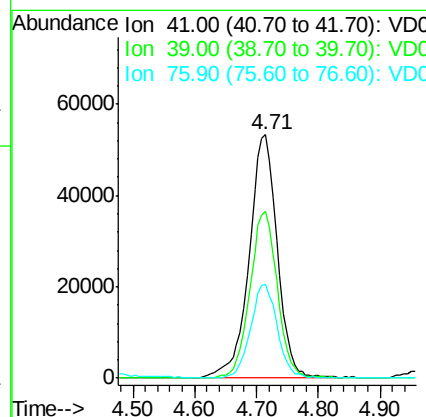
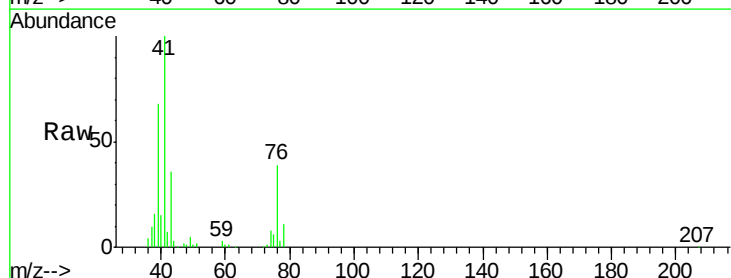
Manual Integrations
APPROVED

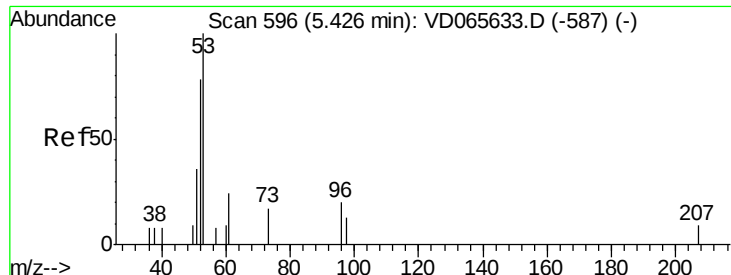
MMDadoda
4/16/2020 3:13:44 PM



#14
Allyl chloride
Concen: 59.783 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion: 41 Resp: 169422
Ion Ratio Lower Upper
41 100
39 66.6 62.5 93.7
76 36.6 29.1 43.7





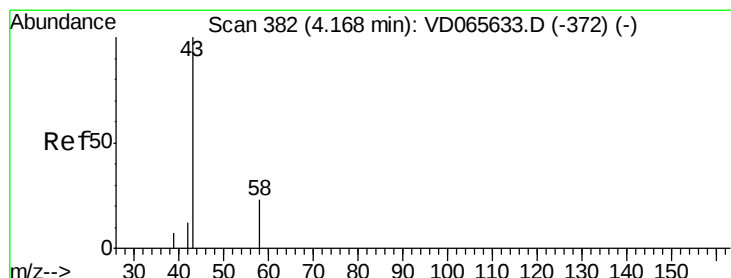
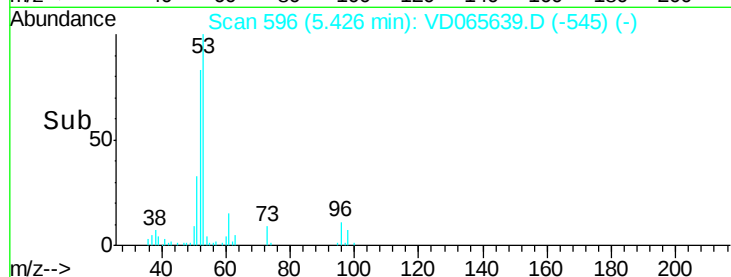
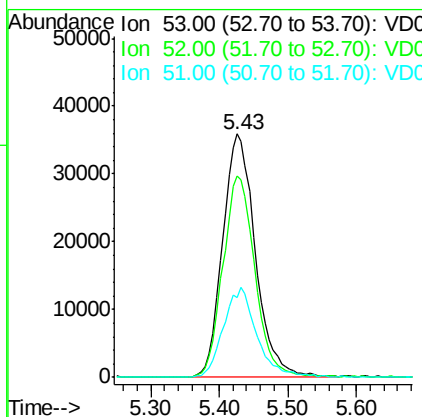
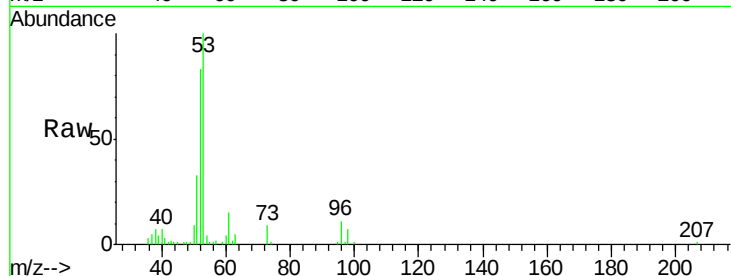
#15
 Acrylonitrile
 Concen: 276.703 ug/l
 RT: 5.43 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Tot Ion:	53	Resp:	118550
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.8	98.6
51	37.5	30.9	46.3

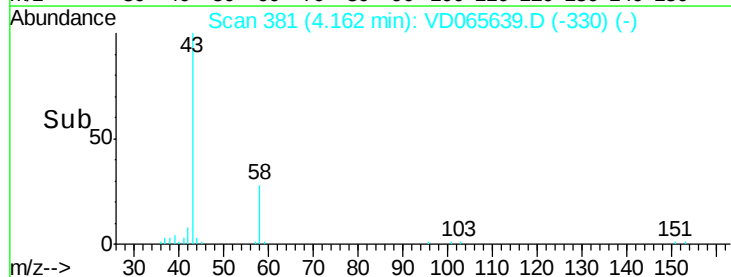
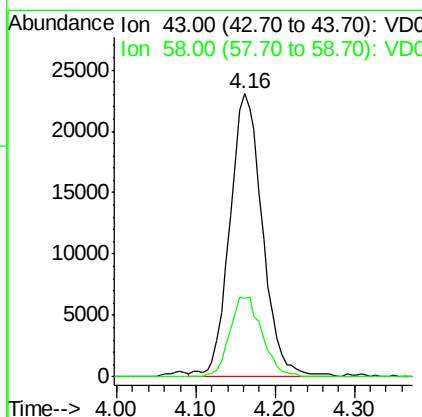
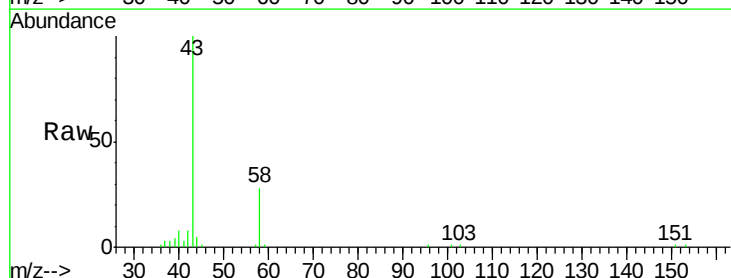
Manual Integrations
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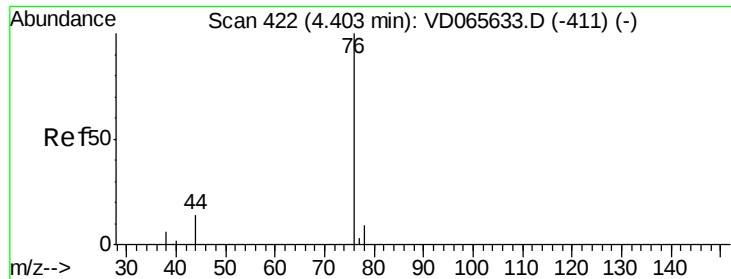
MMDadoda
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#16
 Acetone
 Concen: 220.444 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion:	43	Resp:	65999
Ion Ratio	Lower	Upper	
43	100		
58	27.9	22.9	34.3





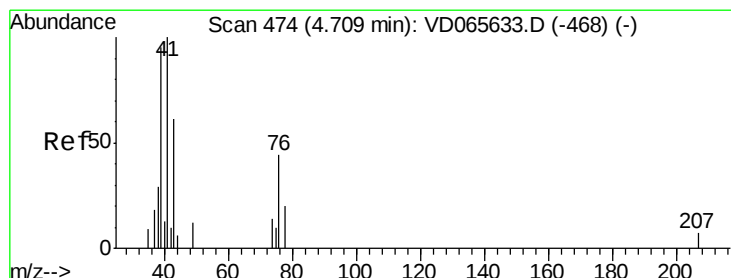
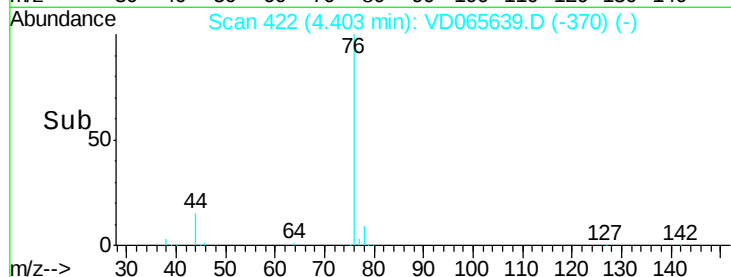
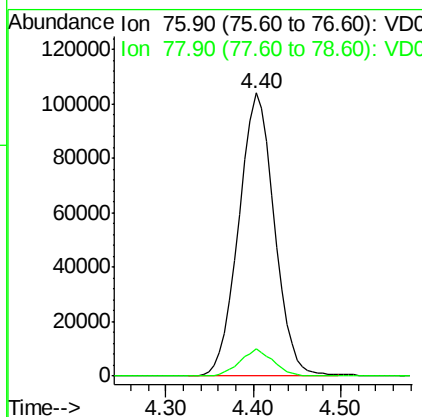
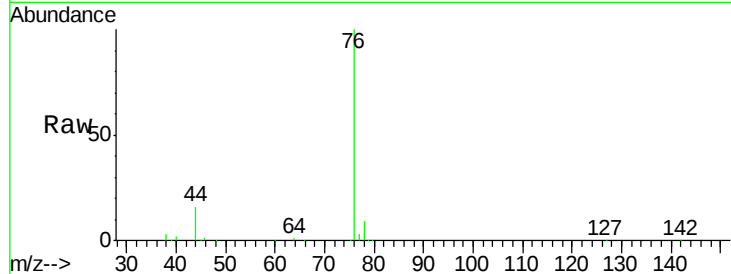
#17
Carbon Disulfide
Concen: 46.593 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

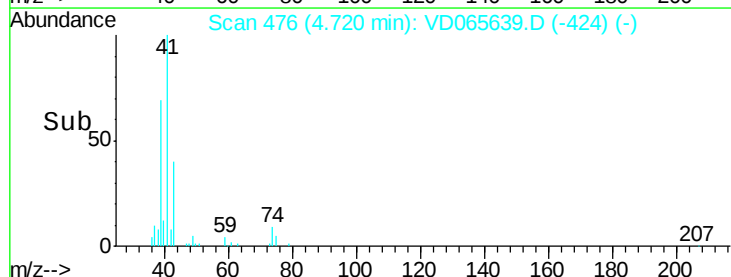
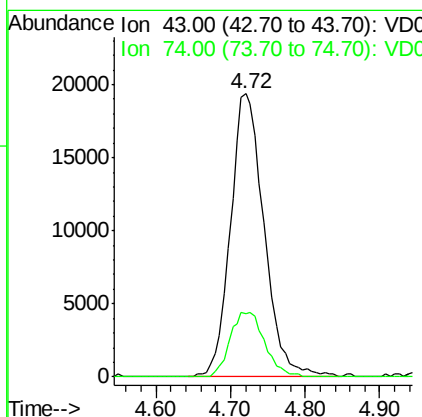
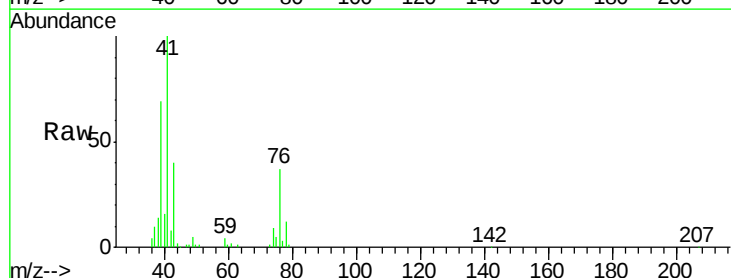
Manual Integrations
APPROVED

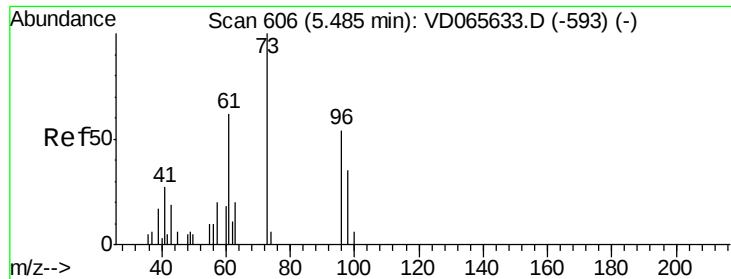
MMDadoda
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#18
Methyl Acetate
Concen: 55.077 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	18.6	28.0





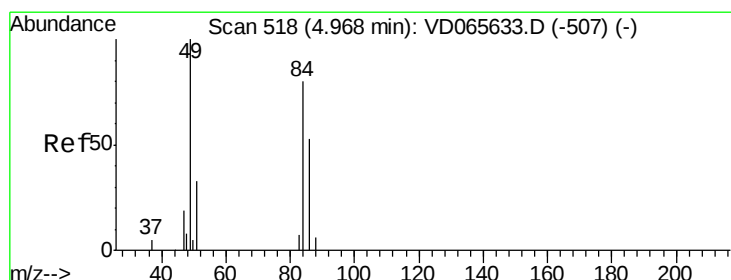
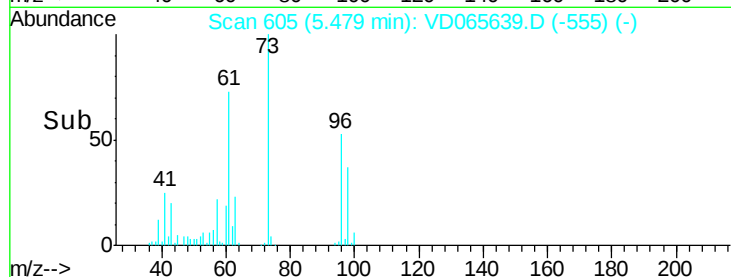
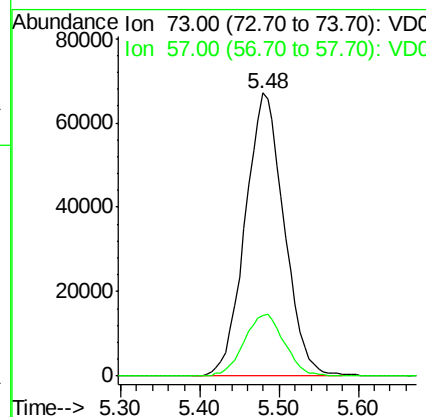
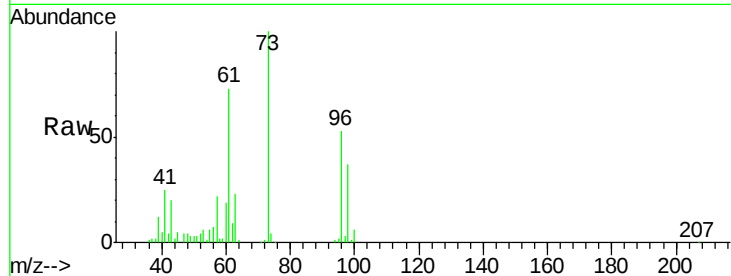
#19
Methyl tert-butyl Ether
Concen: 56.797 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion: 73 Resp: 228284
Ion Ratio Lower Upper
73 100
57 21.6 17.8 26.8

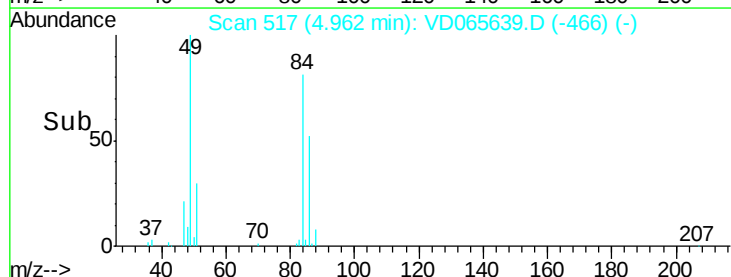
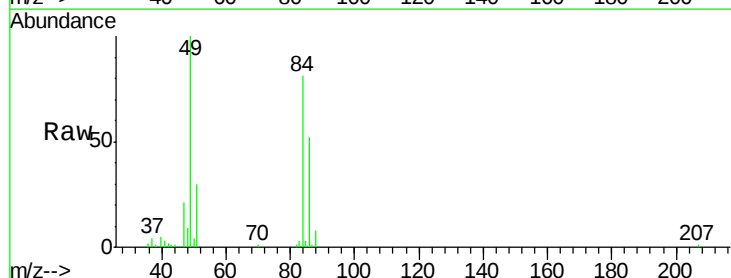
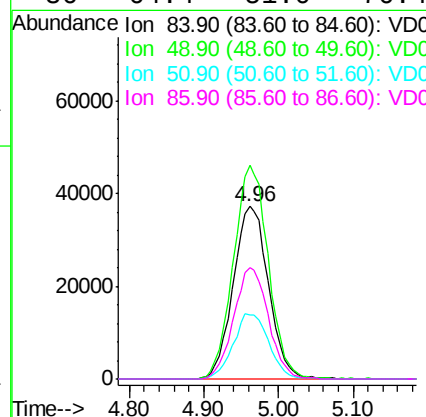
Manual Integrations
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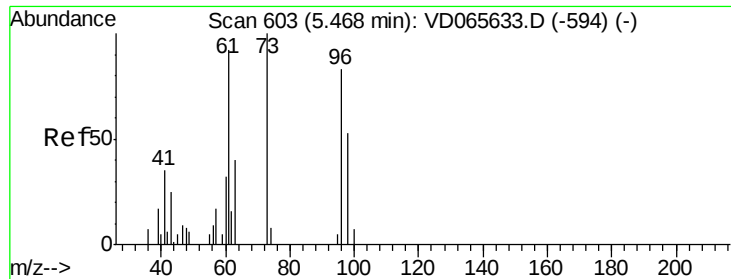
MMDadoda
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#20
Methylene Chloride
Concen: 62.244 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion: 84 Resp: 122304
Ion Ratio Lower Upper
84 100
49 123.7 102.0 153.0
51 37.0 30.8 46.2
86 64.4 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 54.426 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

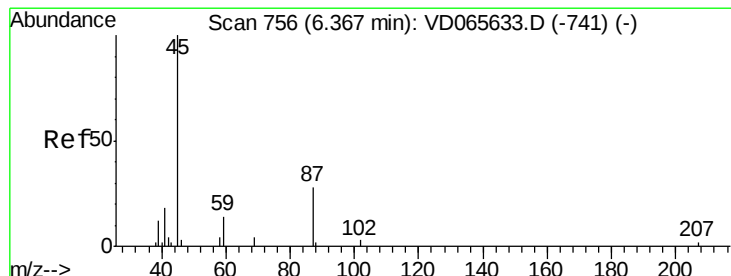
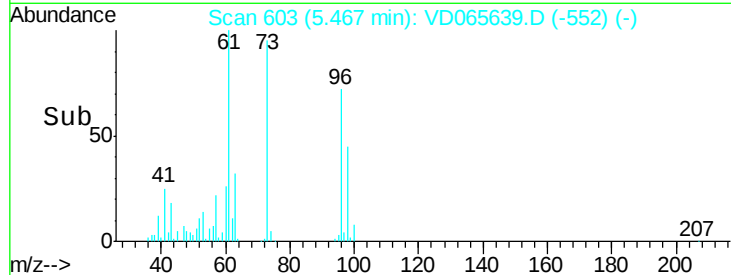
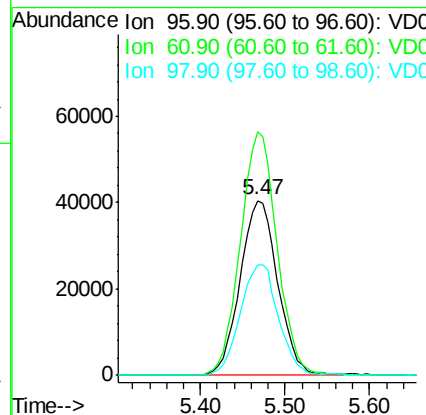
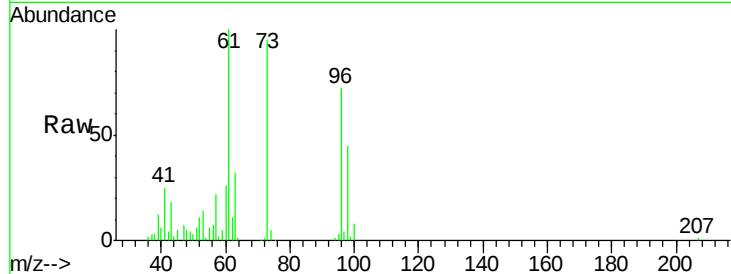
ClientSampleId :

ICVVD041520

Tot Ion:	96	Resp:	124825
Ion Ratio	Lower	Upper	
96	100		
61	139.1	102.6	153.8
98	63.2	49.4	74.0

Manual Integrations
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MMDadoda
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#22

Diisopropyl ether

Concen: 53.898 ug/l

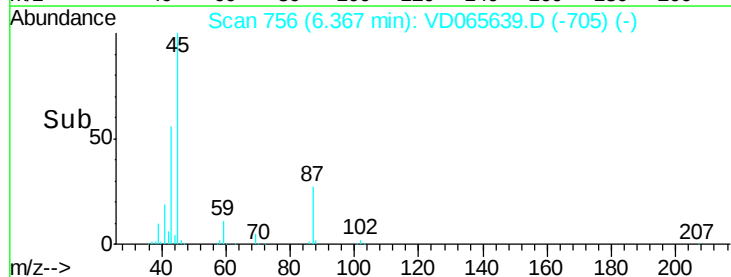
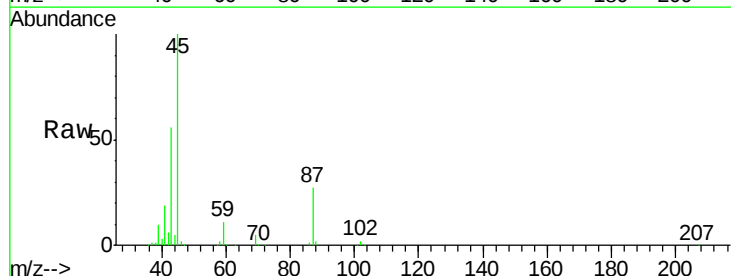
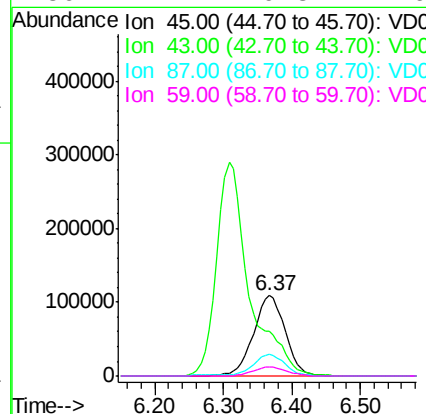
RT: 6.37 min Scan# 756

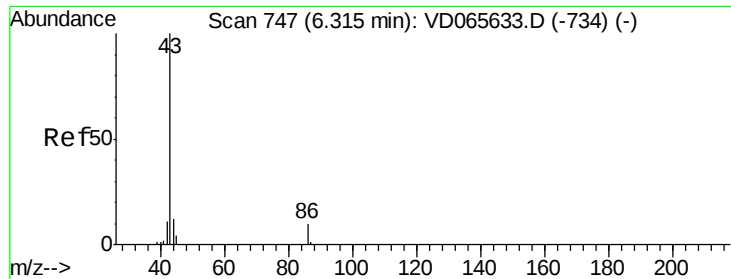
Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Tgt Ion:	45	Resp:	353073
Ion Ratio	Lower	Upper	
45	100		
43	54.9	42.2	63.2
87	26.5	22.1	33.1
59	11.4	9.8	14.6





#23

Vinyl Acetate

Concen: 250.230 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

Tot Ion: 43 Resp: 961645

Ion Ratio Lower Upper

43 100

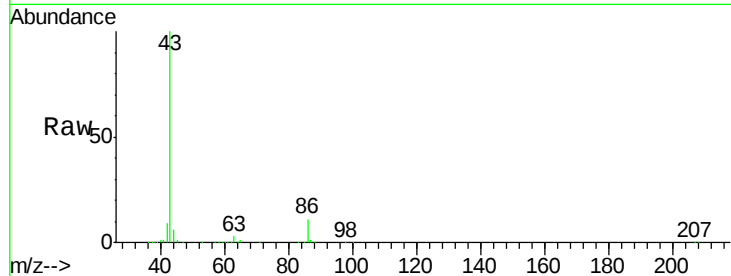
86 10.8 8.7 13.1

Manual Integrations

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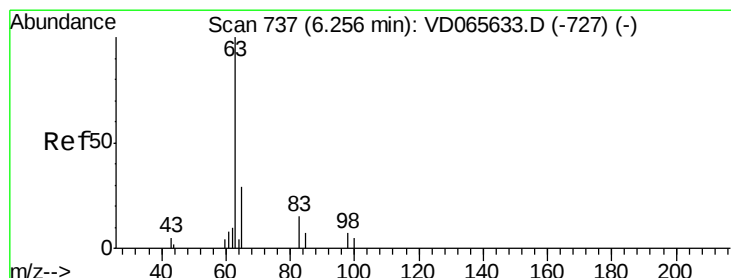
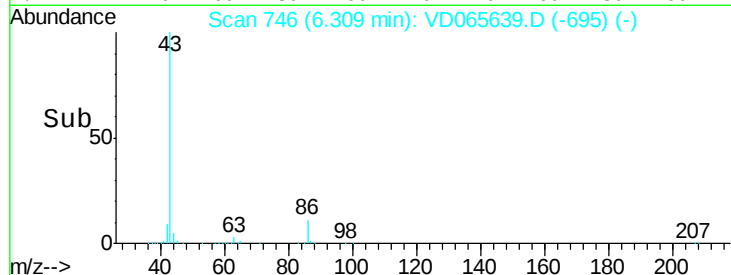
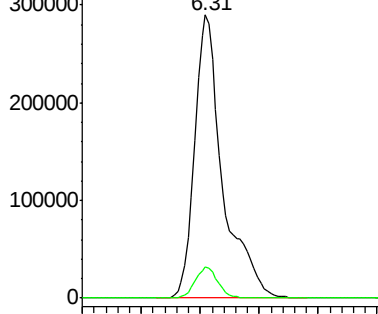
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.728 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

