

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
 Data File : VD066017.D
 Acq On : 23 Jul 2020 11:56
 Operator : VA/SY
 Sample : VD0723SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Manual Integrations
 APPROVED

MMDadoda
 7/24/2020 12:59:48 PM

Quant Time: Jul 24 03:44:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	336771	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	489048	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	458460	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	239625	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	149090	54.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.82%	
35) Dibromofluoromethane	7.91	113	157380	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	
50) Toluene-d8	10.34	98	603922	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
62) 4-Bromofluorobenzene	12.64	95	211138	55.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	61810	24.185	ug/l	94
3) Chloromethane	2.21	50	47407	22.730	ug/l	96
4) Vinyl Chloride	2.35	62	45511	22.914	ug/l	99
5) Bromomethane	2.76	94	31767	19.703	ug/l	96
6) Chloroethane	2.91	64	27948	23.572	ug/l #	88
7) Trichlorofluoromethane	3.27	101	109821	22.732	ug/l	100
8) Diethyl Ether	3.71	74	28740	21.522	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	63963	21.927	ug/l	96
10) Methyl Iodide	4.30	142	66313	27.350	ug/l	95
11) Tert butyl alcohol	5.21	59	20386m	102.212	ug/l	
12) 1,1-Dichloroethene	4.07	96	62601	22.482	ug/l	96
13) Acrolein	3.92	56	20825	90.201	ug/l	100
14) Allyl chloride	4.71	41	91005	20.908	ug/l	94
15) Acrylonitrile	5.41	53	59483	104.266	ug/l	97
16) Acetone	4.15	43	56064	101.076	ug/l	94
17) Carbon Disulfide	4.40	76	193643	21.440	ug/l	99
18) Methyl Acetate	4.71	43	26996	20.922	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	125512	21.939	ug/l	97
20) Methylene Chloride	4.97	84	76142	23.239	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	69573	22.108	ug/l	97
22) Diisopropyl ether	6.36	45	180863	21.872	ug/l	97
23) Vinyl Acetate	6.30	43	507933	108.915	ug/l	97
24) 1,1-Dichloroethane	6.26	63	111044	22.163	ug/l	99
25) 2-Butanone	7.21	43	74062	100.628	ug/l	94
26) 2,2-Dichloropropane	7.20	77	104089	23.102	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	74392	22.327	ug/l	98
28) Bromochloromethane	7.55	49	40443	19.018	ug/l	90
29) Tetrahydrofuran	7.56	42	47236	104.017	ug/l	99
30) Chloroform	7.71	83	118336	22.579	ug/l	99
31) Cyclohexane	7.98	56	105914	21.487	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	112357	23.176	ug/l	100
36) 1,1-Dichloropropene	8.11	75	94980	22.756	ug/l	96
37) Ethyl Acetate	7.29	43	33576	21.064	ug/l	98
38) Carbon Tetrachloride	8.09	117	101313	22.371	ug/l	95

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Manual Integrations
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MMDadoda
 7/24/2020 12:59:48 PM

Quant Time: Jul 24 03:44:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 21 12:34:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	113928	22.540	ug/l	99
40) Benzene	8.35	78	258020	22.097	ug/l	95
41) Methacrylonitrile	7.52	41	20211m	22.134	ug/l	
42) 1,2-Dichloroethane	8.43	62	71980	22.496	ug/l	100
43) Isopropyl Acetate	8.45	43	65635	21.082	ug/l	99
44) Trichloroethene	9.11	130	80273	22.717	ug/l	90
45) 1,2-Dichloropropane	9.39	63	62880	22.234	ug/l	100
46) Dibromomethane	9.47	93	33482	21.993	ug/l	96
47) Bromodichloromethane	9.66	83	89785	22.304	ug/l	98
48) Methyl methacrylate	9.46	41	33591	21.390	ug/l	98
49) 1,4-Dioxane	9.47	88	7676	435.196	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	169378	107.978	ug/l	99
52) Toluene	10.41	92	179216	23.535	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	85951	22.919	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	101027	22.223	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	47925	22.196	ug/l	93
56) Ethyl methacrylate	10.66	69	54882	21.862	ug/l	98
57) 1,3-Dichloropropane	10.95	76	80057	22.397	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	133742	111.525	ug/l	99
59) 2-Hexanone	10.99	43	115527	106.277	ug/l	96
60) Dibromochloromethane	11.14	129	66701	22.912	ug/l	98
61) 1,2-Dibromoethane	11.25	107	47940	23.028	ug/l	98
64) Tetrachloroethene	10.88	164	70296	22.591	ug/l	93
65) Chlorobenzene	11.67	112	188292	22.431	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	72745	23.470	ug/l	99
67) Ethyl Benzene	11.75	91	326431	22.597	ug/l	98
68) m/p-Xylenes	11.86	106	260108	46.847	ug/l	99
69) o-Xylene	12.18	106	119311	23.626	ug/l	97
70) Styrene	12.20	104	204575	23.577	ug/l	99
71) Bromoform	12.37	173	41547	22.884	ug/l	# 97
73) Isopropylbenzene	12.48	105	323413	22.305	ug/l	99
74) N-amyl acetate	12.29	43	64412	21.425	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	52124	21.752	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	29767m	16.498	ug/l	
77) Bromobenzene	12.77	156	84075	22.689	ug/l	97
78) n-propylbenzene	12.83	91	384675	22.863	ug/l	100
79) 2-Chlorotoluene	12.91	91	217141	22.589	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	276697	23.227	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	17366	22.086	ug/l	93
82) 4-Chlorotoluene	13.01	91	229565	22.626	ug/l	98
83) tert-Butylbenzene	13.23	119	242841	23.296	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	269362	22.919	ug/l	98
85) sec-Butylbenzene	13.41	105	325691	22.683	ug/l	98
86) p-Isopropyltoluene	13.53	119	318770	24.437	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	159973	23.252	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	155936	22.420	ug/l	98
89) n-Butylbenzene	13.85	91	274349	22.619	ug/l	99
90) Hexachloroethane	14.12	117	58167	21.540	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	134600	22.578	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8508	21.664	ug/l	98

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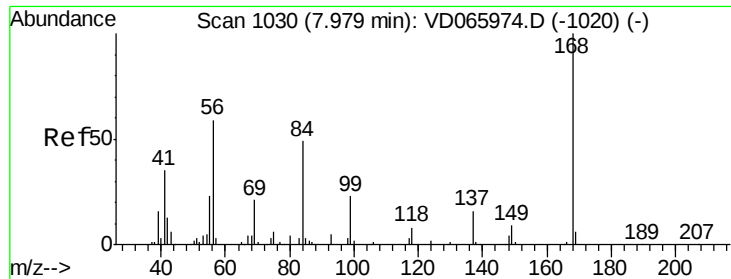
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\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	98129	22.931	ug/l	99
94) Hexachlorobutadiene	15.27	225	59367	22.440	ug/l	98
95) Naphthalene	15.41	128	147822	21.594	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	84699	22.768	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion:168 Resp: 336771

Ion Ratio Lower Upper

168 100

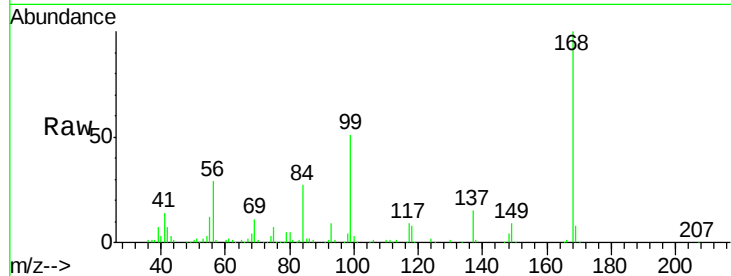
99 50.7 40.8 61.2

Manual Integrations

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7/24/2020 12:59:48 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

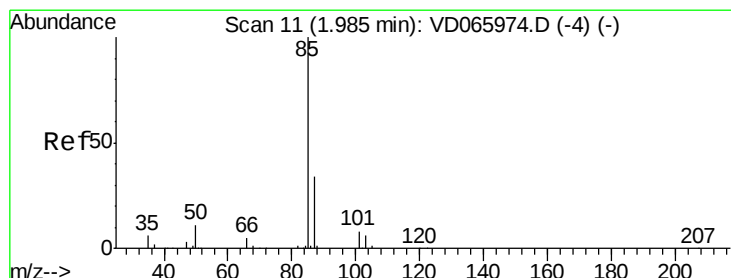
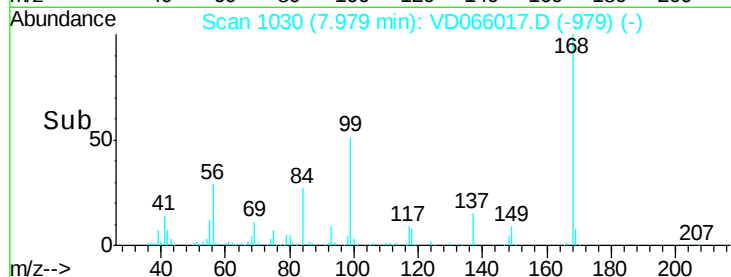
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.185 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066017.D

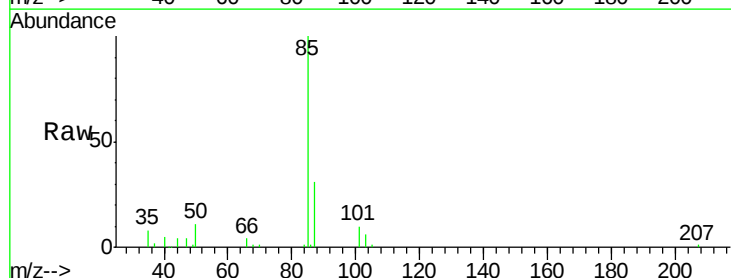
Acq: 23 Jul 2020 11:56

Tgt Ion: 85 Resp: 61810

Ion Ratio Lower Upper

85 100

87 31.2 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

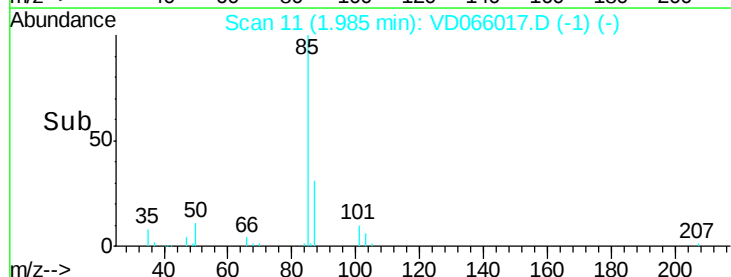
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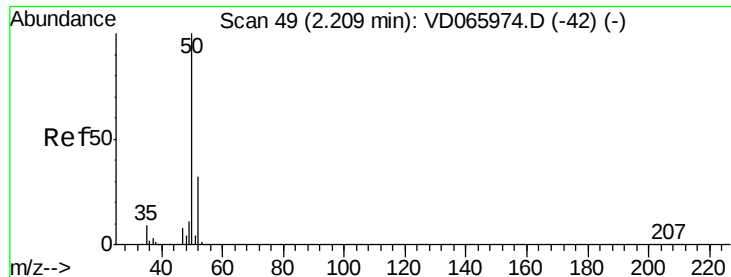
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.730 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 50 Resp: 47407

Ion Ratio Lower Upper

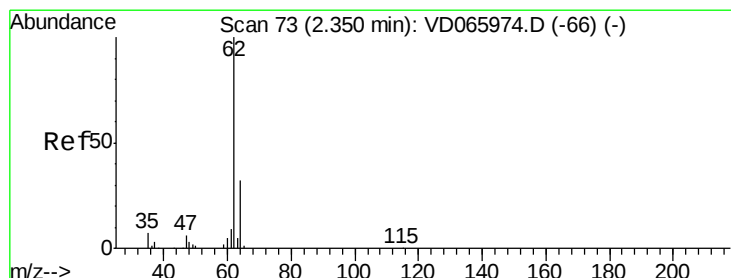
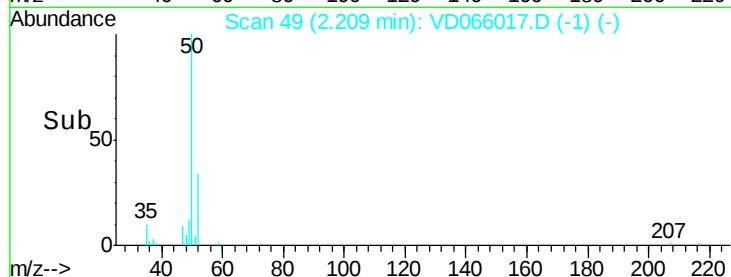
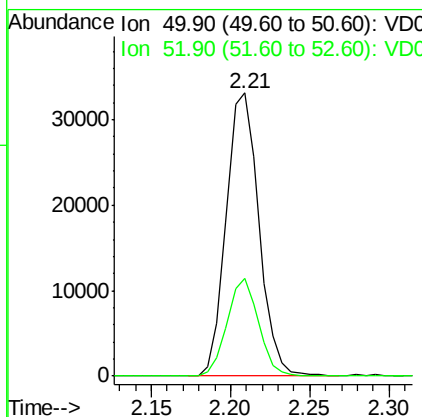
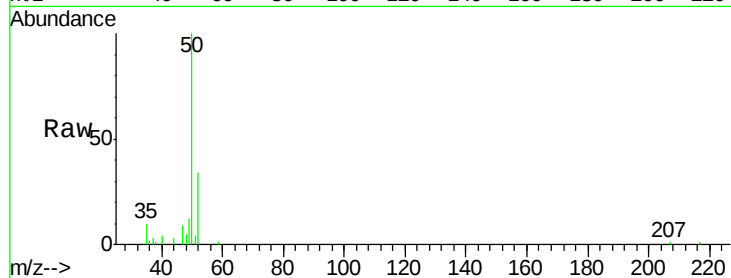
50 100

52 34.4 25.8 38.8

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 22.914 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066017.D

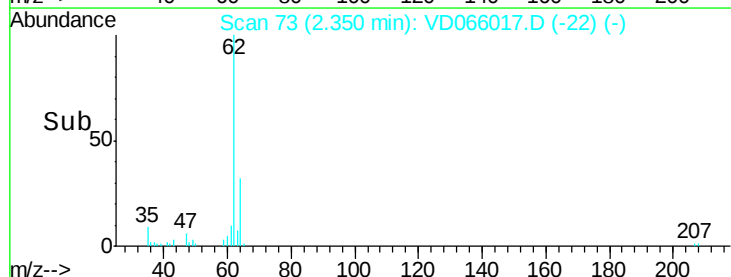
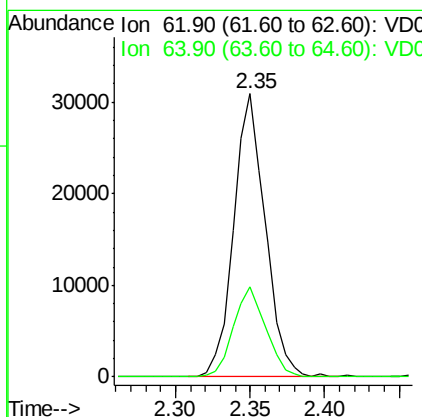
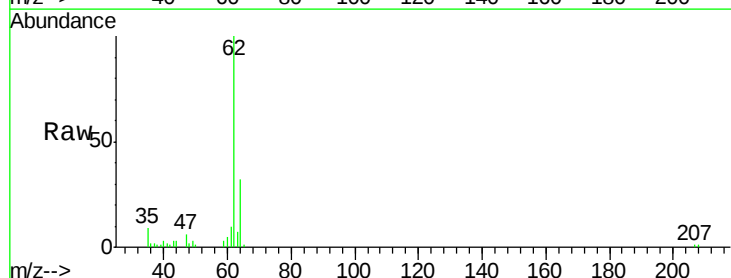
Acq: 23 Jul 2020 11:56

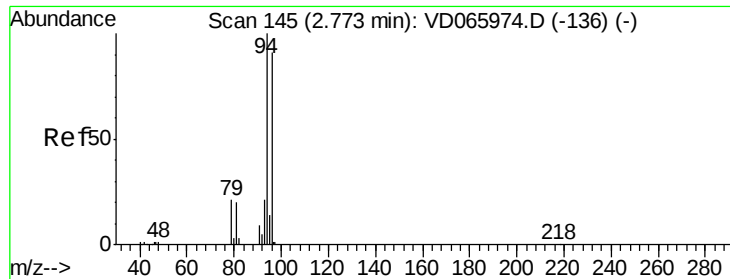
Tgt Ion: 62 Resp: 45511

Ion Ratio Lower Upper

62 100

64 31.6 25.8 38.8





#5

Bromomethane

Concen: 19.703 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 94 Resp: 31767

Ion Ratio Lower Upper

94 100

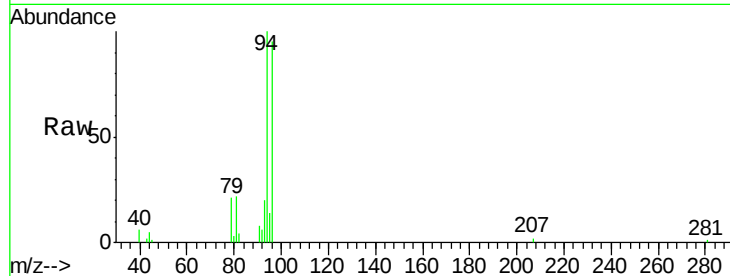
96 94.7 73.0 109.4

Manual Integrations

APPROVED

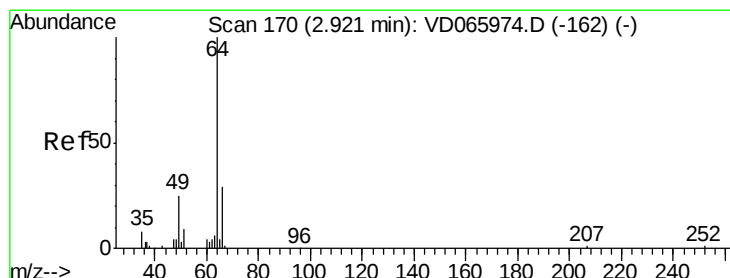
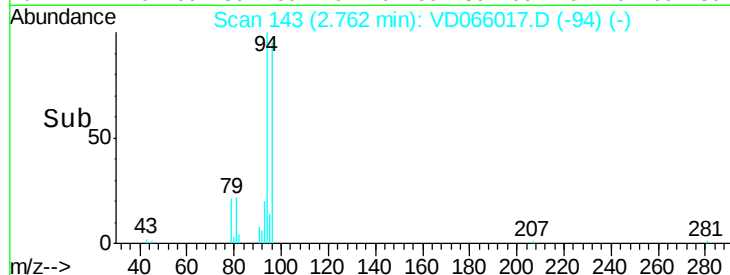
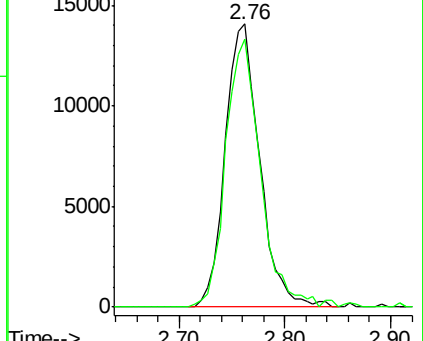
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.572 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066017.D

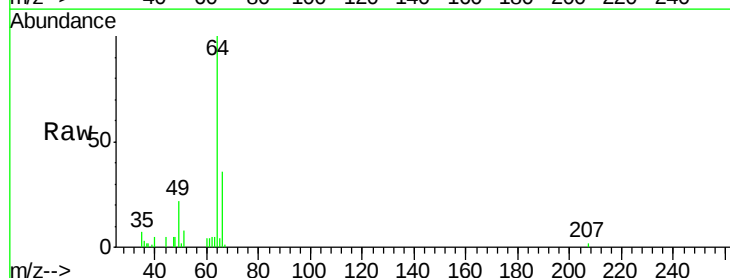
Acq: 23 Jul 2020 11:56

Tgt Ion: 64 Resp: 27948

Ion Ratio Lower Upper

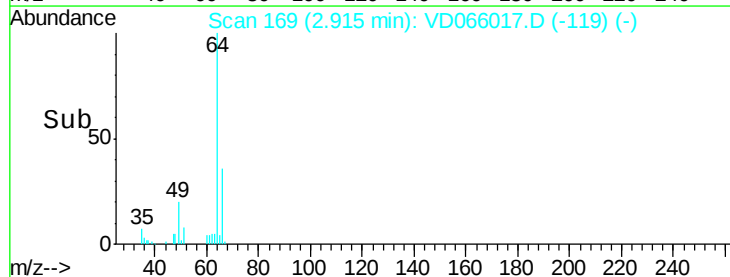
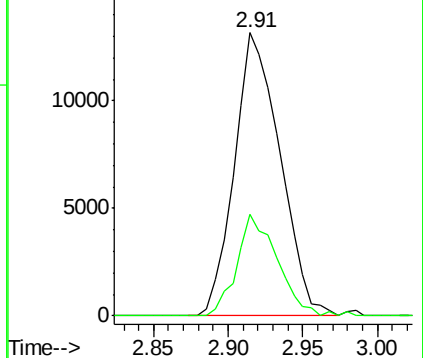
64 100

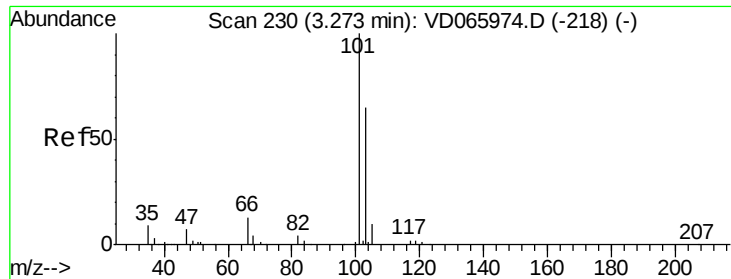
66 35.8 23.4 35.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

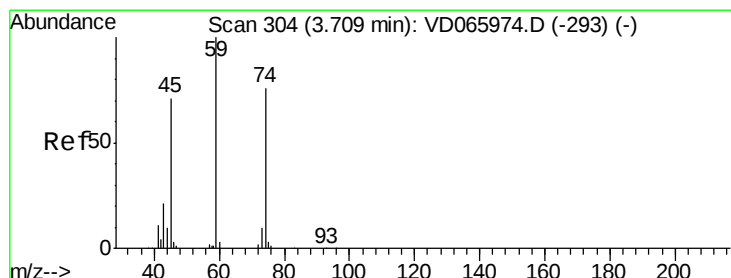
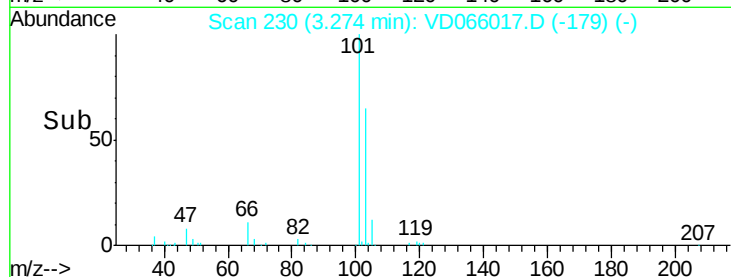
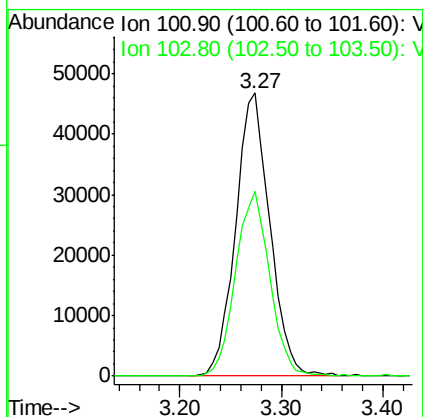
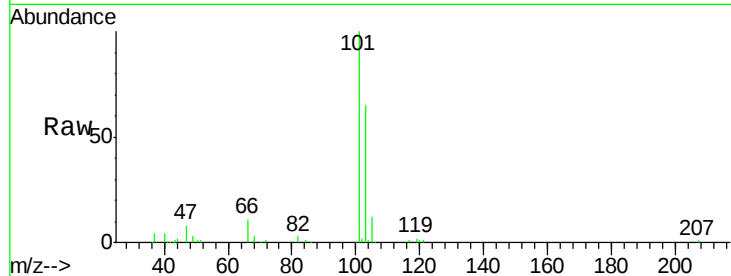
Trichlorofluoromethane
Concen: 22.732 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	109821		
103	65.4	52.1	78.1	

Manual Integrations
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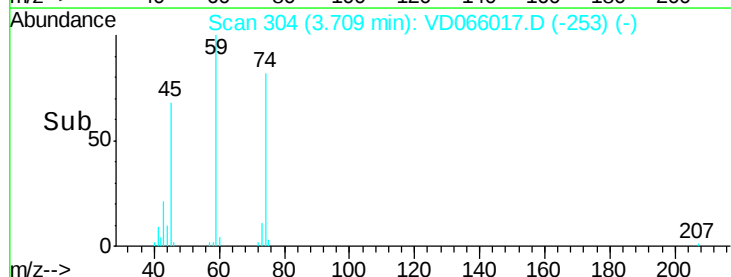
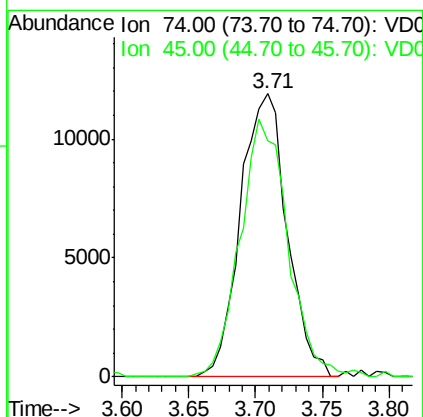
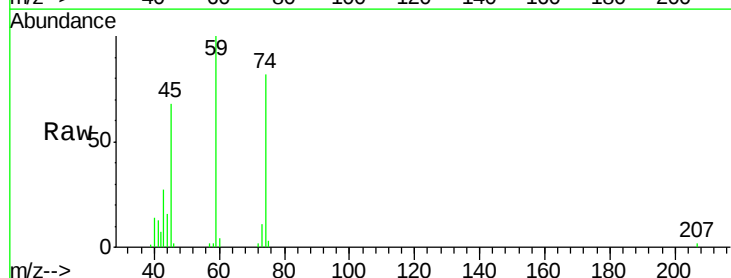
MMDadoda
7/24/2020 12:59:48 PM

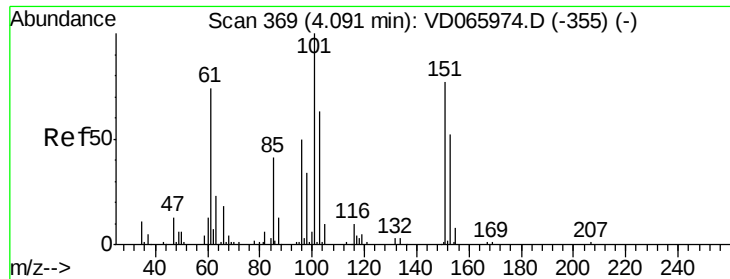


#8

Diethyl Ether
Concen: 21.522 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	28740		
45	94.0	49.9	149.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.927 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066017.D

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Instrument :

MSVOA_D

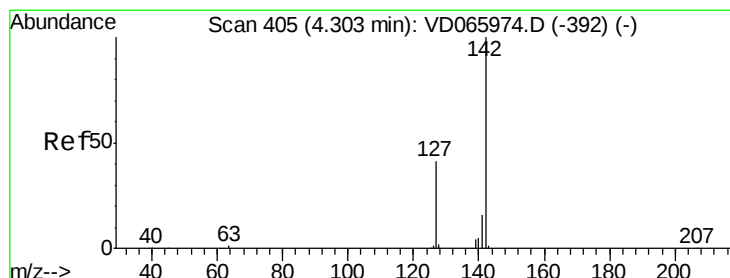
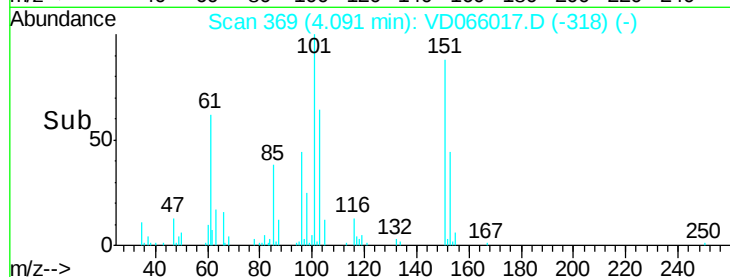
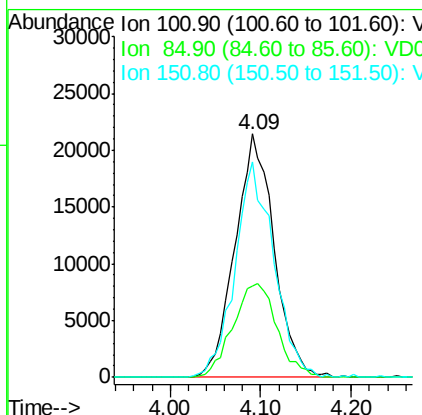
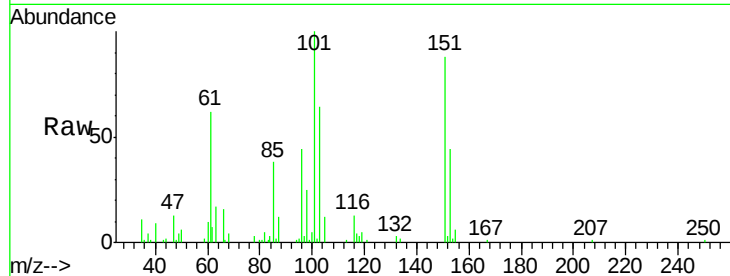
ClientSampleId :

VD0723SBS01

Tot Ion:	101	Resp:	63963
Ion Ratio	Lower	Upper	
101	100		
85	43.3	33.6	50.4
151	88.0	66.6	99.8

Manual Integrations
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#10

Methyl Iodide

Concen: 27.350 ug/l

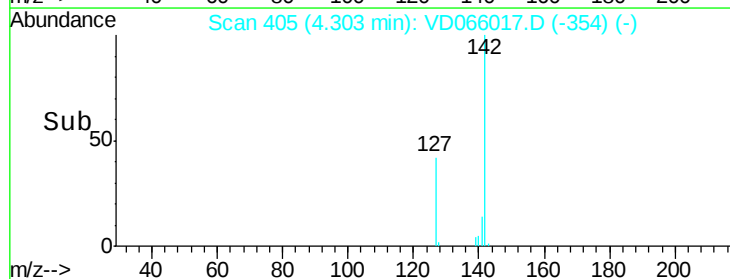
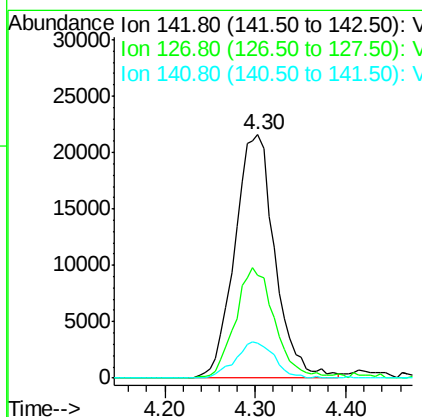
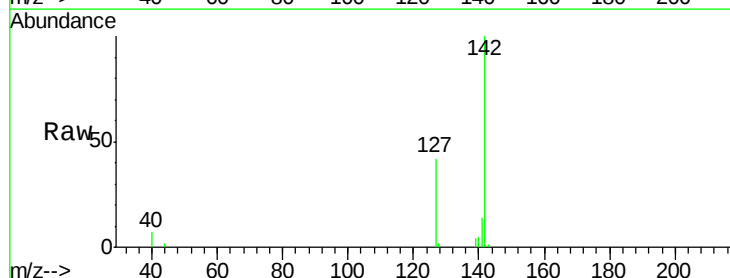
RT: 4.30 min Scan# 405

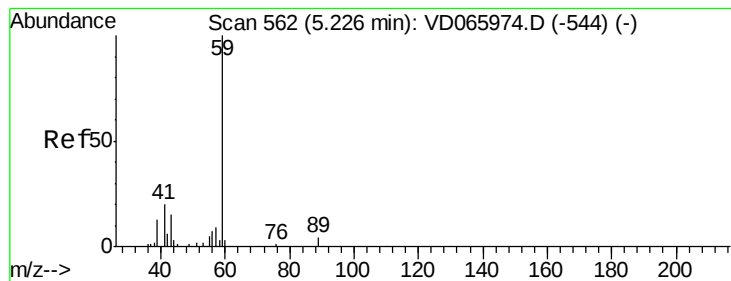
Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion:	142	Resp:	66313
Ion Ratio	Lower	Upper	
142	100		
127	44.8	32.9	49.3
141	14.3	11.8	17.6





