

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD082120\
 Data File : VD066361.D
 Acq On : 21 Aug 2020 15:59
 Operator : VA/SY
 Sample : VD0821SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Manual Integrations
 APPROVED

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 8/24/2020 4:37:12 PM

Quant Time: Aug 22 02:30:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082120S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 13:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	256443	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	357621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	329008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	174158	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	125421	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
35) Dibromofluoromethane	7.91	113	111359	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	10.34	98	413677	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.63	95	150764	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	44773	20.537	ug/l	99
3) Chloromethane	2.21	50	30272	19.589	ug/l	100
4) Vinyl Chloride	2.34	62	31289	18.858	ug/l	98
5) Bromomethane	2.75	94	23218	18.708	ug/l	98
6) Chloroethane	2.92	64	20226	19.037	ug/l	99
7) Trichlorofluoromethane	3.27	101	88213	19.551	ug/l	97
8) Diethyl Ether	3.71	74	18108	17.913	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	42612	19.137	ug/l	98
10) Methyl Iodide	4.30	142	40547	15.966	ug/l	97
11) Tert butyl alcohol	5.21	59	21420	127.032	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	39605	18.949	ug/l	93
13) Acrolein	3.92	56	9558	85.611	ug/l	99
14) Allyl chloride	4.71	41	53211	19.074	ug/l	98
15) Acrylonitrile	5.41	53	37802	93.200	ug/l	97
16) Acetone	4.16	43	39281	86.663	ug/l	98
17) Carbon Disulfide	4.40	76	119829	18.918	ug/l	99
18) Methyl Acetate	4.72	43	15780	18.549	ug/l	91
19) Methyl tert-butyl Ether	5.47	73	95661	19.008	ug/l #	88
20) Methylene Chloride	4.96	84	59807	21.022	ug/l	92
21) trans-1,2-Dichloroethene	5.47	96	43982	18.077	ug/l	95
22) Diisopropyl ether	6.36	45	104838	19.410	ug/l	98
23) Vinyl Acetate	6.30	43	321000	96.000	ug/l	97
24) 1,1-Dichloroethane	6.27	63	72201	18.916	ug/l	98
25) 2-Butanone	7.20	43	49571	96.336	ug/l #	89
26) 2,2-Dichloropropane	7.20	77	79801	19.506	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	50110	19.222	ug/l	97
28) Bromochloromethane	7.54	49	22613	17.199	ug/l	98
29) Tetrahydrofuran	7.56	42	28845	98.694	ug/l	98
30) Chloroform	7.71	83	82904	18.773	ug/l	99
31) Cyclohexane	7.98	56	66182	18.958	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	86799	19.204	ug/l	99
36) 1,1-Dichloropropene	8.11	75	64096	19.643	ug/l	99
37) Ethyl Acetate	7.29	43	20177	18.180	ug/l #	89
38) Carbon Tetrachloride	8.08	117	83648	19.676	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	75159	19.553	ug/l	91
40) Benzene	8.34	78	169942	19.797	ug/l	99
41) Methacrylonitrile	7.52	41	12679m	18.526	ug/l	
42) 1,2-Dichloroethane	8.42	62	59420	19.654	ug/l	97
43) Isopropyl Acetate	8.44	43	42871	19.246	ug/l	99
44) Trichloroethene	9.10	130	54373	19.493	ug/l	97
45) 1,2-Dichloropropane	9.38	63	38186	19.622	ug/l	95
46) Dibromomethane	9.47	93	23716	19.573	ug/l	99
47) Bromodichloromethane	9.66	83	65289	19.594	ug/l	100
48) Methyl methacrylate	9.45	41	22525	19.609	ug/l	95
49) 1,4-Dioxane	9.46	88	5546	394.192	ug/l #	86
51) 4-Methyl-2-Pentanone	10.23	43	106935	99.234	ug/l	99
52) Toluene	10.40	92	114748	19.731	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	61830	19.555	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	68909	19.417	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	31251	19.052	ug/l	96
56) Ethyl methacrylate	10.66	69	36880	19.422	ug/l	91
57) 1,3-Dichloropropane	10.94	76	52582	19.380	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	78893	100.036	ug/l	98
59) 2-Hexanone	10.98	43	75893	99.845	ug/l	97
60) Dibromochloromethane	11.14	129	47694	19.290	ug/l	99
61) 1,2-Dibromoethane	11.24	107	32133	19.906	ug/l	96
64) Tetrachloroethene	10.87	164	50165	20.100	ug/l	98
65) Chlorobenzene	11.67	112	127785	19.522	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	51807	19.367	ug/l	98
67) Ethyl Benzene	11.74	91	226671	19.673	ug/l	91
68) m/p-Xylenes	11.86	106	176334	40.152	ug/l	97
69) o-Xylene	12.18	106	80399	19.679	ug/l	100
70) Styrene	12.20	104	140415	20.016	ug/l	98
71) Bromoform	12.36	173	30372	20.013	ug/l #	99
73) Isopropylbenzene	12.48	105	231186	19.816	ug/l	99
74) N-amyl acetate	12.29	43	41823	19.848	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	32841	19.705	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	22856m	18.655	ug/l	
77) Bromobenzene	12.76	156	58711	19.827	ug/l	100
78) n-propylbenzene	12.82	91	262525	19.625	ug/l	99
79) 2-Chlorotoluene	12.91	91	148348	19.417	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	199018	19.757	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	11424	19.792	ug/l	96
82) 4-Chlorotoluene	13.01	91	157474	19.454	ug/l	99
83) tert-Butylbenzene	13.23	119	168673	19.278	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	199555	20.169	ug/l	98
85) sec-Butylbenzene	13.40	105	224077	19.547	ug/l	99
86) p-Isopropyltoluene	13.52	119	220677	19.964	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	110460	19.984	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107663	19.399	ug/l	99
89) n-Butylbenzene	13.85	91	187478	19.220	ug/l	99
90) Hexachloroethane	14.11	117	42899	19.646	ug/l	91
91) 1,2-Dichlorobenzene	13.89	146	95087	19.983	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6887	19.702	ug/l	86

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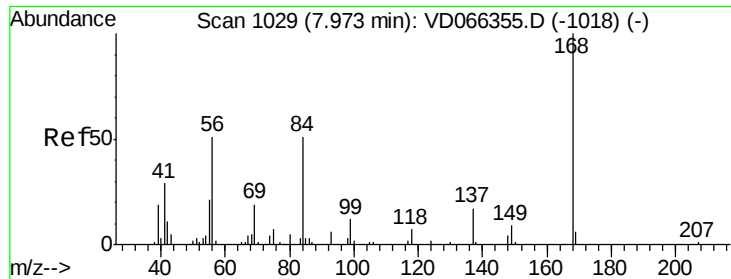
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	72200	19.436	ug/l	97
94) Hexachlorobutadiene	15.27	225	44159	19.128	ug/l	98
95) Naphthalene	15.41	128	110092	18.869	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	61597	19.356	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion:168 Resp: 256443

Ion Ratio Lower Upper

168 100

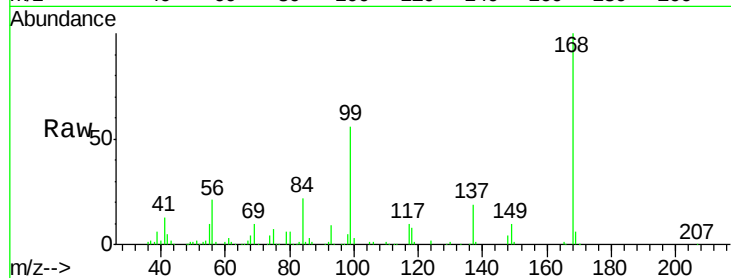
99 55.3 45.4 68.0

Manual Integrations

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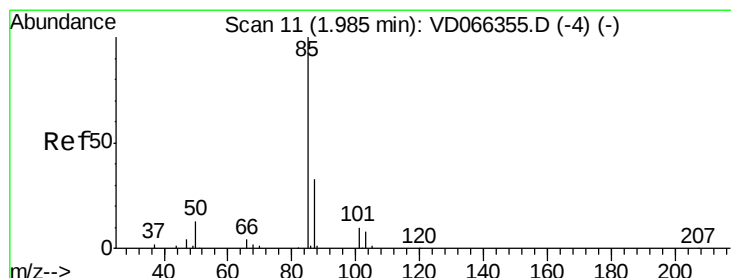
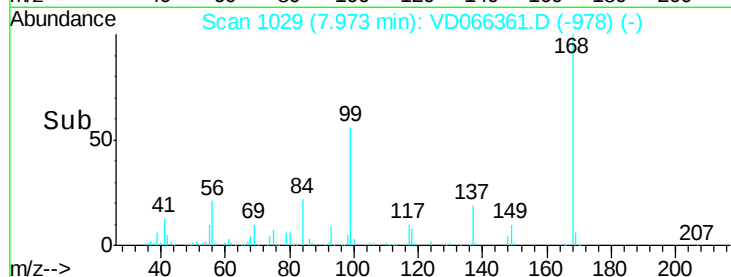
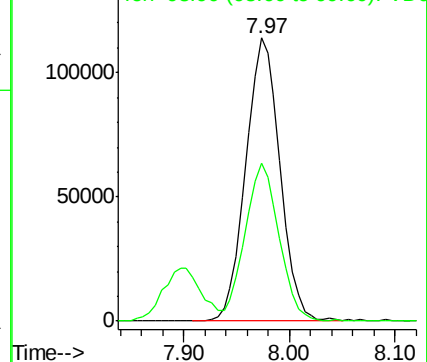
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.537 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066361.D

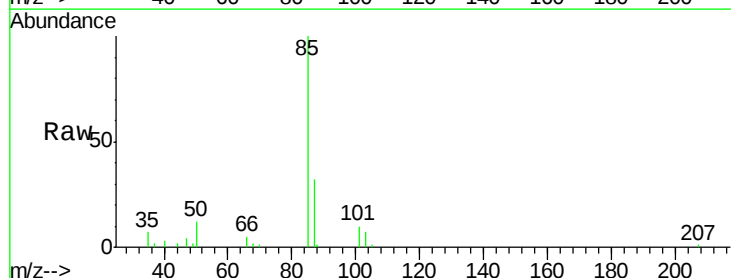
Acq: 21 Aug 2020 15:59

Tgt Ion: 85 Resp: 44773

Ion Ratio Lower Upper

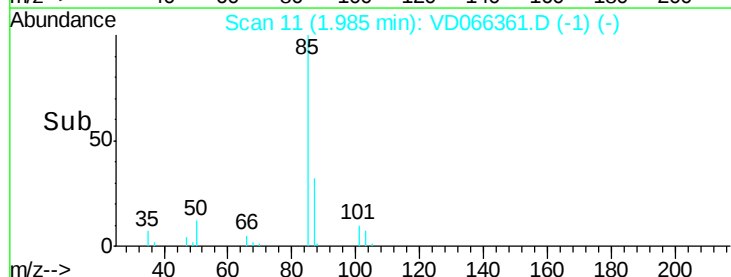
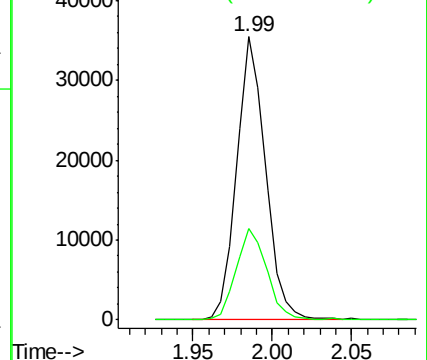
85 100

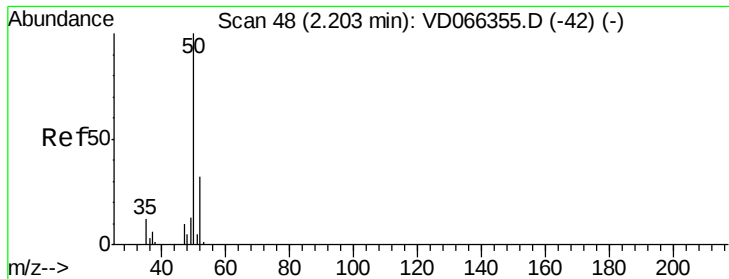
87 32.1 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.589 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 50 Resp: 30272

Ion Ratio Lower Upper

50 100

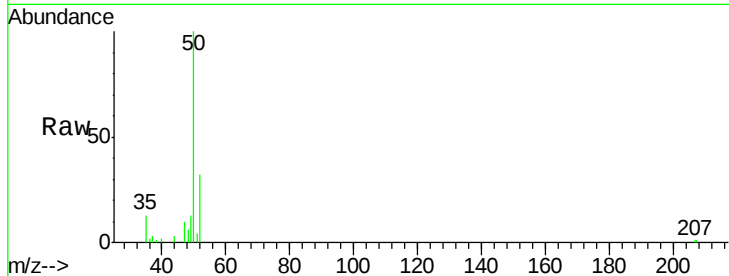
52 31.8 25.7 38.5

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

25000

20000

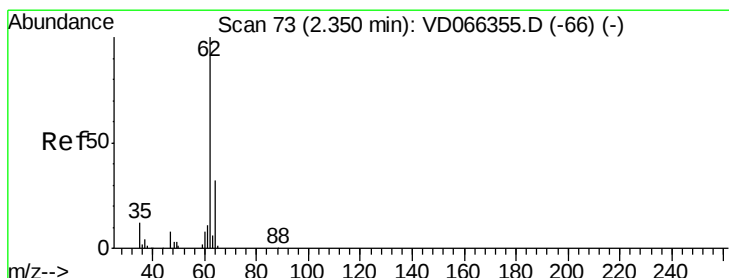
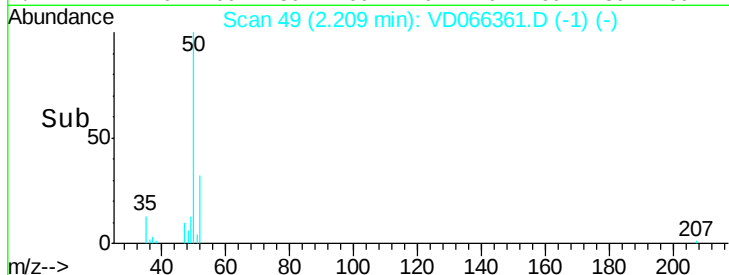
15000

10000

5000

0

Time-->



#4

Vinyl Chloride

Concen: 18.858 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD066361.D

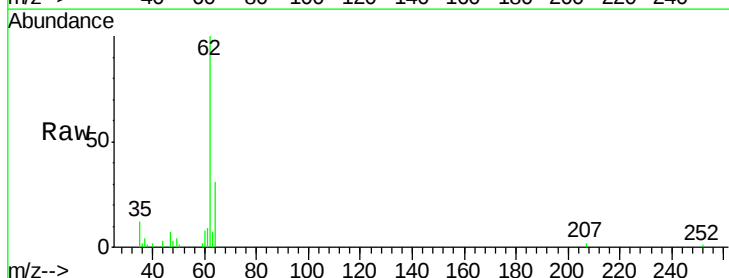
Acq: 21 Aug 2020 15:59

Tgt Ion: 62 Resp: 31289

Ion Ratio Lower Upper

62 100

64 30.8 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

20000

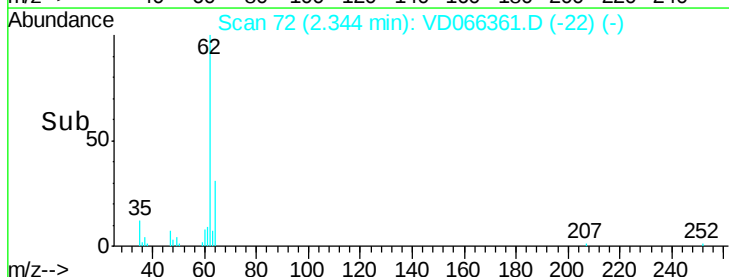
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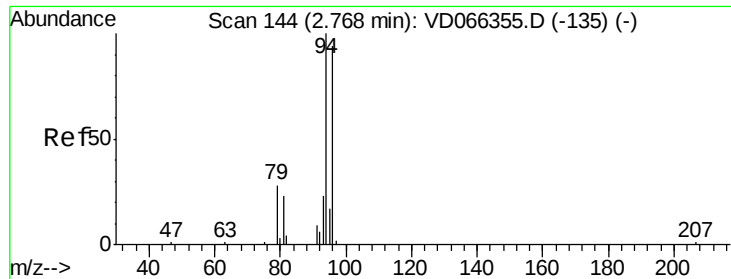
10000

5000

0

Time-->





#5

Bromomethane

Concen: 18.708 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.02 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 94 Resp: 23218

Ion Ratio Lower Upper

94 100

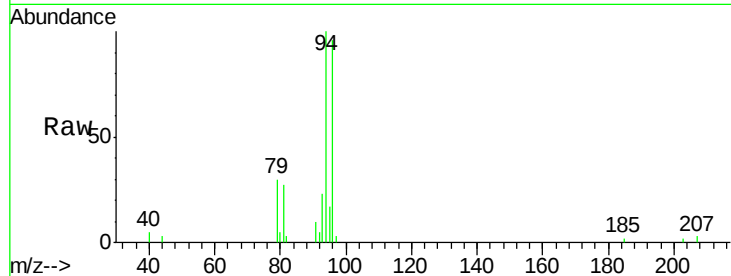
96 95.7 75.0 112.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

12000

10000

8000

6000

4000

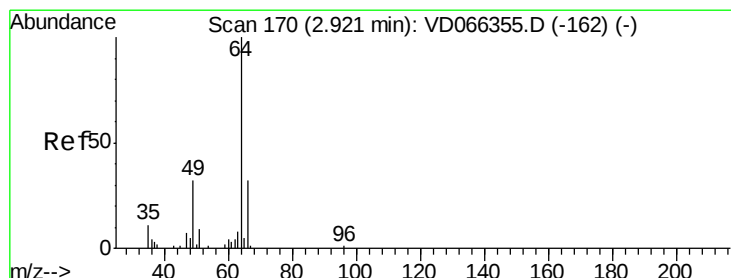
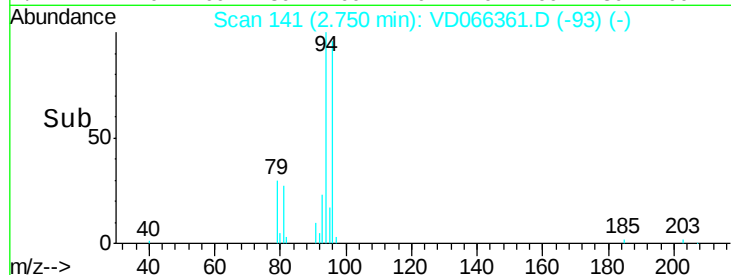
2000

0

Time-->

2.65 2.70 2.75 2.80 2.85

2.75



#6

Chloroethane

Concen: 19.037 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD066361.D

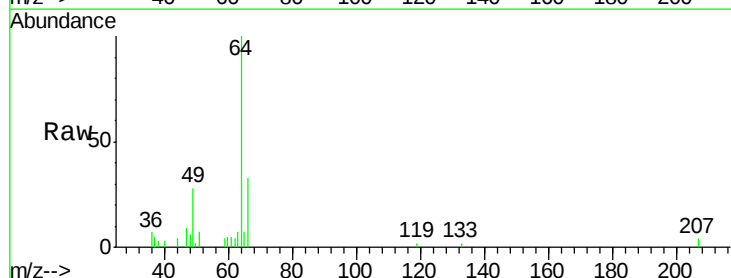
Acq: 21 Aug 2020 15:59

Tgt Ion: 64 Resp: 20226

Ion Ratio Lower Upper

64 100

66 33.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

10000

8000

6000

4000

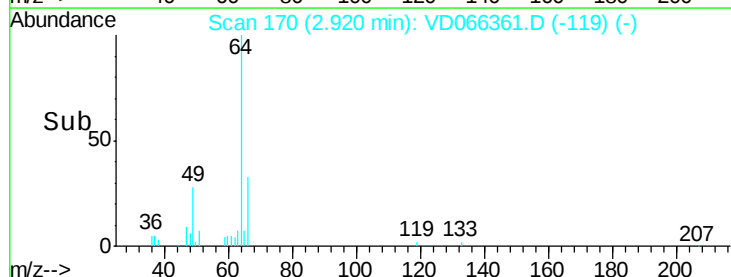
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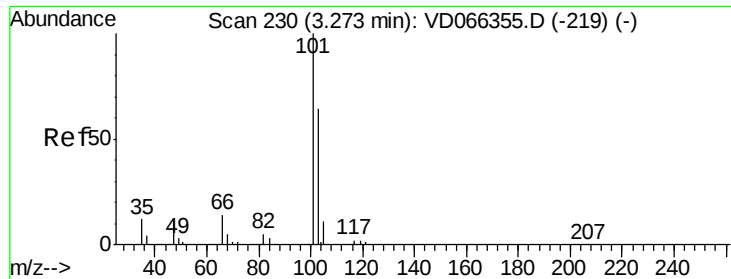
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Time-->

2.85 2.90 2.95 3.00

2.92





#7

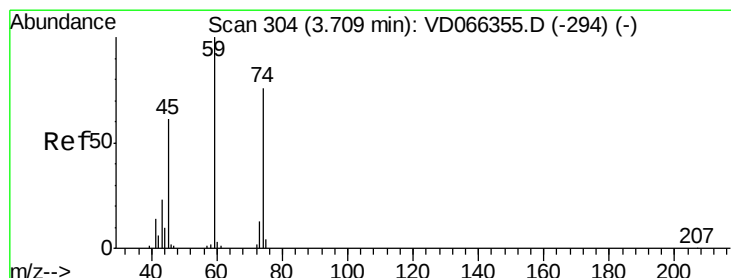
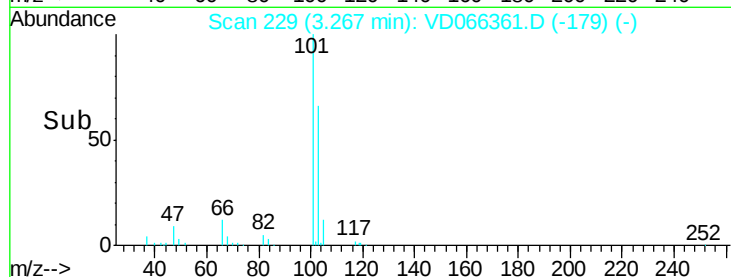
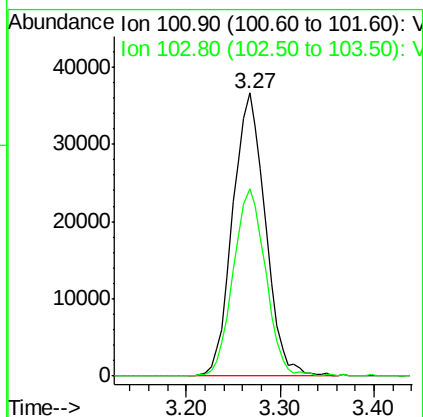
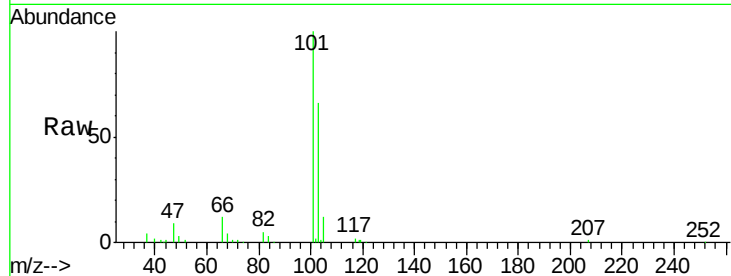
Trichlorofluoromethane
 Concen: 19.551 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066361.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	51.4	77.0

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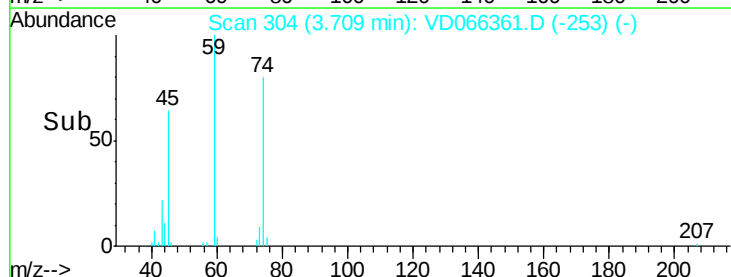
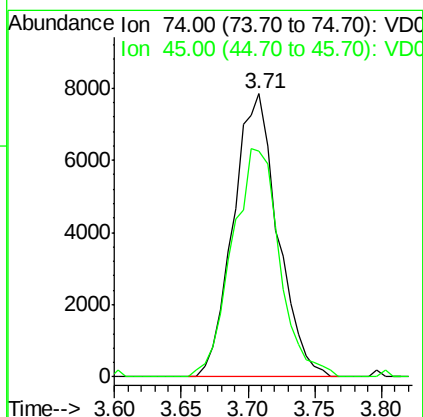
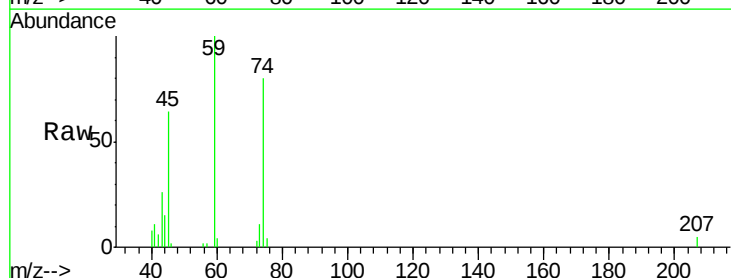
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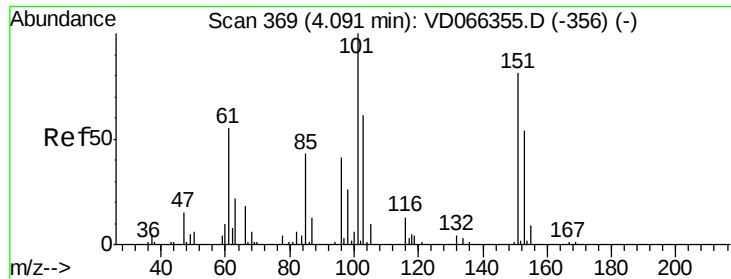


#8

Diethyl Ether
 Concen: 17.913 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.1	42.8	128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.137 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

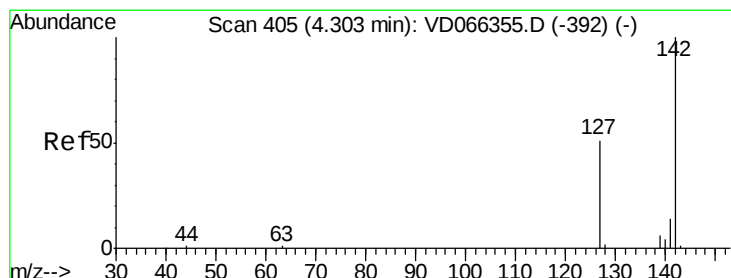
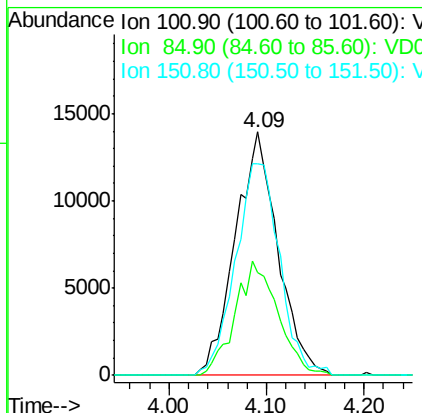
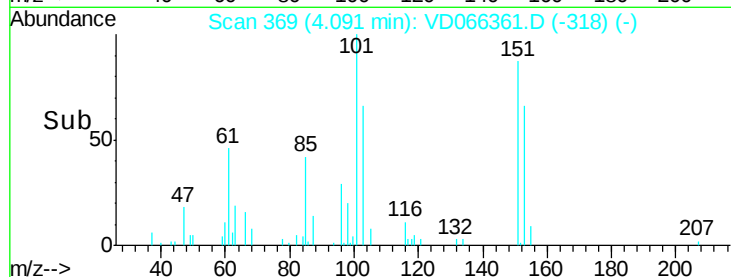
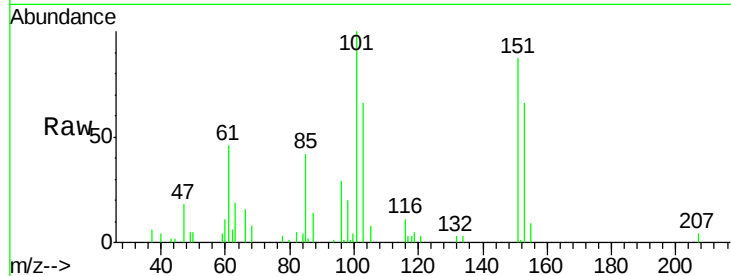
ClientSampleId :

VD0821SBS01

Tot Ion:	101	Resp:	42612
Ion Ratio	Lower	Upper	
101	100		
85	46.7	36.4	54.6
151	90.2	70.5	105.7

Manual Integrations
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#10

Methyl Iodide

Concen: 15.966 ug/l

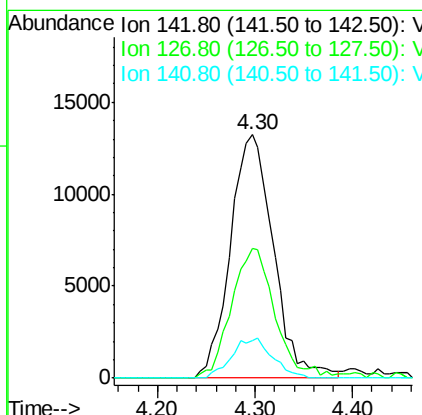
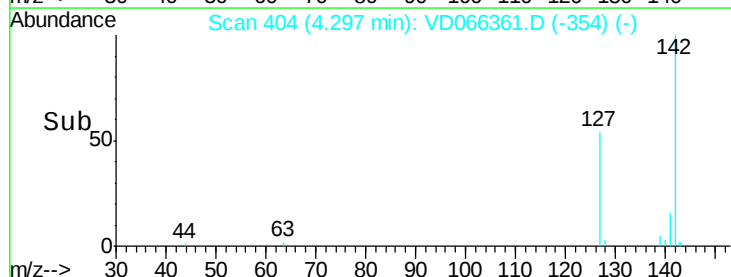
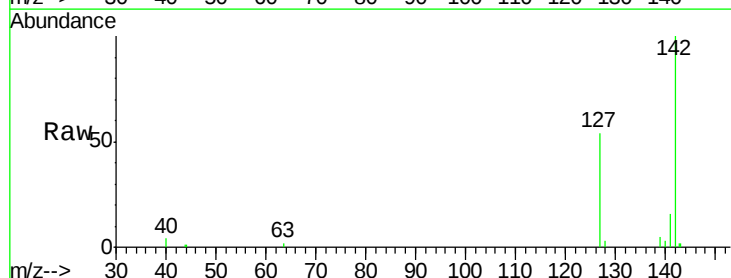
RT: 4.30 min Scan# 404

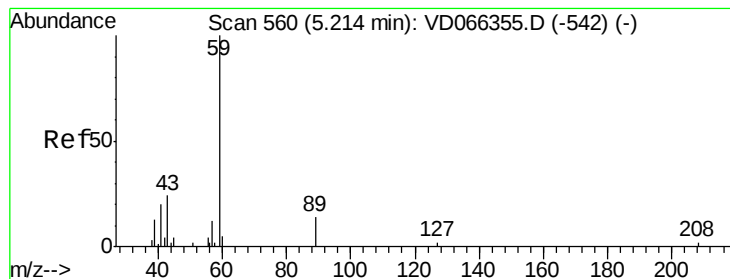
Delta R.T. -0.01 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Tgt Ion:	142	Resp:	40547
Ion Ratio	Lower	Upper	
142	100		
127	54.2	41.8	62.8
141	15.4	11.8	17.6





