

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066211.D
 Acq On : 13 Aug 2020 15:39
 Operator : VA/SY
 Sample : VD0813SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2020 5:11:55 PM

Quant Time: Aug 14 03:19:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	325929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	466377	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	428738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	224370	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	141246	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
35) Dibromofluoromethane	7.91	113	147424	49.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.80%	
50) Toluene-d8	10.34	98	537085	49.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.52%	
62) 4-Bromofluorobenzene	12.63	95	193644	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58808	20.480	ug/l	98
3) Chloromethane	2.21	50	41299	18.489	ug/l	96
4) Vinyl Chloride	2.34	62	38737	19.588	ug/l	97
5) Bromomethane	2.75	94	26173	19.948	ug/l	87
6) Chloroethane	2.91	64	21846	17.996	ug/l #	84
7) Trichlorofluoromethane	3.27	101	96928	18.800	ug/l	98
8) Diethyl Ether	3.70	74	27437	18.860	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58980	19.276	ug/l	99
10) Methyl Iodide	4.29	142	53458	23.326	ug/l	100
11) Tert butyl alcohol	5.20	59	23169	81.032	ug/l #	76
12) 1,1-Dichloroethene	4.06	96	54994	19.052	ug/l	93
13) Acrolein	3.93	56	17380	75.091	ug/l	100
14) Allyl chloride	4.71	41	79439	18.166	ug/l	97
15) Acrylonitrile	5.42	53	58751	95.837	ug/l	96
16) Acetone	4.16	43	55339	100.301	ug/l	98
17) Carbon Disulfide	4.40	76	163771	17.845	ug/l	99
18) Methyl Acetate	4.72	43	26512	18.918	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	121937	18.431	ug/l	100
20) Methylene Chloride	4.96	84	78985	22.348	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	59519	17.950	ug/l	94
22) Diisopropyl ether	6.36	45	161389	18.663	ug/l	97
23) Vinyl Acetate	6.30	43	469837	92.742	ug/l	99
24) 1,1-Dichloroethane	6.26	63	99021	18.503	ug/l	99
25) 2-Butanone	7.21	43	73716	90.840	ug/l	98
26) 2,2-Dichloropropane	7.20	77	93246	19.440	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	67421	19.385	ug/l	96
28) Bromochloromethane	7.54	49	40006	21.284	ug/l	99
29) Tetrahydrofuran	7.56	42	45622	90.741	ug/l	99
30) Chloroform	7.70	83	116934	20.809	ug/l	93
31) Cyclohexane	7.98	56	92756	18.208	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	100572	19.088	ug/l	99
36) 1,1-Dichloropropene	8.11	75	81181	18.524	ug/l	98
37) Ethyl Acetate	7.28	43	32500	18.717	ug/l	96
38) Carbon Tetrachloride	8.09	117	96655	19.777	ug/l	91

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Manual Integrations
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Quant Time: Aug 14 03:19:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	98331	18.561	ug/l	98
40) Benzene	8.34	78	224359	18.454	ug/l	95
41) Methacrylonitrile	7.51	41	19138	18.745	ug/l	96
42) 1,2-Dichloroethane	8.42	62	70048	19.613	ug/l	99
43) Isopropyl Acetate	8.45	43	64479	18.847	ug/l	100
44) Trichloroethene	9.11	130	69826	19.060	ug/l	95
45) 1,2-Dichloropropane	9.38	63	57805	19.441	ug/l	96
46) Dibromomethane	9.47	93	31648	19.323	ug/l	98
47) Bromodichloromethane	9.66	83	82710	19.107	ug/l	93
48) Methyl methacrylate	9.46	41	29959	17.149	ug/l	87
49) 1,4-Dioxane	9.46	88	7239	344.027	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	164012	93.329	ug/l	100
52) Toluene	10.40	92	155400	19.425	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	77995	18.986	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	95009	19.740	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	45523	19.303	ug/l	99
56) Ethyl methacrylate	10.66	69	54217	19.137	ug/l	98
57) 1,3-Dichloropropane	10.94	76	75187	19.204	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	136239	106.907	ug/l	99
59) 2-Hexanone	10.98	43	117953	95.637	ug/l	95
60) Dibromochloromethane	11.14	129	61502	18.889	ug/l	98
61) 1,2-Dibromoethane	11.24	107	43637	19.240	ug/l	100
64) Tetrachloroethene	10.87	164	62341	18.936	ug/l	96
65) Chlorobenzene	11.67	112	165873	19.058	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	65737	19.304	ug/l	98
67) Ethyl Benzene	11.74	91	289562	19.199	ug/l	100
68) m/p-Xylenes	11.85	106	229243	39.230	ug/l	99
69) o-Xylene	12.18	106	100517	18.909	ug/l	97
70) Styrene	12.20	104	181964	19.533	ug/l	99
71) Bromoform	12.36	173	38988	19.324	ug/l #	98
73) Isopropylbenzene	12.48	105	289171	19.307	ug/l	100
74) N-amyl acetate	12.28	43	60830	18.444	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	48537	19.005	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	37728m	20.164	ug/l	
77) Bromobenzene	12.76	156	75881	19.681	ug/l	96
78) n-propylbenzene	12.82	91	332743	19.112	ug/l	99
79) 2-Chlorotoluene	12.91	91	184626	18.542	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	241267	19.262	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	16682	19.709	ug/l	96
82) 4-Chlorotoluene	13.01	91	199732	19.001	ug/l	99
83) tert-Butylbenzene	13.23	119	201696	18.310	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	241500	19.266	ug/l	99
85) sec-Butylbenzene	13.40	105	284022	19.097	ug/l	99
86) p-Isopropyltoluene	13.52	119	269664	19.332	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	140355	19.370	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	137971	19.093	ug/l	98
89) n-Butylbenzene	13.85	91	238935	19.118	ug/l	99
90) Hexachloroethane	14.11	117	51811	18.624	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	122187	19.067	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8932	20.349	ug/l	90

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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	88201	18.677	ug/l	99
94) Hexachlorobutadiene	15.27	225	51806	18.629	ug/l	99
95) Naphthalene	15.41	128	140005	18.194	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	76763	18.413	ug/l	98

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

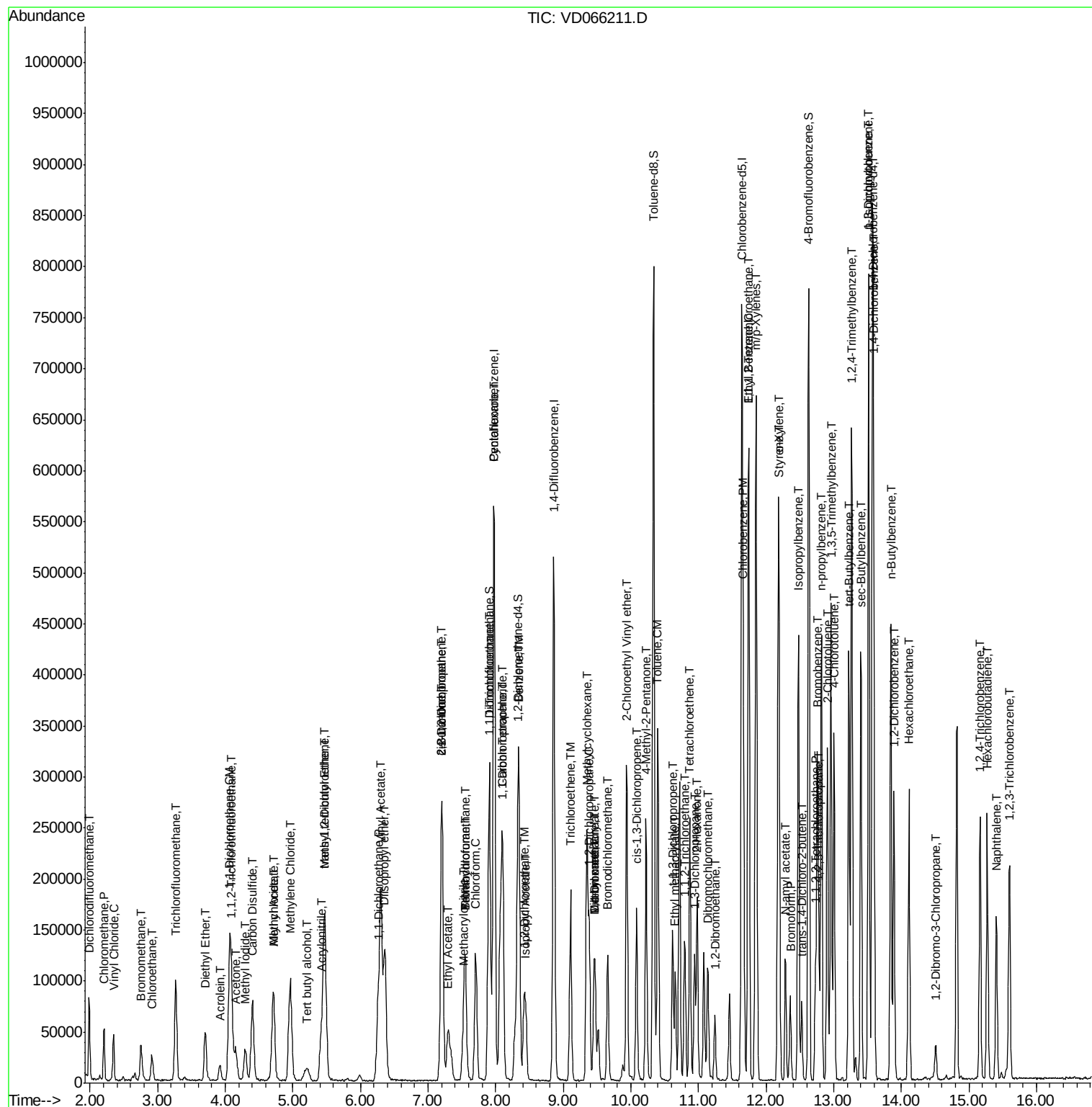
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
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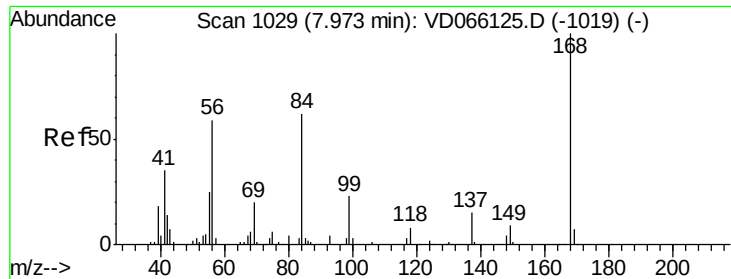
Instrument :
 MSVOA_D
 Client Sample Id :
 VD0813SBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion:168 Resp: 325929

Ion Ratio Lower Upper

168 100

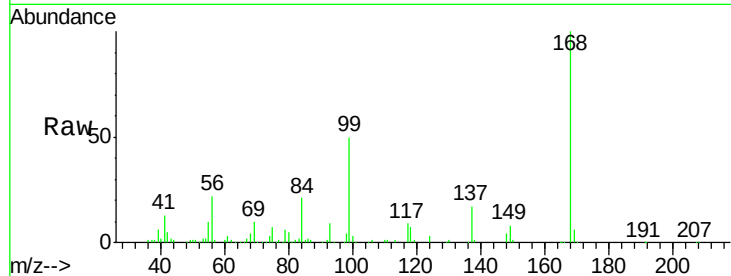
99 50.0 42.2 63.4

Manual Integrations

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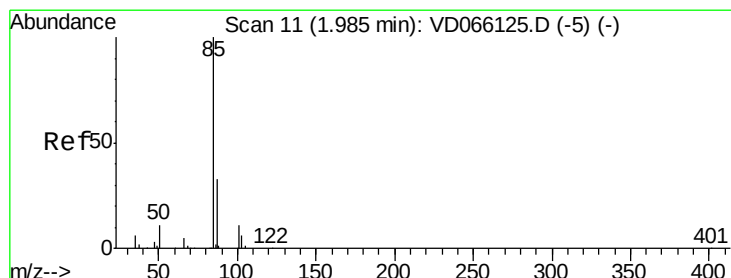
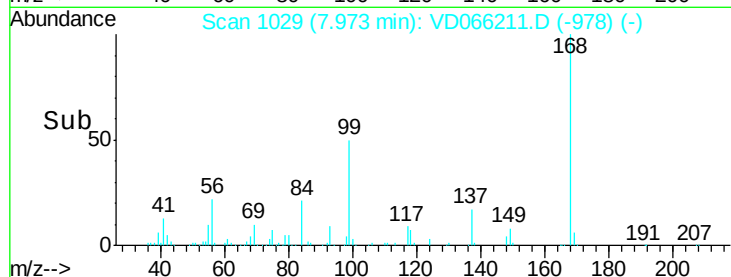
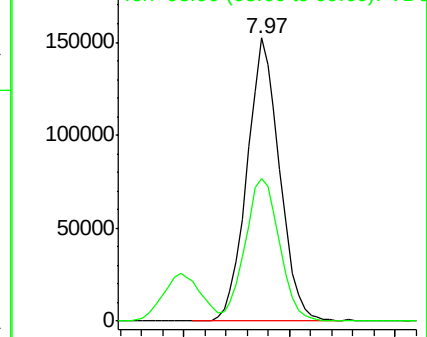
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.480 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066211.D

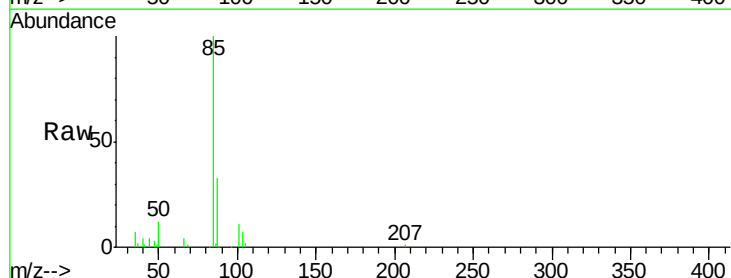
Acq: 13 Aug 2020 15:39

Tgt Ion: 85 Resp: 58808

Ion Ratio Lower Upper

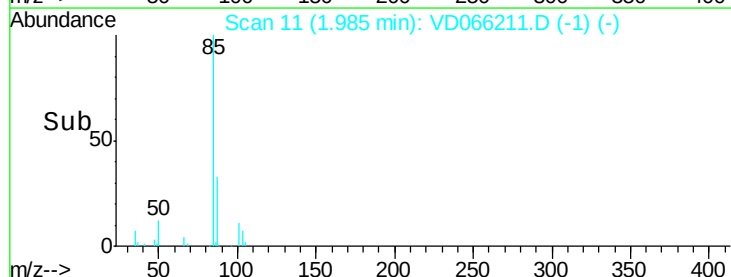
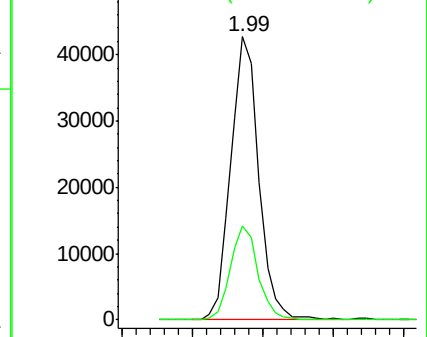
85 100

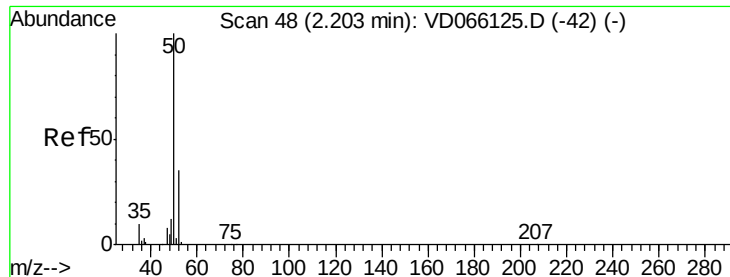
87 33.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.489 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 50 Resp: 41299

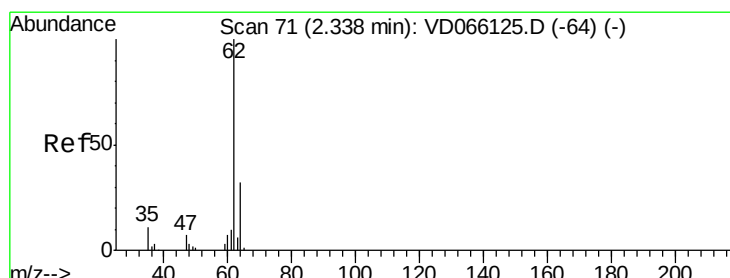
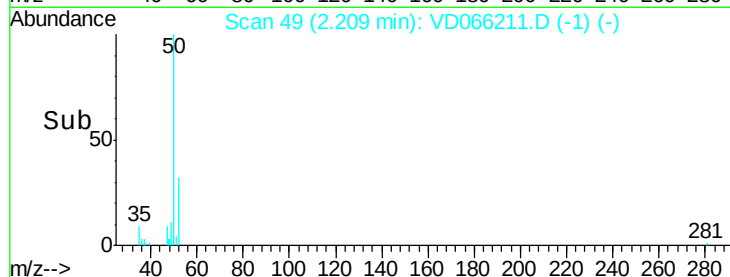
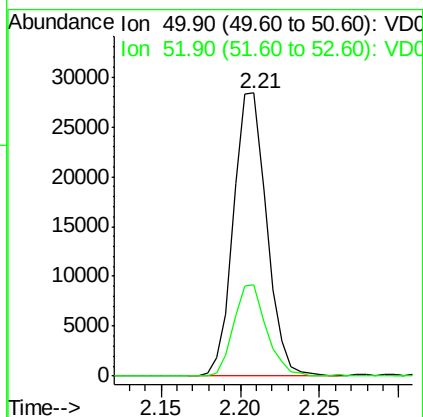
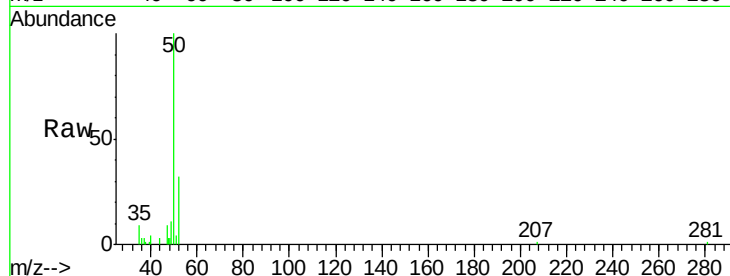
Ion Ratio Lower Upper

50 100

52 32.4 27.9 41.9

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#4

Vinyl Chloride

Concen: 19.588 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066211.D

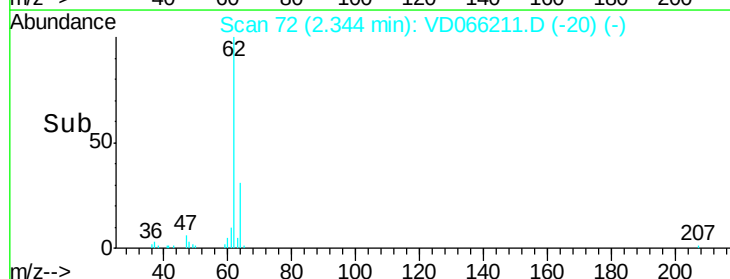
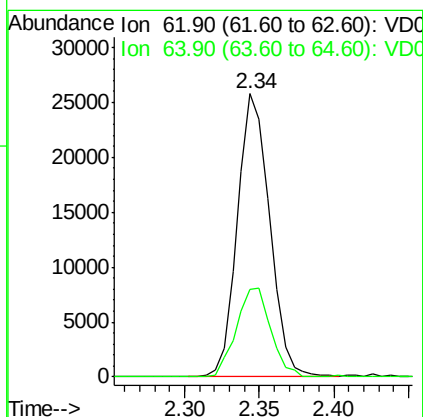
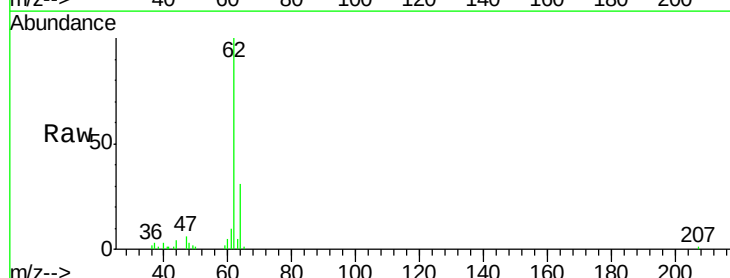
Acq: 13 Aug 2020 15:39

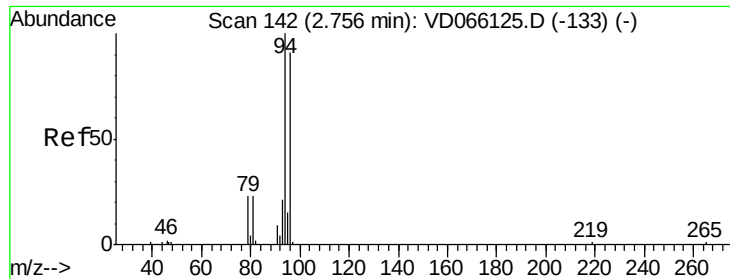
Tgt Ion: 62 Resp: 38737

Ion Ratio Lower Upper

62 100

64 30.7 25.8 38.8





#5

Bromomethane

Concen: 19.948 ug/l

RT: 2.75 min Scan# 141

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 94 Resp: 26173

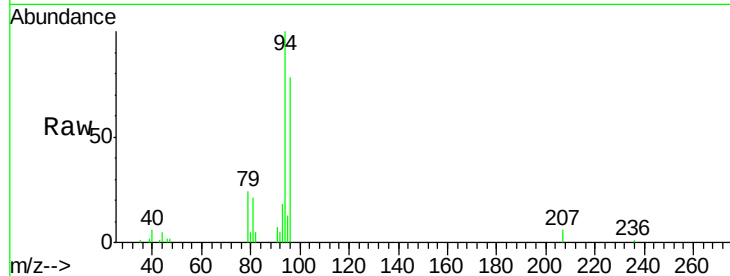
Ion Ratio Lower Upper

94 100

96 78.3 72.6 109.0

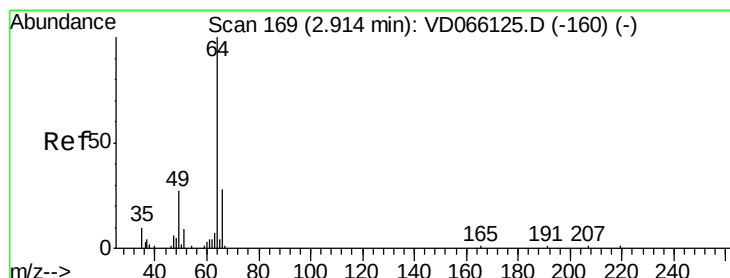
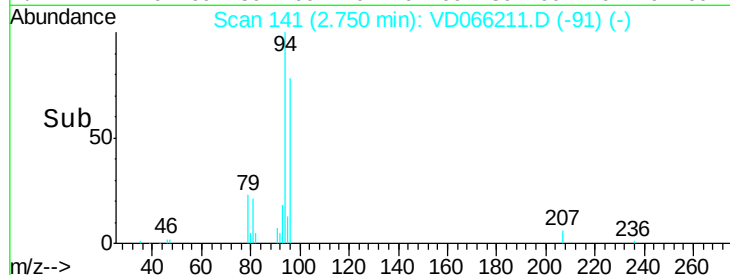
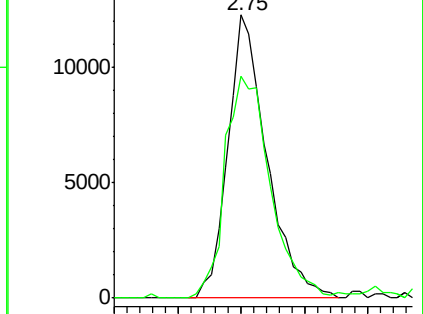
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.996 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066211.D

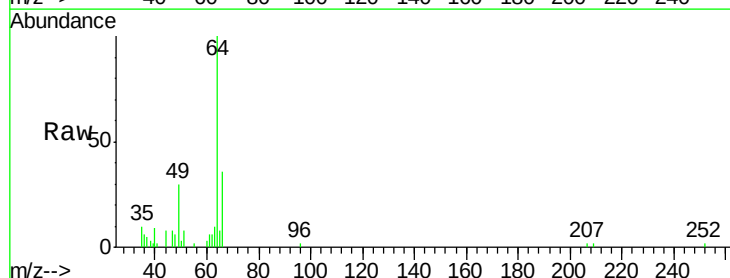
Acq: 13 Aug 2020 15:39

Tgt Ion: 64 Resp: 21846

Ion Ratio Lower Upper

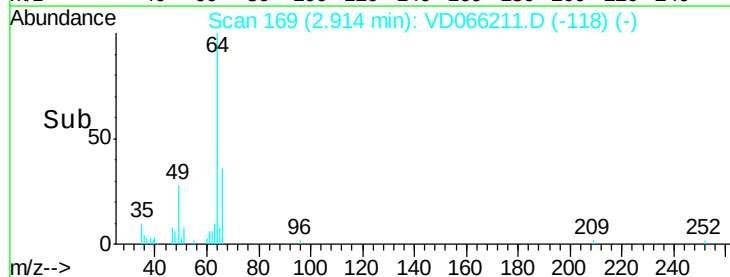
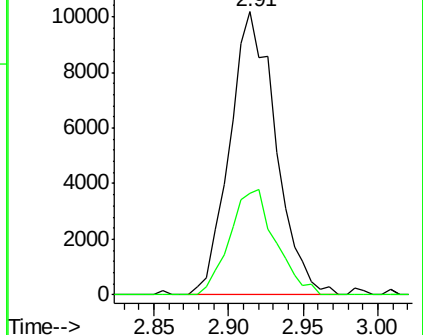
64 100

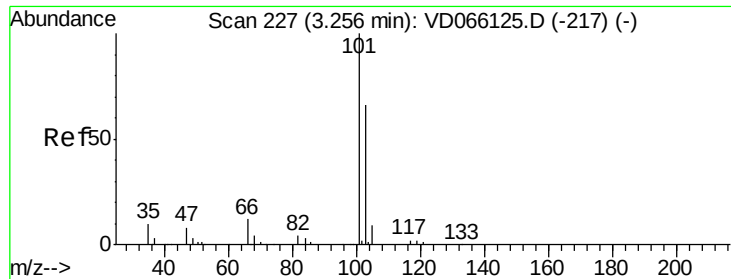
66 35.9 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

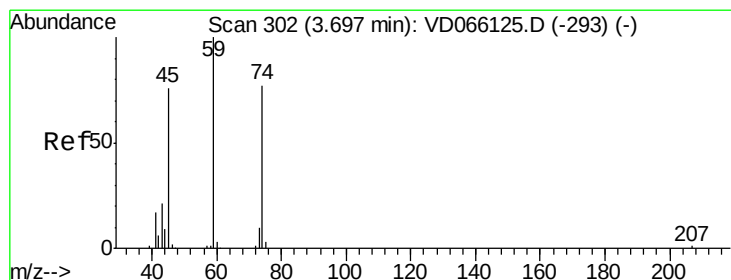
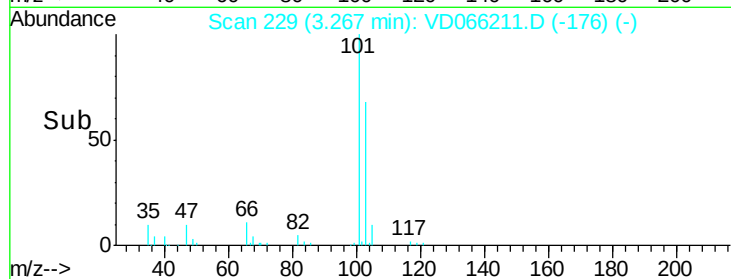
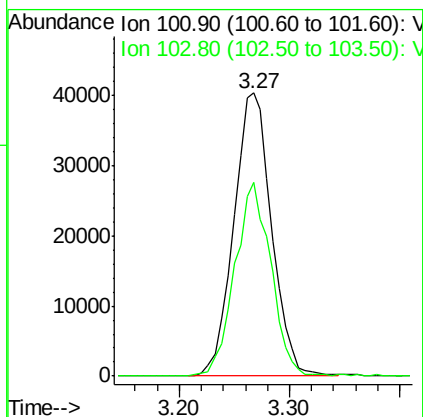
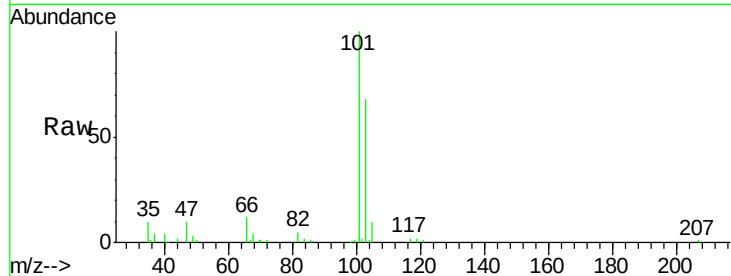
Trichlorofluoromethane
Concen: 18.800 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	96928		
103	68.3	53.0	79.6	

Manual Integrations
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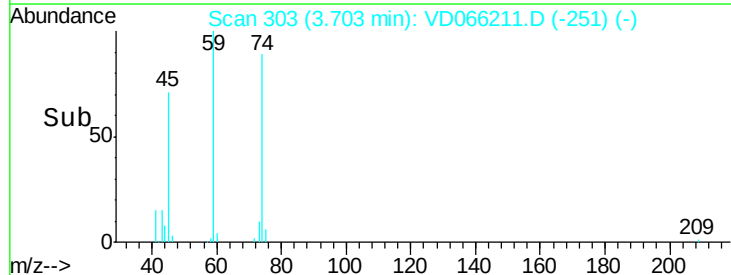
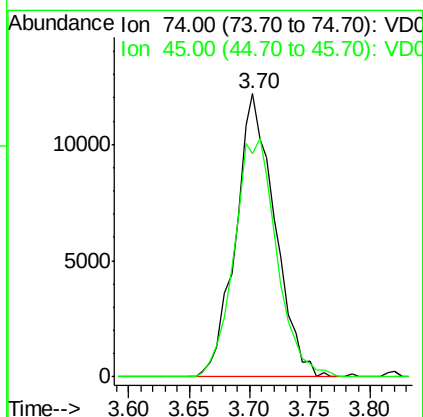
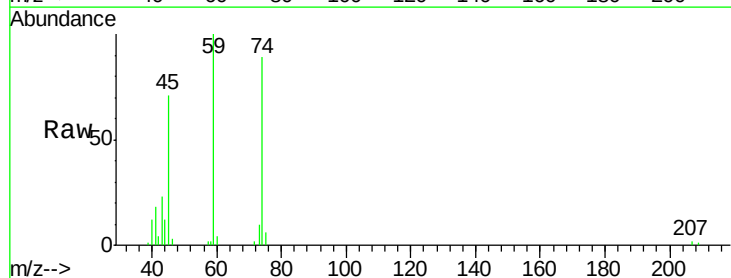
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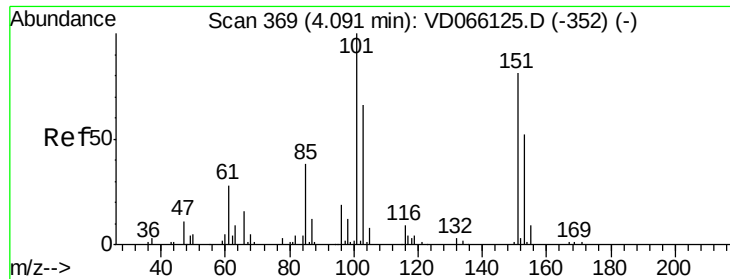


#8

Diethyl Ether
Concen: 18.860 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	27437		
45	91.5	48.4	145.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.276 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

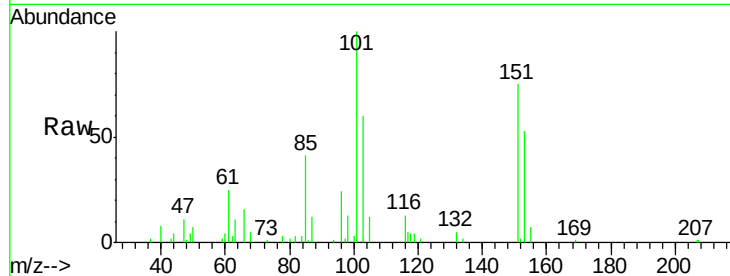
ClientSampleId :

