

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072120\
 Data File : VD065985.D
 Acq On : 21 Jul 2020 17:34
 Operator : VA/SY
 Sample : VD0721SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Manual Integrations
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 7/22/2020 2:44:34 PM

Quant Time: Jul 22 01:47:29 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	7.99	168	343978	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	515033	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	482995	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244242	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	151759	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	7.91	113	160758	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
50) Toluene-d8	10.34	98	618475	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
62) 4-Bromofluorobenzene	12.64	95	214087	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	62206	23.830	ug/l	97
3) Chloromethane	2.20	50	47988	22.526	ug/l	98
4) Vinyl Chloride	2.35	62	44730	22.049	ug/l	94
5) Bromomethane	2.76	94	30900	18.497	ug/l	92
6) Chloroethane	2.92	64	26215	21.647	ug/l #	88
7) Trichlorofluoromethane	3.27	101	107336	21.752	ug/l	98
8) Diethyl Ether	3.70	74	31550	23.132	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	67014	22.492	ug/l	100
10) Methyl Iodide	4.30	142	60605	25.400	ug/l	98
11) Tert butyl alcohol	5.22	59	20289	98.815	ug/l	100
12) 1,1-Dichloroethene	4.07	96	61423	21.597	ug/l	93
13) Acrolein	3.93	56	23556	99.892	ug/l	94
14) Allyl chloride	4.72	41	98587	22.176	ug/l	99
15) Acrylonitrile	5.42	53	67827	116.401	ug/l	99
16) Acetone	4.16	43	55293	97.598	ug/l	91
17) Carbon Disulfide	4.41	76	201698	21.864	ug/l	100
18) Methyl Acetate	4.72	43	29706	22.540	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	138078	23.630	ug/l	97
20) Methylene Chloride	4.97	84	81884	24.635	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	71718	22.312	ug/l	96
22) Diisopropyl ether	6.36	45	201585	23.867	ug/l	98
23) Vinyl Acetate	6.31	43	567080	119.051	ug/l	99
24) 1,1-Dichloroethane	6.27	63	117781	23.015	ug/l	99
25) 2-Butanone	7.21	43	82833	110.187	ug/l	97
26) 2,2-Dichloropropane	7.21	77	99617	21.646	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	79406	23.332	ug/l	97
28) Bromochloromethane	7.55	49	48386	22.277	ug/l	98
29) Tetrahydrofuran	7.57	42	55146	118.892	ug/l	99
30) Chloroform	7.71	83	123579	23.085	ug/l	94
31) Cyclohexane	7.99	56	109890	21.826	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	111118	22.440	ug/l	98
36) 1,1-Dichloropropene	8.11	75	95828	21.801	ug/l	98
37) Ethyl Acetate	7.30	43	37047	22.069	ug/l	95
38) Carbon Tetrachloride	8.10	117	102029	21.392	ug/l	92

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	114207	21.455	ug/l	98
40) Benzene	8.35	78	270159	21.969	ug/l	97
41) Methacrylonitrile	7.53	41	18155m	18.879	ug/l	
42) 1,2-Dichloroethane	8.43	62	77659	23.046	ug/l	100
43) Isopropyl Acetate	8.46	43	72044	21.974	ug/l	99
44) Trichloroethene	9.11	130	84306	22.655	ug/l	93
45) 1,2-Dichloropropane	9.39	63	67679	22.724	ug/l	98
46) Dibromomethane	9.48	93	37230	23.221	ug/l	98
47) Bromodichloromethane	9.67	83	93493	22.054	ug/l #	95
48) Methyl methacrylate	9.46	41	36054	21.800	ug/l	94
49) 1,4-Dioxane	9.46	88	9142	492.161	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	189303	114.592	ug/l	99
52) Toluene	10.41	92	182444	22.750	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	87621	22.185	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	111605	23.311	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	52467	23.074	ug/l	92
56) Ethyl methacrylate	10.66	69	60477	22.875	ug/l	97
57) 1,3-Dichloropropane	10.95	76	86368	22.944	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	150795	119.401	ug/l	99
59) 2-Hexanone	10.98	43	130876	114.322	ug/l	98
60) Dibromochloromethane	11.14	129	71446	23.303	ug/l	100
61) 1,2-Dibromoethane	11.25	107	49788	22.709	ug/l	97
64) Tetrachloroethene	10.88	164	72555	22.132	ug/l	96
65) Chlorobenzene	11.67	112	200065	22.623	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	74848	22.922	ug/l	99
67) Ethyl Benzene	11.75	91	335841	22.068	ug/l	98
68) m/p-Xylenes	11.86	106	272091	46.516	ug/l	97
69) o-Xylene	12.18	106	121300	22.800	ug/l	98
70) Styrene	12.20	104	212776	23.277	ug/l	99
71) Bromoform	12.36	173	42684	22.316	ug/l #	96
73) Isopropylbenzene	12.48	105	323072	21.860	ug/l	100
74) N-amyl acetate	12.29	43	69755	22.764	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	56374	23.081	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	40406m	21.972	ug/l	
77) Bromobenzene	12.77	156	84842	22.463	ug/l	97
78) n-propylbenzene	12.83	91	385575	22.483	ug/l	100
79) 2-Chlorotoluene	12.91	91	218170	22.267	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	275604	22.698	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	17933	22.376	ug/l	97
82) 4-Chlorotoluene	13.01	91	230941	22.331	ug/l	99
83) tert-Butylbenzene	13.23	119	239528	22.544	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	274488	22.914	ug/l	99
85) sec-Butylbenzene	13.41	105	327168	22.355	ug/l	99
86) p-Isopropyltoluene	13.52	119	305376	22.968	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	162047	23.108	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	158766	22.396	ug/l	99
89) n-Butylbenzene	13.85	91	269137	21.770	ug/l	99
90) Hexachloroethane	14.12	117	59070	21.461	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	139038	22.881	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9234	23.068	ug/l	95

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MSVOA_D
ClientSampleId :
VD0721SBSD01

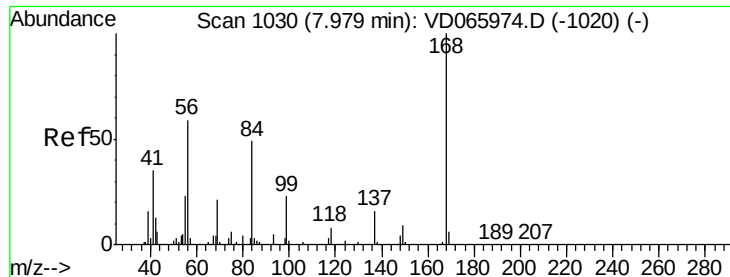
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	100456	23.031	ug/l	99
94) Hexachlorobutadiene	15.27	225	59203	21.955	ug/l	98
95) Naphthalene	15.41	128	157570	22.421	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	85888	22.651	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion:168 Resp: 343978

Ion Ratio Lower Upper

168 100

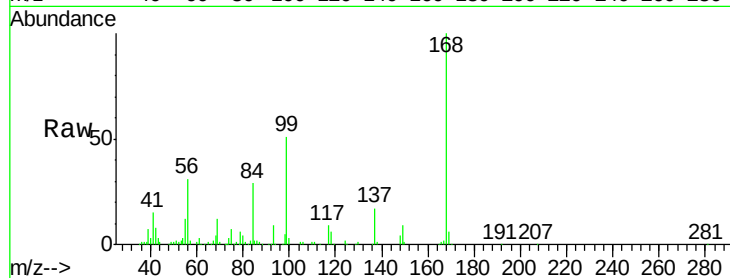
99 50.4 40.8 61.2

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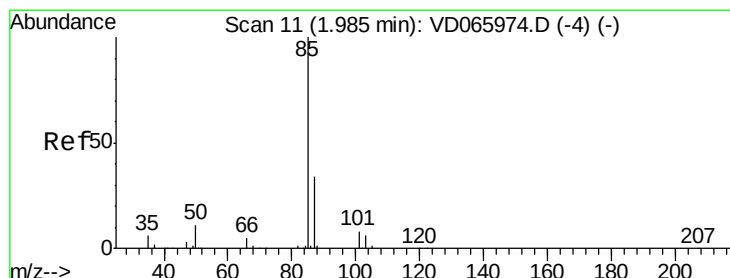
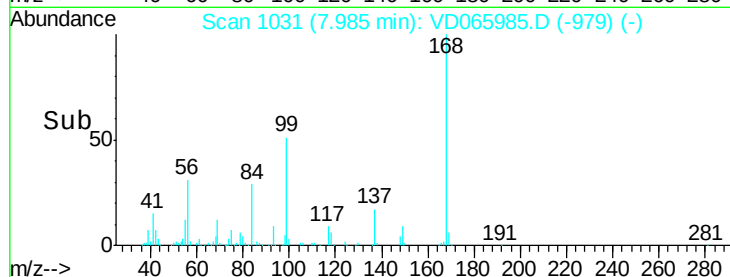
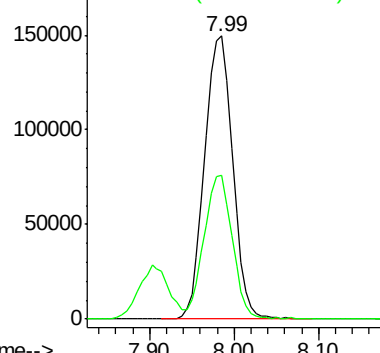
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 23.830 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD065985.D

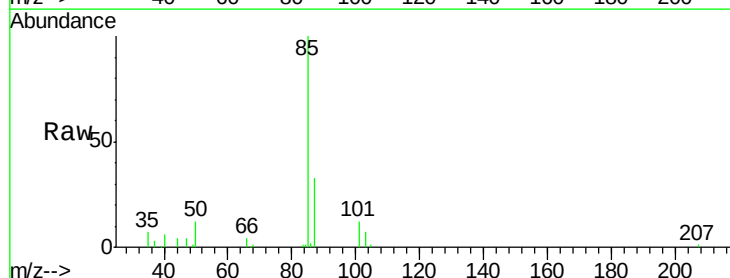
Acq: 21 Jul 2020 17:34

Tgt Ion: 85 Resp: 62206

Ion Ratio Lower Upper

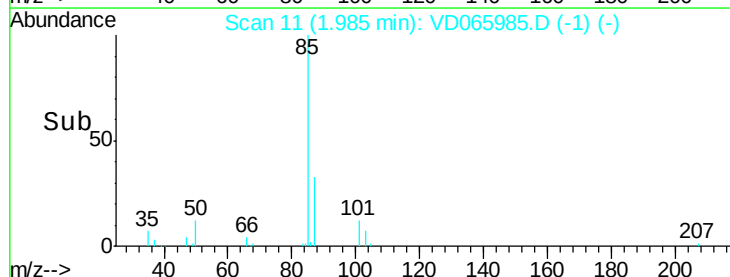
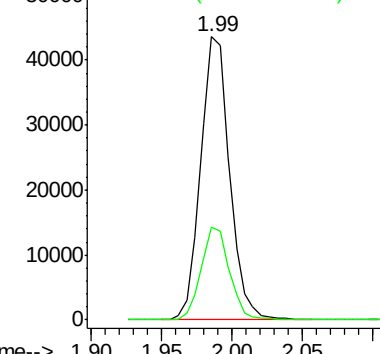
85 100

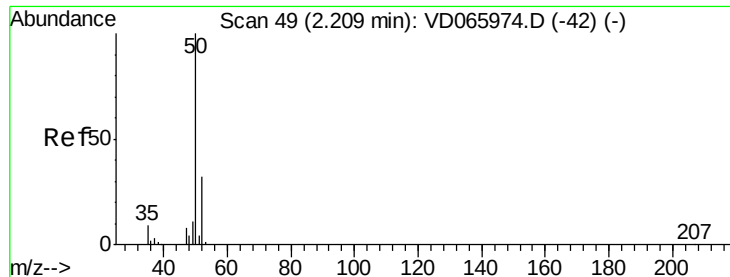
87 32.6 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.526 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 50 Resp: 47988

Ion Ratio Lower Upper

50 100

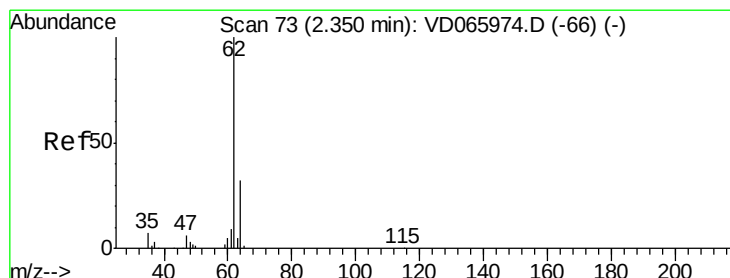
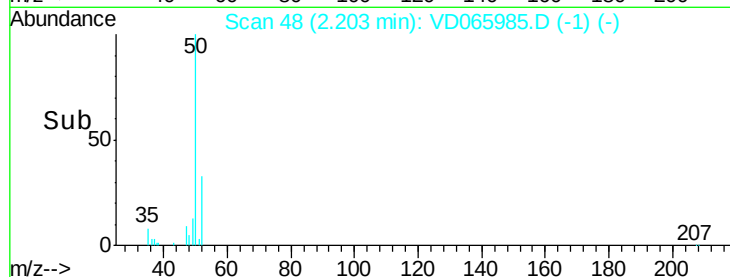
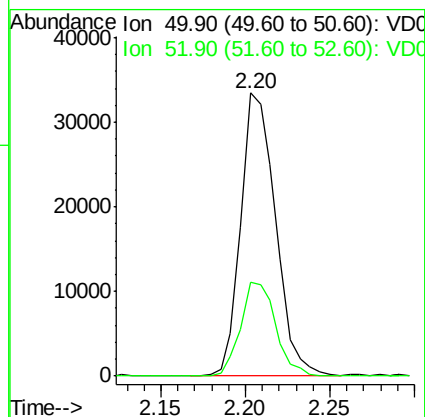
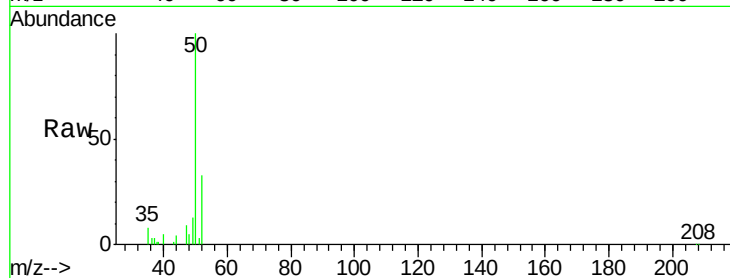
52 33.4 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.049 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065985.D

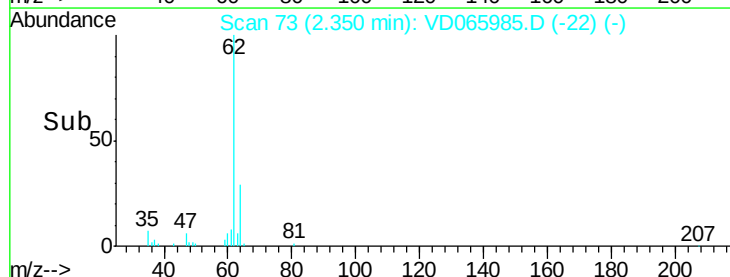
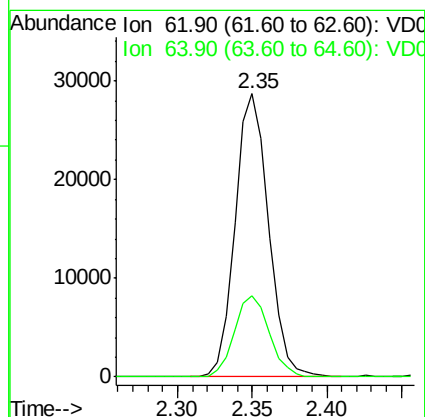
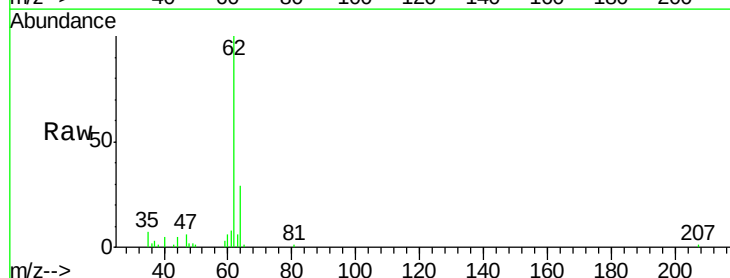
Acq: 21 Jul 2020 17:34

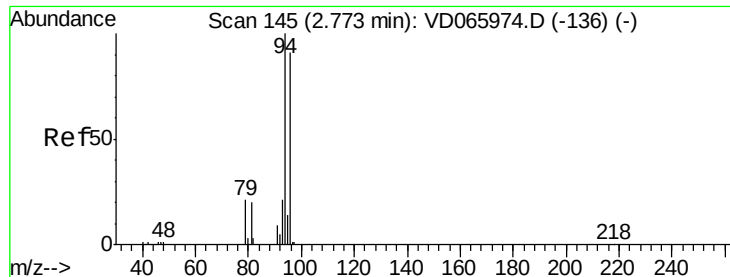
Tgt Ion: 62 Resp: 44730

Ion Ratio Lower Upper

62 100

64 28.9 25.8 38.8





#5

Bromomethane

Concen: 18.497 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 94 Resp: 30900

Ion Ratio Lower Upper

94 100

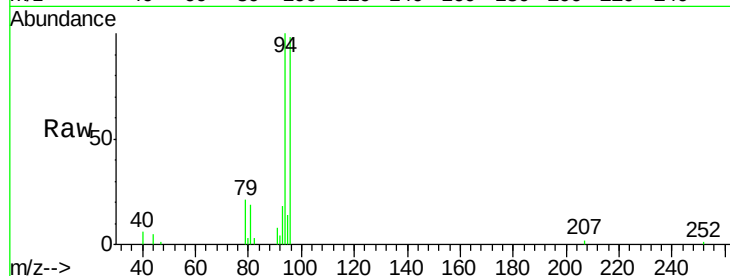
96 98.4 73.0 109.4

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

2.76

15000

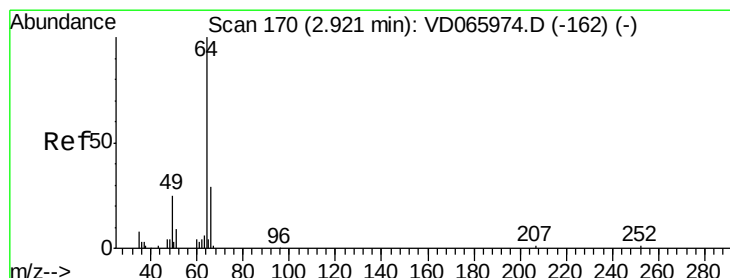
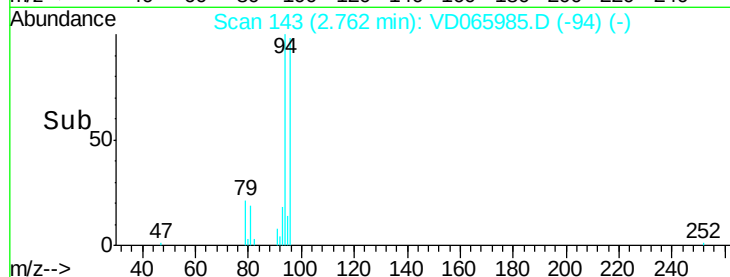
10000

5000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 21.647 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD065985.D

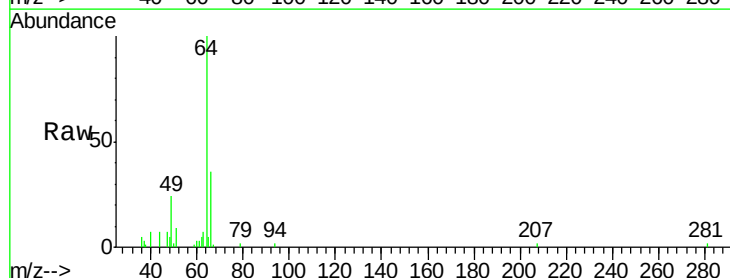
Acq: 21 Jul 2020 17:34

Tgt Ion: 64 Resp: 26215

Ion Ratio Lower Upper

64 100

66 35.6 23.4 35.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

15000

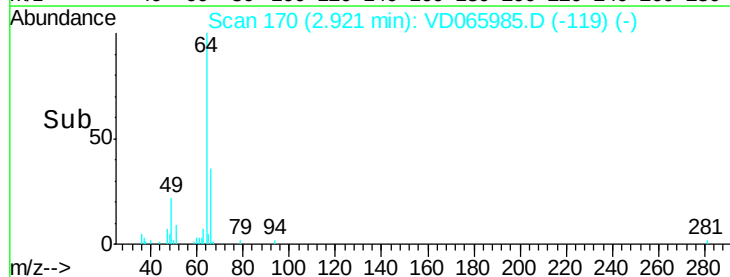
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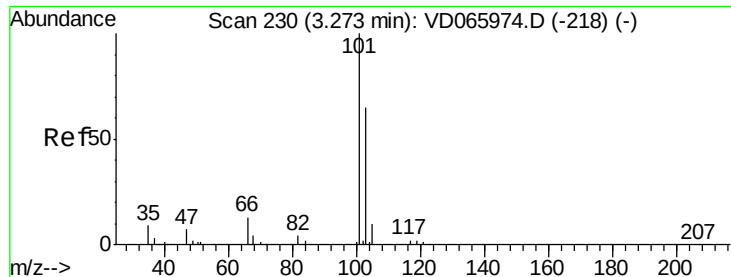
5000

0

Time-->

2.85 2.90 2.95 3.00





#7

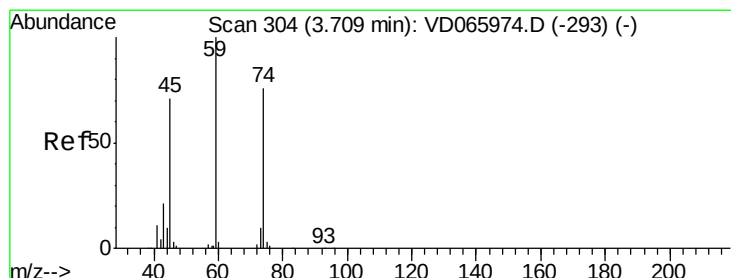
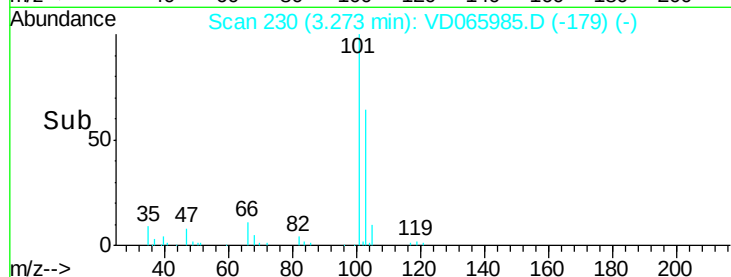
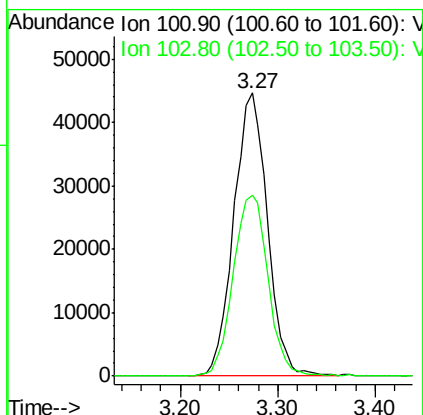
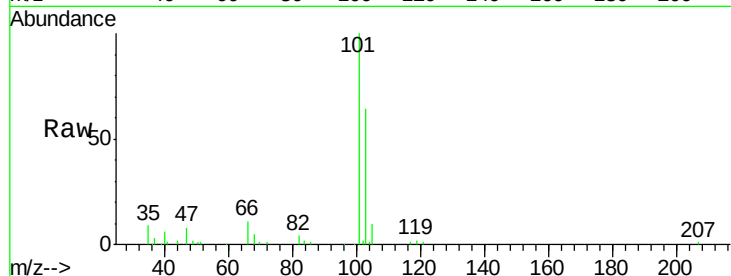
Trichlorofluoromethane
Concen: 21.752 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.1	78.1

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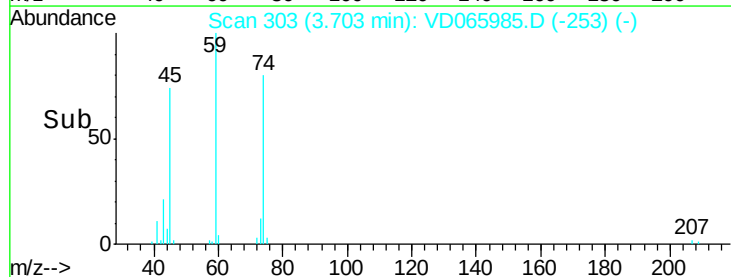
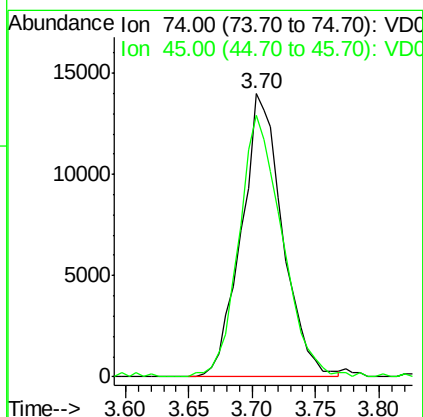
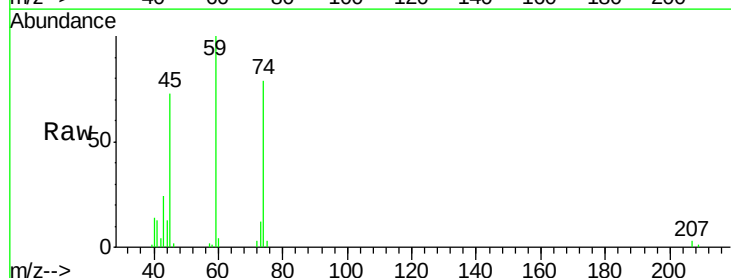
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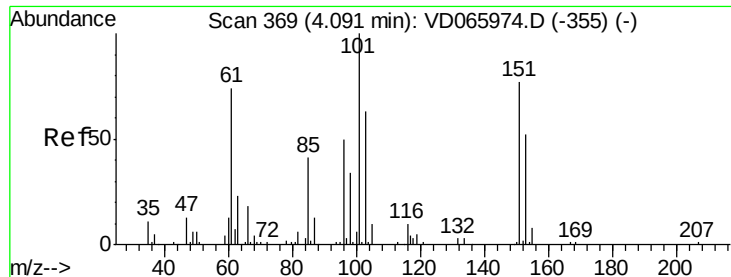


#8

Diethyl Ether
Concen: 23.132 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.492 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

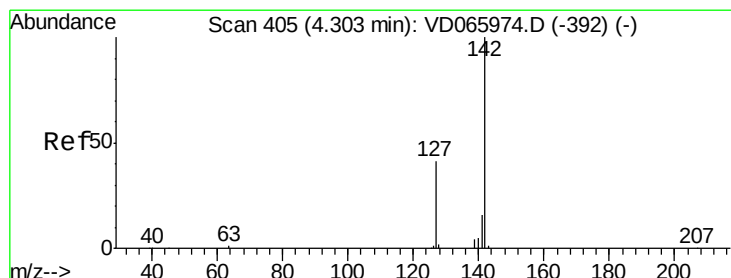
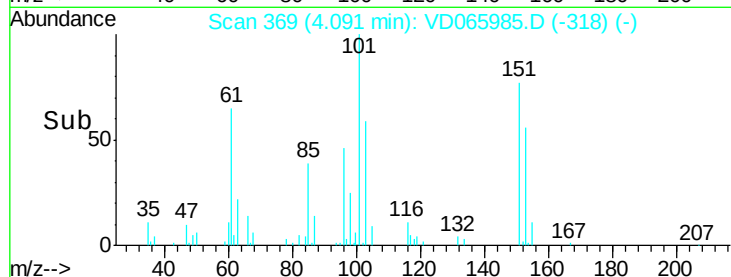
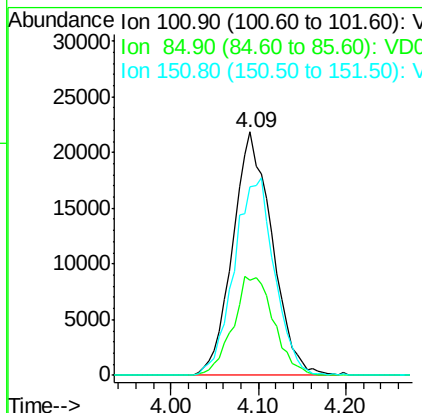
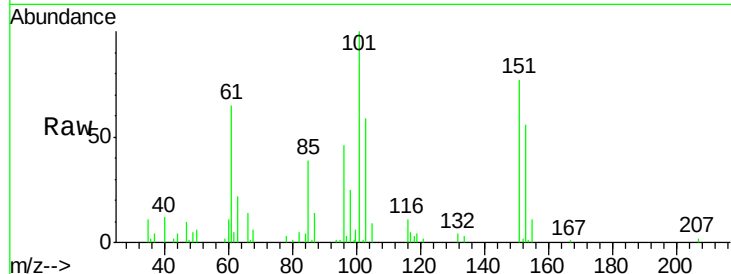
ClientSampleId :

VD0721SBS01

Tot Ion:	101	Resp:	67014
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.6	50.4
151	83.0	66.6	99.8

Manual Integrations
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#10

Methyl Iodide

Concen: 25.400 ug/l

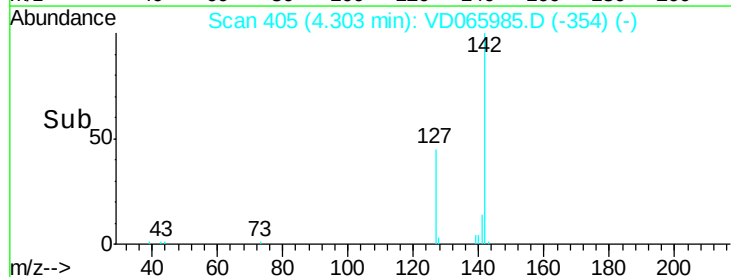
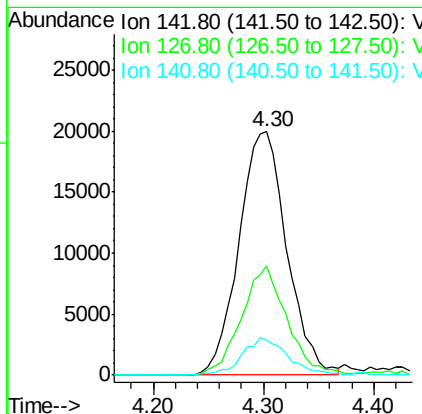
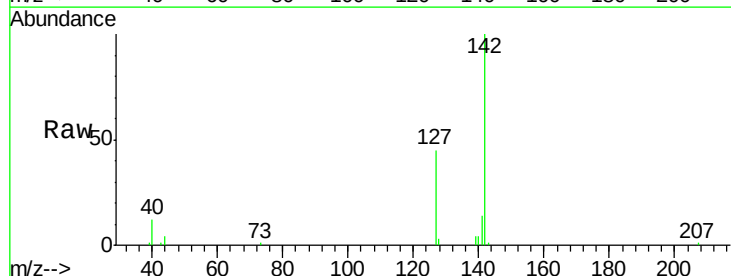
RT: 4.30 min Scan# 405

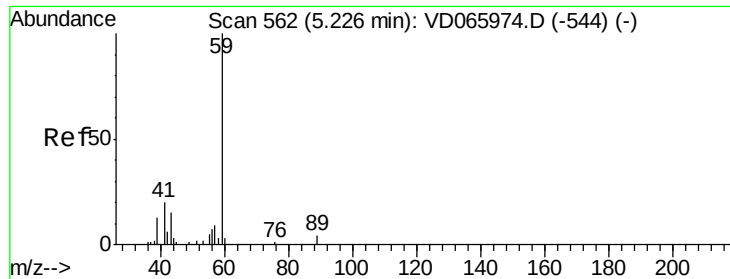
Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Tgt Ion:	142	Resp:	60605
Ion Ratio	Lower	Upper	
142	100		
127	42.5	32.9	49.3
141	14.7	11.8	17.6