#11

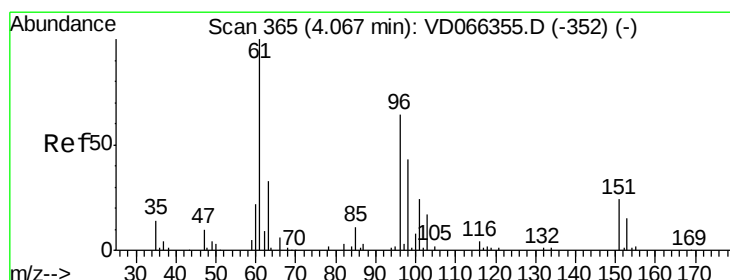
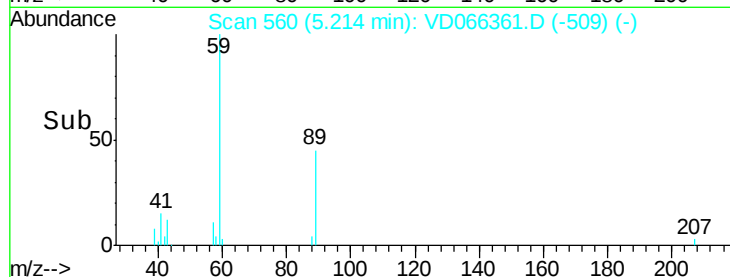
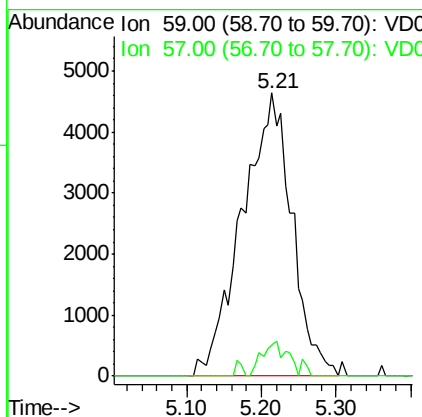
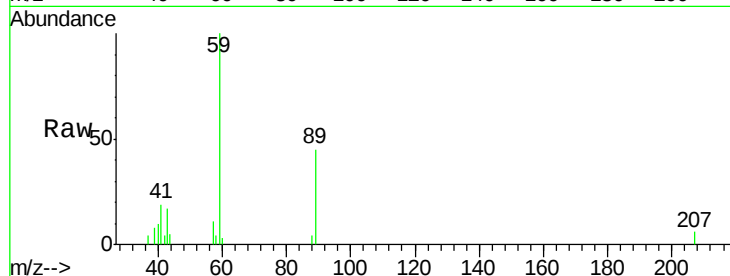
Tert butyl alcohol
Concen: 127.032 ug/l
RT: 5.21 min Scan# 560
Delta R.T. 0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.2	9.0	13.4#

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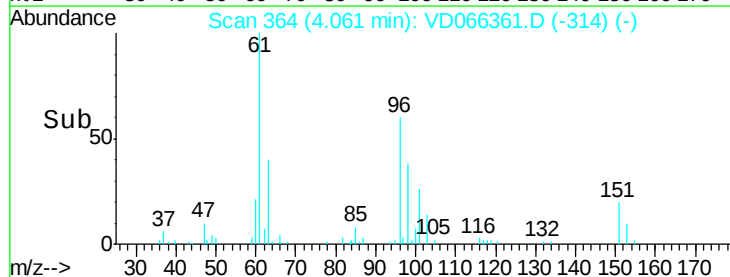
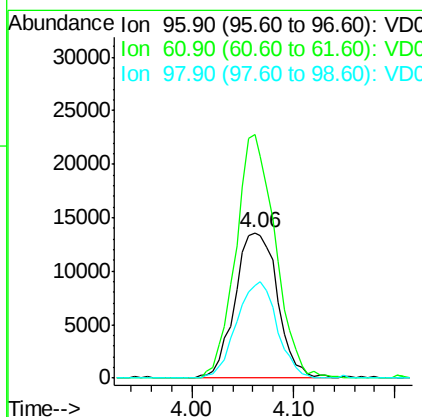
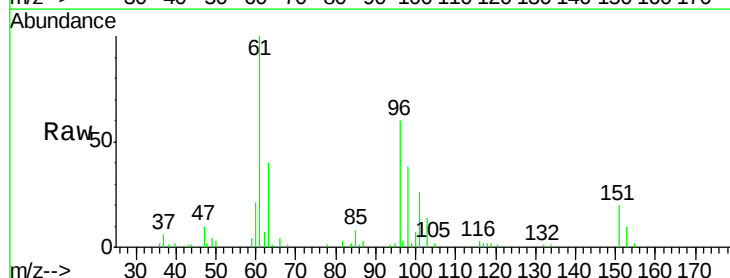
MMDadoda
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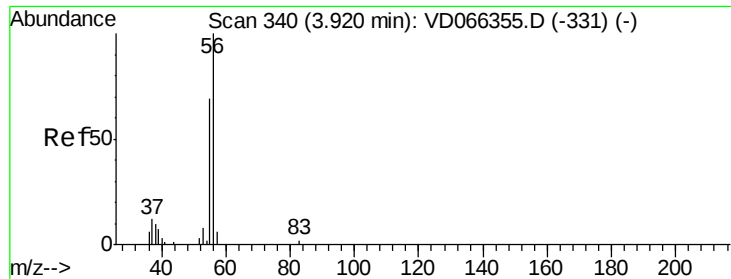


#12

1,1-Dichloroethene
Concen: 18.949 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.4	124.3	186.5
98	64.0	53.2	79.8





#13

Acrolein

Concen: 85.611 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

Tot Ion: 56 Resp: 9558

Ion Ratio Lower Upper

56 100

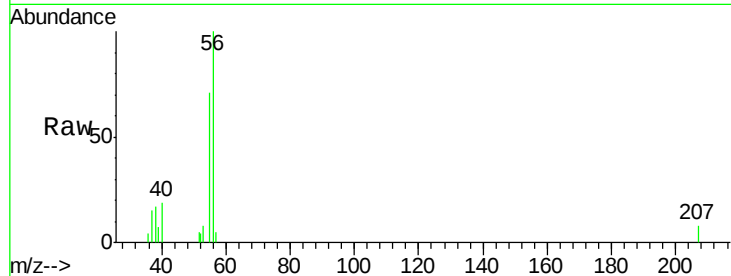
55 68.7 55.5 83.3

Manual Integrations

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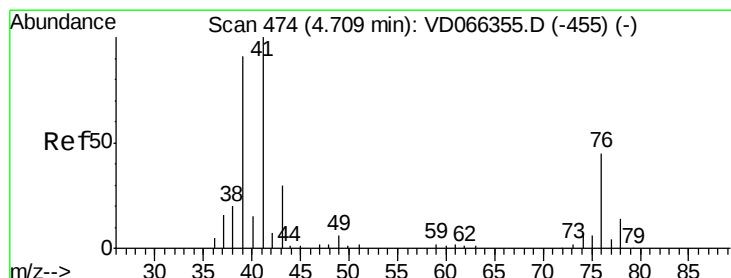
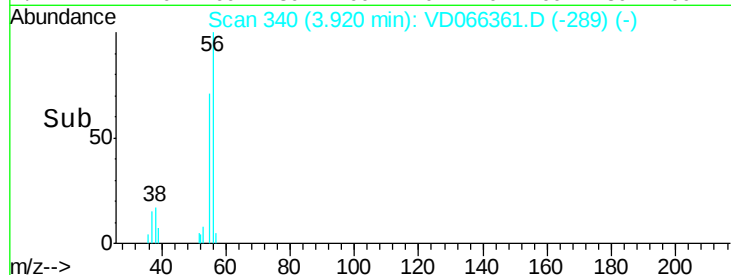
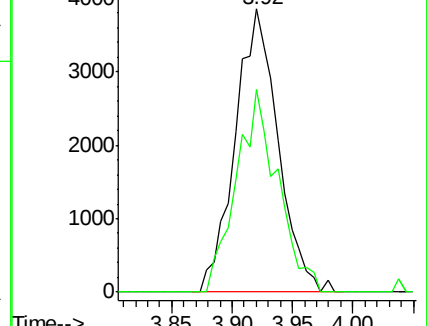
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.074 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

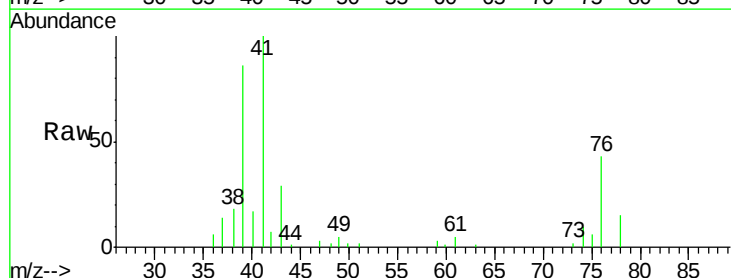
Tgt Ion: 41 Resp: 53211

Ion Ratio Lower Upper

41 100

39 89.7 72.8 109.2

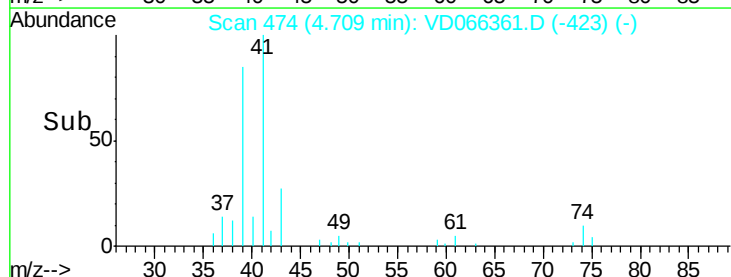
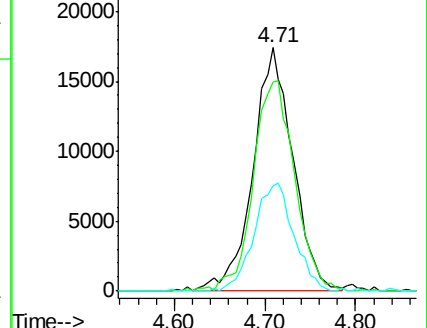
76 44.0 34.0 51.0

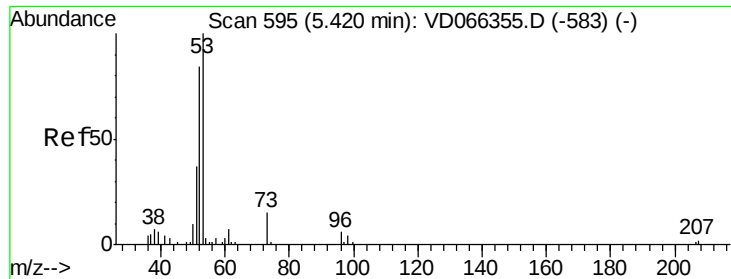


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 93.200 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

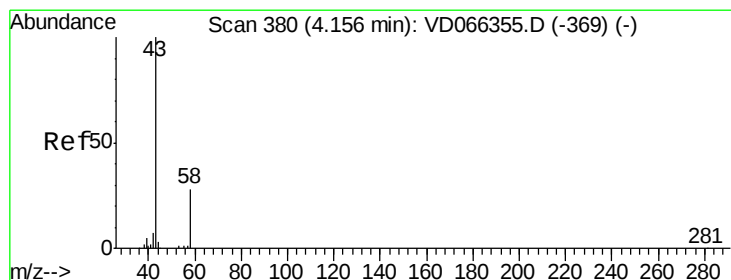
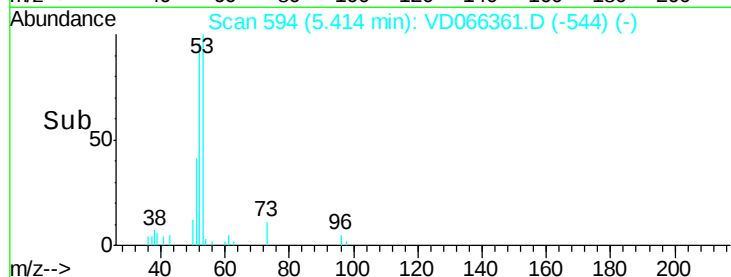
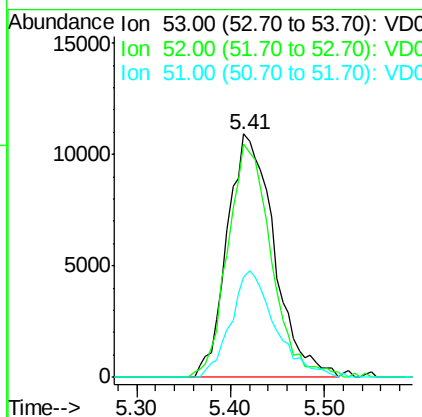
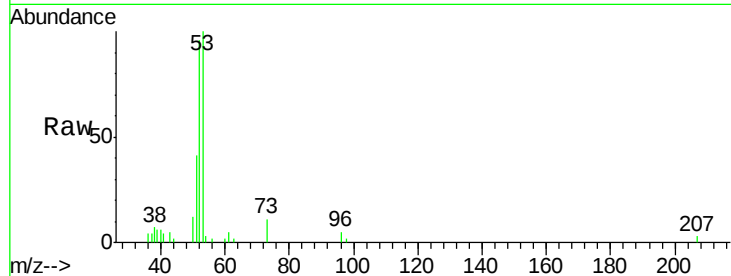
ClientSampleId :

VD0821SBS01

Tot Ion:	53	Resp:	37802
Ion	Ratio	Lower	Upper
53	100		
52	88.8	68.1	102.1
51	41.8	33.8	50.6

Manual Integrations
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#16

Acetone

Concen: 86.663 ug/l

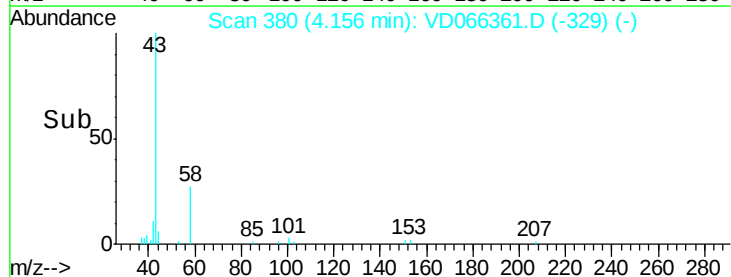
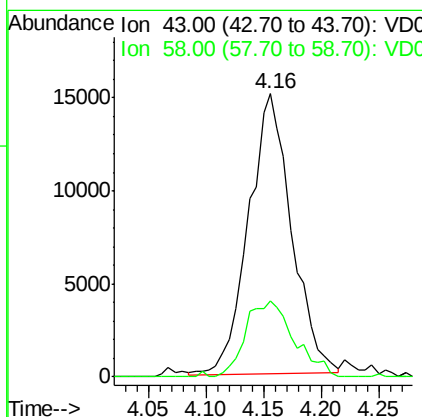
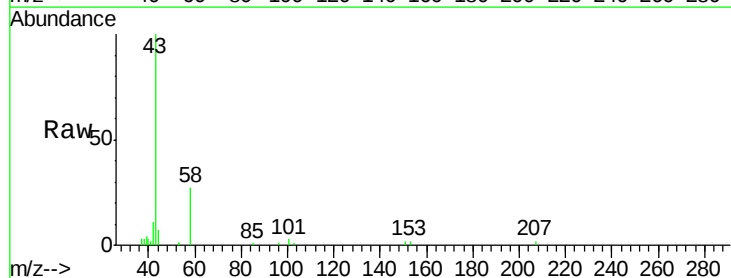
RT: 4.16 min Scan# 380

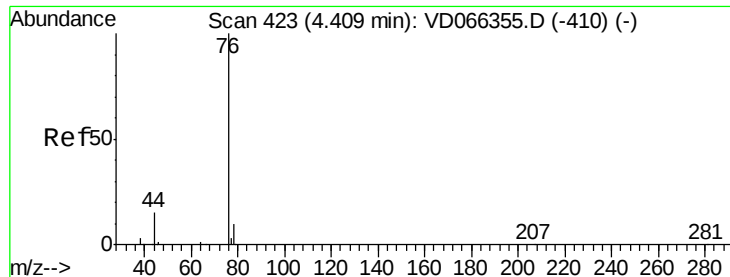
Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Tgt Ion:	43	Resp:	39281
Ion	Ratio	Lower	Upper
43	100		
58	27.5	22.7	34.1





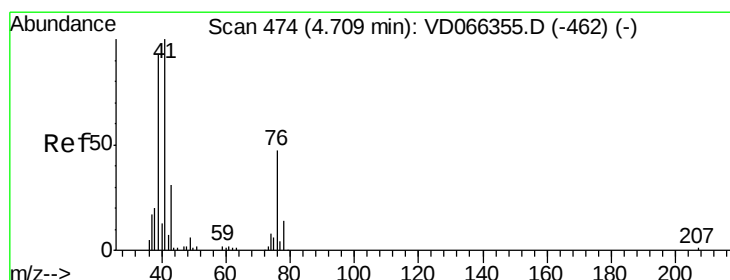
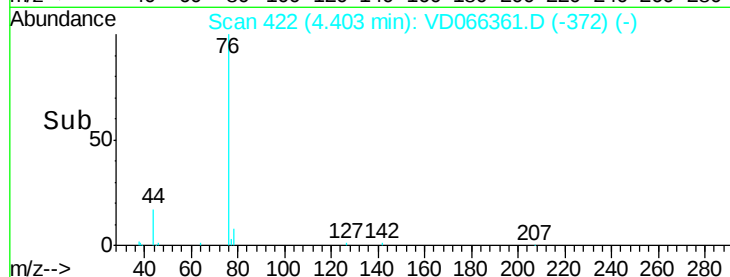
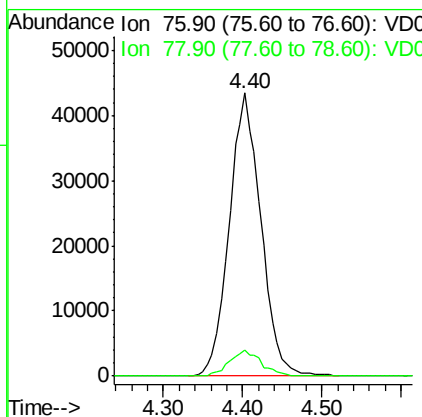
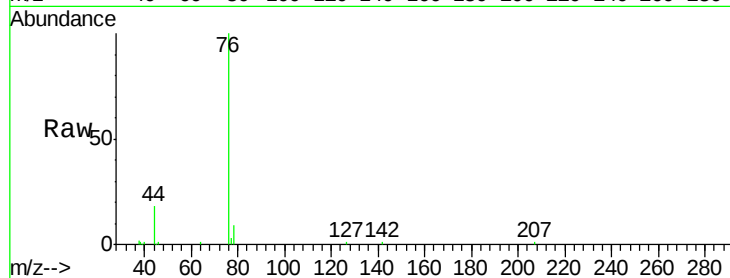
#17
Carbon Disulfide
Concen: 18.918 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

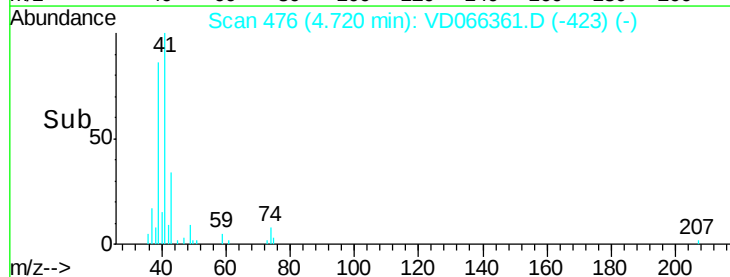
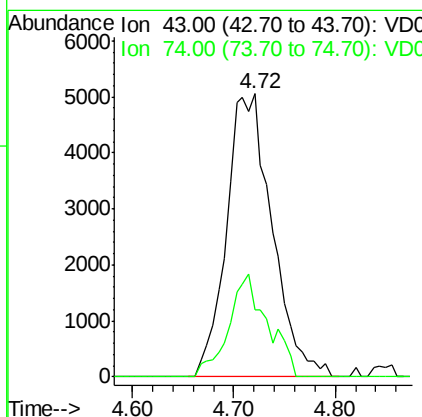
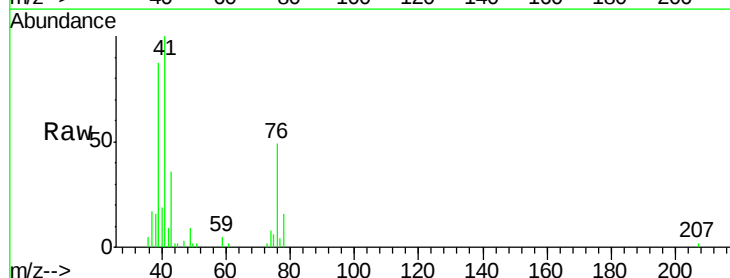
Manual Integrations
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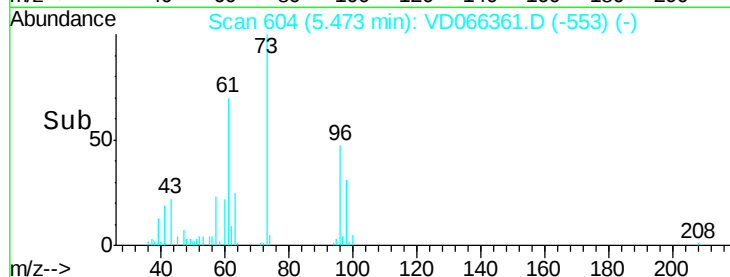
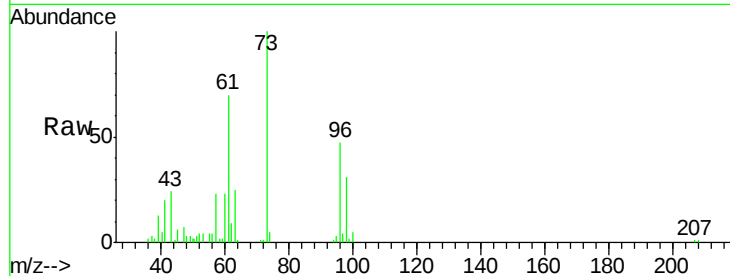
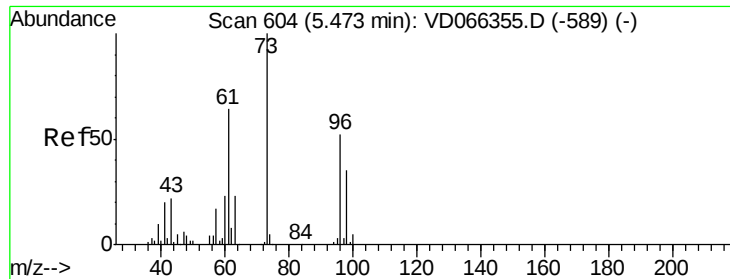
MMDadoda
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#18
Methyl Acetate
Concen: 18.549 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.8	21.0	31.6





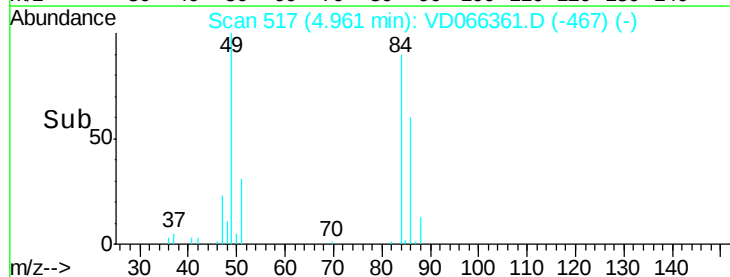
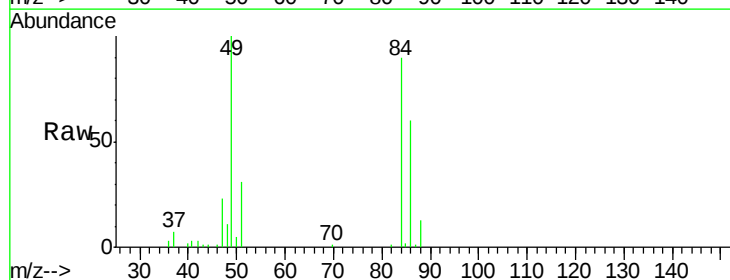
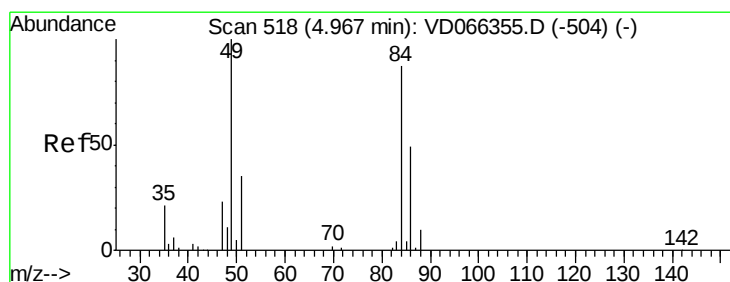
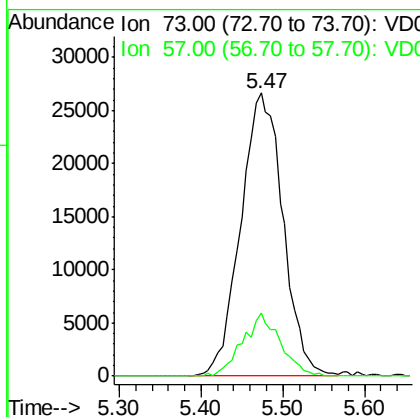
#19
Methvl tert-butvl Ether
Concen: 19.008 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tot Ion: 73 Resp: 95661
Ion Ratio Lower Upper
73 100
57 22.5 13.8 20.6#

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

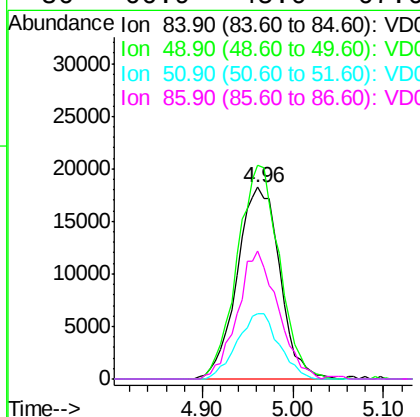
Manual Integrations
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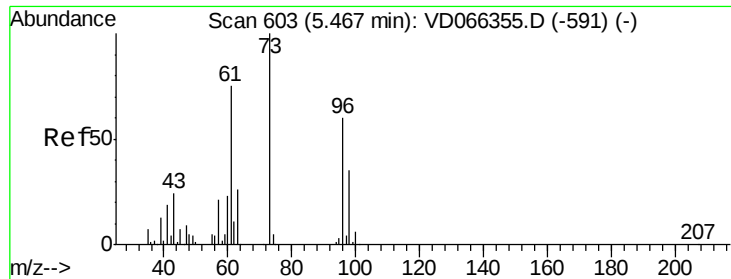
MMDadoda
8/24/2020 4:37:12 PM



#20
Methylene Chloride
Concen: 21.022 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion: 84 Resp: 59807
Ion Ratio Lower Upper
84 100
49 111.4 92.5 138.7
51 34.3 32.5 48.7
86 66.9 45.0 67.6





#21

trans-1,2-Dichloroethene

Concen: 18.077 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

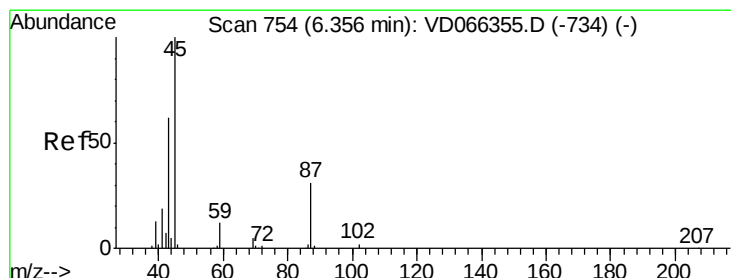
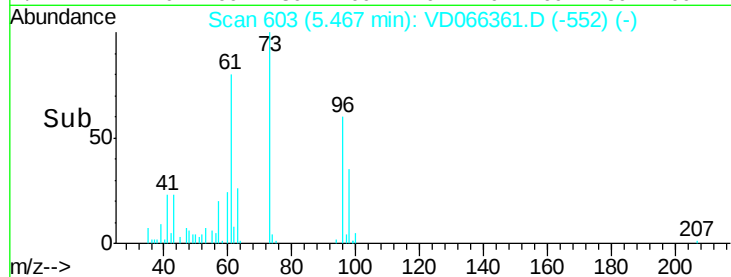
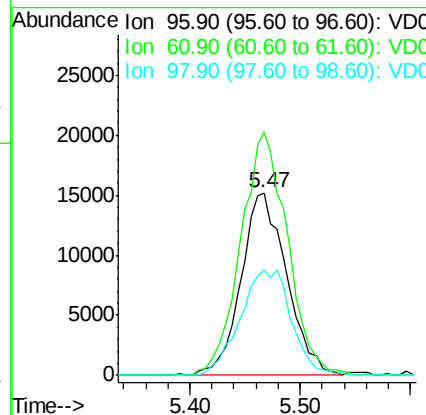
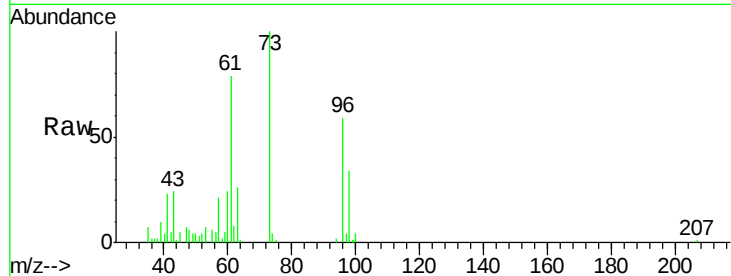
ClientSampleId :

VD0821SBS01

Tot Ion:	96	Resp:	43982
Ion	Ratio	Lower	Upper
96	100		
61	133.6	101.1	151.7
98	58.1	47.0	70.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.410 ug/l

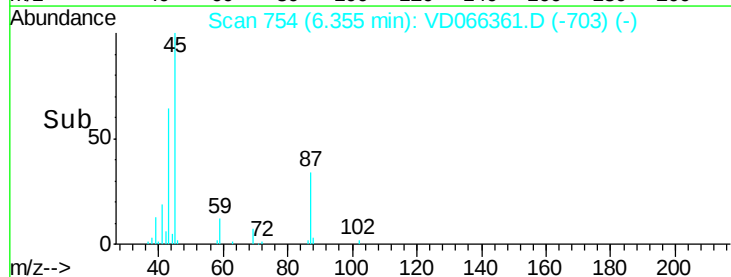
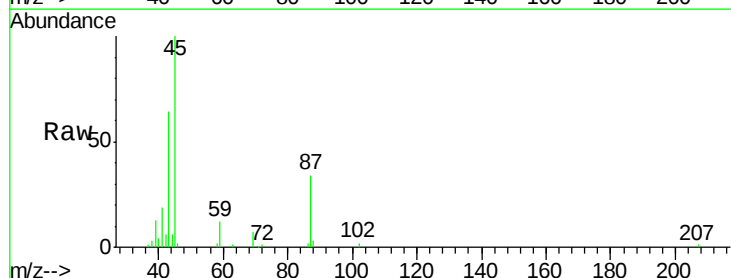
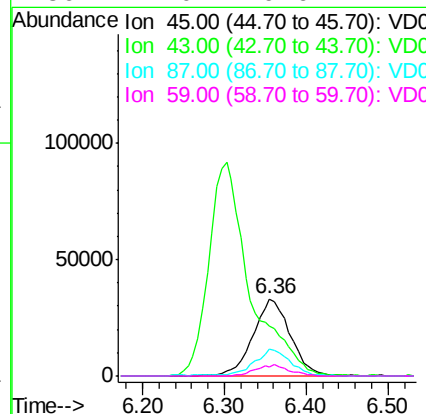
RT: 6.36 min Scan# 754

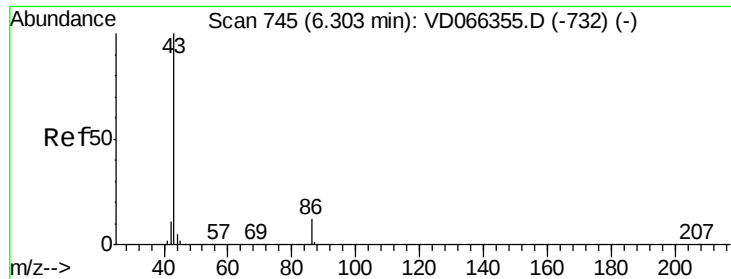
Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Tgt Ion:	45	Resp:	104838
Ion	Ratio	Lower	Upper
45	100		
43	63.0	49.8	74.8
87	34.1	25.0	37.6
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 96.000 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 43 Resp: 321000

Ion Ratio Lower Upper

43 100

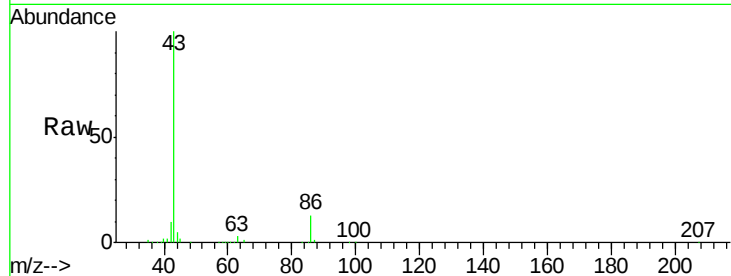
86 12.9 9.4 14.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

