

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072920\
 Data File : VD066085.D
 Acq On : 29 Jul 2020 11:30
 Operator : VA/SY
 Sample : VD0729SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Manual Integrations
 APPROVED

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 7/30/2020 6:19:40 PM

Quant Time: Jul 30 01:47:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	228994	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	320693	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	301393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	169884	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	106130	56.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.92%	
35) Dibromofluoromethane	7.92	113	108603	55.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.66%	
50) Toluene-d8	10.34	98	406861	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	
62) 4-Bromofluorobenzene	12.64	95	143438	57.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	39718	22.855	ug/l	95
3) Chloromethane	2.21	50	29048	20.482	ug/l	95
4) Vinyl Chloride	2.35	62	29367	21.745	ug/l	97
5) Bromomethane	2.76	94	22075	20.258	ug/l	98
6) Chloroethane	2.92	64	18281	22.675	ug/l	91
7) Trichlorofluoromethane	3.27	101	76136	23.177	ug/l	99
8) Diethyl Ether	3.70	74	18344	20.203	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.10	101	42223	21.287	ug/l	95
10) Methyl Iodide	4.30	142	41609	25.919	ug/l	93
11) Tert butyl alcohol	5.21	59	16930	131.571	ug/l #	96
12) 1,1-Dichloroethene	4.07	96	39455	20.839	ug/l	95
13) Acrolein	3.91	56	11006	70.108	ug/l	97
14) Allyl chloride	4.71	41	56168	18.978	ug/l	89
15) Acrylonitrile	5.43	53	36494	94.077	ug/l	97
16) Acetone	4.16	43	36305	96.259	ug/l #	84
17) Carbon Disulfide	4.41	76	118790	19.342	ug/l	98
18) Methyl Acetate	4.72	43	16130	18.384	ug/l	94
19) Methyl tert-butyl Ether	5.47	73	81767	21.019	ug/l	96
20) Methylene Chloride	4.97	84	49347	22.002	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	44725	20.901	ug/l	95
22) Diisopropyl ether	6.36	45	111453	19.822	ug/l	99
23) Vinyl Acetate	6.30	43	302850	95.504	ug/l	95
24) 1,1-Dichloroethane	6.27	63	73130	21.465	ug/l	95
25) 2-Butanone	7.21	43	44383	88.685	ug/l	99
26) 2,2-Dichloropropane	7.20	77	70761	23.097	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	47884	21.135	ug/l	96
28) Bromochloromethane	7.54	49	28689	19.840	ug/l	87
29) Tetrahydrofuran	7.56	42	27326	88.495	ug/l	95
30) Chloroform	7.71	83	80476	22.582	ug/l	98
31) Cyclohexane	7.98	56	65362	19.501	ug/l	86
32) 1,1,1-Trichloroethane	7.90	97	75349	22.858	ug/l	98
36) 1,1-Dichloropropene	8.11	75	60001	21.922	ug/l	97
37) Ethyl Acetate	7.29	43	19230	18.398	ug/l	99
38) Carbon Tetrachloride	8.10	117	74428	25.062	ug/l	97

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 Acq On : 29 Jul 2020 11:30
 Operator : VA/SY
 Sample : VD0729SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VD0729SBS01

Manual Integrations
 APPROVED

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 7/30/2020 6:19:40 PM

Quant Time: Jul 30 01:47:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73346	22.129	ug/l	95
40) Benzene	8.35	78	165171	21.571	ug/l	99
41) Methacrylonitrile	7.53	41	10909	18.219	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	48829	23.272	ug/l	98
43) Isopropyl Acetate	8.45	43	40299	19.740	ug/l	98
44) Trichloroethene	9.11	130	53067	22.902	ug/l	94
45) 1,2-Dichloropropane	9.38	63	38893	20.972	ug/l	98
46) Dibromomethane	9.48	93	21732	21.768	ug/l	96
47) Bromodichloromethane	9.66	83	60856	23.054	ug/l	98
48) Methyl methacrylate	9.46	41	20078	19.497	ug/l	91
49) 1,4-Dioxane	9.47	88	4872	421.230	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	99014	96.258	ug/l	99
52) Toluene	10.41	92	112190	22.467	ug/l	94
53) t-1,3-Dichloropropene	10.62	75	55527	22.579	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	65210	21.875	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	31196	22.033	ug/l	90
56) Ethyl methacrylate	10.67	69	35738	21.710	ug/l	98
57) 1,3-Dichloropropane	10.95	76	51032	21.772	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	92426	117.533	ug/l	96
59) 2-Hexanone	10.99	43	71201	99.885	ug/l	100
60) Dibromochloromethane	11.14	129	44122	23.112	ug/l	98
61) 1,2-Dibromoethane	11.25	107	31064	22.755	ug/l	98
64) Tetrachloroethene	10.88	164	47626	23.281	ug/l	97
65) Chlorobenzene	11.67	112	127621	23.127	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	48247	23.678	ug/l	96
67) Ethyl Benzene	11.75	91	218679	23.027	ug/l	98
68) m/p-Xylenes	11.86	106	172150	47.163	ug/l	98
69) o-Xylene	12.18	106	80196	24.156	ug/l	96
70) Styrene	12.20	104	136828	23.988	ug/l	99
71) Bromoform	12.37	173	27120	22.722	ug/l #	99
73) Isopropylbenzene	12.48	105	221058	21.504	ug/l	97
74) N-amyl acetate	12.29	43	38105	17.878	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	32617	19.199	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	25112m	19.632	ug/l	
77) Bromobenzene	12.77	156	54756	20.843	ug/l	94
78) n-propylbenzene	12.83	91	257930	21.623	ug/l	100
79) 2-Chlorotoluene	12.91	91	141501	20.764	ug/l	96
80) 1,3,5-Trimethylbenzene	12.97	105	188584	22.329	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	10142	18.194	ug/l	94
82) 4-Chlorotoluene	13.01	91	155499	21.618	ug/l	98
83) tert-Butylbenzene	13.23	119	162133	21.938	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	187978	22.560	ug/l	100
85) sec-Butylbenzene	13.41	105	220907	21.701	ug/l	99
86) p-Isopropyltoluene	13.53	119	212235	22.949	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	109215	22.391	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	105229	21.341	ug/l	98
89) n-Butylbenzene	13.85	91	185107	21.526	ug/l	100
90) Hexachloroethane	14.12	117	40272	21.036	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	92530	21.892	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5846	20.997	ug/l	91

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Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

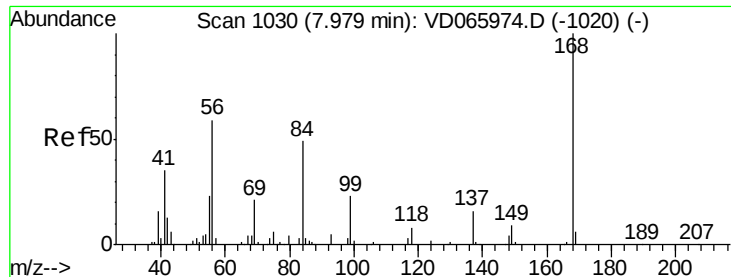
Manual Integrations
APPROVED

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7/30/2020 6:19:40 PM

Quant Time: Jul 30 01:47:38 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 21 12:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	68268	22.502	ug/l	98
94) Hexachlorobutadiene	15.28	225	42845	22.843	ug/l	98
95) Naphthalene	15.41	128	100768	20.900	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	56355	21.368	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion:168 Resp: 228994

Ion Ratio Lower Upper

168 100

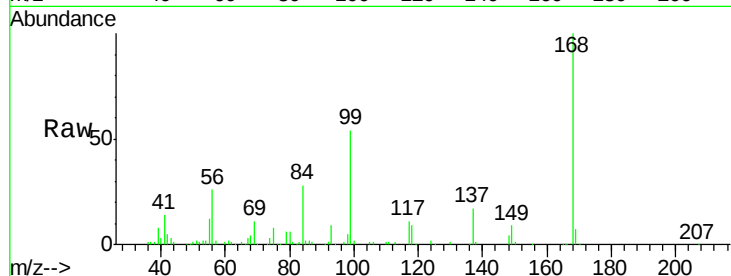
99 54.1 40.8 61.2

Manual Integrations

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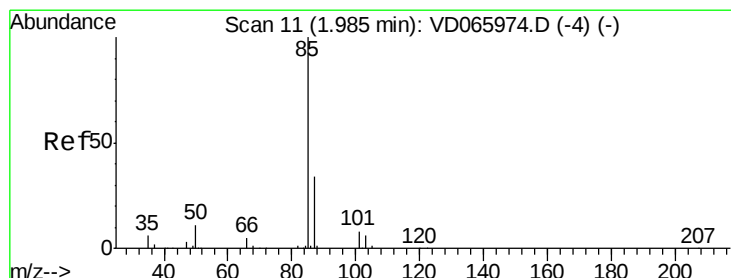
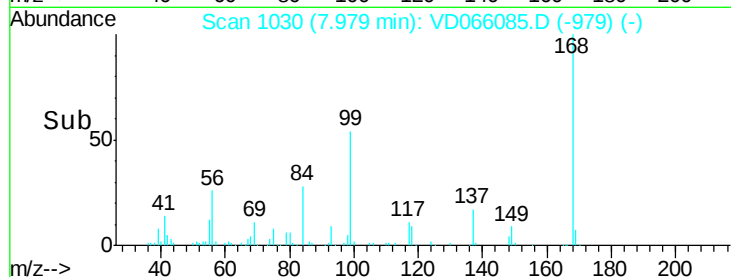
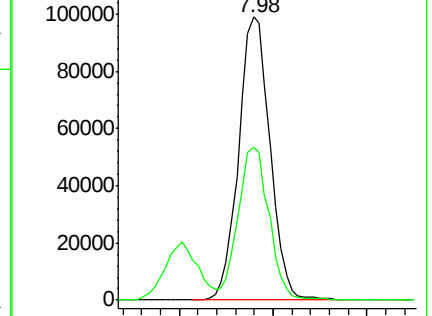
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.855 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066085.D

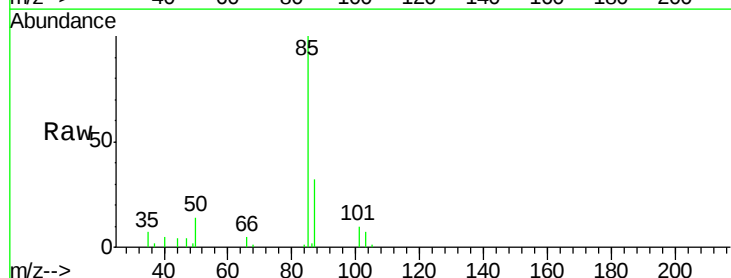
Acq: 29 Jul 2020 11:30

Tgt Ion: 85 Resp: 39718

Ion Ratio Lower Upper

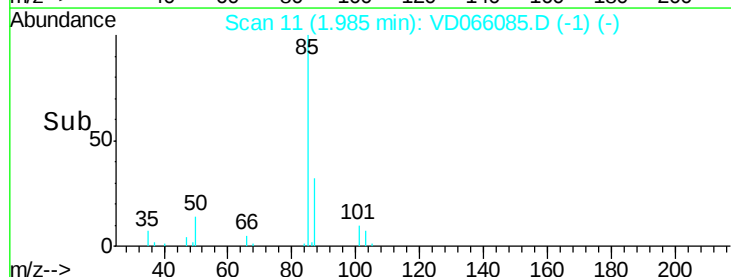
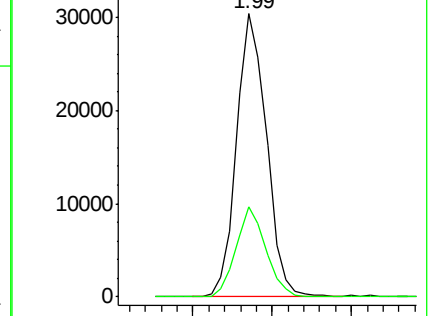
85 100

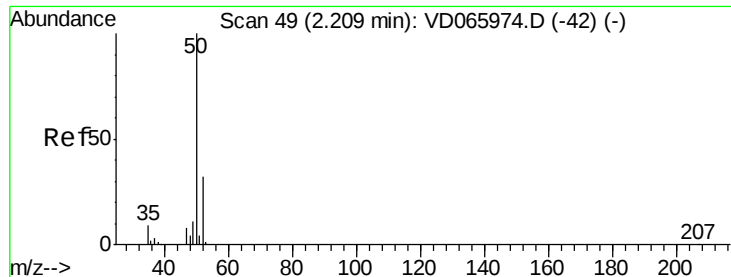
87 31.9 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.482 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 50 Resp: 29048

Ion Ratio Lower Upper

50 100

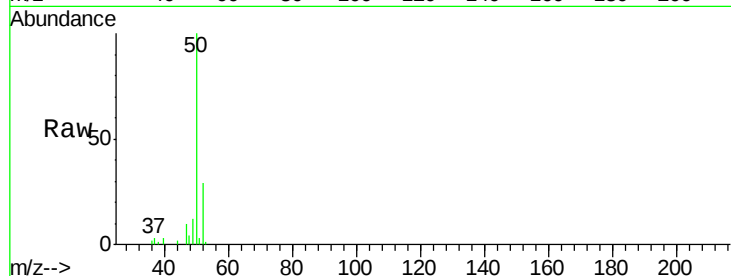
52 29.2 25.8 38.8

Manual Integrations

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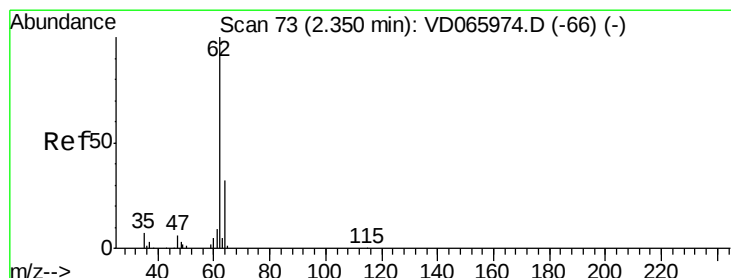
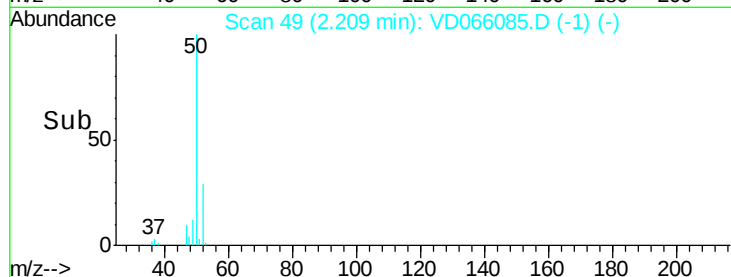
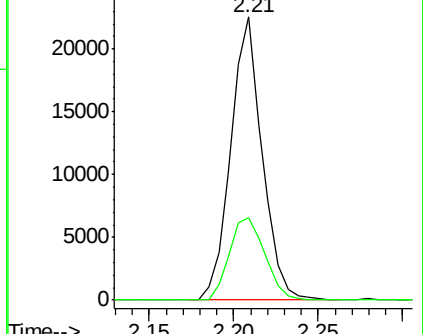
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.745 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066085.D

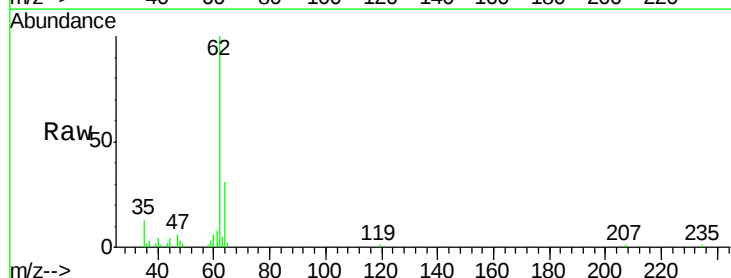
Acq: 29 Jul 2020 11:30

Tgt Ion: 62 Resp: 29367

Ion Ratio Lower Upper

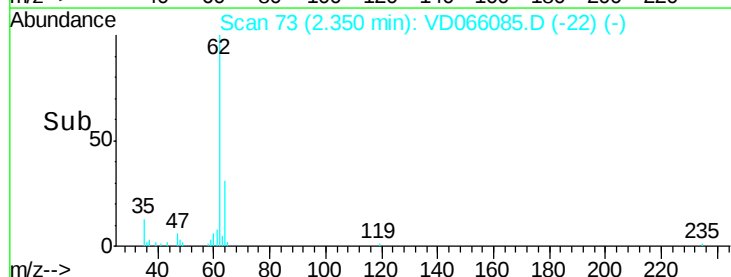
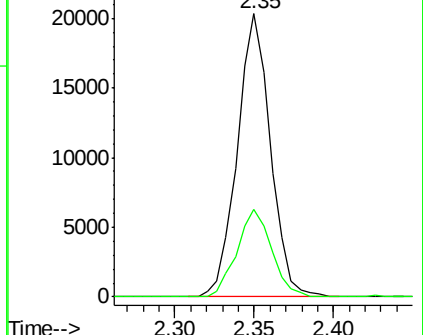
62 100

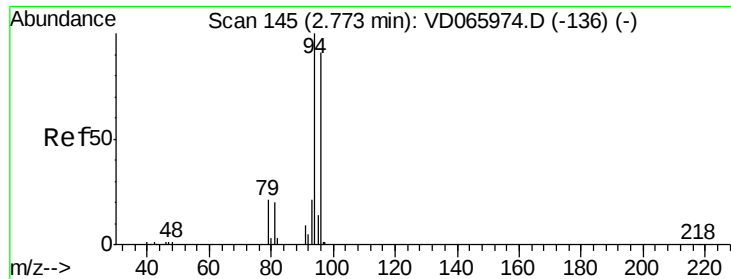
64 30.8 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.258 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 94 Resp: 22075

Ion Ratio Lower Upper

94 100

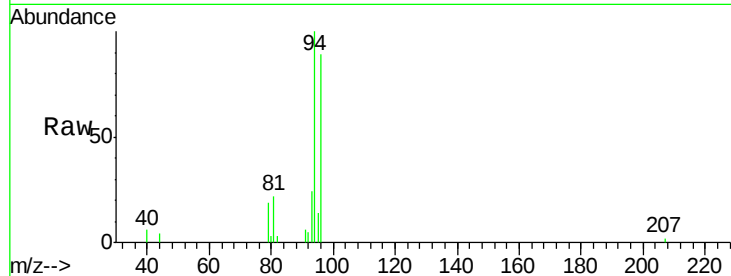
96 89.3 73.0 109.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

12000

10000

8000

6000

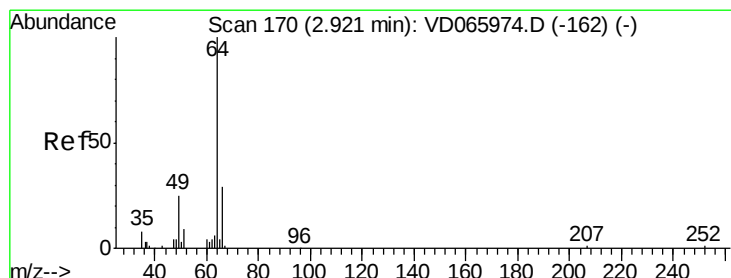
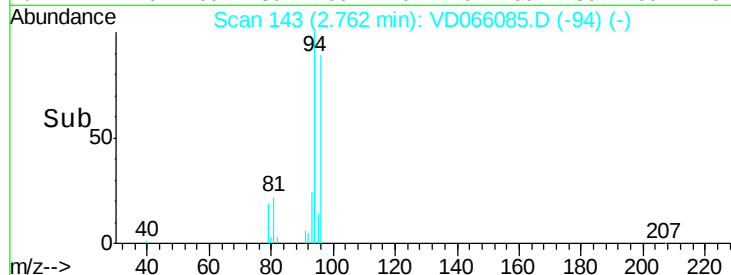
4000

2000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 22.675 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066085.D

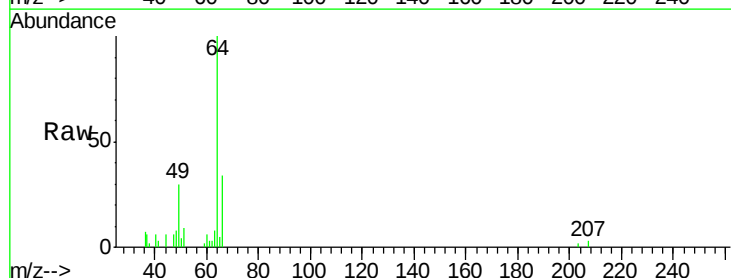
Acq: 29 Jul 2020 11:30

Tgt Ion: 64 Resp: 18281

Ion Ratio Lower Upper

64 100

66 34.1 23.4 35.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

10000

8000

6000

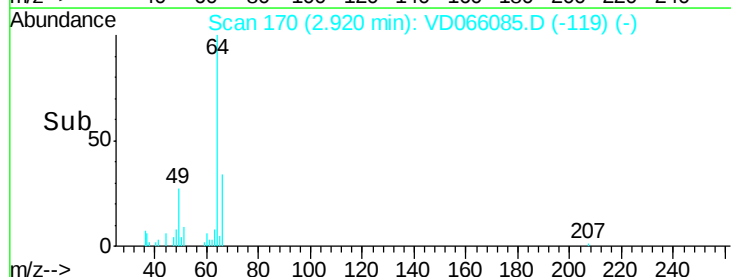
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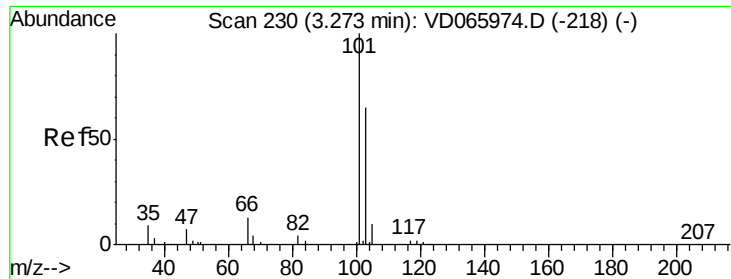
2000

0

2.85 2.90 2.95 3.00

Time-->





#7

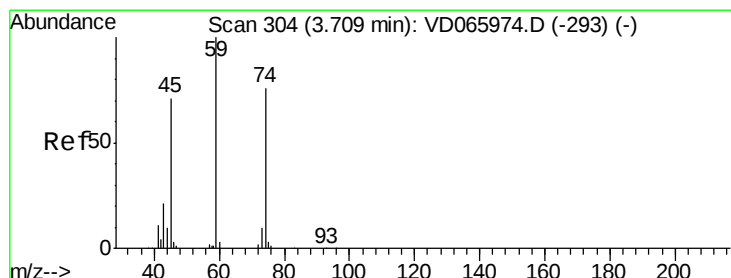
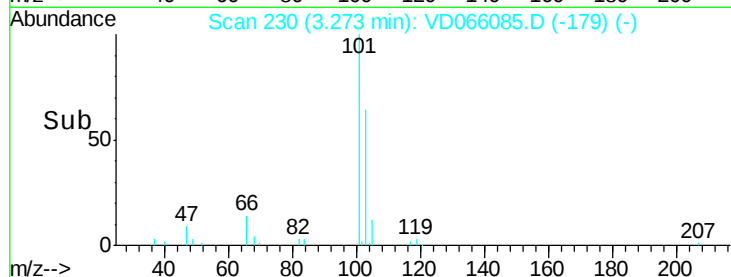
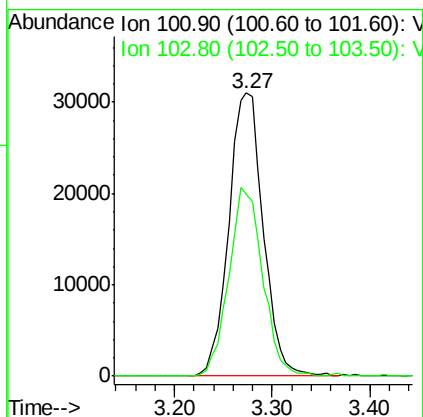
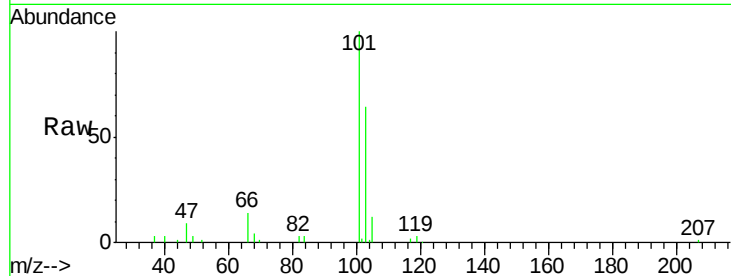
Trichlorofluoromethane
Concen: 23.177 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	52.1	78.1

Manual Integrations
APPROVED

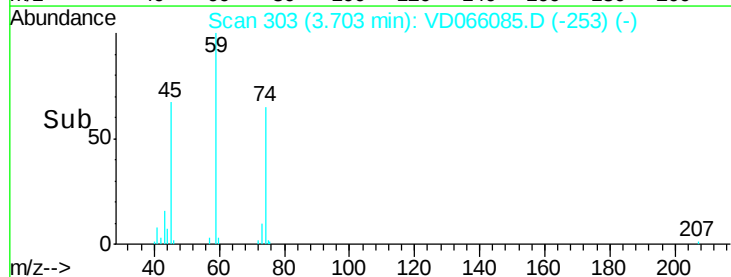
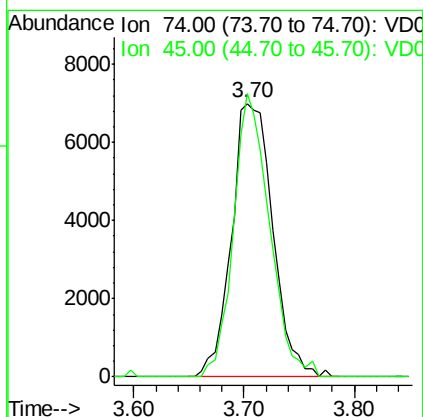
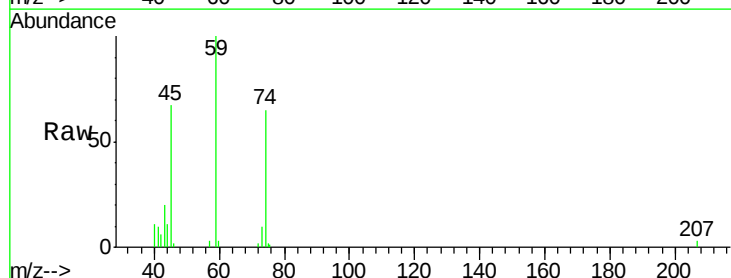
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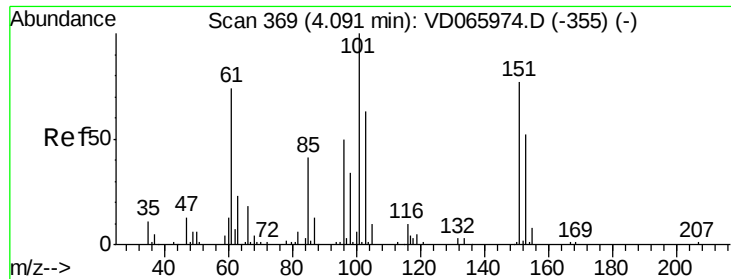


#8

Diethyl Ether
Concen: 20.203 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.3	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.287 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

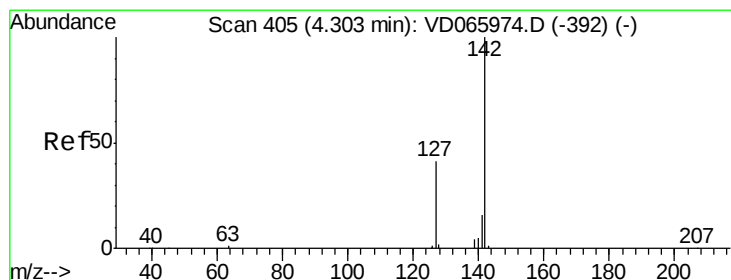
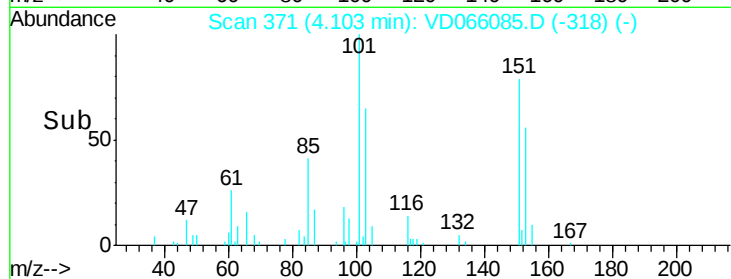
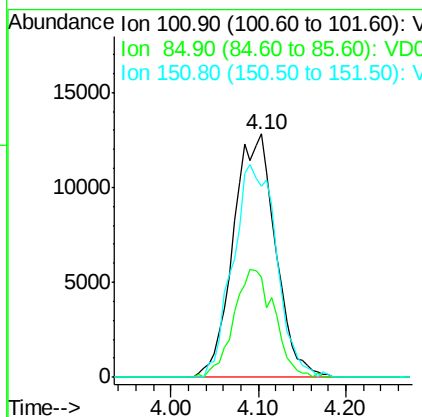
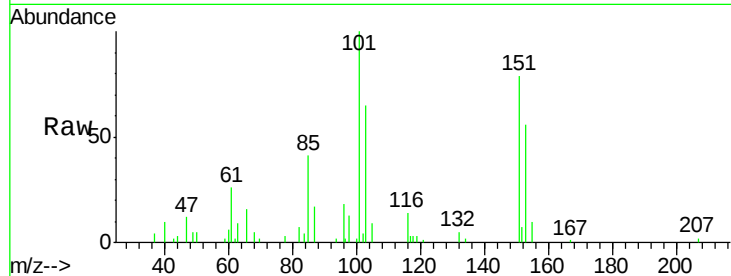
ClientSampleId :

VD0729SBS01

Tot Ion:	101	Resp:	42223
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.6	50.4
151	89.8	66.6	99.8

Manual Integrations
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#10

Methyl Iodide

Concen: 25.919 ug/l

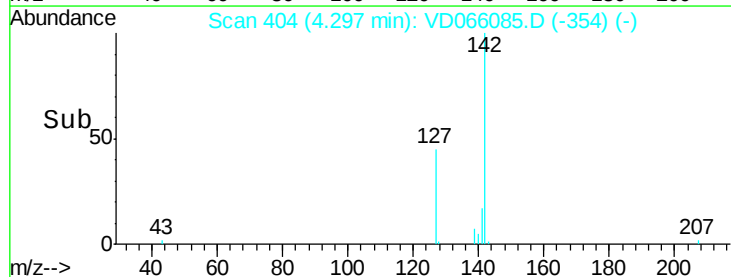
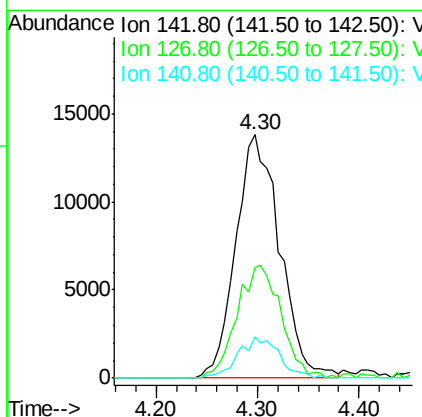
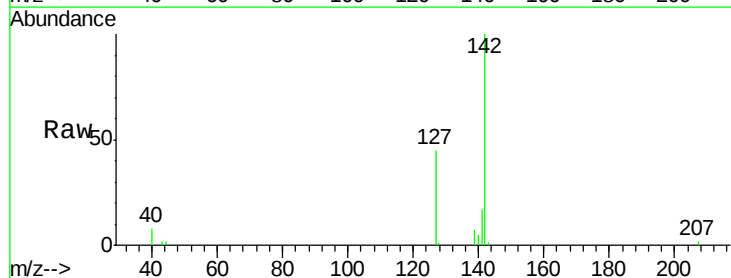
RT: 4.30 min Scan# 404

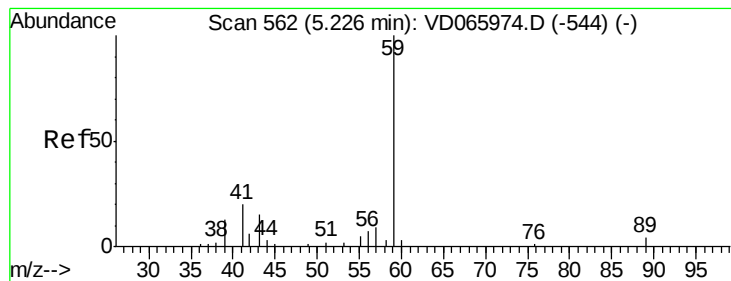
Delta R.T. -0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Tgt Ion:	142	Resp:	41609
Ion Ratio	Lower	Upper	
142	100		
127	46.4	32.9	49.3
141	15.7	11.8	17.6