VD0813SBS01

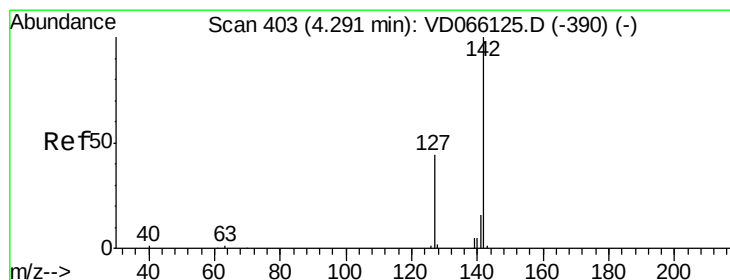
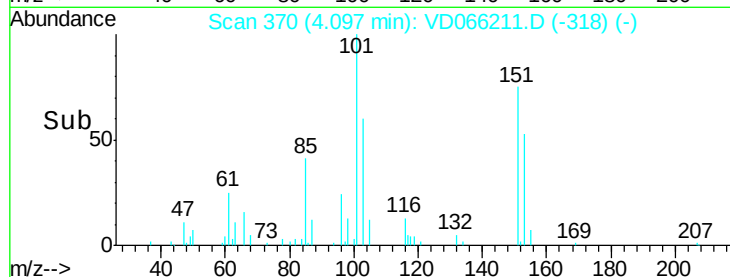
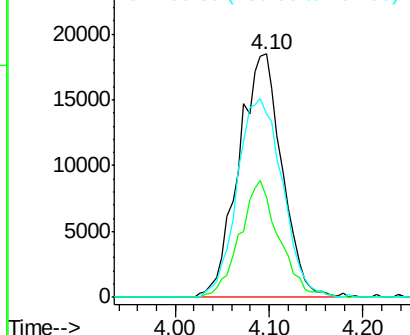
Tot Ion:	101	Resp:	58980
Ion Ratio	Lower	Upper	
101	100		
85	43.4	33.5	50.3
151	85.5	67.8	101.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 23.326 ug/l

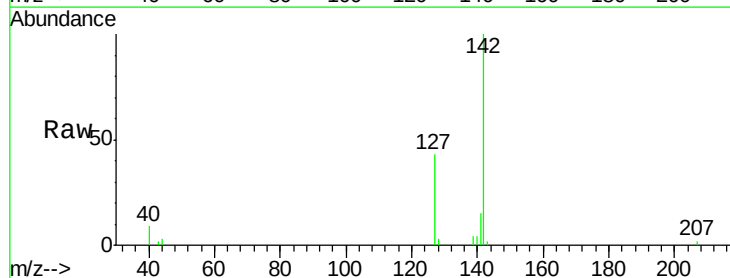
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

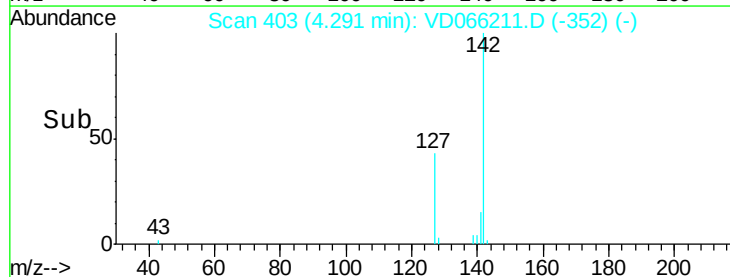
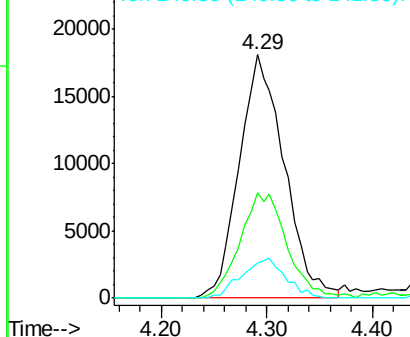
Lab File: VD066211.D

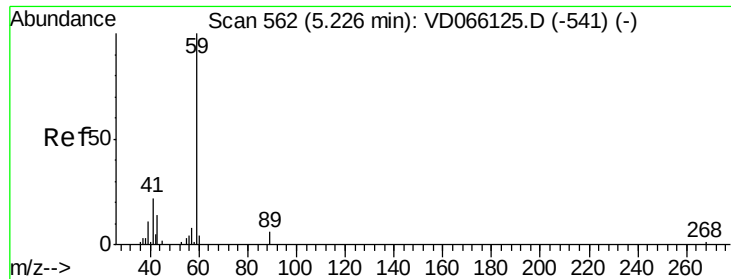
Acq: 13 Aug 2020 15:39

Tgt Ion:	142	Resp:	53458
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.2	54.4
141	16.1	12.6	18.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

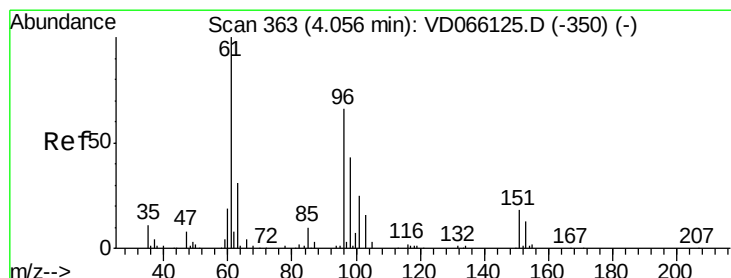
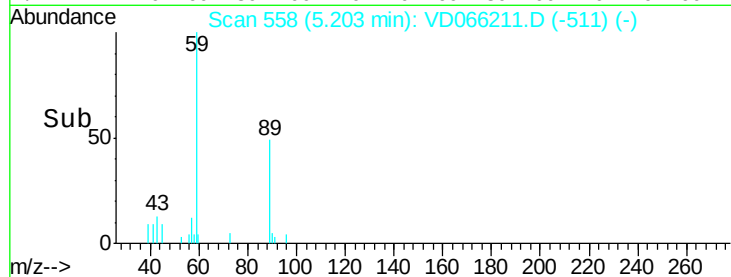
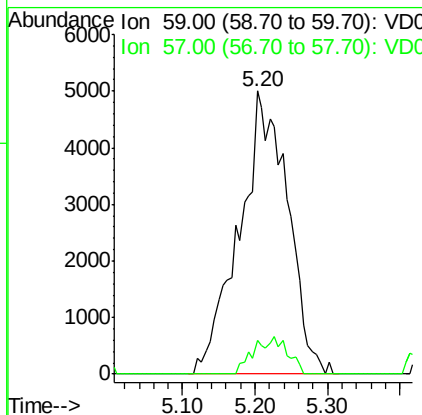
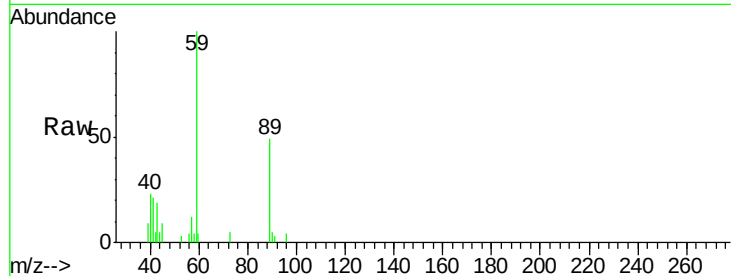
Tert butyl alcohol
 Concen: 81.032 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.0	10.4#

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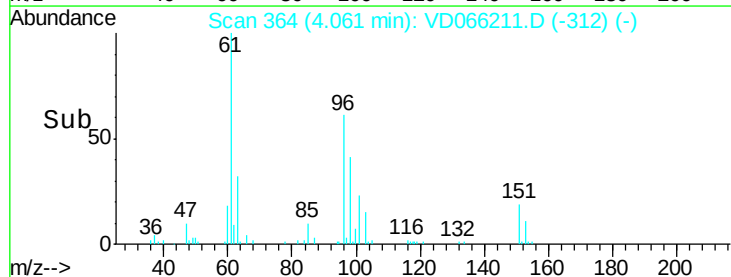
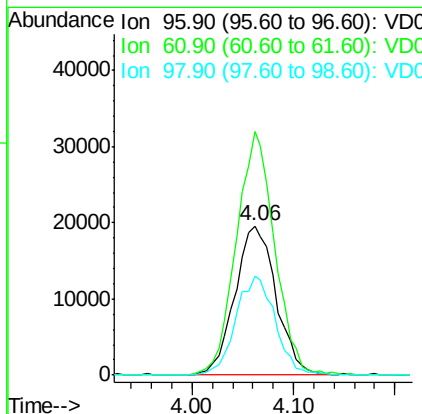
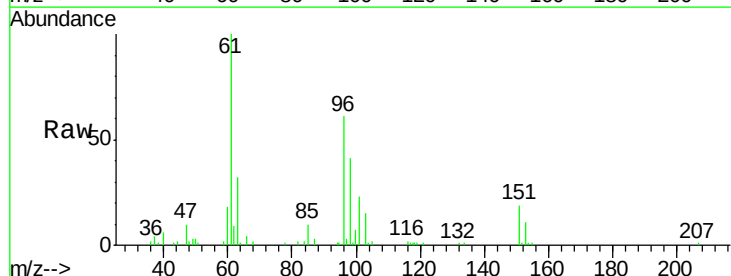
MMDadoda
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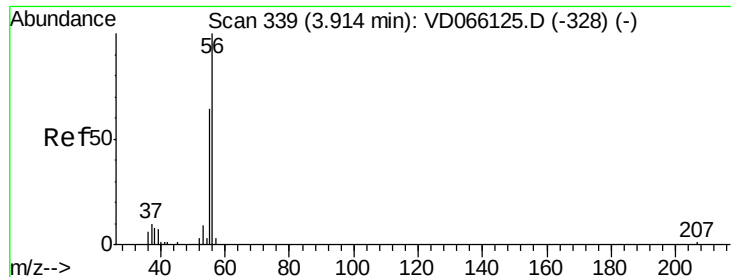


#12

1,1-Dichloroethene
 Concen: 19.052 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.1	121.6	182.4
98	66.2	52.0	78.0





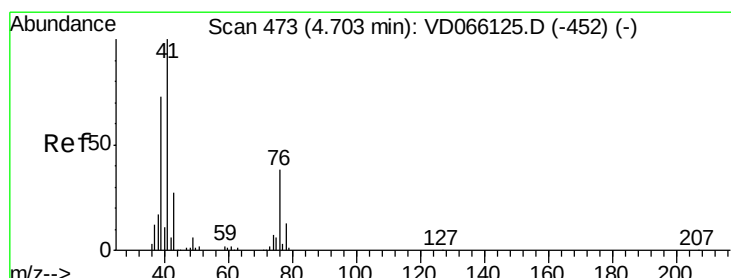
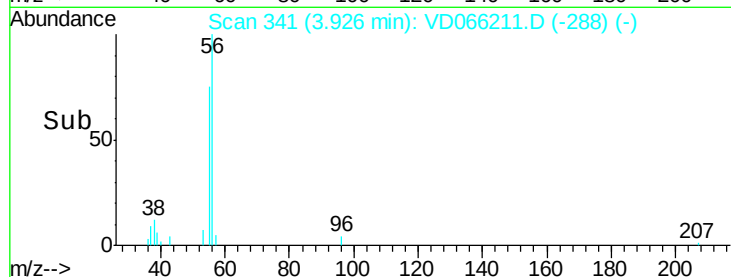
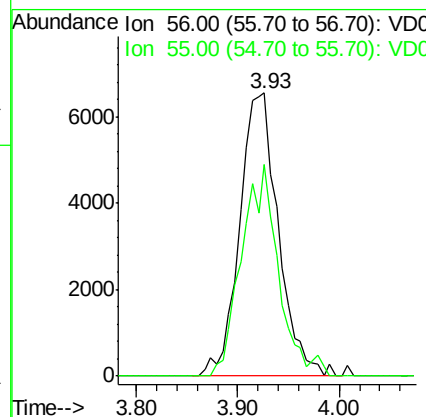
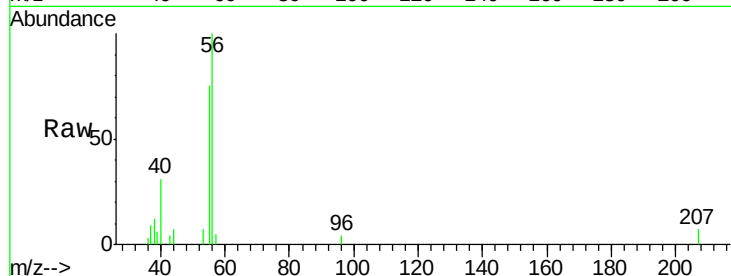
#13
Acrolein
Concen: 75.091 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion: 56 Resp: 17380
Ion Ratio Lower Upper
56 100
55 70.9 56.7 85.1

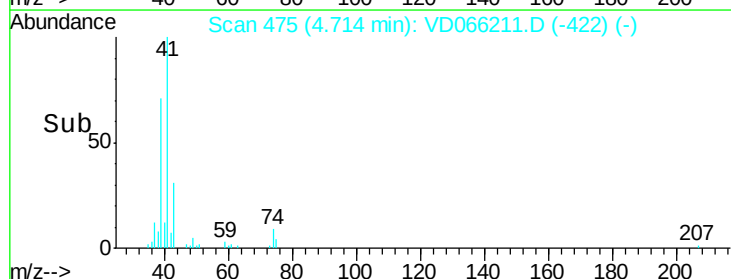
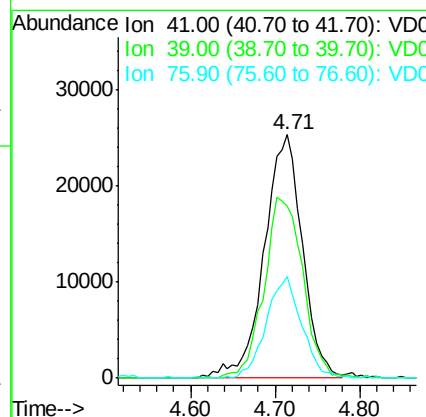
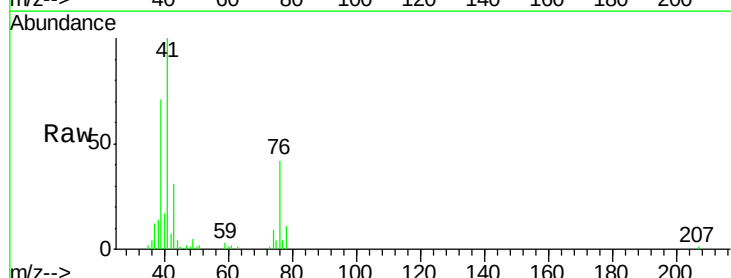
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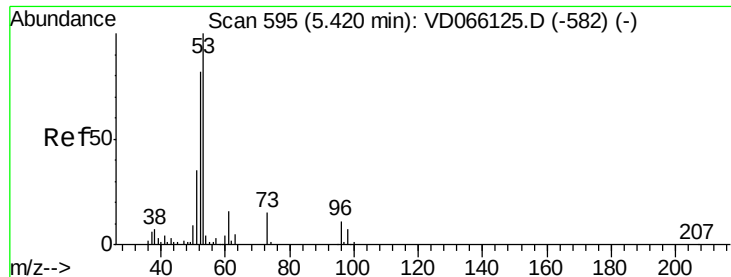
MMDadoda
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#14
Allyl chloride
Concen: 18.166 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion: 41 Resp: 79439
Ion Ratio Lower Upper
41 100
39 75.2 57.4 86.0
76 38.8 30.1 45.1





#15

Acrylonitrile

Concen: 95.837 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

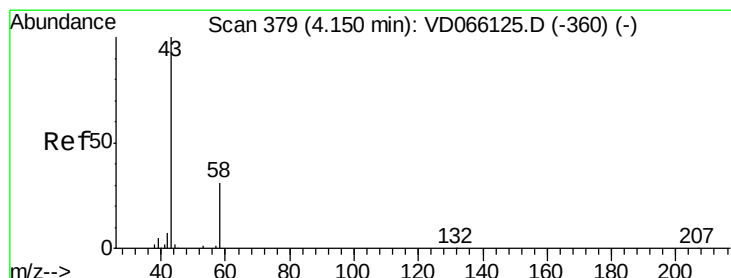
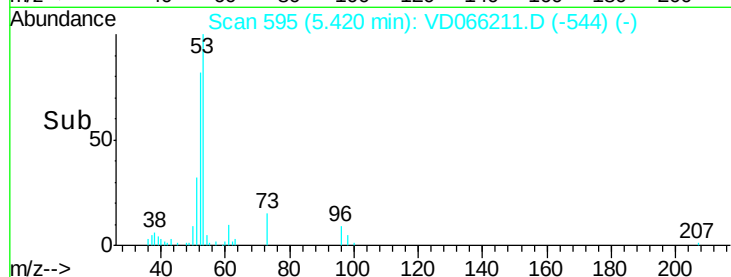
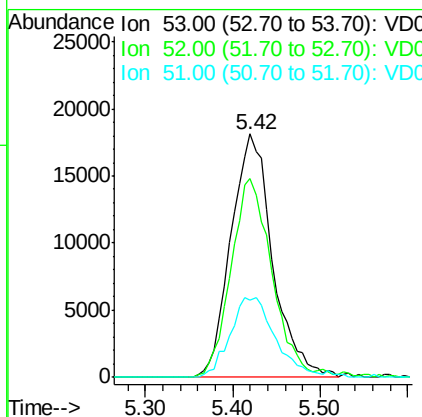
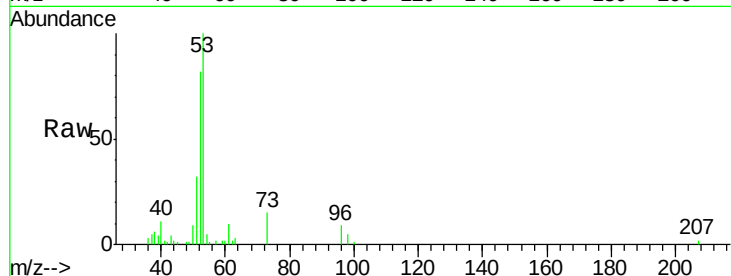
ClientSampleId :

VD0813SBS01

Tot Ion:	53	Resp:	58751
Ion Ratio	Lower	Upper	
53	100		
52	79.7	66.1	99.1
51	35.2	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 100.301 ug/l

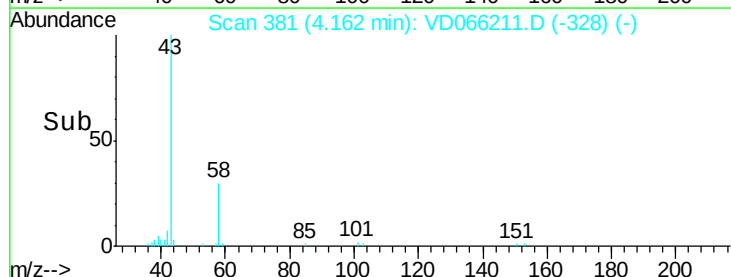
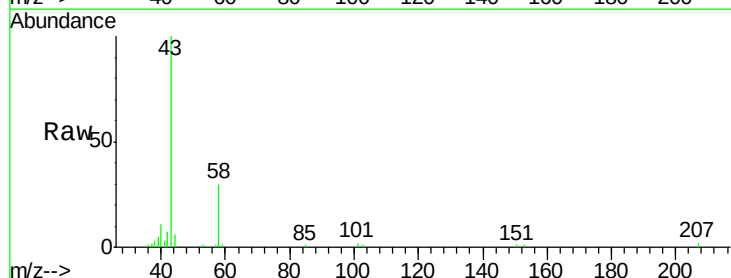
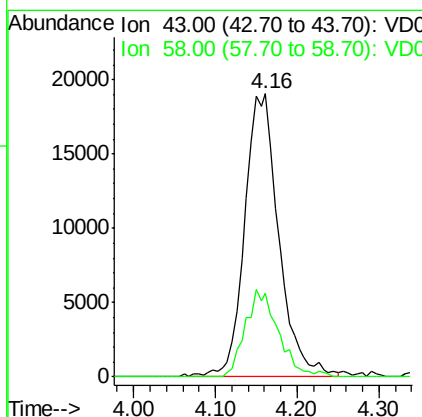
RT: 4.16 min Scan# 381

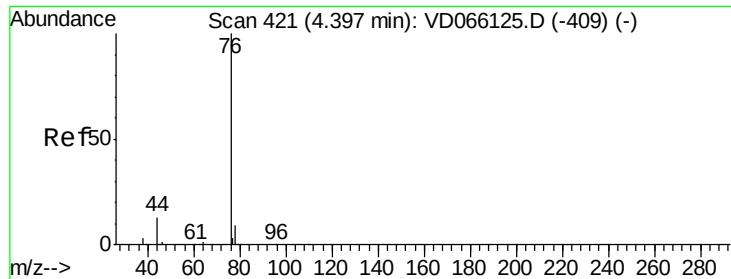
Delta R.T. 0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Tgt Ion:	43	Resp:	55339
Ion Ratio	Lower	Upper	
43	100		
58	29.6	24.7	37.1





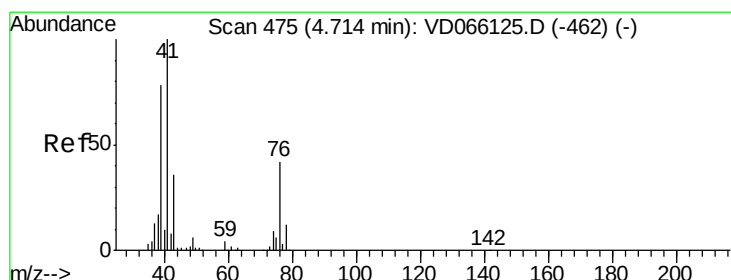
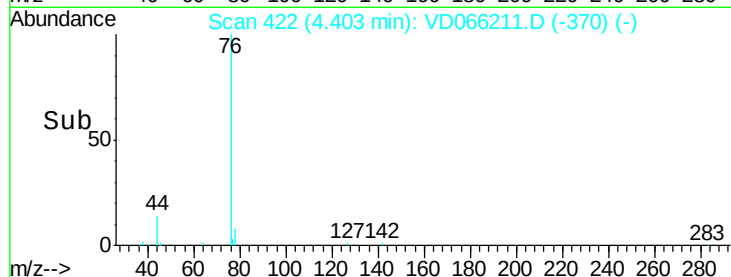
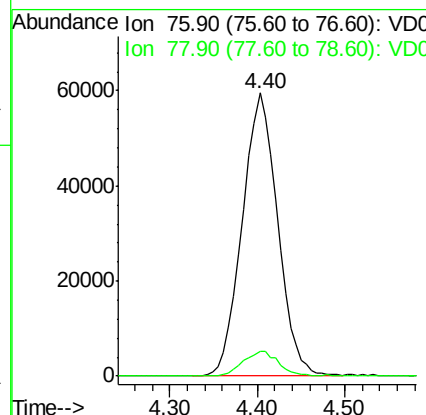
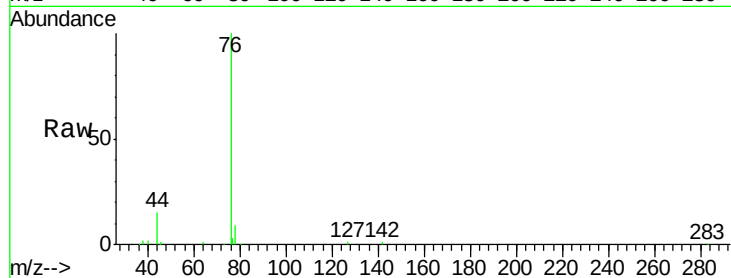
#17
Carbon Disulfide
Concen: 17.845 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.5	11.3

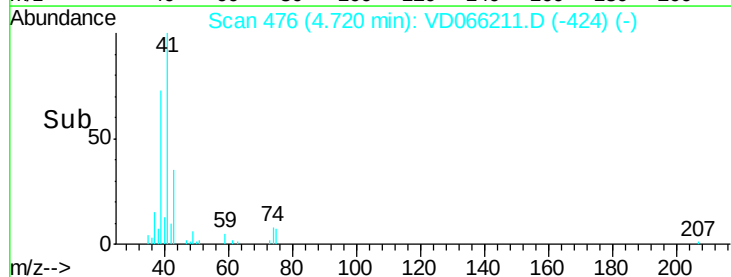
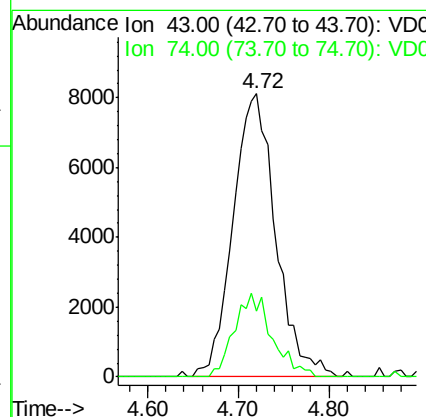
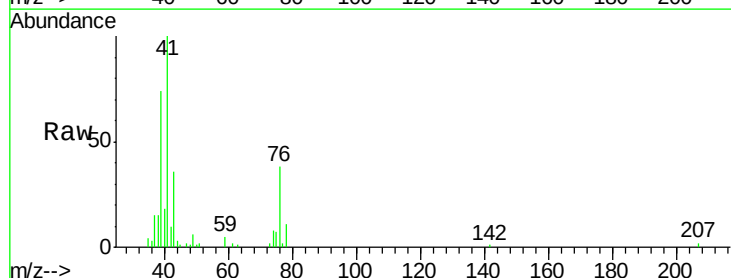
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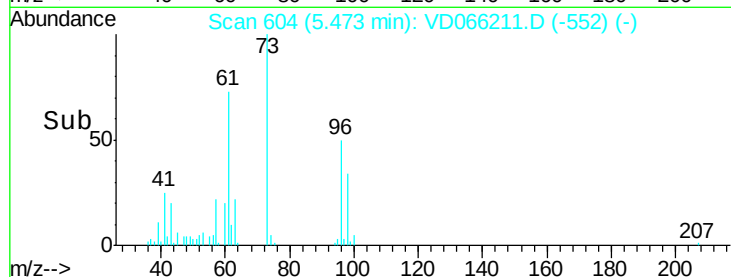
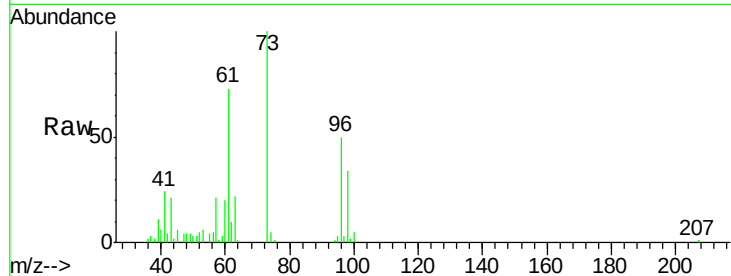
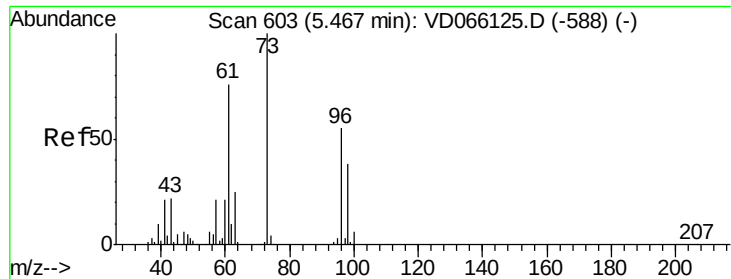
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#18
Methyl Acetate
Concen: 18.918 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.2	31.8





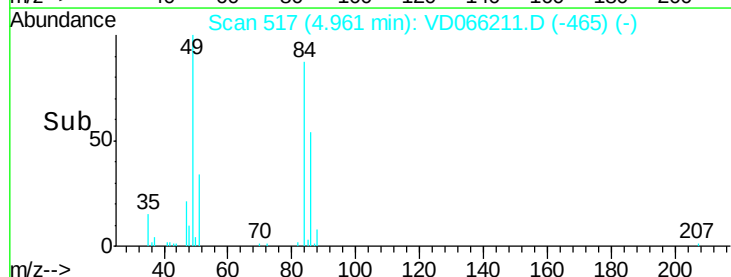
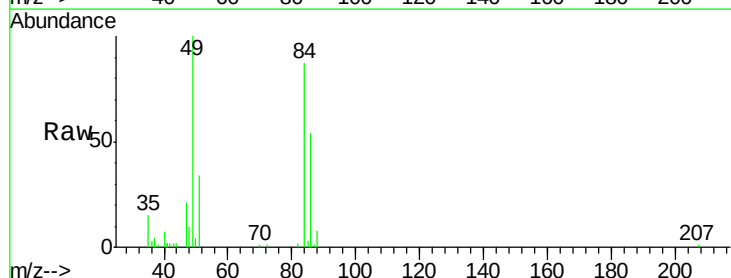
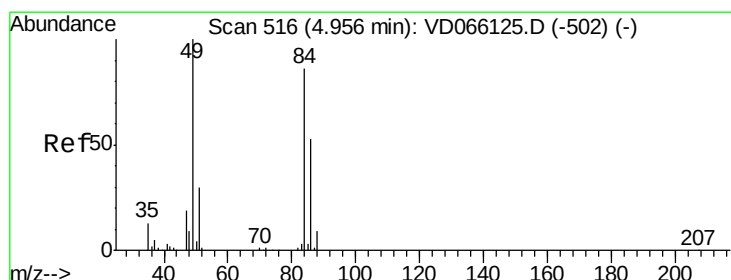
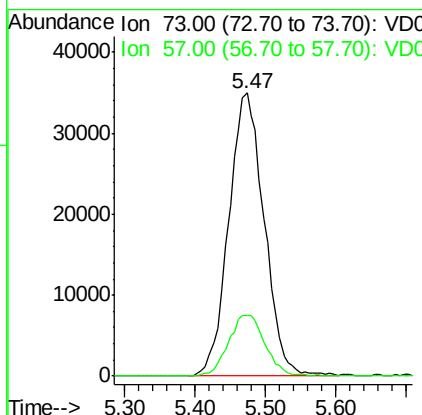
#19
Methyl tert-butyl Ether
Concen: 18.431 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tot Ion: 73 Resp: 121937
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

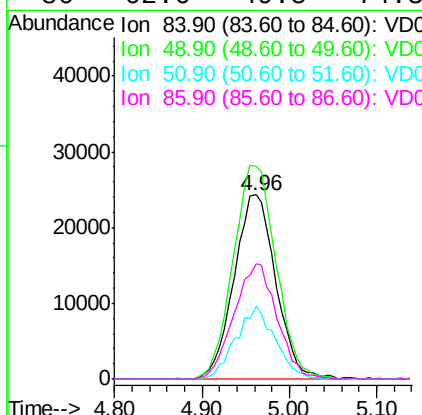
Manual Integrations
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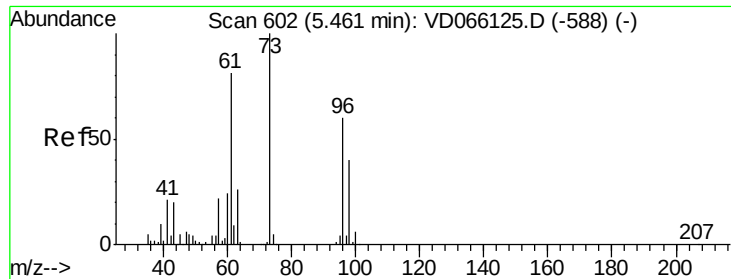
MMDadoda
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#20
Methylene Chloride
Concen: 22.348 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion: 84 Resp: 78985
Ion Ratio Lower Upper
84 100
49 115.4 93.5 140.3
51 39.5 28.2 42.4
86 62.6 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 17.950 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

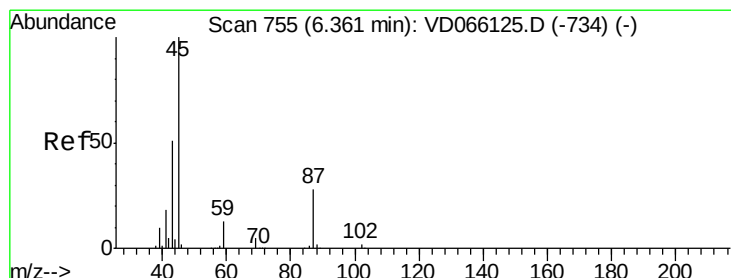
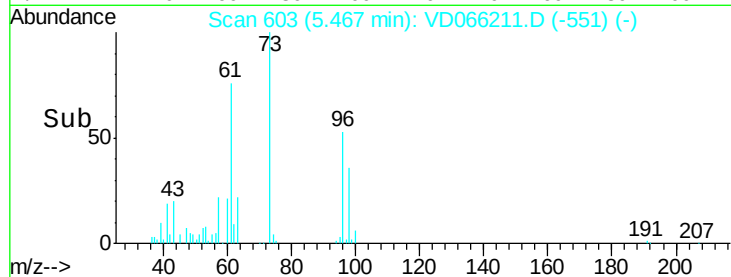
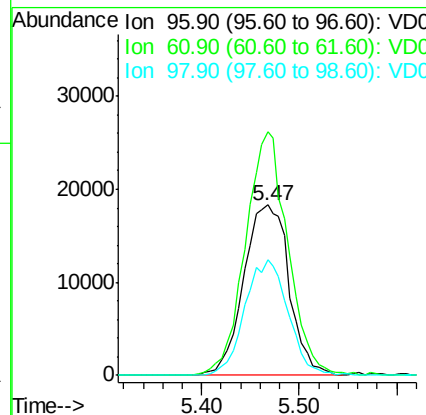
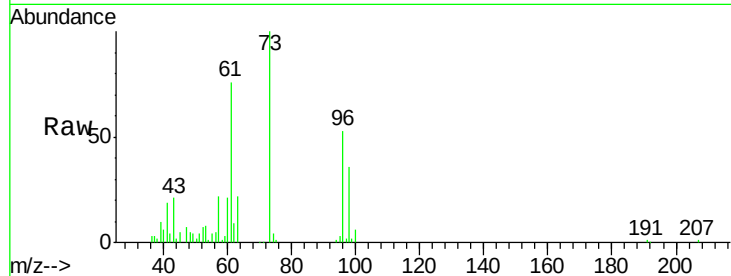
ClientSampleId :

