

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080520\
 Data File : VD066125.D
 Acq On : 05 Aug 2020 11:58
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 8/6/2020 1:54:20 PM

Quant Time: Aug 05 13:44:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:31:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	362030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	517323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	479874	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	247454	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	162248	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
35) Dibromofluoromethane	7.91	113	168739	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
50) Toluene-d8	10.34	98	631320	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.64	95	221443	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	140646	41.797	ug/l	100
3) Chloromethane	2.20	50	107789	40.708	ug/l	100
4) Vinyl Chloride	2.34	62	99554	43.929	ug/l	100
5) Bromomethane	2.76	94	68963	44.502	ug/l	100
6) Chloroethane	2.91	64	61107	43.287	ug/l	100
7) Trichlorofluoromethane	3.26	101	264177	44.751	ug/l	100
8) Diethyl Ether	3.70	74	77685	48.222	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	160807	46.065	ug/l	100
10) Methyl Iodide	4.29	142	130770	61.008	ug/l	100
11) Tert butyl alcohol	5.23	59	56991	147.995	ug/l	100
12) 1,1-Dichloroethene	4.06	96	151988	46.389	ug/l	100
13) Acrolein	3.91	56	57768	220.829	ug/l	100
14) Allyl chloride	4.70	41	234743	47.737	ug/l	100
15) Acrylonitrile	5.42	53	165061	243.677	ug/l	100
16) Acetone	4.15	43	154604	248.424	ug/l	100
17) Carbon Disulfide	4.40	76	481408	46.155	ug/l	100
18) Methyl Acetate	4.71	43	70238	44.004	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	354462	48.292	ug/l	100
20) Methylene Chloride	4.96	84	176498	38.451	ug/l	100
21) trans-1,2-Dichloroethene	5.46	96	174383	46.240	ug/l	100
22) Diisopropyl ether	6.36	45	467271	48.082	ug/l	100
23) Vinyl Acetate	6.30	43	1398526	248.666	ug/l	100
24) 1,1-Dichloroethane	6.26	63	283497	46.761	ug/l	100
25) 2-Butanone	7.21	43	213339	231.709	ug/l	100
26) 2,2-Dichloropropane	7.20	77	249655	44.983	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	187038	47.924	ug/l	100
28) Bromochloromethane	7.54	49	104199	49.178	ug/l	100
29) Tetrahydrofuran	7.56	42	137932	246.466	ug/l	100
30) Chloroform	7.70	83	297410	46.610	ug/l	100
31) Cyclohexane	7.98	56	255907	43.290	ug/l	100
32) 1,1,1-Trichloroethane	7.90	97	281312	47.116	ug/l	100
36) 1,1-Dichloropropene	8.11	75	238257	47.716	ug/l	100
37) Ethyl Acetate	7.29	43	90453	46.681	ug/l	100
38) Carbon Tetrachloride	8.09	117	258666	46.597	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	289022	48.778	ug/l	100
40) Benzene	8.34	78	650540	46.949	ug/l	100
41) Methacrylonitrile	7.53	41	53740	48.670	ug/l	100
42) 1,2-Dichloroethane	8.42	62	191149	47.233	ug/l	100
43) Isopropyl Acetate	8.45	43	182296	48.143	ug/l	100
44) Trichloroethene	9.11	130	196045	47.348	ug/l	100
45) 1,2-Dichloropropane	9.38	63	158579	47.274	ug/l	100
46) Dibromomethane	9.47	93	90703	49.178	ug/l	100
47) Bromodichloromethane	9.66	83	234060	47.992	ug/l	100
48) Methyl methacrylate	9.46	41	99301	49.790	ug/l	100
49) 1,4-Dioxane	9.46	88	23128	977.757	ug/l	100
51) 4-Methyl-2-Pentanone	10.23	43	480258	243.392	ug/l	100
52) Toluene	10.40	92	439765	48.492	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	225593	49.373	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	263769	49.378	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	125226	46.591	ug/l	100
56) Ethyl methacrylate	10.66	69	159746	51.812	ug/l	100
57) 1,3-Dichloropropane	10.95	76	213883	48.390	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	360638	257.093	ug/l	100
59) 2-Hexanone	10.98	43	340012	246.417	ug/l	100
60) Dibromochloromethane	11.14	129	177631	48.275	ug/l	100
61) 1,2-Dibromoethane	11.25	107	124086	48.687	ug/l	100
64) Tetrachloroethene	10.87	164	175754	46.728	ug/l	100
65) Chlorobenzene	11.67	112	470348	47.226	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	184597	47.146	ug/l	100
67) Ethyl Benzene	11.74	91	821890	48.086	ug/l	100
68) m/p-Xylenes	11.86	106	646582	97.272	ug/l	100
69) o-Xylene	12.18	106	293480	49.068	ug/l	100
70) Styrene	12.20	104	518571	49.217	ug/l	100
71) Bromoform	12.36	173	108908	47.276	ug/l	100
73) Isopropylbenzene	12.48	105	822217	49.367	ug/l	100
74) N-amyl acetate	12.29	43	185272	51.707	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	133244	46.132	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	96323m	47.015	ug/l	
77) Bromobenzene	12.77	156	208577	48.232	ug/l	100
78) n-propylbenzene	12.82	91	948654	48.761	ug/l	100
79) 2-Chlorotoluene	12.91	91	544952	48.846	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	693839	49.731	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	46268	49.446	ug/l	100
82) 4-Chlorotoluene	13.01	91	574725	48.633	ug/l	100
83) tert-Butylbenzene	13.23	119	614436	50.311	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	695686	49.582	ug/l	100
85) sec-Butylbenzene	13.41	105	820454	49.543	ug/l	100
86) p-Isopropyltoluene	13.52	119	765817	49.168	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	385631	46.869	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	387988	47.463	ug/l	100
89) n-Butylbenzene	13.85	91	693757	50.222	ug/l	100
90) Hexachloroethane	14.12	117	147305	47.336	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	342199	47.159	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	22550	45.870	ug/l	100

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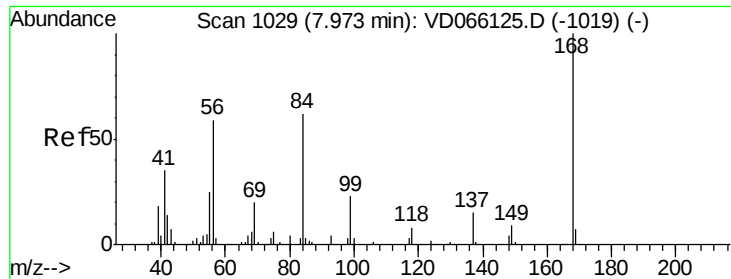
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	258923	49.719	ug/l	100
94) Hexachlorobutadiene	15.27	225	149085	48.209	ug/l	100
95) Naphthalene	15.41	128	435767	53.040	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	229315	49.725	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 362030

Ion Ratio Lower Upper

168 100

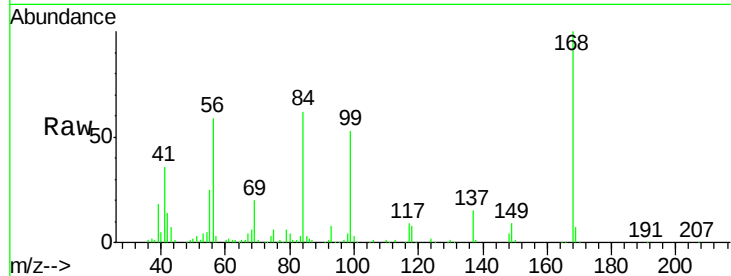
99 52.8 42.2 63.4

Manual Integrations

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8/6/2020 1:54:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

150000

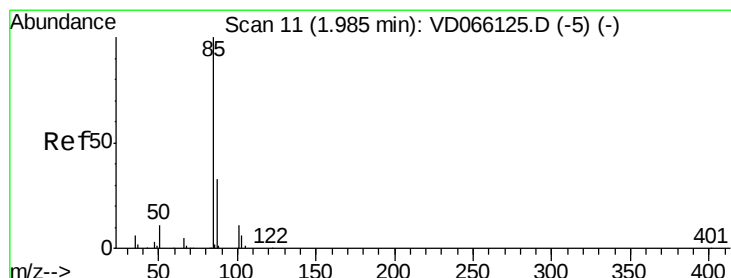
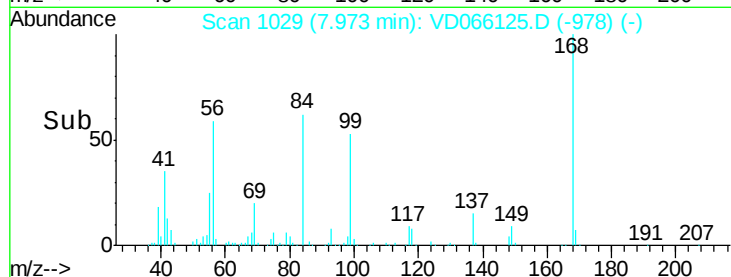
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.797 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066125.D

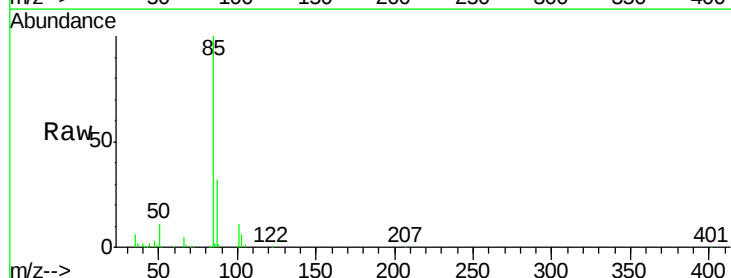
Acq: 05 Aug 2020 11:58

Tgt Ion: 85 Resp: 140646

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

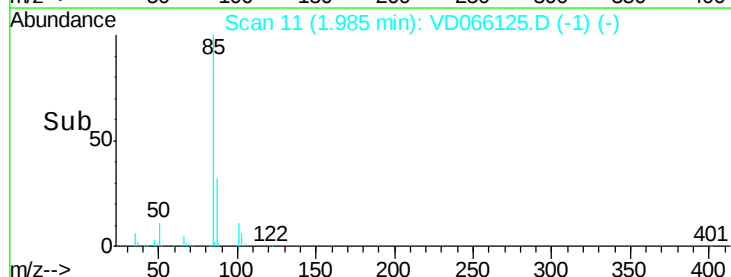
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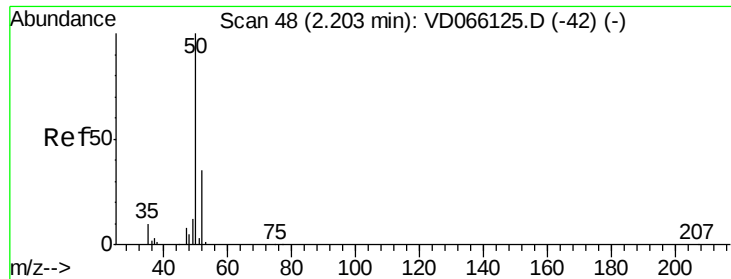
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 40.708 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 107789

Ion Ratio Lower Upper

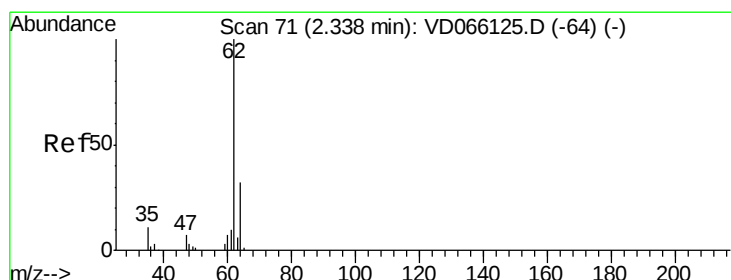
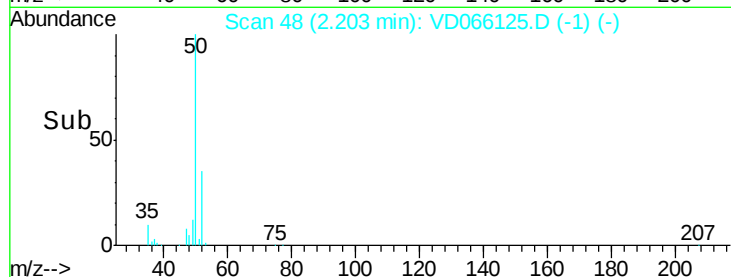
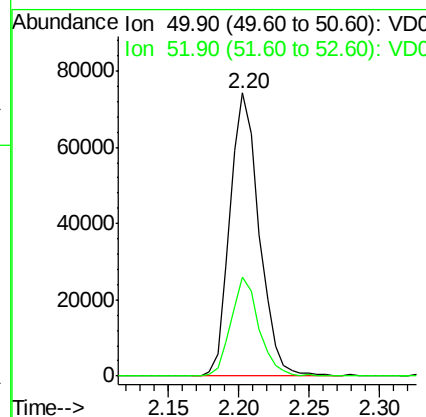
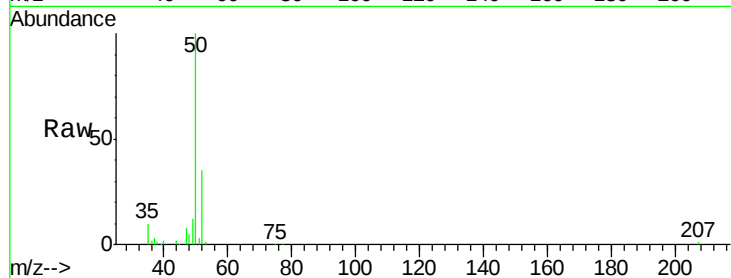
50 100

52 34.9 27.9 41.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 43.929 ug/l

RT: 2.34 min Scan# 71

Delta R.T. 0.00 min

Lab File: VD066125.D

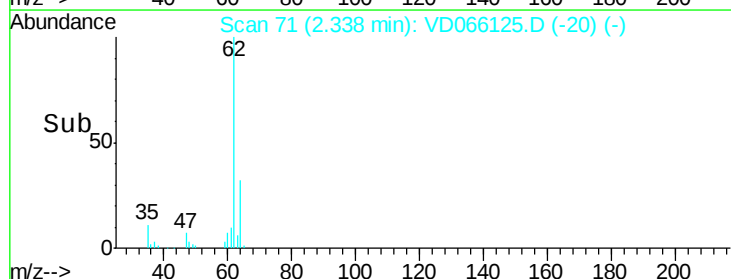
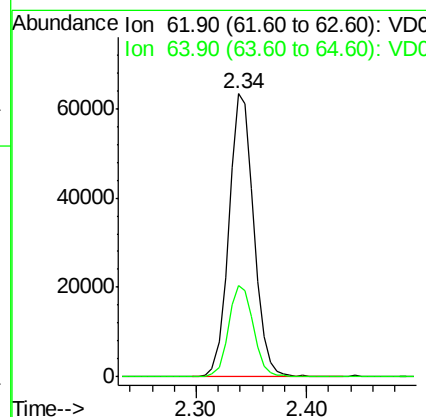
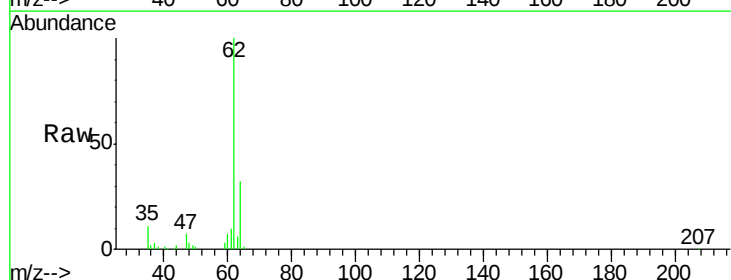
Acq: 05 Aug 2020 11:58

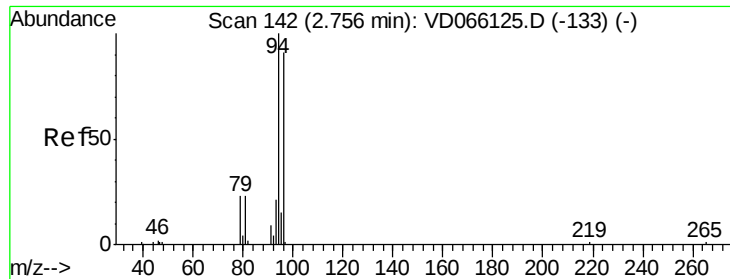
Tgt Ion: 62 Resp: 99554

Ion Ratio Lower Upper

62 100

64 32.3 25.8 38.8





#5

Bromomethane

Concen: 44.502 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 68963

Ion Ratio Lower Upper

94 100

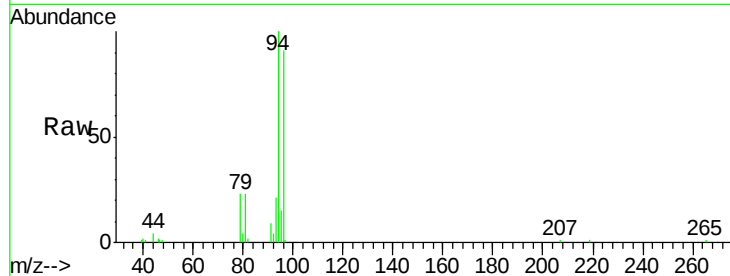
96 90.8 72.6 109.0

Manual Integrations

APPROVED

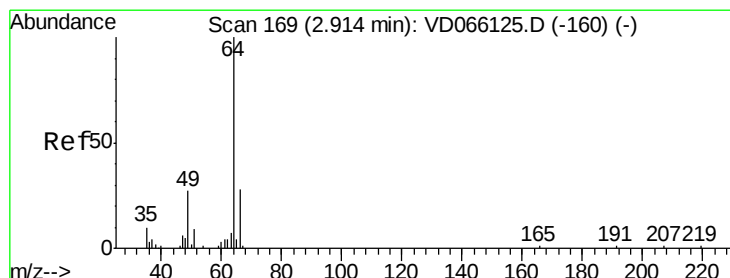
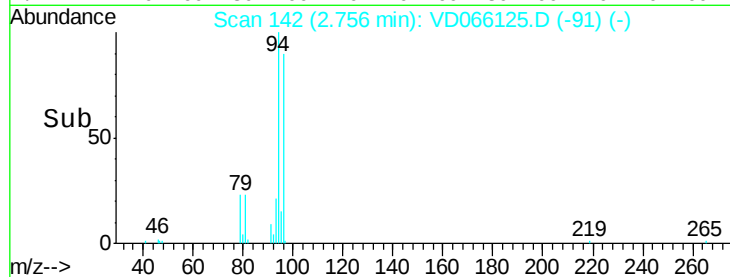
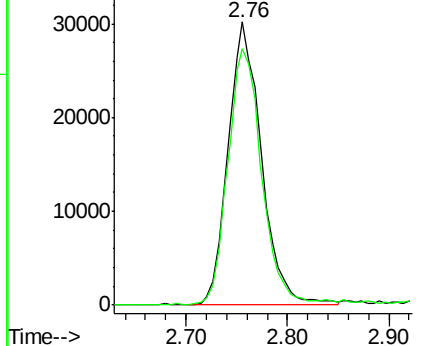
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 43.287 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066125.D

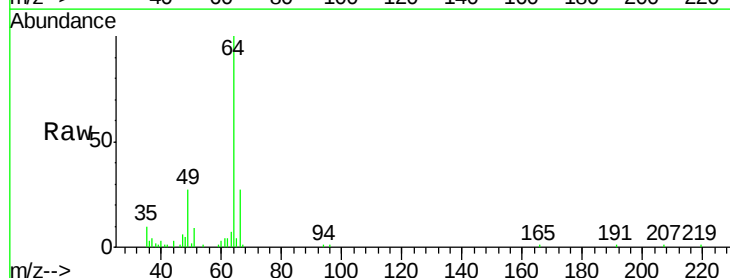
Acq: 05 Aug 2020 11:58

Tgt Ion: 64 Resp: 61107

Ion Ratio Lower Upper

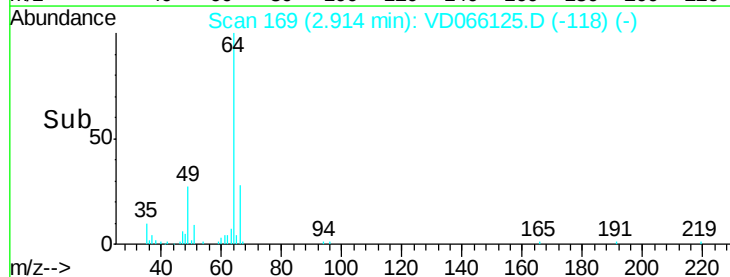
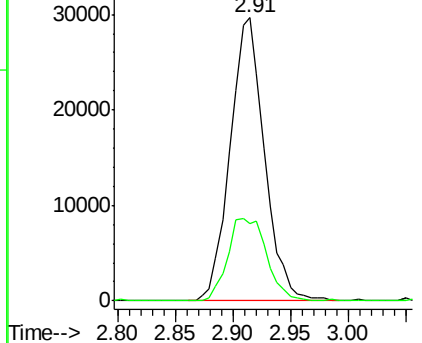
64 100

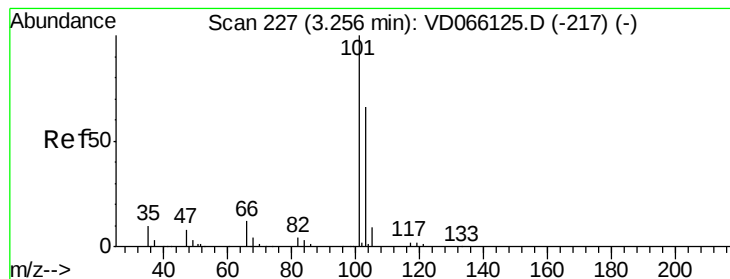
66 27.5 22.0 33.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

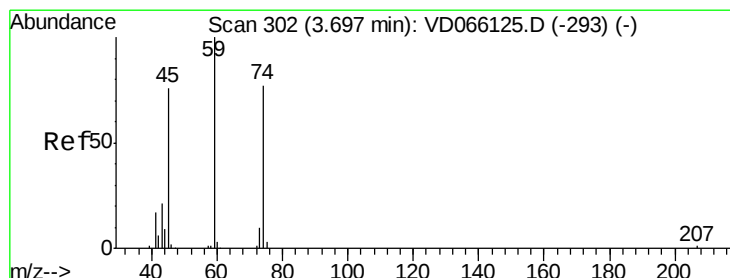
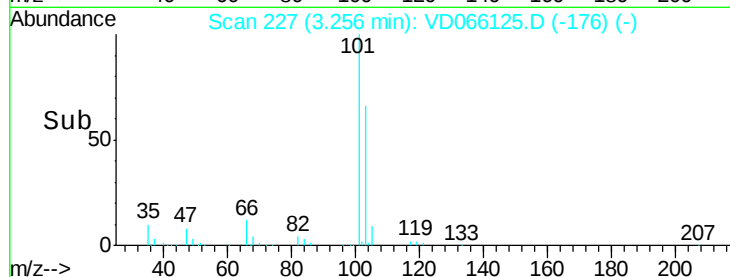
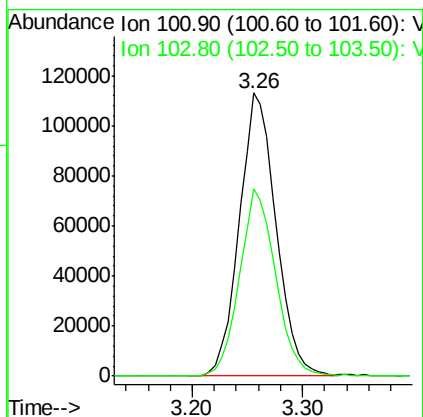
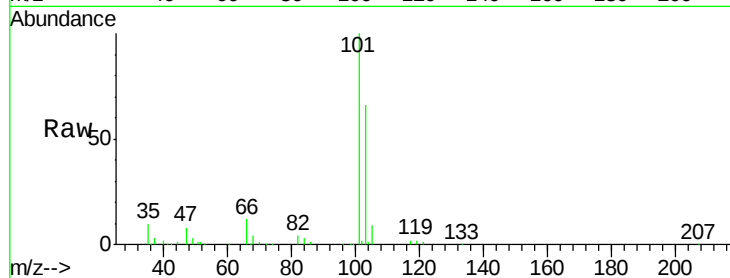
Trichlorofluoromethane
 Concen: 44.751 ug/l
 RT: 3.26 min Scan# 227
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	53.0	79.6

Manual Integrations
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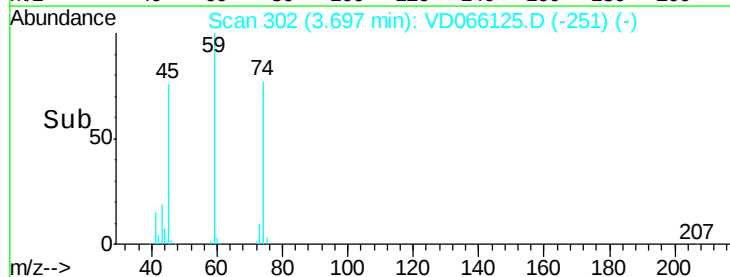
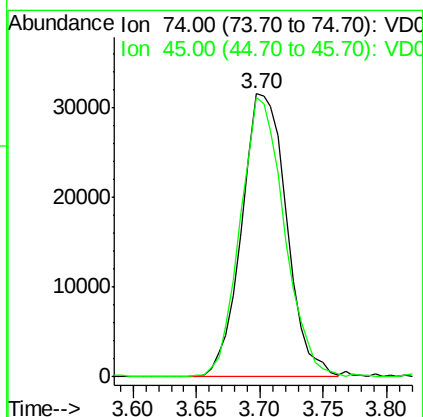
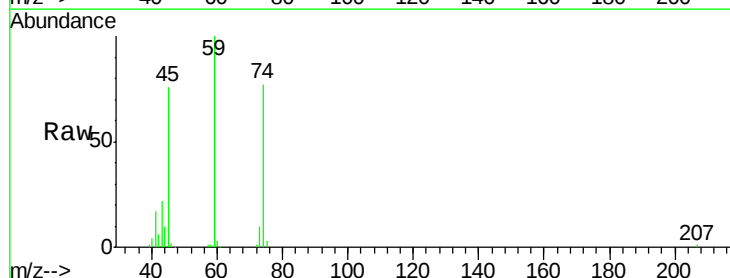
MMDadoda
 8/6/2020 1:54:20 PM

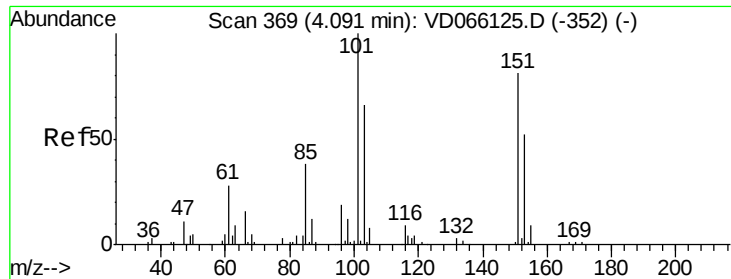


#8

Diethyl Ether
 Concen: 48.222 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.065 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

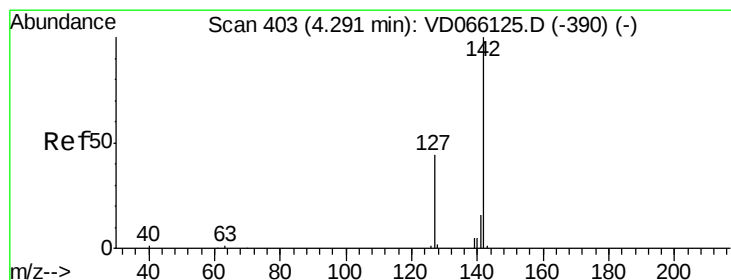
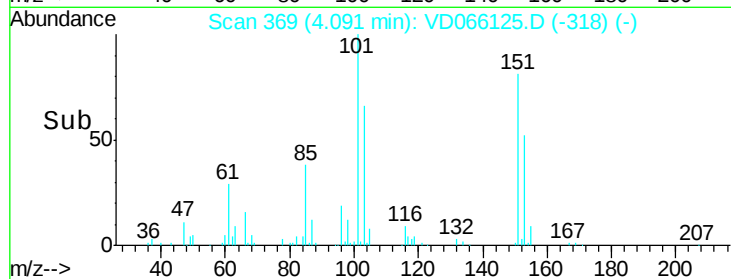
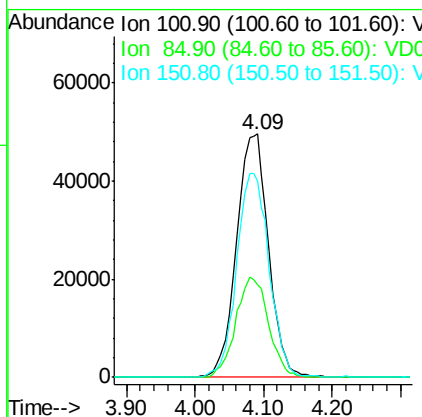
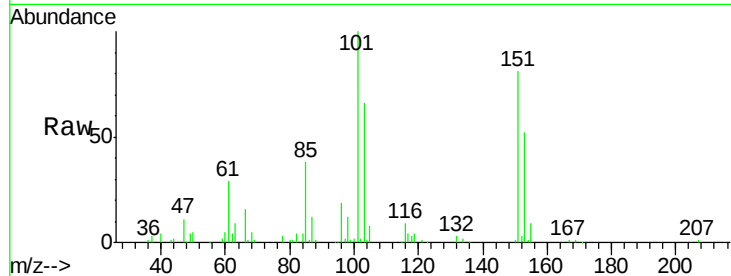
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	160807
Ion Ratio	Lower	Upper	
101	100		
85	41.9	33.5	50.3
151	84.8	67.8	101.8