#11

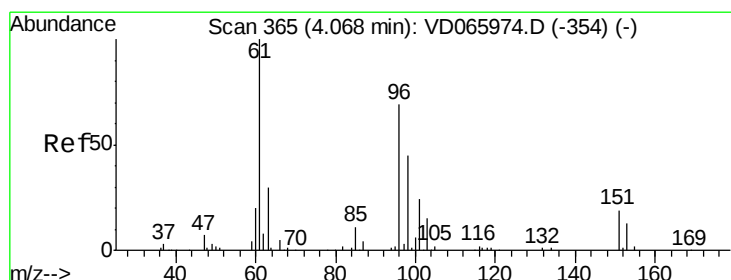
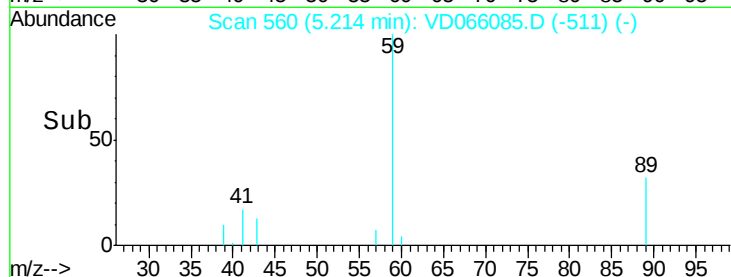
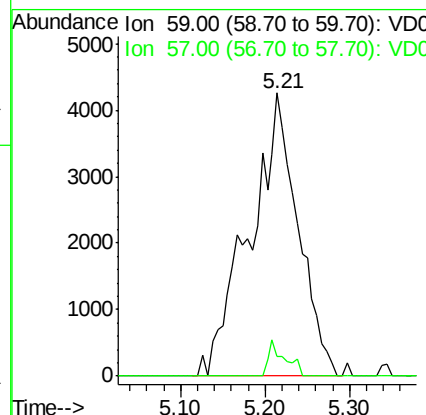
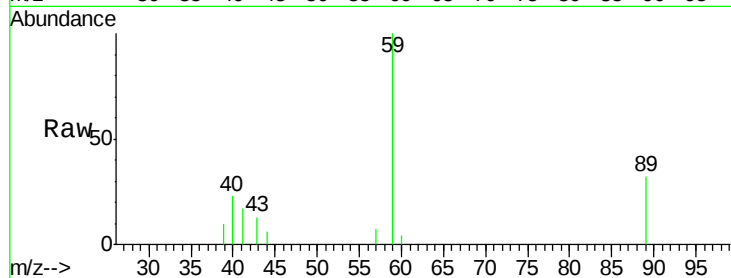
Tert butyl alcohol
Concen: 131.571 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.3	4.5	6.7#

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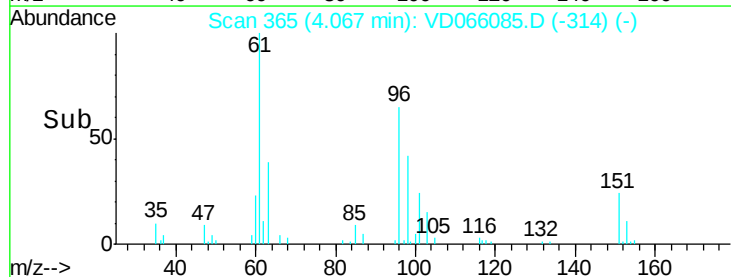
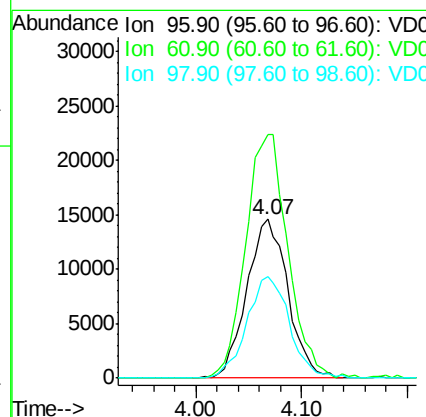
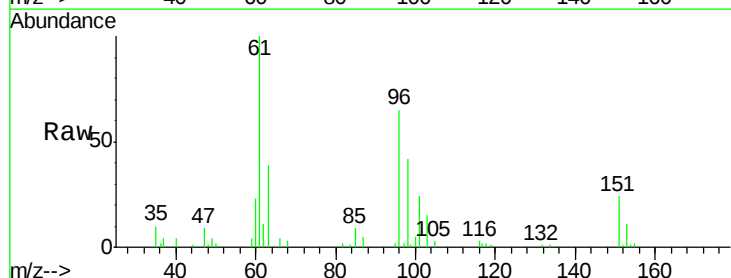
MMDadoda
7/30/2020 6:19:40 PM

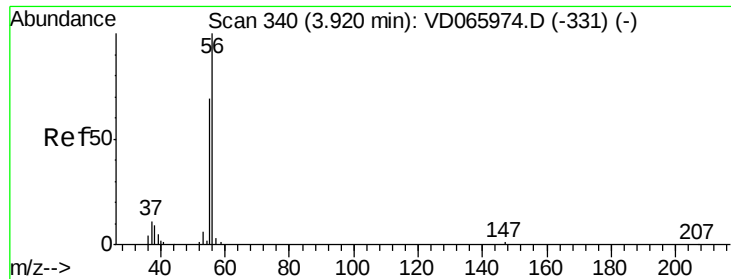


#12

1,1-Dichloroethene
Concen: 20.839 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.2	115.4	173.0
98	64.1	51.5	77.3





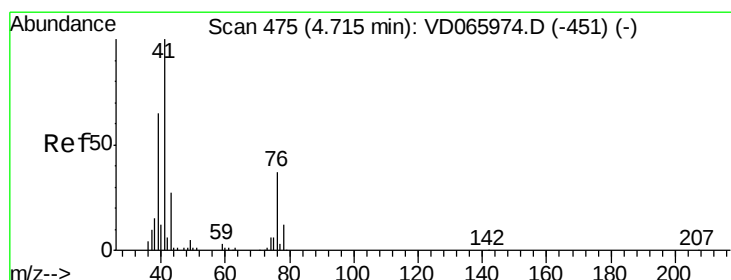
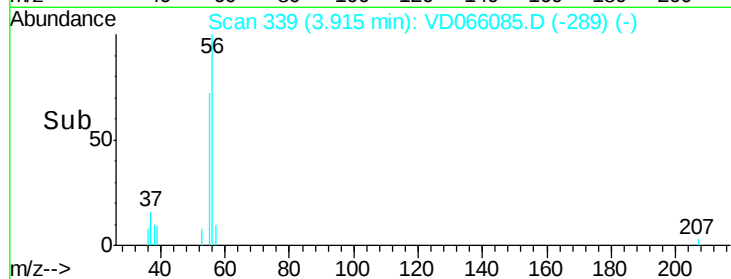
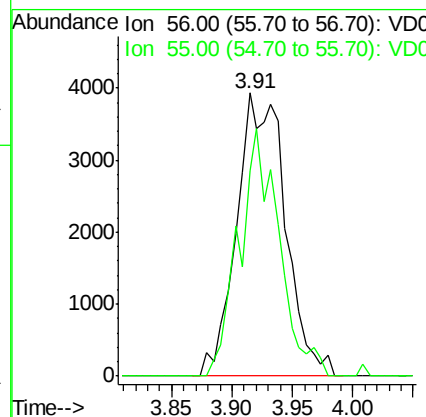
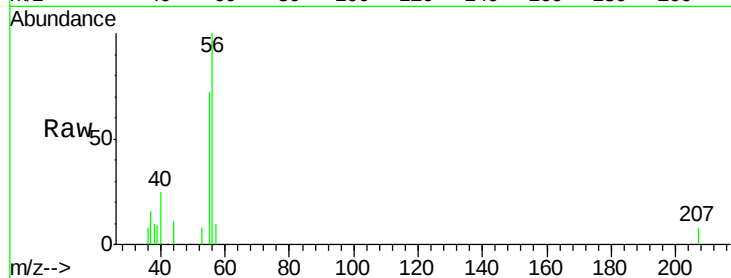
#13
Acrolein
Concen: 70.108 ug/l
RT: 3.91 min Scan# 339
Delta R.T. -0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

Tot Ion	56	Resp	11006
Ion Ratio	100	Lower	Upper
55	72.4	55.8	83.8

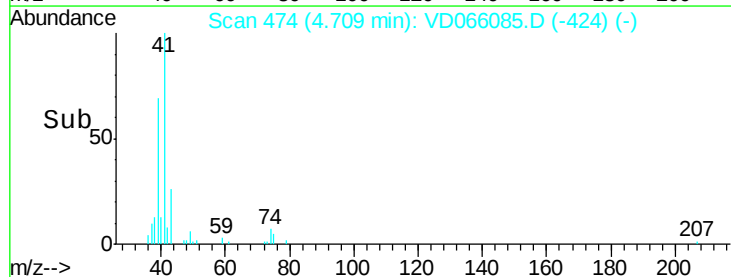
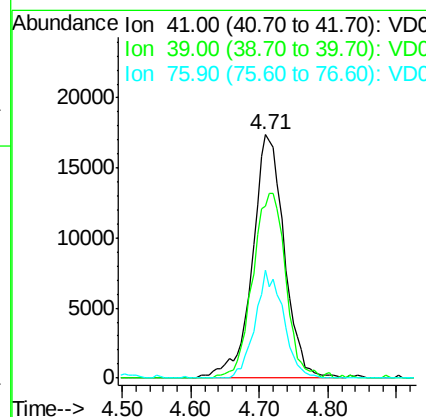
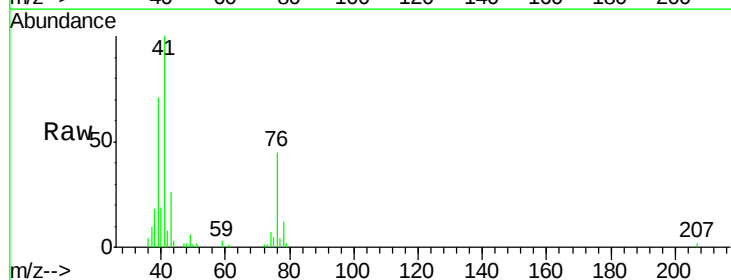
Manual Integrations
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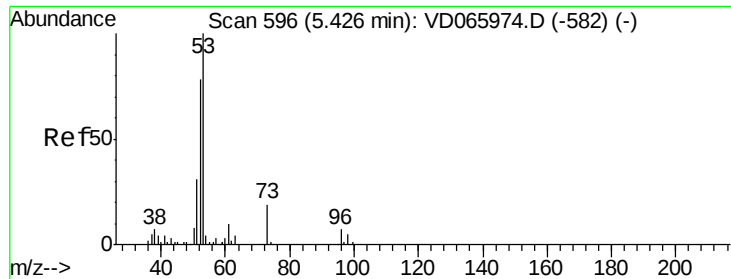
MMDadoda
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#14
Allyl chloride
Concen: 18.978 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	41	Resp	56168
Ion Ratio	100	Lower	Upper
39	78.3	53.4	80.2
76	39.3	29.1	43.7





#15

Acrylonitrile

Concen: 94.077 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

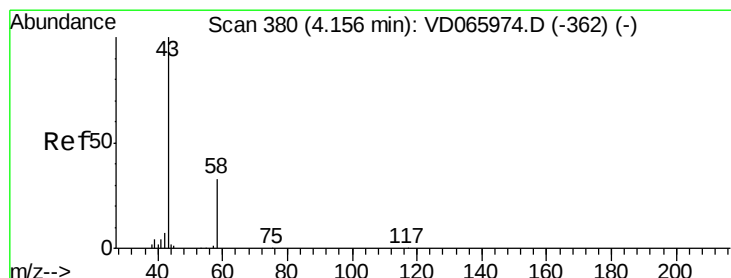
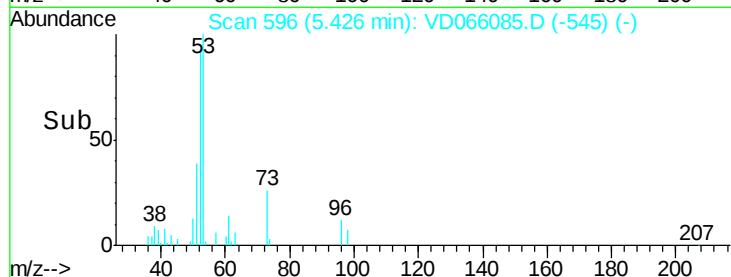
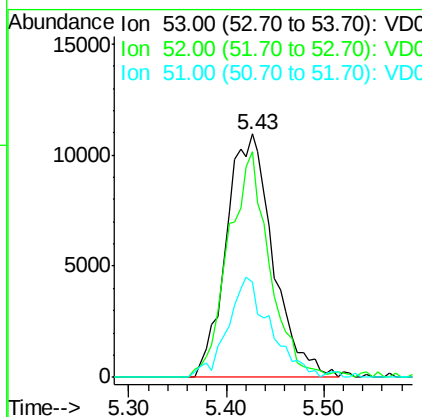
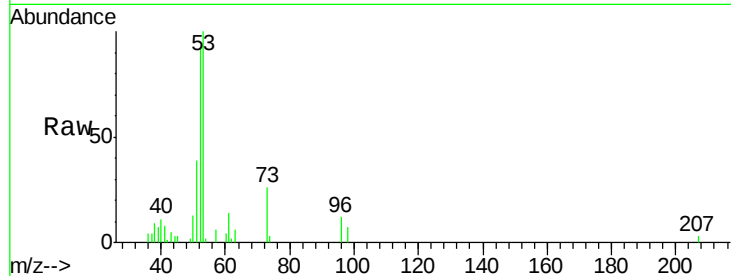
ClientSampleId :

VD0729SBS01

Tot Ion:	53	Resp:	36494
Ion	Ratio	Lower	Upper
53	100		
52	81.5	67.1	100.7
51	37.4	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 96.259 ug/l

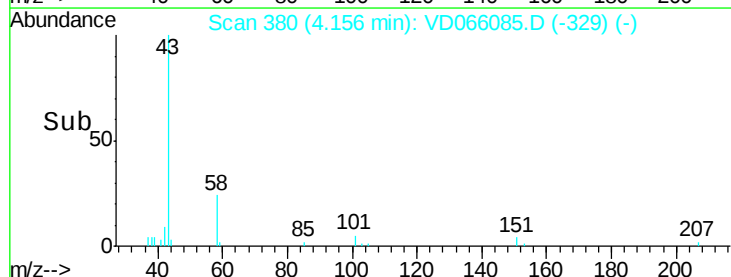
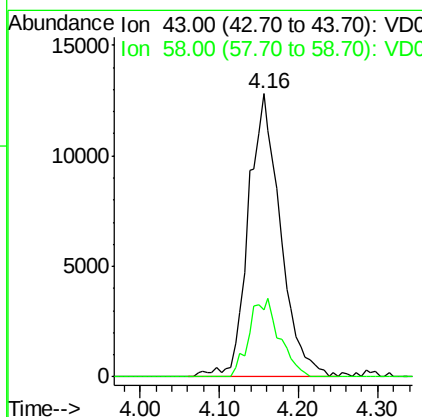
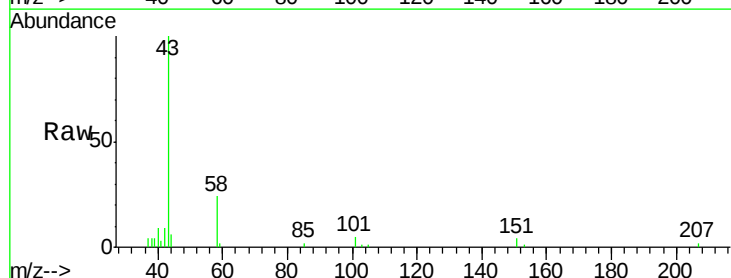
RT: 4.16 min Scan# 380

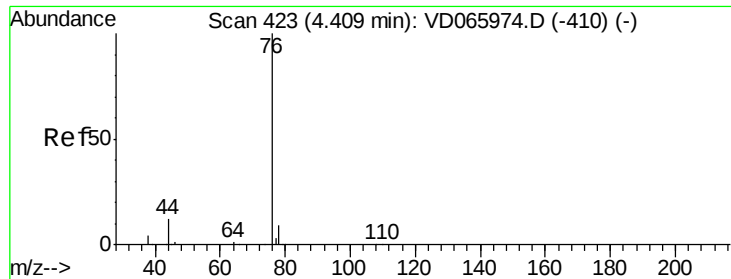
Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Tgt Ion:	43	Resp:	36305
Ion	Ratio	Lower	Upper
43	100		
58	23.9	26.3	39.5#





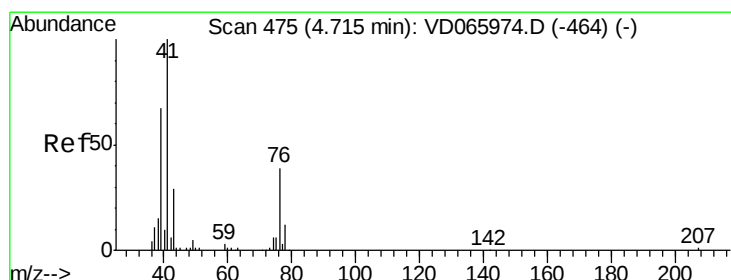
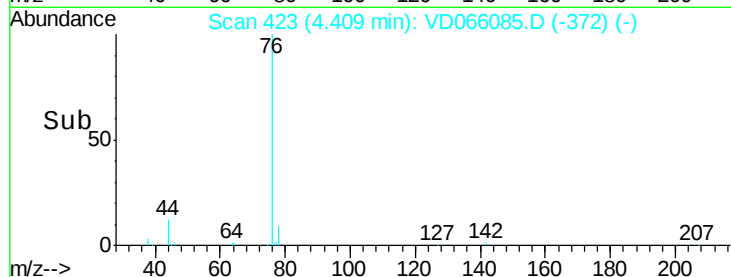
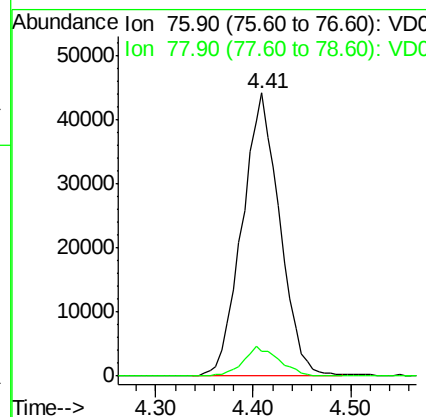
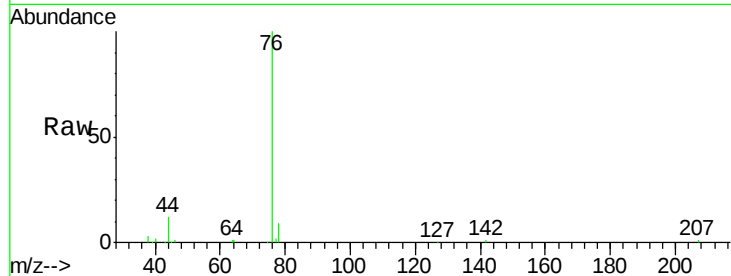
#17
Carbon Disulfide
Concen: 19.342 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.4	11.2

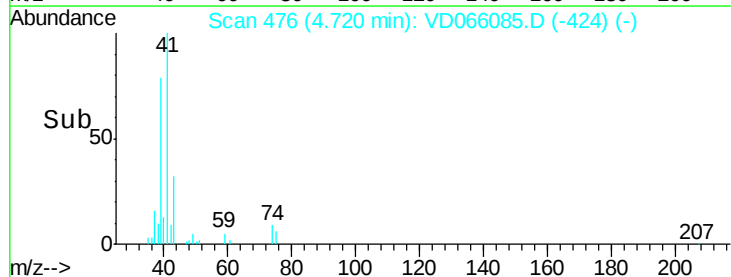
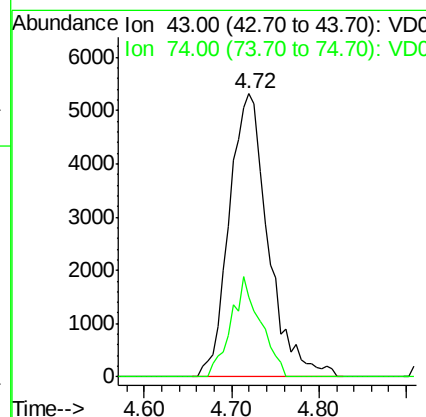
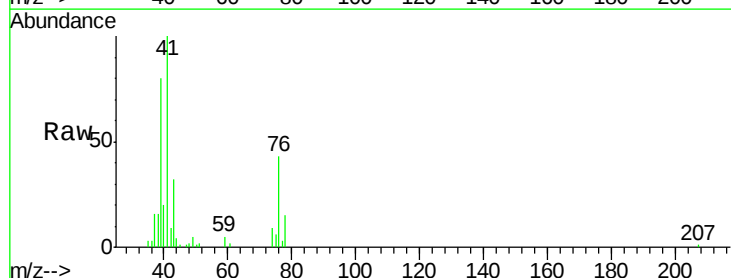
Manual Integrations
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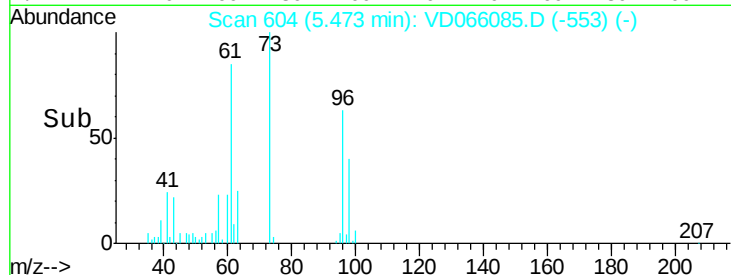
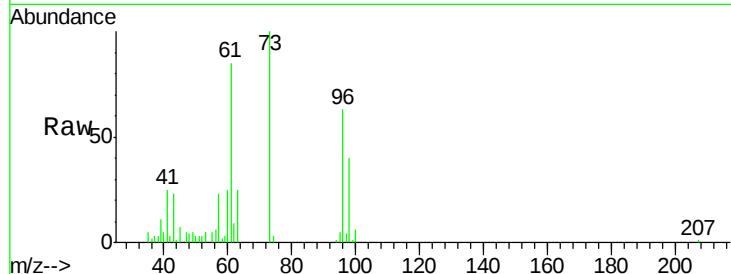
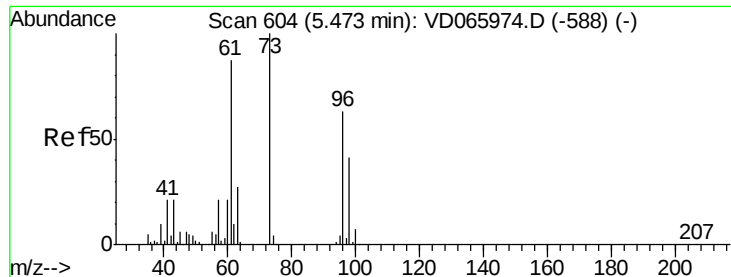
MMDadoda
7/30/2020 6:19:40 PM



#18
Methyl Acetate
Concen: 18.384 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.9	19.2	28.8





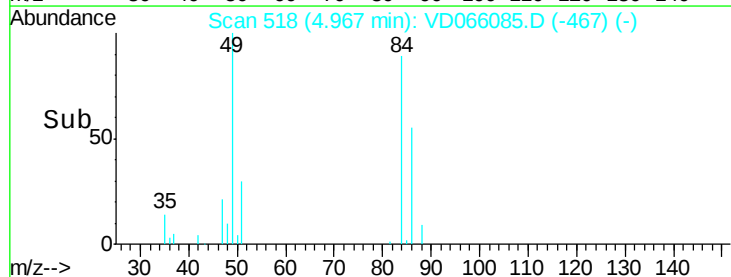
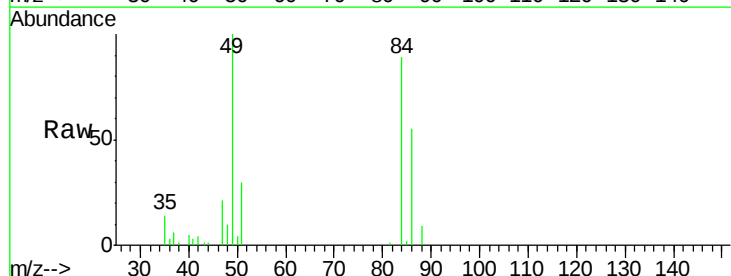
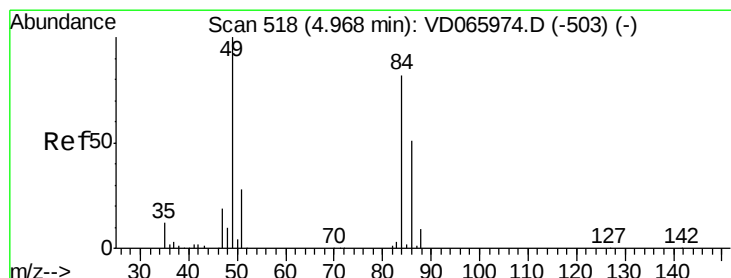
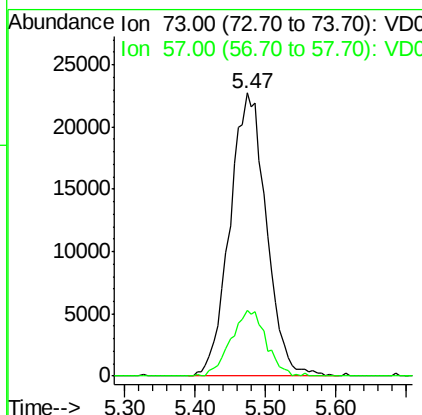
#19
Methyl tert-butyl Ether
Concen: 21.019 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tot Ion: 73 Resp: 81767
Ion Ratio Lower Upper
73 100
57 23.3 17.0 25.4

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

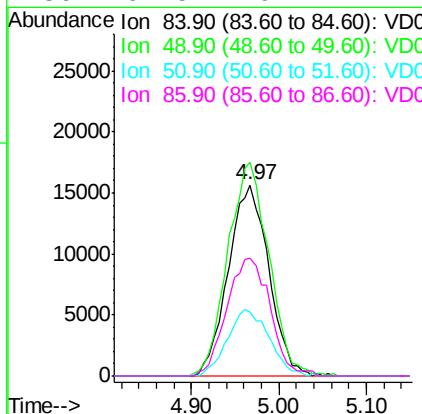
Manual Integrations
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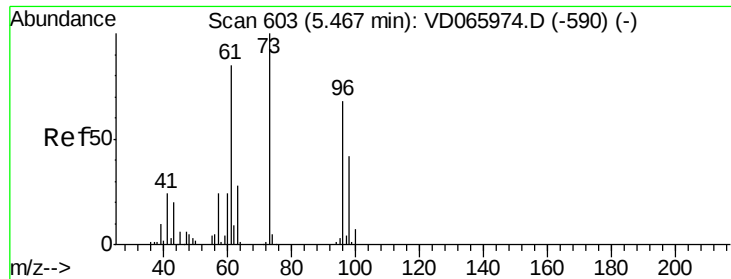
MMDadoda
7/30/2020 6:19:40 PM



#20
Methylene Chloride
Concen: 22.002 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion: 84 Resp: 49347
Ion Ratio Lower Upper
84 100
49 111.8 97.7 146.5
51 33.4 27.4 41.2
86 61.5 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 20.901 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 96 Resp: 44725

Ion Ratio Lower Upper

96 100

61 133.3 100.5 150.7

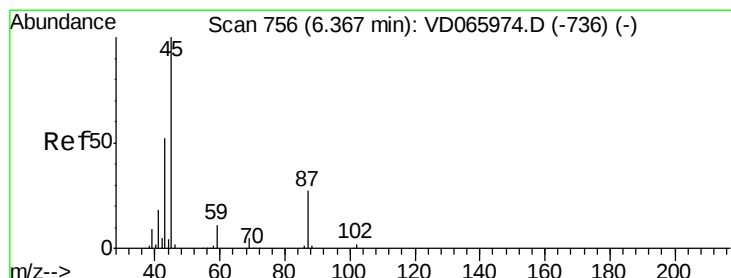
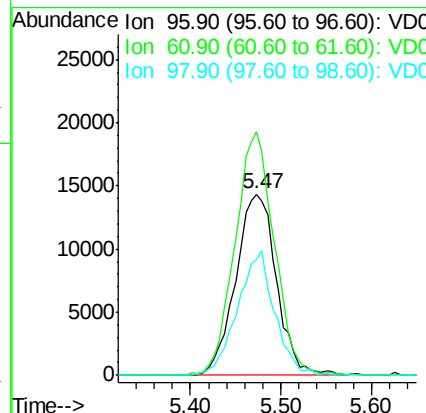
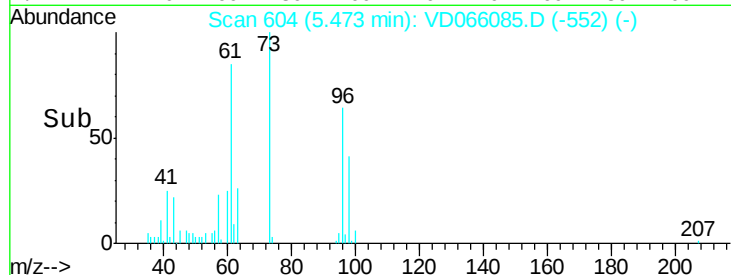
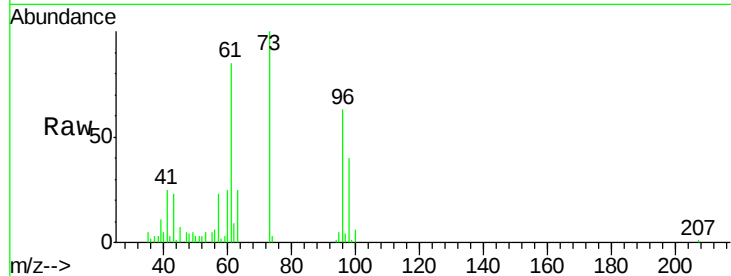
98 64.0 49.7 74.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.822 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Tgt Ion: 45 Resp: 111453

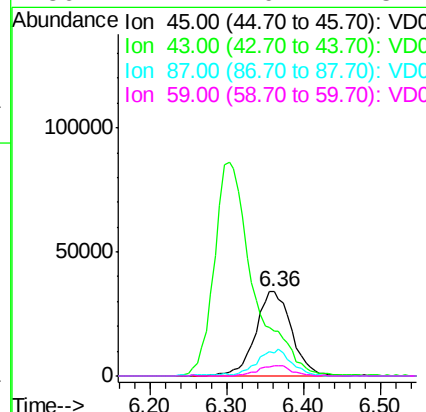
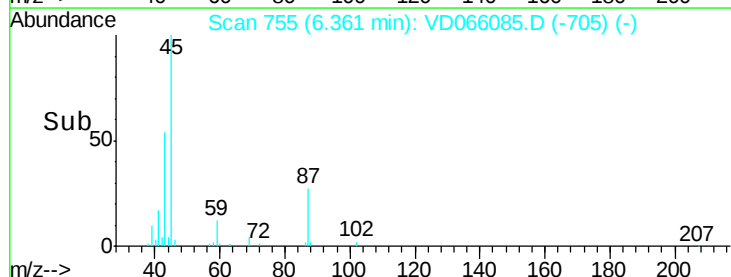
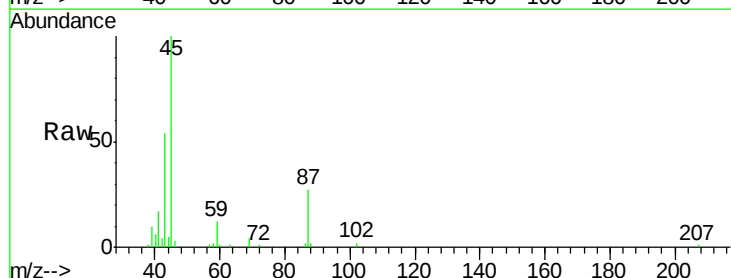
Ion Ratio Lower Upper

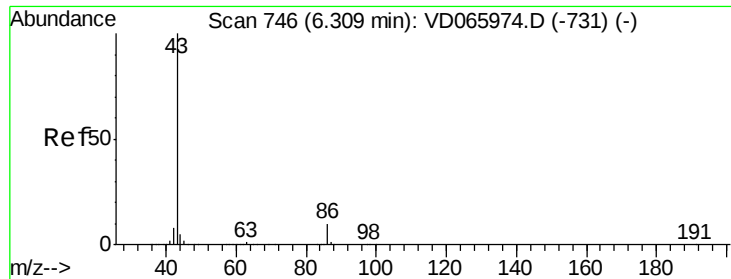
45 100

43 52.5 43.0 64.4

87 27.3 22.0 33.0

59 12.2 9.1 13.7





#23

Vinyl Acetate

Concen: 95.504 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleID :

VD0729SBS01

Tot Ion: 43 Resp: 302850

Ion Ratio Lower Upper

43 100

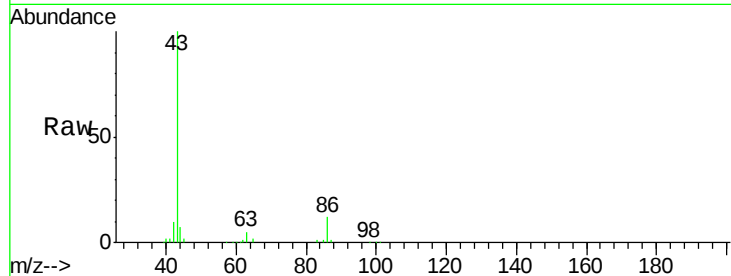
86 11.6 7.9 11.9

Manual Integrations

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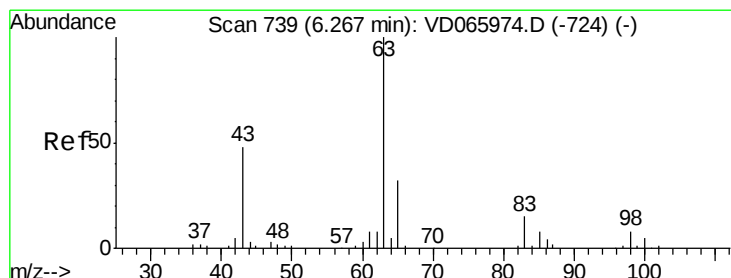
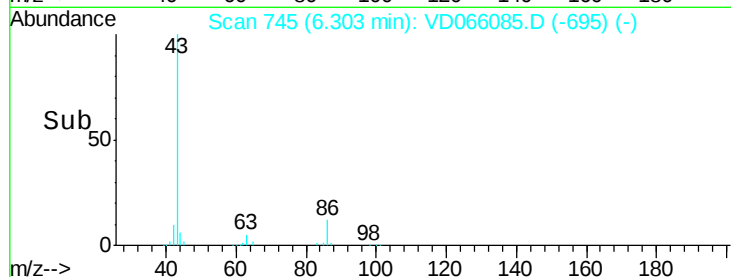
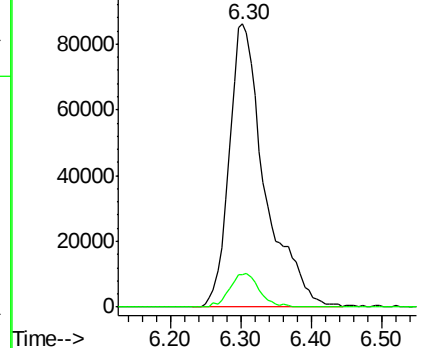
MMDadoda

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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: 21.465 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

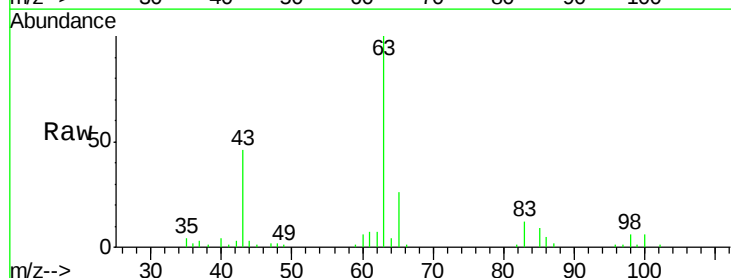
Tgt Ion: 63 Resp: 73130

Ion Ratio Lower Upper

63 100

98 6.0 4.3 12.8

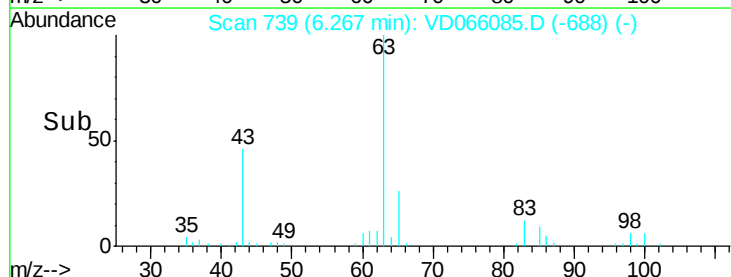
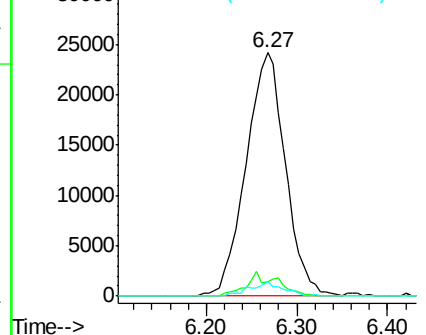
100 6.0 2.5 7.5

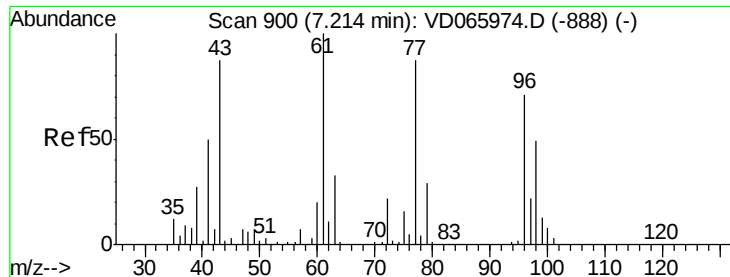


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 88.685 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 43 Resp: 44383

Ion Ratio Lower Upper

43 100

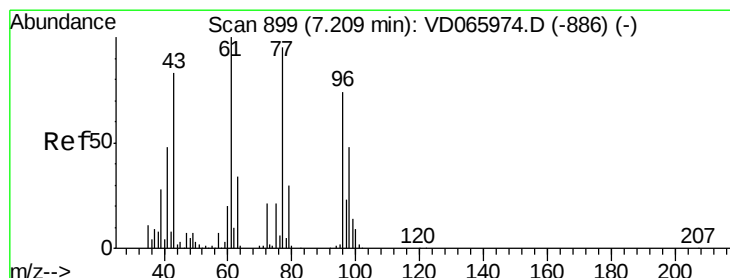
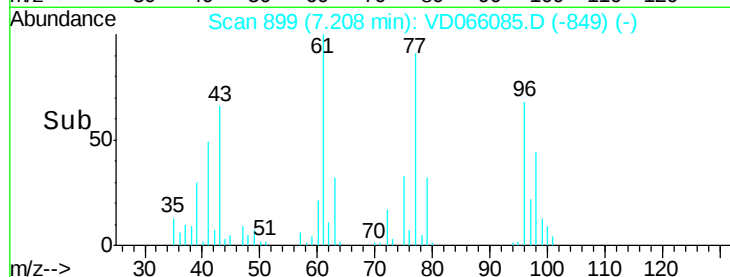
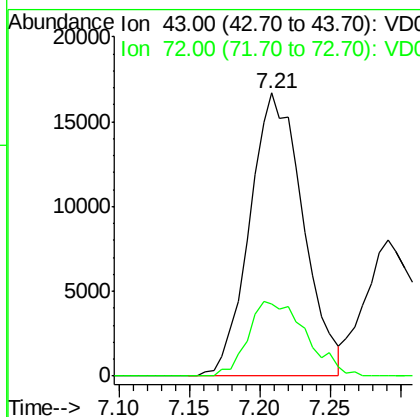
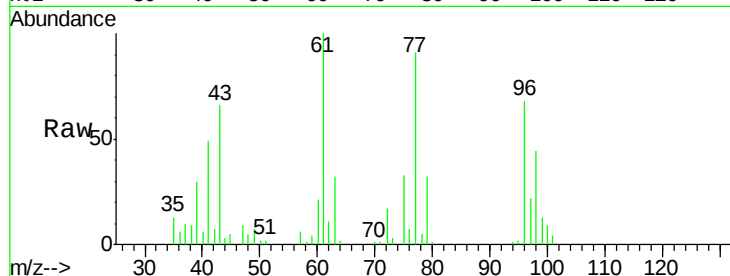
72 25.6 20.2 30.2

Manual Integrations

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7/30/2020 6:19:40 PM



#26

2,2-Dichloropropane

Concen: 23.097 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066085.D

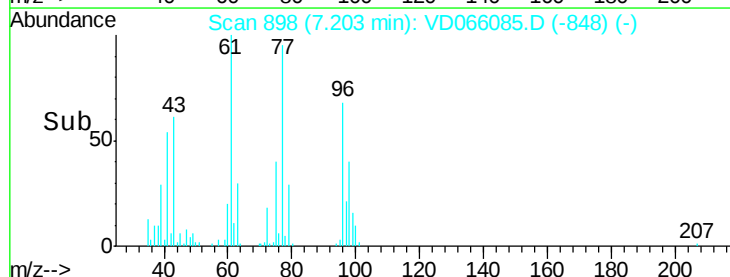
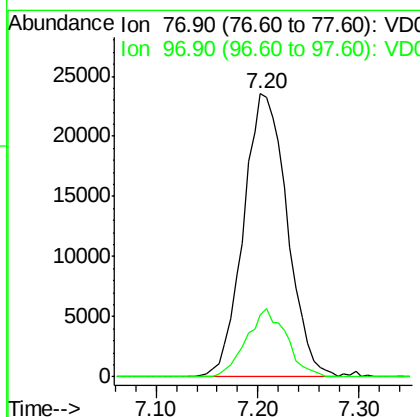
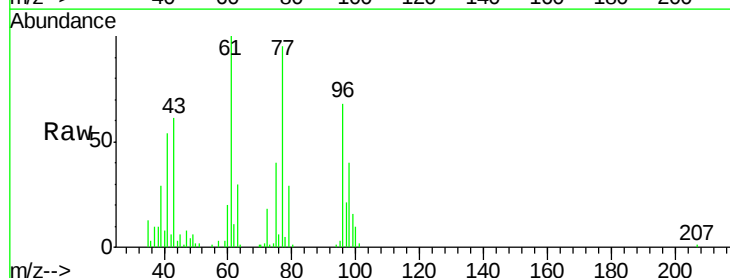
Acq: 29 Jul 2020 11:30

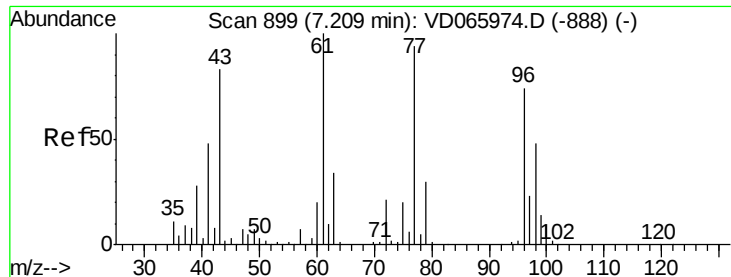
Tgt Ion: 77 Resp: 70761

Ion Ratio Lower Upper

77 100

97 22.1 11.6 34.7





#27

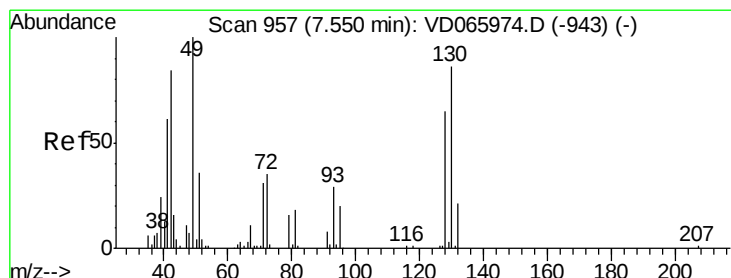
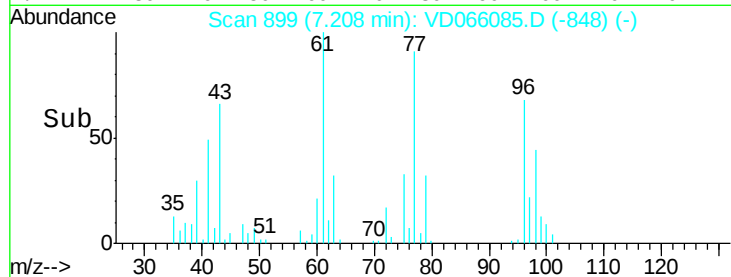
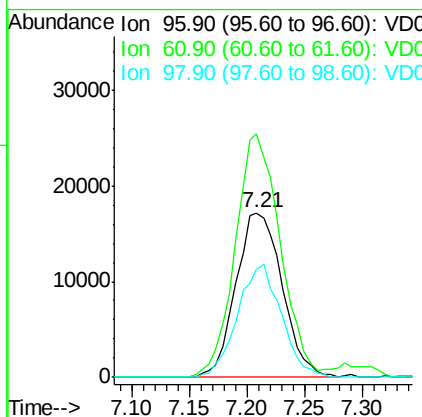
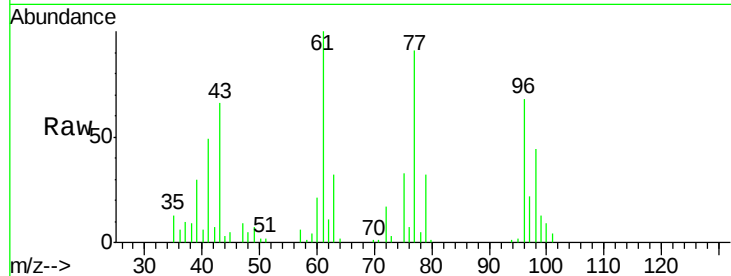
cis-1,2-Dichloroethene
 Concen: 21.135 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	276.6
98	64.9	0.0	130.8

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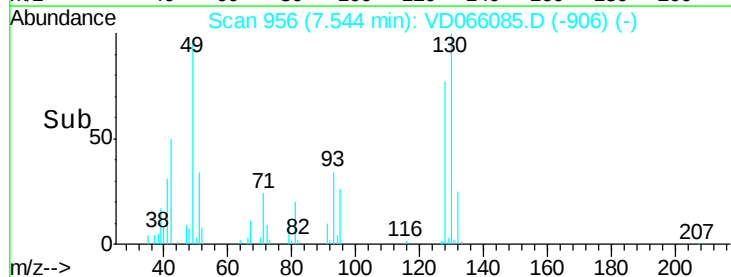
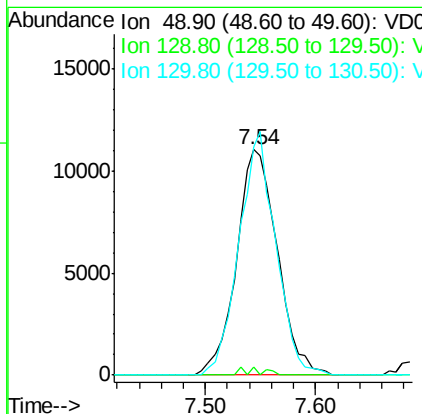
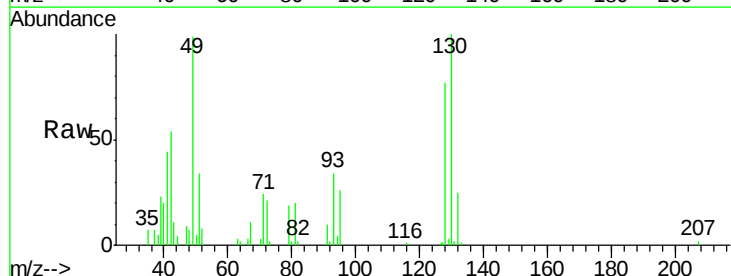
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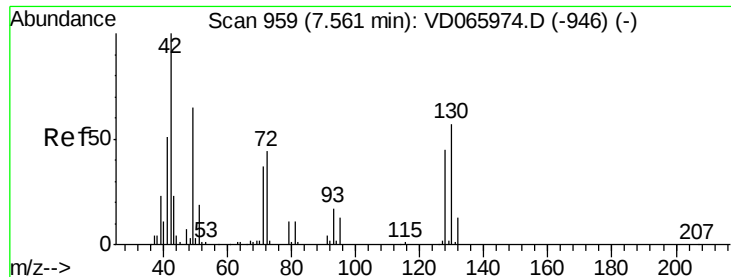


#28

Bromochloromethane
 Concen: 19.840 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.8
130	97.4	68.4	102.6





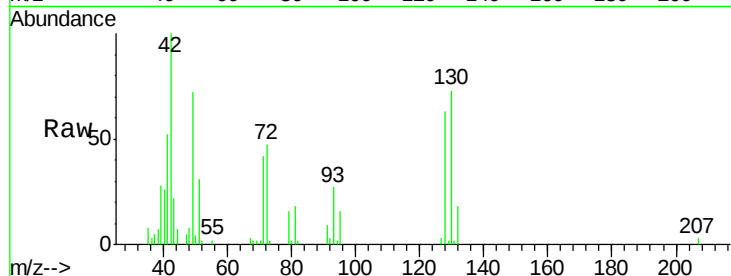
#29
Tetrahydrofuran
Concen: 88.495 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

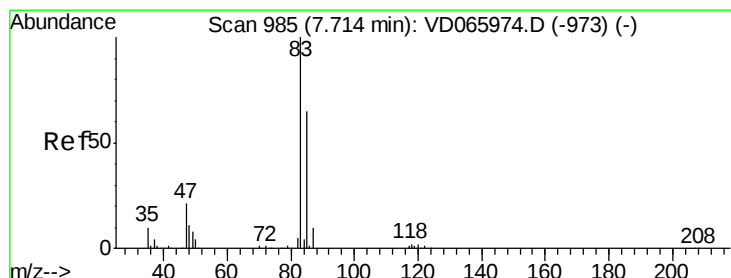
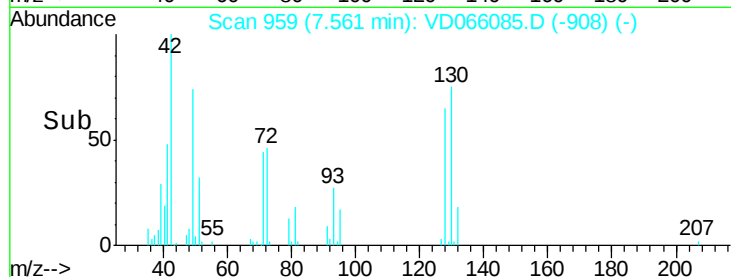
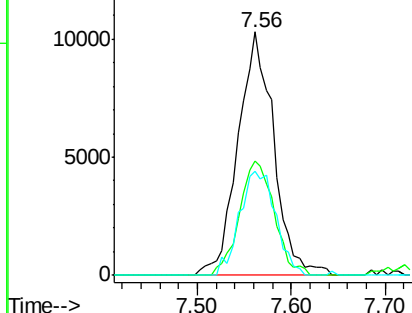
Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.2	51.2
71	42.8	31.4	47.2

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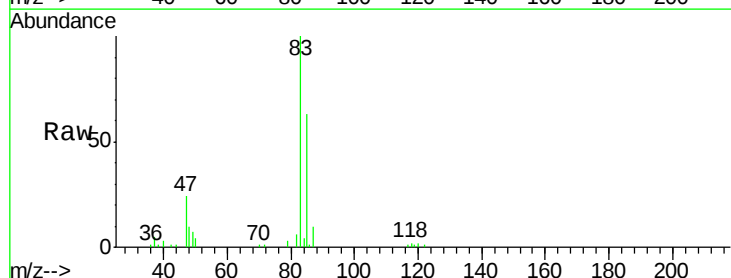


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

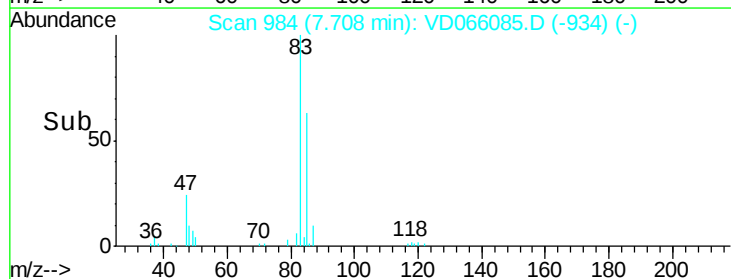
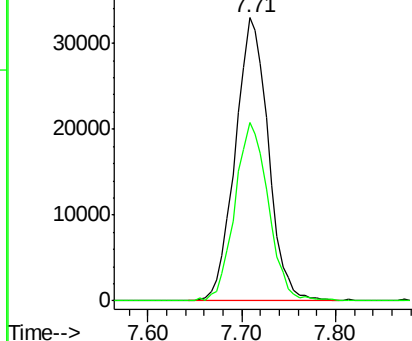


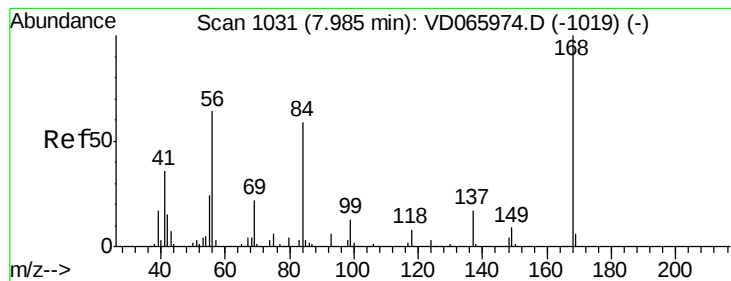
#30
Chloroform
Concen: 22.582 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	52.1	78.1



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 19.501 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

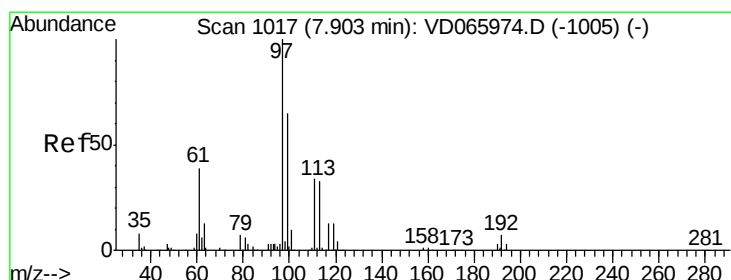
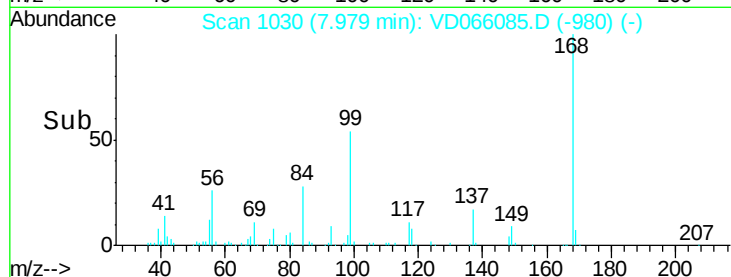
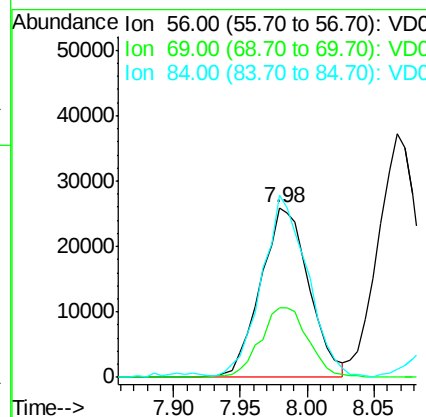
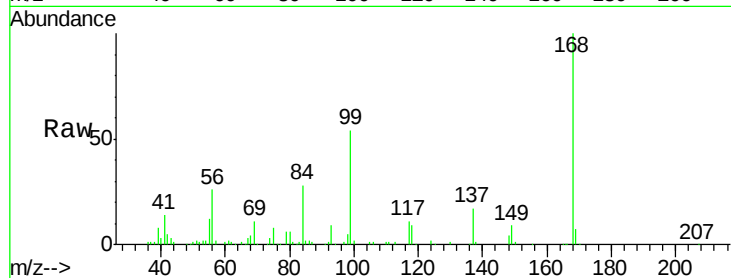
ClientSampleId :

VD0729SBS01

Tot Ion:	56	Resp:	65362
Ion	Ratio	Lower	Upper
56	100		
69	41.0	28.0	42.0
84	104.8	72.6	109.0

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#32

1,1,1-Trichloroethane

Concen: 22.858 ug/l

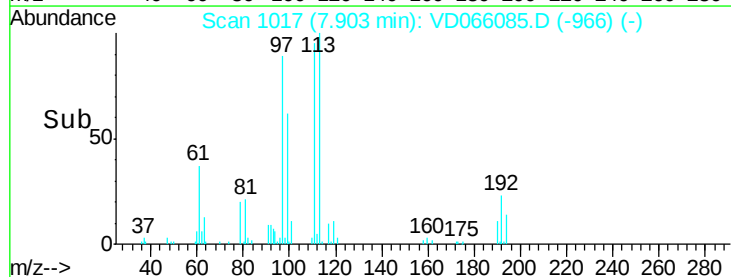
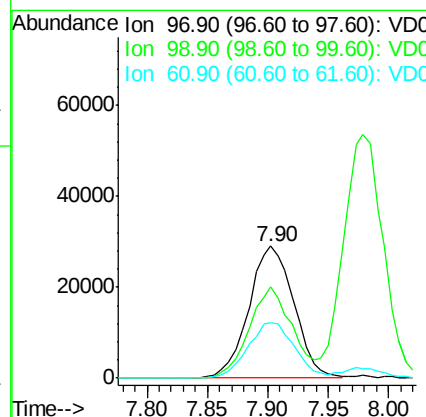
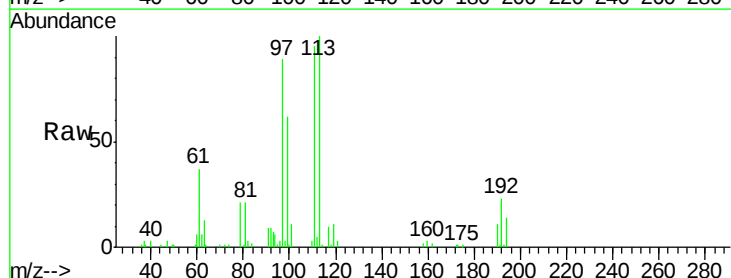
RT: 7.90 min Scan# 1017

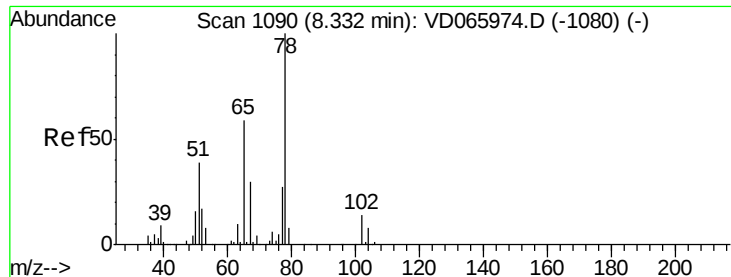
Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Tgt Ion:	97	Resp:	75349
Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.8	77.6
61	43.4	33.3	49.9





#33

1,2-Dichloroethane-d4

Concen: 56.958 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 65 Resp: 106130

Ion Ratio Lower Upper

65 100

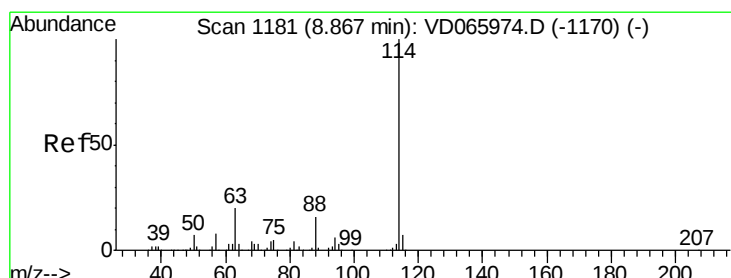
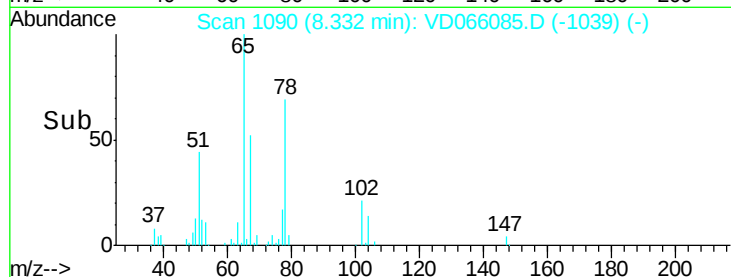
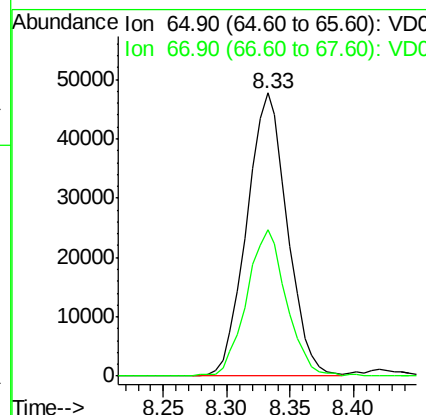
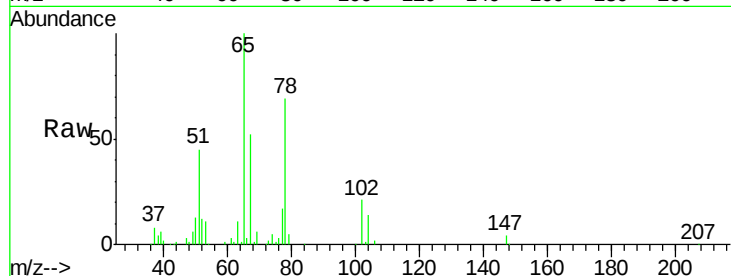
67 50.8 0.0 105.0

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7/30/2020 6:19:40 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

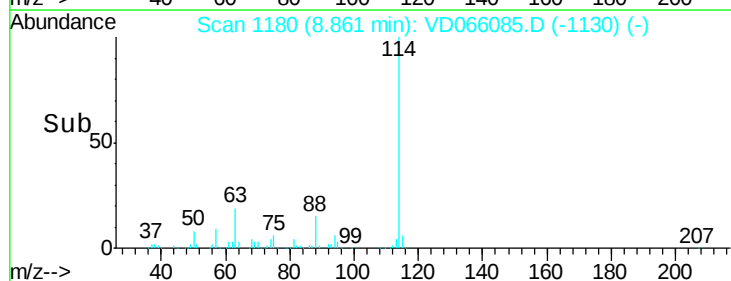
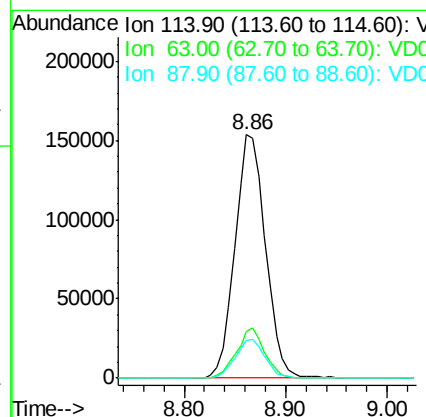
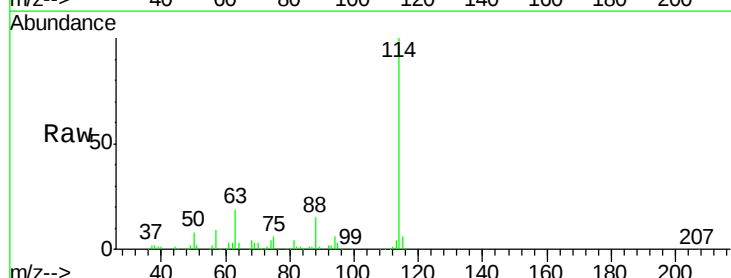
Tgt Ion: 114 Resp: 320693