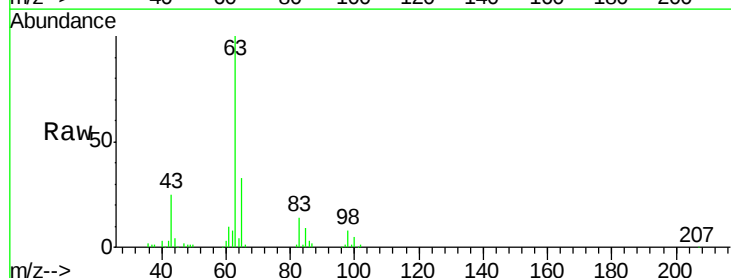
Tgt Ion: 63 Resp: 209953

Ion Ratio Lower Upper

63 100

98 8.2 3.6 10.8

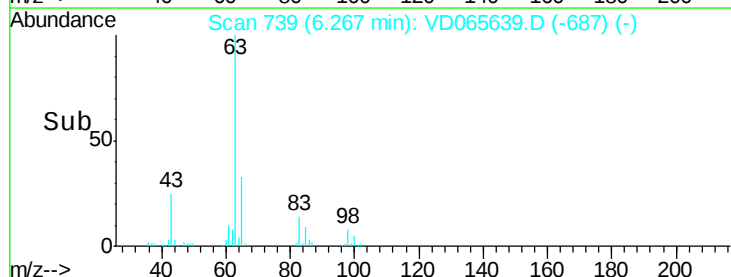
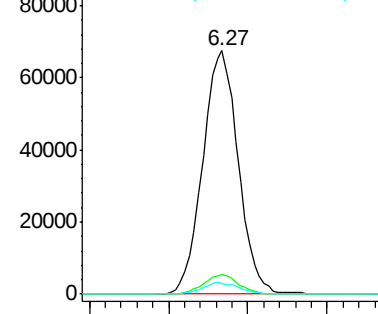
100 4.6 2.4 7.2

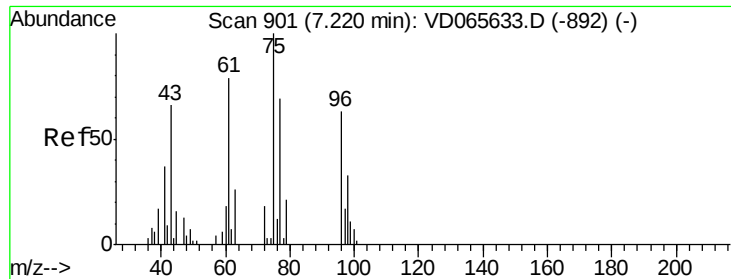


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 248.408 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

Tot Ion: 43 Resp: 138766

Ion Ratio Lower Upper

43 100

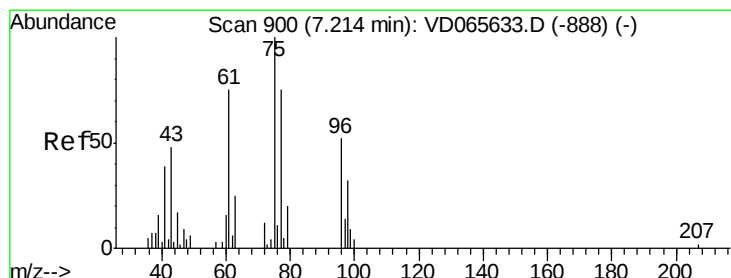
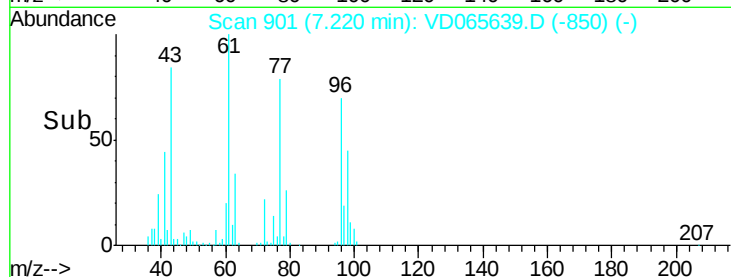
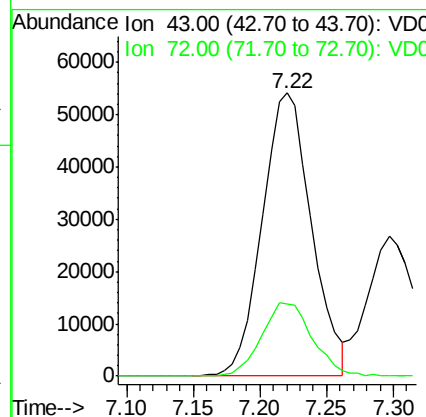
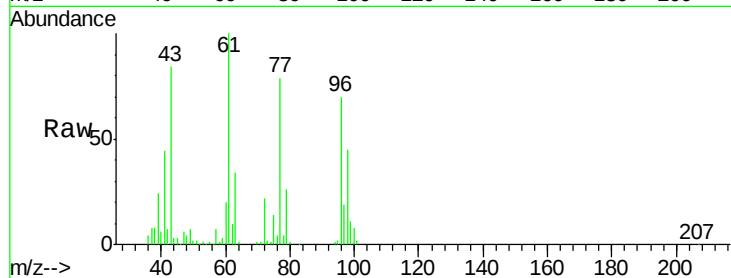
72 25.6 20.5 30.7

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#26

2,2-Dichloropropane

Concen: 48.078 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065639.D

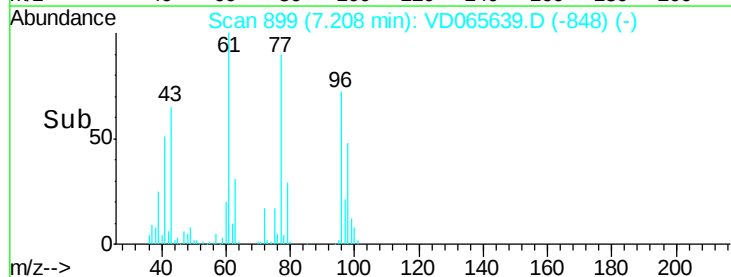
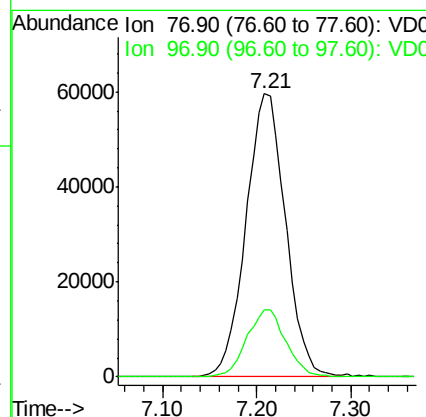
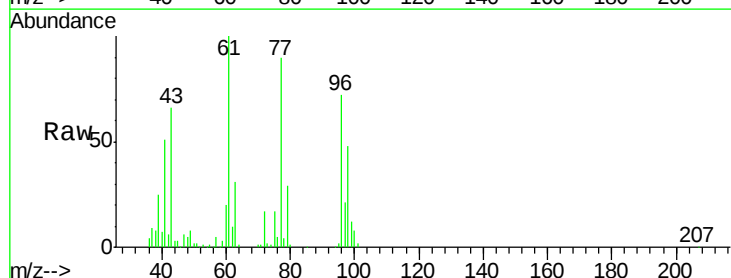
Acq: 15 Apr 2020 17:51

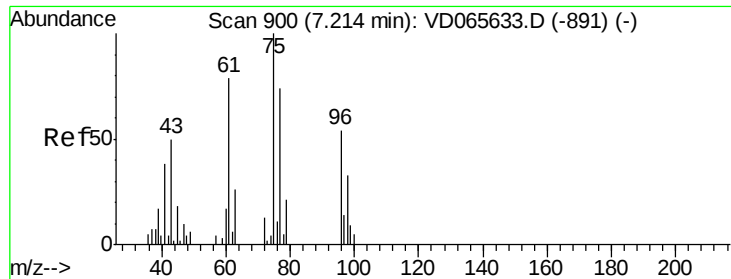
Tgt Ion: 77 Resp: 173433

Ion Ratio Lower Upper

77 100

97 23.4 11.5 34.5





#27

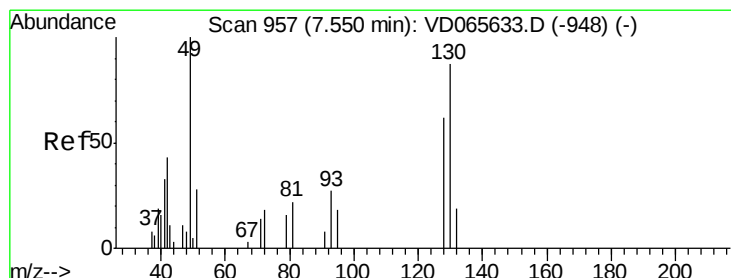
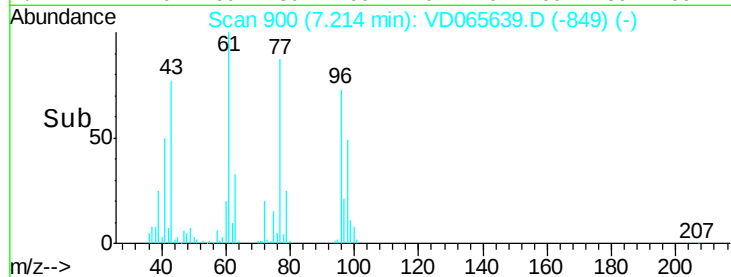
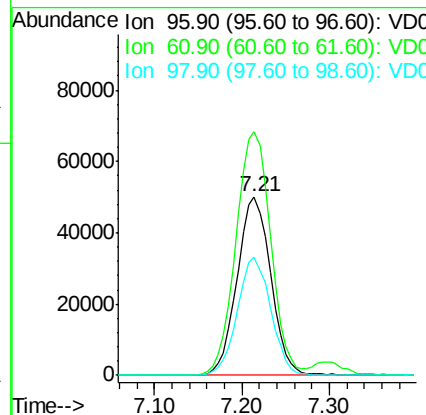
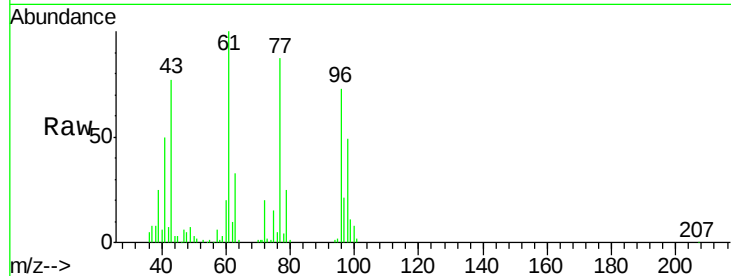
cis-1,2-Dichloroethene
 Concen: 51.495 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Tot Ion	Ratio	Resp	Lower	Upper
96	100	131022		
61	141.3	0.0	286.2	
98	65.4	0.0	128.0	

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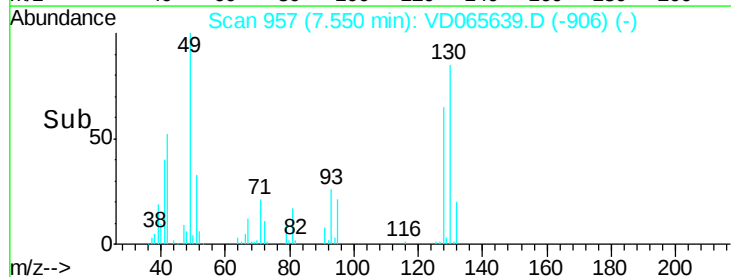
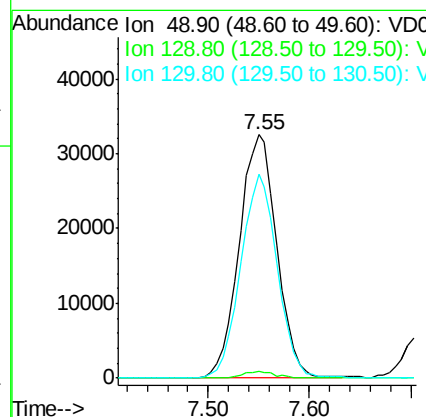
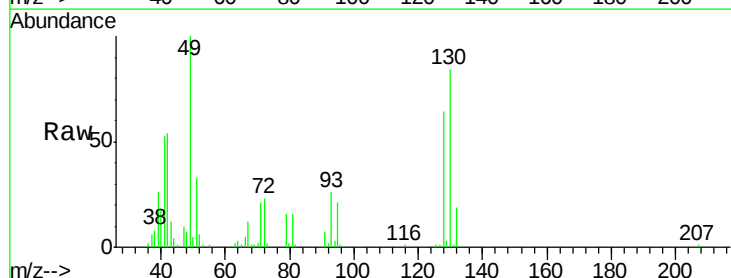
MMDadoda
 4/16/2020 3:13:44 PM

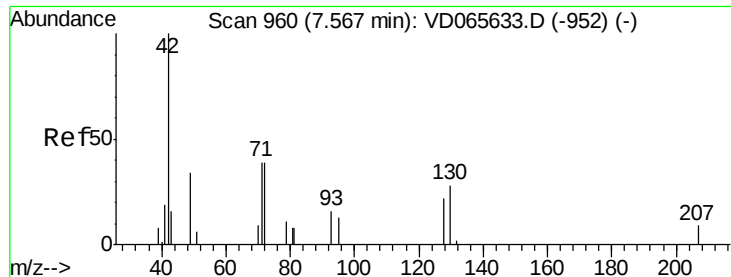


#28

Bromochloromethane
 Concen: 50.720 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83837		
129	2.2	0.0	4.2	
130	81.3	66.2	99.2	





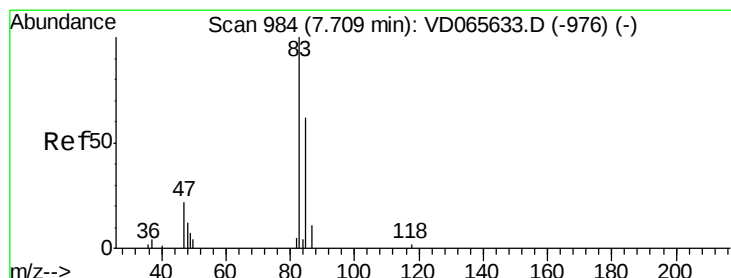
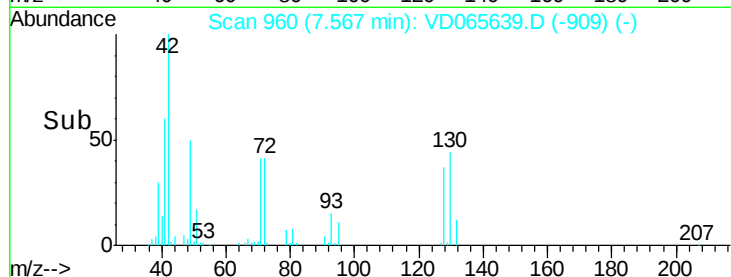
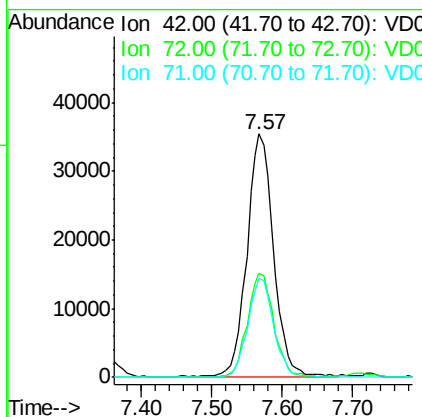
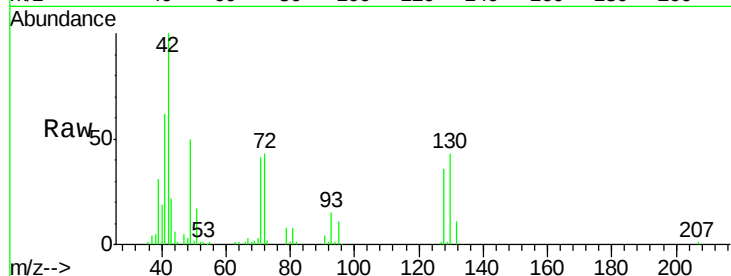
#29
Tetrahydrofuran
Concen: 263.793 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.1	34.4	51.6
71	39.4	31.4	47.0

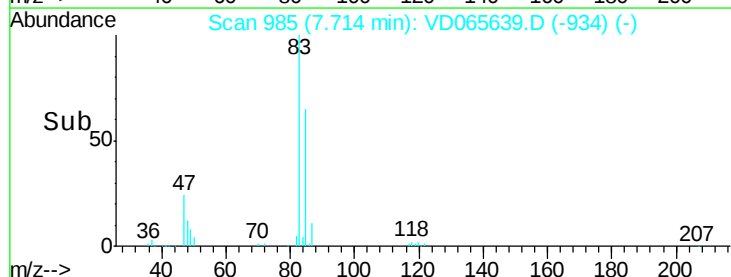
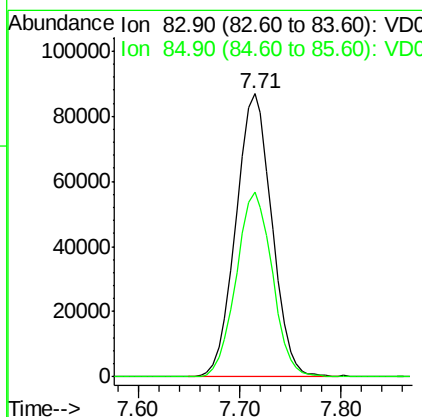
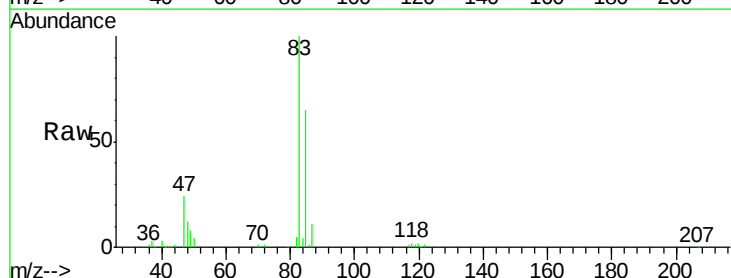
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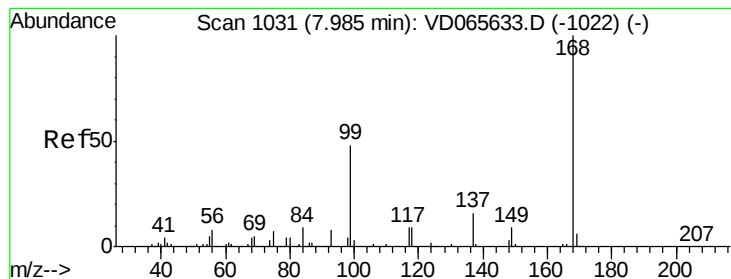
MMDadoda
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#30
Chloroform
Concen: 50.553 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.6	78.8





#31

Cyclohexane

Concen: 48.560 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

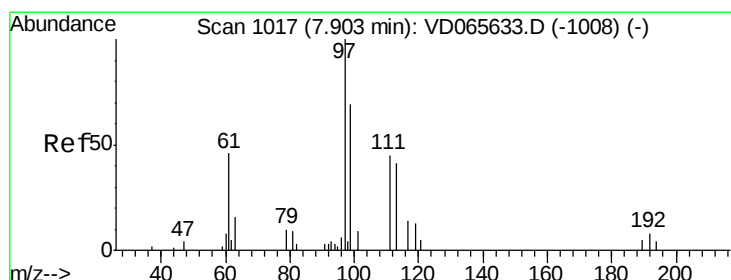
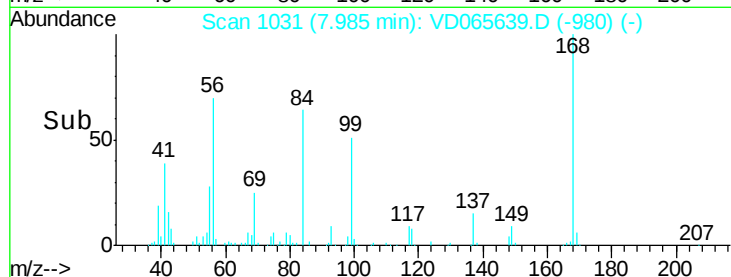
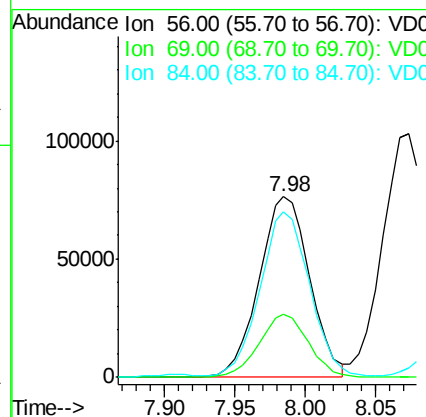
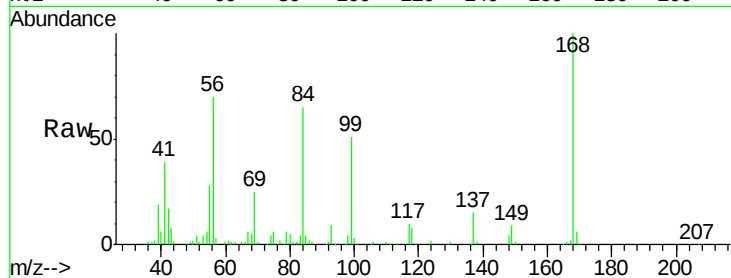
ClientSampleId :

ICVVD041520

Tot Ion:	56	Resp:	191446
Ion	Ratio	Lower	Upper
56	100		
69	35.0	26.6	40.0
84	90.7	75.3	112.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.270 ug/l

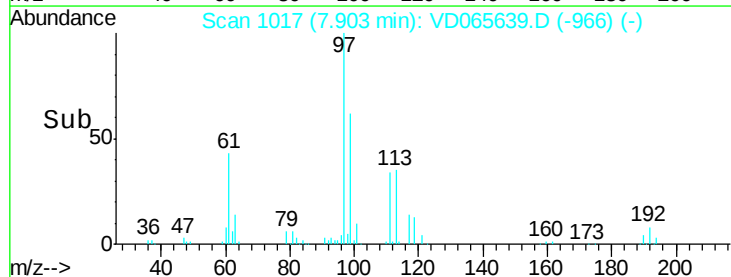
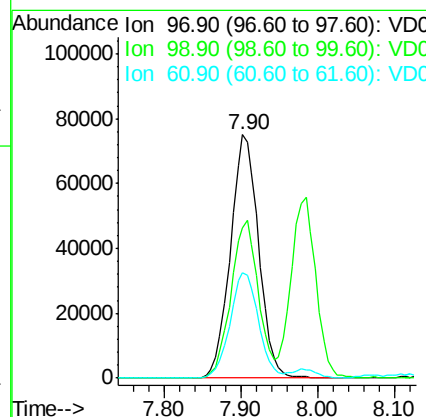
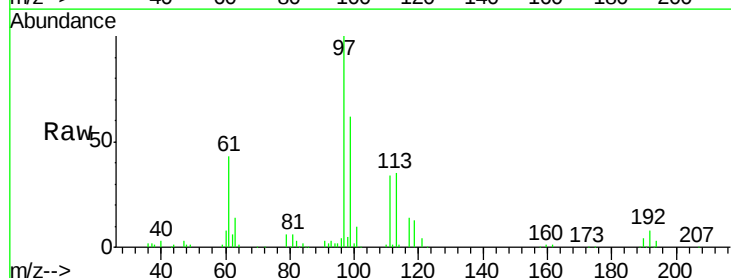
RT: 7.90 min Scan# 1017

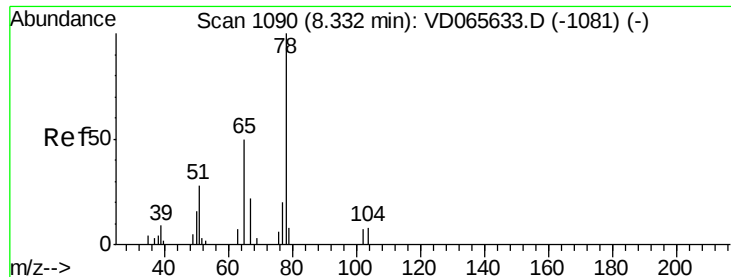
Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Tgt Ion:	97	Resp:	191454
Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.5	77.3
61	43.7	34.8	52.2





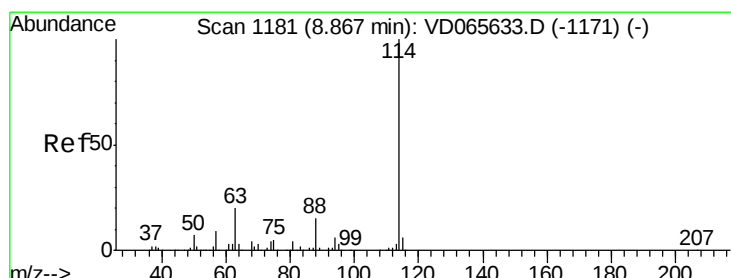
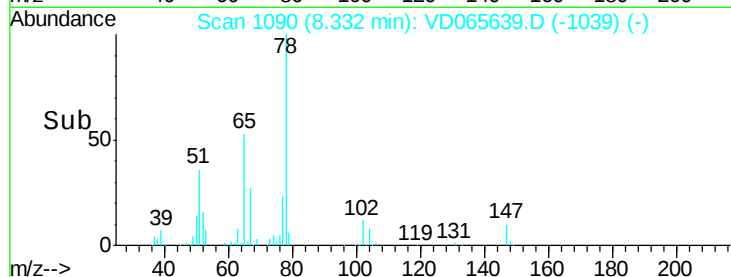
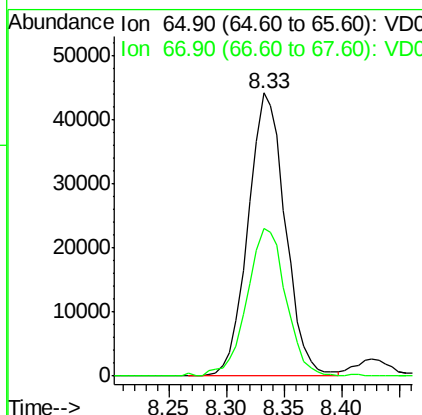
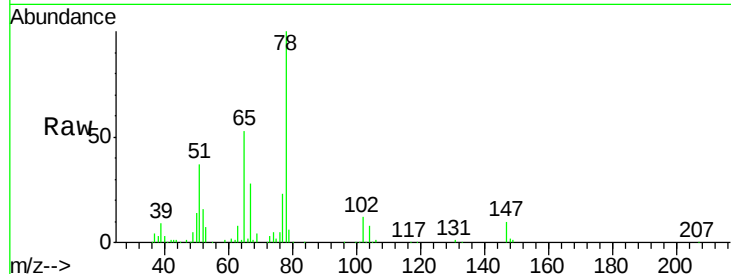
#33
 1,2-Dichloroethane-d4
 Concen: 47.436 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	105.8

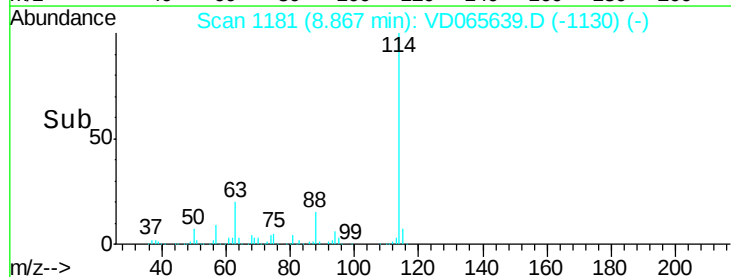
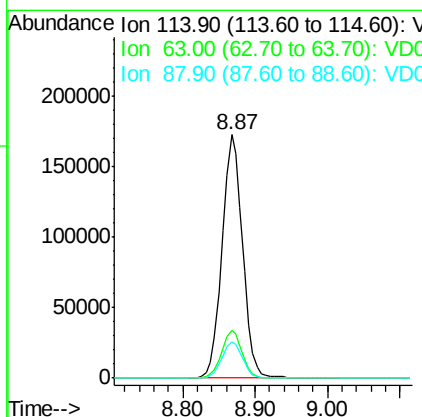
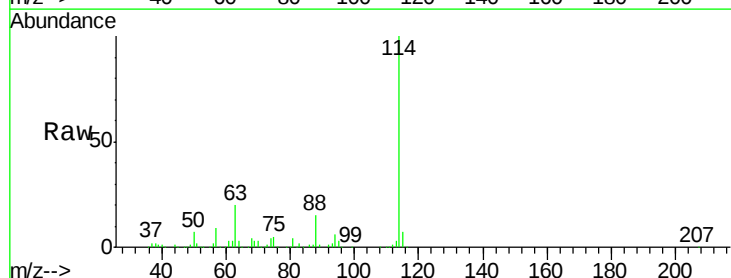
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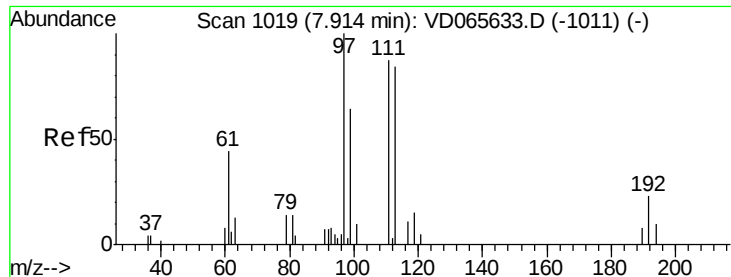
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	40.8
88	14.7	0.0	31.6