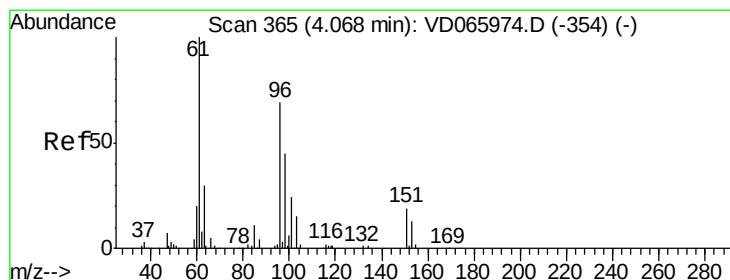
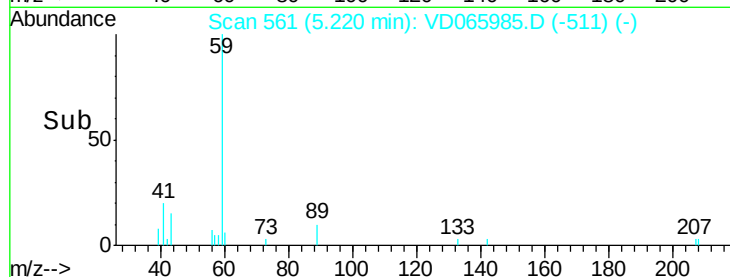
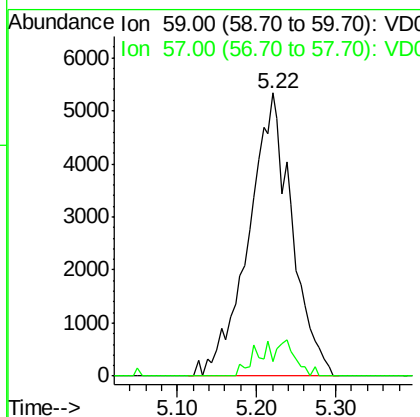
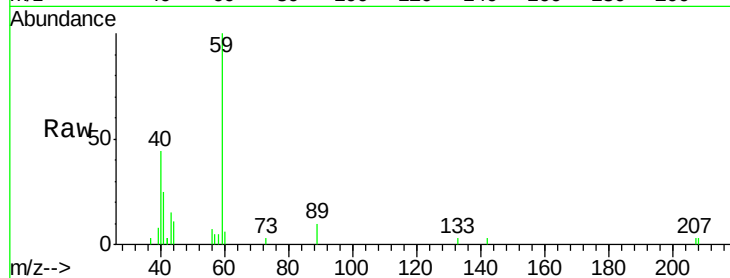
#11
Tert butyl alcohol
Concen: 98.815 ug/l
RT: 5.22 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	20289		
57	57	5.5		4.5	6.7

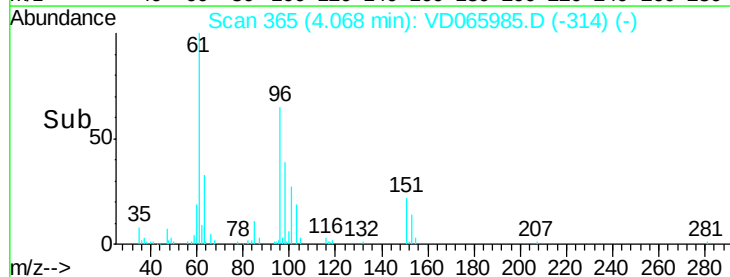
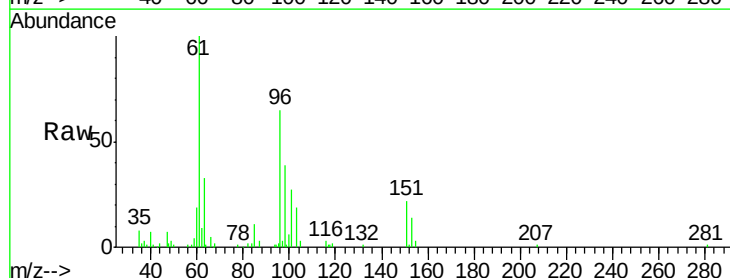
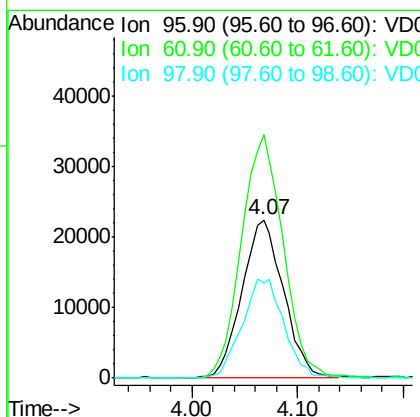
Manual Integrations
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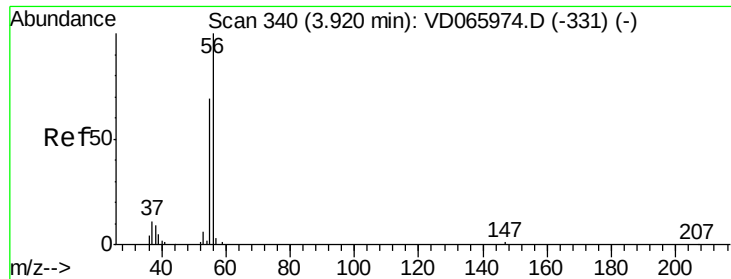
MMDadoda
7/22/2020 2:44:34 PM



#12
1,1-Dichloroethene
Concen: 21.597 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	61423		
61	61	154.0		115.4	173.0
98	98	60.0		51.5	77.3





#13

Acrolein

Concen: 99.892 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 56 Resp: 23556

Ion Ratio Lower Upper

56 100

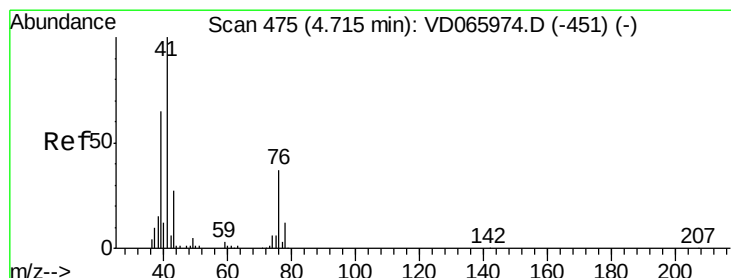
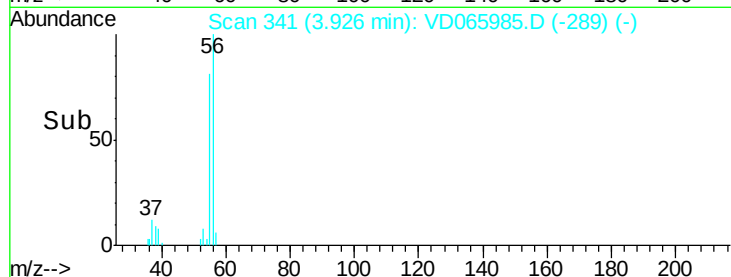
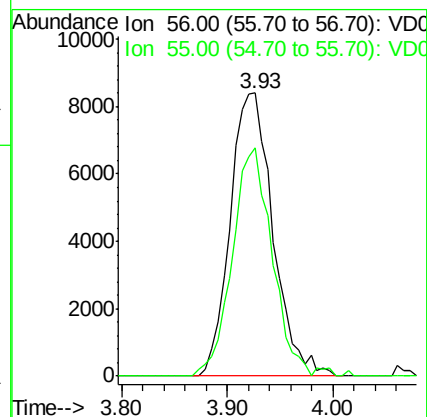
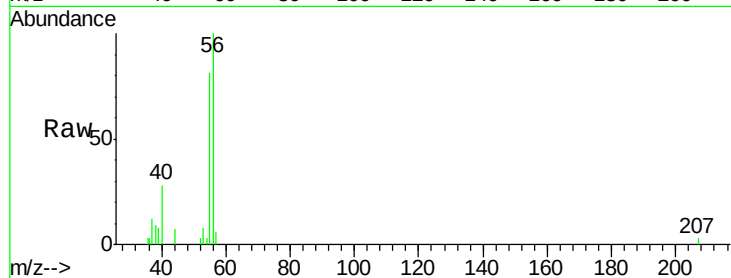
55 74.6 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 22.176 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

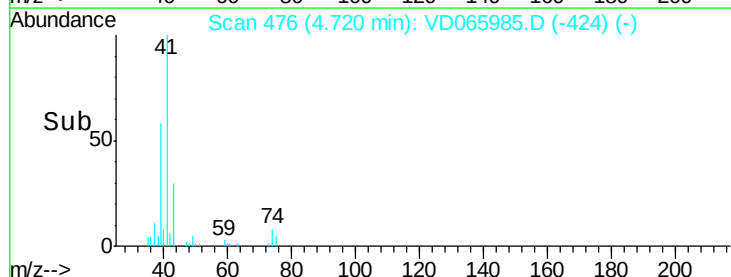
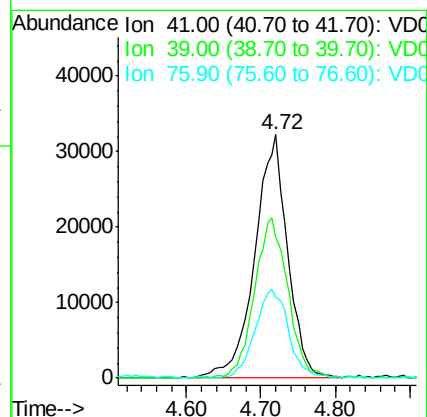
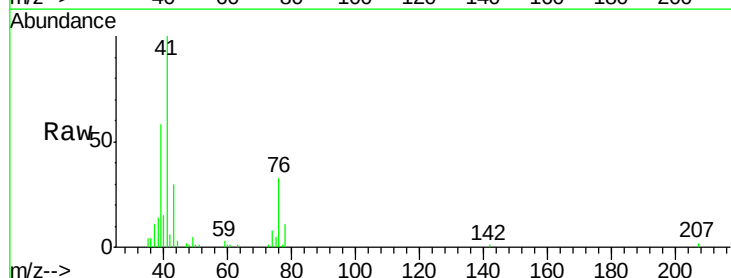
Tgt Ion: 41 Resp: 98587

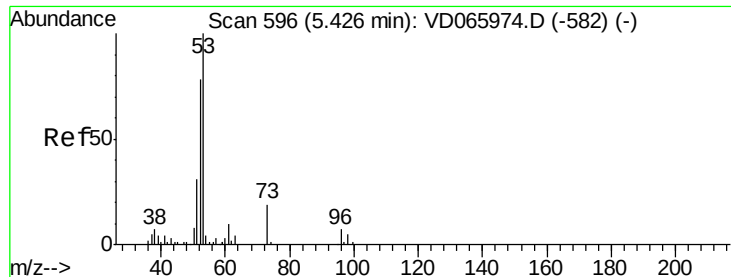
Ion Ratio Lower Upper

41 100

39 66.6 53.4 80.2

76 37.1 29.1 43.7





#15

Acrylonitrile

Concen: 116.401 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

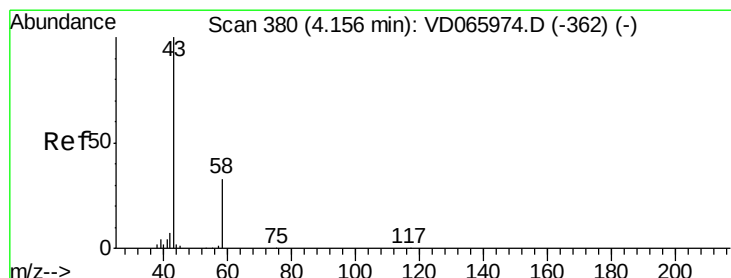
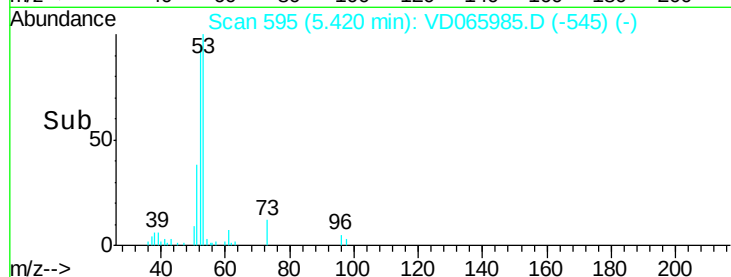
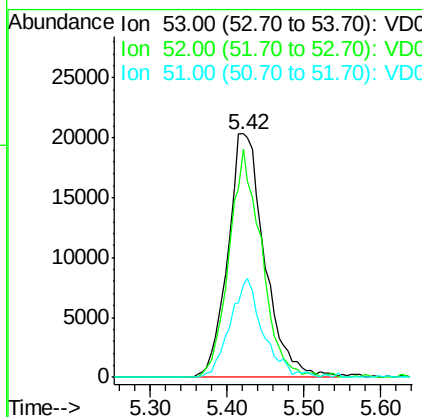
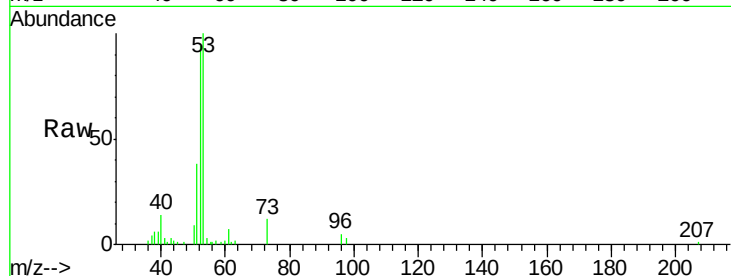
ClientSampleId :

VD0721SBS01

Tot Ion:	53	Resp:	67827
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.1	100.7
51	36.7	28.7	43.1

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#16

Acetone

Concen: 97.598 ug/l

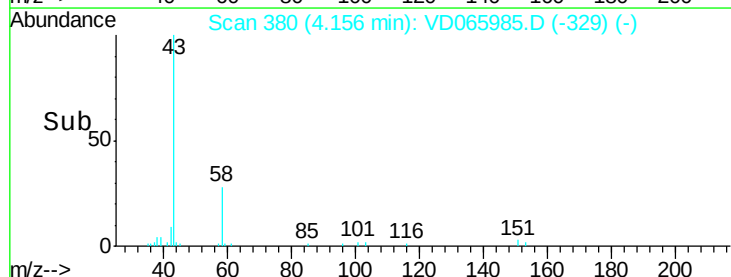
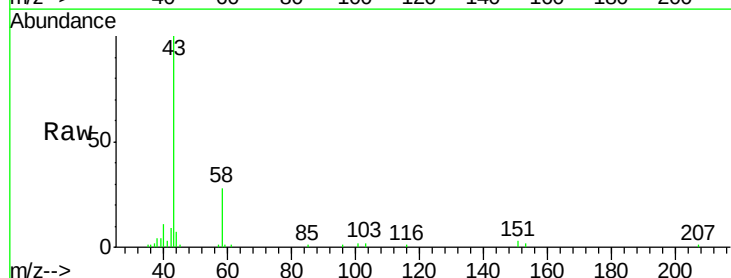
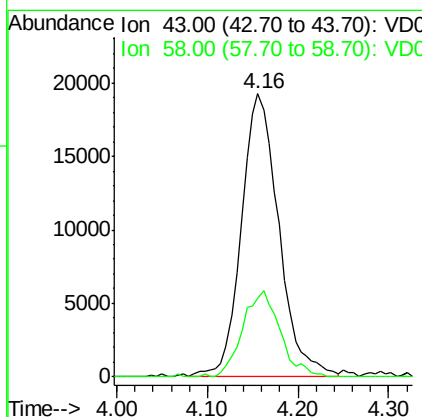
RT: 4.16 min Scan# 380

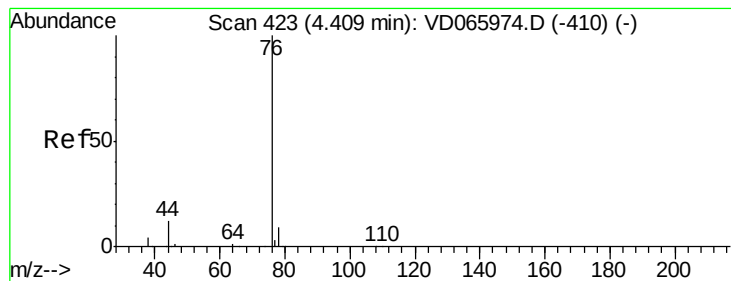
Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Tgt Ion:	43	Resp:	55293
Ion	Ratio	Lower	Upper
43	100		
58	27.7	26.3	39.5





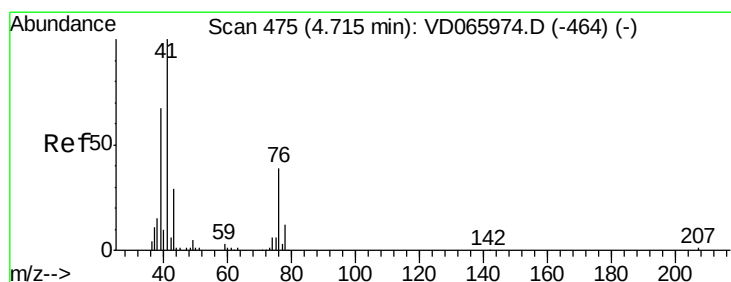
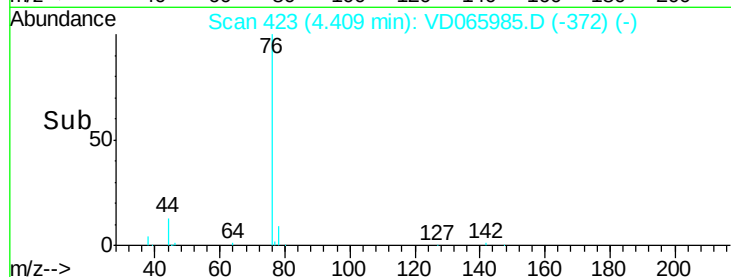
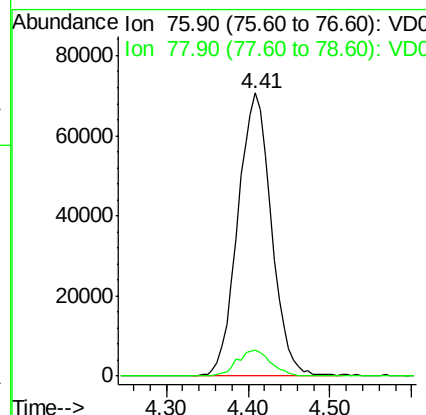
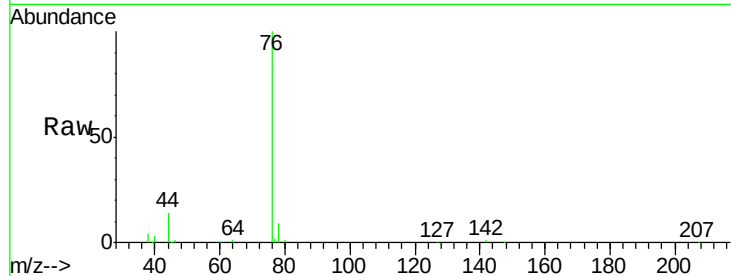
#17
Carbon Disulfide
Concen: 21.864 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.4	11.2

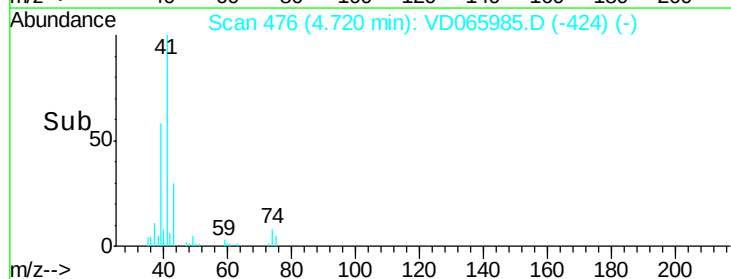
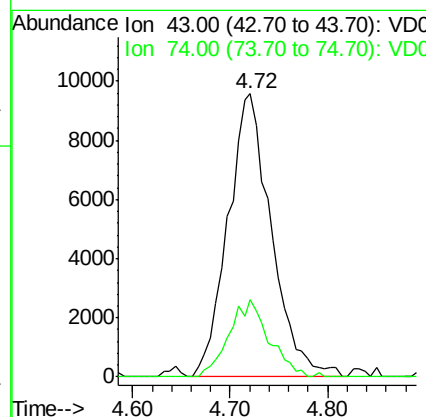
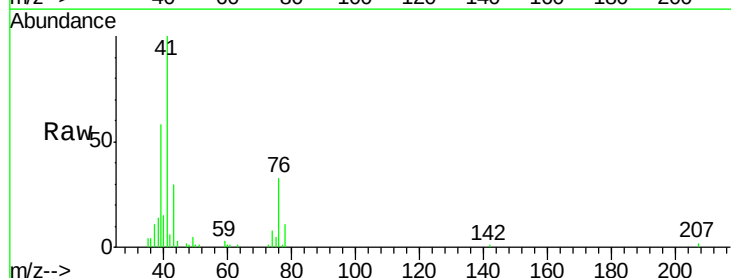
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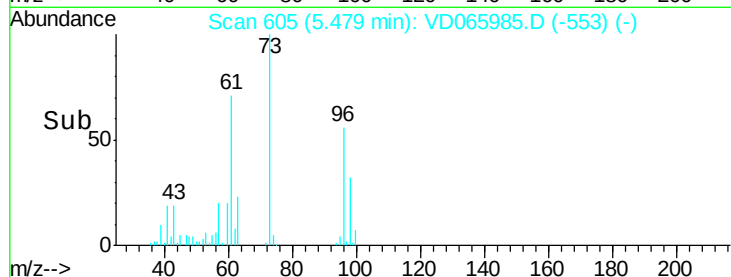
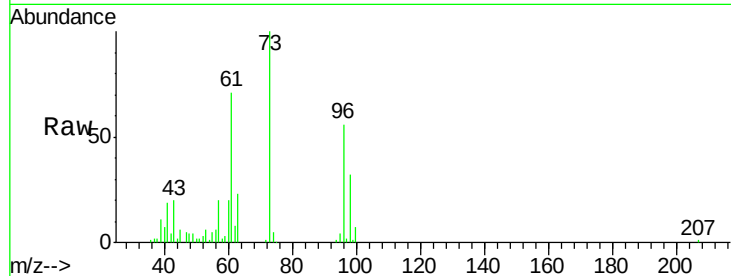
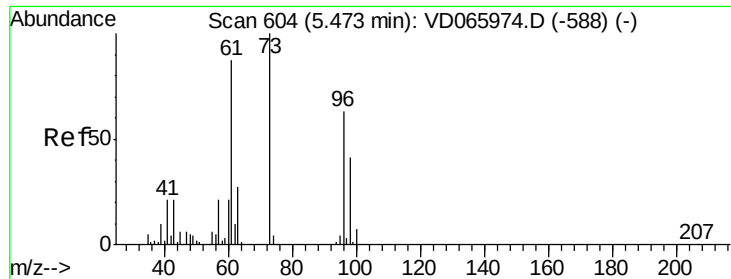
MMDadoda
7/22/2020 2:44:34 PM



#18
Methyl Acetate
Concen: 22.540 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	19.2	28.8





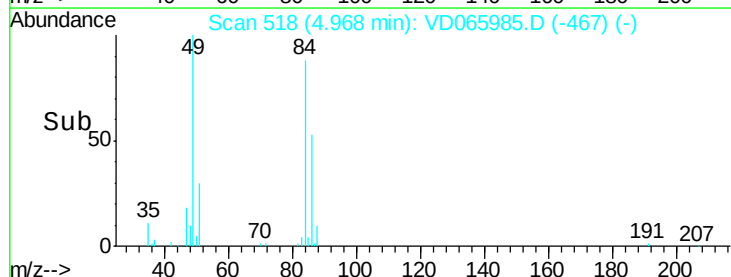
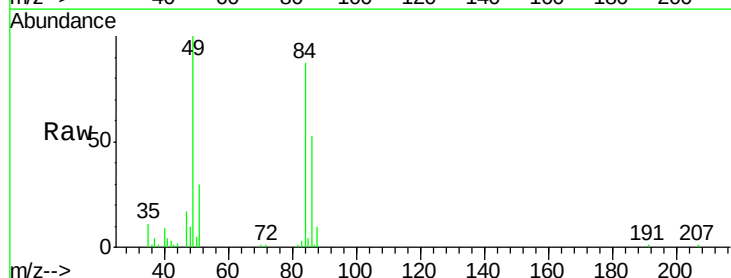
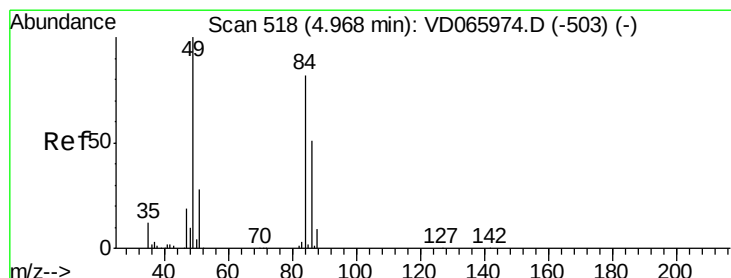
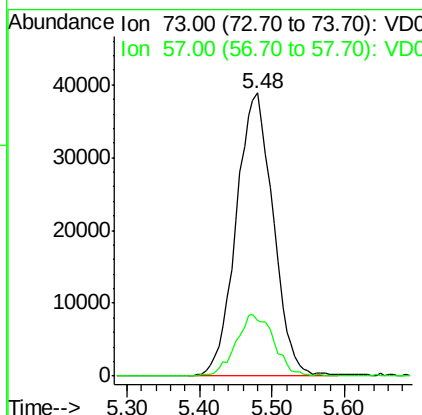
#19
Methyl tert-butyl Ether
Concen: 23.630 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tot Ion: 73 Resp: 138078
Ion Ratio Lower Upper
73 100
57 19.7 17.0 25.4

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

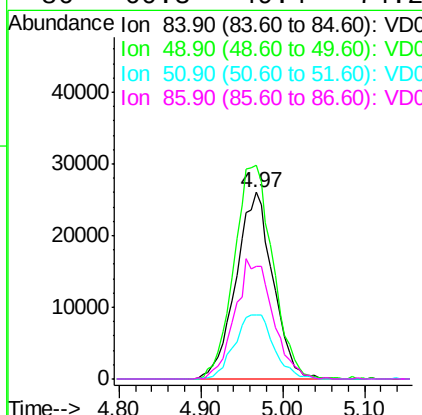
Manual Integrations
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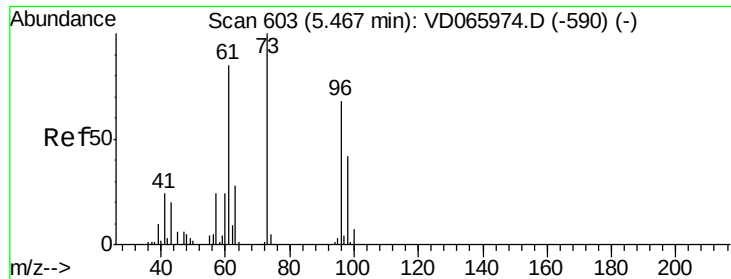
MMDadoda
7/22/2020 2:44:34 PM



#20
Methylene Chloride
Concen: 24.635 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion: 84 Resp: 81884
Ion Ratio Lower Upper
84 100
49 114.4 97.7 146.5
51 34.5 27.4 41.2
86 60.3 49.4 74.2





#21

trans-1,2-Dichloroethene

Concen: 22.312 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

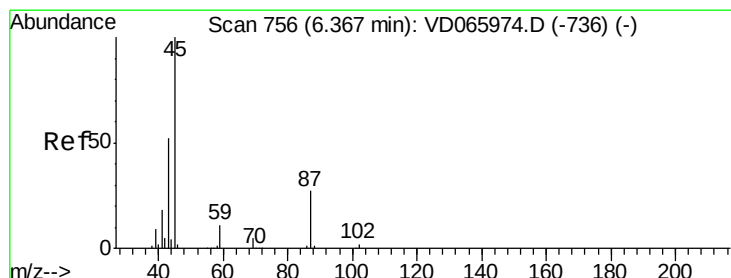
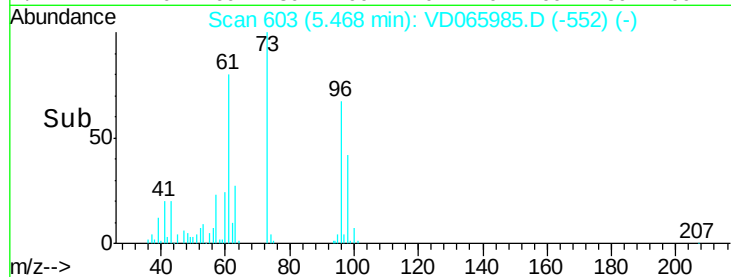
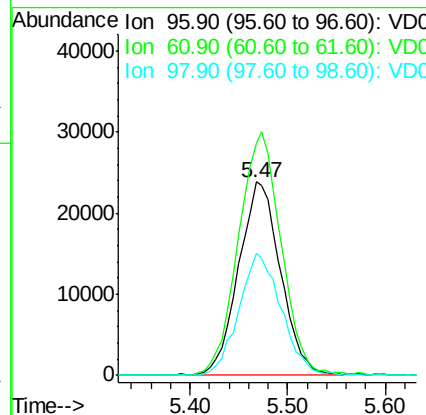
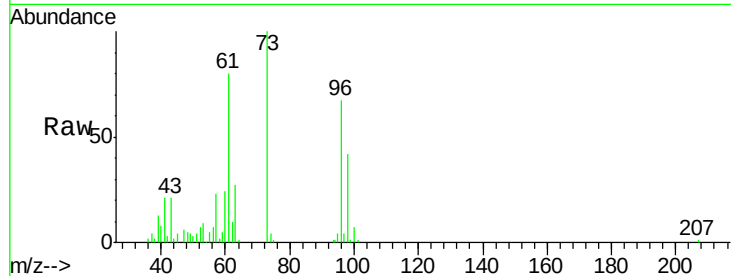
ClientSampleId :

VD0721SBS01

Tot Ion:	96	Resp:	71718
Ion	Ratio	Lower	Upper
96	100		
61	120.0	100.5	150.7
98	62.9	49.7	74.5

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#22

Diisopropyl ether

Concen: 23.867 ug/l

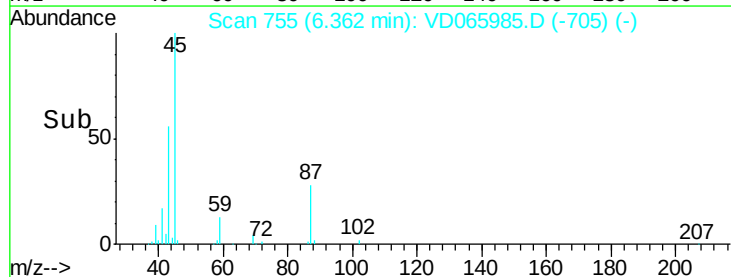
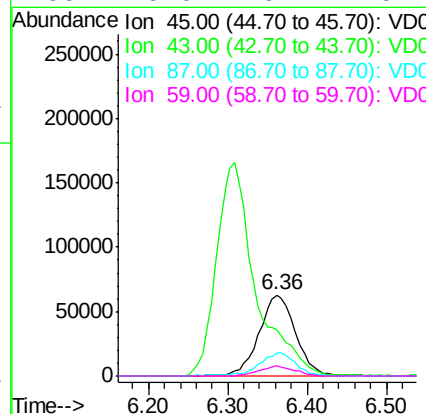
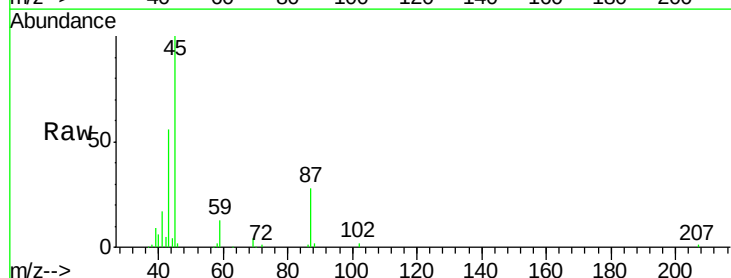
RT: 6.36 min Scan# 755