#11

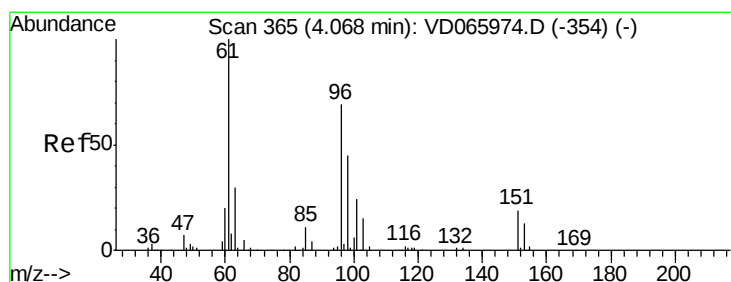
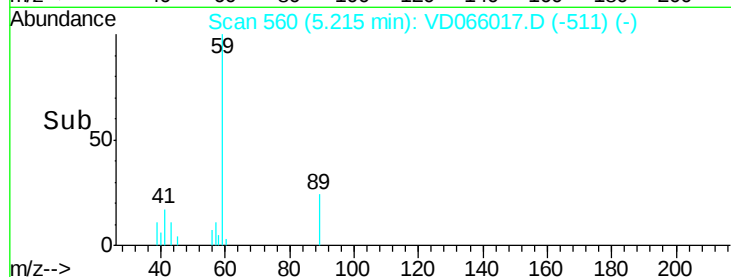
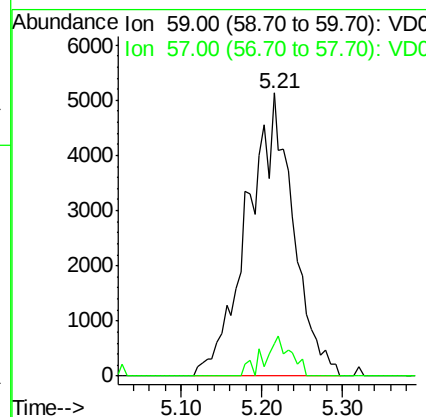
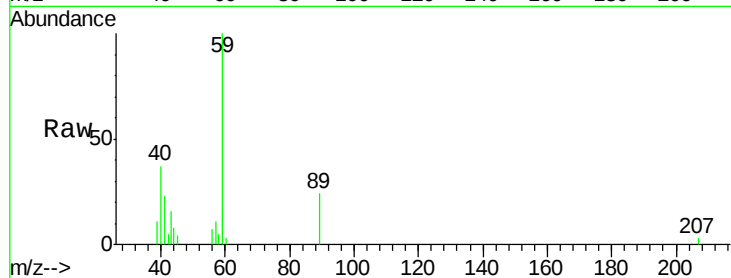
Tert butyl alcohol
Concen: 102.212 ug/l m
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion: 59 Resp: 20386
Ion Ratio Lower Upper
59 100
57 7.3 4.5 6.7#

Manual Integrations
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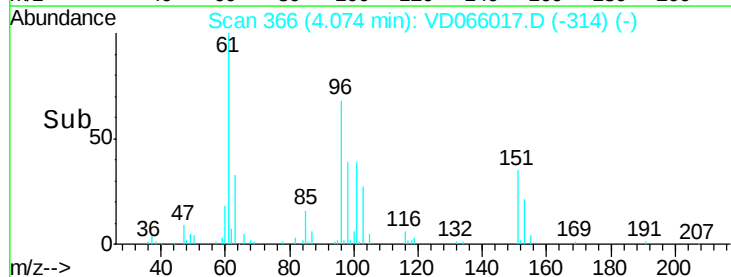
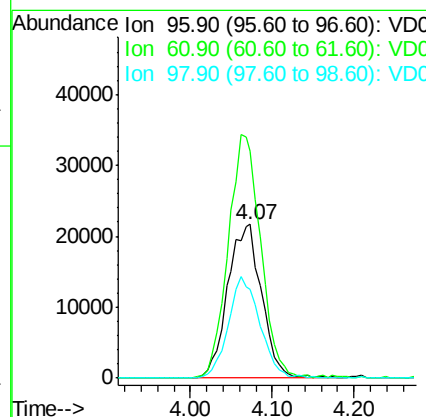
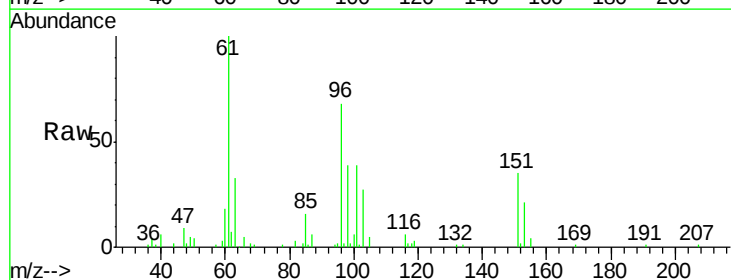
MMDadoda
7/24/2020 12:59:48 PM

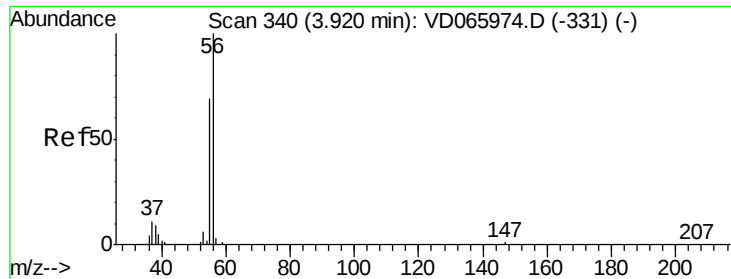


#12

1,1-Dichloroethene
Concen: 22.482 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 96 Resp: 62601
Ion Ratio Lower Upper
96 100
61 147.5 115.4 173.0
98 58.1 51.5 77.3





#13

Acrolein

Concen: 90.201 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 56 Resp: 20825

Ion Ratio Lower Upper

56 100

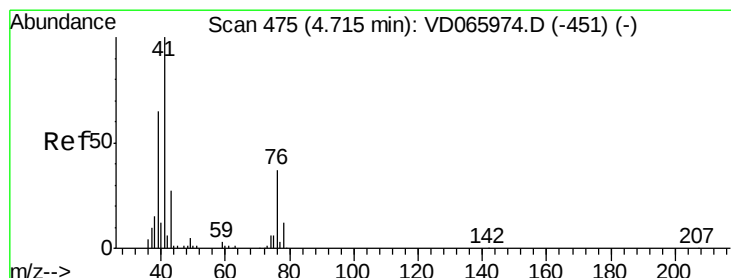
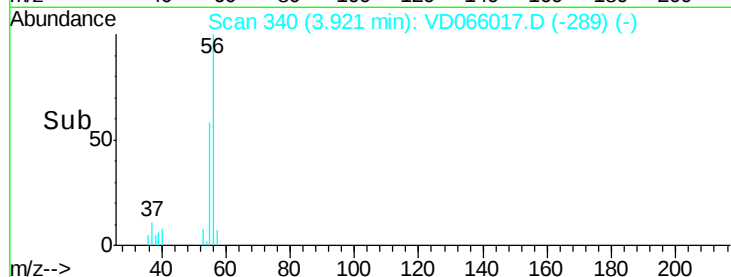
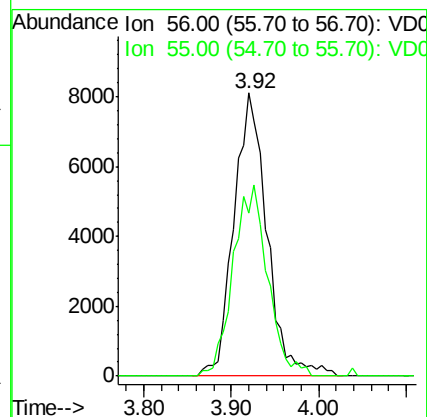
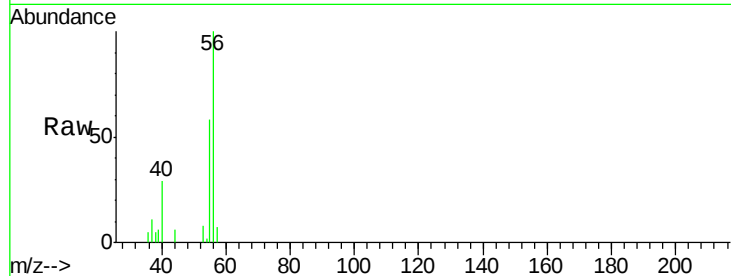
55 70.1 55.8 83.8

Manual Integrations

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#14

Allyl chloride

Concen: 20.908 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

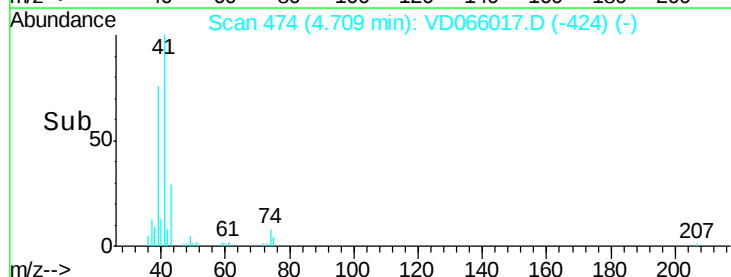
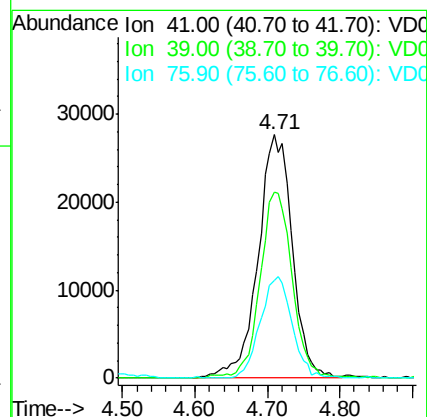
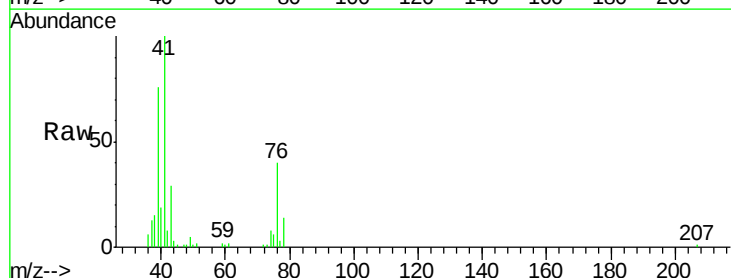
Tgt Ion: 41 Resp: 91005

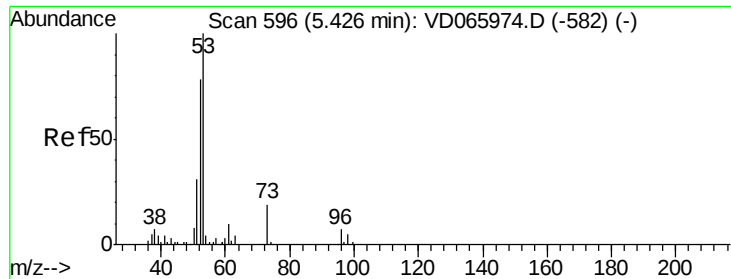
Ion Ratio Lower Upper

41 100

39 72.1 53.4 80.2

76 38.8 29.1 43.7





#15

Acrylonitrile

Concen: 104.266 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

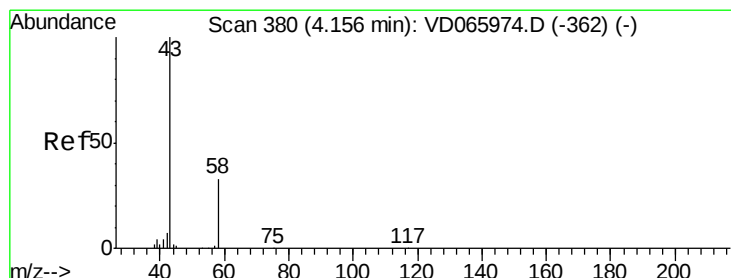
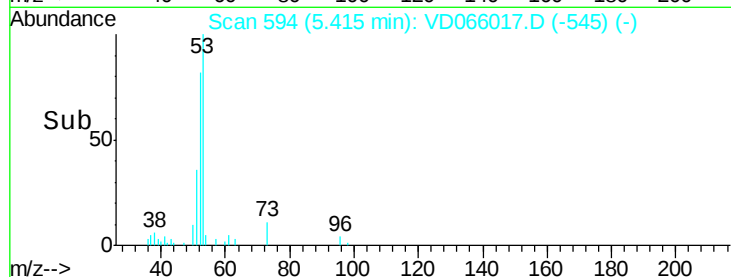
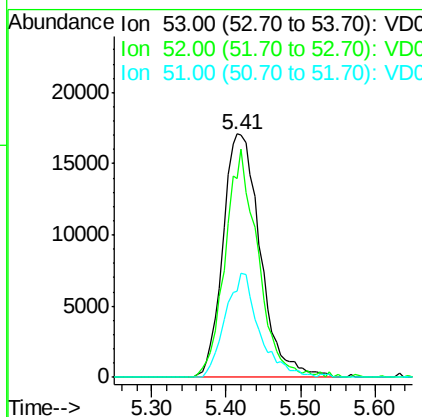
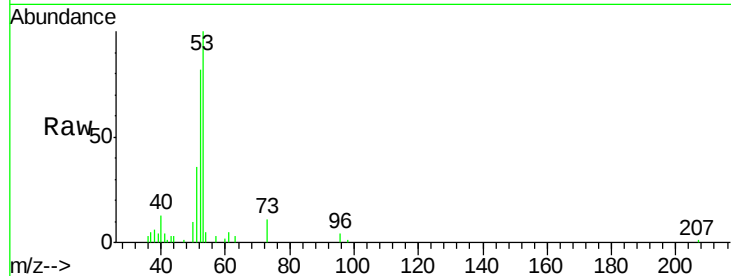
ClientSampleId :

VD0723SBS01

Tot Ion:	53	Resp:	59483
Ion	Ratio	Lower	Upper
53	100		
52	81.8	67.1	100.7
51	38.7	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 101.076 ug/l

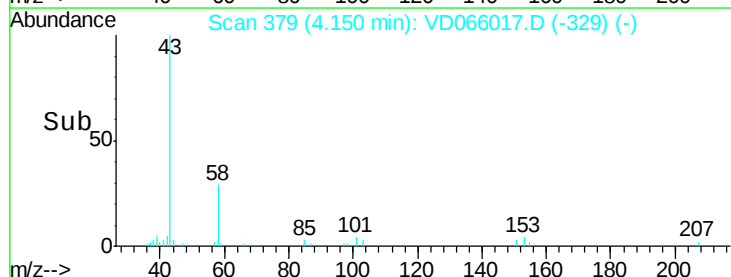
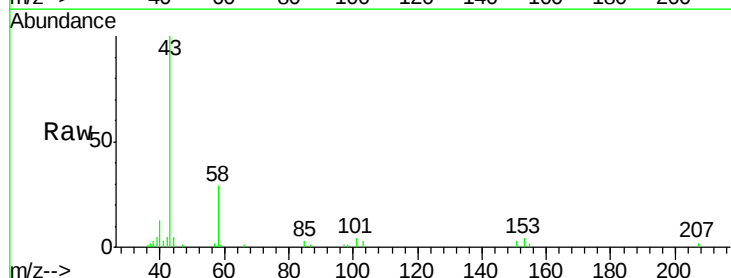
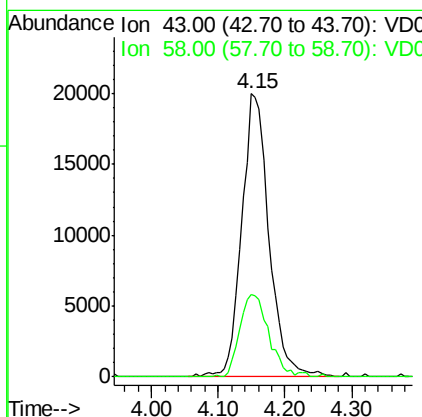
RT: 4.15 min Scan# 379

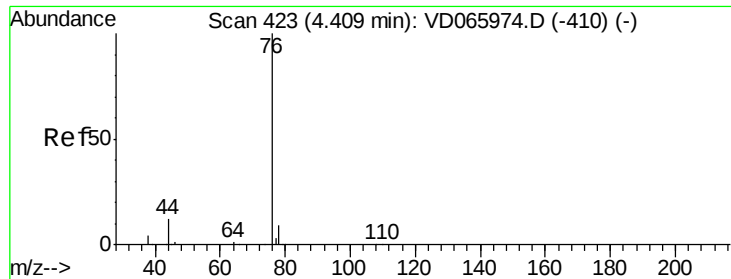
Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion:	43	Resp:	56064
Ion	Ratio	Lower	Upper
43	100		
58	29.3	26.3	39.5





#17

Carbon Disulfide

Concen: 21.440 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 76 Resp: 193643

Ion Ratio Lower Upper

76 100

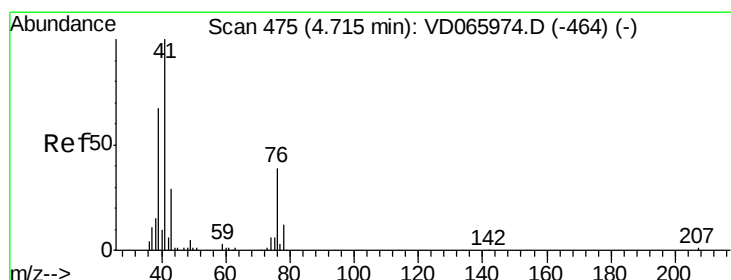
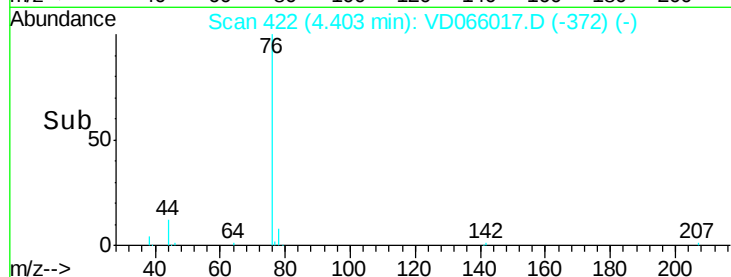
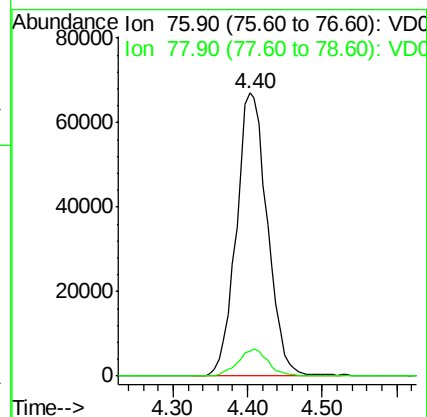
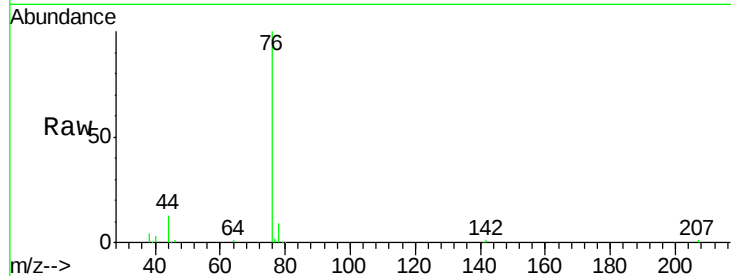
78 9.0 7.4 11.2

Manual Integrations

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#18

Methyl Acetate

Concen: 20.922 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD066017.D

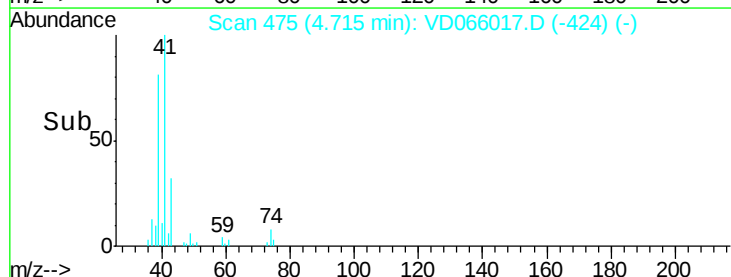
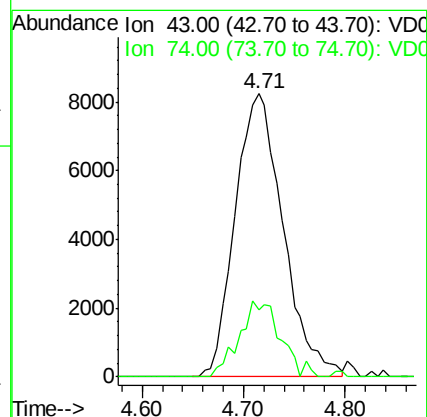
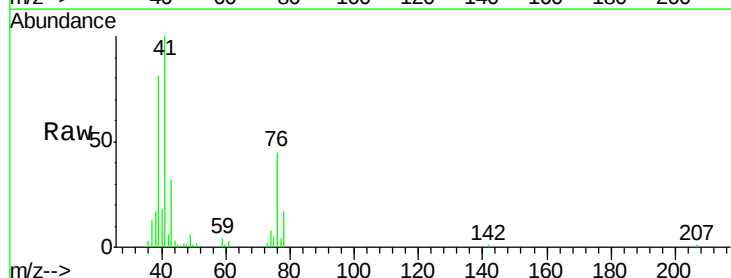
Acq: 23 Jul 2020 11:56

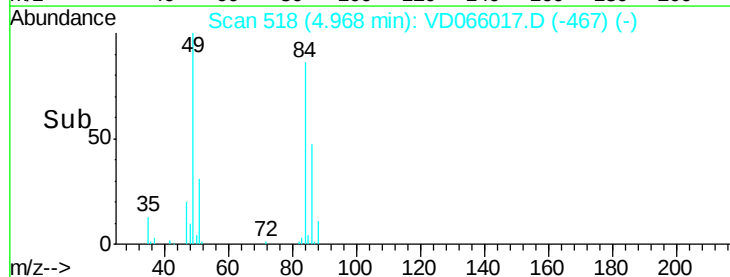
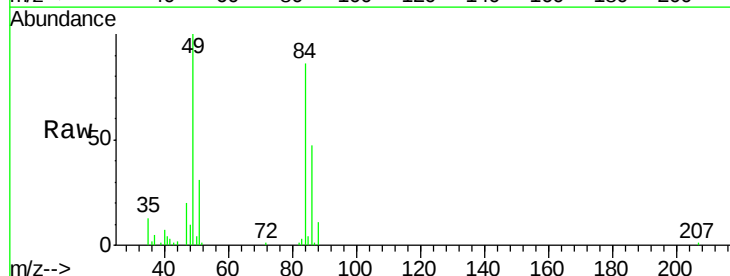
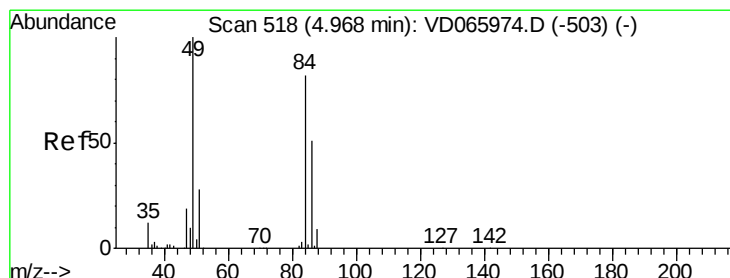
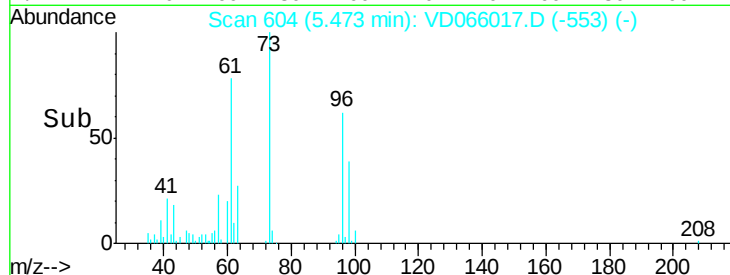
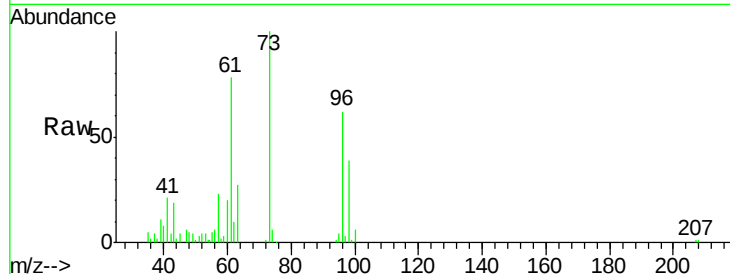
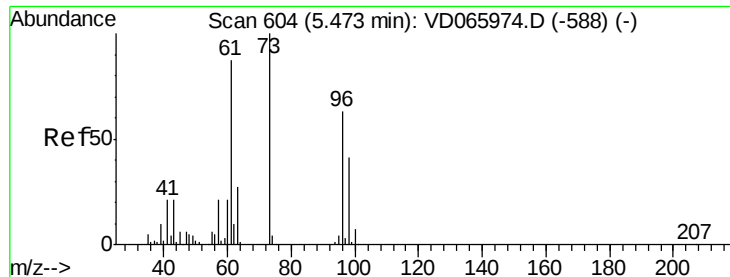
Tgt Ion: 43 Resp: 26996

Ion Ratio Lower Upper

43 100

74 22.2 19.2 28.8





#19

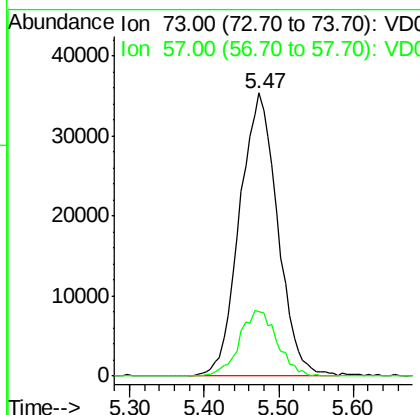
Methyl tert-butyl Ether
Concen: 21.939 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tot Ion	Ratio	Resp	Lower	Upper
73	100	125512		
57	22.7	17.0	25.4	

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Manual Integrations
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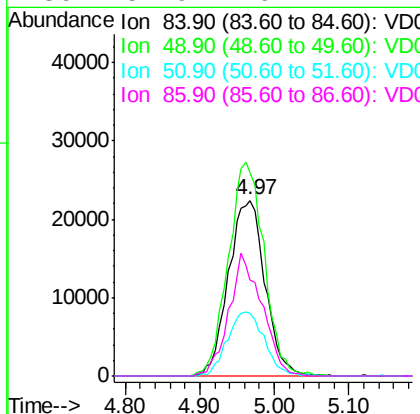
MMDadoda
7/24/2020 12:59:48 PM

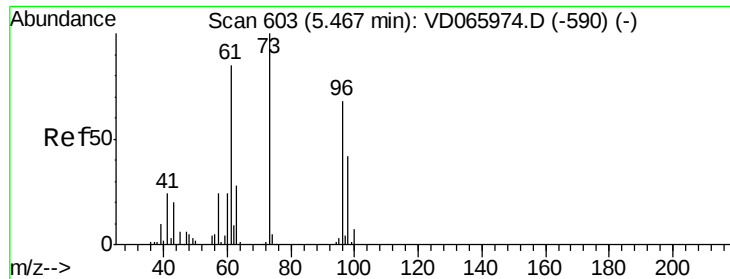


#20

Methylene Chloride
Concen: 23.239 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	76142		
49	115.9	97.7	146.5	
51	35.9	27.4	41.2	
86	54.9	49.4	74.2	





#21

trans-1,2-Dichloroethene

Concen: 22.108 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

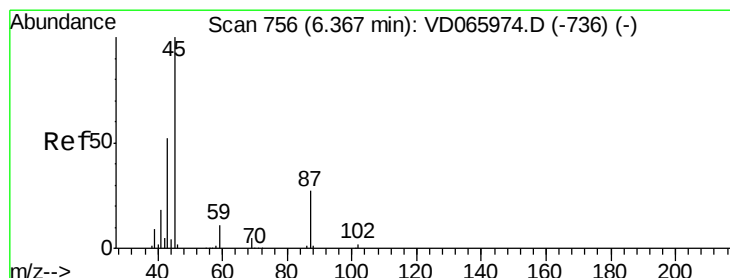
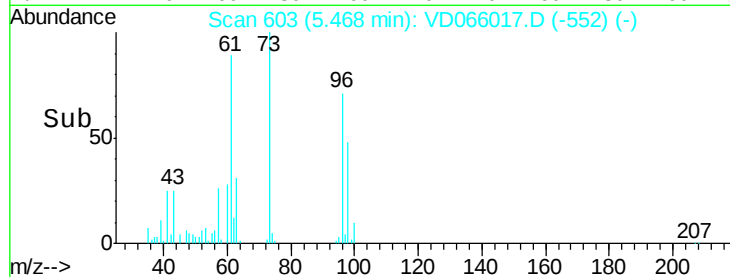
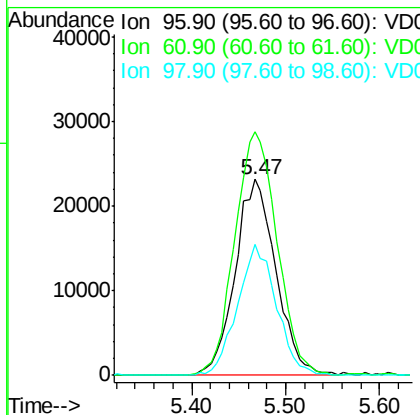
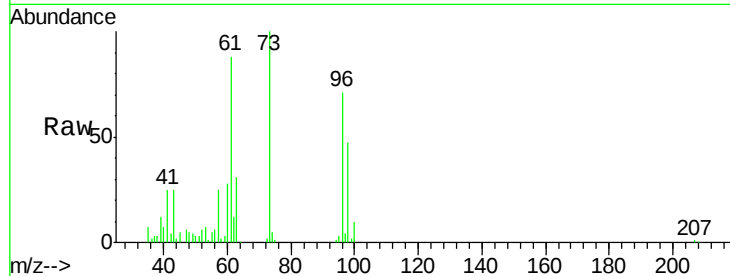
ClientSampleId :

VD0723SBS01

Tot Ion:	96	Resp:	69573
Ion	Ratio	Lower	Upper
96	100		
61	124.3	100.5	150.7
98	66.6	49.7	74.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.872 ug/l

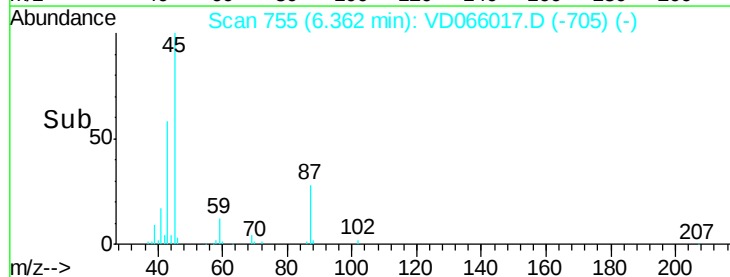
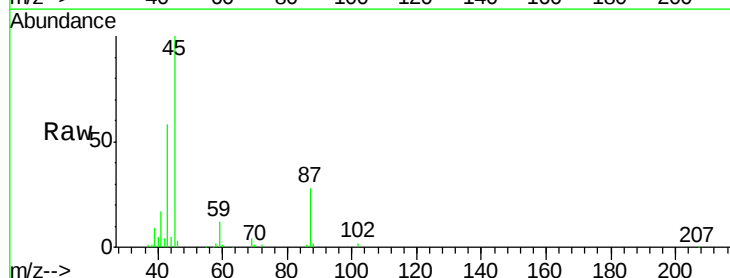
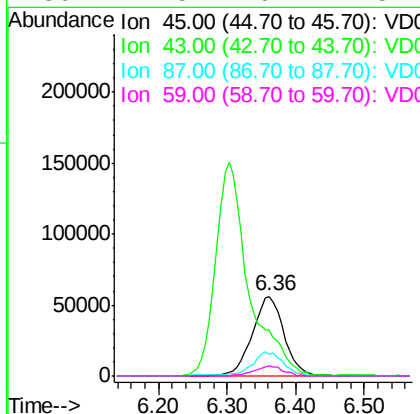
RT: 6.36 min Scan# 755

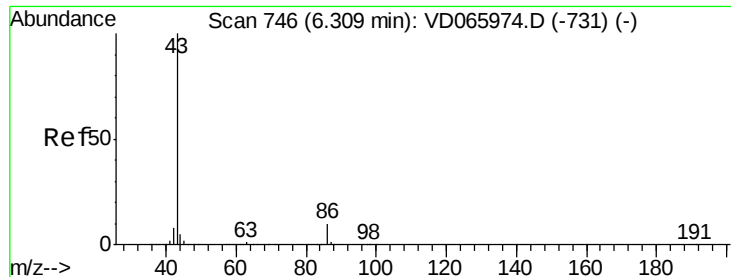
Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion:	45	Resp:	180863
Ion	Ratio	Lower	Upper
45	100		
43	56.2	43.0	64.4
87	27.7	22.0	33.0
59	12.5	9.1	13.7