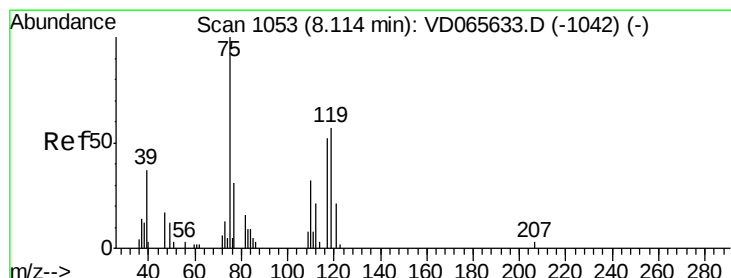
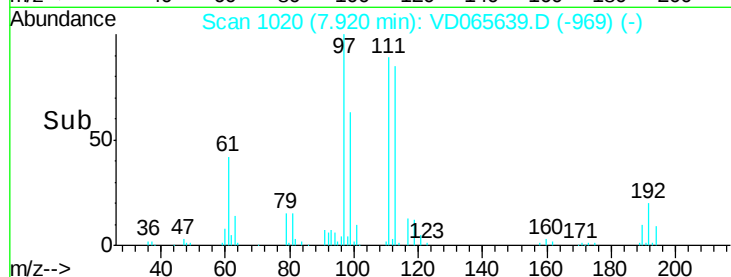
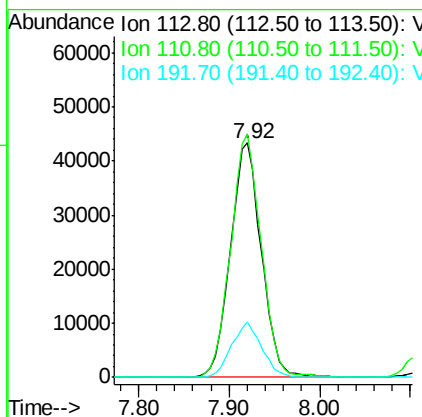
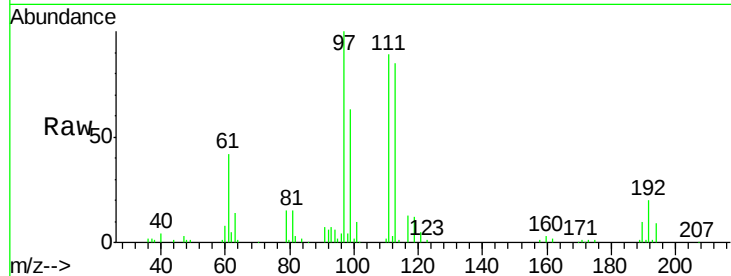
#35
 Dibromofluoromethane
 Concen: 48.749 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Tot Ion	Ratio	Resp	Lower	Upper
113	100	102776		
111	102.7		81.9	122.9
192	22.8		18.9	28.3

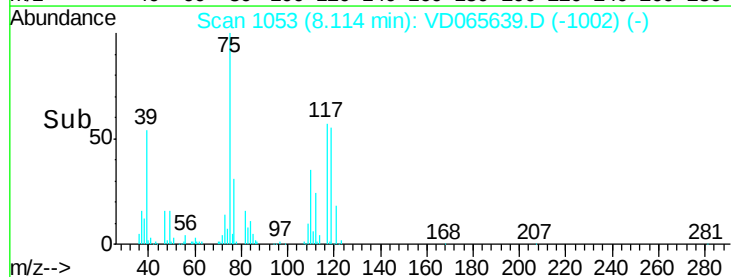
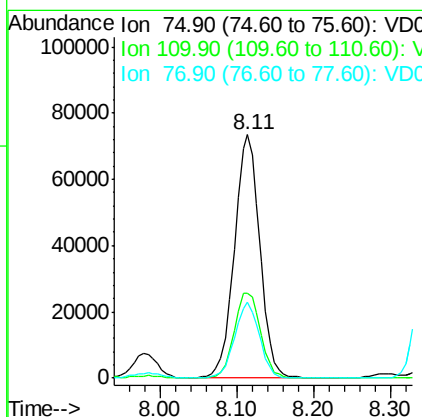
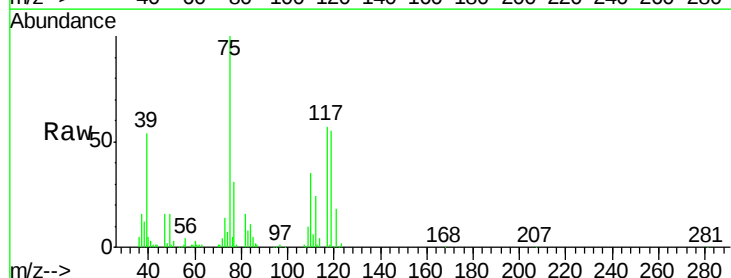
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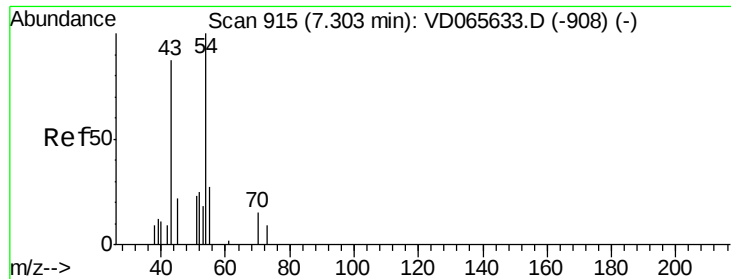
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#36
 1,1-Dichloropropene
 Concen: 51.982 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	170027		
110	36.2		18.3	54.8
77	30.4		24.6	37.0





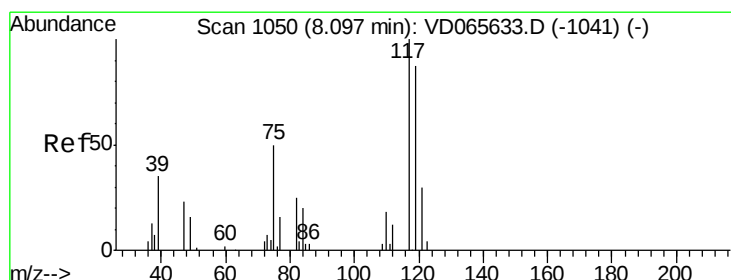
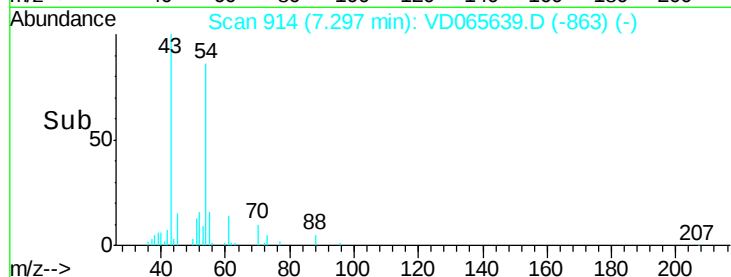
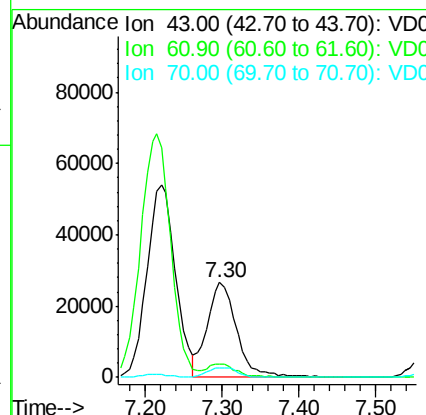
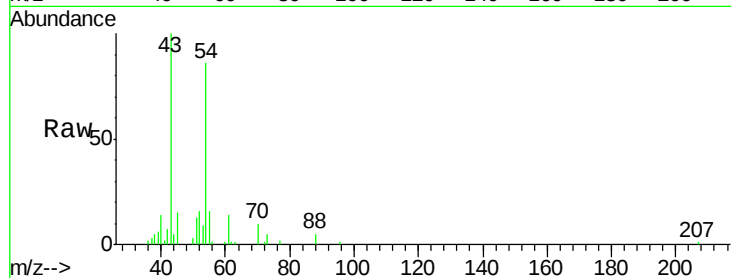
#37
Ethyl Acetate
Concen: 54.416 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.9	16.3
70	9.6	7.9	11.9

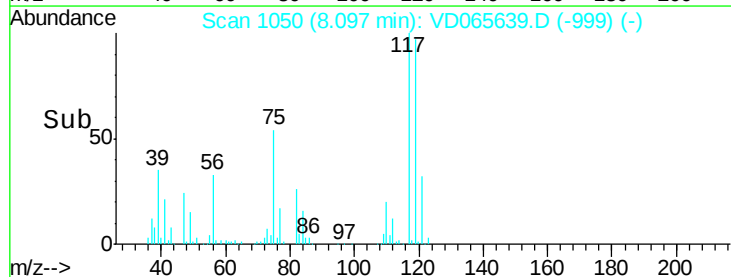
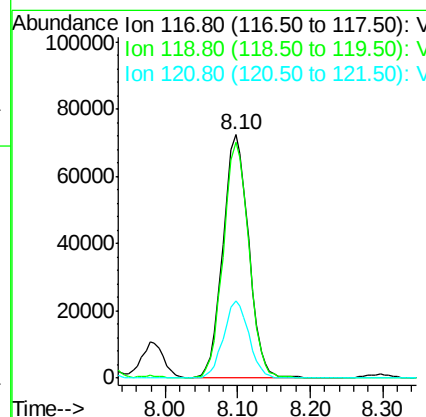
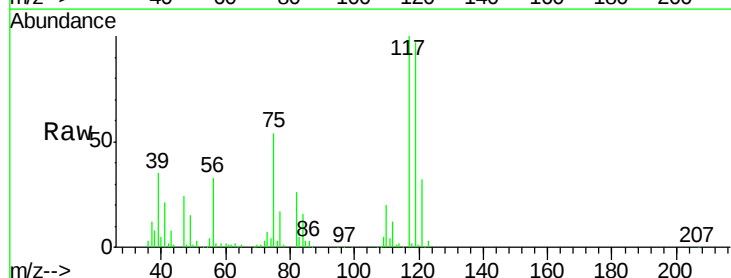
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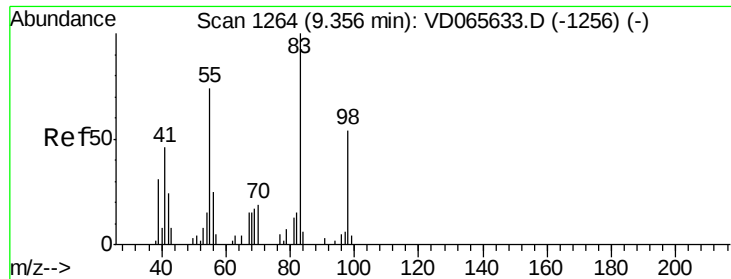
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.160 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	75.3	112.9
121	31.5	24.9	37.3





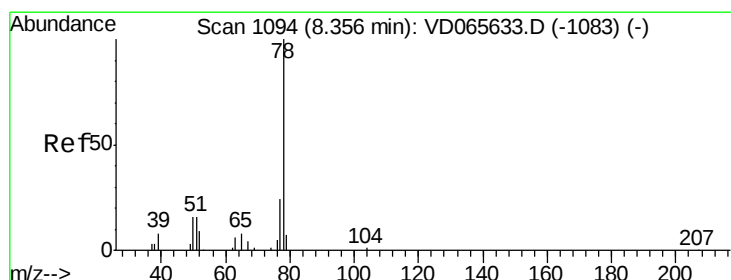
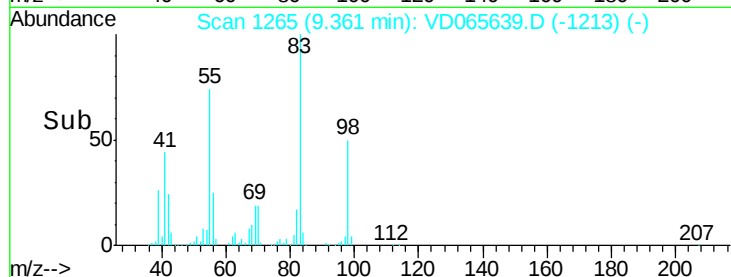
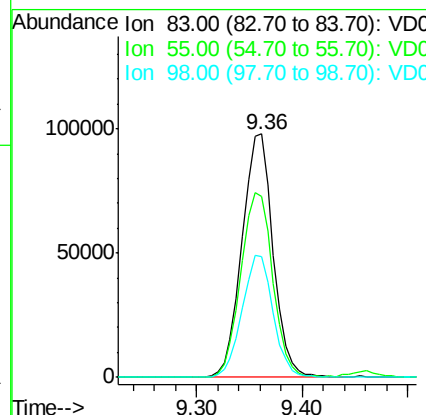
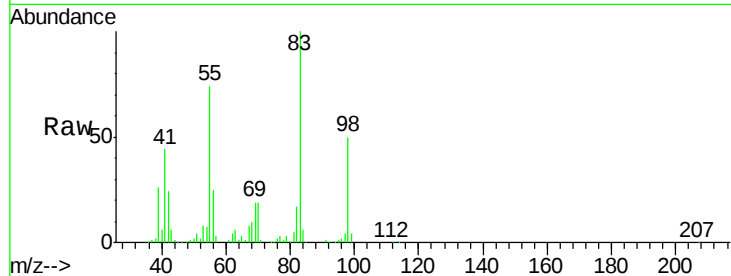
#39
Methvlcvclohexane
Concen: 52.489 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	Ratio	Resp	Lower	Upper
83	100	199789		
55	74.5	62.3	93.5	
98	49.8	40.5	60.7	

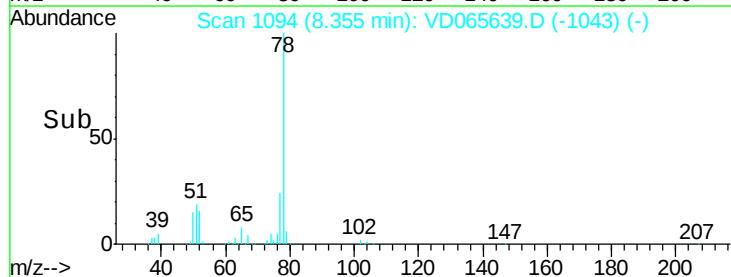
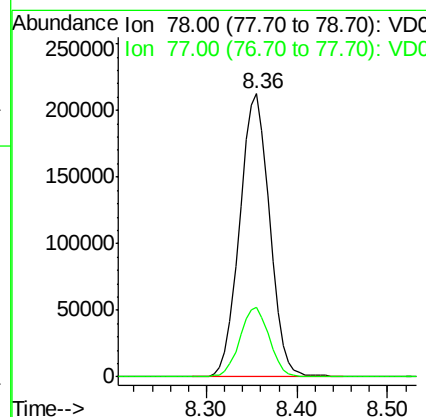
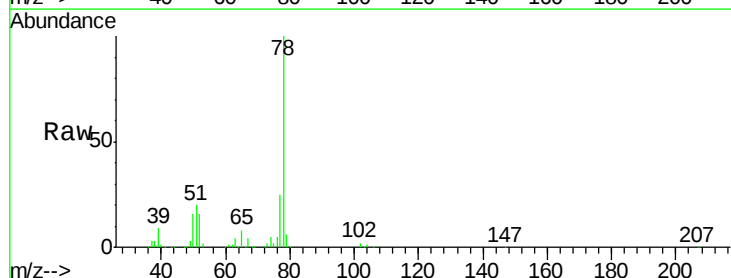
Manual Integrations
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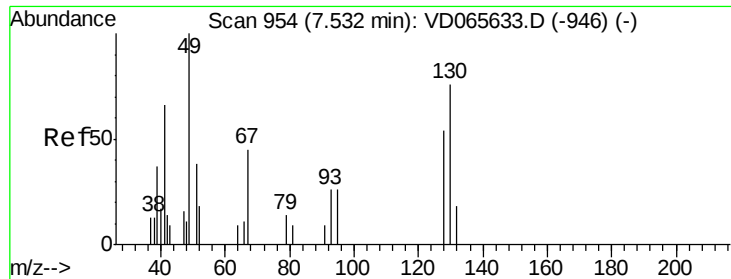
MMDadoda
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#40
Benzene
Concen: 51.959 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	488639		
77	24.5	18.9	28.3	





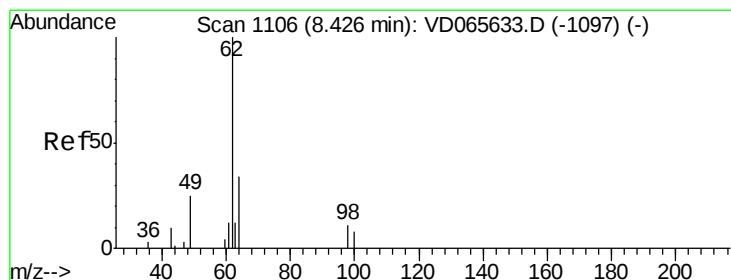
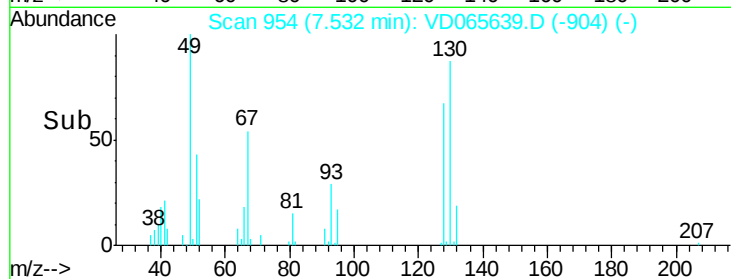
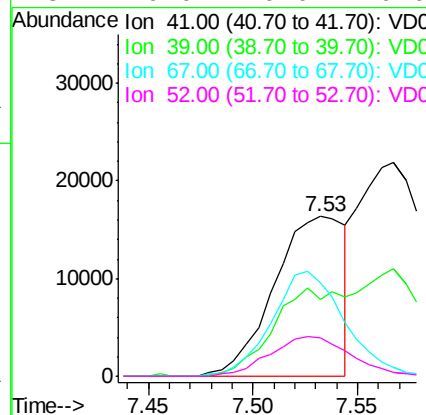
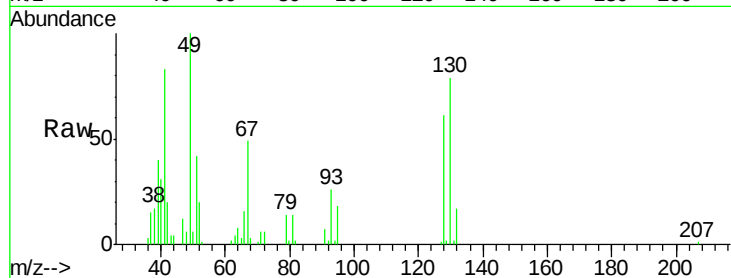
#41
Methacrylonitrile
Concen: 59.853 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	41	Resp	38668
Ion	Ratio	Lower	Upper
41	100		
39	58.2	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

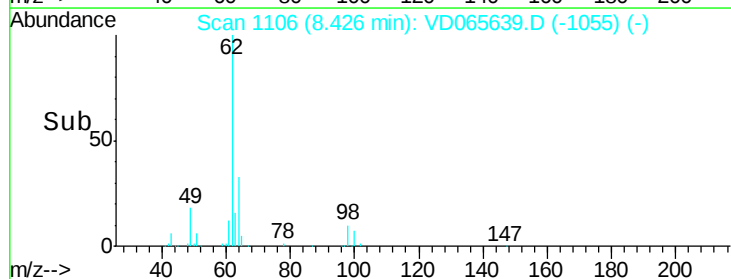
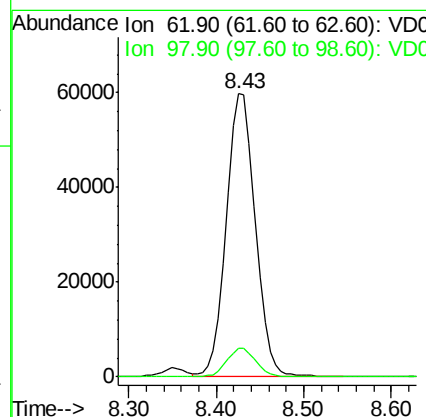
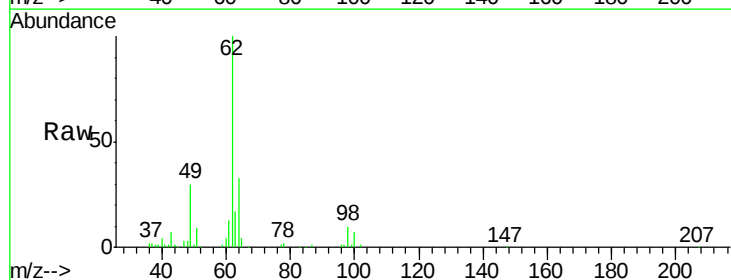
Manual Integrations
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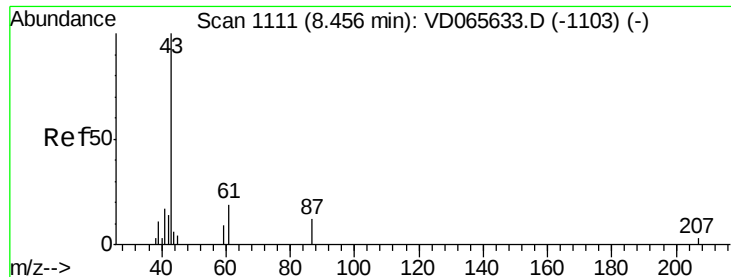
MMDadoda
4/16/2020 3:13:44 PM



#42
1,2-Dichloroethane
Concen: 52.939 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	62	Resp	136442
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6





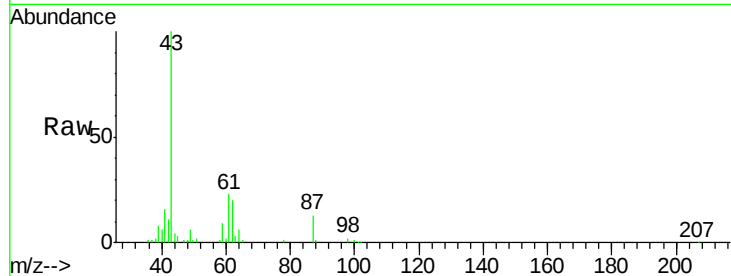
#43
Isopropyl Acetate
Concen: 51.805 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

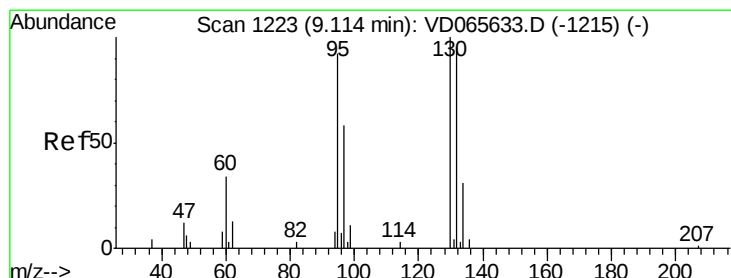
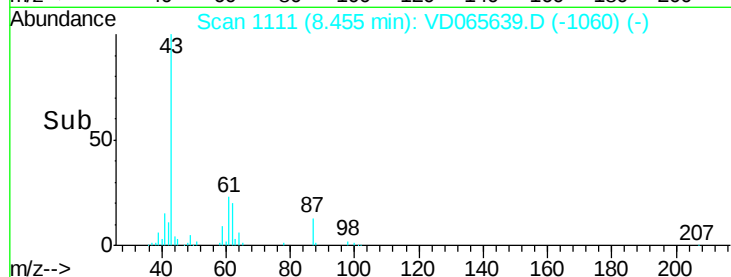
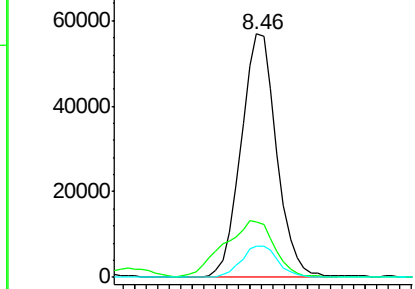
Tot Ion	43	Resp	121687
Ion	Ratio	Lower	Upper
43	100		
61	33.0	25.0	37.6
87	13.3	9.9	14.9

Manual Integrations
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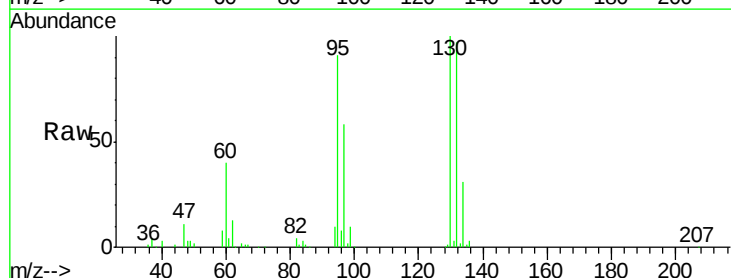


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

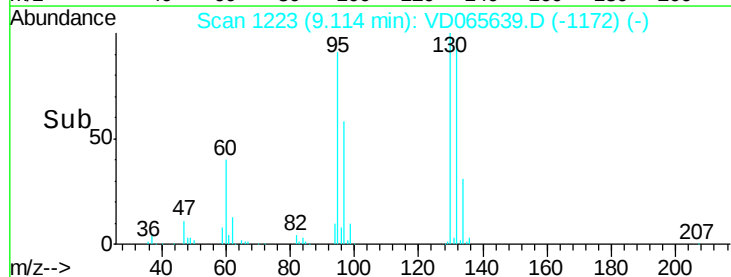
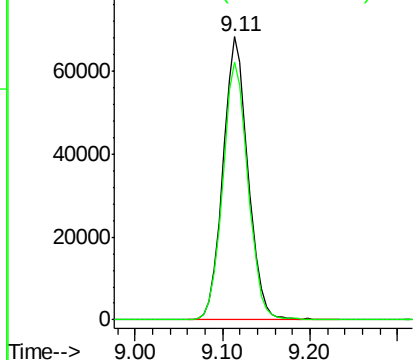


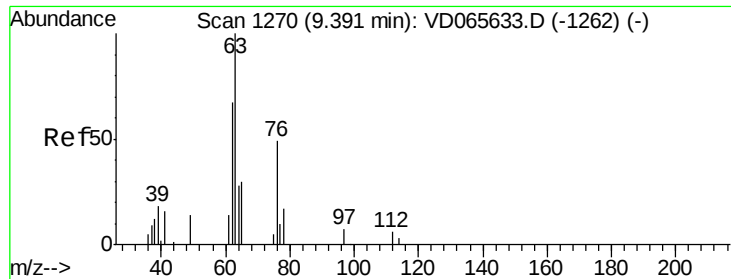
#44
Trichloroethene
Concen: 50.880 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	130	Resp	133941
Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.149 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