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 15.2 0.0 31.2





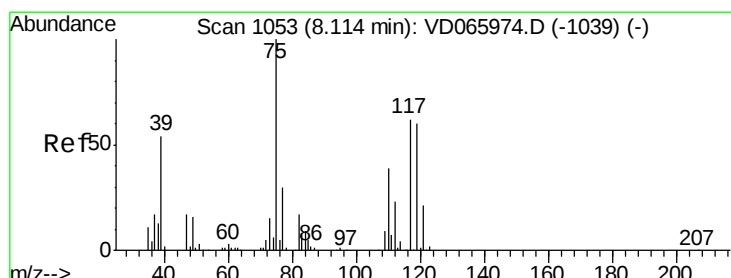
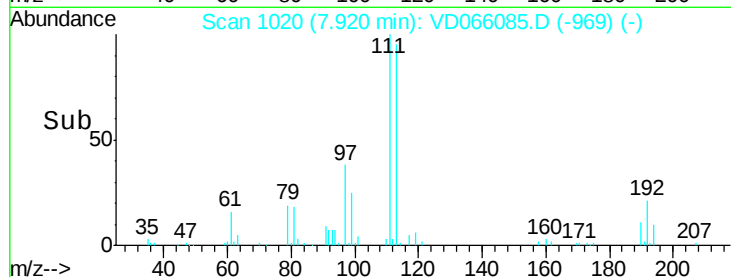
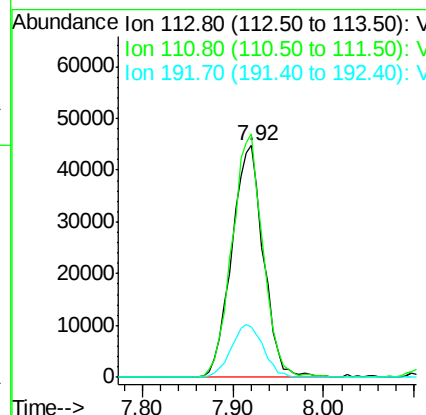
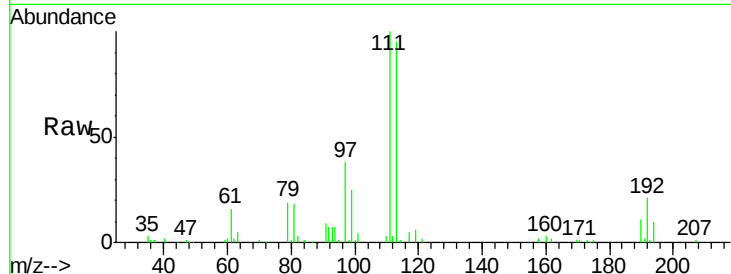
#35
 Dibromofluoromethane
 Concen: 55.834 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	108603		
111	102.5	83.2	124.8	
192	22.9	18.7	28.1	

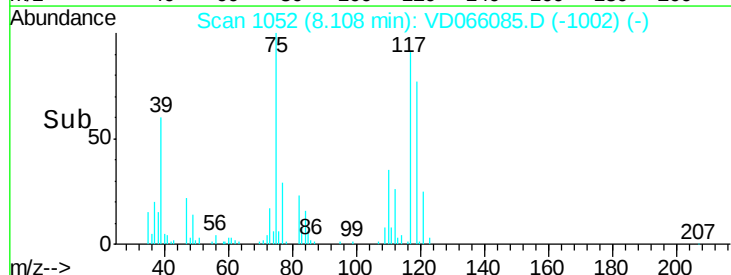
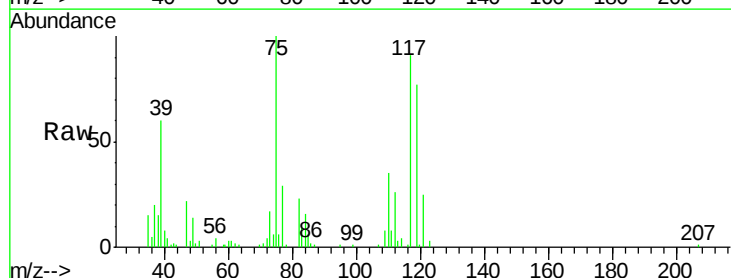
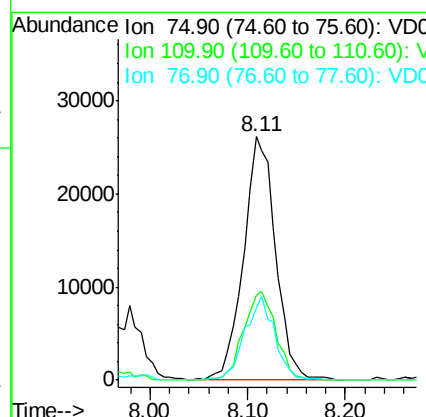
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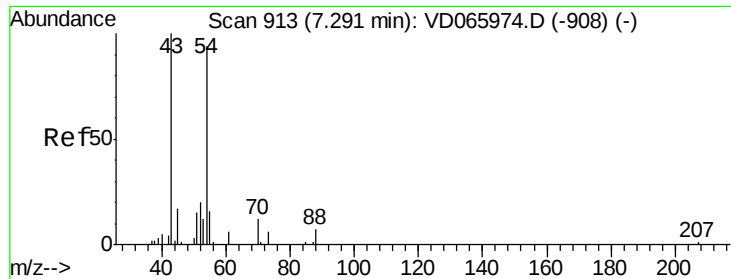
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#36
 1,1-Dichloropropene
 Concen: 21.922 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60001		
110	36.7	19.5	58.5	
77	32.1	24.7	37.1	





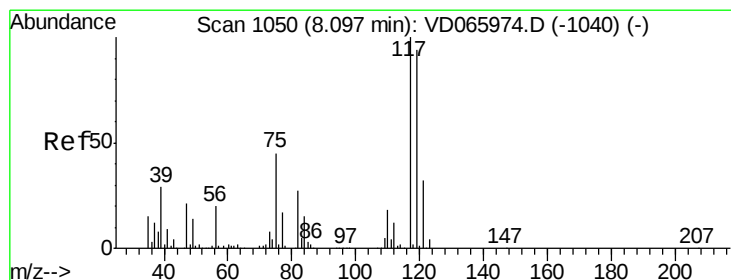
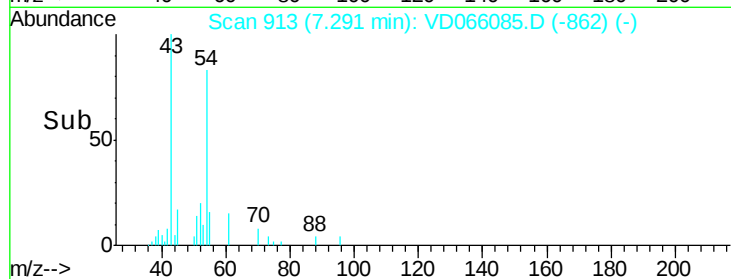
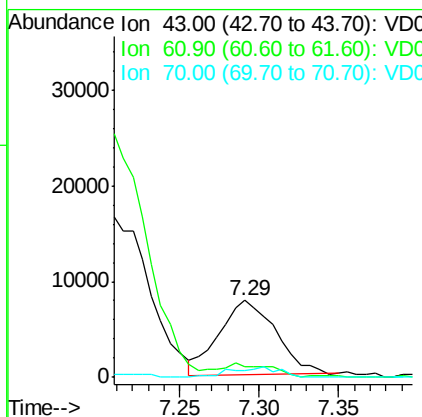
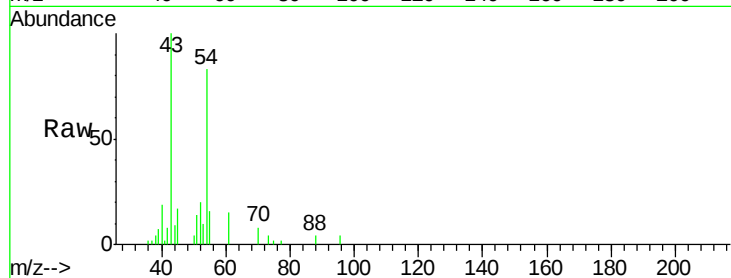
#37
Ethyl Acetate
Concen: 18.398 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.4	17.0
70	12.2	9.3	13.9

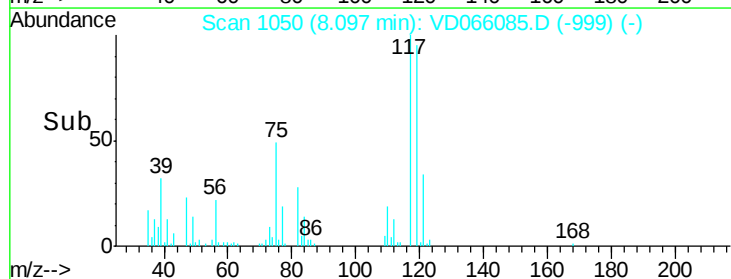
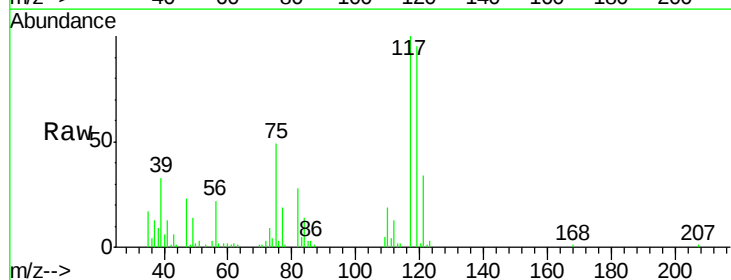
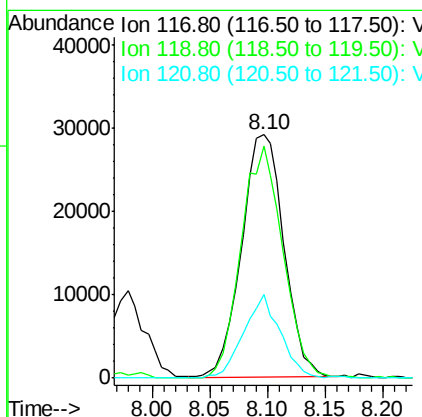
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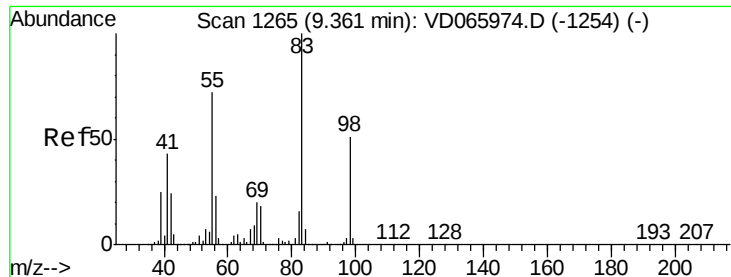
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#38
Carbon Tetrachloride
Concen: 25.062 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	75.0	112.6
121	34.4	25.5	38.3





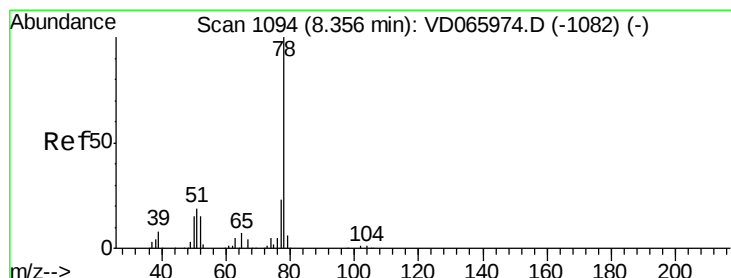
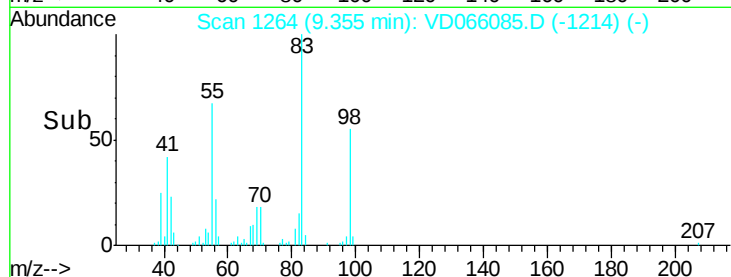
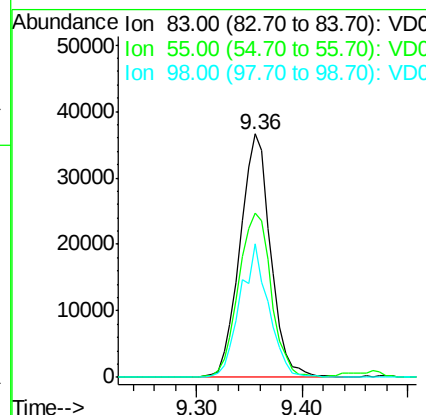
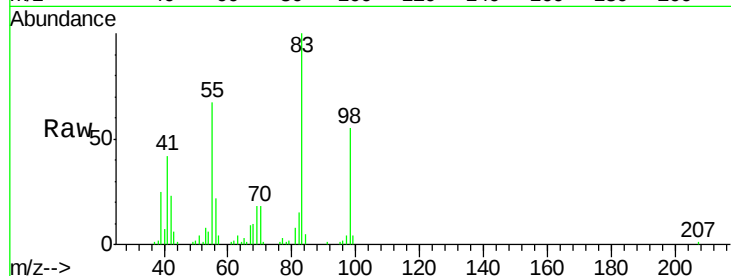
#39
Methvlcvclohexane
Concen: 22.129 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.3	57.3	85.9
98	54.6	41.0	61.6

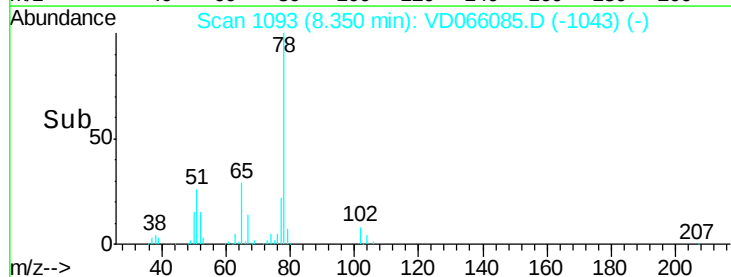
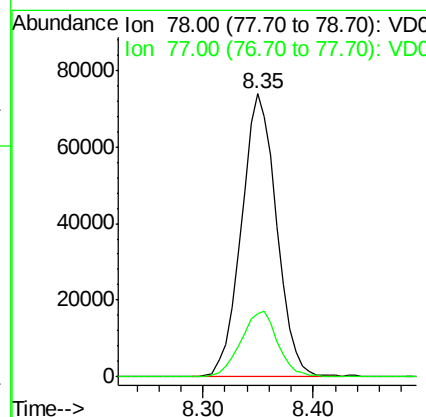
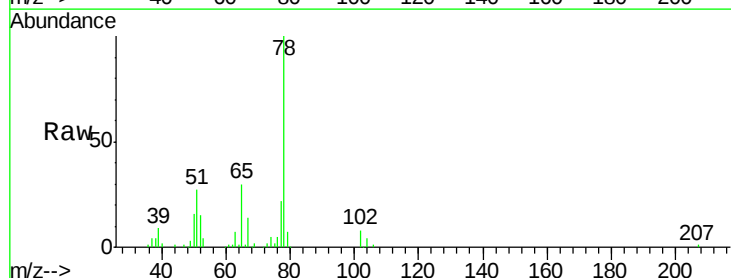
Manual Integrations
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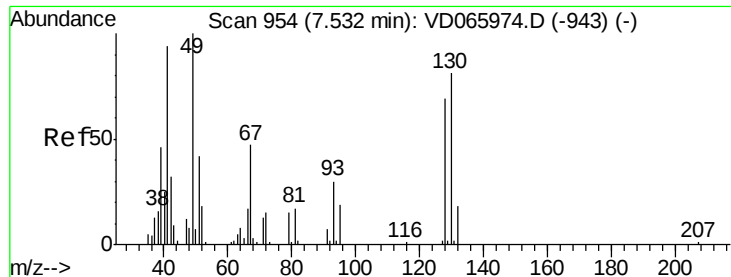
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#40
Benzene
Concen: 21.571 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.6	27.8





#41

Methacrylonitrile

Concen: 18.219 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleID :

VD0729SBS01

Tot Ion: 41 Resp: 10909

Ion Ratio Lower Upper

41 100

39 65.0 0.0 0.0#

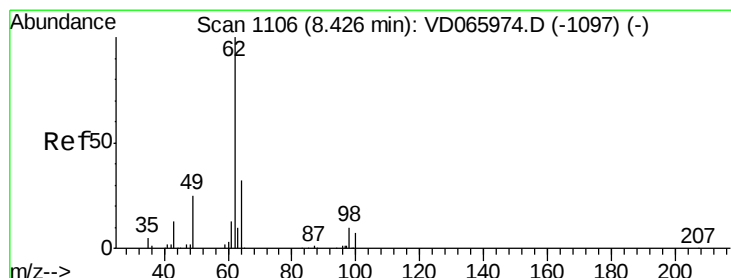
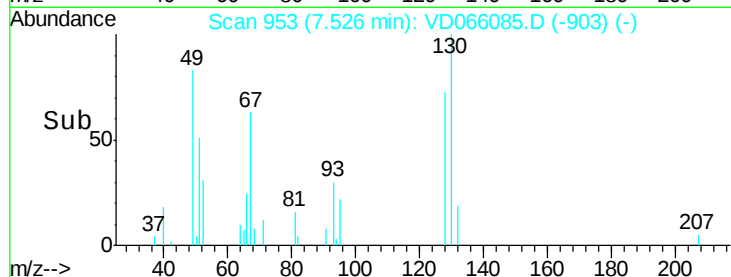
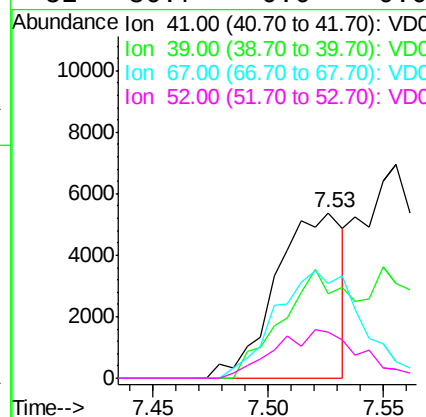
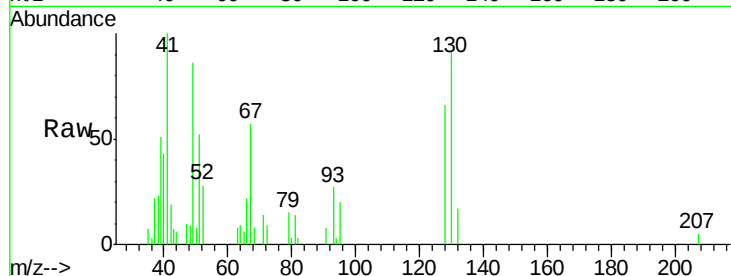
67 82.7 0.0 0.0#

52 36.7 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 23.272 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD066085.D

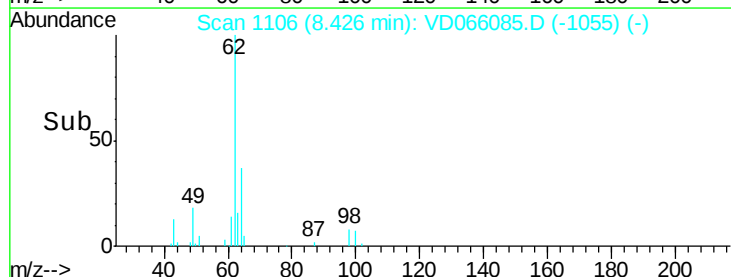
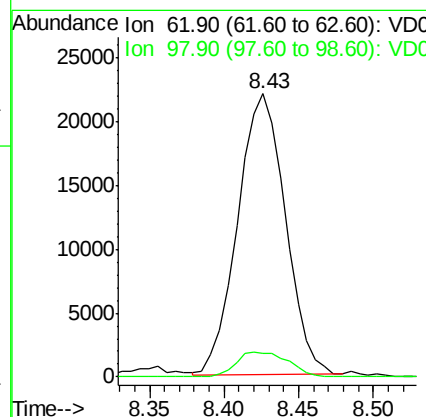
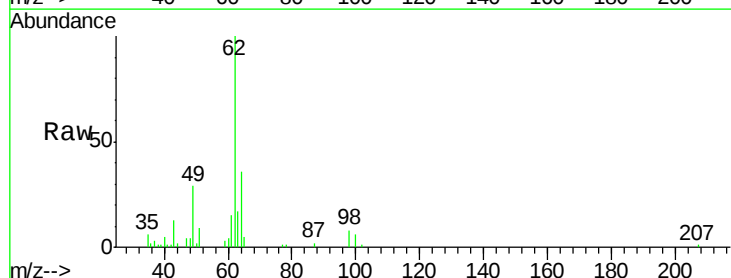
Acq: 29 Jul 2020 11:30

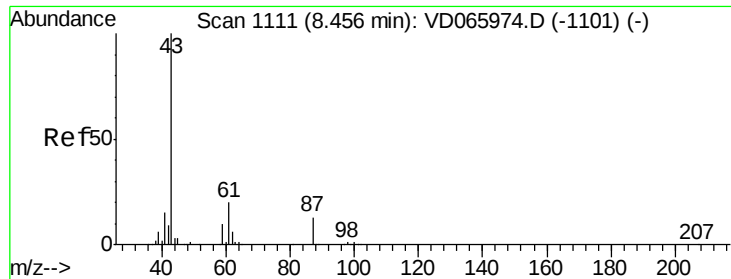
Tgt Ion: 62 Resp: 48829

Ion Ratio Lower Upper

62 100

98 9.6 0.0 21.0





#43

Isopropyl Acetate

Concen: 19.740 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

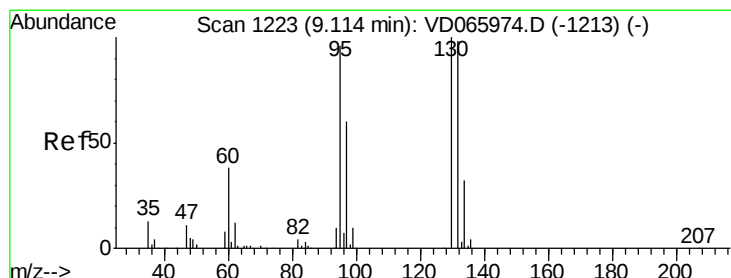
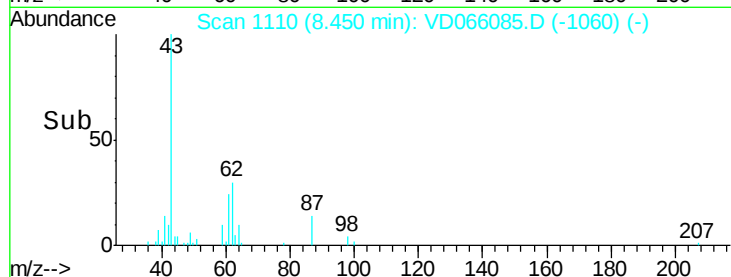
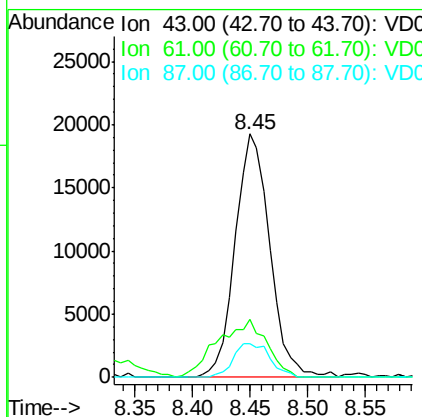
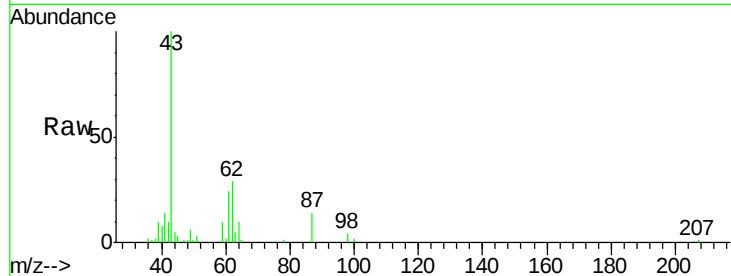
ClientSampleId :

VD0729SBS01

Tot Ion:	43	Resp:	40299
Ion	Ratio	Lower	Upper
43	100		
61	33.6	25.8	38.8
87	14.6	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 22.902 ug/l

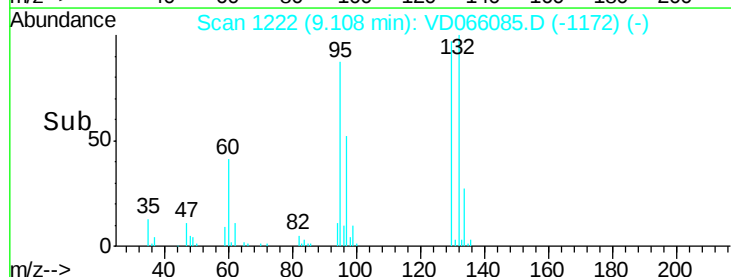
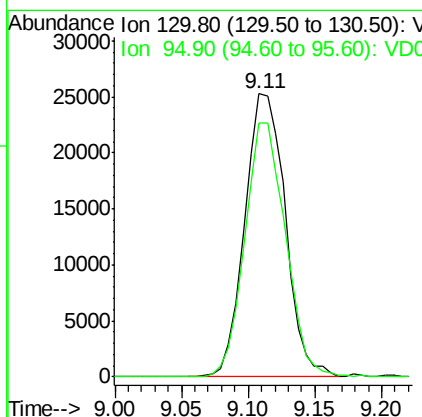
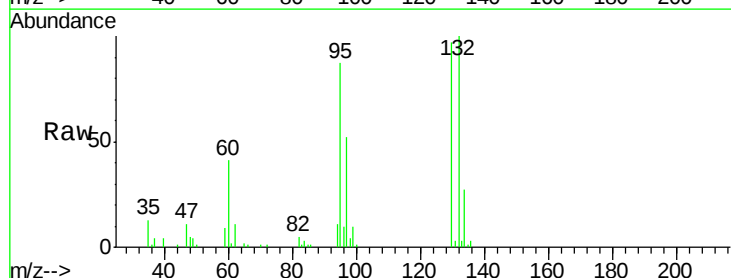
RT: 9.11 min Scan# 1222

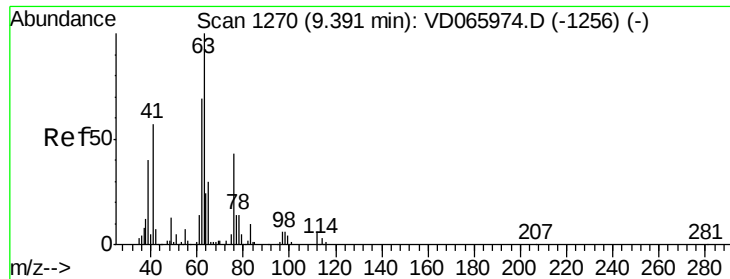
Delta R.T. -0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Tgt Ion:	130	Resp:	53067
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	191.6





#45

1,2-Dichloropropane

Concen: 20.972 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 63 Resp: 38893

Ion Ratio Lower Upper

63 100

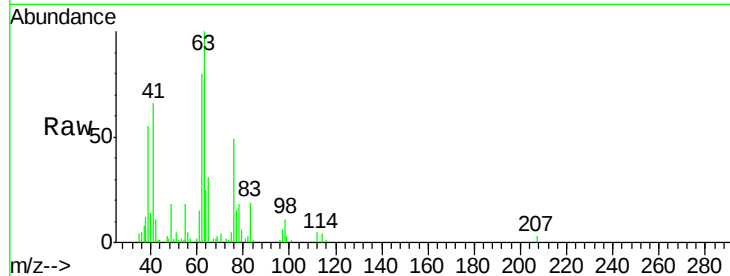
65 31.1 24.0 36.0

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

20000

15000

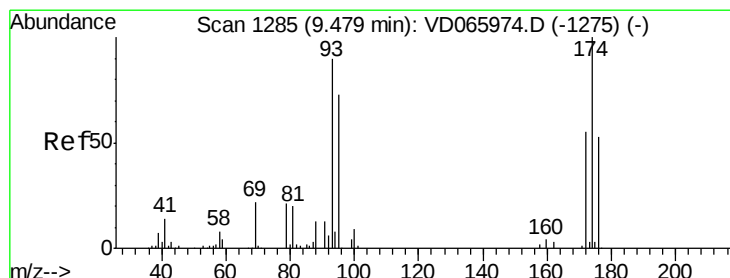
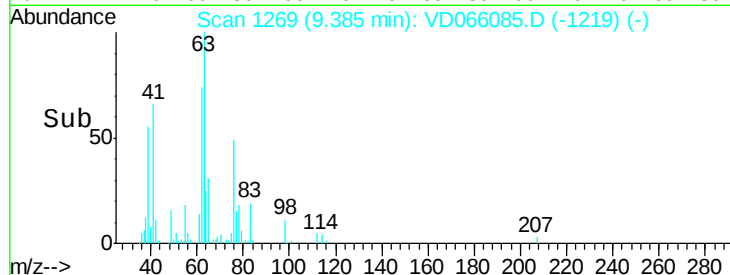
10000

5000

0

9.30 9.40 9.50

Time-->



#46

Dibromomethane

Concen: 21.768 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

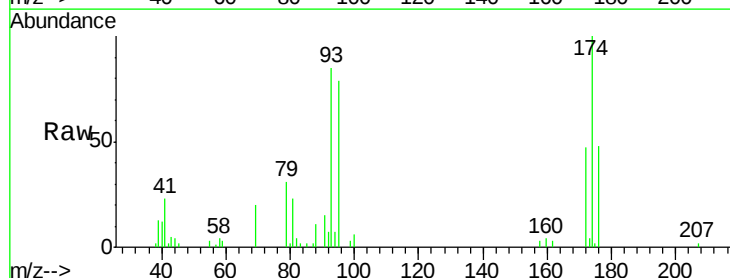
Tgt Ion: 93 Resp: 21732

Ion Ratio Lower Upper

93 100

95 85.9 66.2 99.4

174 119.2 91.5 137.3



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC

15000

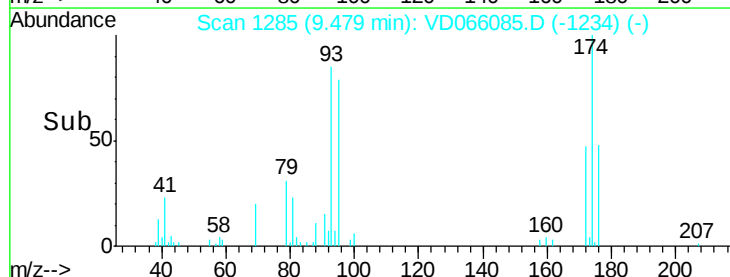
10000

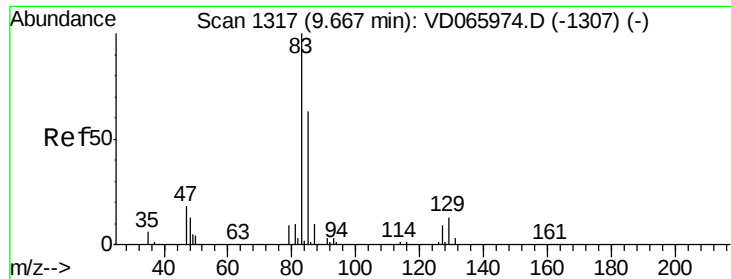
5000

0

9.40 9.45 9.50 9.55

Time-->





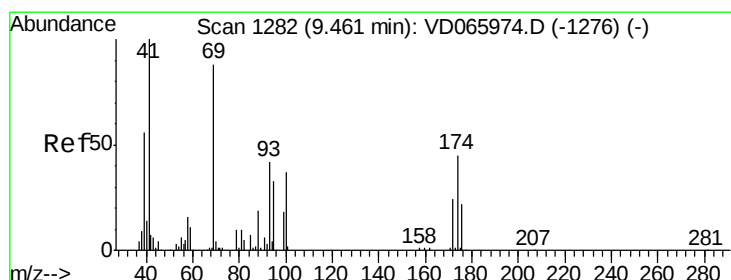
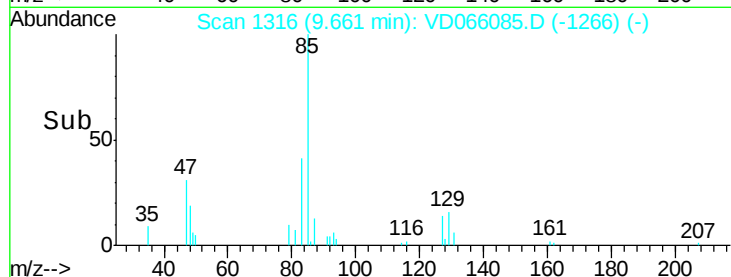
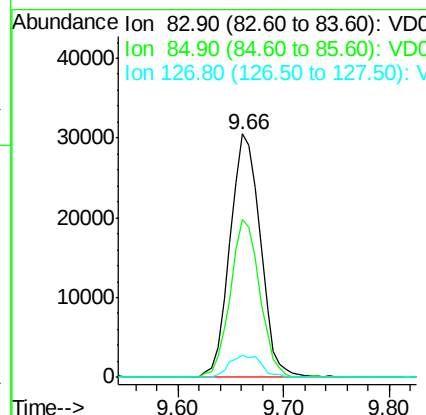
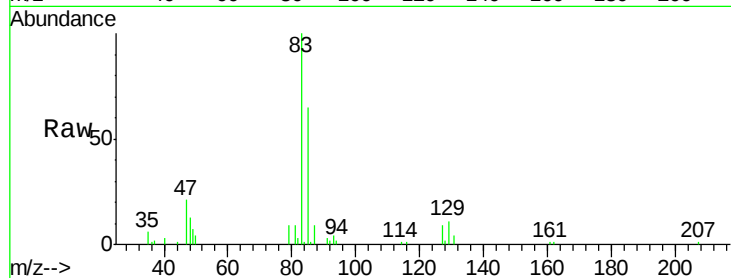
#47
Bromodichloromethane
Concen: 23.054 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	60856		
85	65.0		50.6	75.8
127	9.0		7.1	10.7