Manual Integrations
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#10

Methyl Iodide

Concen: 61.008 ug/l

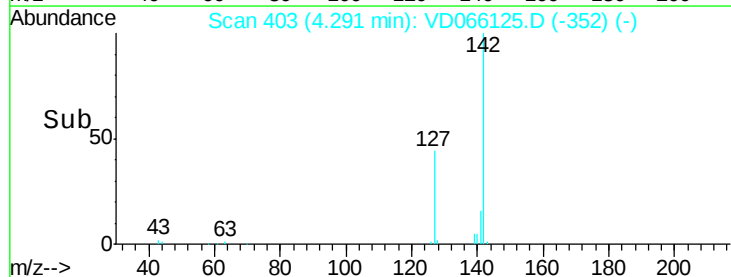
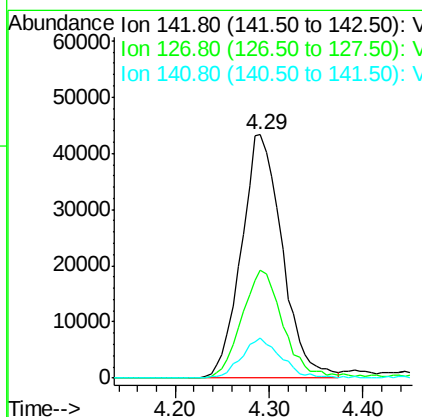
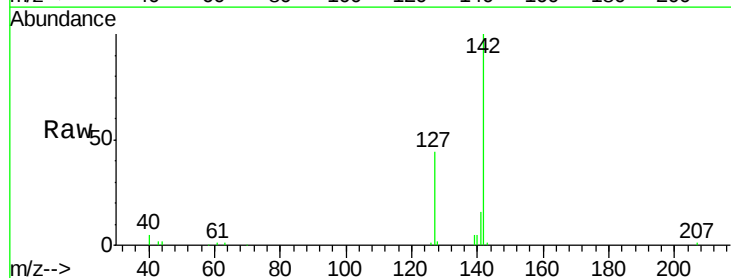
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Tgt Ion:	142	Resp:	130770
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.2	54.4
141	15.7	12.6	18.8





#11

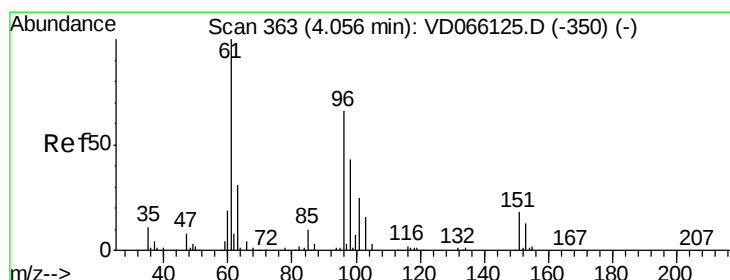
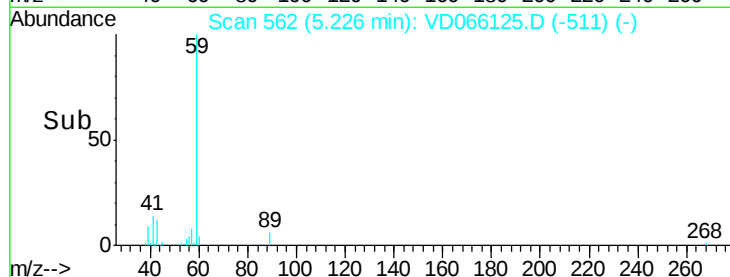
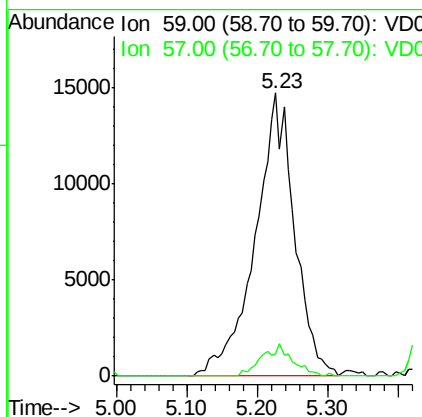
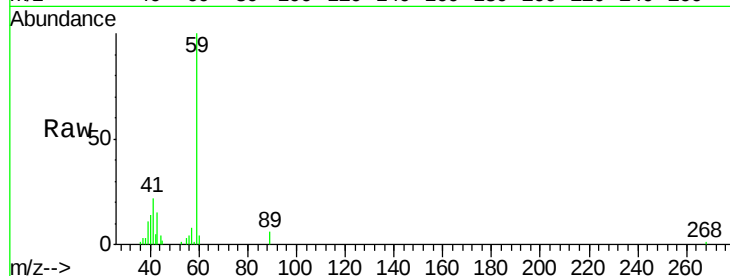
Tert butyl alcohol
 Concen: 147.995 ug/l
 RT: 5.23 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.7	7.0	10.4

Manual Integrations
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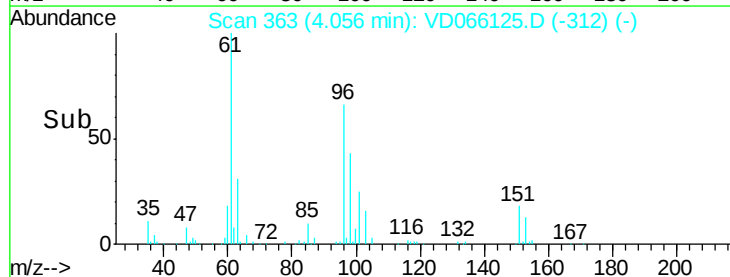
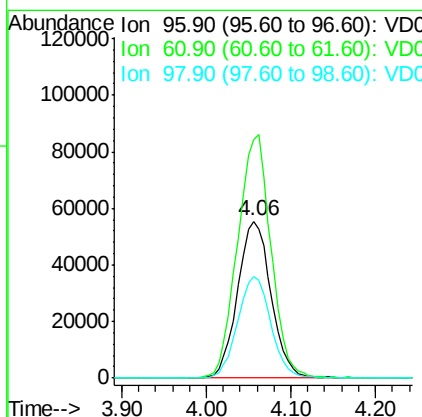
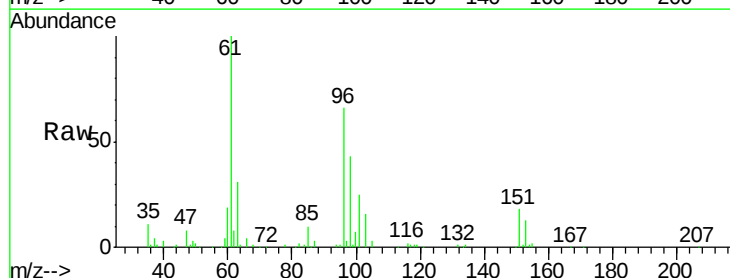
MMDadoda
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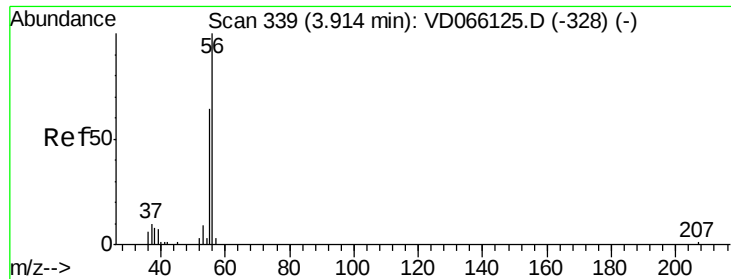


#12

1,1-Dichloroethene
 Concen: 46.389 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.0	121.6	182.4
98	65.0	52.0	78.0





#13

Acrolein

Concen: 220.829 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 57768

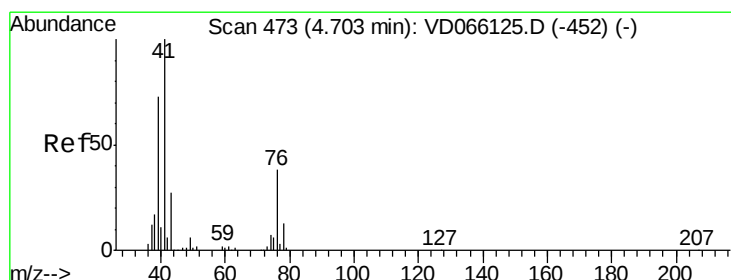
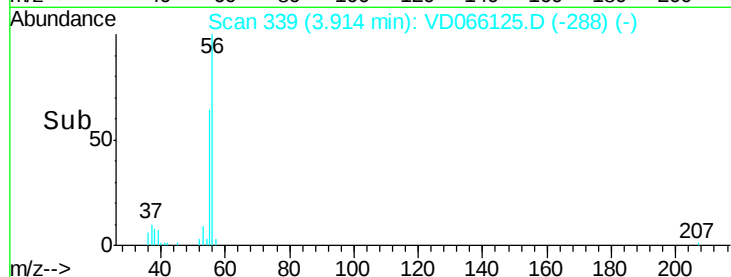
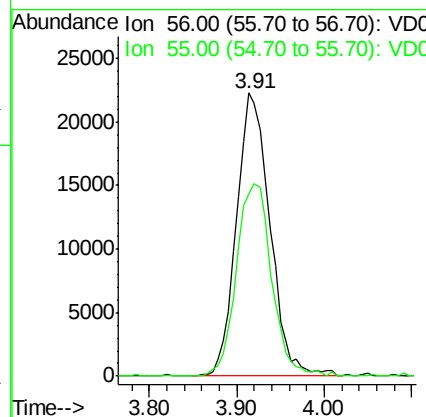
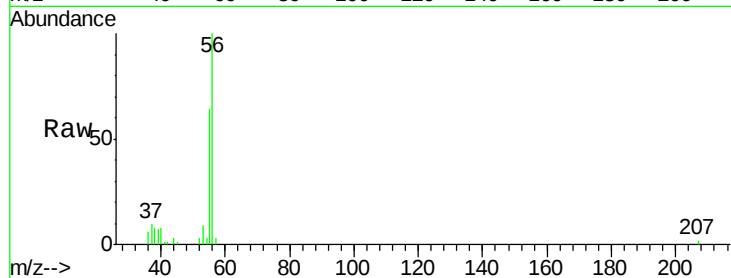
Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1

Manual Integrations
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#14

Allyl chloride

Concen: 47.737 ug/l

RT: 4.70 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

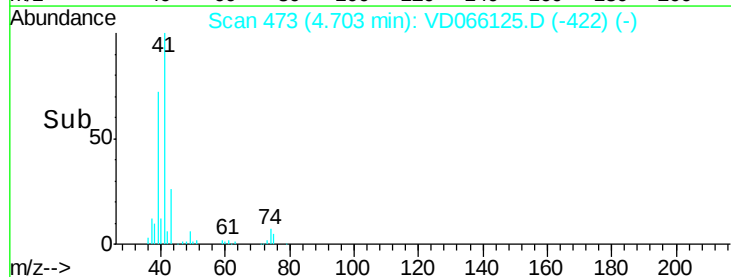
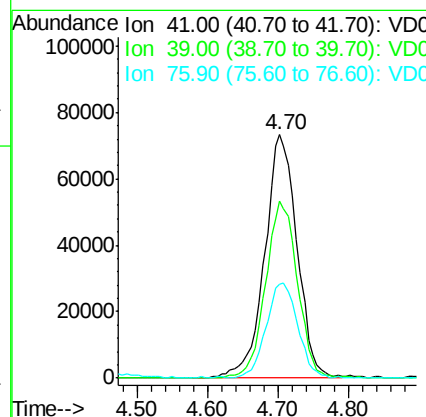
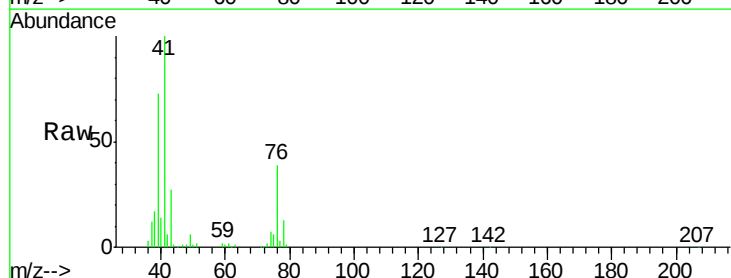
Tgt Ion: 41 Resp: 234743

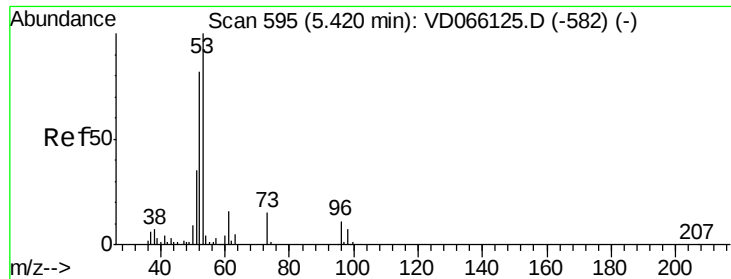
Ion Ratio Lower Upper

41 100

39 71.7 57.4 86.0

76 37.6 30.1 45.1





#15

Acrylonitrile

Concen: 243.677 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

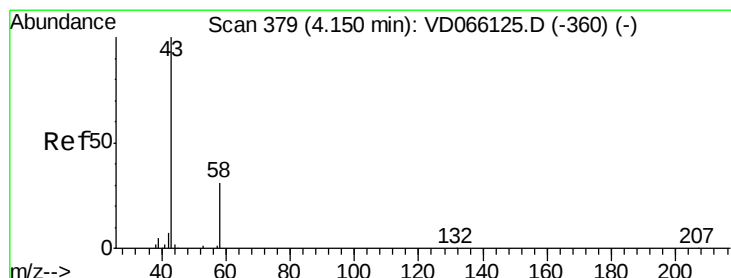
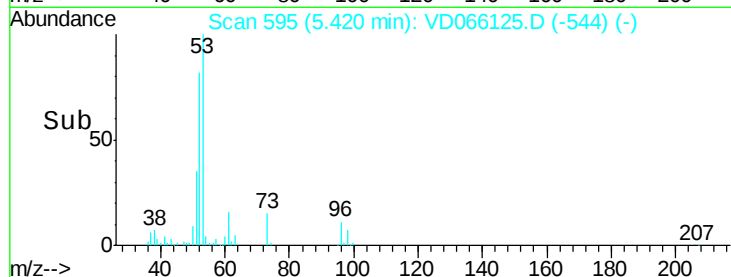
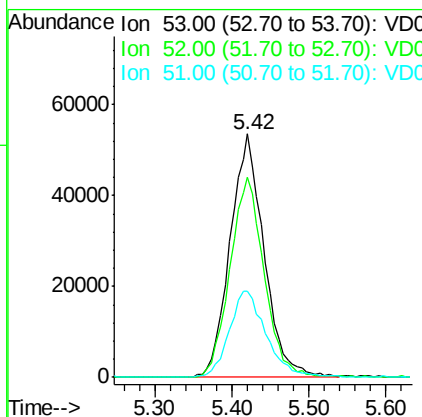
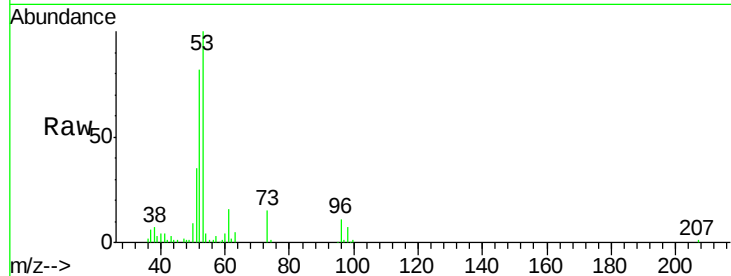
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	165061
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.1	99.1
51	38.5	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 248.424 ug/l

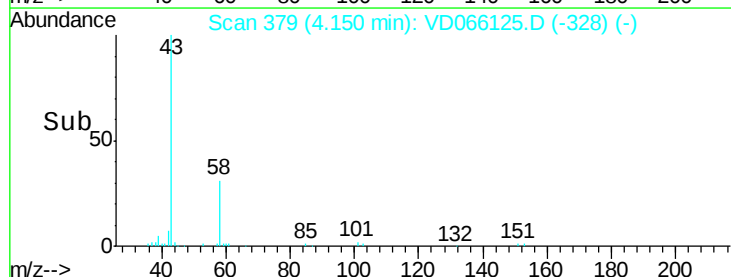
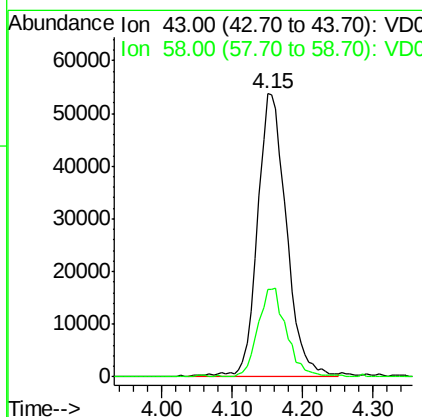
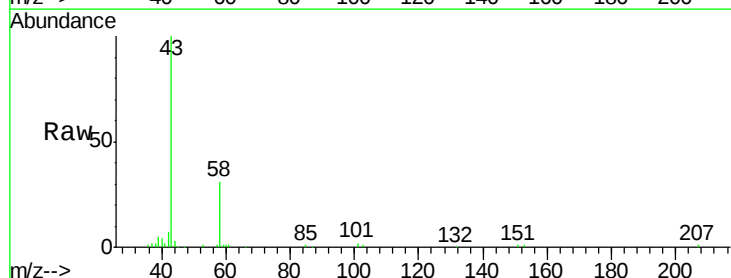
RT: 4.15 min Scan# 379

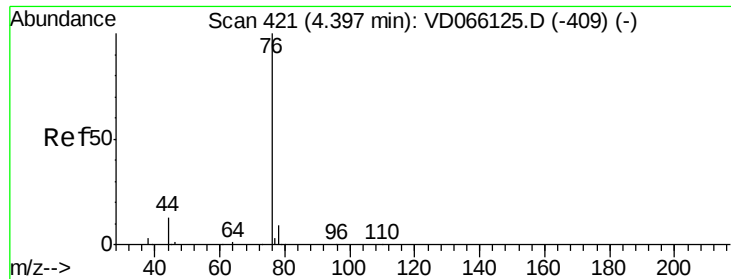
Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Tgt Ion:	43	Resp:	154604
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.7	37.1





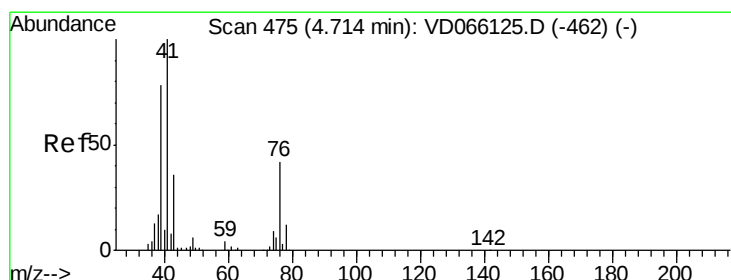
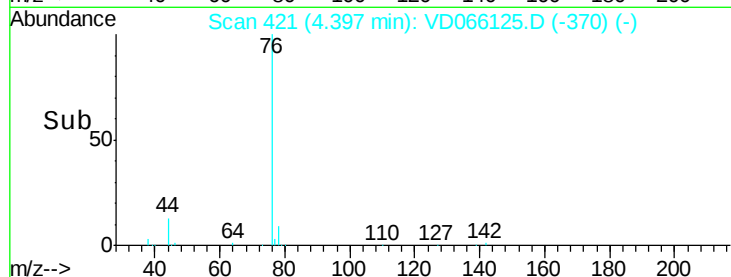
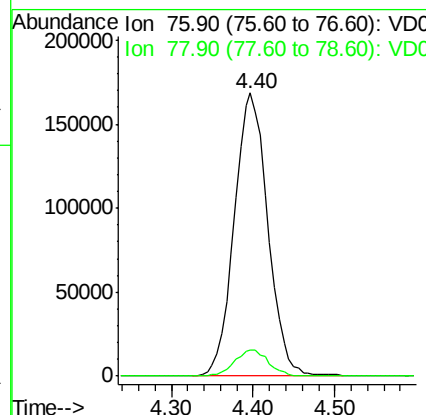
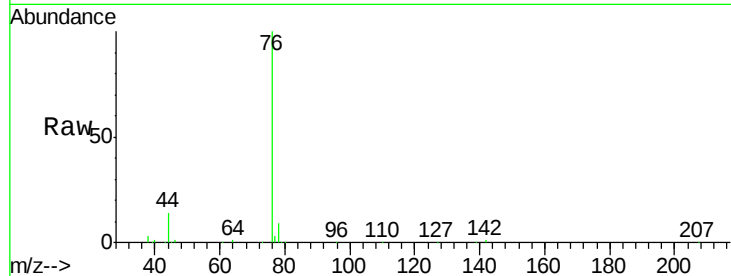
#17
Carbon Disulfide
Concen: 46.155 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.5	11.3

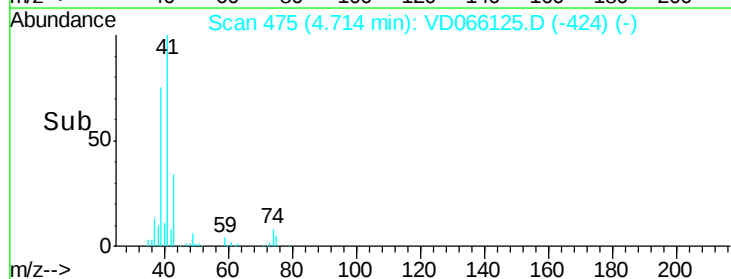
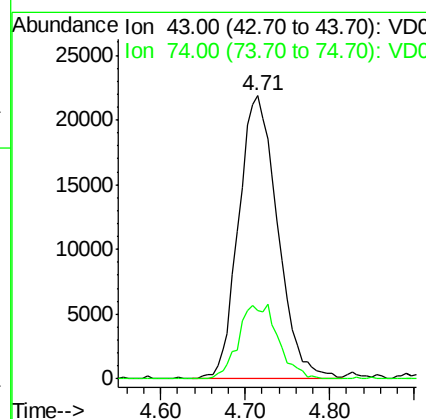
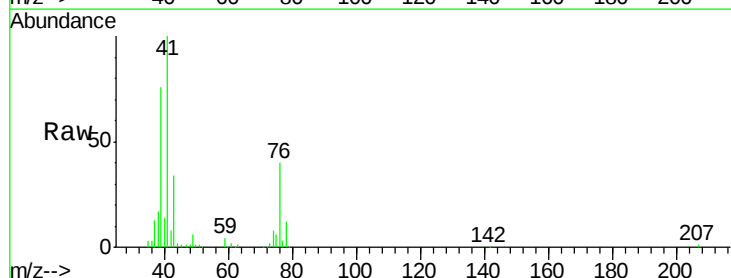
Manual Integrations
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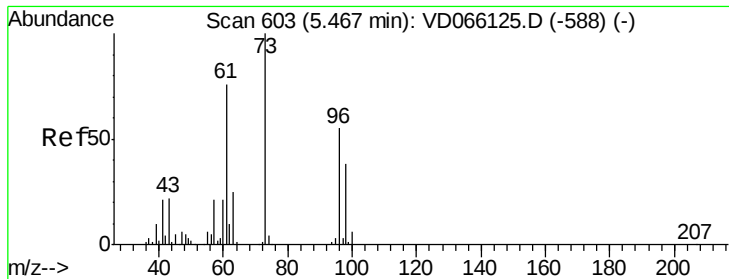
MMDadoda
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#18
Methyl Acetate
Concen: 44.004 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.5	21.2	31.8





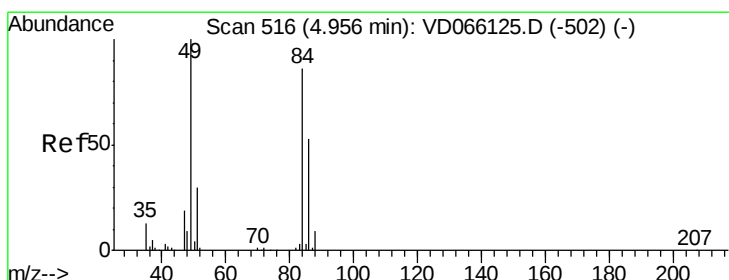
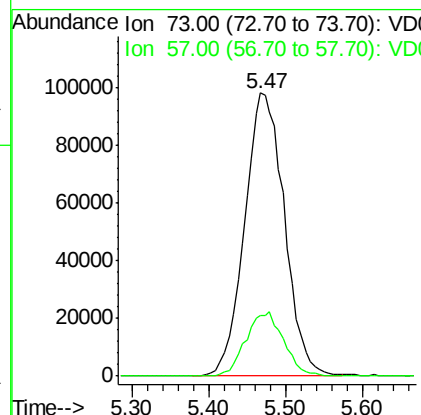
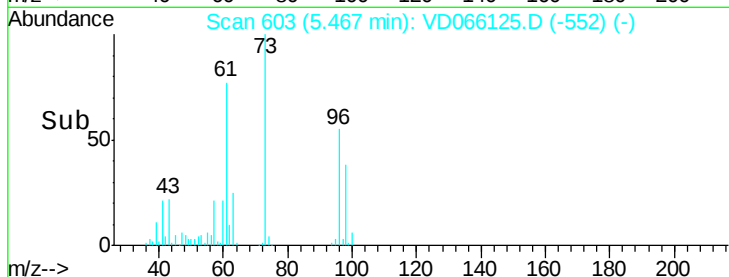
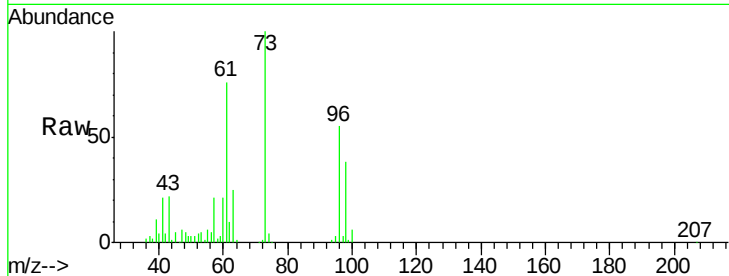
#19
Methyl tert-butyl Ether
Concen: 48.292 ug/l
RT: 5.47 min Scan# 603
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 354462
Ion Ratio Lower Upper
73 100
57 21.4 17.1 25.7

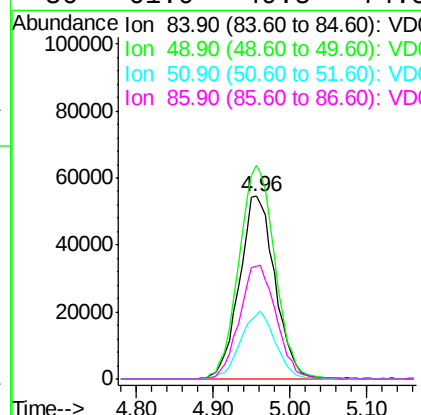
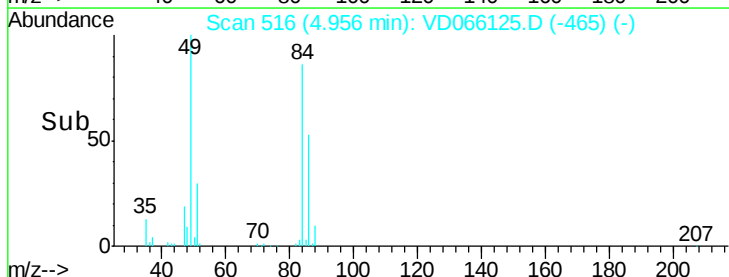
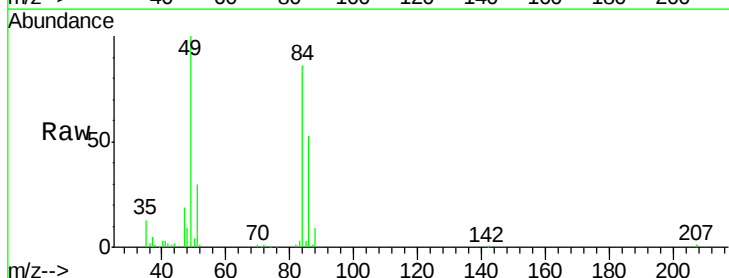
Manual Integrations
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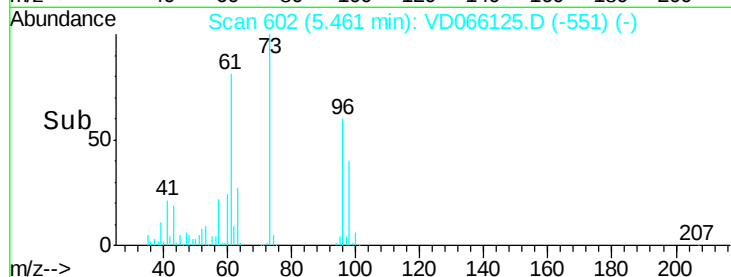
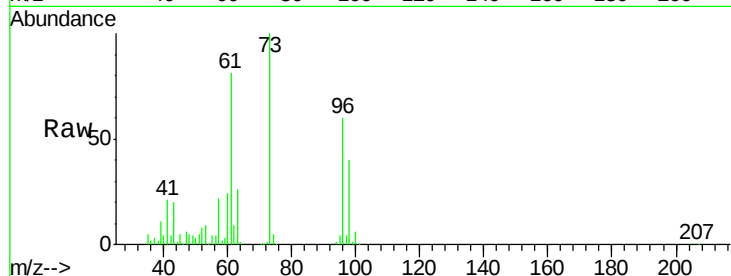
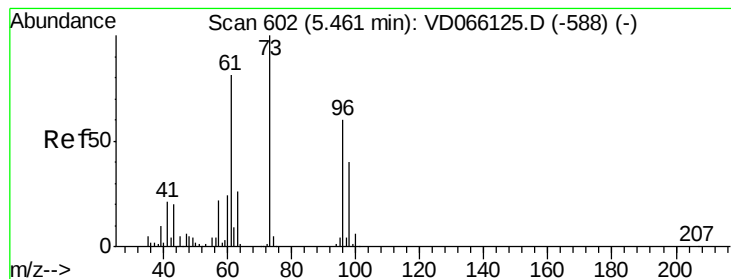
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#20
Methylene Chloride
Concen: 38.451 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion: 84 Resp: 176498
Ion Ratio Lower Upper
84 100
49 116.9 93.5 140.3
51 35.3 28.2 42.4
86 61.9 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 46.240 ug/l