Tot Ion: 63 Resp: 120360

Ion Ratio Lower Upper

63 100

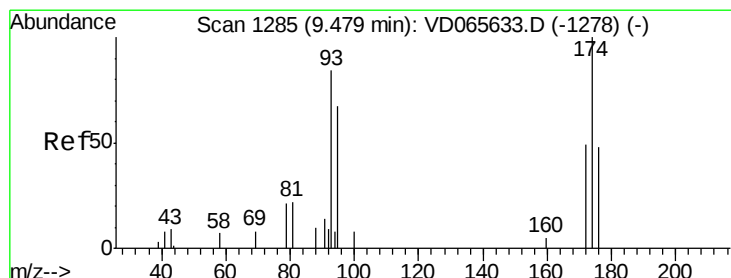
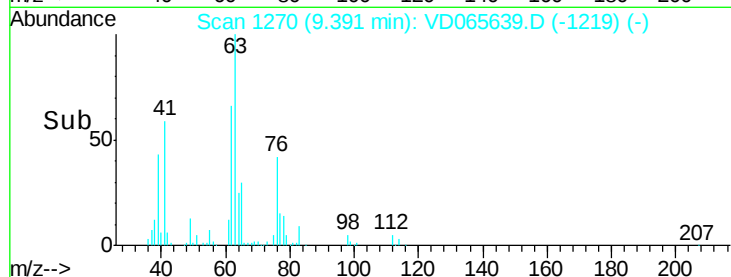
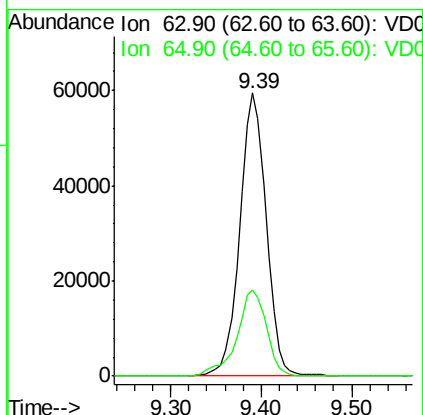
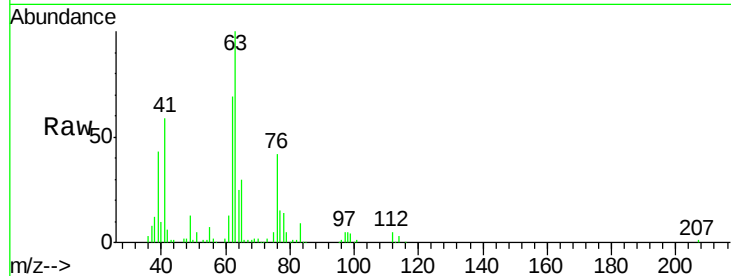
65 30.3 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 52.947 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

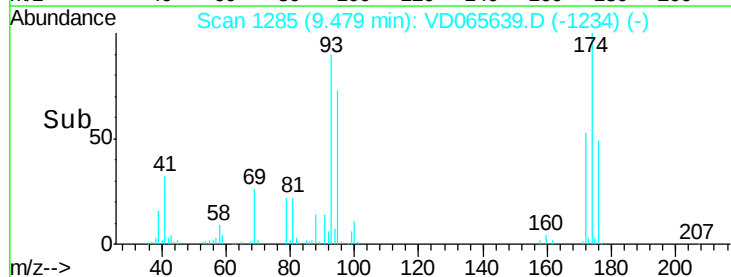
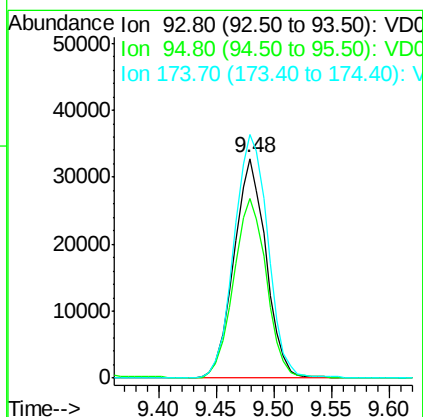
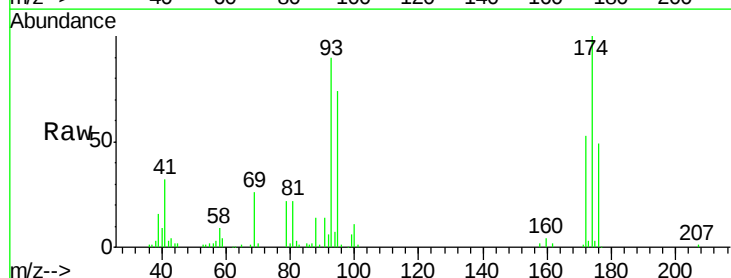
Tgt Ion: 93 Resp: 63195

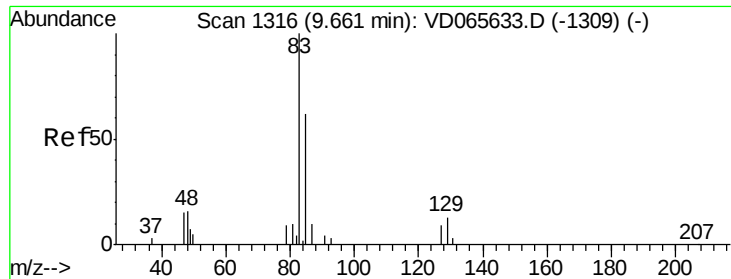
Ion Ratio Lower Upper

93 100

95 83.7 67.4 101.2

174 116.9 94.1 141.1





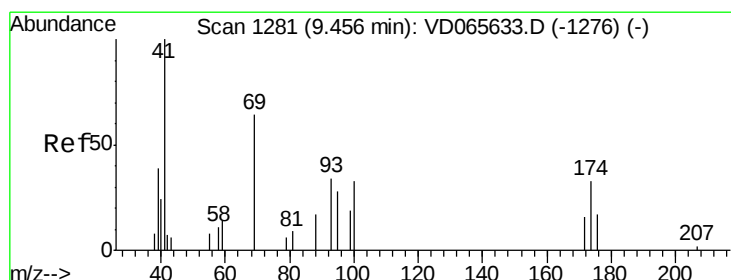
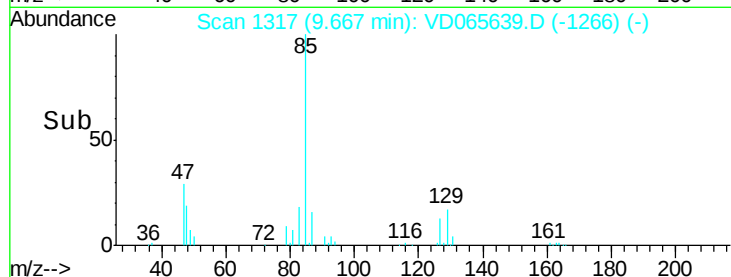
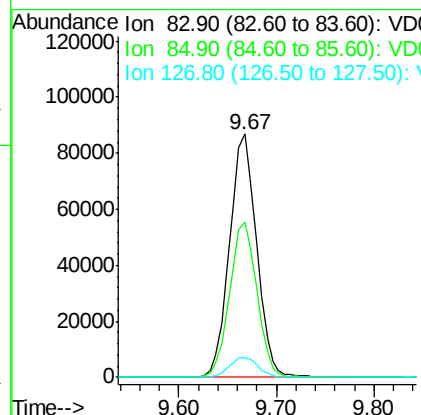
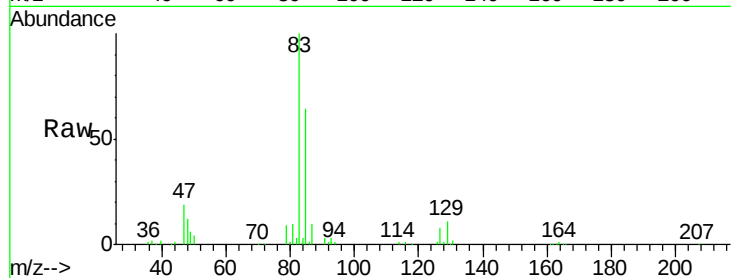
#47
Bromodichloromethane
Concen: 52.733 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	Ratio	Resp	Lower	Upper
83	100	167600		
85	63.9	49.8	74.8	
127	8.1	6.6	9.8	

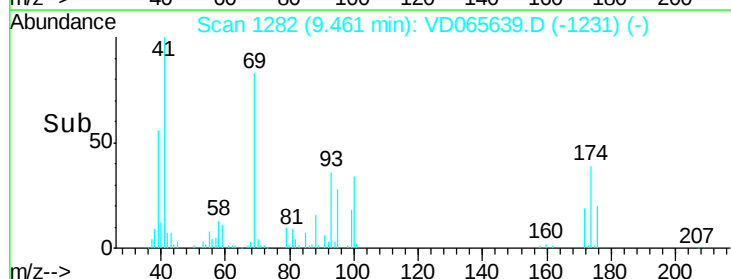
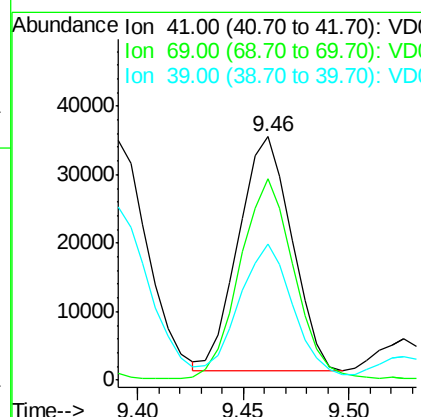
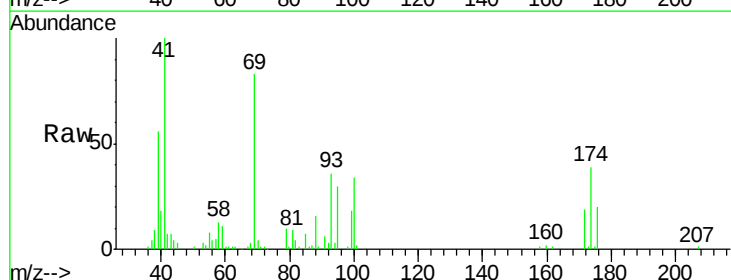
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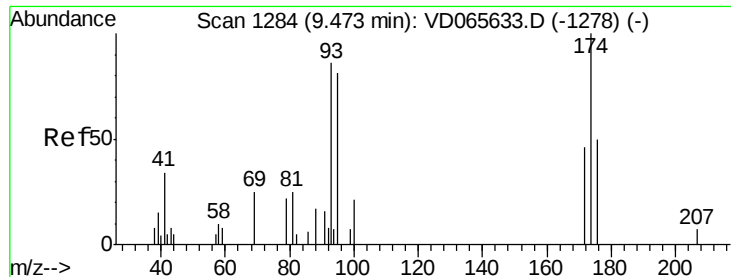
MMDadoda
4/16/2020 3:13:44 PM



#48
Methyl methacrylate
Concen: 47.561 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	59651		
69	89.6	66.8	100.2	
39	55.1	39.6	59.4	





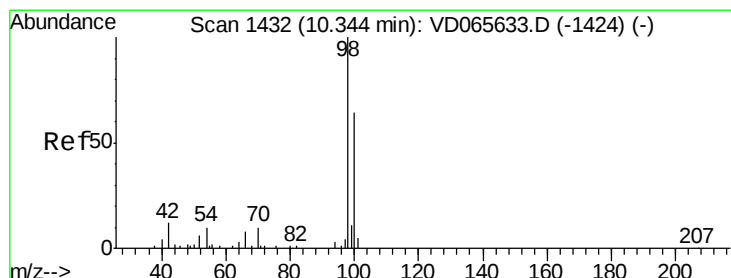
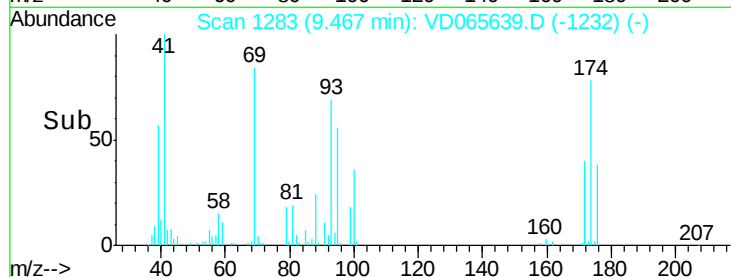
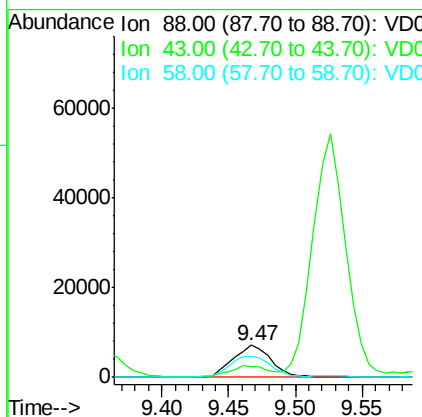
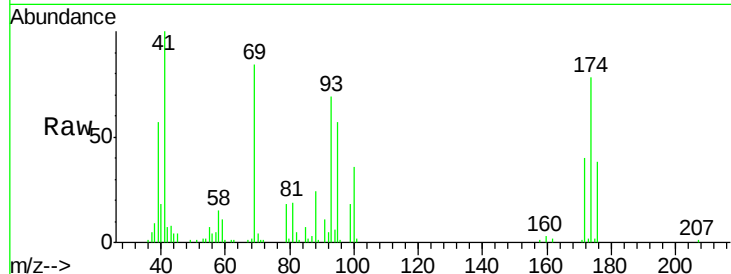
#49
1,4-Dioxane
Concen: 978.330 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	88	Resp	14200
Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.1	42.1
58	72.4	55.7	83.5

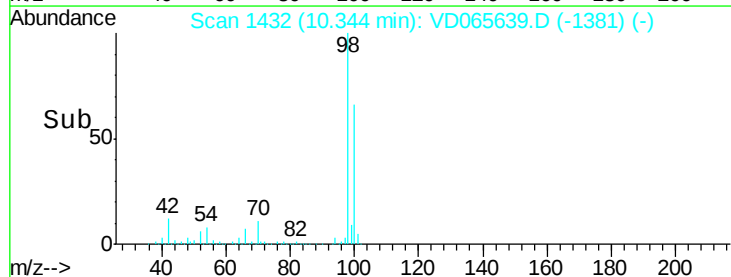
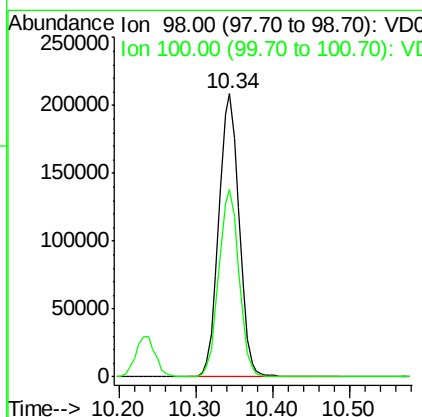
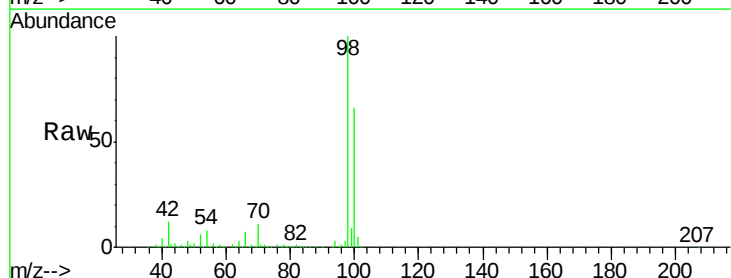
Manual Integrations
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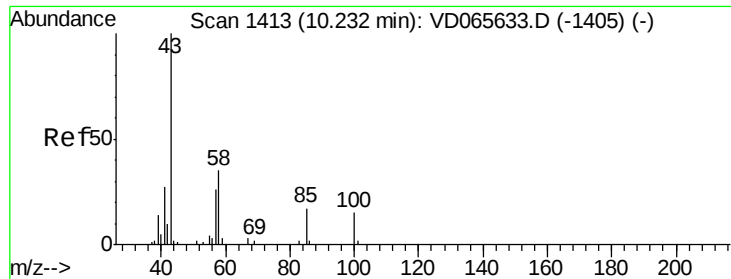
MMDadoda
4/16/2020 3:13:44 PM



#50
Toluene-d8
Concen: 49.127 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	98	Resp	381805
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 248.409 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

Tot Ion: 43 Resp: 325701

Ion Ratio Lower Upper

43 100

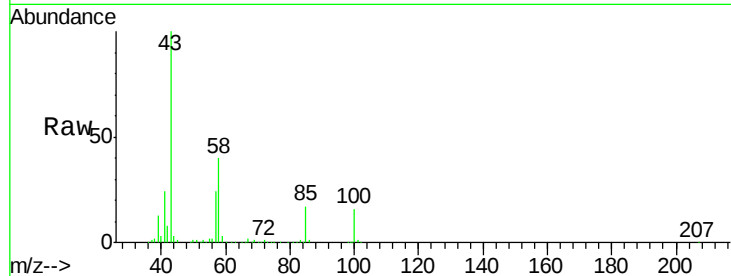
58 38.7 31.1 46.7

Manual Integrations

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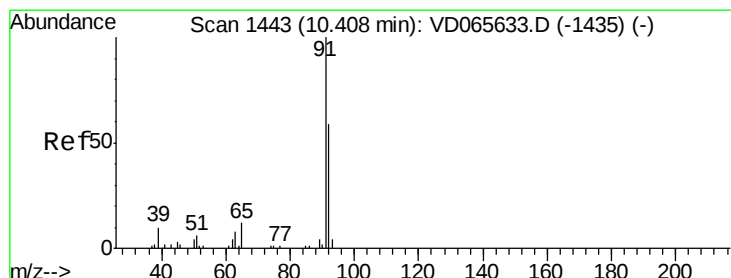
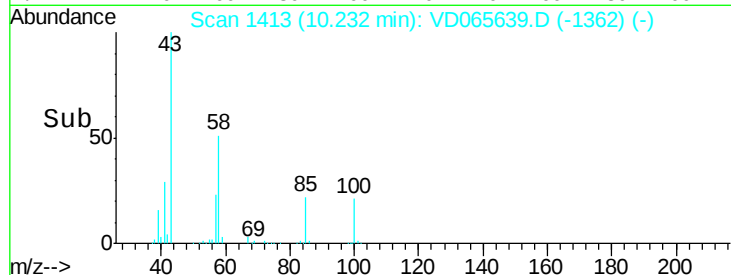
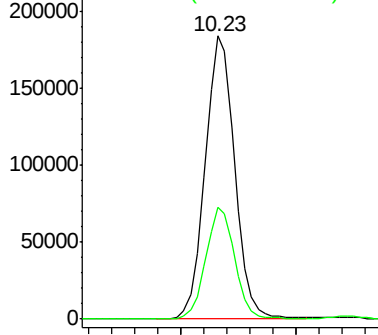
MMDadoda

4/16/2020 3:13:44 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.637 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065639.D

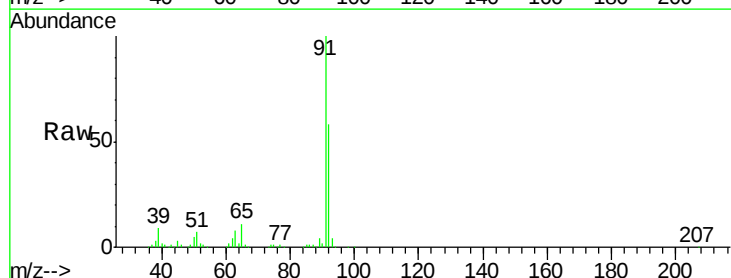
Acq: 15 Apr 2020 17:51

Tgt Ion: 92 Resp: 310957

Ion Ratio Lower Upper

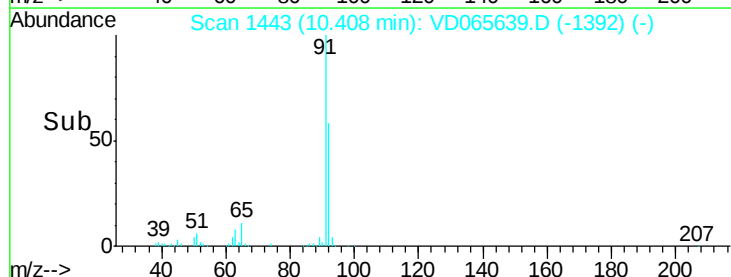
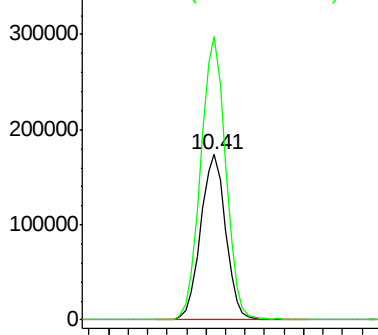
92 100

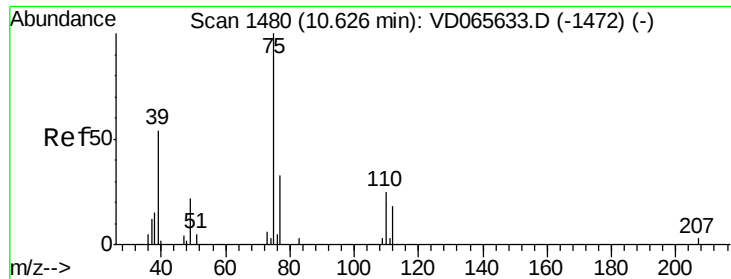
91 170.9 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





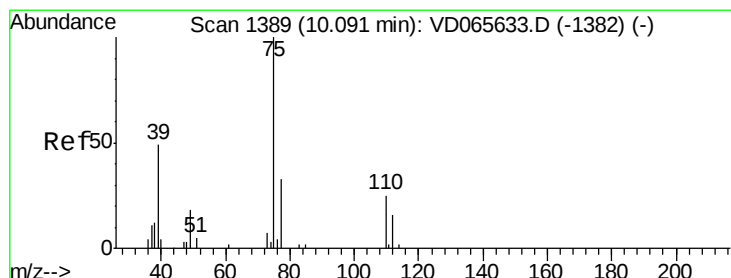
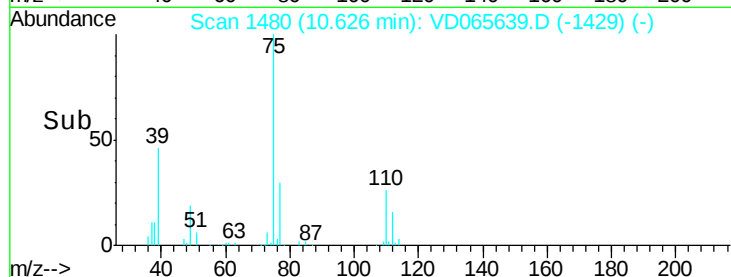
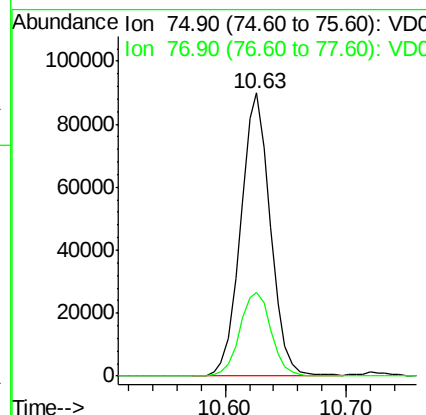
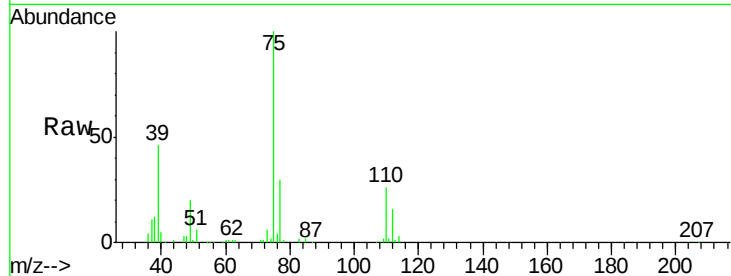
#53
t-1,3-Dichloropropene
Concen: 52.748 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	75	Resp	153935
Ion Ratio	Lower	Upper	
75	100		
77	29.7	24.8	37.2

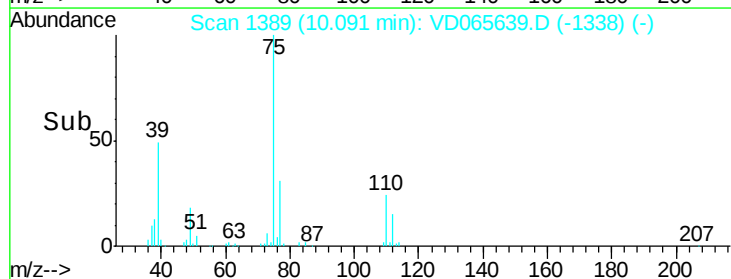
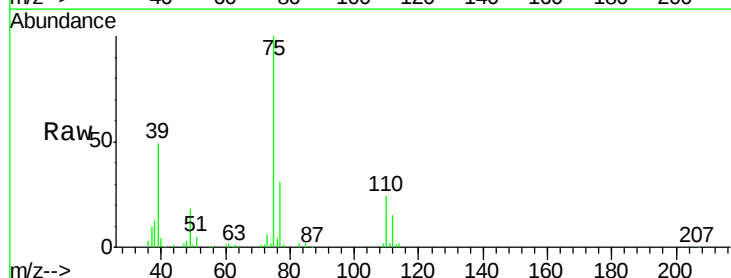
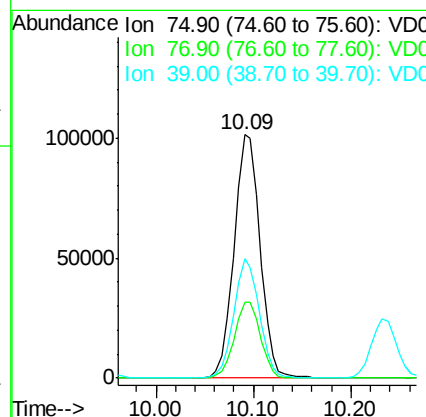
Manual Integrations
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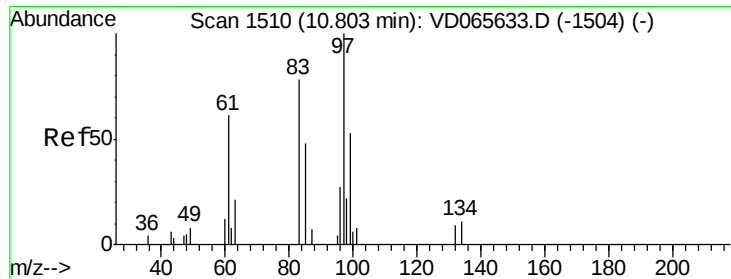
MMDadoda
4/16/2020 3:13:44 PM



#54
cis-1,3-Dichloropropene
Concen: 53.054 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	75	Resp	187383
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.2	37.8
39	48.8	38.7	58.1