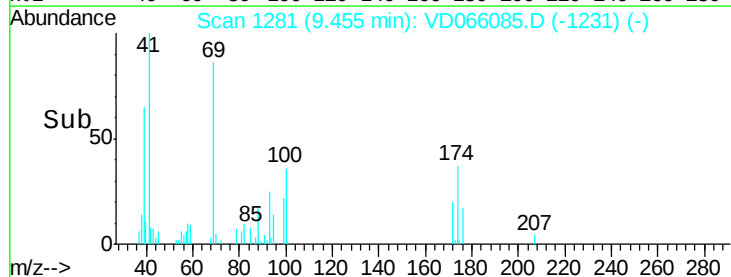
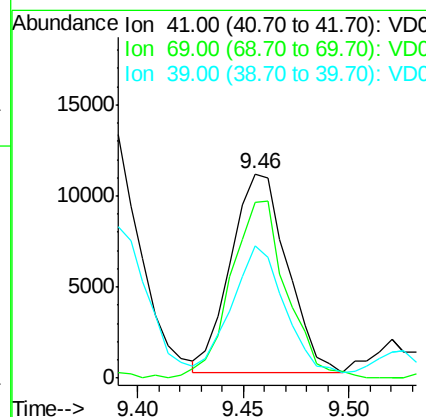
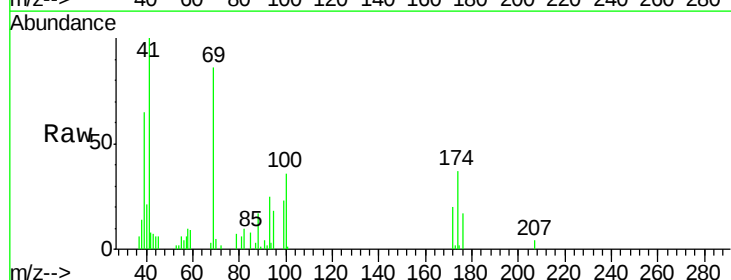
Manual Integrations
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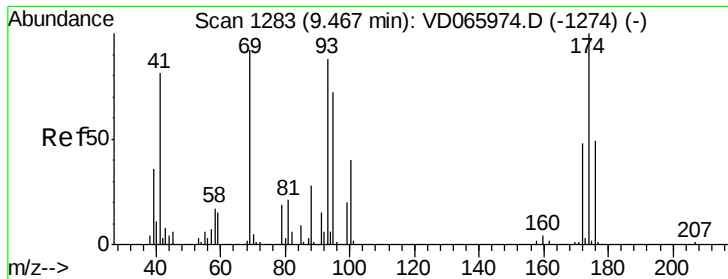
MMDadoda
7/30/2020 6:19:40 PM



#48
Methyl methacrylate
Concen: 19.497 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	20078		
69	88.9		65.1	97.7
39	58.9		41.5	62.3





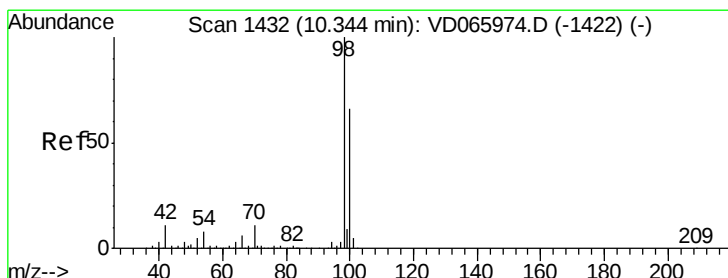
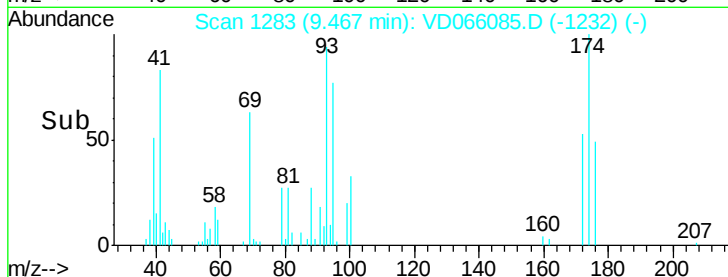
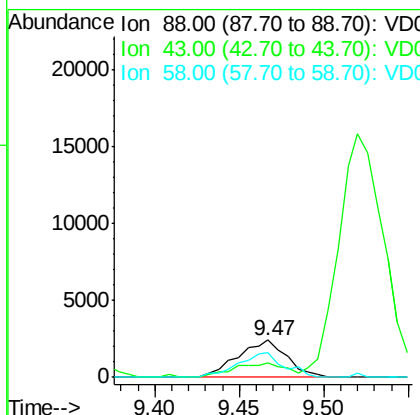
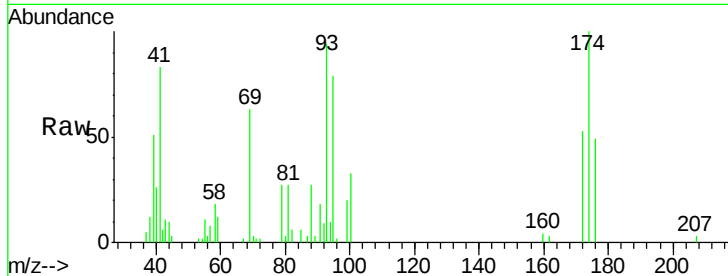
#49
1,4-Dioxane
Concen: 421.230 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	88	Resp	4872
Ion Ratio	100	Lower	Upper
88	100		
43	41.7	29.0	43.6
58	61.4	57.0	85.4

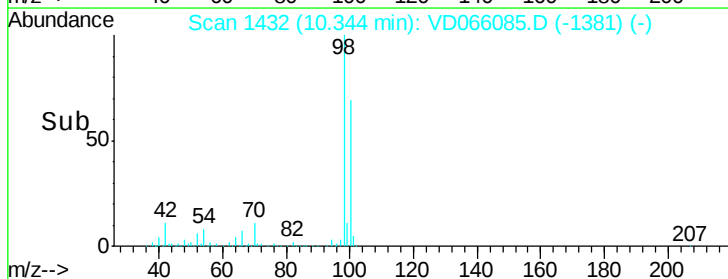
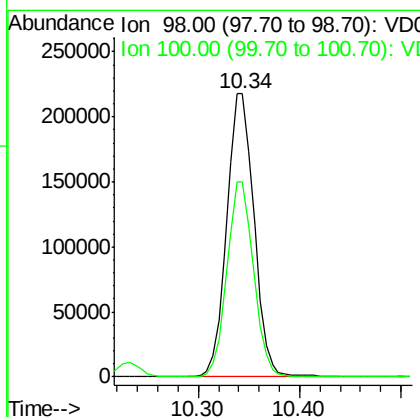
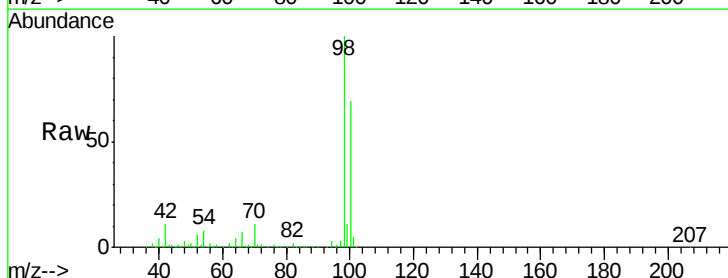
Manual Integrations
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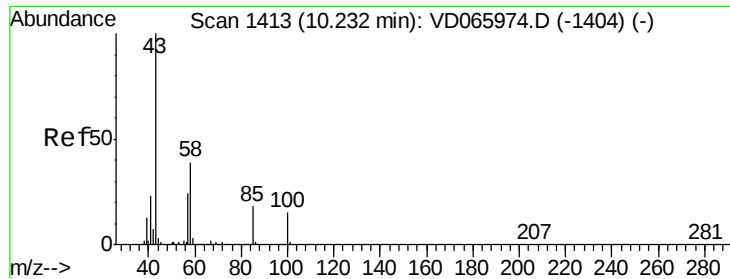
MMDadoda
7/30/2020 6:19:40 PM



#50
Toluene-d8
Concen: 56.150 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	98	Resp	406861
Ion Ratio	100	Lower	Upper
98	100		
100	67.5	52.7	79.1





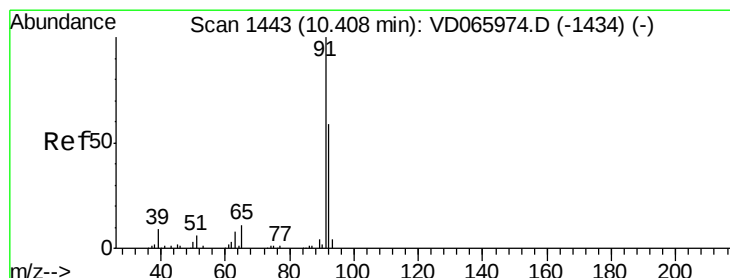
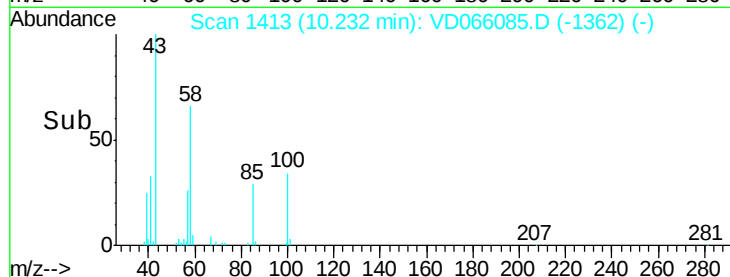
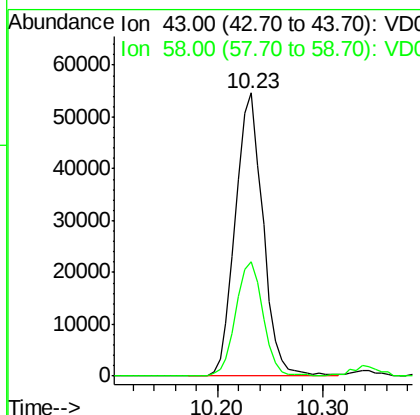
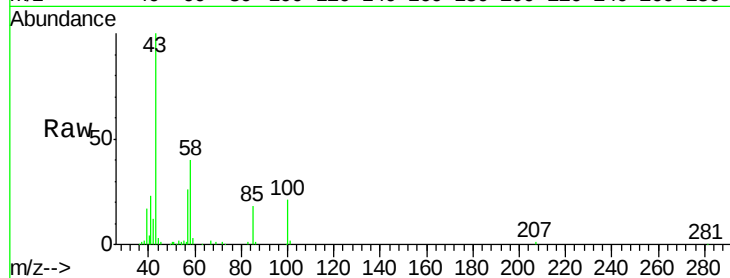
#51
4-Methyl-2-Pentanone
Concen: 96.258 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.8	31.3	46.9

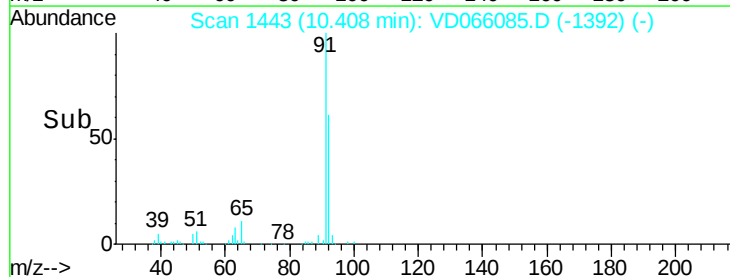
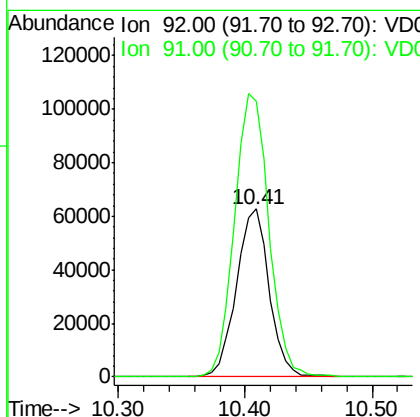
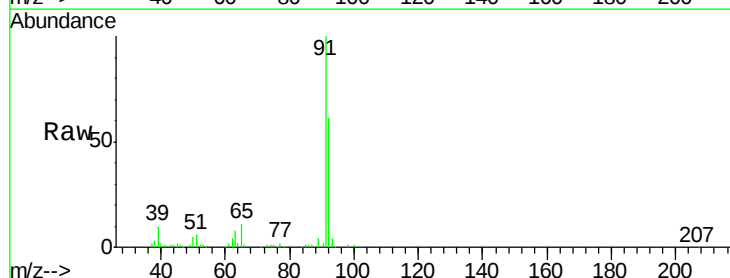
Manual Integrations
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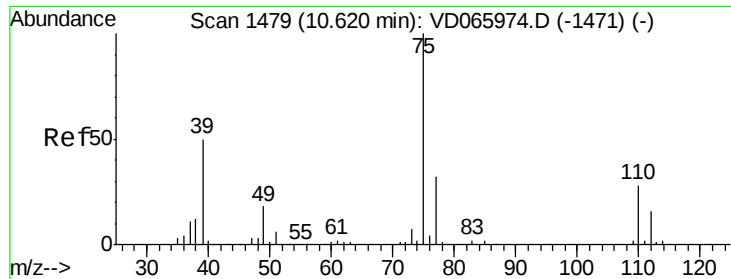
MMDadoda
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#52
Toluene
Concen: 22.467 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.7	134.5	201.7





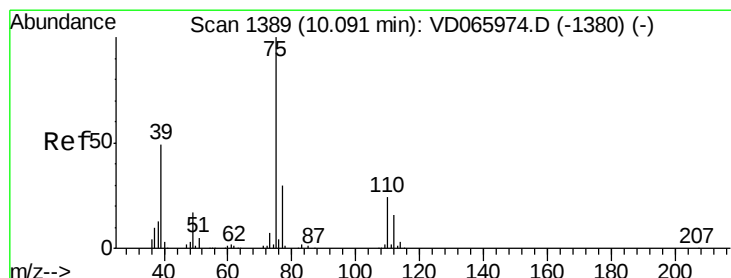
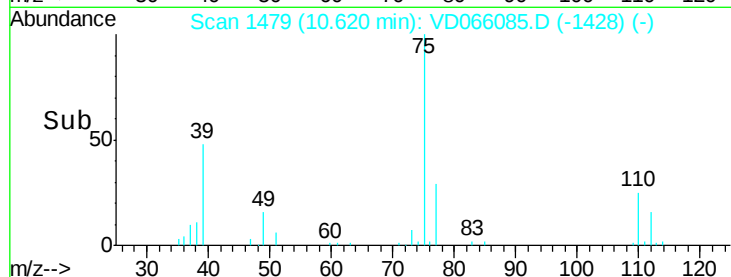
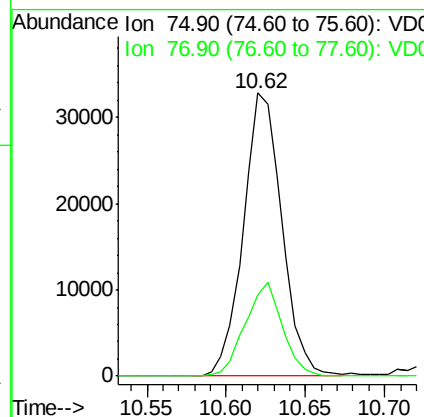
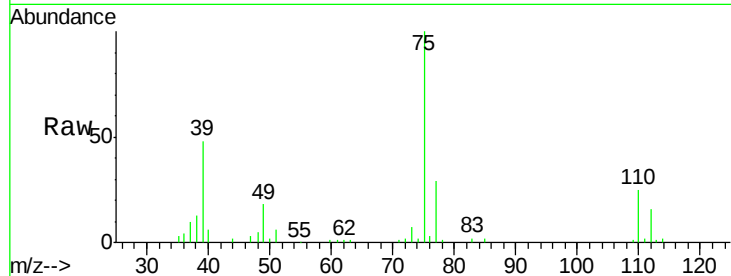
#53
t-1,3-Dichloropropene
Concen: 22.579 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion: 75 Resp: 55527
Ion Ratio Lower Upper
75 100
77 28.8 25.8 38.6

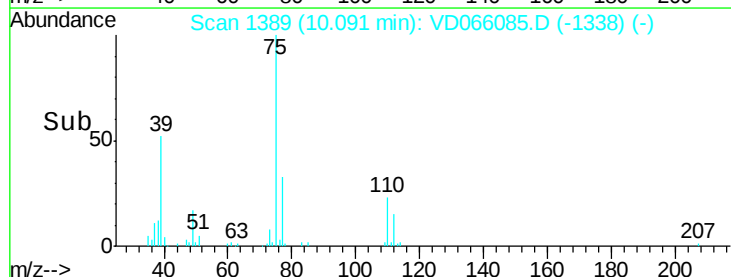
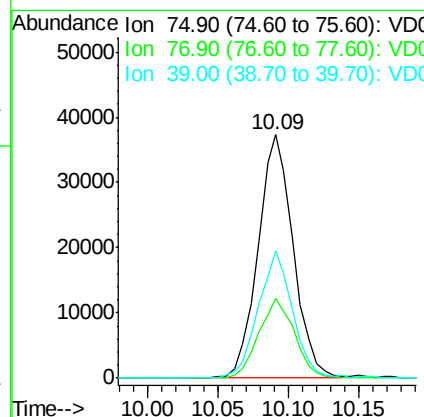
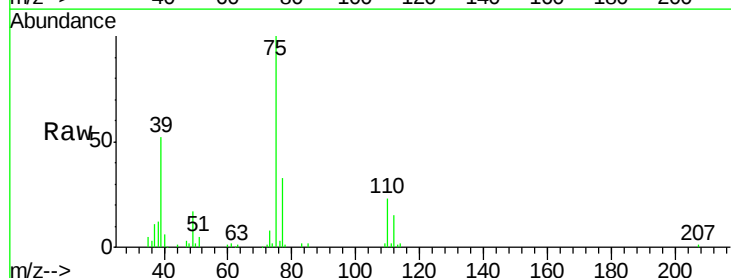
Manual Integrations
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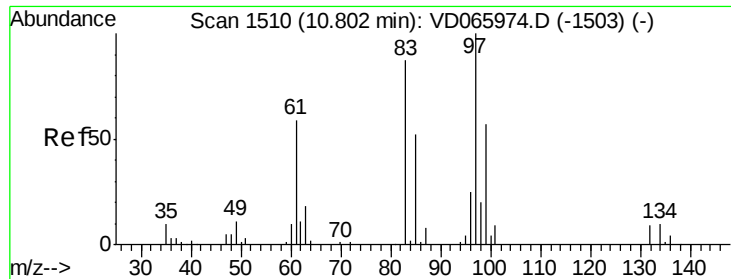
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#54
cis-1,3-Dichloropropene
Concen: 21.875 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion: 75 Resp: 65210
Ion Ratio Lower Upper
75 100
77 32.6 23.8 35.8
39 52.3 38.8 58.2





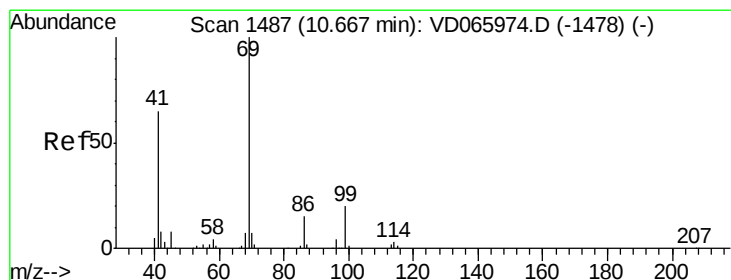
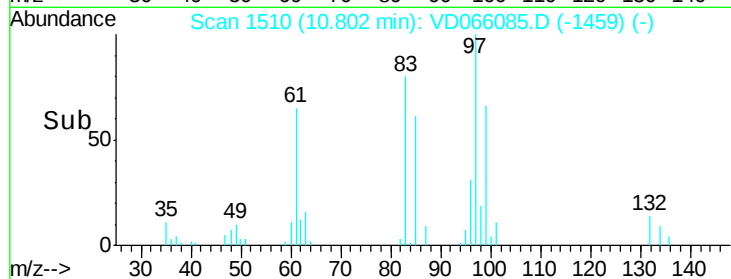
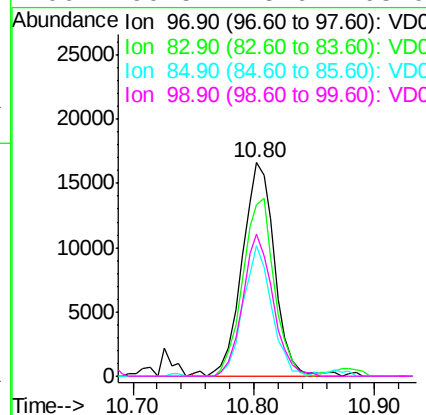
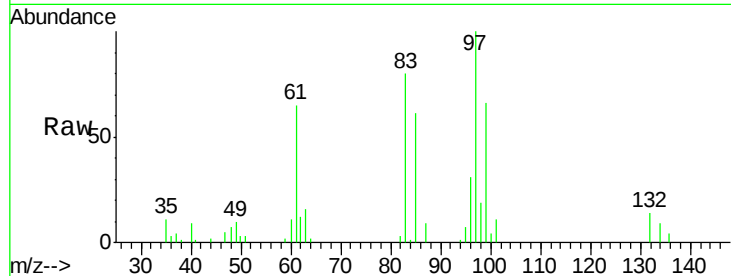
#55
 1,1,2-Trichloroethane
 Concen: 22.033 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion:	97	Resp:	31196
Ion	Ratio	Lower	Upper
97	100		
83	80.4	69.7	104.5
85	61.1	41.6	62.4
99	66.5	45.9	68.9

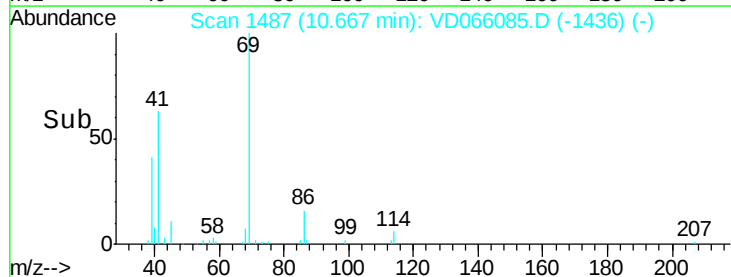
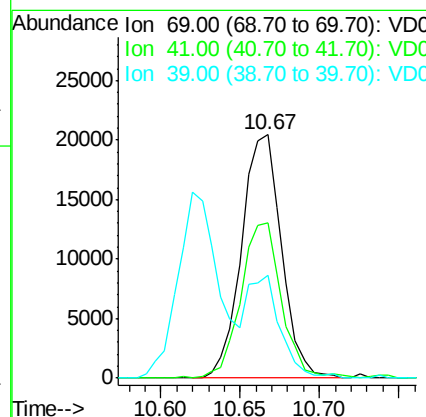
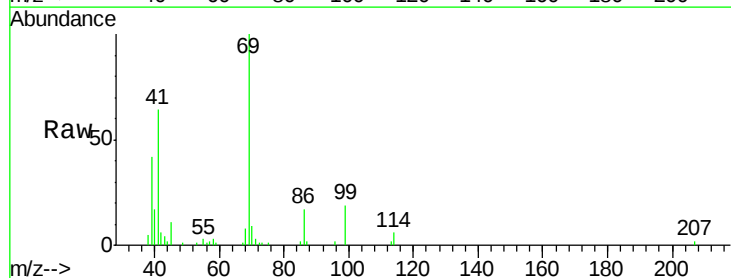
Manual Integrations
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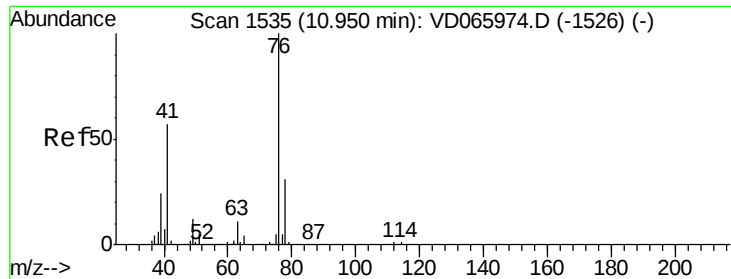
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#56
 Ethyl methacrylate
 Concen: 21.710 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Tgt Ion:	69	Resp:	35738
Ion	Ratio	Lower	Upper
69	100		
41	65.0	52.3	78.5
39	34.5	25.2	37.8





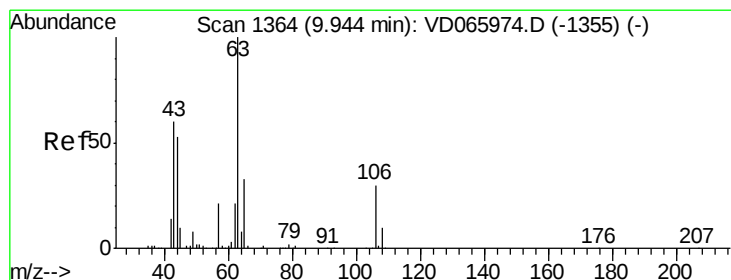
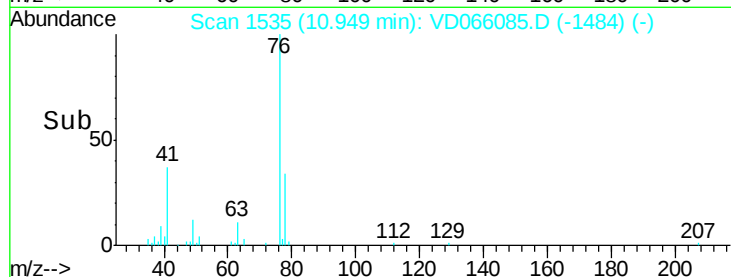
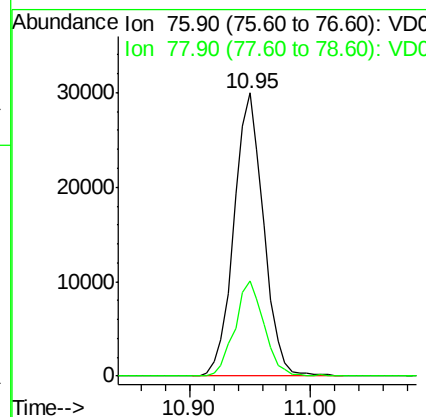
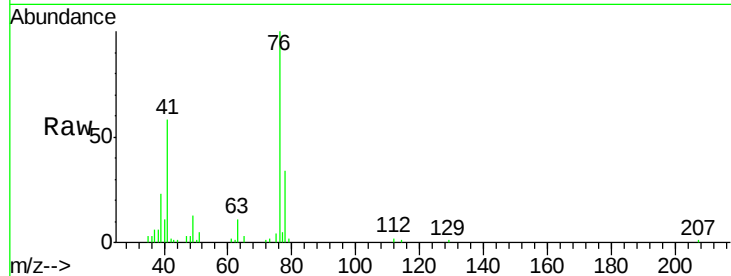
#57
 1,3-Dichloropropane
 Concen: 21.772 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion: 76 Resp: 51032
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.6 38.4

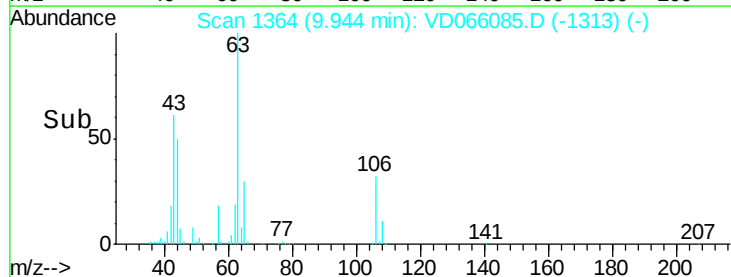
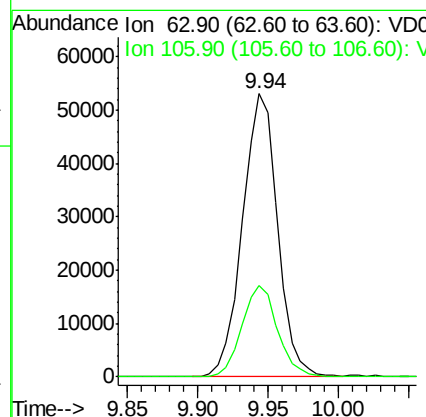
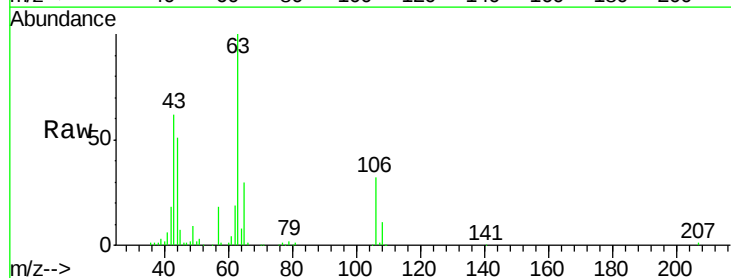
Manual Integrations
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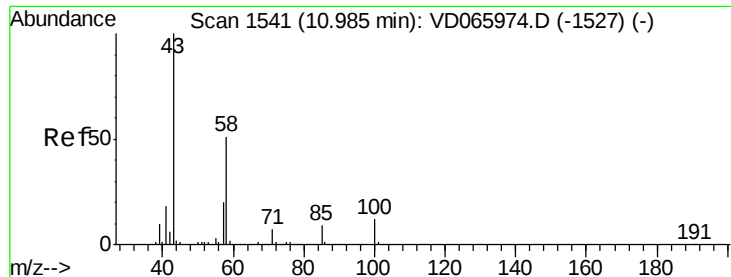
MMDadoda
 7/30/2020 6:19:40 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 117.533 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Tgt Ion: 63 Resp: 92426
 Ion Ratio Lower Upper
 63 100
 106 32.7 24.4 36.6





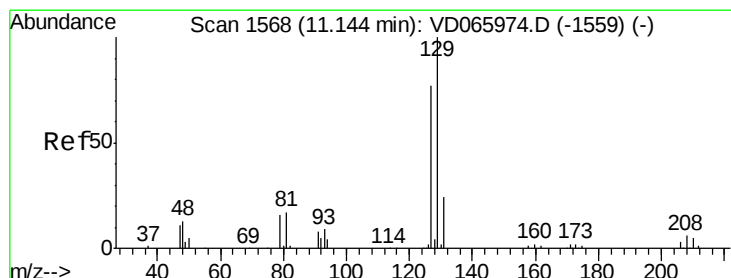
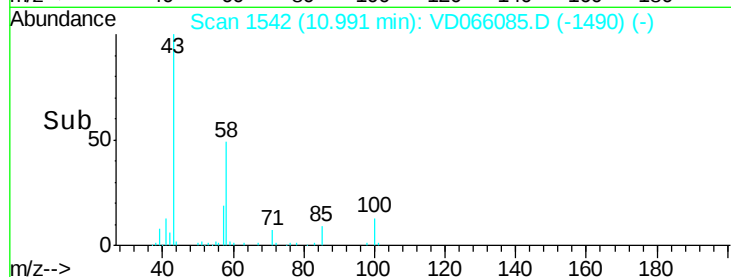
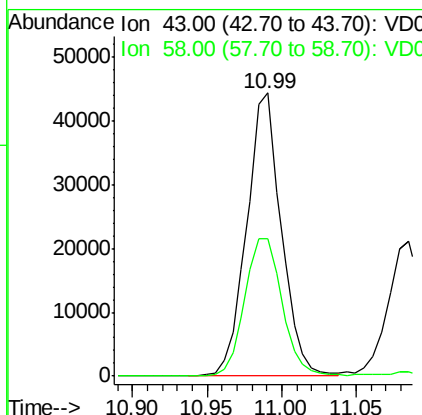
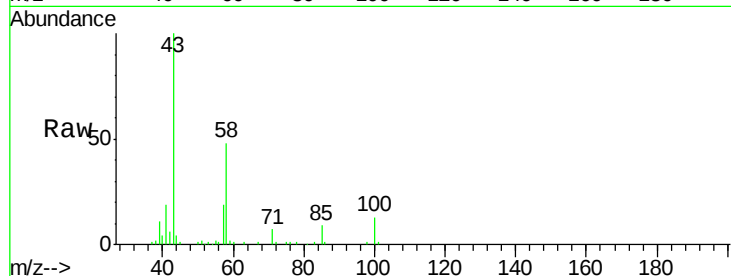
#59
2-Hexanone
Concen: 99.885 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion: 43 Resp: 71201
Ion Ratio Lower Upper
43 100
58 52.5 26.2 78.6