RT: 5.46 min Scan# 602

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Tot Ion:	96	Resp:	174383
Ion	Ratio	Lower	Upper
96	100		
61	133.6	106.9	160.3
98	66.7	53.4	80.0

Instrument :

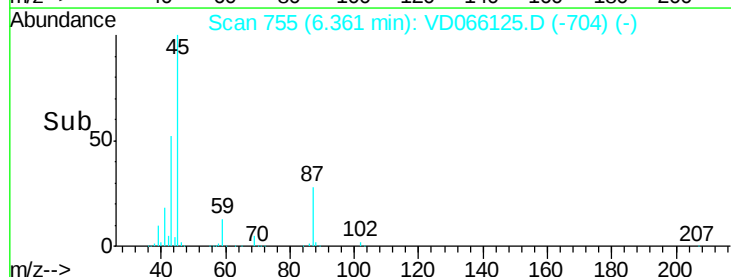
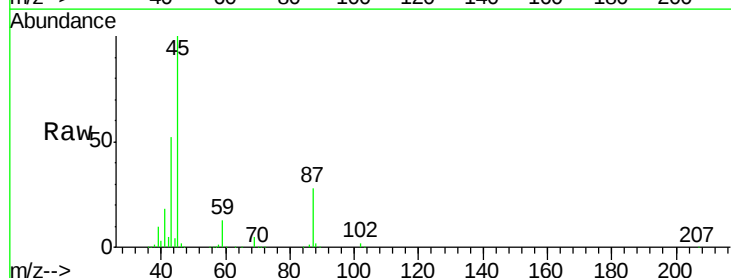
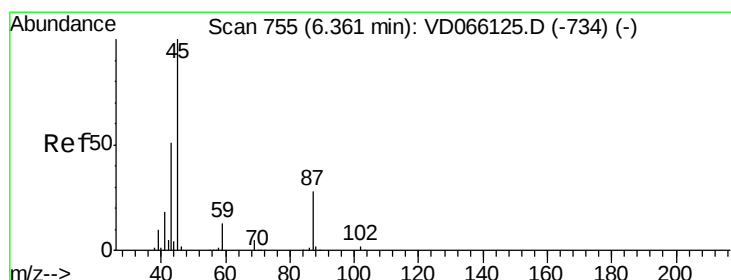
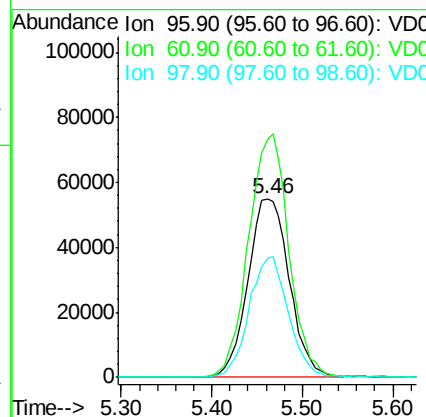
MSVOA_D

ClientSampleId :

VSTDICCC050

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.082 ug/l

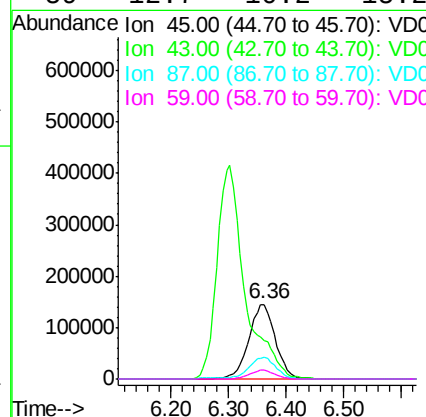
RT: 6.36 min Scan# 755

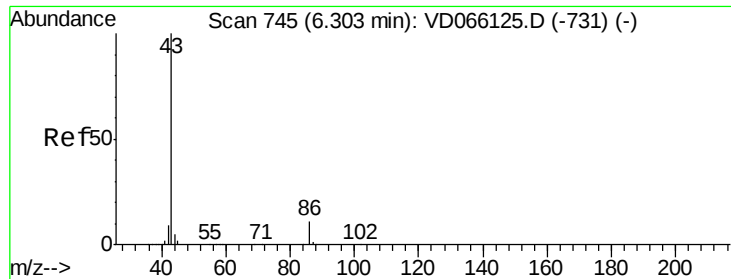
Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Tgt Ion:	45	Resp:	467271
Ion	Ratio	Lower	Upper
45	100		
43	51.5	41.2	61.8
87	28.5	22.8	34.2
59	12.7	10.2	15.2





#23

Vinyl Acetate

Concen: 248.666 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1398526

Ion Ratio Lower Upper

43 100

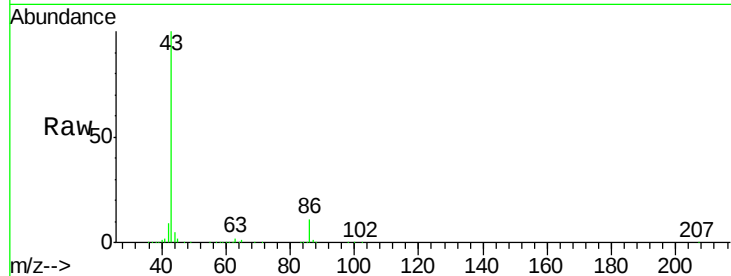
86 11.4 9.1 13.7

Manual Integrations

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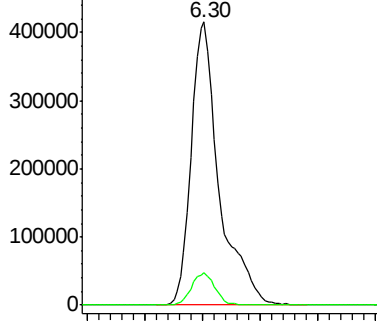
MMDadoda

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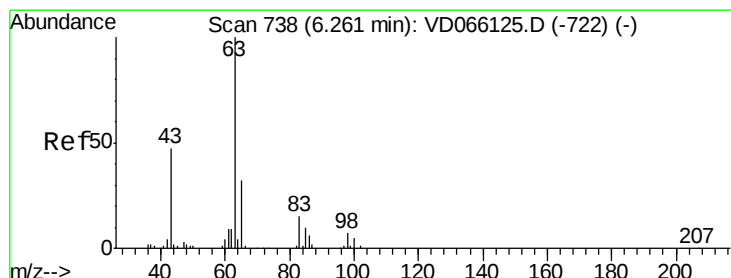
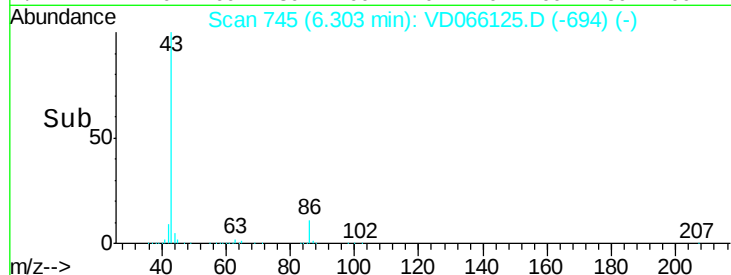


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 46.761 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

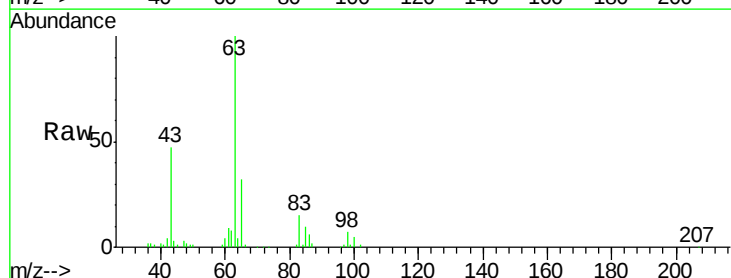
Tgt Ion: 63 Resp: 283497

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

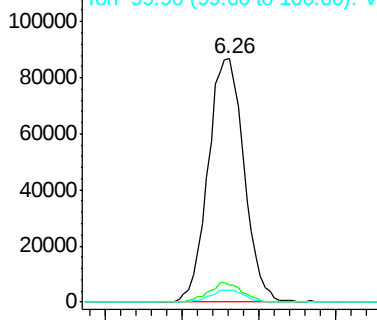
100 4.8 2.4 7.2



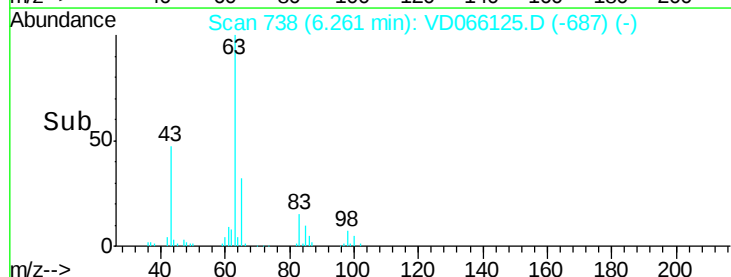
Abundance Ion 62.90 (62.60 to 63.60): VDC

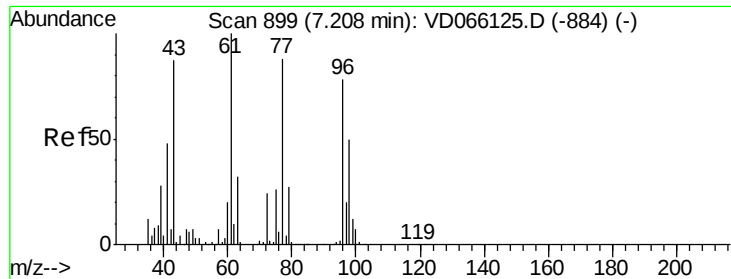
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 231.709 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 213339

Ion Ratio Lower Upper

43 100

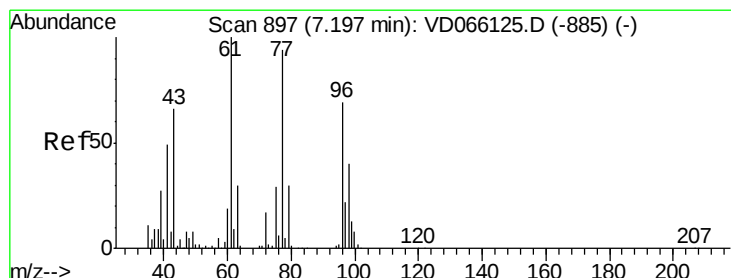
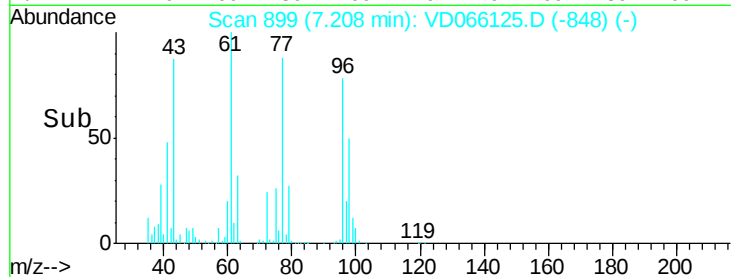
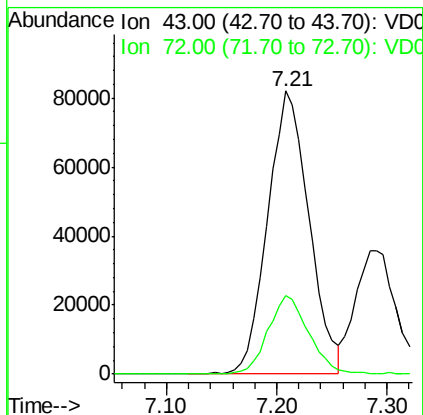
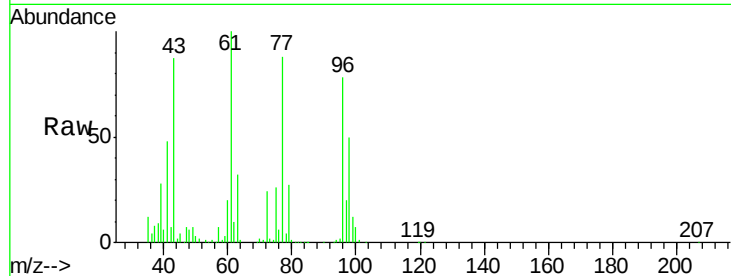
72 27.7 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.983 ug/l

RT: 7.20 min Scan# 897

Delta R.T. 0.00 min

Lab File: VD066125.D

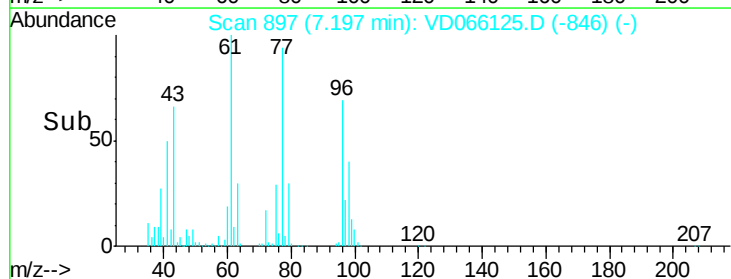
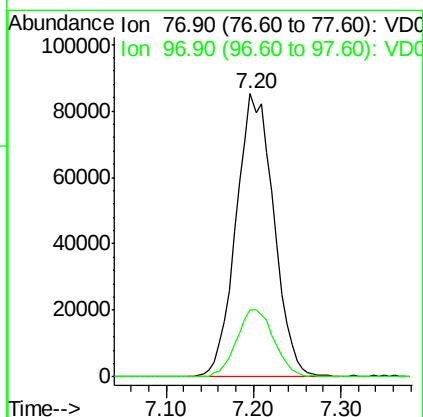
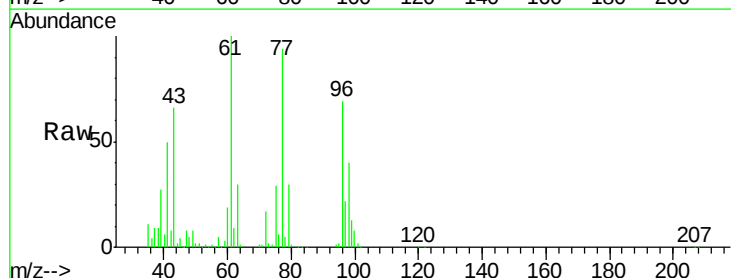
Acq: 05 Aug 2020 11:58

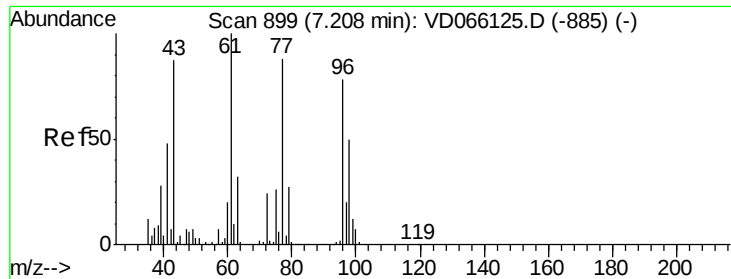
Tgt Ion: 77 Resp: 249655

Ion Ratio Lower Upper

77 100

97 23.5 11.8 35.3





#27

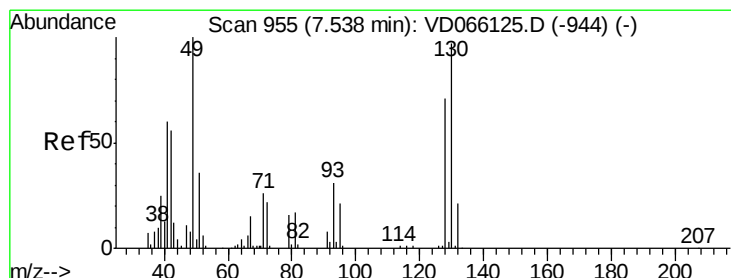
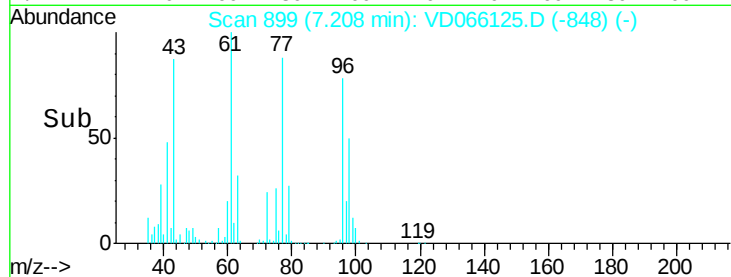
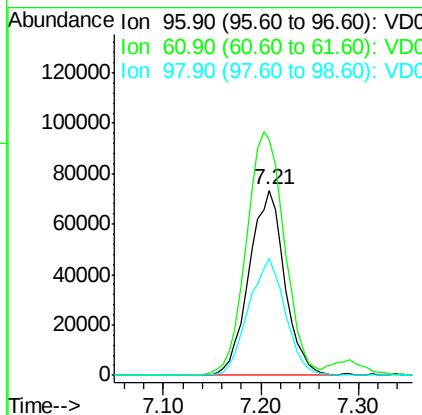
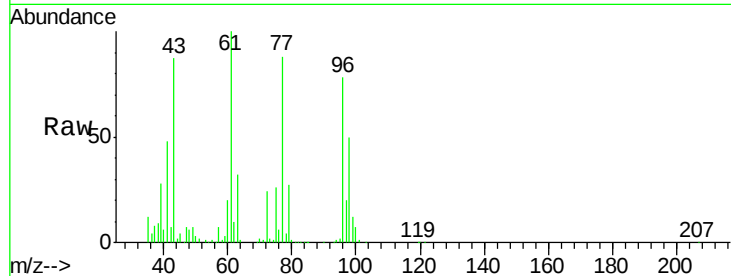
cis-1,2-Dichloroethene
Concen: 47.924 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	187038		
61	140.8	0.0	281.6	
98	65.4	0.0	130.8	

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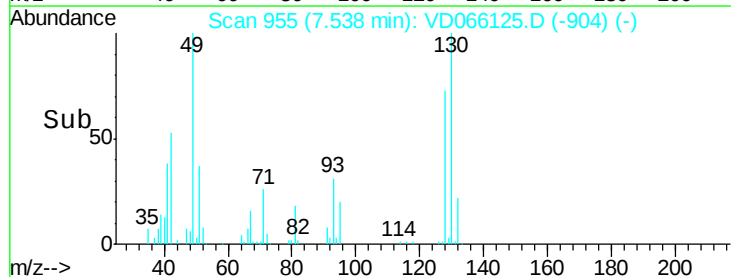
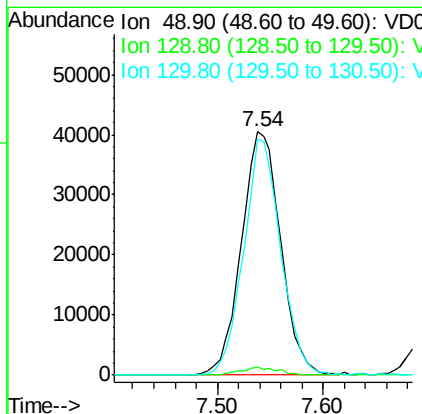
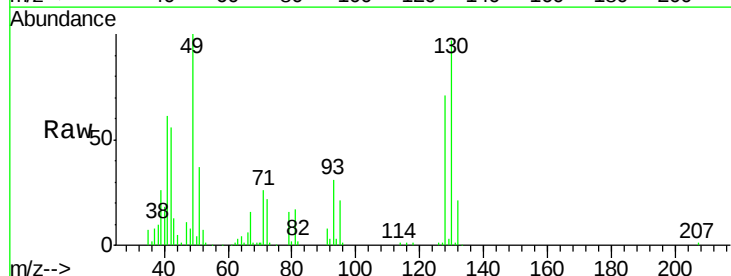
MMDadoda
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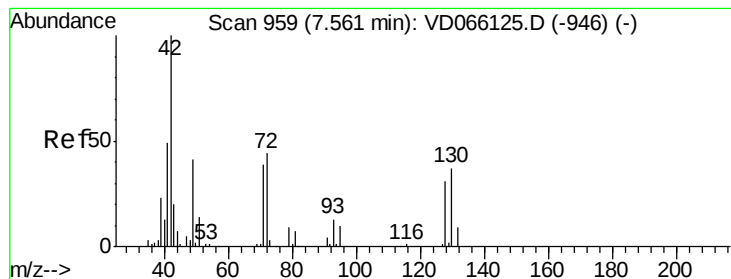


#28

Bromochloromethane
Concen: 49.178 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	104199		
129	3.0	0.0	6.0	
130	92.2	73.8	110.6	





#29

Tetrahydrofuran

Concen: 246.466 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

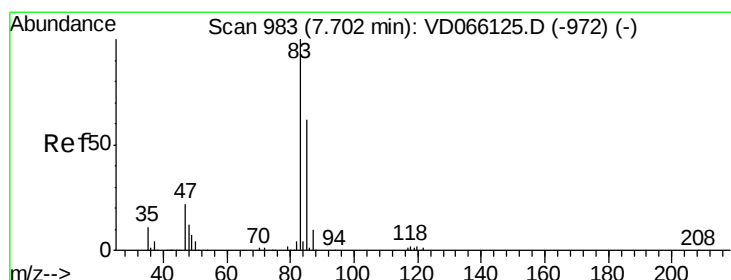
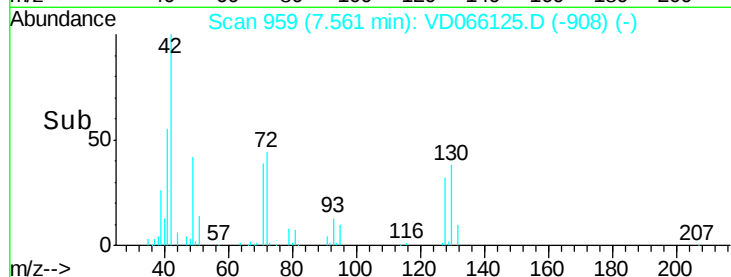
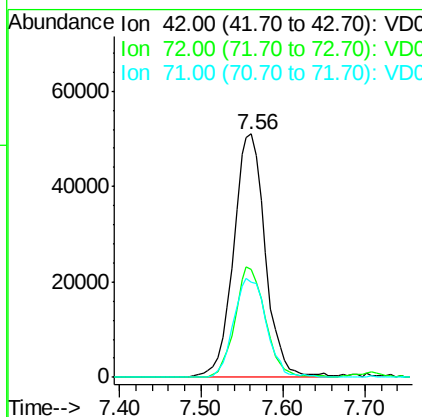
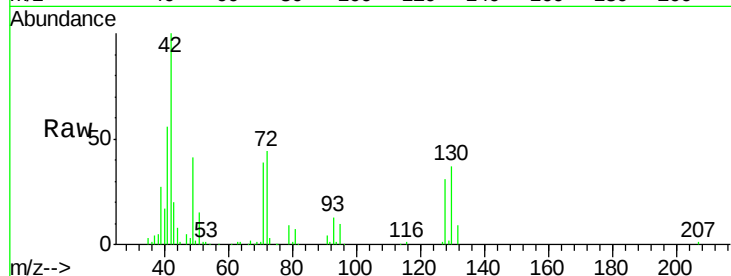
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	137932
Ion	Ratio	Lower	Upper
42	100		
72	43.5	34.8	52.2
71	41.9	33.5	50.3

Manual Integrations
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8/6/2020 1:54:20 PM



#30

Chloroform

Concen: 46.610 ug/l

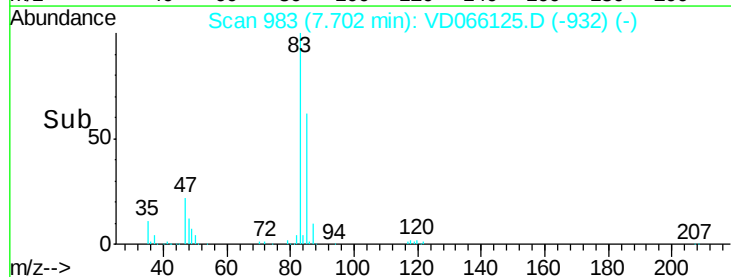
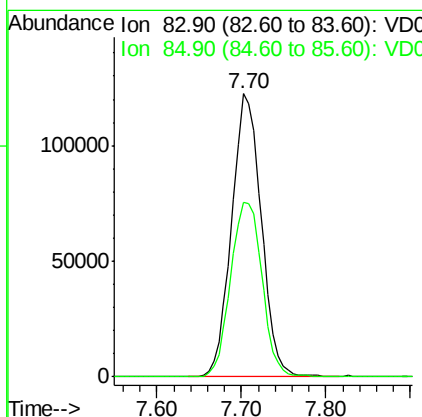
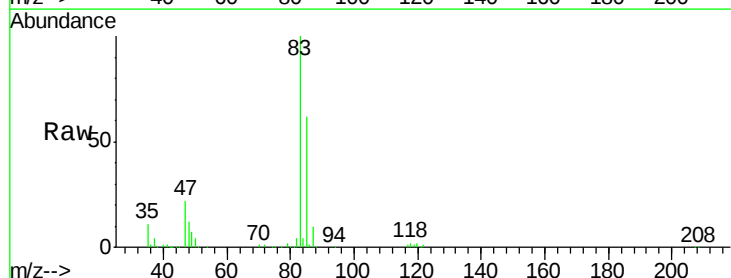
RT: 7.70 min Scan# 983

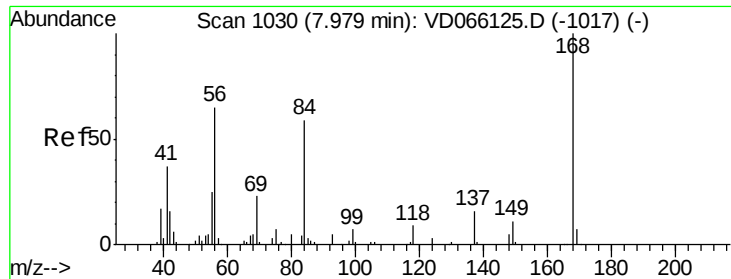
Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Tgt Ion:	83	Resp:	297410
Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.5	74.3





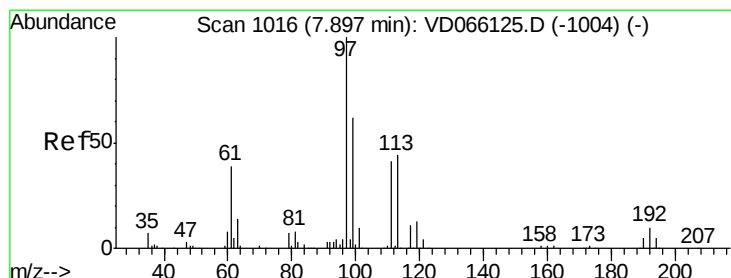
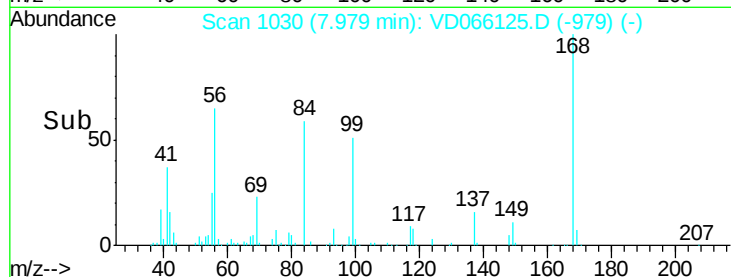
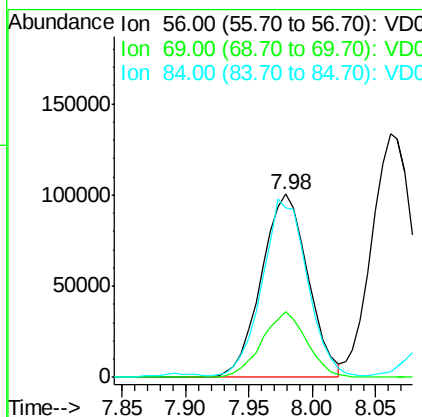
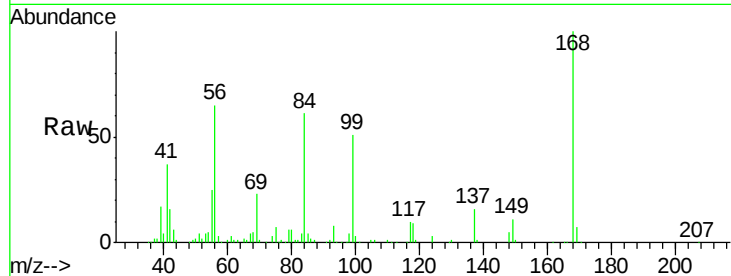
#31
Cyclohexane
Concen: 43.290 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
56	100	255907		
69	36.0		28.8	43.2
84	91.3		73.0	109.6