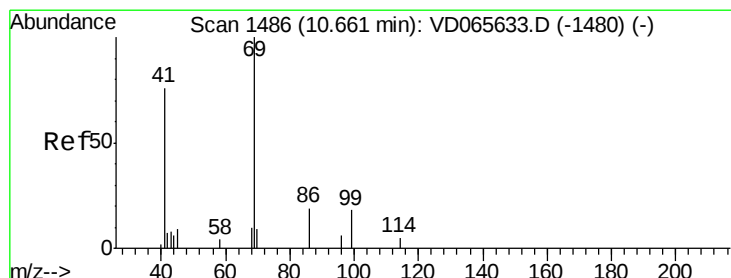
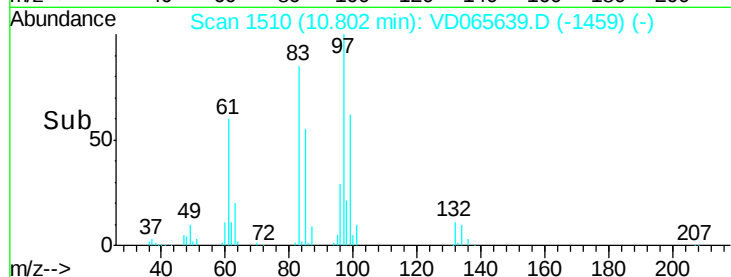
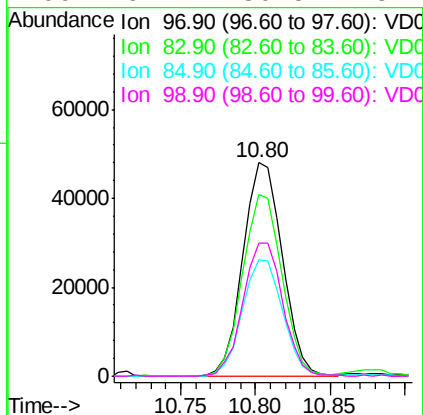
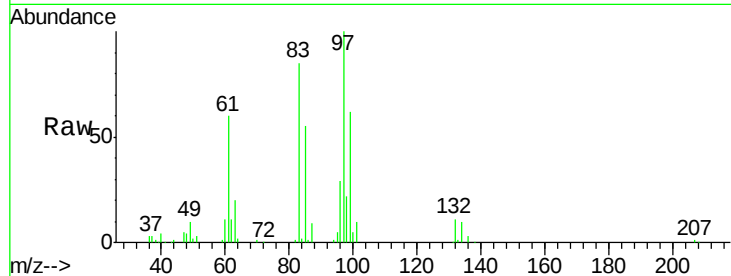
#55
 1,1,2-Trichloroethane
 Concen: 52.054 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Tot Ion	Ratio	Resp	Lower	Upper
97	100	87876		
83	85.3	67.4	101.0	
85	54.5	43.4	65.0	
99	62.1	50.5	75.7	

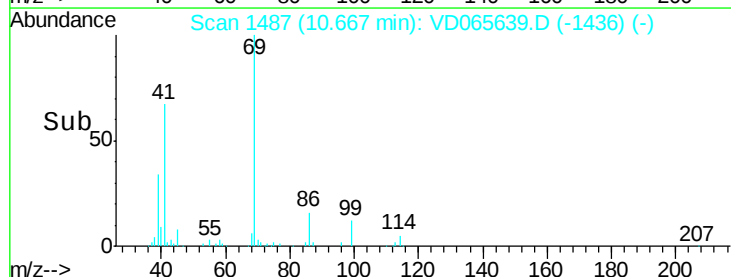
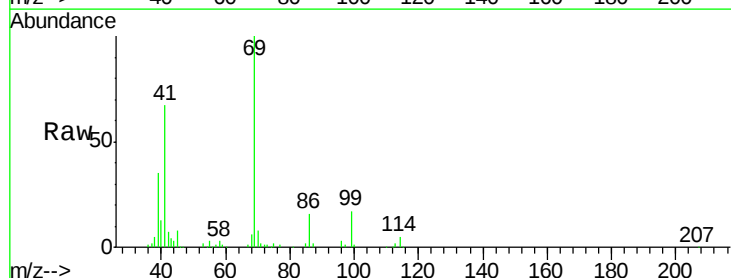
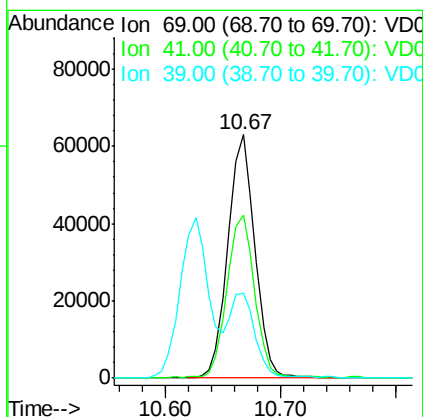
Manual Integrations
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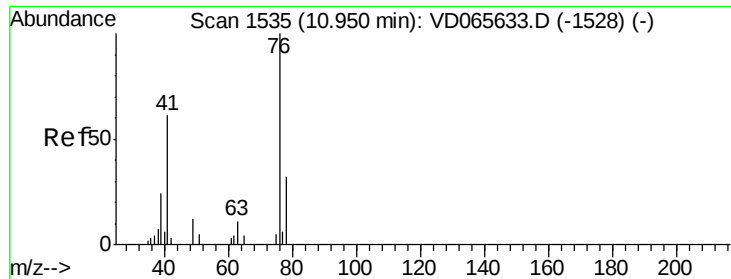
MMDadoda
 4/16/2020 3:13:44 PM



#56
 Ethyl methacrylate
 Concen: 48.581 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	102446		
41	69.3	56.2	84.4	
39	32.3	26.6	39.8	





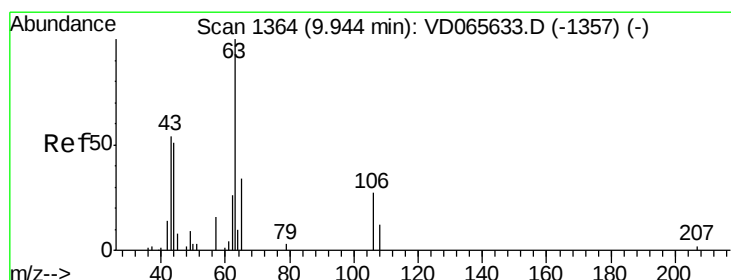
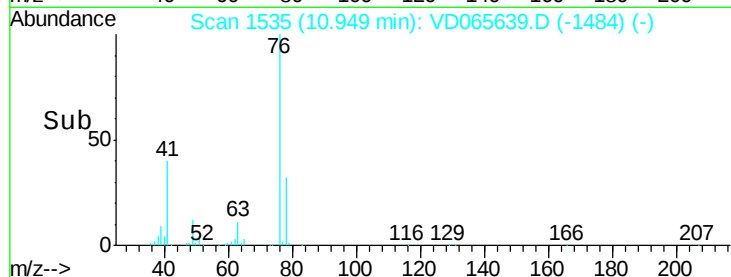
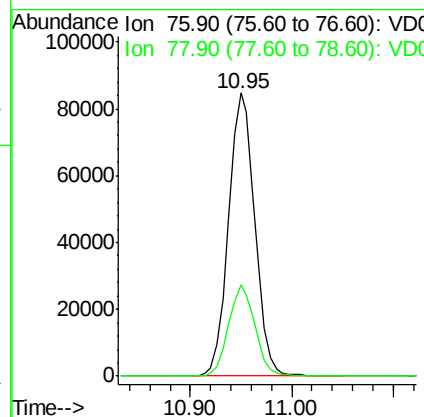
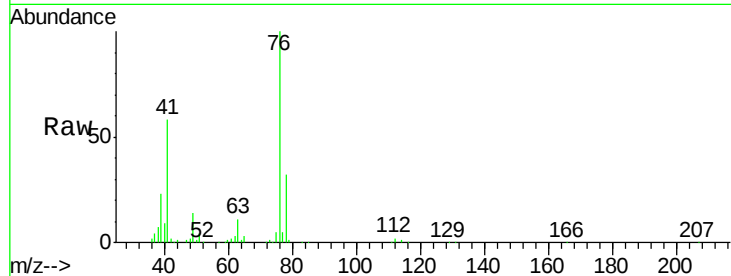
#57
 1,3-Dichloropropane
 Concen: 52.884 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Tot Ion: 76 Resp: 152022
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.1 39.1

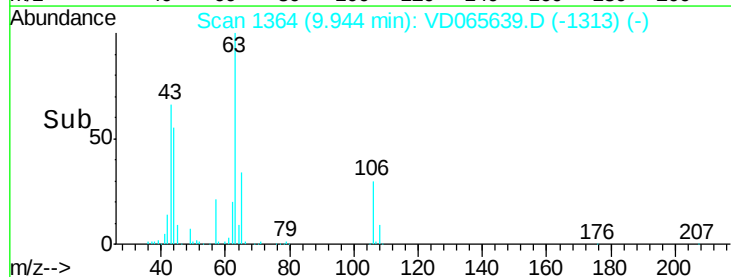
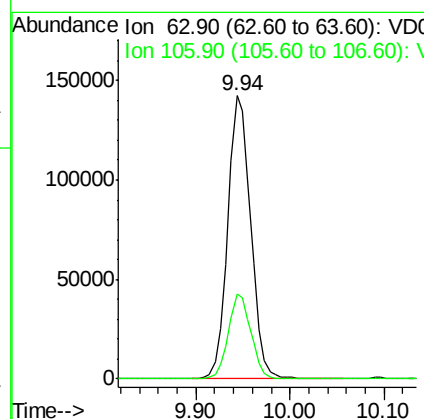
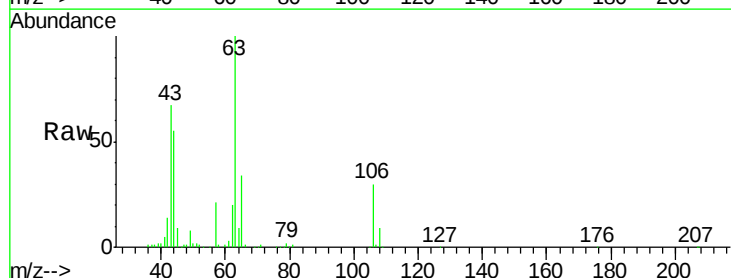
Manual Integrations
 APPROVED

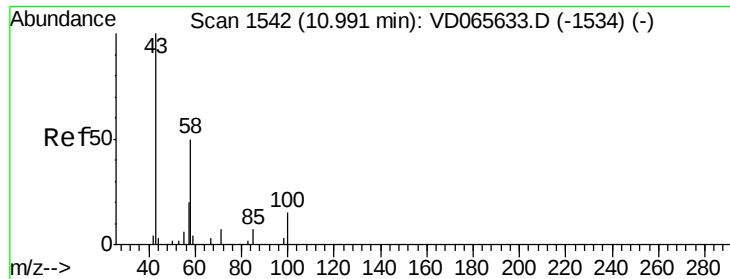
MMDadoda
 4/16/2020 3:13:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 239.040 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion: 63 Resp: 241823
 Ion Ratio Lower Upper
 63 100
 106 29.4 23.8 35.6





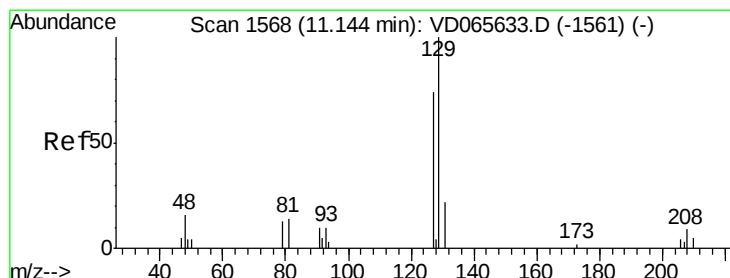
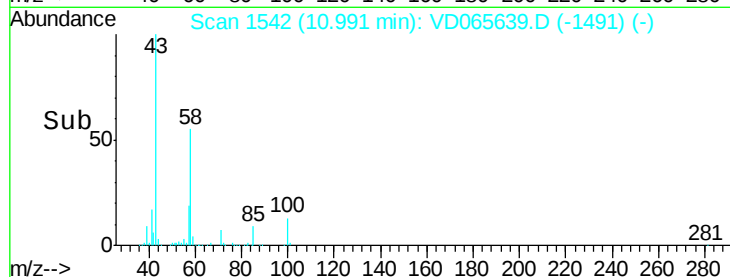
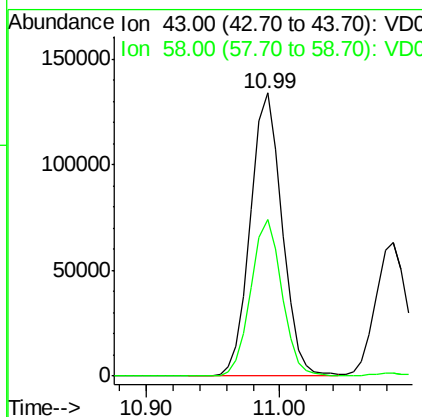
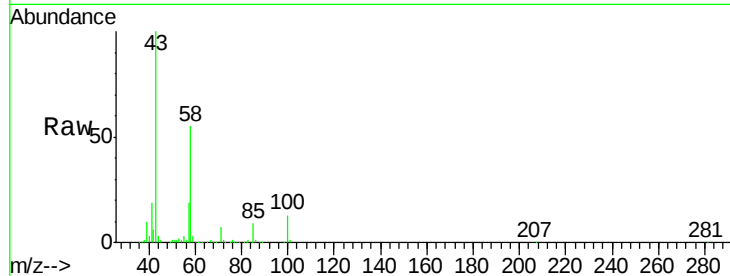
#59
2-Hexanone
Concen: 244.430 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion: 43 Resp: 219971
Ion Ratio Lower Upper
43 100
58 54.3 26.5 79.4

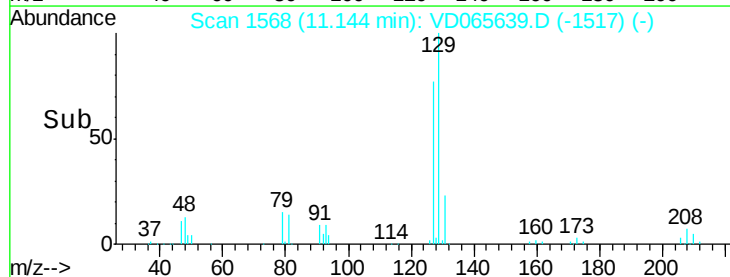
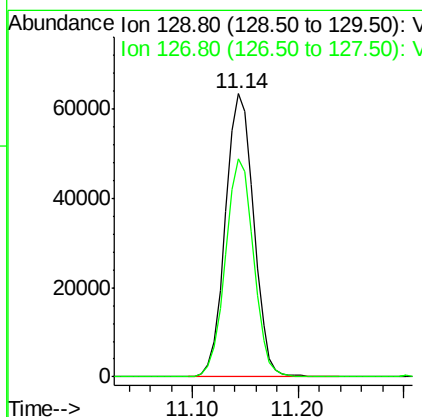
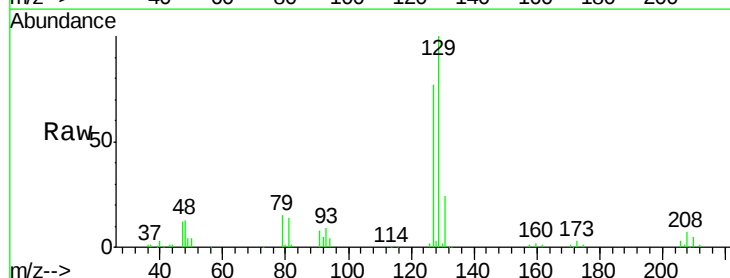
Manual Integrations
APPROVED

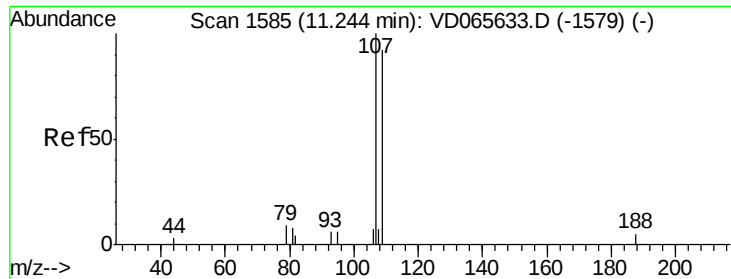
MMDadoda
4/16/2020 3:13:44 PM



#60
Dibromochloromethane
Concen: 52.817 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion: 129 Resp: 117436
Ion Ratio Lower Upper
129 100
127 76.5 38.8 116.3





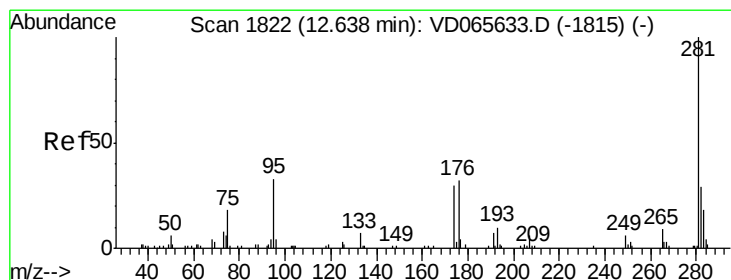
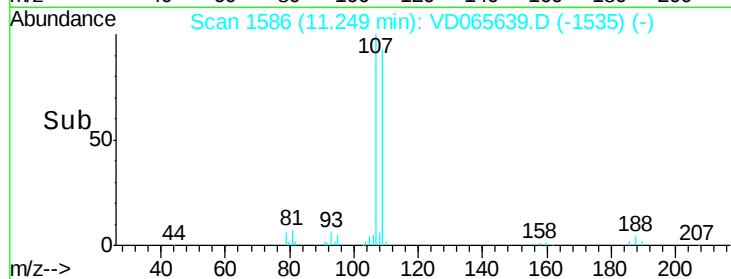
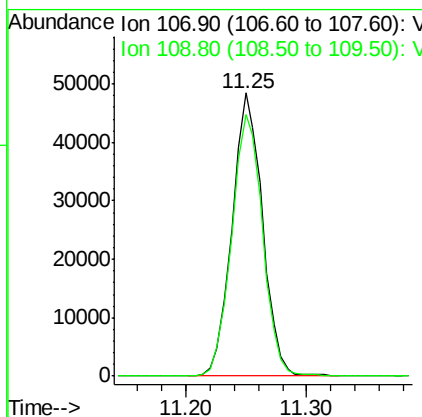
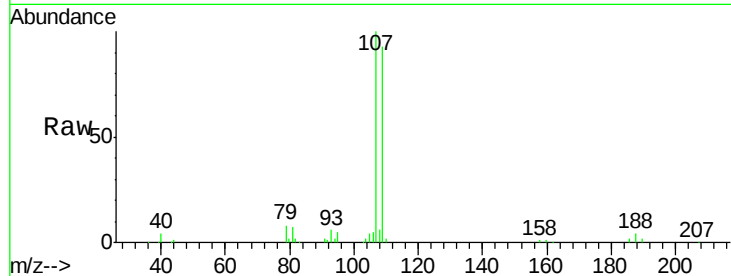
#61
 1,2-Dibromoethane
 Concen: 52.260 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	74.6	112.0

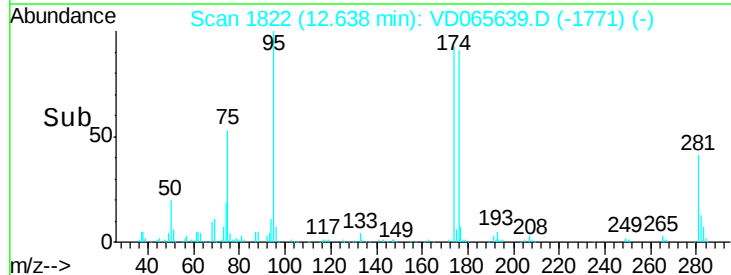
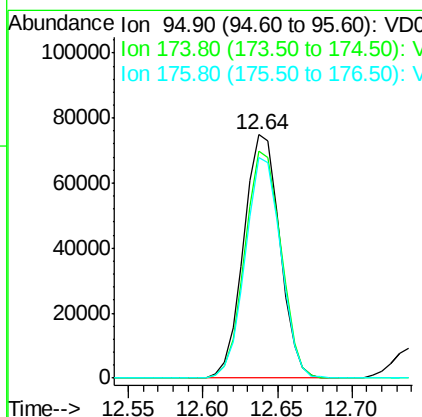
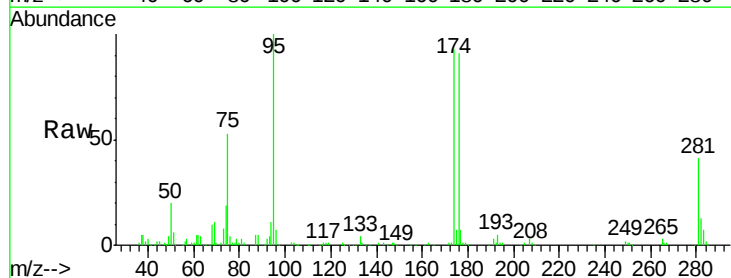
Manual Integrations
 APPROVED

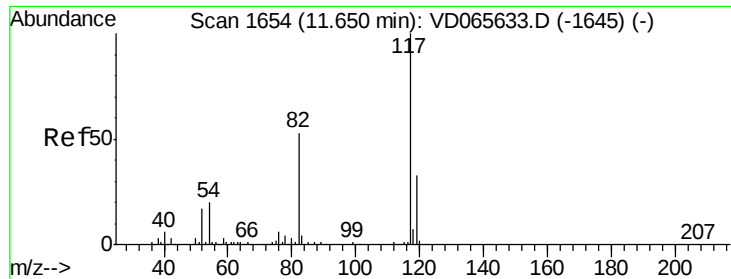
MMDadoda
 4/16/2020 3:13:44 PM



#62
 4-Bromofluorobenzene
 Concen: 48.508 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.1	0.0	183.8
176	89.4	0.0	181.4





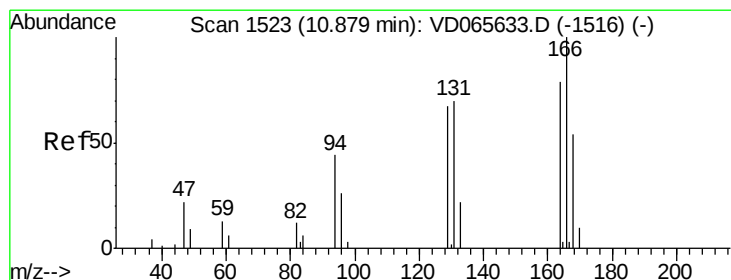
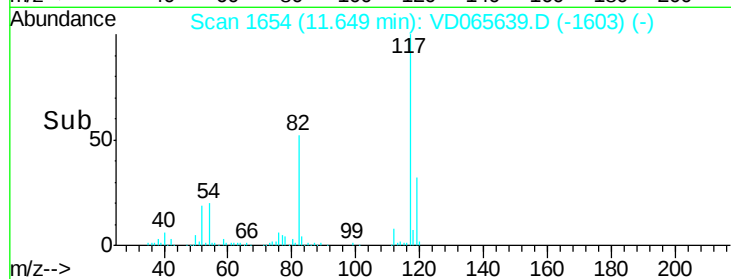
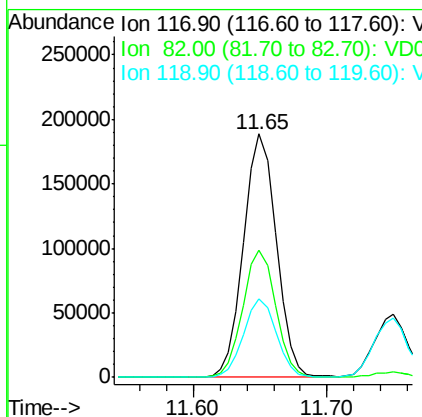
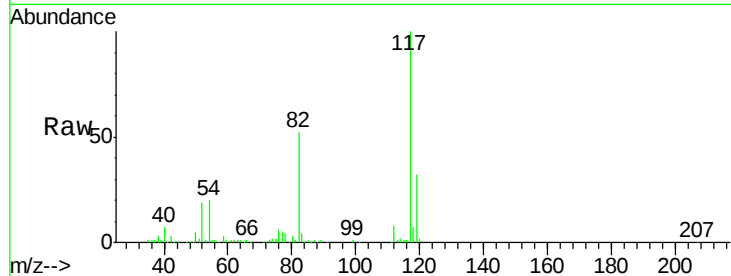
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	43.2	64.8
119	32.1	26.2	39.4

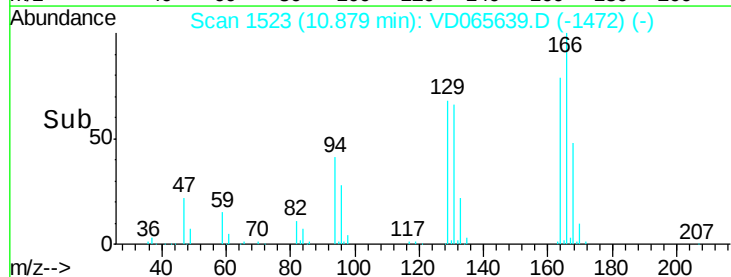
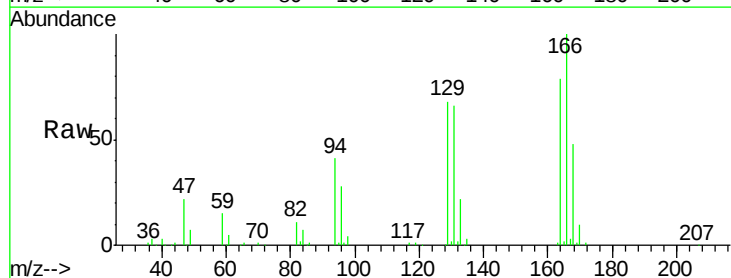
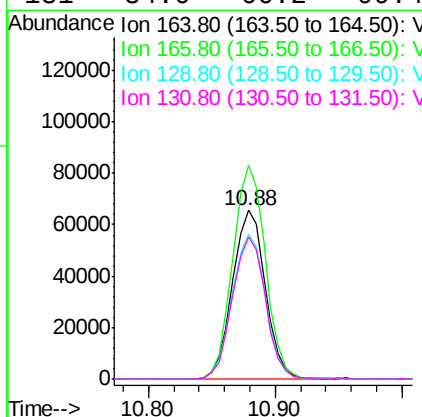
Manual Integrations
APPROVED

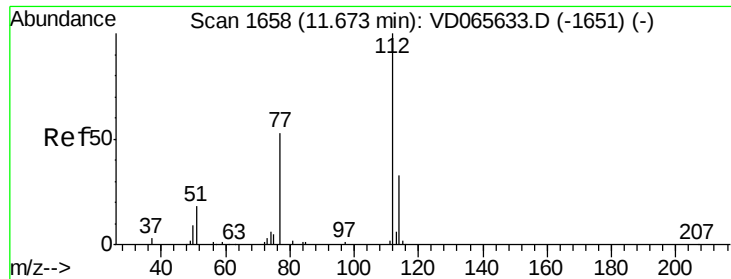
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#64
Tetrachloroethene
Concen: 50.758 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.3	153.5
129	85.7	71.7	107.5
131	84.0	66.2	99.4