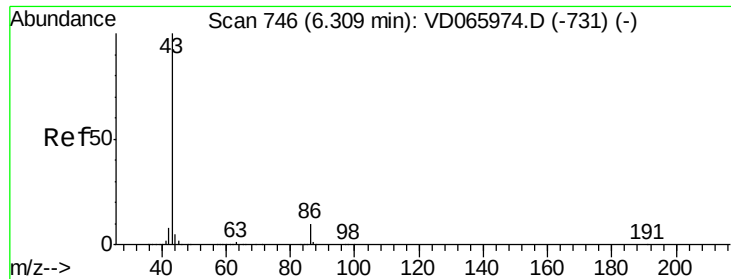
Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Tgt Ion:	45	Resp:	201585
Ion	Ratio	Lower	Upper
45	100		
43	54.6	43.0	64.4
87	28.3	22.0	33.0
59	13.0	9.1	13.7





#23

Vinyl Acetate

Concen: 119.051 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 43 Resp: 567080

Ion Ratio Lower Upper

43 100

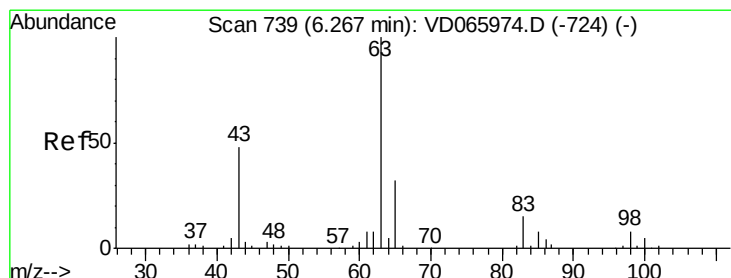
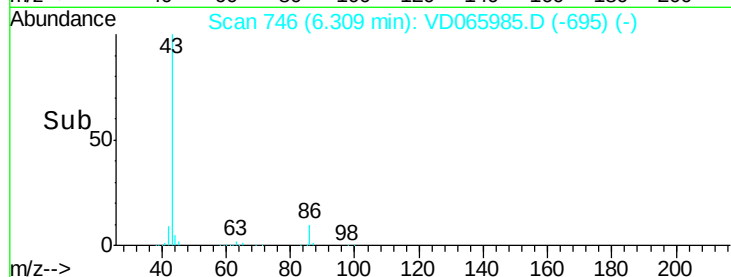
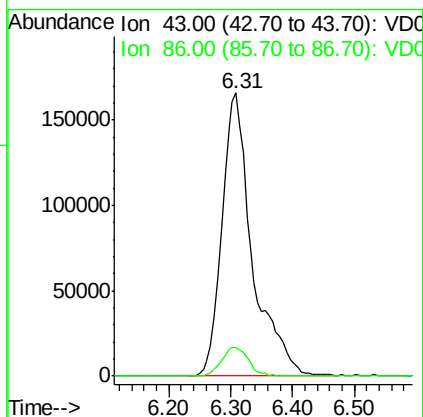
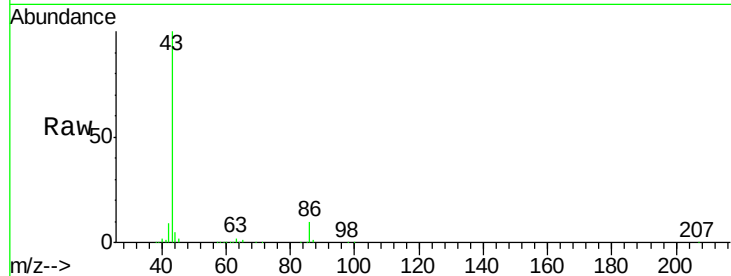
86 10.4 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 23.015 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

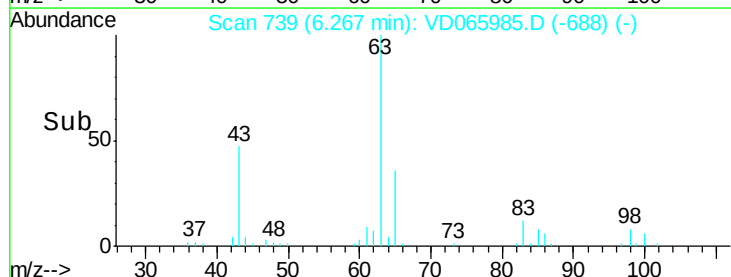
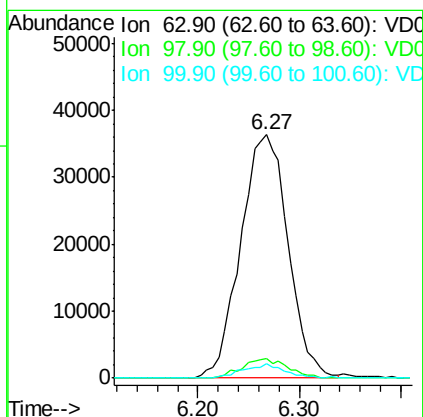
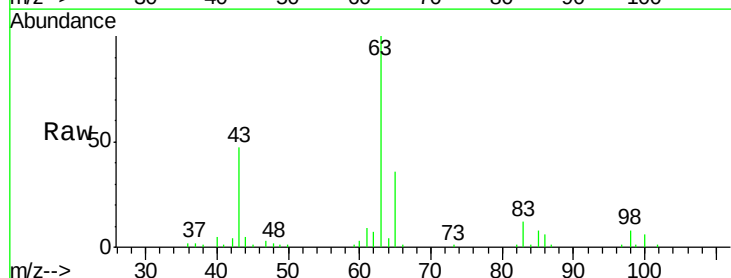
Tgt Ion: 63 Resp: 117781

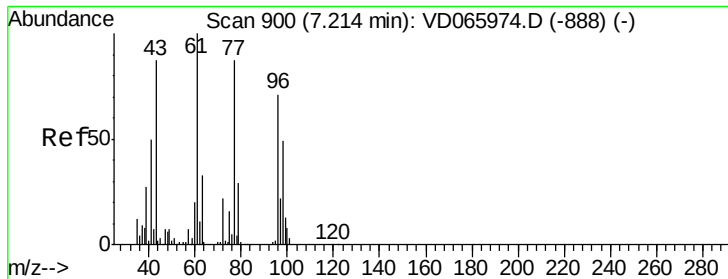
Ion Ratio Lower Upper

63 100

98 8.1 4.3 12.8

100 5.7 2.5 7.5





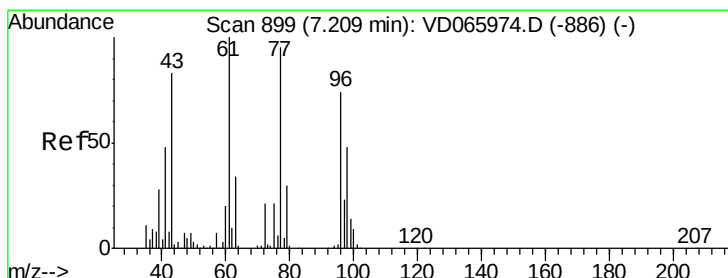
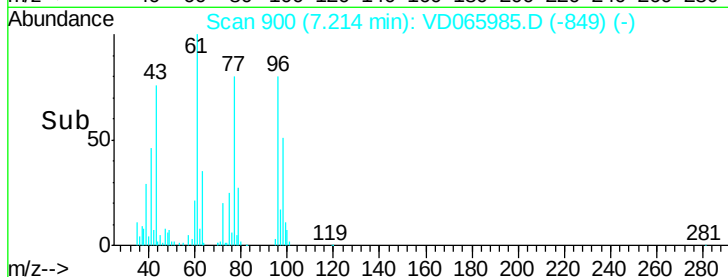
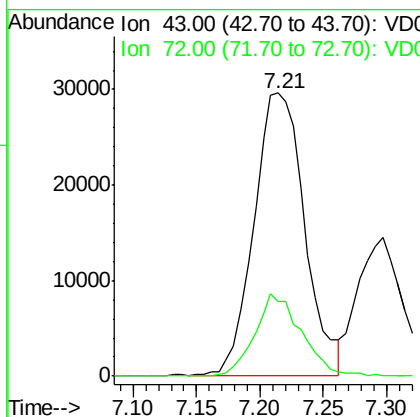
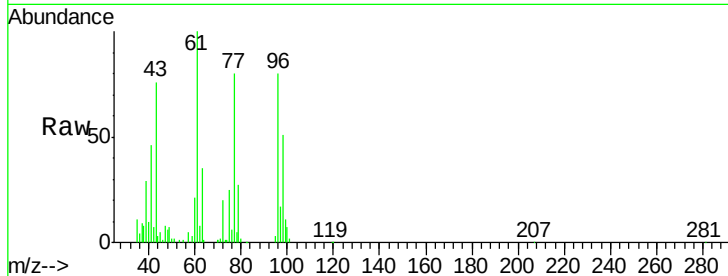
#25
2-Butanone
Concen: 110.187 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	43	Resp	82833
Ion Ratio	Lower	Upper	
43	100		
72	26.6	20.2	30.2

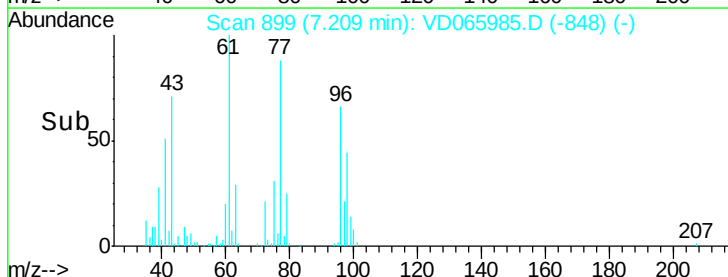
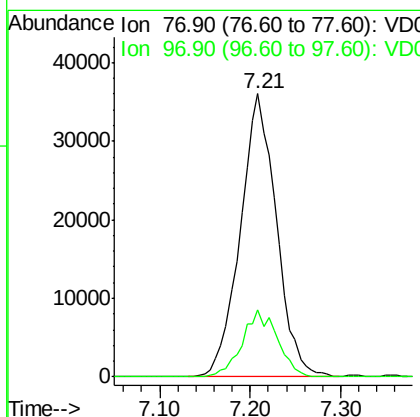
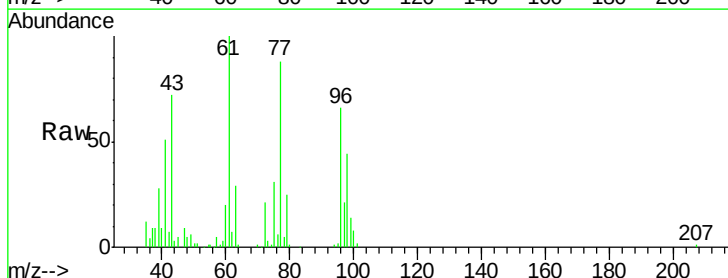
Manual Integrations
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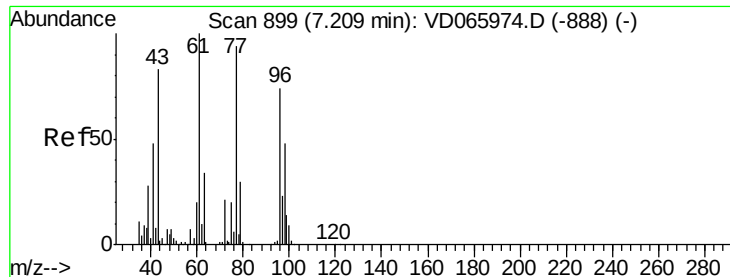
MMDadoda
7/22/2020 2:44:34 PM



#26
2,2-Dichloropropane
Concen: 21.646 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	77	Resp	99617
Ion Ratio	Lower	Upper	
77	100		
97	22.9	11.6	34.7





#27

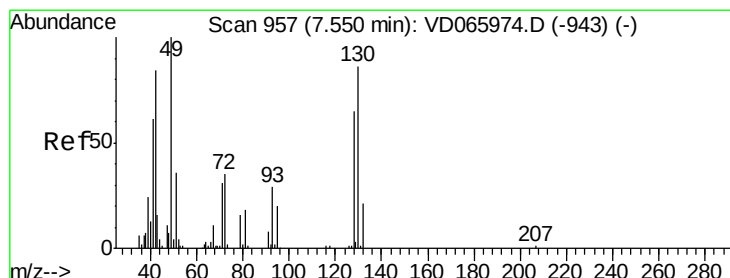
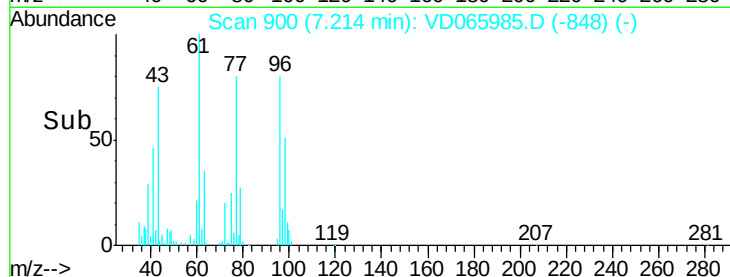
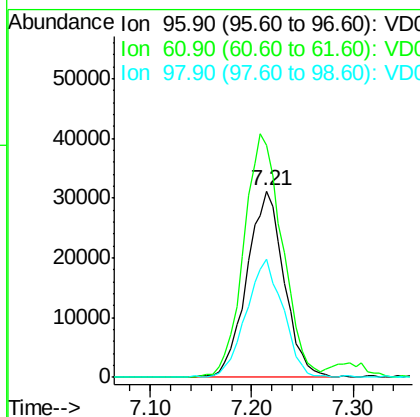
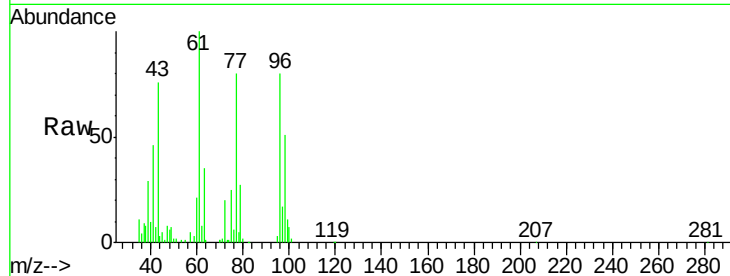
cis-1,2-Dichloroethene
 Concen: 23.332 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.1	0.0	276.6
98	62.9	0.0	130.8

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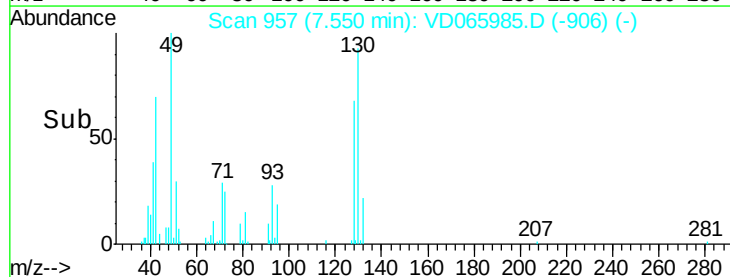
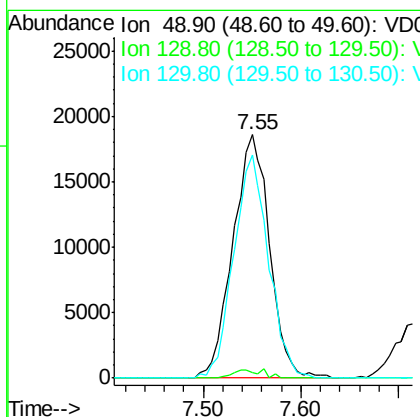
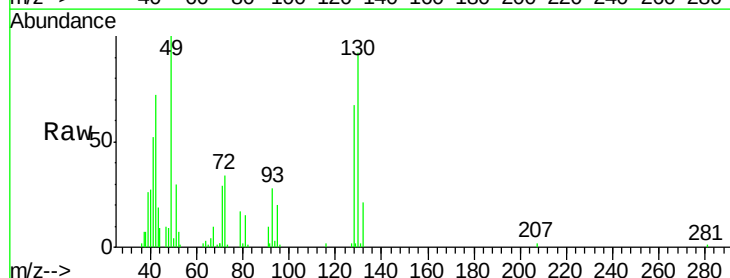
MMDadoda
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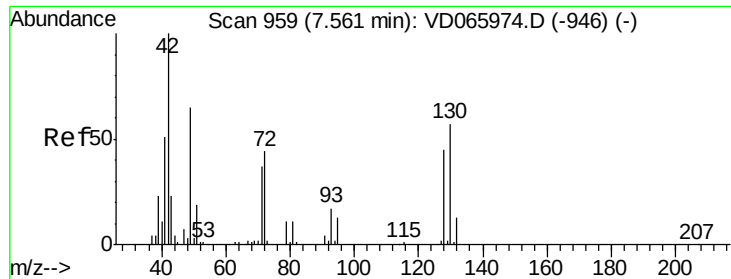


#28

Bromochloromethane
 Concen: 22.277 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	4.8
130	87.4	68.4	102.6





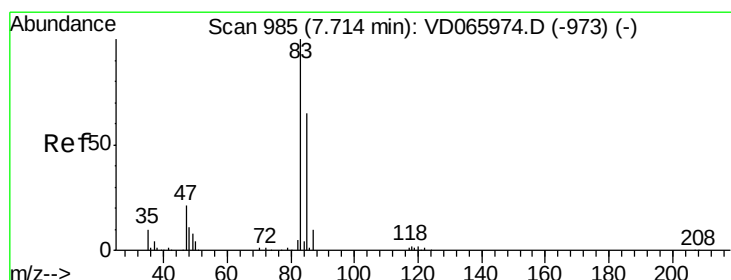
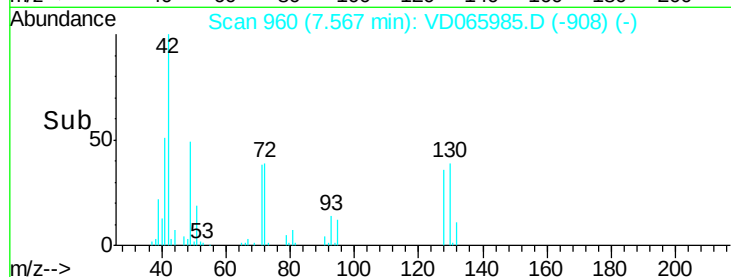
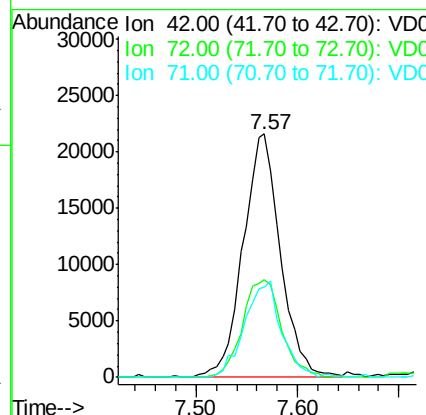
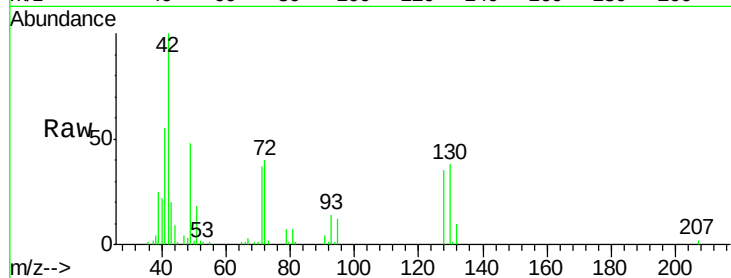
#29
Tetrahydrofuran
Concen: 118.892 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.2	51.2
71	39.0	31.4	47.2

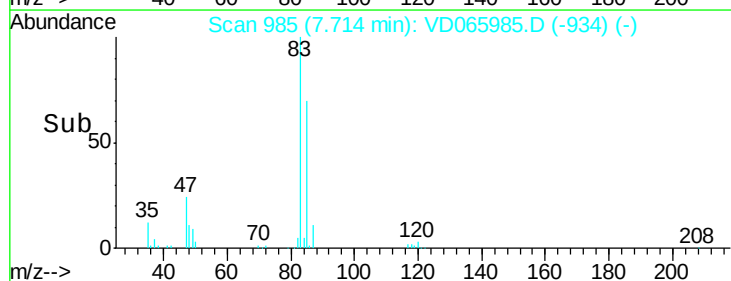
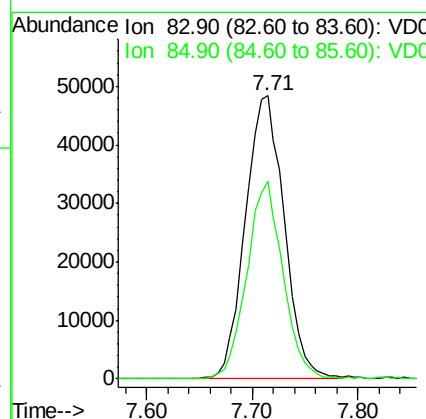
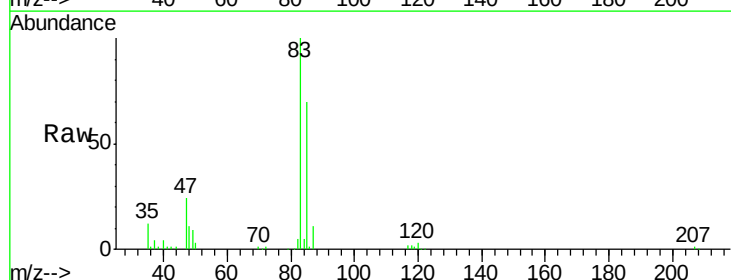
Manual Integrations
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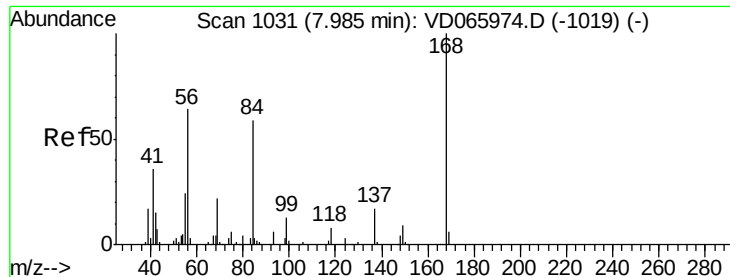
MMDadoda
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#30
Chloroform
Concen: 23.085 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.8	52.1	78.1





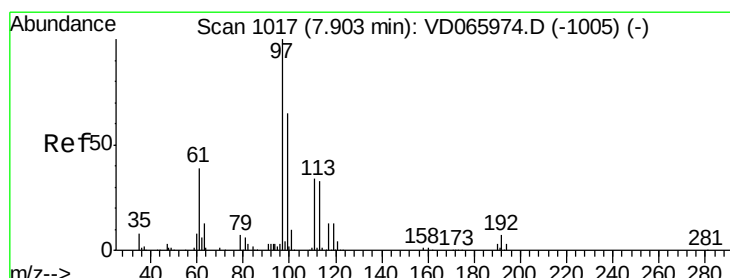
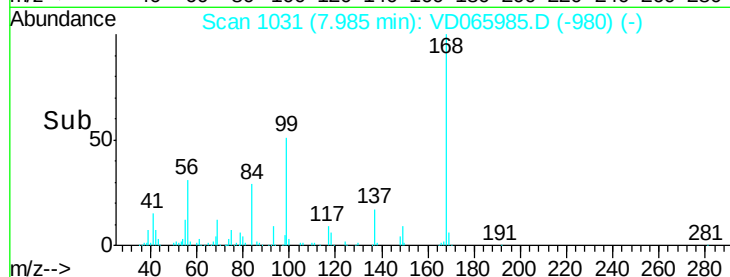
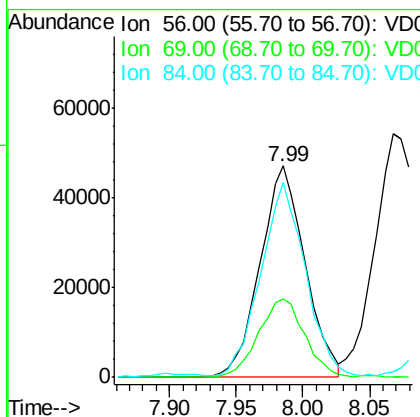
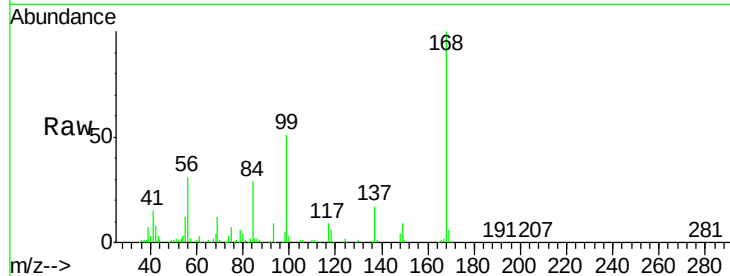
#31
Cyclohexane
Concen: 21.826 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.5	28.0	42.0
84	90.8	72.6	109.0

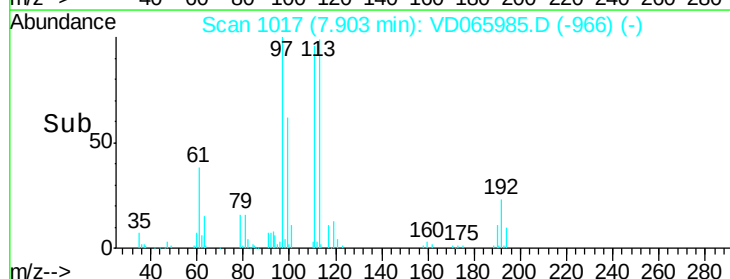
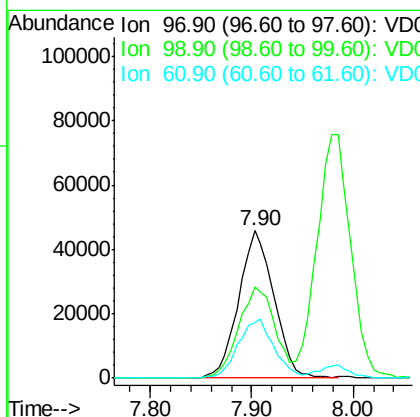
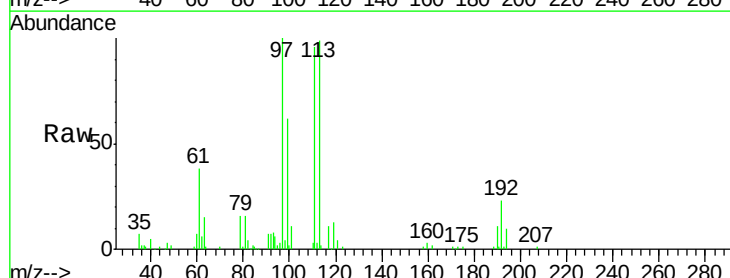
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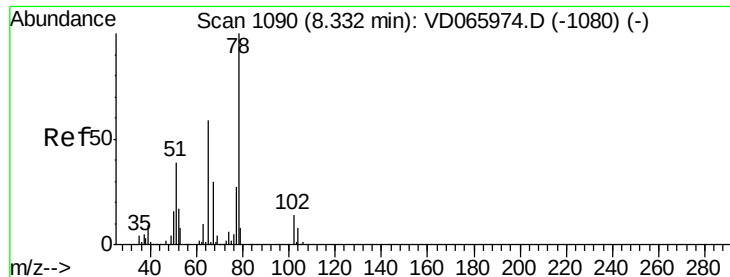
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 22.440 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.8	77.6
61	40.4	33.3	49.9





#33

1,2-Dichloroethane-d4

Concen: 54.221 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 65 Resp: 151759

Ion Ratio Lower Upper

65 100

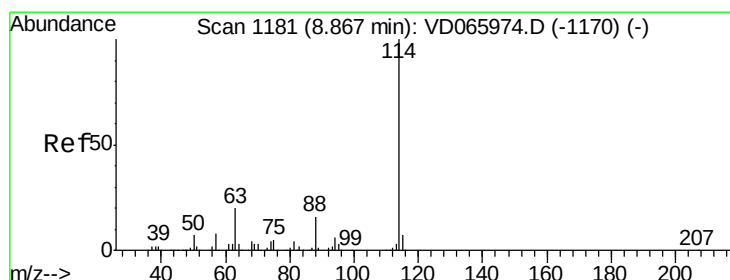
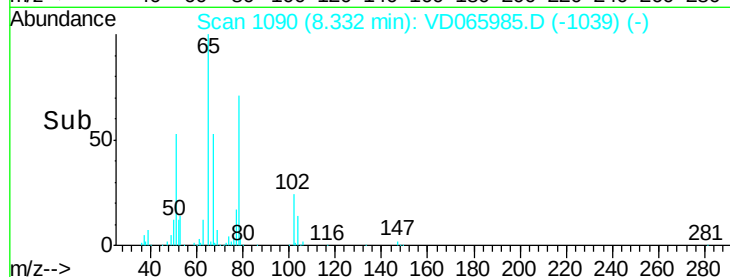
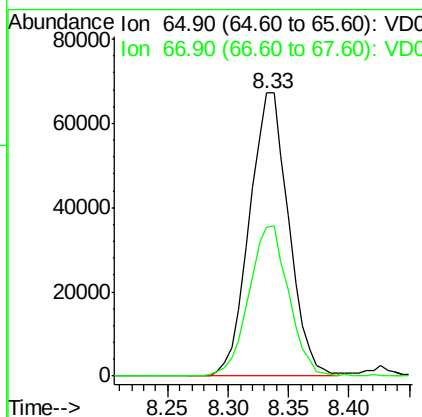
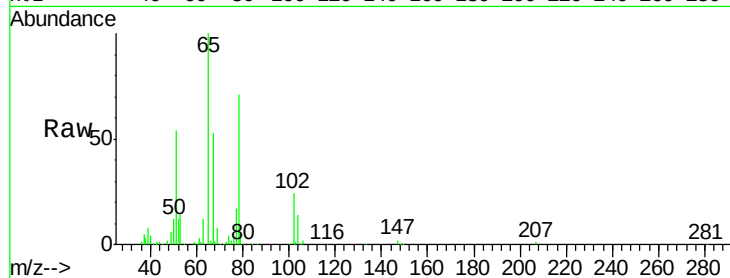
67 53.9 0.0 105.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

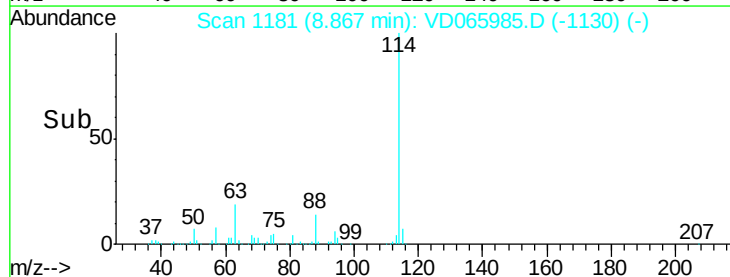
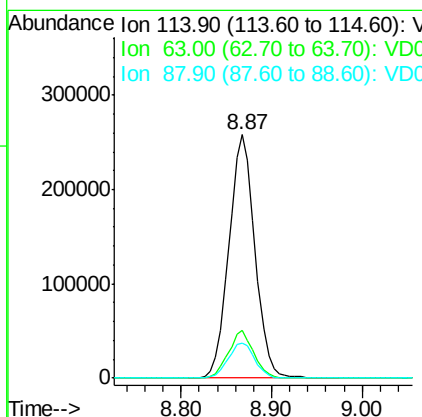
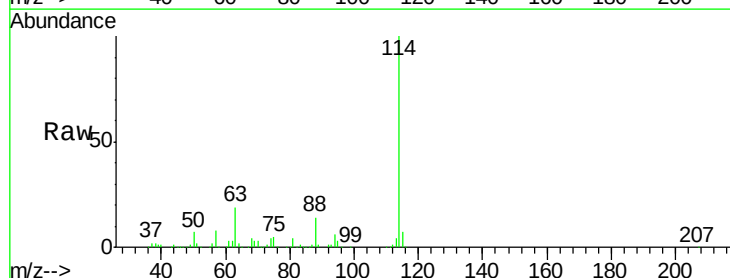
Tgt Ion: 114 Resp: 515033

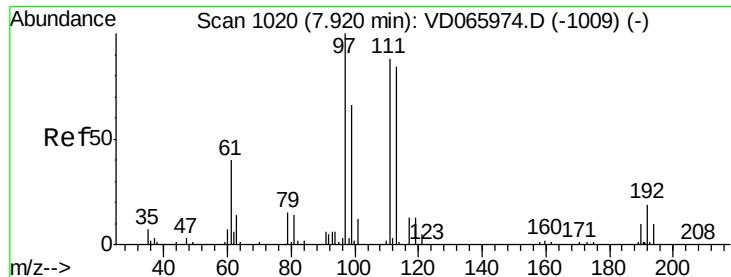
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 14.2 0.0 31.2