#23

Vinyl Acetate

Concen: 108.915 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 43 Resp: 507933

Ion Ratio Lower Upper

43 100

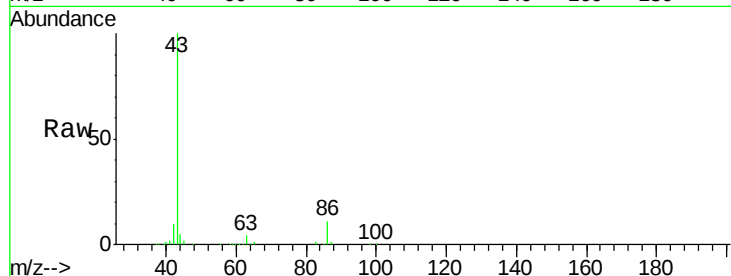
86 10.9 7.9 11.9

Manual Integrations

APPROVED

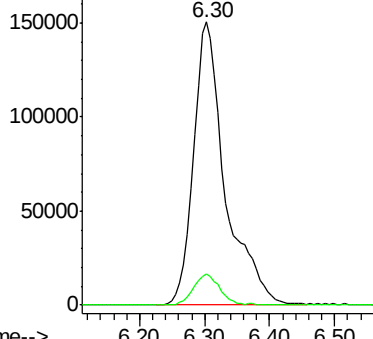
MMDadoda

7/24/2020 12:59:48 PM

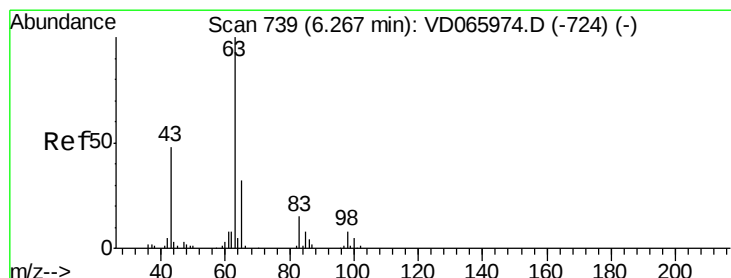
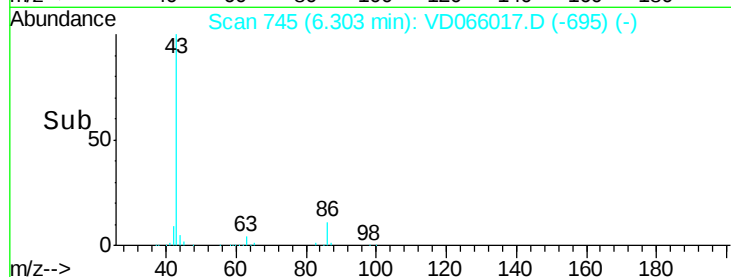


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 22.163 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

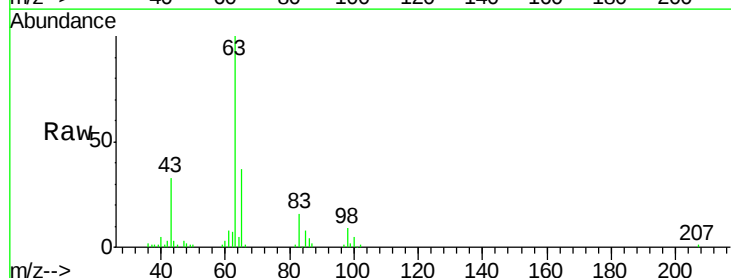
Tgt Ion: 63 Resp: 111044

Ion Ratio Lower Upper

63 100

98 8.7 4.3 12.8

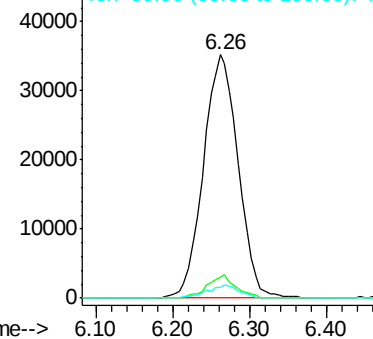
100 4.6 2.5 7.5



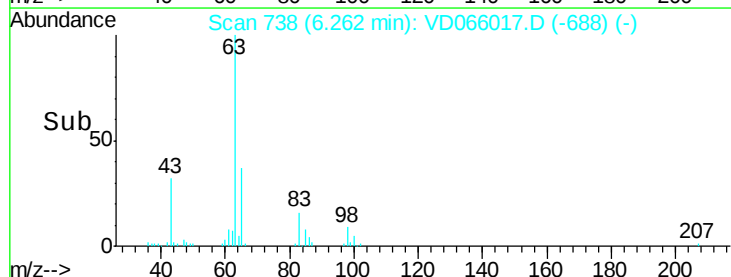
Abundance Ion 62.90 (62.60 to 63.60): VDC

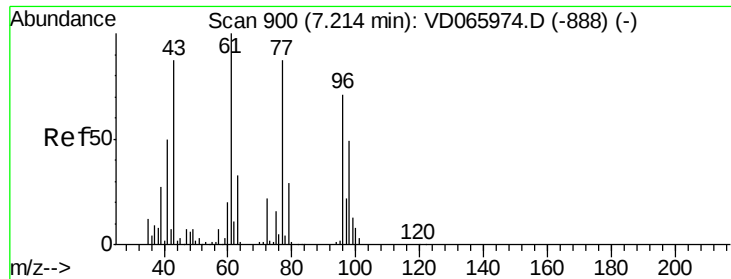
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 100.628 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 43 Resp: 74062

Ion Ratio Lower Upper

43 100

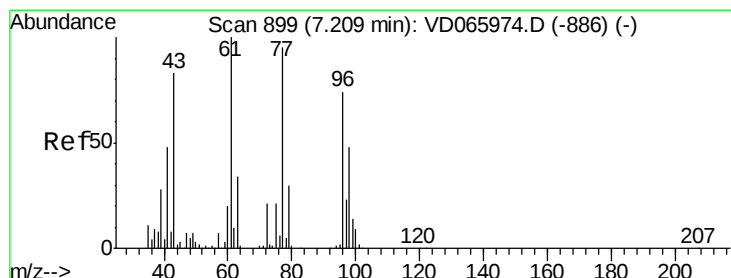
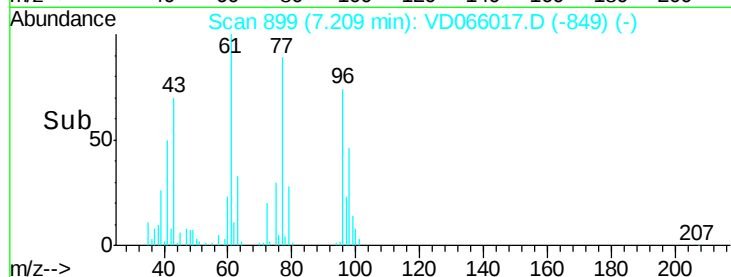
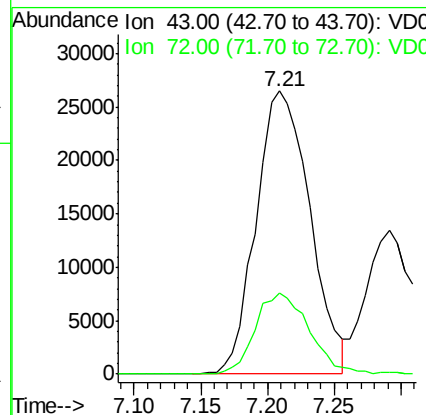
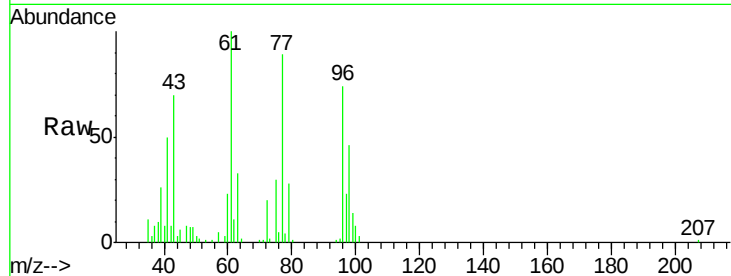
72 28.5 20.2 30.2

Manual Integrations

APPROVED

MMDadoda

7/24/2020 12:59:48 PM



#26

2,2-Dichloropropane

Concen: 23.102 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066017.D

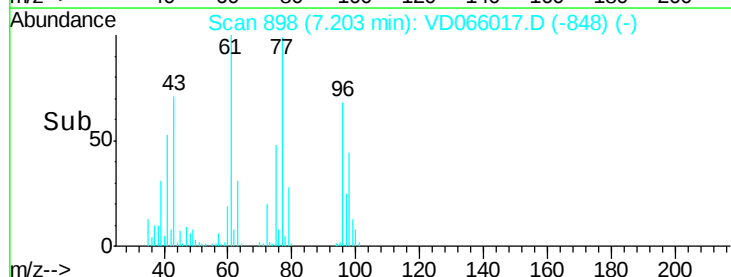
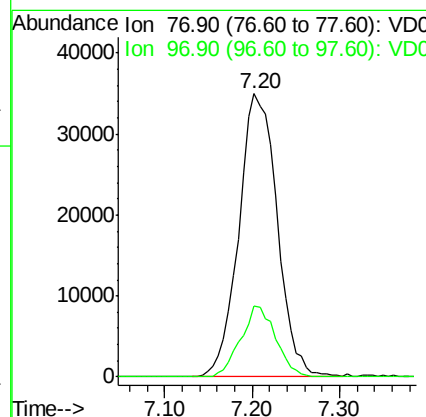
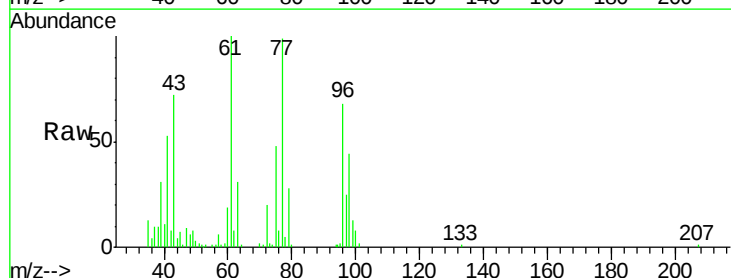
Acq: 23 Jul 2020 11:56

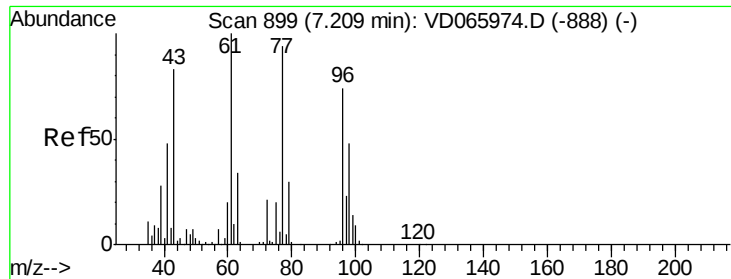
Tgt Ion: 77 Resp: 104089

Ion Ratio Lower Upper

77 100

97 22.7 11.6 34.7





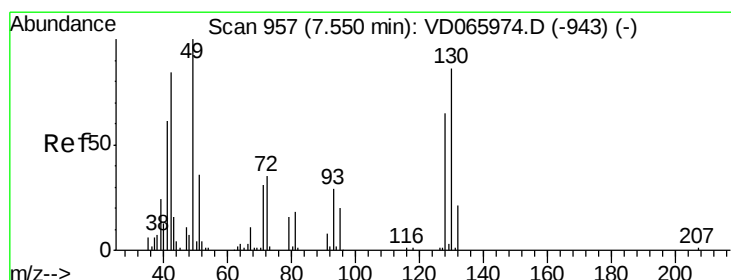
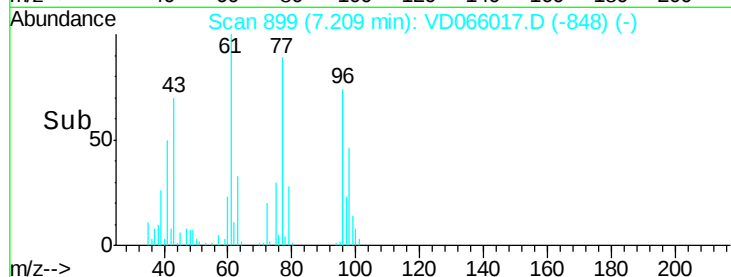
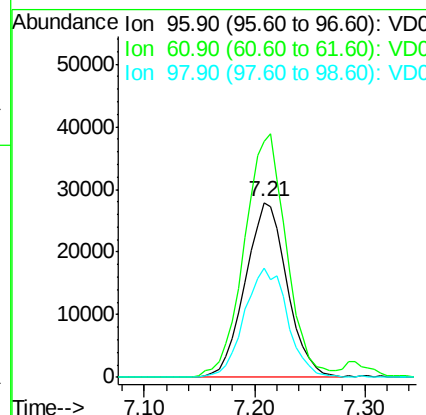
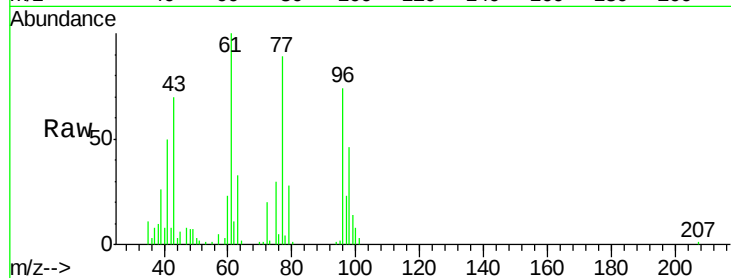
#27
 cis-1,2-Dichloroethene
 Concen: 22.327 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.2	0.0	276.6
98	64.2	0.0	130.8

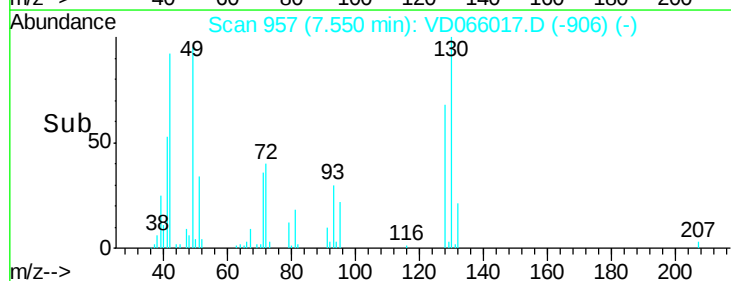
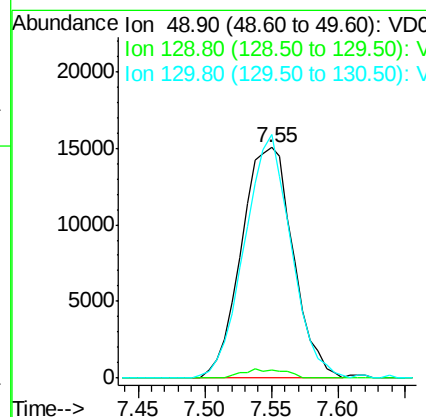
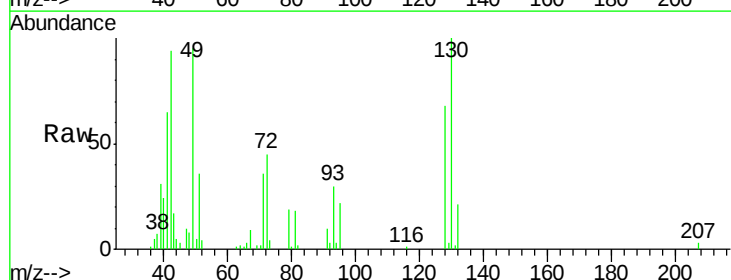
Manual Integrations
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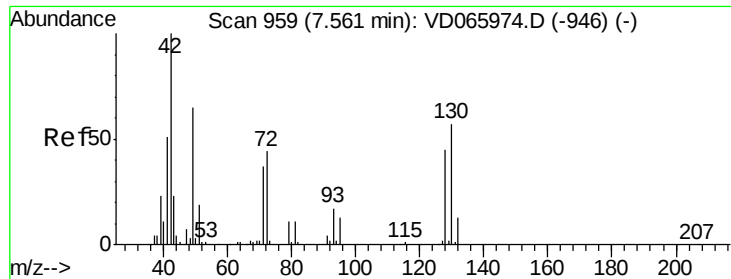
MMDadoda
 7/24/2020 12:59:48 PM



#28
 Bromochloromethane
 Concen: 19.018 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	4.8
130	95.2	68.4	102.6





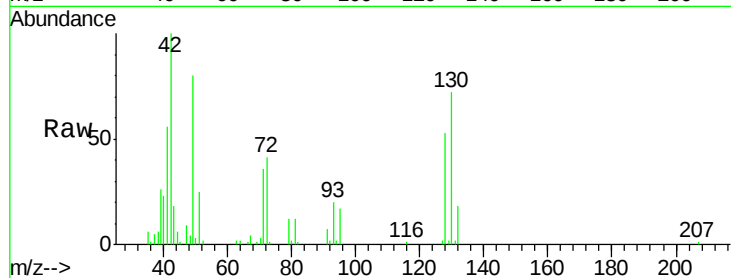
#29
Tetrahydrofuran
Concen: 104.017 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

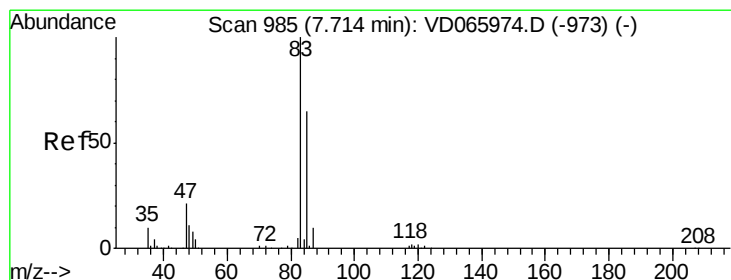
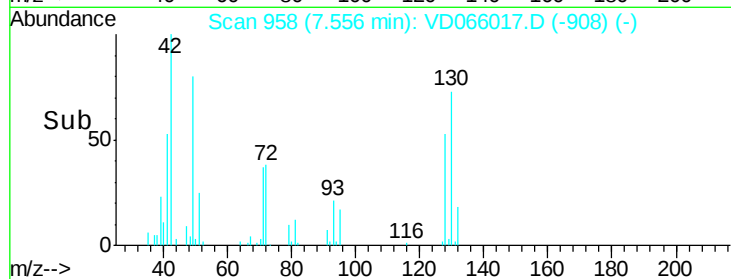
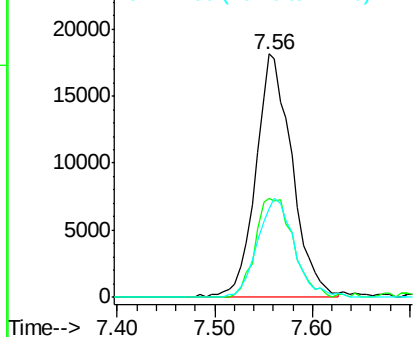
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	34.2	51.2
71	41.0	31.4	47.2

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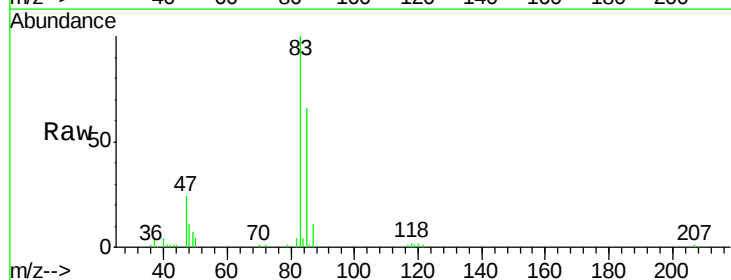


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

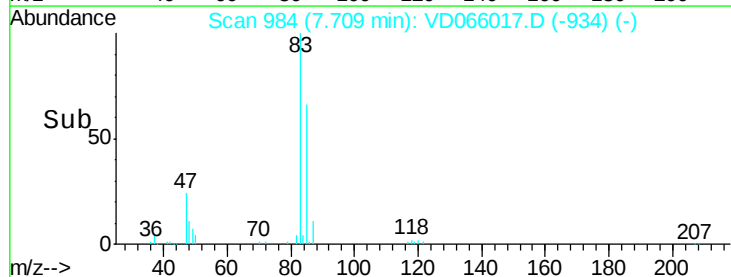
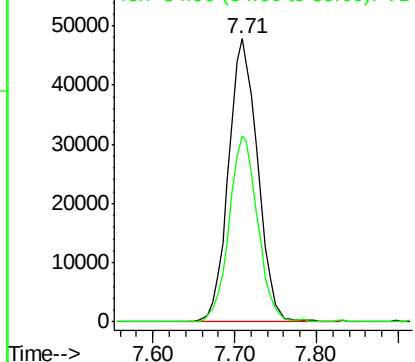


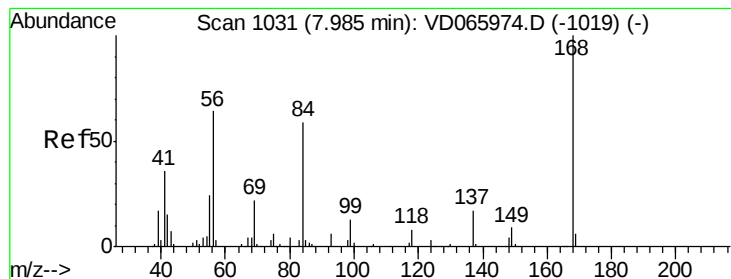
#30
Chloroform
Concen: 22.579 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.1	78.1



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





#31

Cyclohexane

Concen: 21.487 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

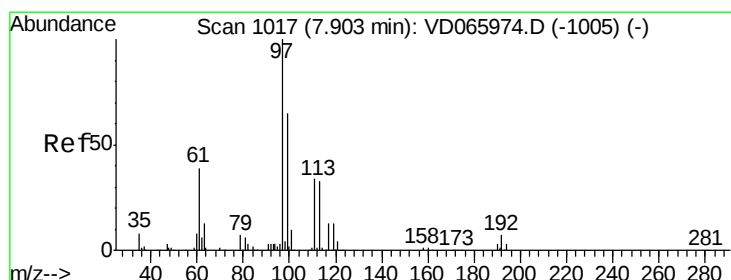
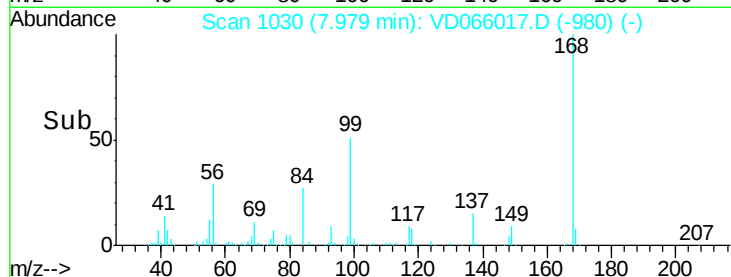
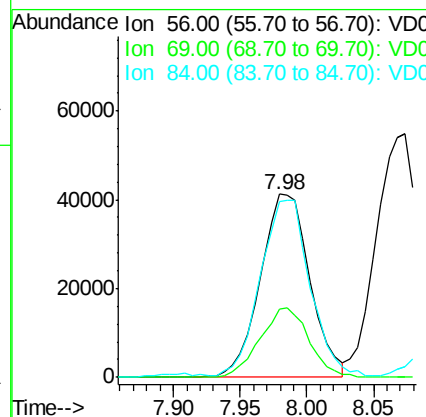
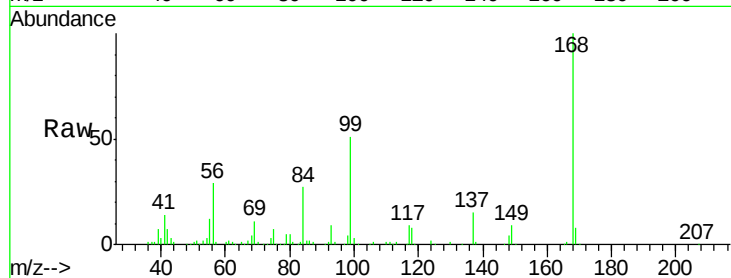
ClientSampleId :

VD0723SBS01

Tot Ion:	56	Resp:	105914
Ion Ratio	Lower	Upper	
56	100		
69	37.2	28.0	42.0
84	94.7	72.6	109.0

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#32

1,1,1-Trichloroethane

Concen: 23.176 ug/l

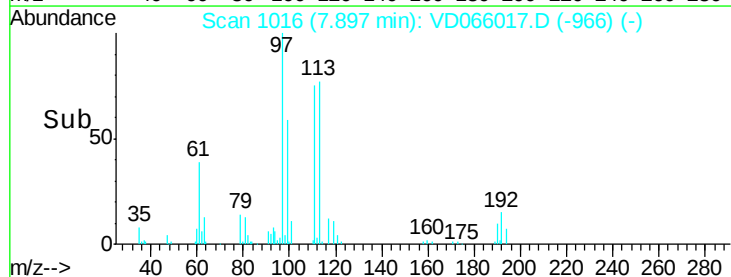
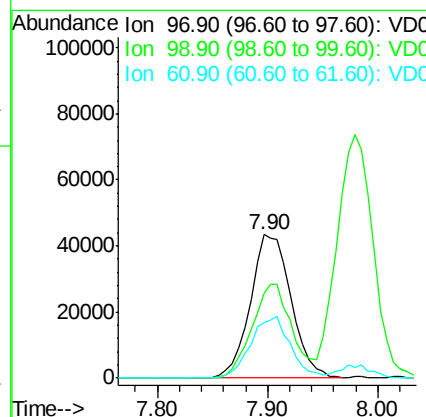
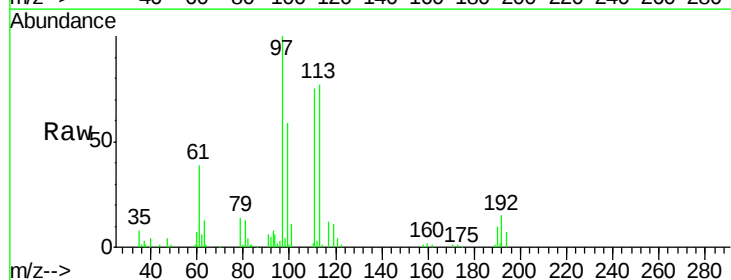
RT: 7.90 min Scan# 1016

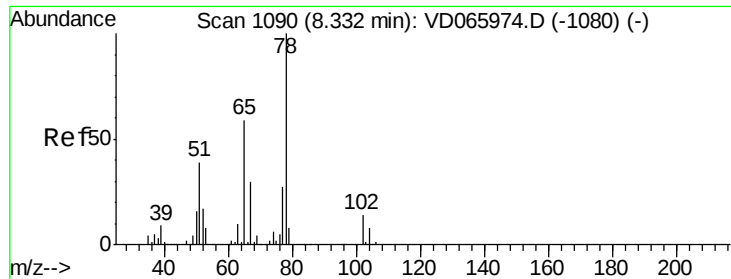
Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion:	97	Resp:	112357
Ion Ratio	Lower	Upper	
97	100		
99	65.0	51.8	77.6
61	41.7	33.3	49.9





#33

1,2-Dichloroethane-d4

Concen: 54.407 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 65 Resp: 149090

Ion Ratio Lower Upper

65 100

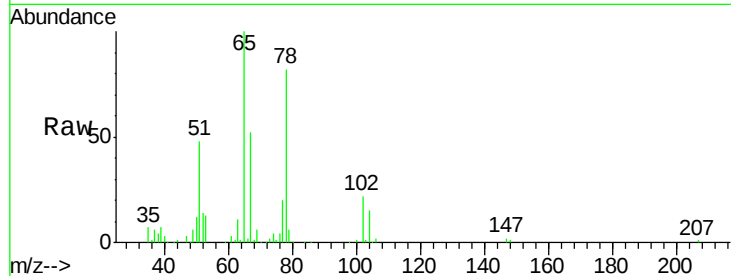
67 51.9 0.0 105.0

Manual Integrations

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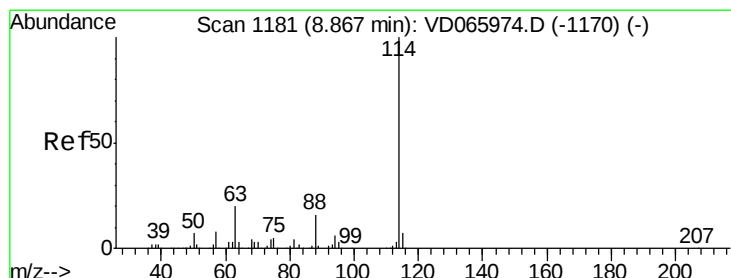
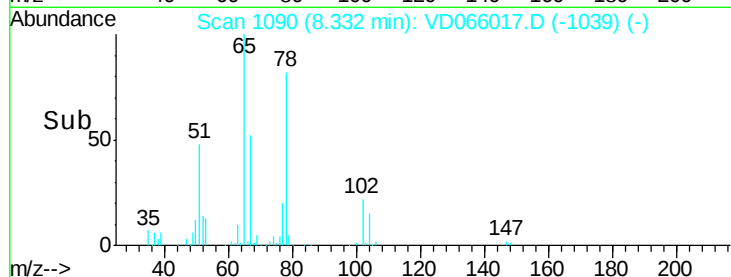
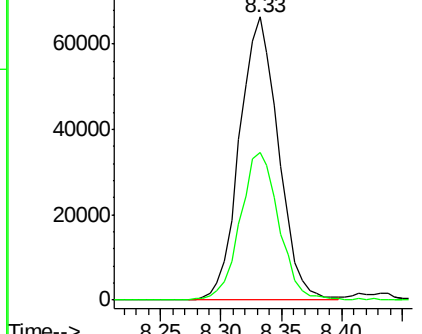
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

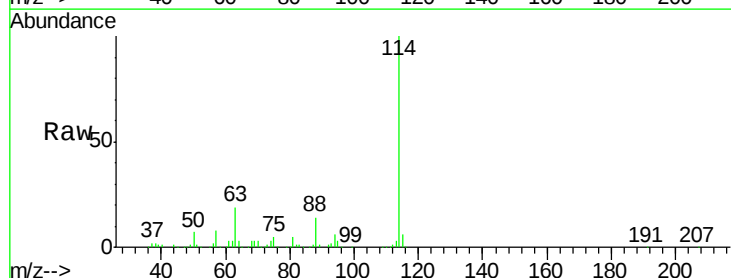
Tgt Ion: 114 Resp: 489048

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

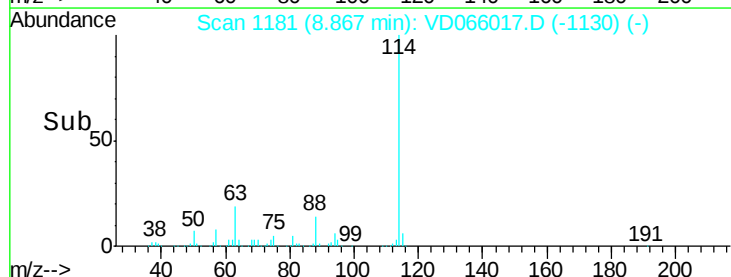
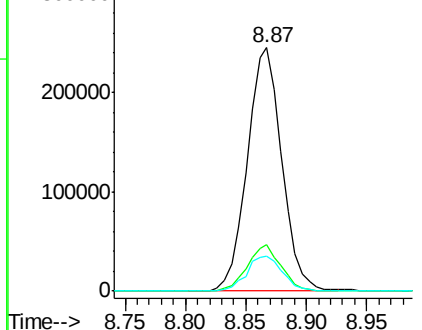
88 14.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