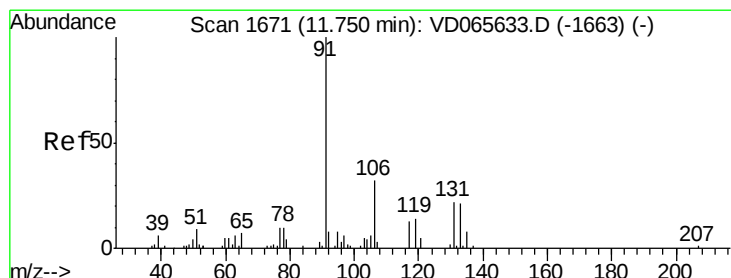
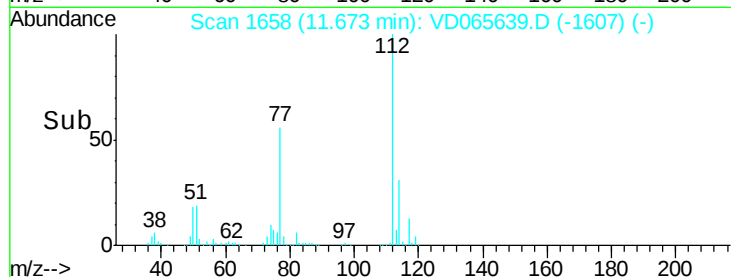
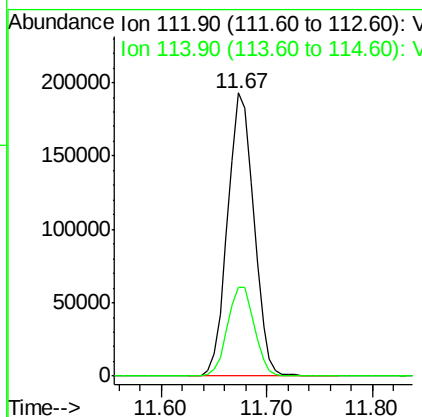
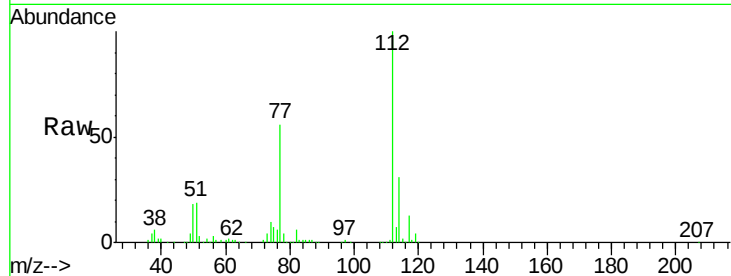
#65
Chlorobenzene
Concen: 52.010 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.3	37.9

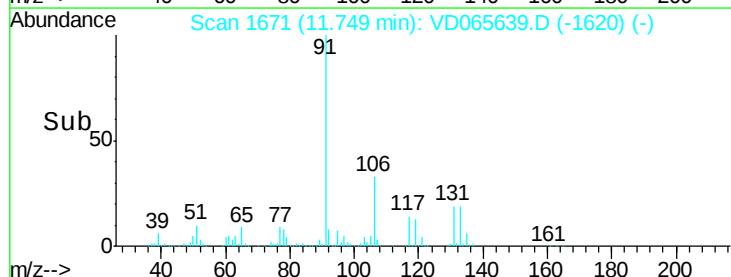
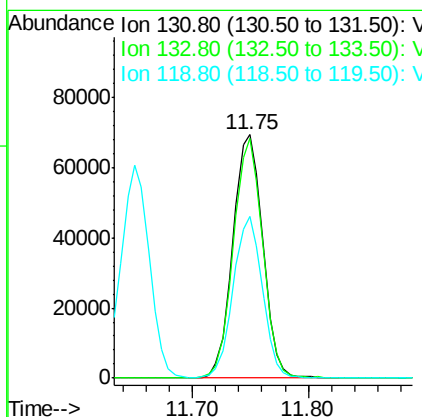
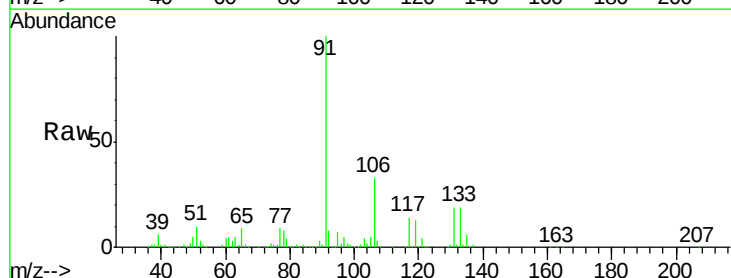
Manual Integrations
APPROVED

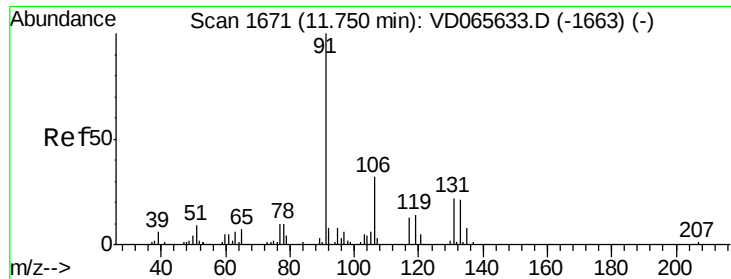
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.151 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.7	143.1
119	65.0	32.6	97.7





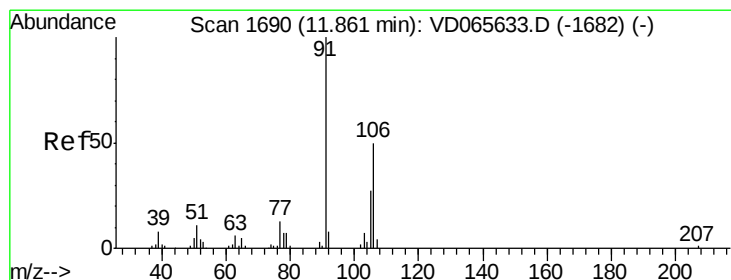
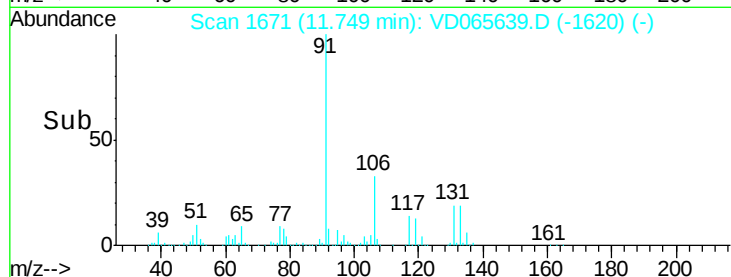
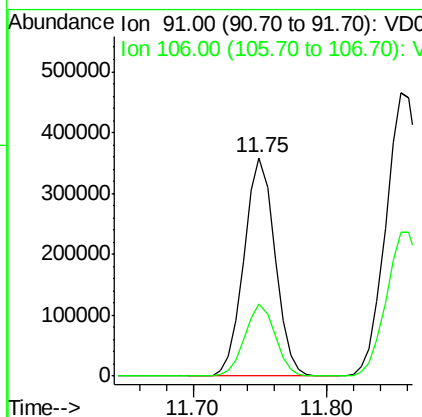
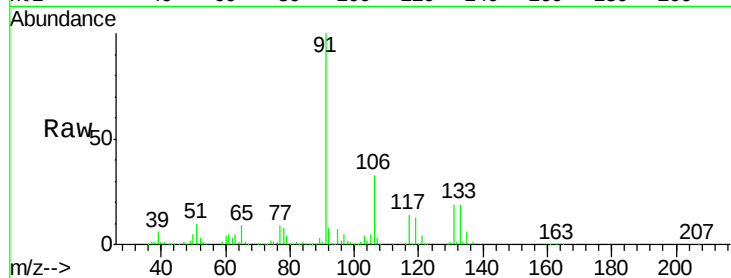
#67
Ethyl Benzene
Concen: 52.984 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion: 91 Resp: 576931
Ion Ratio Lower Upper
91 100
106 32.8 25.1 37.7

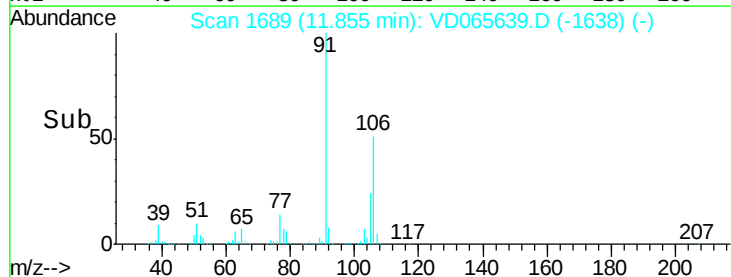
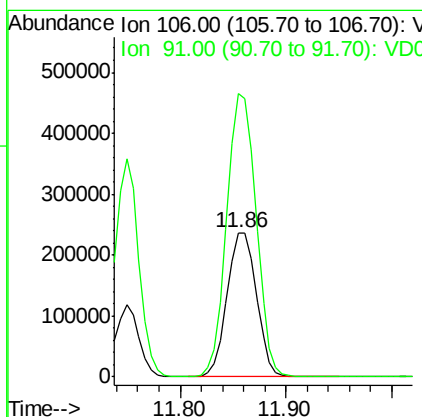
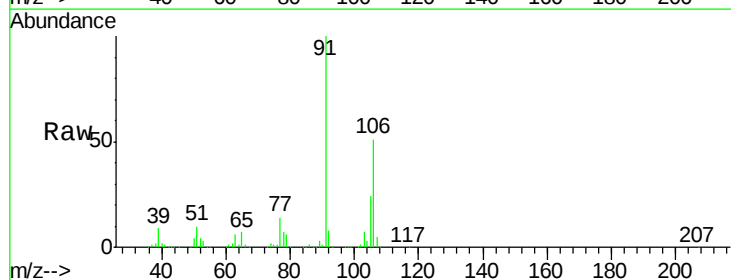
Manual Integrations
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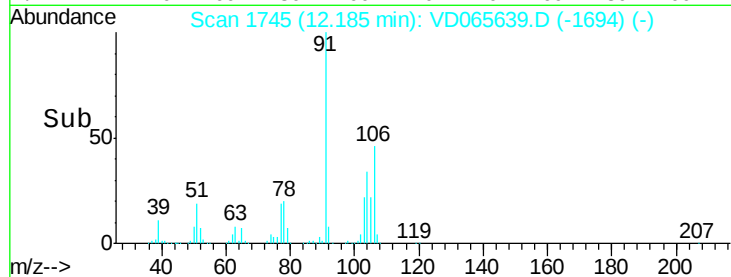
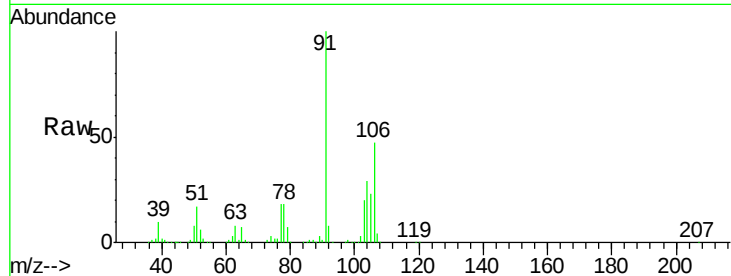
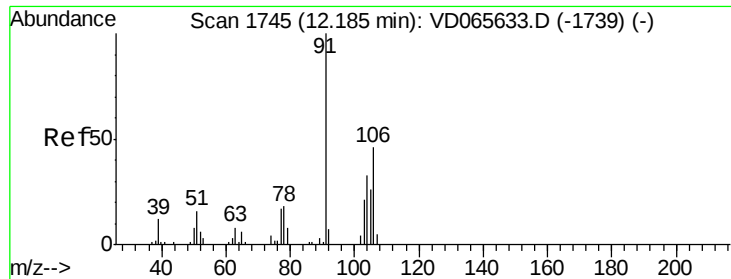
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#68
m/p-Xylenes
Concen: 108.534 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion: 106 Resp: 456567
Ion Ratio Lower Upper
106 100
91 196.4 157.9 236.9





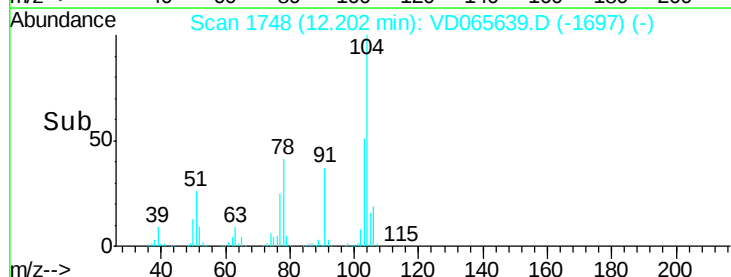
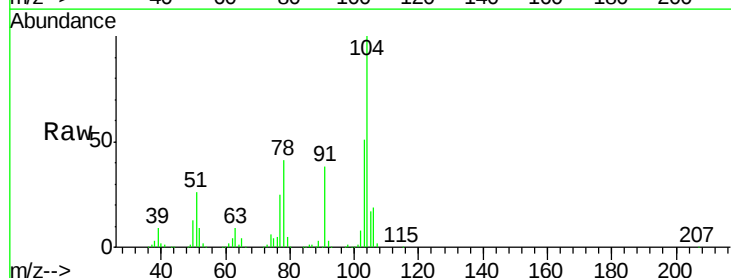
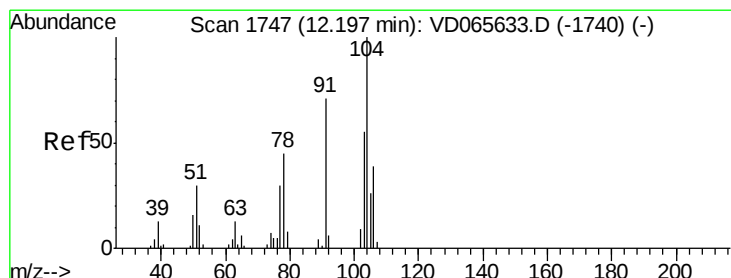
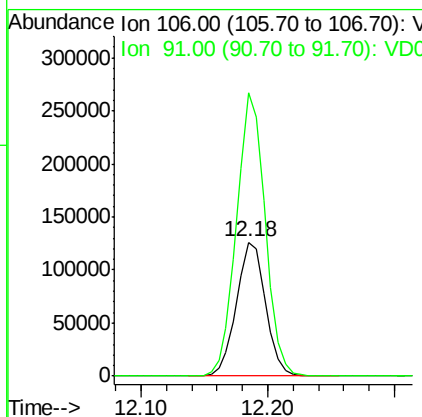
#69
o-Xylene
Concen: 54.266 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tot Ion:106 Resp: 200298
Ion Ratio Lower Upper
106 100
91 208.4 103.6 310.9

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

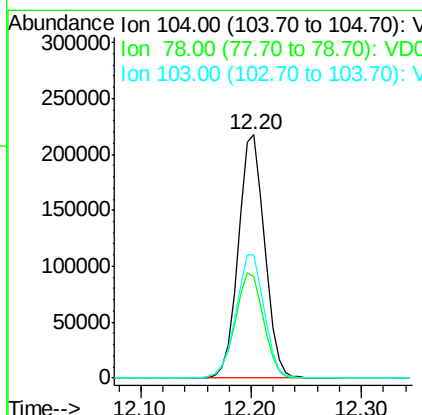
Manual Integrations
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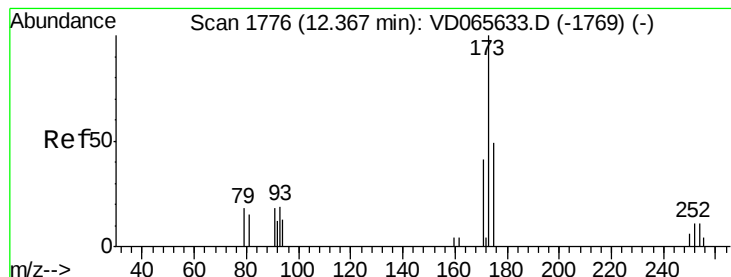
MMDadoda
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#70
Styrene
Concen: 55.891 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion:104 Resp: 365158
Ion Ratio Lower Upper
104 100
78 46.7 37.5 56.3
103 54.6 43.4 65.0





#71

Bromoform

Concen: 51.958 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

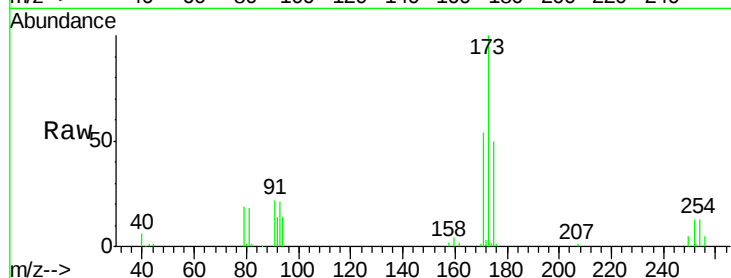
ClientSampleId :

ICVVD041520

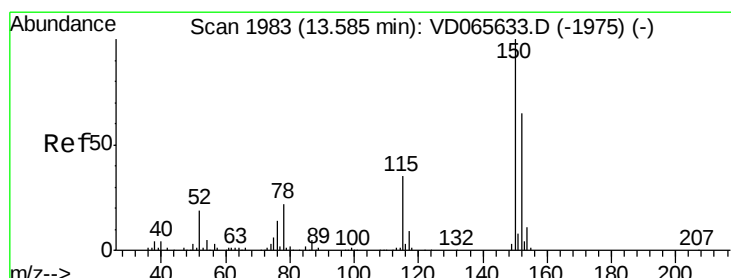
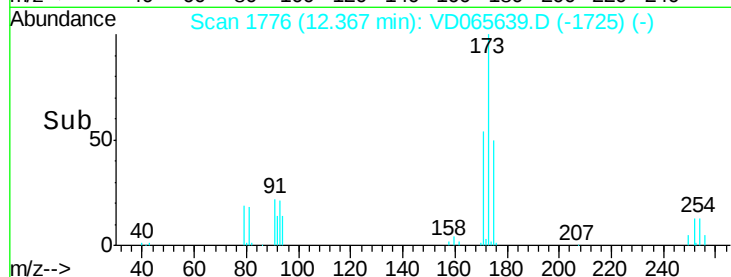
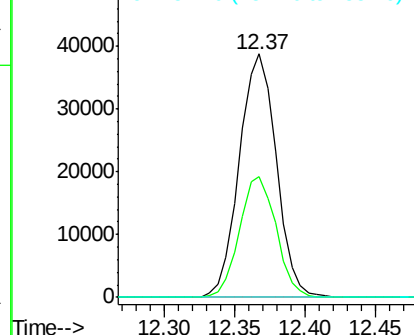
Tot Ion:	173	Resp:	71107
Ion	Ratio	Lower	Upper
173	100		
175	49.1	25.1	75.2
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

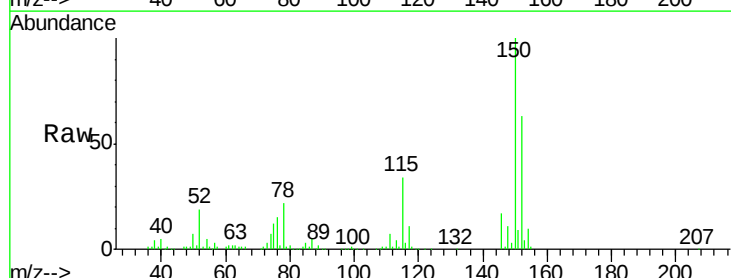
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

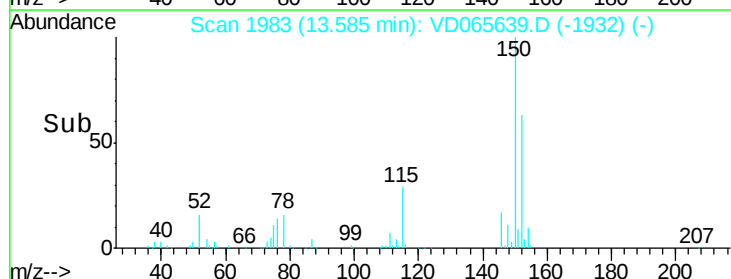
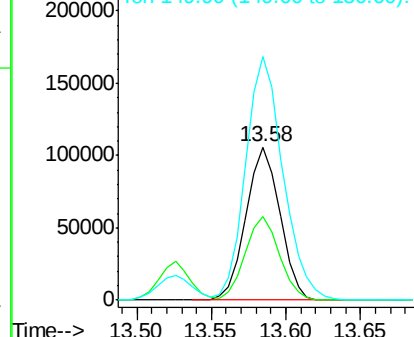
Lab File: VD065639.D

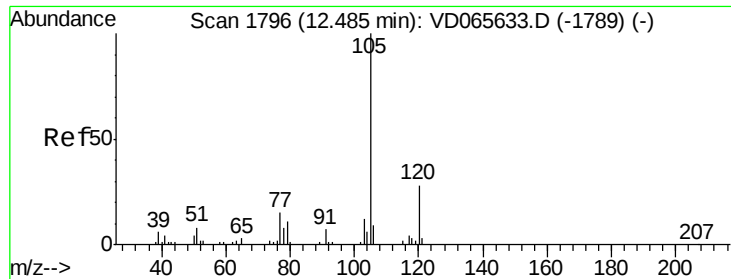
Acq: 15 Apr 2020 17:51

Tgt Ion:	152	Resp:	166893
Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.6	82.7
150	174.8	0.0	346.0



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





#73

Isopropylbenzene

Concen: 54.092 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

Tot Ion:105 Resp: 544478

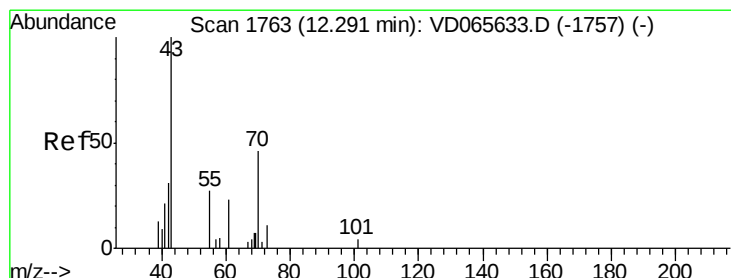
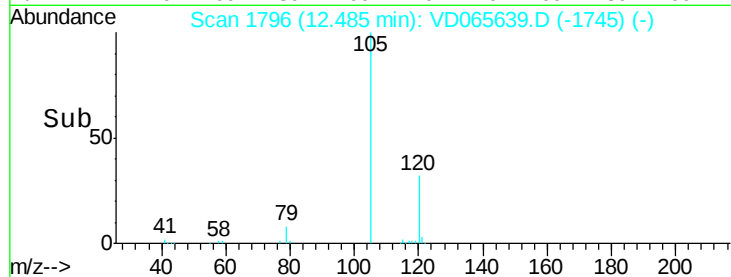
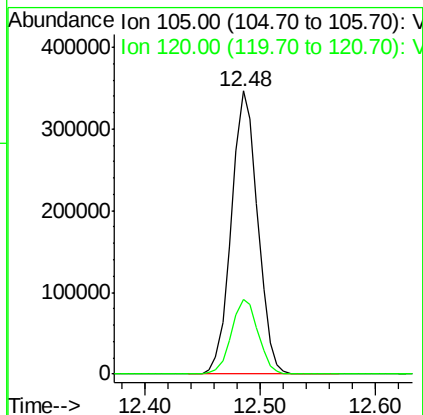
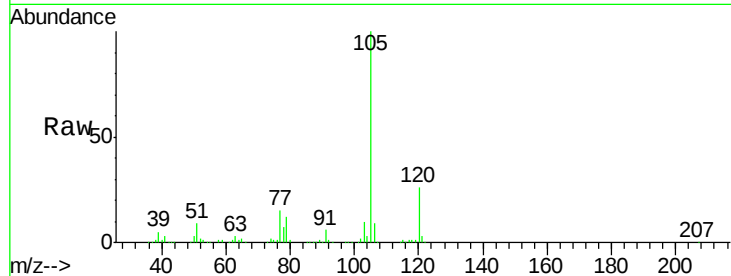
Ion Ratio Lower Upper

105 100

120 27.0 13.4 40.2

Manual Integrations
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#74

N-ethyl acetate

Concen: 48.281 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Tgt Ion: 43 Resp: 113639

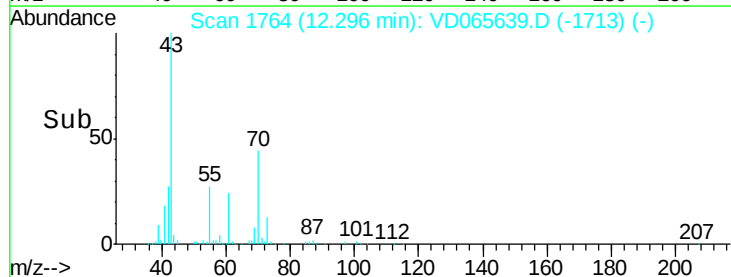
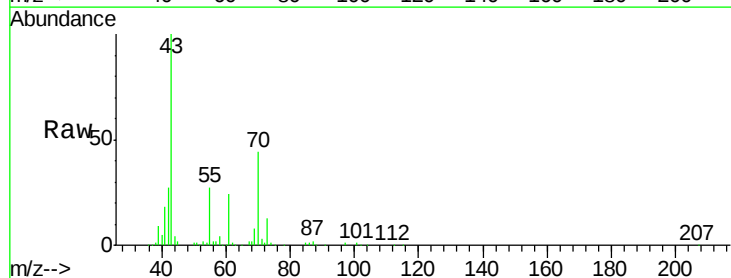
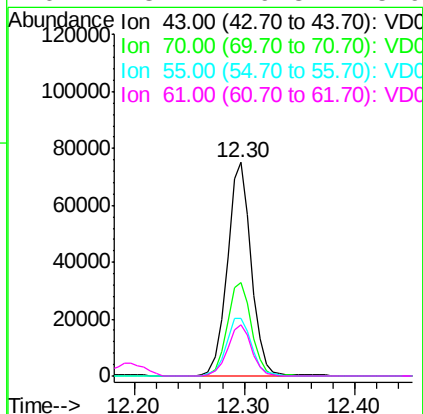
Ion Ratio Lower Upper

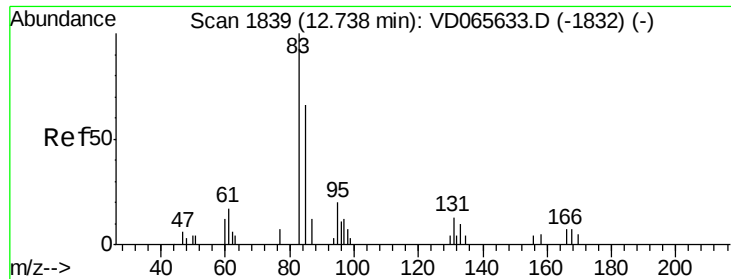
43 100

70 44.0 35.4 53.0

55 28.7 22.2 33.2

61 23.7 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.171 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

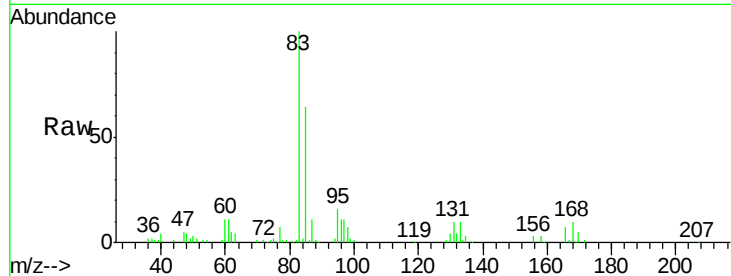
ClientSampleId :