100000

80000

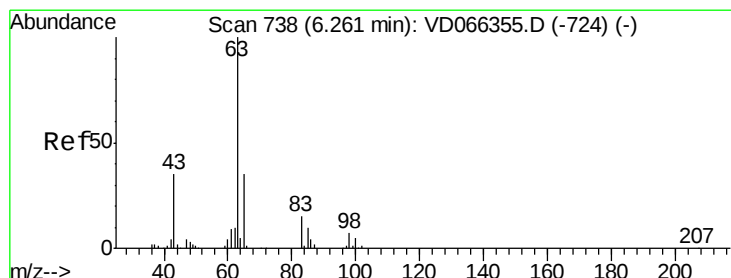
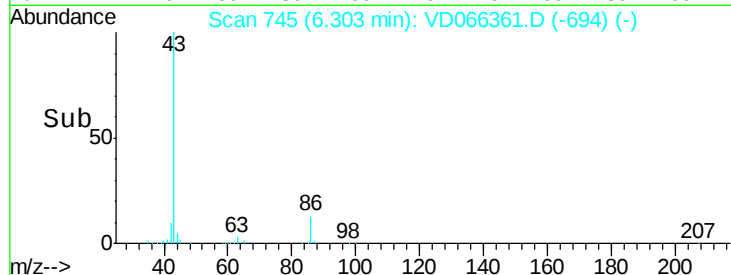
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.916 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

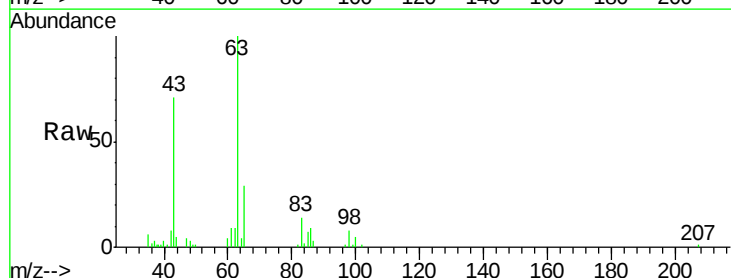
Tgt Ion: 63 Resp: 72201

Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.6

100 4.8 2.5 7.6



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

6.27

30000

25000

20000

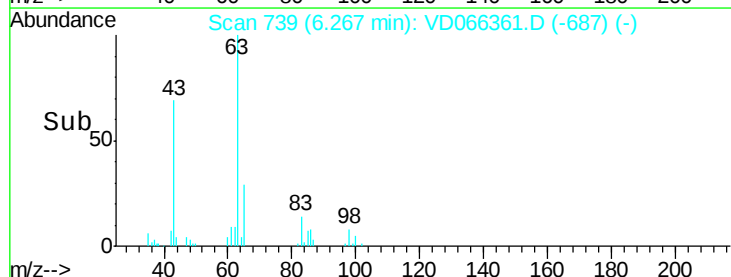
15000

10000

5000

0

Time-->





#25

2-Butanone

Concen: 96.336 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 43 Resp: 49571

Ion Ratio Lower Upper

43 100

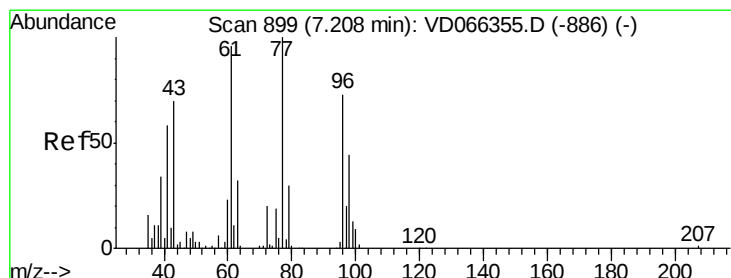
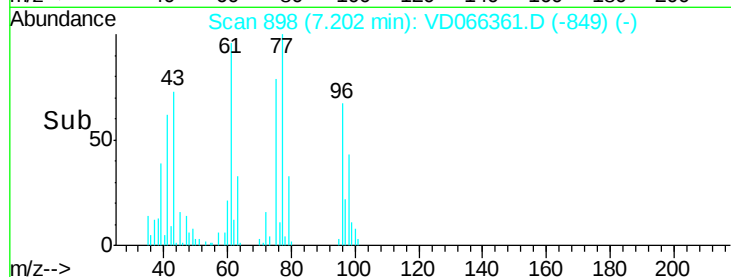
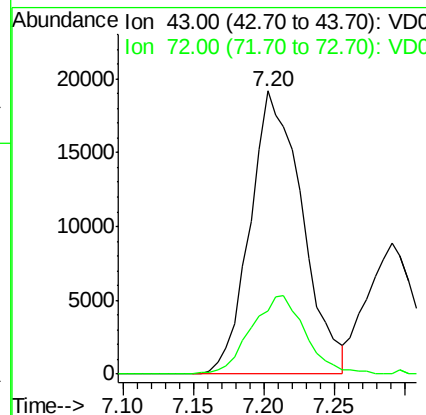
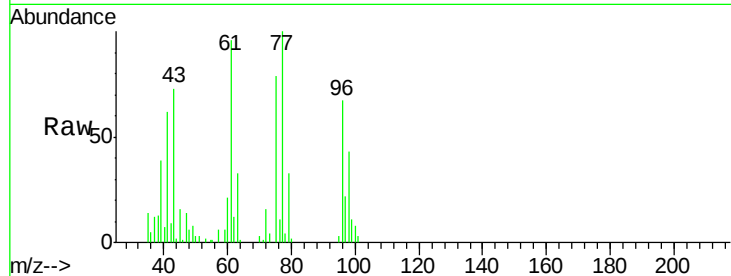
72 22.2 22.5 33.7#

Manual Integrations

APPROVED

MMDadoda

8/24/2020 4:37:12 PM



#26

2,2-Dichloropropane

Concen: 19.506 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066361.D

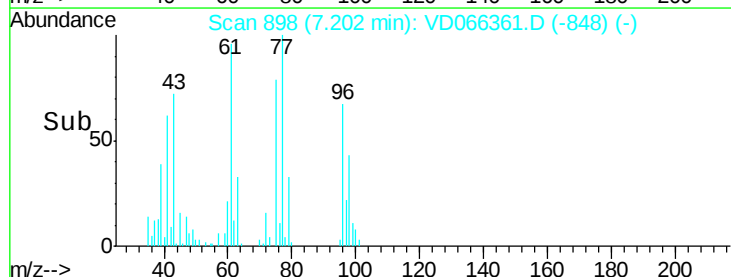
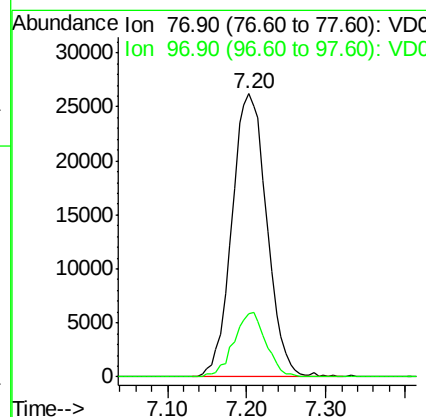
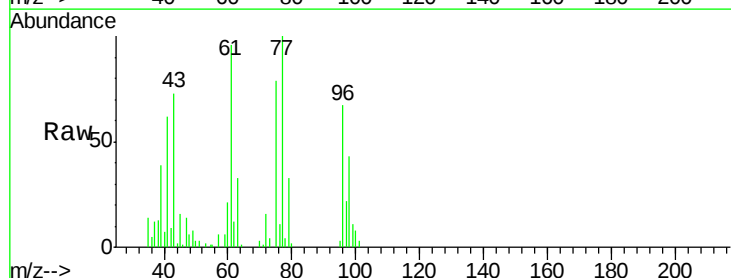
Acq: 21 Aug 2020 15:59

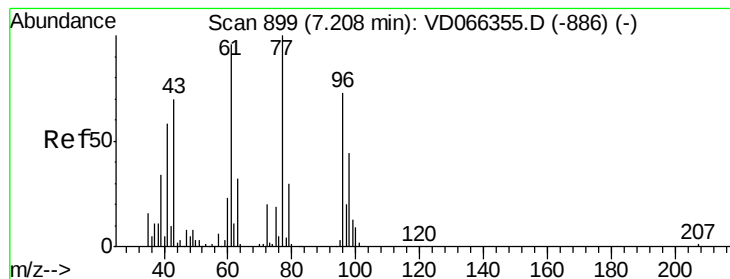
Tgt Ion: 77 Resp: 79801

Ion Ratio Lower Upper

77 100

97 20.9 10.7 31.9





#27

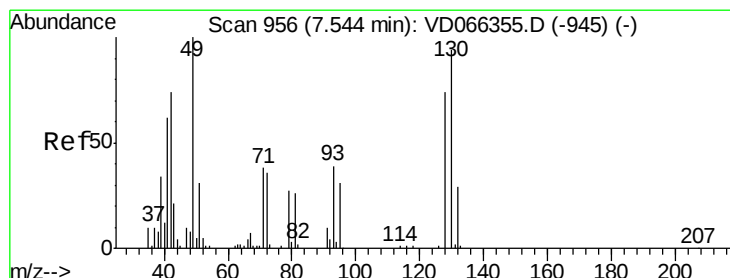
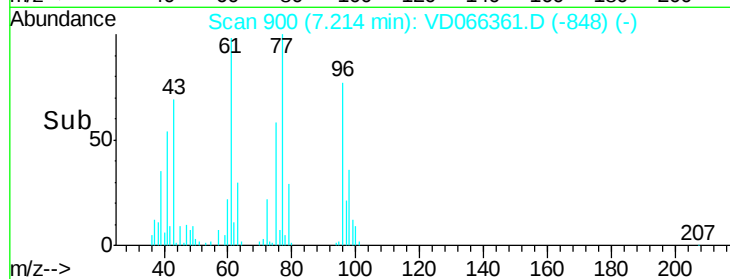
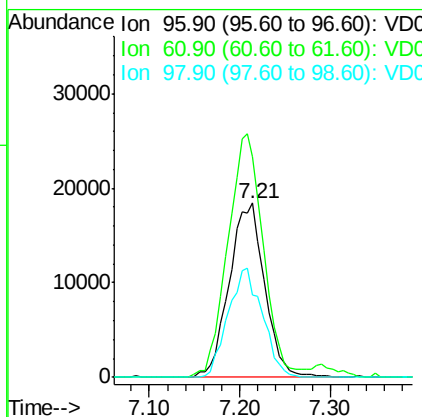
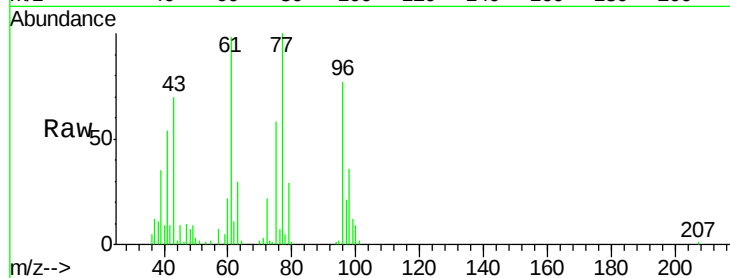
cis-1,2-Dichloroethene
Concen: 19.222 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	50110		
61	139.7		0.0	281.4
98	60.3		0.0	132.2

Manual Integrations
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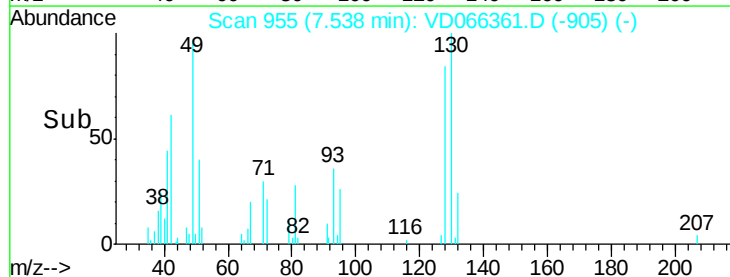
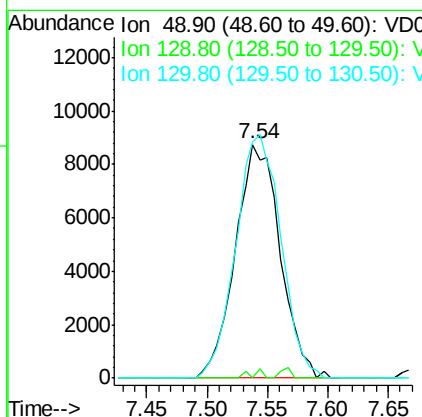
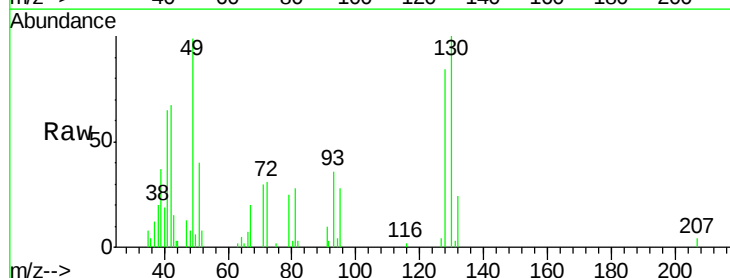
MMDadoda
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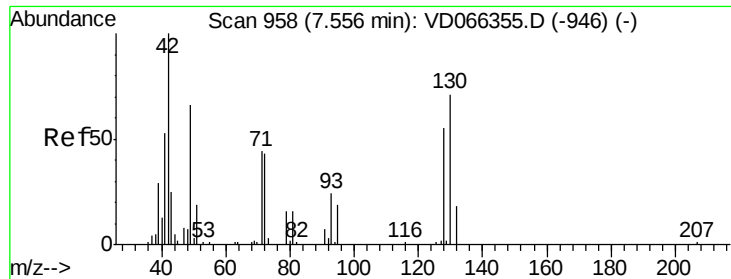


#28

Bromochloromethane
Concen: 17.199 ug/l
RT: 7.54 min Scan# 955
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22613		
129	0.4		0.0	3.0
130	105.2		82.6	124.0





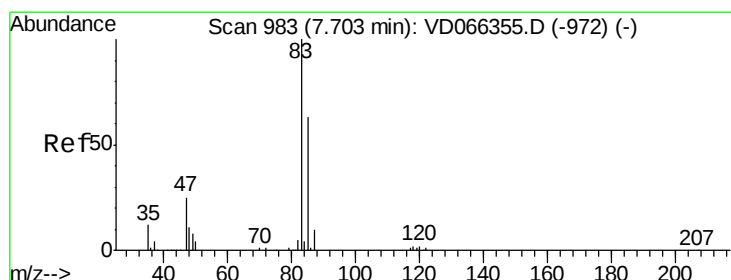
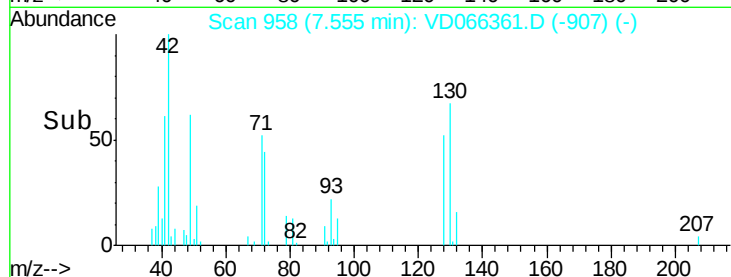
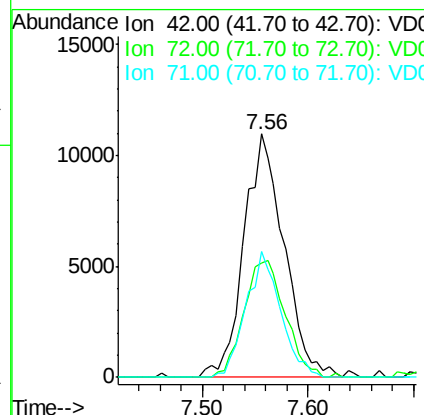
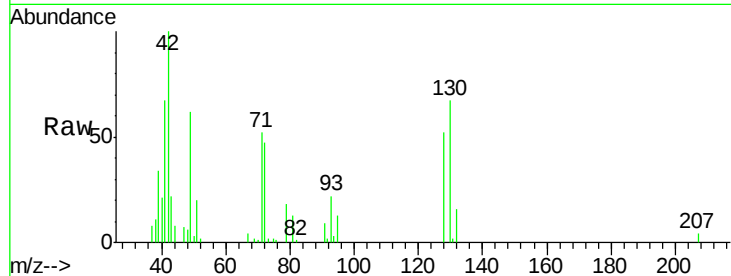
#29
Tetrahydrofuran
Concen: 98.694 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	41.0	61.4
71	44.8	37.2	55.8

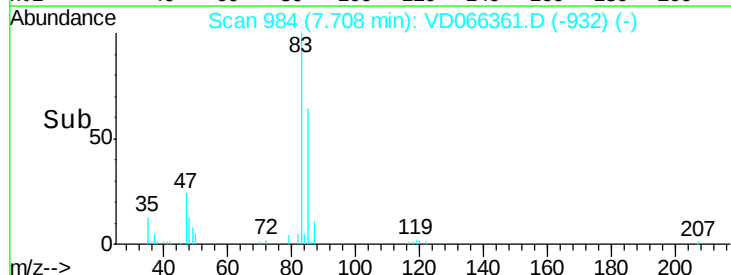
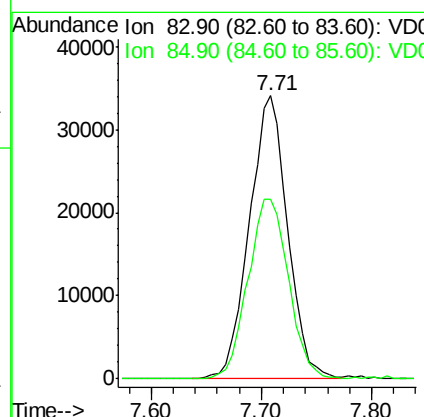
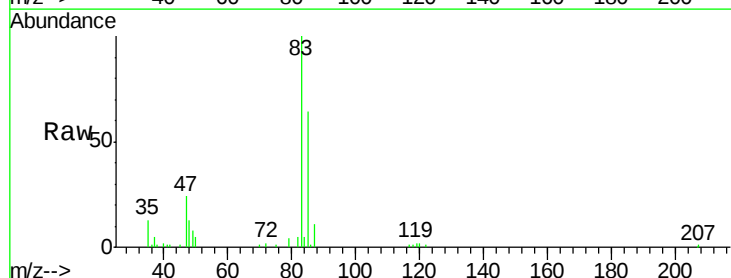
Manual Integrations
APPROVED

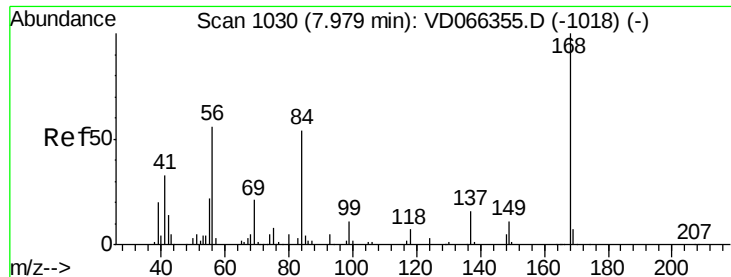
MMDadoda
8/24/2020 4:37:12 PM



#30
Chloroform
Concen: 18.773 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	50.3	75.5





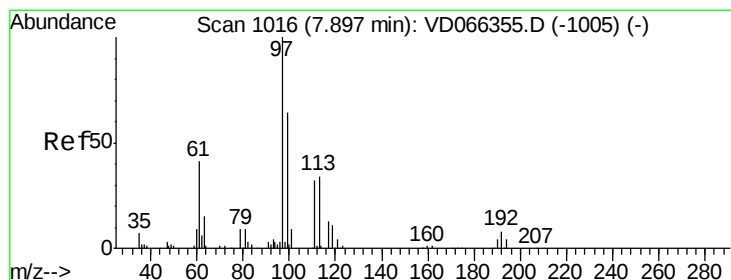
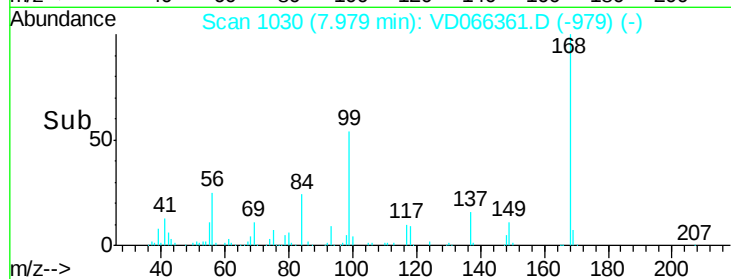
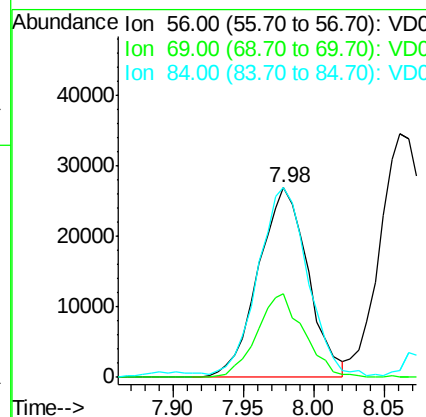
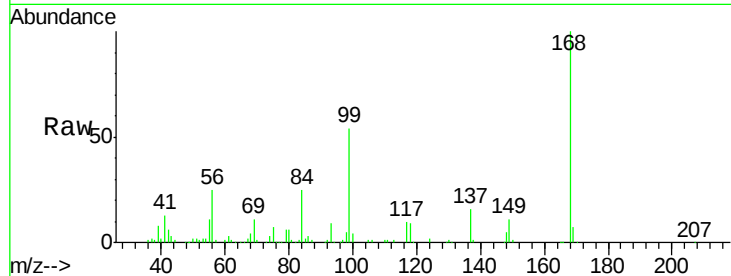
#31
Cyclohexane
Concen: 18.958 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	43.8	29.6	44.4
84	98.6	76.6	115.0

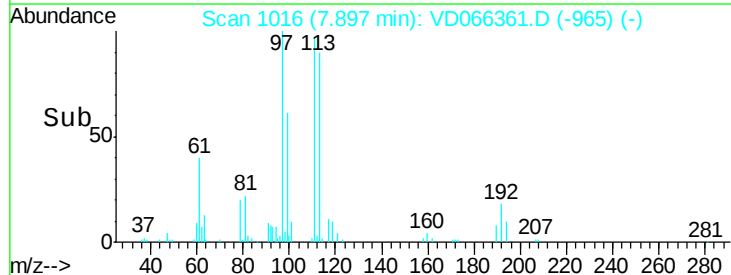
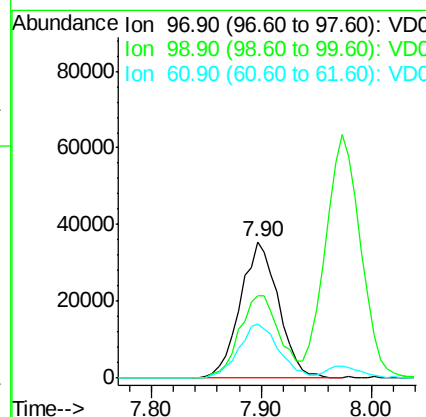
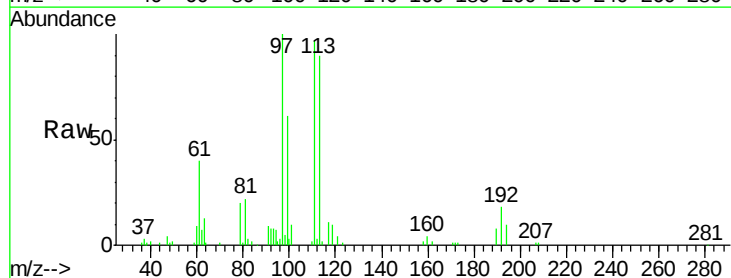
Manual Integrations
APPROVED

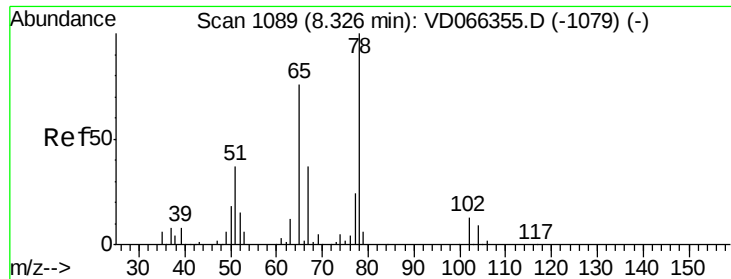
MMDadoda
8/24/2020 4:37:12 PM



#32
1,1,1-Trichloroethane
Concen: 19.204 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.7	51.5	77.3
61	41.3	33.3	49.9





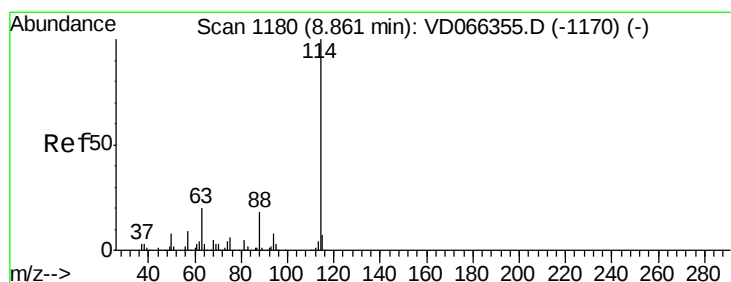
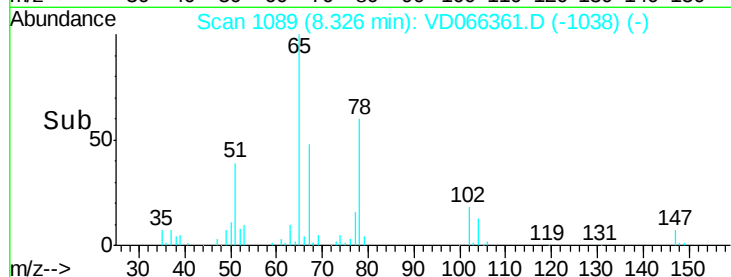
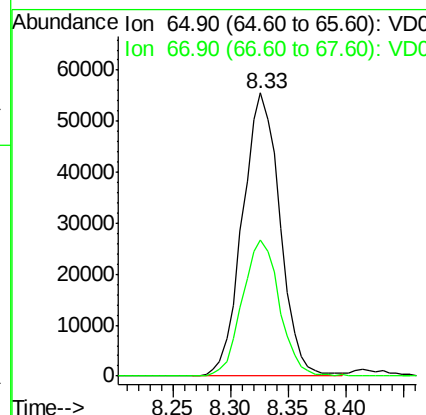
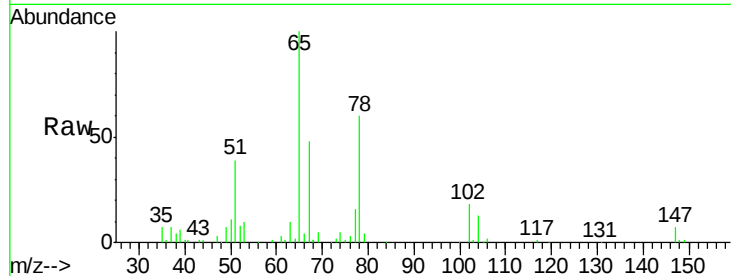
#33
 1,2-Dichloroethane-d4
 Concen: 49.886 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	125421		
67	47.7	0.0	101.6	

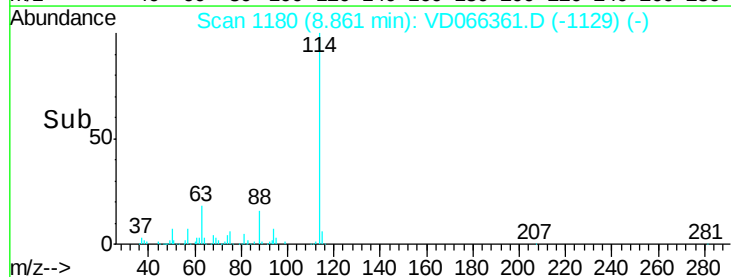
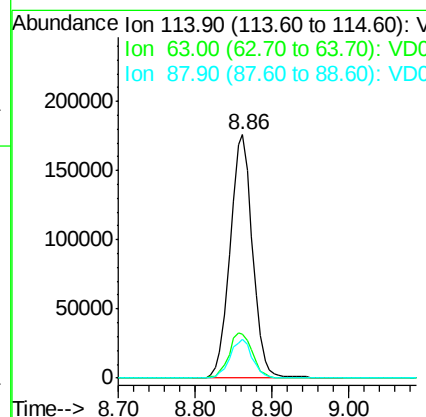
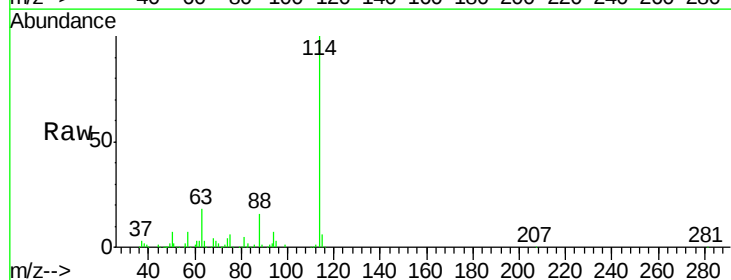
Manual Integrations
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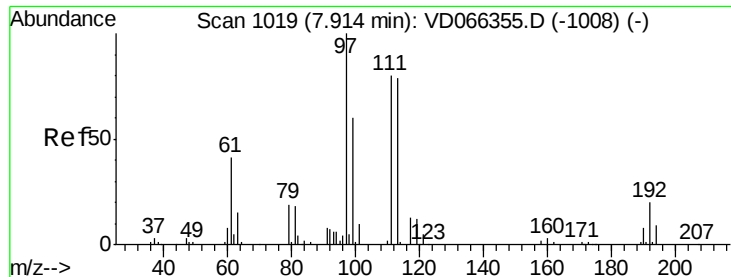
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	357621		
63	18.1	0.0	40.8	
88	15.8	0.0	35.4	





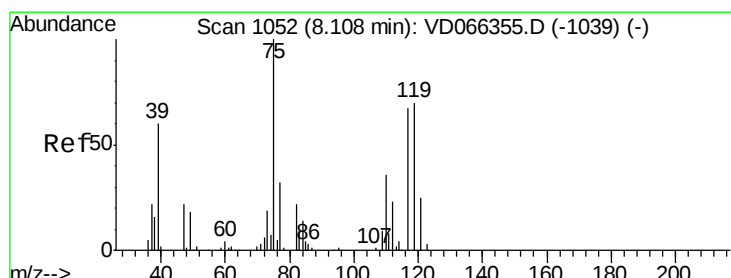
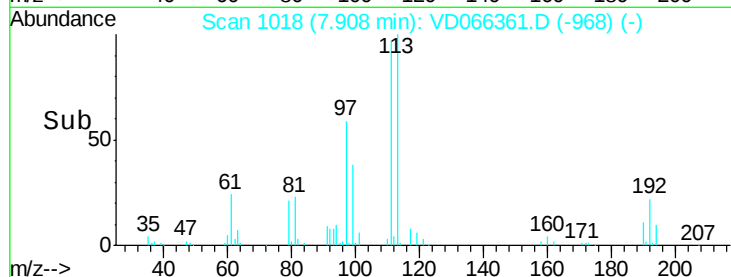
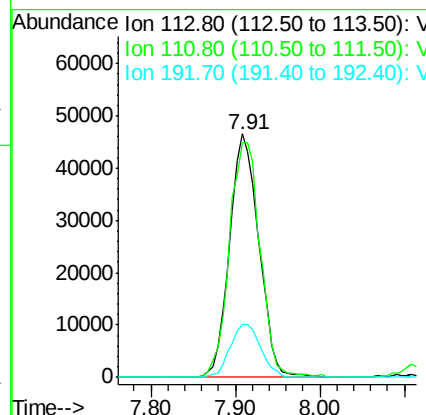
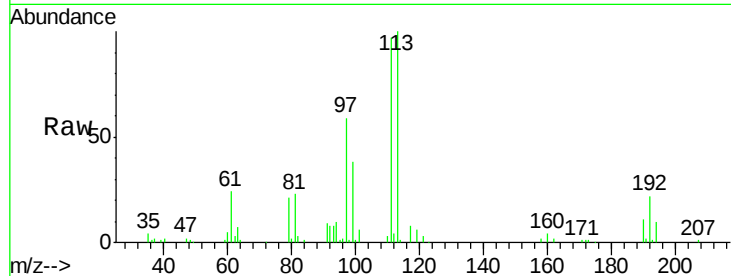
#35
Dibromofluoromethane
Concen: 49.797 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	111359		
111	101.3	80.3	120.5	
192	22.7	19.0	28.6	