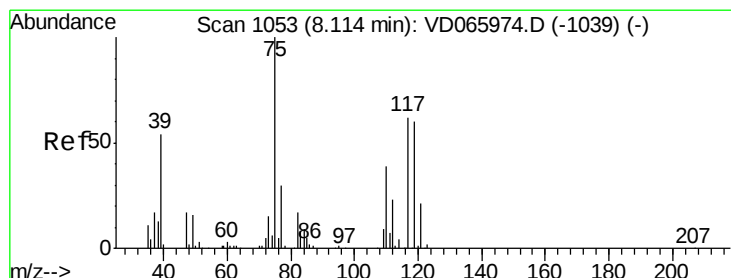
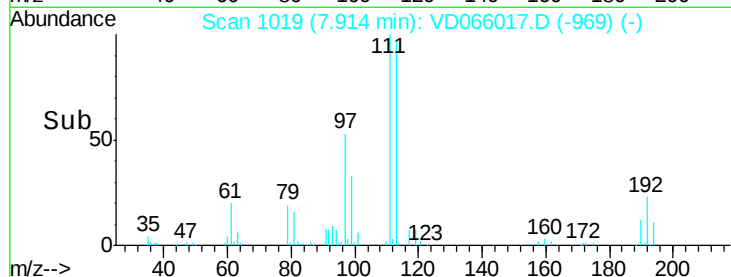
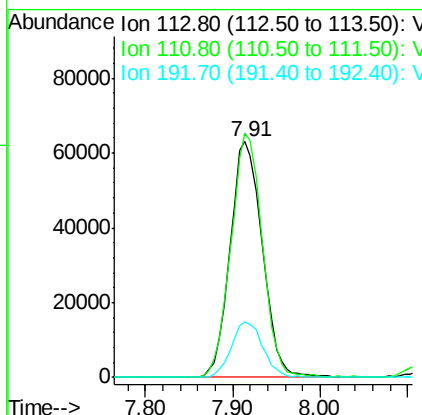
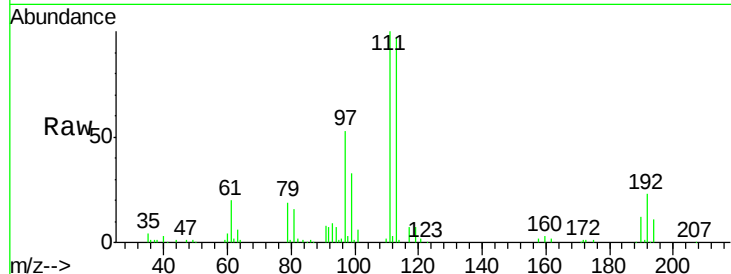
#35
Dibromofluoromethane
Concen: 53.057 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	157380		
111	101.2	83.2	124.8	
192	22.9	18.7	28.1	

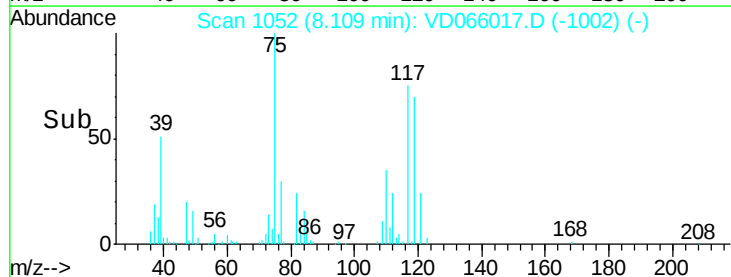
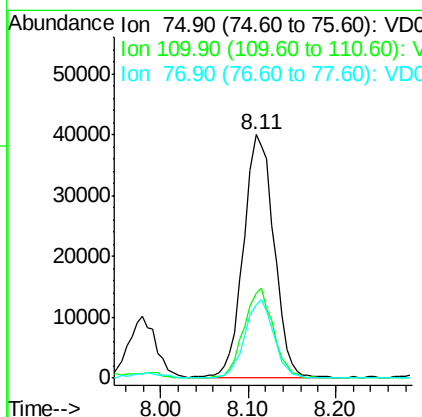
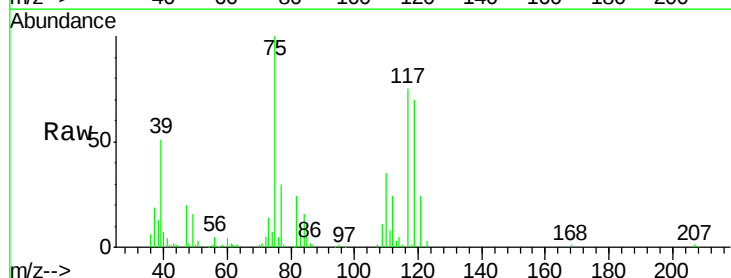
Manual Integrations
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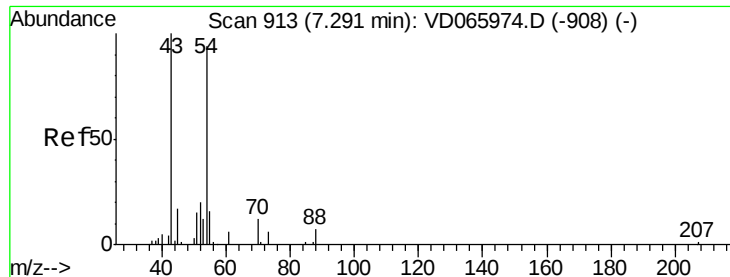
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#36
1,1-Dichloropropene
Concen: 22.756 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	94980		
110	35.1	19.5	58.5	
77	30.2	24.7	37.1	





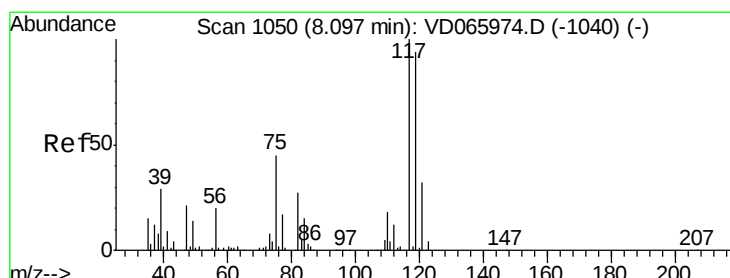
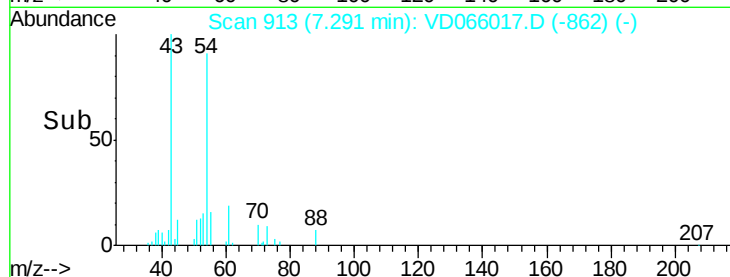
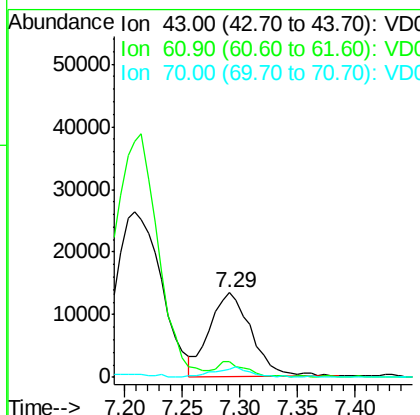
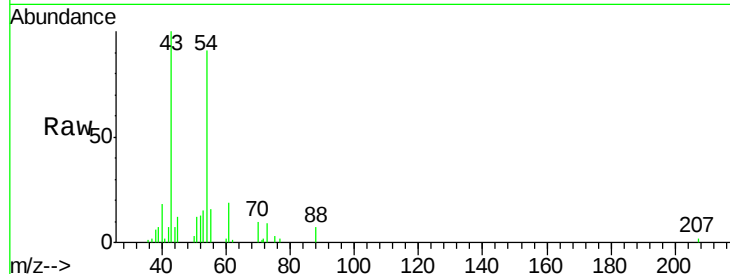
#37
Ethyl Acetate
Concen: 21.064 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleID :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.4	17.0
70	10.9	9.3	13.9

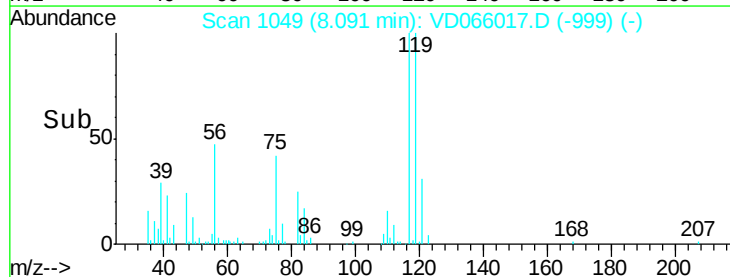
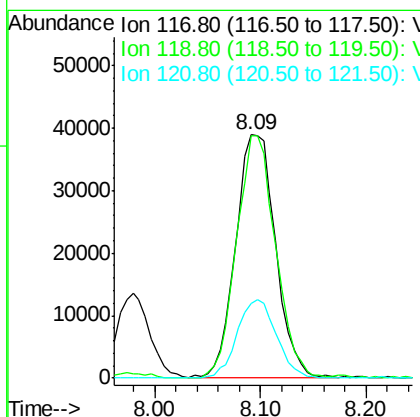
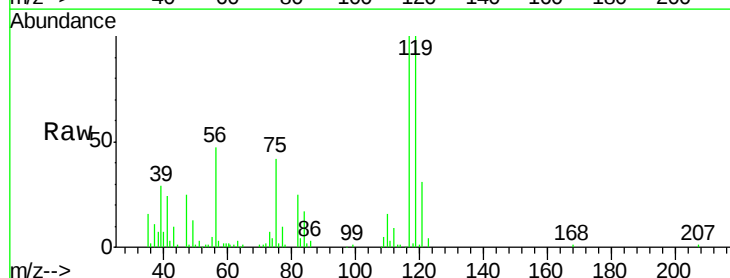
Manual Integrations
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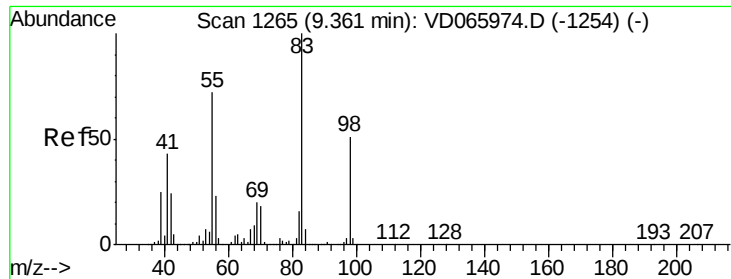
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#38
Carbon Tetrachloride
Concen: 22.371 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	100.2	75.0	112.6
121	30.9	25.5	38.3





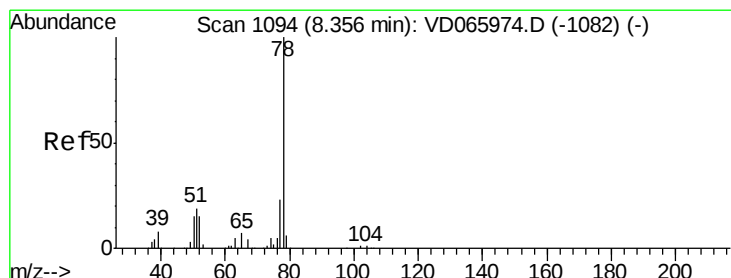
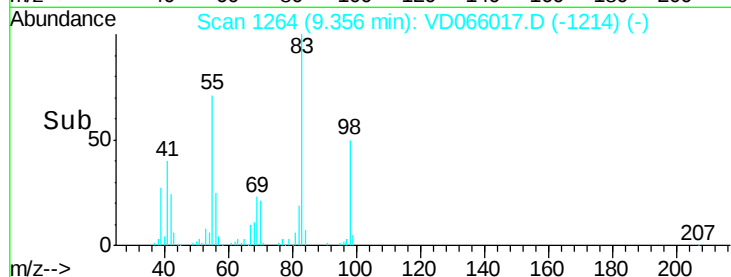
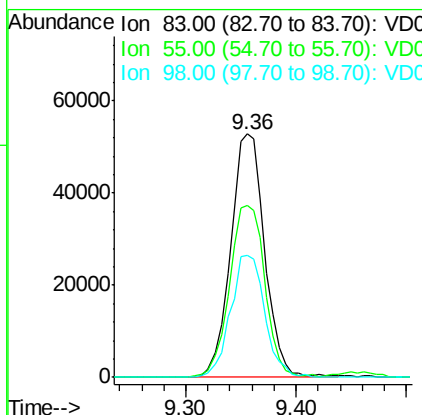
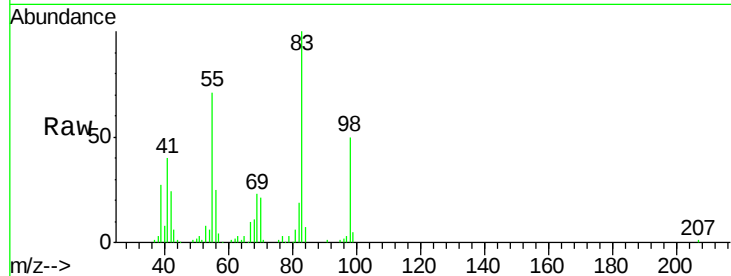
#39
Methvlcvclohexane
Concen: 22.540 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	83	Resp	113928
Ion Ratio	Lower	Upper	
83	100		
55	70.5	57.3	85.9
98	50.4	41.0	61.6

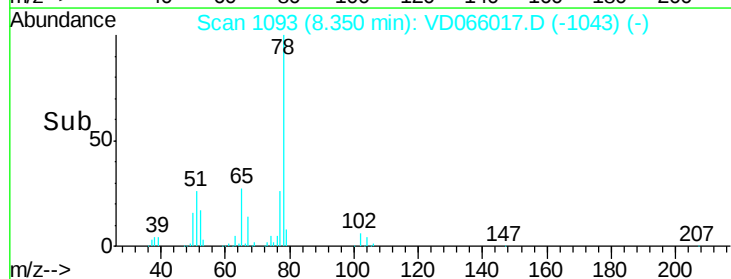
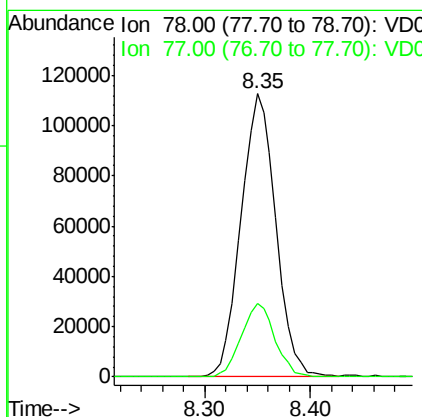
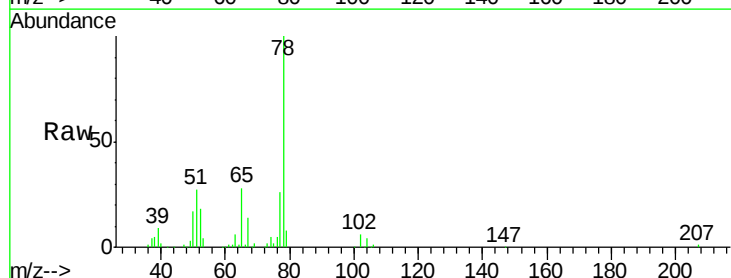
Manual Integrations
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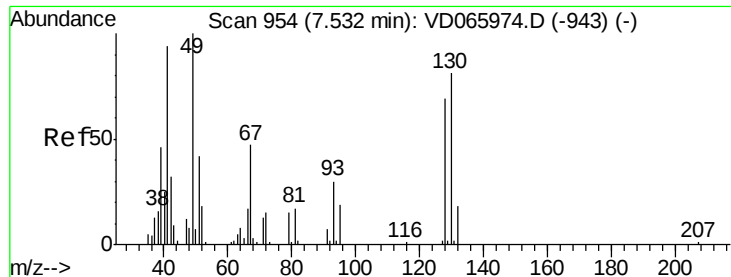
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#40
Benzene
Concen: 22.097 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	78	Resp	258020
Ion Ratio	Lower	Upper	
78	100		
77	25.8	18.6	27.8





#41

Methacrylonitrile

Concen: 22.134 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 41 Resp: 20211

Ion Ratio Lower Upper

41 100

39 51.0 0.0 0.0#

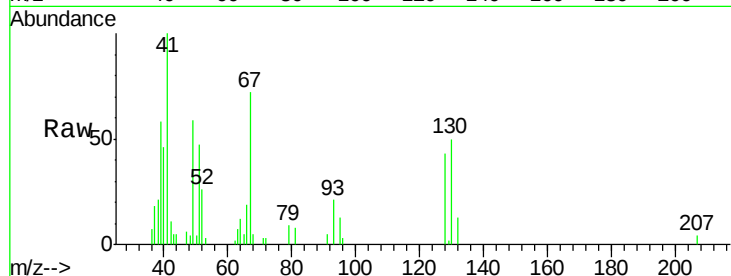
67 75.4 0.0 0.0#

52 32.3 0.0 0.0#

Manual Integrations
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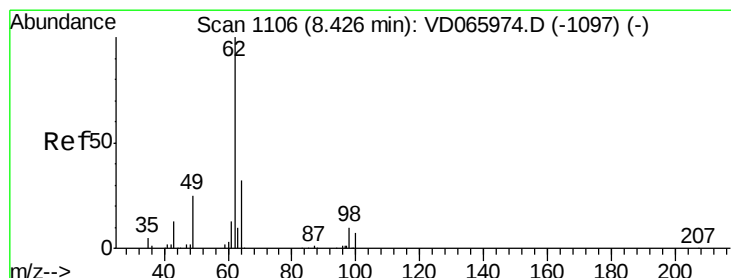
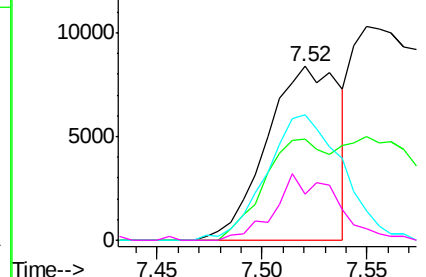
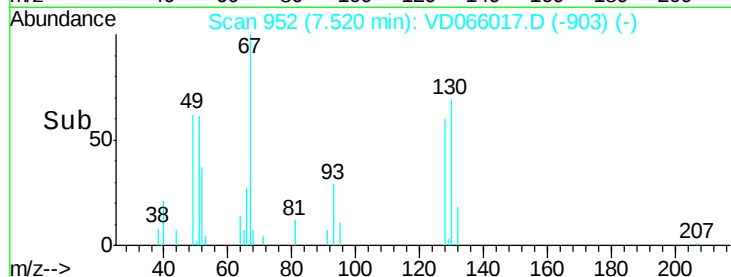


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.496 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD066017.D

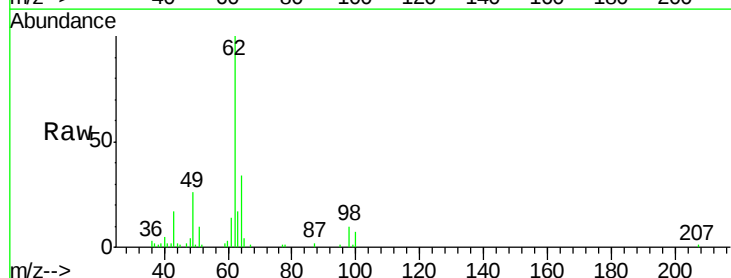
Acq: 23 Jul 2020 11:56

Tgt Ion: 62 Resp: 71980

Ion Ratio Lower Upper

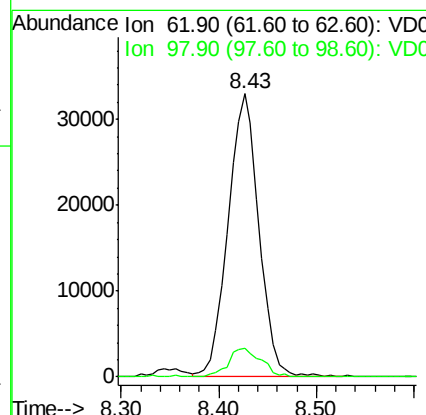
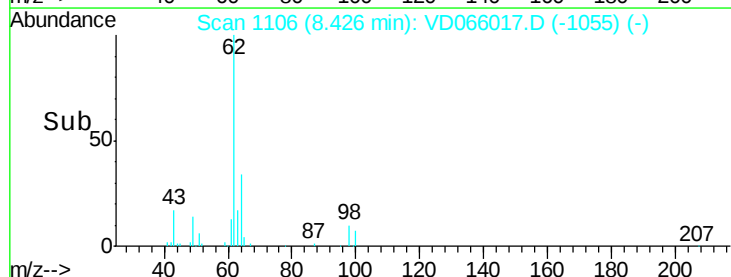
62 100

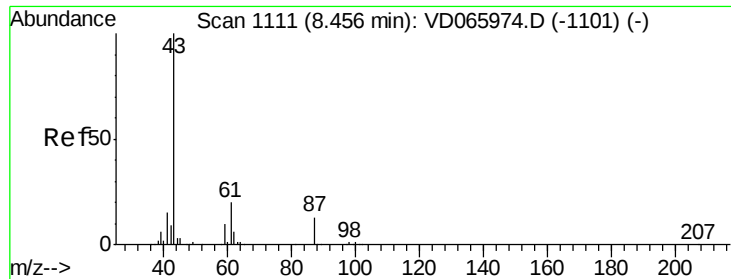
98 10.6 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.082 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

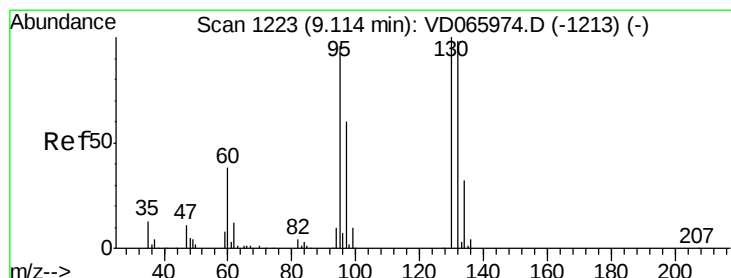
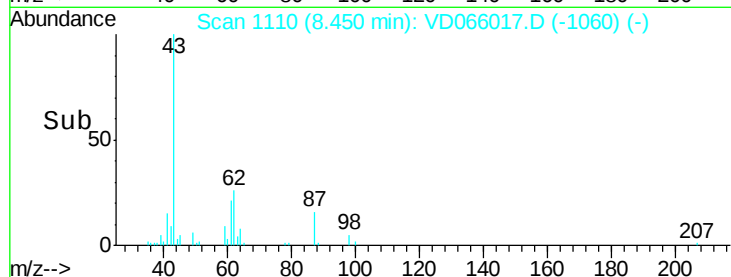
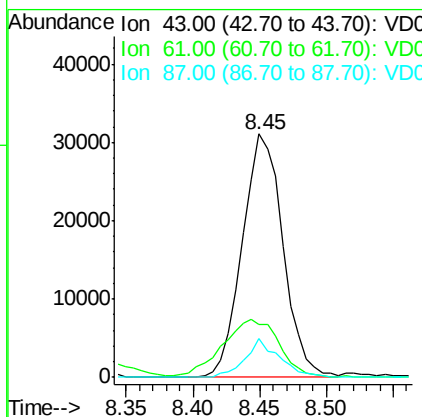
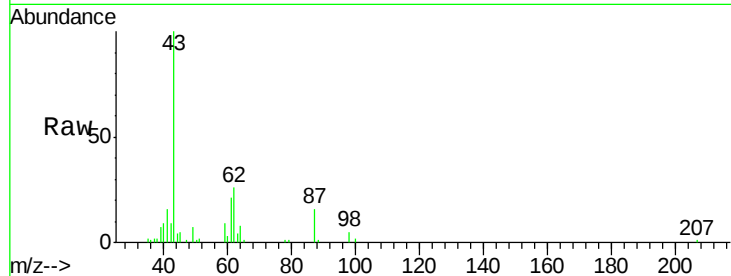
ClientSampleId :

VD0723SBS01

Tot Ion:	43	Resp:	65635
Ion	Ratio	Lower	Upper
43	100		
61	33.1	25.8	38.8
87	13.3	10.9	16.3

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#44

Trichloroethene

Concen: 22.717 ug/l

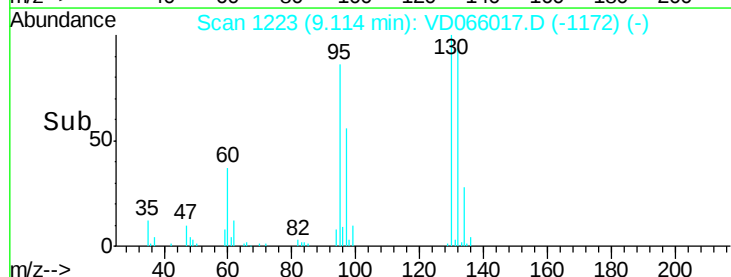
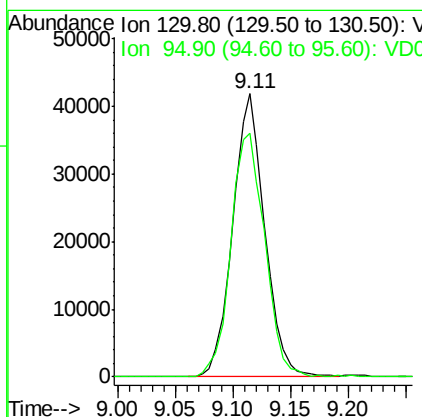
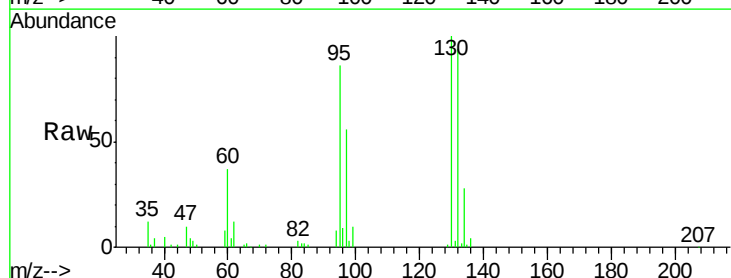
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion:	130	Resp:	80273
Ion	Ratio	Lower	Upper
130	100		
95	85.9	0.0	191.6





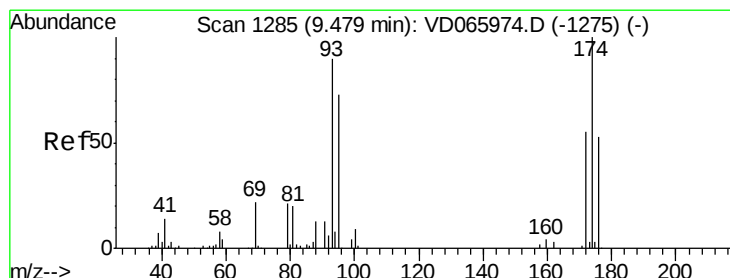
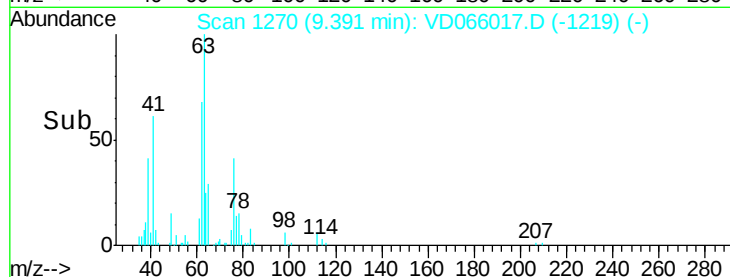
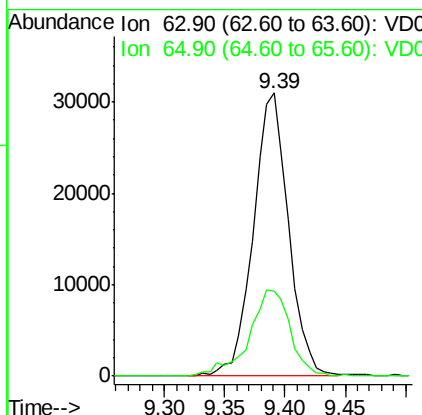
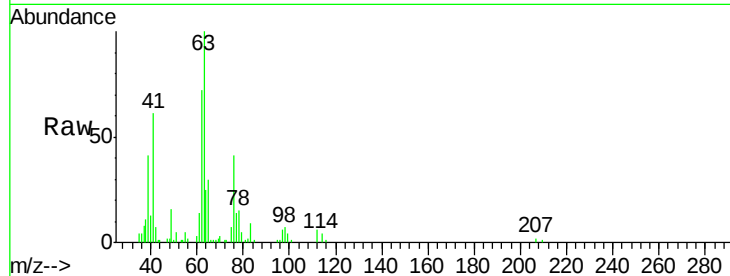
#45
 1,2-Dichloropropane
 Concen: 22.234 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion: 63 Resp: 62880
 Ion Ratio Lower Upper
 63 100
 65 30.1 24.0 36.0

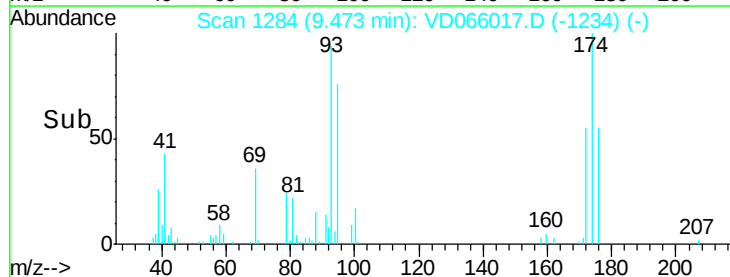
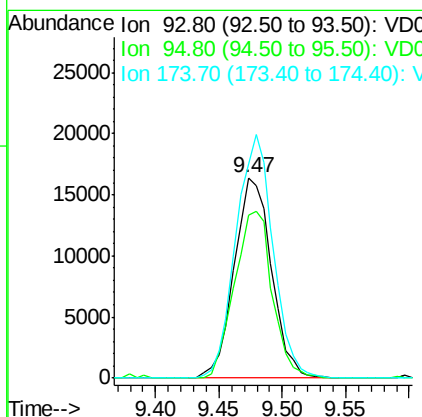
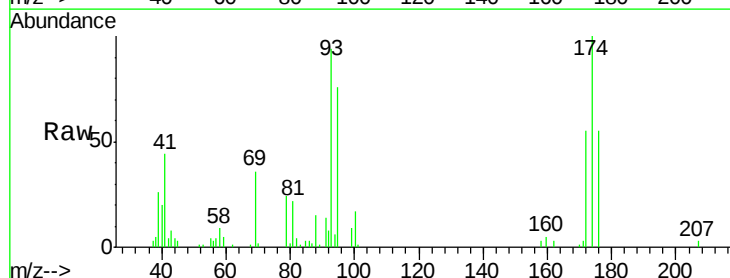
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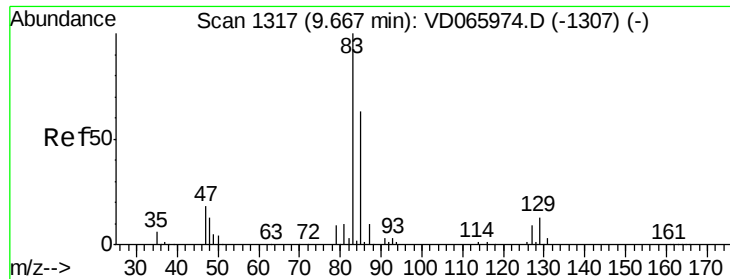
MMDadoda
 7/24/2020 12:59:48 PM



#46
 Dibromomethane
 Concen: 21.993 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion: 93 Resp: 33482
 Ion Ratio Lower Upper
 93 100
 95 84.3 66.2 99.4
 174 121.2 91.5 137.3





#47

Bromodichloromethane

Concen: 22.304 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

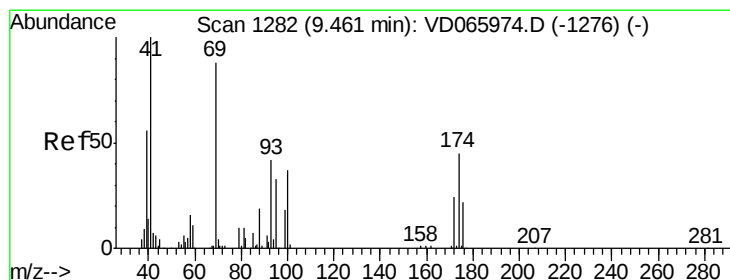
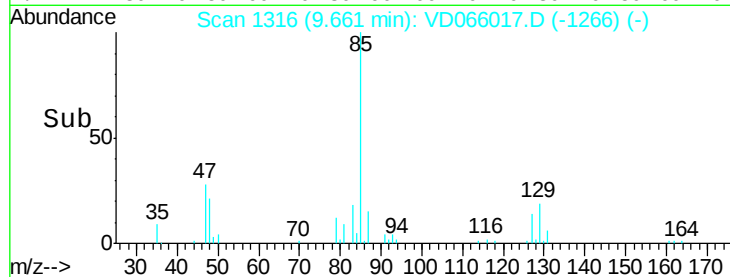
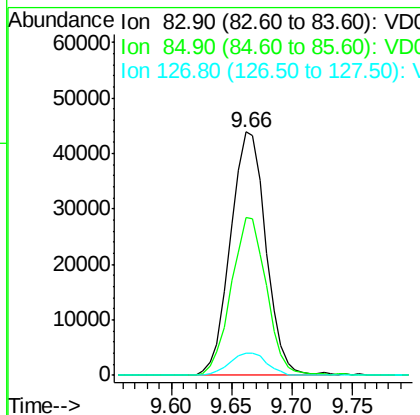
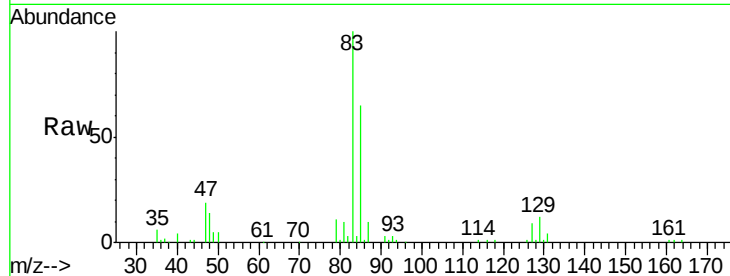
ClientSampleId :