ICVVD041520

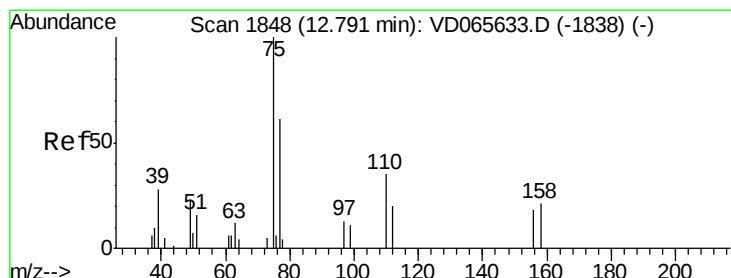
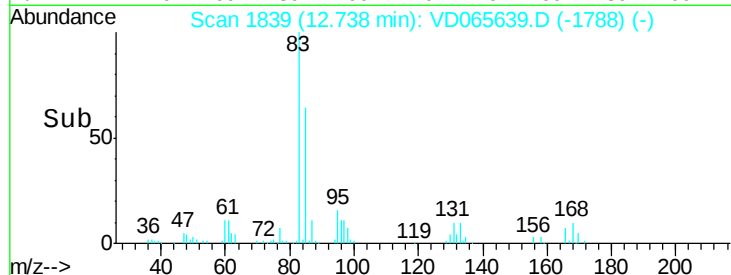
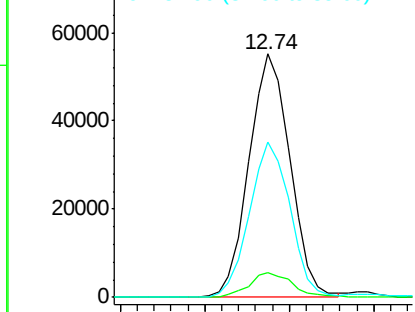
Tot Ion:	83	Resp:	93524
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.7	17.0
85	63.1	32.5	97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 55.459 ug/l m

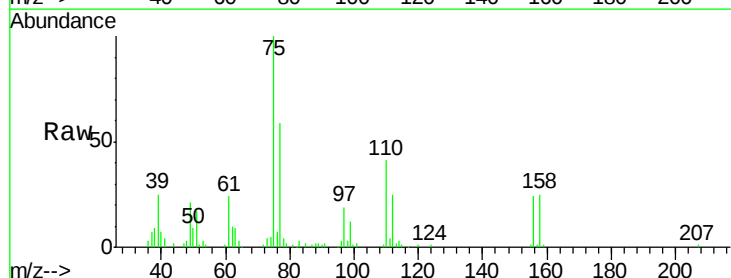
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

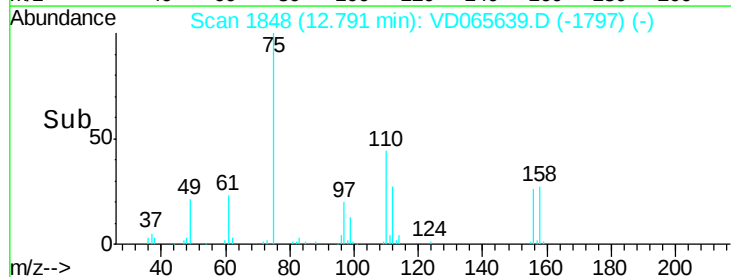
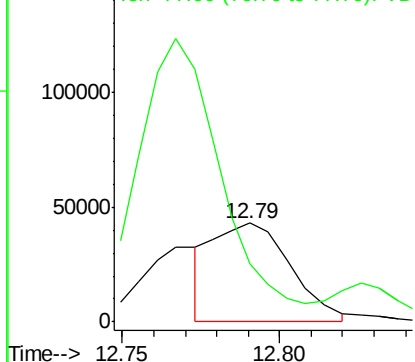
Lab File: VD065639.D

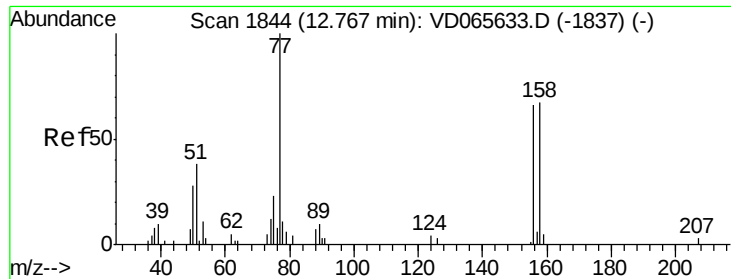
Acq: 15 Apr 2020 17:51

Tgt Ion:	75	Resp:	74419
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.844 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

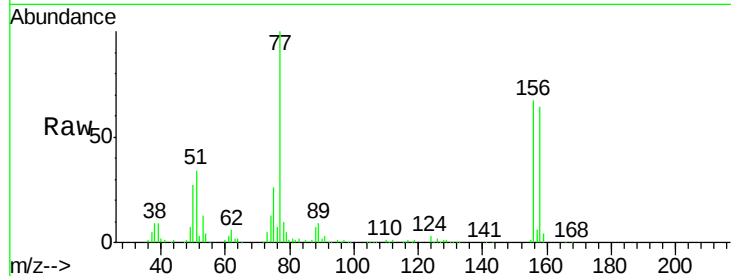
ClientSampleId :

ICVVD041520

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.2	84.7	254.1
158	97.8	48.5	145.5

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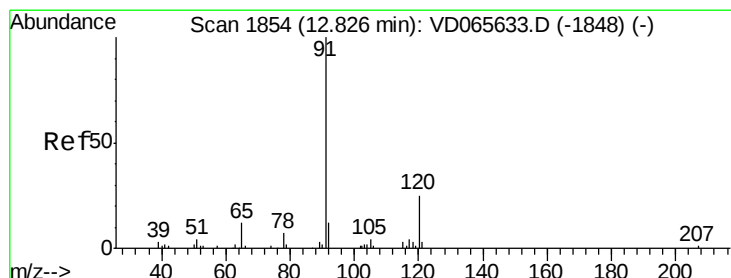
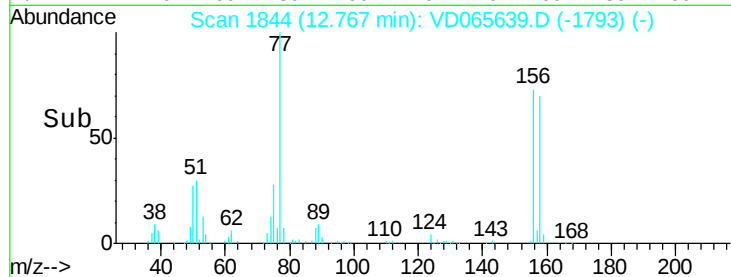
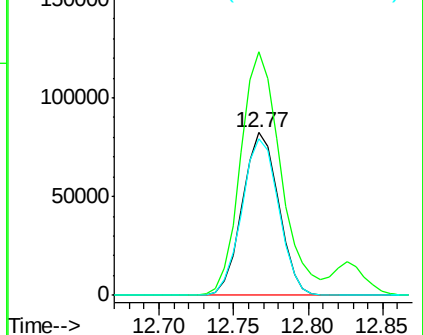
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.516 ug/l

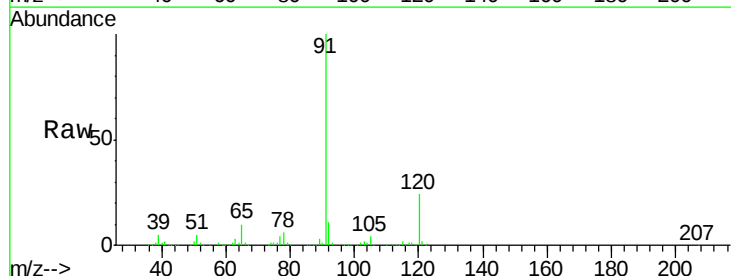
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065639.D

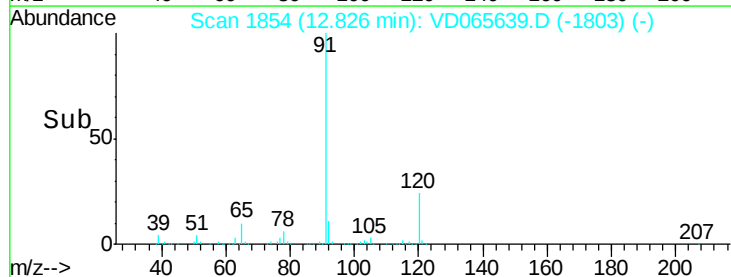
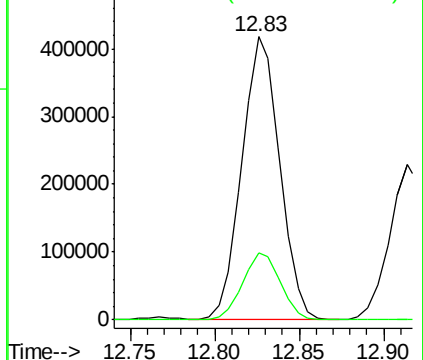
Acq: 15 Apr 2020 17:51

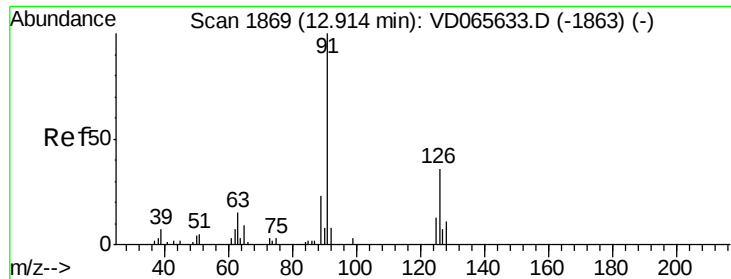
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





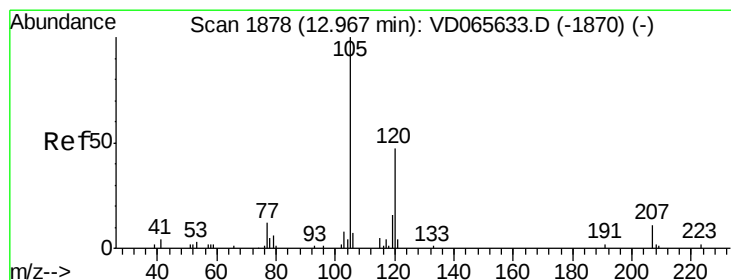
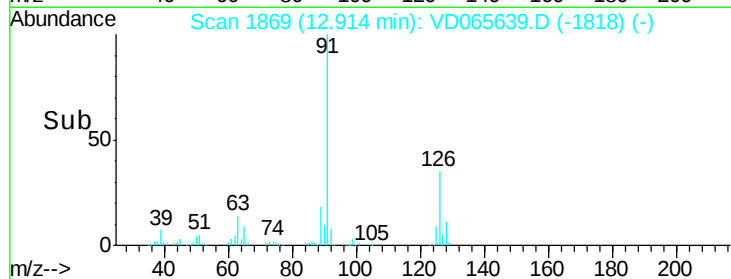
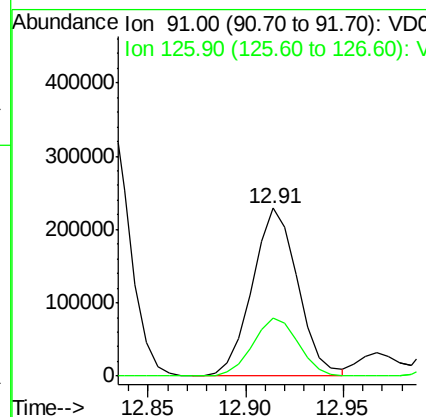
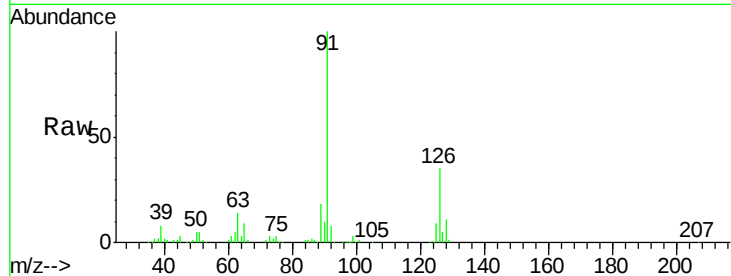
#79
 2-Chlorotoluene
 Concen: 53.500 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.8	53.3

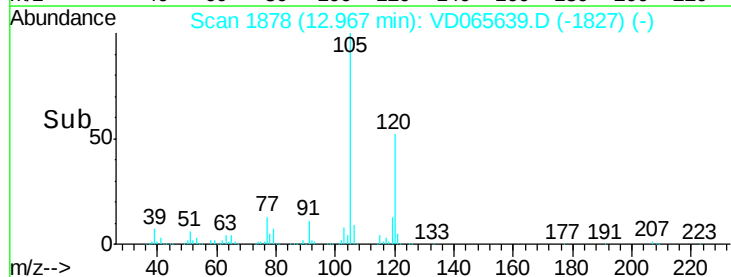
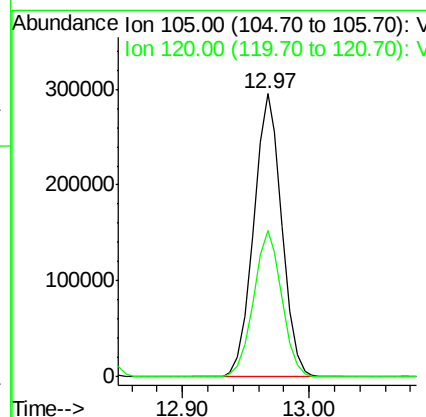
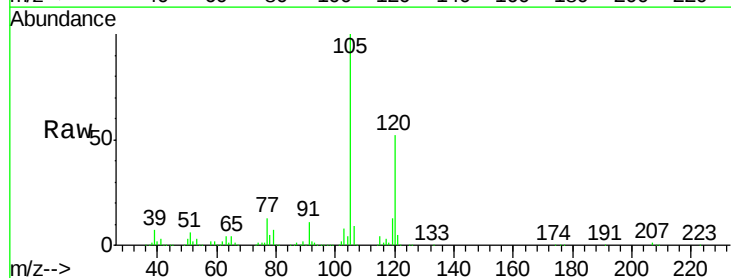
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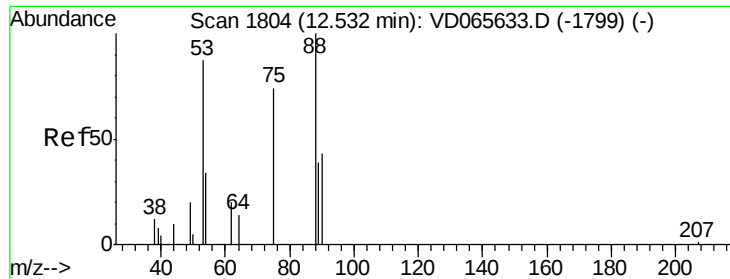
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.649 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.7	25.2	75.6





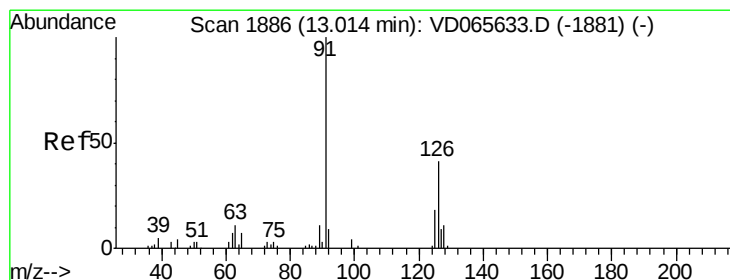
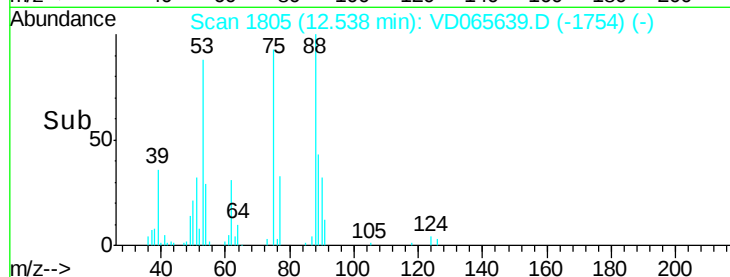
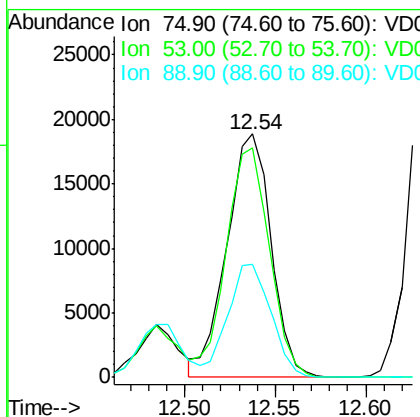
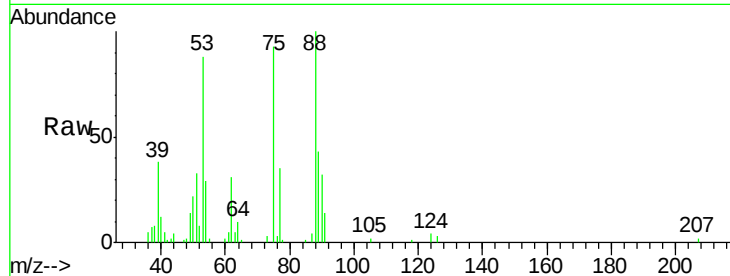
#81
trans-1,4-Dichloro-2-butene
Concen: 52.243 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	76.8	115.2
89	45.5	36.1	54.1

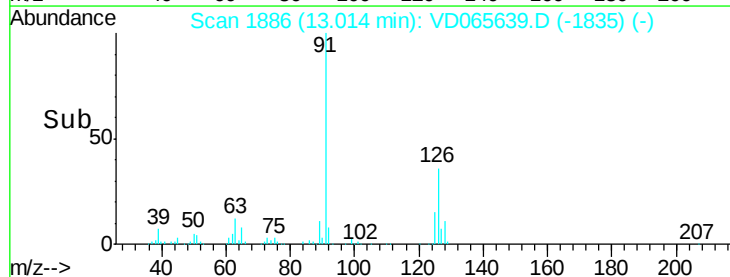
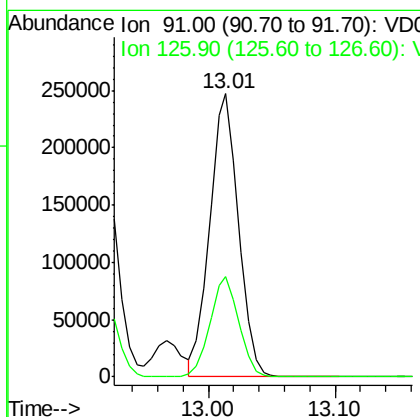
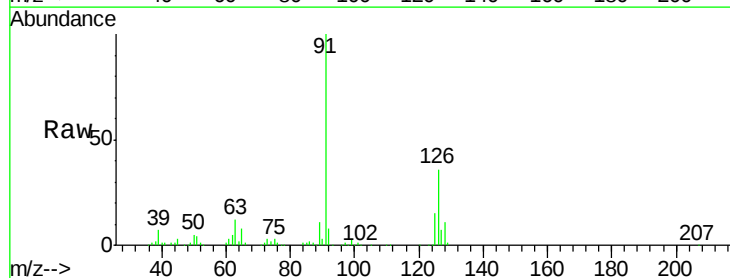
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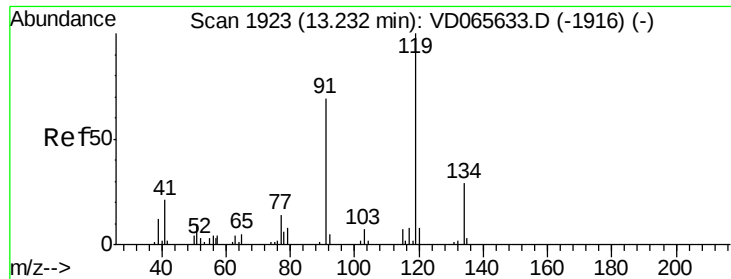
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#82
4-Chlorotoluene
Concen: 52.223 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.5	52.6





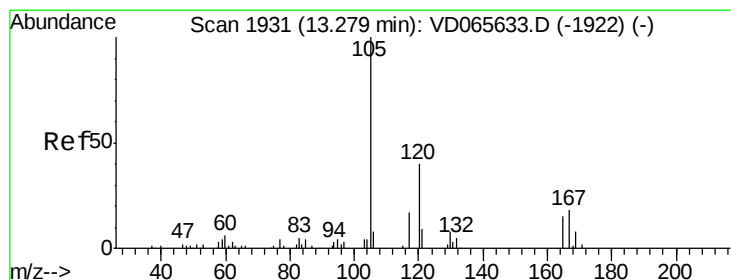
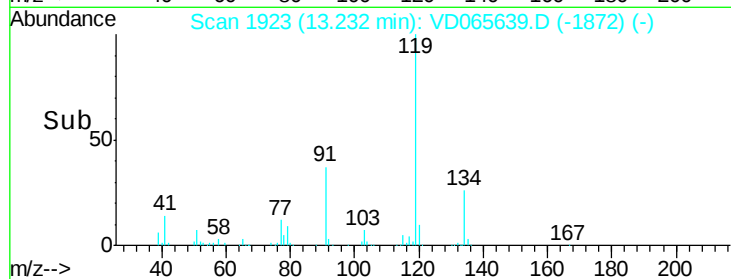
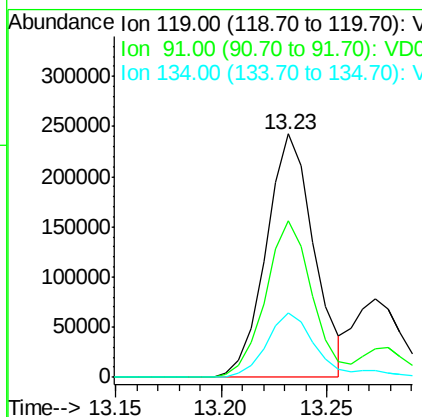
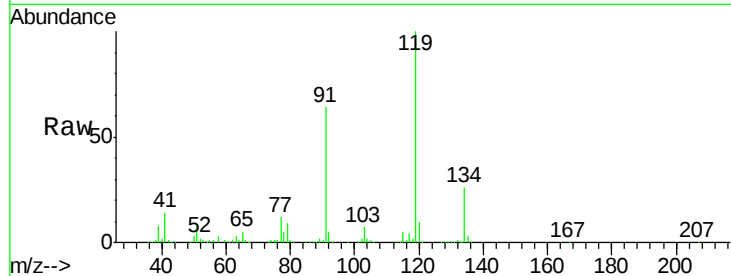
#83
tert-Butylbenzene
Concen: 53.540 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	Ratio	Resp	Lower	Upper
119	100	381327		
91	63.3		31.7	95.1
134	28.3		14.0	41.9

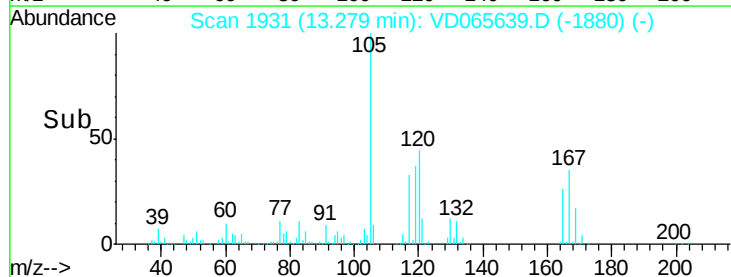
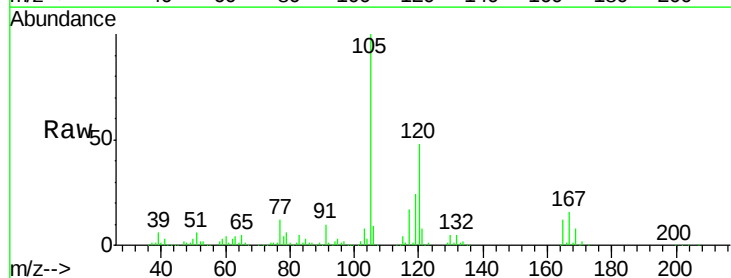
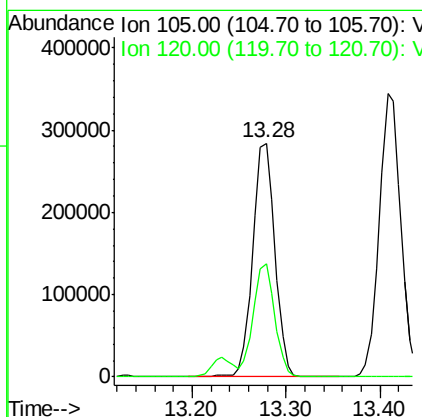
Manual Integrations
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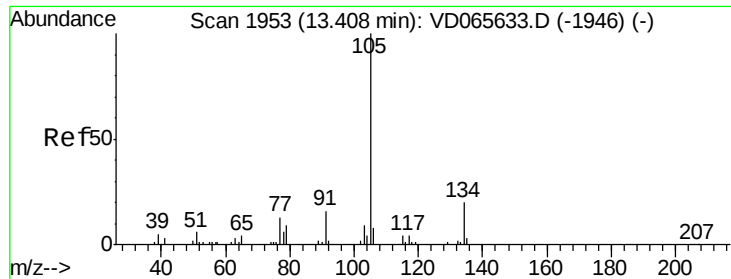
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.751 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	463665		
120	47.0		23.5	70.6





#85

sec-Butylbenzene

Concen: 53.416 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

ClientSampleId :

ICVVD041520

Tot Ion:105 Resp: 544292

Ion Ratio Lower Upper

105 100

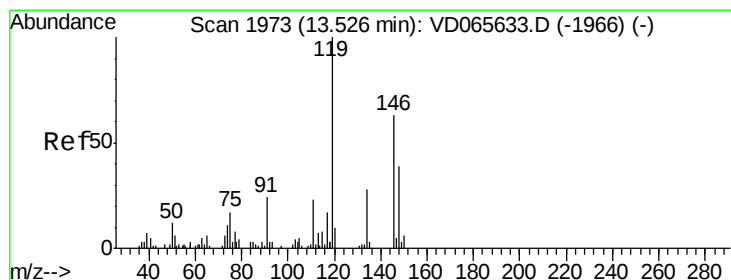
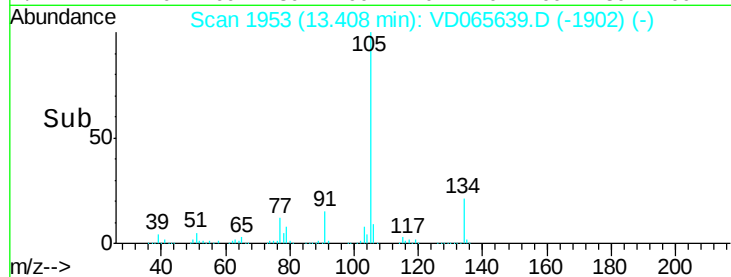
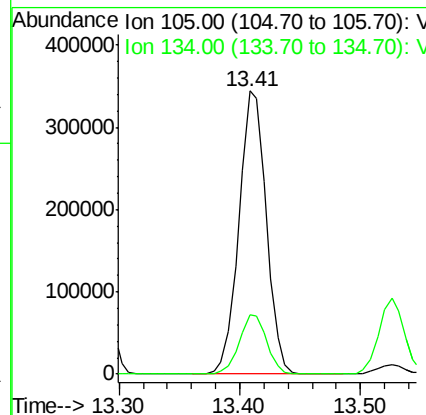
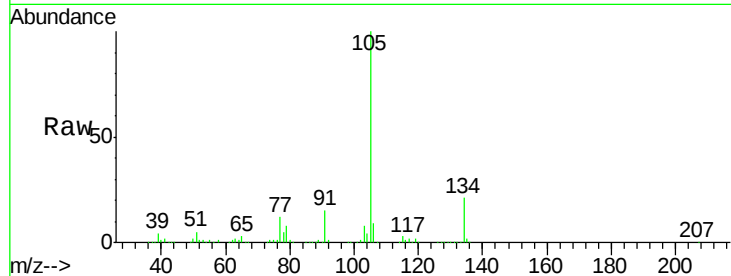
134 21.0 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.705 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