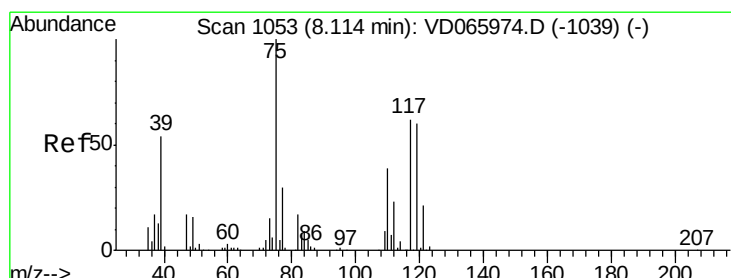
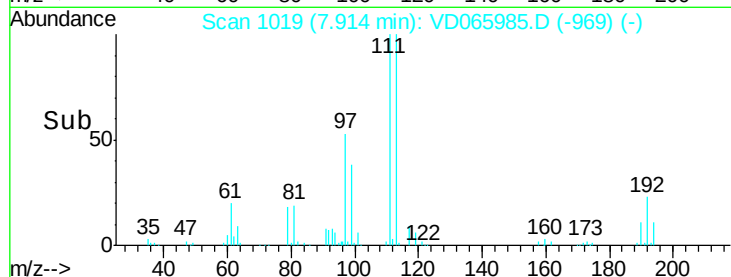
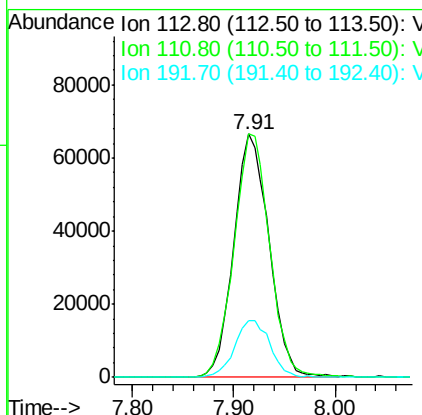
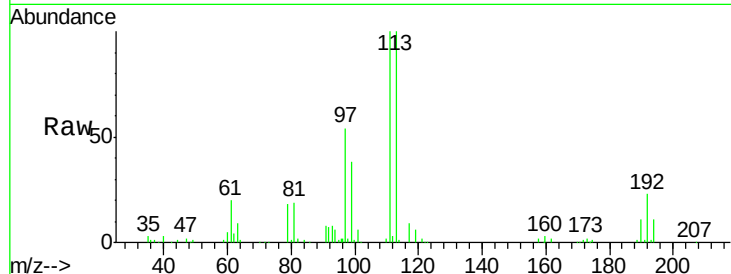
#35
Dibromofluoromethane
Concen: 51.462 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	160758		
111	101.4	83.2	124.8	
192	23.7	18.7	28.1	

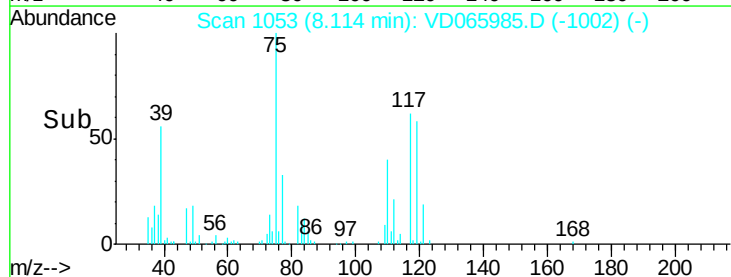
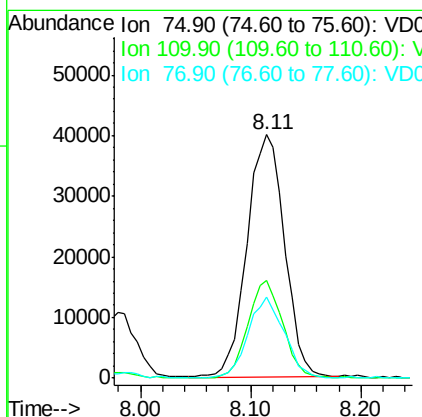
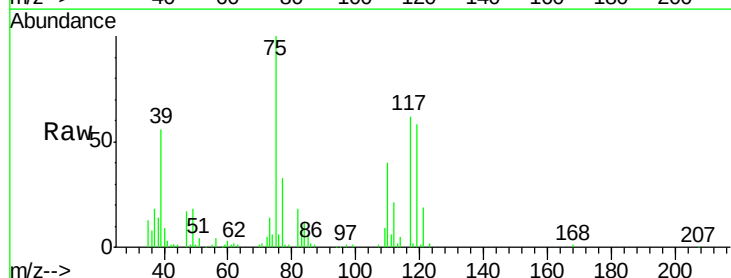
Manual Integrations
APPROVED

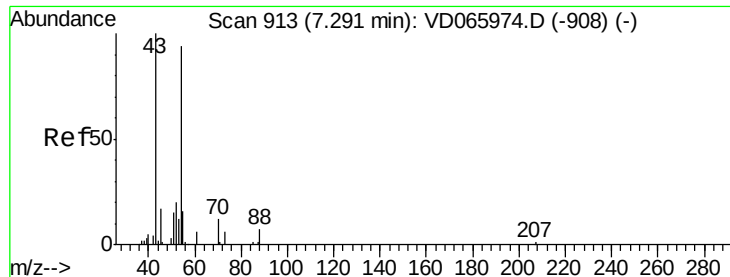
MMDadoda
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#36
1,1-Dichloropropene
Concen: 21.801 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95828		
110	37.2	19.5	58.5	
77	31.8	24.7	37.1	





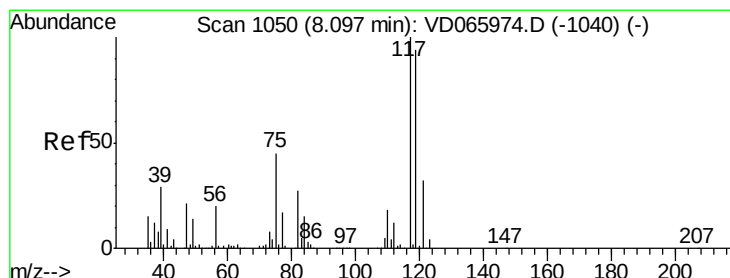
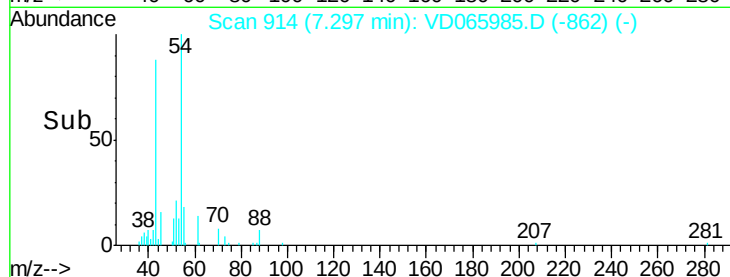
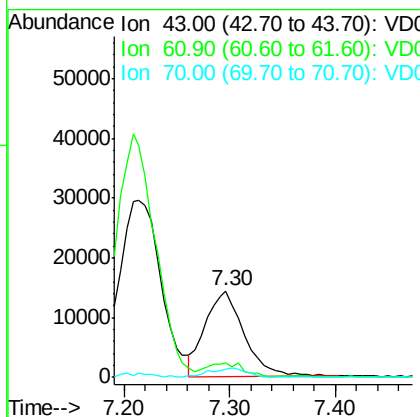
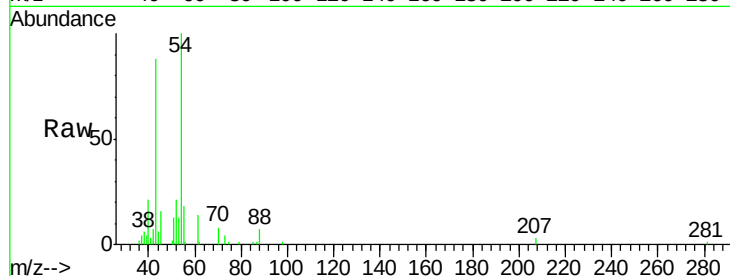
#37
Ethyl Acetate
Concen: 22.069 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	11.4	17.0
70	9.8	9.3	13.9

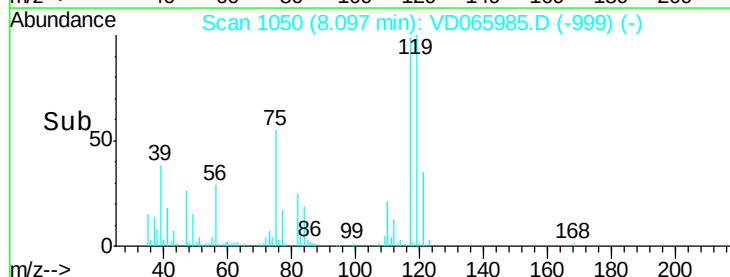
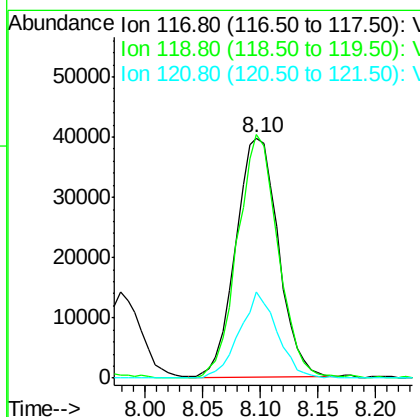
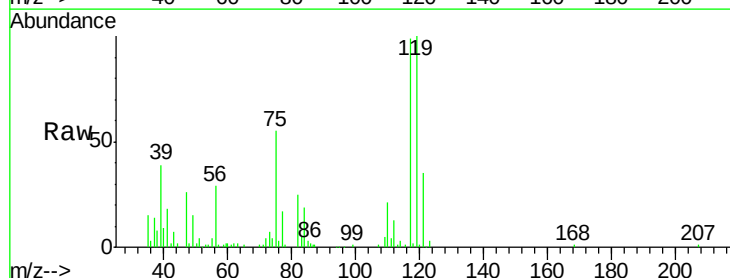
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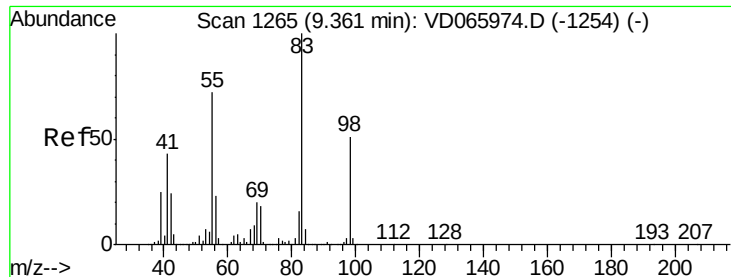
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#38
Carbon Tetrachloride
Concen: 21.392 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.8	75.0	112.6
121	35.8	25.5	38.3





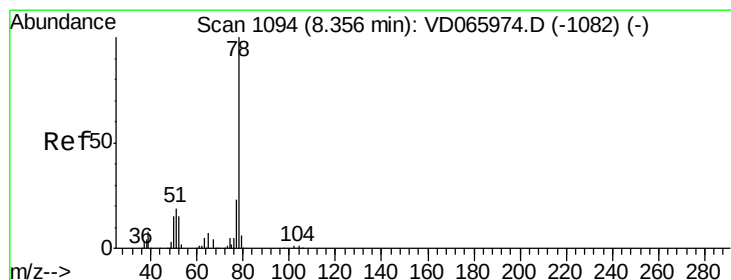
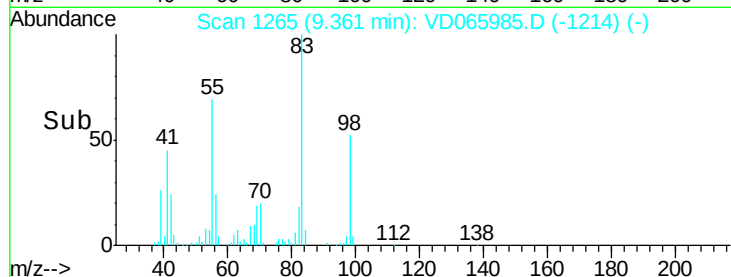
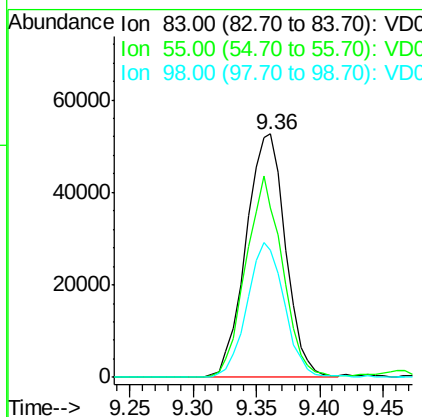
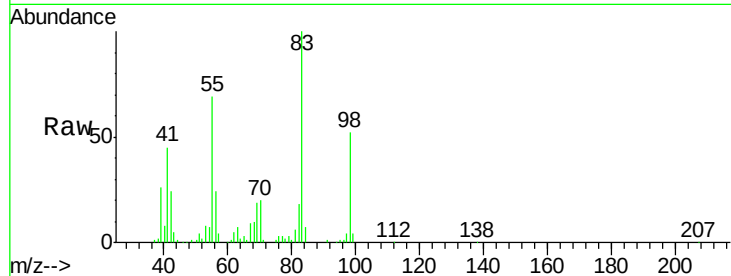
#39
Methylvlcyclohexane
Concen: 21.455 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	83	Resp	114207
Ion Ratio	Lower	Upper	
83	100		
55	69.4	57.3	85.9
98	52.0	41.0	61.6

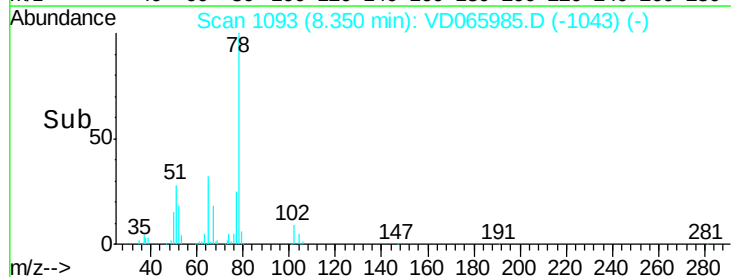
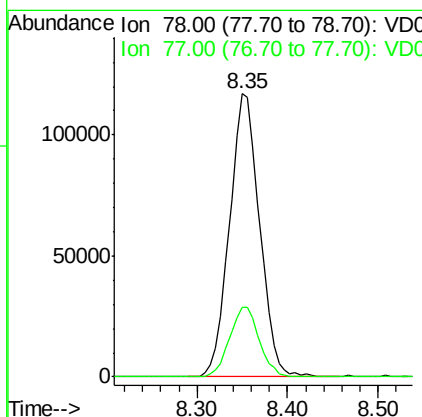
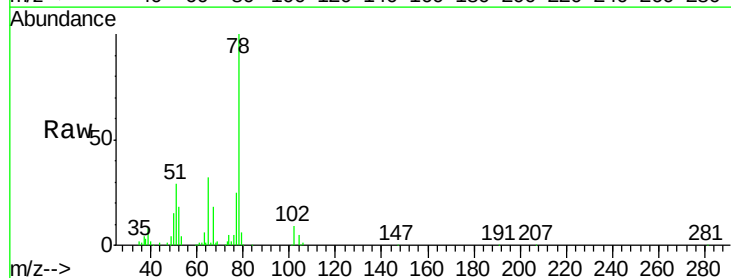
Manual Integrations
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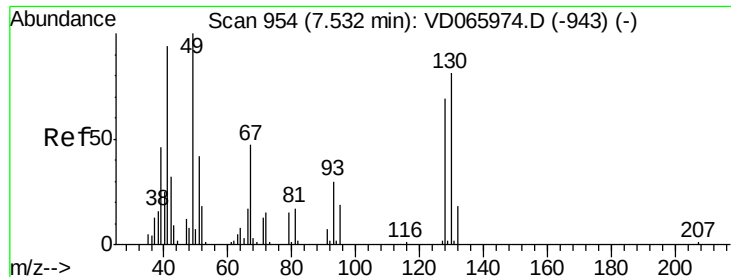
MMDadoda
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#40
Benzene
Concen: 21.969 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	78	Resp	270159
Ion Ratio	Lower	Upper	
78	100		
77	24.7	18.6	27.8





#41

Methacrylonitrile

Concen: 18.879 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

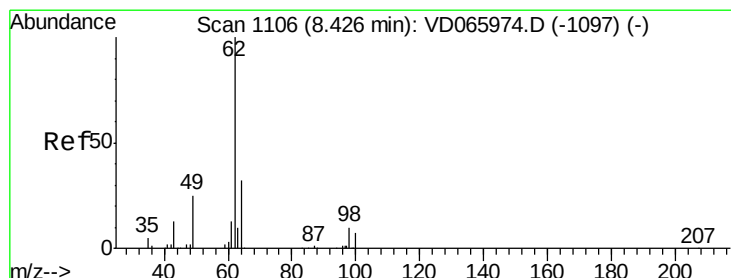
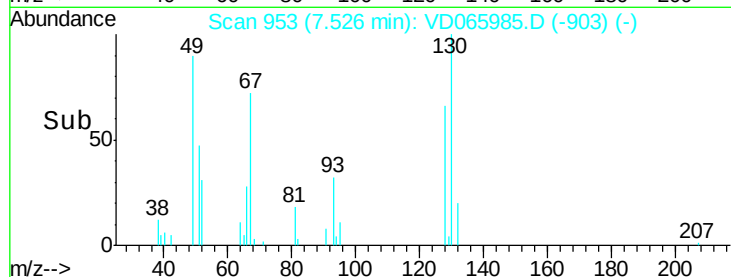
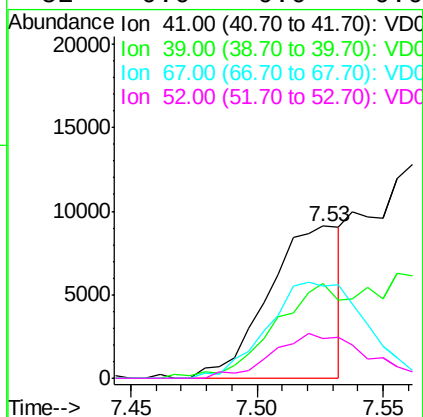
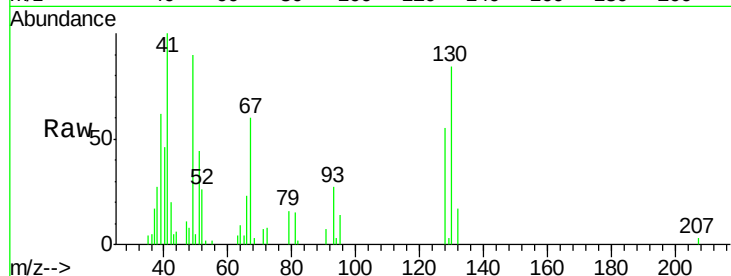
ClientSampleId :

VD0721SBS01

Tot Ion	41	Resp	18155
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 23.046 ug/l

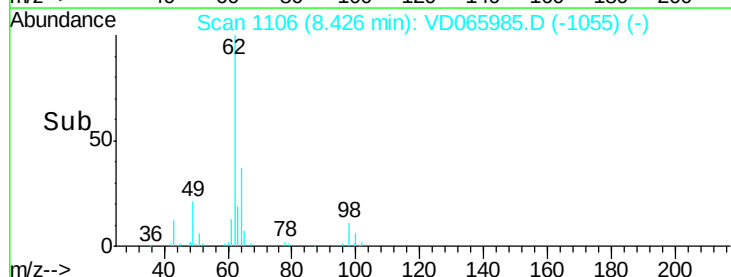
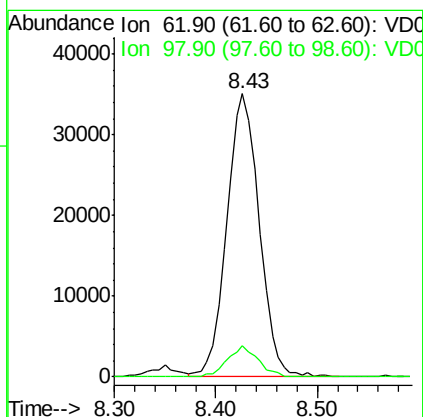
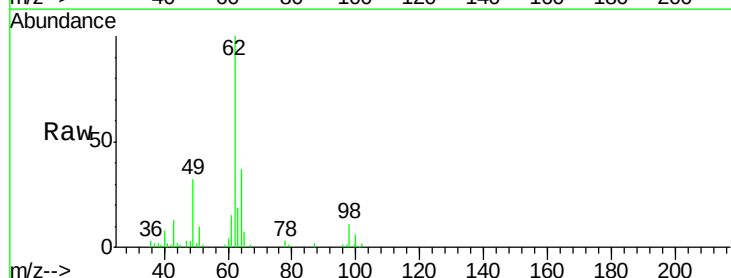
RT: 8.43 min Scan# 1106

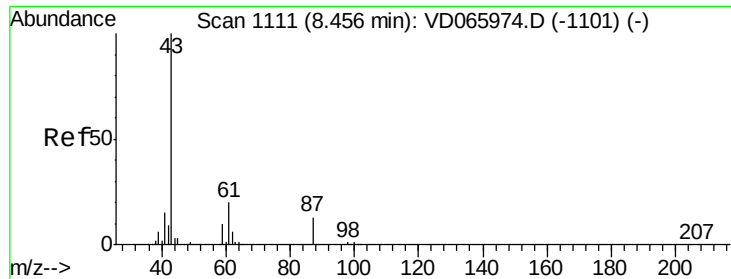
Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Tgt Ion	62	Resp	77659
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	21.0





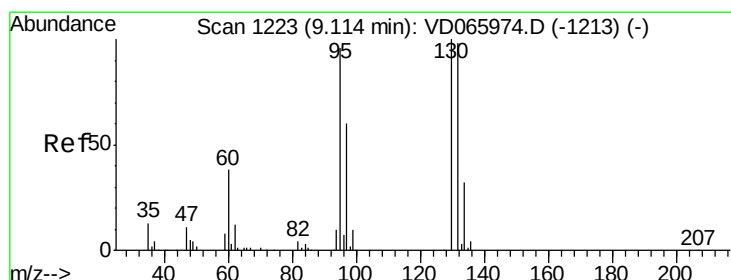
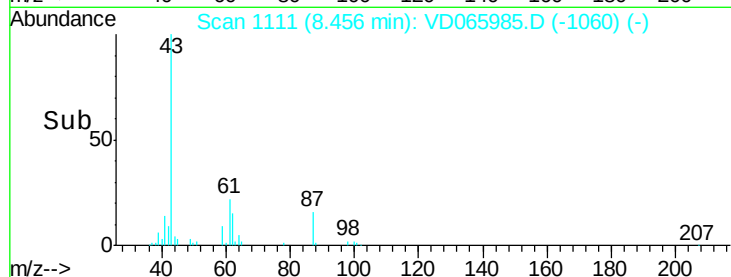
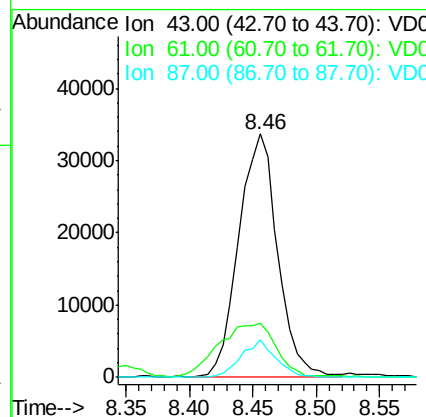
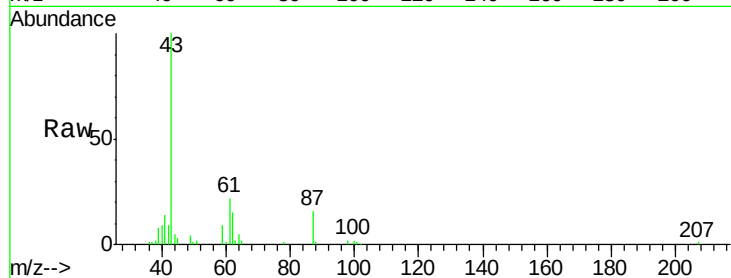
#43
Isopropyl Acetate
Concen: 21.974 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.2	25.8	38.8
87	13.6	10.9	16.3

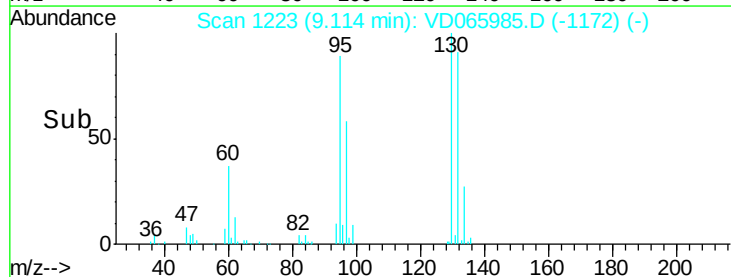
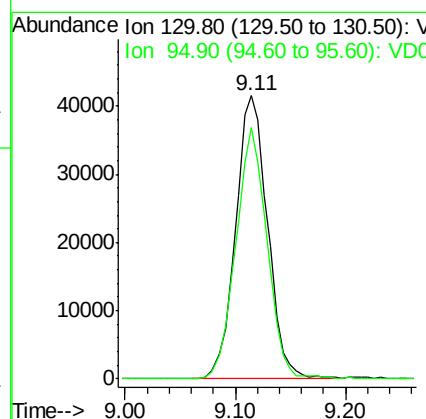
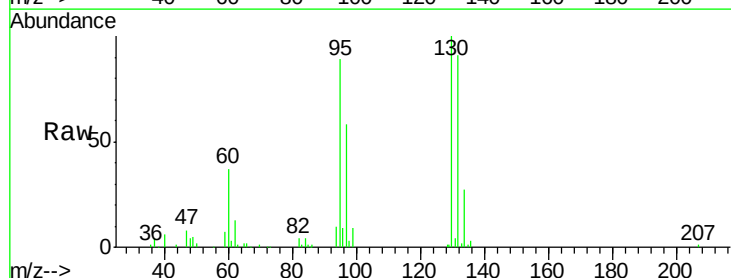
Manual Integrations
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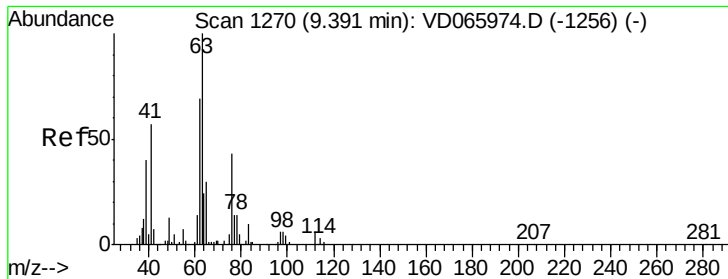
MMDadoda
7/22/2020 2:44:34 PM



#44
Trichloroethene
Concen: 22.655 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	191.6





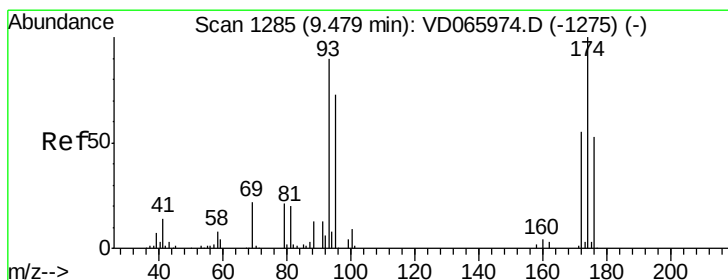
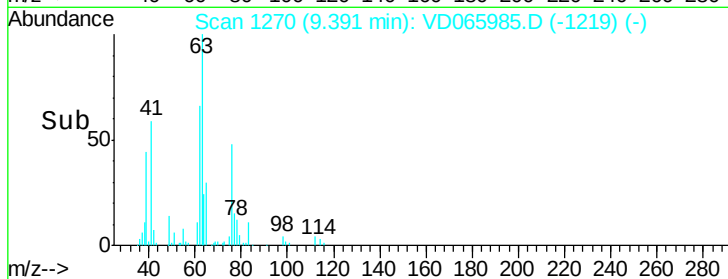
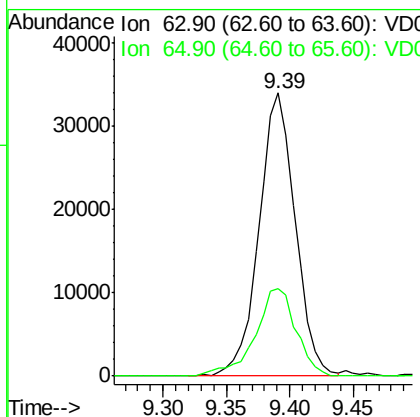
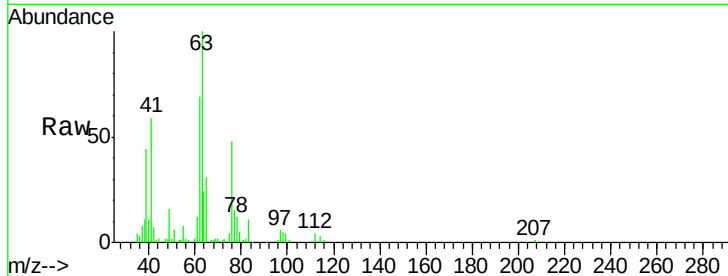
#45
 1,2-Dichloropropane
 Concen: 22.724 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion	63	Resp	67679
Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.0	36.0

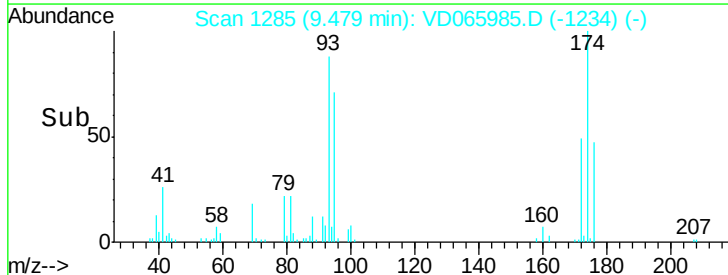
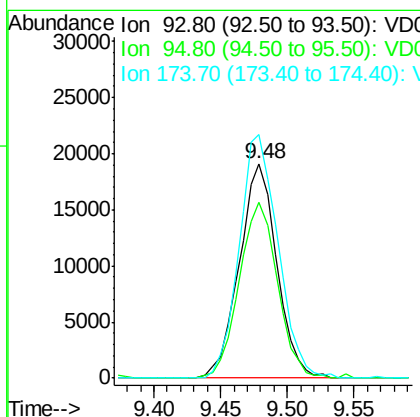
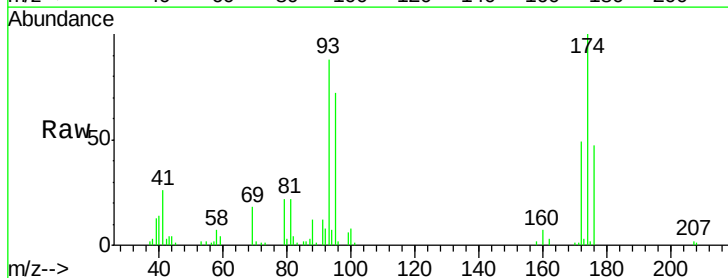
Manual Integrations
 APPROVED

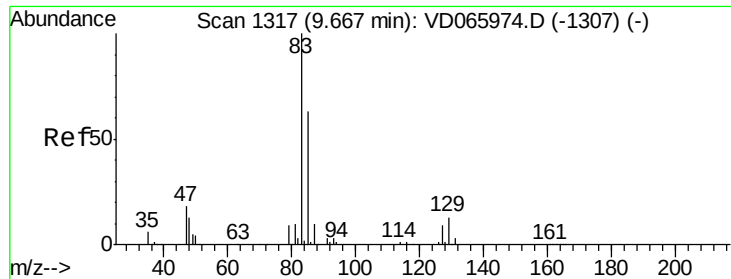
MMDadoda
 7/22/2020 2:44:34 PM



#46
 Dibromomethane
 Concen: 23.221 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion	93	Resp	37230
Ion	Ratio	Lower	Upper
93	100		
95	83.2	66.2	99.4
174	117.1	91.5	137.3