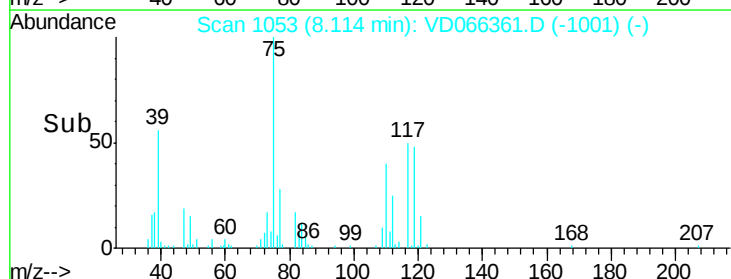
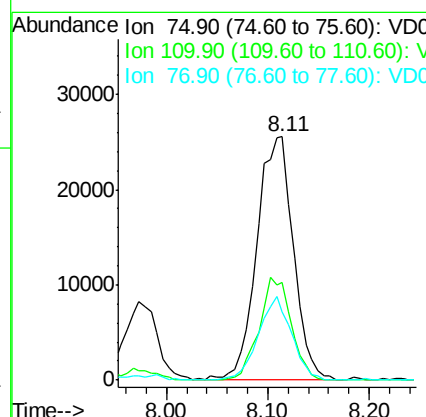
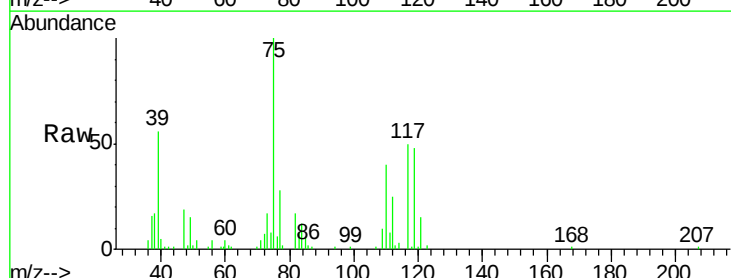
Manual Integrations
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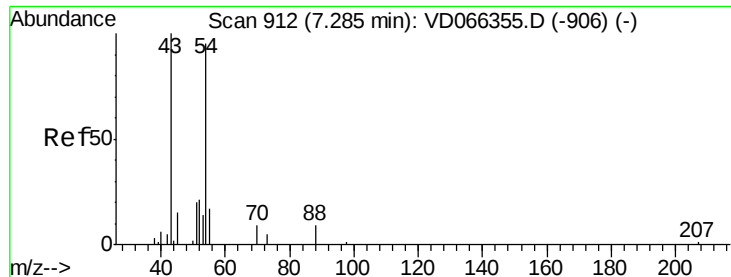
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#36
1,1-Dichloropropene
Concen: 19.643 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64096		
110	36.8	18.7	56.1	
77	31.3	25.2	37.8	





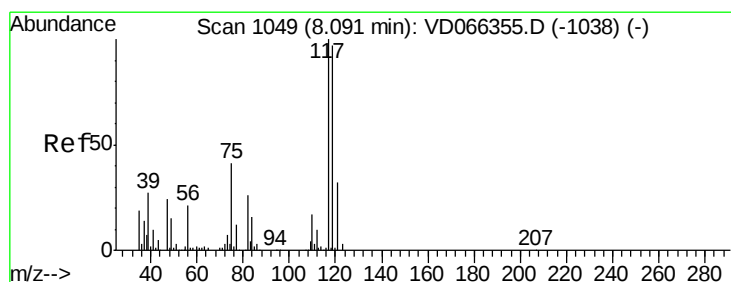
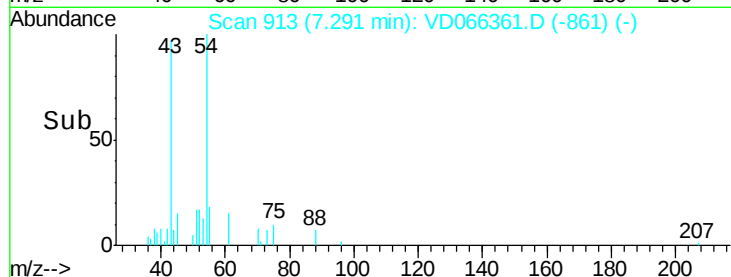
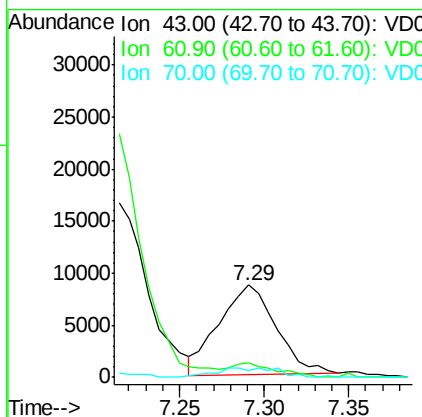
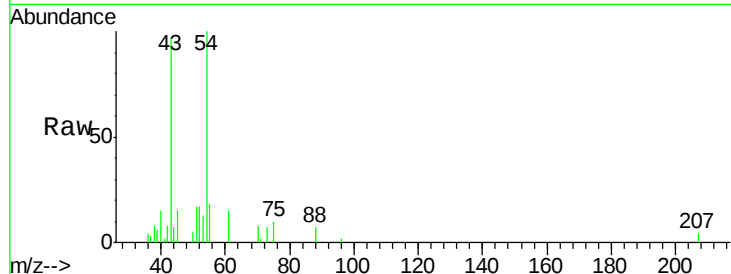
#37
Ethyl Acetate
Concen: 18.180 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	13.3	19.9#
70	11.7	3.5	5.3#

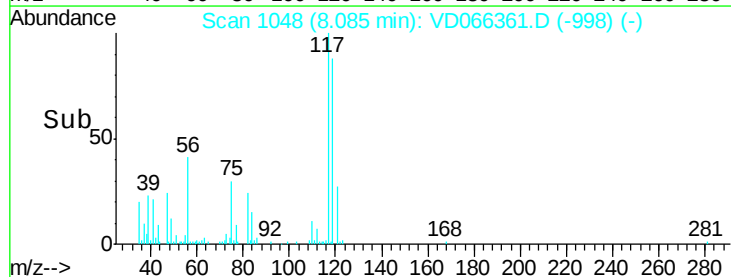
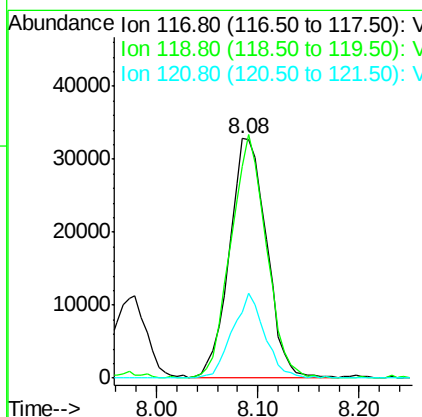
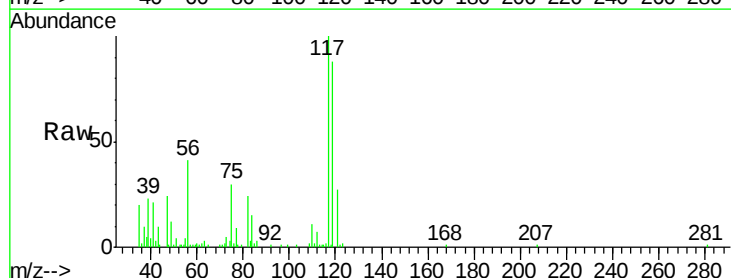
Manual Integrations
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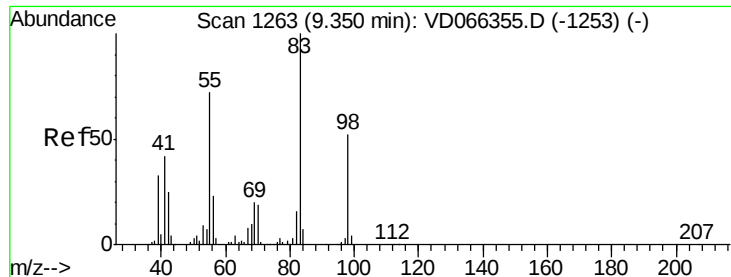
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#38
Carbon Tetrachloride
Concen: 19.676 ug/l
RT: 8.08 min Scan# 1048
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	88.4	77.2	115.8
121	27.2	25.8	38.8





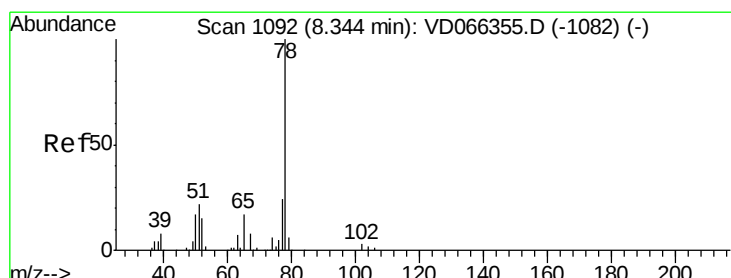
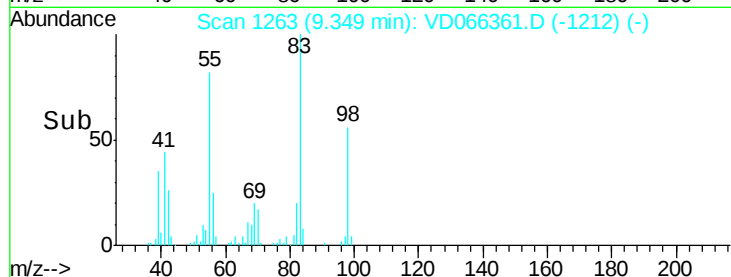
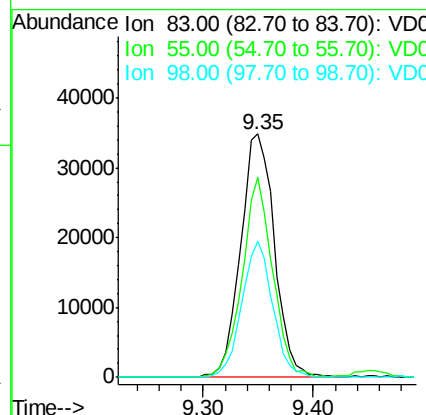
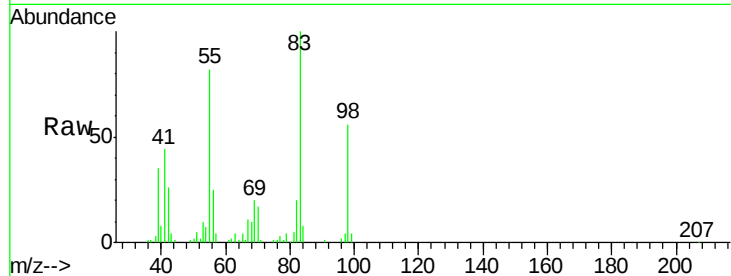
#39
Methvlcvclohexane
Concen: 19.553 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.3	58.0	87.0
98	56.0	41.9	62.9

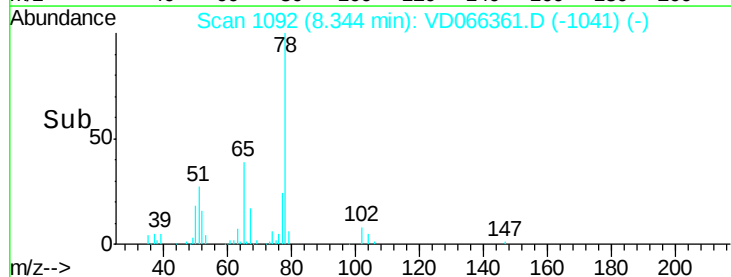
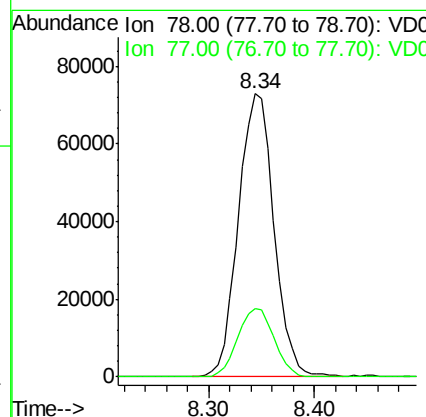
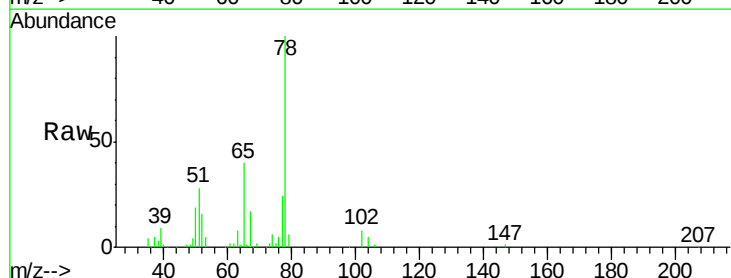
Manual Integrations
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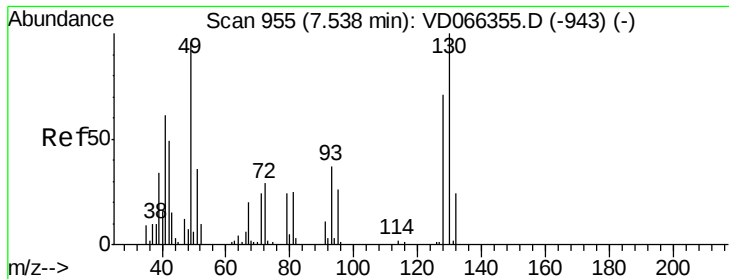
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#40
Benzene
Concen: 19.797 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.8	28.2





#41

Methacrylonitrile

Concen: 18.526 ug/l m

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 41 Resp: 12679

Ion Ratio Lower Upper

41 100

39 0.0 51.8 77.8#

67 0.0 0.0 0.0

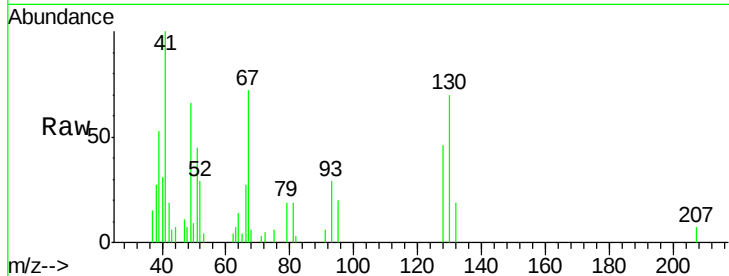
52 0.0 0.0 0.0

Manual Integrations

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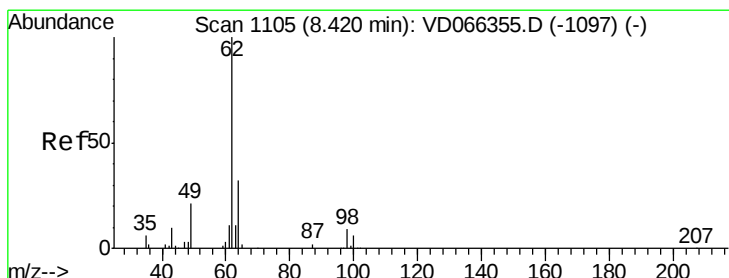
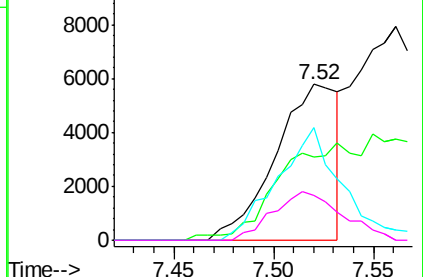
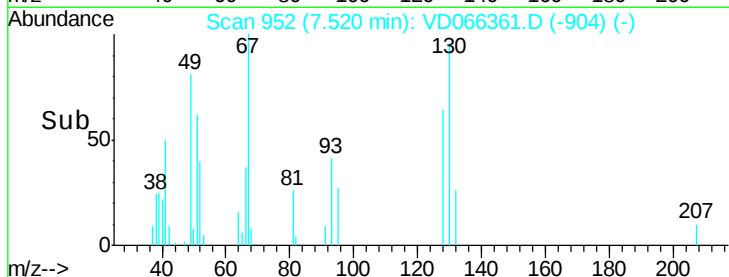
Abundance Ion 41.00 (40.70 to 41.70): VDC

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

Time-->



#42

1,2-Dichloroethane

Concen: 19.654 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.00 min

Lab File: VD066361.D

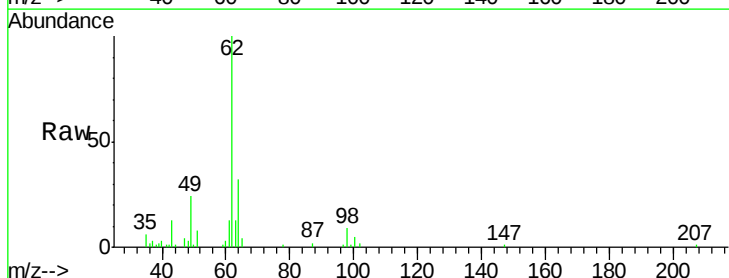
Acq: 21 Aug 2020 15:59

Tgt Ion: 62 Resp: 59420

Ion Ratio Lower Upper

62 100

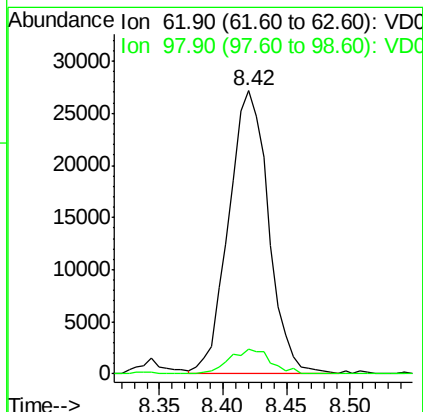
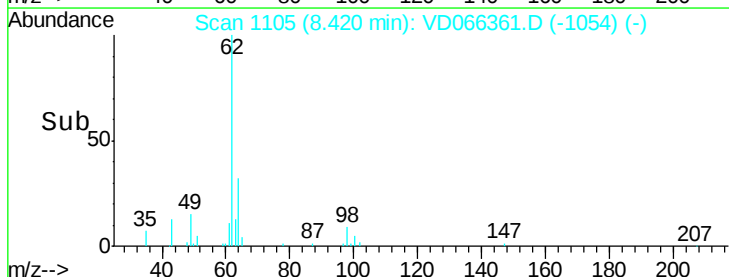
98 9.0 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Time-->





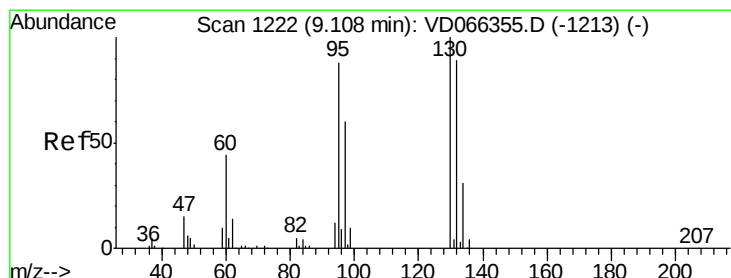
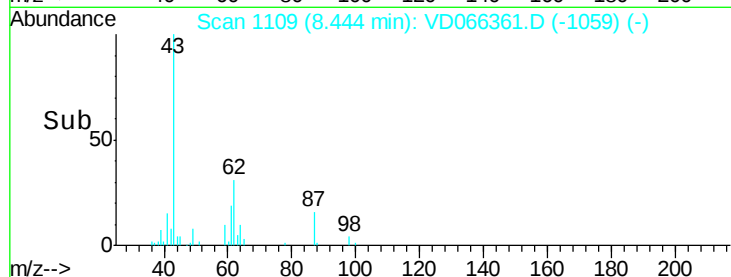
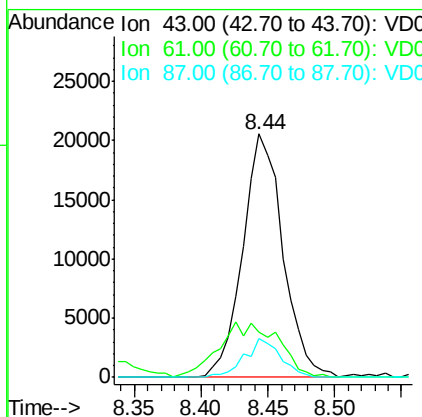
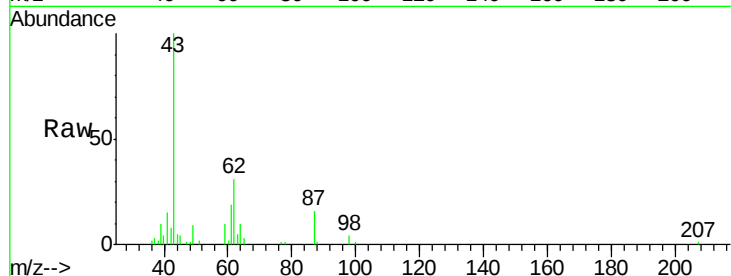
#43
Isopropyl Acetate
Concen: 19.246 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion:	43	Resp:	42871
Ion	Ratio	Lower	Upper
43	100		
61	33.6	26.5	39.7
87	14.1	11.9	17.9

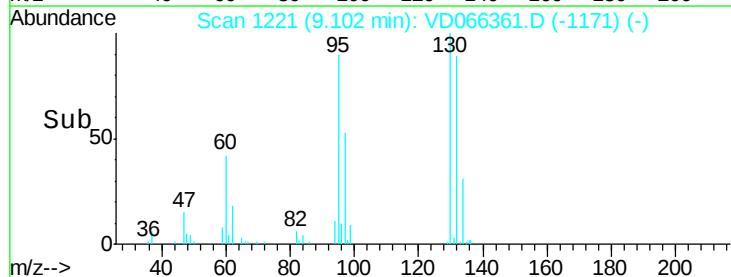
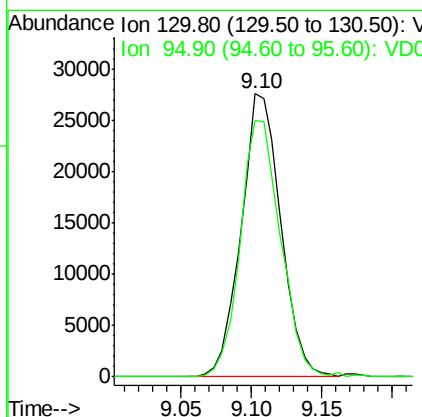
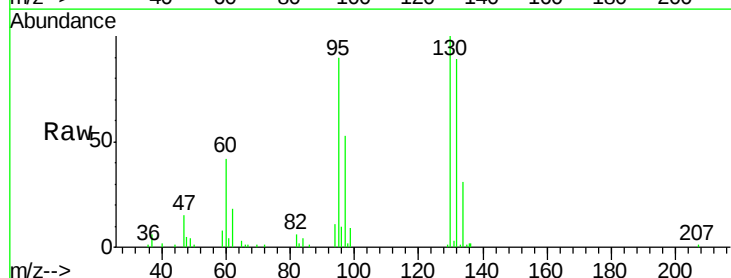
Manual Integrations
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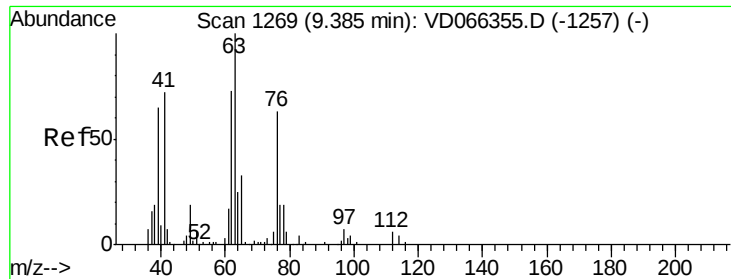
MMDadoda
8/24/2020 4:37:12 PM



#44
Trichloroethene
Concen: 19.493 ug/l
RT: 9.10 min Scan# 1221
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion:	130	Resp:	54373
Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	175.6





#45

1,2-Dichloropropane

Concen: 19.622 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 63 Resp: 38186

Ion Ratio Lower Upper

63 100

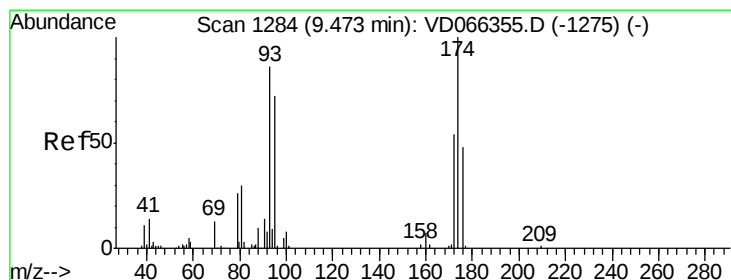
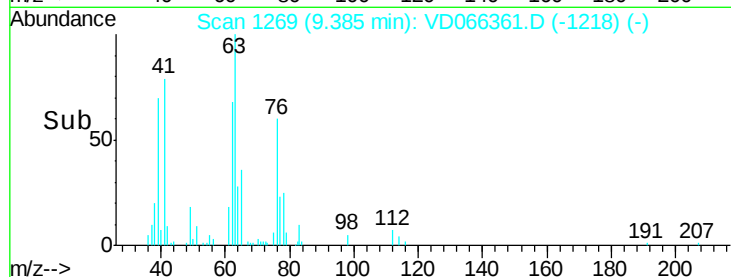
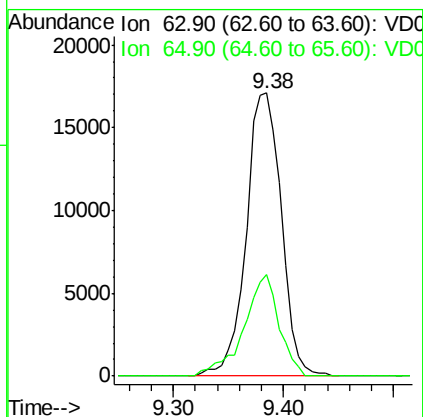
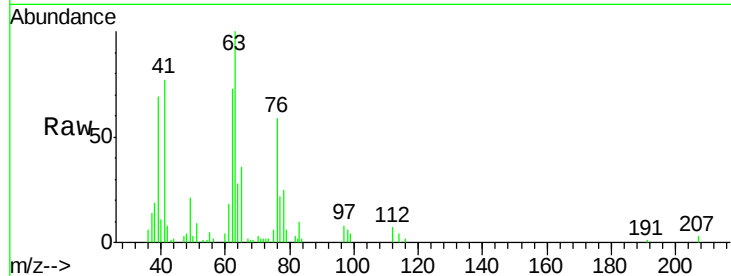
65 35.7 26.4 39.6

Manual Integrations

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#46

Dibromomethane

Concen: 19.573 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

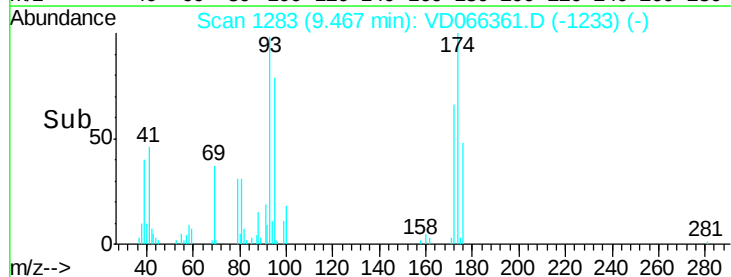
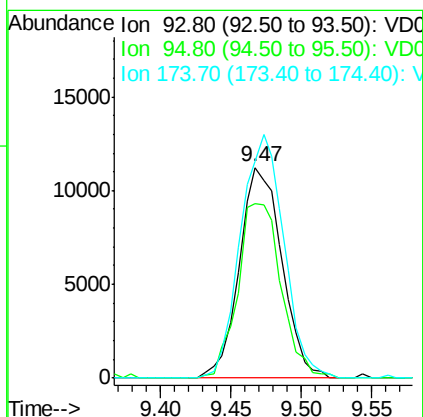
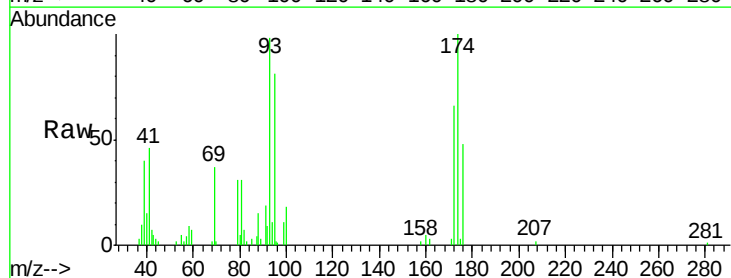
Tgt Ion: 93 Resp: 23716

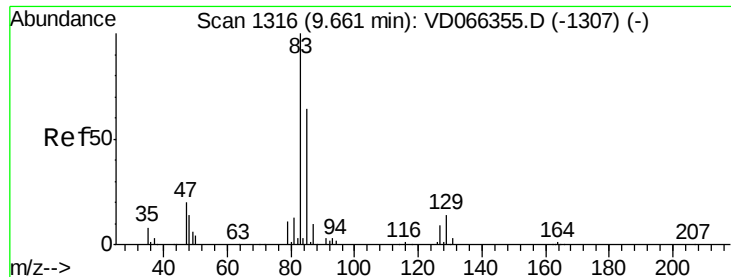
Ion Ratio Lower Upper

93 100

95 84.7 66.0 99.0

174 118.0 94.6 141.8





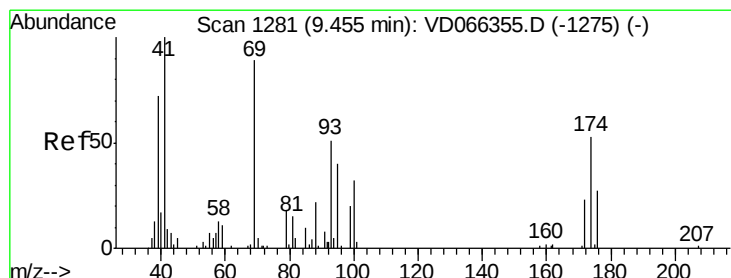
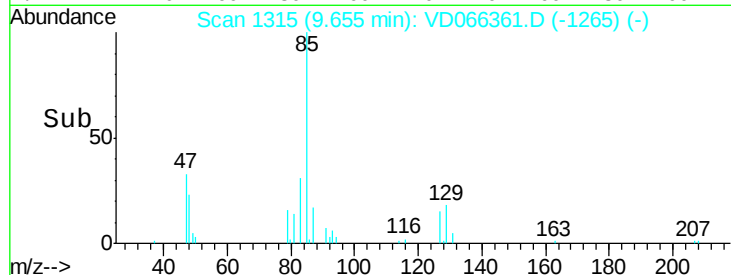
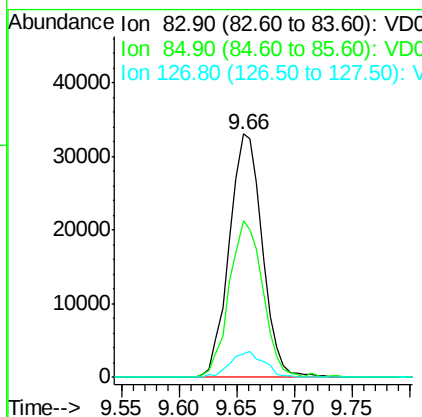
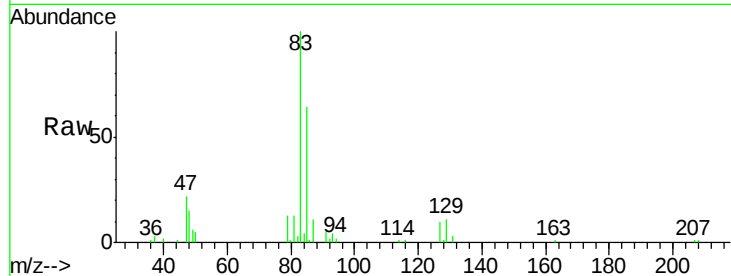
#47
Bromodichloromethane
Concen: 19.594 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	65289		
85	64.3		51.4	77.0
127	9.9		7.4	11.0