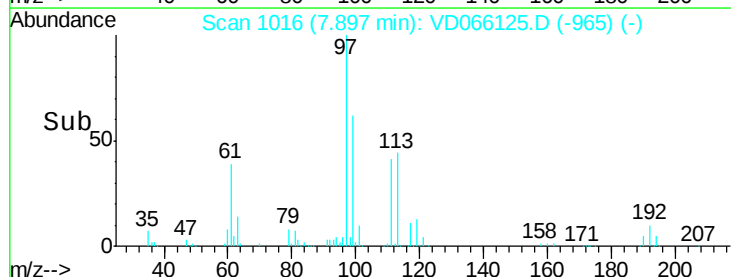
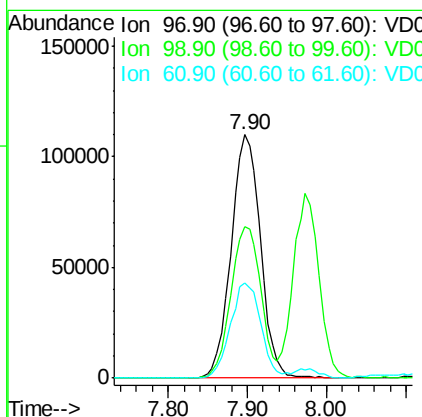
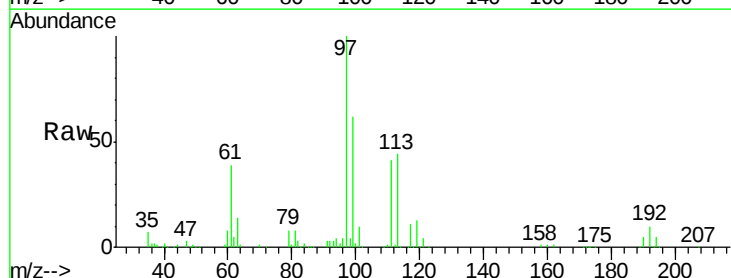
Manual Integrations
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#32
1,1,1-Trichloroethane
Concen: 47.116 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	281312		
99	63.9		51.1	76.7
61	40.9		32.7	49.1





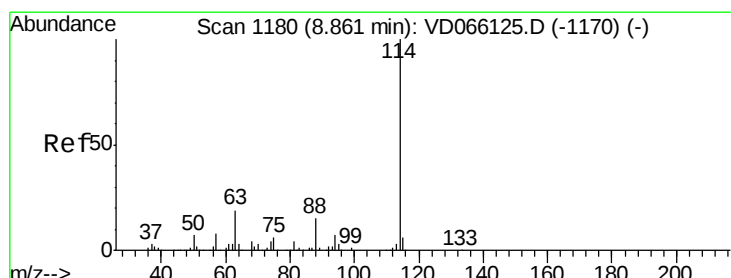
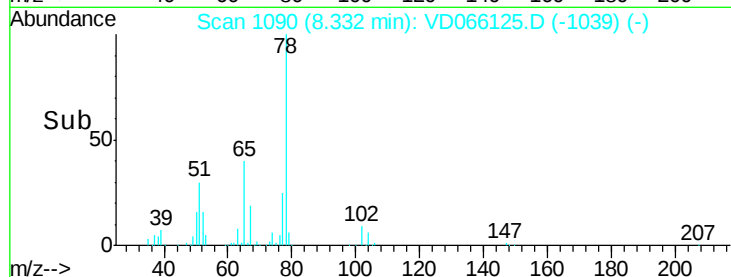
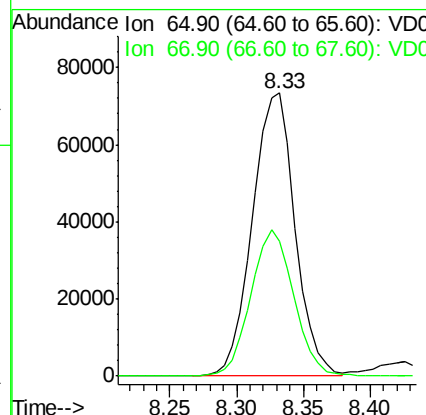
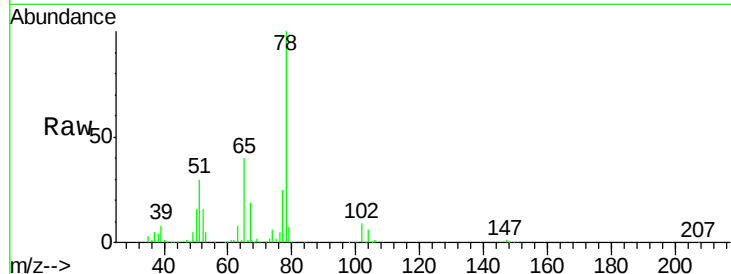
#33
 1,2-Dichloroethane-d4
 Concen: 50.130 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162248		
67	52.3	0.0	104.6	

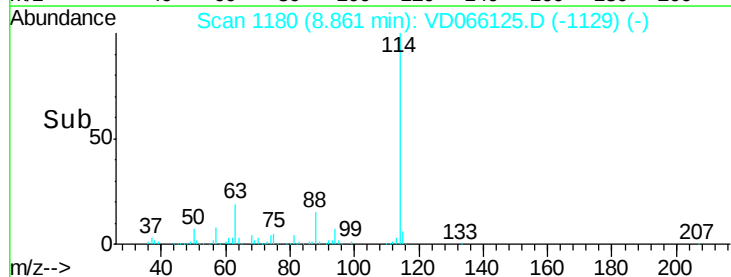
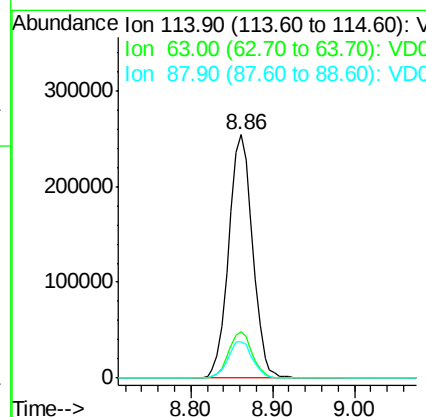
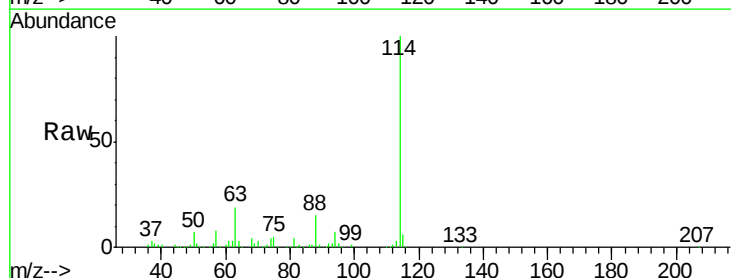
Manual Integrations
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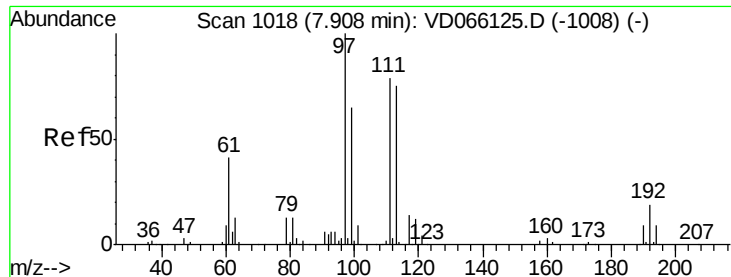
MMDadoda
 8/6/2020 1:54:20 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	517323		
63	19.3	0.0	38.6	
88	15.0	0.0	30.0	





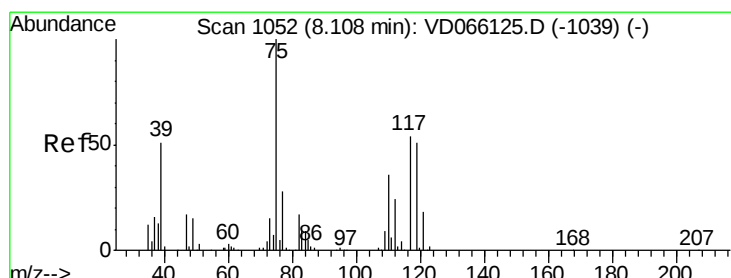
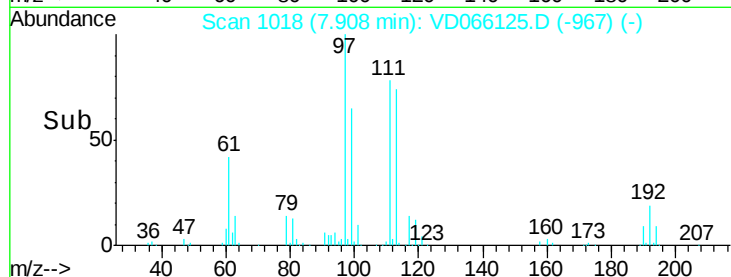
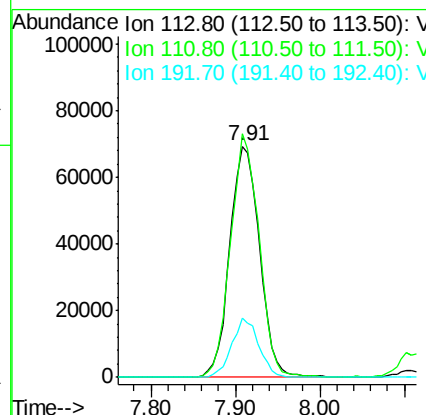
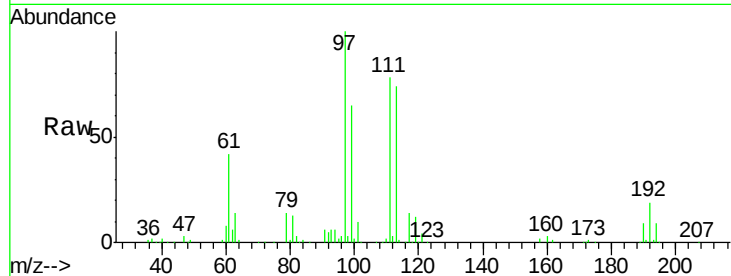
#35
 Dibromofluoromethane
 Concen: 51.020 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	168739		
111	100.9	80.7	121.1	
192	23.0	18.4	27.6	

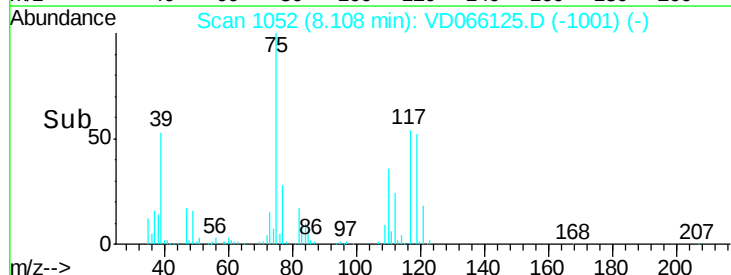
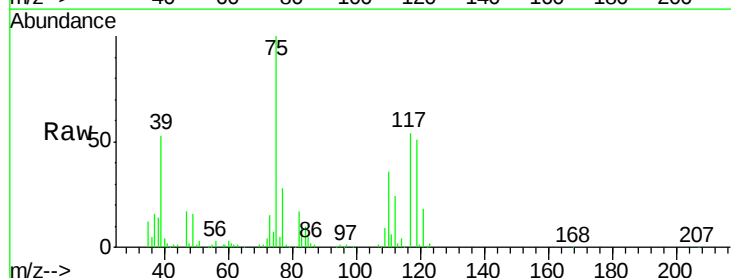
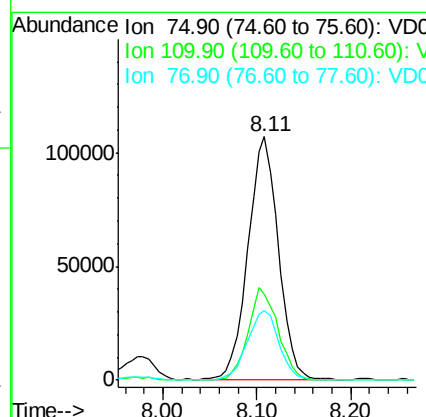
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 47.716 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	238257		
110	37.5	18.8	56.3	
77	30.2	24.2	36.2	





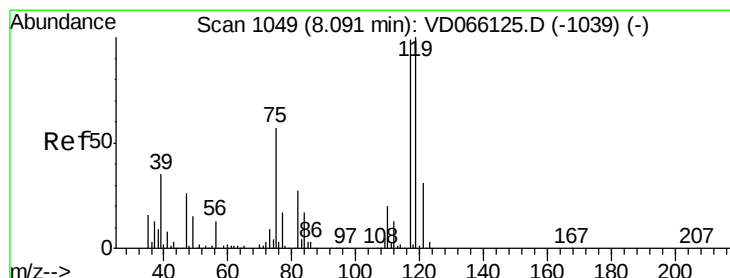
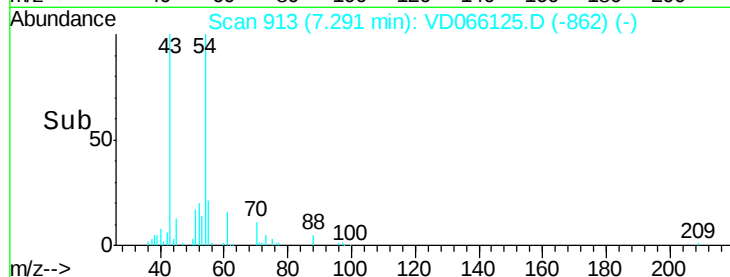
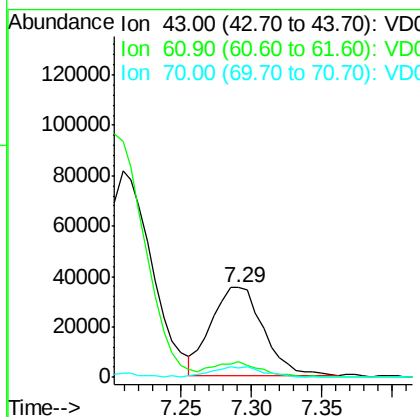
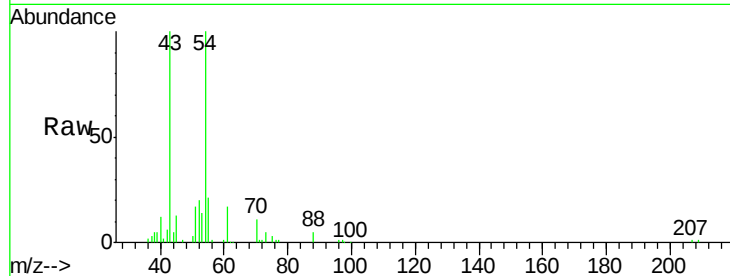
#37
Ethyl Acetate
Concen: 46.681 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.0	18.0
70	12.1	9.7	14.5

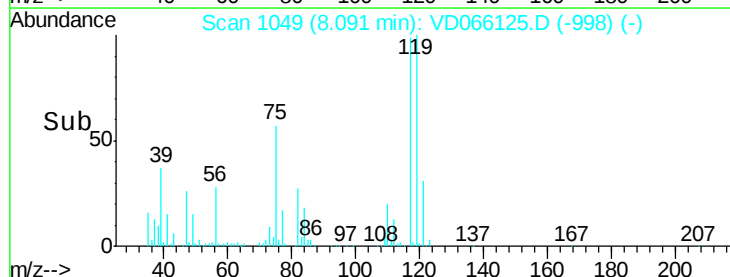
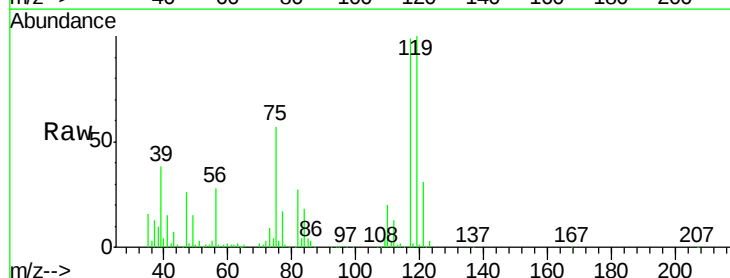
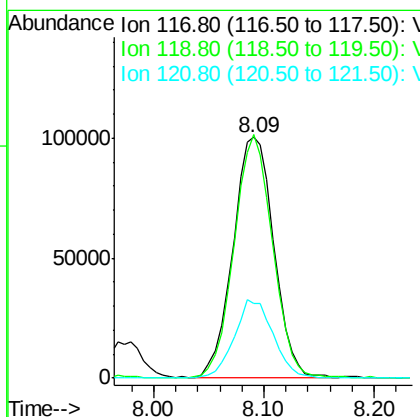
Manual Integrations
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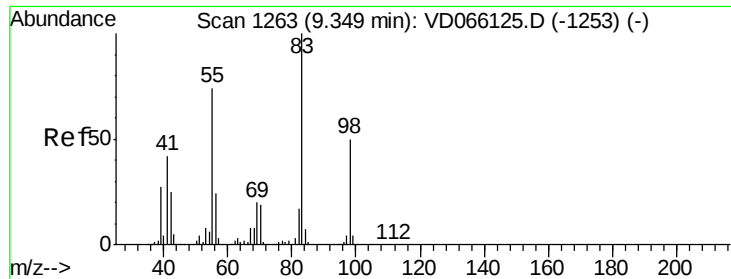
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#38
Carbon Tetrachloride
Concen: 46.597 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.2	81.0	121.4
121	31.0	24.8	37.2





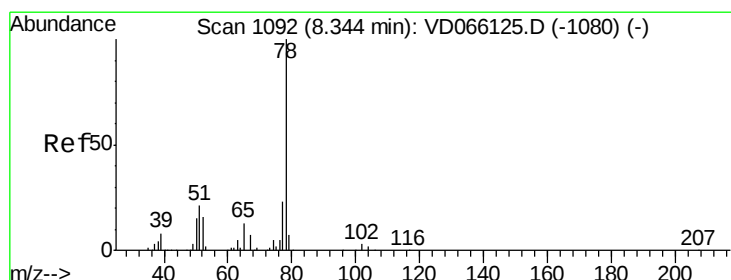
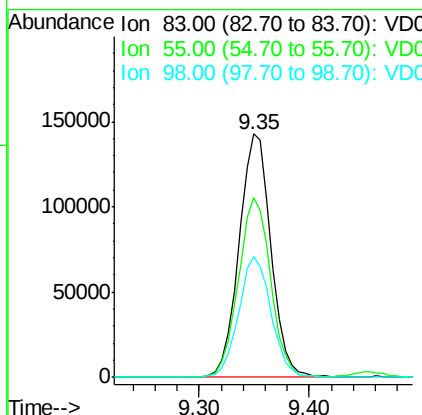
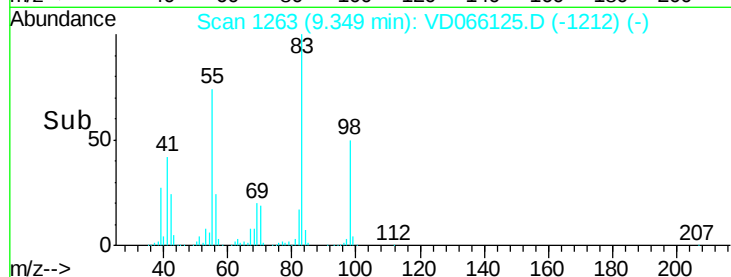
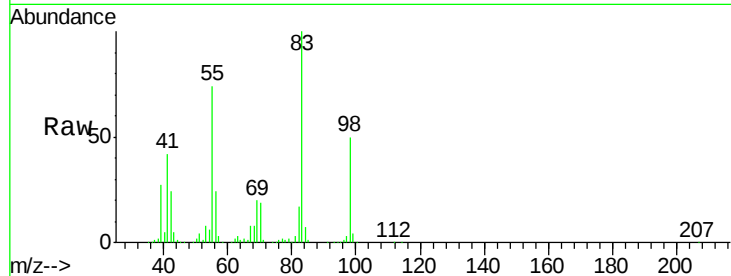
#39
Methvlcvclohexane
Concen: 48.778 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	289022		
55	74.0		59.2	88.8
98	49.7		39.8	59.6

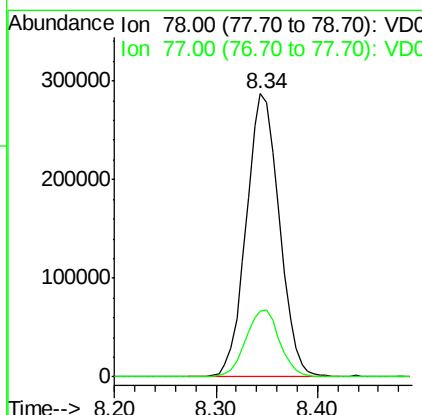
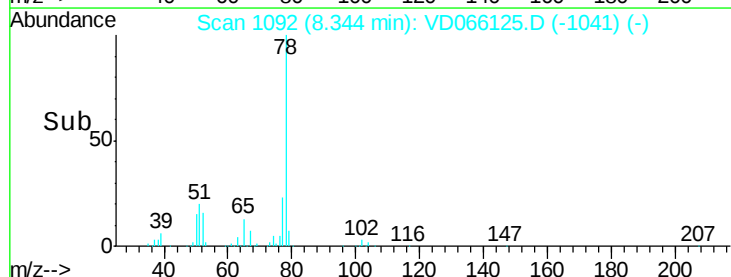
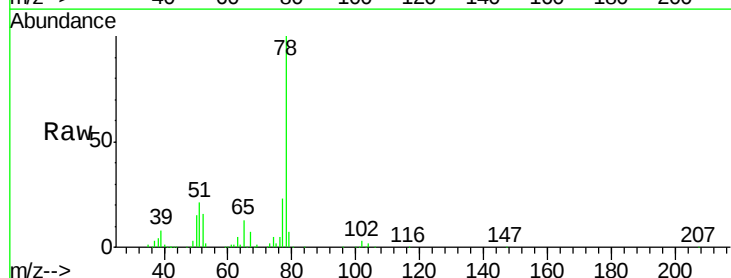
Manual Integrations
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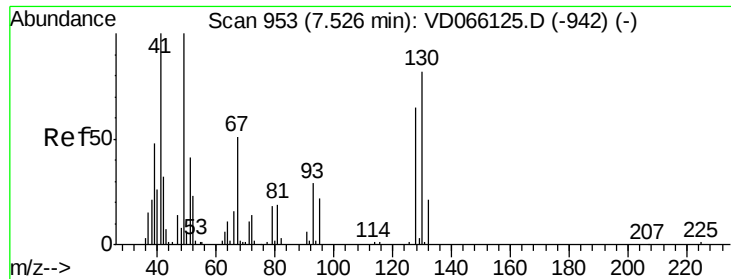
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#40
Benzene
Concen: 46.949 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	650540		
77	23.2		18.6	27.8





#41

Methacrylonitrile

Concen: 48.670 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 53740

Ion Ratio Lower Upper

41 100

39 59.4 47.5 71.3

67 73.9 59.1 88.7

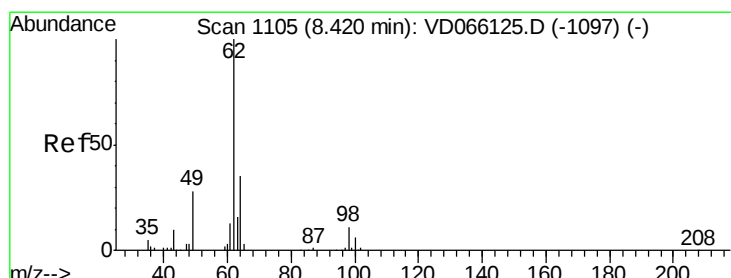
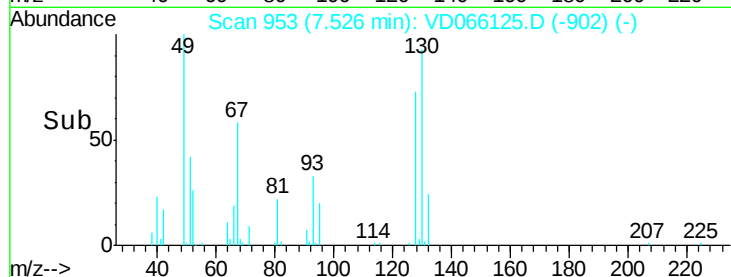
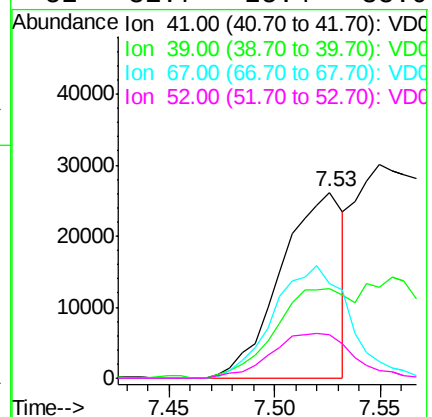
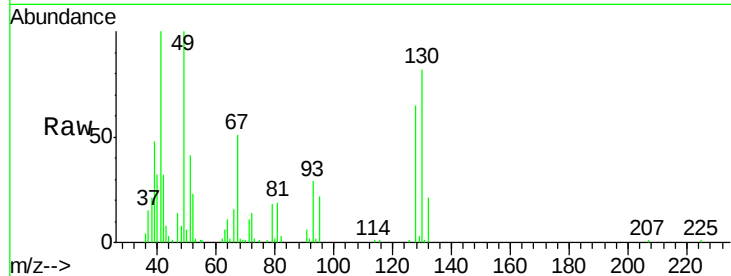
52 31.7 25.4 38.0

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 47.233 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066125.D

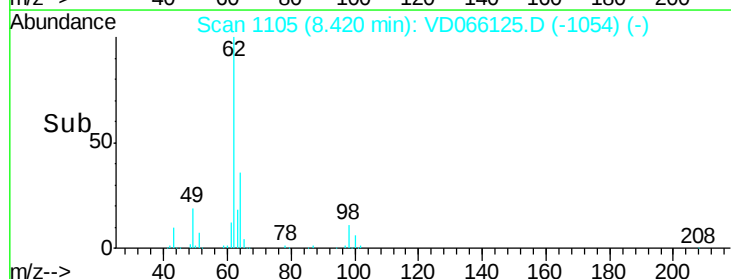
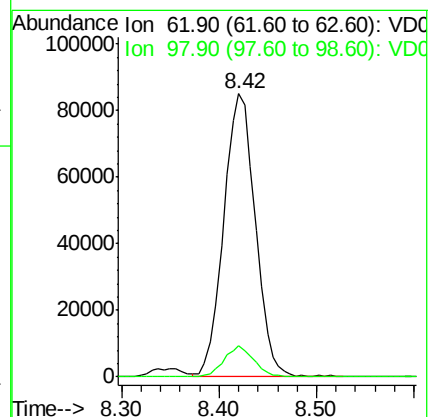
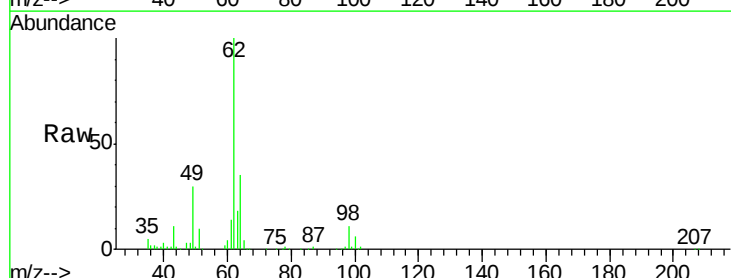
Acq: 05 Aug 2020 11:58