VD0813SBS01

Tot Ion:	96	Resp:	59519
Ion	Ratio	Lower	Upper
96	100		
61	142.8	106.9	160.3
98	67.9	53.4	80.0

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#22

Diisopropyl ether

Concen: 18.663 ug/l

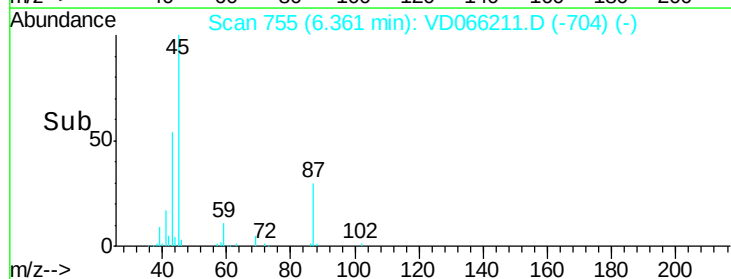
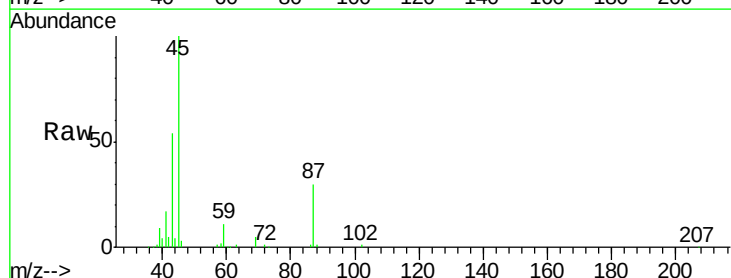
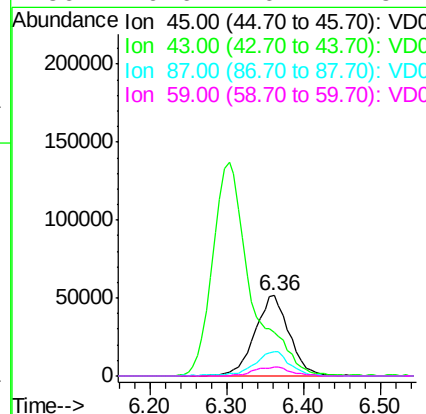
RT: 6.36 min Scan# 755

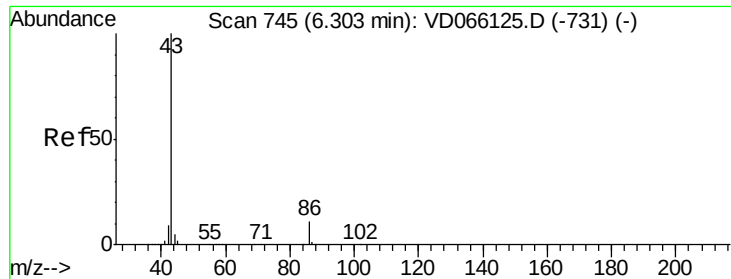
Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Tgt Ion:	45	Resp:	161389
Ion	Ratio	Lower	Upper
45	100		
43	52.8	41.2	61.8
87	30.3	22.8	34.2
59	10.6	10.2	15.2





#23

Vinyl Acetate

Concen: 92.742 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 43 Resp: 469837

Ion Ratio Lower Upper

43 100

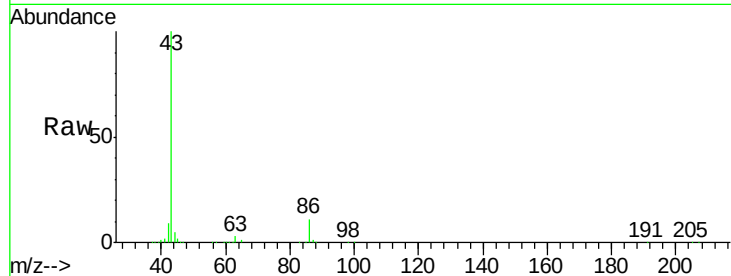
86 11.0 9.1 13.7

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

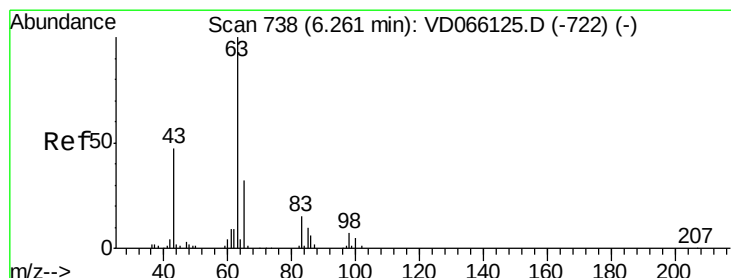
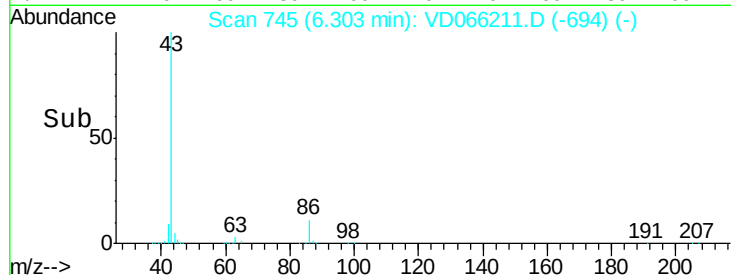
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.503 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

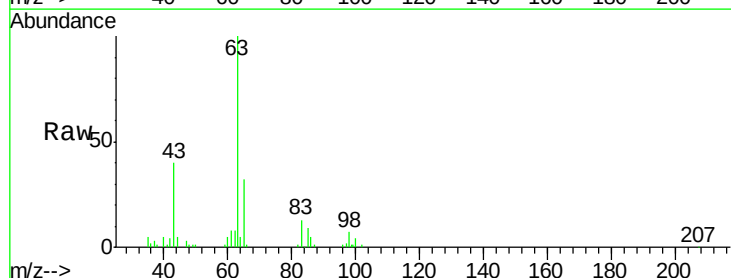
Tgt Ion: 63 Resp: 99021

Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.5

100 4.3 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

40000

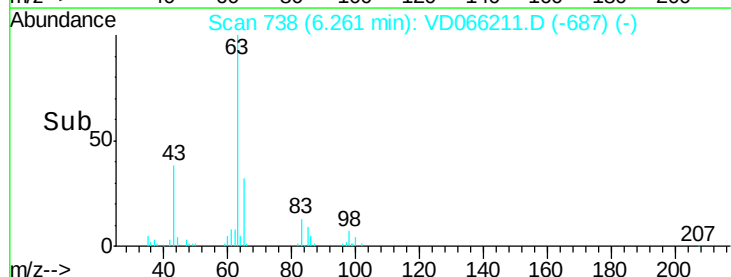
30000

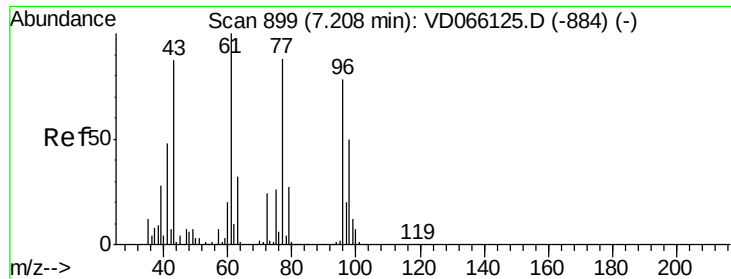
20000

10000

0

Time-->





#25

2-Butanone

Concen: 90.840 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 43 Resp: 73716

Ion Ratio Lower Upper

43 100

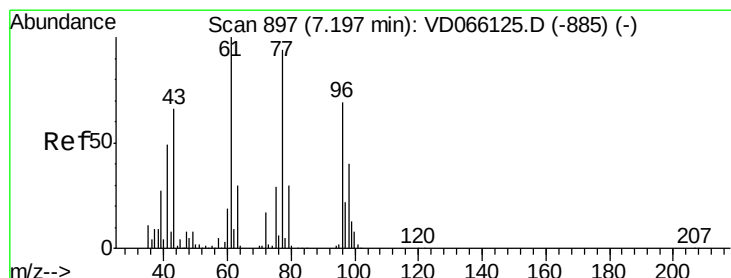
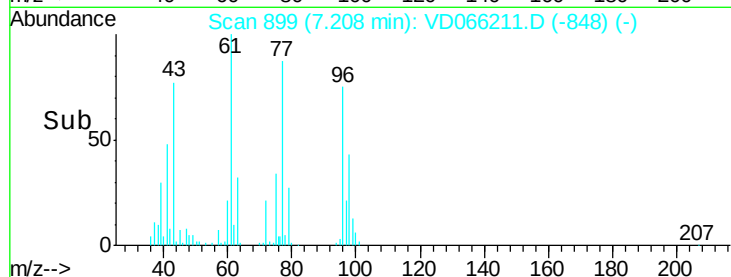
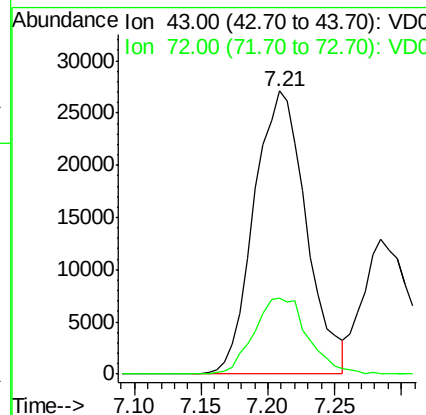
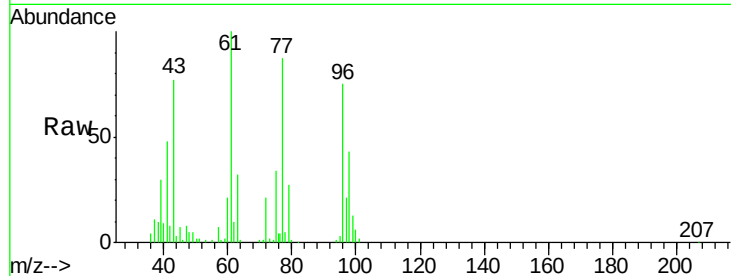
72 26.8 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.440 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066211.D

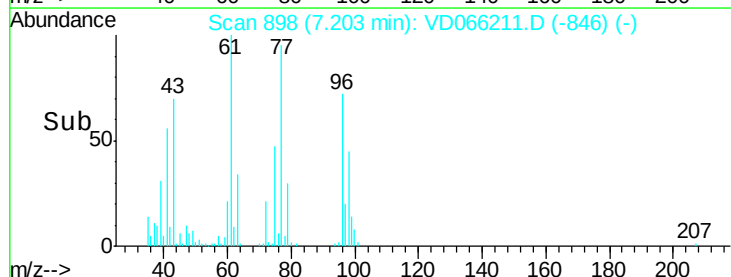
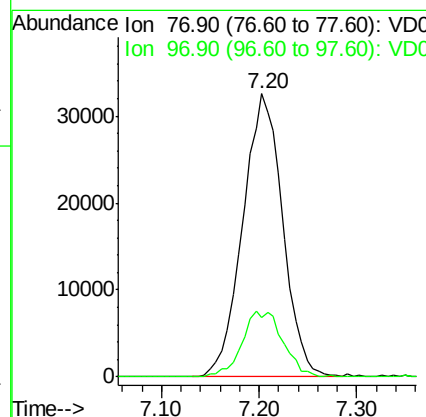
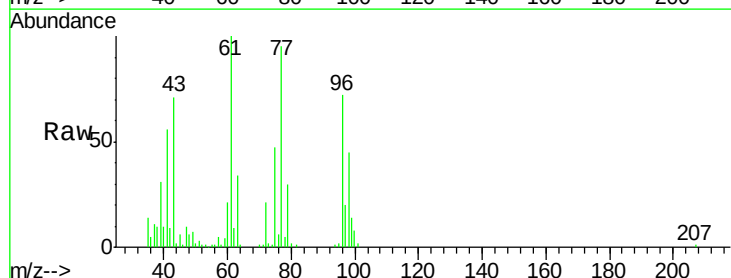
Acq: 13 Aug 2020 15:39

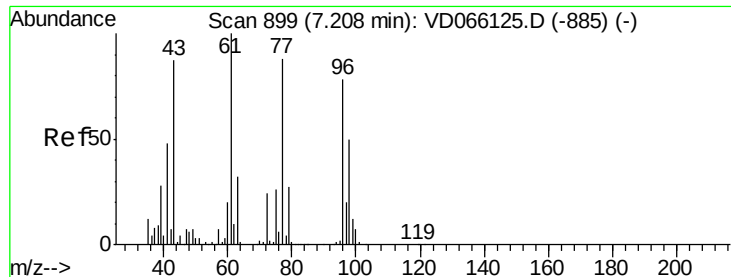
Tgt Ion: 77 Resp: 93246

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3





#27

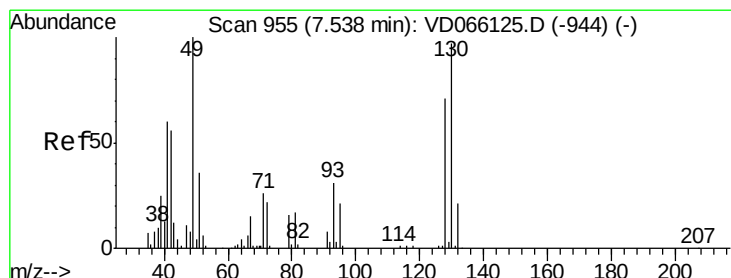
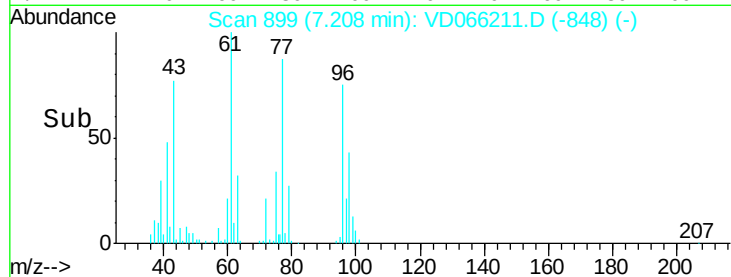
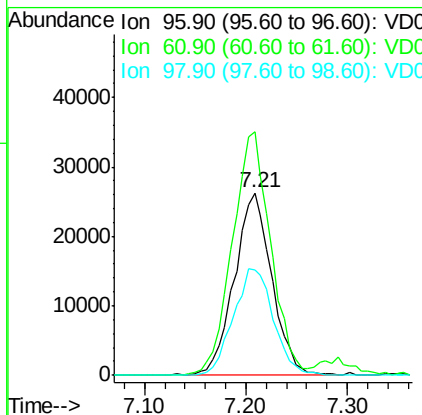
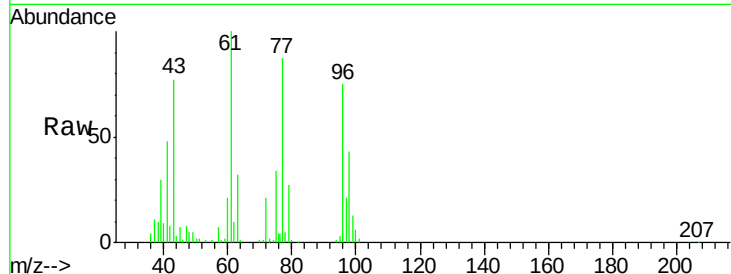
cis-1,2-Dichloroethene
Concen: 19.385 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		67421		
61	136.3	0.0	281.6		
98	62.2	0.0	130.8		

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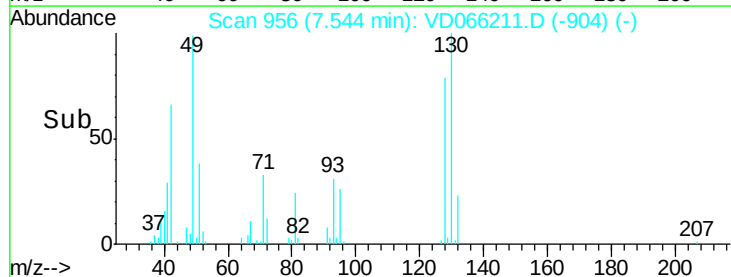
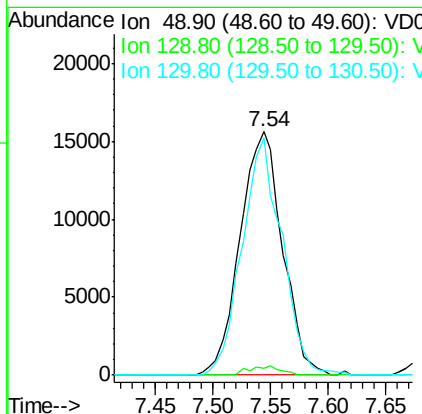
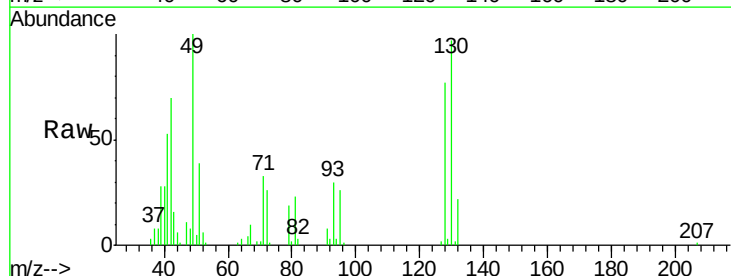
MMDadoda
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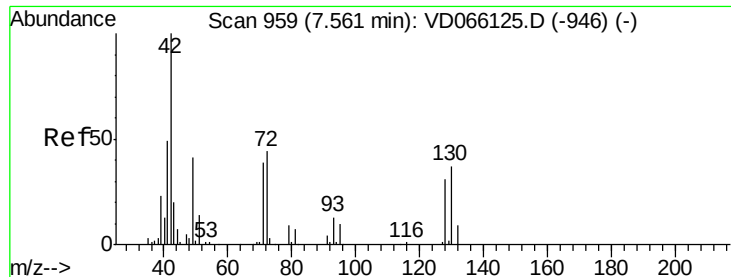


#28

Bromochloromethane
Concen: 21.284 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		40006		
129	2.8	0.0	6.0		
130	91.3	73.8	110.6		





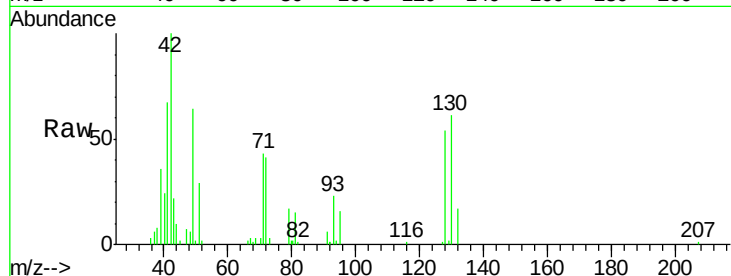
#29
Tetrahydrofuran
Concen: 90.741 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

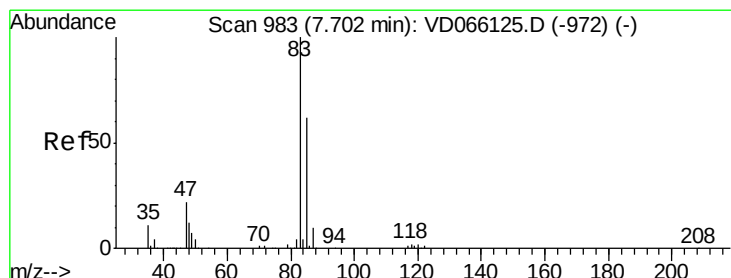
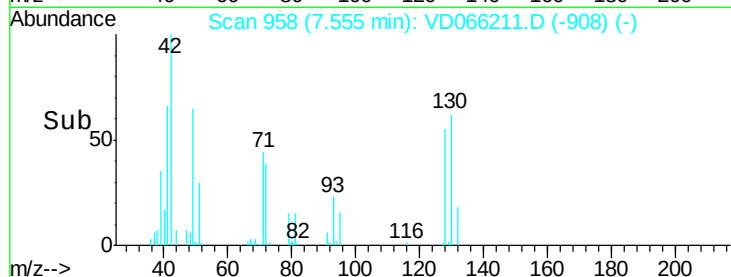
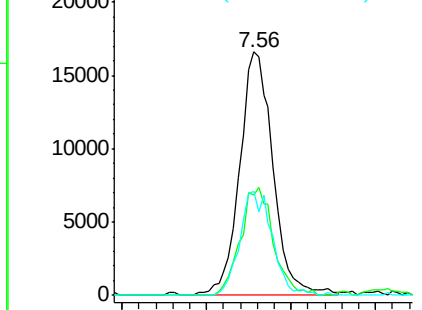
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.8	52.2
71	41.3	33.5	50.3

Manual Integrations
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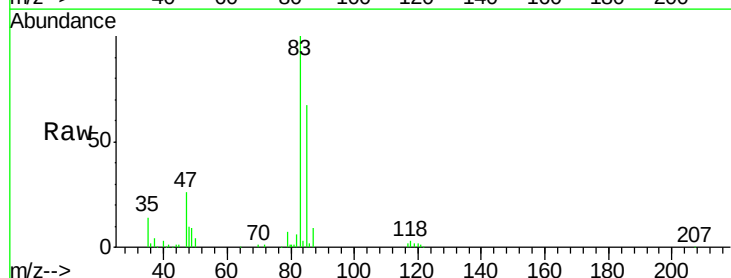


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

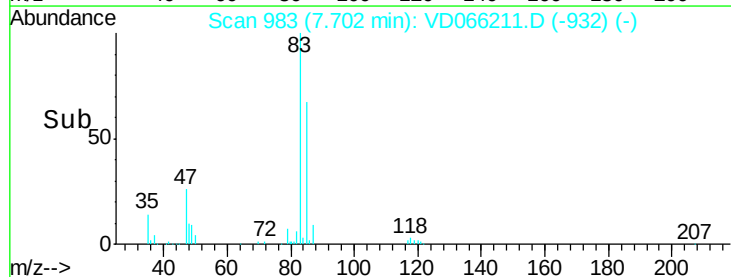
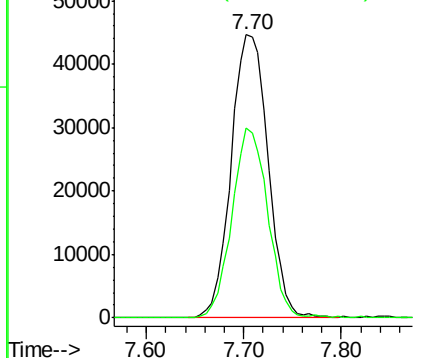


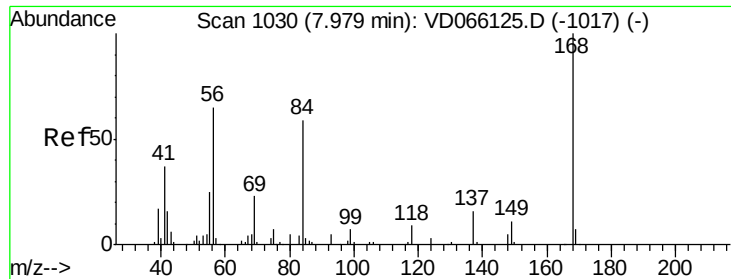
#30
Chloroform
Concen: 20.809 ug/l
RT: 7.70 min Scan# 983
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	49.5	74.3



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





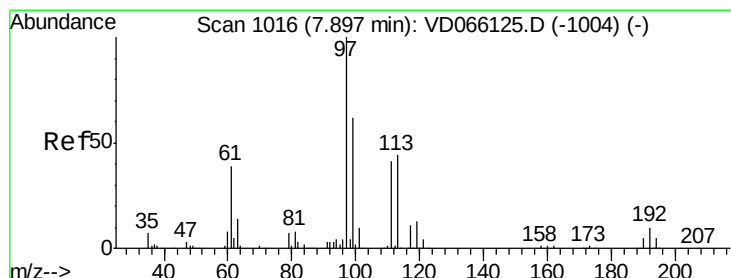
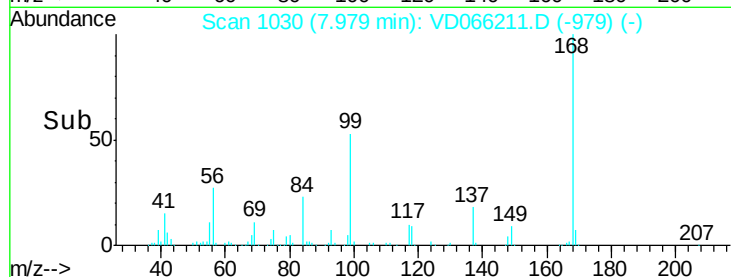
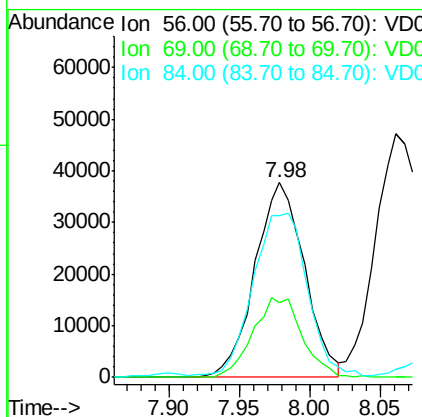
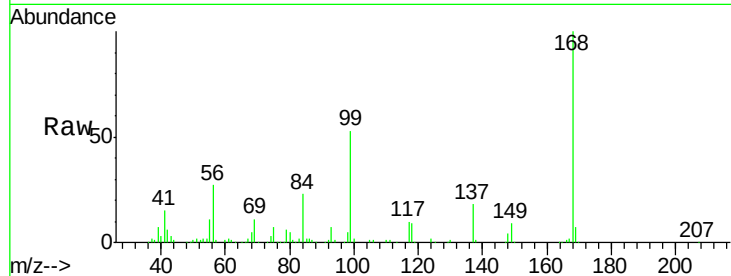
#31
Cyclohexane
Concen: 18.208 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.7	28.8	43.2
84	82.6	73.0	109.6

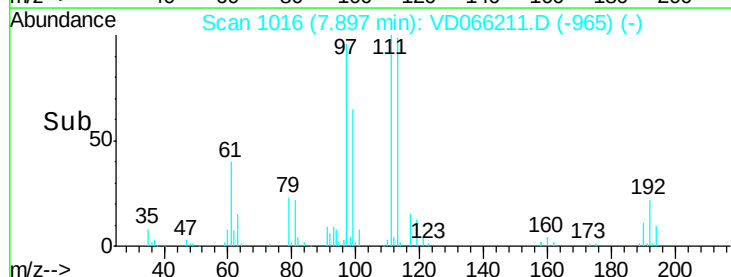
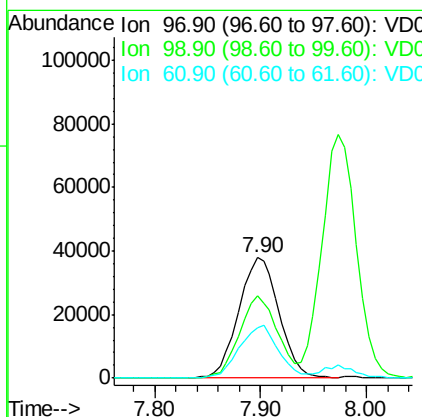
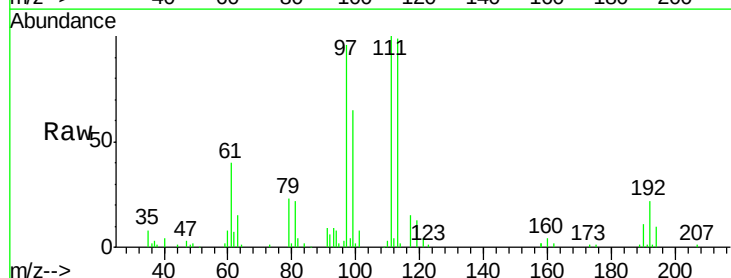
Manual Integrations
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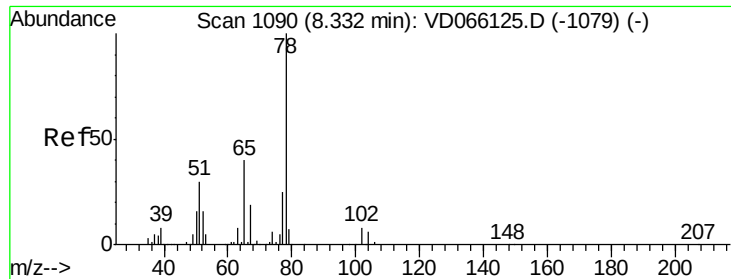
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 19.088 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.1	76.7
61	42.5	32.7	49.1





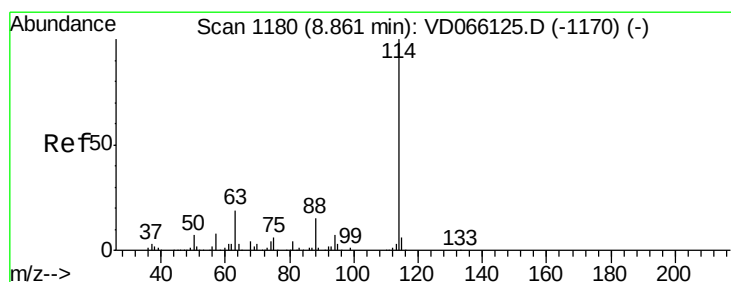
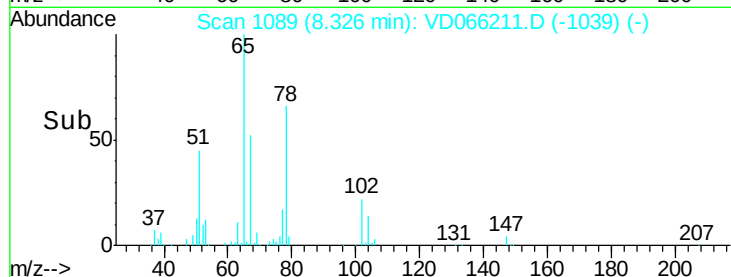
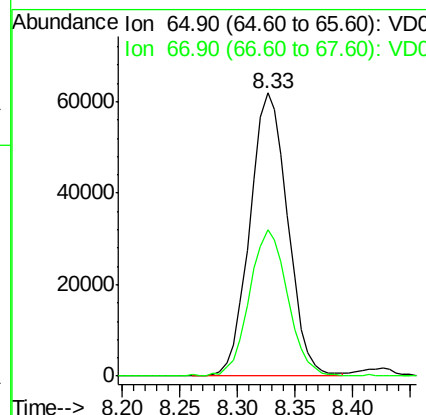
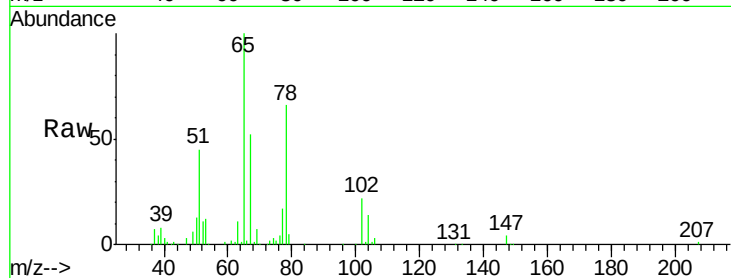
#33
 1,2-Dichloroethane-d4
 Concen: 48.575 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	141246		
67	52.8	0.0	104.6	

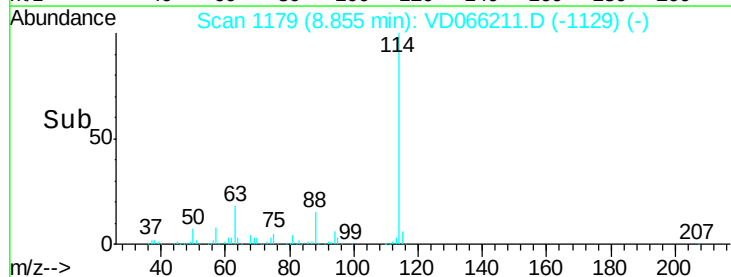
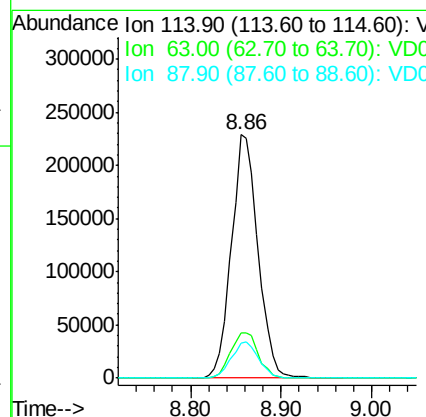
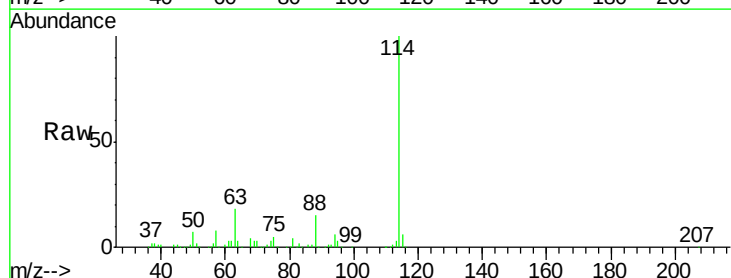
Manual Integrations
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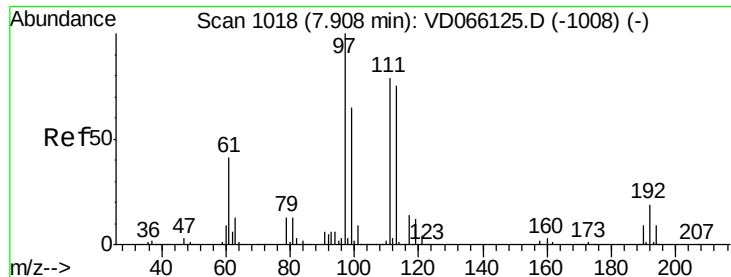
MMDadoda
 8/14/2020 5:11:55 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	466377		
63	18.4	0.0	38.6	
88	14.6	0.0	30.0	