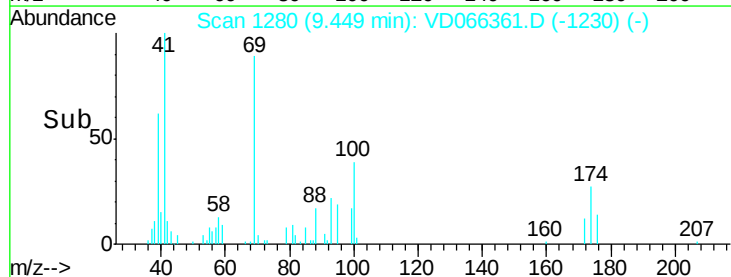
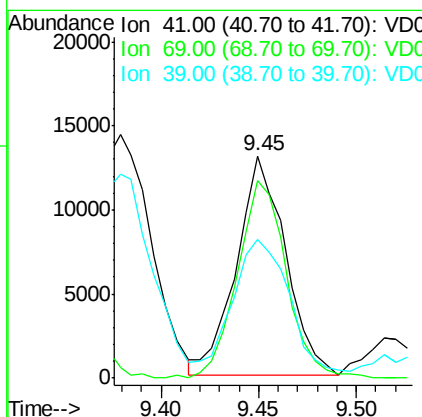
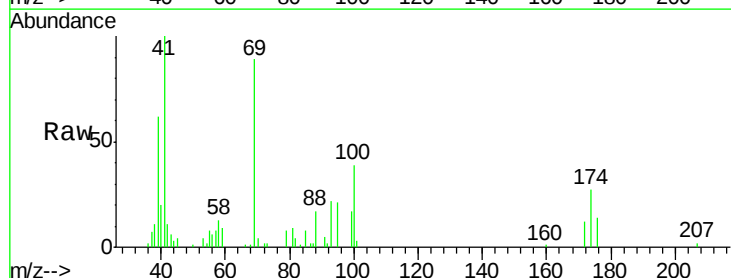
Manual Integrations
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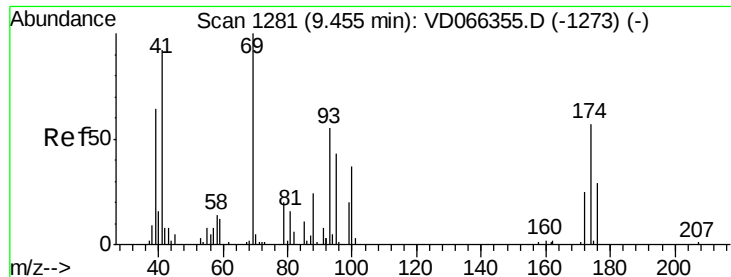
MMDadoda
8/24/2020 4:37:12 PM



#48
Methyl methacrylate
Concen: 19.609 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	22525		
69	90.7		75.5	113.3
39	76.5		57.0	85.4





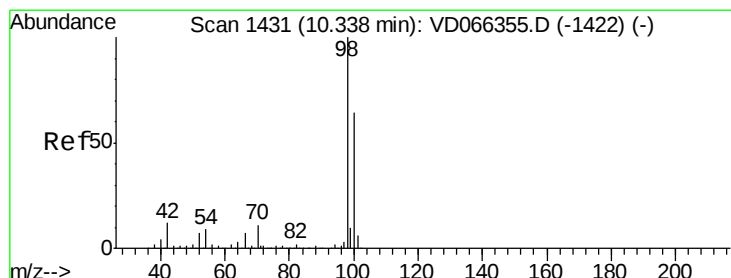
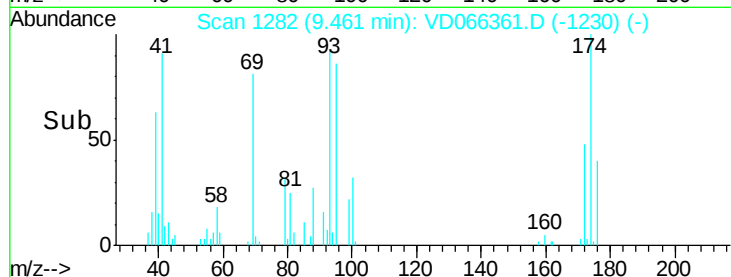
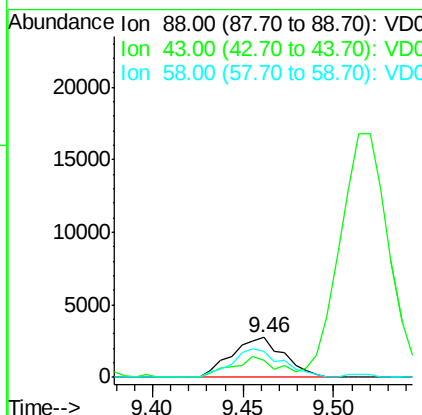
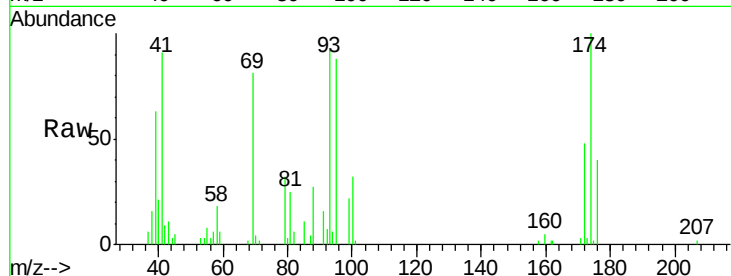
#49
1,4-Dioxane
Concen: 394.192 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.2	29.4	44.0#
58	67.9	45.4	68.2

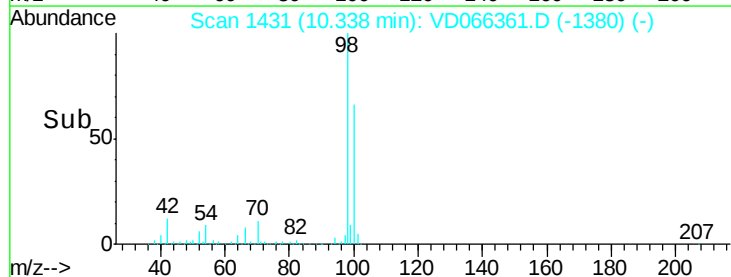
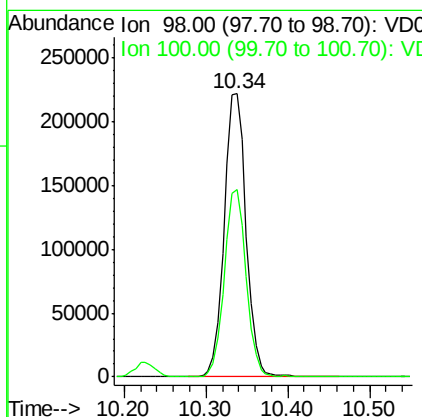
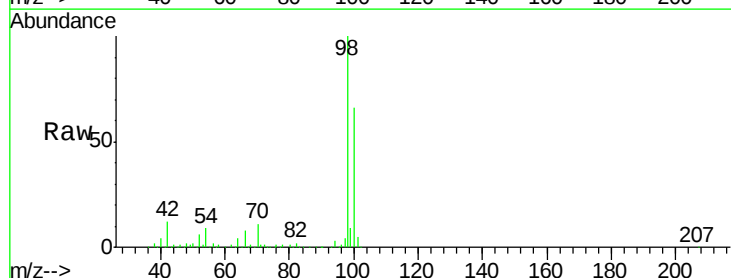
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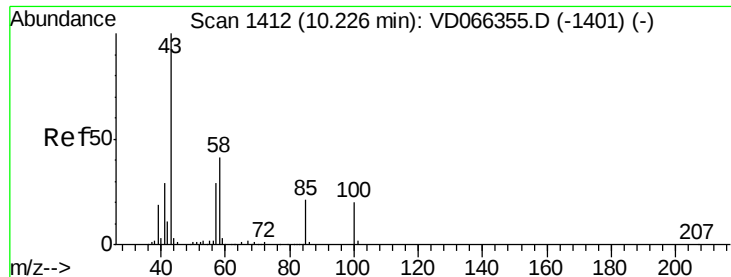
MMDadoda
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#50
Toluene-d8
Concen: 50.559 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.0	79.4





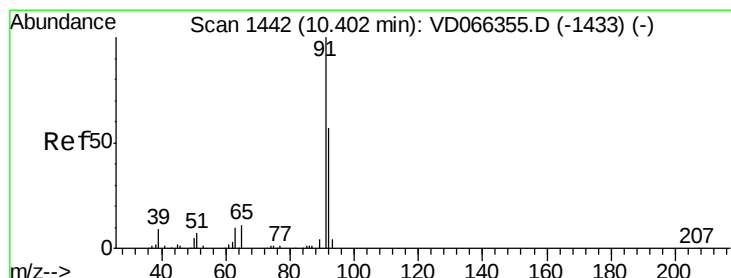
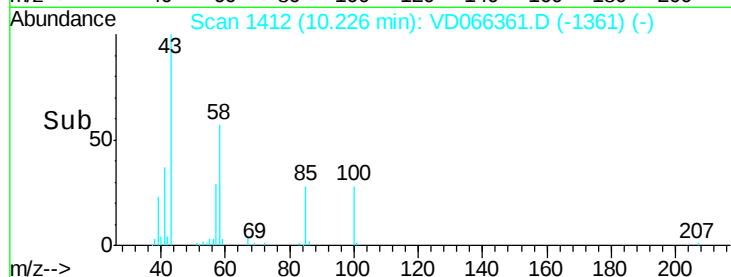
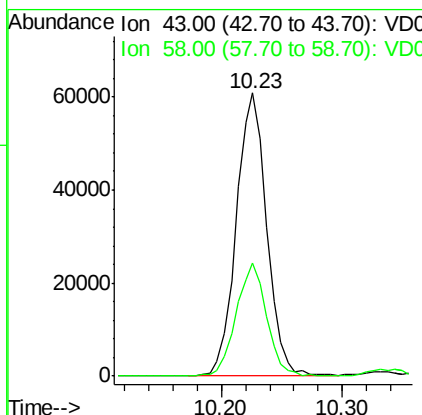
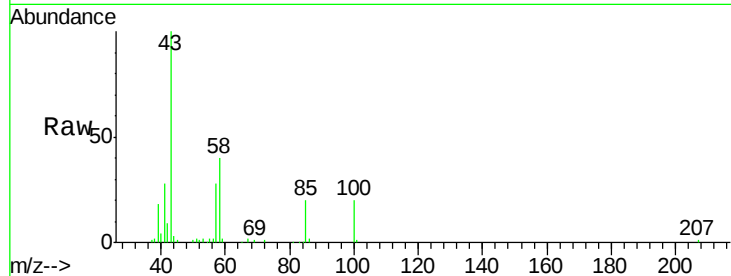
#51
4-Methyl-2-Pentanone
Concen: 99.234 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	43	Resp	106935
Ion Ratio	43	100	
Lower	58	39.7	31.4
Upper			47.2

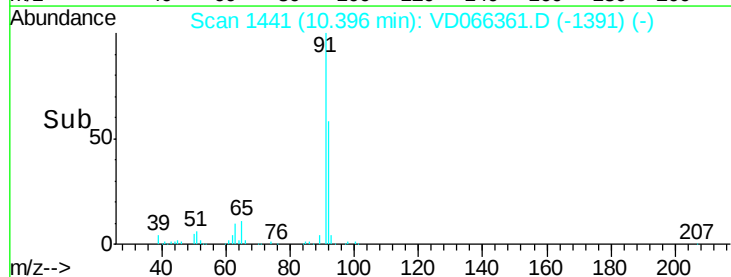
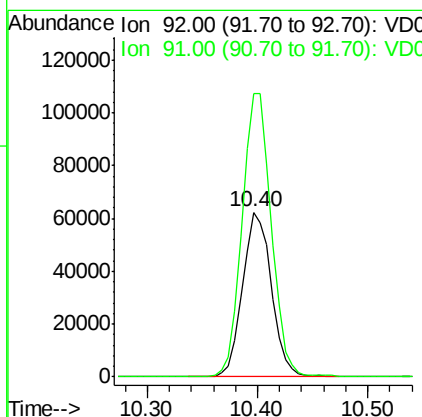
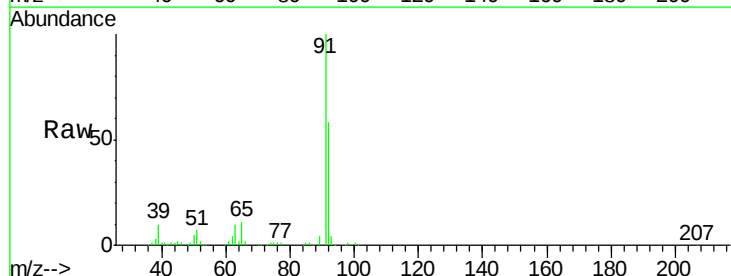
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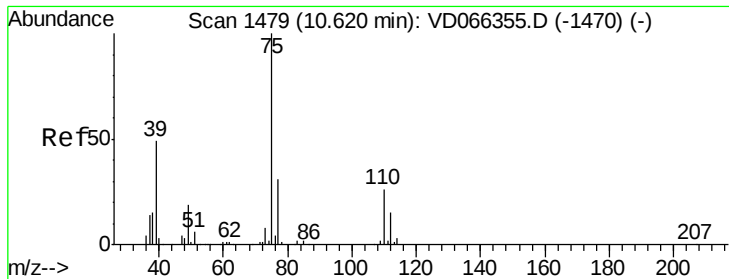
MMDadoda
8/24/2020 4:37:12 PM



#52
Toluene
Concen: 19.731 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	92	Resp	114748
Ion Ratio	92	100	
Lower	91	174.5	135.8
Upper			203.6





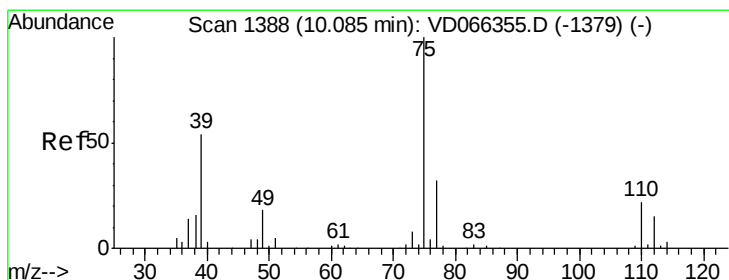
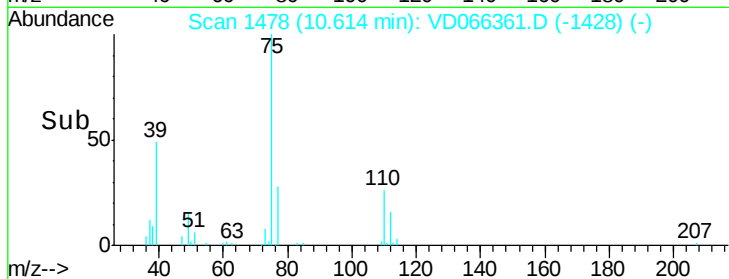
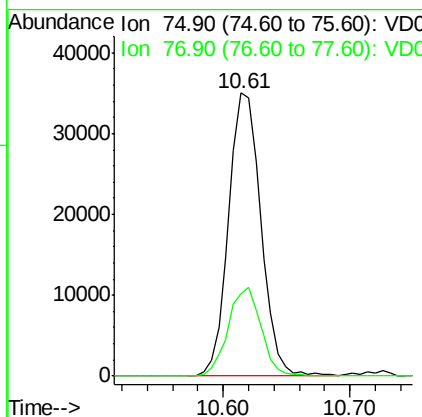
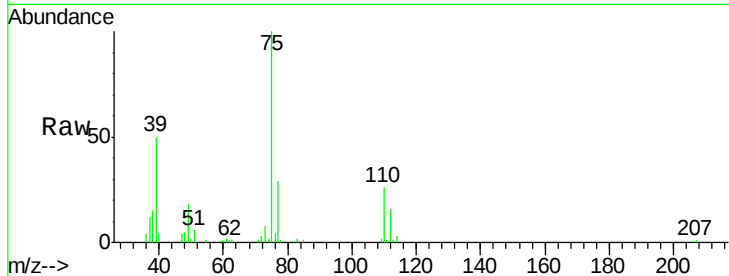
#53
 t-1,3-Dichloropropene
 Concen: 19.555 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion: 75 Resp: 61830
 Ion Ratio Lower Upper
 75 100
 77 29.3 24.5 36.7

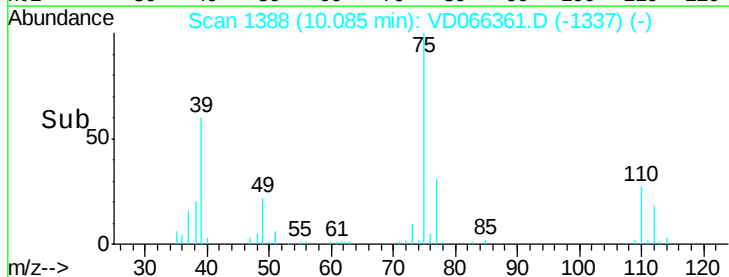
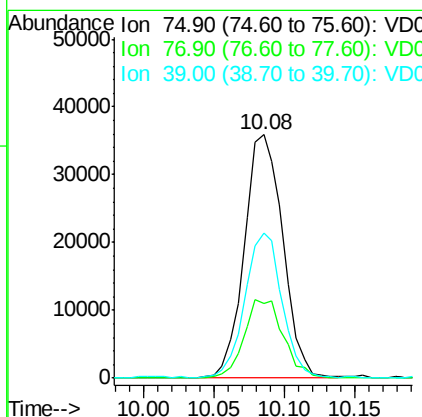
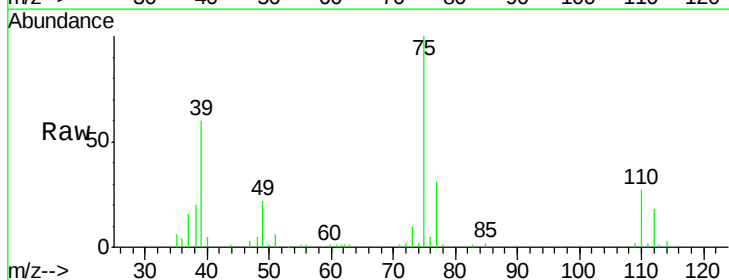
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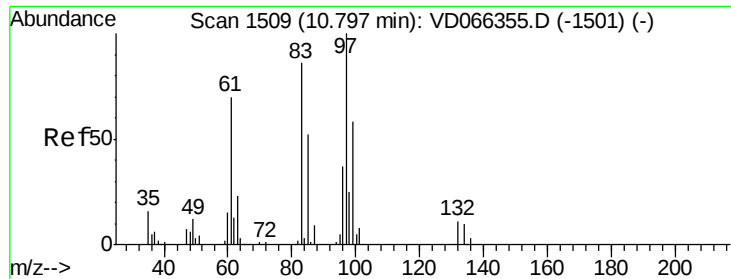
MMDadoda
 8/24/2020 4:37:12 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.417 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Tgt Ion: 75 Resp: 68909
 Ion Ratio Lower Upper
 75 100
 77 30.7 25.6 38.4
 39 59.6 43.4 65.0





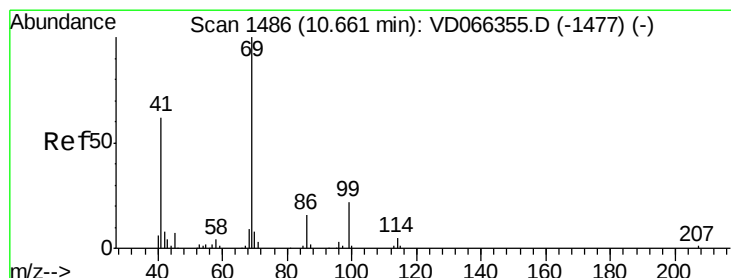
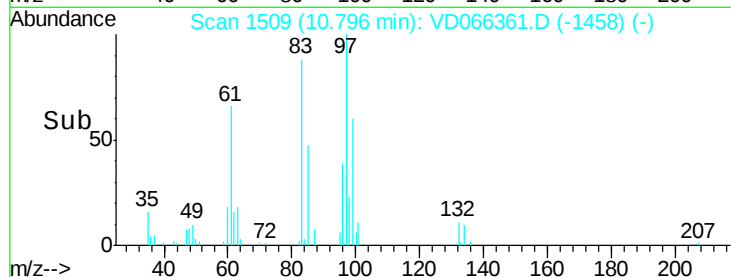
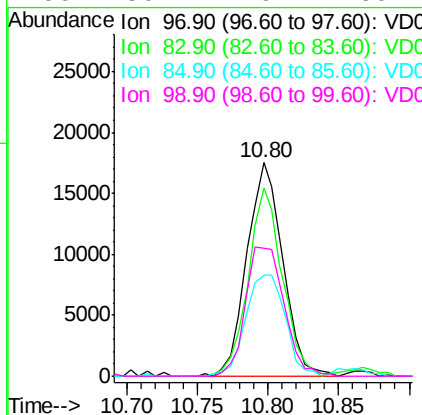
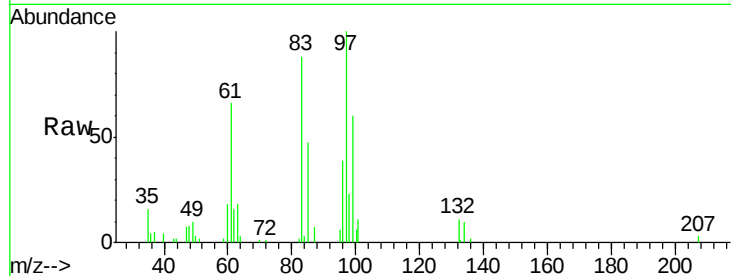
#55
 1,1,2-Trichloroethane
 Concen: 19.052 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion:	97	Resp:	31251
Ion	Ratio	Lower	Upper
97	100		
83	88.0	68.4	102.6
85	47.2	41.3	61.9
99	59.7	46.1	69.1

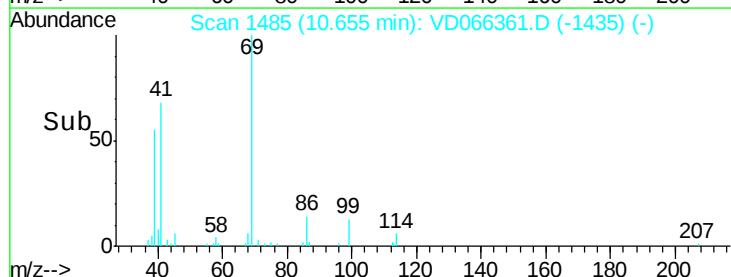
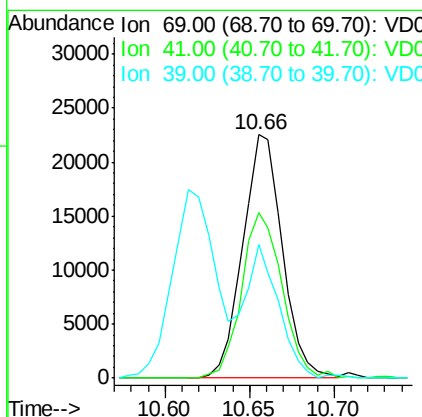
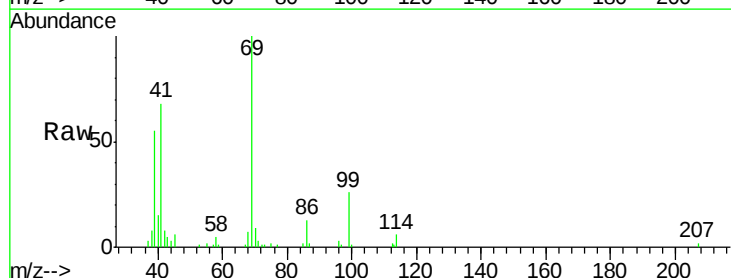
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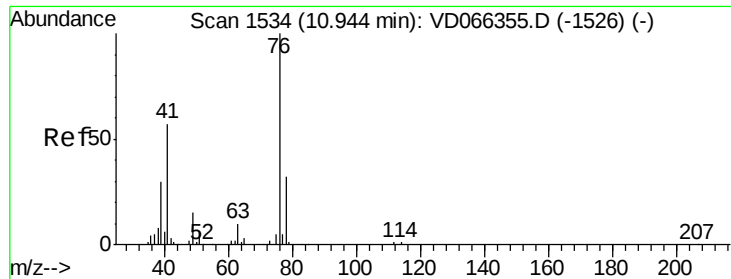
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#56
 Ethyl methacrylate
 Concen: 19.422 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Tgt Ion:	69	Resp:	36880
Ion	Ratio	Lower	Upper
69	100		
41	69.4	50.8	76.2
39	48.0	32.9	49.3





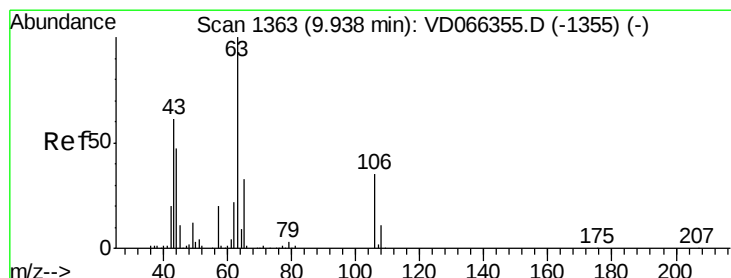
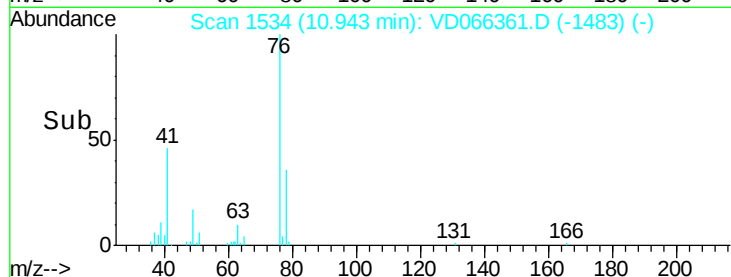
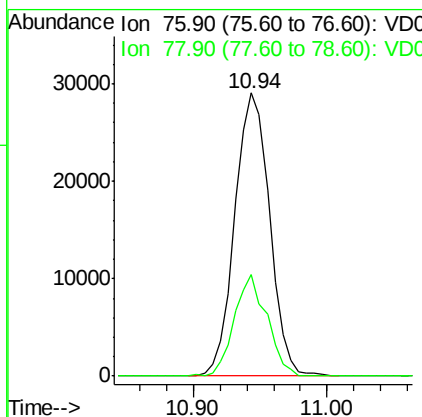
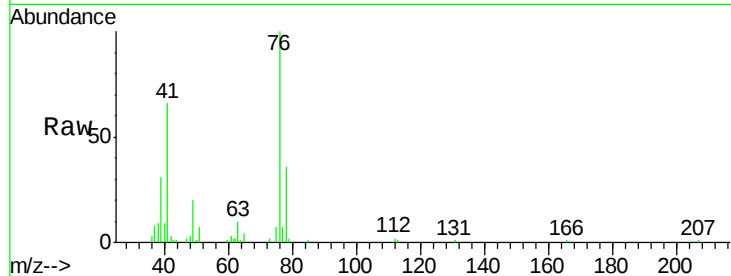
#57
 1,3-Dichloropropane
 Concen: 19.380 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion: 76 Resp: 52582
 Ion Ratio Lower Upper
 76 100
 78 33.8 25.6 38.4

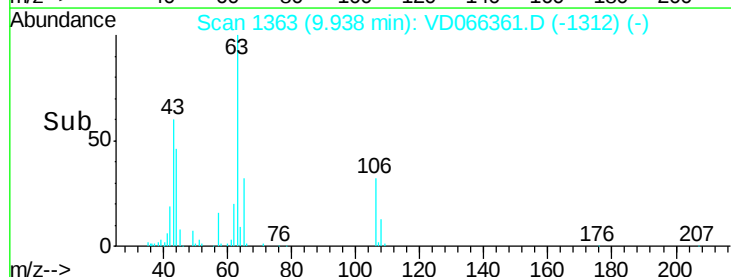
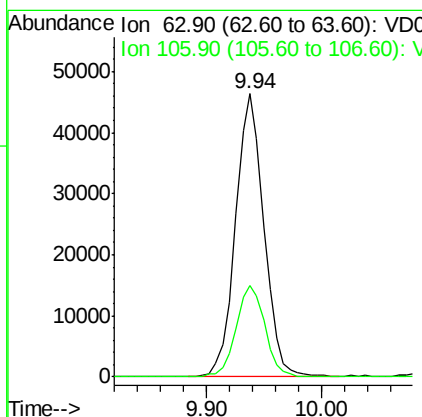
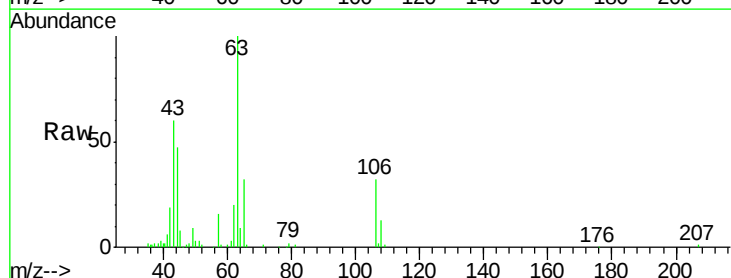
Manual Integrations
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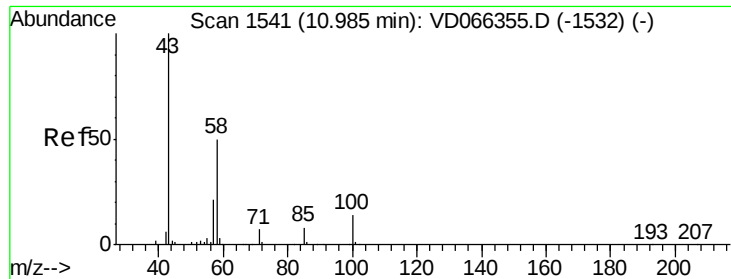
MMDadoda
 8/24/2020 4:37:12 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.036 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Tgt Ion: 63 Resp: 78893
 Ion Ratio Lower Upper
 63 100
 106 32.6 27.1 40.7





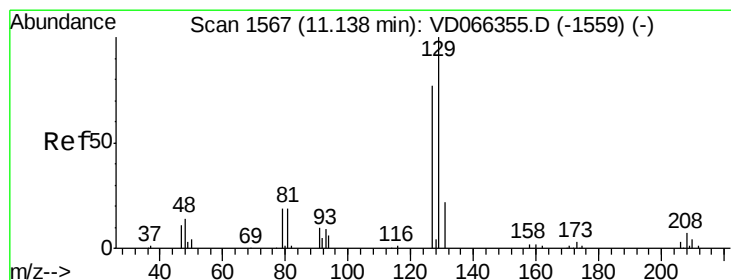
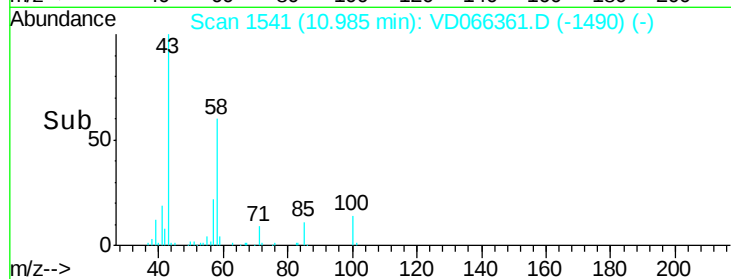
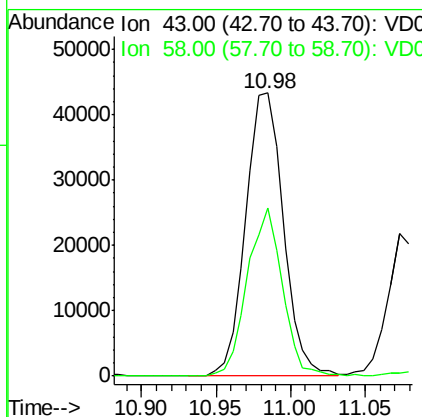
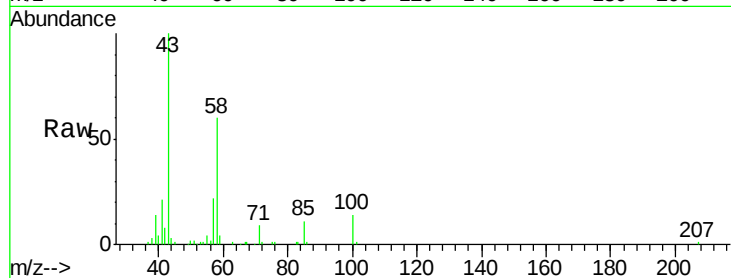
#59
2-Hexanone
Concen: 99.845 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tot Ion: 43 Resp: 75893
Ion Ratio Lower Upper
43 100
58 54.9 26.3 78.8