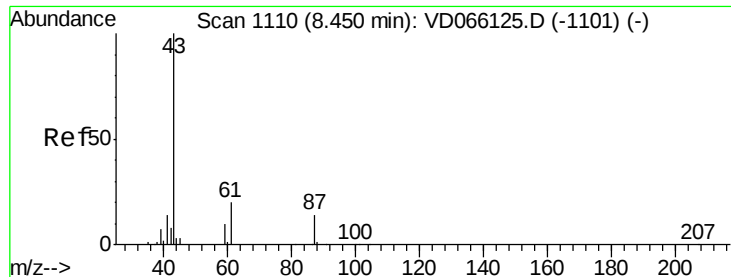
Tgt Ion: 62 Resp: 191149

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.4





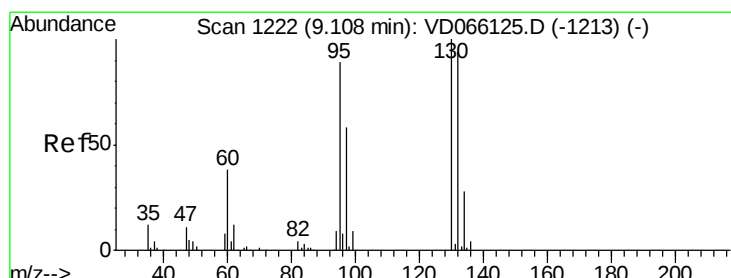
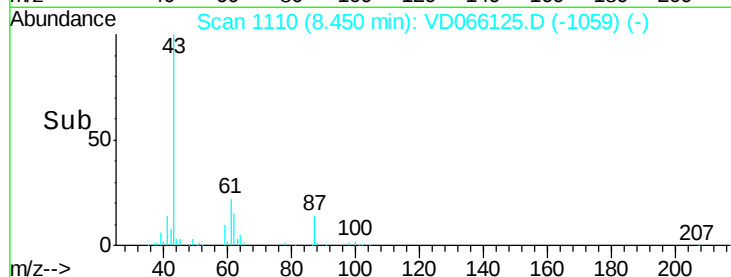
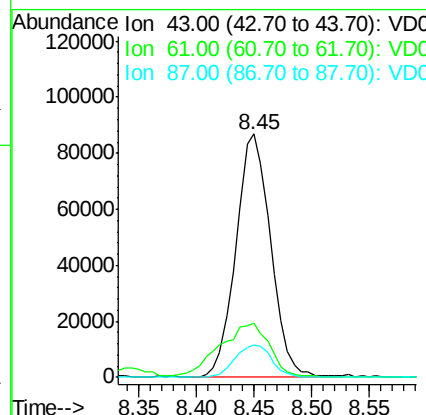
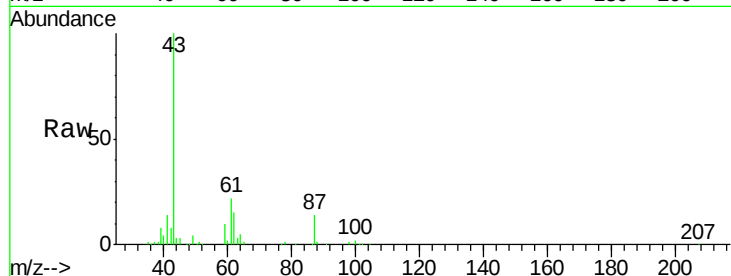
#43
Isopropyl Acetate
Concen: 48.143 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	182296		
61	31.9		25.5	38.3
87	14.0		11.2	16.8

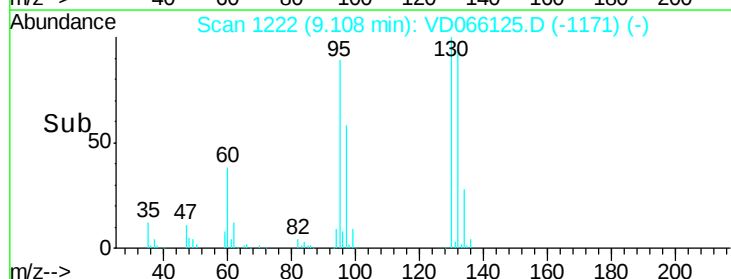
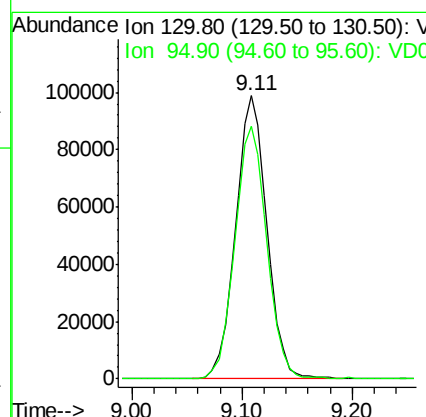
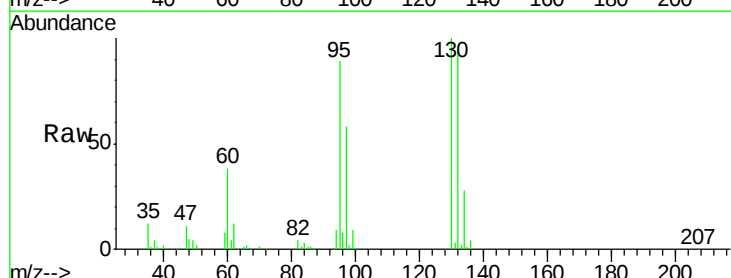
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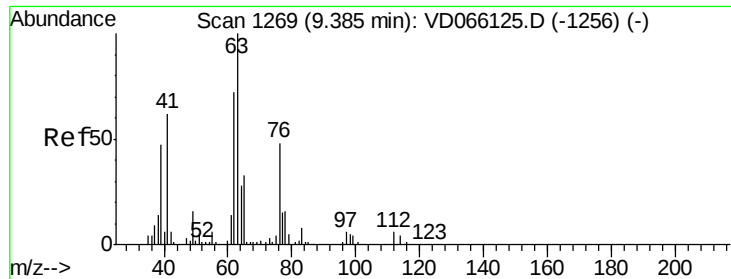
MMDadoda
8/6/2020 1:54:20 PM



#44
Trichloroethene
Concen: 47.348 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	196045		
95	89.2		0.0	178.4





#45

1,2-Dichloropropane

Concen: 47.274 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 158579

Ion Ratio Lower Upper

63 100

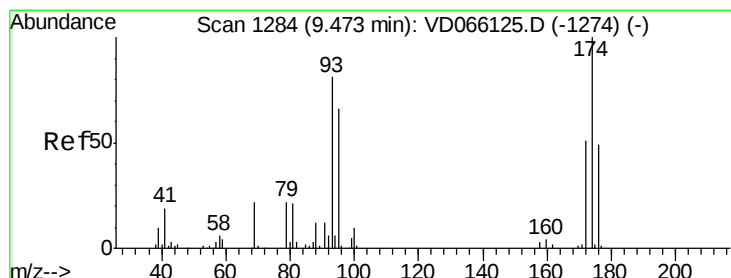
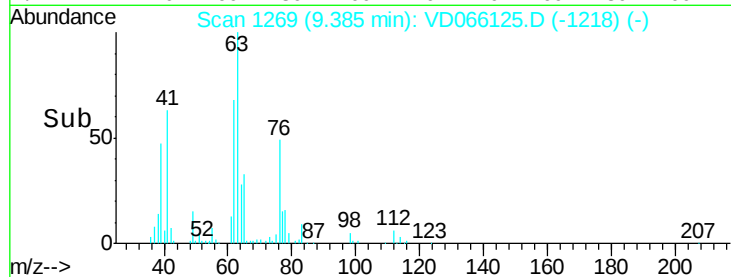
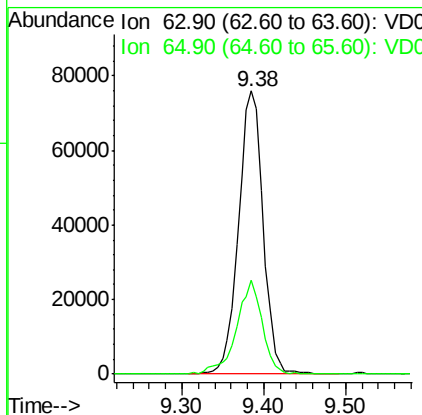
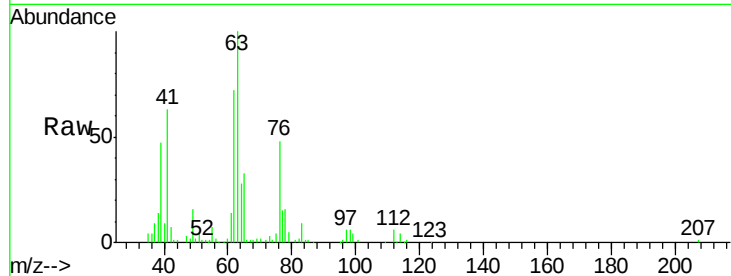
65 33.1 26.5 39.7

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#46

Dibromomethane

Concen: 49.178 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

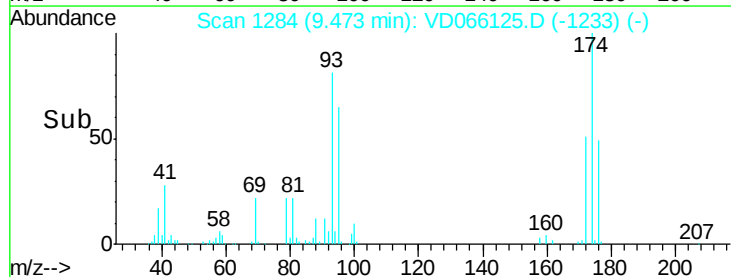
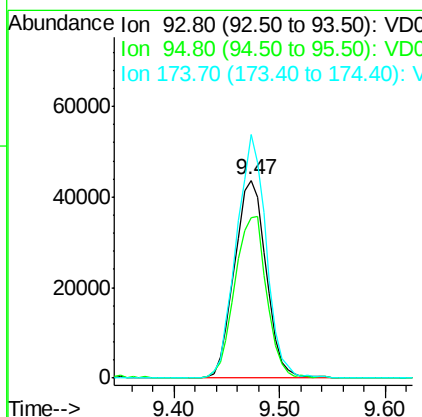
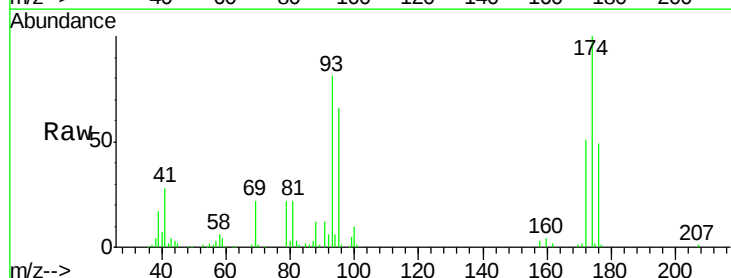
Tgt Ion: 93 Resp: 90703

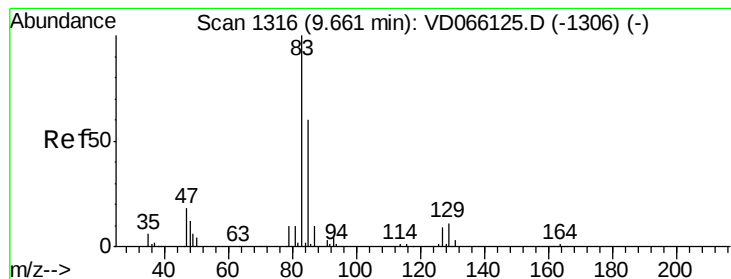
Ion Ratio Lower Upper

93 100

95 82.2 65.8 98.6

174 116.0 92.8 139.2





#47

Bromodichloromethane

Concen: 47.992 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

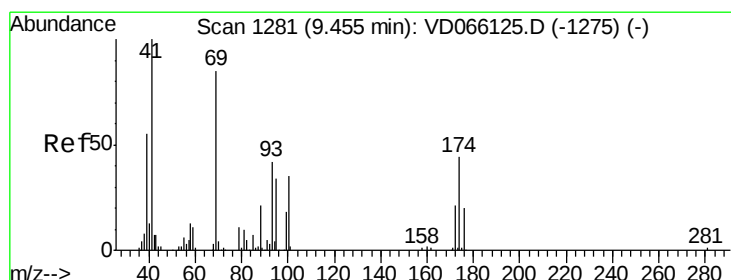
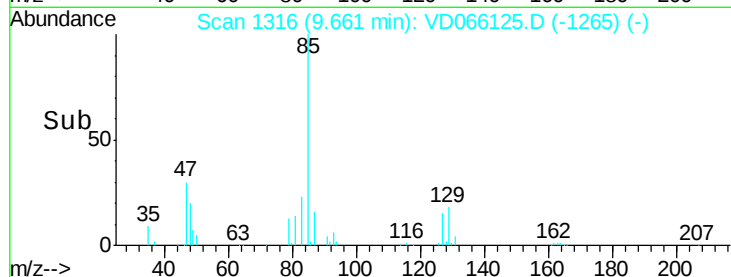
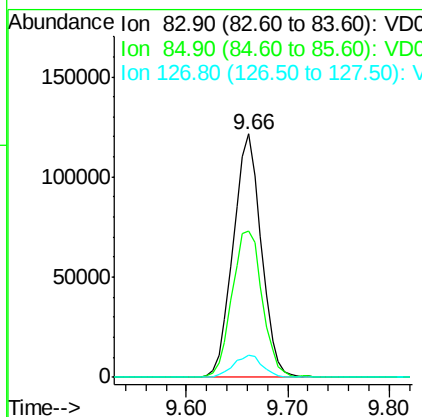
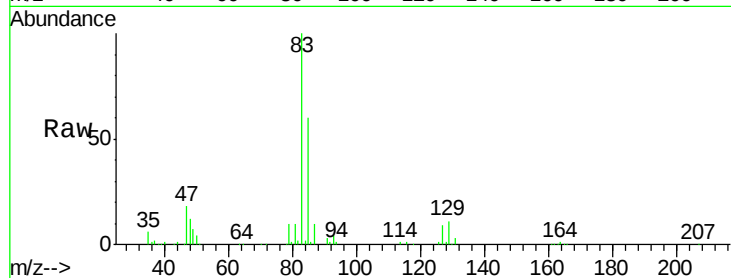
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	234060
Ion	Ratio	Lower	Upper
83	100		
85	60.3	48.2	72.4
127	9.1	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.790 ug/l

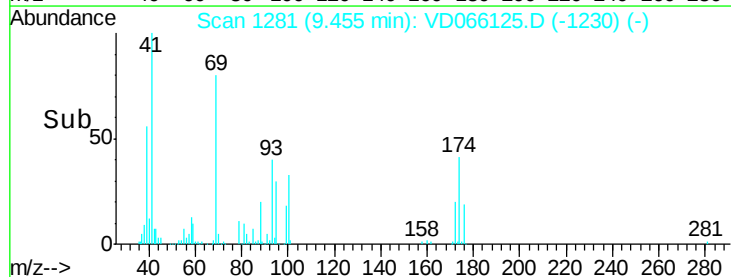
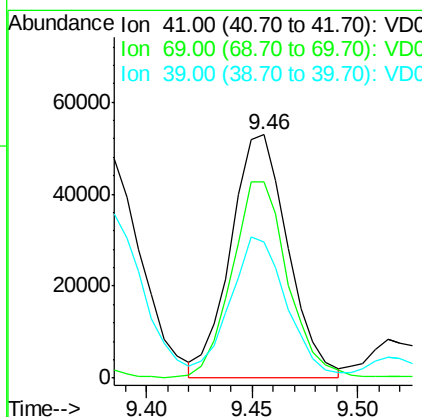
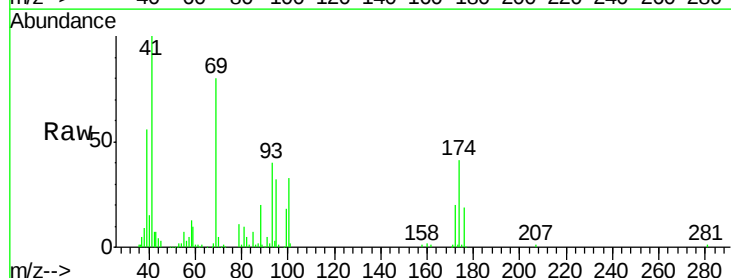
RT: 9.46 min Scan# 1281

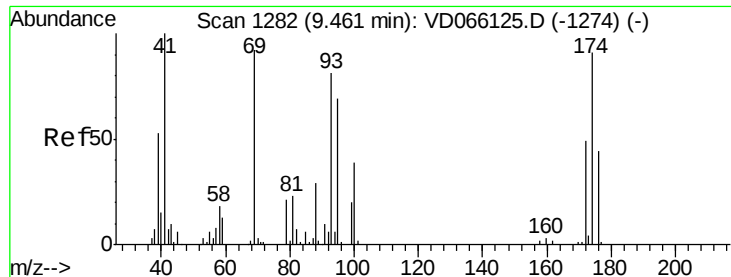
Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Tgt Ion:	41	Resp:	99301
Ion	Ratio	Lower	Upper
41	100		
69	79.9	63.9	95.9
39	53.3	42.6	64.0





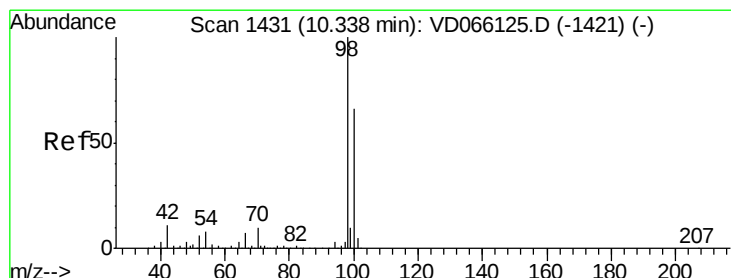
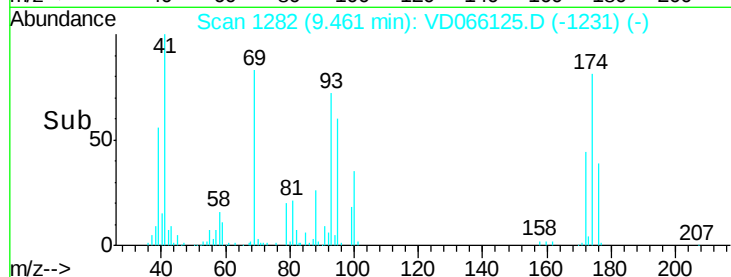
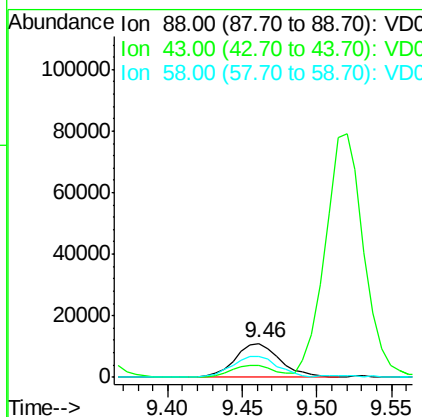
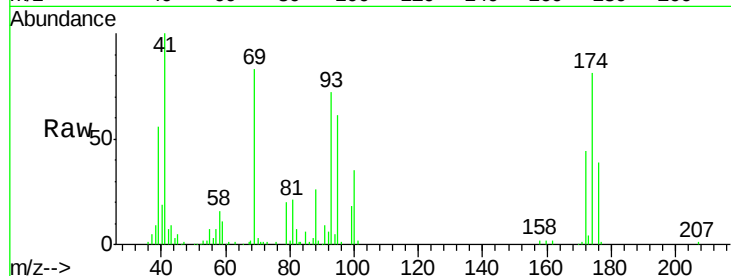
#49
1,4-Dioxane
Concen: 977.757 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	27.5	41.3
58	62.8	50.2	75.4

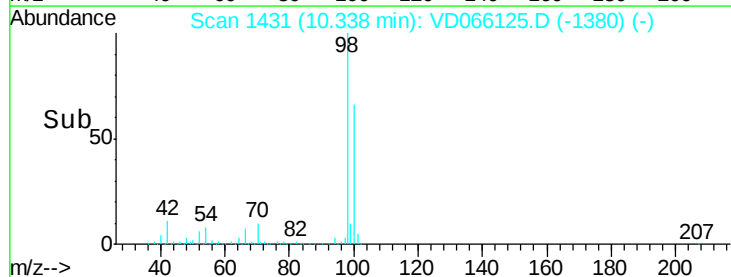
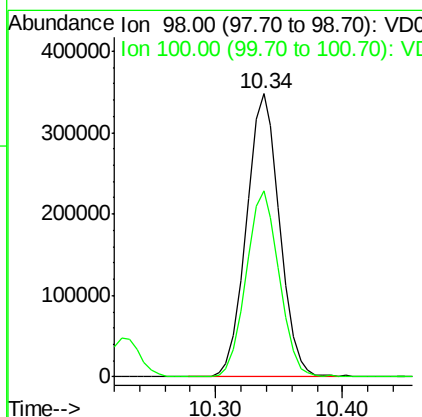
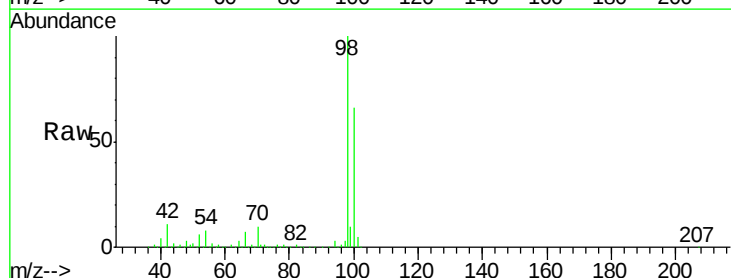
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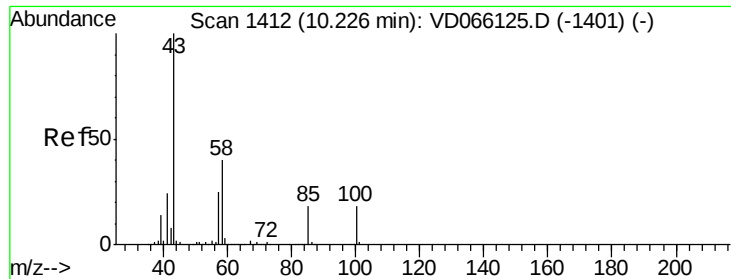
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#50
Toluene-d8
Concen: 52.275 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 243.392 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 480258

Ion Ratio Lower Upper

43 100

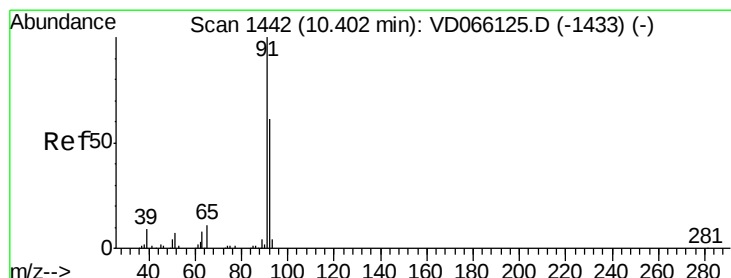
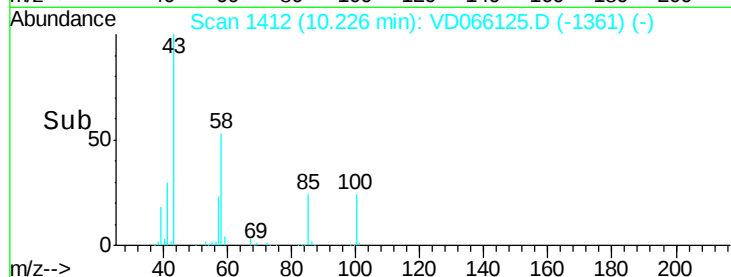
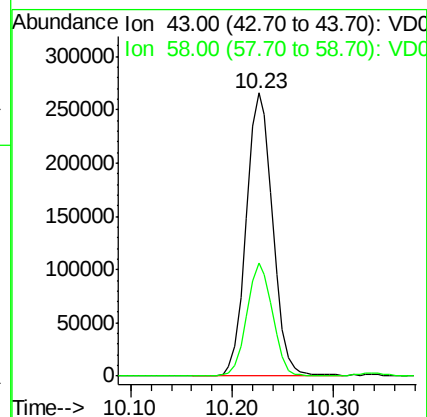
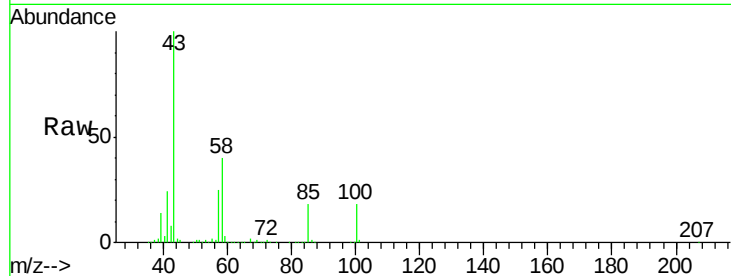
58 38.9 31.1 46.7

Manual Integrations

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#52

Toluene

Concen: 48.492 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD066125.D

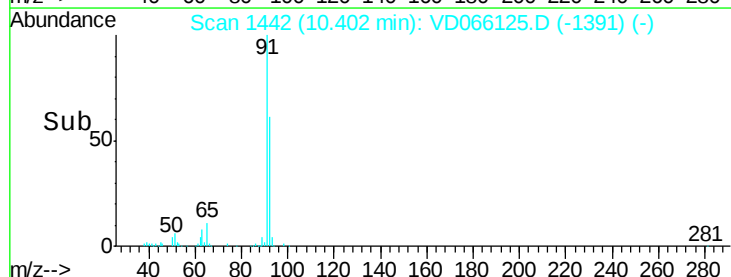
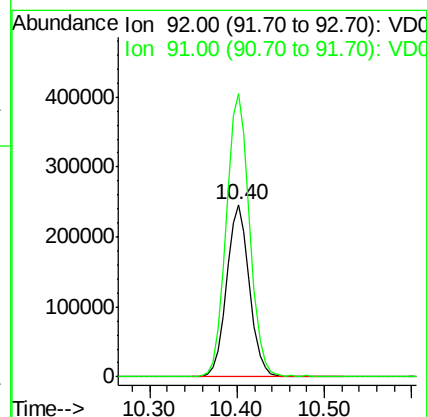
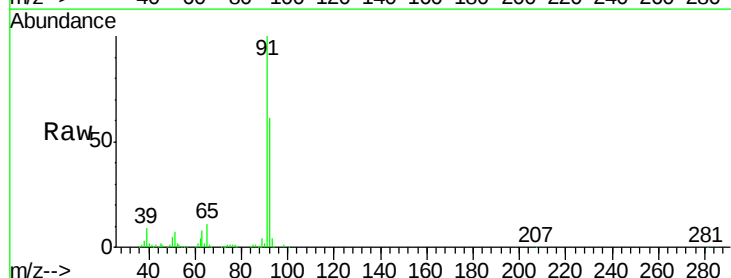
Acq: 05 Aug 2020 11:58

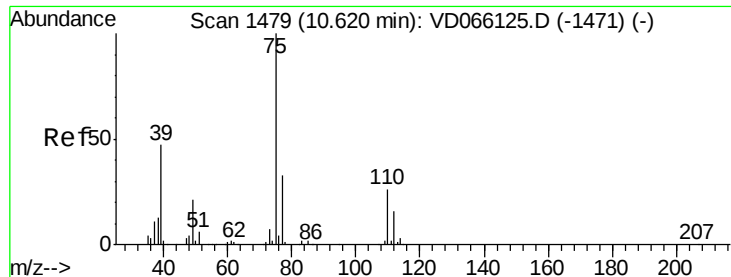
Tgt Ion: 92 Resp: 439765

Ion Ratio Lower Upper

92 100

91 169.0 135.2 202.8





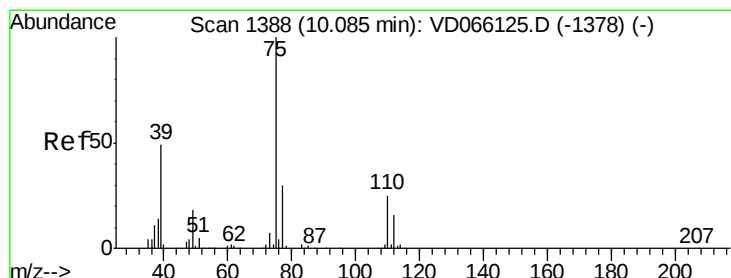
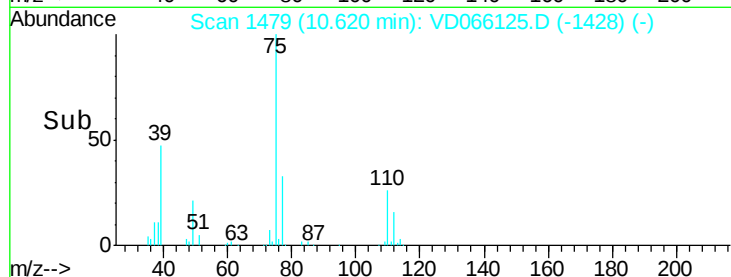
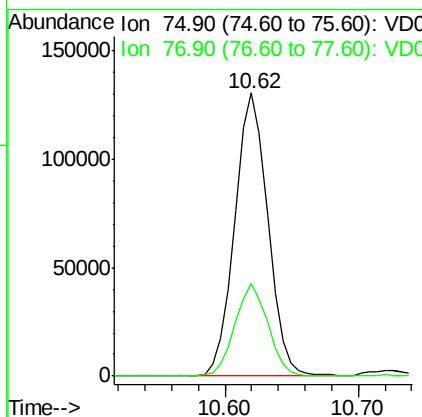
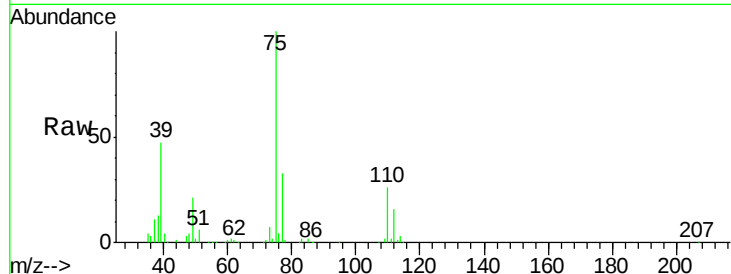
#53
 t-1,3-Dichloropropene
 Concen: 49.373 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	26.2	39.2