VD0723SBS01

Tot Ion:	83	Resp:	89785
Ion Ratio	Lower	Upper	
83	100		
85	64.6	50.6	75.8
127	9.0	7.1	10.7

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.390 ug/l

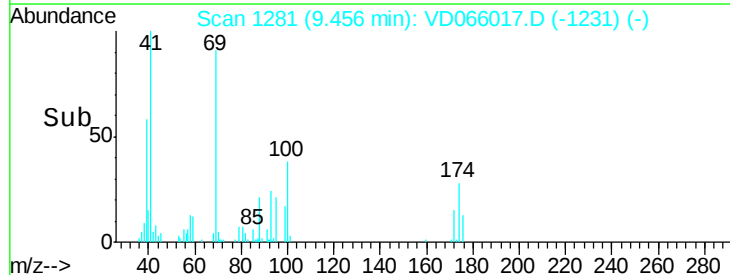
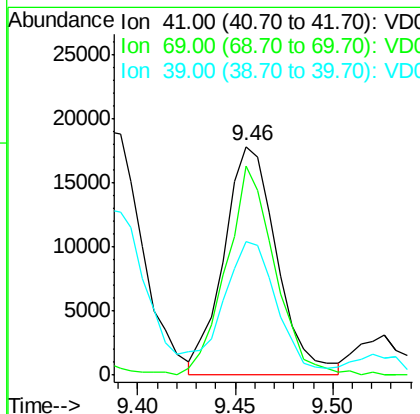
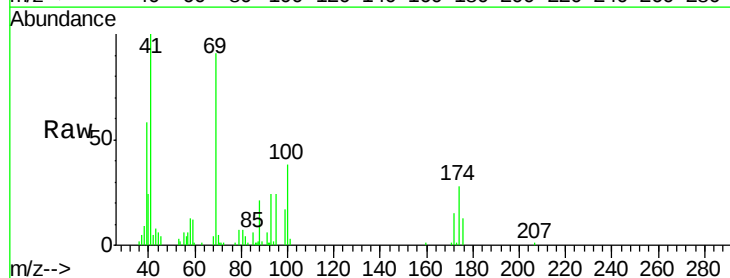
RT: 9.46 min Scan# 1281

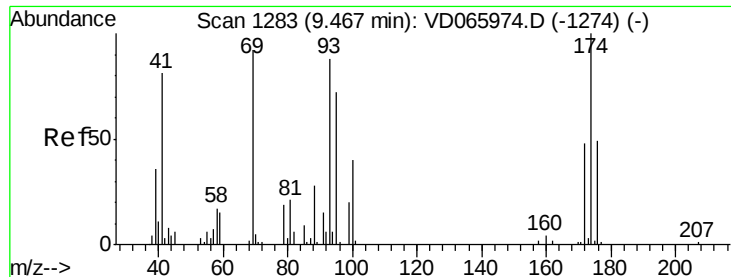
Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion:	41	Resp:	33591
Ion Ratio	Lower	Upper	
41	100		
69	83.8	65.1	97.7
39	53.0	41.5	62.3





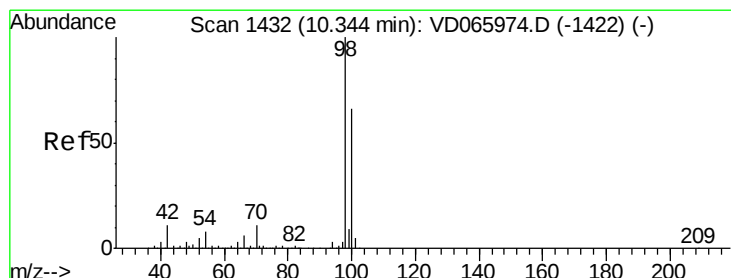
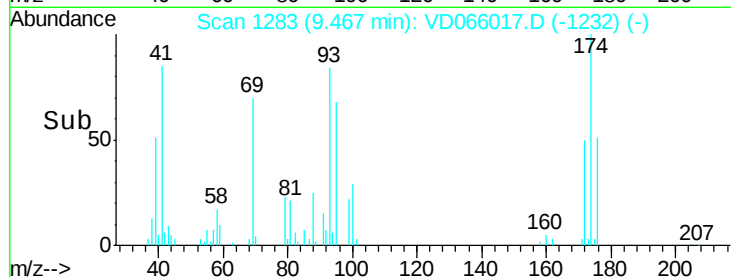
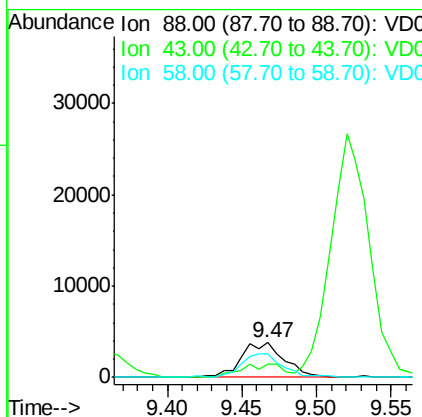
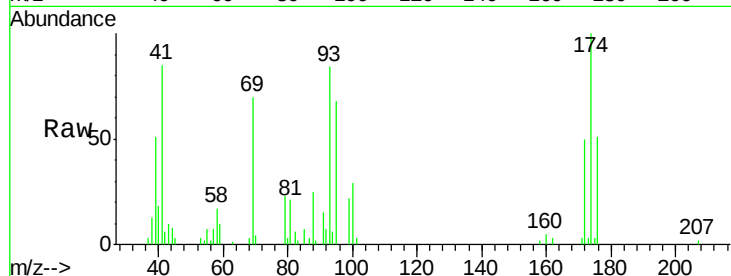
#49
1,4-Dioxane
Concen: 435.196 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	88	Resp	7676
Ion	Ratio	Lower	Upper
88	100		
43	37.7	29.0	43.6
58	65.7	57.0	85.4

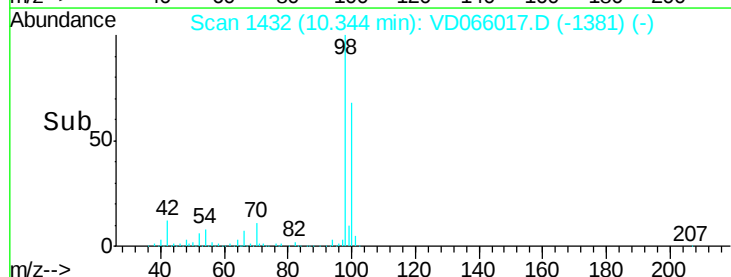
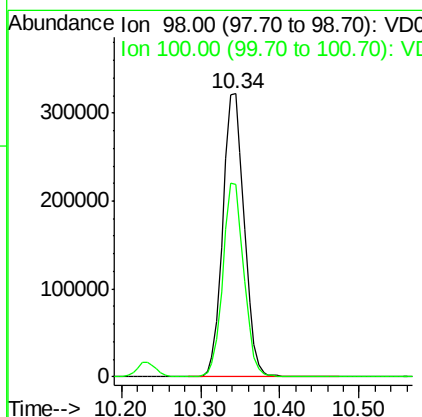
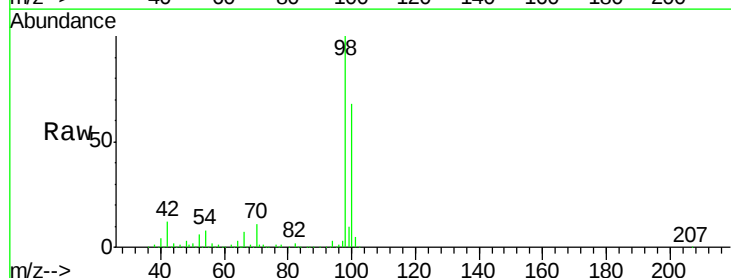
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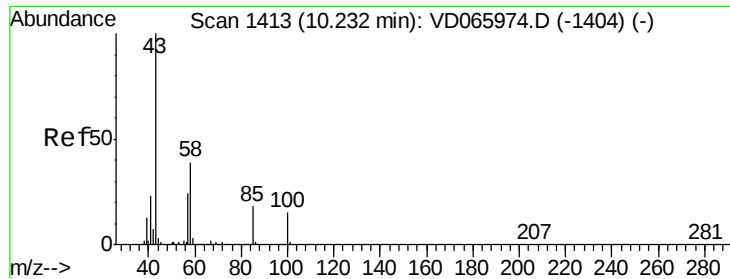
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#50
Toluene-d8
Concen: 54.654 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	98	Resp	603922
Ion	Ratio	Lower	Upper
98	100		
100	67.2	52.7	79.1





#51

4-Methyl-2-Pentanone

Concen: 107.978 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 43 Resp: 169378

Ion Ratio Lower Upper

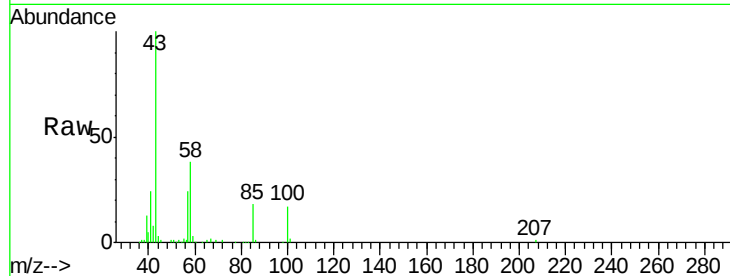
43 100

58 38.3 31.3 46.9

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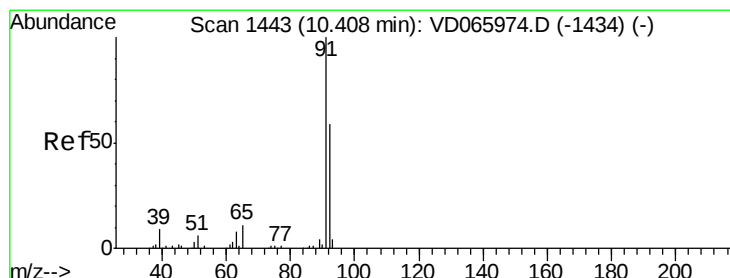
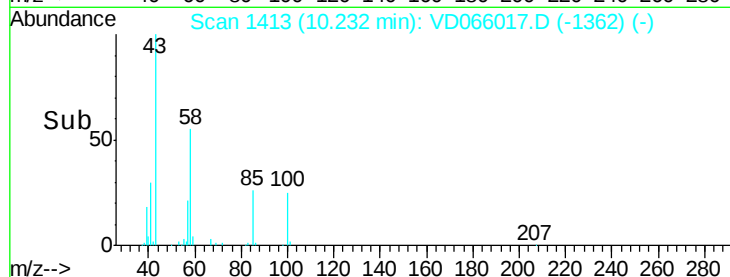
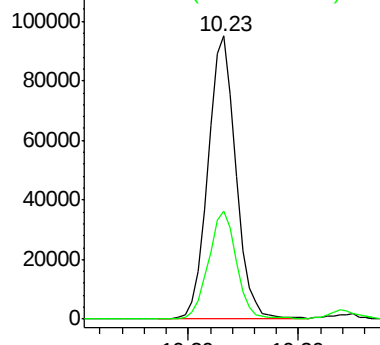
MMDadoda

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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: 23.535 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD066017.D

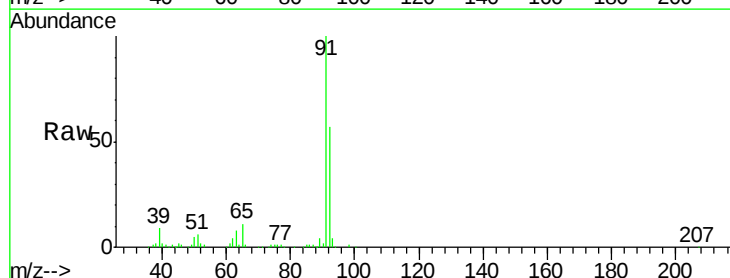
Acq: 23 Jul 2020 11:56

Tgt Ion: 92 Resp: 179216

Ion Ratio Lower Upper

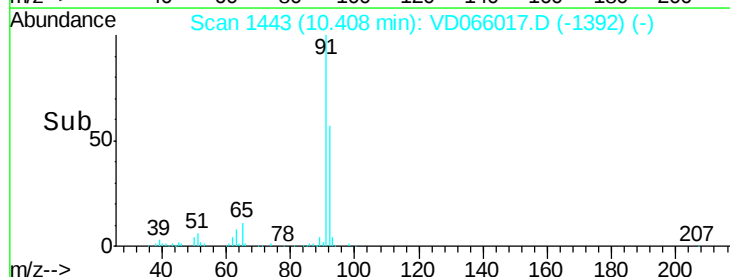
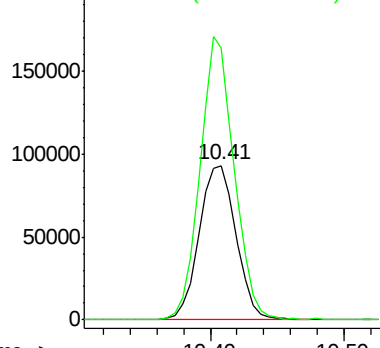
92 100

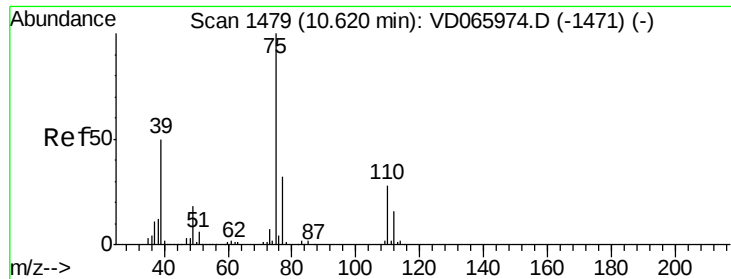
91 168.9 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





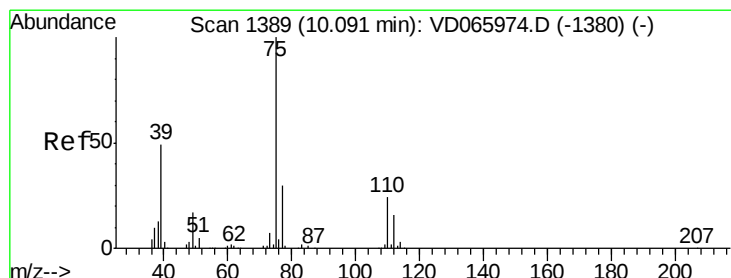
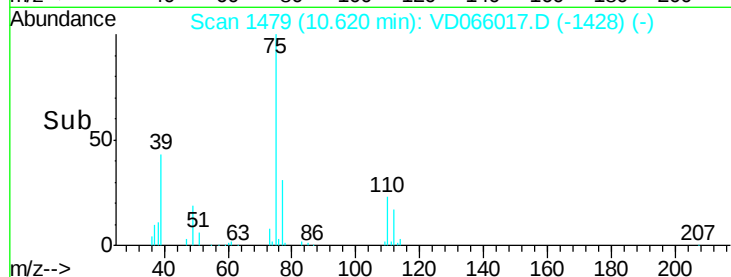
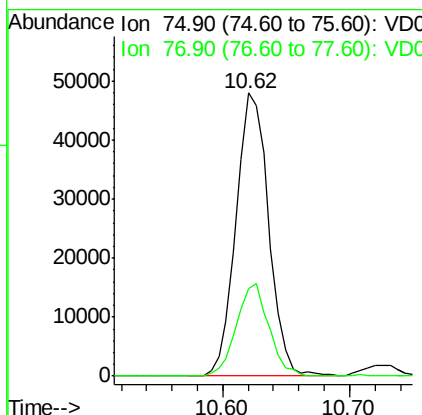
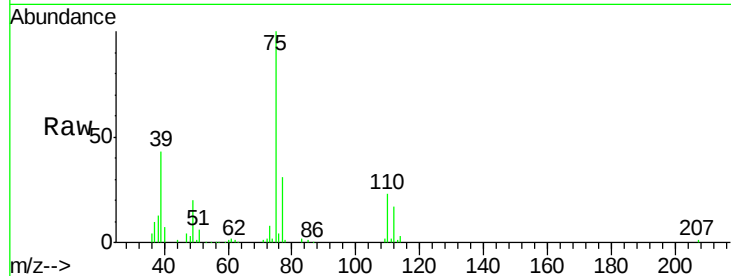
#53
t-1,3-Dichloropropene
Concen: 22.919 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion: 75 Resp: 85951
Ion Ratio Lower Upper
75 100
77 31.1 25.8 38.6

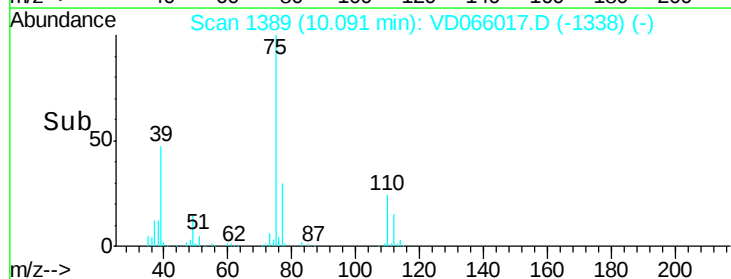
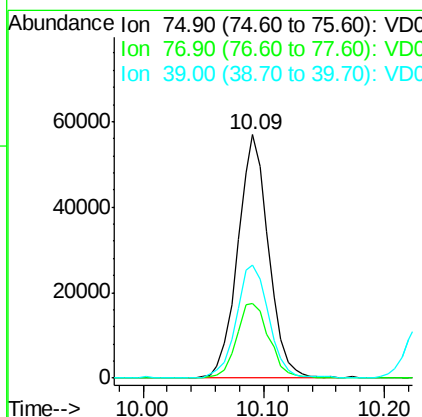
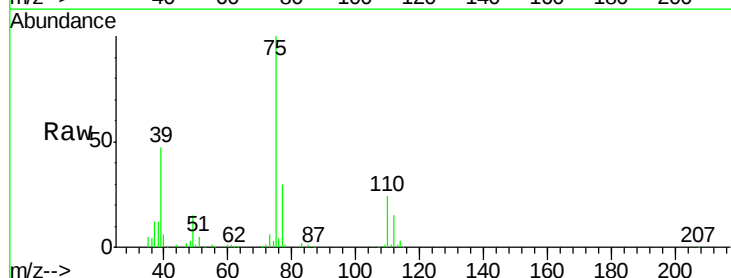
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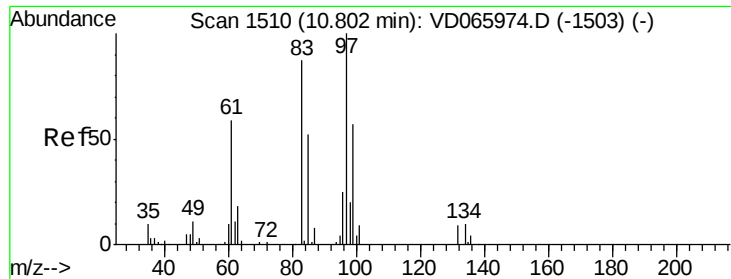
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#54
cis-1,3-Dichloropropene
Concen: 22.223 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 75 Resp: 101027
Ion Ratio Lower Upper
75 100
77 30.4 23.8 35.8
39 46.6 38.8 58.2





#55

1,1,2-Trichloroethane

Concen: 22.196 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 97 Resp: 47925

Ion Ratio Lower Upper

97 100

83 90.4 69.7 104.5

85 55.4 41.6 62.4

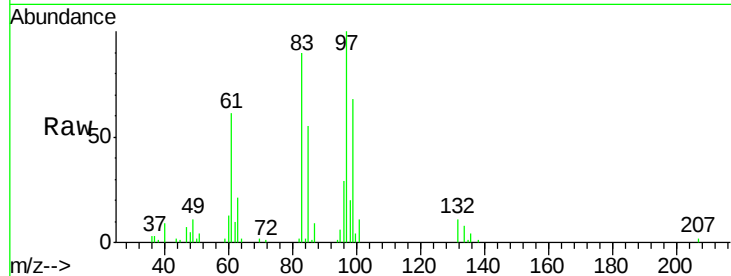
99 68.3 45.9 68.9

Manual Integrations

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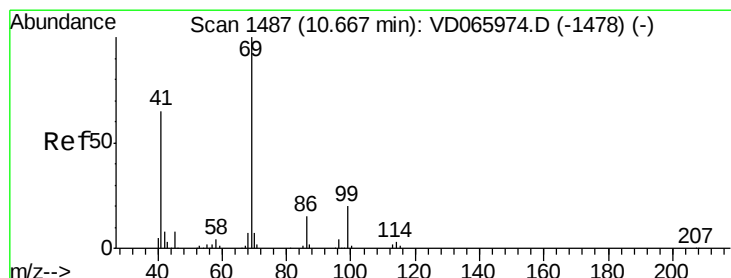
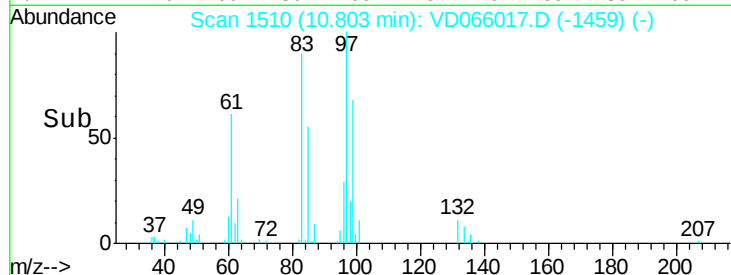
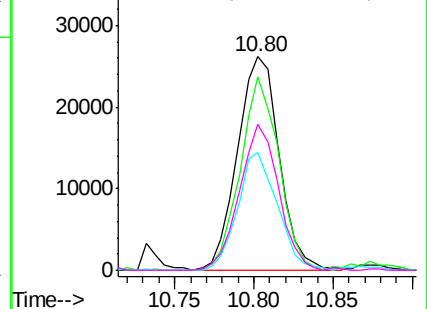


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.862 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

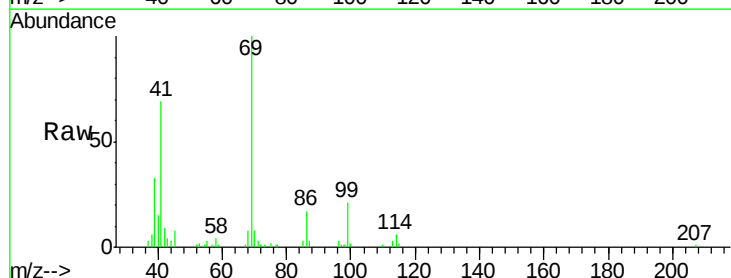
Tgt Ion: 69 Resp: 54882

Ion Ratio Lower Upper

69 100

41 67.6 52.3 78.5

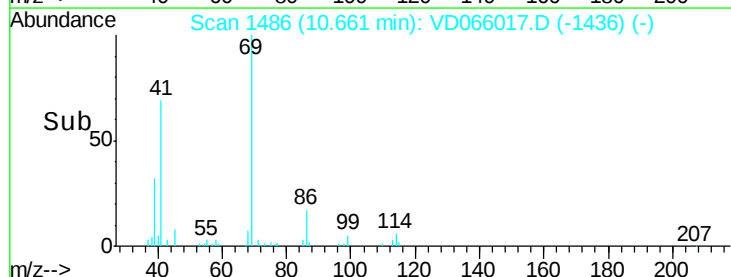
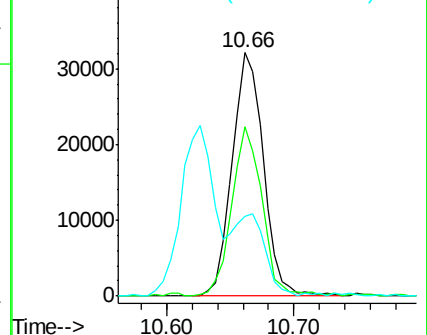
39 30.9 25.2 37.8

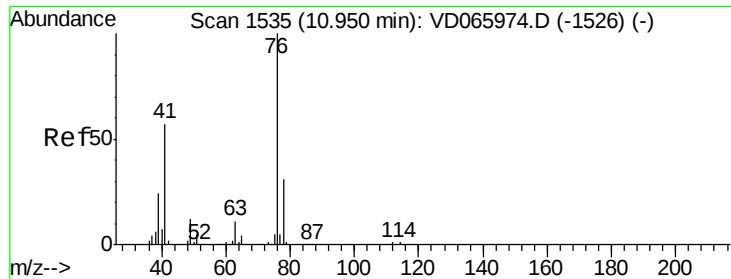


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 22.397 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 76 Resp: 80057

Ion Ratio Lower Upper

76 100

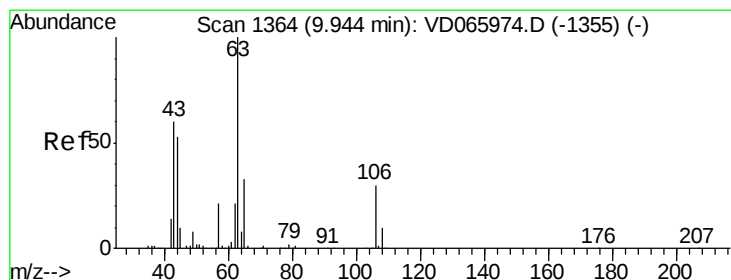
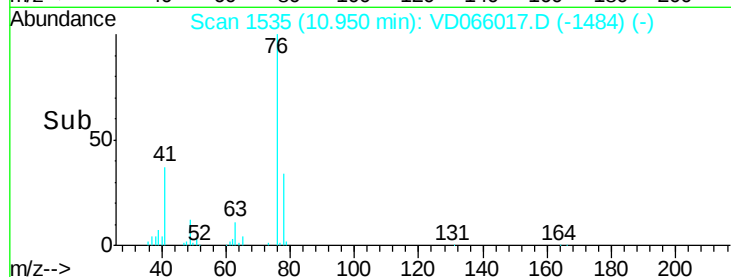
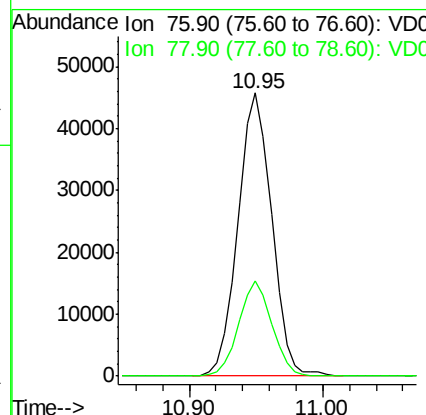
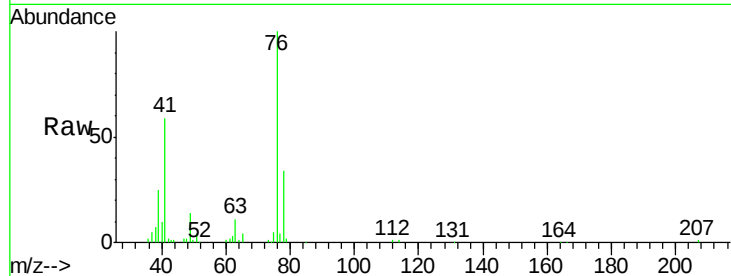
78 33.2 25.6 38.4

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#58

2-Chloroethyl Vinyl ether

Concen: 111.525 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD066017.D

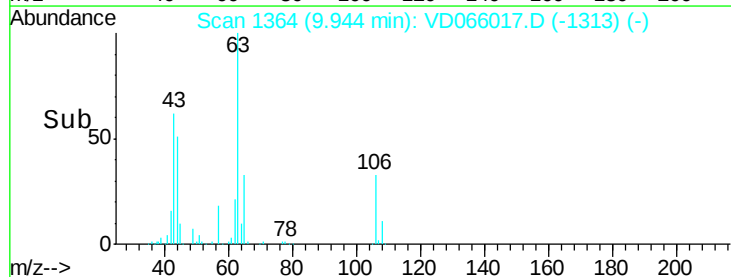
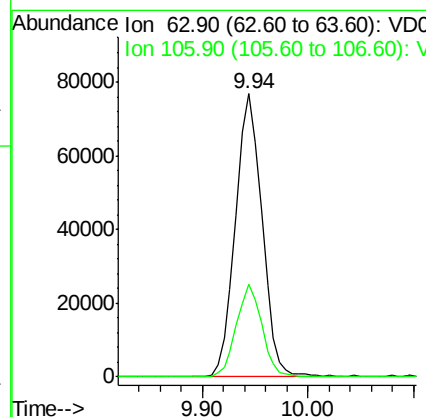
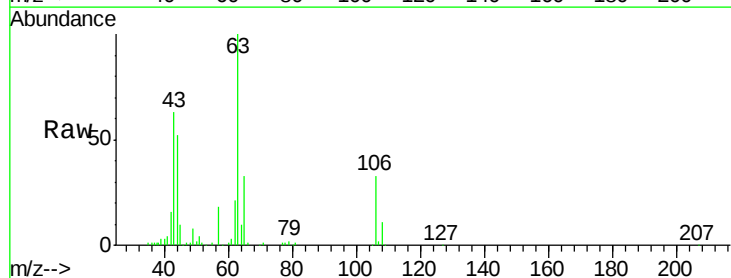
Acq: 23 Jul 2020 11:56

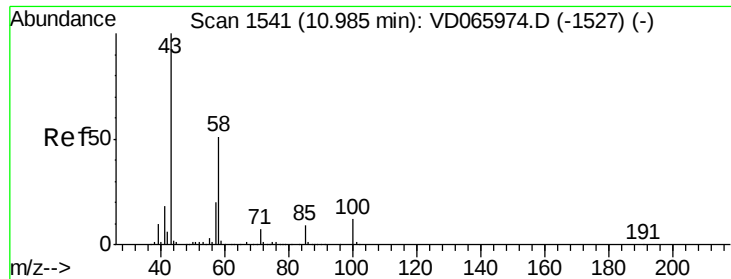
Tgt Ion: 63 Resp: 133742

Ion Ratio Lower Upper

63 100

106 31.3 24.4 36.6





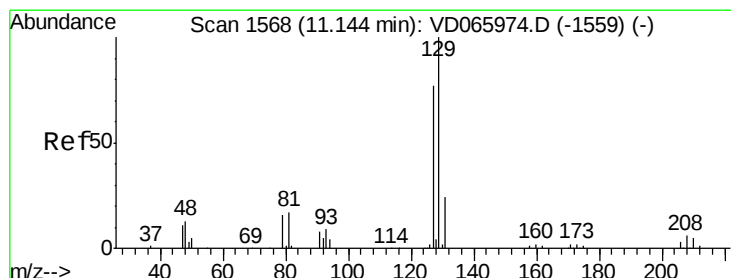
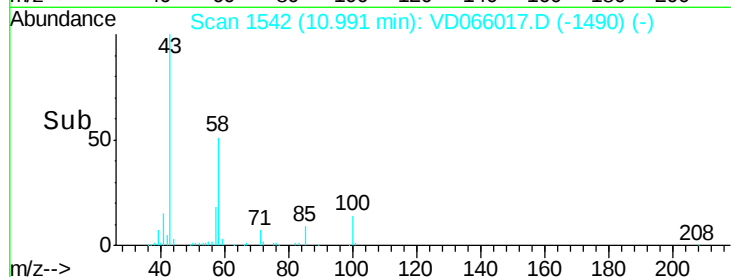
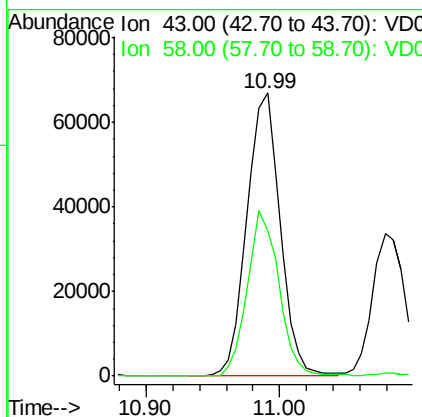
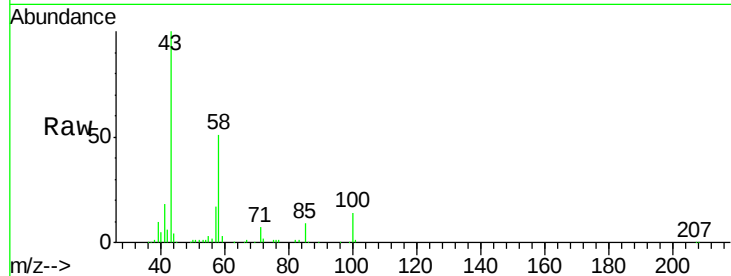
#59
2-Hexanone
Concen: 106.277 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion: 43 Resp: 115527
Ion Ratio Lower Upper
43 100
58 55.1 26.2 78.6