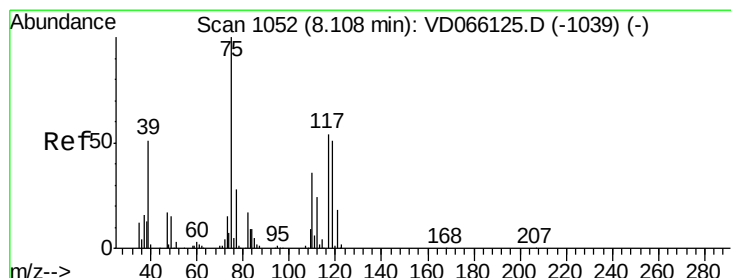
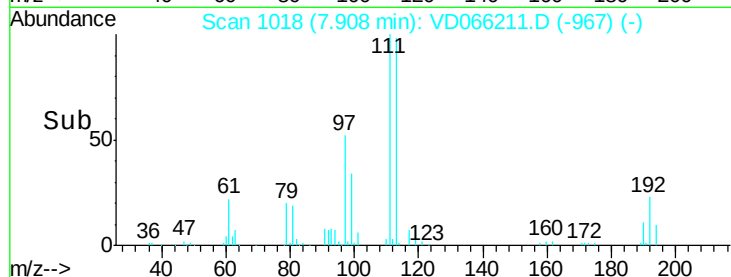
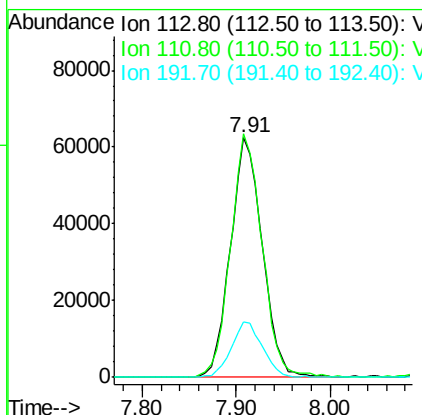
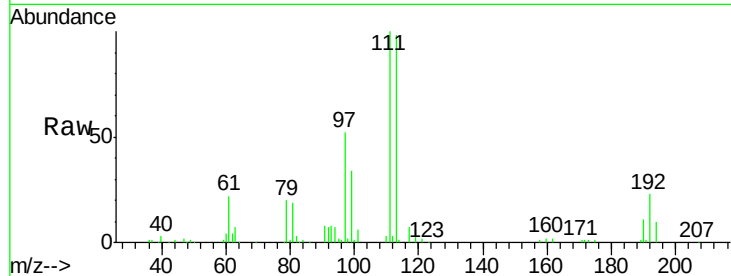
#35
 Dibromofluoromethane
 Concen: 49.899 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	147424		
111	100.3	80.7	121.1	
192	22.6	18.4	27.6	

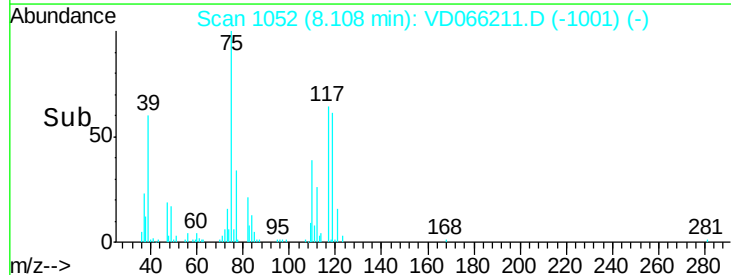
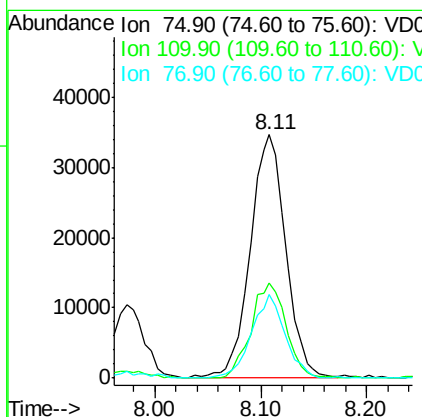
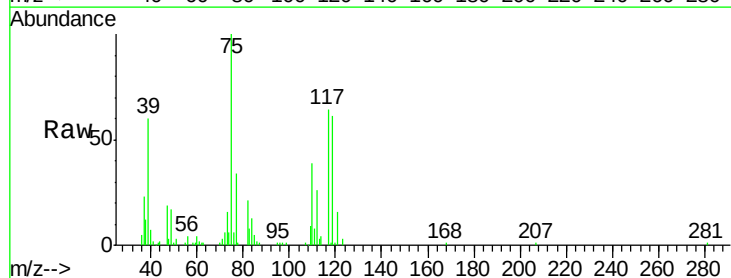
Manual Integrations
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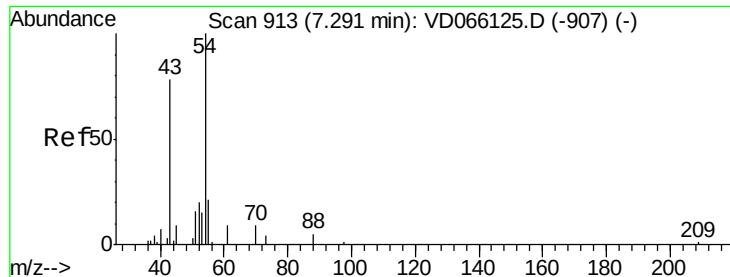
MMDadoda
 8/14/2020 5:11:55 PM



#36
 1,1-Dichloropropene
 Concen: 18.524 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81181		
110	38.2	18.8	56.3	
77	32.1	24.2	36.2	





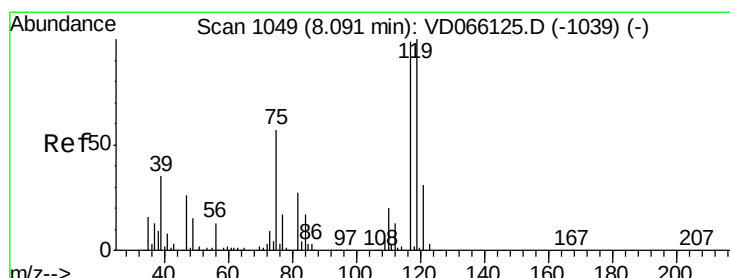
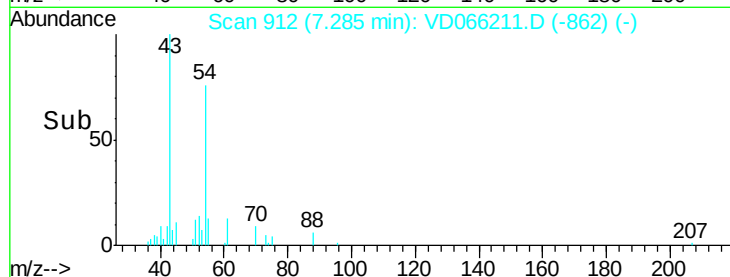
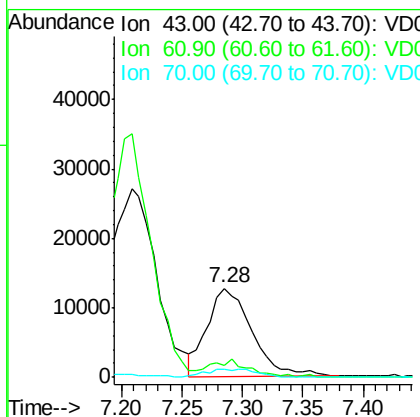
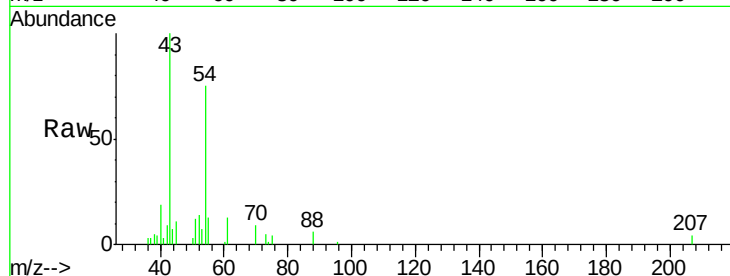
#37
Ethyl Acetate
Concen: 18.717 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	12.0	18.0
70	11.0	9.7	14.5

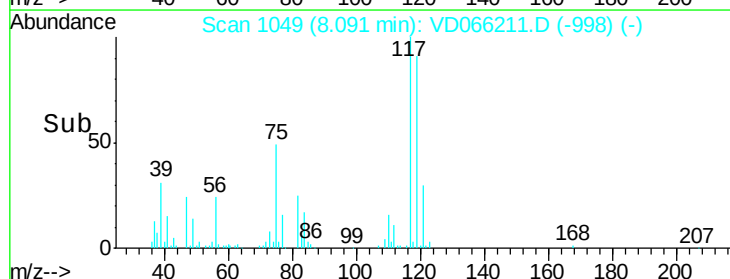
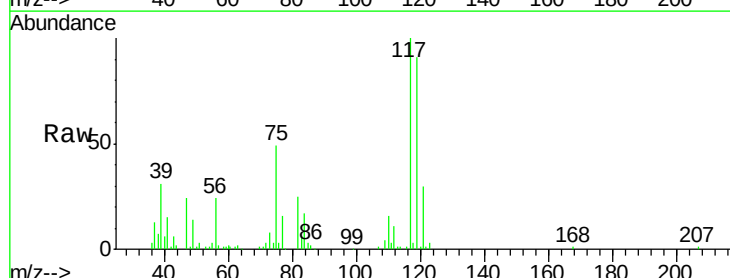
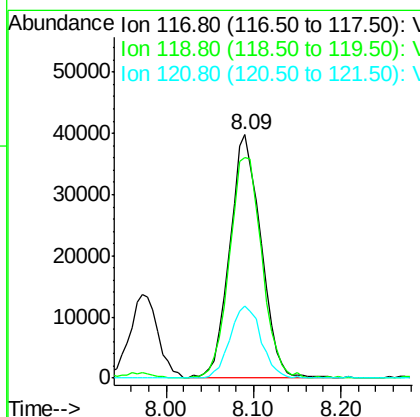
Manual Integrations
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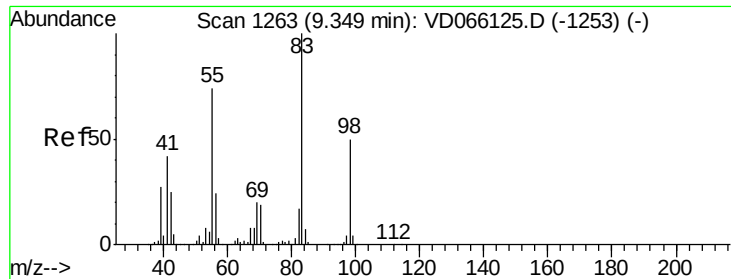
MMDadoda
8/14/2020 5:11:55 PM



#38
Carbon Tetrachloride
Concen: 19.777 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.5	81.0	121.4
121	29.7	24.8	37.2





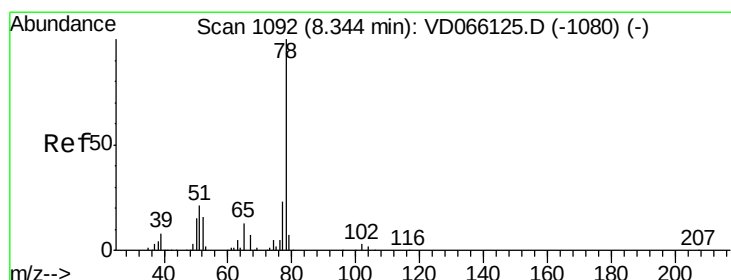
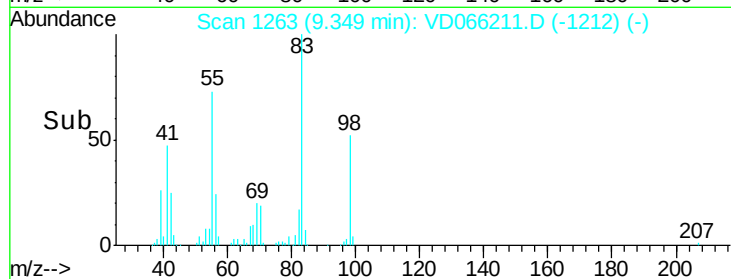
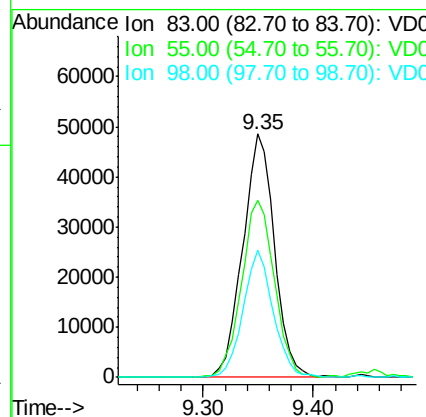
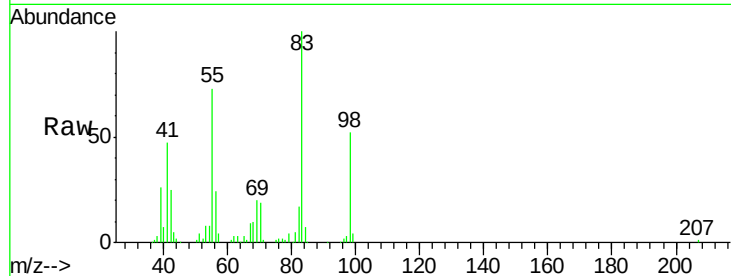
#39
Methylvlcyclohexane
Concen: 18.561 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	83	Resp	98331
Ion Ratio	Lower	Upper	
83	100		
55	72.9	59.2	88.8
98	52.2	39.8	59.6

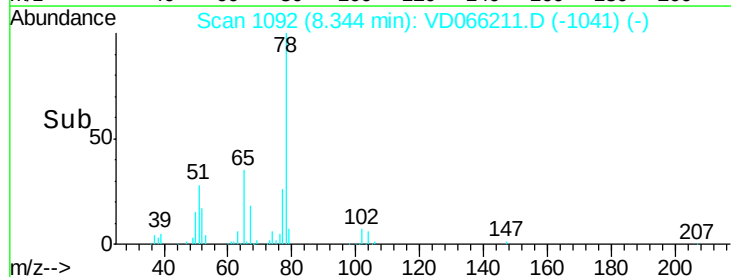
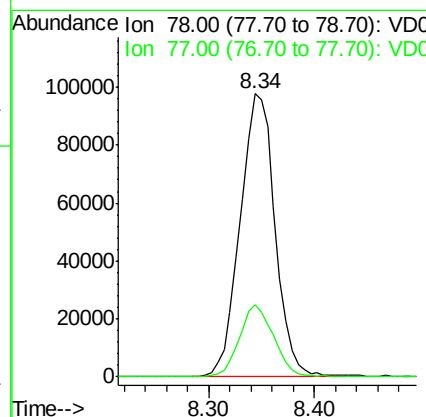
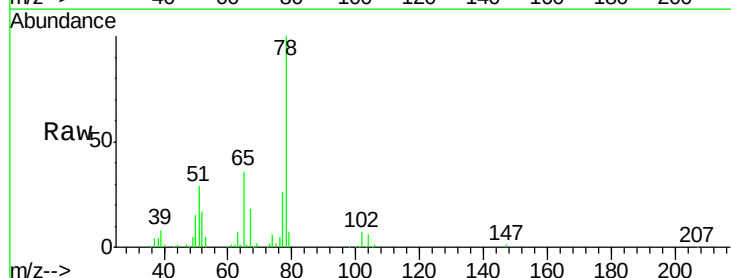
Manual Integrations
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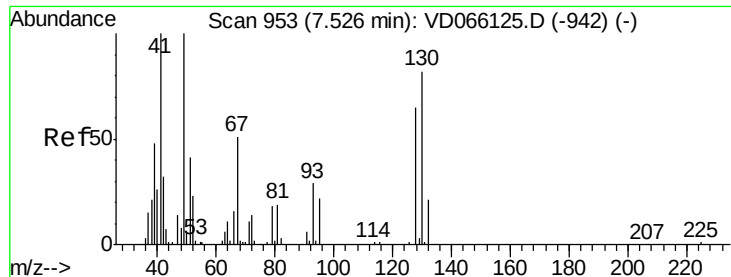
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#40
Benzene
Concen: 18.454 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	78	Resp	224359
Ion Ratio	Lower	Upper	
78	100		
77	25.7	18.6	27.8





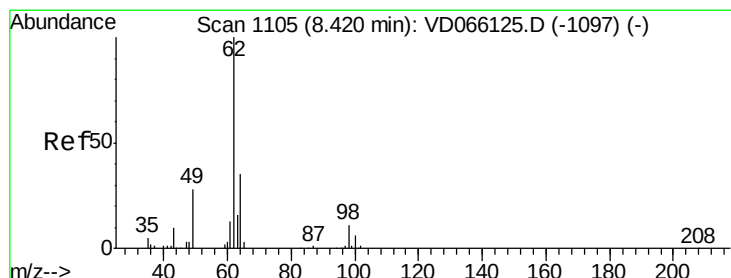
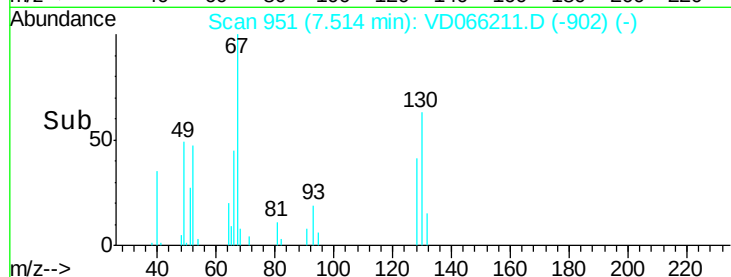
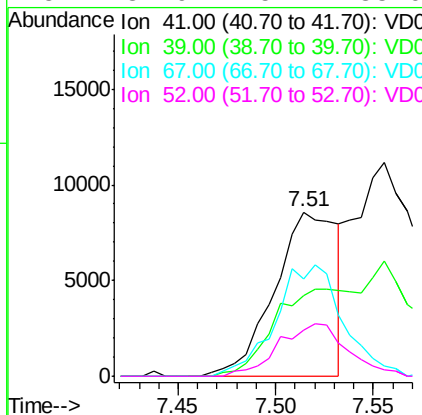
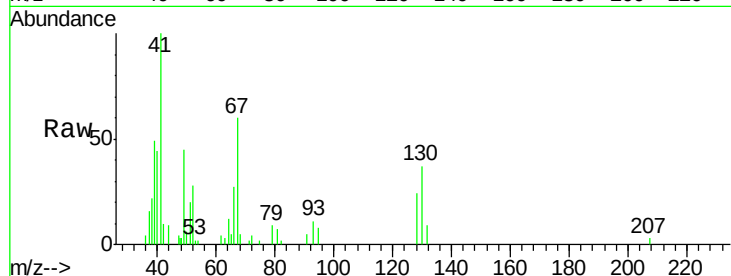
#41
Methacrylonitrile
Concen: 18.745 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	41	Resp	19138
Ion	Ratio	Lower	Upper
41	100		
39	63.7	47.5	71.3
67	72.8	59.1	88.7
52	34.9	25.4	38.0

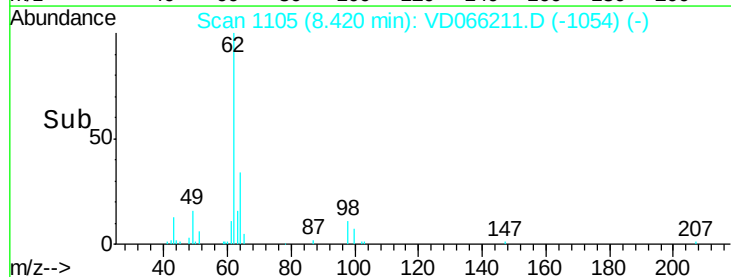
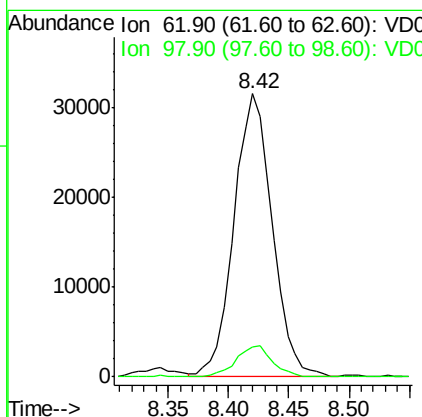
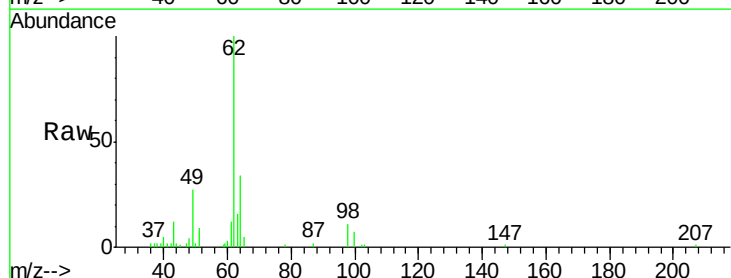
Manual Integrations
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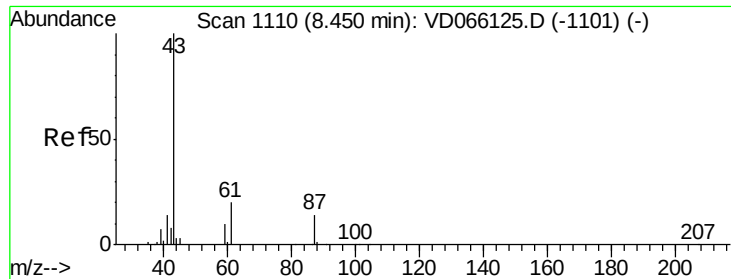
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#42
1,2-Dichloroethane
Concen: 19.613 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	62	Resp	70048
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.4





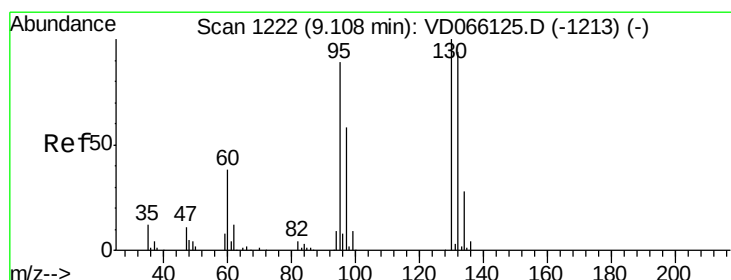
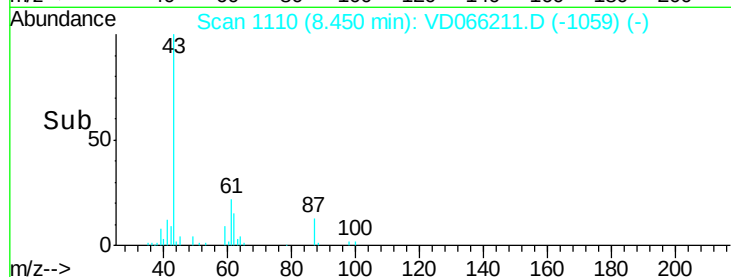
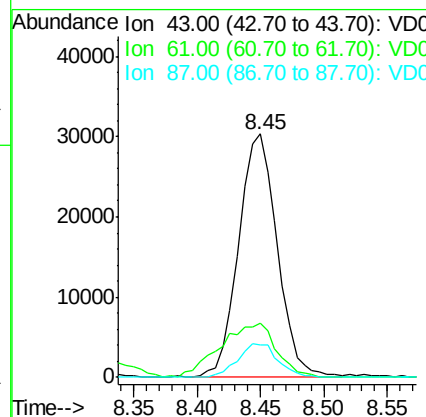
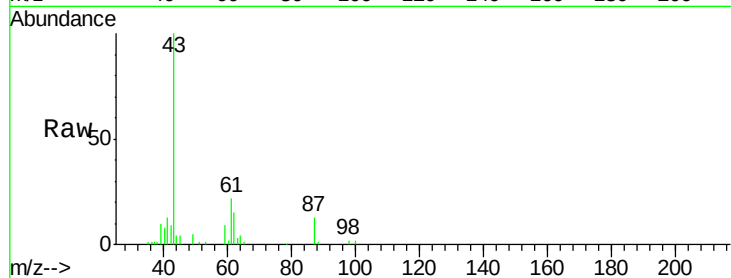
#43
Isopropyl Acetate
Concen: 18.847 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	43	Resp	64479
Ion Ratio	100	Lower	Upper
61	32.1	25.5	38.3
87	14.3	11.2	16.8

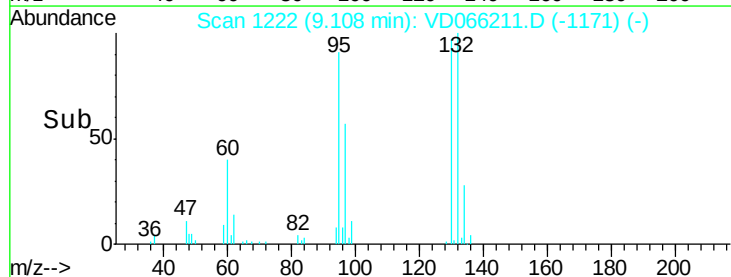
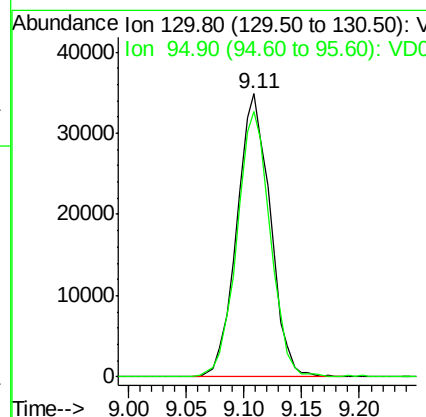
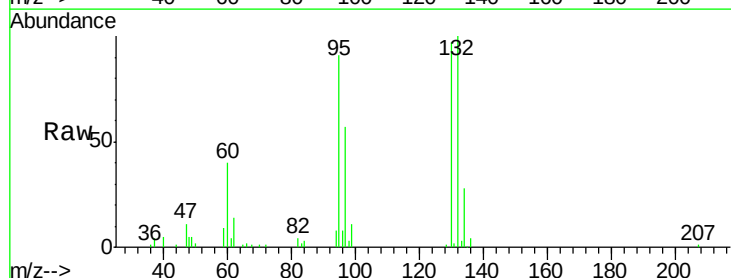
Manual Integrations
APPROVED

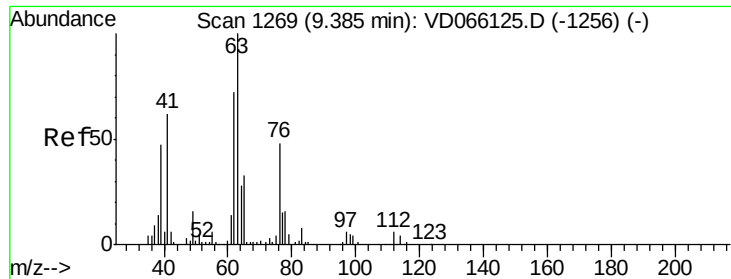
MMDadoda
8/14/2020 5:11:55 PM



#44
Trichloroethene
Concen: 19.060 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	130	Resp	69826
Ion Ratio	100	Lower	Upper
95	93.7	0.0	178.4





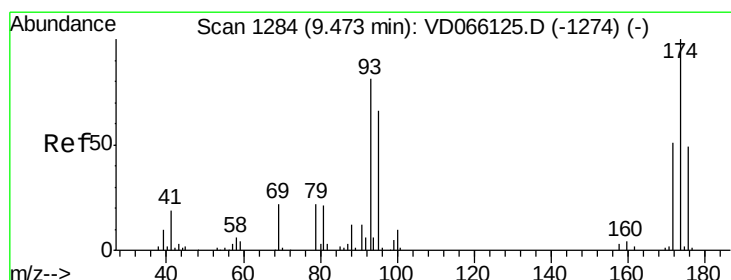
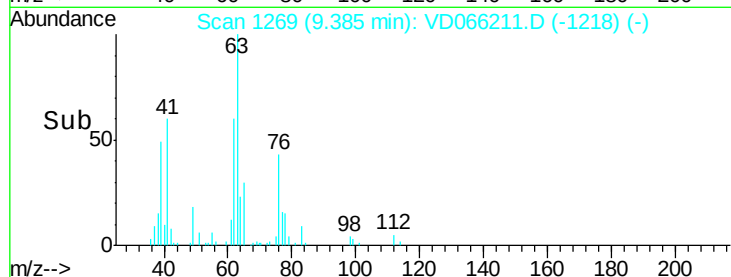
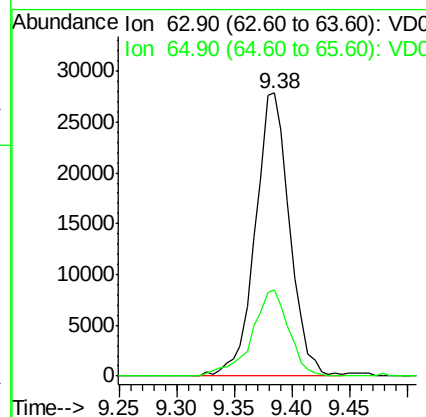
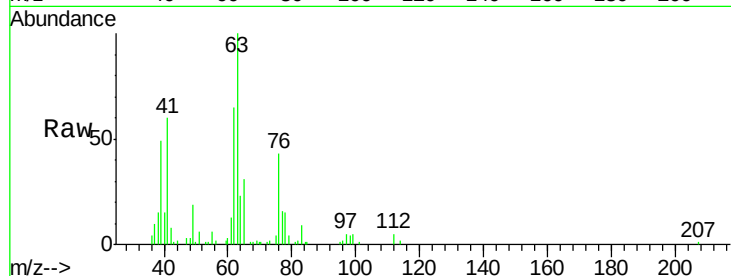
#45
 1,2-Dichloropropane
 Concen: 19.441 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	26.5	39.7

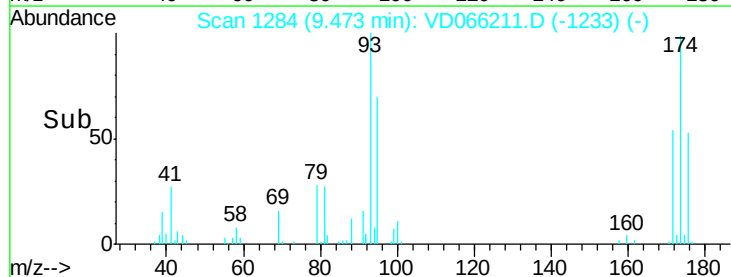
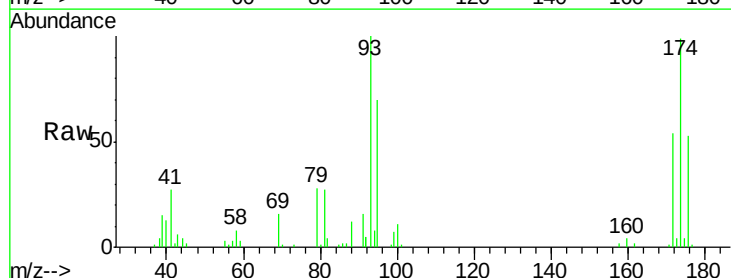
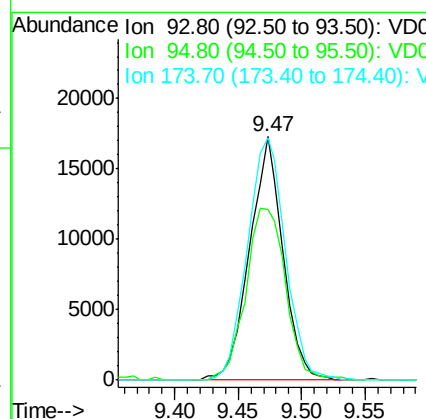
Manual Integrations
 APPROVED