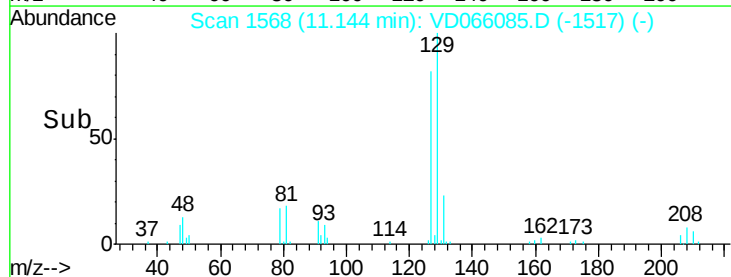
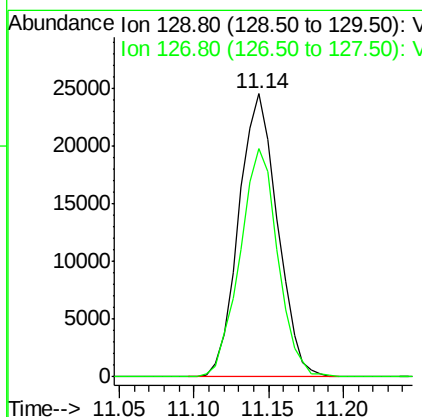
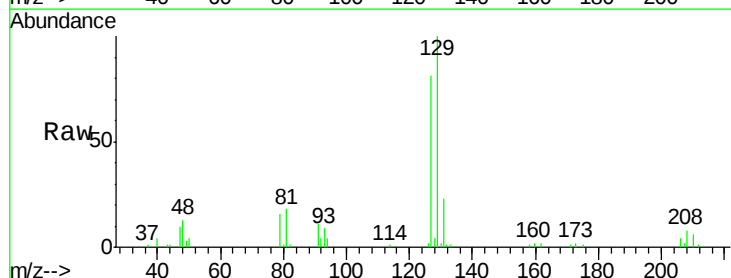
Manual Integrations
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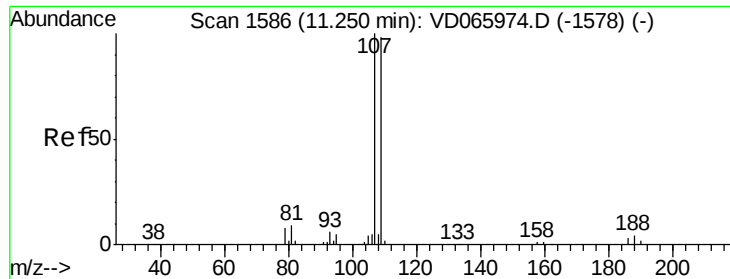
MMDadoda
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#60
Dibromochloromethane
Concen: 23.112 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion: 129 Resp: 44122
Ion Ratio Lower Upper
129 100
127 79.1 38.6 115.7





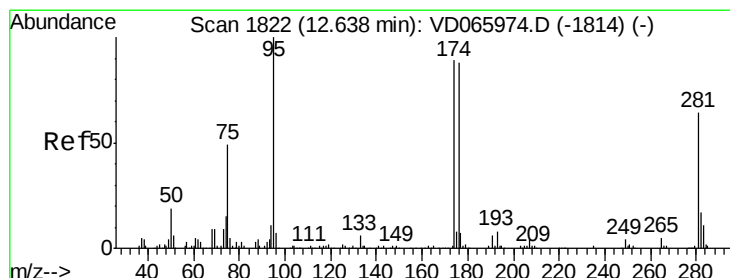
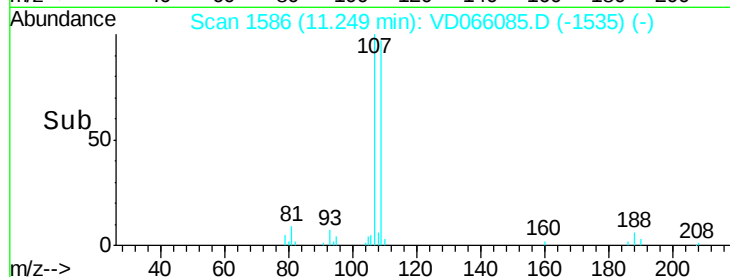
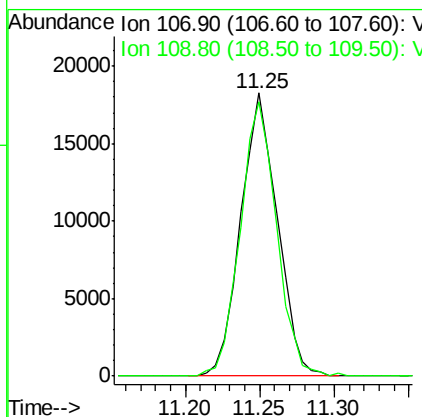
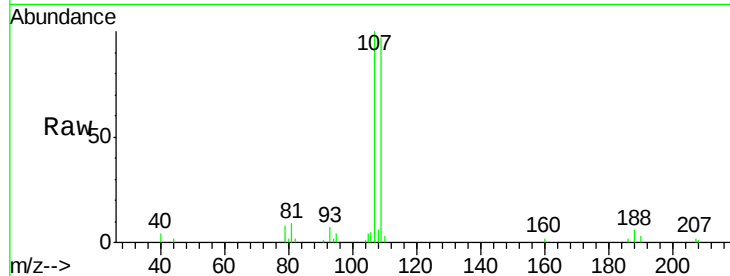
#61
 1,2-Dibromoethane
 Concen: 22.755 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion: 107 Resp: 31064
 Ion Ratio Lower Upper
 107 100
 109 96.0 75.0 112.4

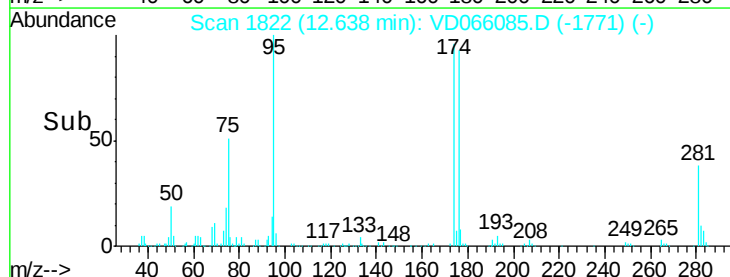
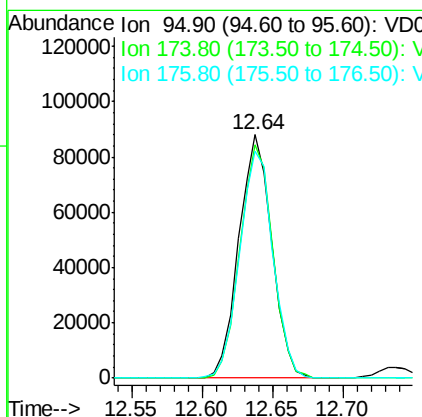
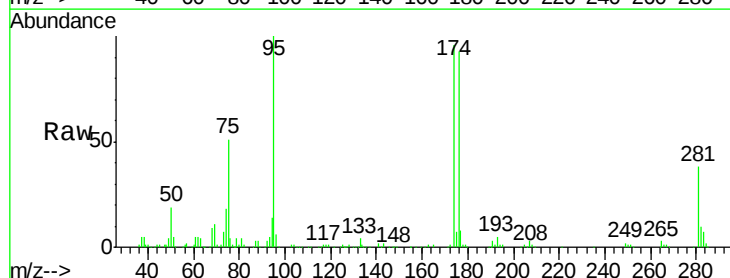
Manual Integrations
 APPROVED

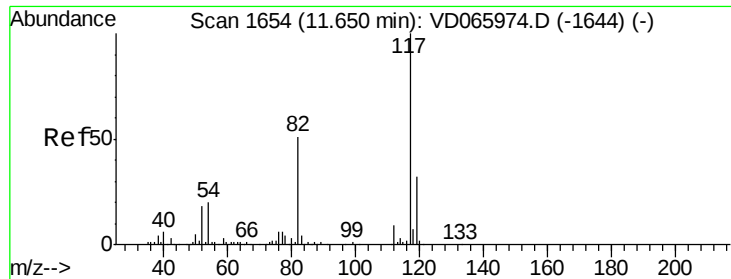
MMDadoda
 7/30/2020 6:19:40 PM



#62
 4-Bromofluorobenzene
 Concen: 57.090 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Tgt Ion: 95 Resp: 143438
 Ion Ratio Lower Upper
 95 100
 174 95.4 0.0 178.8
 176 94.8 0.0 172.6





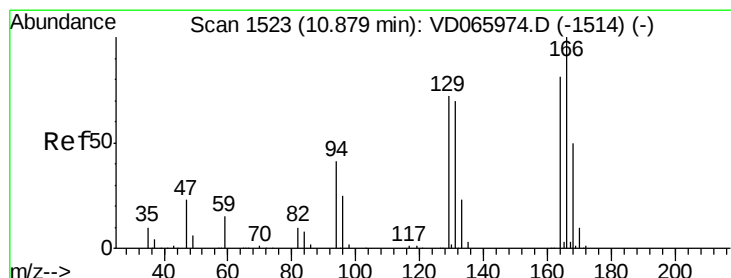
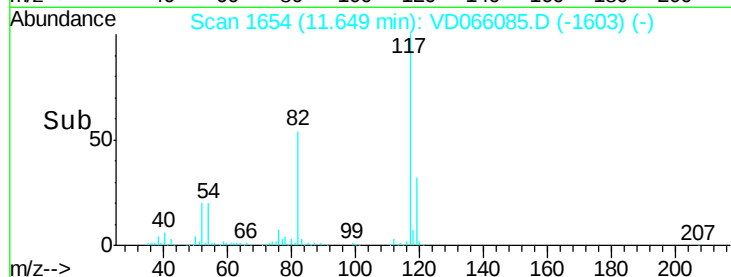
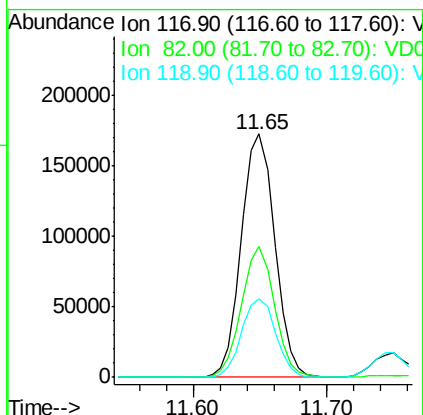
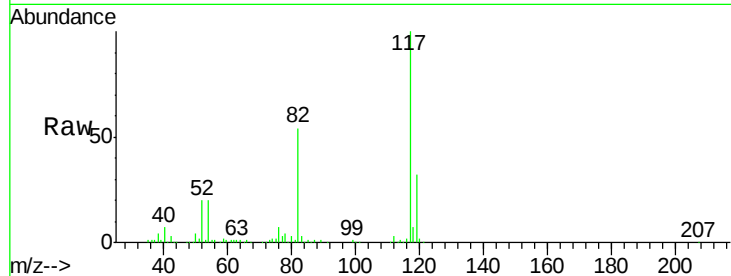
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	301393		
82	53.9		41.1	61.7
119	32.2		25.9	38.9

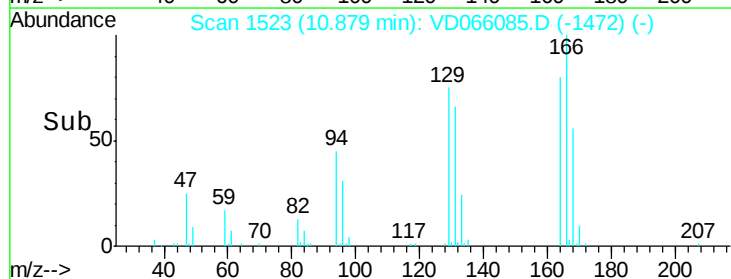
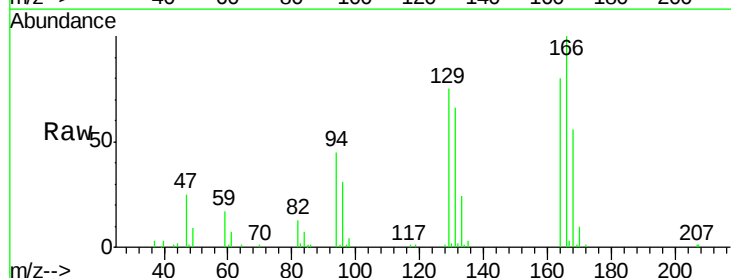
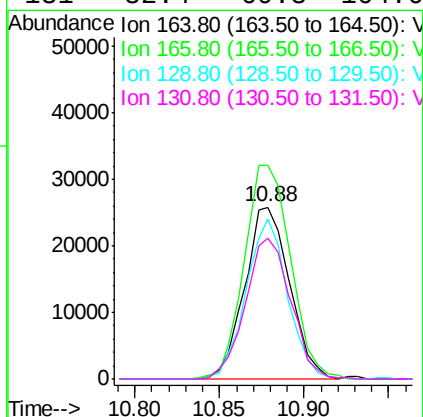
Manual Integrations
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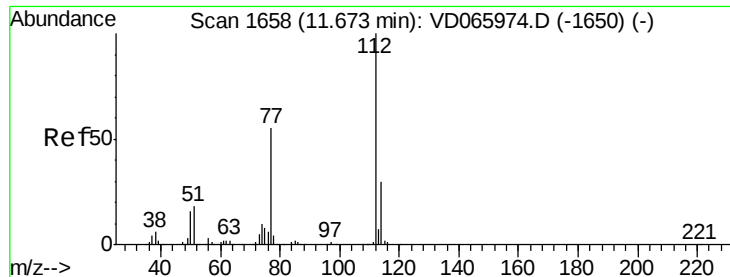
MMDadoda
7/30/2020 6:19:40 PM



#64
Tetrachloroethene
Concen: 23.281 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	47626		
166	124.5		99.1	148.7
129	93.0		71.5	107.3
131	82.4		69.8	104.6





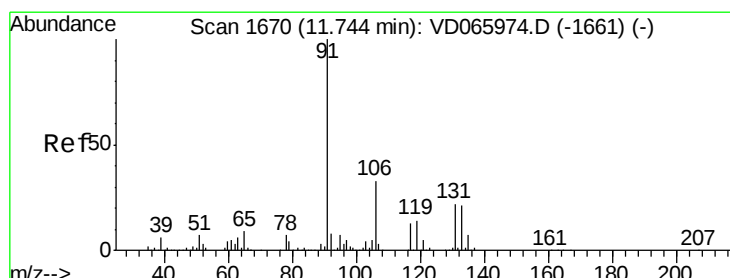
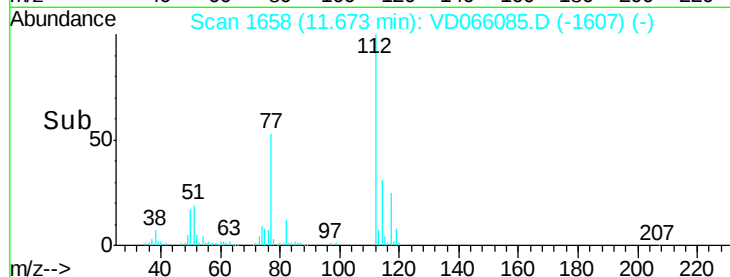
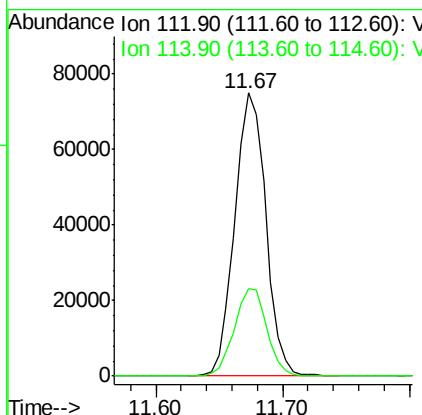
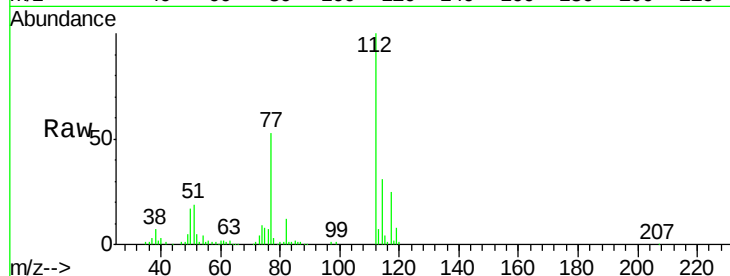
#65
Chlorobenzene
Concen: 23.127 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.4	36.6

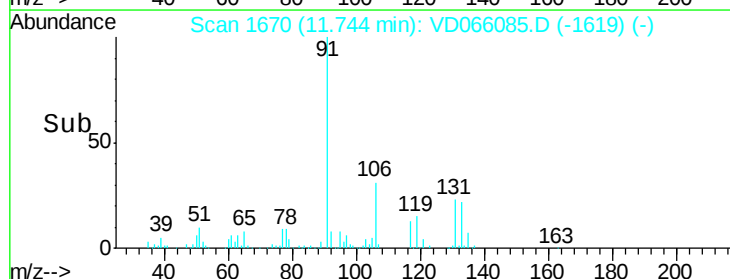
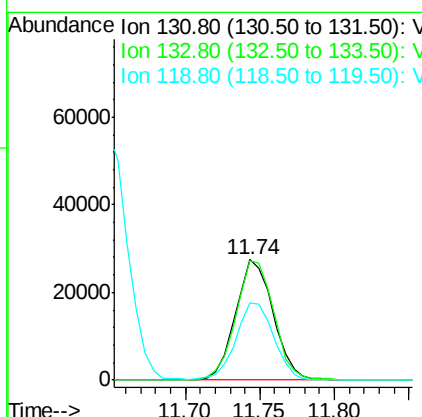
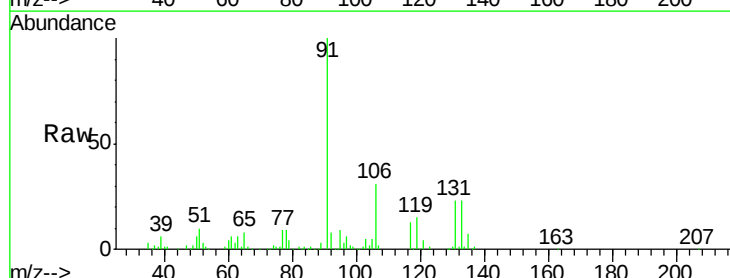
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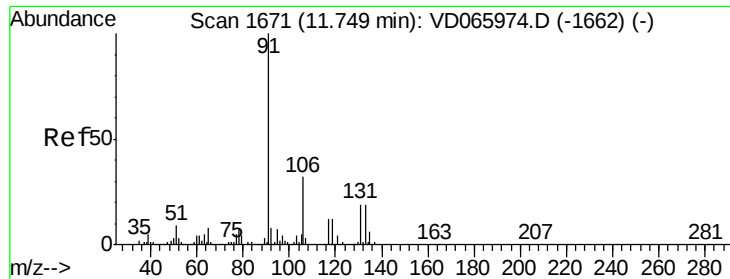
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.678 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	99.7	47.3	142.0
119	64.9	31.7	95.1





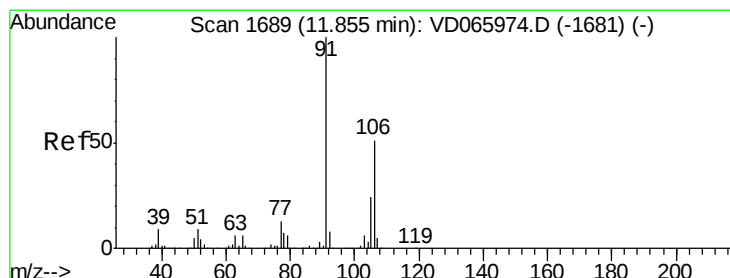
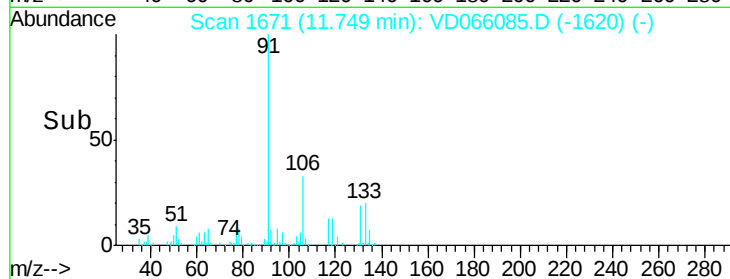
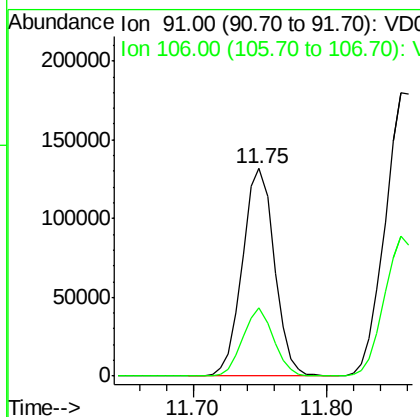
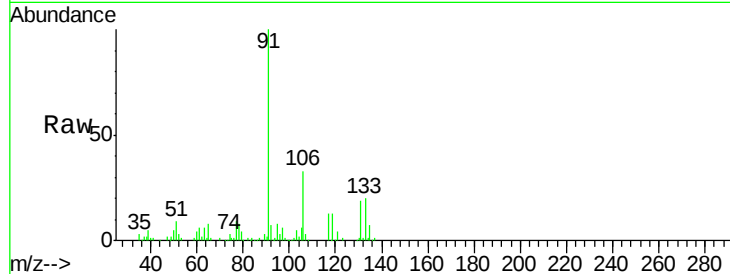
#67
Ethyl Benzene
Concen: 23.027 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion: 91 Resp: 218679
Ion Ratio Lower Upper
91 100
106 33.2 25.7 38.5

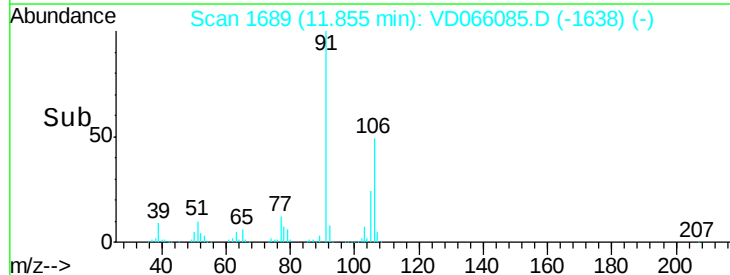
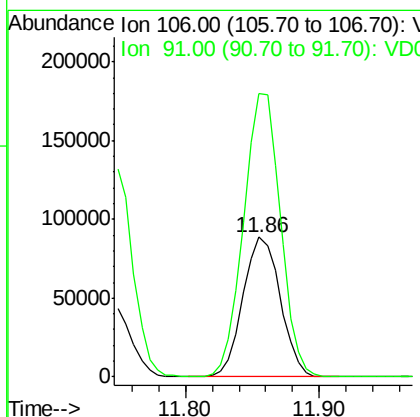
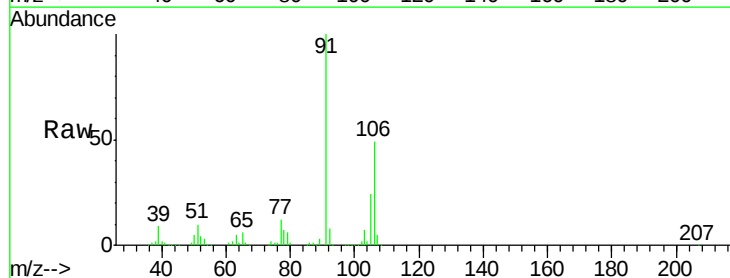
Manual Integrations
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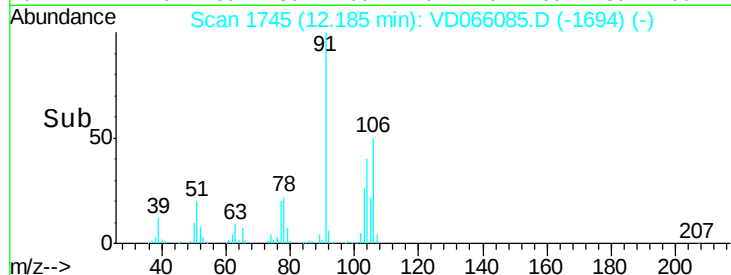
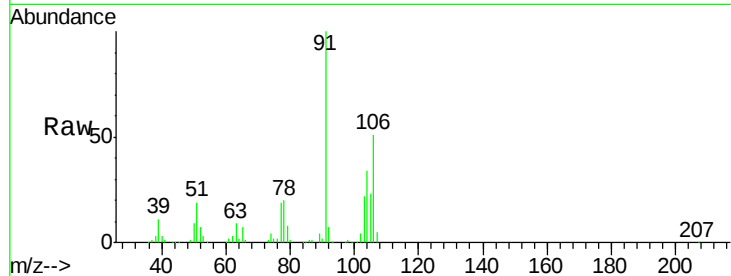
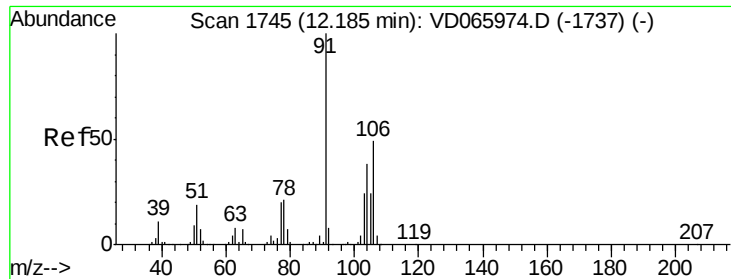
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#68
m/p-Xylenes
Concen: 47.163 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion: 106 Resp: 172150
Ion Ratio Lower Upper
106 100
91 199.5 157.0 235.6





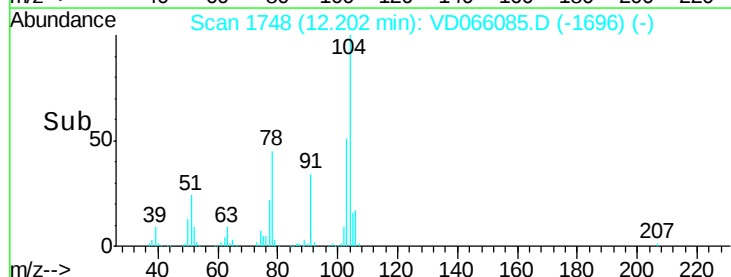
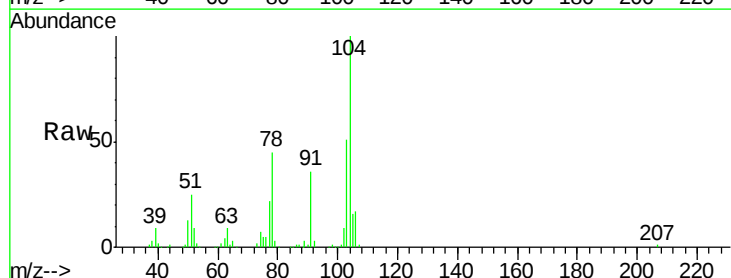
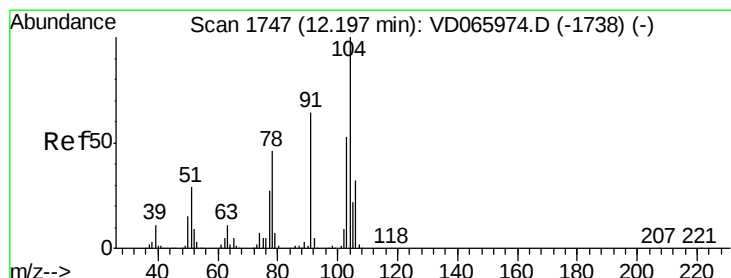
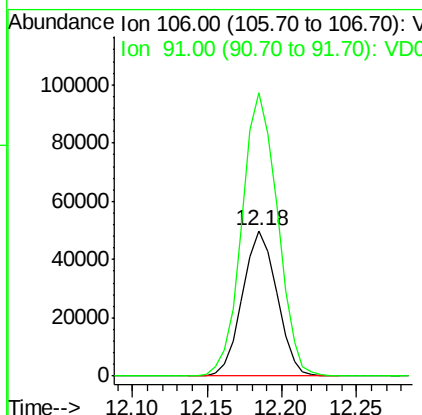
#69
o-Xylene
Concen: 24.156 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tot Ion:106 Resp: 80196
Ion Ratio Lower Upper
106 100
91 200.6 103.1 309.3

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

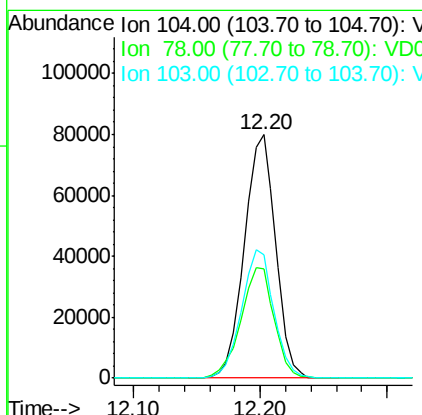
Manual Integrations
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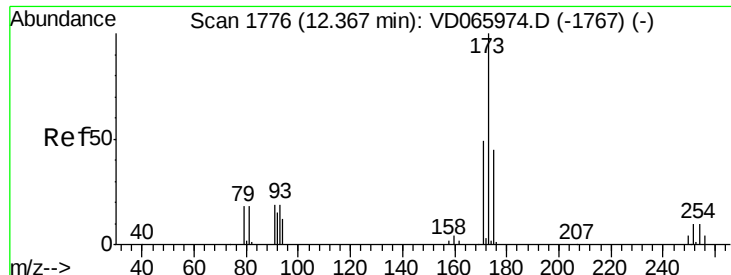
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#70
Styrene
Concen: 23.988 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion:104 Resp: 136828
Ion Ratio Lower Upper
104 100
78 48.2 38.3 57.5
103 54.3 43.8 65.8





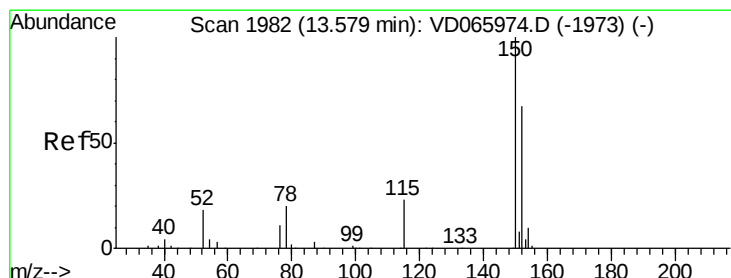
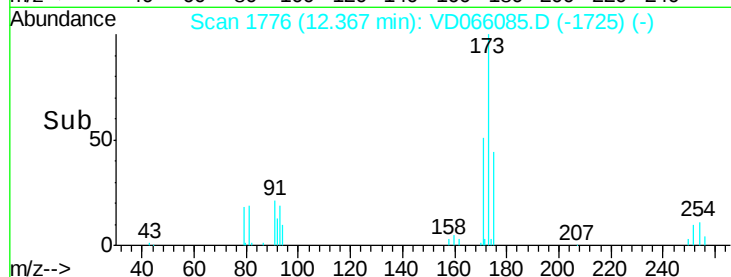
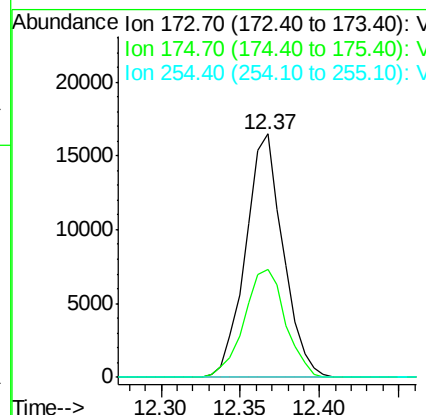
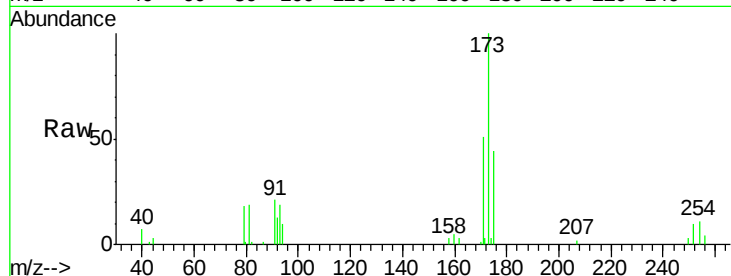
#71
Bromoform
Concen: 22.722 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.3
254	0.0	0.0	0.0