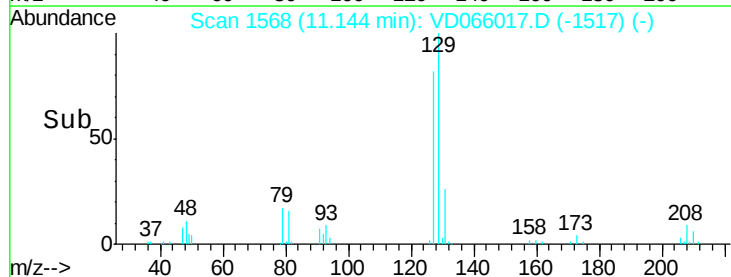
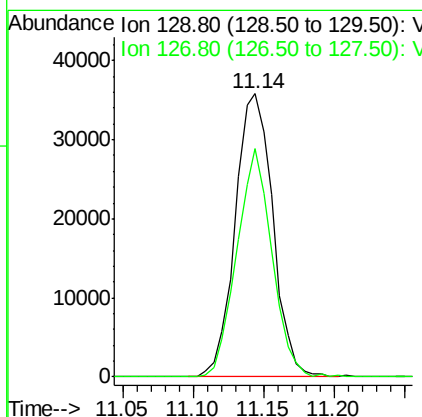
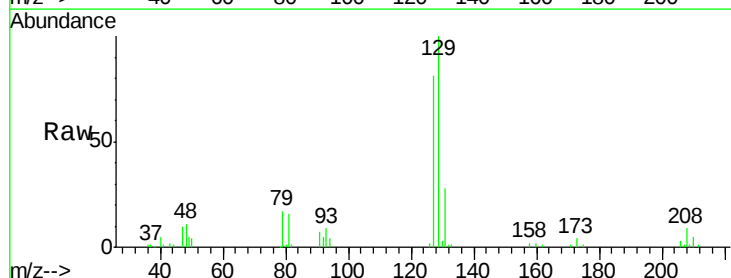
Manual Integrations
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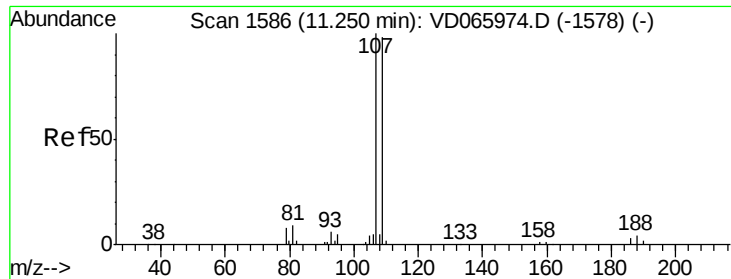
MMDadoda
7/24/2020 12:59:48 PM



#60
Dibromochloromethane
Concen: 22.912 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 129 Resp: 66701
Ion Ratio Lower Upper
129 100
127 75.5 38.6 115.7





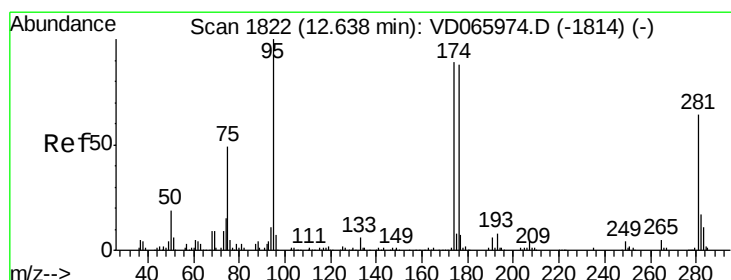
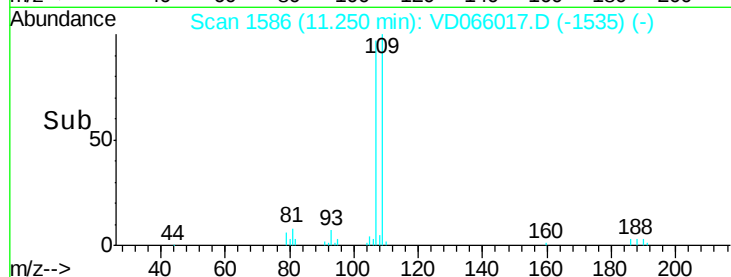
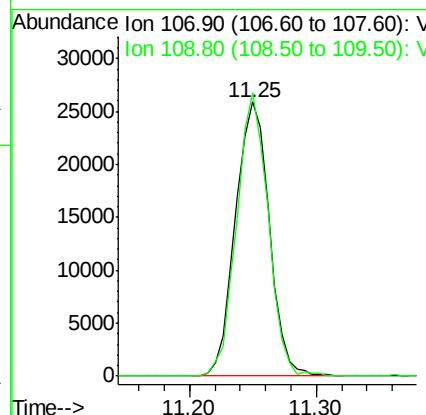
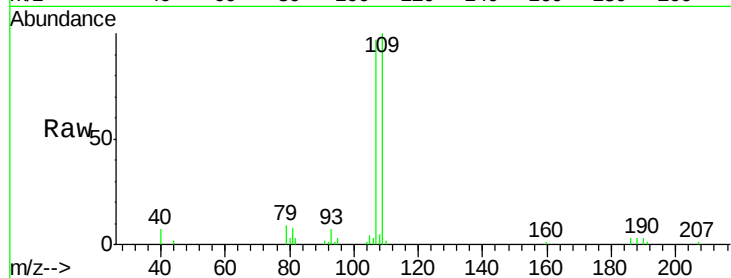
#61
1,2-Dibromoethane
Concen: 23.028 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion: 107 Resp: 47940
Ion Ratio Lower Upper
107 100
109 95.9 75.0 112.4

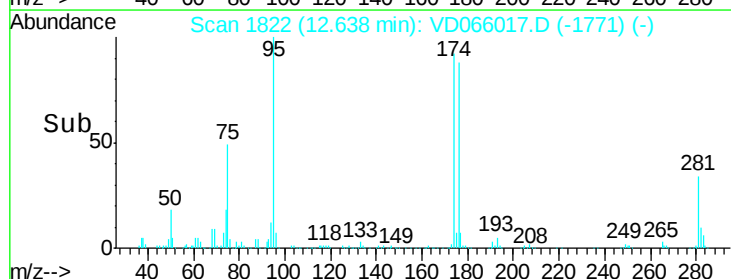
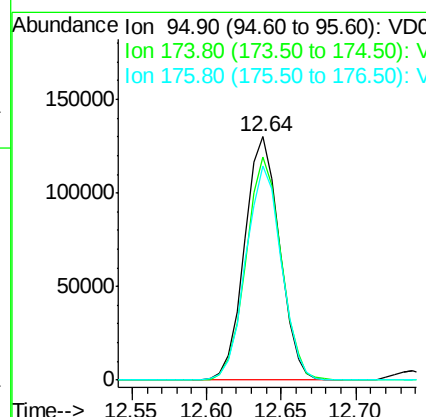
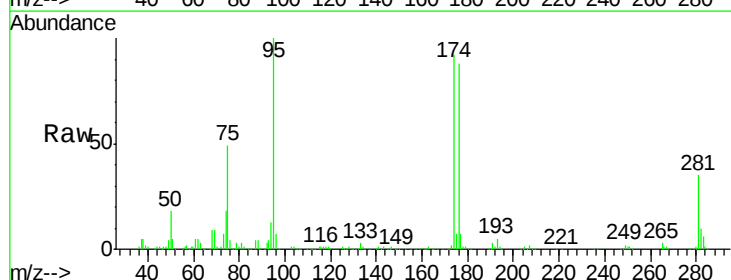
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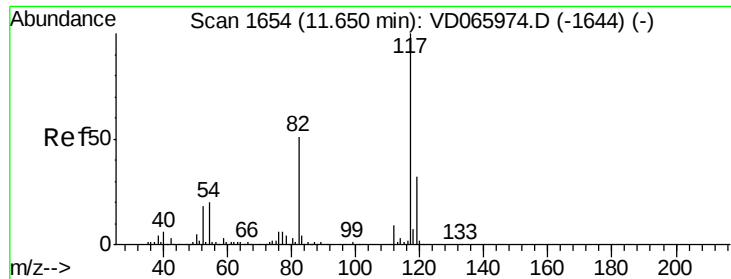
MMDadoda
7/24/2020 12:59:48 PM



#62
4-Bromofluorobenzene
Concen: 55.107 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 95 Resp: 211138
Ion Ratio Lower Upper
95 100
174 91.7 0.0 178.8
176 89.1 0.0 172.6





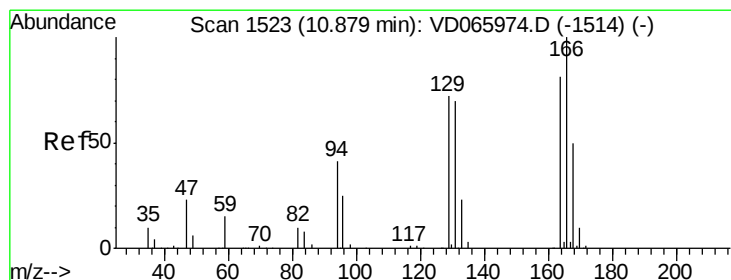
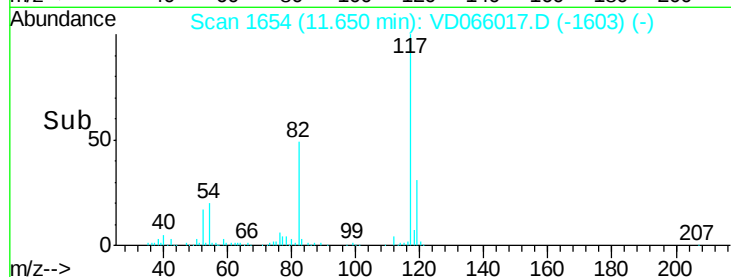
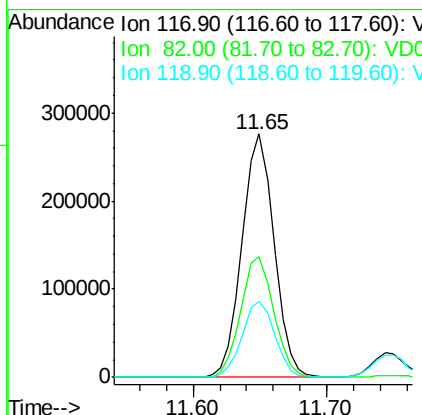
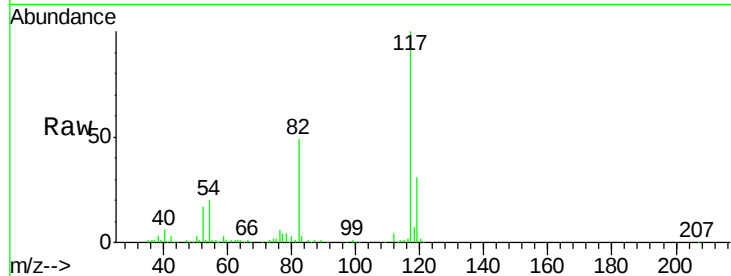
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	458460		
82	49.4		41.1	61.7
119	31.3		25.9	38.9

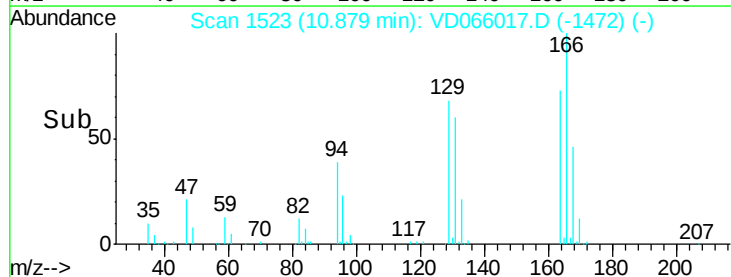
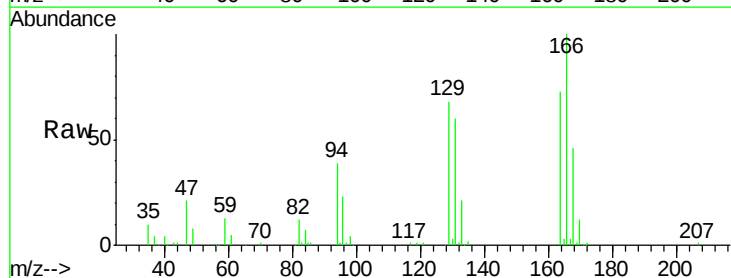
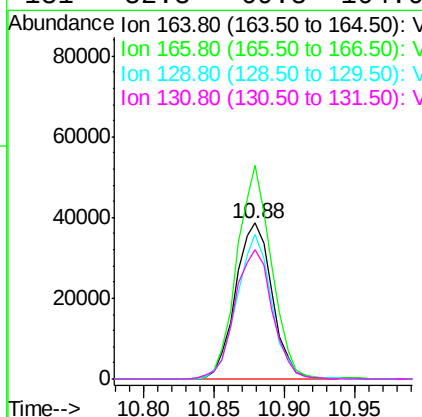
Manual Integrations
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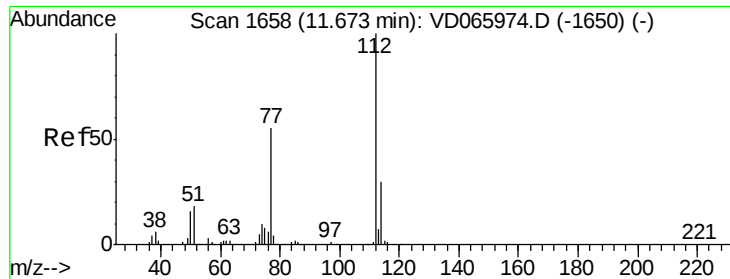
MMDadoda
7/24/2020 12:59:48 PM



#64
Tetrachloroethene
Concen: 22.591 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70296		
166	137.2		99.1	148.7
129	92.9		71.5	107.3
131	82.8		69.8	104.6





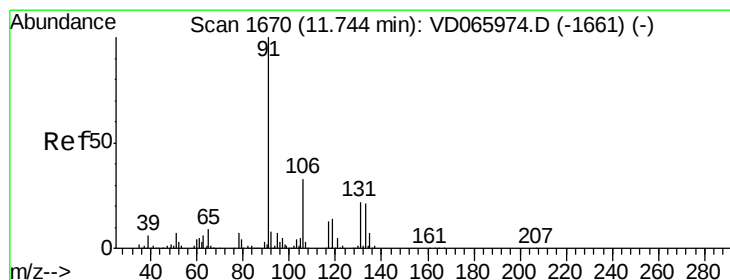
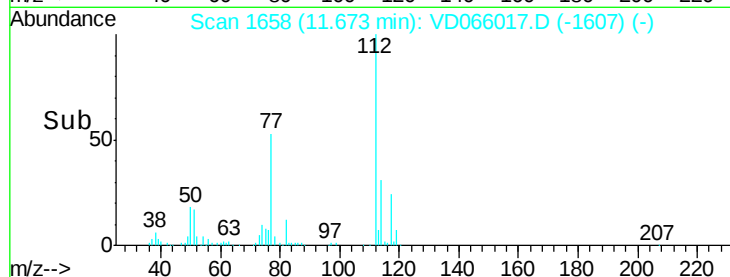
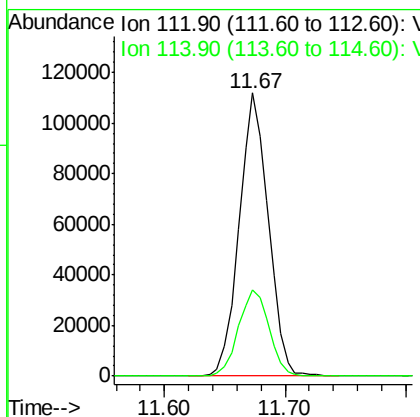
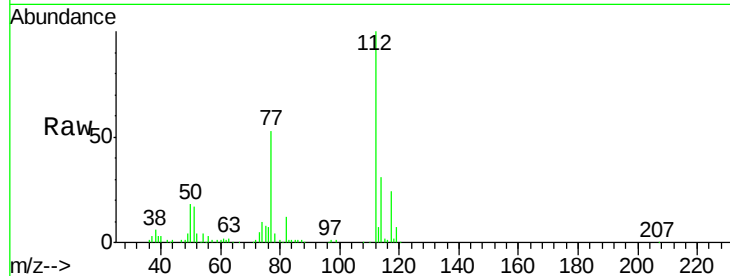
#65
Chlorobenzene
Concen: 22.431 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	188292		
114	30.7	24.4	36.6	

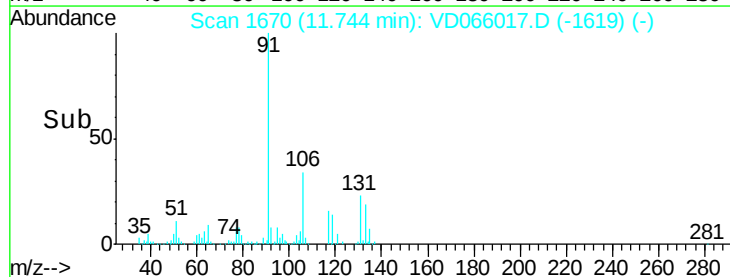
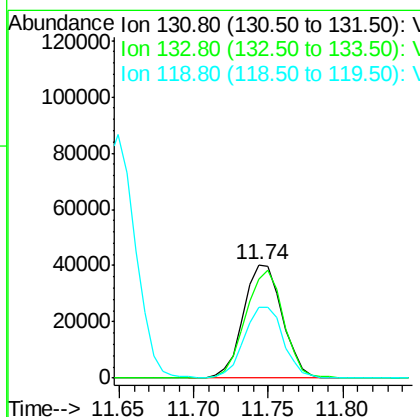
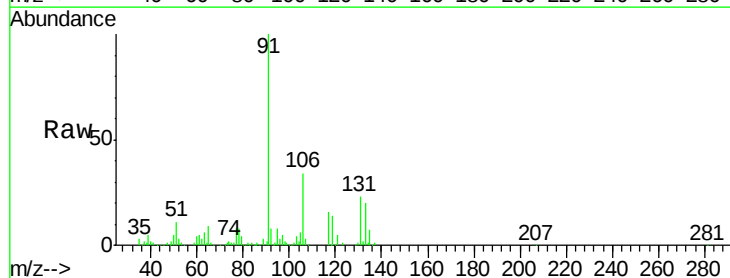
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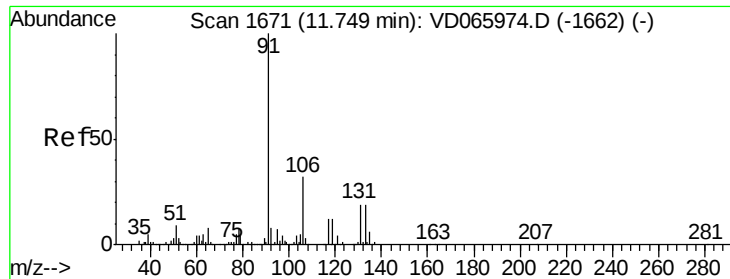
MMDadoda
7/24/2020 12:59:48 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 23.470 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	72745		
133	93.2	47.3	142.0	
119	63.0	31.7	95.1	





#67

Ethyl Benzene

Concen: 22.597 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD0723SBS01

Tot Ion: 91 Resp: 326431

Ion Ratio Lower Upper

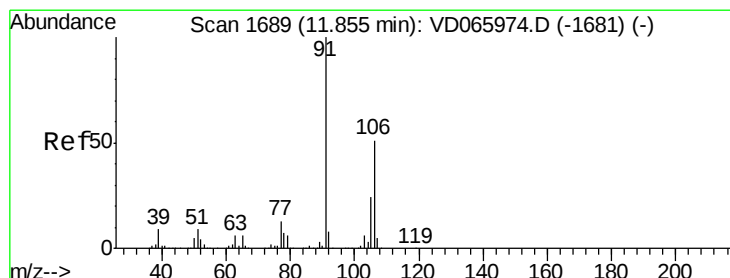
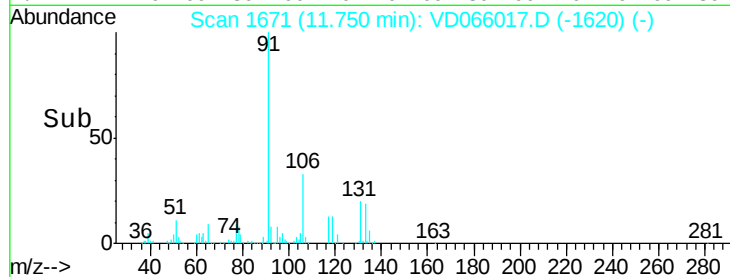
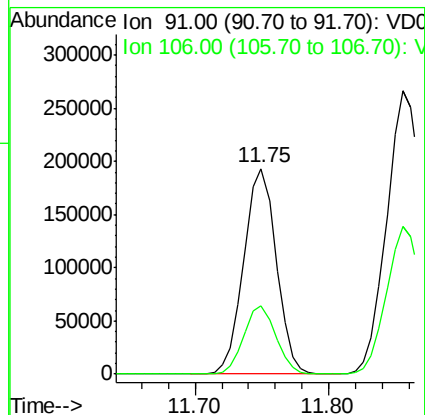
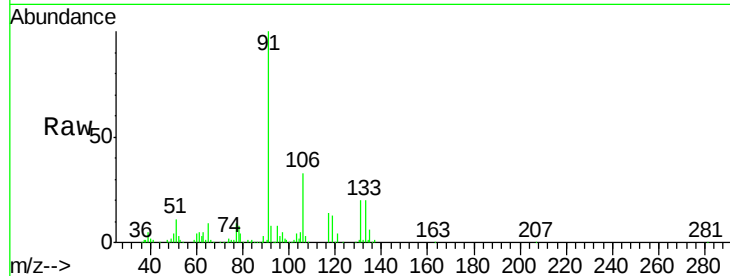
91 100

106 33.1 25.7 38.5

Manual Integrations
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7/24/2020 12:59:48 PM



#68

m/p-Xylenes

Concen: 46.847 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD066017.D

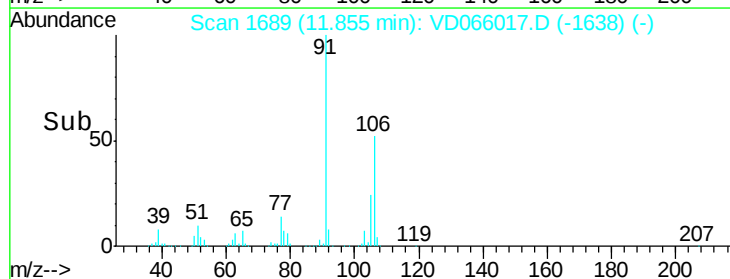
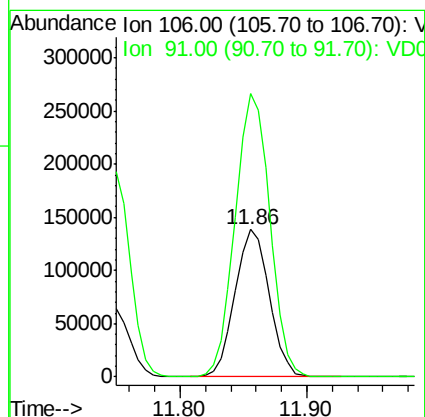
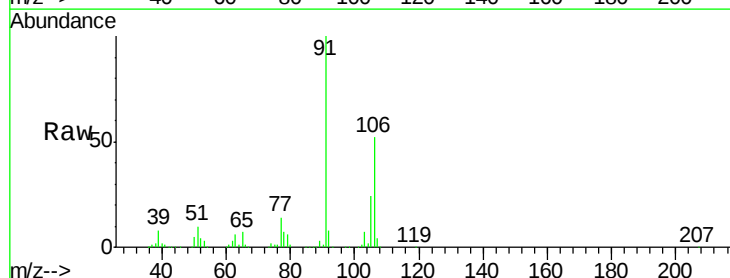
Acq: 23 Jul 2020 11:56

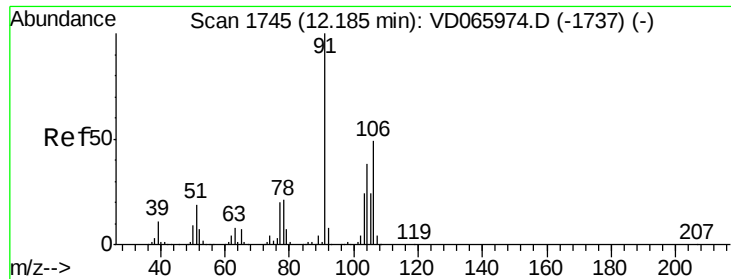
Tgt Ion: 106 Resp: 260108

Ion Ratio Lower Upper

106 100

91 195.1 157.0 235.6





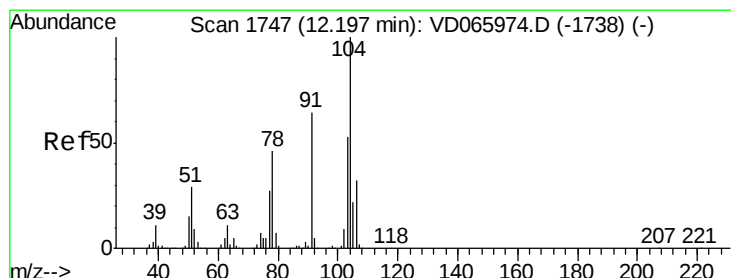
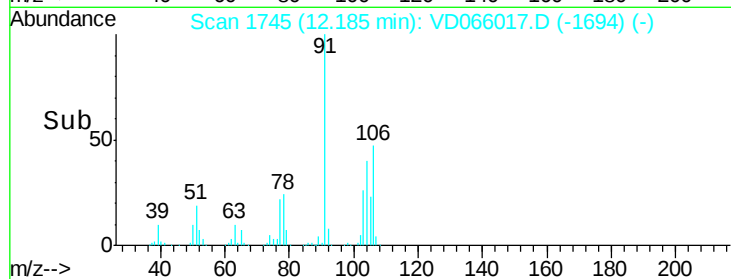
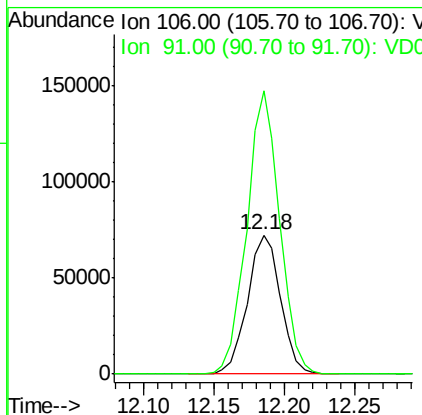
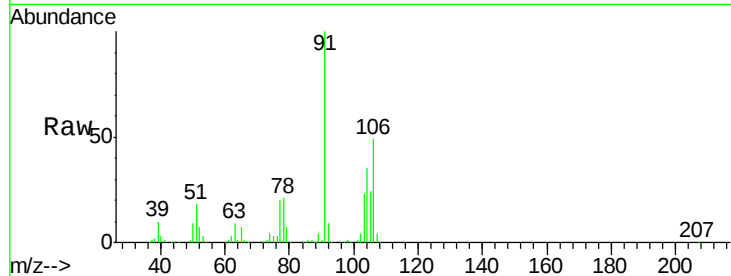
#69
o-Xylene
Concen: 23.626 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	119311		
91	91	201.4	103.1	309.3	

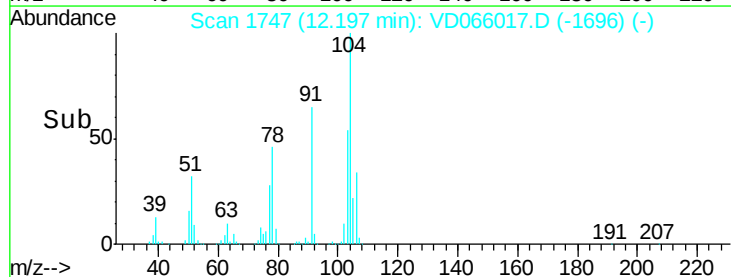
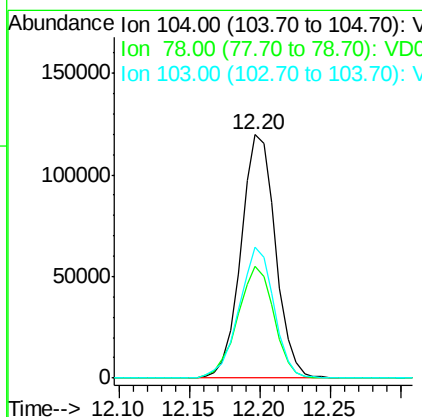
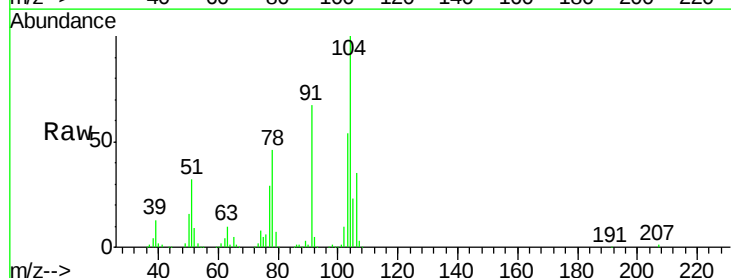
Manual Integrations
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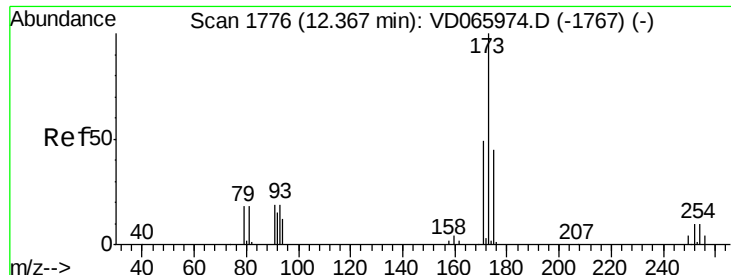
MMDadoda
7/24/2020 12:59:48 PM



#70
Styrene
Concen: 23.577 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	204575		
78	78	48.5	38.3	57.5	
103	103	54.5	43.8	65.8	





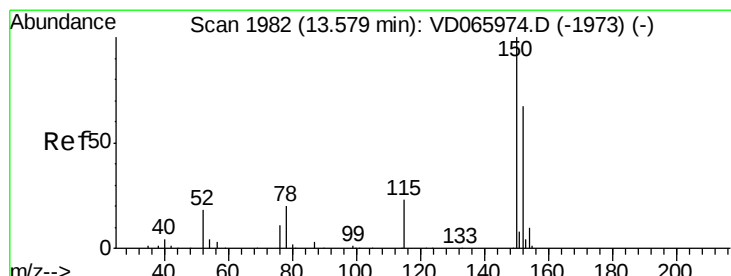
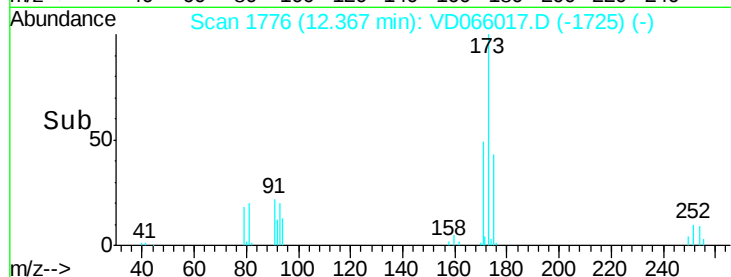
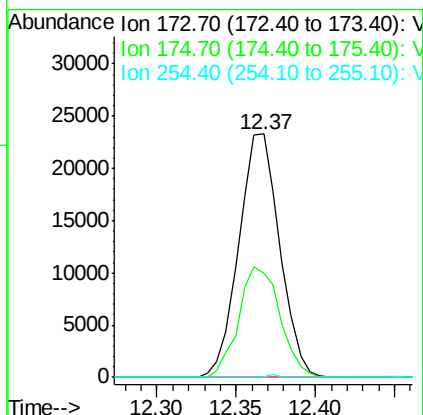
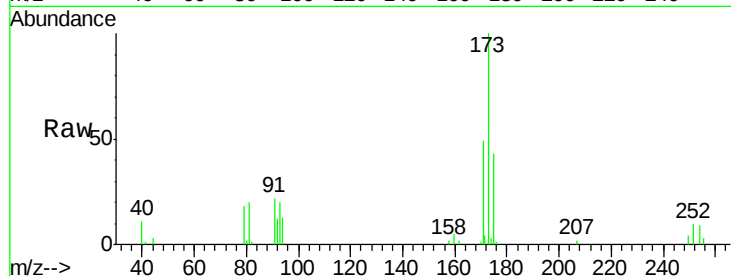
#71
Bromoform
Concen: 22.884 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.0	24.1	72.3
254	0.2	0.0	0.0