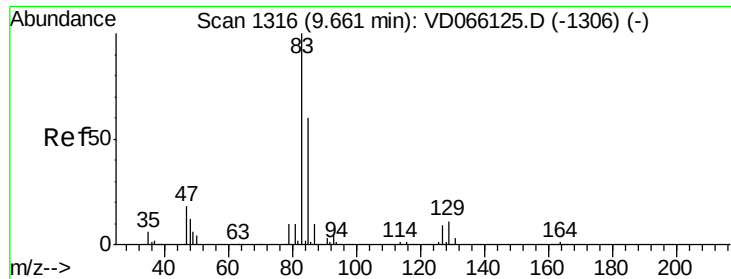
MMDadoda
 8/14/2020 5:11:55 PM



#46
 Dibromomethane
 Concen: 19.323 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.8	65.8	98.6
174	113.3	92.8	139.2





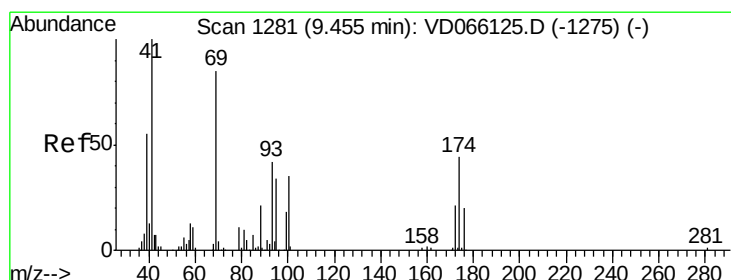
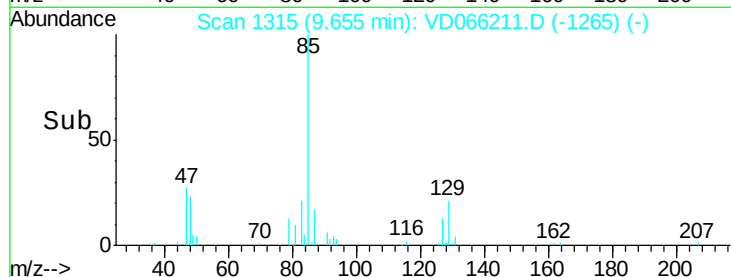
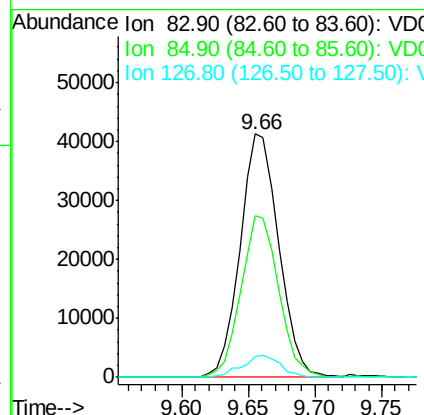
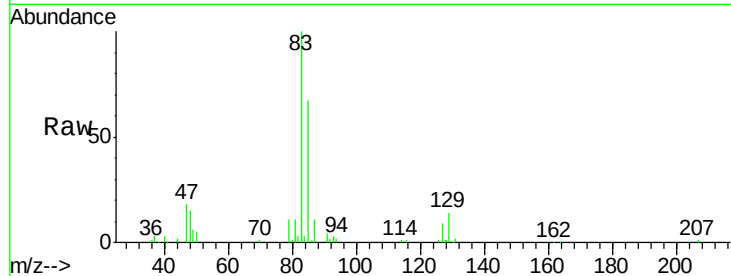
#47
Bromodichloromethane
Concen: 19.107 ug/l
RT: 9.66 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	82710		
85	66.5		48.2	72.4
127	8.6		7.3	10.9

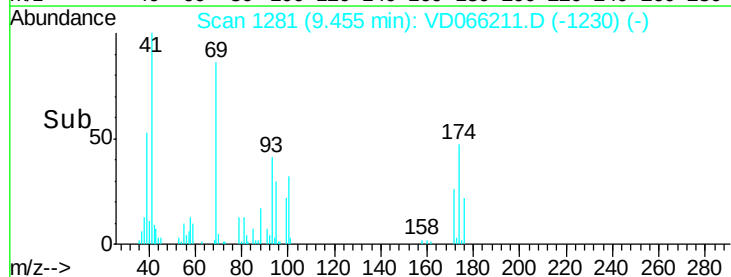
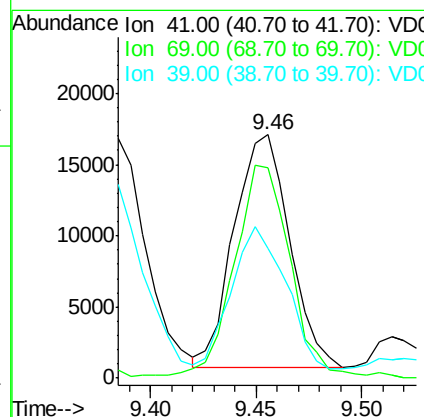
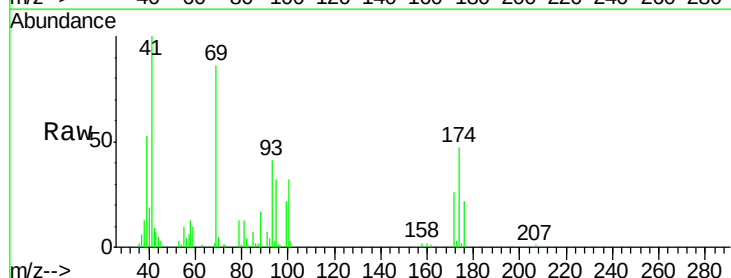
Manual Integrations
APPROVED

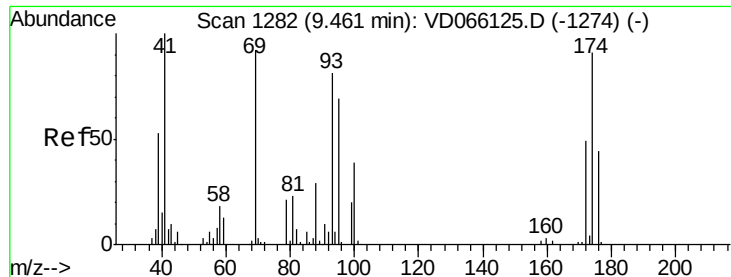
MMDadoda
8/14/2020 5:11:55 PM



#48
Methyl methacrylate
Concen: 17.149 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	29959		
69	93.1		63.9	95.9
39	60.2		42.6	64.0





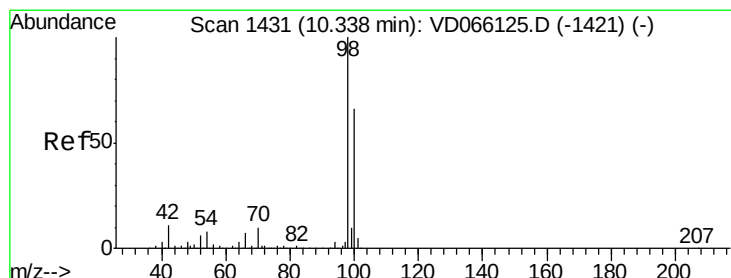
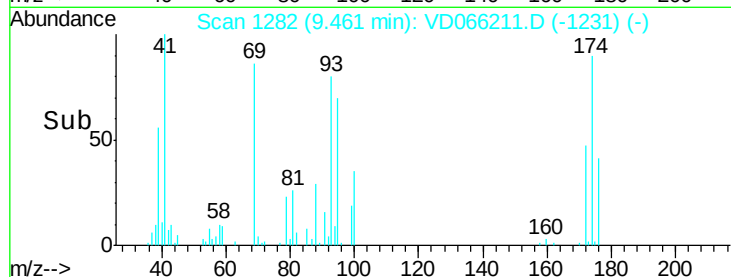
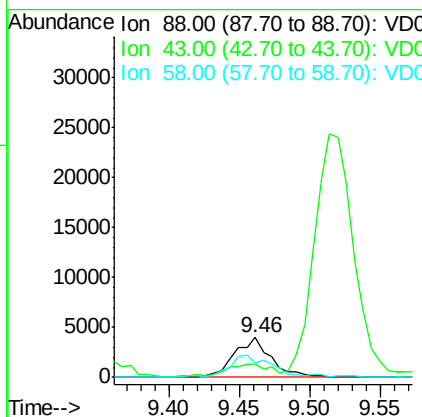
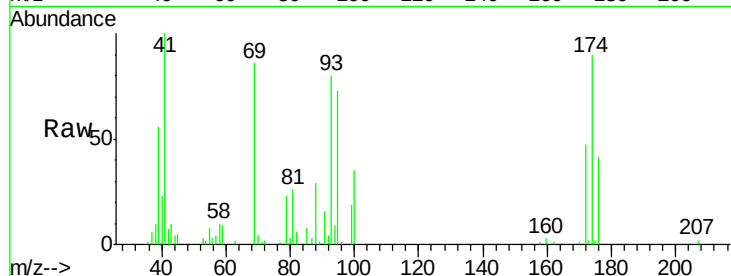
#49
1,4-Dioxane
Concen: 344.027 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	88	Resp	7239
Ion	Ratio	Lower	Upper
88	100		
43	42.9	27.5	41.3#
58	64.7	50.2	75.4

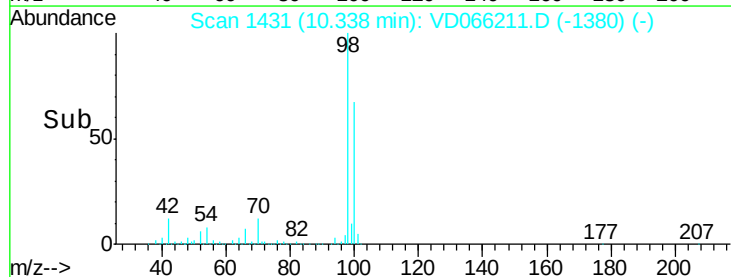
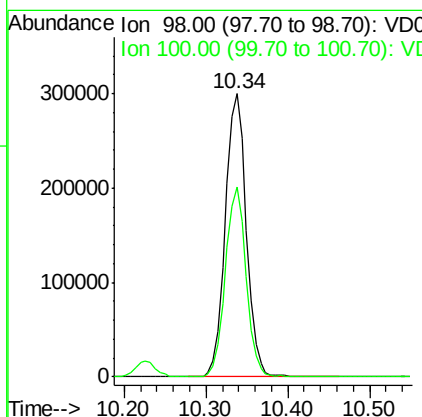
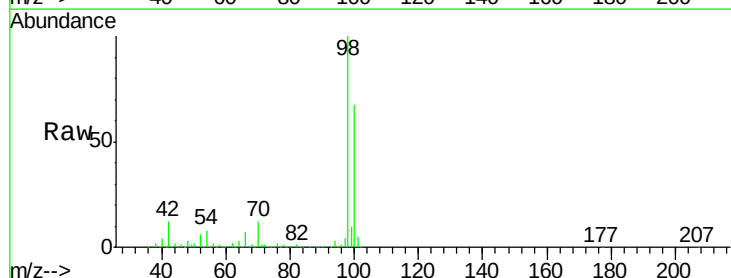
Manual Integrations
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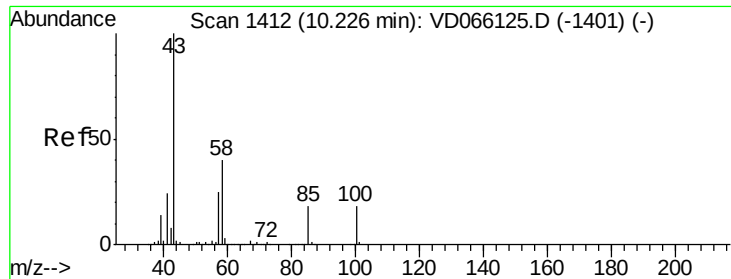
MMDadoda
8/14/2020 5:11:55 PM



#50
Toluene-d8
Concen: 49.262 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	98	Resp	537085
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.6	78.8





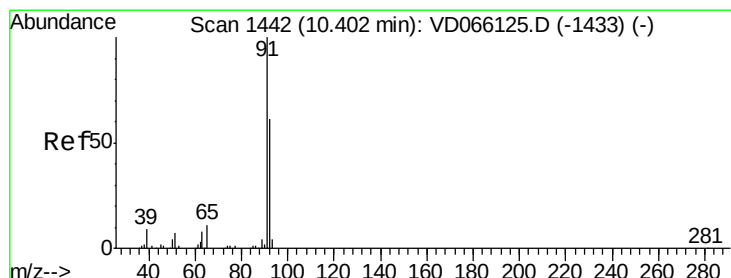
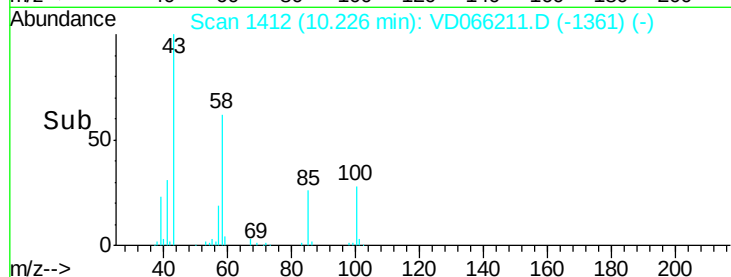
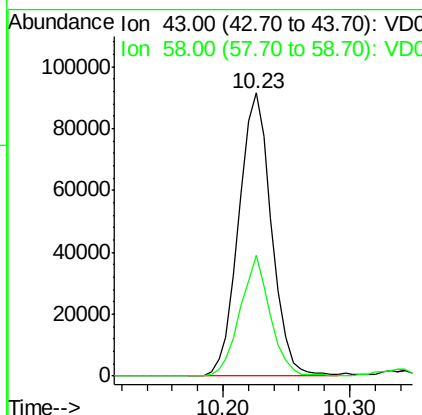
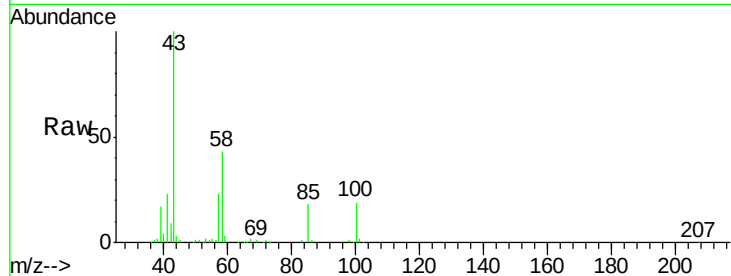
#51
4-Methyl-2-Pentanone
Concen: 93.329 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.1	31.1	46.7

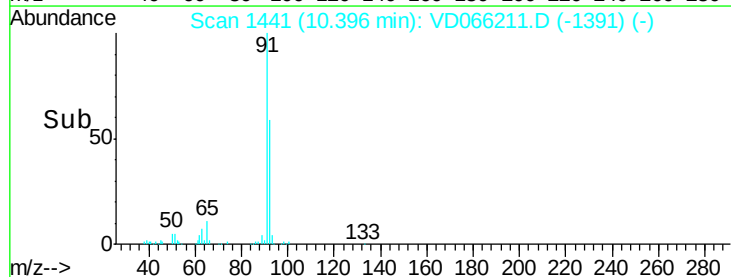
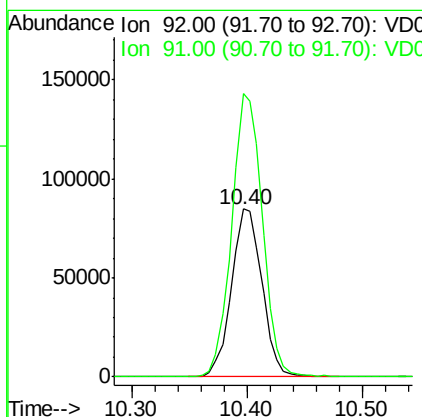
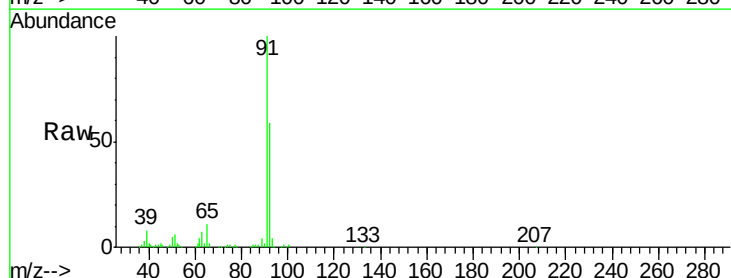
Manual Integrations
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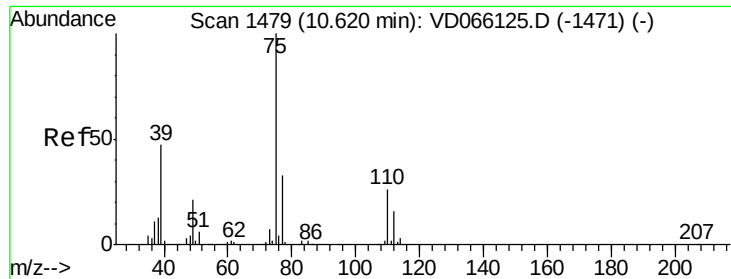
MMDadoda
8/14/2020 5:11:55 PM



#52
Toluene
Concen: 19.425 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.4	135.2	202.8





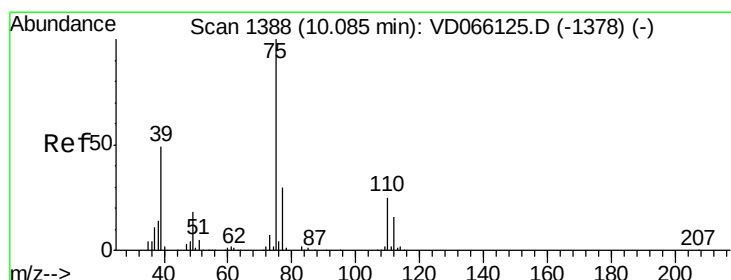
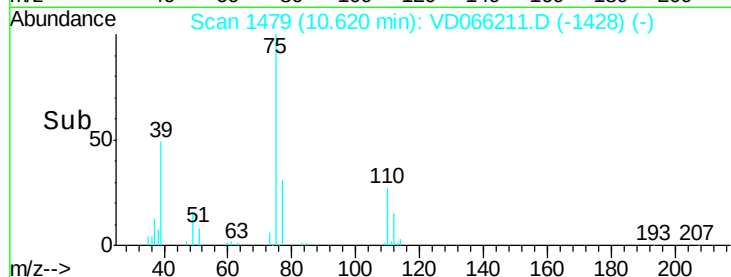
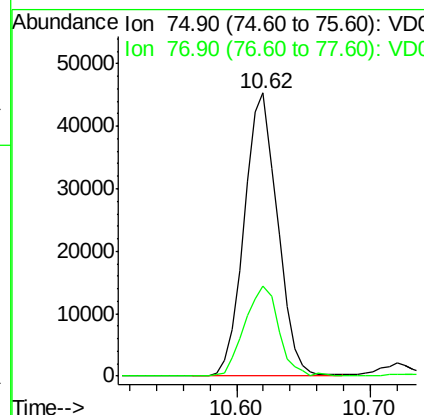
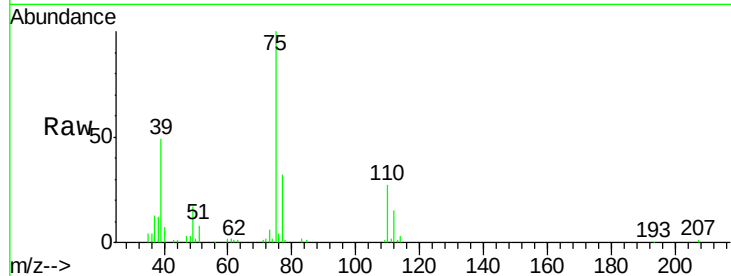
#53
 t-1,3-Dichloropropene
 Concen: 18.986 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.2	39.2

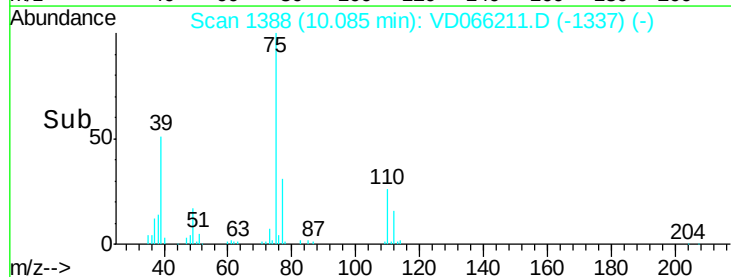
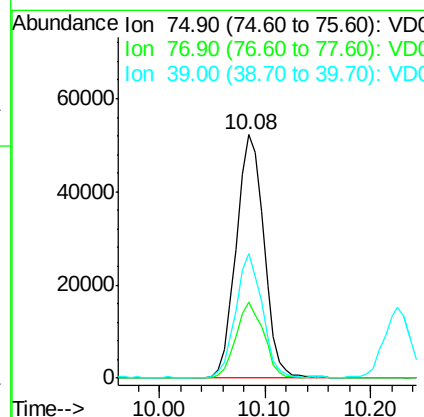
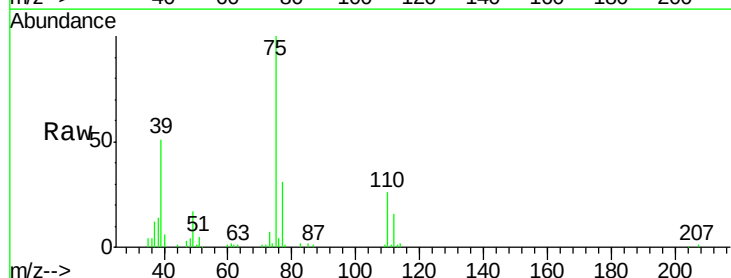
Manual Integrations
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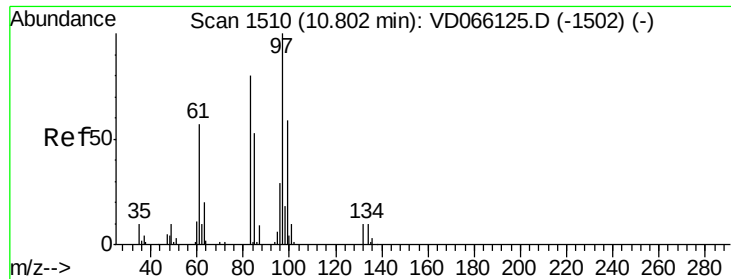
MMDadoda
 8/14/2020 5:11:55 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.740 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.3	36.5
39	51.0	39.3	58.9





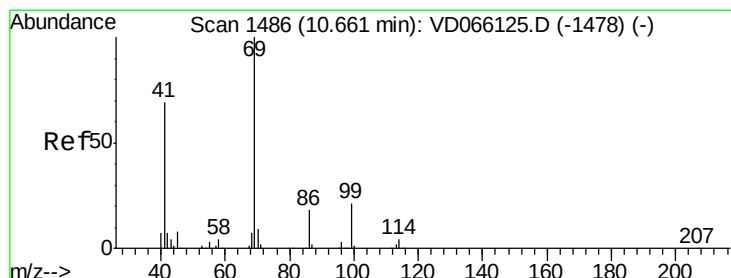
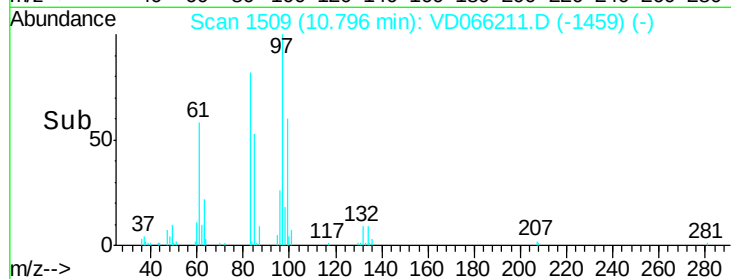
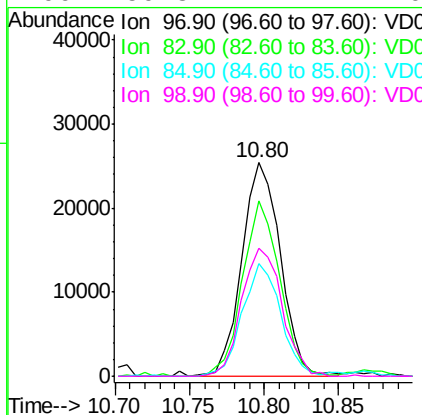
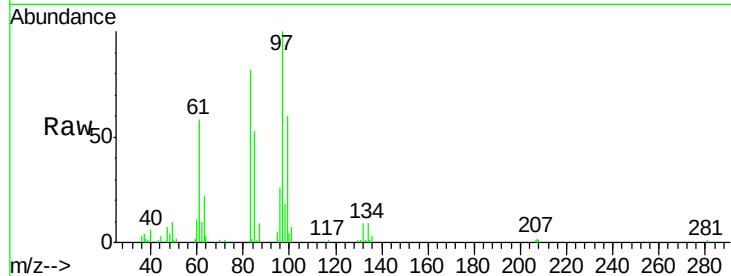
#55
 1,1,2-Trichloroethane
 Concen: 19.303 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	45523		
83	82.2	63.9	95.9	
85	52.9	42.5	63.7	
99	59.8	47.4	71.0	

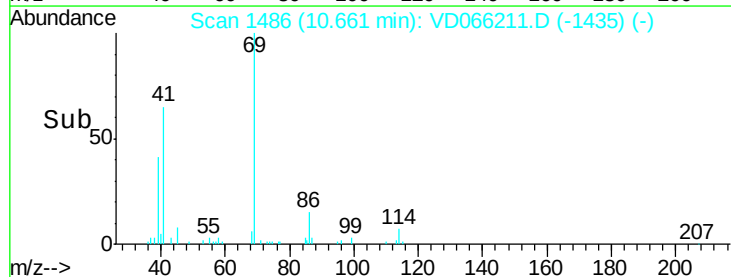
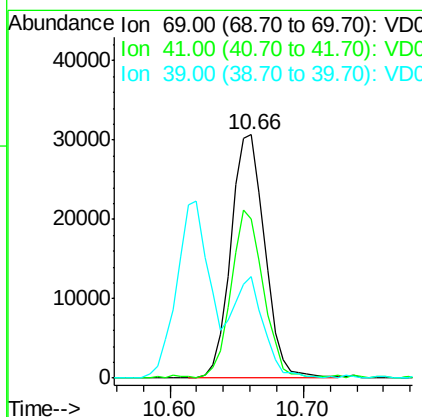
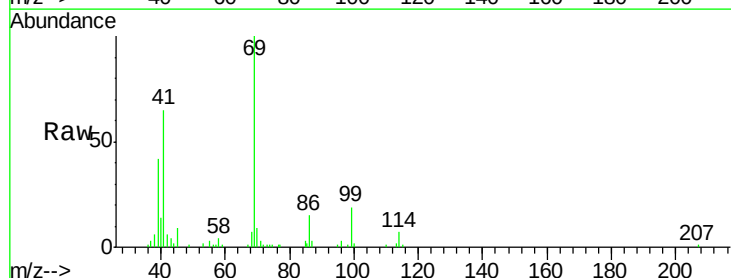
Manual Integrations
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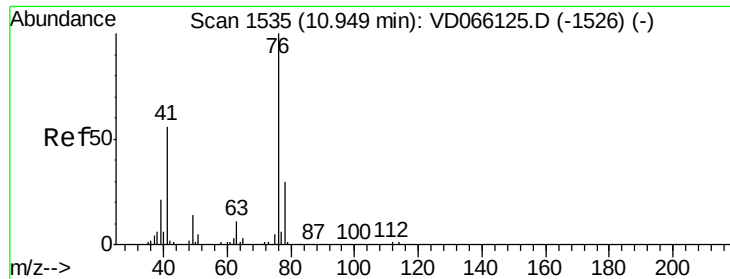
MMDadoda
 8/14/2020 5:11:55 PM



#56
 Ethyl methacrylate
 Concen: 19.137 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	54217		
41	66.2	54.1	81.1	
39	34.3	28.6	43.0	





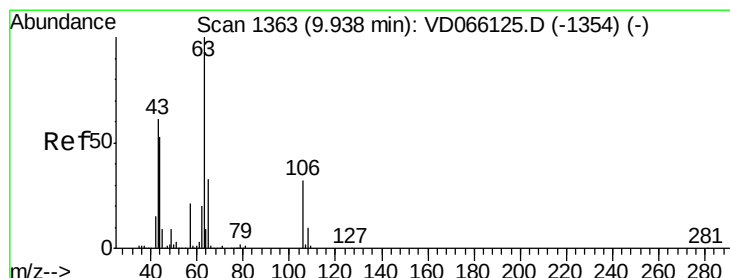
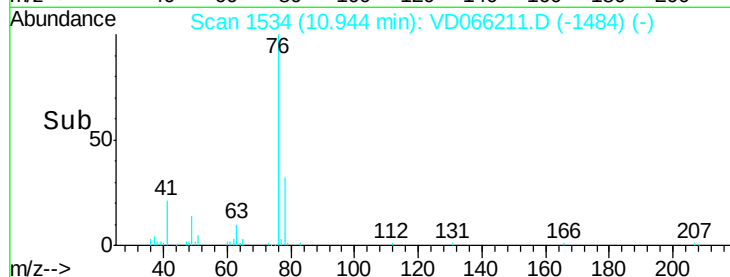
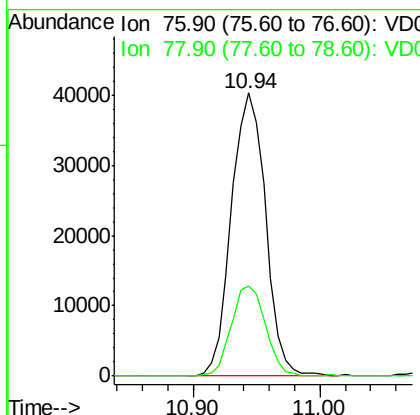
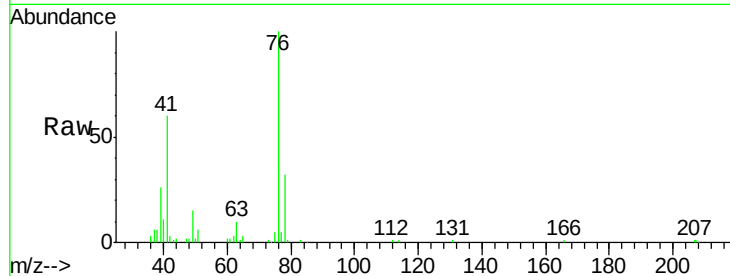
#57
 1,3-Dichloropropane
 Concen: 19.204 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion: 76 Resp: 75187
 Ion Ratio Lower Upper
 76 100
 78 31.8 25.5 38.3

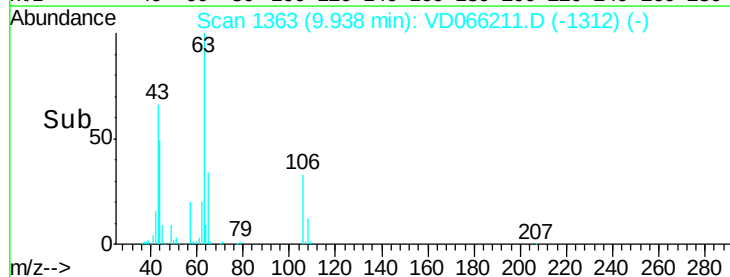
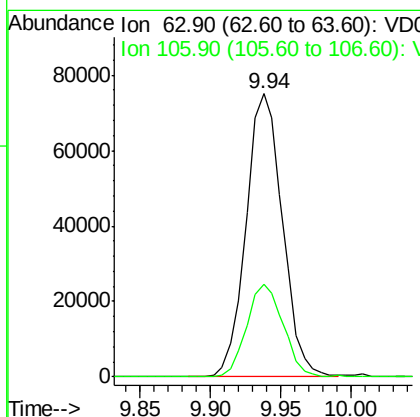
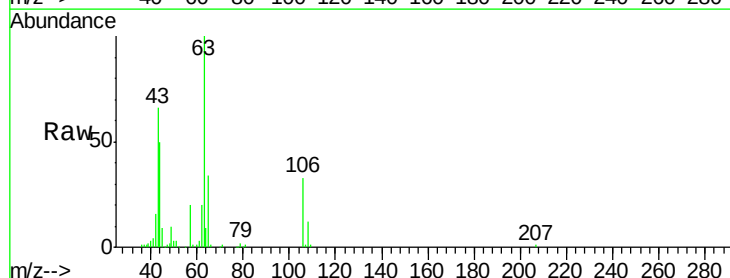
Manual Integrations
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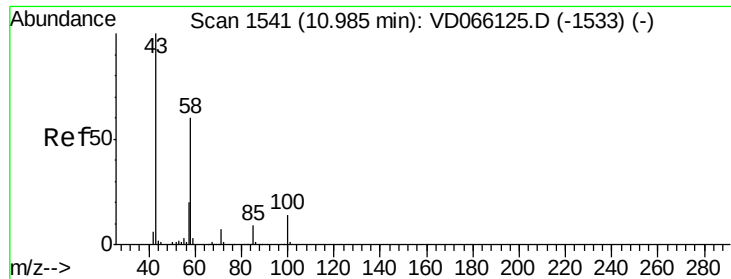
MMDadoda
 8/14/2020 5:11:55 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.907 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion: 63 Resp: 136239
 Ion Ratio Lower Upper
 63 100
 106 32.4 25.3 37.9