#47

Bromodichloromethane

Concen: 22.054 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

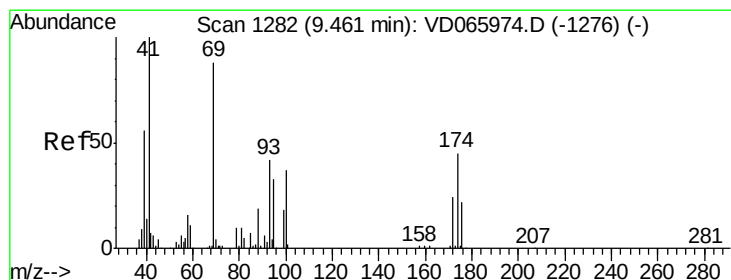
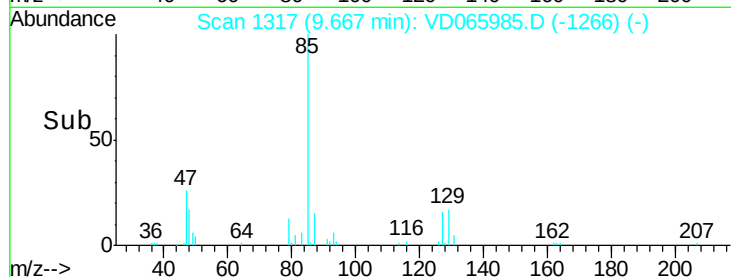
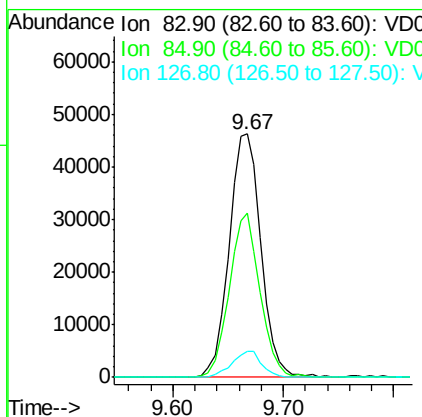
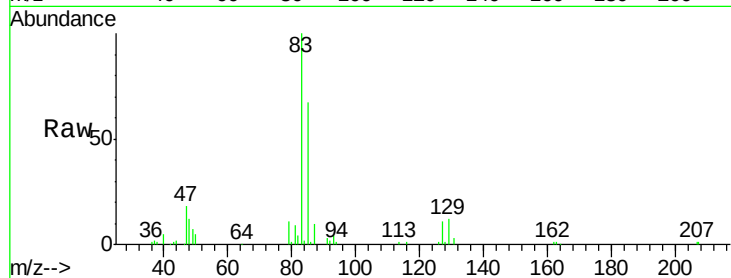
ClientSampleId :

VD0721SBS01

Tot Ion:	83	Resp:	93493
Ion	Ratio	Lower	Upper
83	100		
85	67.4	50.6	75.8
127	10.9	7.1	10.7#

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 21.800 ug/l

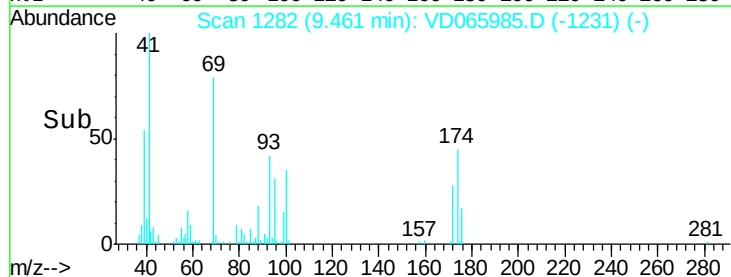
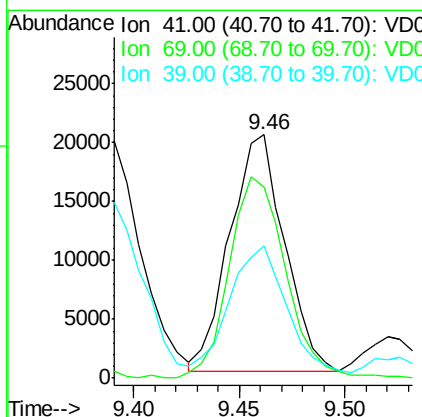
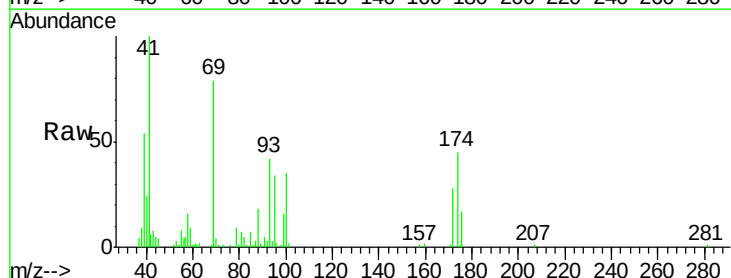
RT: 9.46 min Scan# 1282

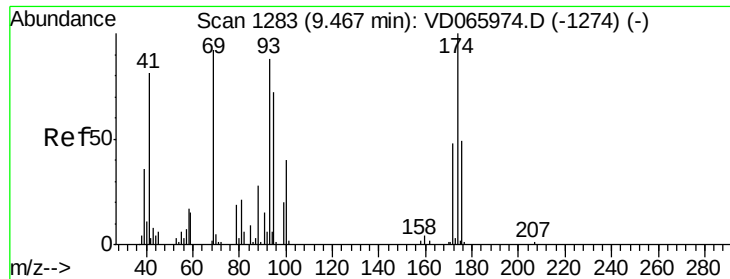
Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Tgt Ion:	41	Resp:	36054
Ion	Ratio	Lower	Upper
41	100		
69	88.1	65.1	97.7
39	54.8	41.5	62.3





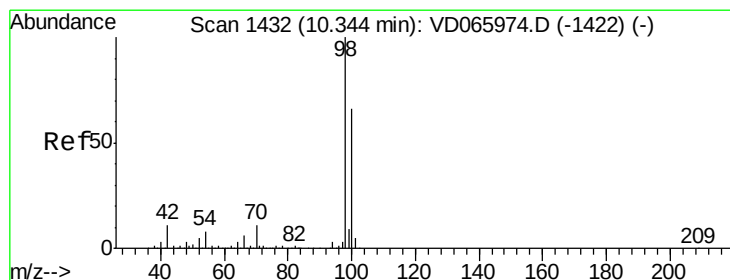
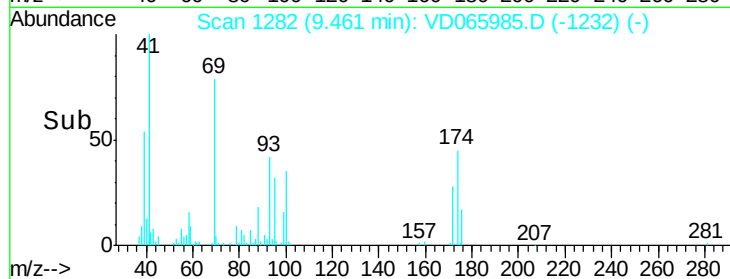
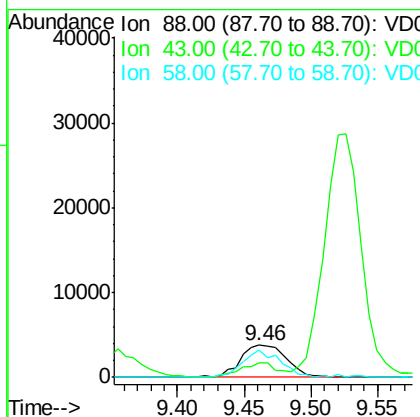
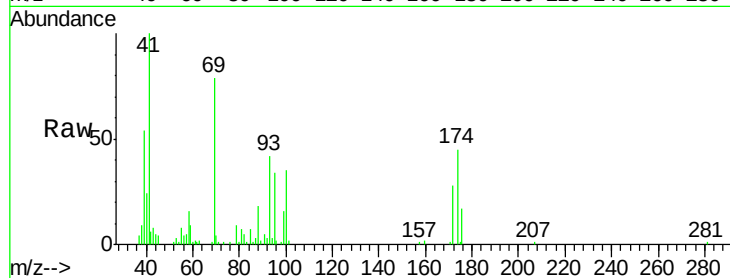
#49
1,4-Dioxane
Concen: 492.161 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	88	Resp	9142
Ion	Ratio	Lower	Upper
88	100		
43	37.4	29.0	43.6
58	68.6	57.0	85.4

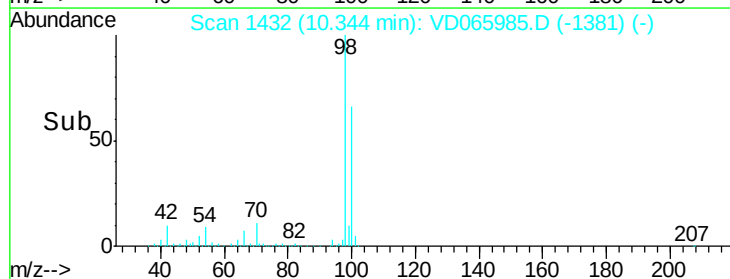
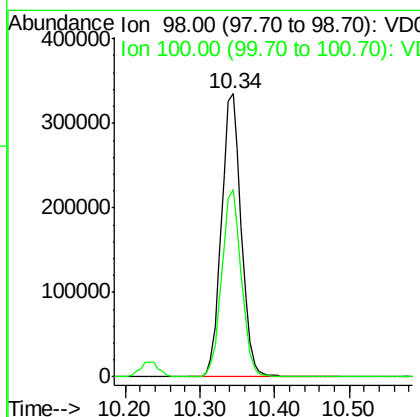
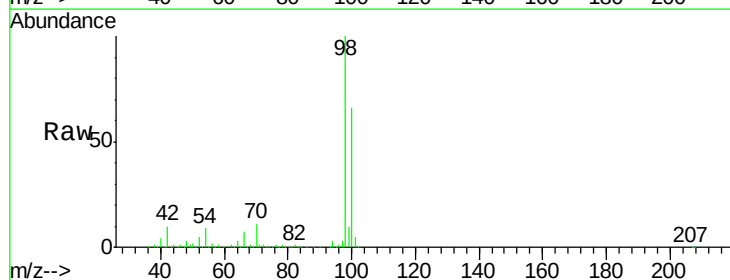
Manual Integrations
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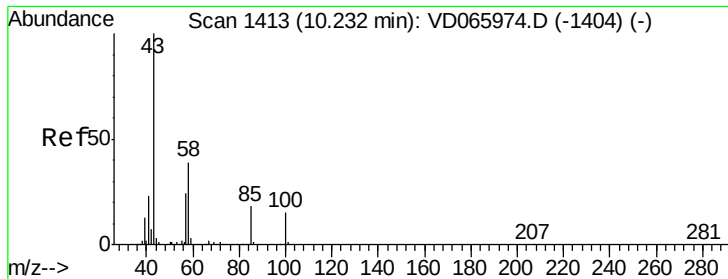
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#50
Toluene-d8
Concen: 53.147 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	98	Resp	618475
Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 114.592 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 43 Resp: 189303

Ion Ratio Lower Upper

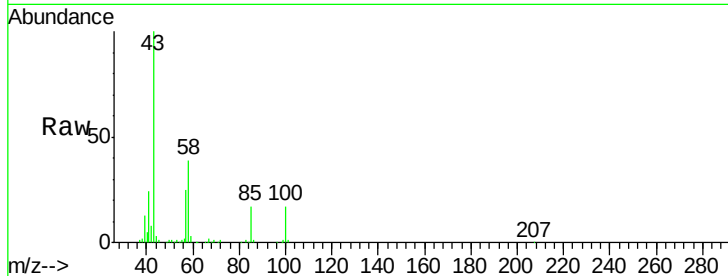
43 100

58 39.7 31.3 46.9

Manual Integrations
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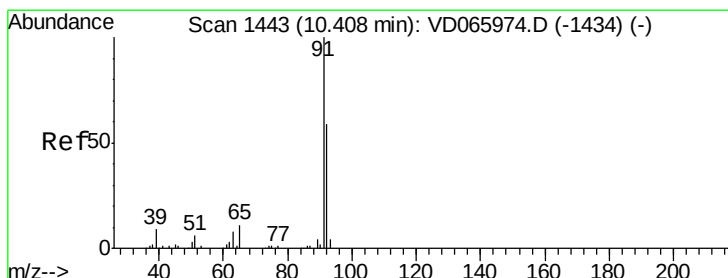
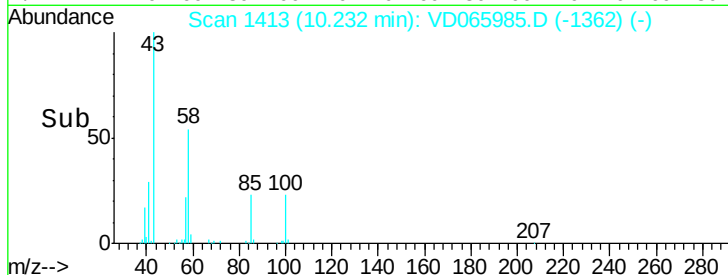
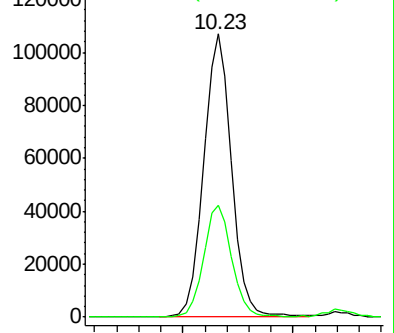
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 22.750 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065985.D

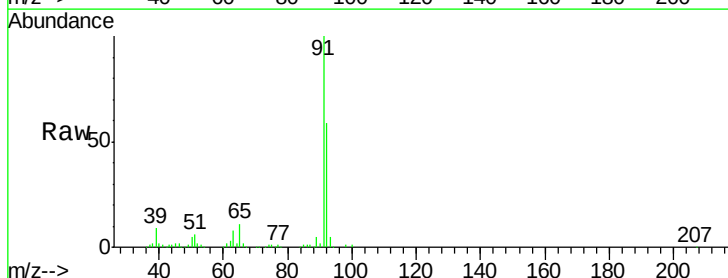
Acq: 21 Jul 2020 17:34

Tgt Ion: 92 Resp: 182444

Ion Ratio Lower Upper

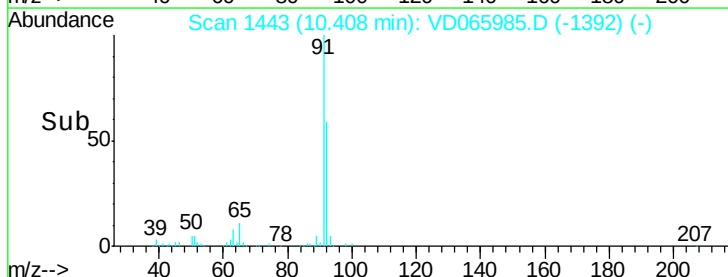
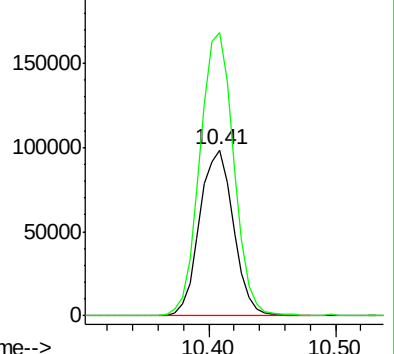
92 100

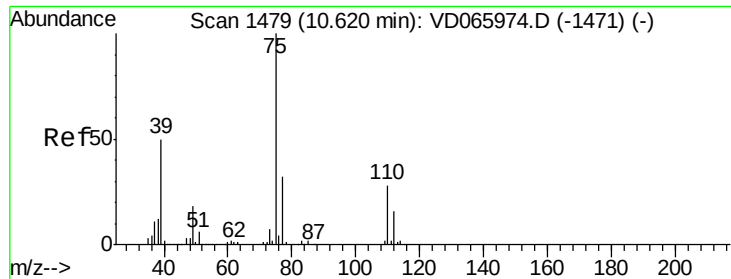
91 170.9 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





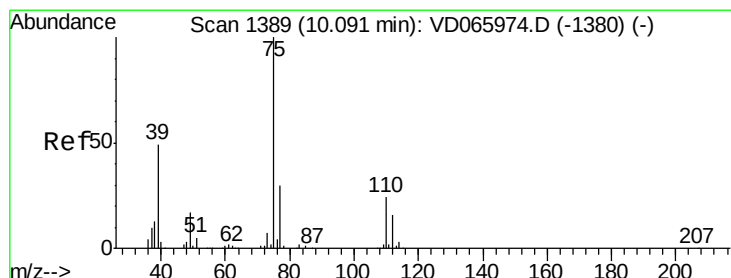
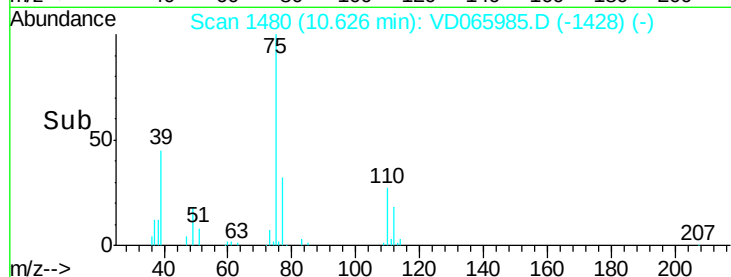
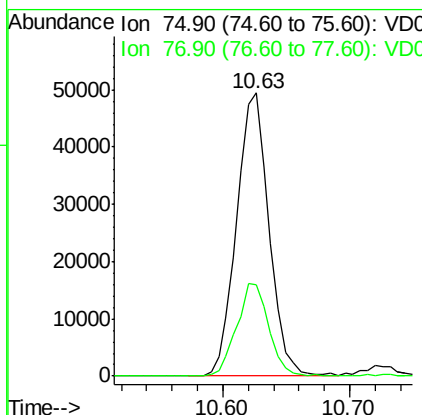
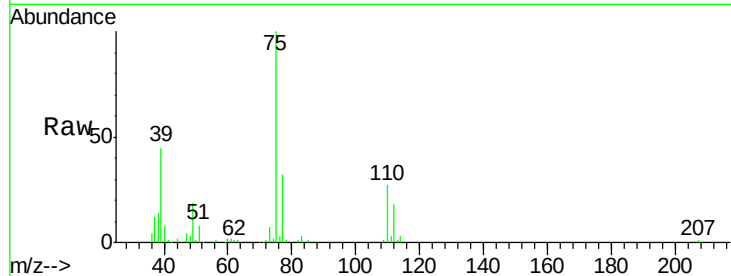
#53
 t-1,3-Dichloropropene
 Concen: 22.185 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion: 75 Resp: 87621
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6

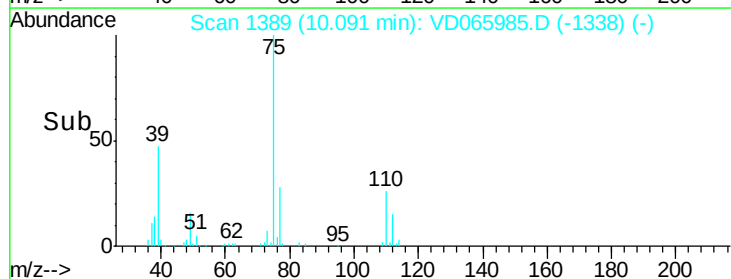
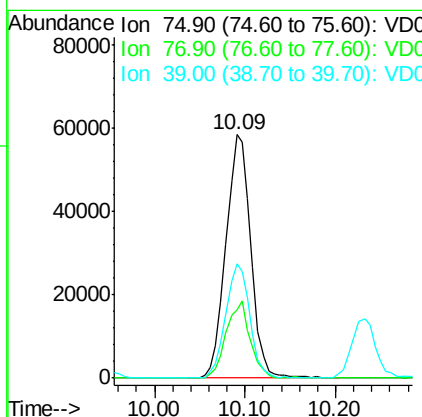
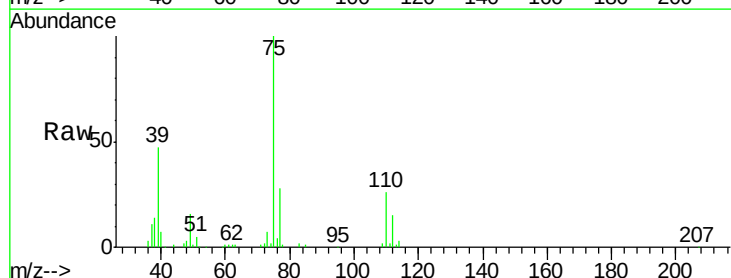
Manual Integrations
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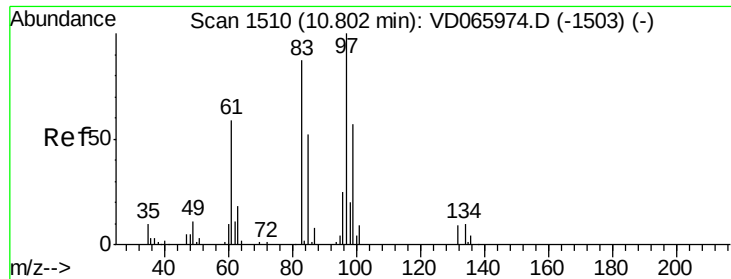
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#54
 cis-1,3-Dichloropropene
 Concen: 23.311 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion: 75 Resp: 111605
 Ion Ratio Lower Upper
 75 100
 77 28.2 23.8 35.8
 39 46.9 38.8 58.2





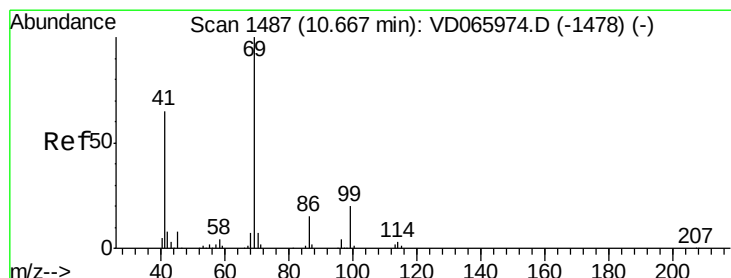
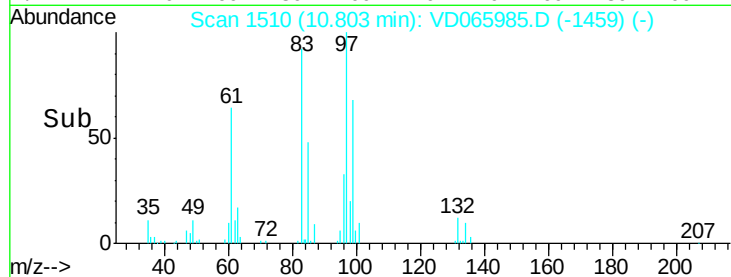
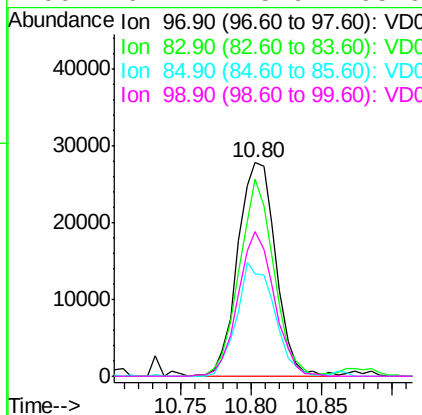
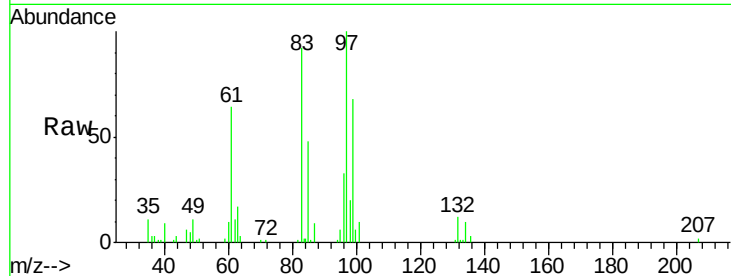
#55
 1,1,2-Trichloroethane
 Concen: 23.074 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	92.0	69.7	104.5
85	47.9	41.6	62.4
99	67.7	45.9	68.9

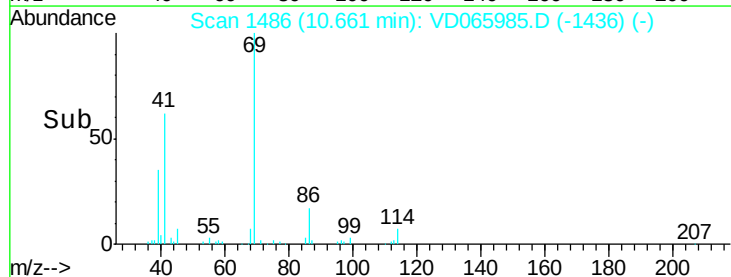
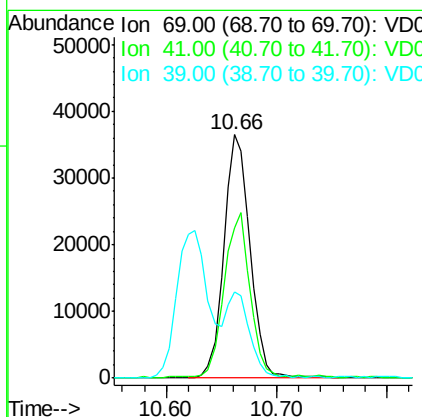
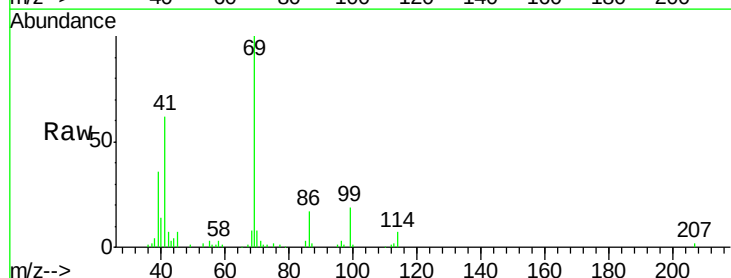
Manual Integrations
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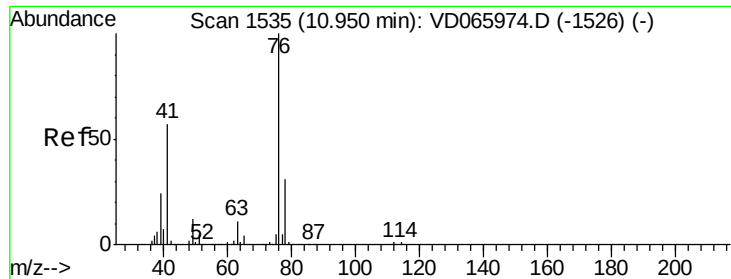
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 7/22/2020 2:44:34 PM



#56
 Ethyl methacrylate
 Concen: 22.875 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.5	52.3	78.5
39	31.2	25.2	37.8





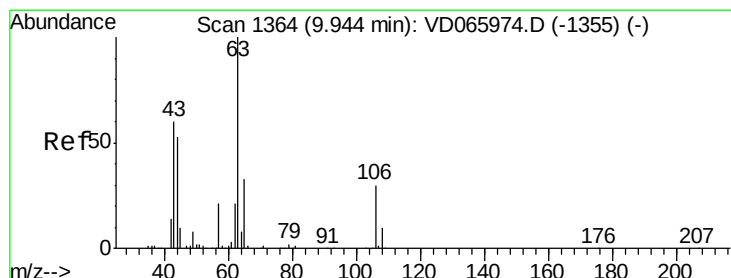
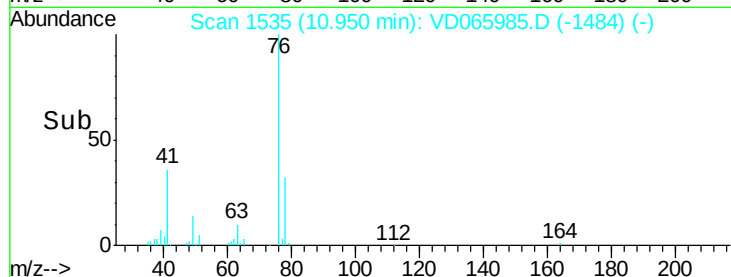
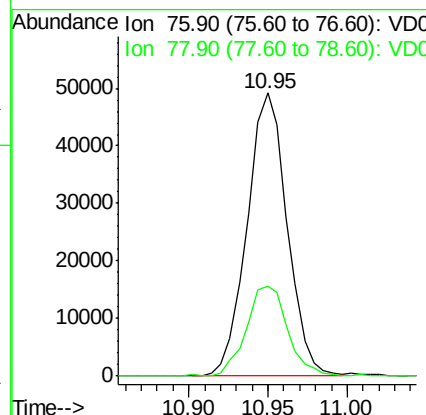
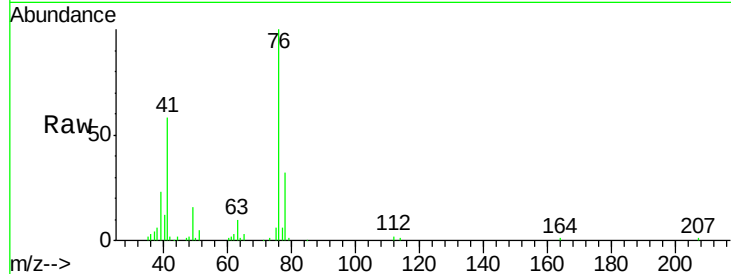
#57
 1,3-Dichloropropane
 Concen: 22.944 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	25.6	38.4

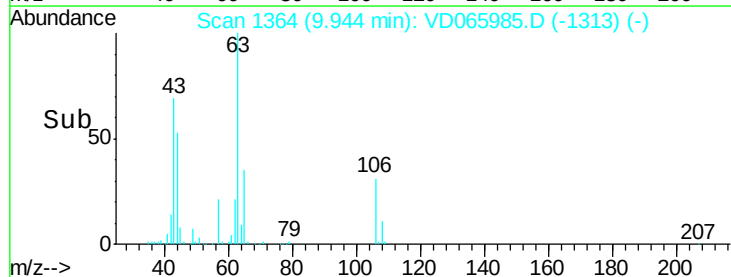
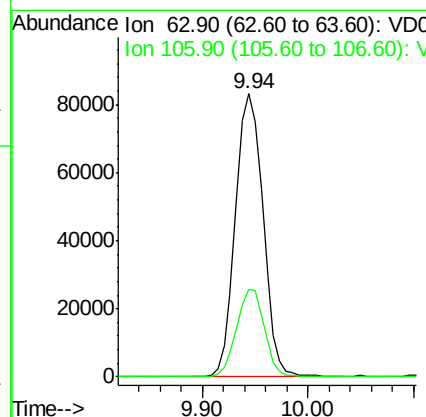
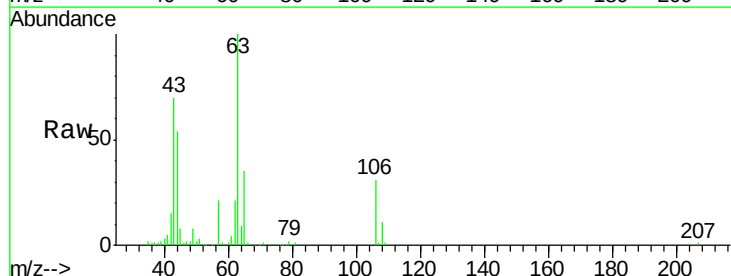
Manual Integrations
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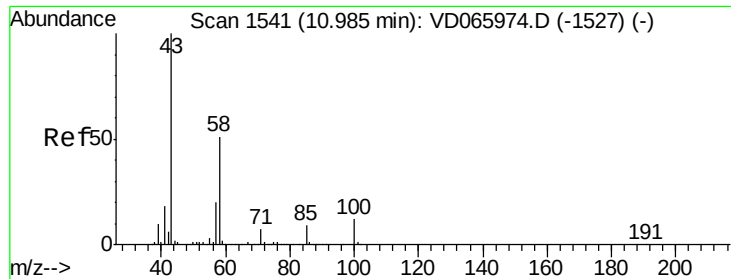
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#58
 2-Chloroethyl Vinyl ether
 Concen: 119.401 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.9	24.4	36.6