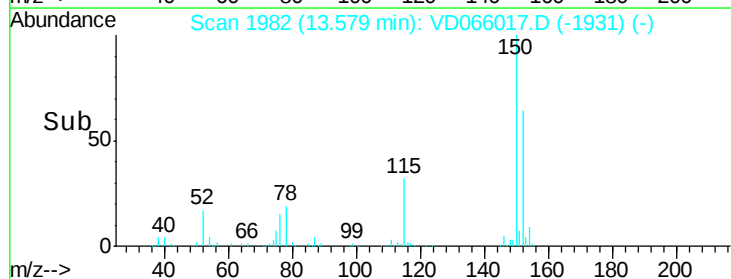
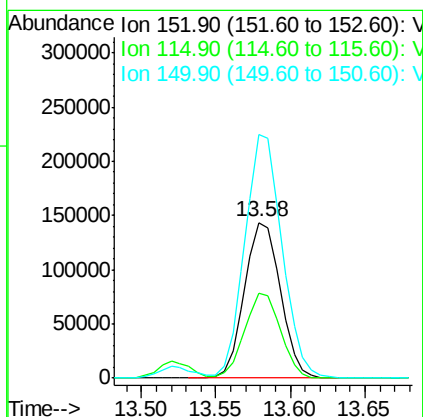
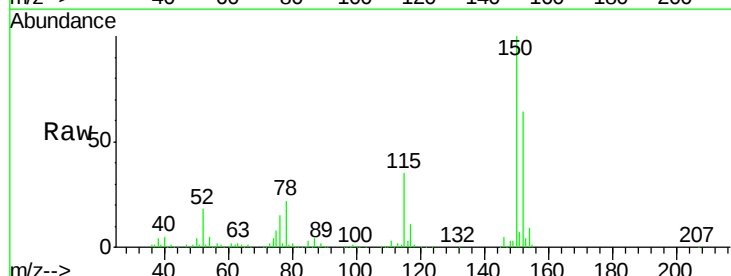
Manual Integrations
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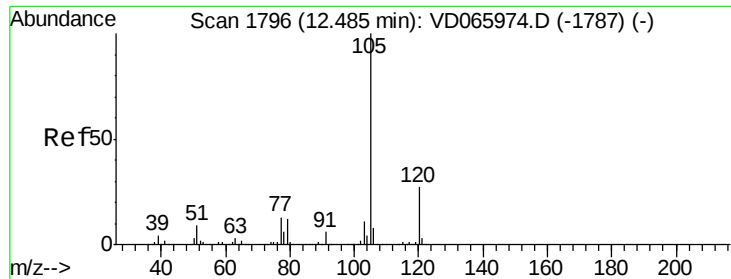
MMDadoda
7/24/2020 12:59:48 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.2	27.9	83.7
150	162.1	0.0	348.2





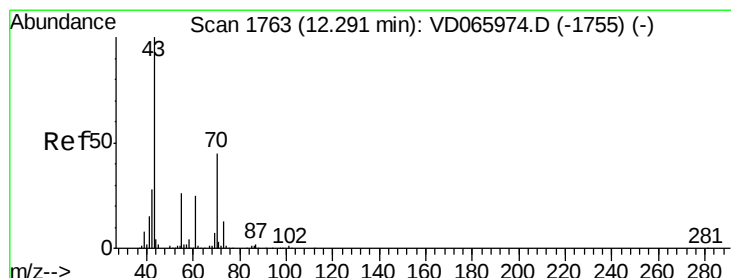
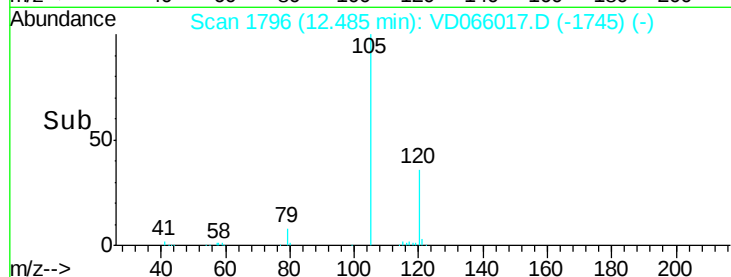
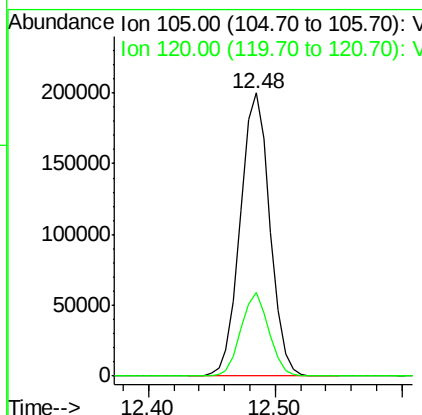
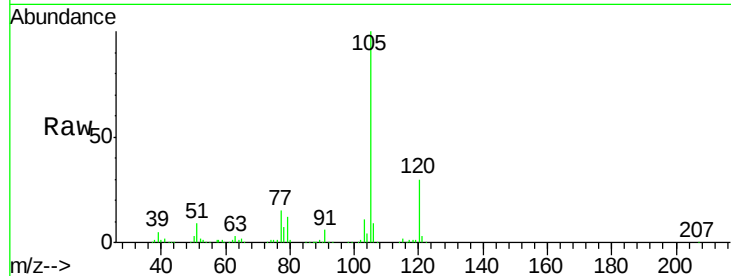
#73
Isopropylbenzene
Concen: 22.305 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	13.6	40.8

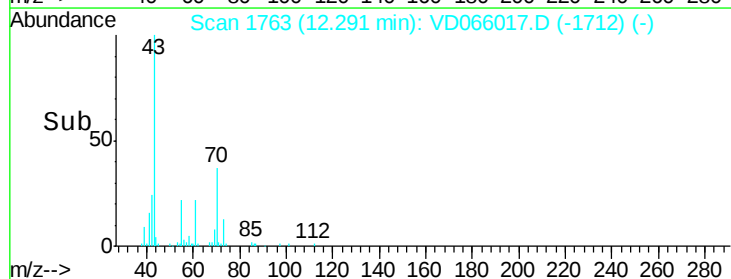
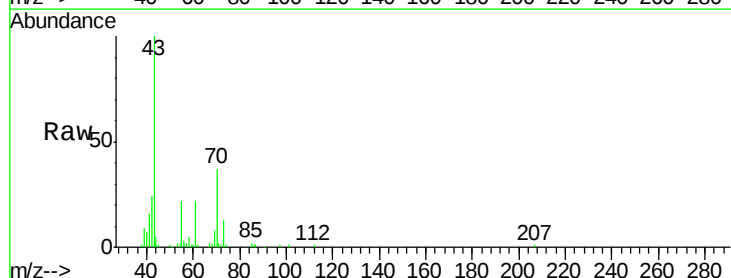
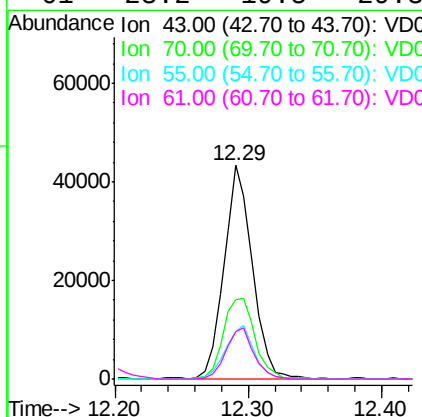
Manual Integrations
APPROVED

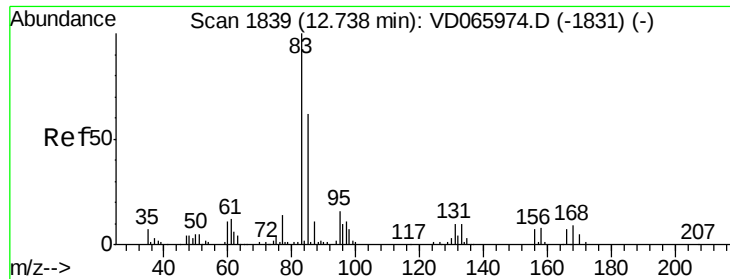
MMDadoda
7/24/2020 12:59:48 PM



#74
N-ethyl acetate
Concen: 21.425 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.3	34.6	51.8
55	25.1	20.3	30.5
61	23.2	19.5	29.3





#75

1,1,2,2-Tetrachloroethane

Concen: 21.752 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

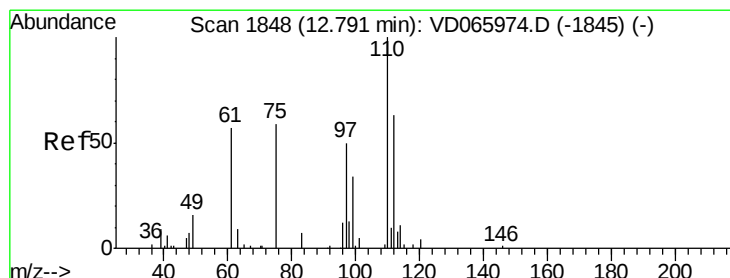
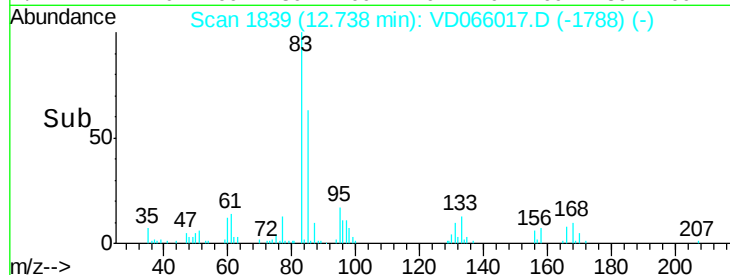
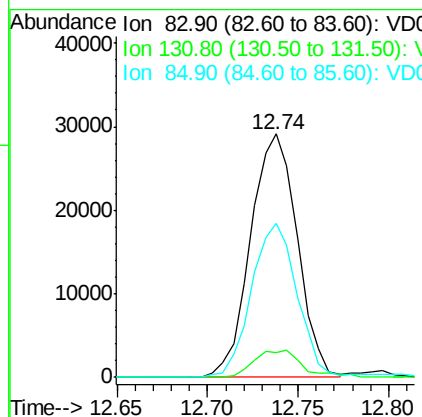
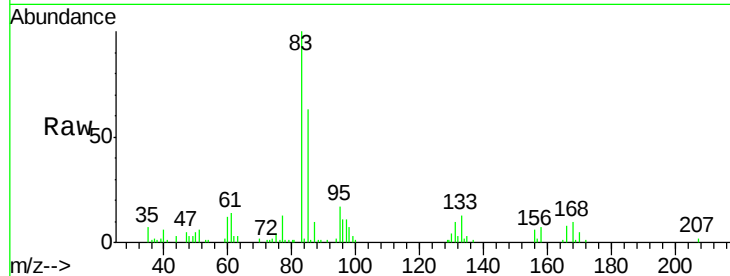
ClientSampleId :

VD0723SBS01

Tot Ion:	83	Resp:	52124
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.7	17.1
85	61.8	31.9	95.5

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#76

1,2,3-Trichloropropane

Concen: 16.498 ug/l m

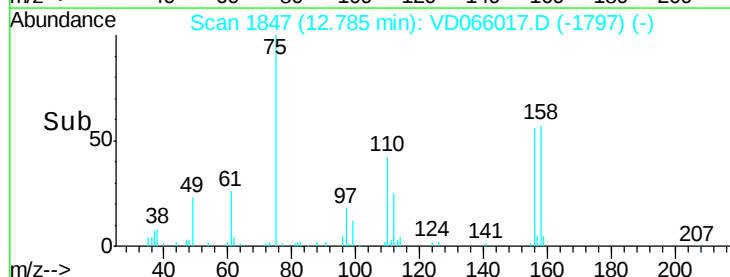
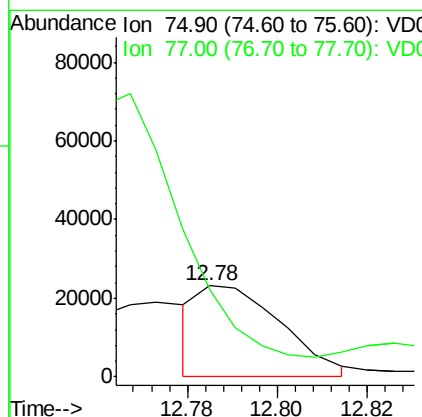
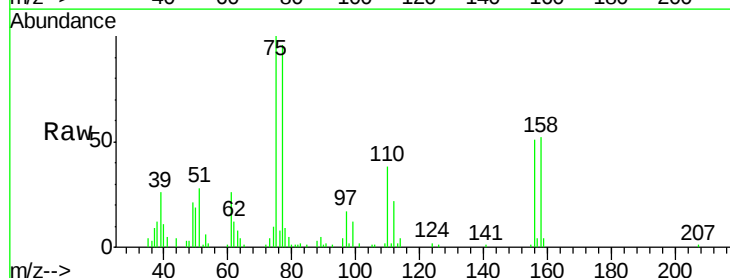
RT: 12.78 min Scan# 1847

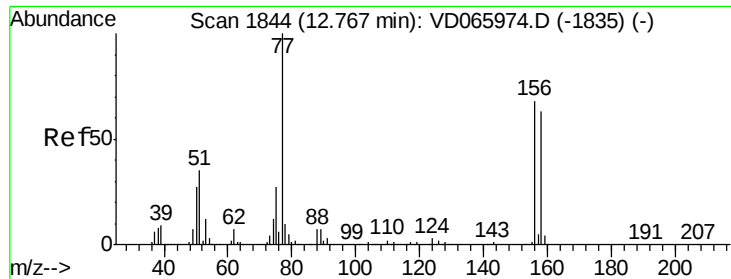
Delta R.T. -0.01 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion:	75	Resp:	29767
Ion Ratio	Lower	Upper	
75	100		
77	454.8	0.0	0.0#





#77

Bromobenzene

Concen: 22.689 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

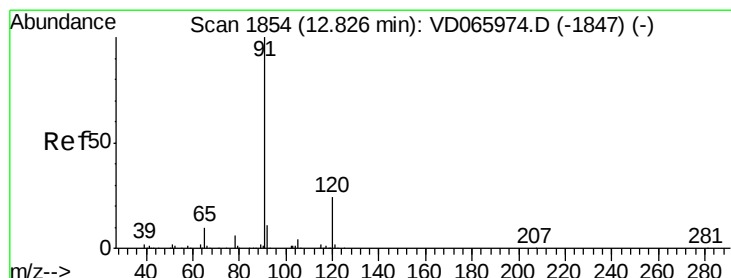
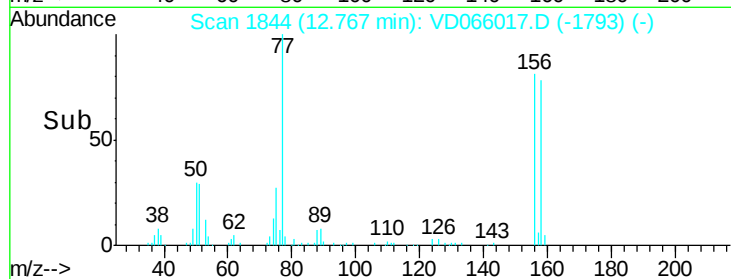
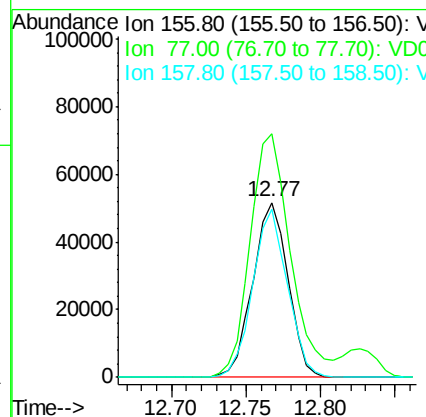
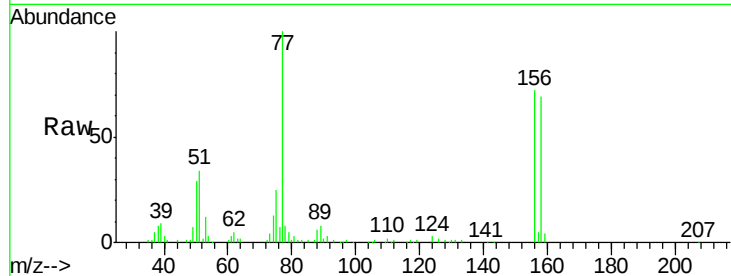
ClientSampleId :

VD0723SBS01

Tot Ion	156	Resp	84075
Ion Ratio	100	Lower	Upper
156	100		
77	161.0	83.0	249.0
158	94.8	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 22.863 ug/l

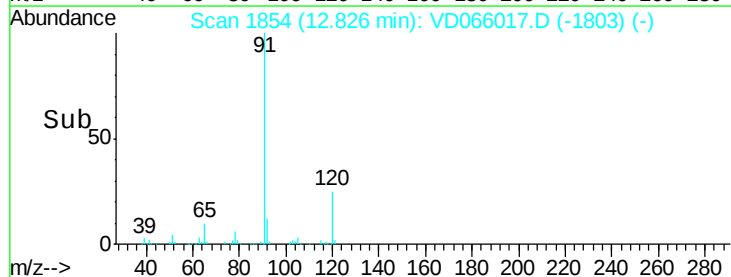
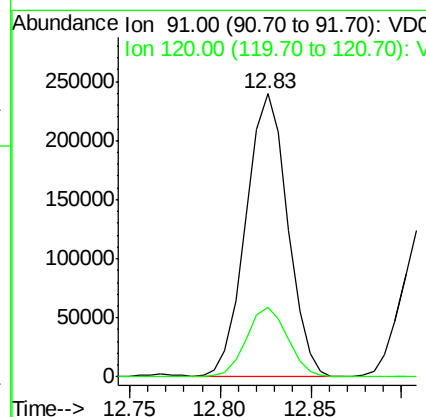
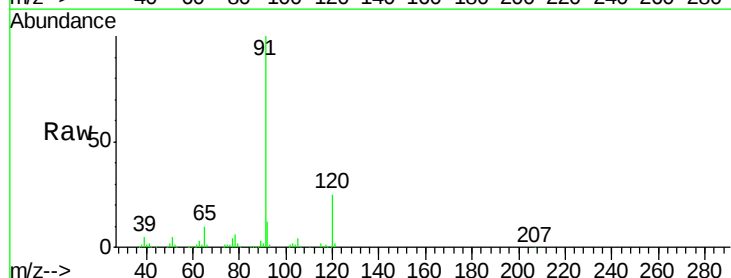
RT: 12.83 min Scan# 1854

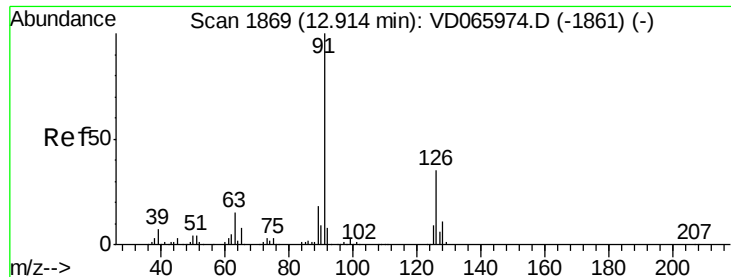
Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion	91	Resp	384675
Ion Ratio	100	Lower	Upper
91	100		
120	24.1	12.0	36.0





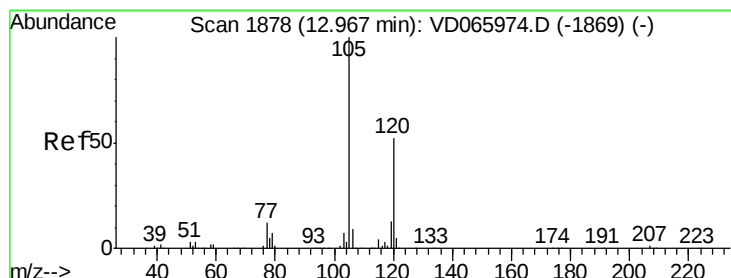
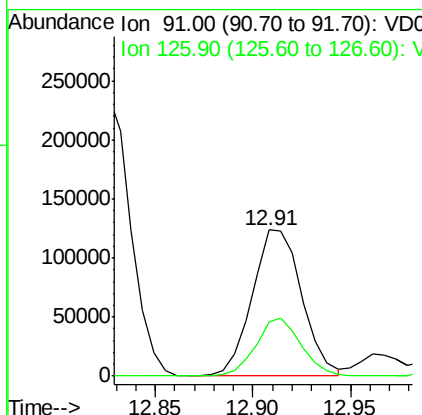
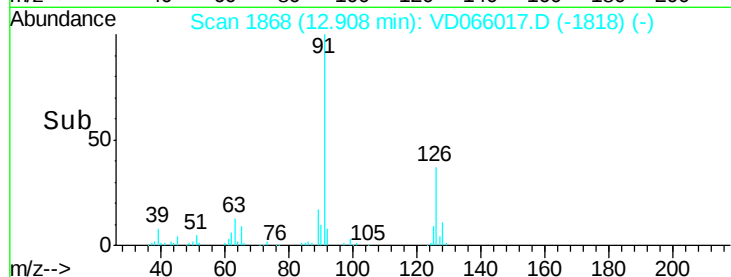
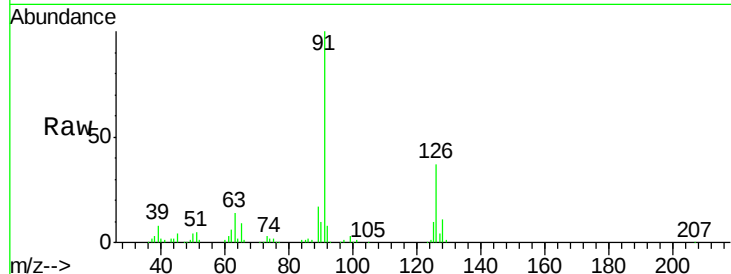
#79
2-Chlorotoluene
Concen: 22.589 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion: 91 Resp: 217141
Ion Ratio Lower Upper
91 100
126 36.3 17.7 53.1

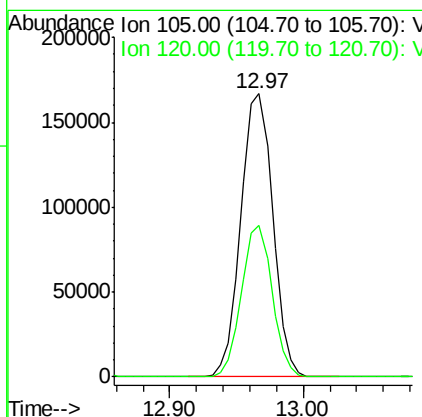
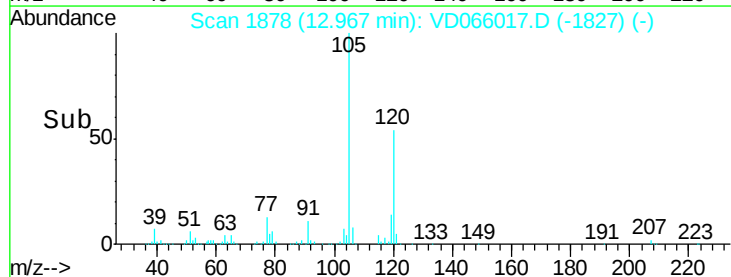
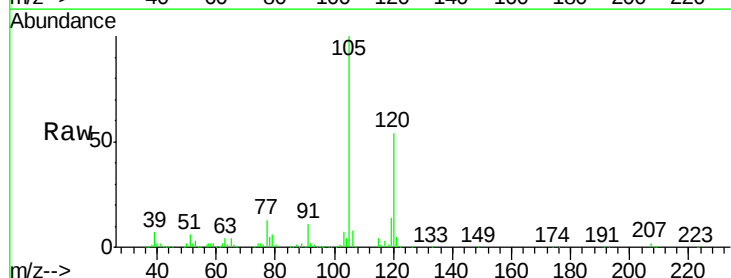
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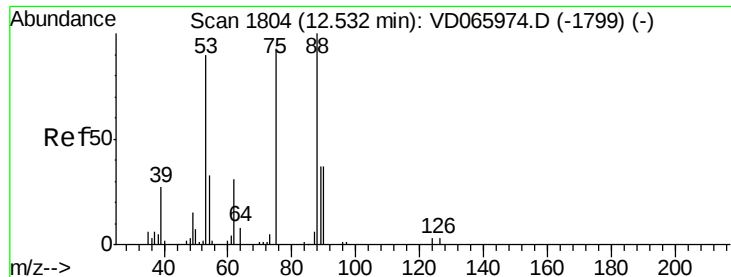
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#80
1,3,5-Trimethylbenzene
Concen: 23.227 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion: 105 Resp: 276697
Ion Ratio Lower Upper
105 100
120 51.5 25.6 76.6





#81

trans-1,4-Dichloro-2-butene

Concen: 22.086 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

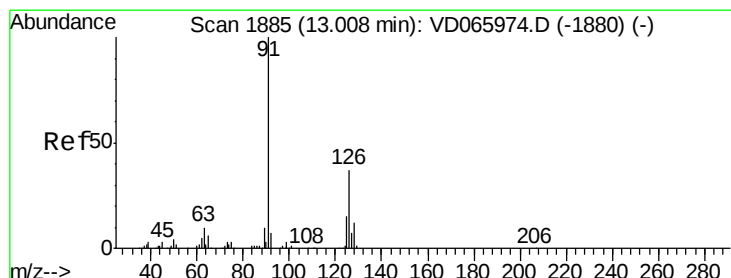
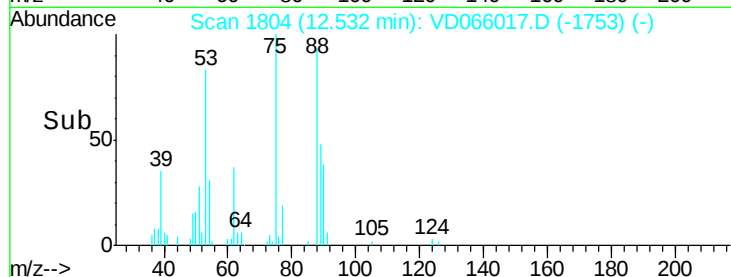
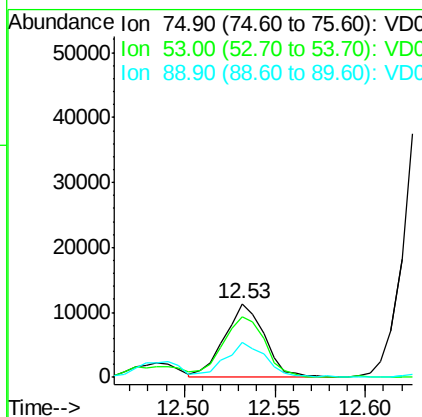
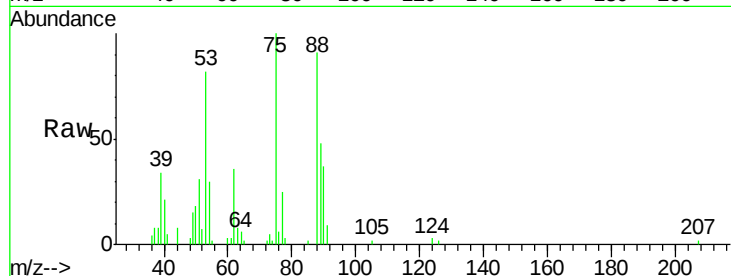
ClientSampleId :

VD0723SBS01

Tot Ion:	75	Resp:	17366
Ion	Ratio	Lower	Upper
75	100		
53	87.6	76.8	115.2
89	49.1	37.0	55.4

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#82

4-Chlorotoluene

Concen: 22.626 ug/l

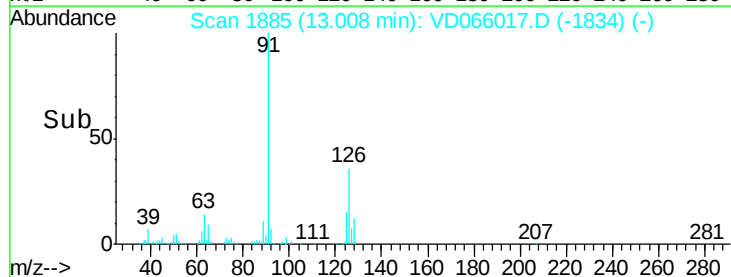
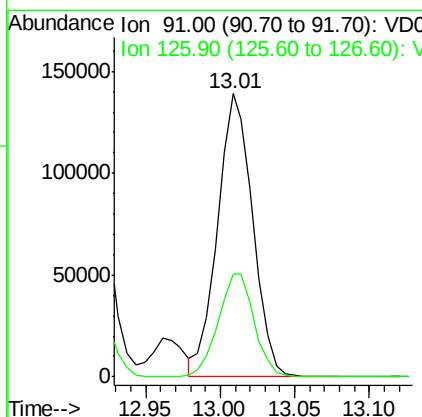
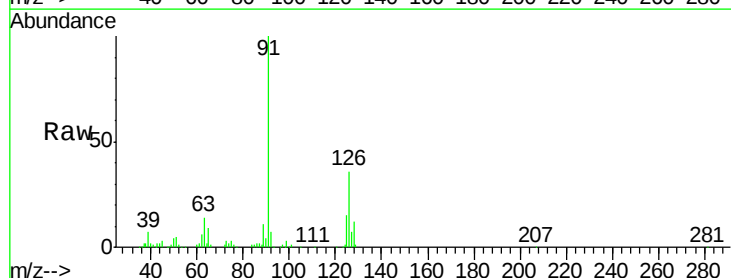
RT: 13.01 min Scan# 1885

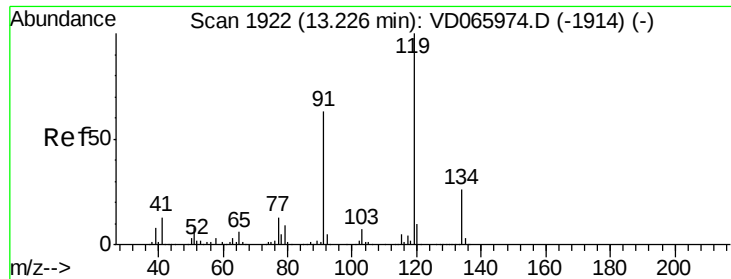
Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion:	91	Resp:	229565
Ion	Ratio	Lower	Upper
91	100		
126	37.1	17.8	53.5





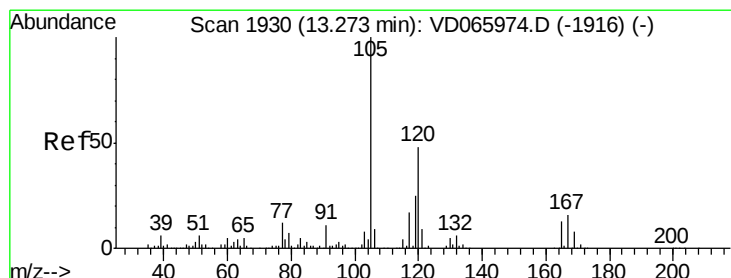
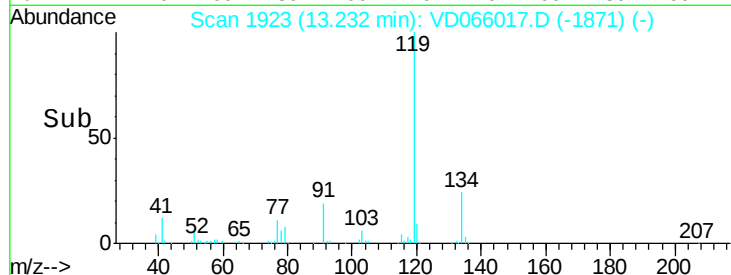
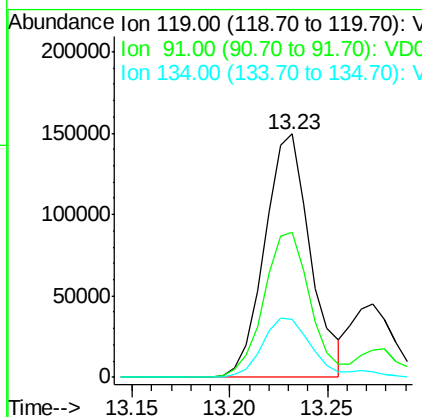
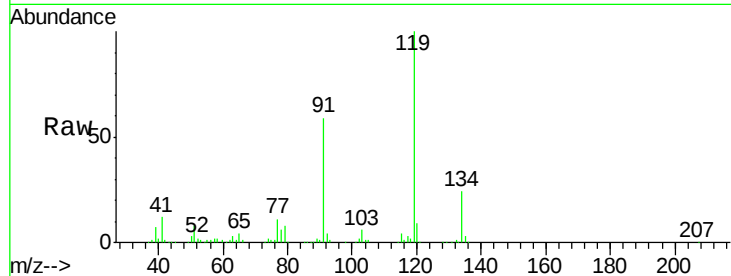
#83
tert-Butylbenzene
Concen: 23.296 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	242841		
91	59.9	30.6	91.6	
134	25.8	13.9	41.7	