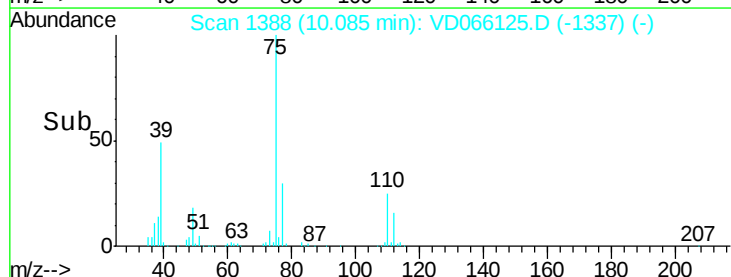
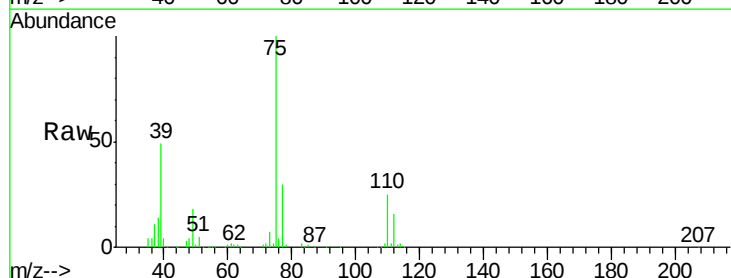
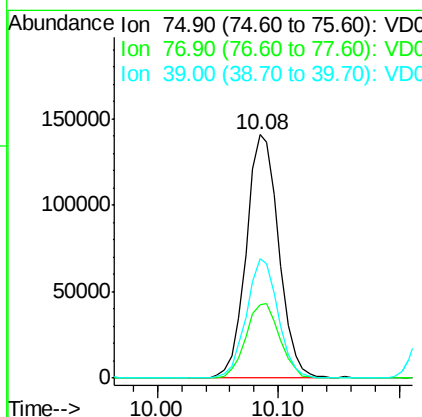
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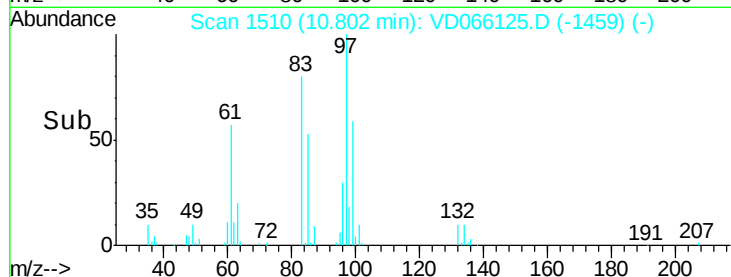
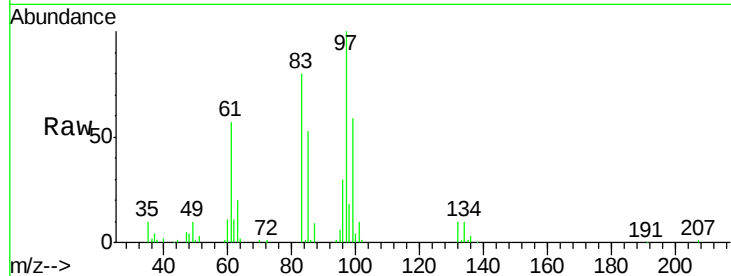
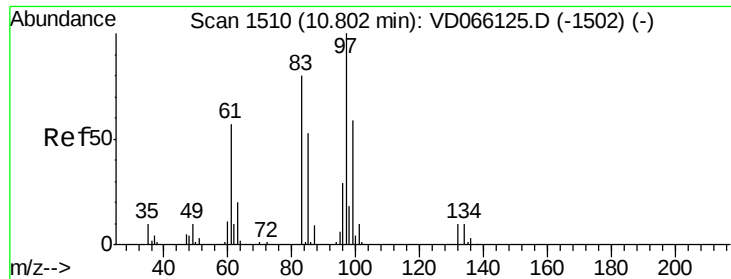
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 8/6/2020 1:54:20 PM



#54
 cis-1,3-Dichloropropene
 Concen: 49.378 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.3	36.5
39	49.1	39.3	58.9





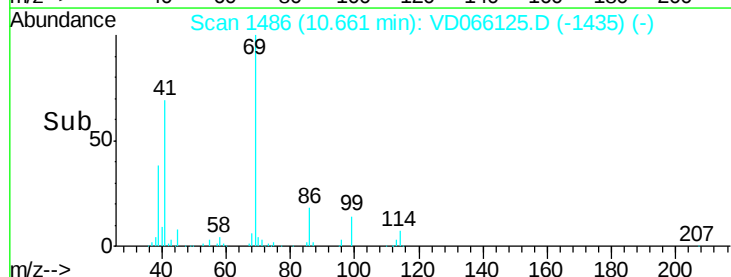
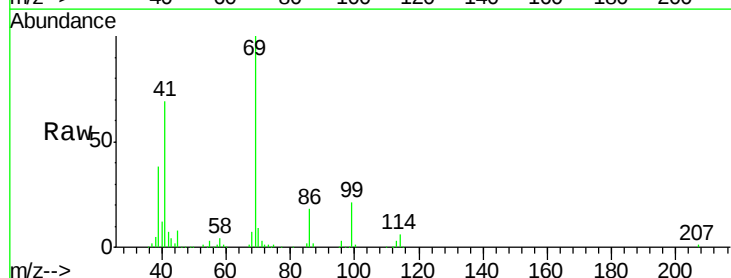
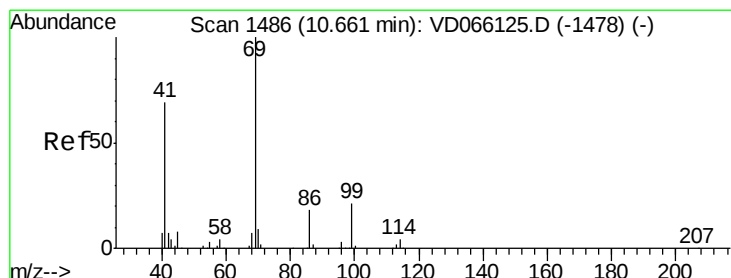
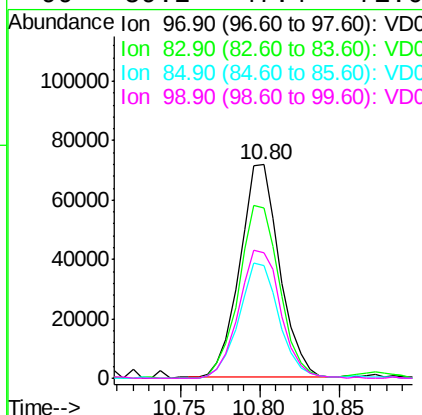
#55
1,1,2-Trichloroethane
Concen: 46.591 ug/l
RT: 10.80 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tot Ion	97	Resp	125226
Ion Ratio	Lower	Upper	
97	100		
83	79.9	63.9	95.9
85	53.1	42.5	63.7
99	59.2	47.4	71.0

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

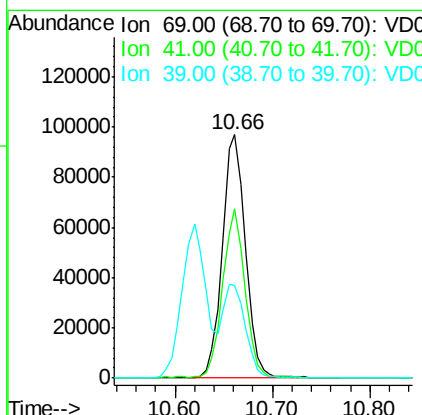
Manual Integrations
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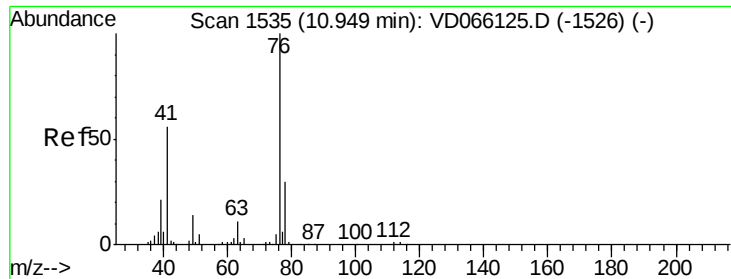
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#56
Ethyl methacrylate
Concen: 51.812 ug/l
RT: 10.66 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	69	Resp	159746
Ion Ratio	Lower	Upper	
69	100		
41	67.6	54.1	81.1
39	35.8	28.6	43.0





#57

1,3-Dichloropropane

Concen: 48.390 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 213883

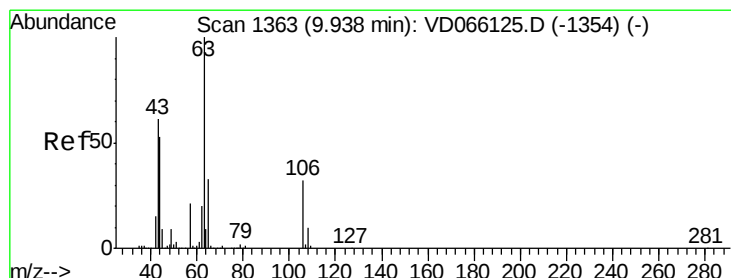
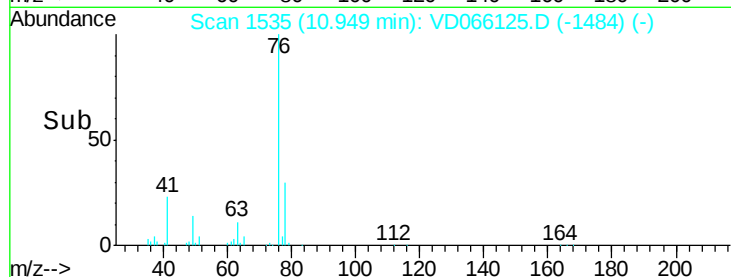
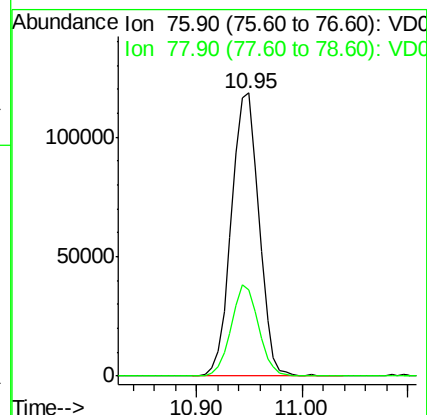
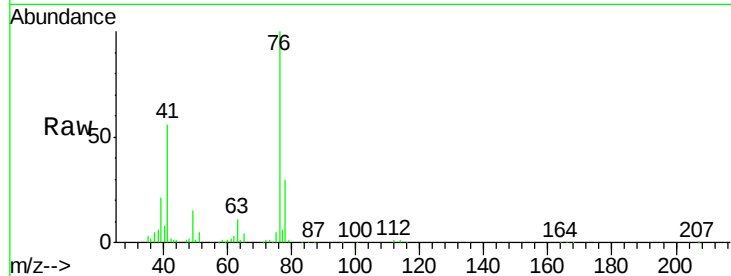
Ion Ratio Lower Upper

76 100

78 31.9 25.5 38.3

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 257.093 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066125.D

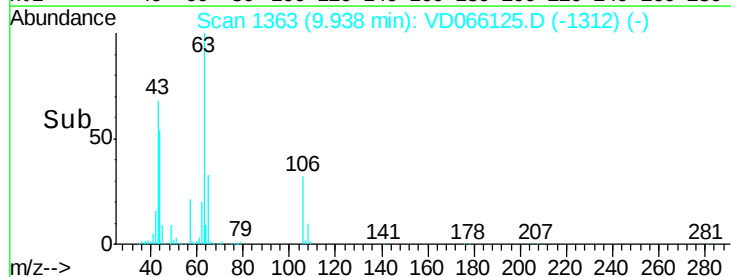
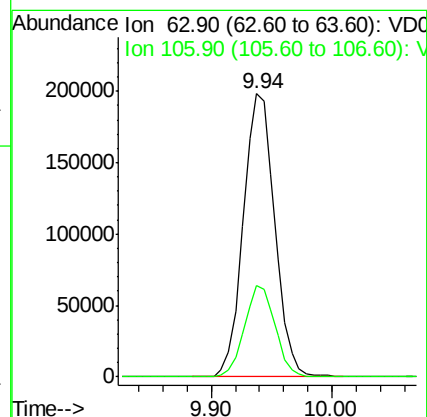
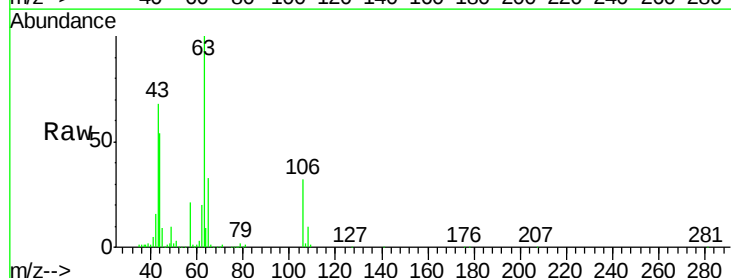
Acq: 05 Aug 2020 11:58

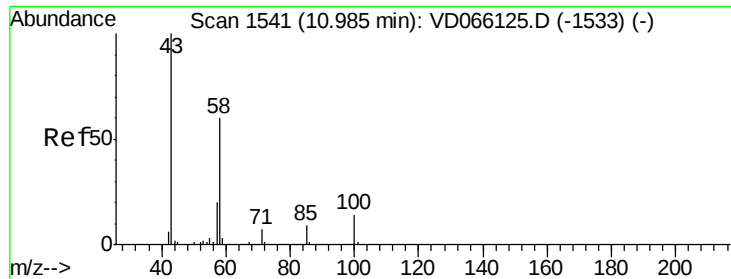
Tgt Ion: 63 Resp: 360638

Ion Ratio Lower Upper

63 100

106 31.6 25.3 37.9





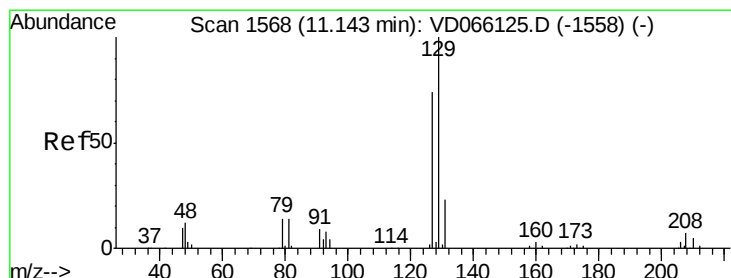
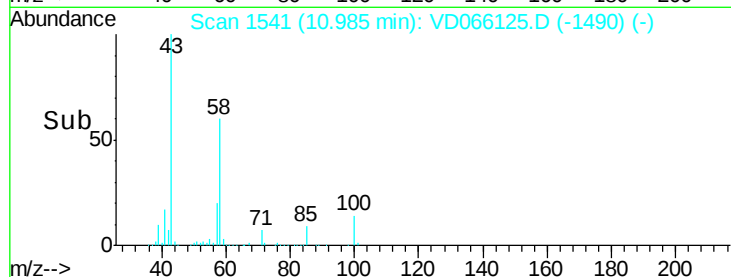
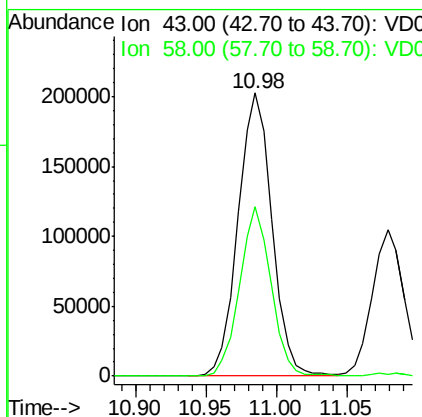
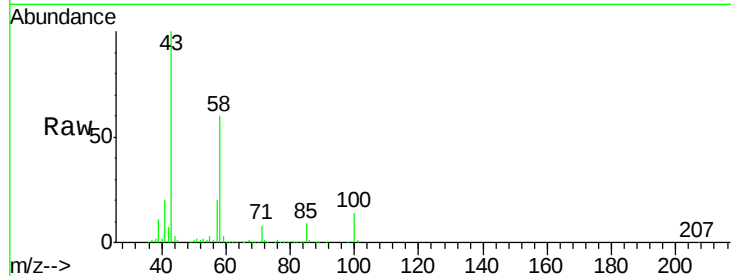
#59
2-Hexanone
Concen: 246.417 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 340012
Ion Ratio Lower Upper
43 100
58 55.6 27.8 83.4

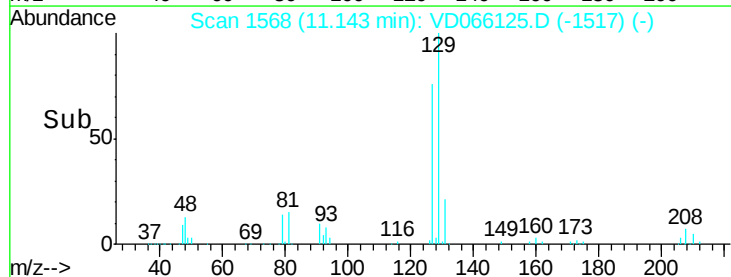
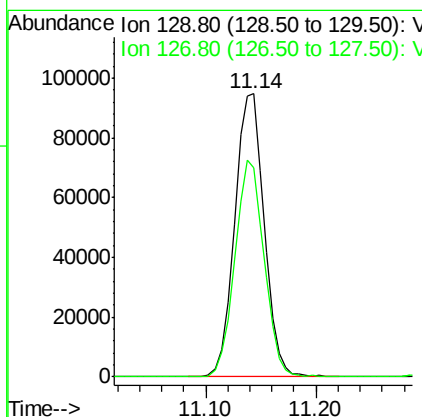
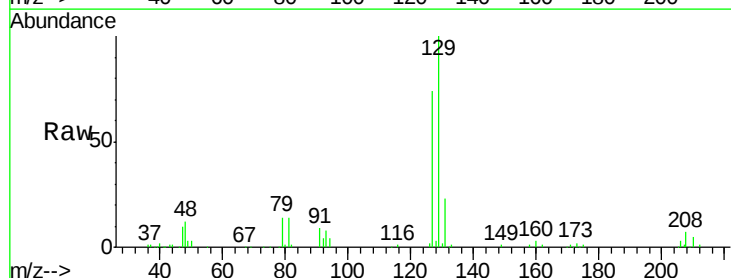
Manual Integrations
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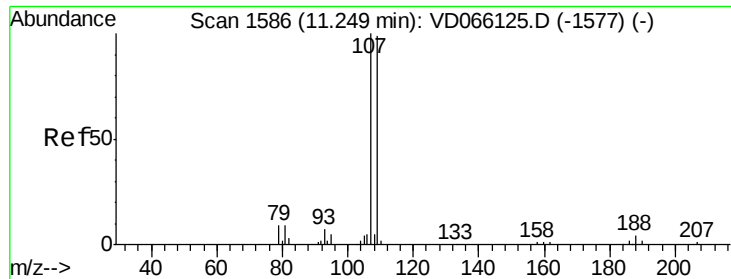
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#60
Dibromochloromethane
Concen: 48.275 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion:129 Resp: 177631
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.1





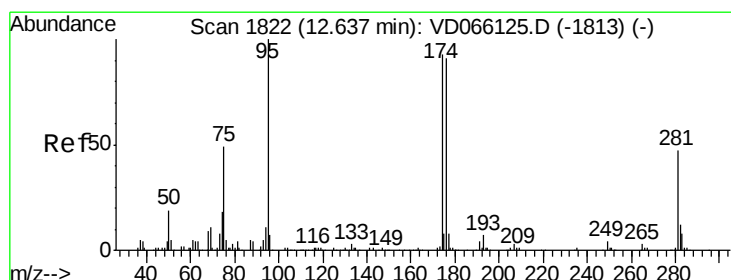
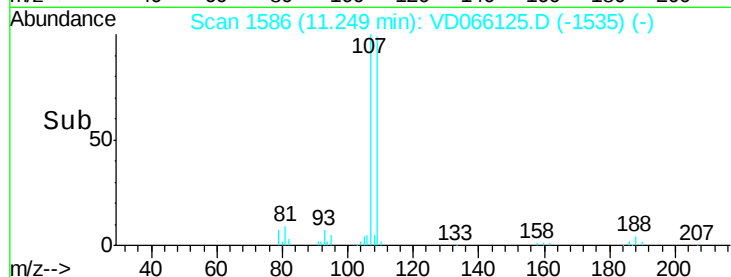
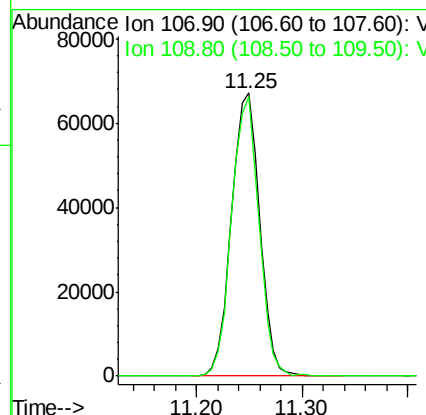
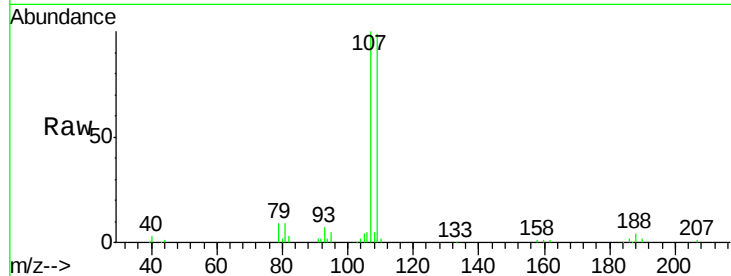
#61
 1,2-Dibromoethane
 Concen: 48.687 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	76.5	114.7

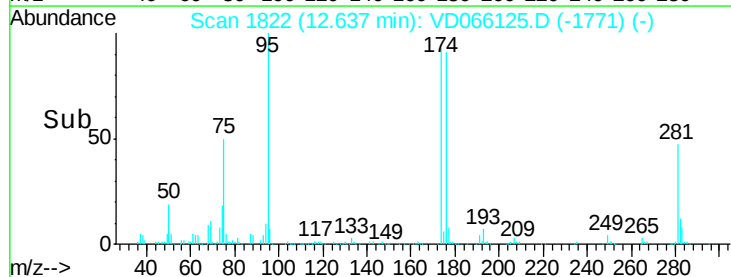
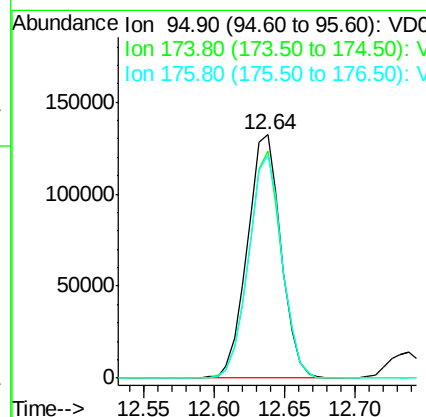
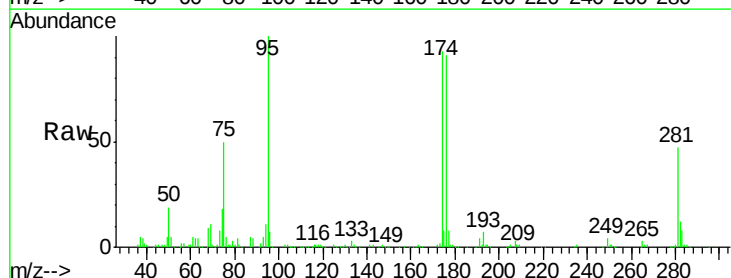
Manual Integrations
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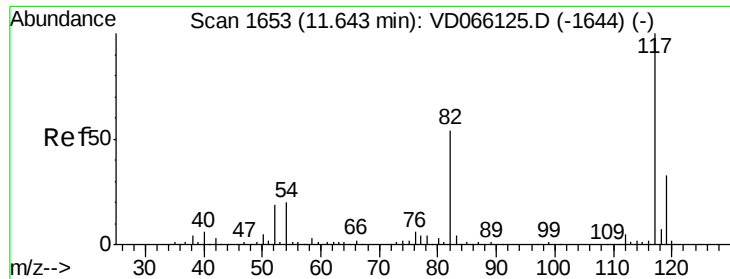
MMDadoda
 8/6/2020 1:54:20 PM



#62
 4-Bromofluorobenzene
 Concen: 50.433 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	180.8
176	90.6	0.0	181.2





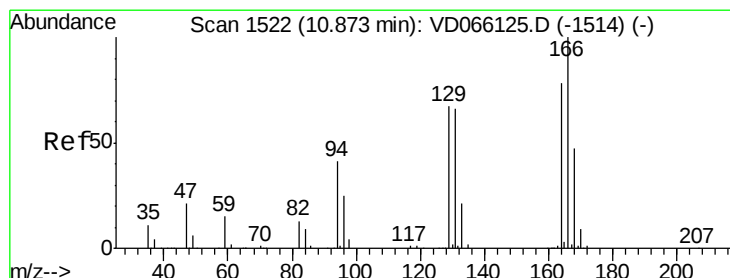
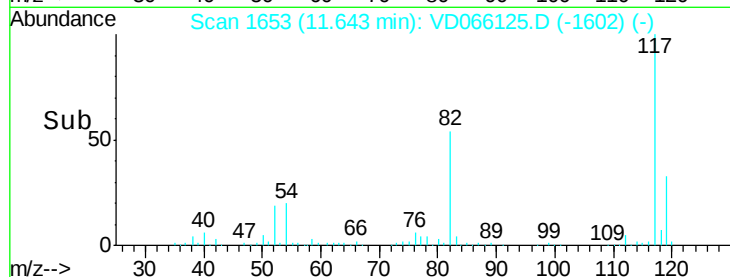
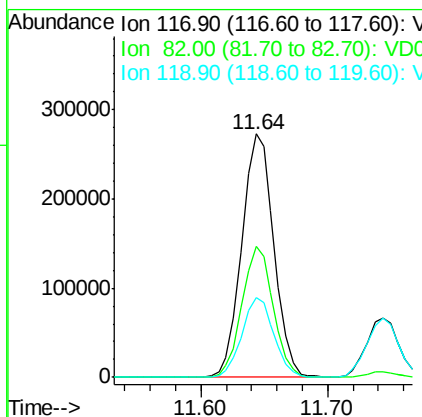
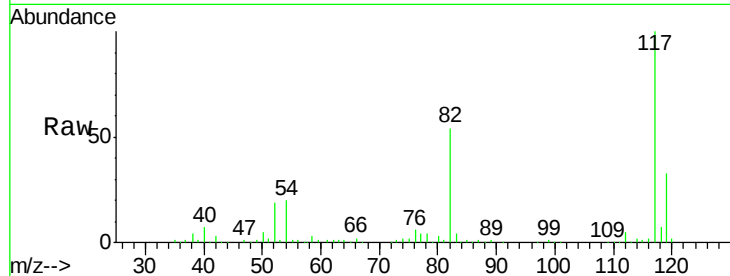
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.0	64.4
119	32.6	26.1	39.1

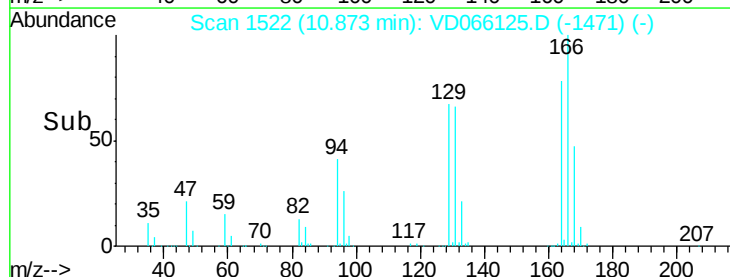
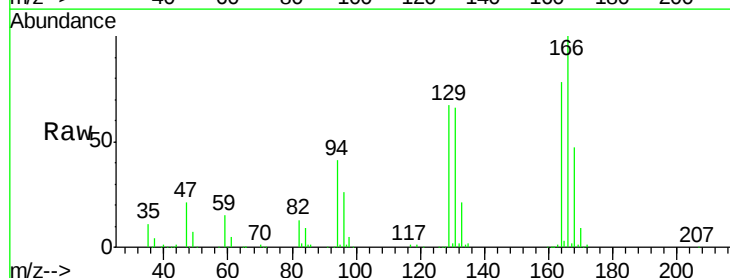
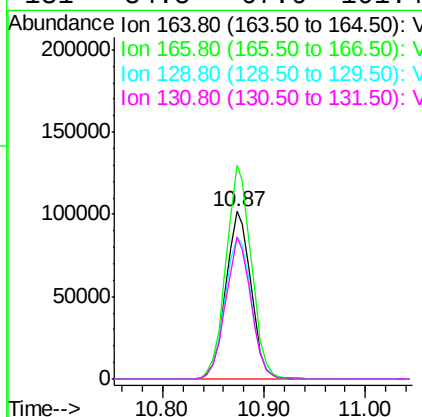
Manual Integrations
APPROVED