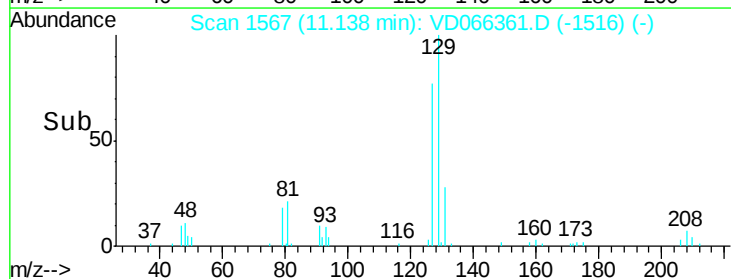
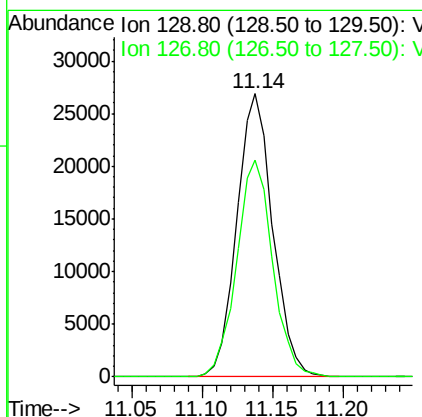
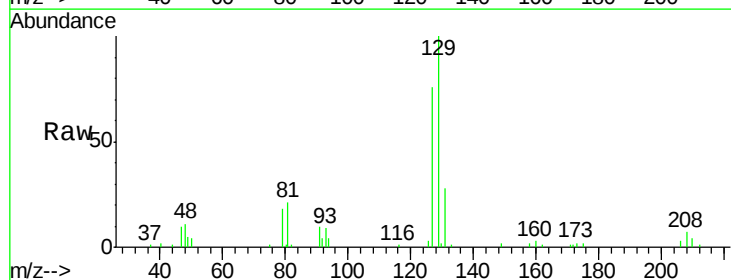
Manual Integrations
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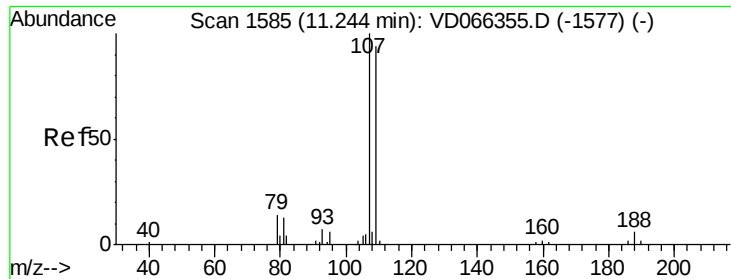
MMDadoda
8/24/2020 4:37:12 PM



#60
Dibromochloromethane
Concen: 19.290 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion: 129 Resp: 47694
Ion Ratio Lower Upper
129 100
127 76.8 39.0 117.0





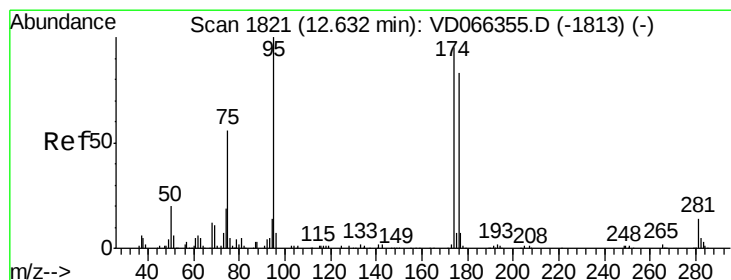
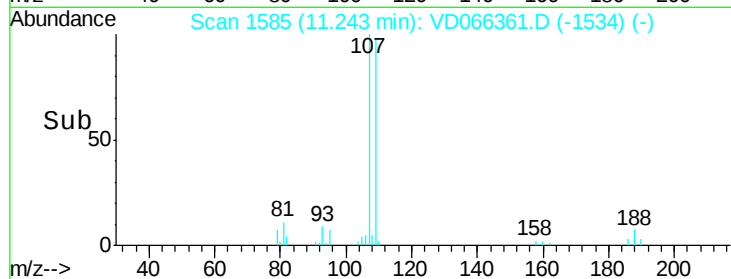
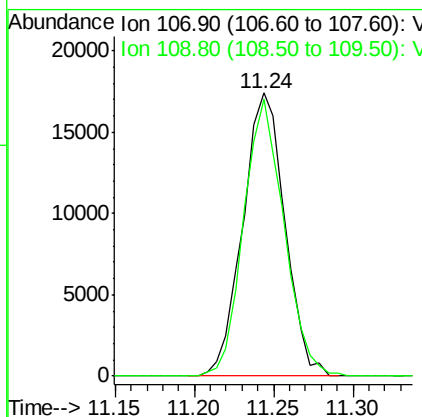
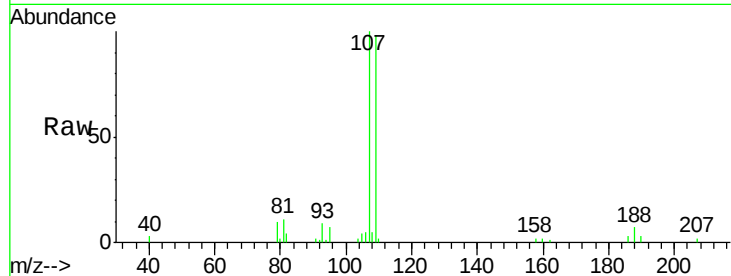
#61
 1,2-Dibromoethane
 Concen: 19.906 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	77.8	116.8

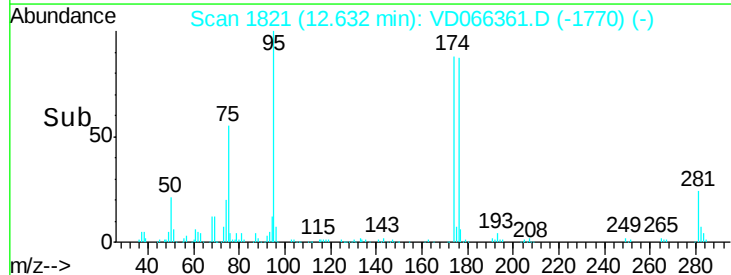
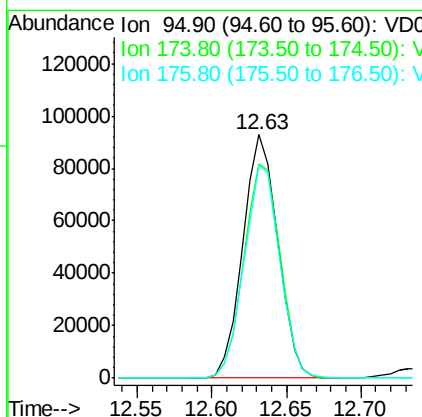
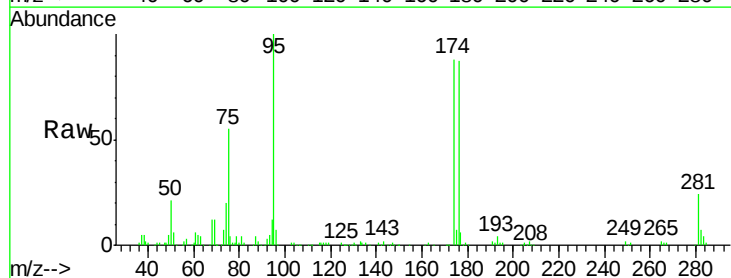
Manual Integrations
 APPROVED

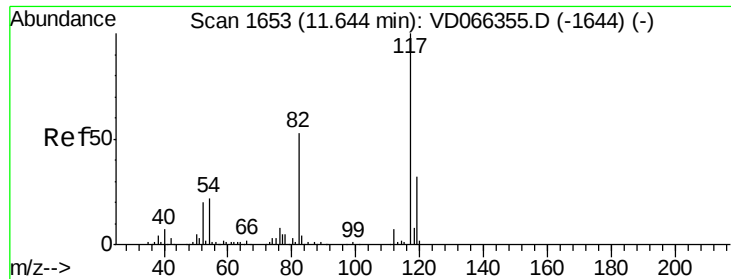
MMDadoda
 8/24/2020 4:37:12 PM



#62
 4-Bromofluorobenzene
 Concen: 51.928 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	183.4
176	88.8	0.0	173.8





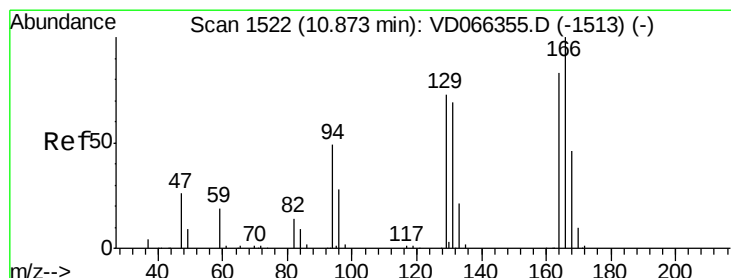
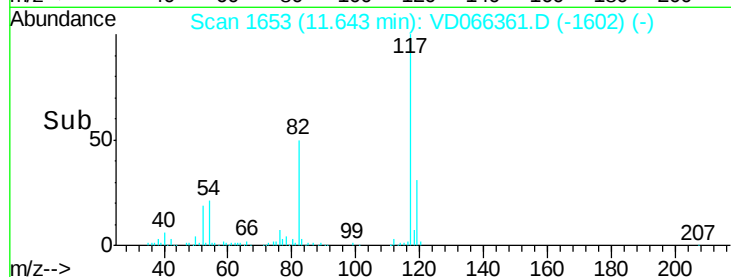
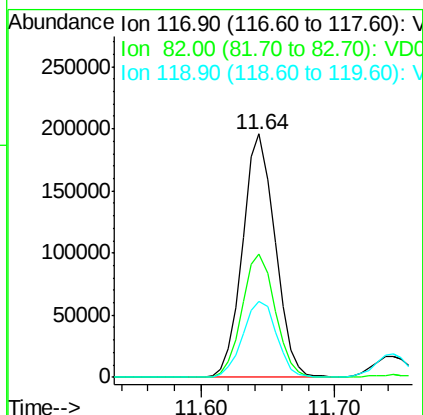
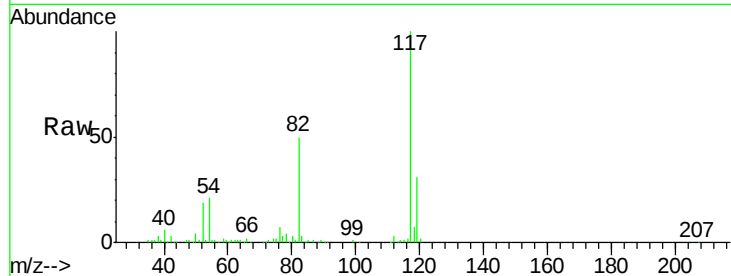
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	329008		
82	50.5		42.8	64.2
119	31.4		25.8	38.8

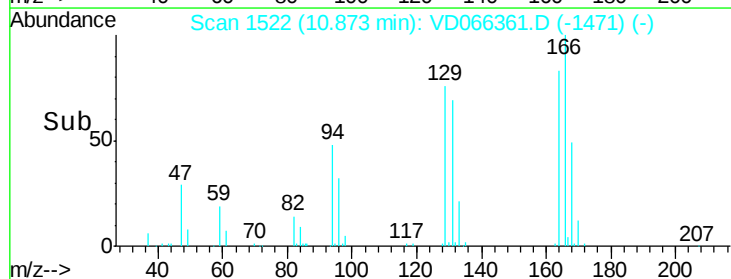
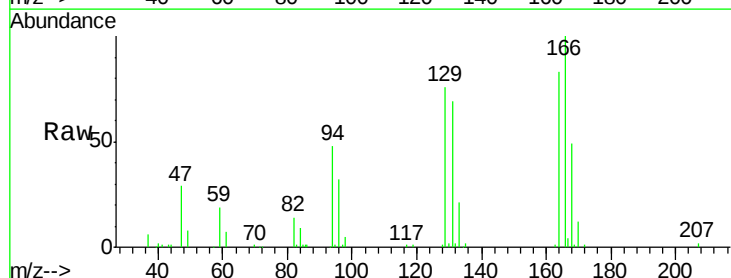
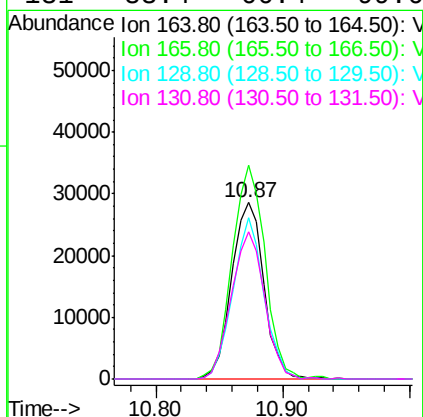
Manual Integrations
APPROVED

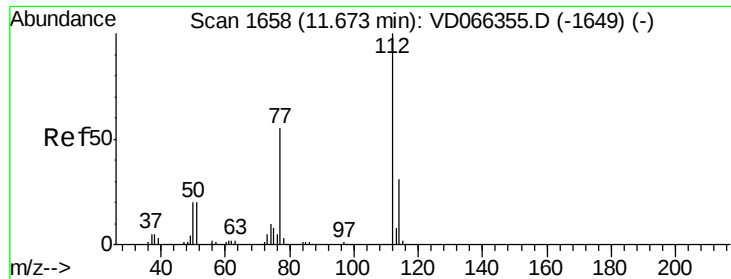
MMDadoda
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#64
Tetrachloroethene
Concen: 20.100 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	50165		
166	120.9		96.2	144.4
129	91.4		70.3	105.5
131	83.4		66.4	99.6





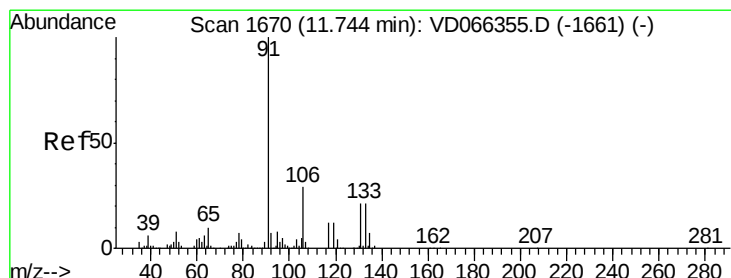
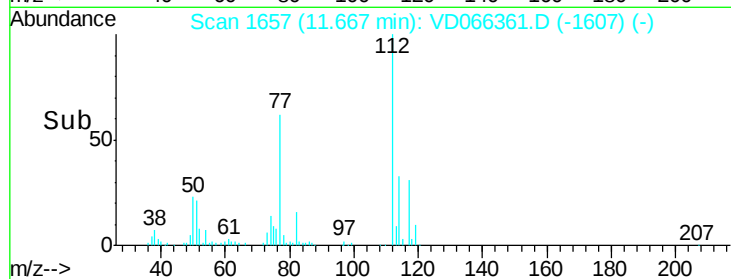
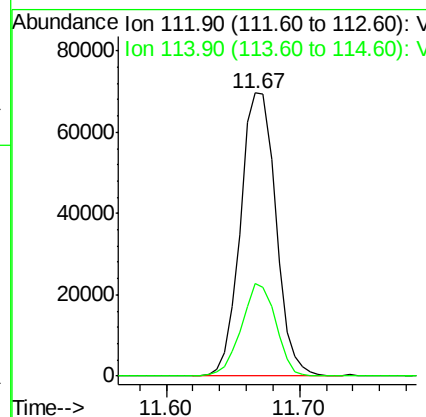
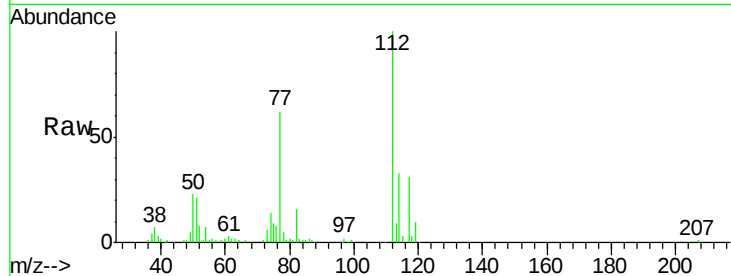
#65
Chlorobenzene
Concen: 19.522 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	127785		
114	32.6	25.1	37.7	

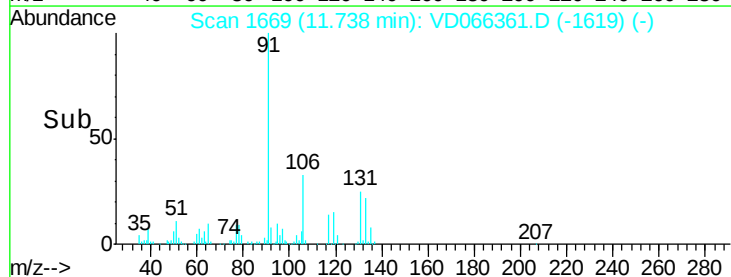
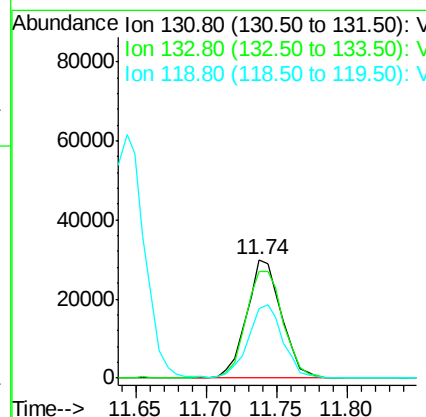
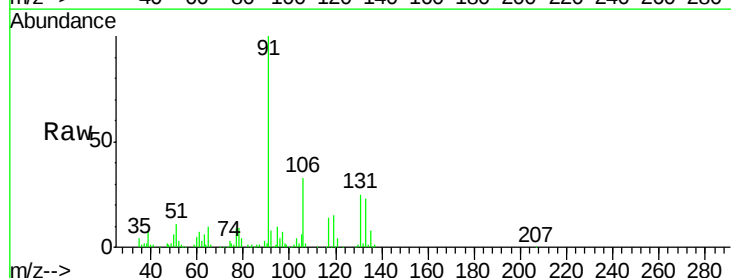
Manual Integrations
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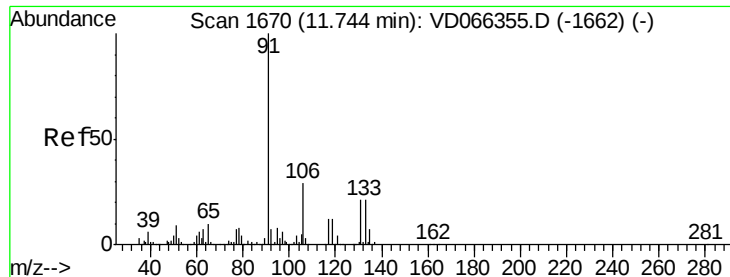
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.367 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	51807		
133	96.6	48.6	145.9	
119	61.7	29.0	87.1	





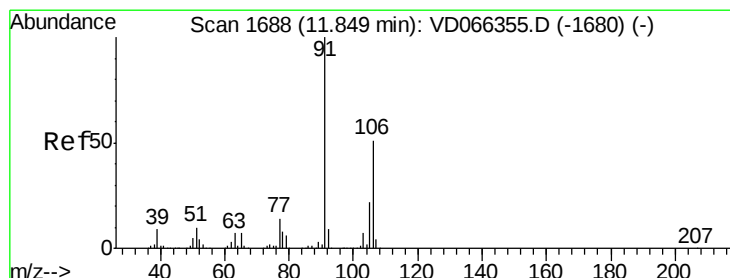
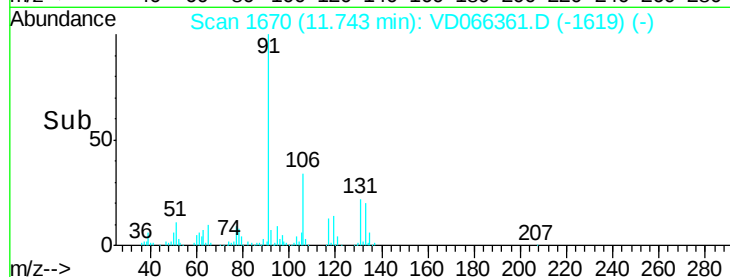
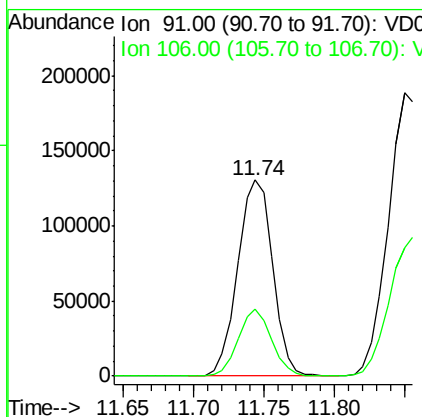
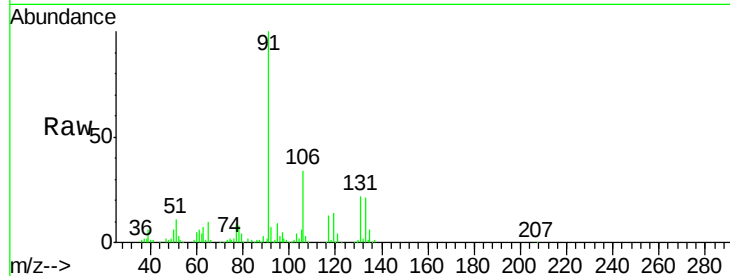
#67
Ethyl Benzene
Concen: 19.673 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion: 91 Resp: 226671
Ion Ratio Lower Upper
91 100
106 34.3 23.4 35.2

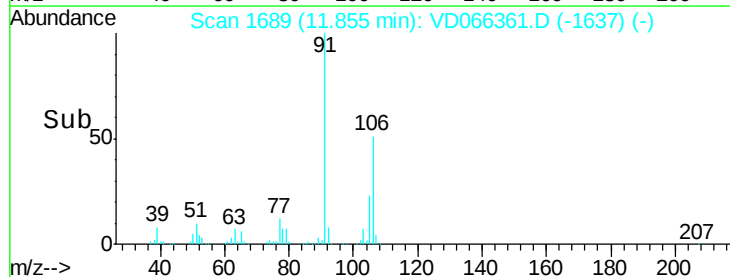
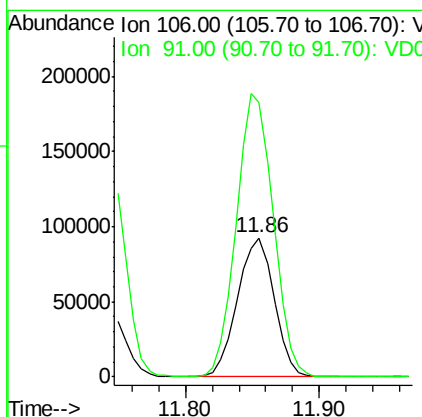
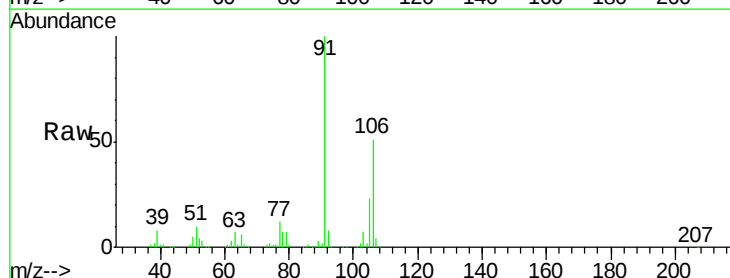
Manual Integrations
APPROVED

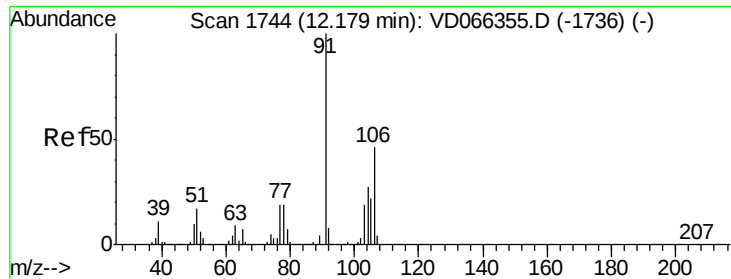
MMDadoda
8/24/2020 4:37:12 PM



#68
m/p-Xylenes
Concen: 40.152 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.01 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion: 106 Resp: 176334
Ion Ratio Lower Upper
106 100
91 205.0 160.7 241.1





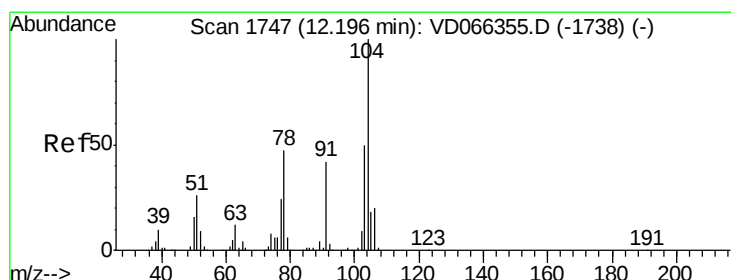
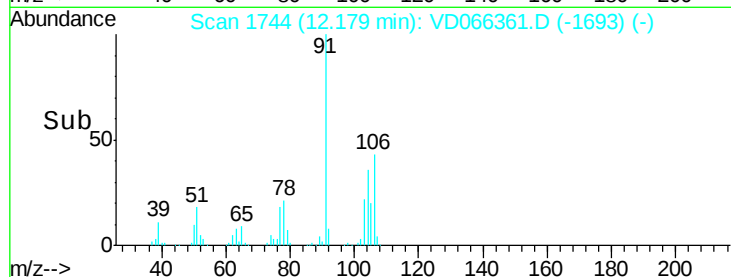
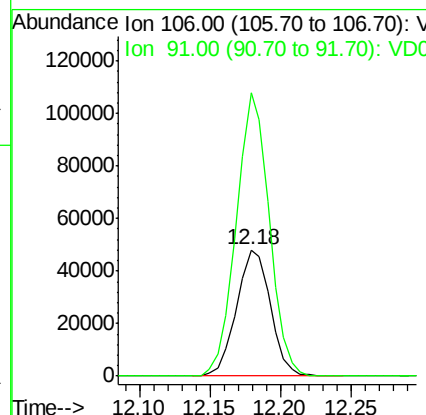
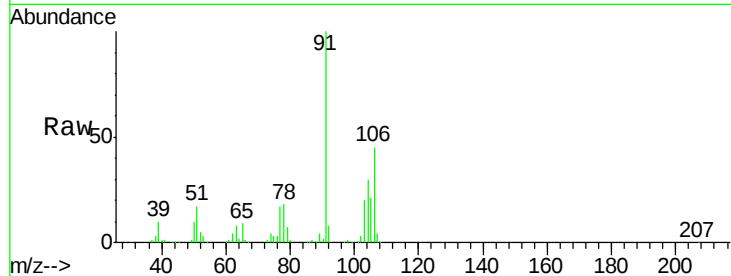
#69
o-Xylene
Concen: 19.679 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		80399		
91	218.6	109.1	327.3		

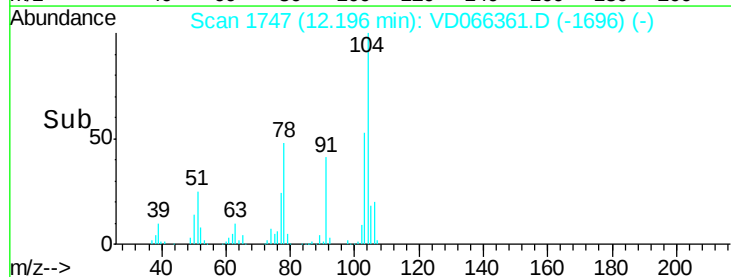
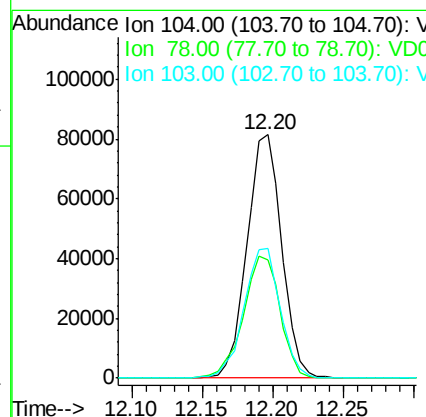
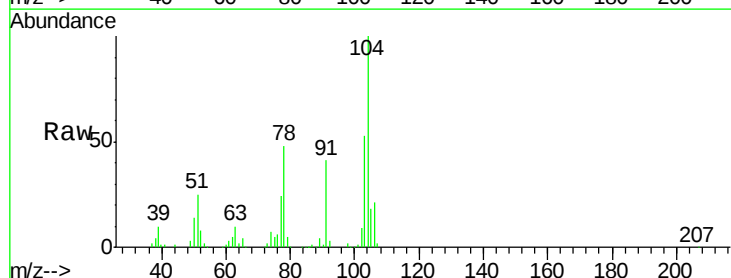
Manual Integrations
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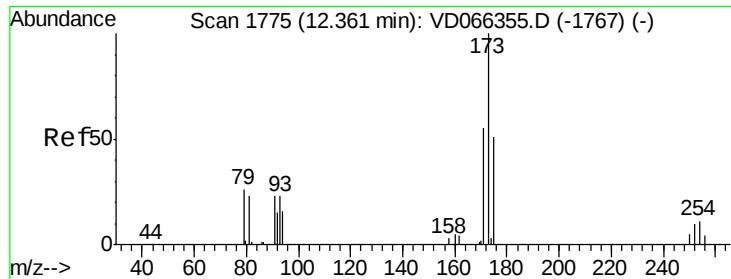
MMDadoda
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#70
Styrene
Concen: 20.016 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		140415		
78	53.1	41.7	62.5		
103	55.8	43.5	65.3		





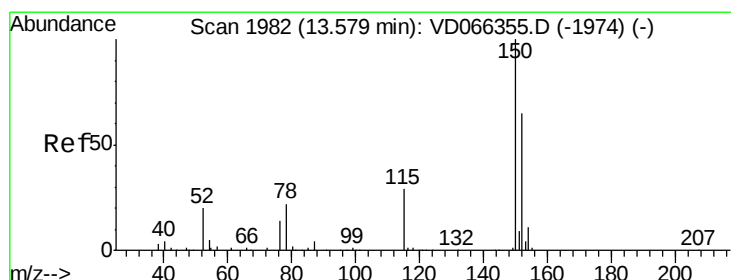
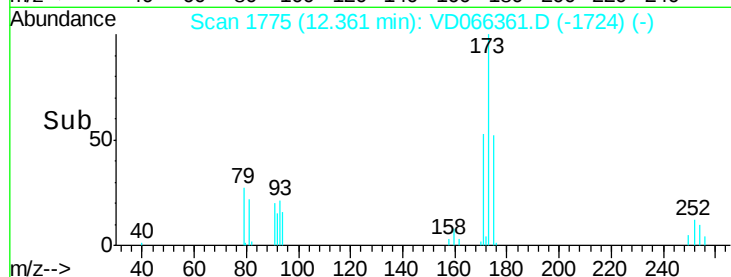
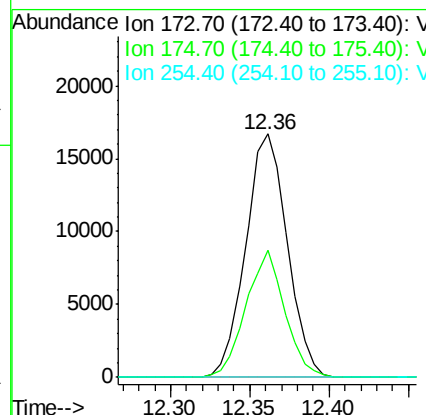
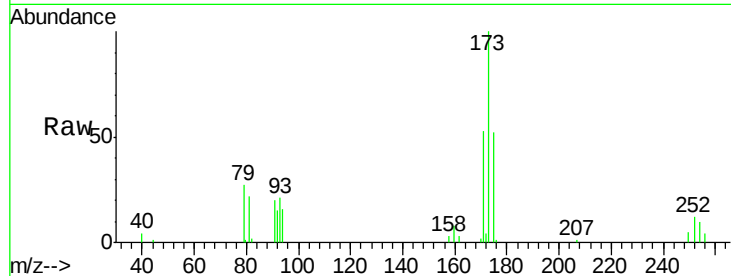
#71
Bromoform
Concen: 20.013 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.8	74.3
254	0.0	0.0	0.0