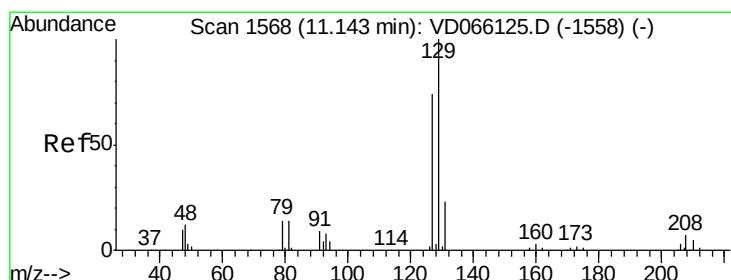
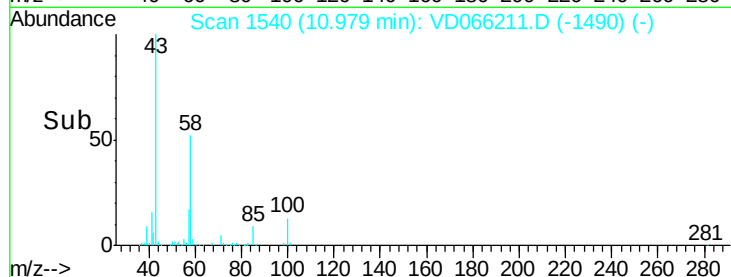
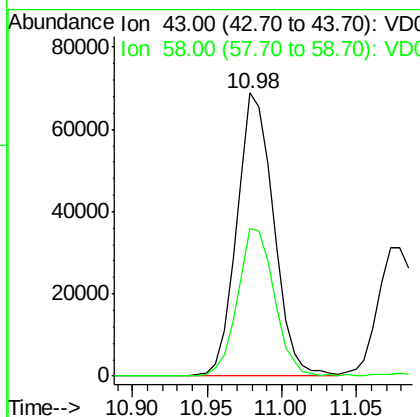
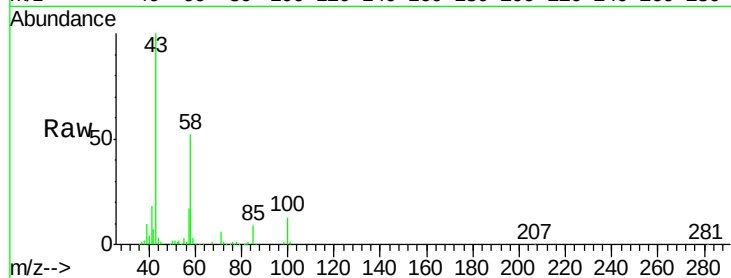
#59
2-Hexanone
Concen: 95.637 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.1	27.8	83.4

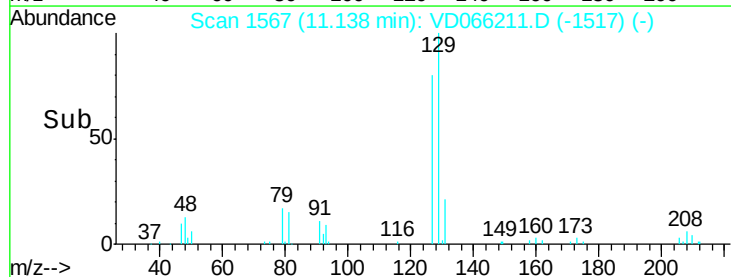
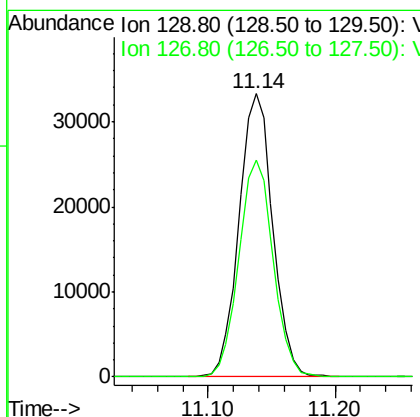
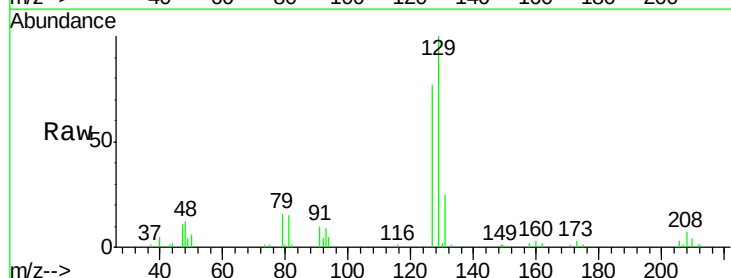
Manual Integrations
APPROVED

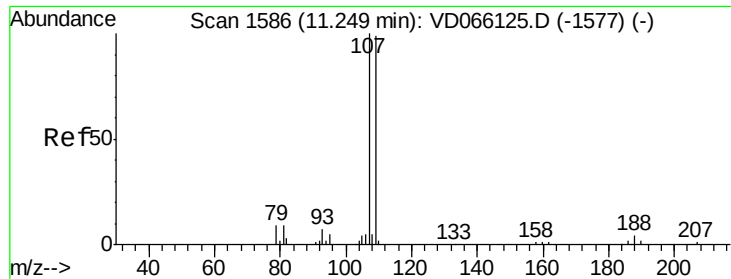
MMDadoda
8/14/2020 5:11:55 PM



#60
Dibromochloromethane
Concen: 18.889 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.0	114.1





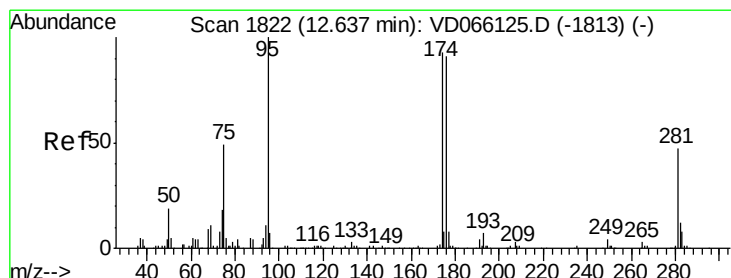
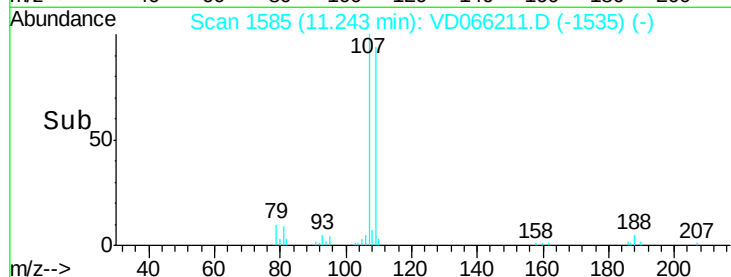
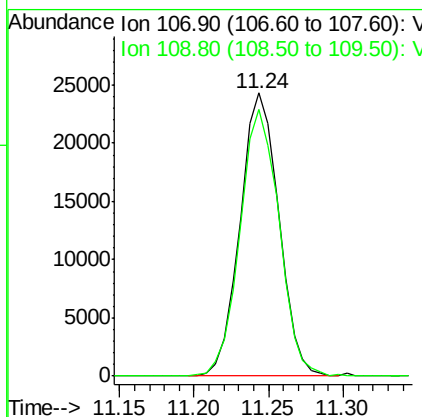
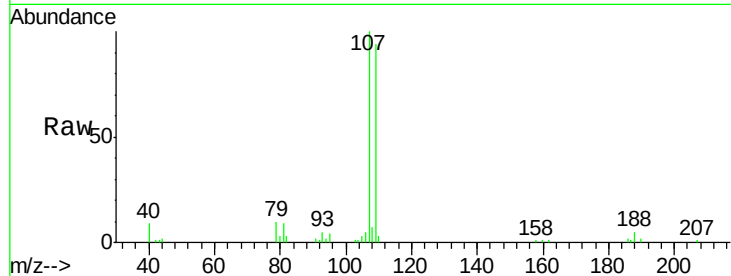
#61
 1,2-Dibromoethane
 Concen: 19.240 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion: 107 Resp: 43637
 Ion Ratio Lower Upper
 107 100
 109 95.7 76.5 114.7

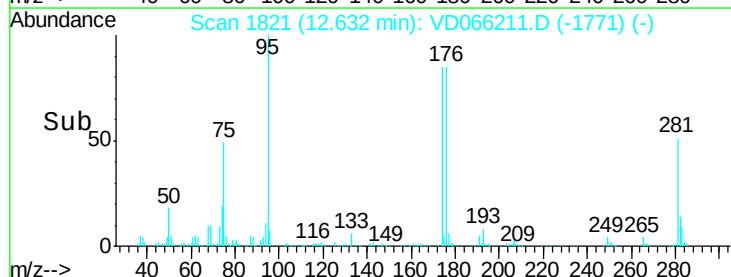
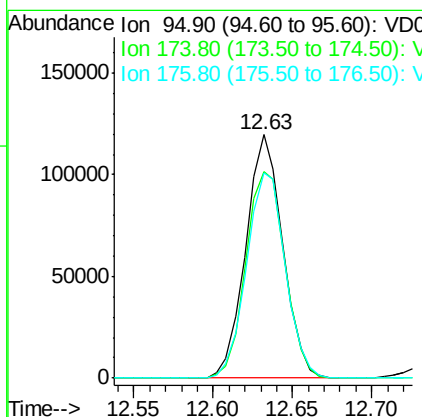
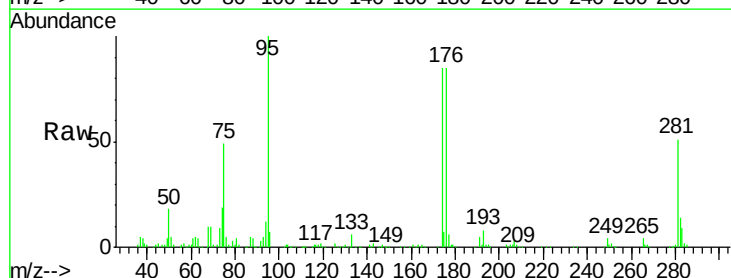
Manual Integrations
 APPROVED

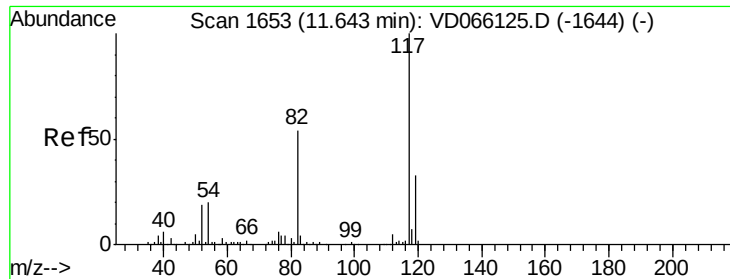
MMDadoda
 8/14/2020 5:11:55 PM



#62
 4-Bromofluorobenzene
 Concen: 49.274 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion: 95 Resp: 193644
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 180.8
 176 88.2 0.0 181.2





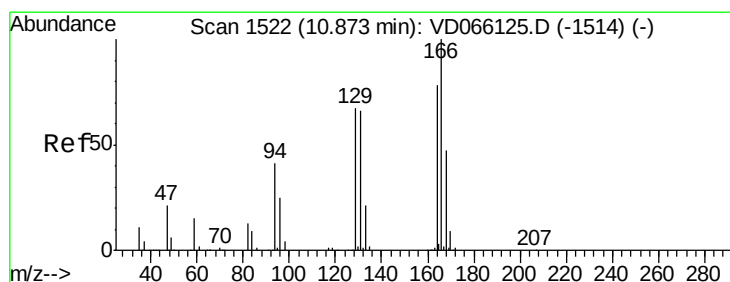
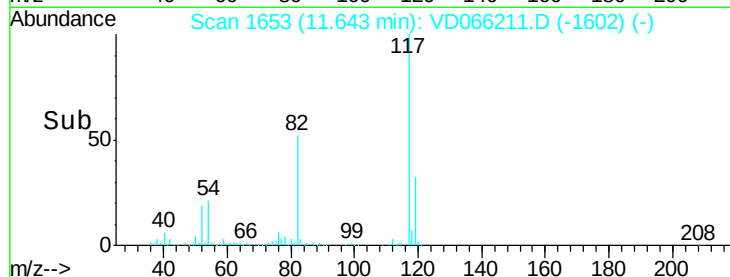
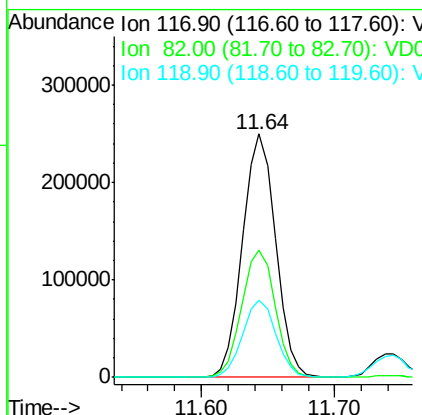
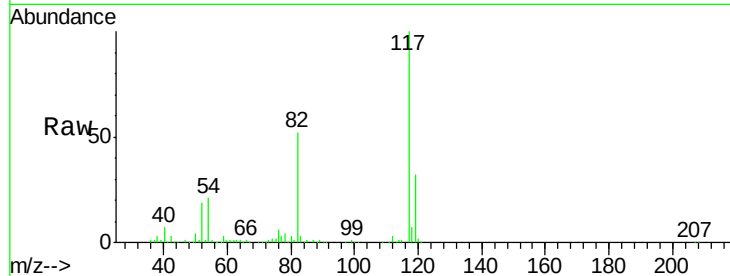
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	428738		
82	52.2	43.0	64.4	
119	31.7	26.1	39.1	

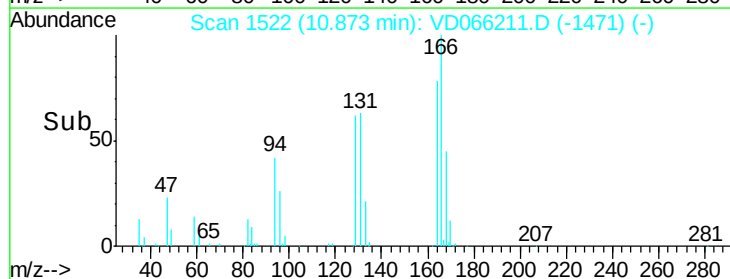
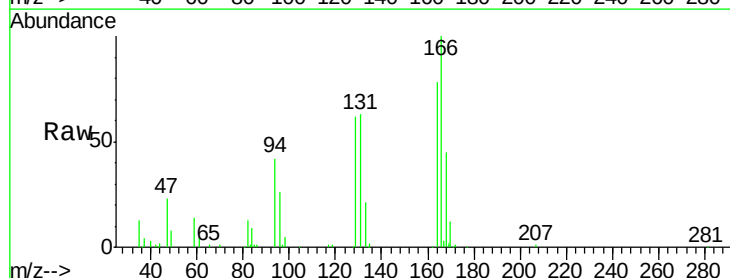
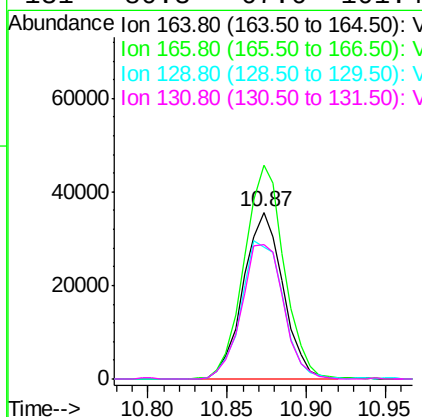
Manual Integrations
APPROVED

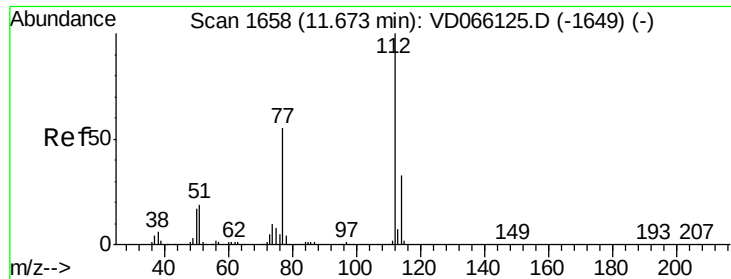
MMDadoda
8/14/2020 5:11:55 PM



#64
Tetrachloroethene
Concen: 18.936 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62341		
166	128.1	101.9	152.9	
129	78.9	68.1	102.1	
131	80.3	67.6	101.4	





#65

Chlorobenzene

Concen: 19.058 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion:112 Resp: 165873

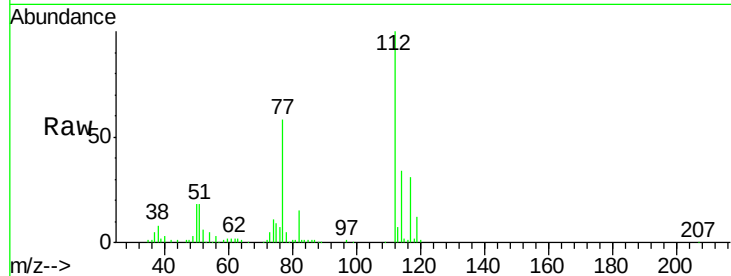
Ion Ratio Lower Upper

112 100

114 34.2 26.1 39.1

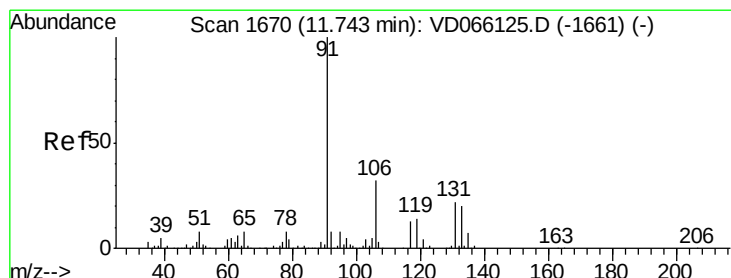
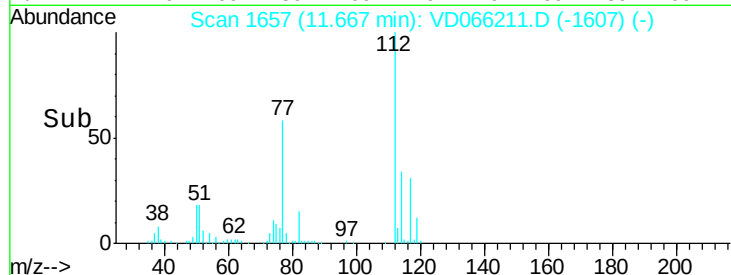
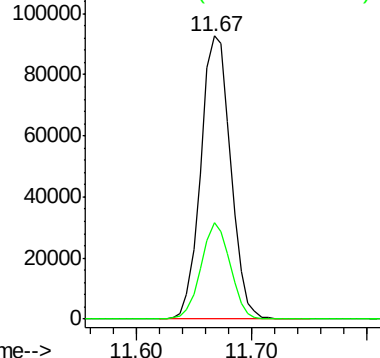
Manual Integrations
APPROVED

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.304 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

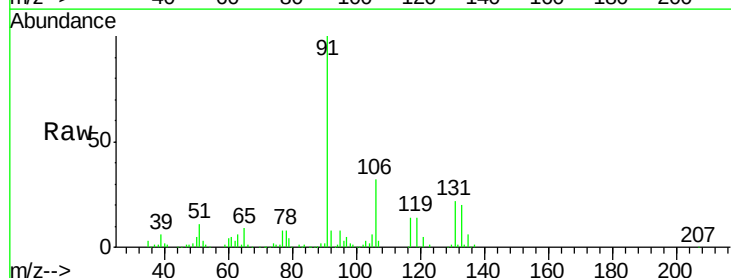
Tgt Ion:131 Resp: 65737

Ion Ratio Lower Upper

131 100

133 95.5 47.1 141.4

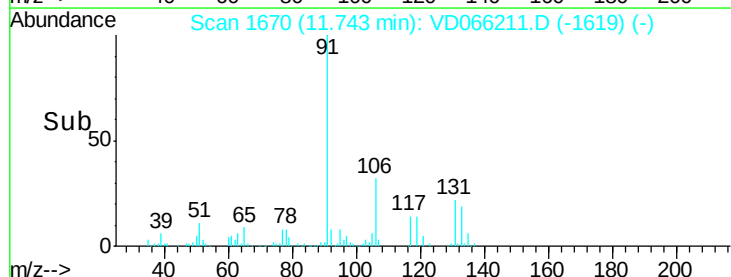
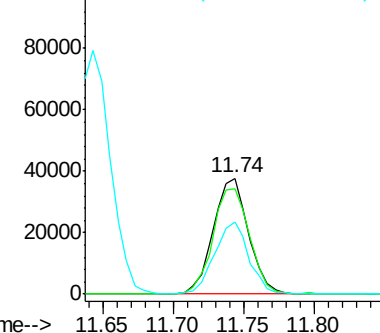
119 60.6 31.6 94.7

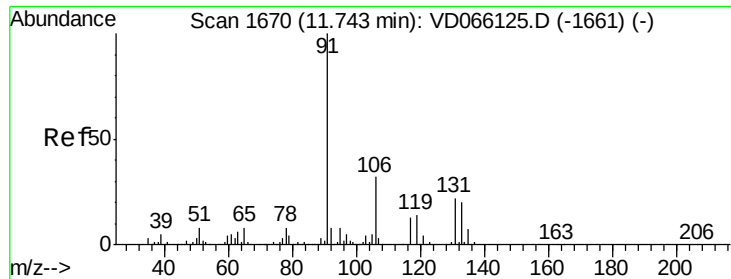


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





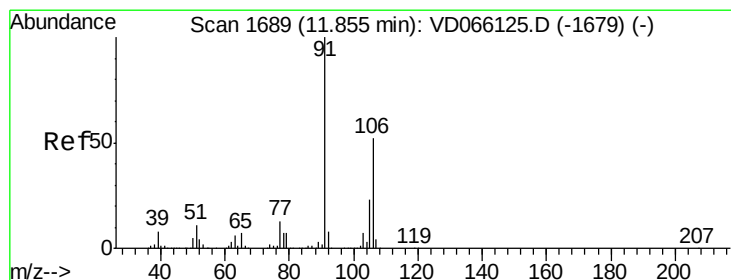
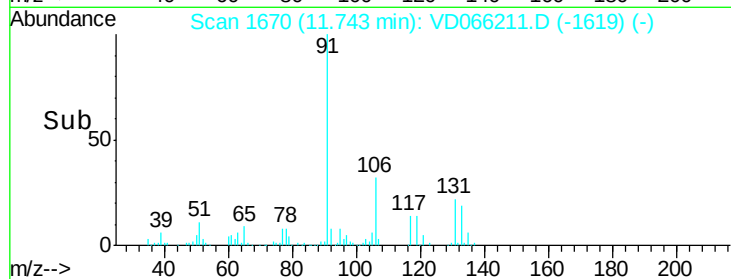
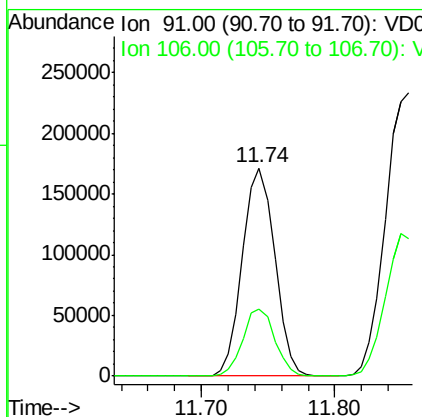
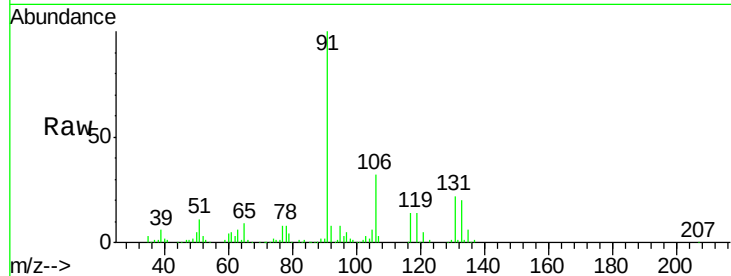
#67
Ethyl Benzene
Concen: 19.199 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.7	38.5

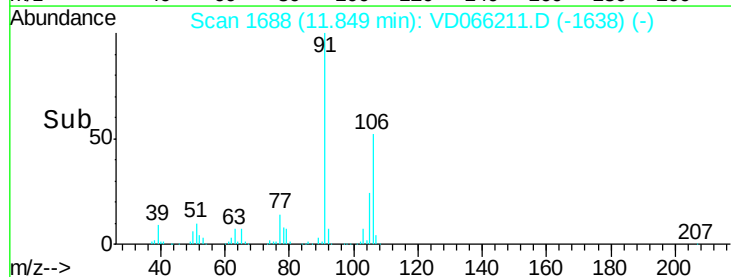
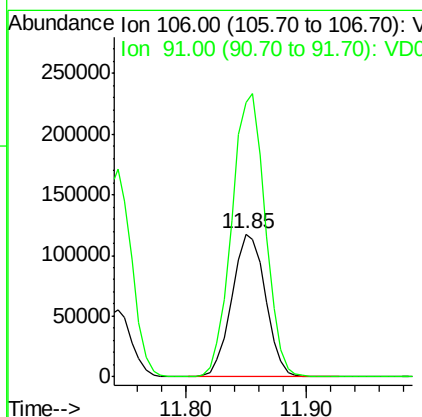
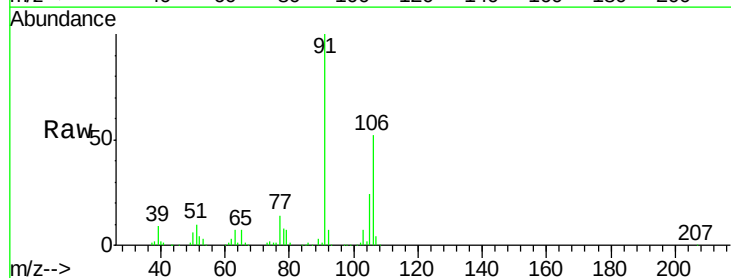
Manual Integrations
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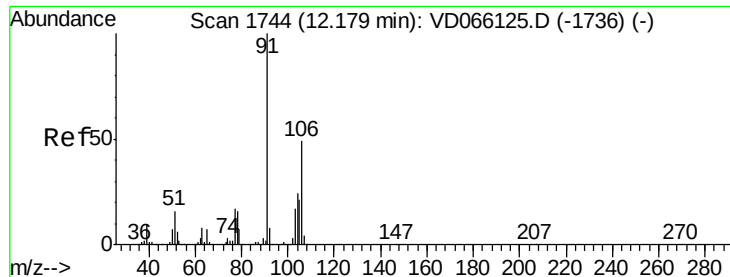
MMDadoda
8/14/2020 5:11:55 PM



#68
m/p-Xylenes
Concen: 39.230 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.9	156.6	235.0





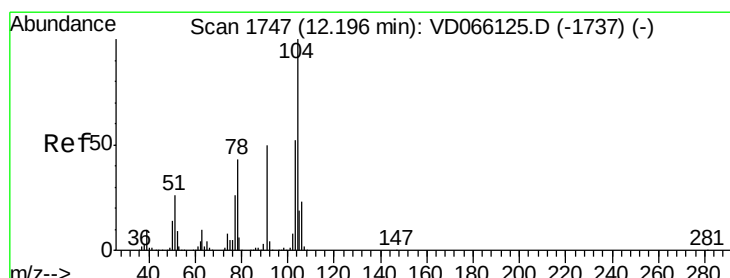
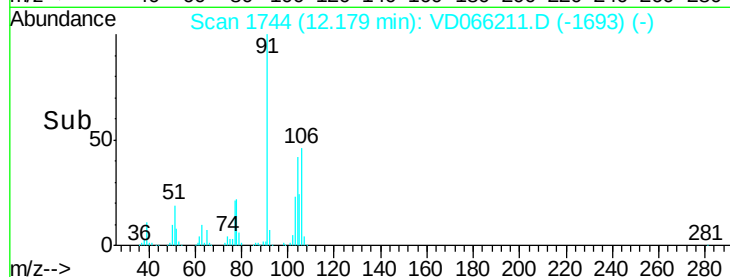
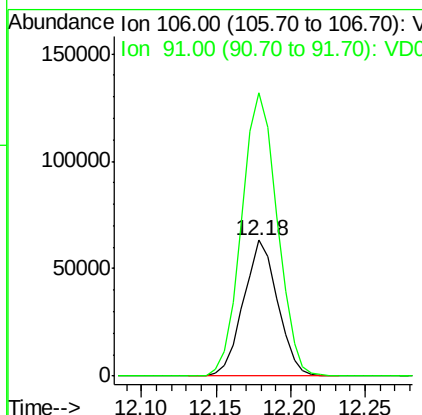
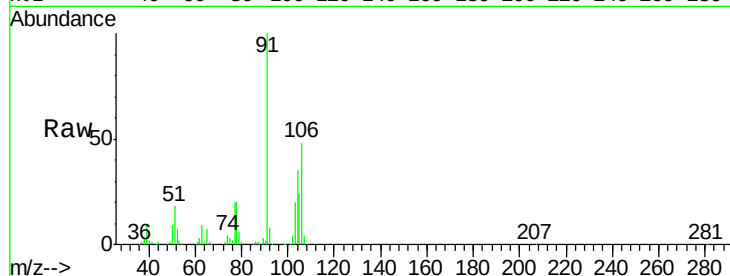
#69
o-Xylene
Concen: 18.909 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	100517		
91	216.4	105.7	317.1	

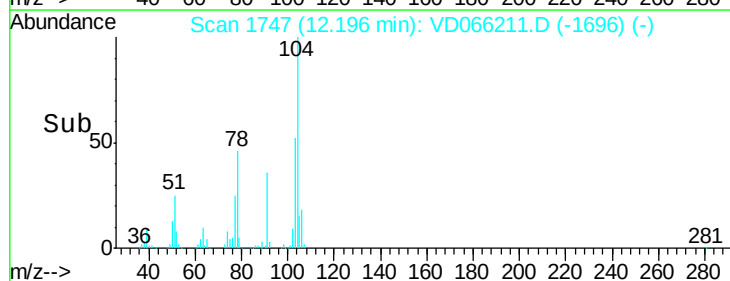
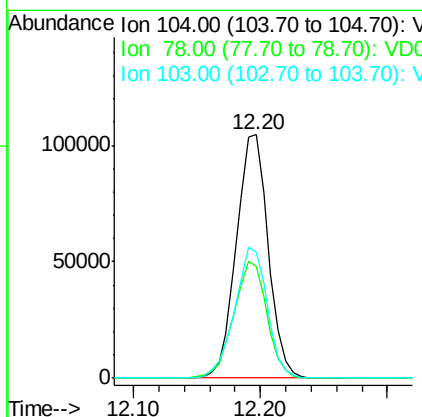
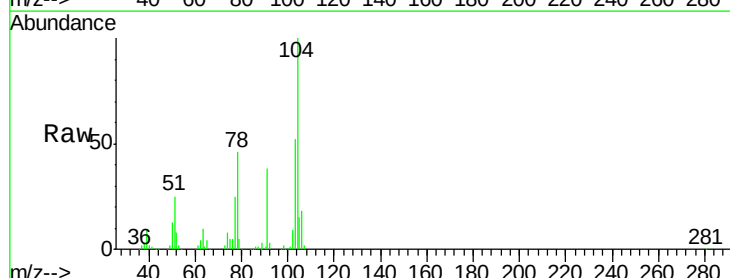
Manual Integrations
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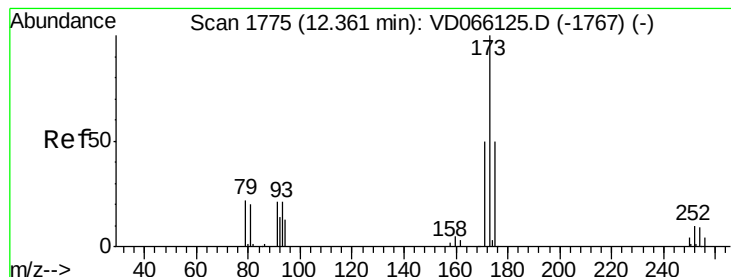
MMDadoda
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#70
Styrene
Concen: 19.533 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	181964		
78	50.0	38.6	58.0	
103	55.2	44.1	66.1	





#71

Bromoform

Concen: 19.324 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion:173 Resp: 38988