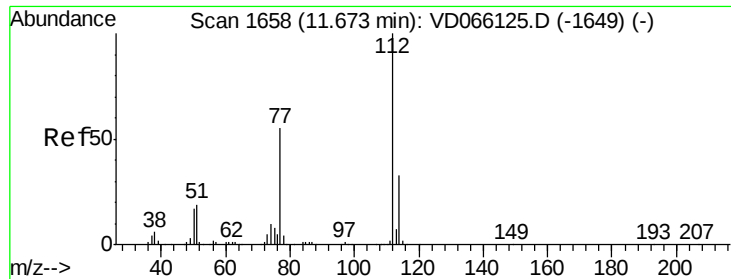
MMDadoda
8/6/2020 1:54:20 PM



#64
Tetrachloroethene
Concen: 46.728 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	101.9	152.9
129	85.1	68.1	102.1
131	84.5	67.6	101.4





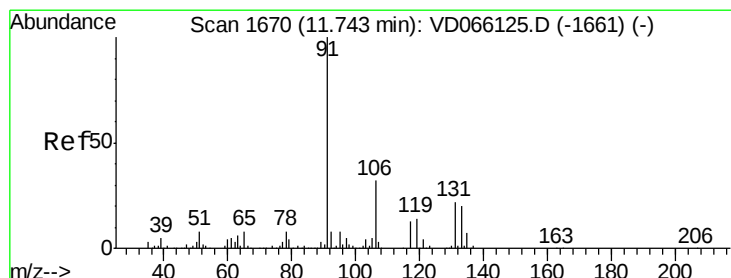
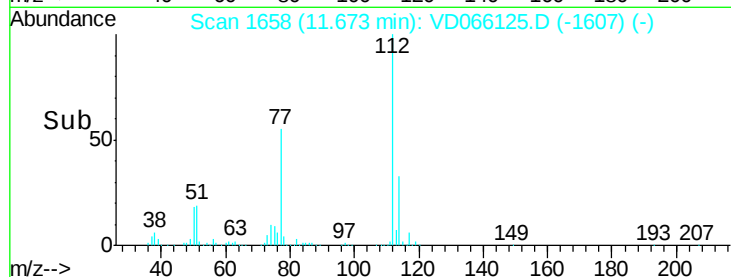
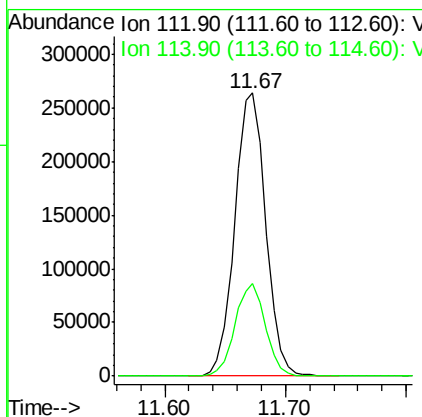
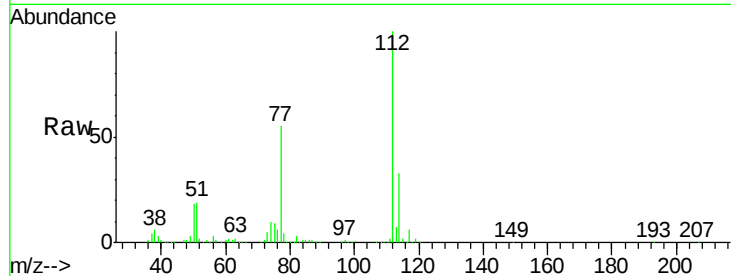
#65
Chlorobenzene
Concen: 47.226 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.1	39.1

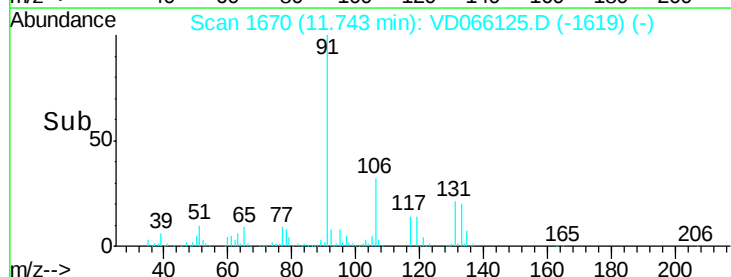
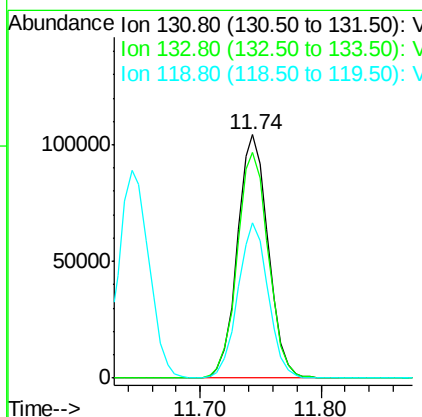
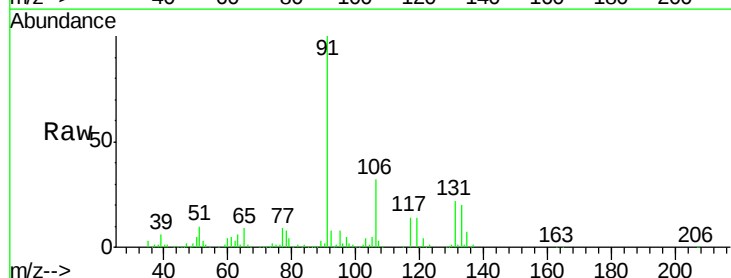
Manual Integrations
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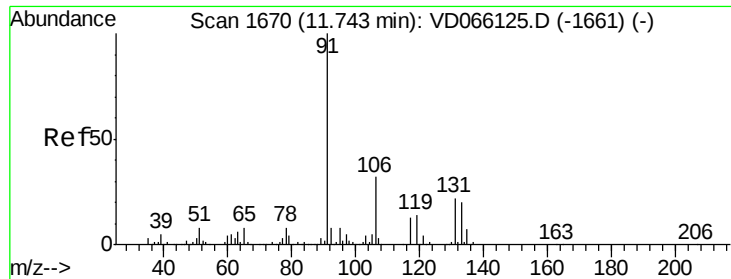
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.146 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.3	47.1	141.4
119	63.1	31.6	94.7





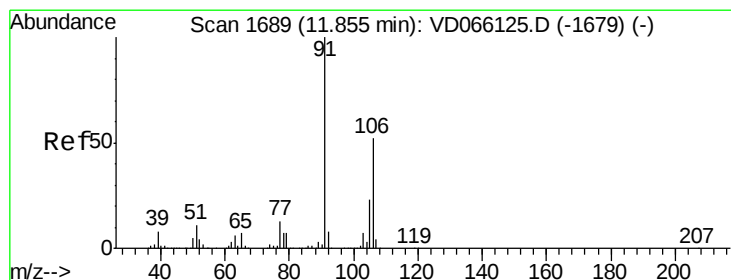
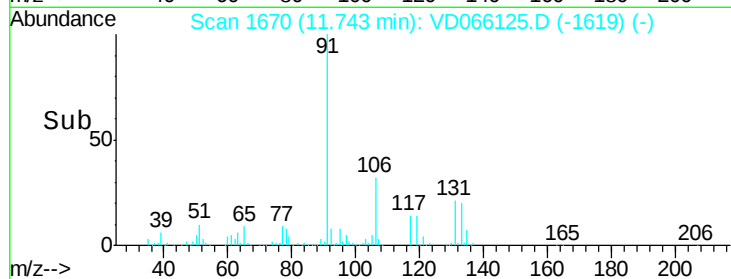
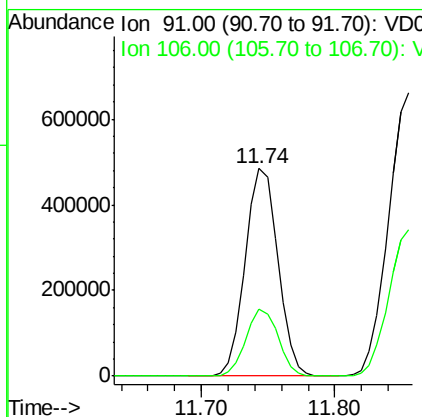
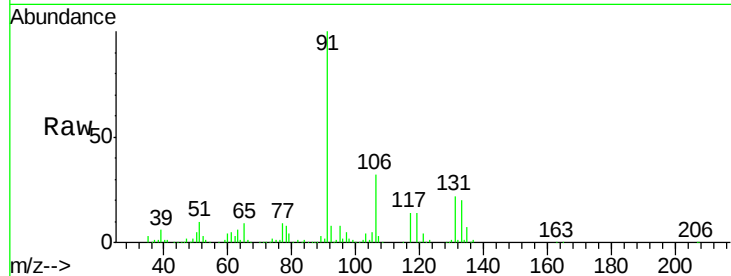
#67
Ethyl Benzene
Concen: 48.086 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	91	Resp	821890
Ion Ratio	Lower	Upper	
91	100		
106	32.1	25.7	38.5

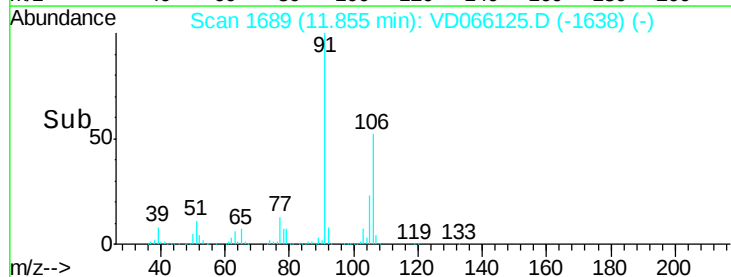
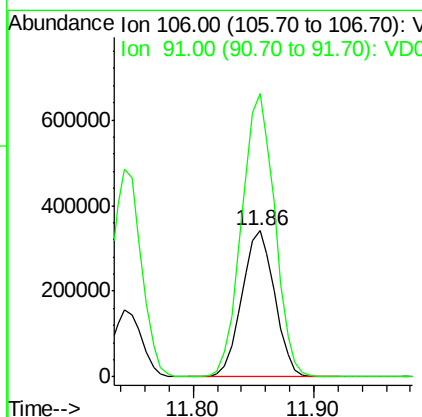
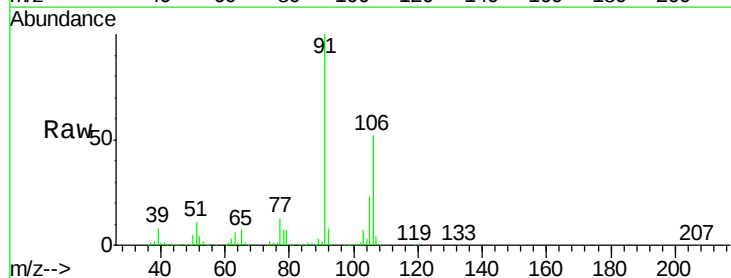
Manual Integrations
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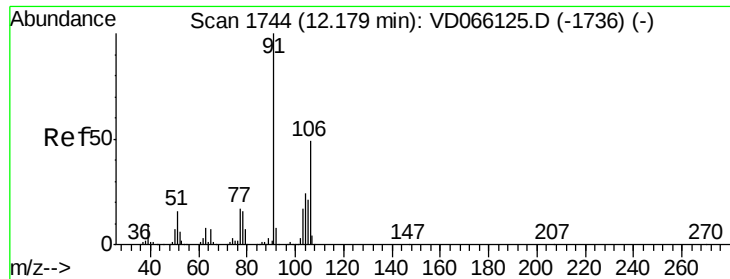
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#68
m/p-Xylenes
Concen: 97.272 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	106	Resp	646582
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
106	100		
91	195.8	156.6	235.0





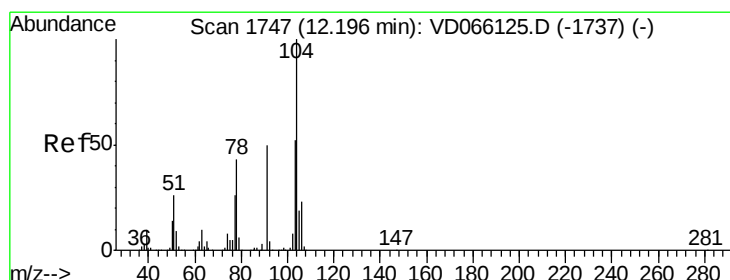
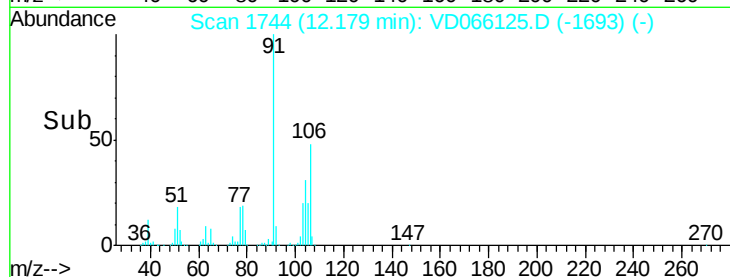
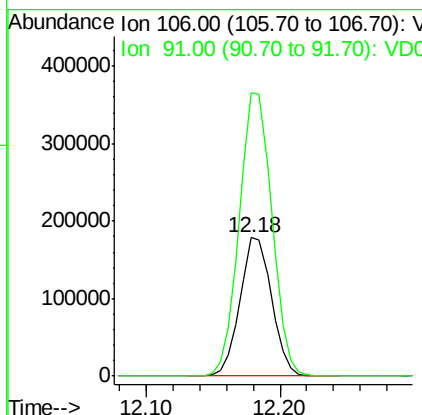
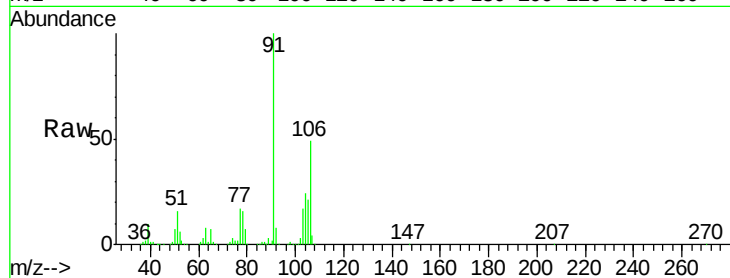
#69
o-Xylene
Concen: 49.068 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		293480		
91	211.4	105.7	317.1		

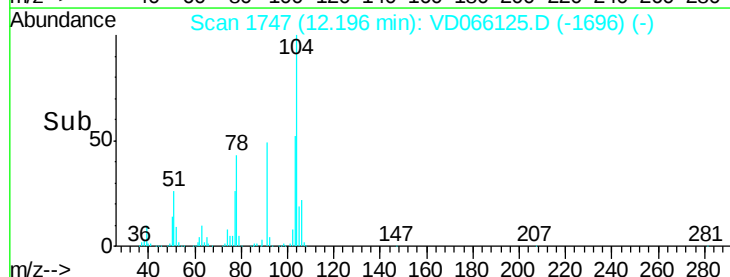
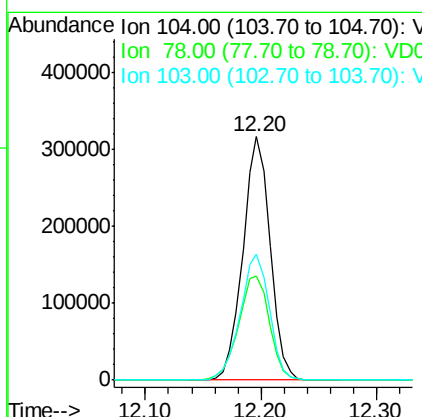
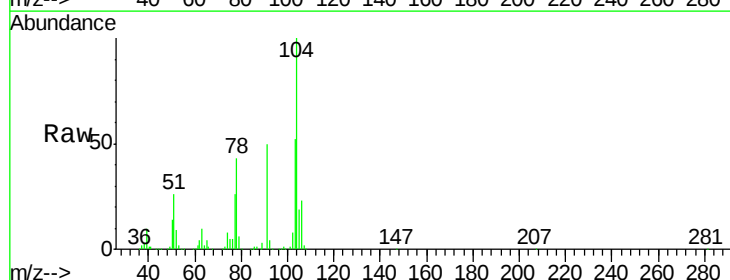
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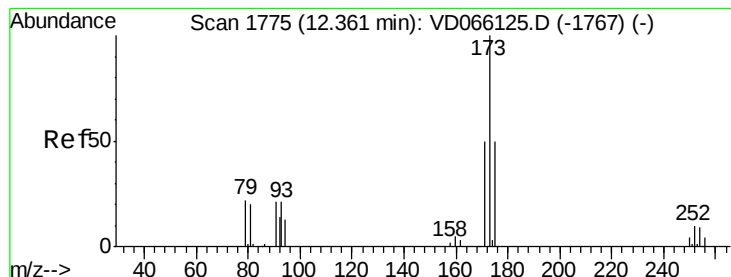
MMDadoda
8/6/2020 1:54:20 PM



#70
Styrene
Concen: 49.217 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		518571		
78	48.3	38.6	58.0		
103	55.1	44.1	66.1		





#71

Bromoform

Concen: 47.276 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 108908

Ion Ratio Lower Upper

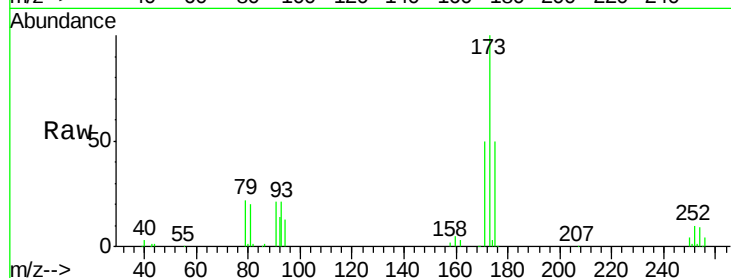
173 100

175 49.1 24.6 73.6

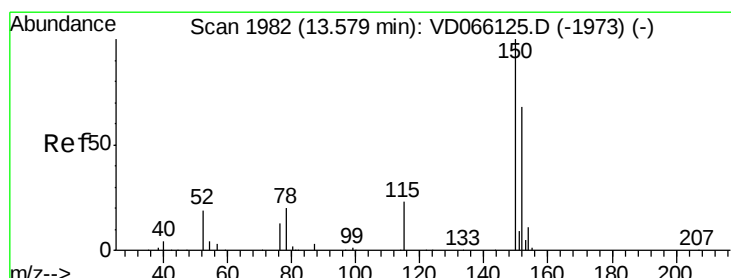
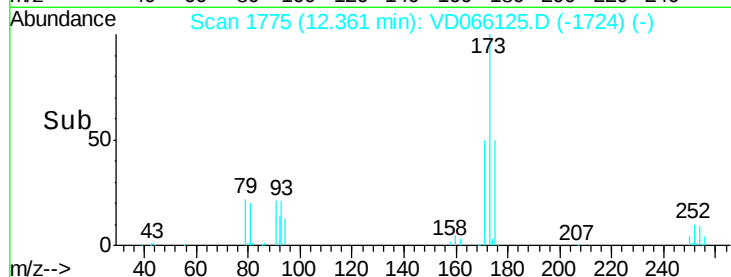
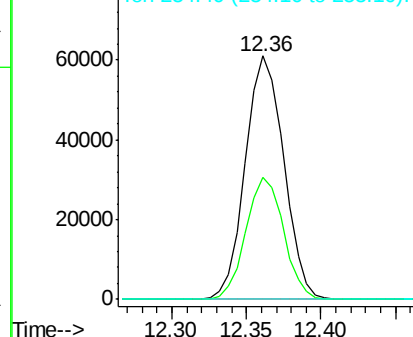
254 0.2 0.2 0.2

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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: VD066125.D

Acq: 05 Aug 2020 11:58

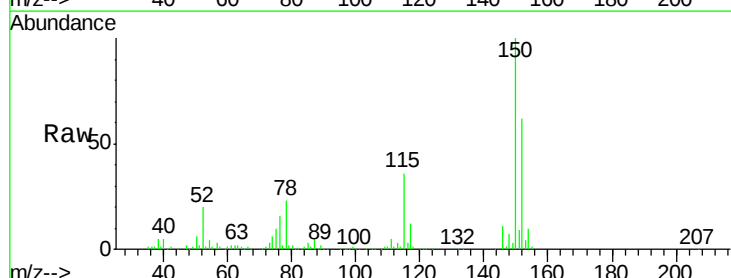
Tgt Ion:152 Resp: 247454

Ion Ratio Lower Upper

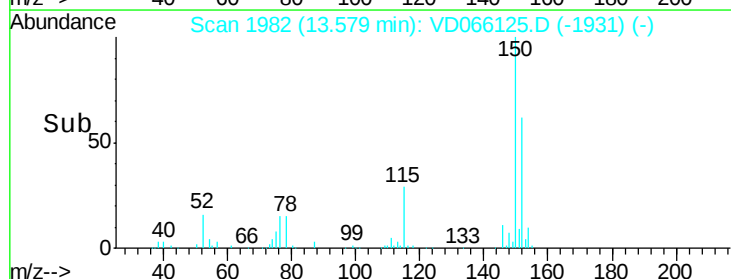
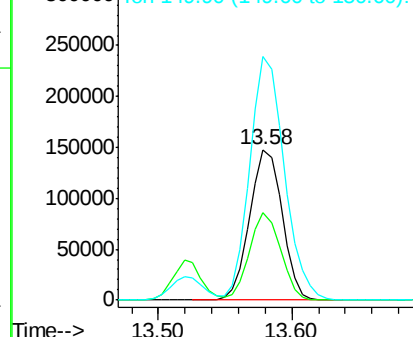
152 100

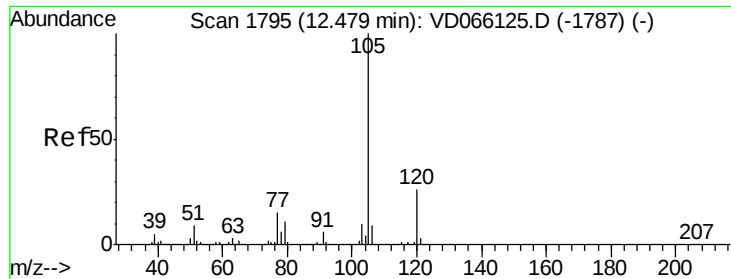
115 55.9 28.0 83.9

150 173.2 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: 49.367 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 822217

Ion Ratio Lower Upper

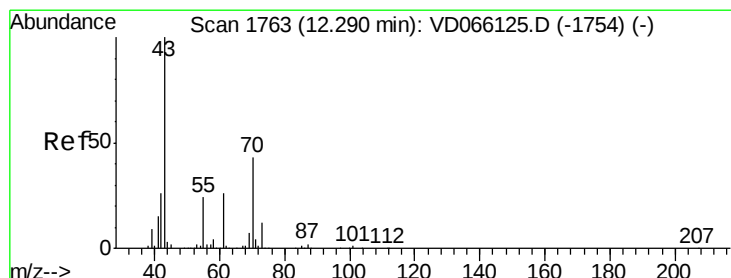
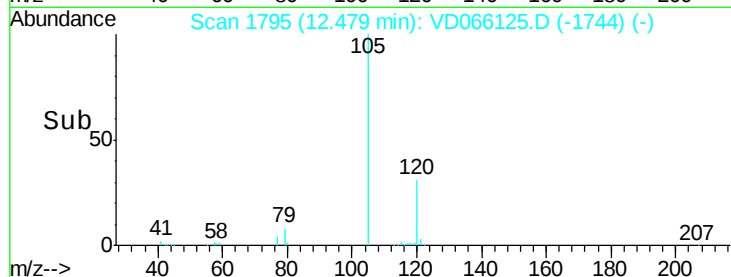
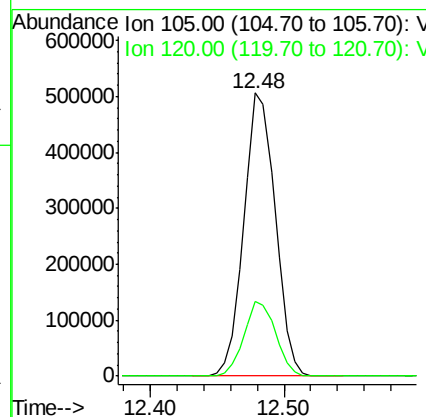
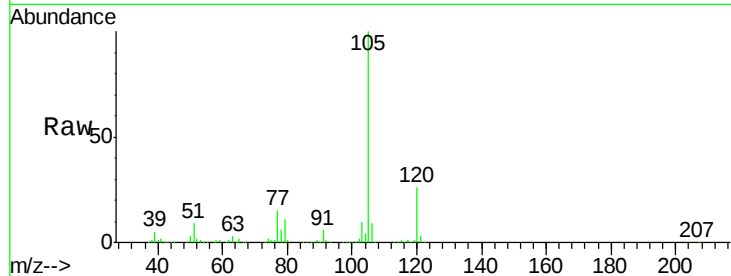
105 100

120 26.6 13.3 39.9

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#74

N-ethyl acetate

Concen: 51.707 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Tgt Ion: 43 Resp: 185272

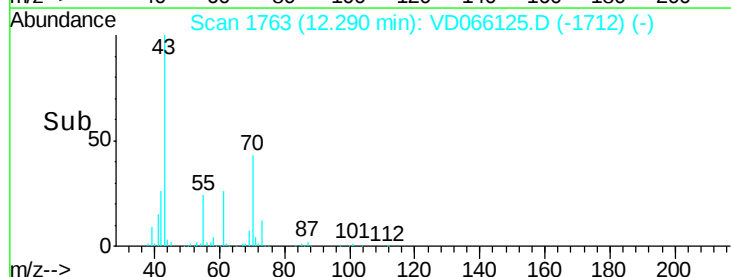
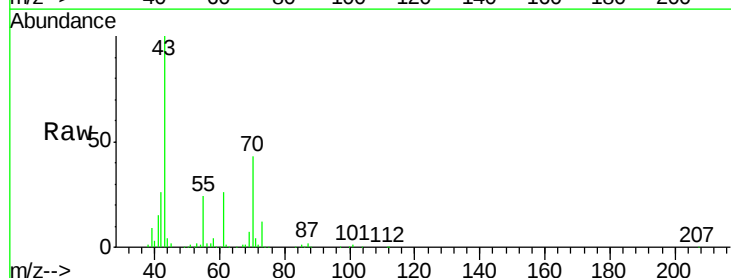
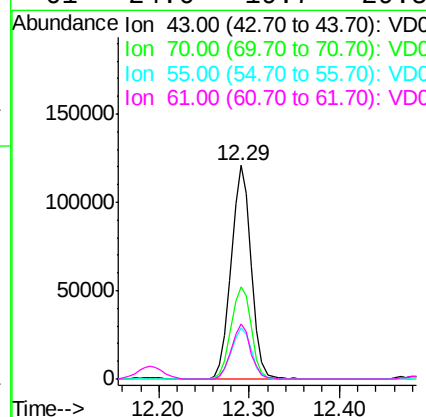
Ion Ratio Lower Upper

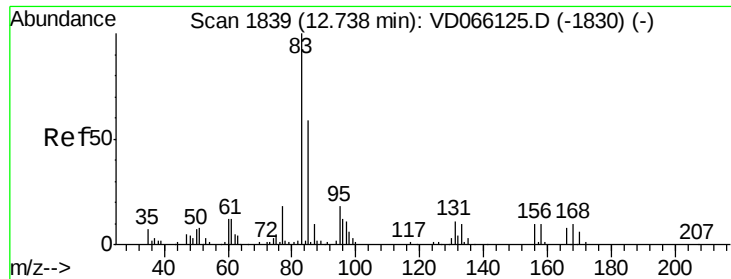
43 100

70 43.6 34.9 52.3

55 24.0 19.2 28.8

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.132 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 133244

Ion Ratio Lower Upper

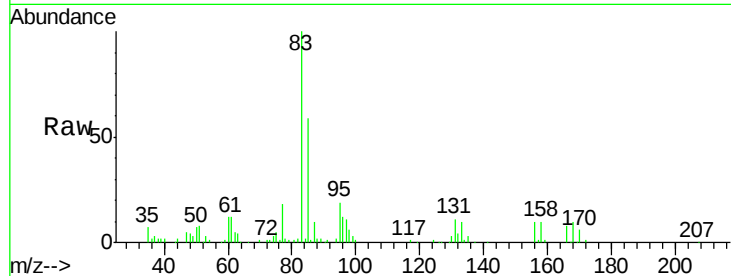
83 100

131 12.4 6.2 18.6

85 64.8 32.4 97.2

Manual Integrations
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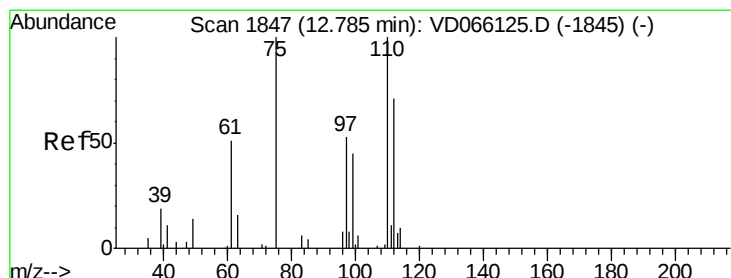
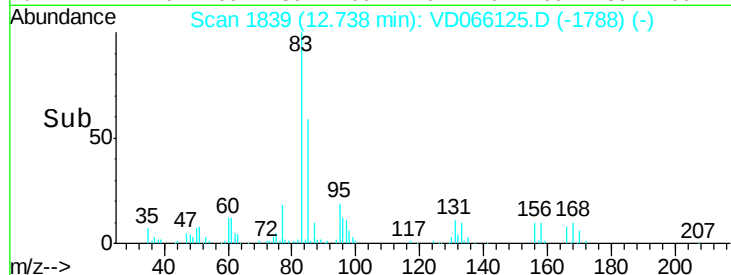
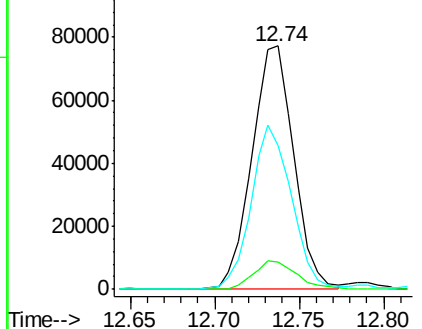
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 47.015 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VD066125.D