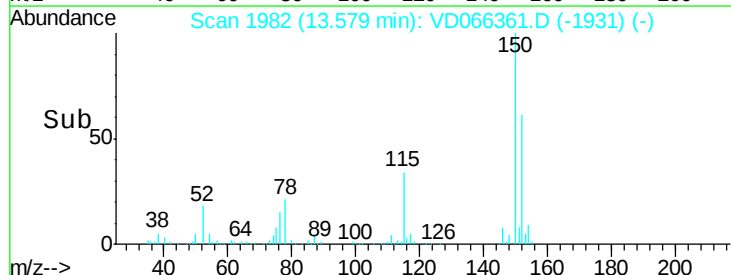
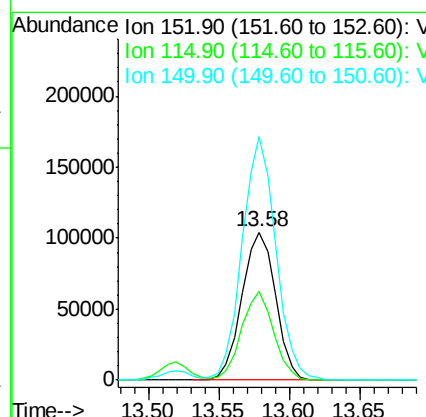
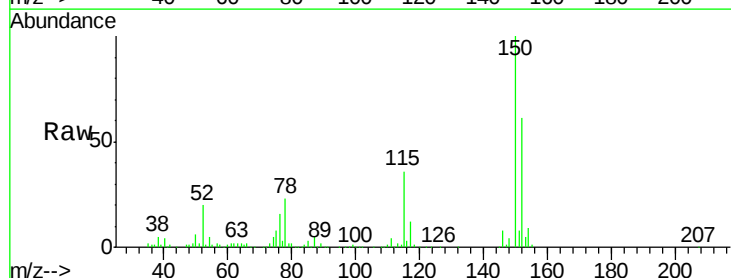
Manual Integrations
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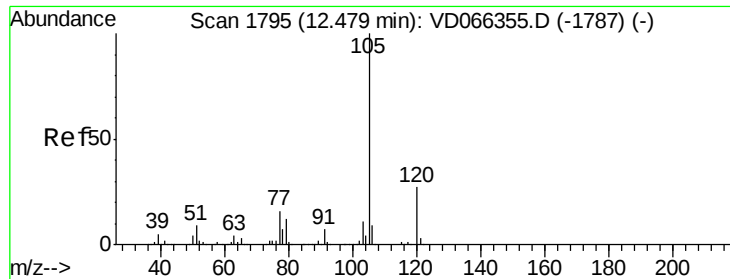
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.3	85.0
150	164.8	0.0	343.2





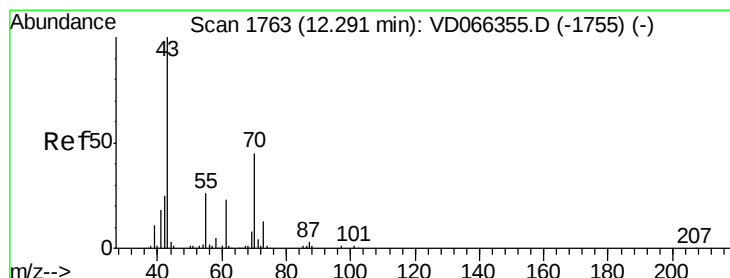
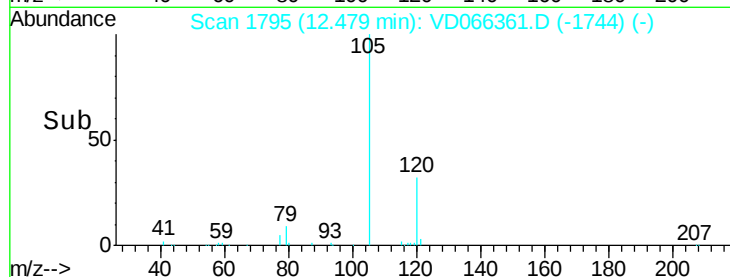
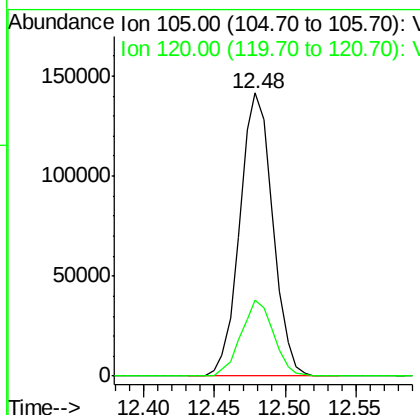
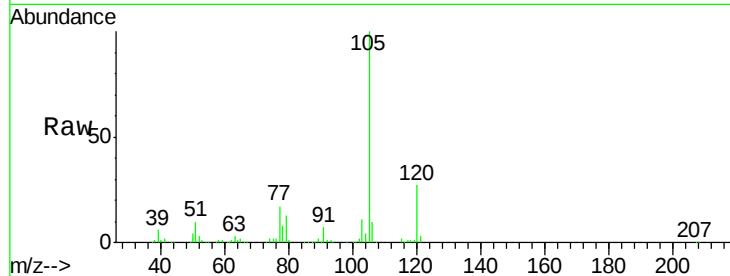
#73
Isopropylbenzene
Concen: 19.816 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	231186		
120	26.5	13.6	40.8	

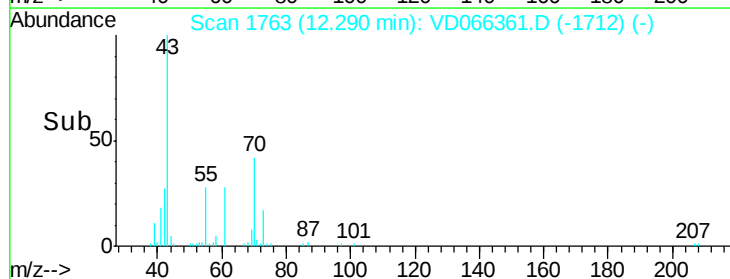
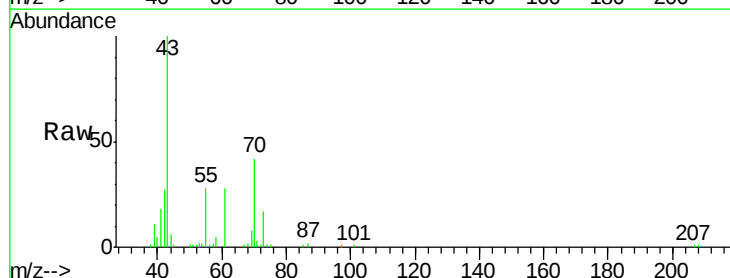
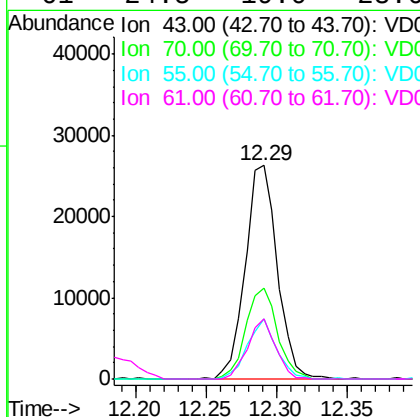
Manual Integrations
APPROVED

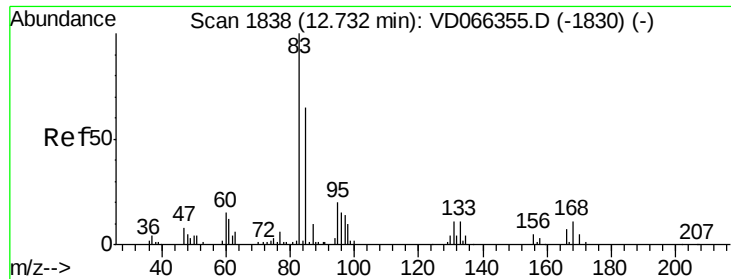
MMDadoda
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#74
N-ethyl acetate
Concen: 19.848 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	41823		
70	41.9	34.8	52.2	
55	25.6	20.3	30.5	
61	24.5	19.0	28.6	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.705 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

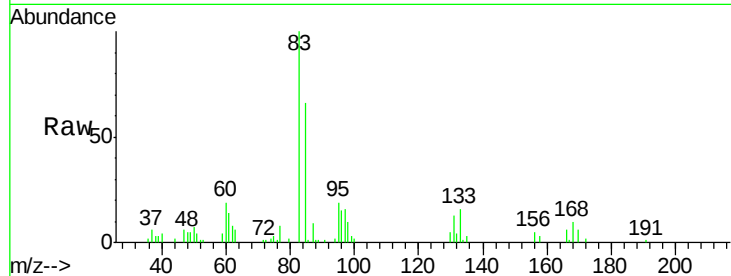
ClientSampleId :

VD0821SBS01

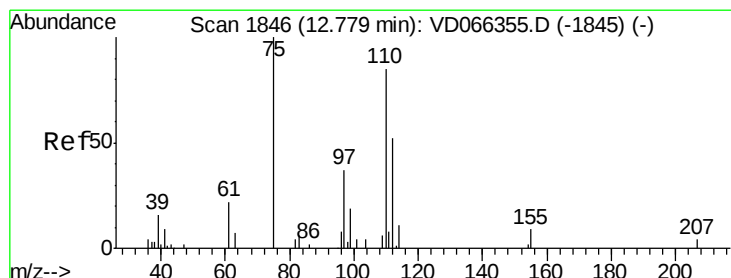
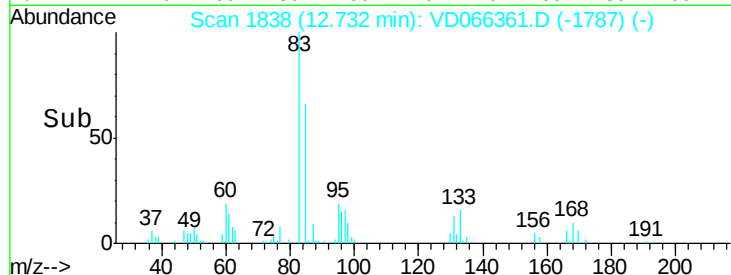
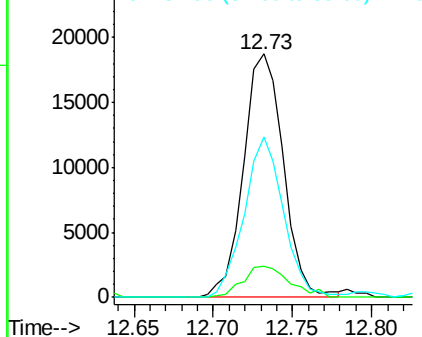
Tot Ion:	83	Resp:	32841
Ion Ratio	Lower	Upper	
83	100		
131	15.0	7.0	20.9
85	65.1	32.4	97.0

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



#76

1,2,3-Trichloropropane

Concen: 18.655 ug/l m

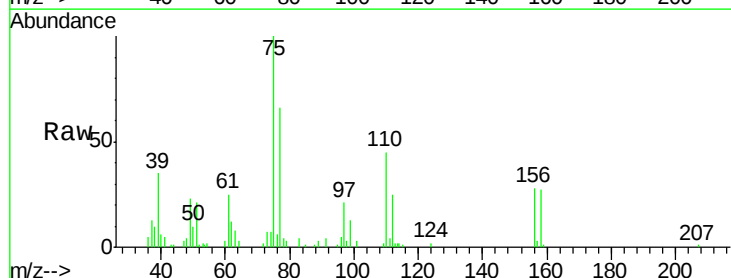
RT: 12.78 min Scan# 1847

Delta R.T. 0.01 min

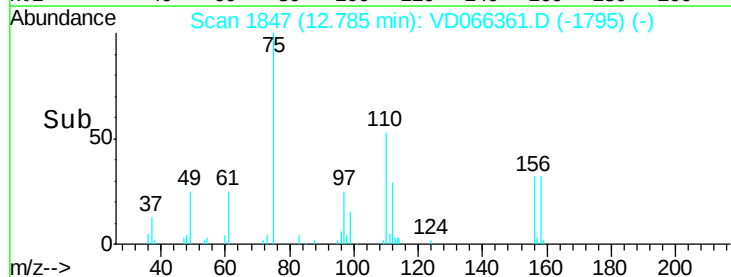
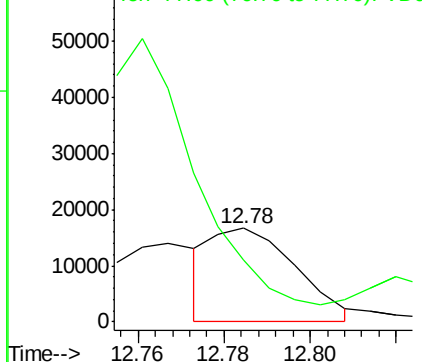
Lab File: VD066361.D

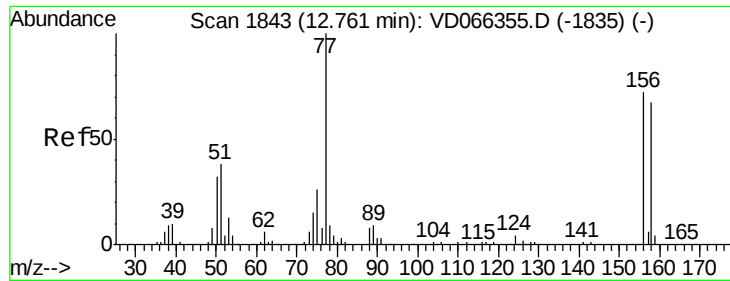
Acq: 21 Aug 2020 15:59

Tgt Ion:	75	Resp:	22856
Ion Ratio	Lower	Upper	
75	100		
77	0.0	182.9	548.9#



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





#77

Bromobenzene

Concen: 19.827 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

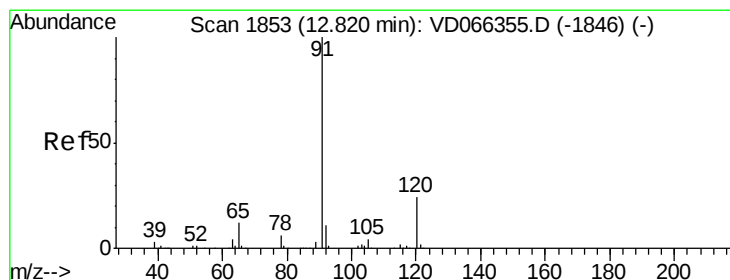
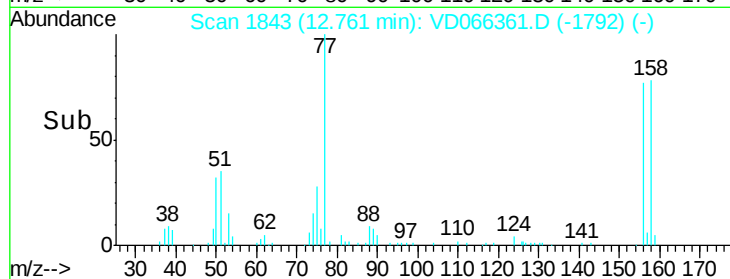
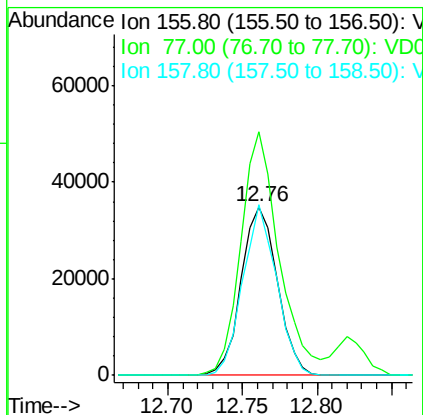
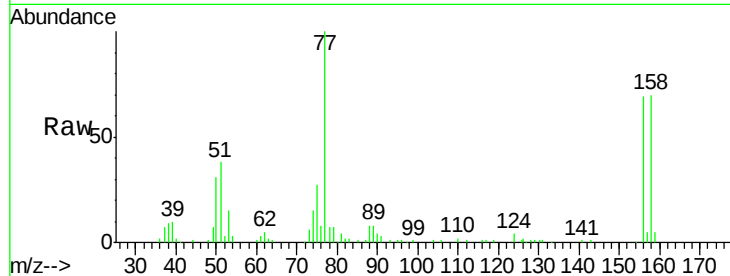
ClientSampleId :

VD0821SBS01

Tot Ion:	156	Resp:	58711
Ion Ratio	Lower	Upper	
156	100		
77	152.4	76.1	228.3
158	94.4	47.6	142.9

Manual Integrations
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#78

n-propylbenzene

Concen: 19.625 ug/l

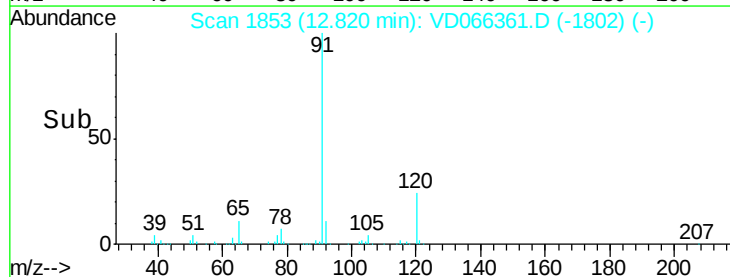
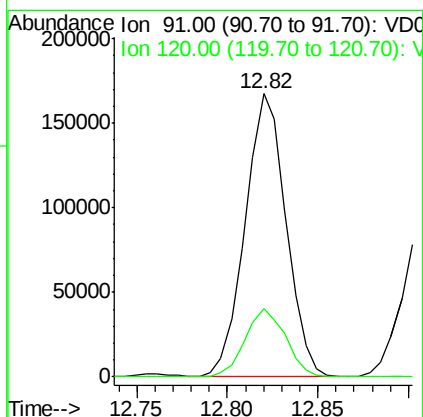
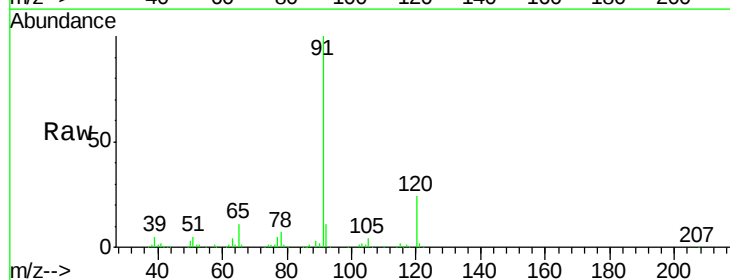
RT: 12.82 min Scan# 1853

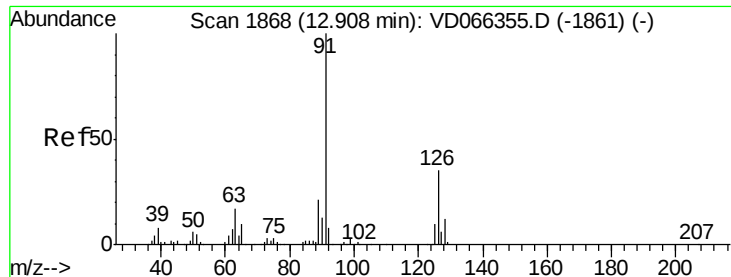
Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Tgt Ion:	91	Resp:	262525
Ion Ratio	Lower	Upper	
91	100		
120	23.7	12.0	36.0





#79

2-Chlorotoluene

Concen: 19.417 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion: 91 Resp: 148348

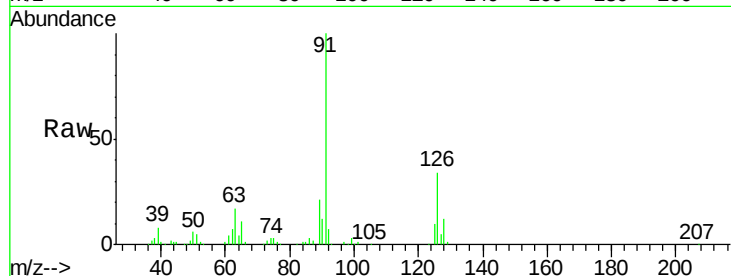
Ion Ratio Lower Upper

91 100

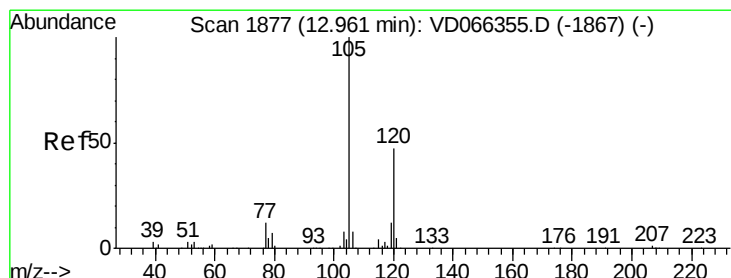
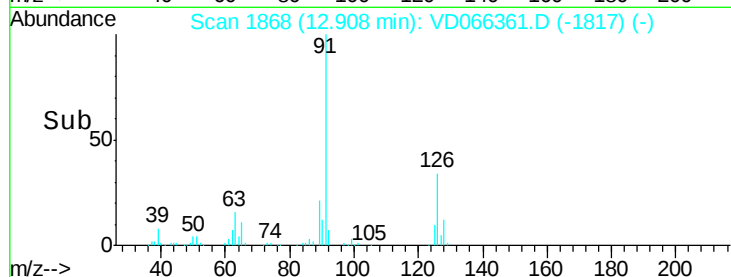
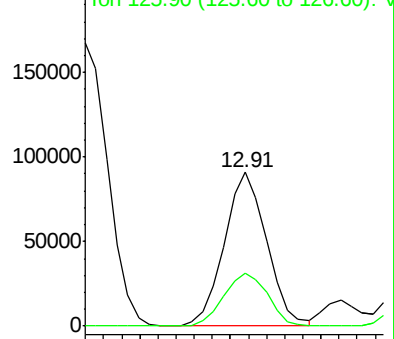
126 35.4 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VD066361.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.757 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066361.D

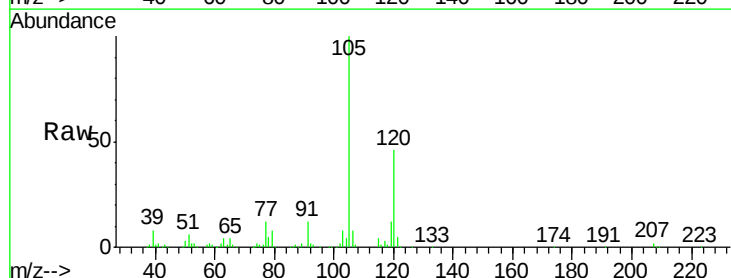
Acq: 21 Aug 2020 15:59

Tgt Ion:105 Resp: 199018

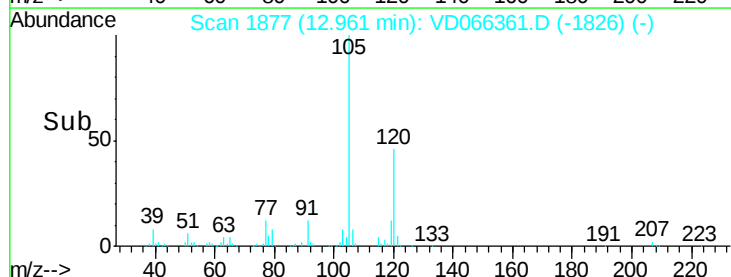
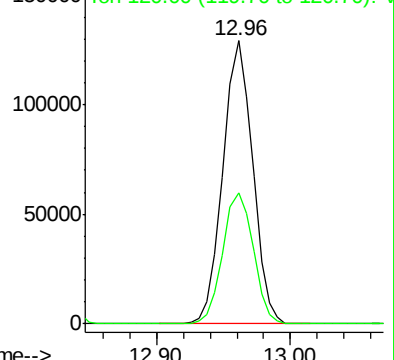
Ion Ratio Lower Upper

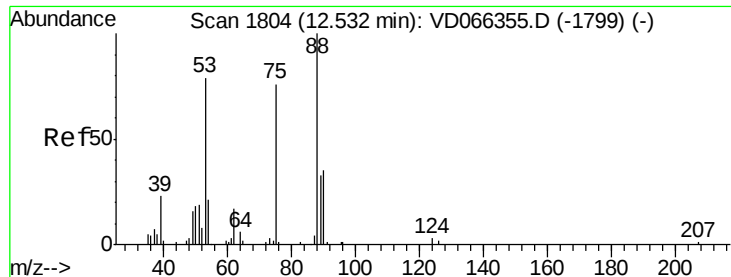
105 100

120 47.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VD066361.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.792 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

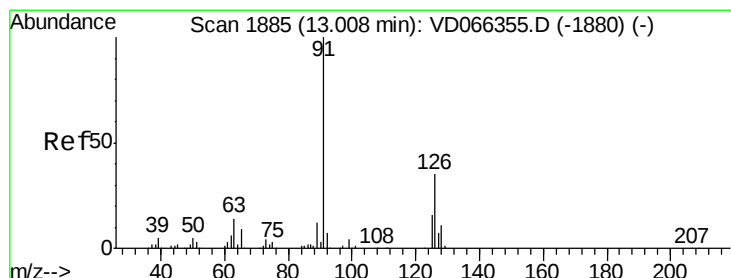
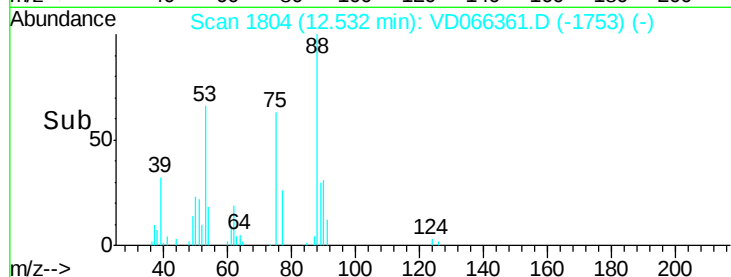
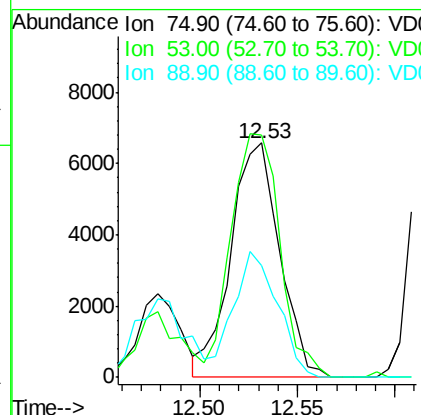
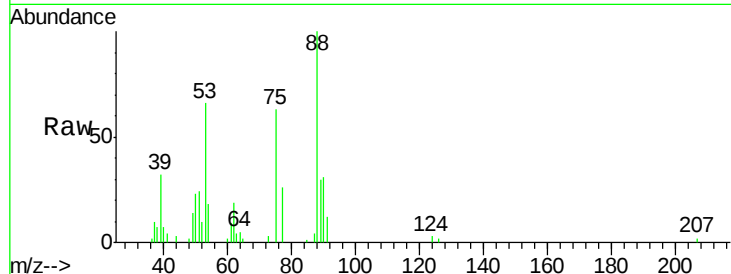
ClientSampleId :

VD0821SBSD01

Tot Ion:	75	Resp:	11424
Ion	Ratio	Lower	Upper
75	100		
53	103.5	87.4	131.2
89	48.9	39.4	59.0

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#82

4-Chlorotoluene

Concen: 19.454 ug/l

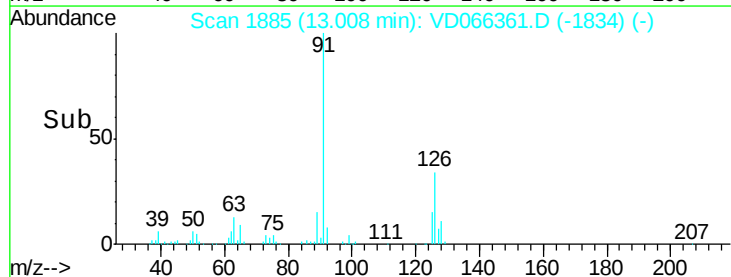
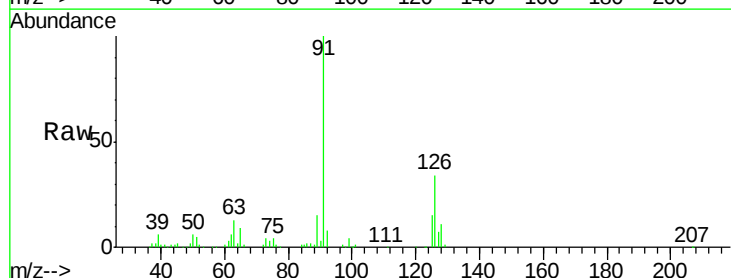
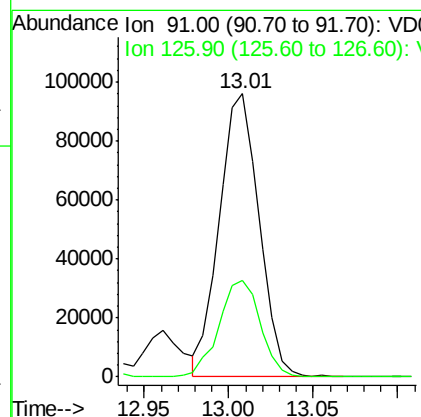
RT: 13.01 min Scan# 1885

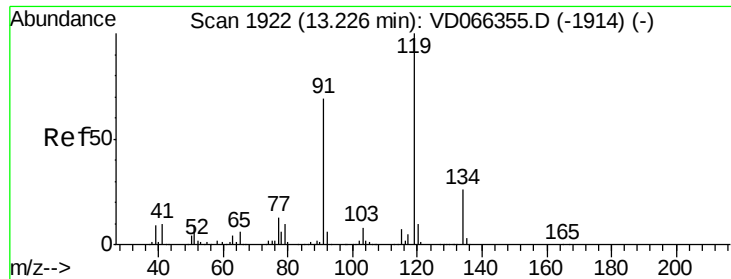
Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Tgt Ion:	91	Resp:	157474
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.2





#83

tert-Butylbenzene

Concen: 19.278 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

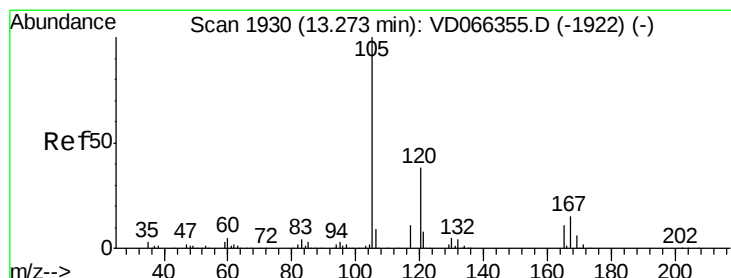
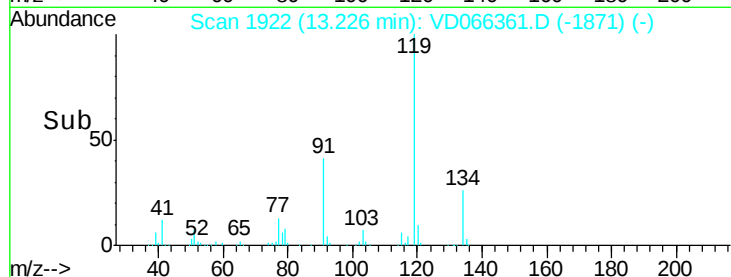
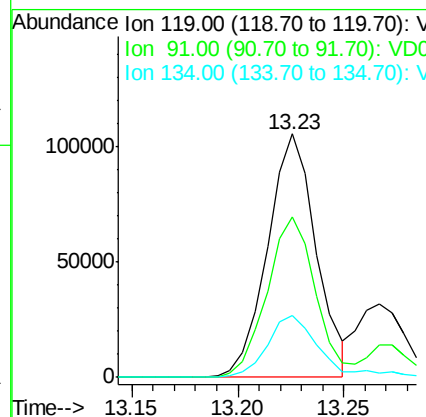
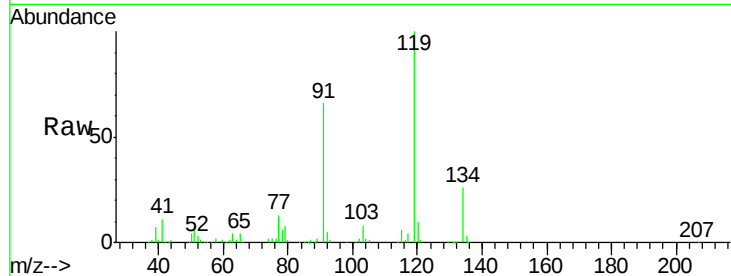
ClientSampleId :

VD0821SBS01

Tot Ion:	119	Resp:	168673
Ion Ratio	Lower	Upper	
119	100		
91	66.3	33.5	100.5
134	27.7	13.5	40.4