#59

2-Hexanone

Concen: 114.322 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBSD01

Tot Ion: 43 Resp: 130876

Ion Ratio Lower Upper

43 100

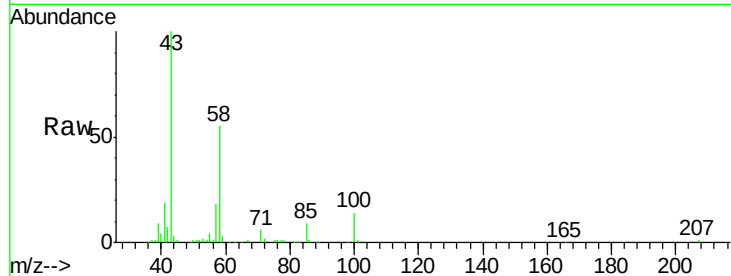
58 54.2 26.2 78.6

Manual Integrations

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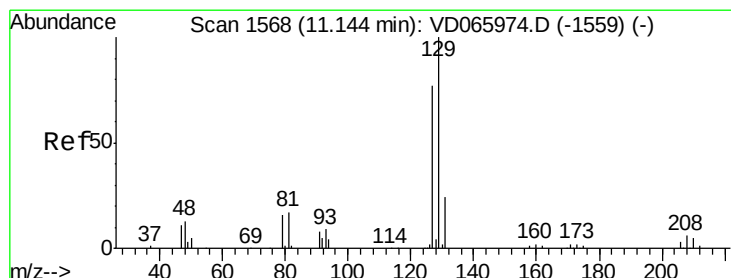
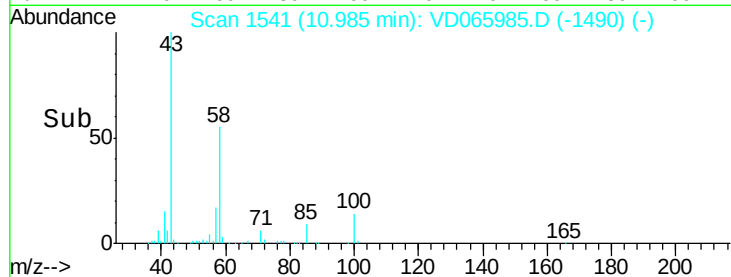
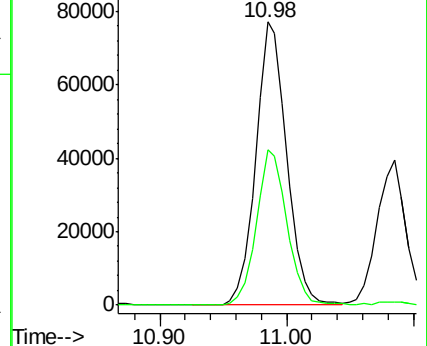
MMDadoda

7/22/2020 2:44:34 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 23.303 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD065985.D

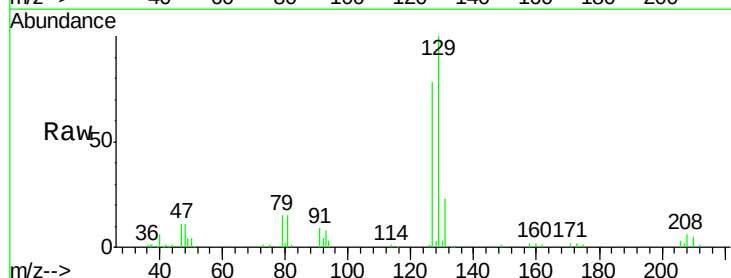
Acq: 21 Jul 2020 17:34

Tgt Ion:129 Resp: 71446

Ion Ratio Lower Upper

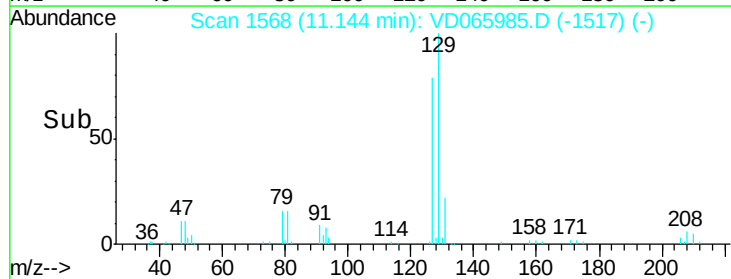
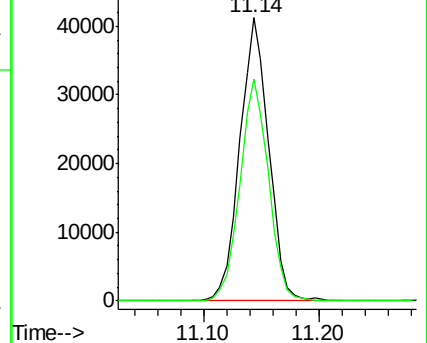
129 100

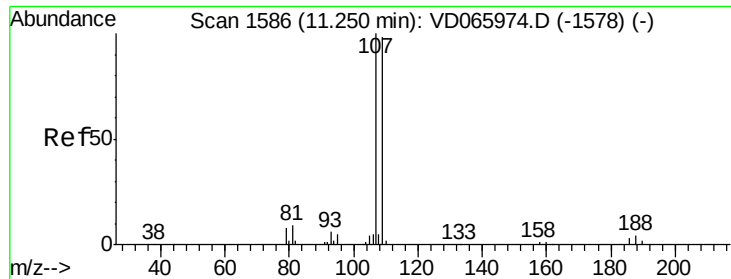
127 77.2 38.6 115.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





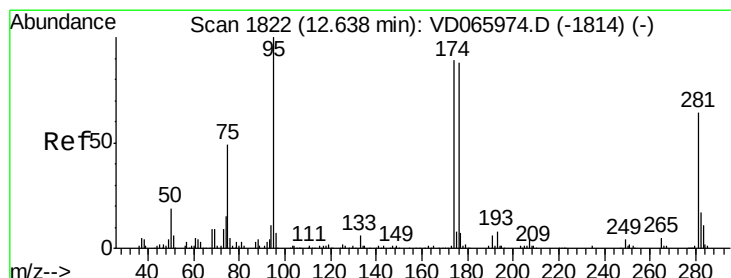
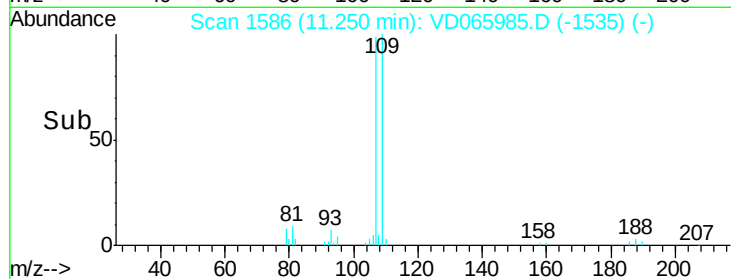
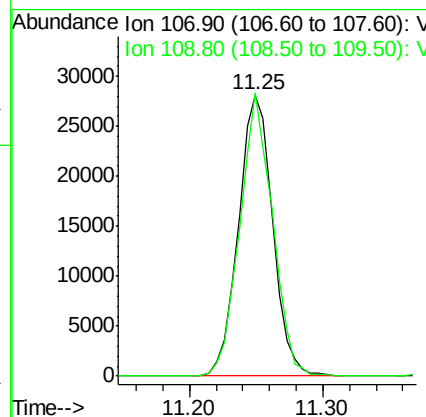
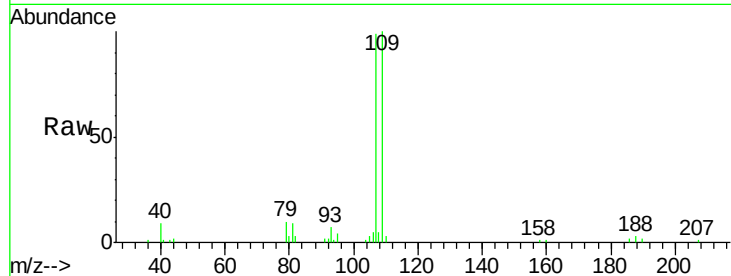
#61
 1,2-Dibromoethane
 Concen: 22.709 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.0	112.4

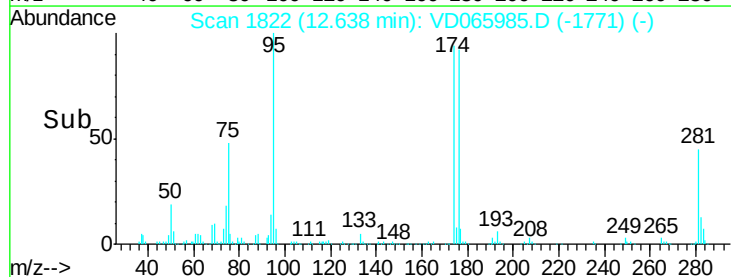
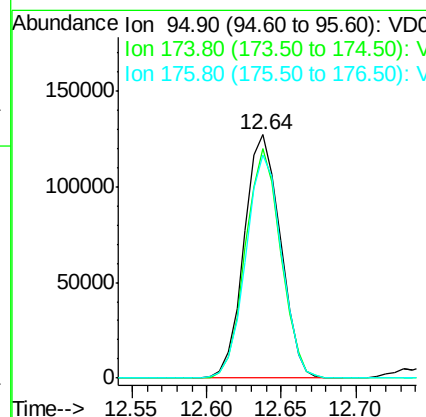
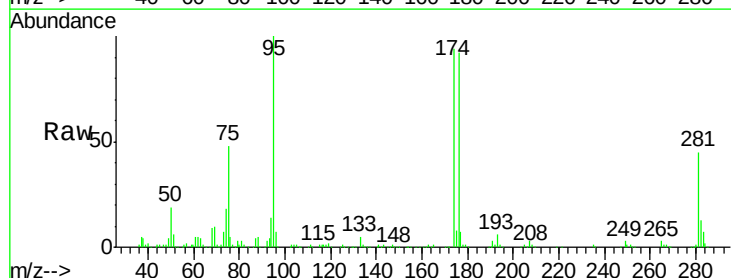
Manual Integrations
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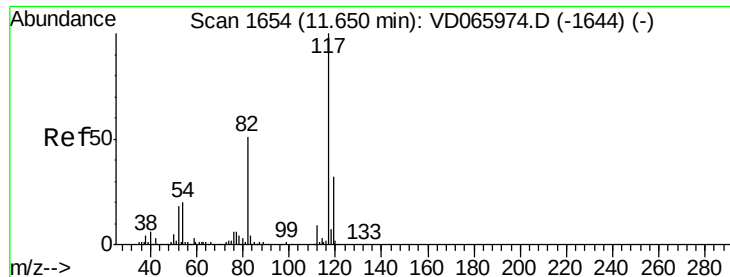
MMDadoda
 7/22/2020 2:44:34 PM



#62
 4-Bromofluorobenzene
 Concen: 53.057 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	178.8
176	90.2	0.0	172.6





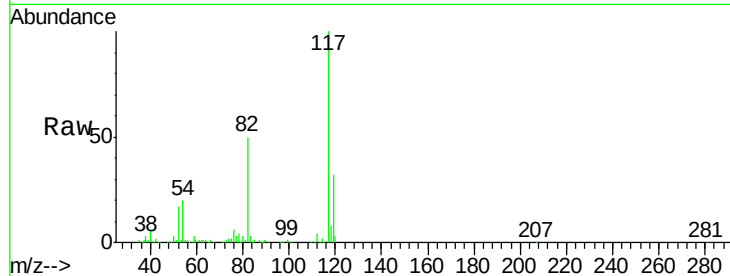
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	482995		
82	49.7		41.1	61.7
119	31.9		25.9	38.9

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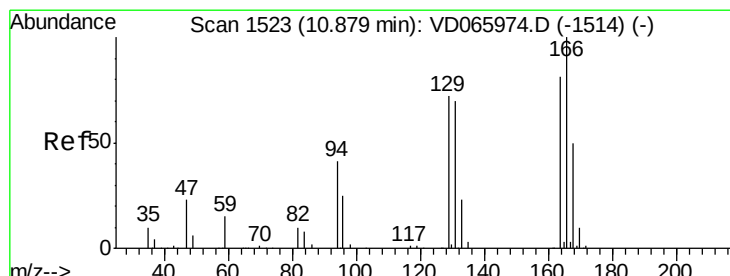
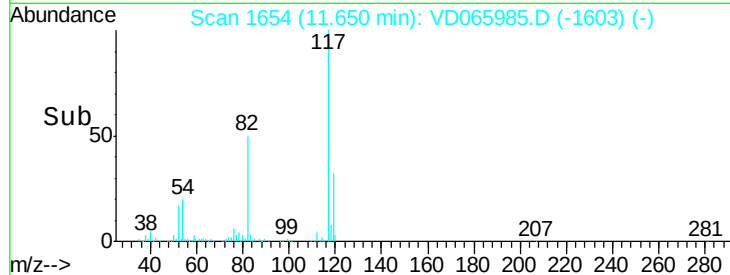
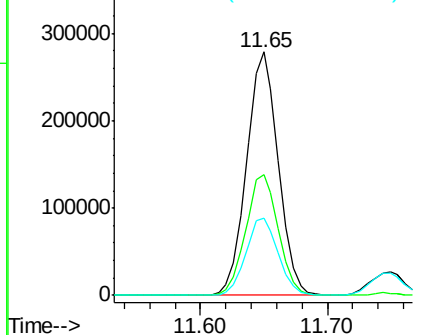


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 22.132 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	72555		
166	122.3		99.1	148.7
129	83.8		71.5	107.3
131	83.5		69.8	104.6

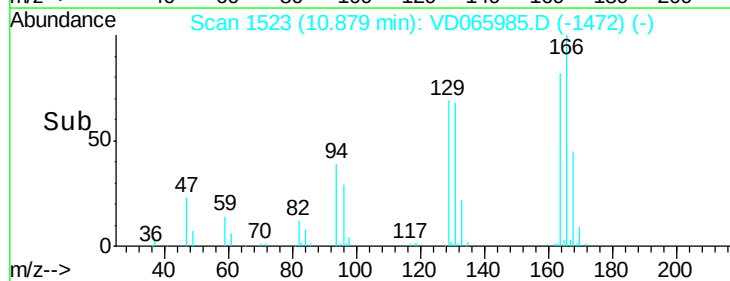
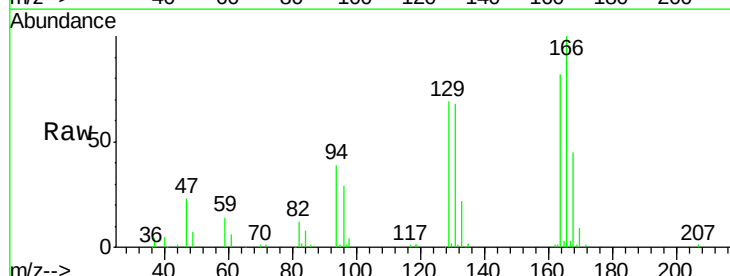
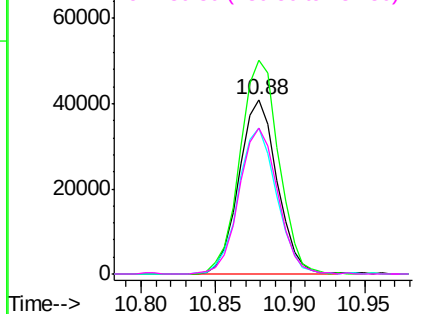
Abundance

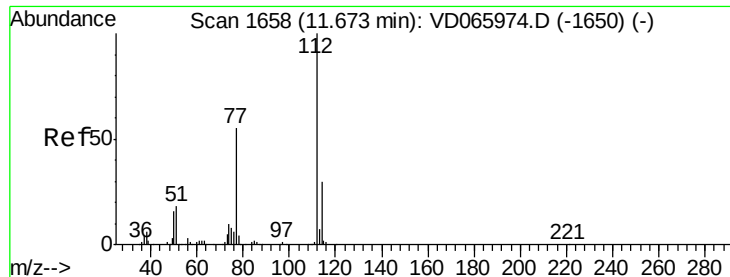
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





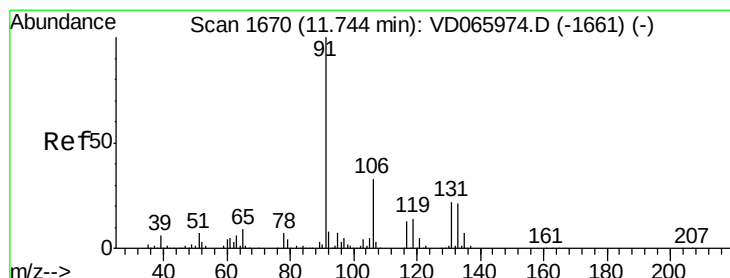
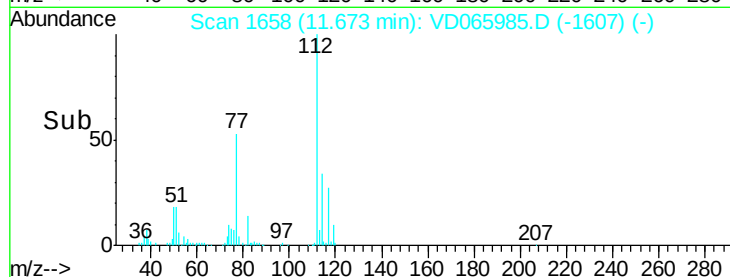
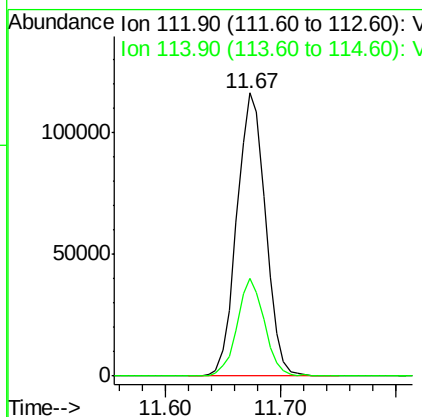
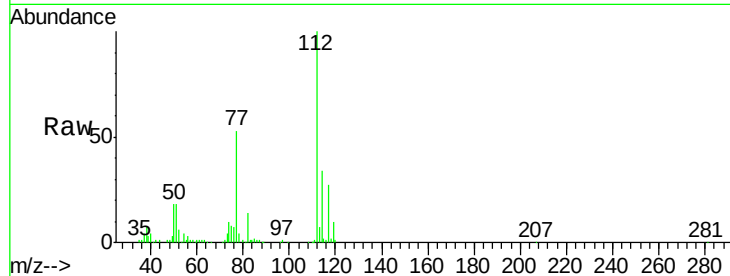
#65
Chlorobenzene
Concen: 22.623 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.4	24.4	36.6

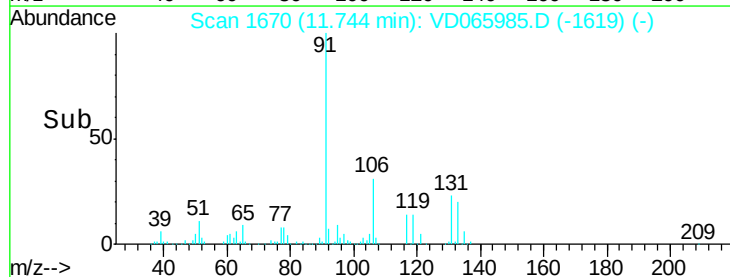
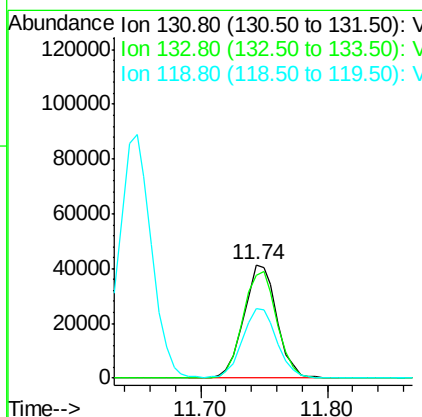
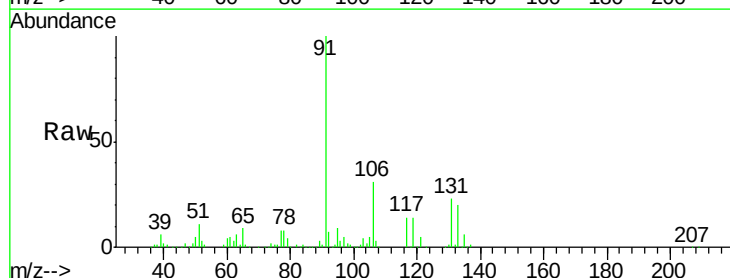
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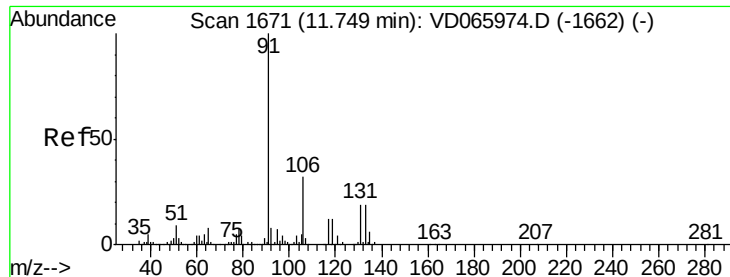
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.922 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.3	47.3	142.0
119	64.0	31.7	95.1





#67

Ethyl Benzene

Concen: 22.068 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 91 Resp: 335841

Ion Ratio Lower Upper

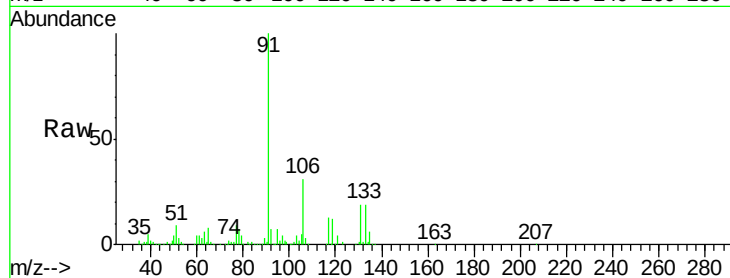
91 100

106 31.0 25.7 38.5

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD065974.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD065974.D (-1662) (-)

250000

200000

150000

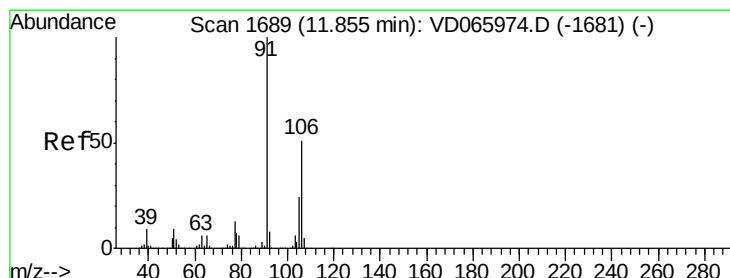
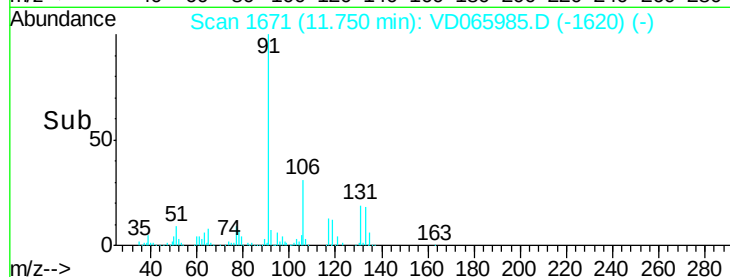
100000

50000

0

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 46.516 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD065985.D

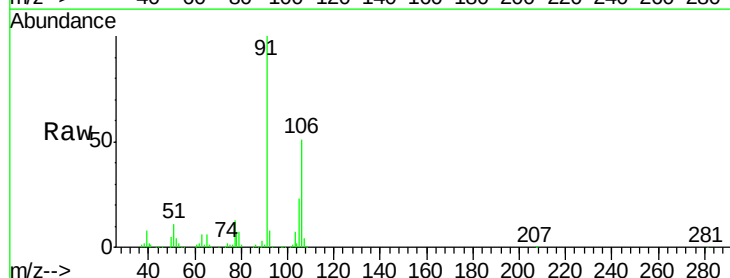
Acq: 21 Jul 2020 17:34

Tgt Ion: 106 Resp: 272091

Ion Ratio Lower Upper

106 100

91 191.5 157.0 235.6



Abundance Ion 106.00 (105.70 to 106.70): VD065974.D (-1681) (-)

Ion 91.00 (90.70 to 91.70): VD065974.D (-1681) (-)

300000

250000

200000

150000

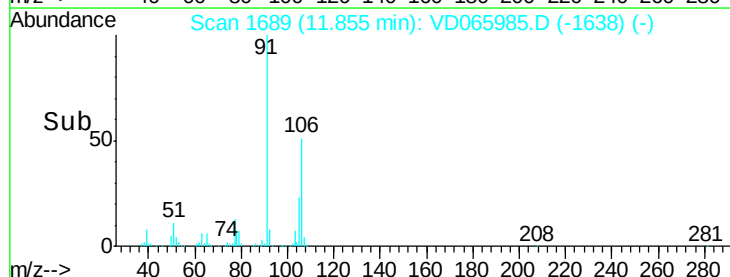
100000

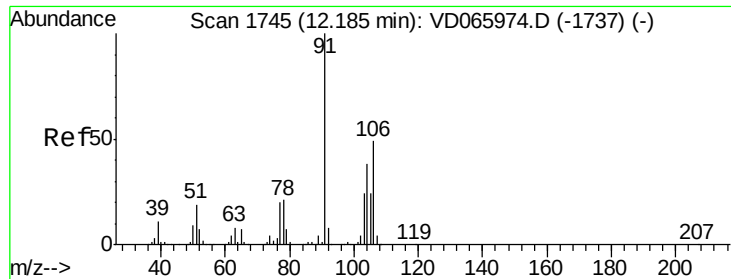
50000

0

11.80 11.85 11.90

Time-->





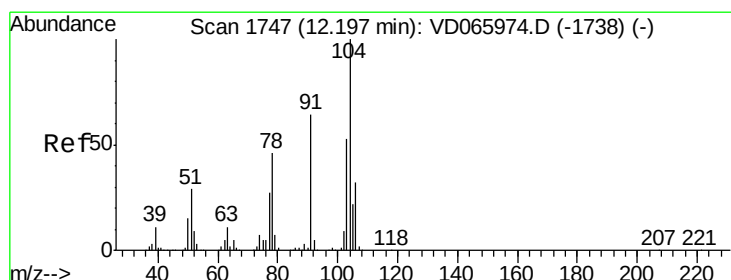
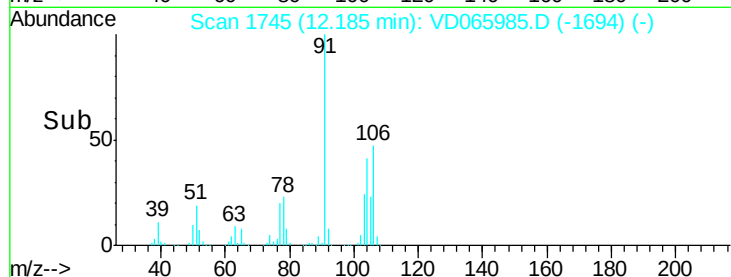
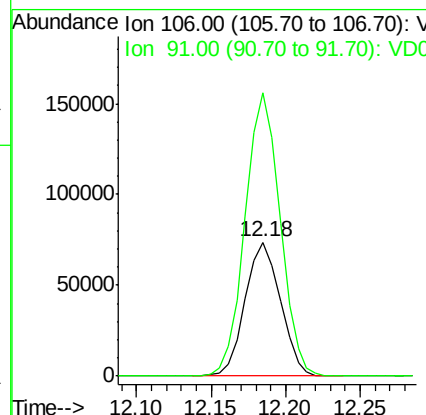
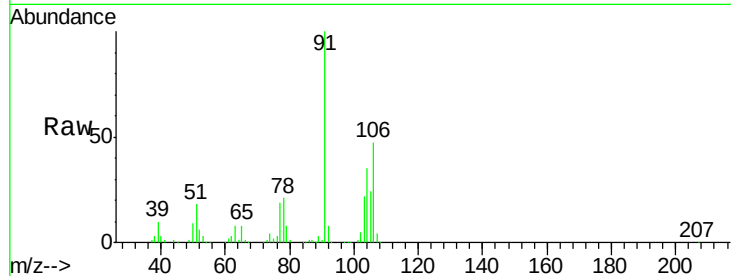
#69
o-Xylene
Concen: 22.800 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	121300		
91	91	209.0	103.1	309.3	

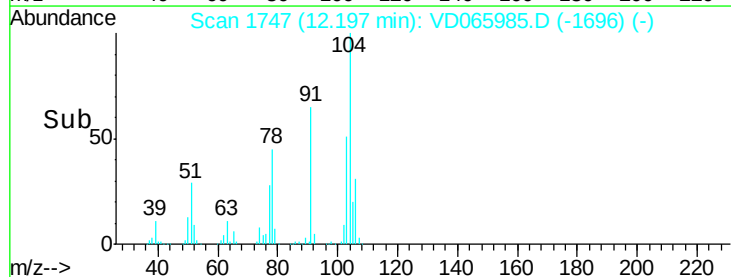
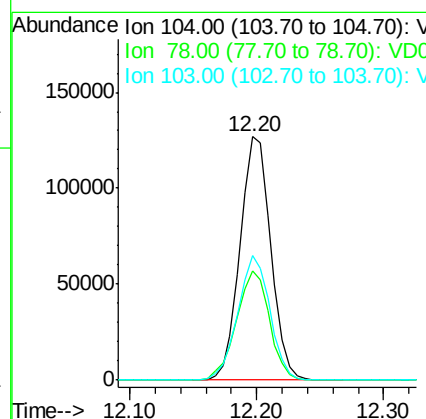
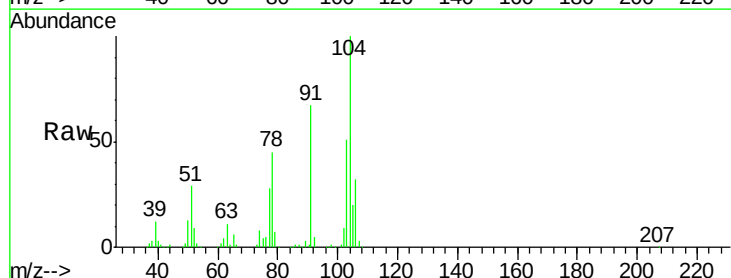
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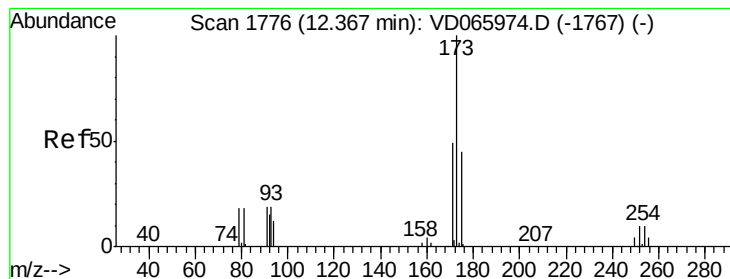
MMDadoda
7/22/2020 2:44:34 PM



#70
Styrene
Concen: 23.277 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	212776		
78	78	48.0	38.3	57.5	
103	103	53.7	43.8	65.8	





#71

Bromoform

Concen: 22.316 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion:173 Resp: 42684