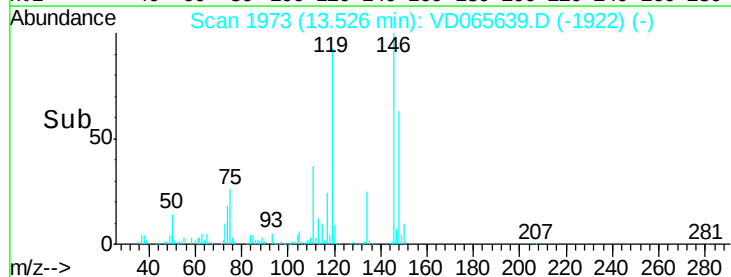
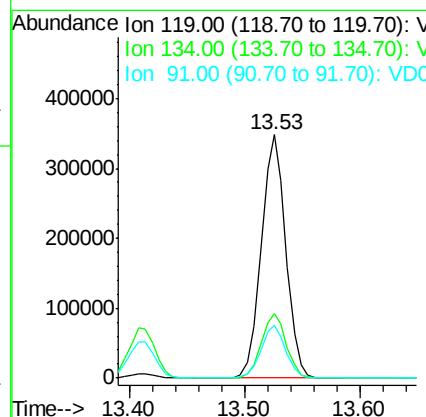
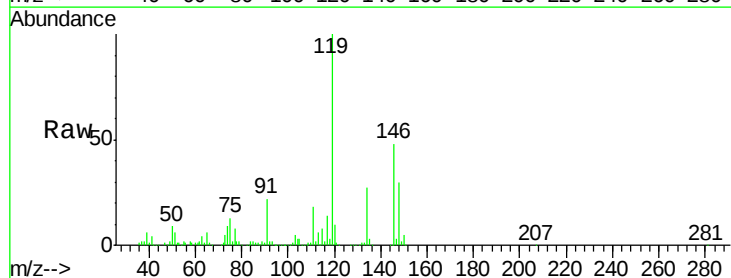
Tgt Ion:119 Resp: 513573

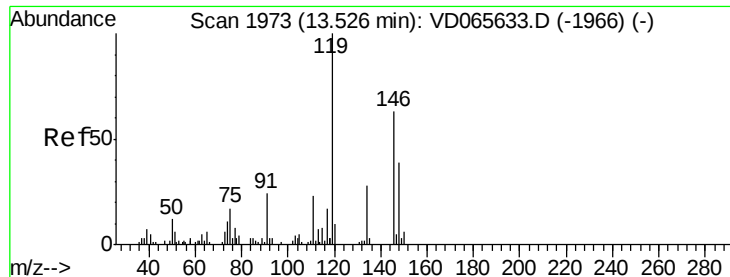
Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 21.8 11.1 33.3





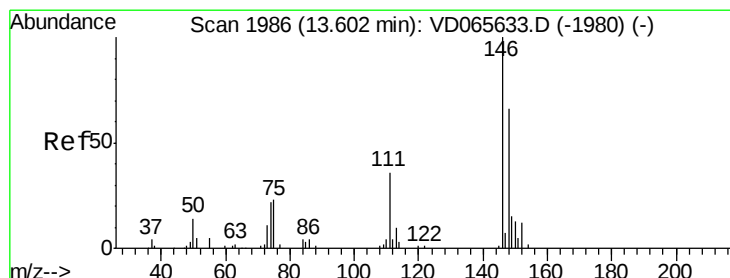
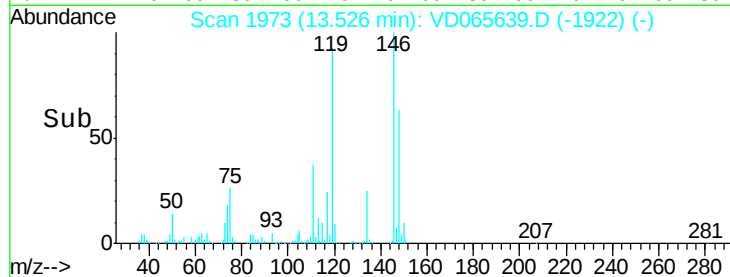
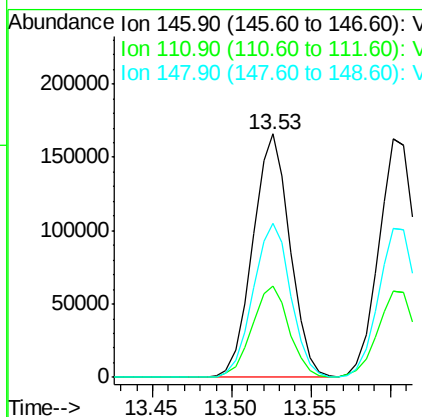
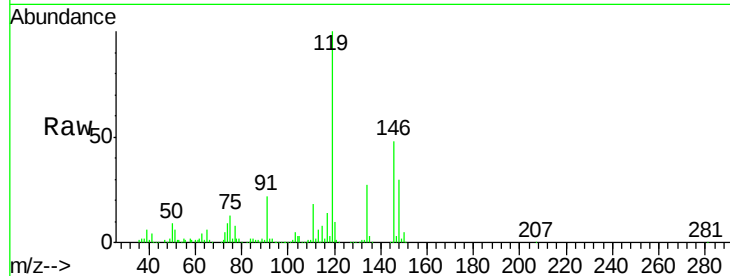
#87
 1,3-Dichlorobenzene
 Concen: 51.636 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.6
148	64.0	31.6	94.8

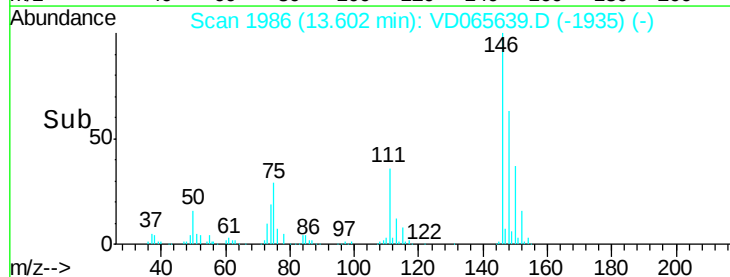
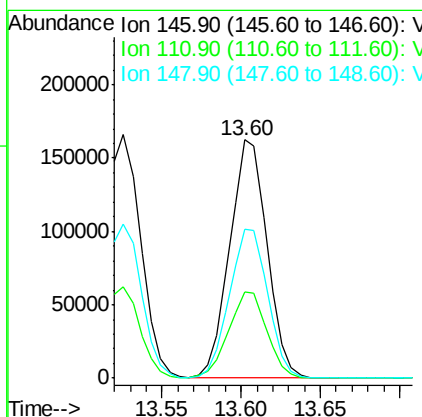
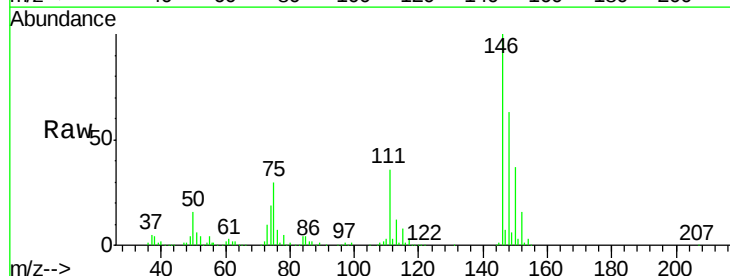
Manual Integrations
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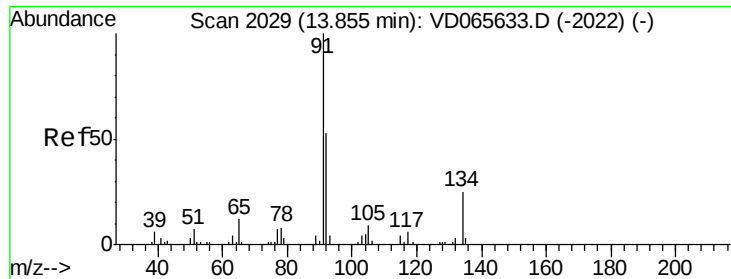
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#88
 1,4-Dichlorobenzene
 Concen: 50.953 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.0	54.0
148	64.1	31.4	94.2





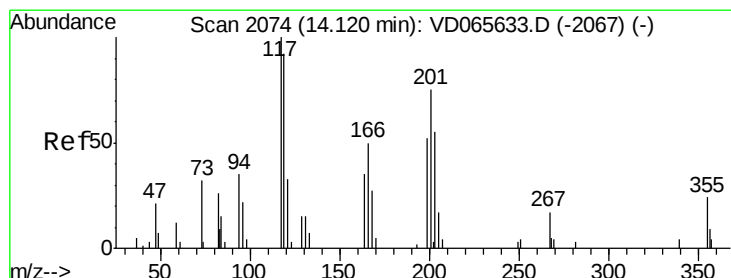
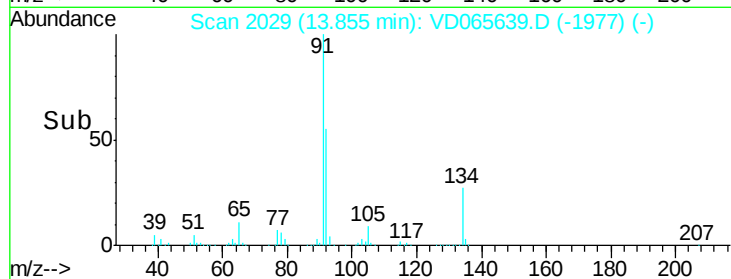
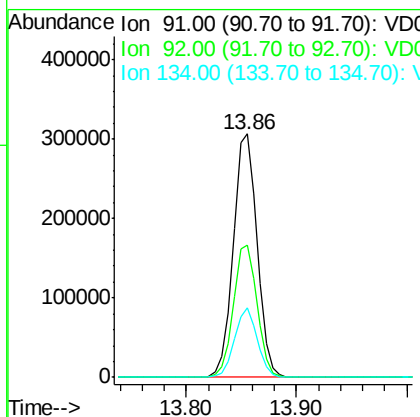
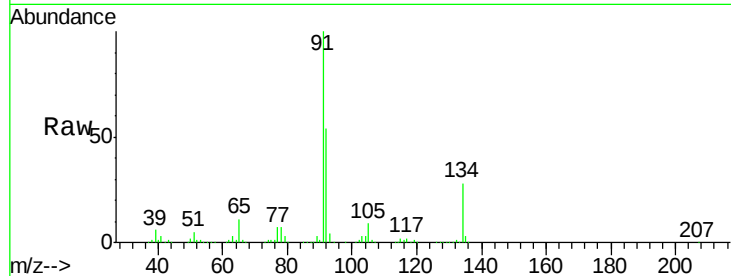
#89
n-Butylbenzene
Concen: 53.437 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Instrument :
MSVOA_D
ClientSampleId :
ICVVD041520

Tot Ion	Ratio	Resp	Lower	Upper
91	100	463798		
92	54.1	26.9	80.6	
134	27.3	13.6	40.8	

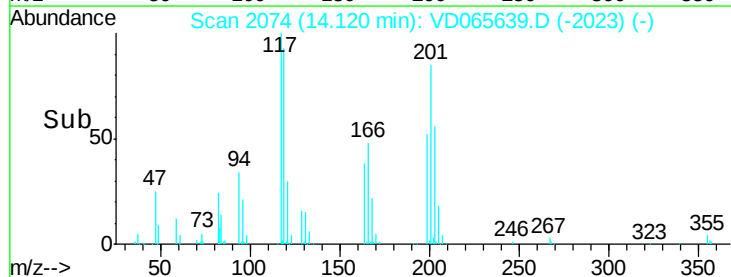
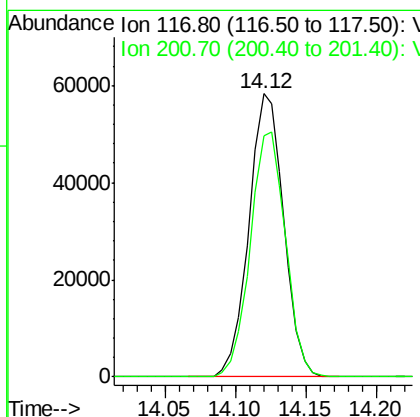
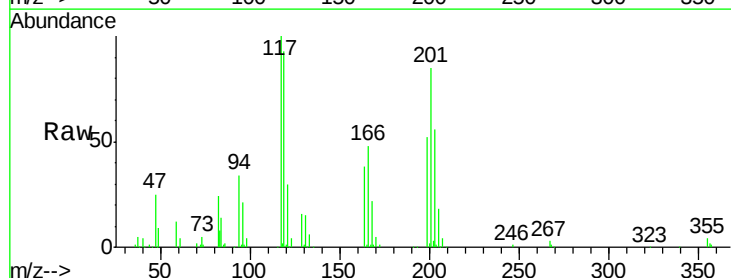
Manual Integrations
APPROVED

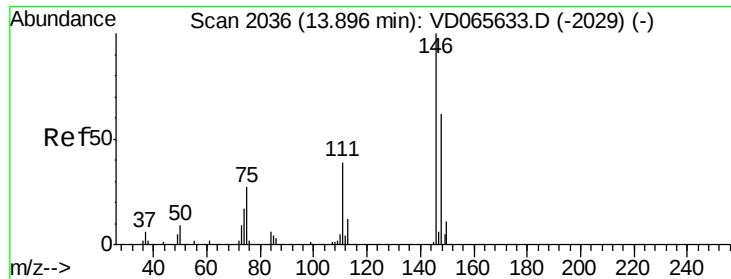
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#90
Hexachloroethane
Concen: 50.314 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065639.D
Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	100905		
201	87.6	44.9	134.7	





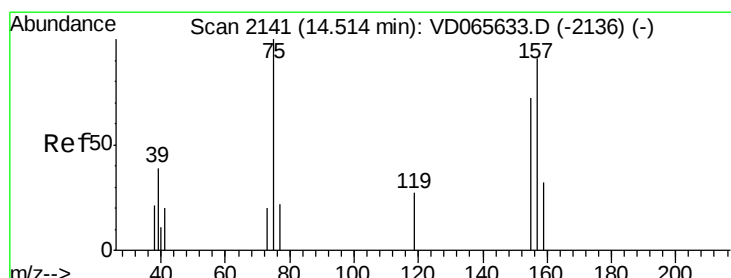
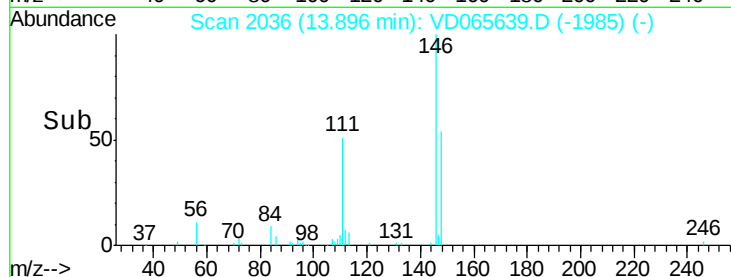
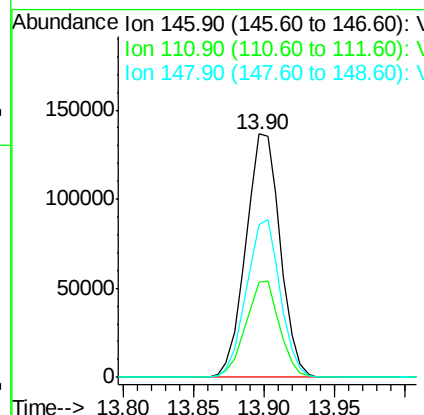
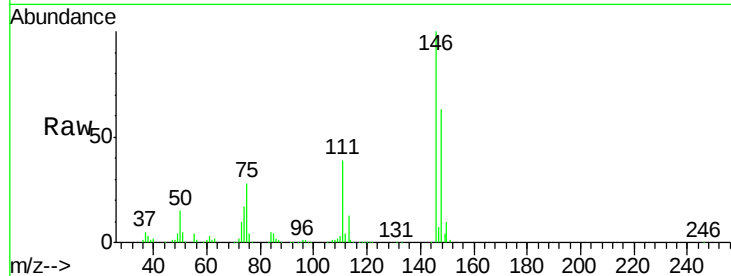
#91
 1,2-Dichlorobenzene
 Concen: 52.097 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.9
148	63.6	32.0	96.0

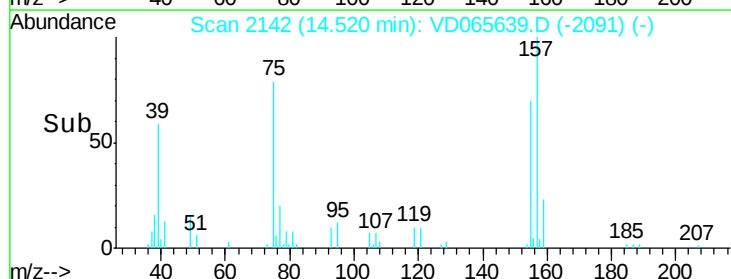
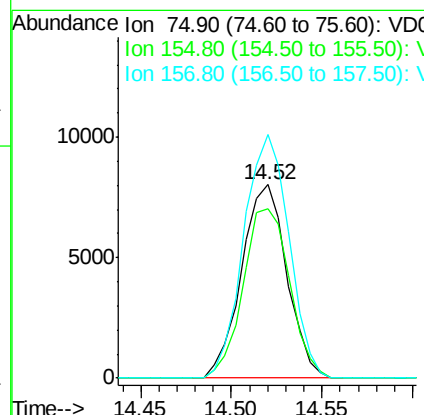
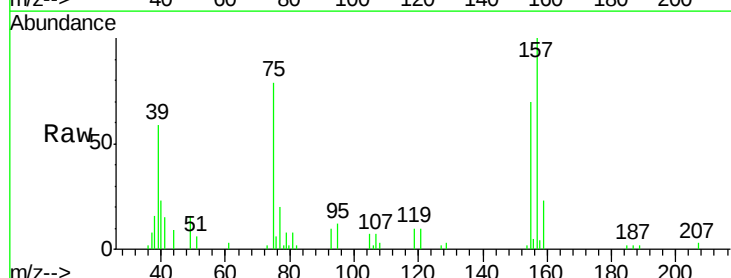
Manual Integrations
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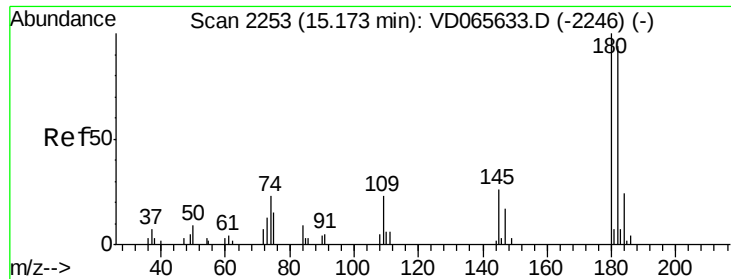
MMDadoda
 4/16/2020 3:13:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.383 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	48.0	144.2
157	126.1	59.2	177.6





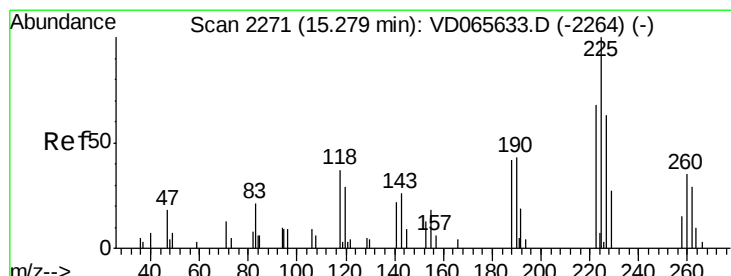
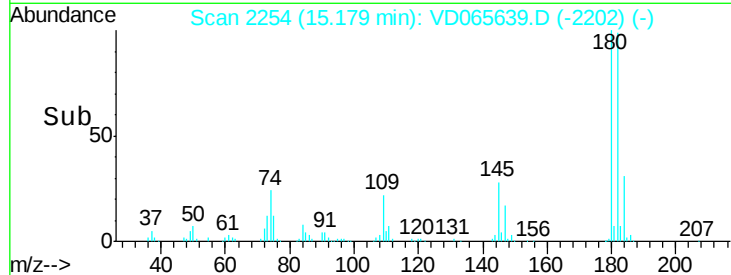
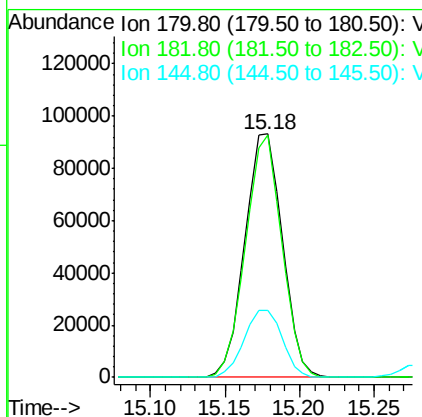
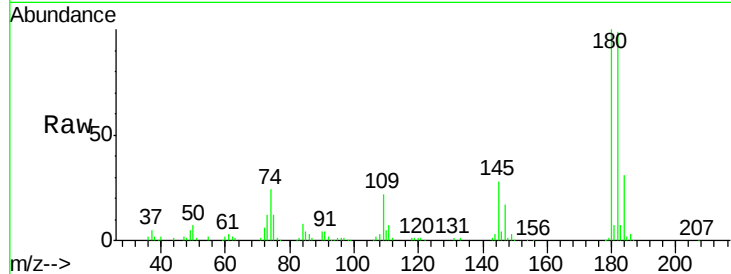
#93
 1,2,4-Trichlorobenzene
 Concen: 52.619 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD041520

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162410		
182	95.7	48.9	146.6	
145	28.1	13.8	41.3	

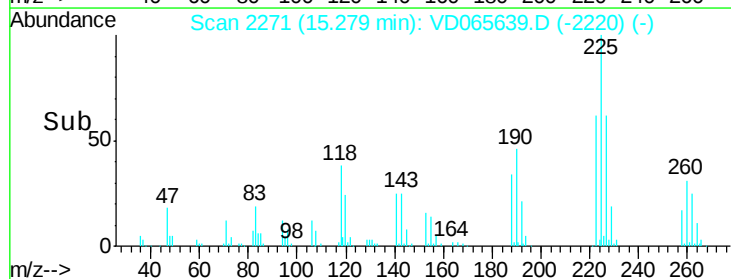
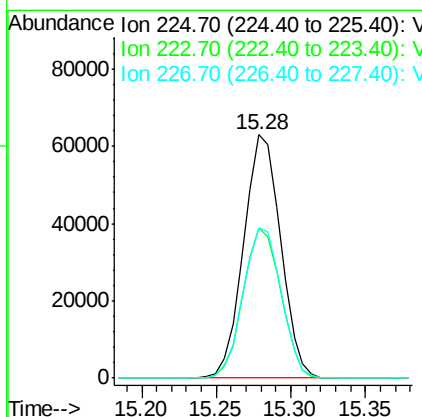
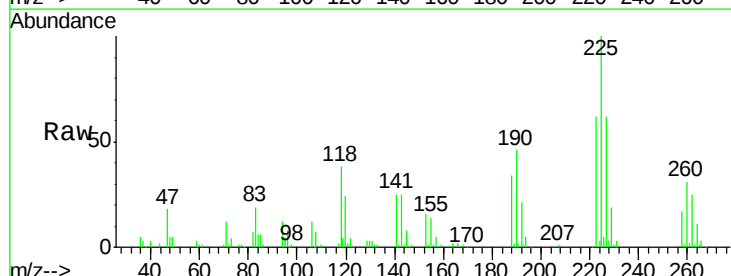
Manual Integrations
 APPROVED

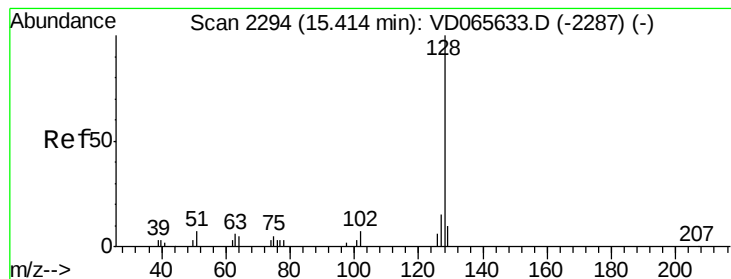
MMDadoda
 4/16/2020 3:13:44 PM



#94
 Hexachlorobutadiene
 Concen: 51.220 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065639.D
 Acq: 15 Apr 2020 17:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108397		
223	62.5	31.9	95.5	
227	63.5	32.0	96.2	





#95

Naphthalene

Concen: 47.237 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Instrument :

MSVOA_D

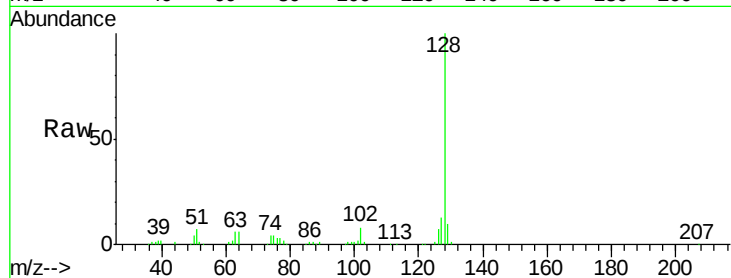
ClientSampleId :

ICVVD041520

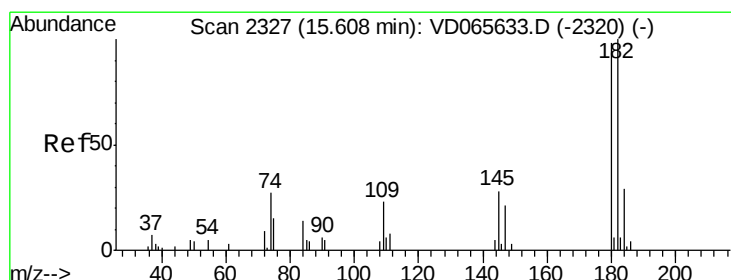
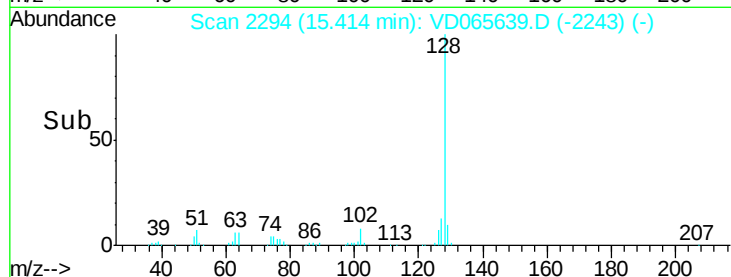
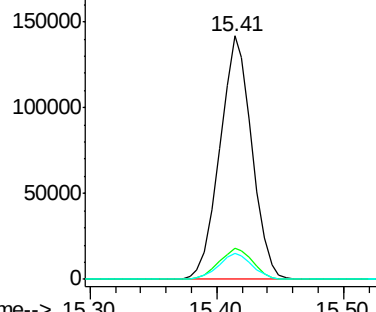
Tot Ion:	128	Resp:	248538
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	16.0
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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4/16/2020 3:13:44 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 52.621 ug/l

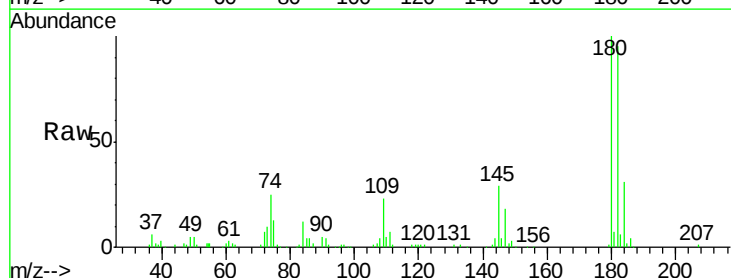
RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065639.D

Acq: 15 Apr 2020 17:51

Tgt Ion:	180	Resp:	143291
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.8	143.3
145	30.0	15.0	45.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