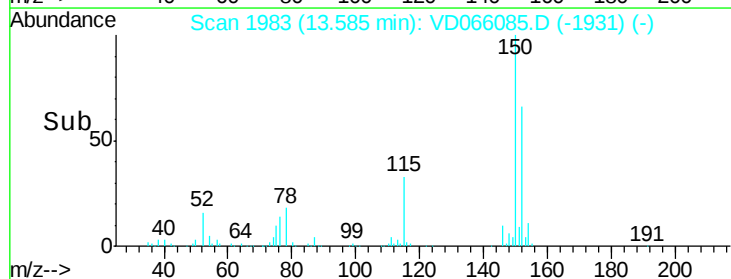
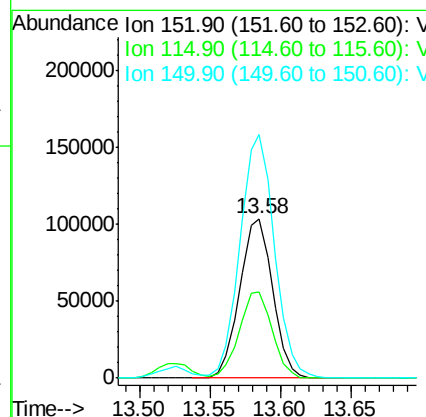
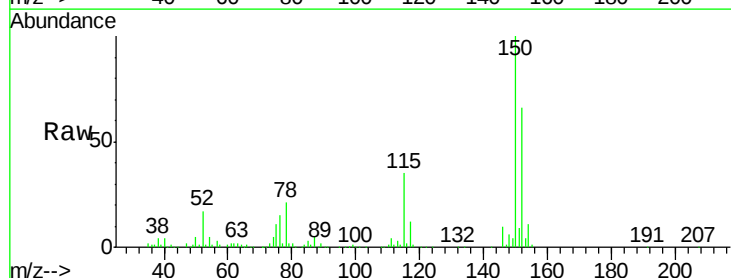
Manual Integrations
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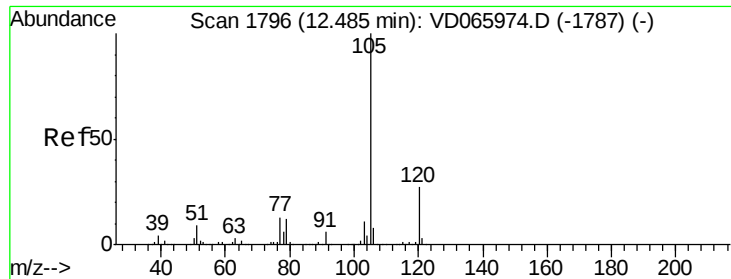
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.9	83.7
150	159.3	0.0	348.2





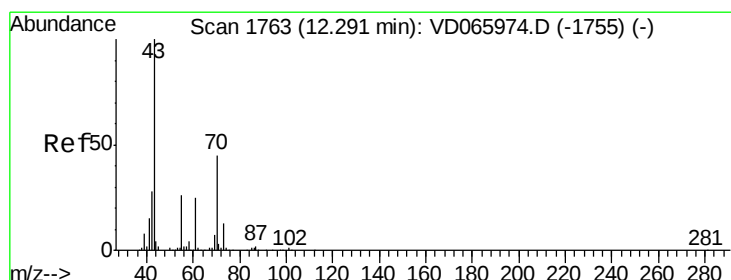
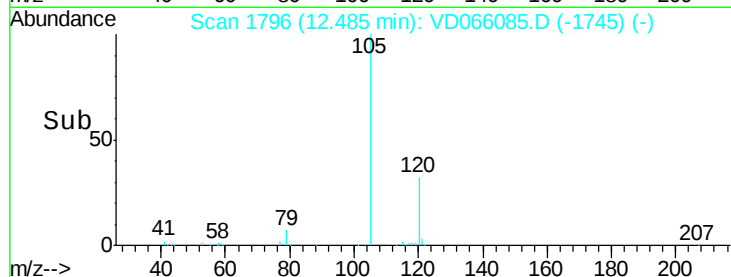
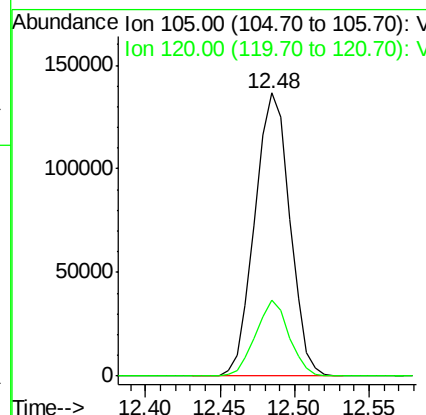
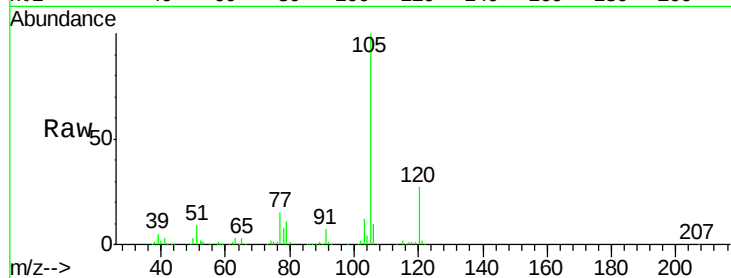
#73
Isopropylbenzene
Concen: 21.504 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.6	40.8

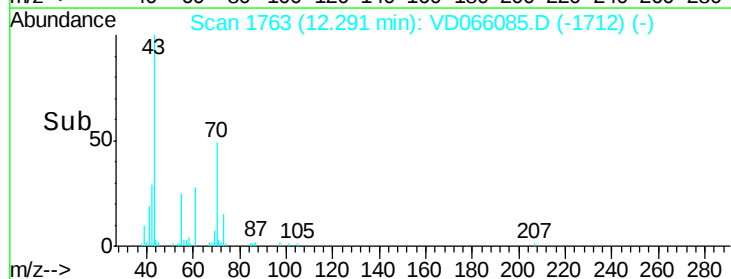
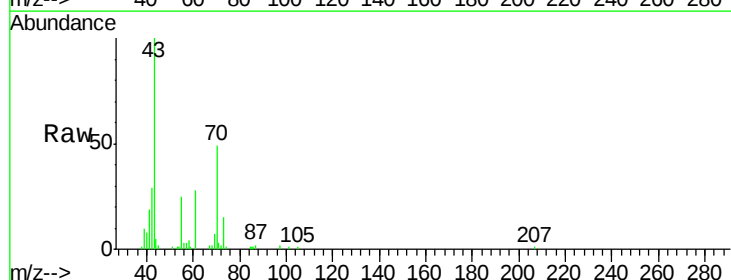
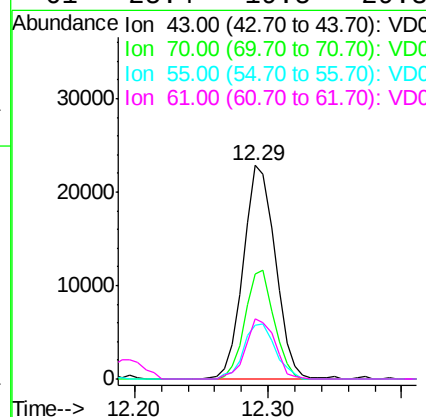
Manual Integrations
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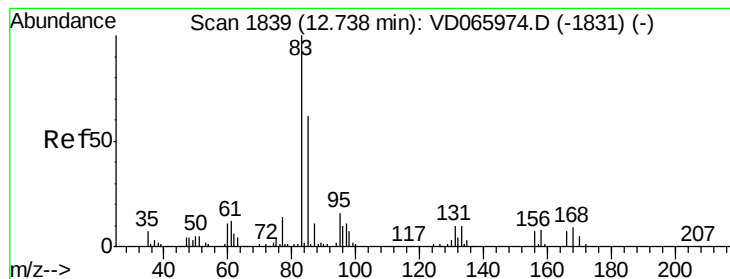
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#74
N-ethyl acetate
Concen: 17.878 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.5	34.6	51.8
55	25.4	20.3	30.5
61	25.4	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 19.199 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

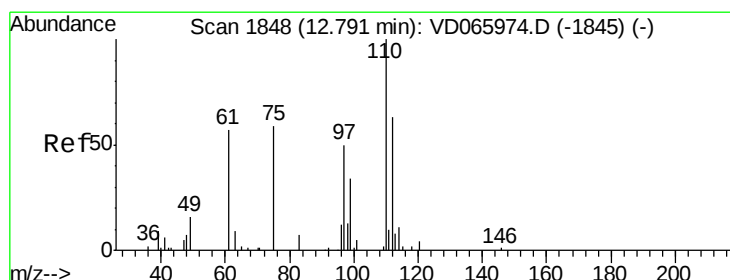
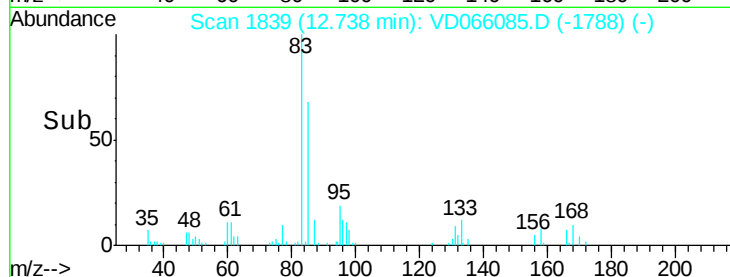
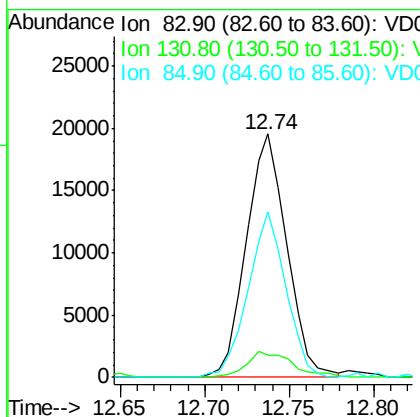
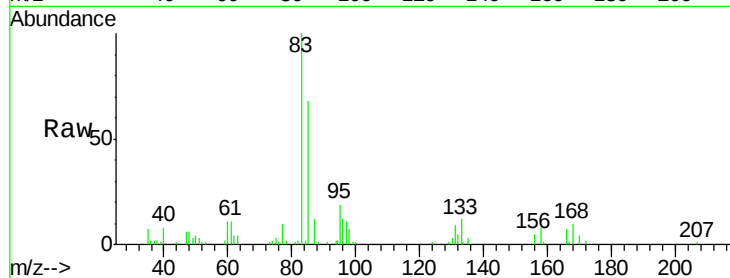
ClientSampleId :

VD0729SBS01

Tot Ion:	83	Resp:	32617
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.7	17.1
85	63.9	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.632 ug/l m

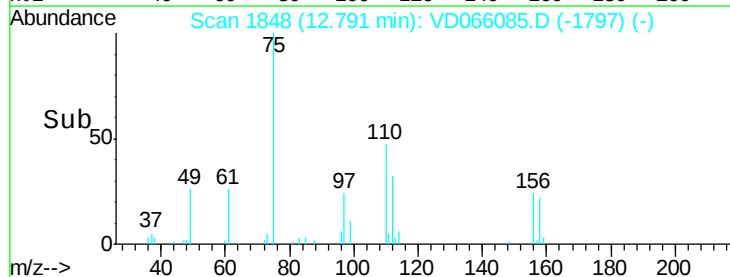
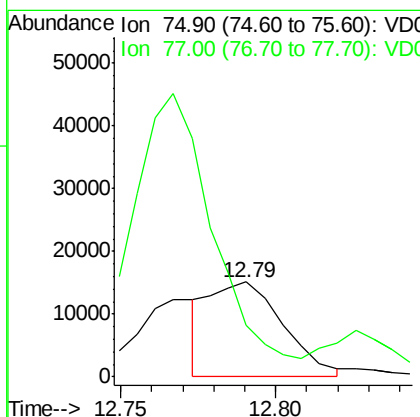
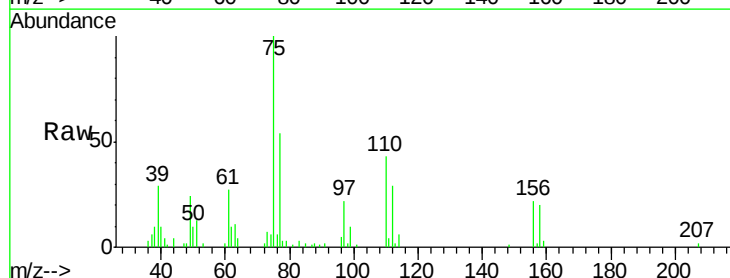
RT: 12.79 min Scan# 1848

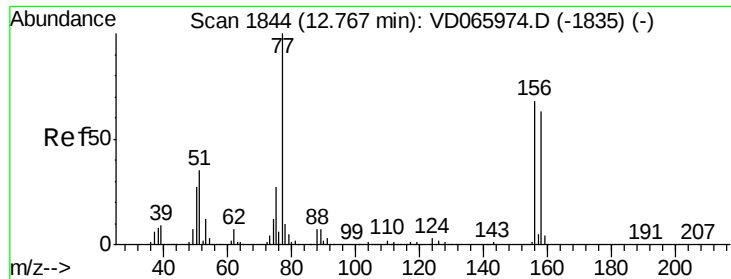
Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Tgt Ion:	75	Resp:	25112
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





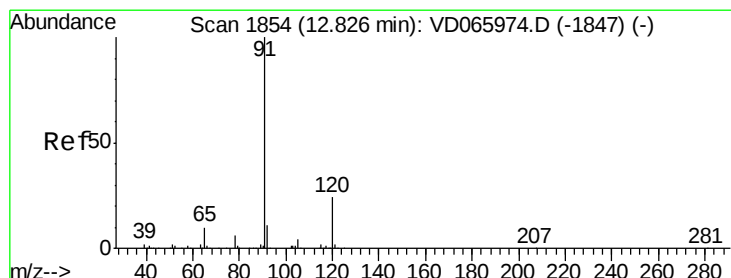
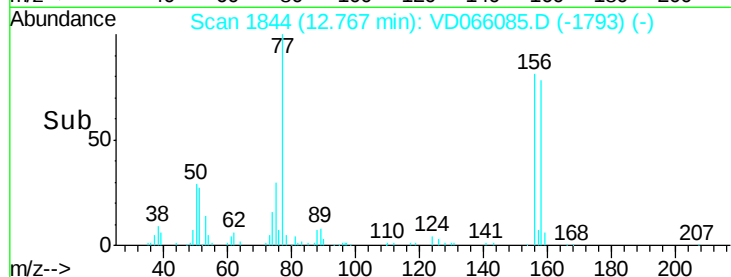
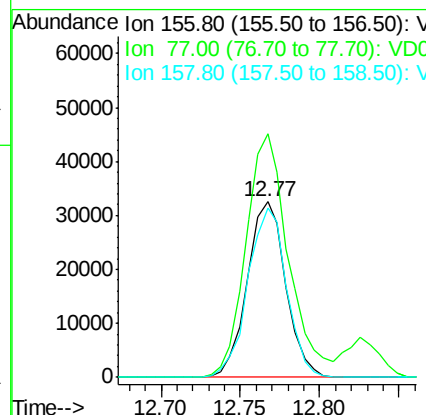
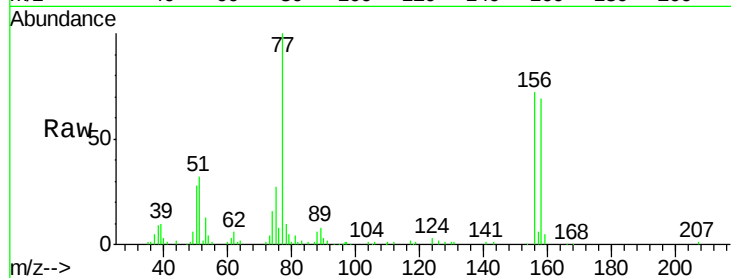
#77
Bromobenzene
Concen: 20.843 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.5	83.0	249.0
158	96.7	48.2	144.6

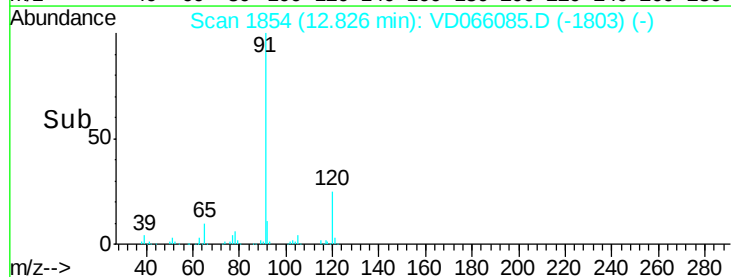
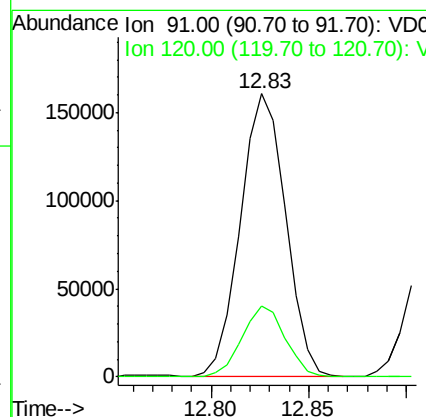
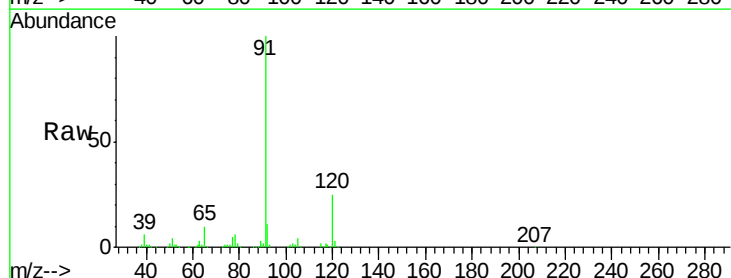
Manual Integrations
APPROVED

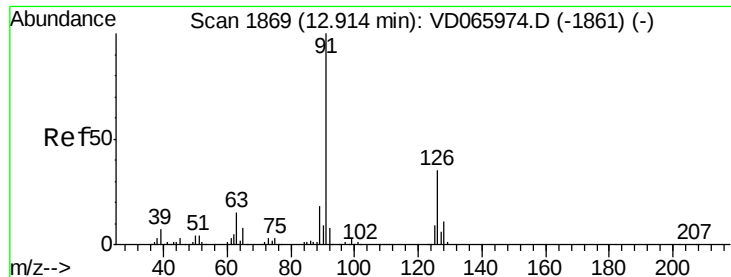
MMDadoda
7/30/2020 6:19:40 PM



#78
n-propylbenzene
Concen: 21.623 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 20.764 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

ClientSampleId :

VD0729SBS01

Tot Ion: 91 Resp: 141501

Ion Ratio Lower Upper

91 100

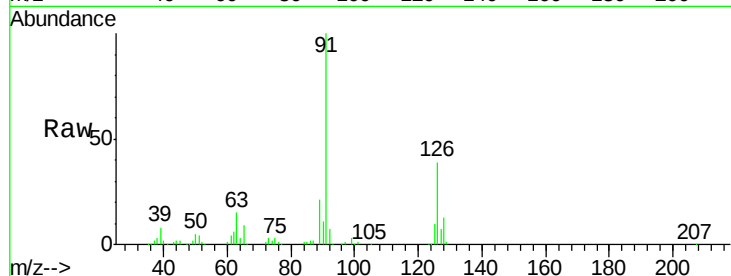
126 37.7 17.7 53.1

Manual Integrations

APPROVED

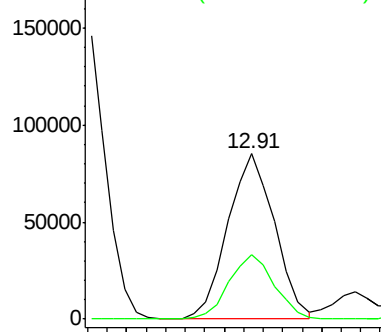
MMDadoda

7/30/2020 6:19:40 PM

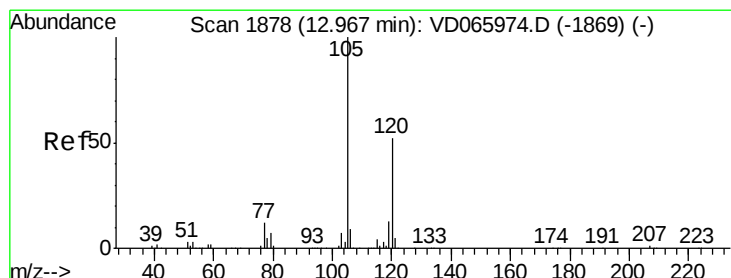
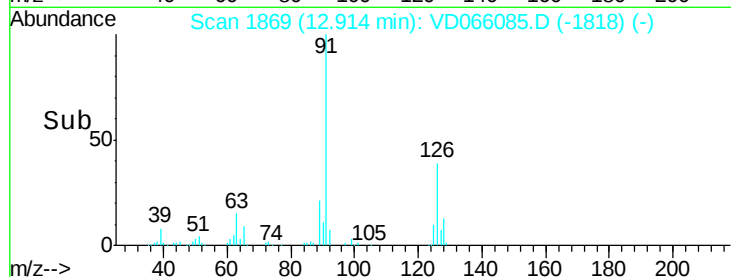


Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.329 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD066085.D

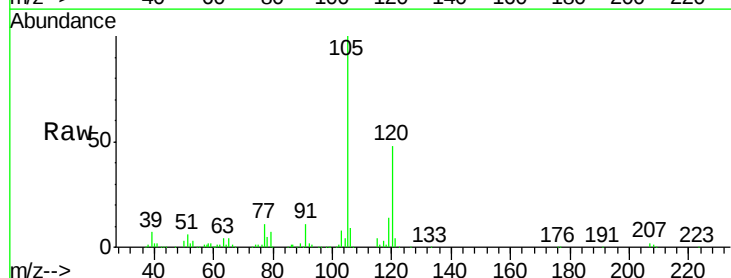
Acq: 29 Jul 2020 11:30

Tgt Ion:105 Resp: 188584

Ion Ratio Lower Upper

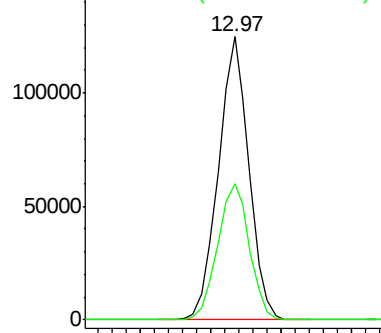
105 100

120 50.2 25.6 76.6

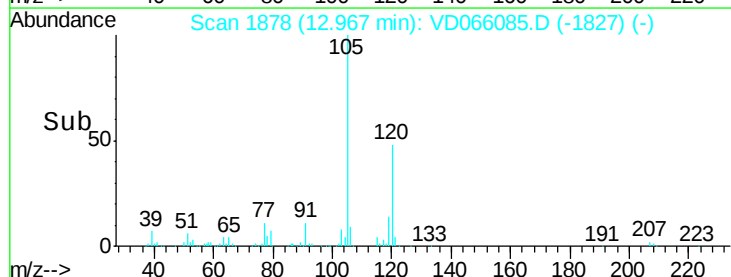


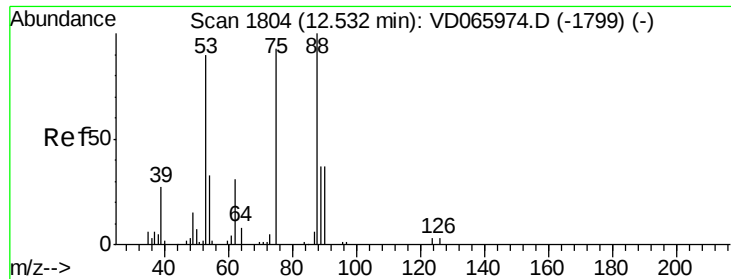
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





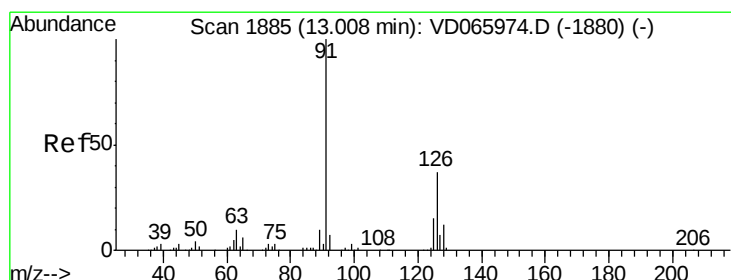
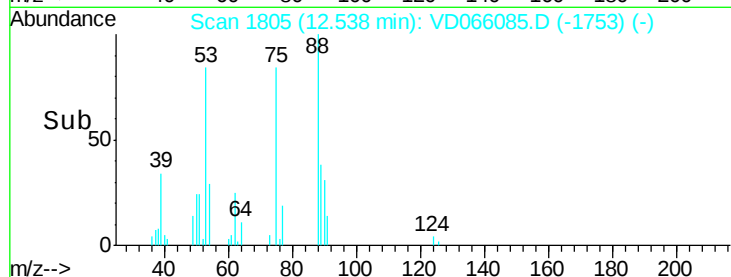
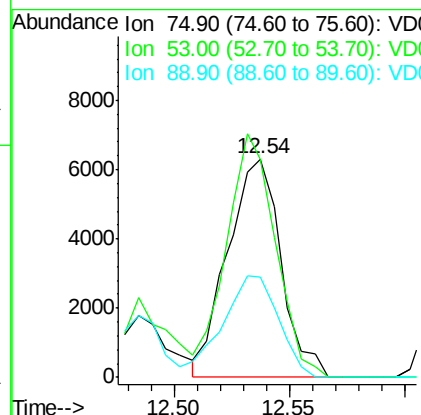
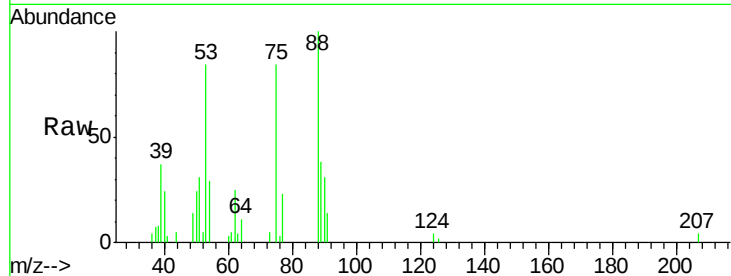
#81
trans-1,4-Dichloro-2-butene
Concen: 18.194 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.3	76.8	115.2
89	49.1	37.0	55.4

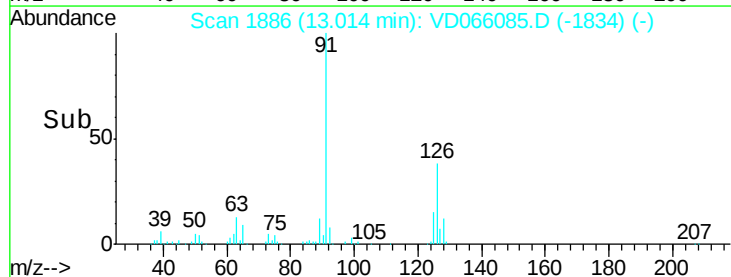
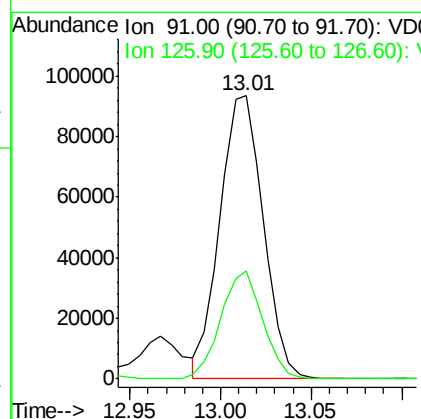
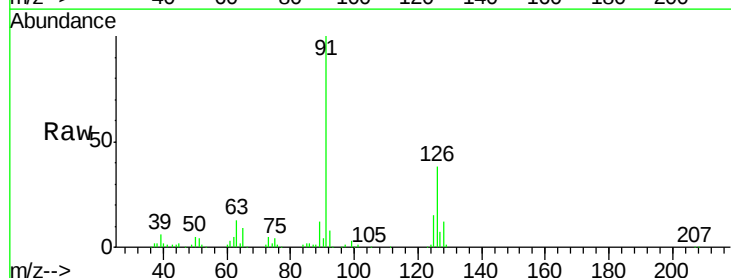
Manual Integrations
APPROVED

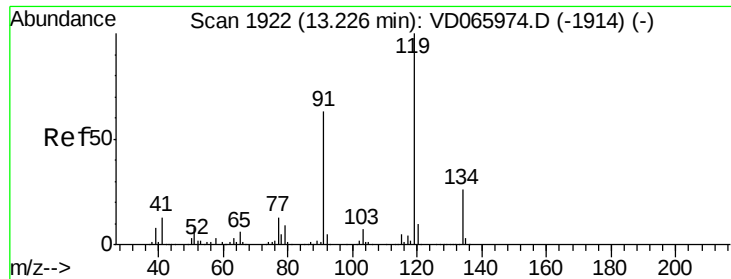
MMDadoda
7/30/2020 6:19:40 PM



#82
4-Chlorotoluene
Concen: 21.618 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.9	17.8	53.5





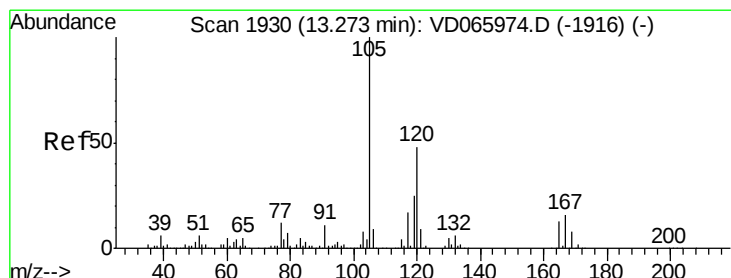
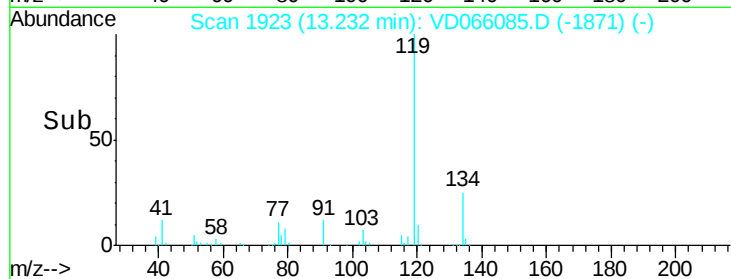
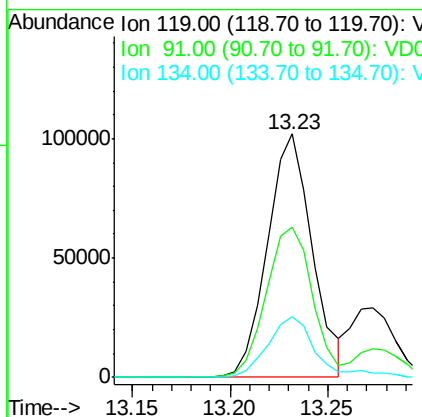
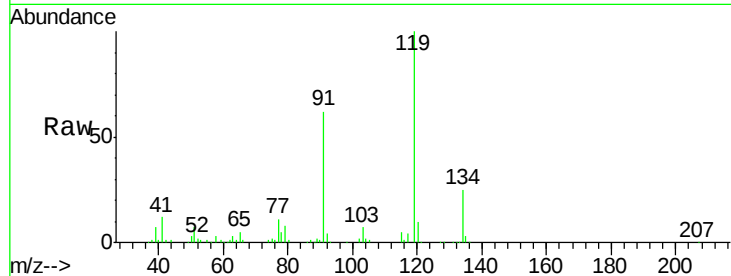
#83
tert-Butylbenzene
Concen: 21.938 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	162133		
91	63.7	30.6	91.6	
134	26.9	13.9	41.7	