Ion Ratio Lower Upper

173 100

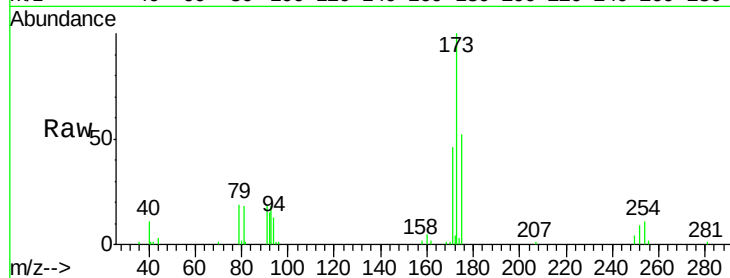
175 51.2 24.1 72.3

254 0.0 0.0 0.0

Manual Integrations
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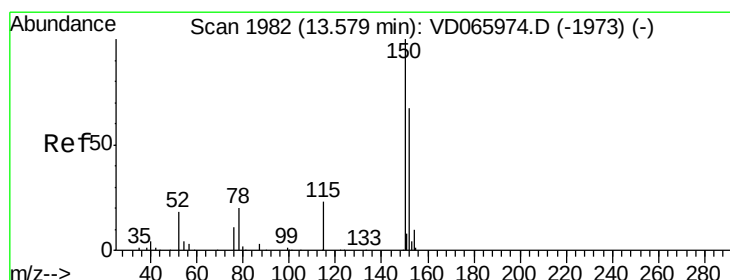
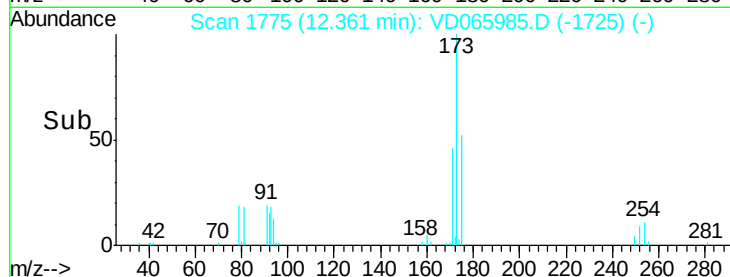
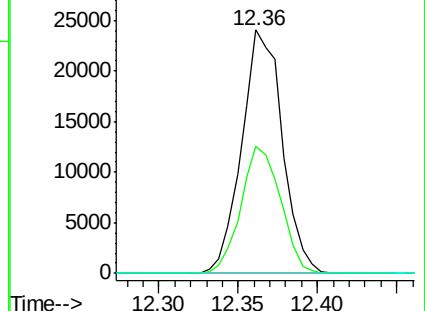
7/22/2020 2:44:34 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

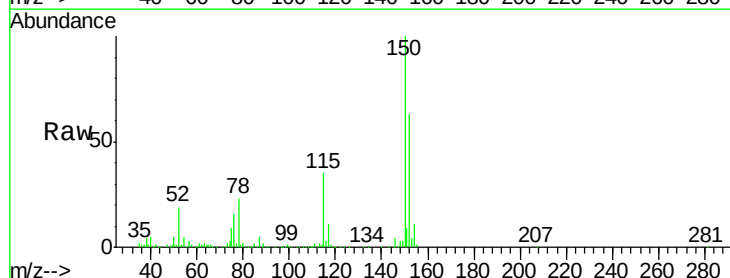
Tgt Ion:152 Resp: 244242

Ion Ratio Lower Upper

152 100

115 55.0 27.9 83.7

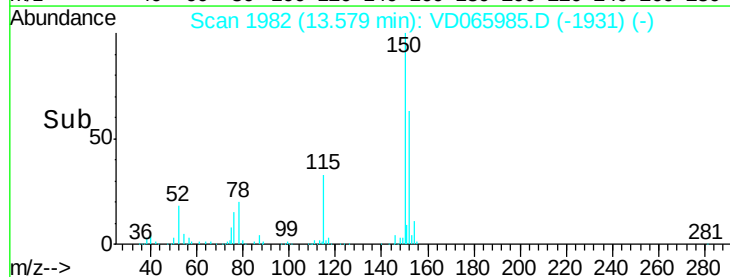
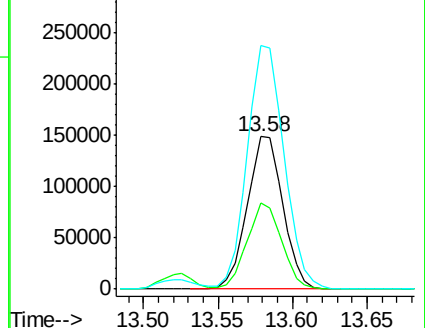
150 166.4 0.0 348.2

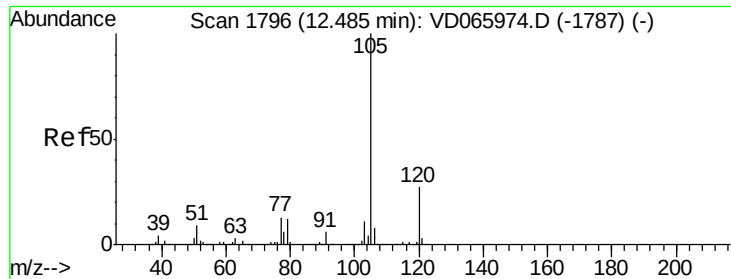


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.860 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion:105 Resp: 323072

Ion Ratio Lower Upper

105 100

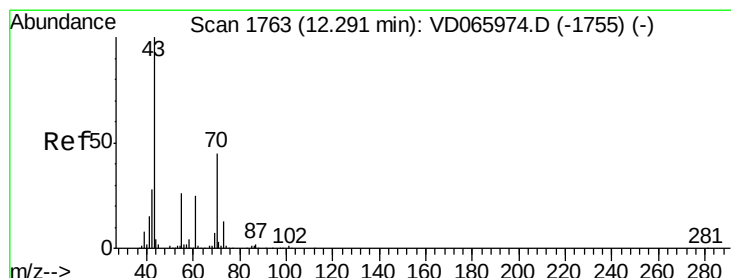
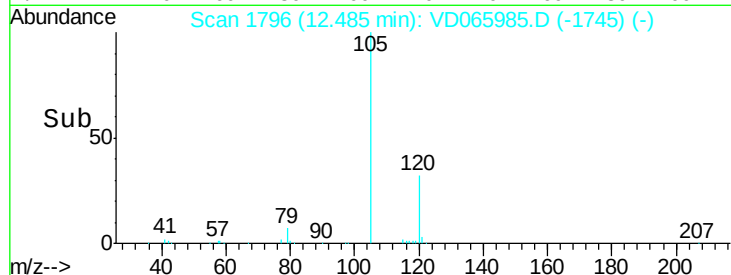
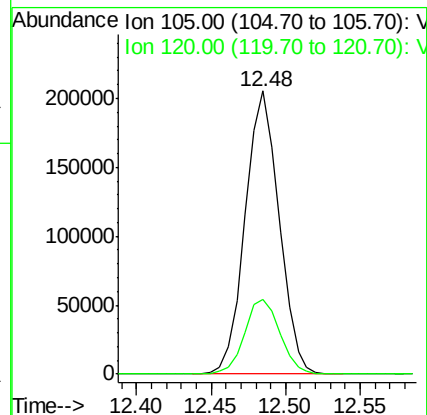
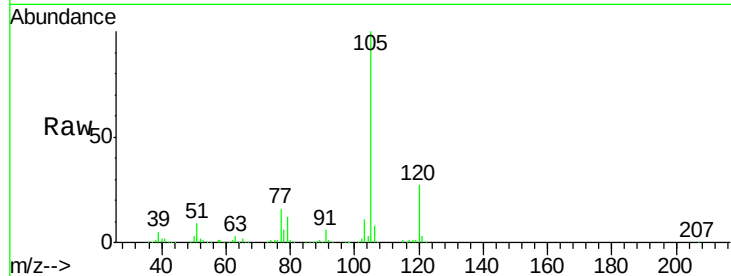
120 27.3 13.6 40.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 22.764 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Tgt Ion: 43 Resp: 69755

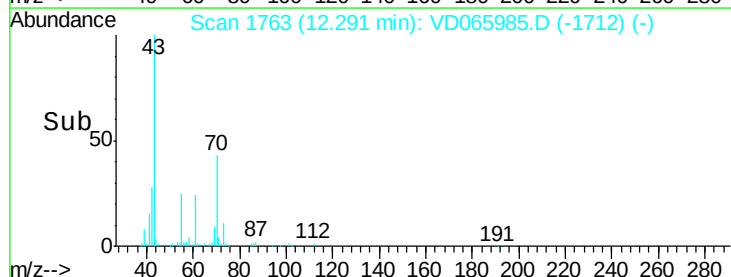
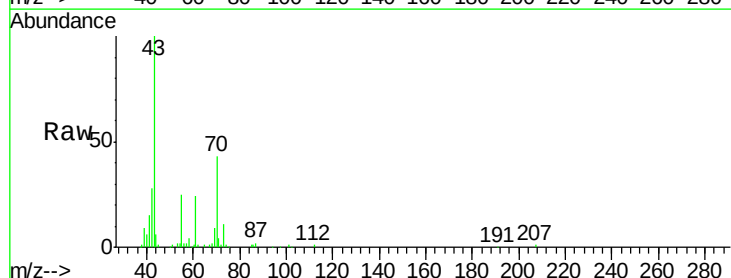
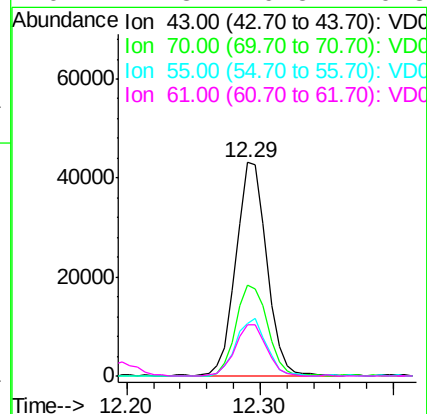
Ion Ratio Lower Upper

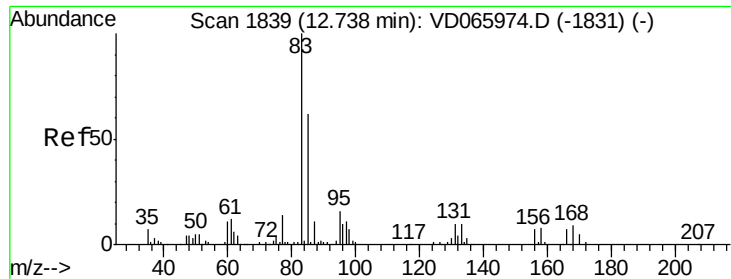
43 100

70 43.5 34.6 51.8

55 26.5 20.3 30.5

61 24.3 19.5 29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 23.081 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

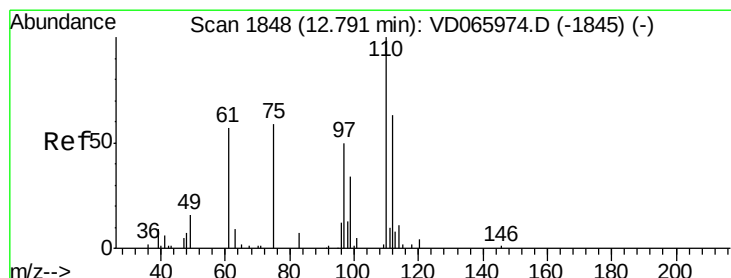
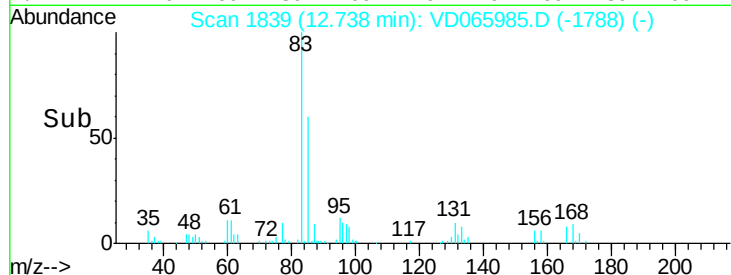
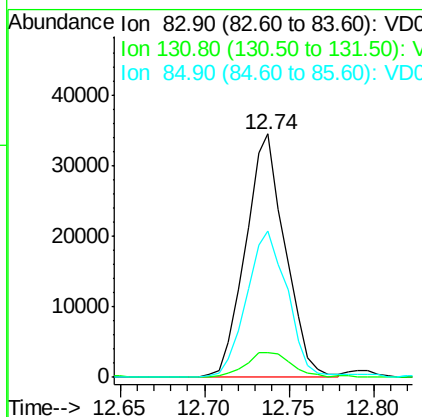
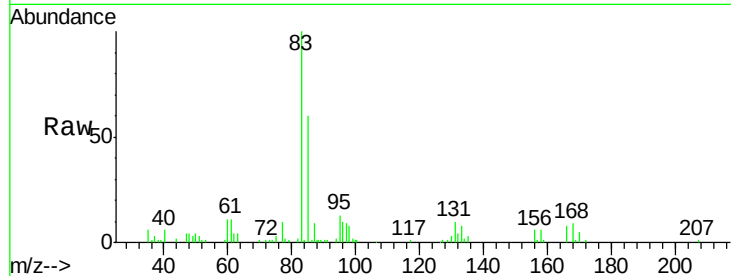
ClientSampleId :

VD0721SBS01

Tot Ion:	83	Resp:	56374
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.7	17.1
85	62.9	31.9	95.5

Manual Integrations
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7/22/2020 2:44:34 PM



#76

1,2,3-Trichloropropane

Concen: 21.972 ug/l m

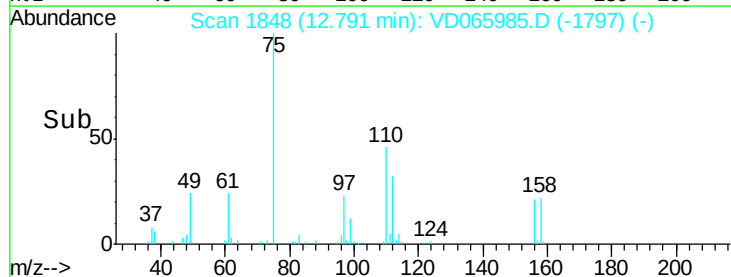
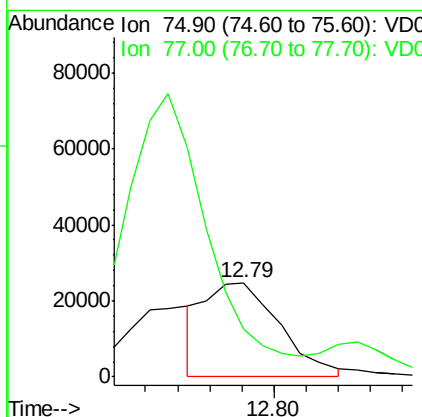
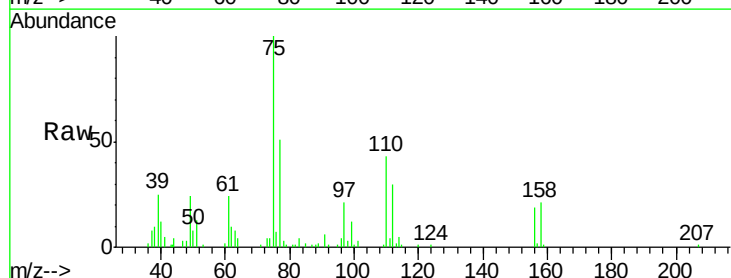
RT: 12.79 min Scan# 1848

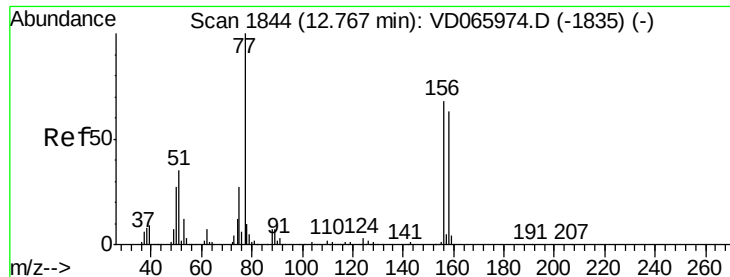
Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Tgt Ion:	75	Resp:	40406
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.463 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

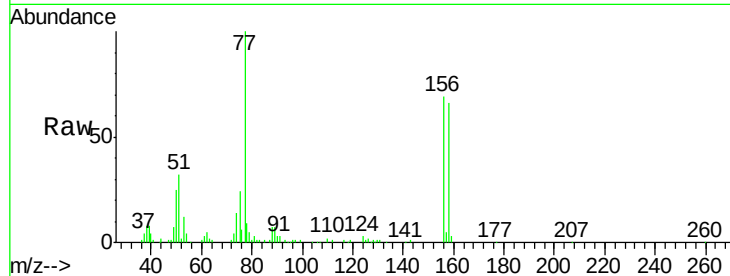
ClientSampleId :

VD0721SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.7	83.0	249.0
158	99.6	48.2	144.6

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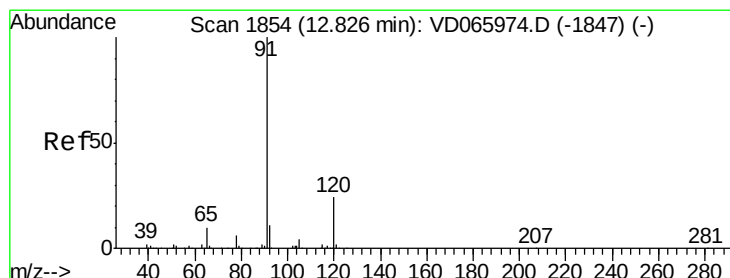
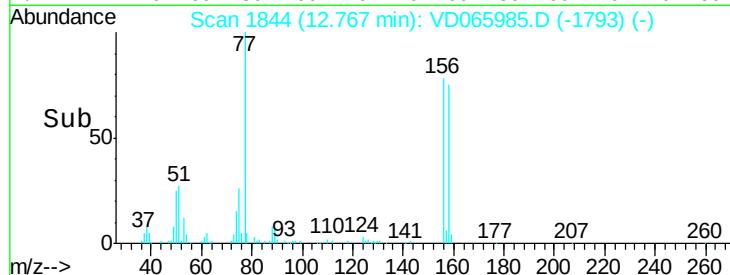
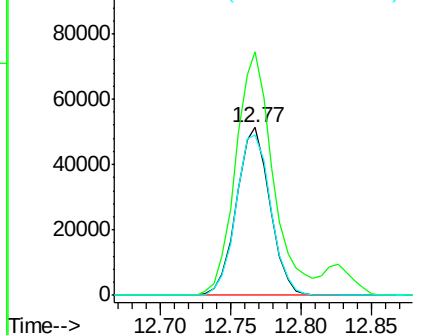
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.483 ug/l

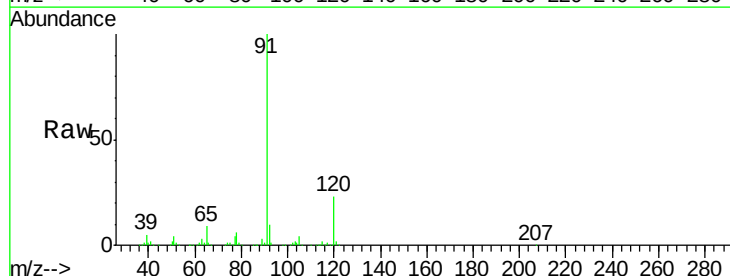
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065985.D

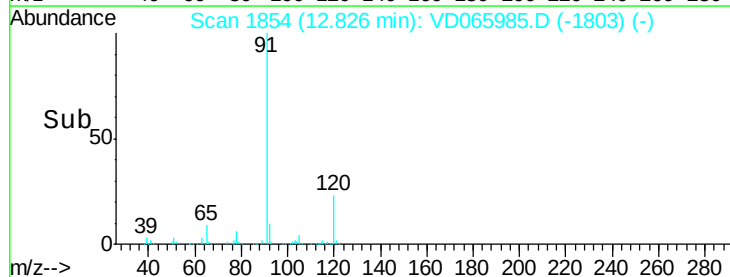
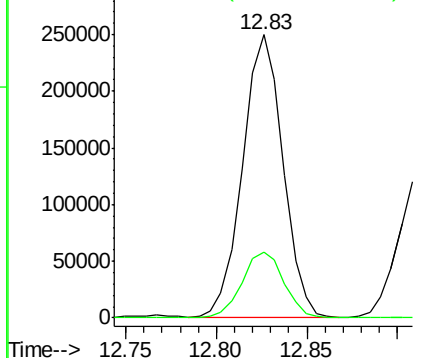
Acq: 21 Jul 2020 17:34

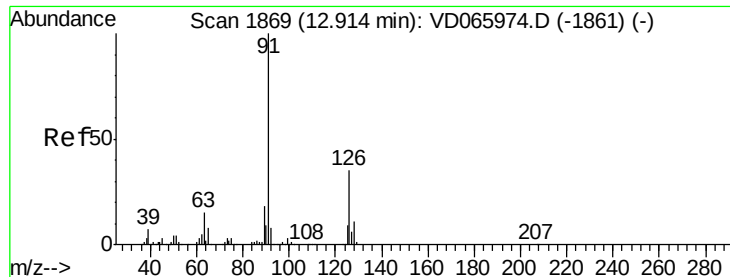
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.1	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.267 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 91 Resp: 218170

Ion Ratio Lower Upper

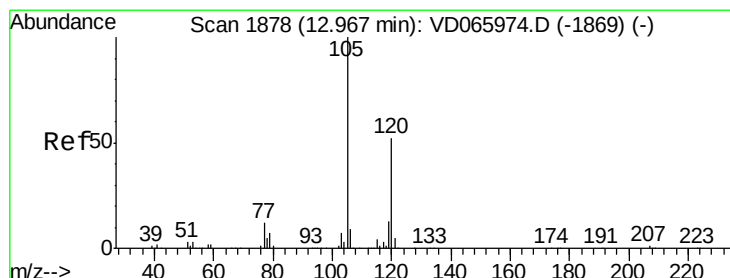
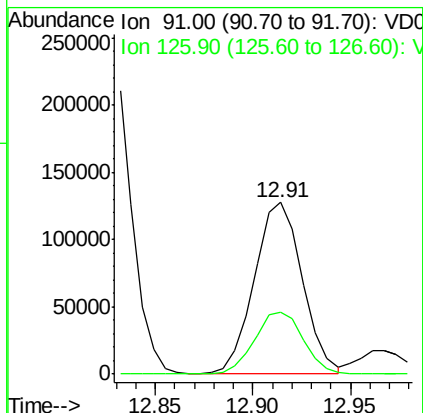
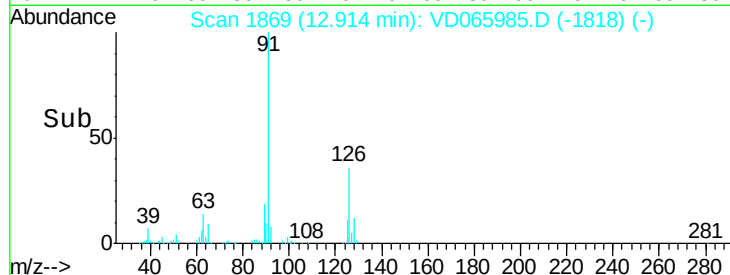
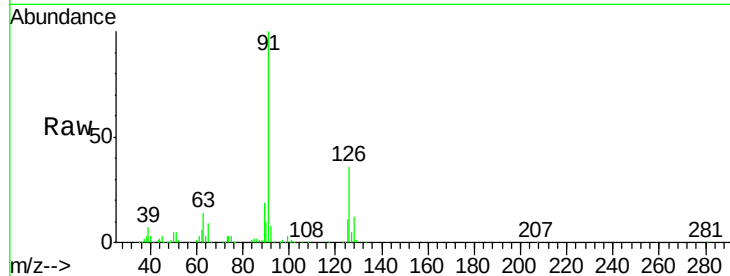
91 100

126 36.5 17.7 53.1

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#80

1,3,5-Trimethylbenzene

Concen: 22.698 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065985.D

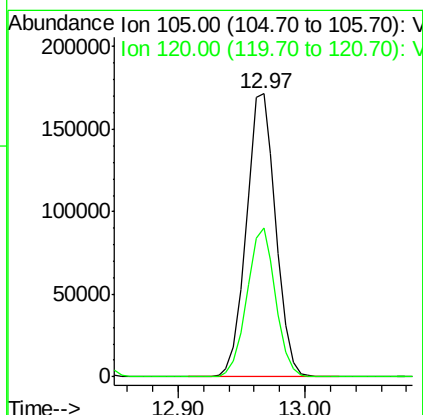
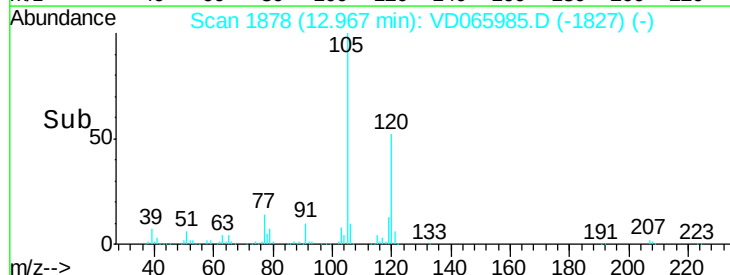
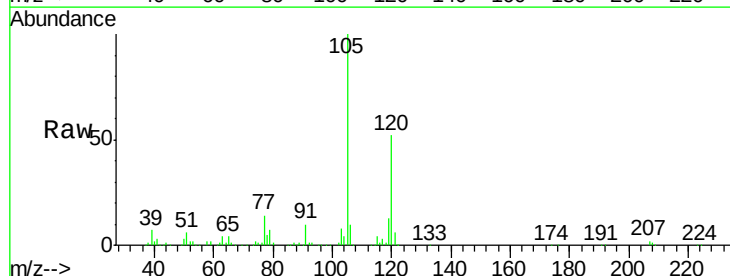
Acq: 21 Jul 2020 17:34

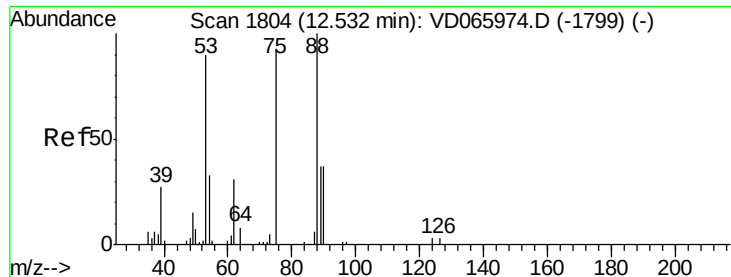
Tgt Ion: 105 Resp: 275604

Ion Ratio Lower Upper

105 100

120 51.2 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 22.376 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion: 75 Resp: 17933

Ion Ratio Lower Upper

75 100

53 94.7 76.8 115.2

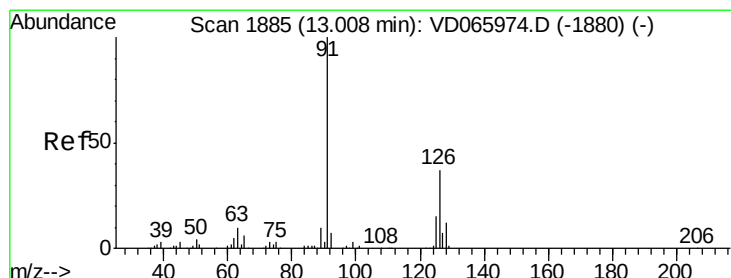
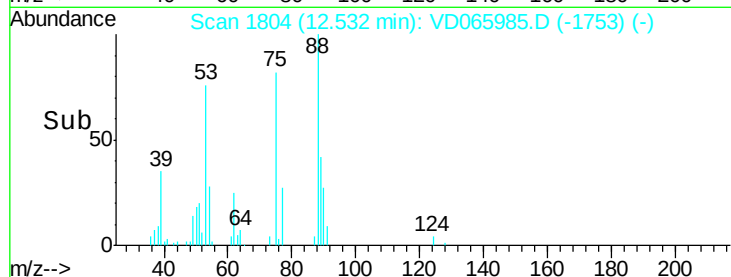
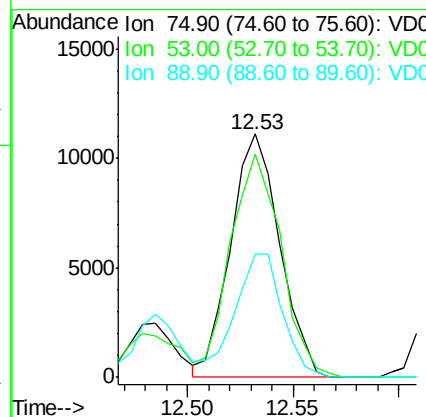
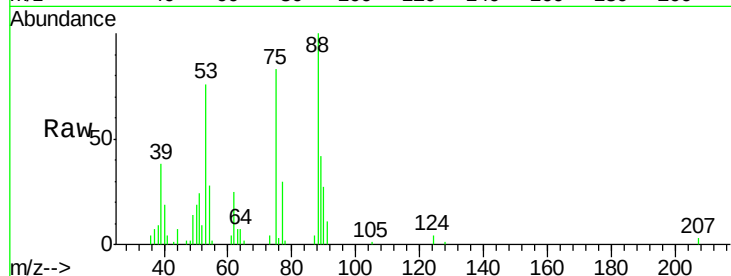
89 49.6 37.0 55.4

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#82

4-Chlorotoluene

Concen: 22.331 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VD065985.D

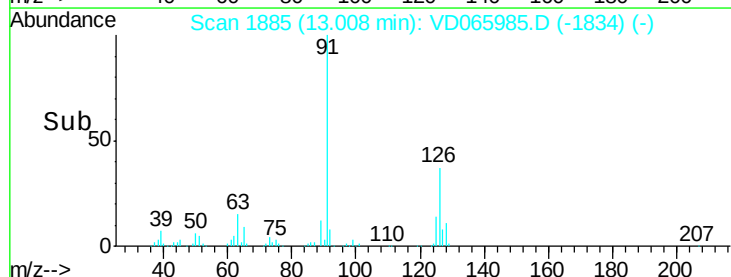
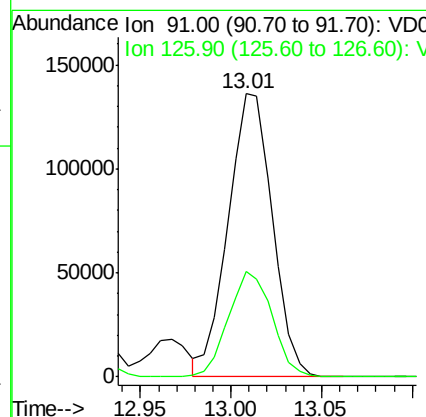
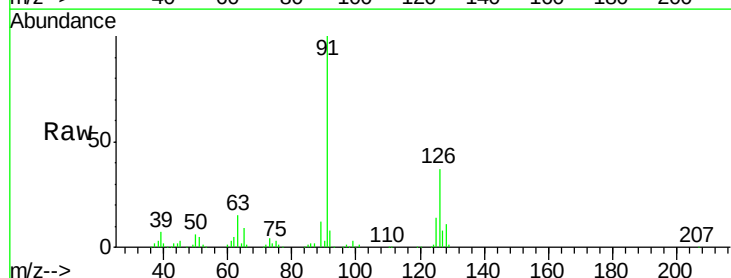
Acq: 21 Jul 2020 17:34

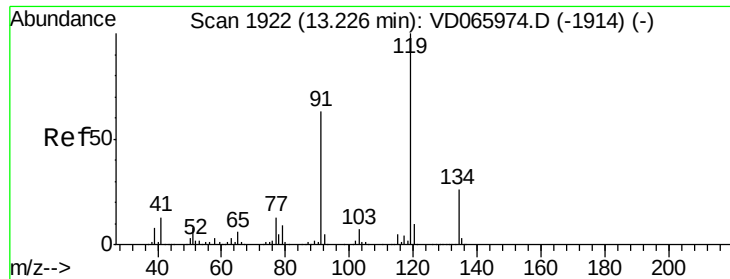
Tgt Ion: 91 Resp: 230941

Ion Ratio Lower Upper

91 100

126 36.6 17.8 53.5





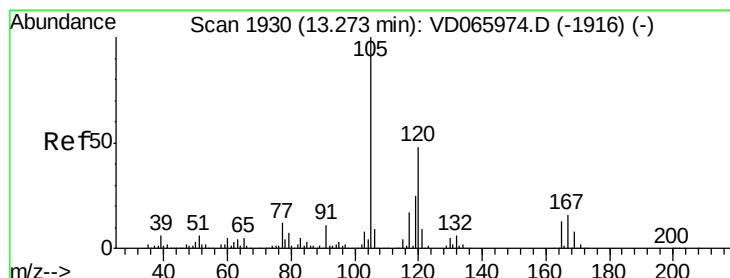
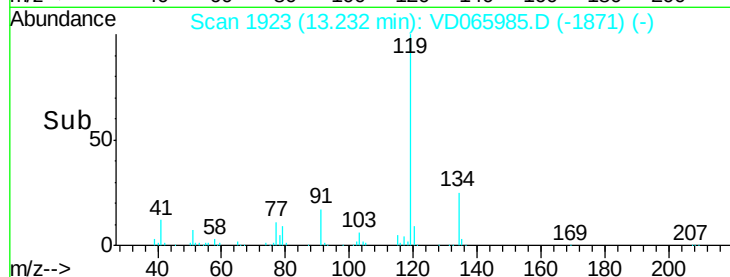
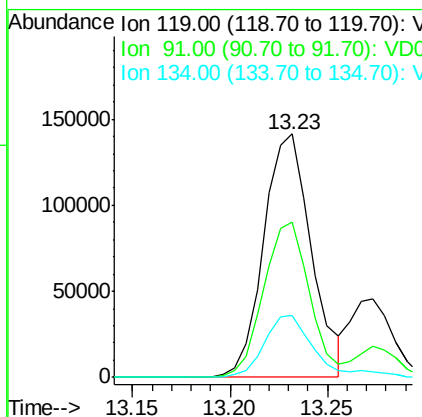
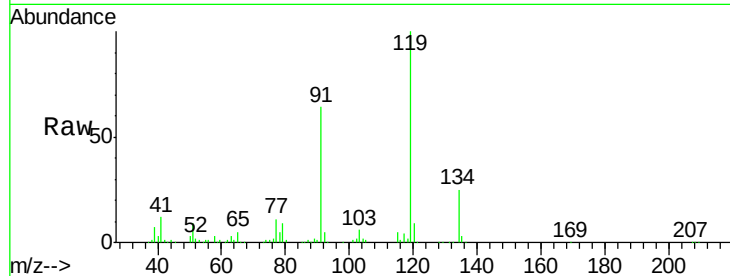
#83
 tert-Butylbenzene
 Concen: 22.544 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	239528		
91	61.4		30.6	91.6
134	27.0		13.9	41.7