Ion Ratio Lower Upper

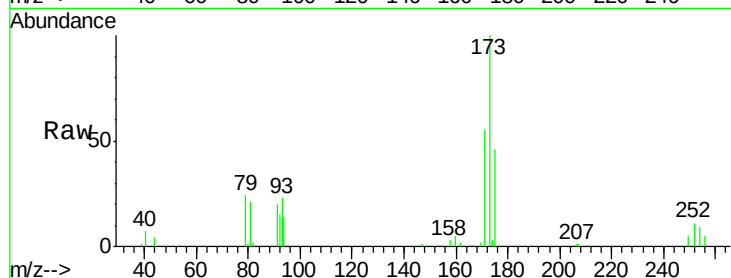
173 100

175 47.5 24.6 73.6

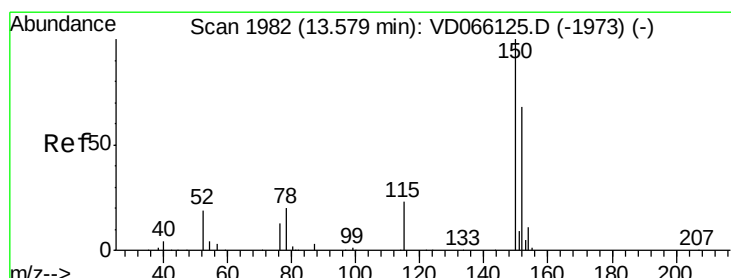
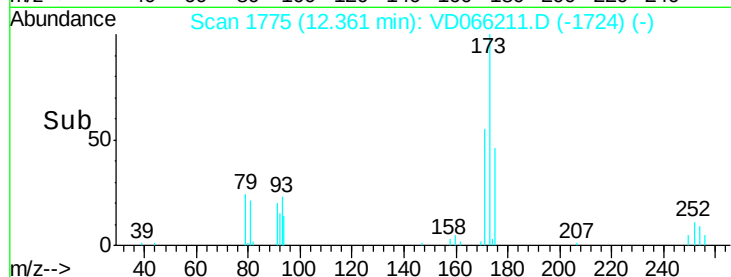
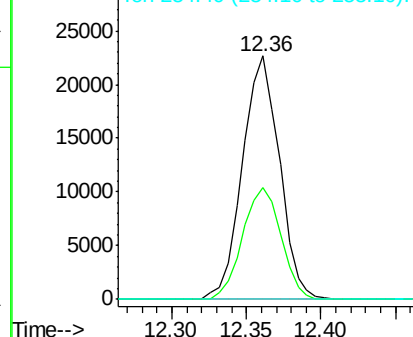
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

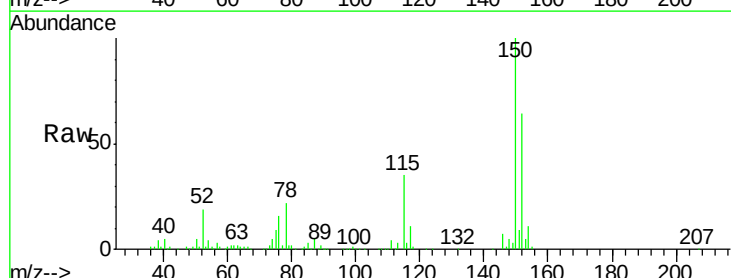
Tgt Ion:152 Resp: 224370

Ion Ratio Lower Upper

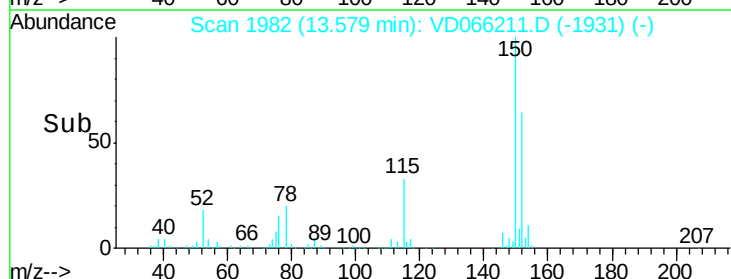
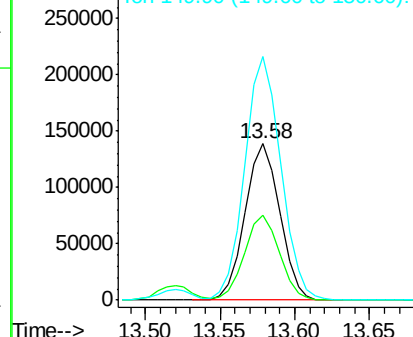
152 100

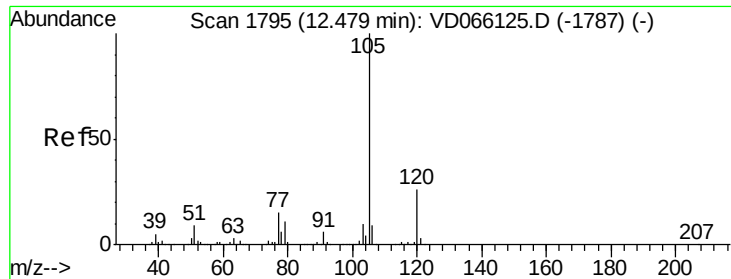
115 54.3 28.0 83.9

150 162.1 0.0 346.4



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





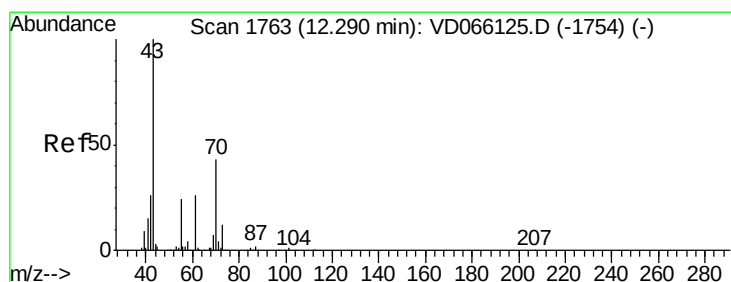
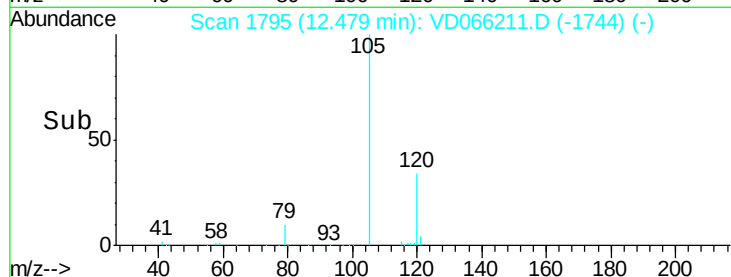
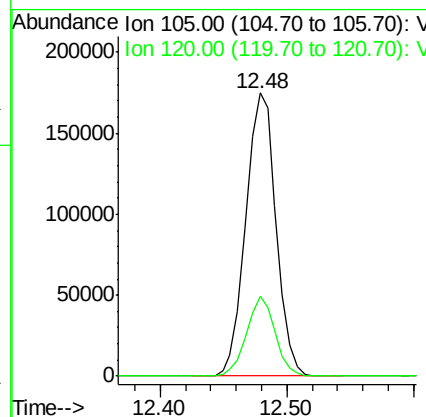
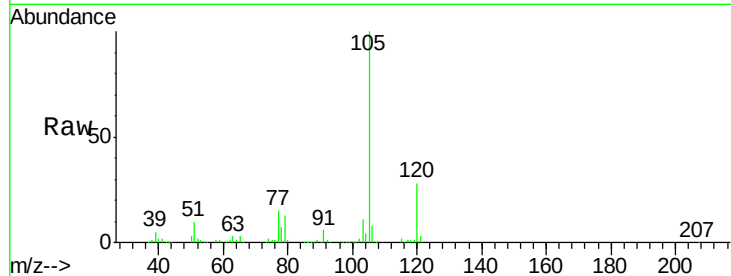
#73
Isopropylbenzene
Concen: 19.307 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	289171		
120	26.4	13.3	39.9	

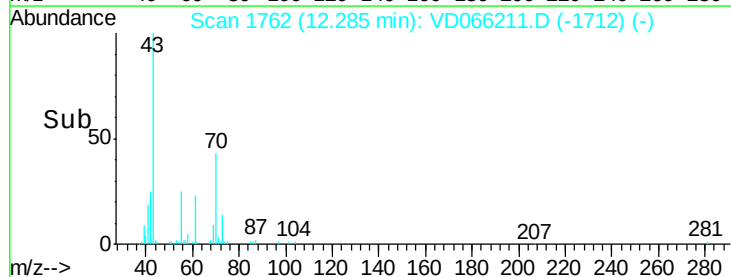
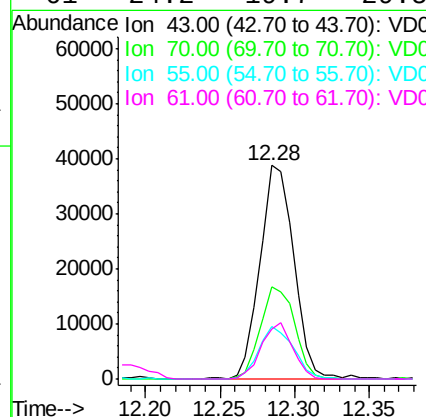
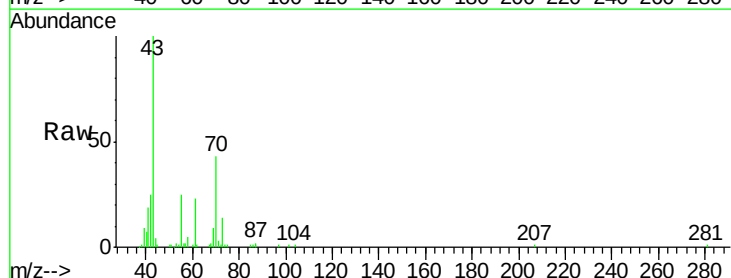
Manual Integrations
APPROVED

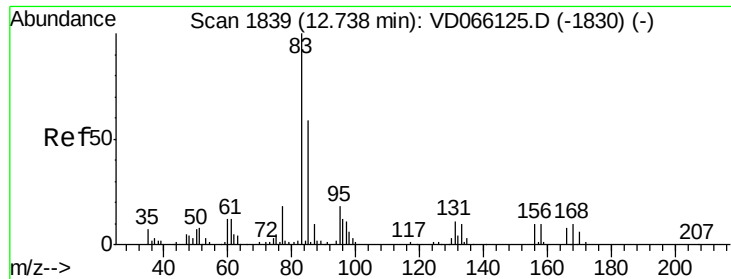
MMDadoda
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#74
N-ethyl acetate
Concen: 18.444 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	60830		
70	44.1	34.9	52.3	
55	25.1	19.2	28.8	
61	24.2	19.7	29.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 19.005 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 83 Resp: 48537

Ion Ratio Lower Upper

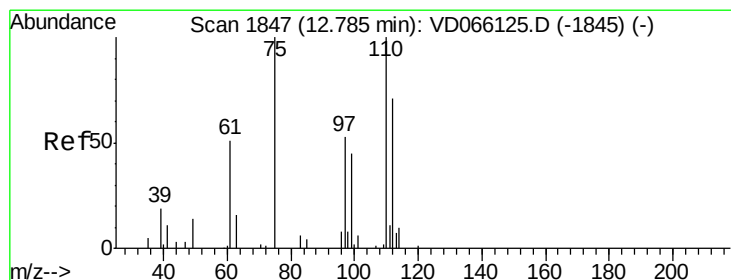
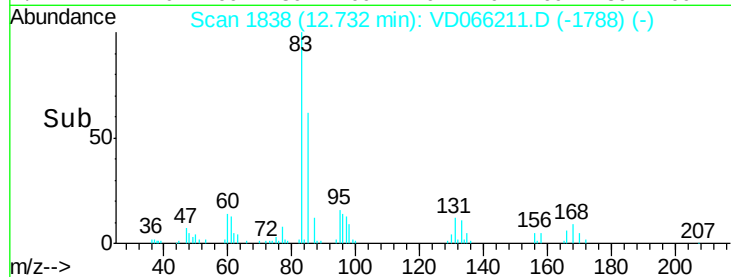
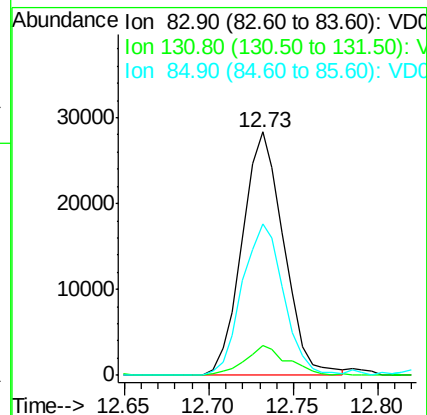
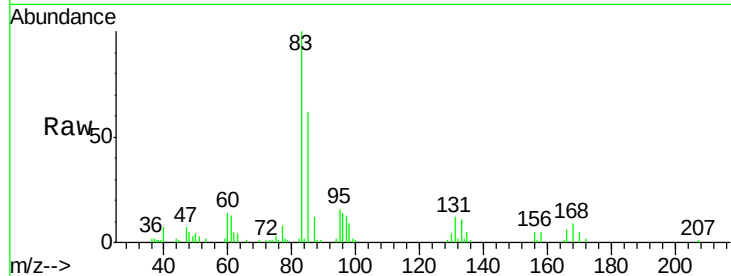
83 100

131 12.5 6.2 18.6

85 62.1 32.4 97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.164 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066211.D

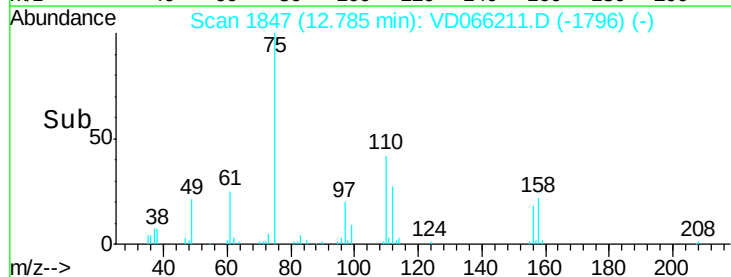
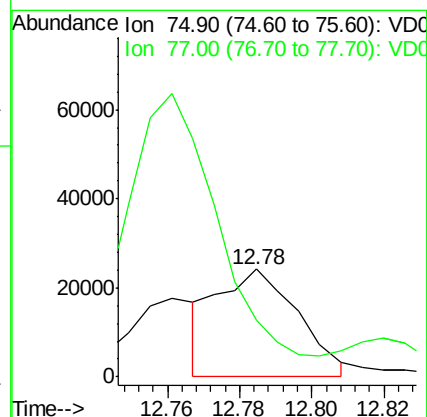
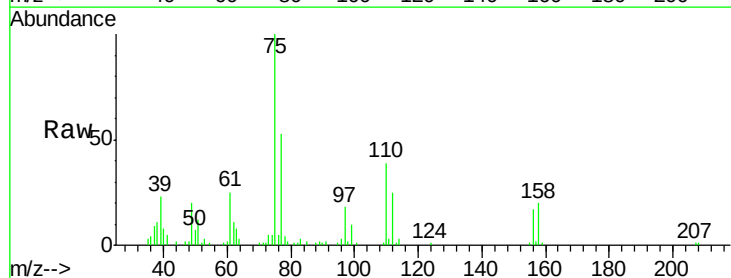
Acq: 13 Aug 2020 15:39

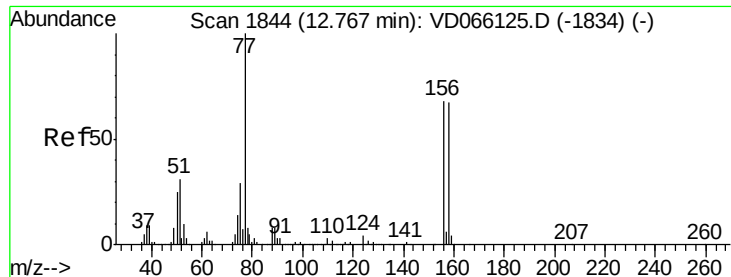
Tgt Ion: 75 Resp: 37728

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.681 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

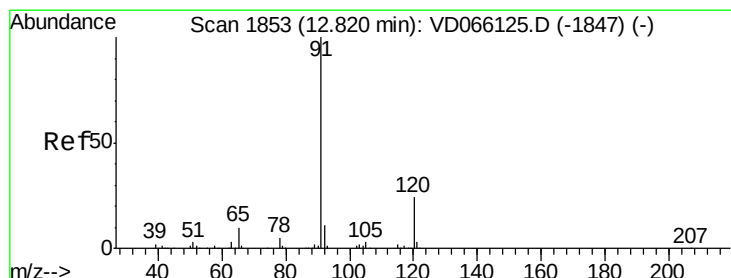
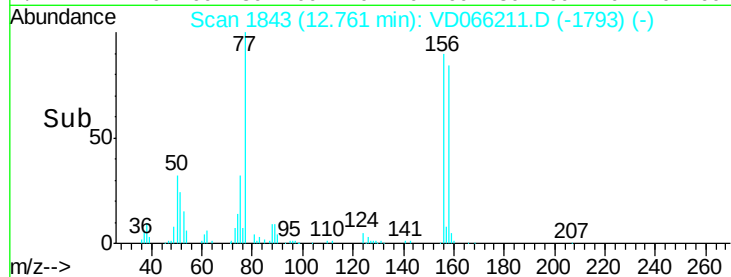
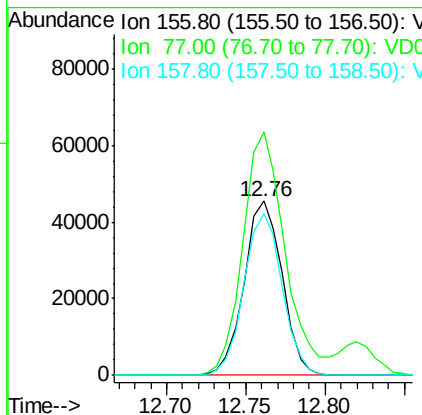
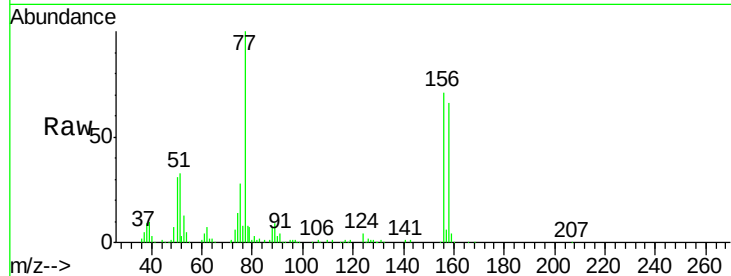
ClientSampleId :

VD0813SBS01

Tot Ion:	156	Resp:	75881
Ion	Ratio	Lower	Upper
156	100		
77	156.0	81.0	243.1
158	93.8	48.8	146.3

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#78

n-propylbenzene

Concen: 19.112 ug/l

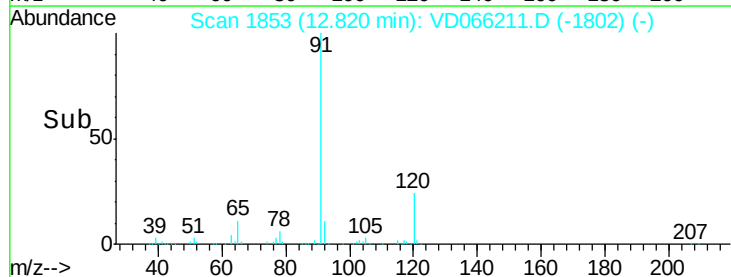
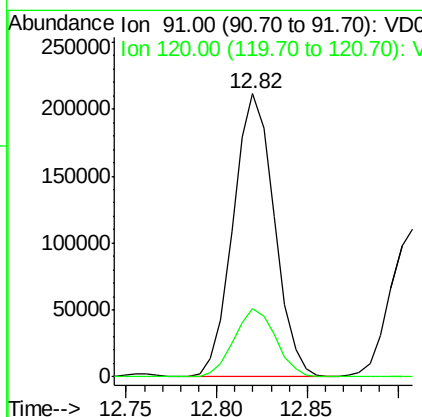
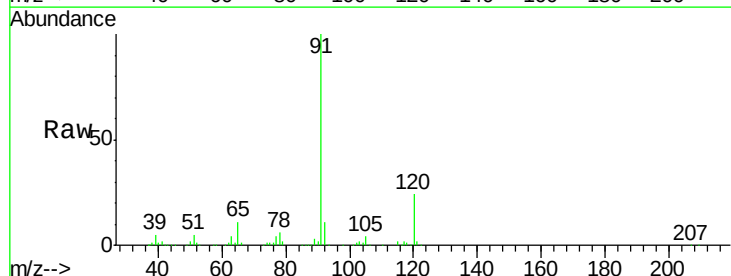
RT: 12.82 min Scan# 1853

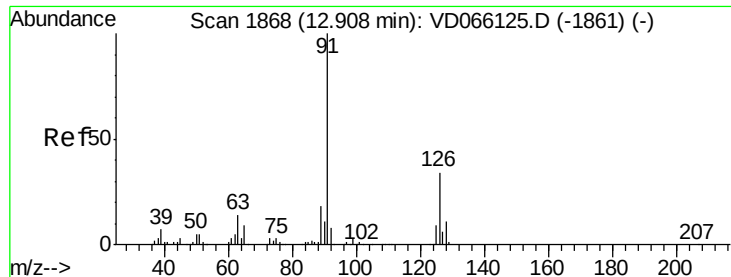
Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Tgt Ion:	91	Resp:	332743
Ion	Ratio	Lower	Upper
91	100		
120	24.4	12.0	36.0





#79

2-Chlorotoluene

Concen: 18.542 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 91 Resp: 184626

Ion Ratio Lower Upper

91 100

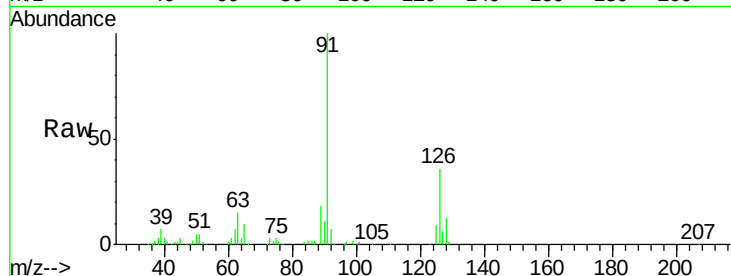
126 35.7 17.5 52.6

Manual Integrations

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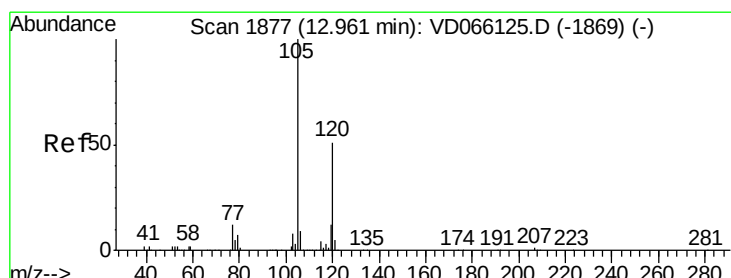
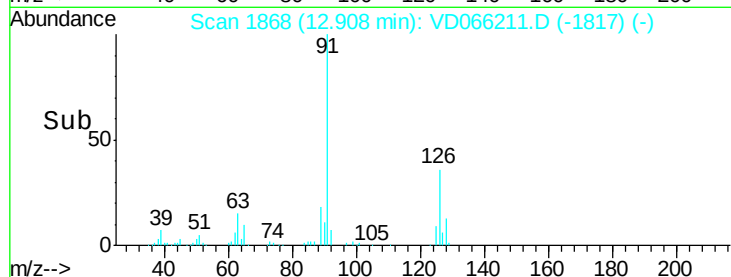
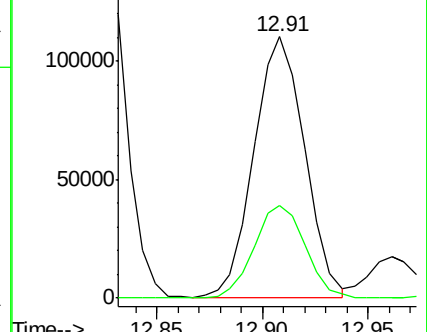
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Abundance Ion 91.00 (90.70 to 91.70): VD066211.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066211.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.262 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066211.D

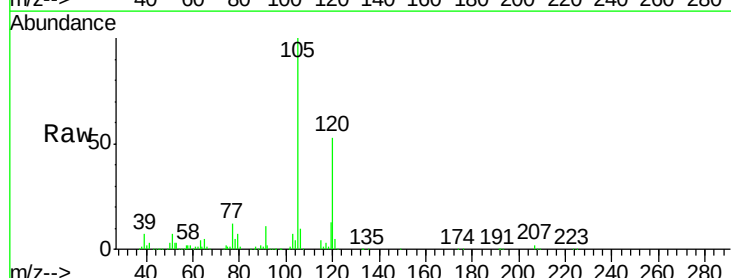
Acq: 13 Aug 2020 15:39

Tgt Ion: 105 Resp: 241267

Ion Ratio Lower Upper

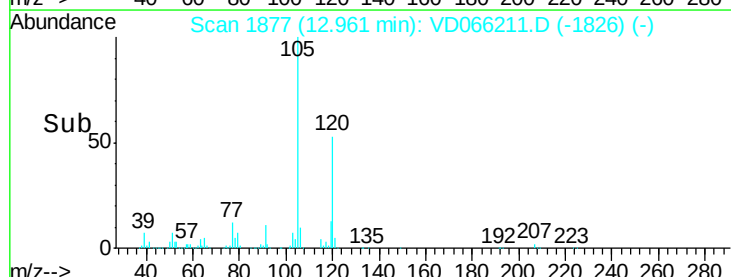
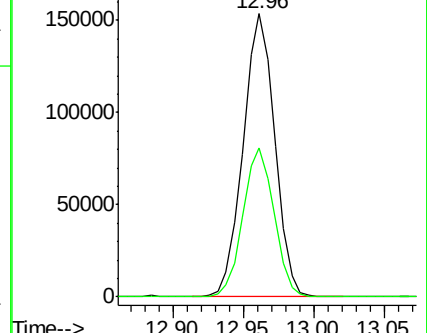
105 100

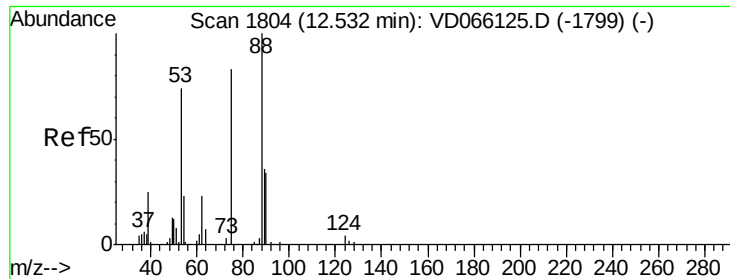
120 51.6 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066211.D (-1826) (-)

Ion 120.00 (119.70 to 120.70): VD066211.D (-1826) (-)





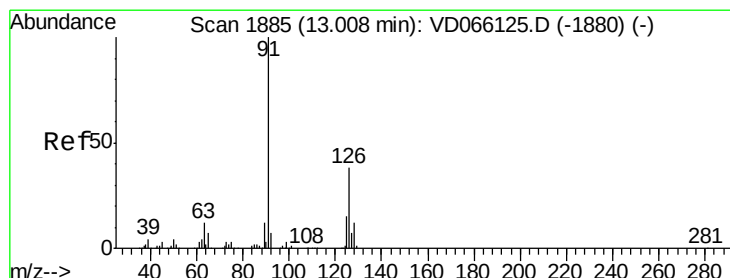
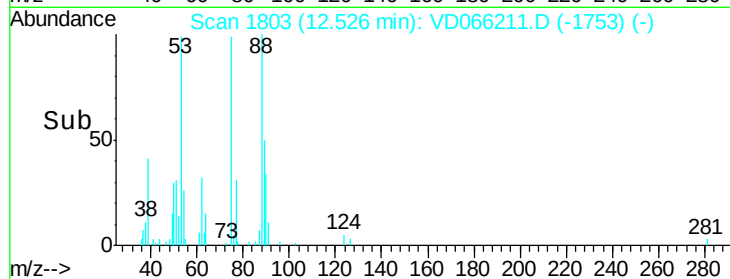
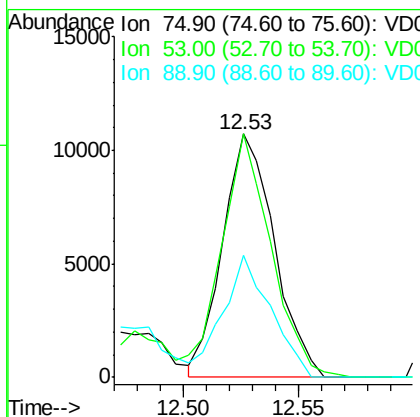
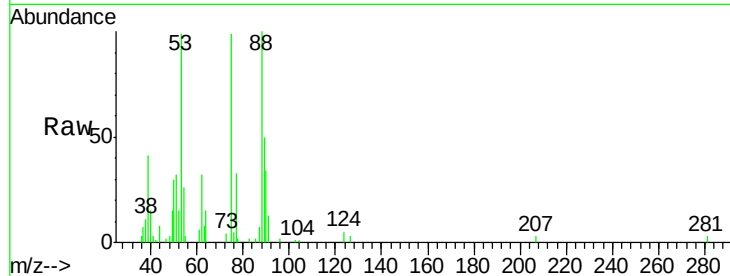
#81
trans-1,4-Dichloro-2-butene
Concen: 19.709 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.9	73.4	110.2
89	46.8	36.6	55.0

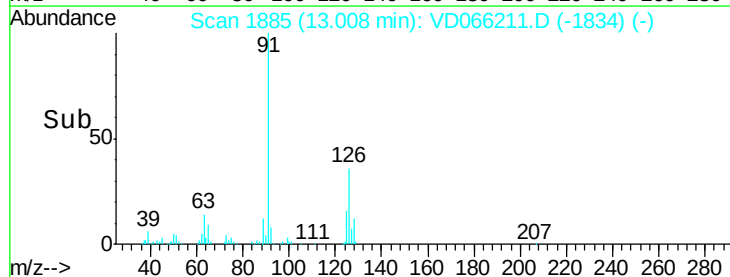
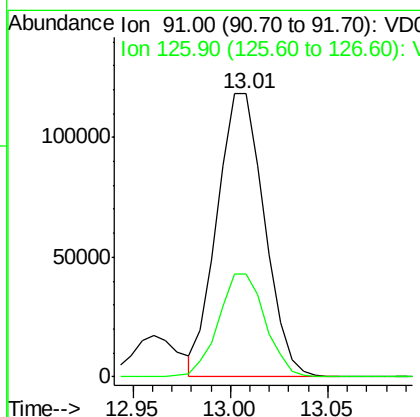
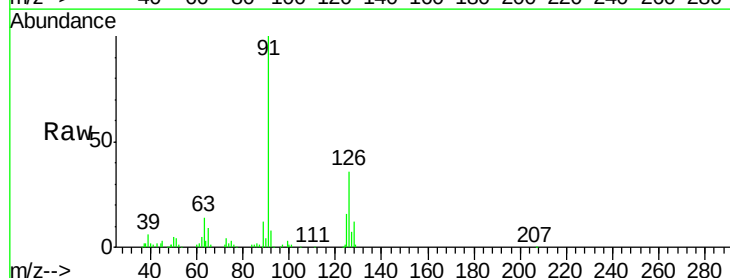
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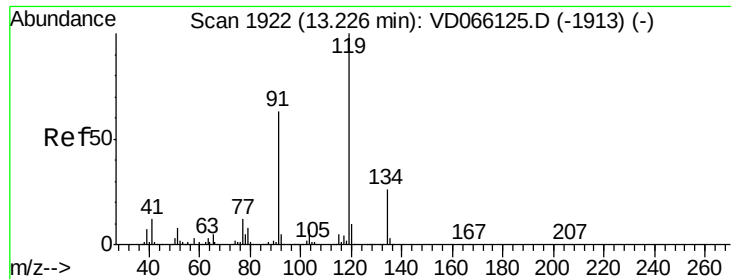
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#82
4-Chlorotoluene
Concen: 19.001 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.8	53.3





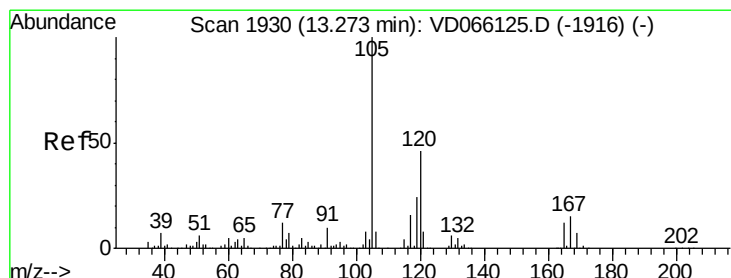
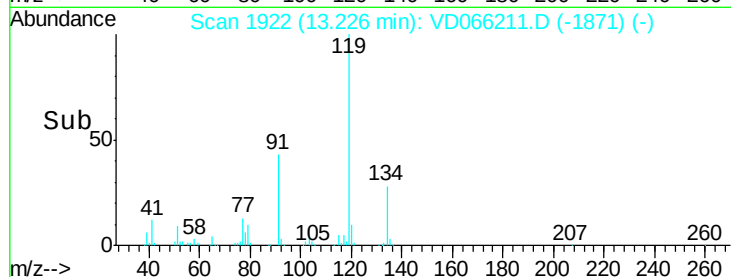
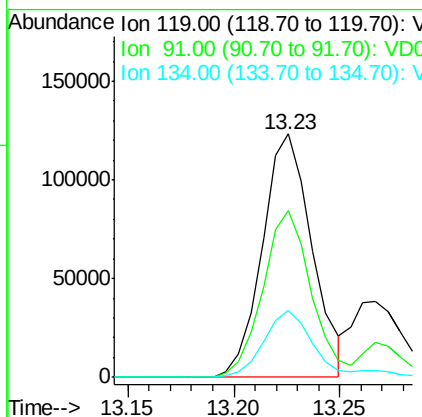
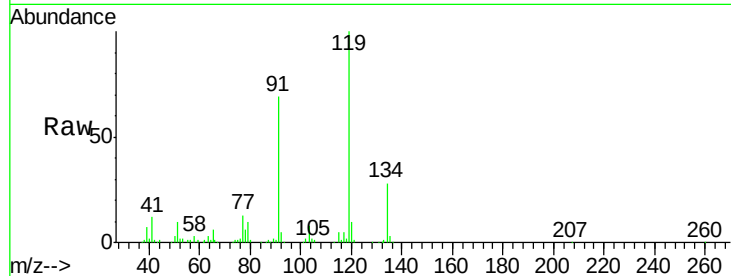
#83
 tert-Butylbenzene
 Concen: 18.310 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	201696		
91	66.8	30.8	92.4	
134	26.5	13.6	40.8	