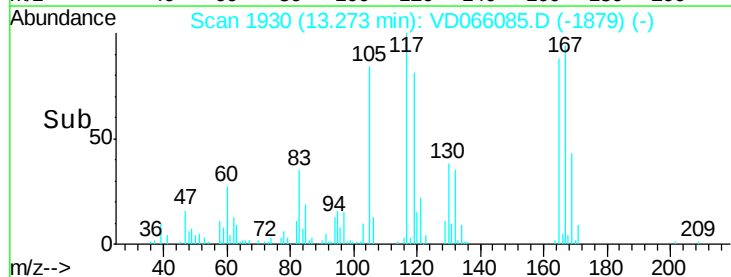
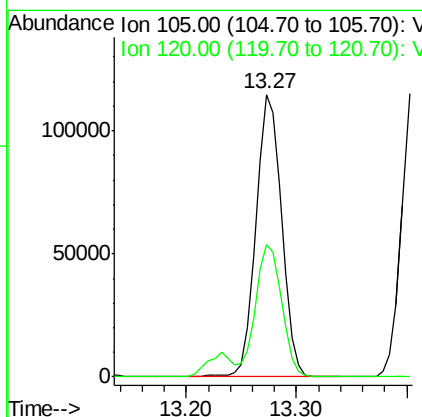
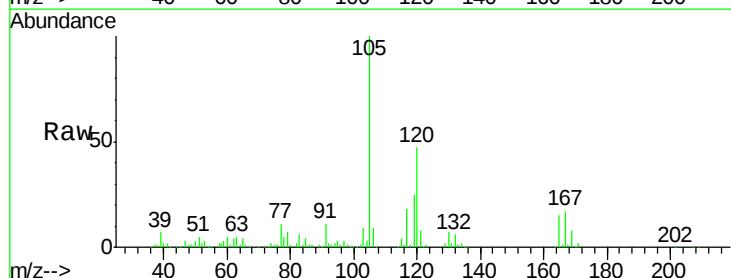
Manual Integrations
APPROVED

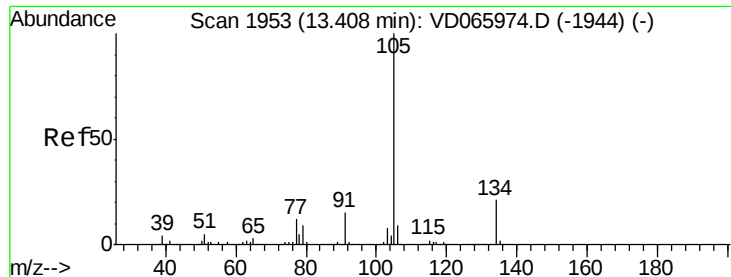
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.560 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	187978		
120	48.0	23.9	71.8	





#85

sec-Butylbenzene

Concen: 21.701 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

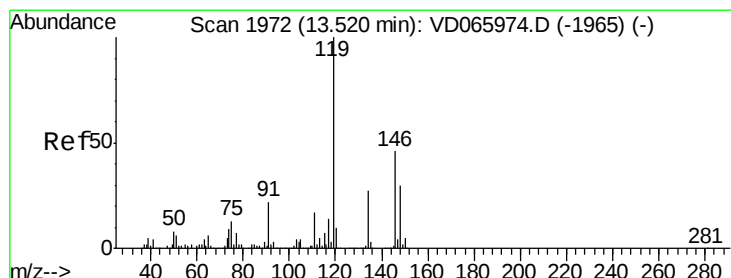
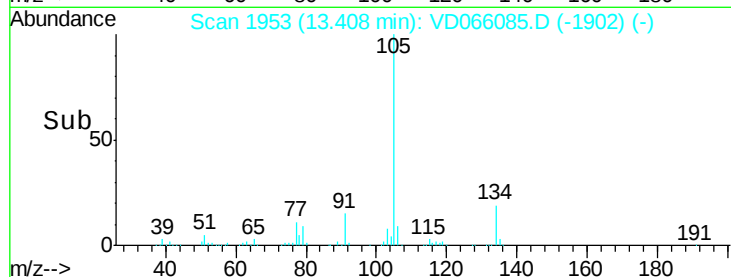
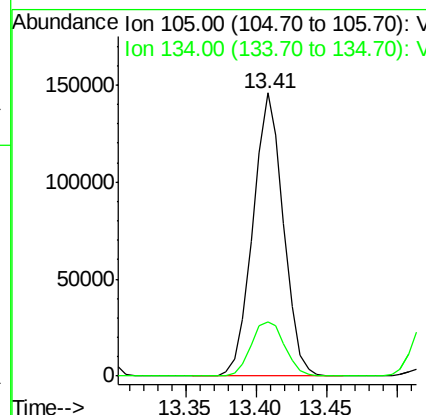
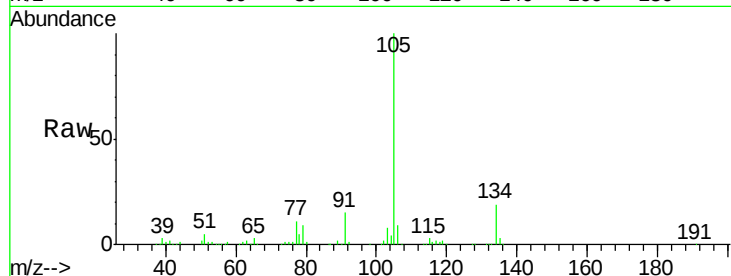
ClientSampleId :

VD0729SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.4	31.4

Manual Integrations
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7/30/2020 6:19:40 PM



#86

p-Isopropyltoluene

Concen: 22.949 ug/l

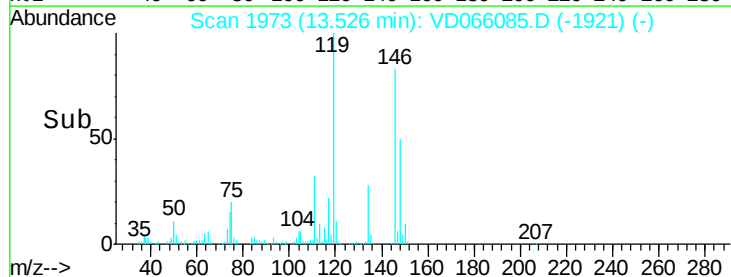
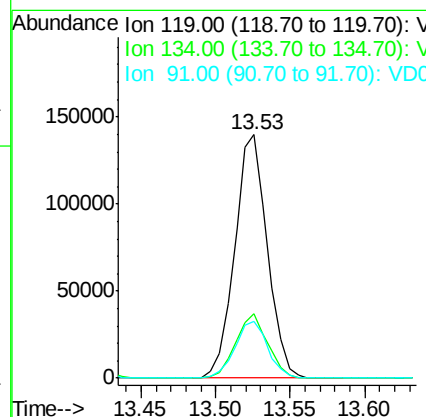
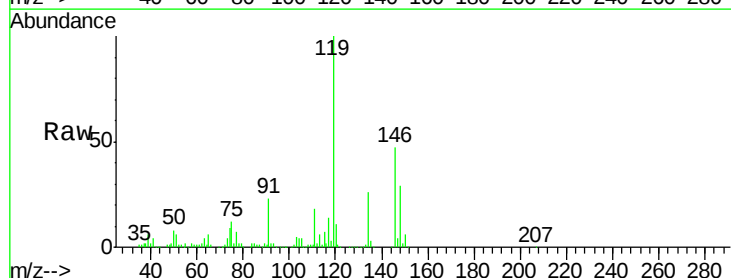
RT: 13.53 min Scan# 1973

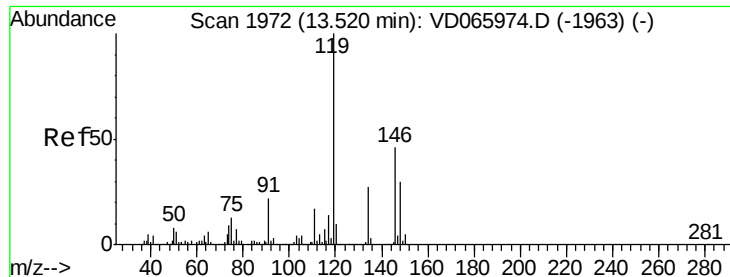
Delta R.T. 0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.4	40.2
91	23.6	11.1	33.3





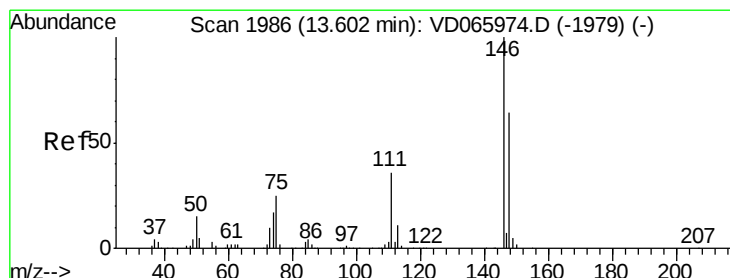
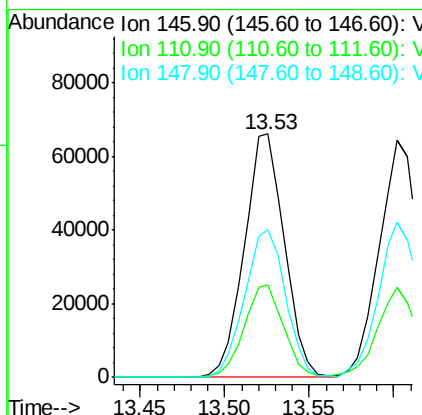
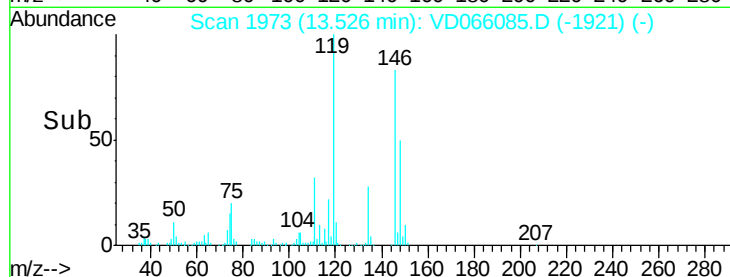
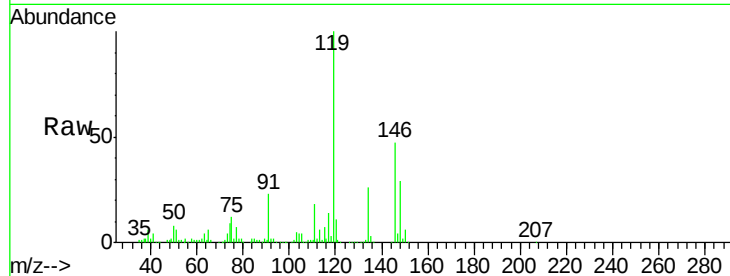
#87
 1,3-Dichlorobenzene
 Concen: 22.391 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	109215		
111	37.3	18.6	55.6	
148	62.2	32.4	97.0	

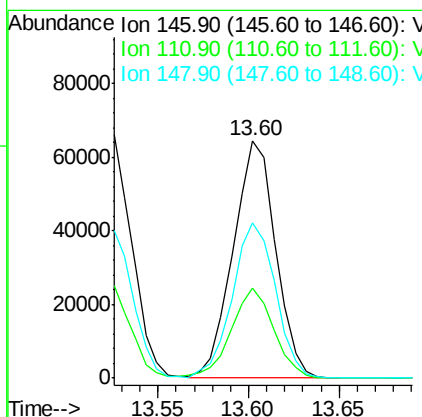
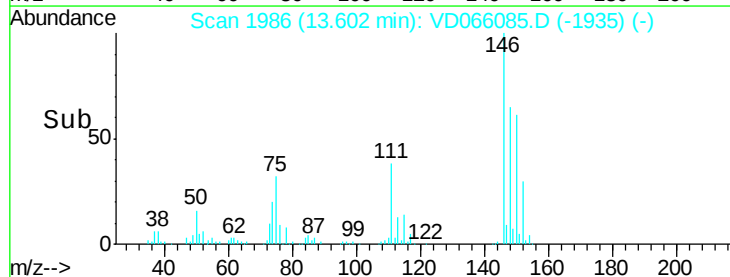
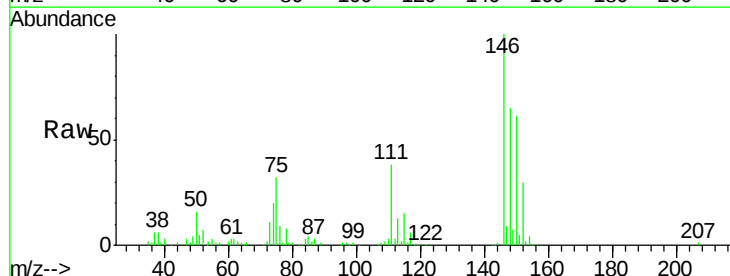
Manual Integrations
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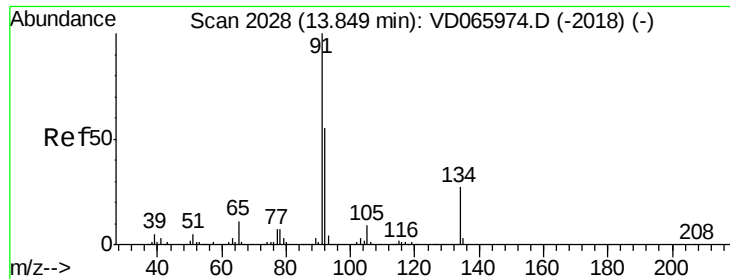
MMDadoda
 7/30/2020 6:19:40 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.341 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	105229		
111	37.9	18.8	56.4	
148	66.4	32.2	96.6	





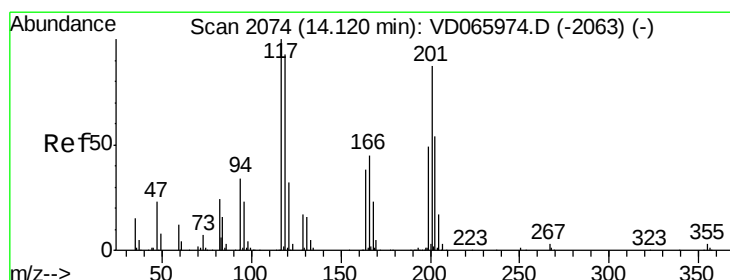
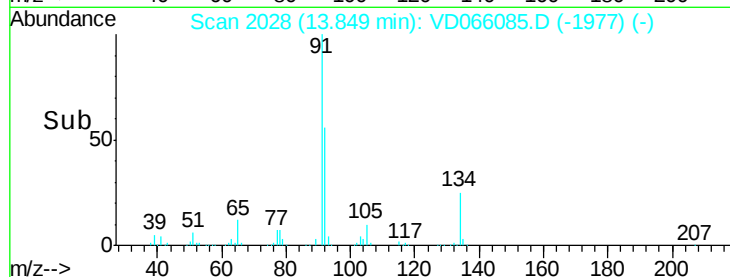
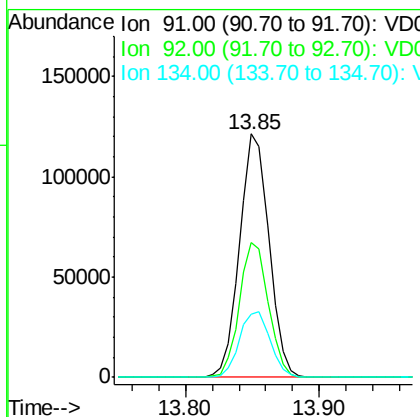
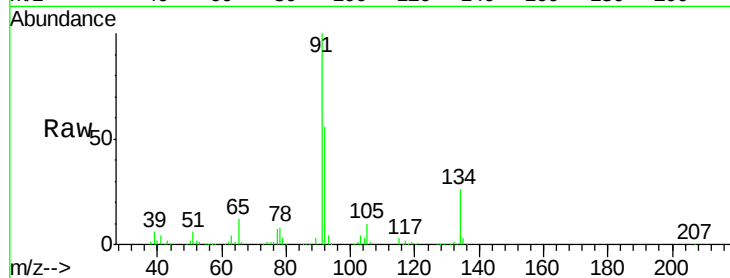
#89
n-Butylbenzene
Concen: 21.526 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Instrument :
MSVOA_D
ClientSampleId :
VD0729SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.2	81.6
134	28.0	13.8	41.4

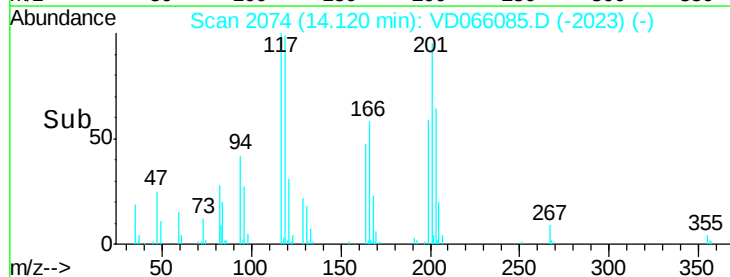
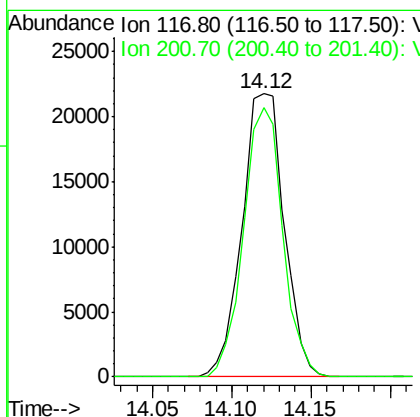
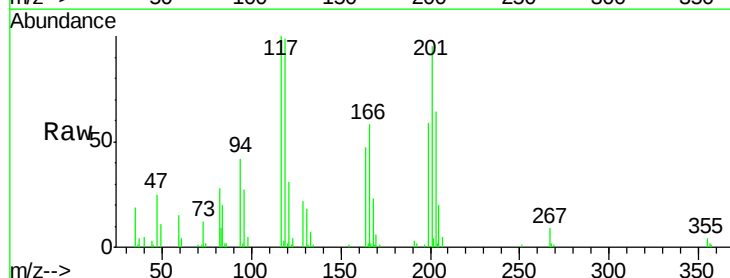
Manual Integrations
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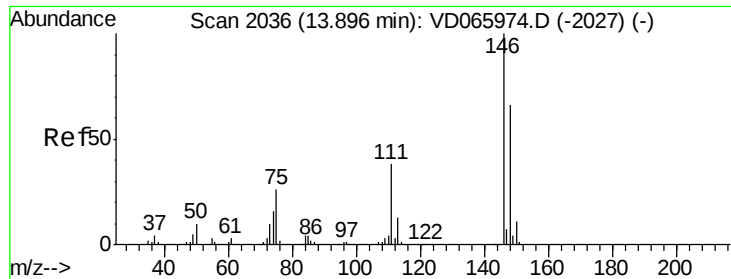
MMDadoda
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#90
Hexachloroethane
Concen: 21.036 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD066085.D
Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	42.0	126.1





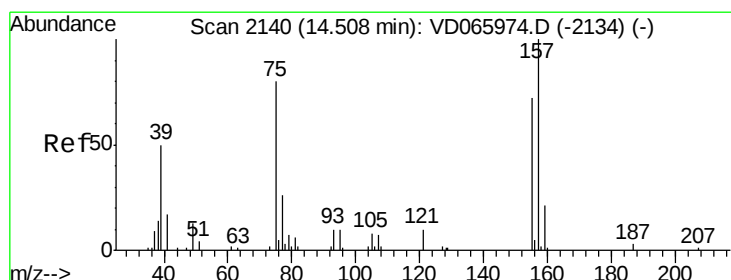
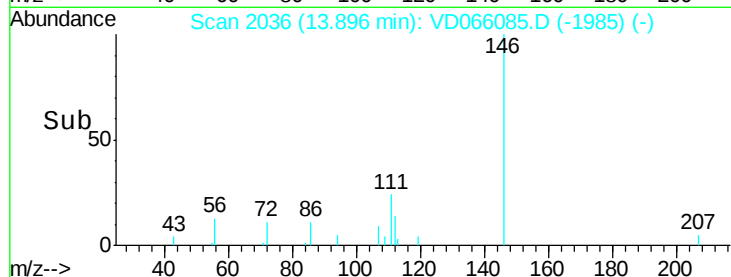
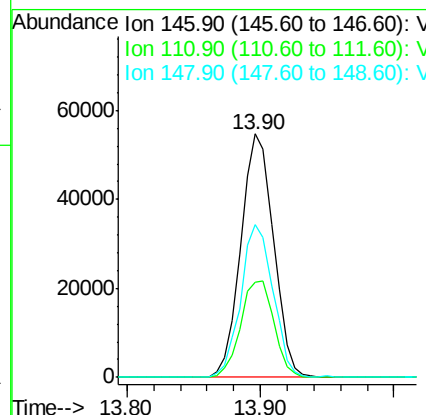
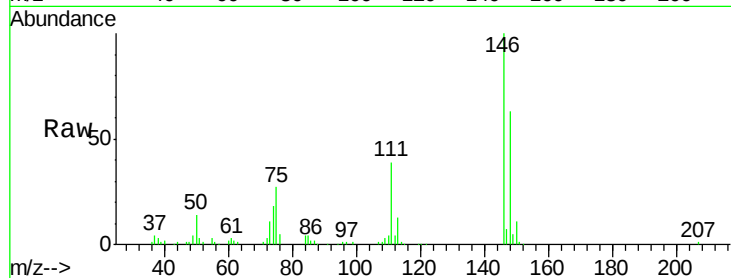
#91
 1,2-Dichlorobenzene
 Concen: 21.892 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	19.3	57.9
148	62.0	32.7	98.1

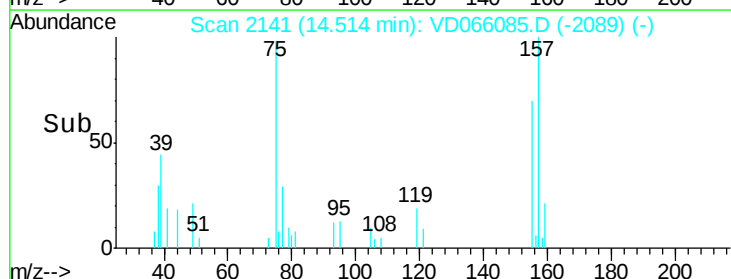
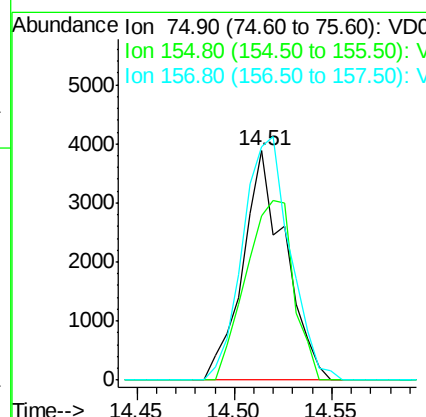
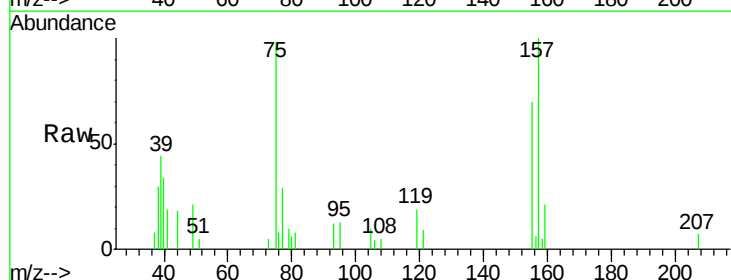
Manual Integrations
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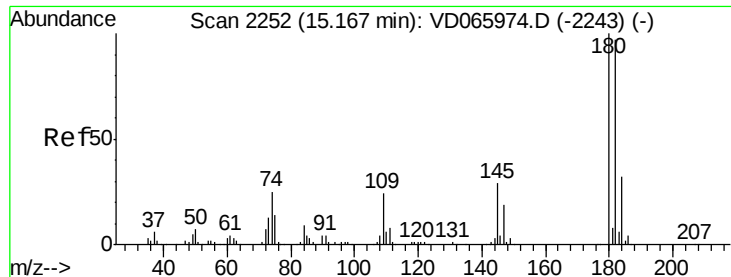
MMDadoda
 7/30/2020 6:19:40 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.997 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	48.5	145.5
157	118.4	64.7	194.1





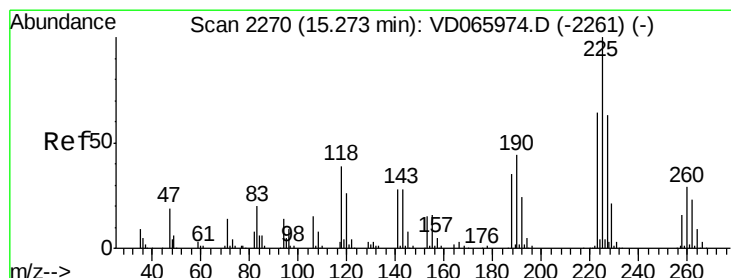
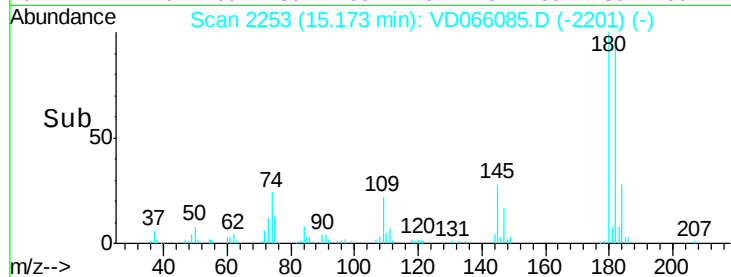
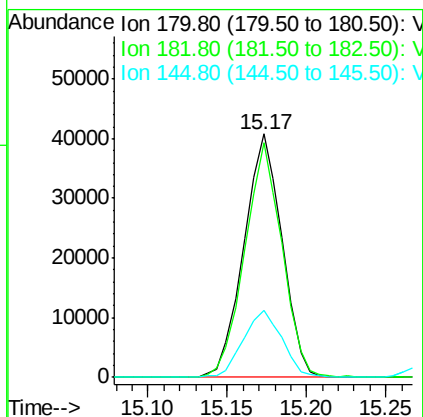
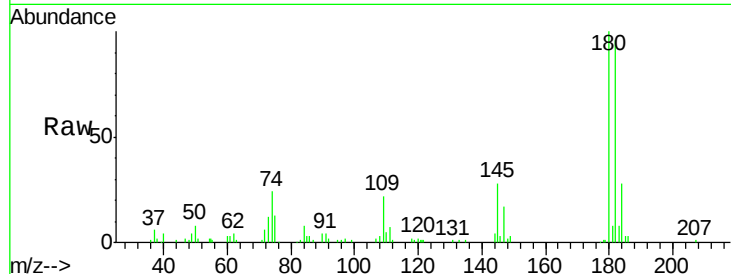
#93
 1,2,4-Trichlorobenzene
 Concen: 22.502 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0729SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.1	144.3
145	28.1	14.7	44.1

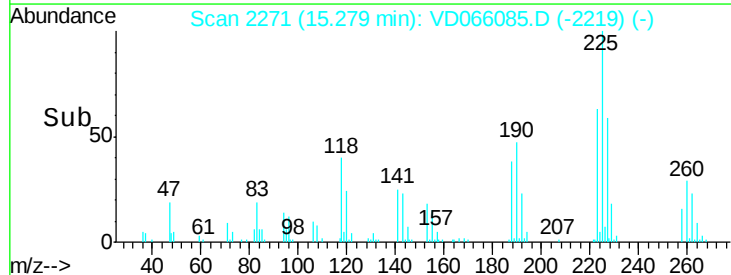
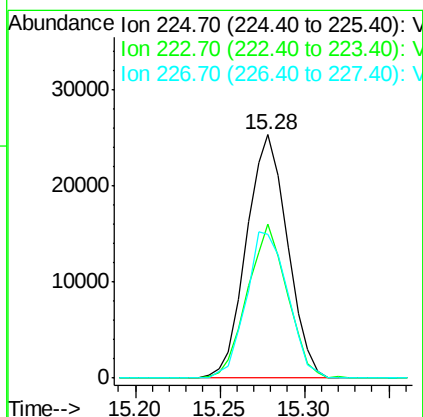
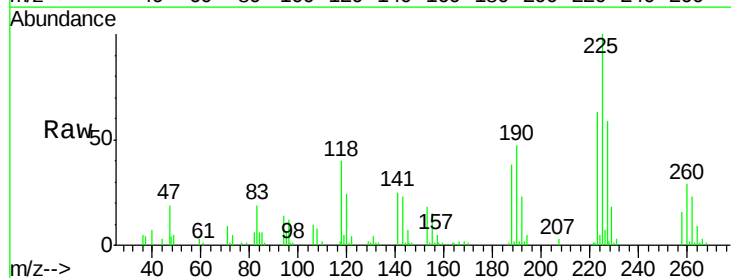
Manual Integrations
 APPROVED

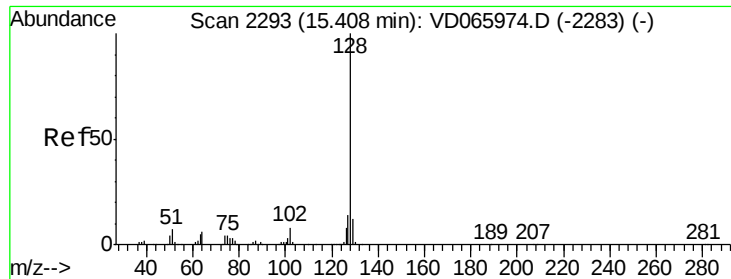
MMDadoda
 7/30/2020 6:19:40 PM



#94
 Hexachlorobutadiene
 Concen: 22.843 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066085.D
 Acq: 29 Jul 2020 11:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.2	93.6
227	61.3	31.6	94.8





#95

Naphthalene

Concen: 20.900 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Instrument :

MSVOA_D

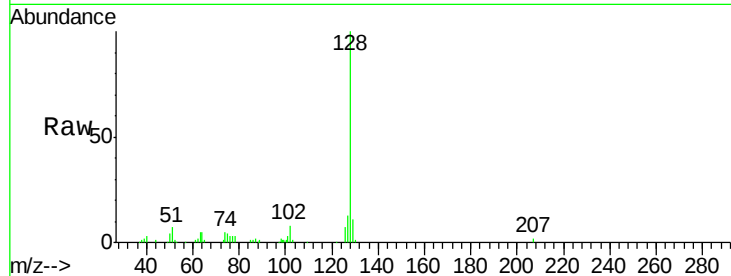
ClientSampleId :

VD0729SBS01

Tot Ion:	128	Resp:	100768
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.8	16.2
129	10.4	8.9	13.3

Manual Integrations
APPROVED

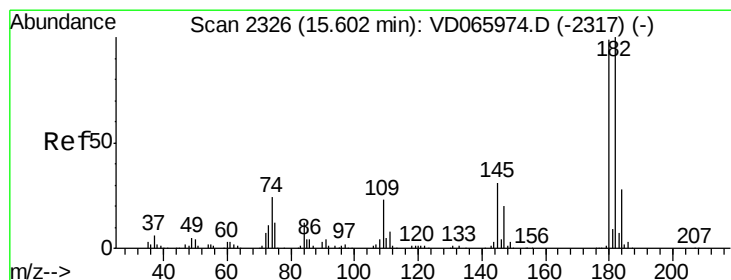
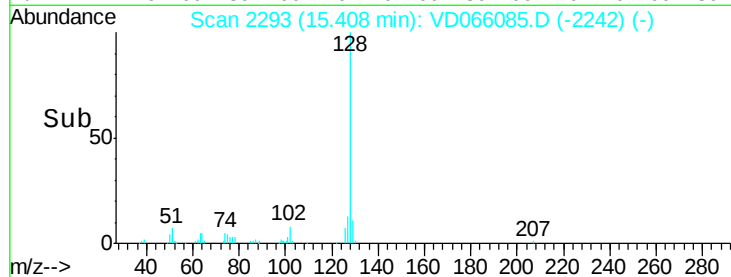
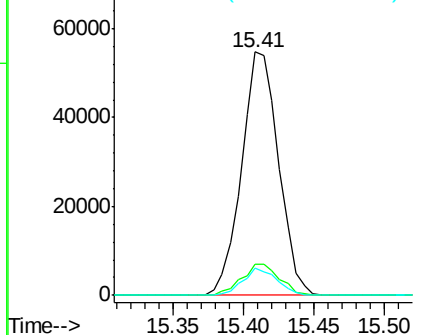
MMDadoda
7/30/2020 6:19:40 PM



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: 21.368 ug/l

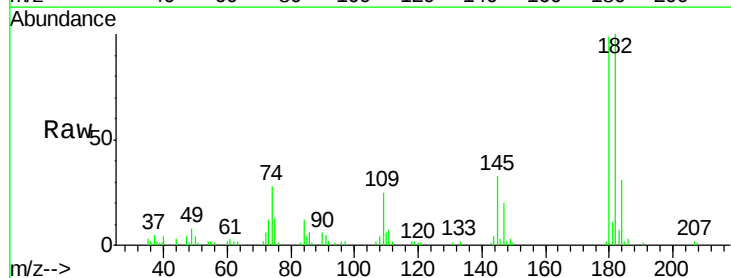
RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD066085.D

Acq: 29 Jul 2020 11:30

Tgt Ion:	180	Resp:	56355
Ion Ratio	Lower	Upper	
180	100		
182	98.1	47.9	143.6
145	32.8	15.4	46.2



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