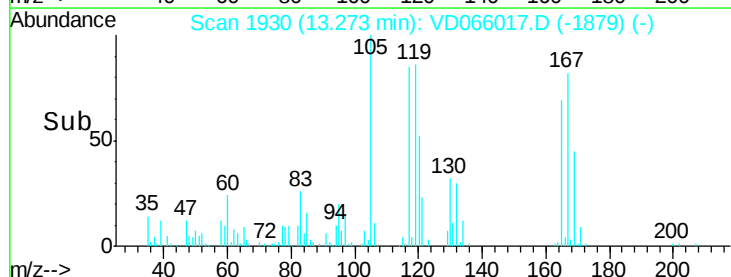
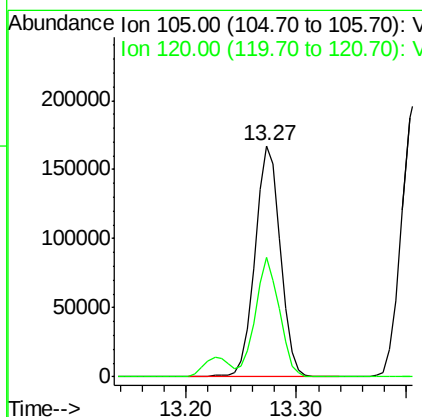
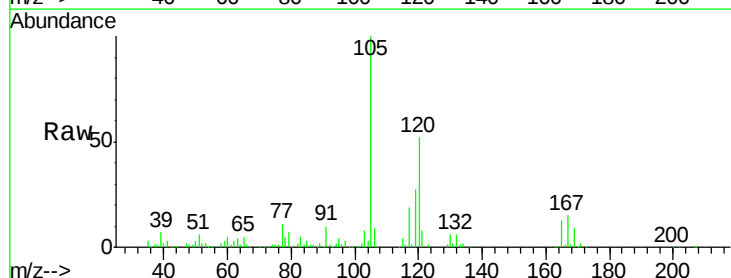
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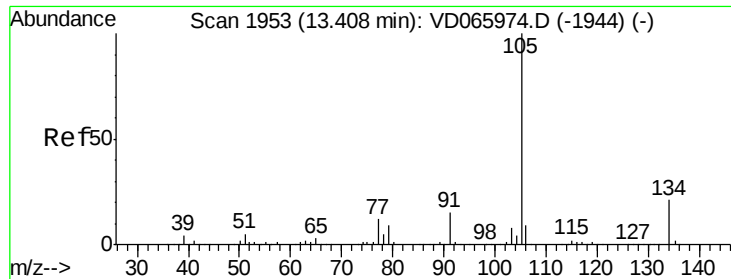
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#84
1,2,4-Trimethylbenzene
Concen: 22.919 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	269362		
120	49.2	23.9	71.8	





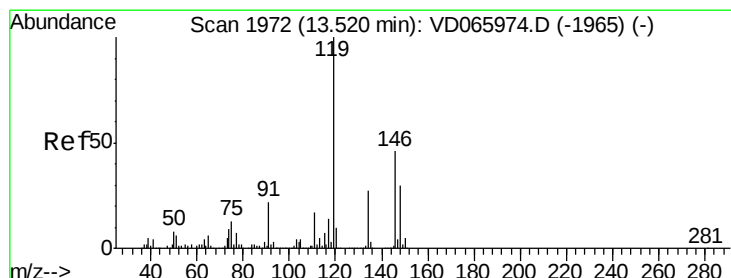
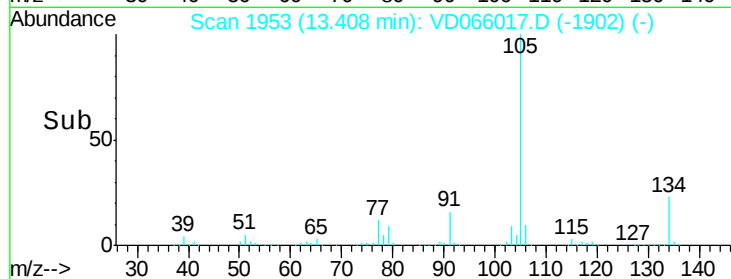
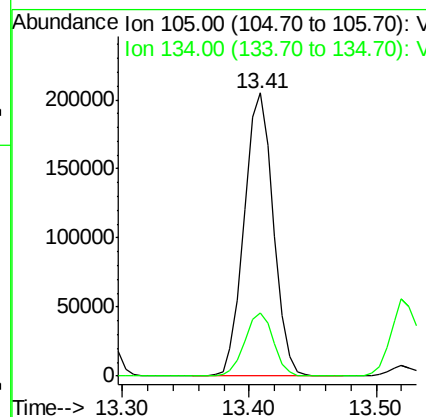
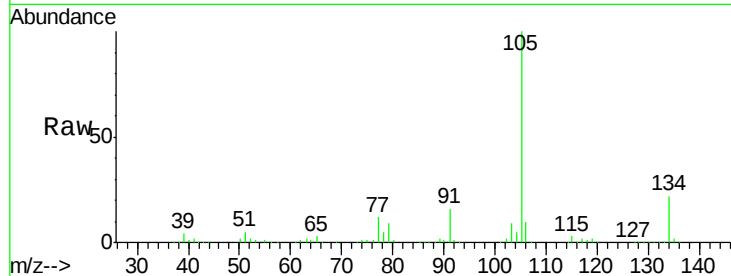
#85
 sec-Butylbenzene
 Concen: 22.683 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0723SBS01

Tot Ion:105 Resp: 325691
 Ion Ratio Lower Upper
 105 100
 134 22.1 10.4 31.4

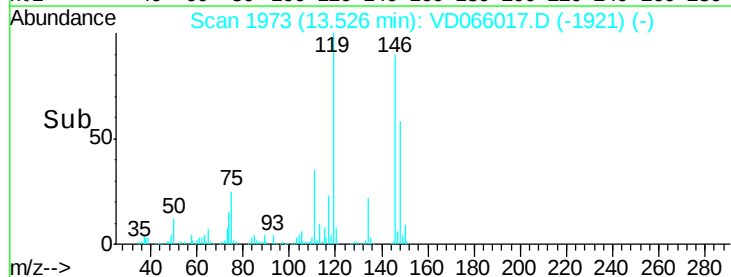
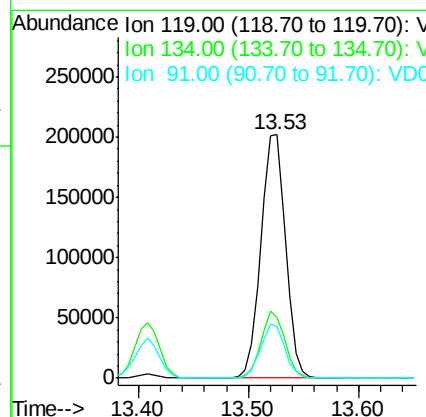
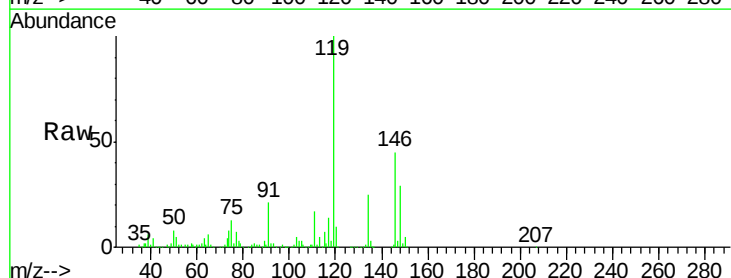
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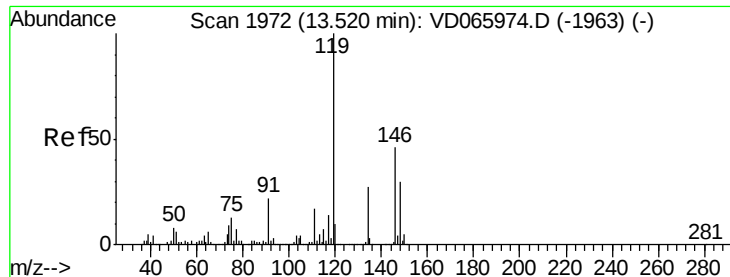
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#86
 p-Isopropyltoluene
 Concen: 24.437 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD066017.D
 Acq: 23 Jul 2020 11:56

Tgt Ion:119 Resp: 318770
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.4 40.2
 91 21.7 11.1 33.3





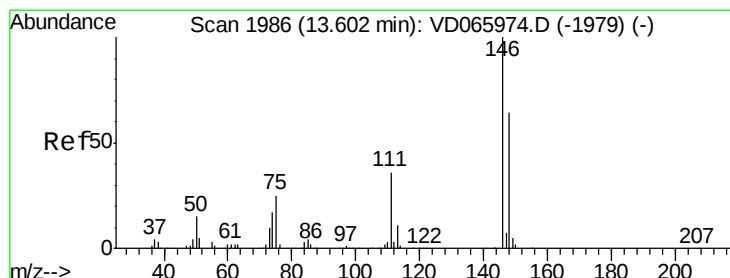
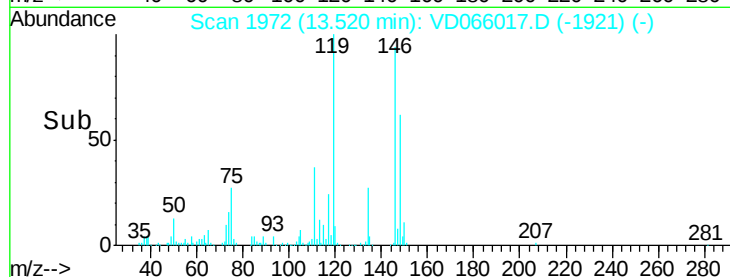
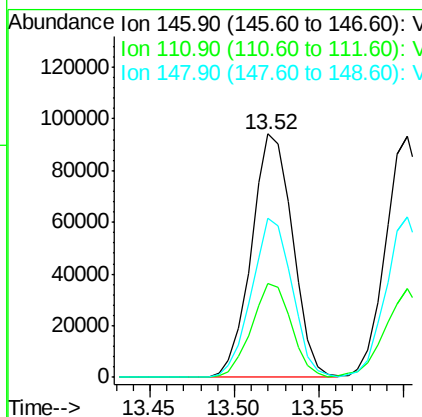
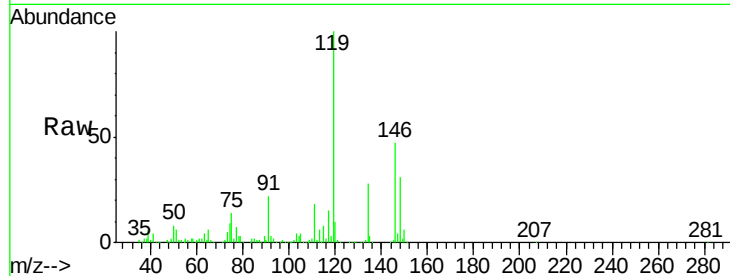
#87
1,3-Dichlorobenzene
Concen: 23.252 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.6
148	64.2	32.4	97.0

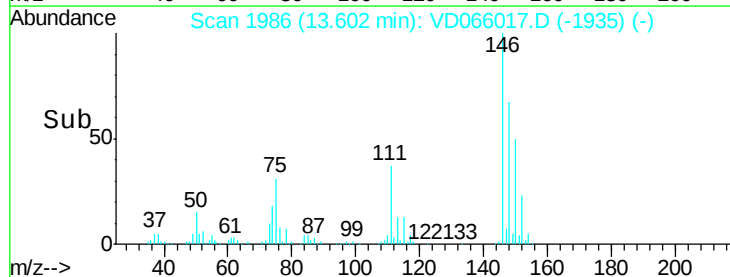
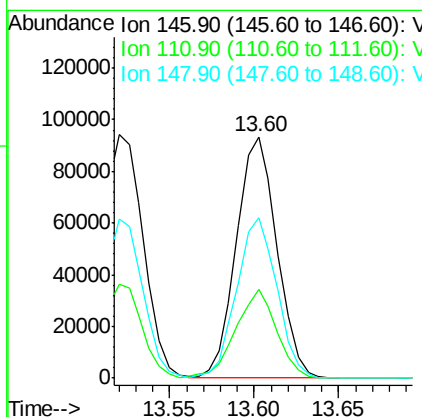
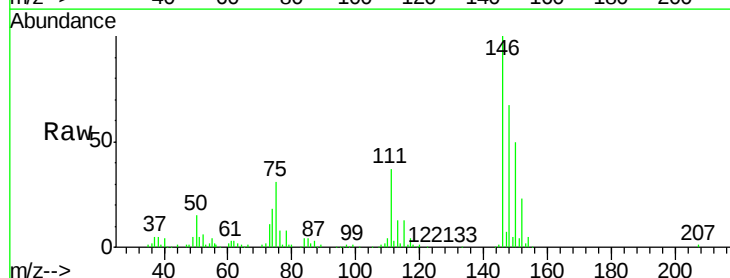
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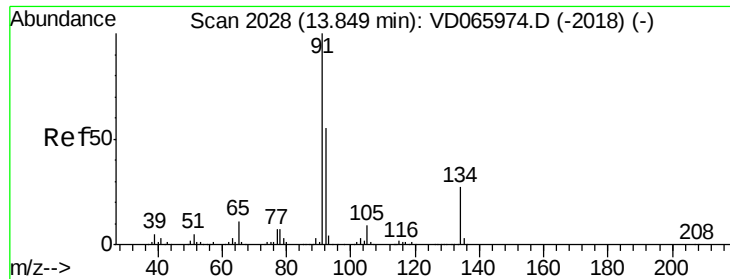
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#88
1,4-Dichlorobenzene
Concen: 22.420 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.8	56.4
148	66.3	32.2	96.6





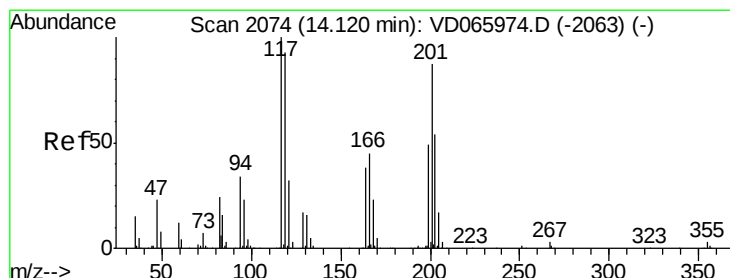
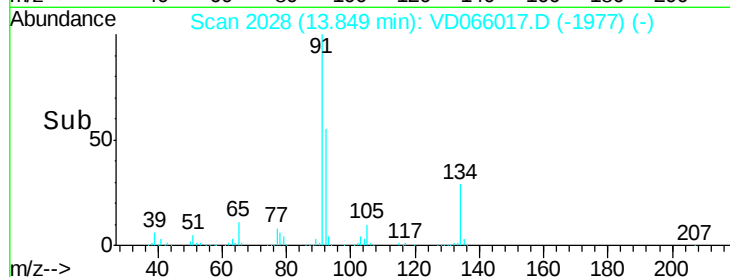
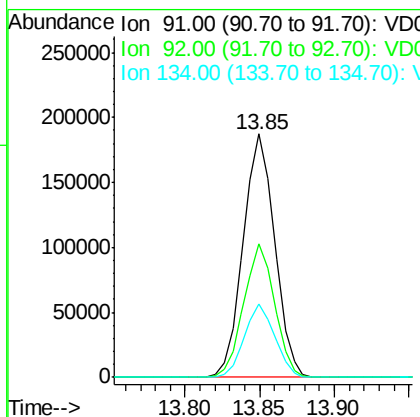
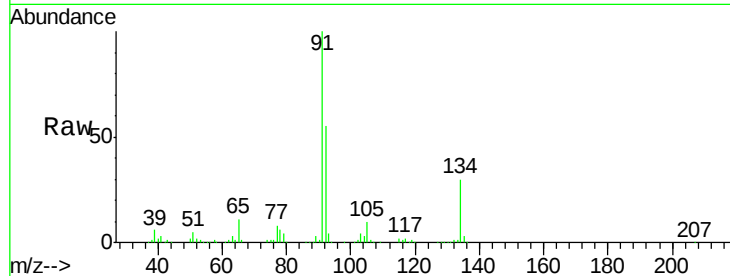
#89
n-Butylbenzene
Concen: 22.619 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.2	81.6
134	28.8	13.8	41.4

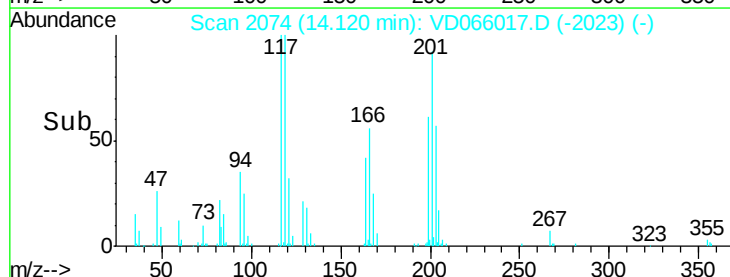
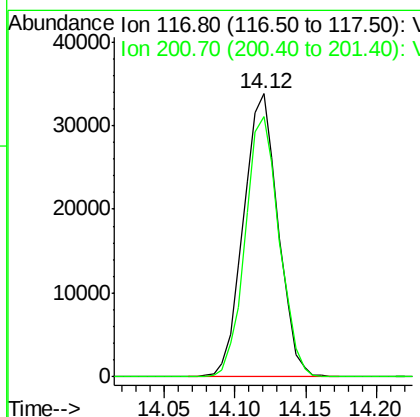
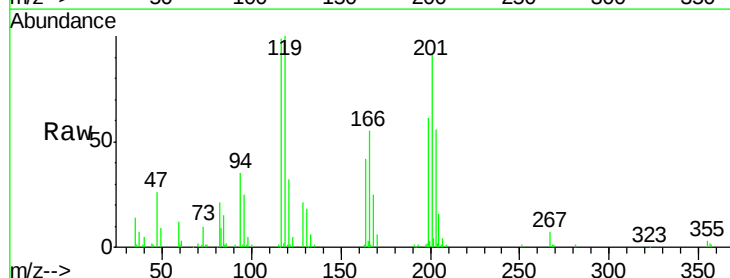
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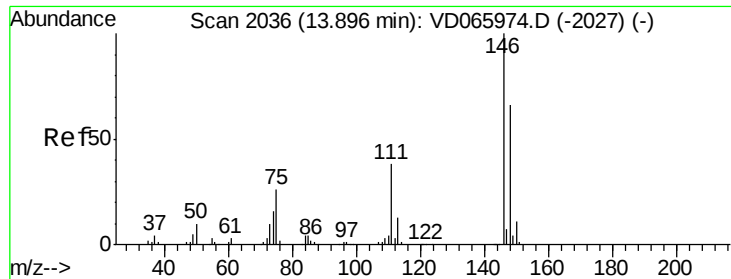
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#90
Hexachloroethane
Concen: 21.540 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	42.0	126.1





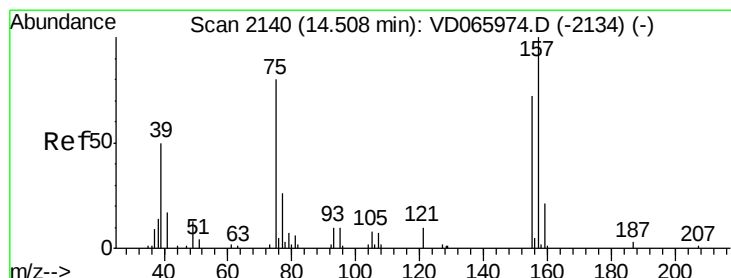
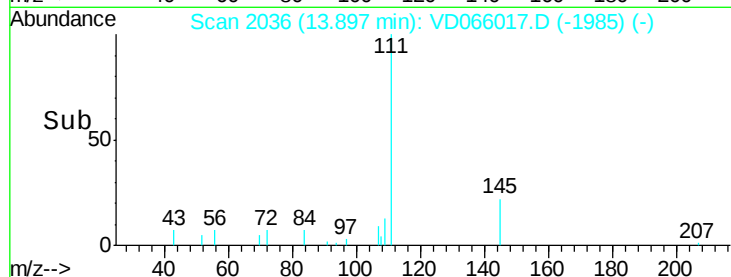
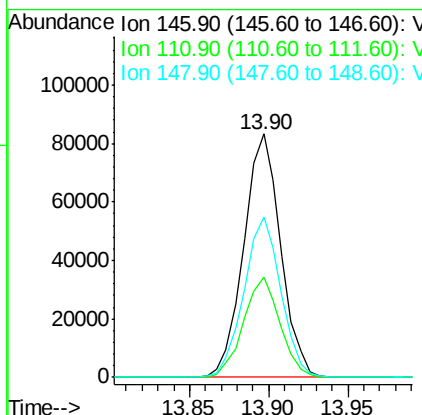
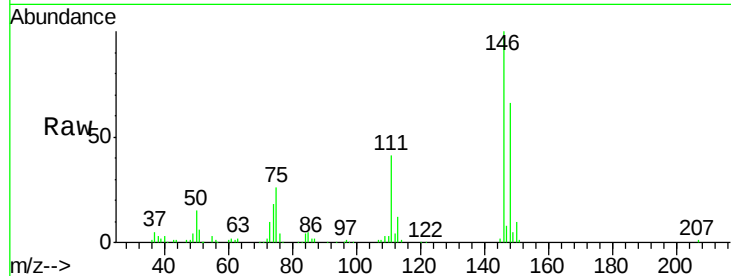
#91
1,2-Dichlorobenzene
Concen: 22.578 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.3	57.9
148	65.8	32.7	98.1

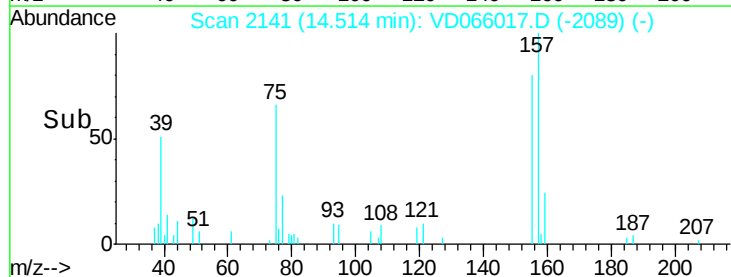
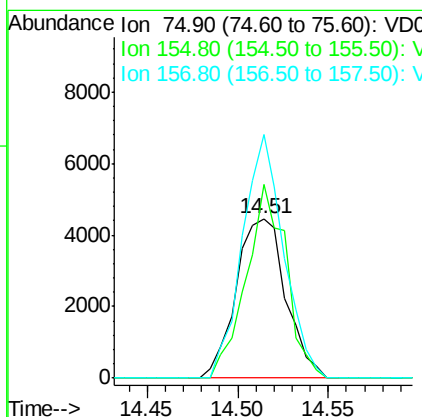
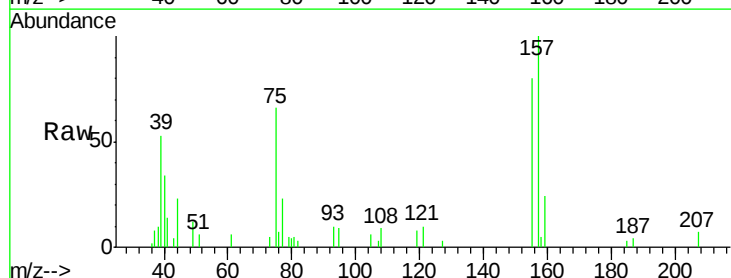
Manual Integrations
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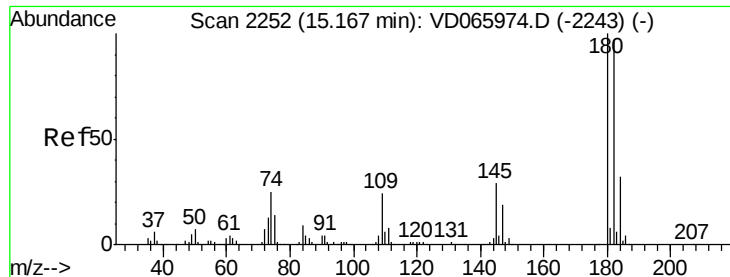
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#92
1,2-Dibromo-3-Chloropropane
Concen: 21.664 ug/l
RT: 14.51 min Scan# 2141
Delta R.T. 0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.0	48.5	145.5
157	126.1	64.7	194.1





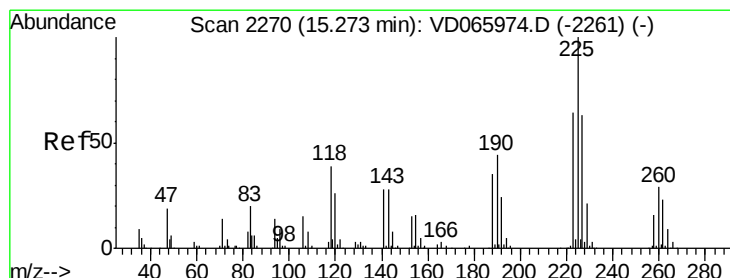
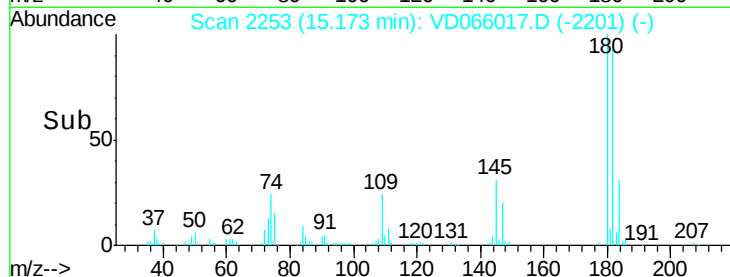
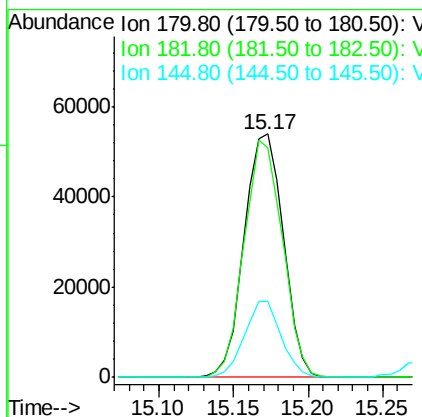
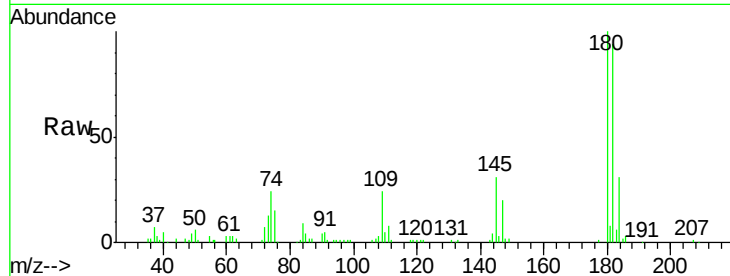
#93
1,2,4-Trichlorobenzene
Concen: 22.931 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD0723SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	98129		
182	95.5	48.1	144.3	
145	29.2	14.7	44.1	

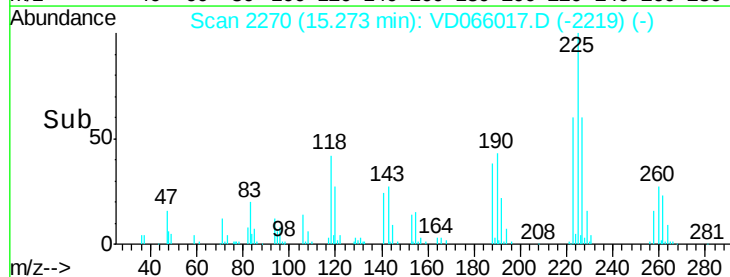
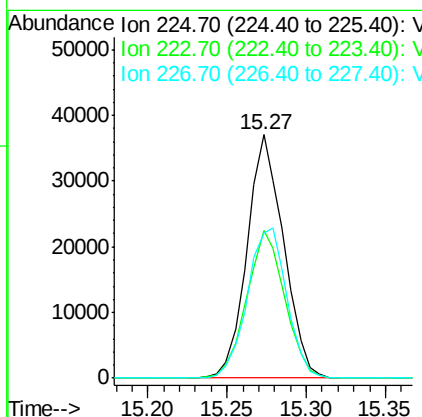
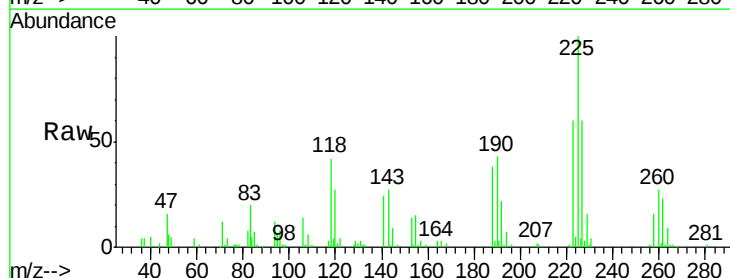
Manual Integrations
APPROVED

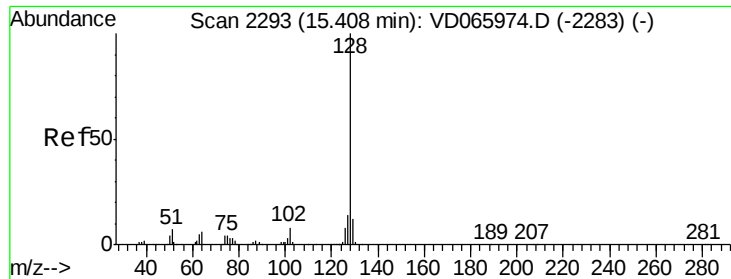
MMDadoda
7/24/2020 12:59:48 PM



#94
Hexachlorobutadiene
Concen: 22.440 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD066017.D
Acq: 23 Jul 2020 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	59367		
223	63.0	31.2	93.6	
227	66.2	31.6	94.8	





#95

Naphthalene

Concen: 21.594 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Instrument :

MSVOA_D

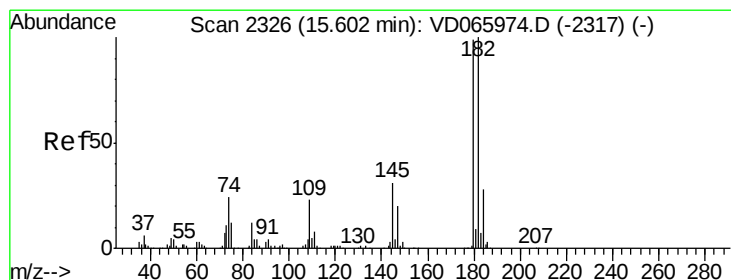
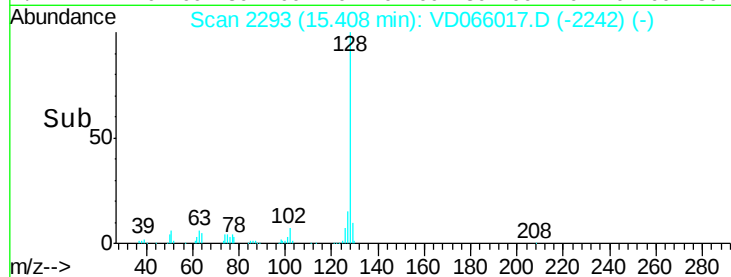
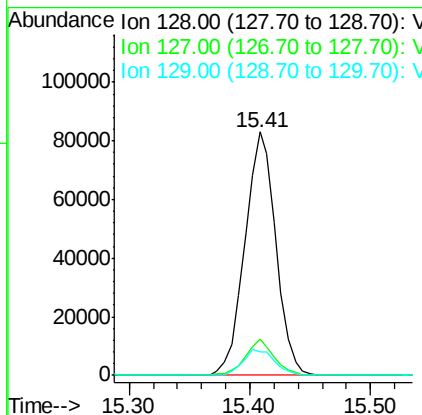
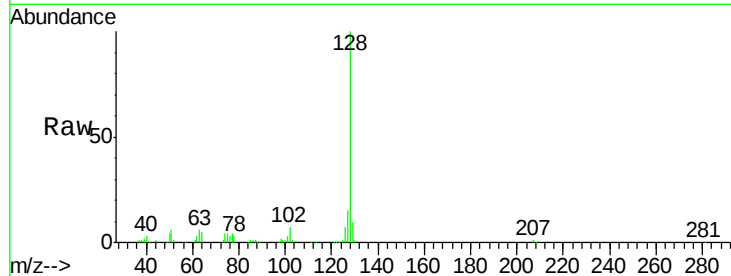
ClientSampleId :

VD0723SBS01

Tot Ion:	128	Resp:	147822
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.8	16.2
129	11.0	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/24/2020 12:59:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 22.768 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066017.D

Acq: 23 Jul 2020 11:56

Tgt Ion:	180	Resp:	84699
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.9	143.6
145	30.5	15.4	46.2