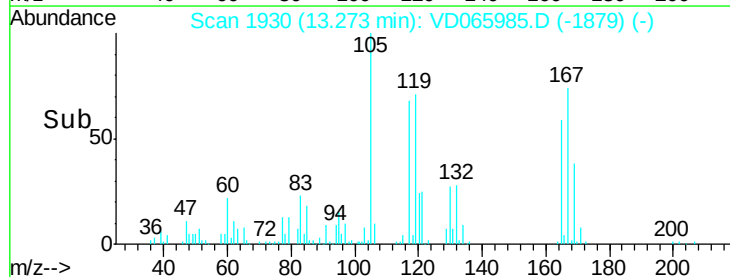
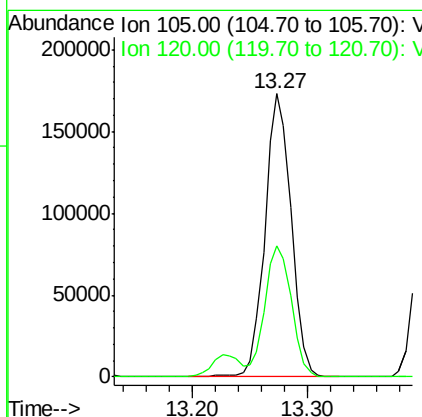
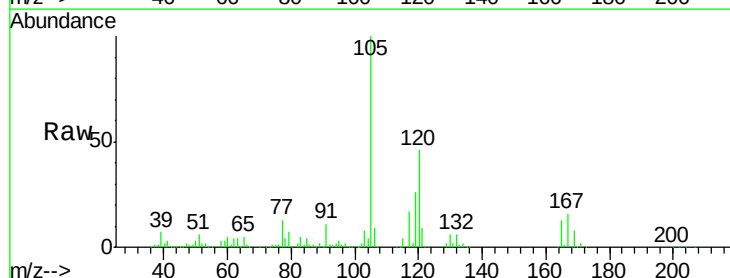
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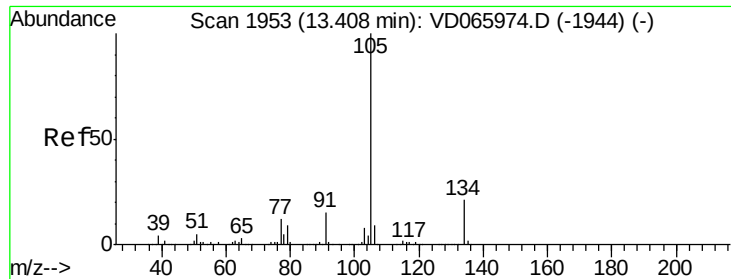
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.914 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	274488		
120	47.4		23.9	71.8





#85

sec-Butylbenzene

Concen: 22.355 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

VD0721SBS01

Tot Ion:105 Resp: 327168

Ion Ratio Lower Upper

105 100

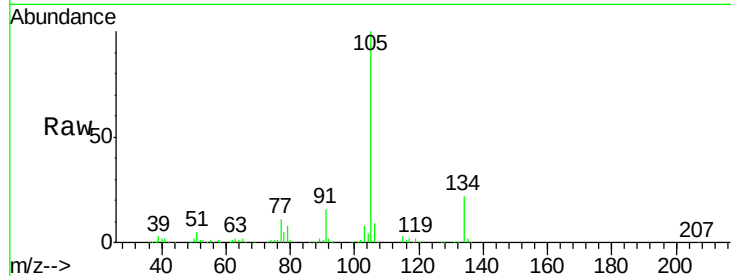
134 21.4 10.4 31.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

250000

200000

150000

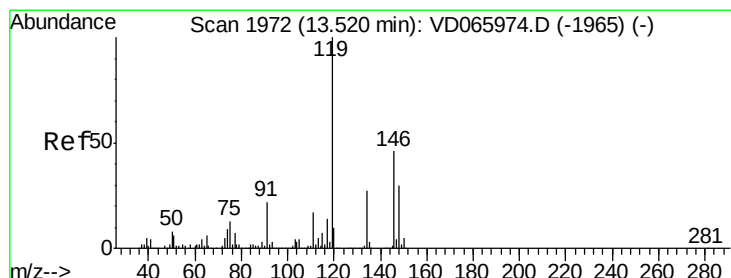
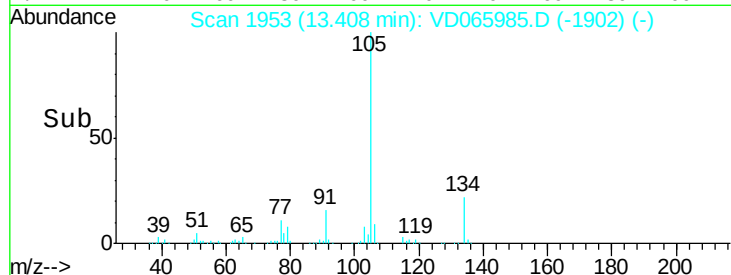
100000

50000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 22.968 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

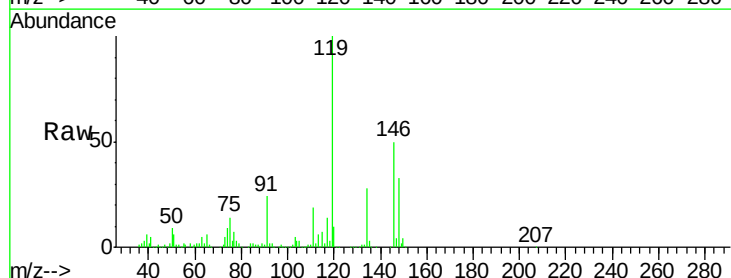
Tgt Ion:119 Resp: 305376

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

91 23.1 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

150000

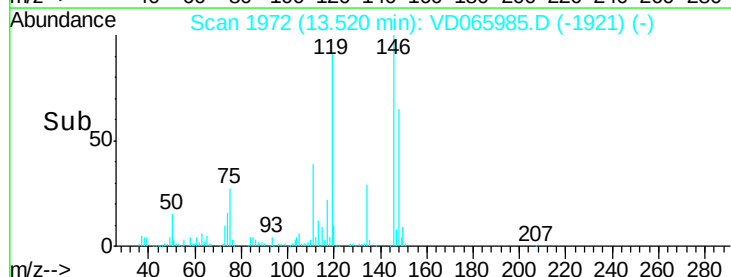
100000

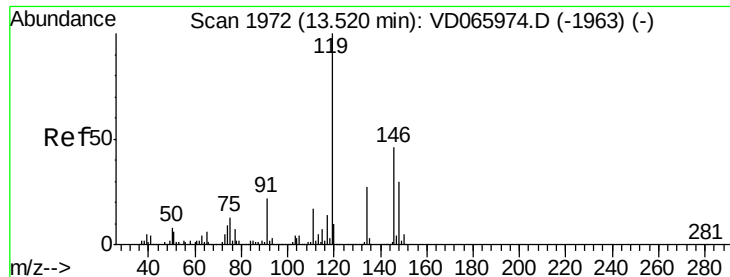
50000

0

13.45 13.50 13.55

Time-->





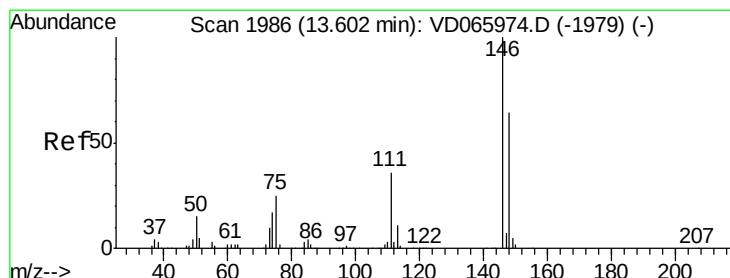
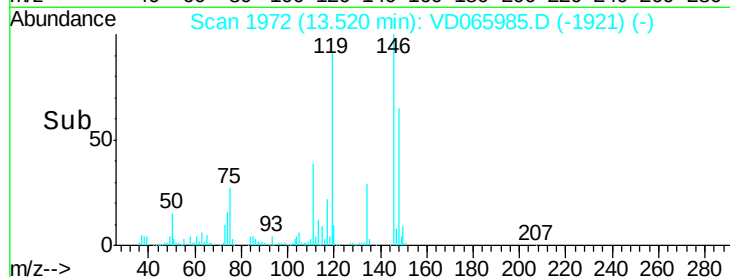
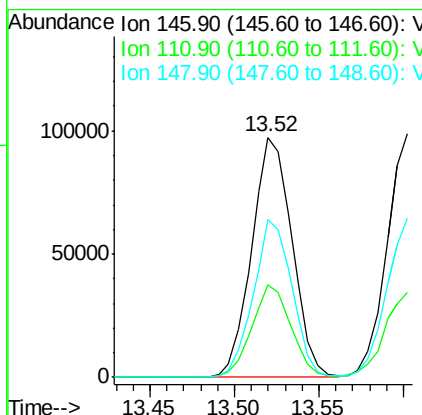
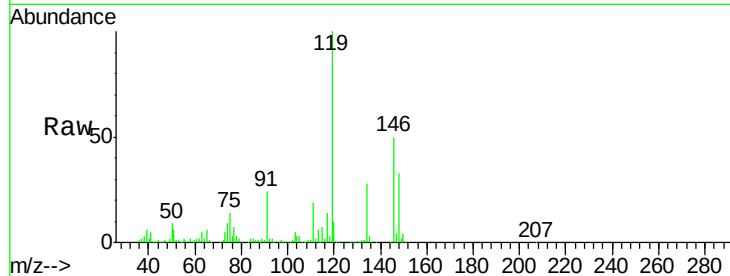
#87
 1,3-Dichlorobenzene
 Concen: 23.108 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.6
148	62.8	32.4	97.0

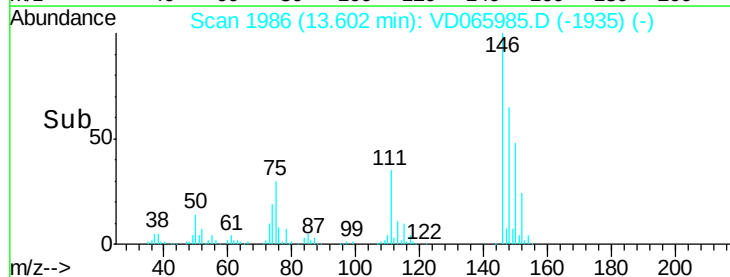
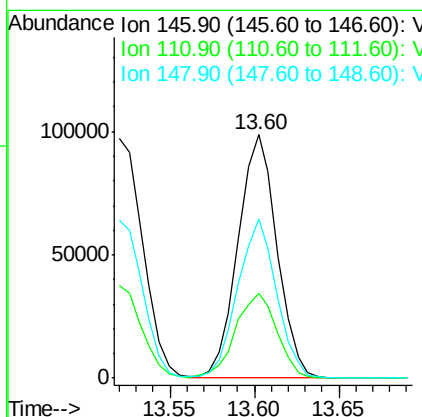
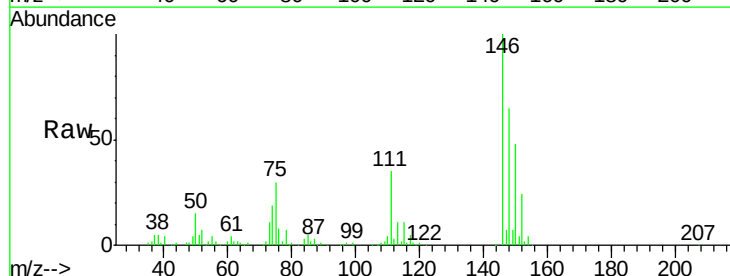
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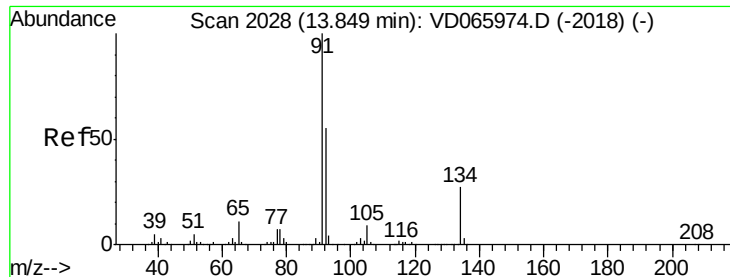
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#88
 1,4-Dichlorobenzene
 Concen: 22.396 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.8	56.4
148	65.4	32.2	96.6





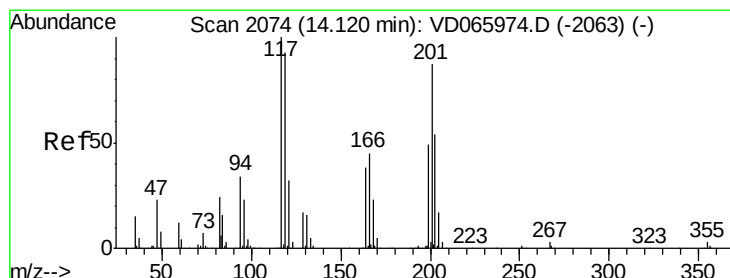
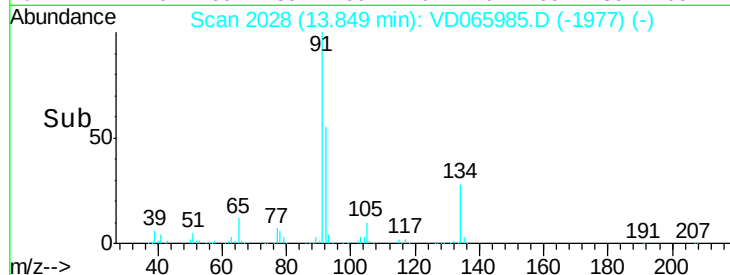
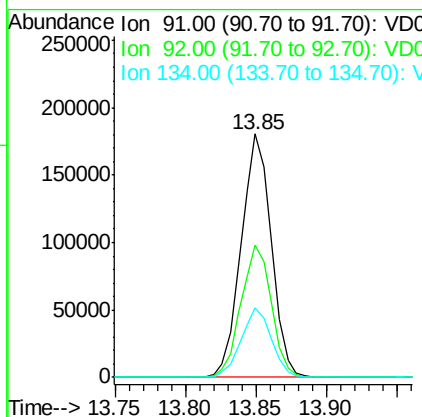
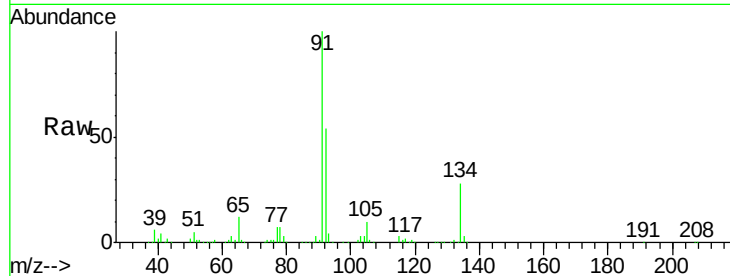
#89
n-Butylbenzene
Concen: 21.770 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.8	27.2	81.6
134	28.7	13.8	41.4

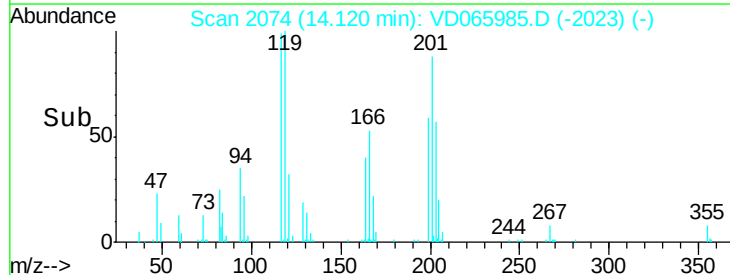
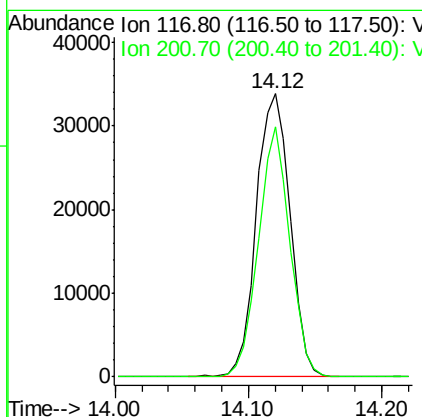
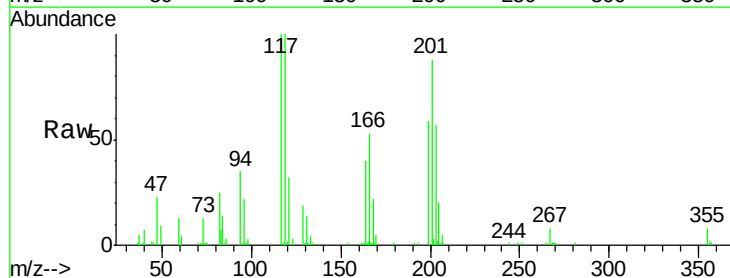
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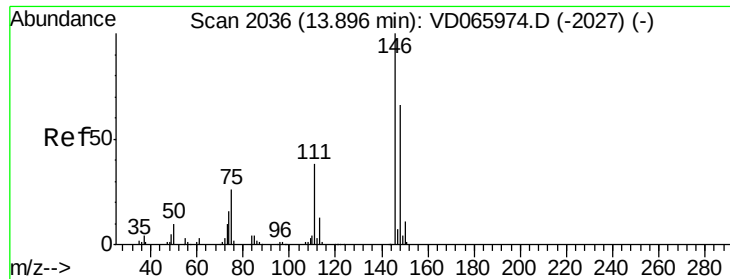
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#90
Hexachloroethane
Concen: 21.461 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	42.0	126.1





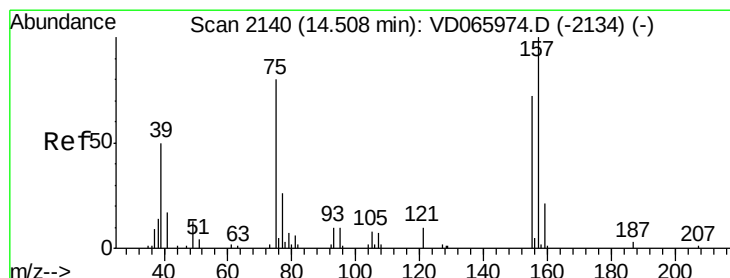
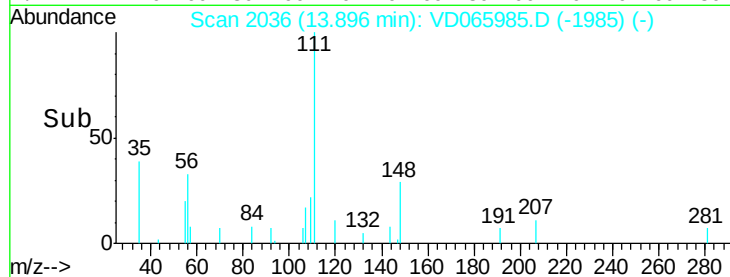
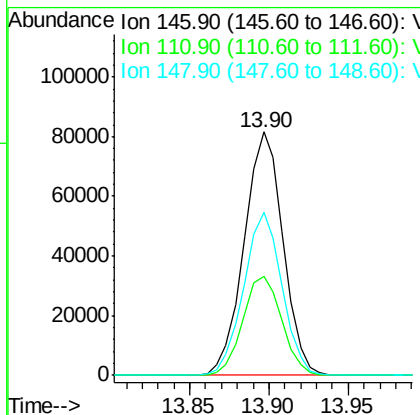
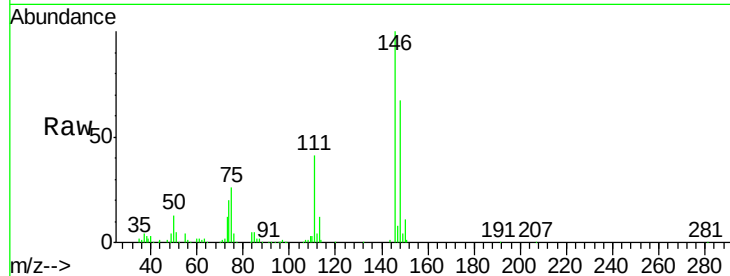
#91
 1,2-Dichlorobenzene
 Concen: 22.881 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0721SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.3	57.9
148	65.9	32.7	98.1

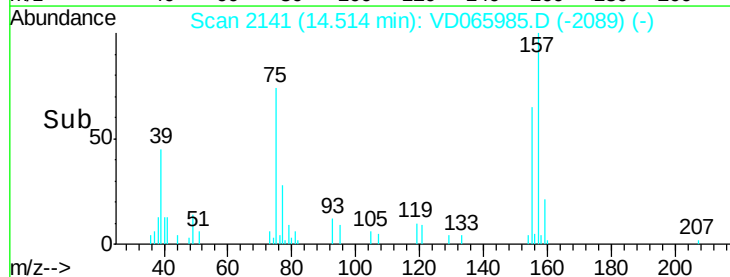
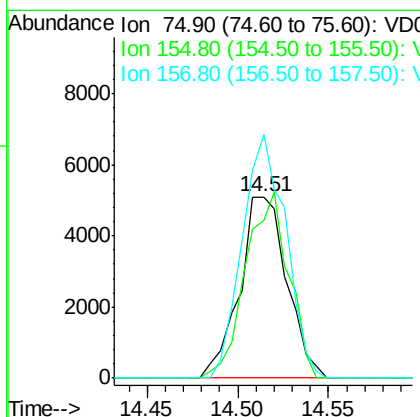
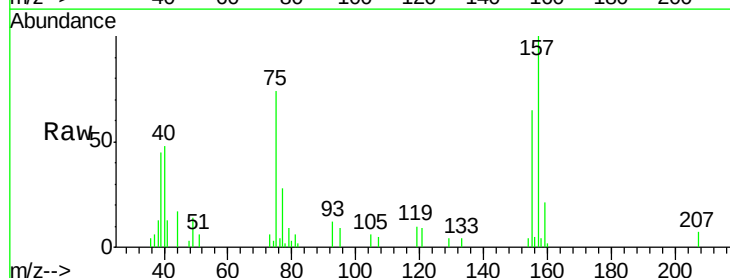
Manual Integrations
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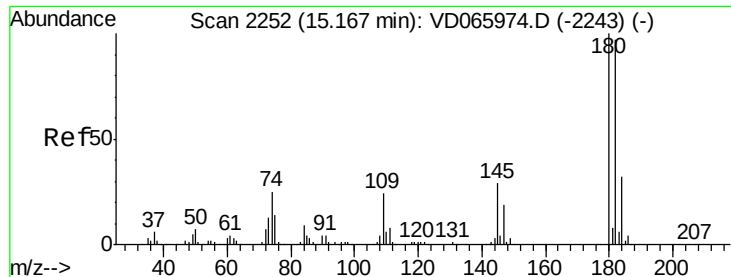
MMDadoda
 7/22/2020 2:44:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.068 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD065985.D
 Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	48.5	145.5
157	123.2	64.7	194.1





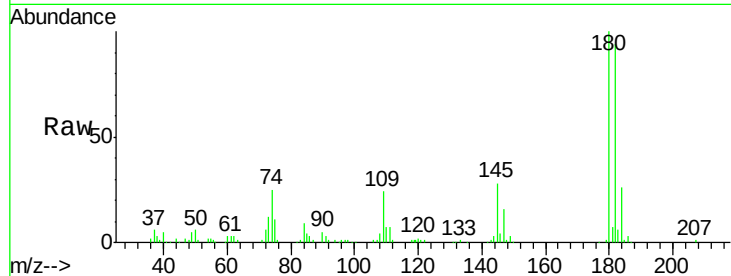
#93
1,2,4-Trichlorobenzene
Concen: 23.031 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
VD0721SBS01

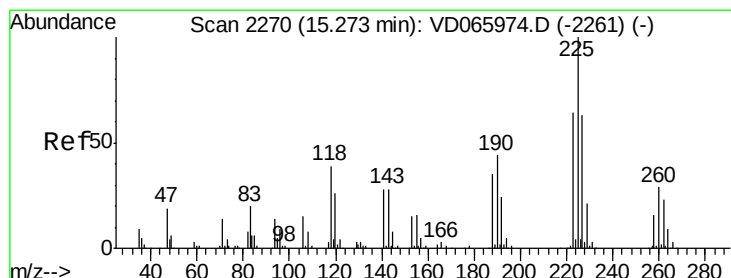
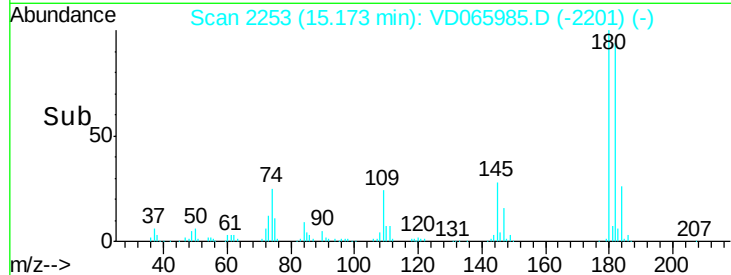
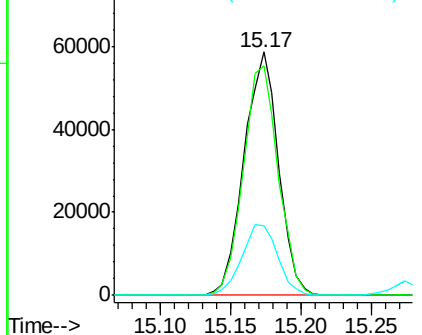
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	48.1	144.3	
145	30.2	14.7	44.1	

Manual Integrations
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MMDadoda
7/22/2020 2:44:34 PM

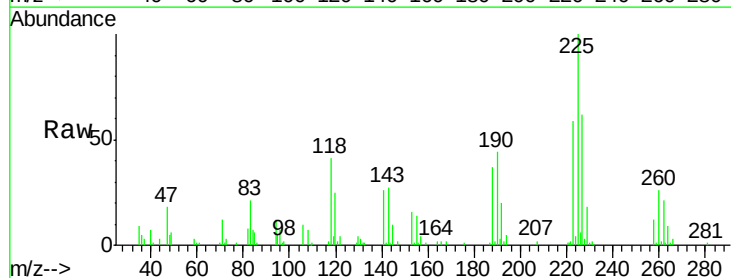


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

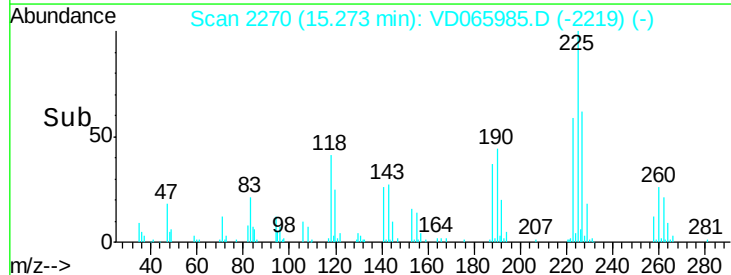
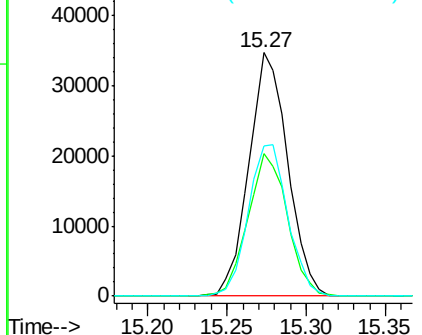


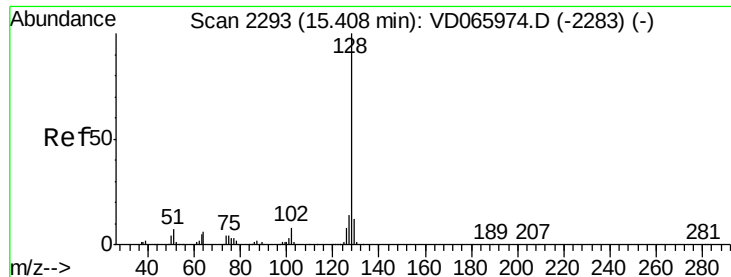
#94
Hexachlorobutadiene
Concen: 21.955 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD065985.D
Acq: 21 Jul 2020 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.5	31.2	93.6	
227	63.0	31.6	94.8	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 22.421 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Instrument :

MSVOA_D

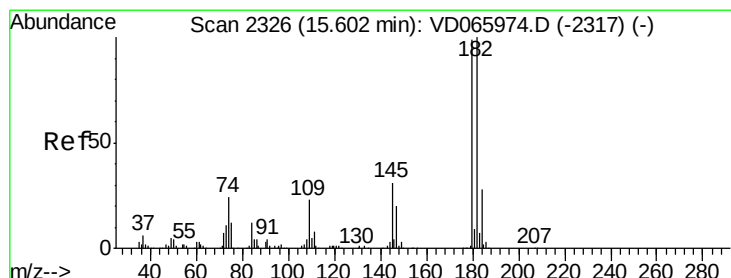
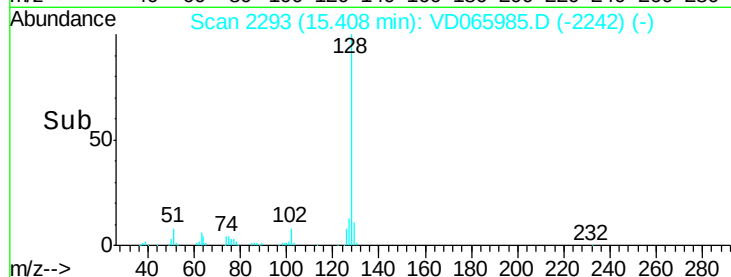
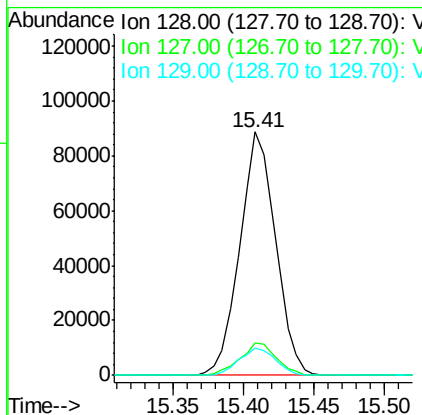
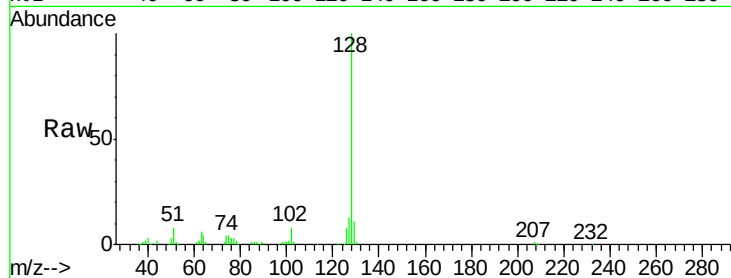
ClientSampleId :

VD0721SBS01

Tot Ion:	128	Resp:	157570
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	11.6	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/22/2020 2:44:34 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.651 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD065985.D

Acq: 21 Jul 2020 17:34

Tgt Ion:	180	Resp:	85888
Ion Ratio	Lower	Upper	
180	100		
182	97.7	47.9	143.6
145	32.0	15.4	46.2