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#84

1,2,4-Trimethylbenzene

Concen: 20.169 ug/l

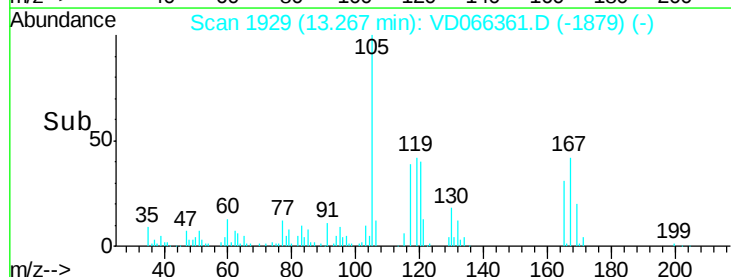
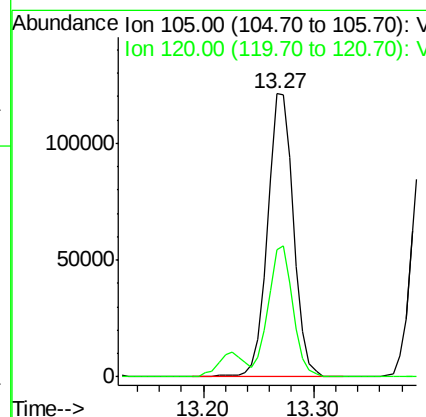
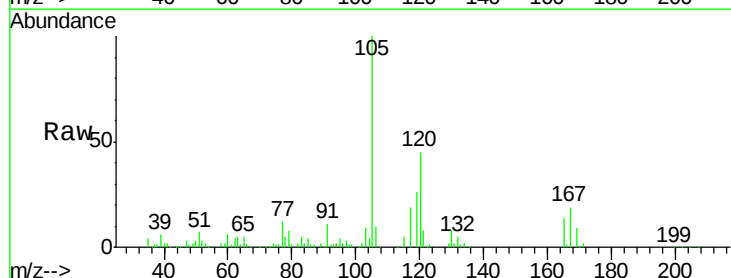
RT: 13.27 min Scan# 1929

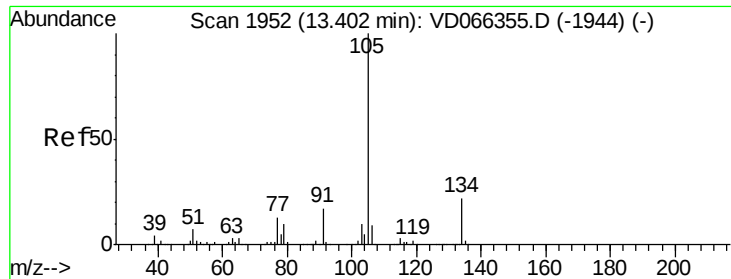
Delta R.T. -0.01 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Tgt Ion:	105	Resp:	199555
Ion Ratio	Lower	Upper	
105	100		
120	43.9	22.6	67.7





#85

sec-Butylbenzene

Concen: 19.547 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

Tot Ion:105 Resp: 224077

Ion Ratio Lower Upper

105 100

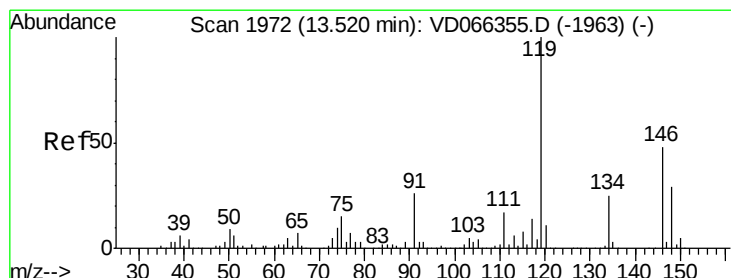
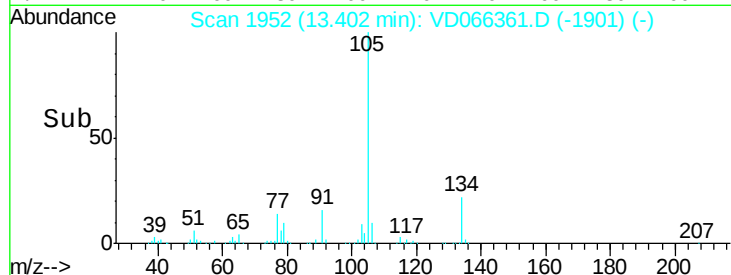
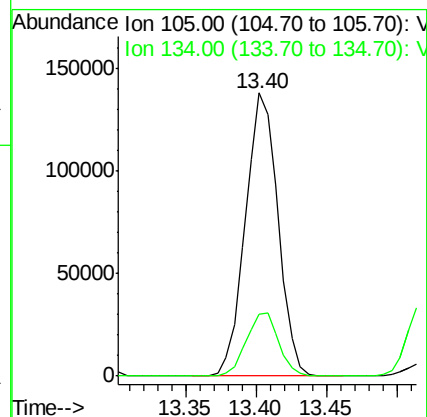
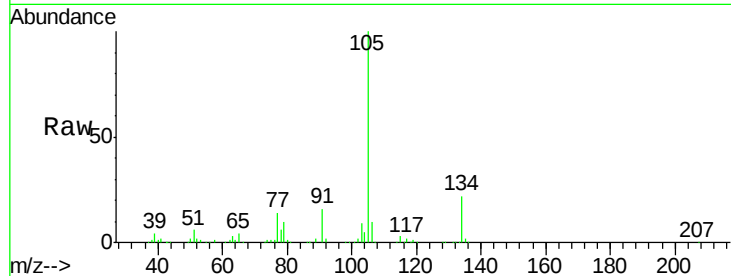
134 22.1 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 19.964 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

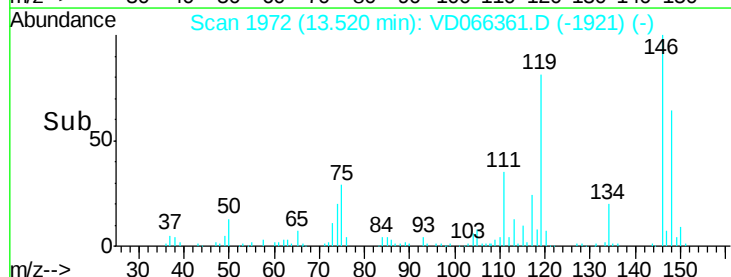
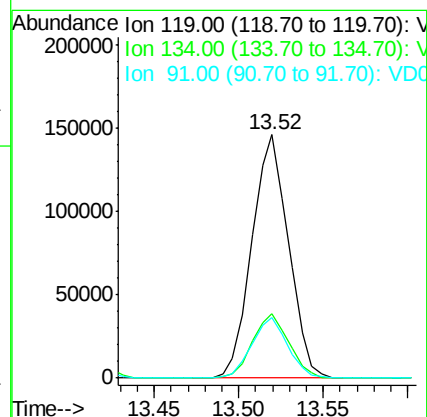
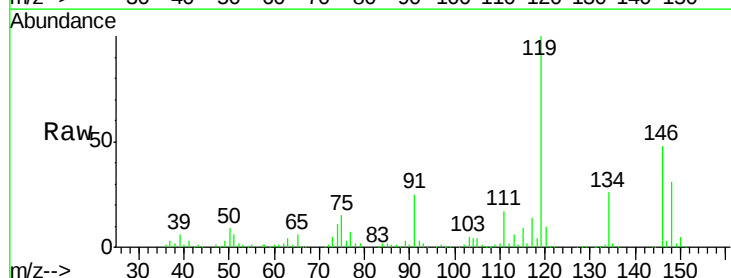
Tgt Ion:119 Resp: 220677

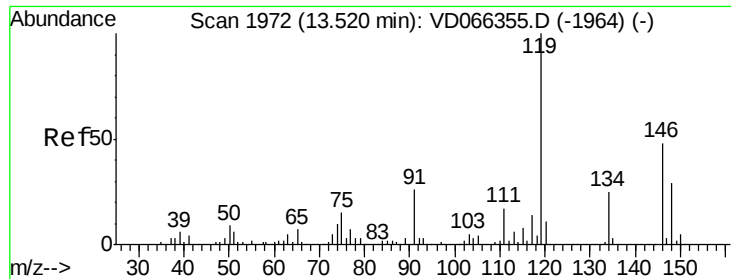
Ion Ratio Lower Upper

119 100

134 26.5 12.8 38.3

91 24.3 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 19.984 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Instrument :

MSVOA_D

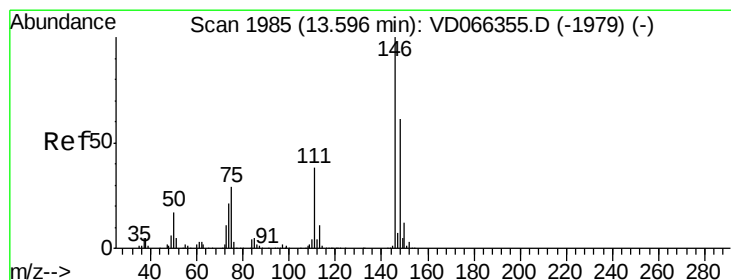
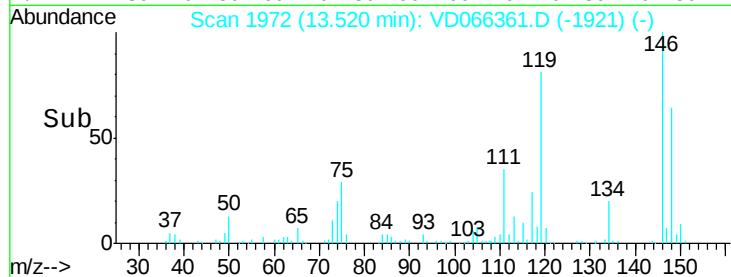
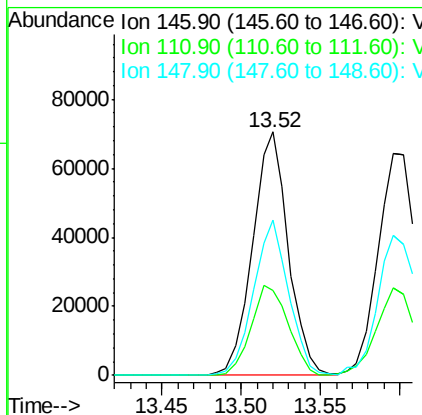
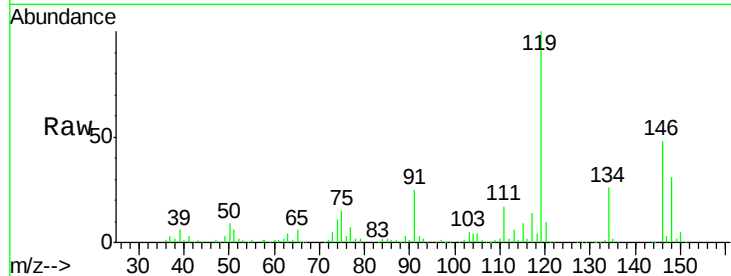
ClientSampleId :

VD0821SBS01

Tot Ion:	146	Resp:	110460
Ion Ratio	Lower	Upper	
146	100		
111	38.7	18.9	56.9
148	62.9	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 19.399 ug/l

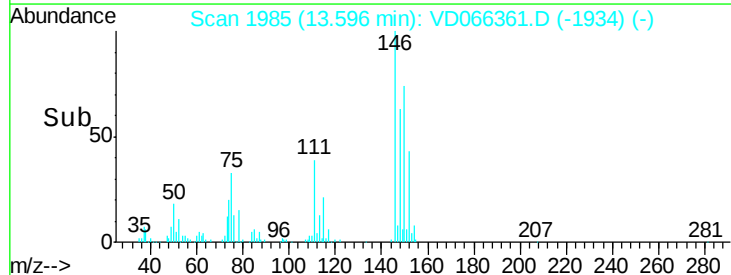
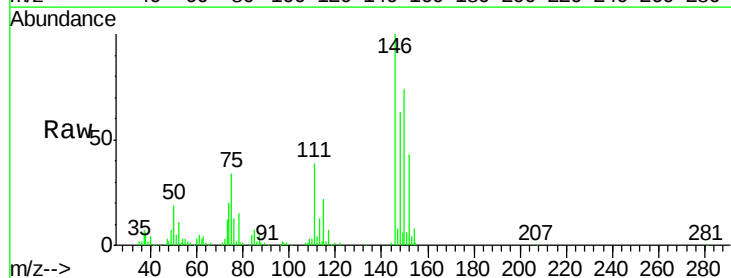
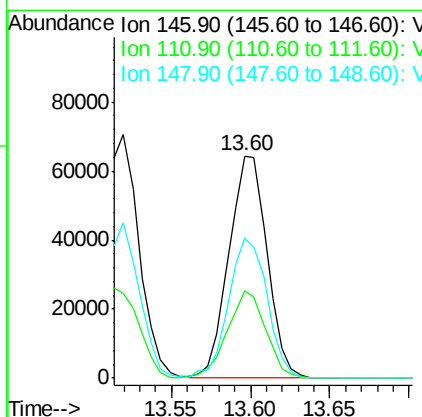
RT: 13.60 min Scan# 1985

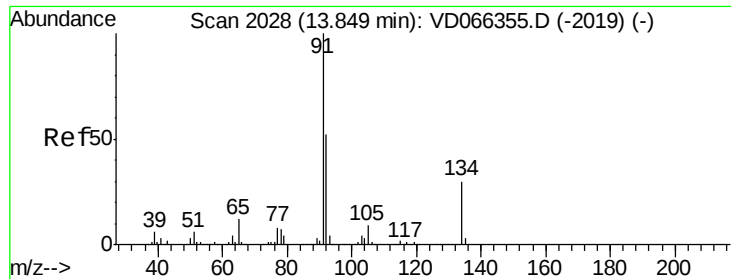
Delta R.T. -0.00 min

Lab File: VD066361.D

Acq: 21 Aug 2020 15:59

Tgt Ion:	146	Resp:	107663
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.1	57.5
148	63.3	32.1	96.3





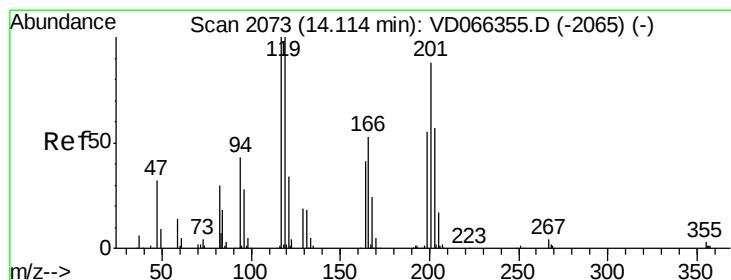
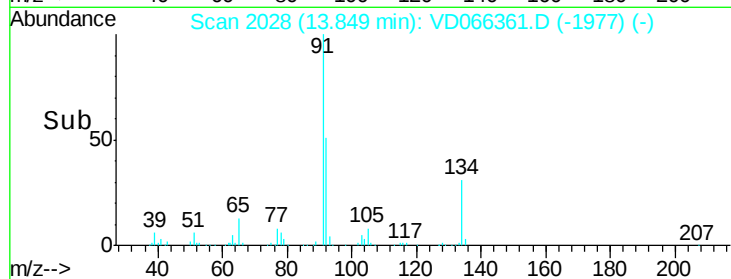
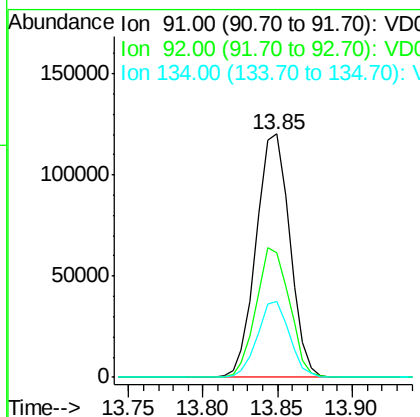
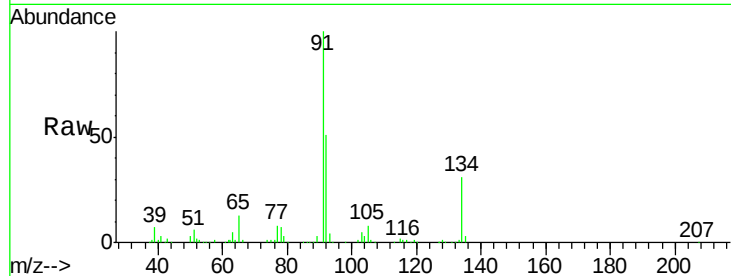
#89
n-Butylbenzene
Concen: 19.220 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.0
134	29.9	14.4	43.4

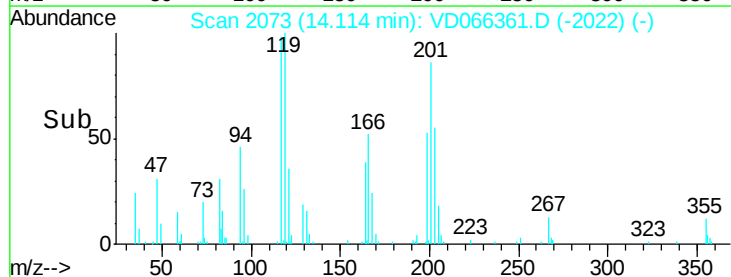
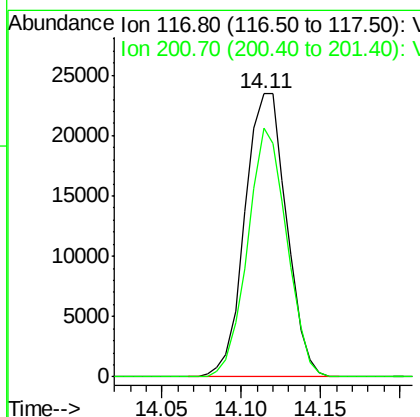
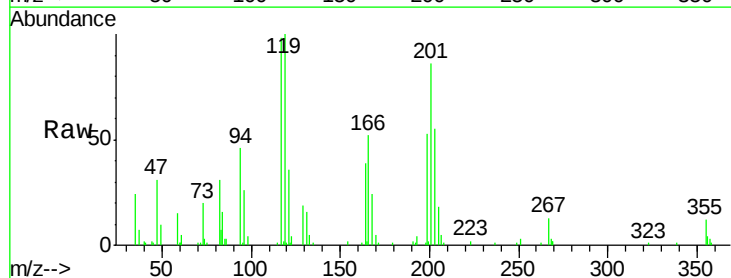
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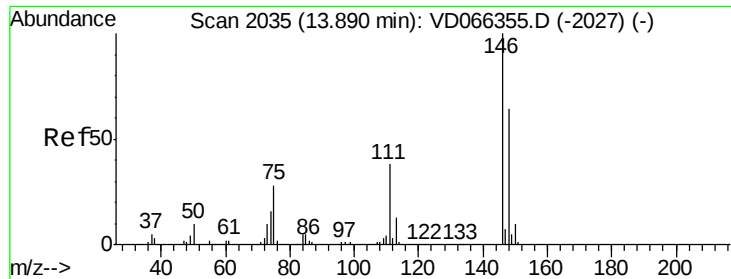
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#90
Hexachloroethane
Concen: 19.646 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	45.4	136.2





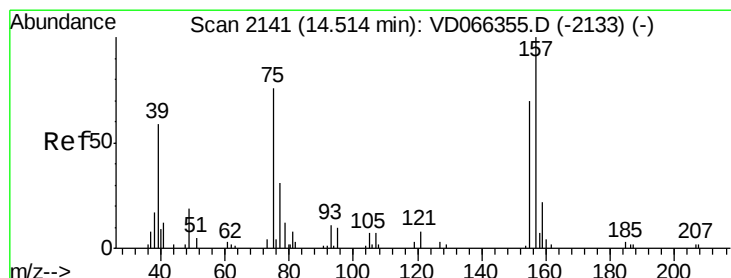
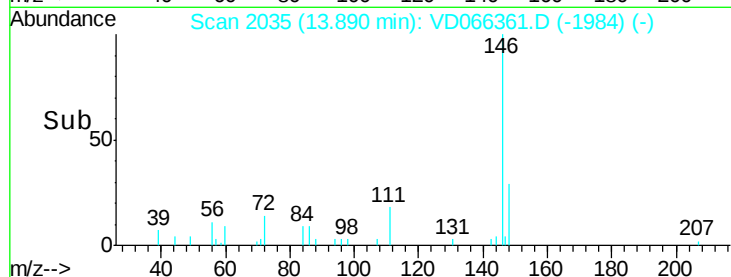
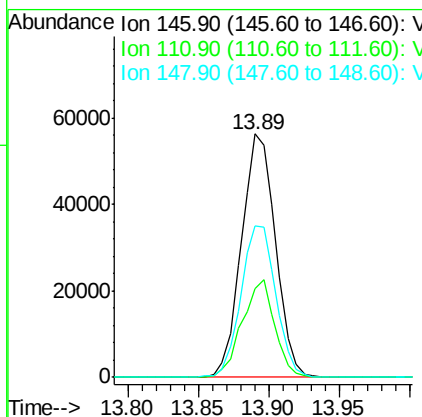
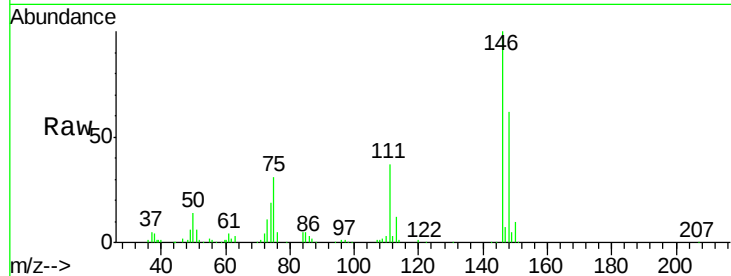
#91
 1,2-Dichlorobenzene
 Concen: 19.983 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.9	59.7
148	63.5	32.6	97.8

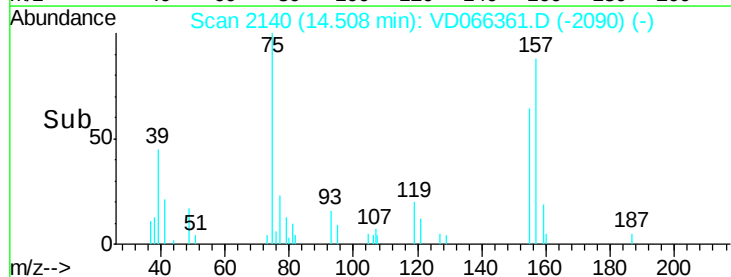
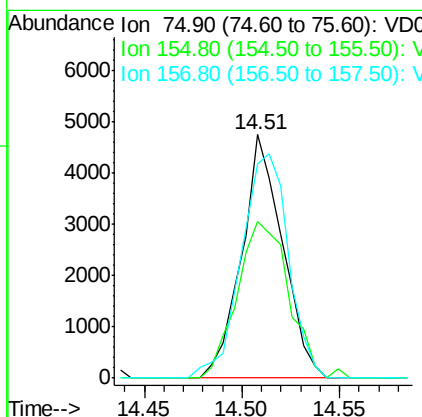
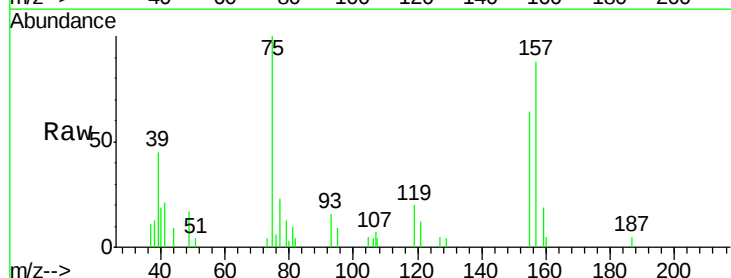
Manual Integrations
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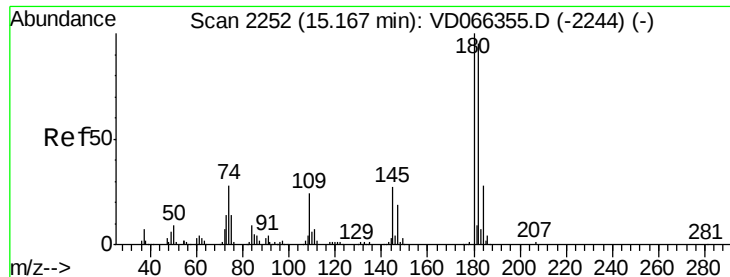
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.702 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.4	46.9	140.6
157	106.0	61.0	183.0





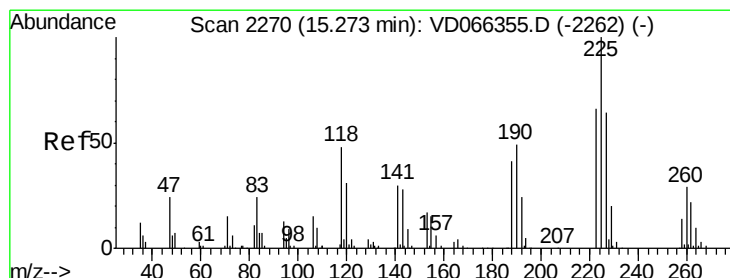
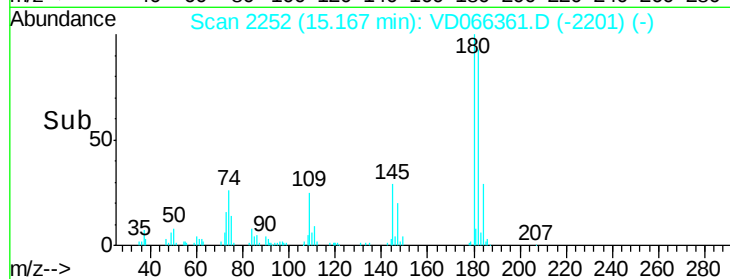
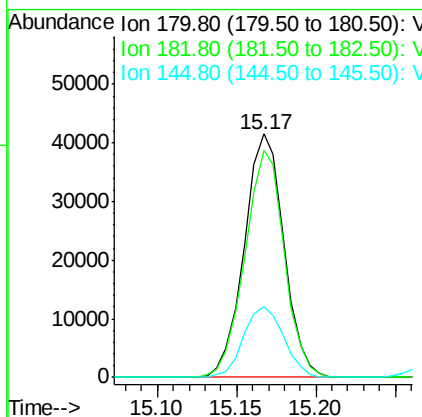
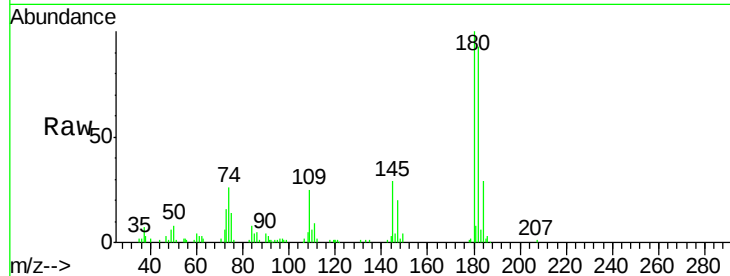
#93
 1,2,4-Trichlorobenzene
 Concen: 19.436 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

Tot Ion:	180	Resp:	72200
Ion Ratio	Lower	Upper	
180	100		
182	92.3	48.0	144.0
145	29.3	15.2	45.6

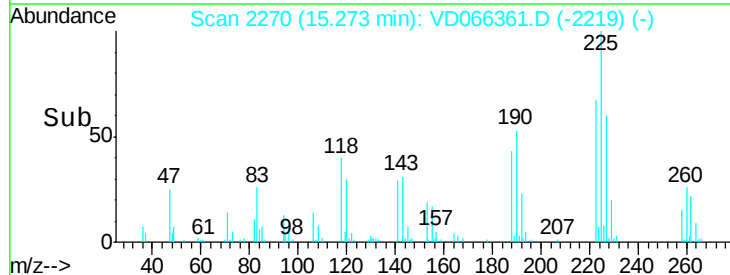
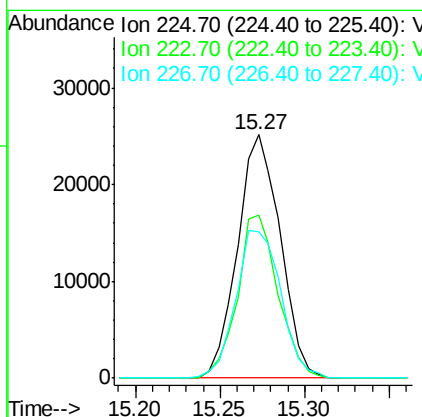
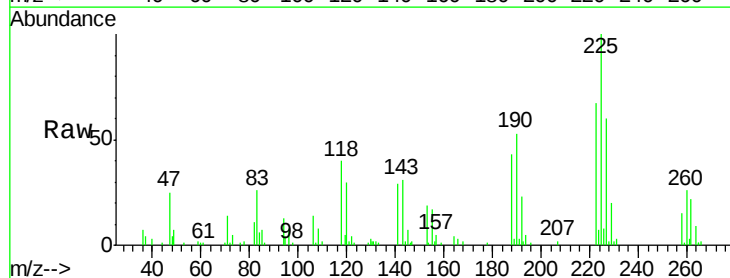
Manual Integrations
 APPROVED

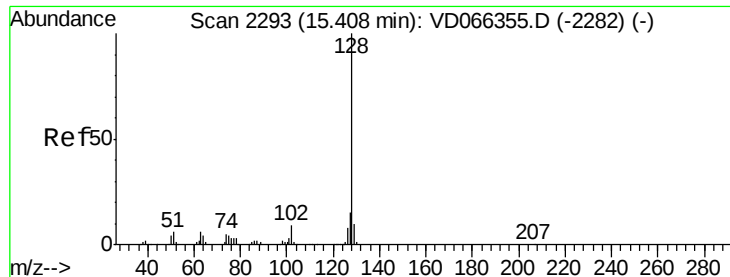
MMDadoda
 8/24/2020 4:37:12 PM



#94
 Hexachlorobutadiene
 Concen: 19.128 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066361.D
 Acq: 21 Aug 2020 15:59

Tgt Ion:	225	Resp:	44159
Ion Ratio	Lower	Upper	
225	100		
223	63.8	32.5	97.4
227	63.9	33.0	98.9





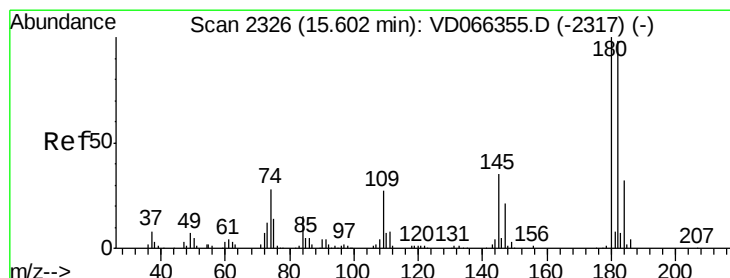
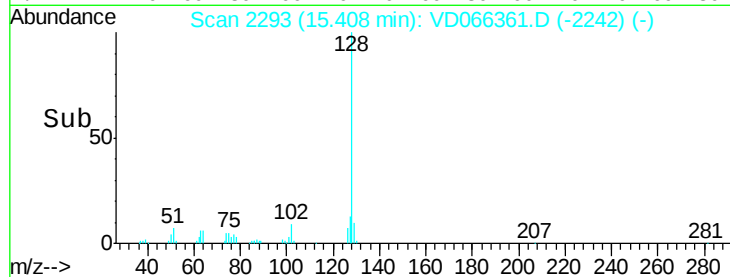
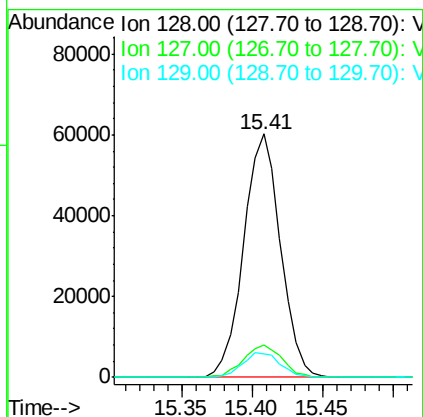
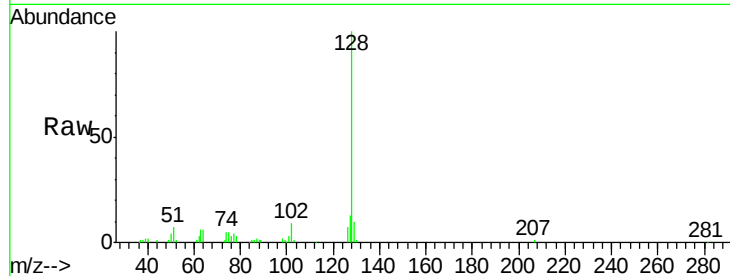
#95
Naphthalene
Concen: 18.869 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.7	16.1
129	10.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
8/24/2020 4:37:12 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.356 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066361.D
Acq: 21 Aug 2020 15:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	46.7	140.0
145	33.0	16.0	48.0