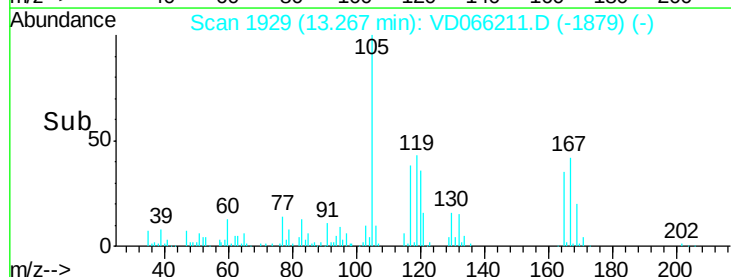
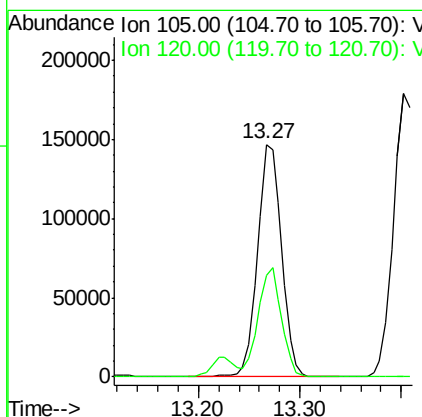
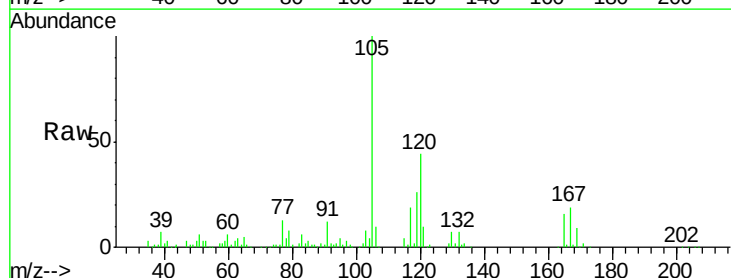
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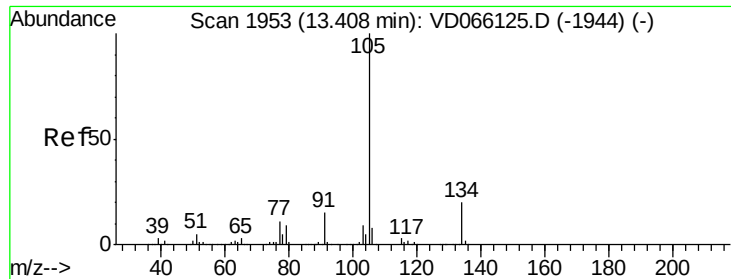
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.266 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	241500		
120	45.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 19.097 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion:105 Resp: 284022

Ion Ratio Lower Upper

105 100

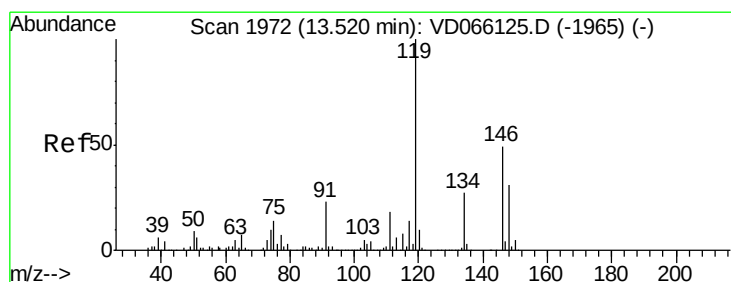
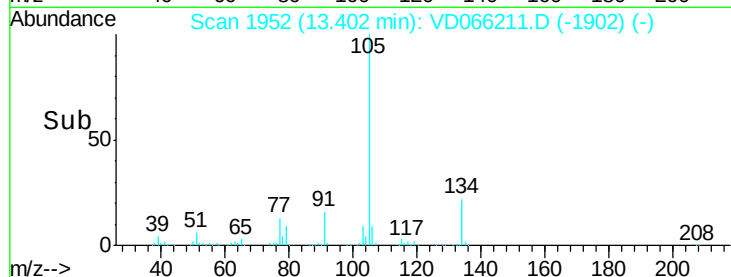
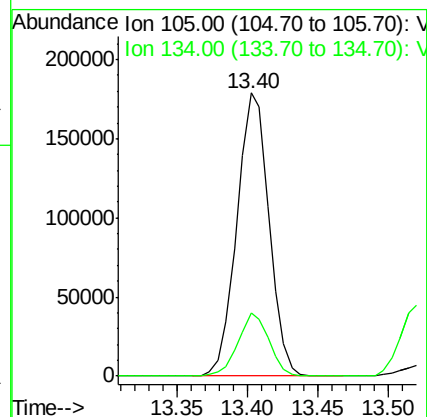
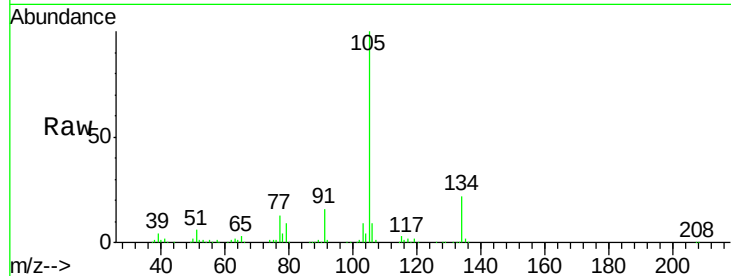
134 21.4 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.332 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066211.D

Acq: 13 Aug 2020 15:39

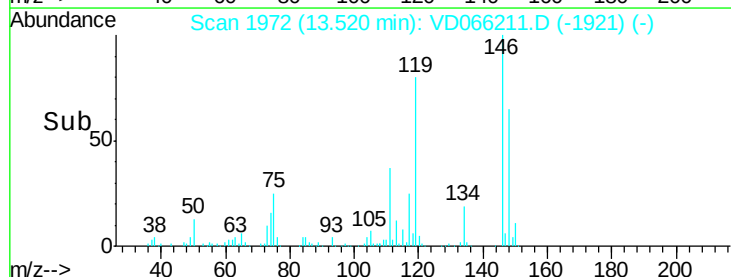
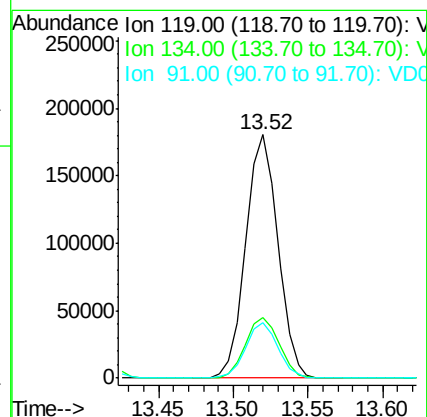
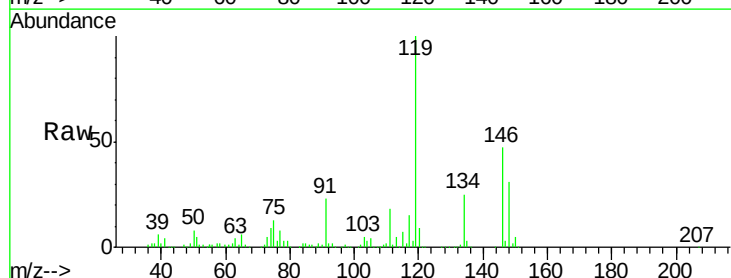
Tgt Ion:119 Resp: 269664

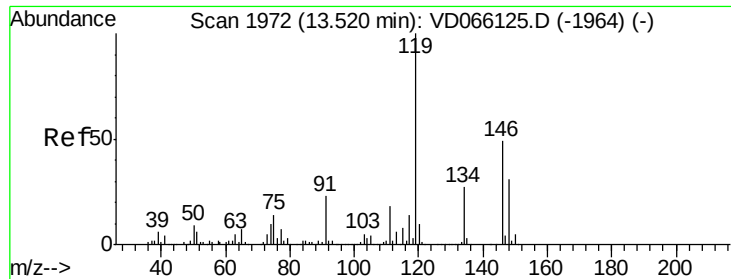
Ion Ratio Lower Upper

119 100

134 26.2 13.5 40.4

91 22.8 11.2 33.5





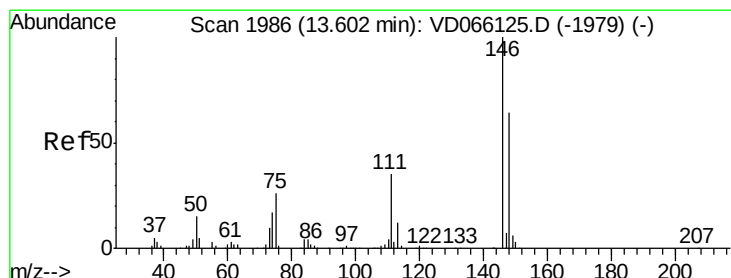
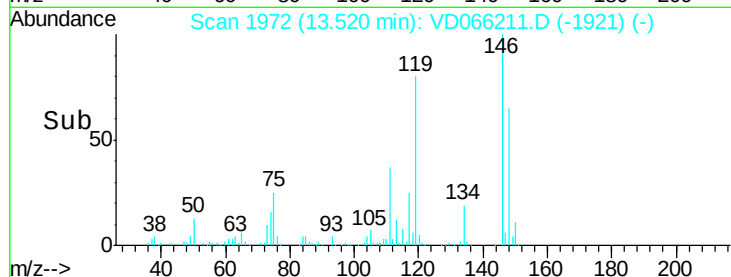
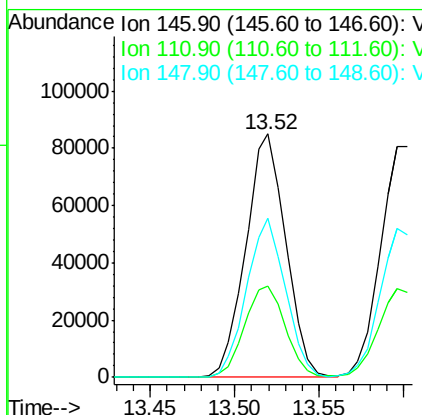
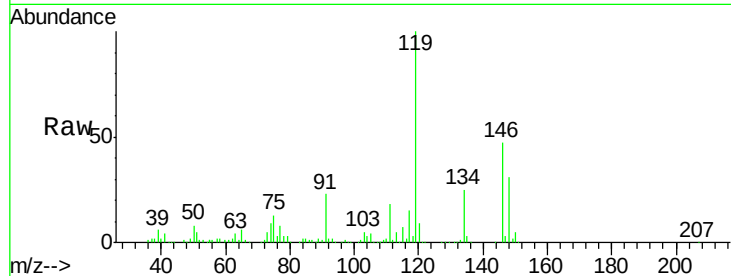
#87
 1,3-Dichlorobenzene
 Concen: 19.370 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	140355		
111	38.3	18.9	56.9	
148	63.5	31.8	95.3	

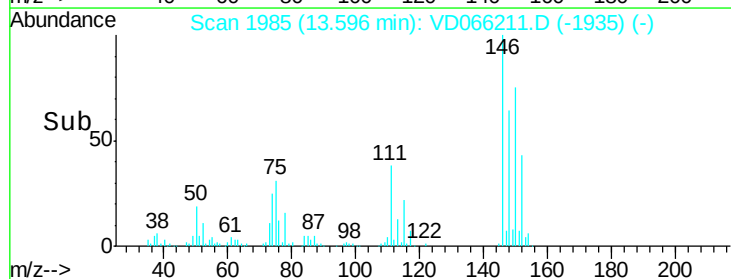
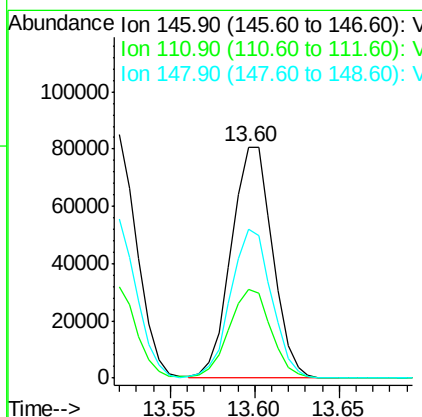
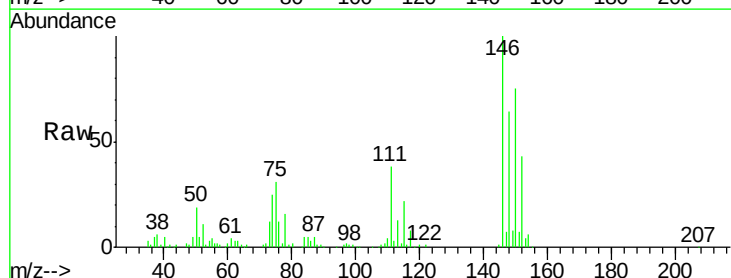
Manual Integrations
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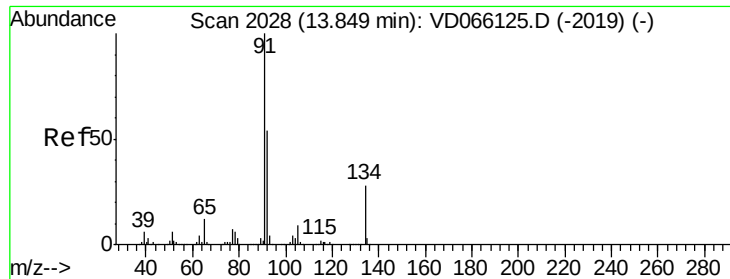
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#88
 1,4-Dichlorobenzene
 Concen: 19.093 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	137971		
111	38.9	18.6	55.8	
148	63.8	32.4	97.0	





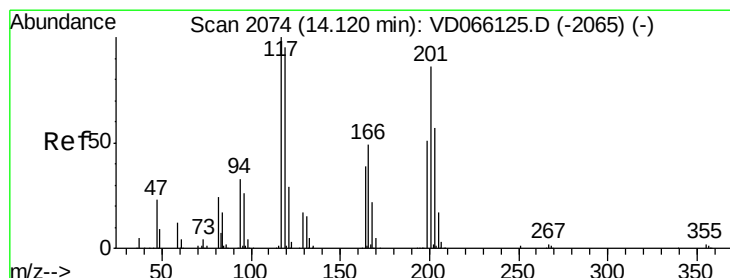
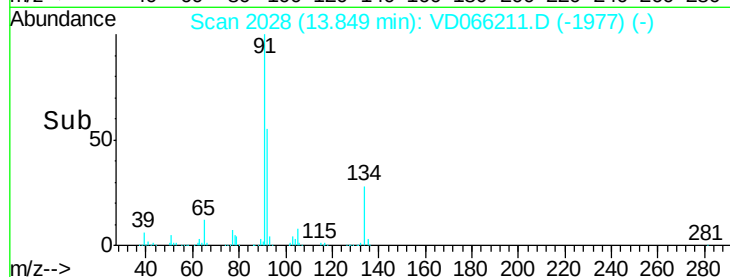
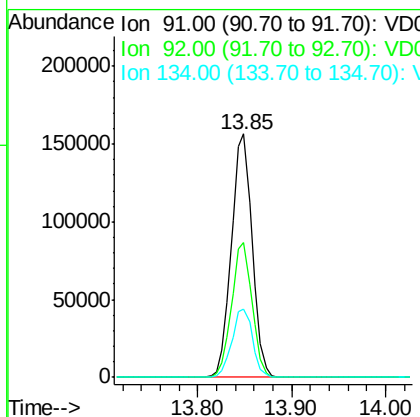
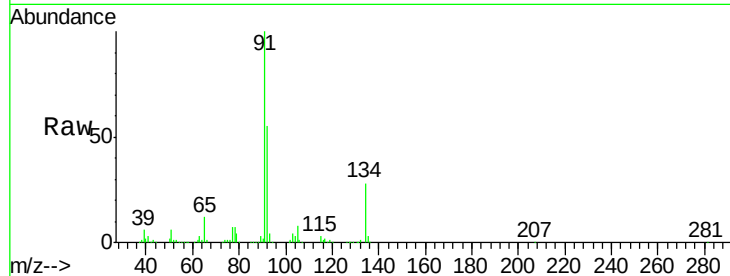
#89
n-Butylbenzene
Concen: 19.118 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	54.5	26.8	80.3	
134	28.2	14.0	41.9	

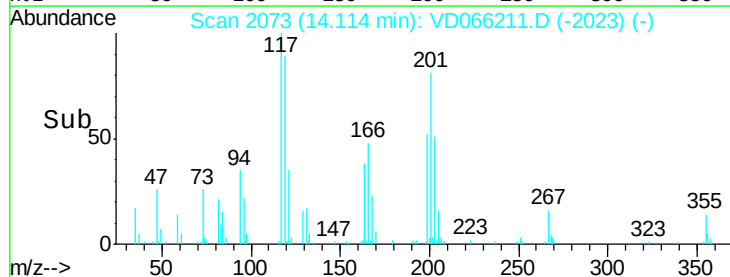
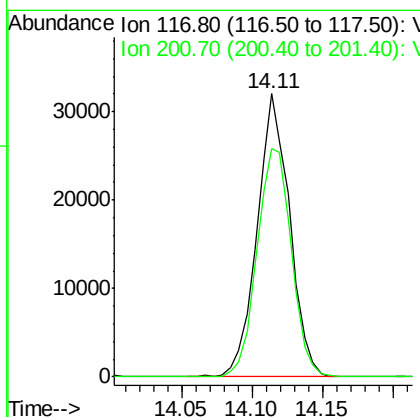
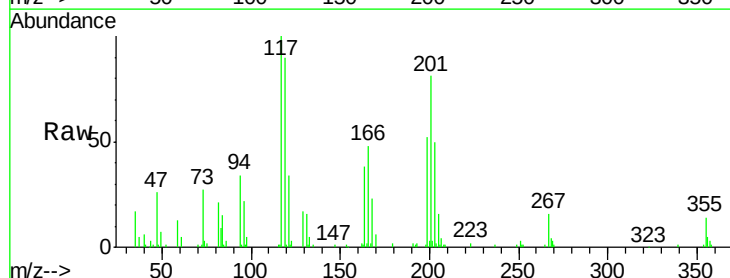
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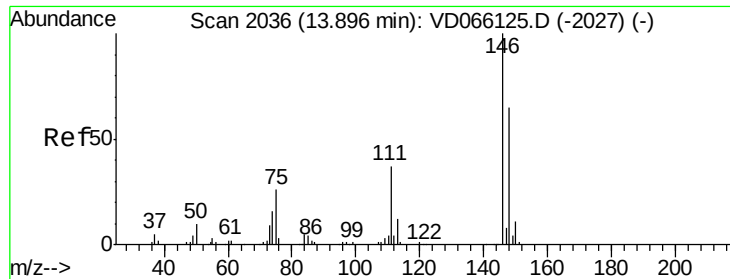
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#90
Hexachloroethane
Concen: 18.624 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.4	42.7	128.1	





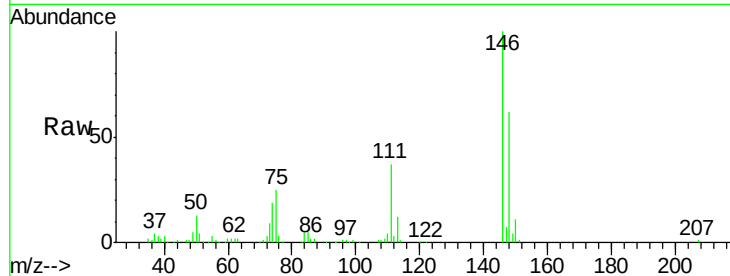
#91
 1,2-Dichlorobenzene
 Concen: 19.067 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

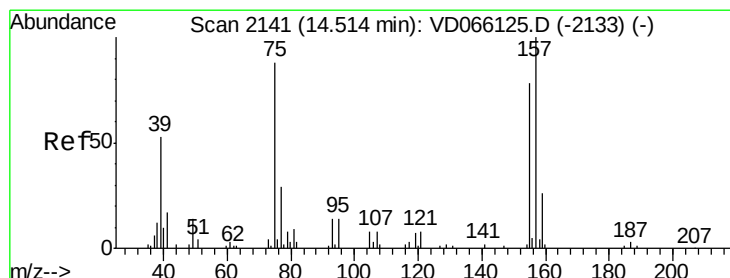
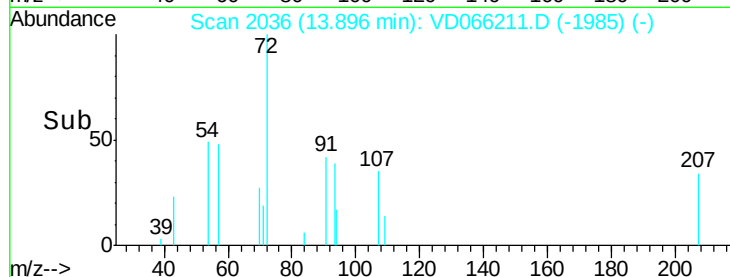
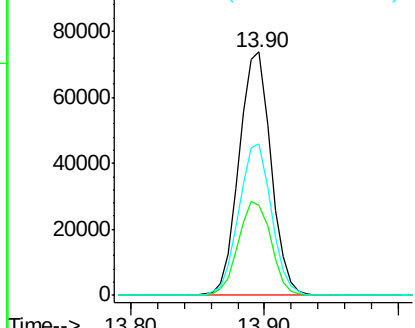
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	18.8	56.3
148	63.5	31.9	95.5

Manual Integrations
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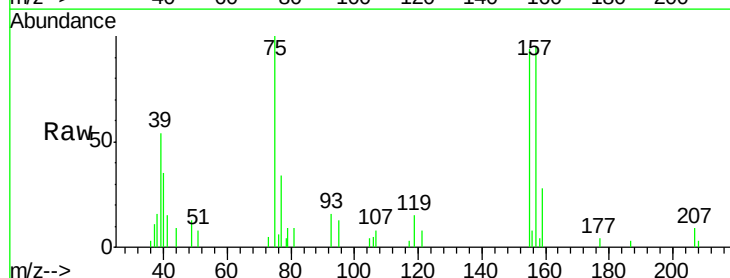


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

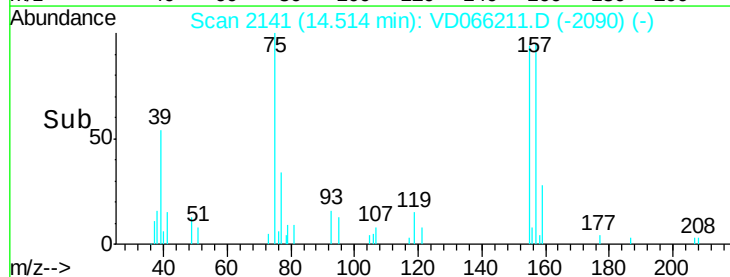
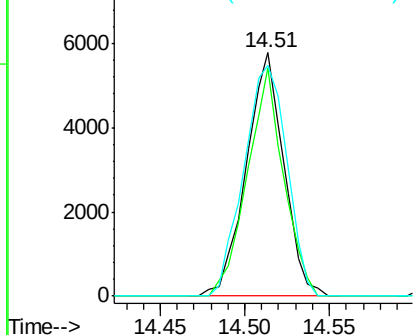


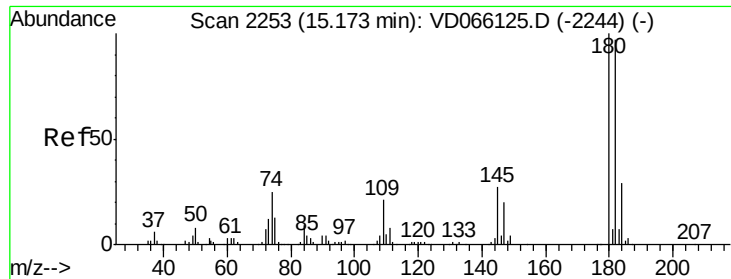
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.349 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.9	47.7	143.1
157	109.0	62.1	186.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





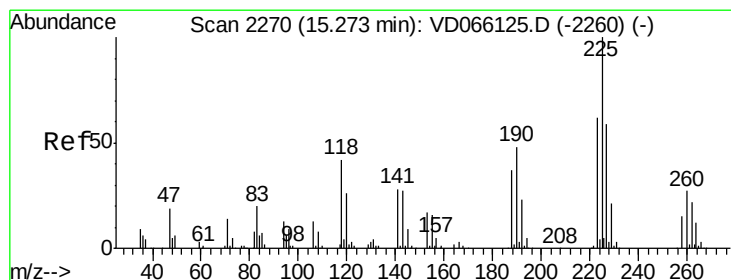
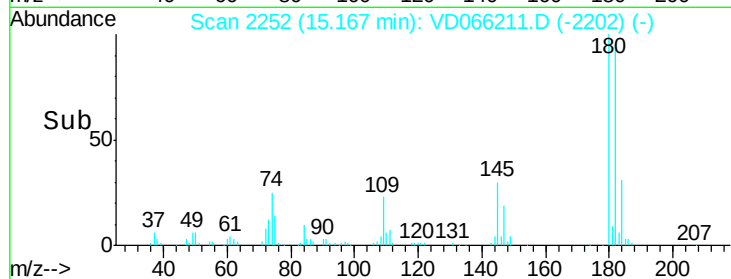
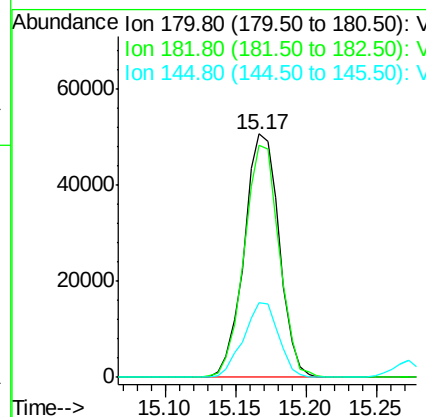
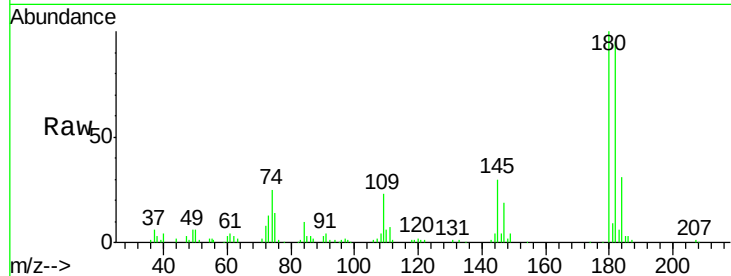
#93
 1,2,4-Trichlorobenzene
 Concen: 18.677 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	88201		
182	95.4	47.4	142.2	
145	30.6	14.5	43.6	

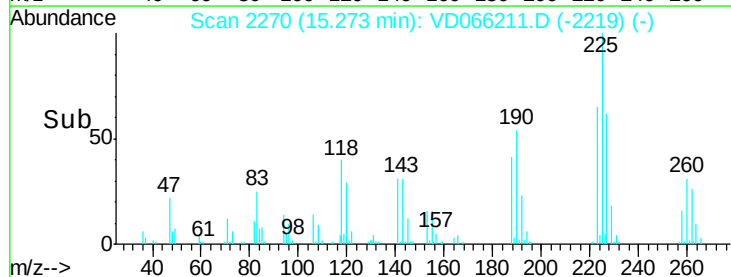
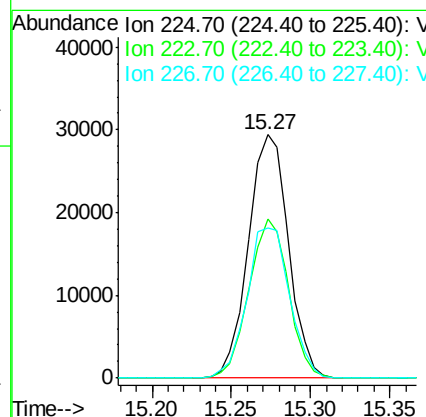
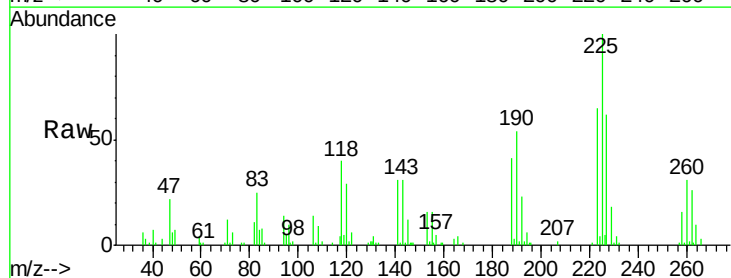
Manual Integrations
 APPROVED

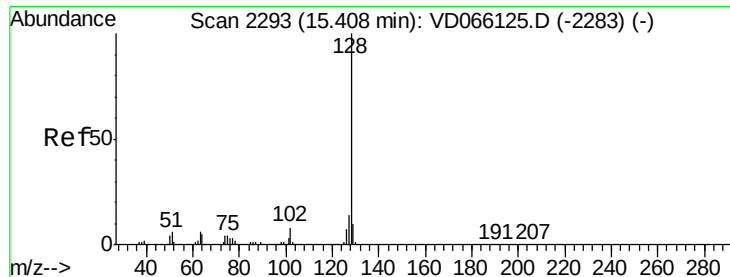
MMDadoda
 8/14/2020 5:11:55 PM



#94
 Hexachlorobutadiene
 Concen: 18.629 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066211.D
 Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51806		
223	64.4	32.3	96.9	
227	65.8	32.1	96.5	





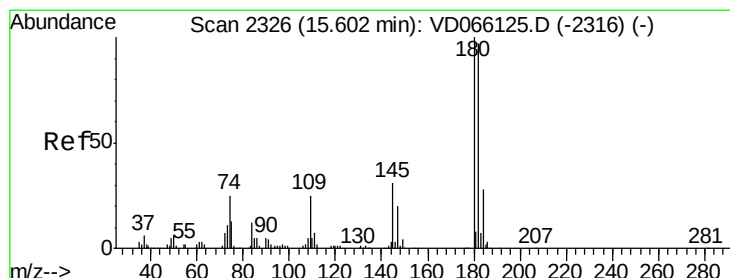
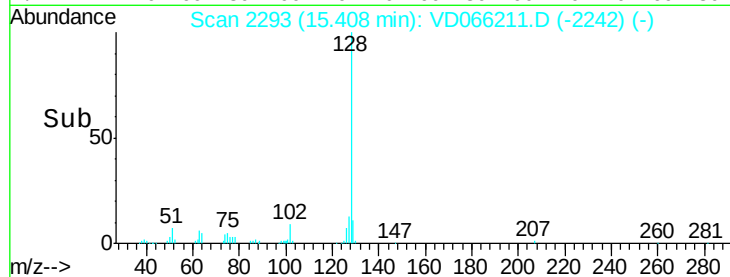
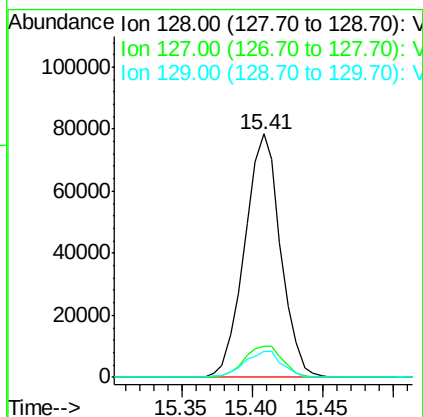
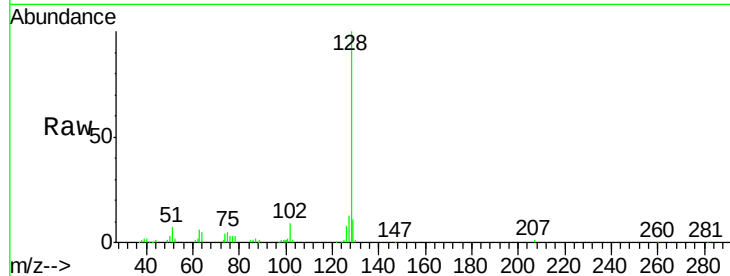
#95
Naphthalene
Concen: 18.194 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	140005		
127	13.9		11.0	16.4
129	11.5		8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/14/2020 5:11:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.413 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066211.D
Acq: 13 Aug 2020 15:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	76763		
182	95.5		47.1	141.4
145	32.5		14.9	44.9