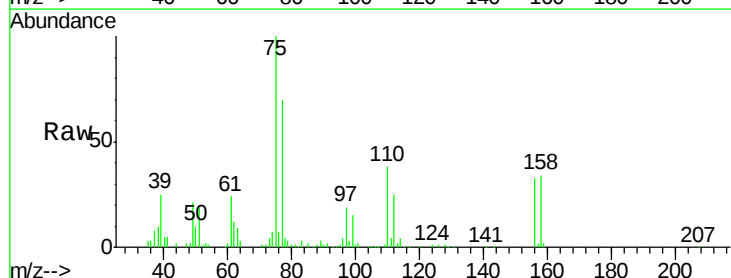
Acq: 05 Aug 2020 11:58

Tgt Ion: 75 Resp: 96323

Ion Ratio Lower Upper

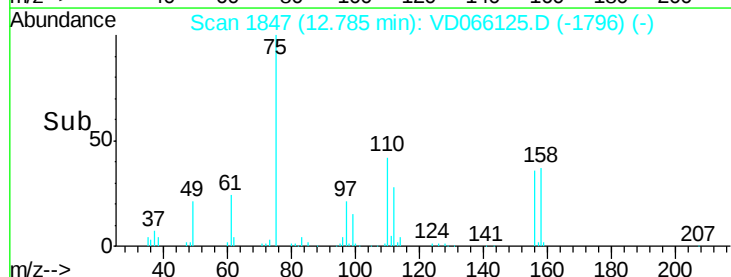
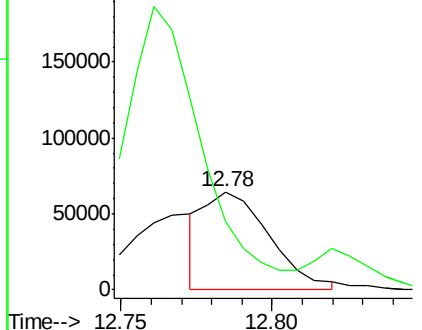
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 48.232 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

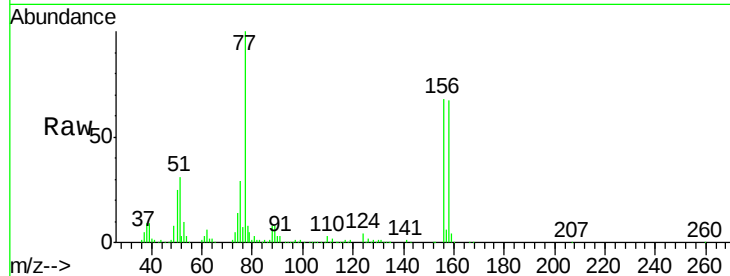
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	208577
Ion Ratio	Lower	Upper	
156	100		
77	162.1	81.0	243.1
158	97.5	48.8	146.3

Manual Integrations
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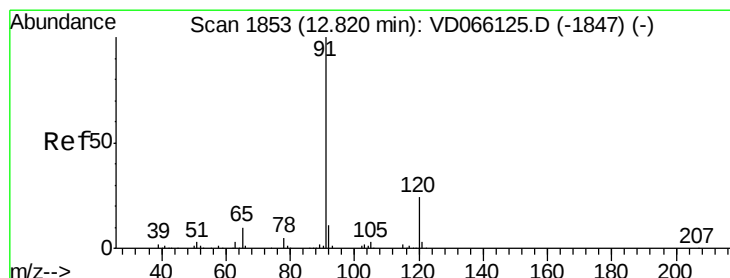
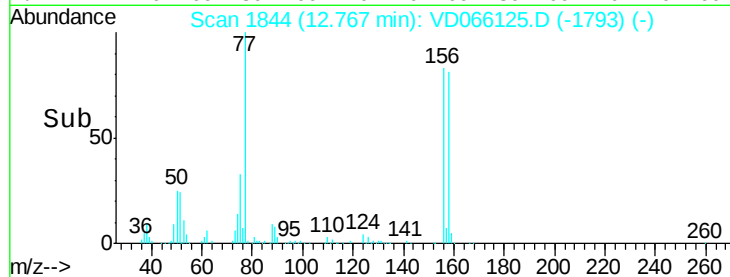
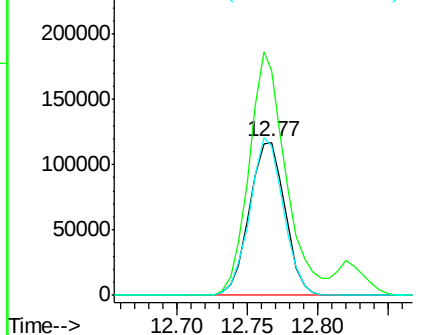
MMDadoda
8/6/2020 1:54:20 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.761 ug/l

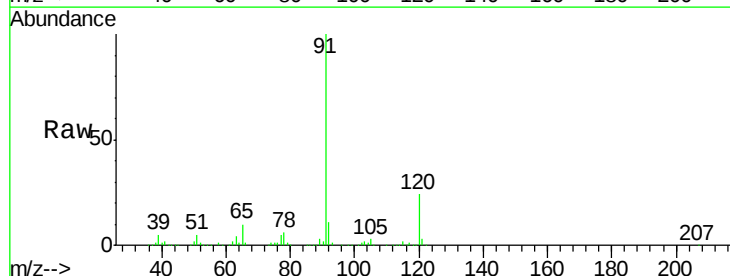
RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066125.D

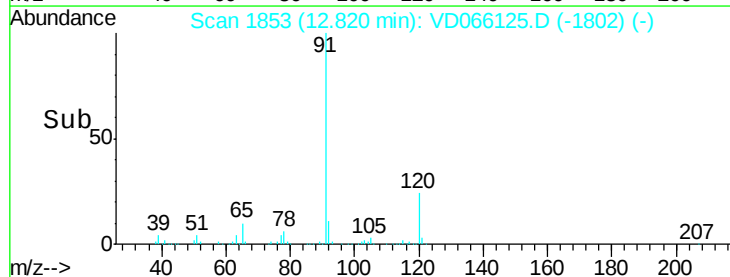
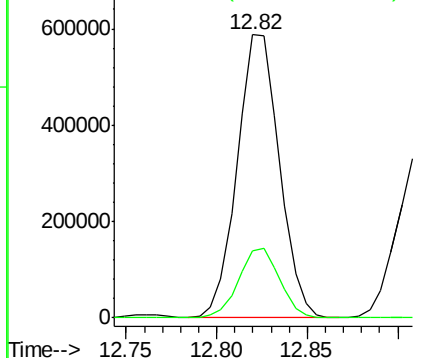
Acq: 05 Aug 2020 11:58

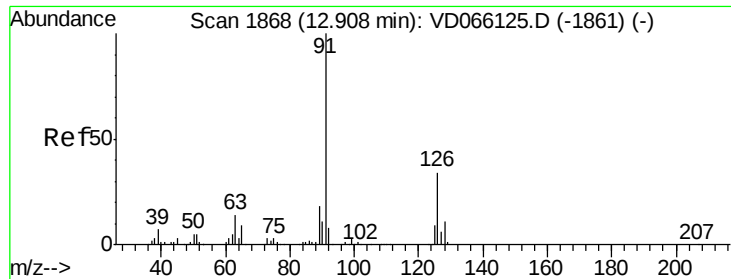
Tgt Ion:	91	Resp:	948654
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.846 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 544952

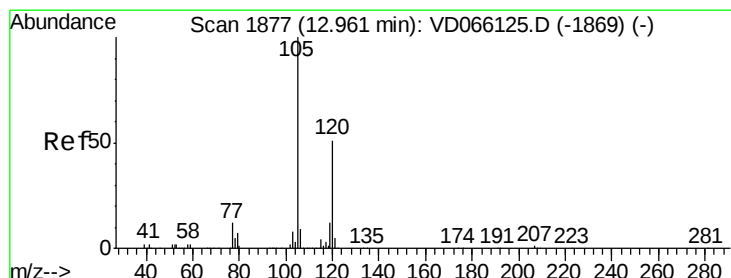
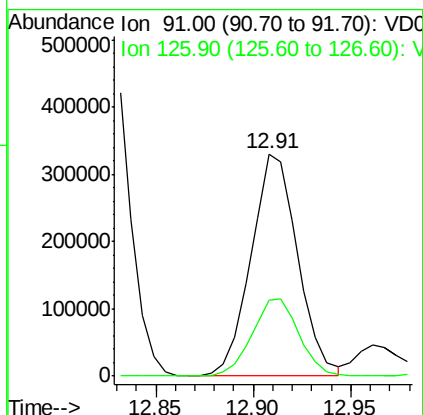
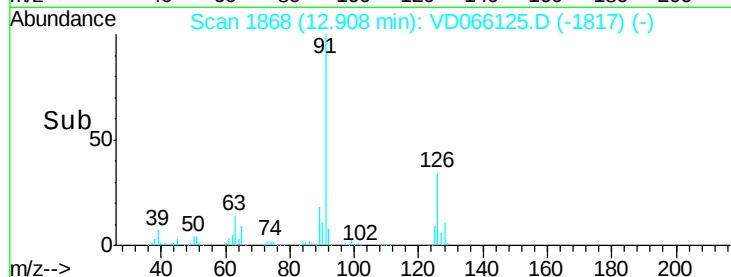
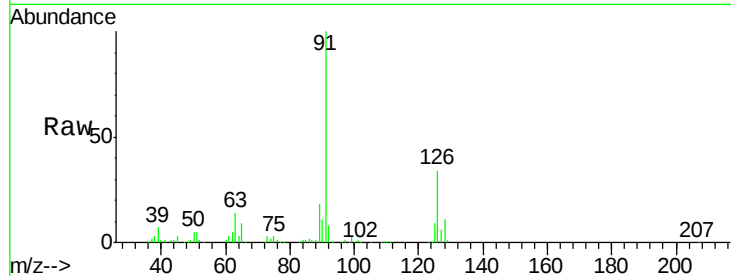
Ion Ratio Lower Upper

91 100

126 35.1 17.5 52.6

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 49.731 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD066125.D

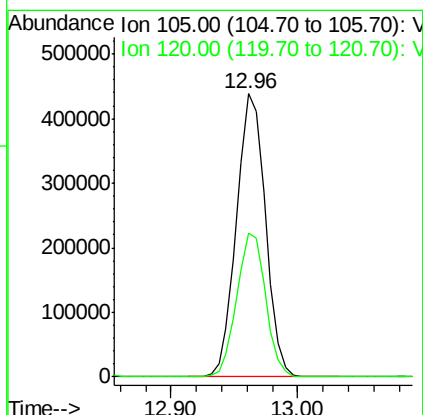
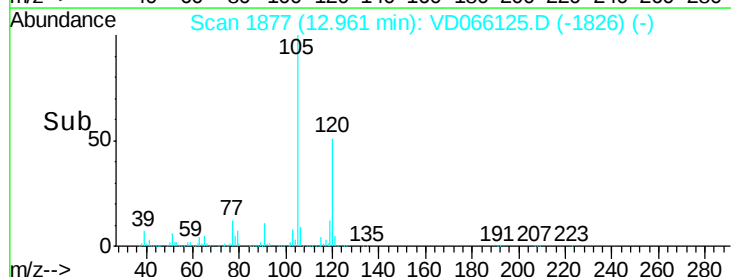
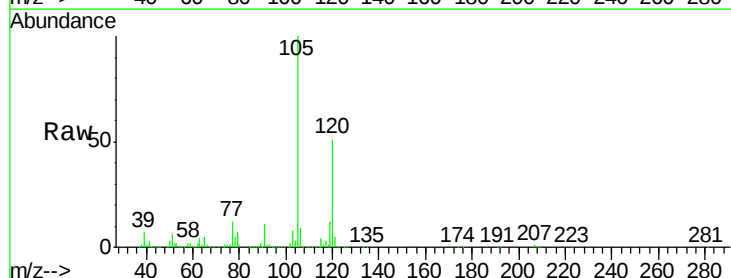
Acq: 05 Aug 2020 11:58

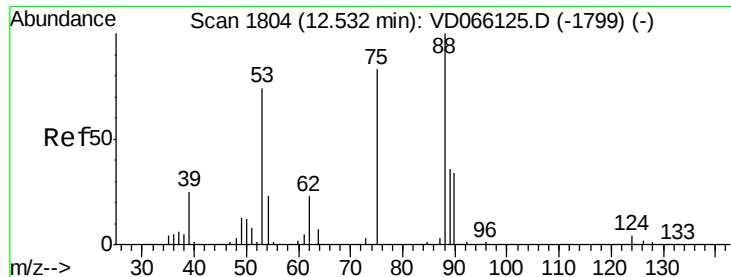
Tgt Ion: 105 Resp: 693839

Ion Ratio Lower Upper

105 100

120 50.5 25.3 75.8





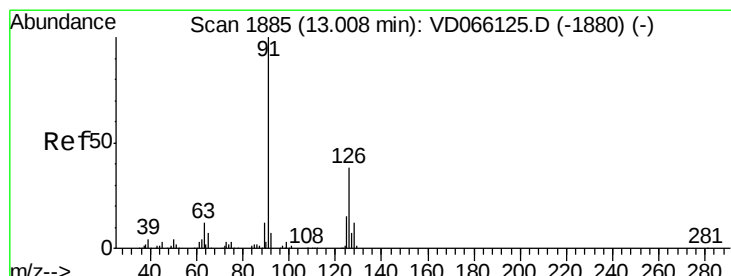
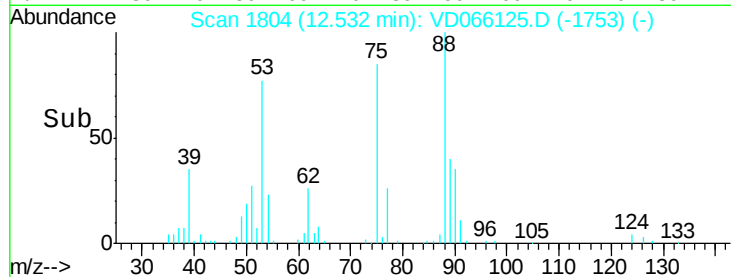
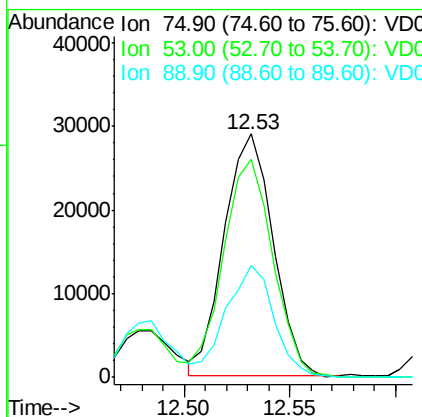
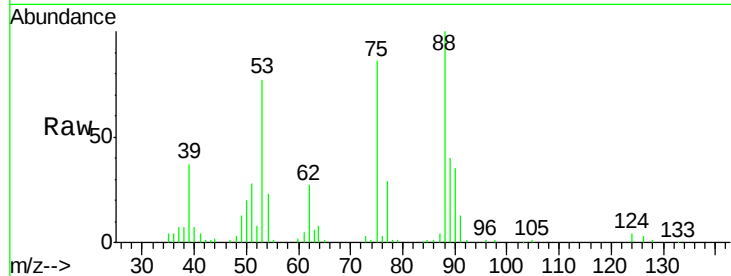
#81
trans-1,4-Dichloro-2-butene
Concen: 49.446 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.8	73.4	110.2
89	45.8	36.6	55.0

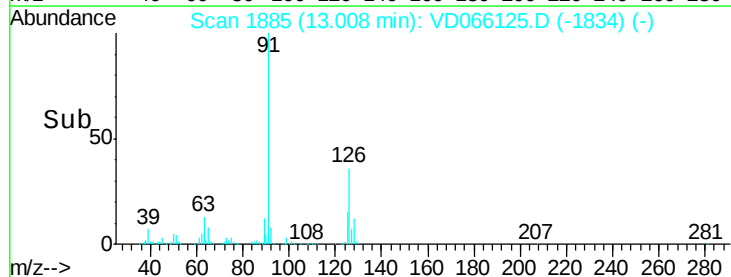
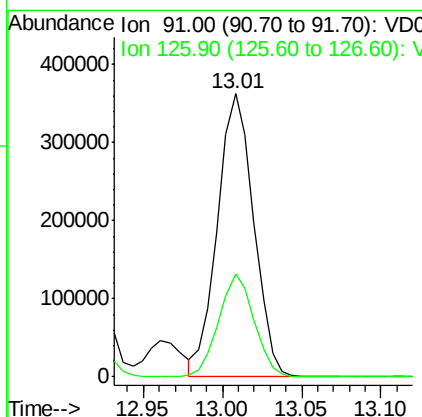
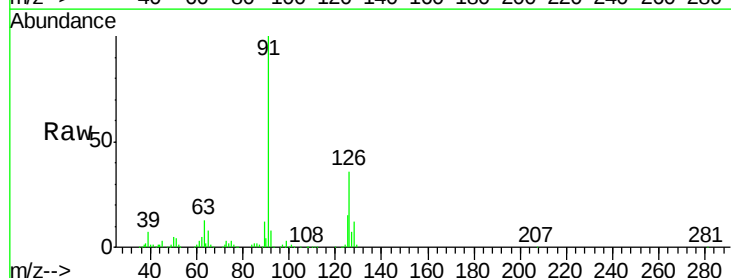
Manual Integrations
APPROVED

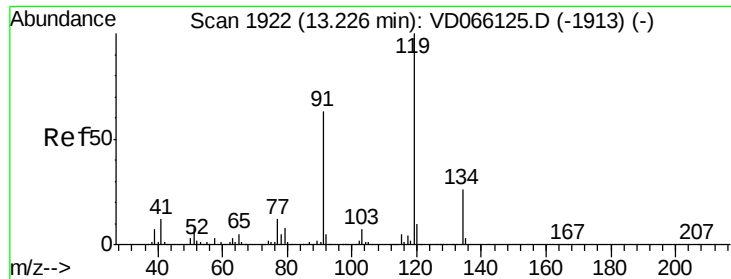
MMDadoda
8/6/2020 1:54:20 PM



#82
4-Chlorotoluene
Concen: 48.633 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.3





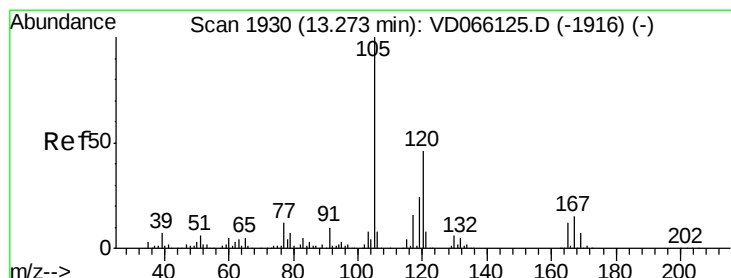
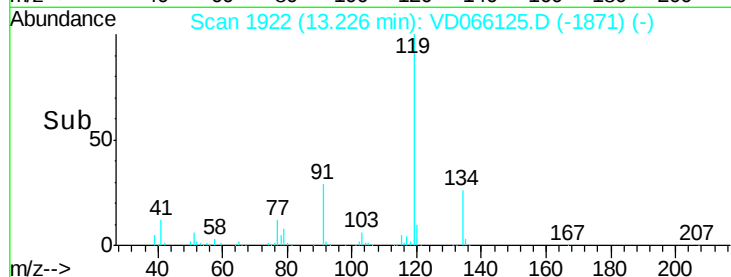
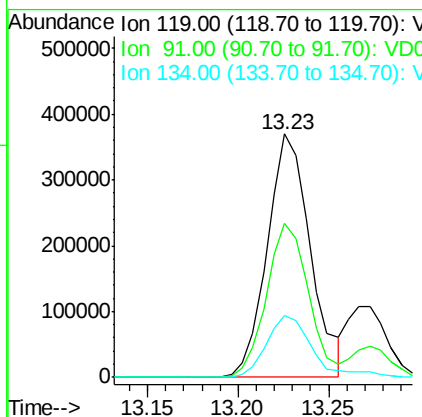
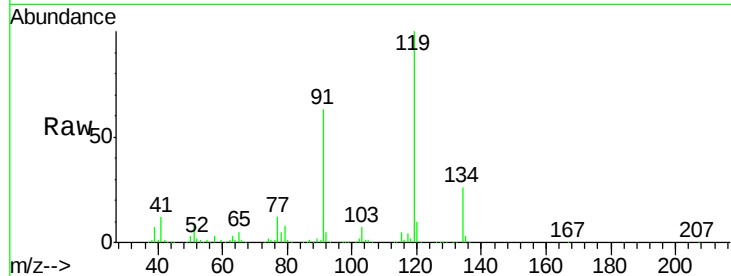
#83
tert-Butylbenzene
Concen: 50.311 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	614436		
91	61.6	30.8	92.4	
134	27.2	13.6	40.8	

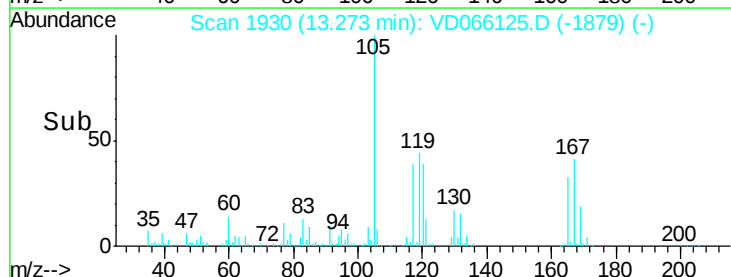
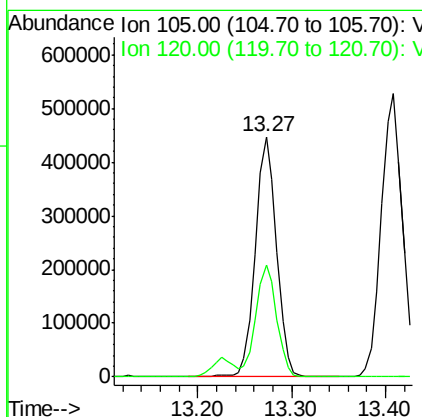
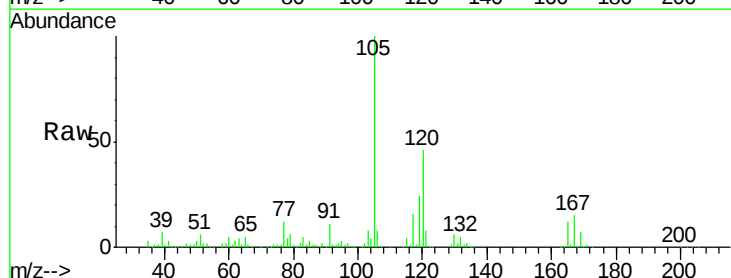
Manual Integrations
APPROVED

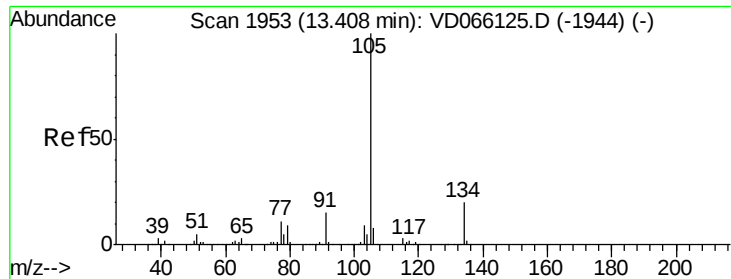
MMDadoda
8/6/2020 1:54:20 PM



#84
1,2,4-Trimethylbenzene
Concen: 49.582 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	695686		
120	46.1	23.1	69.2	





#85

sec-Butylbenzene

Concen: 49.543 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 820454

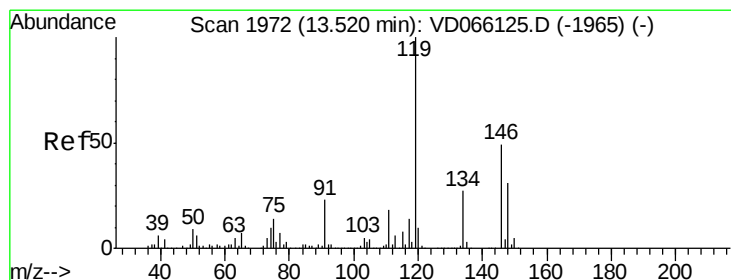
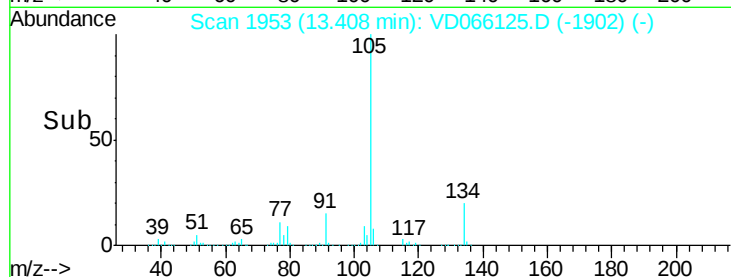
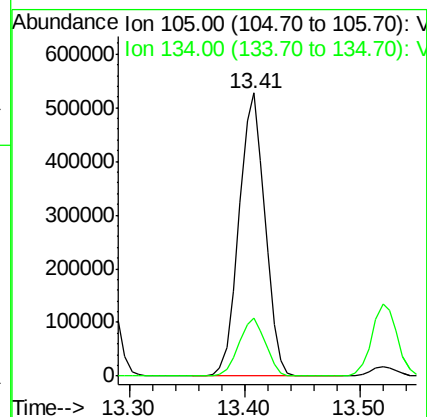
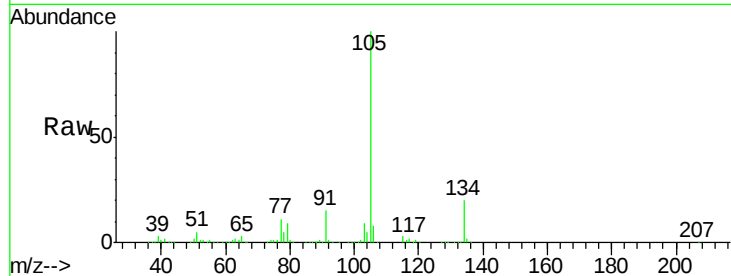
Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 49.168 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

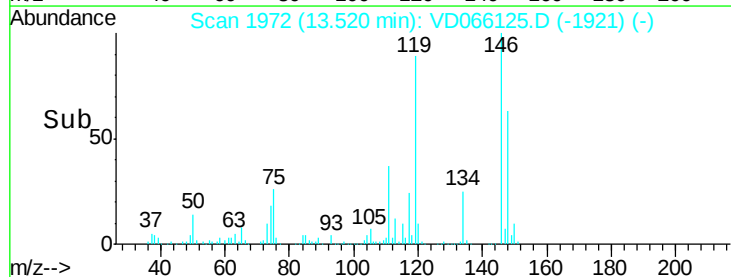
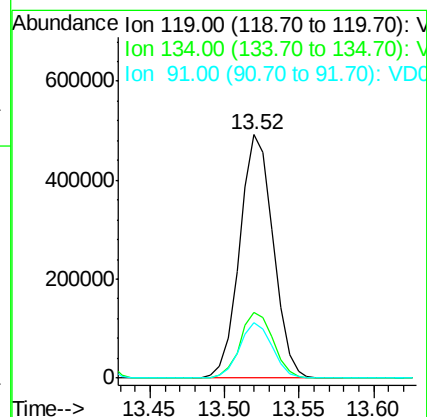
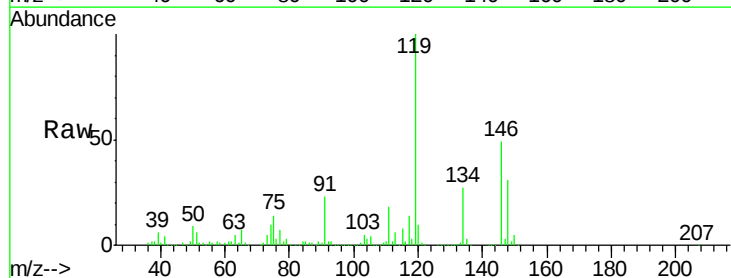
Tgt Ion:119 Resp: 765817

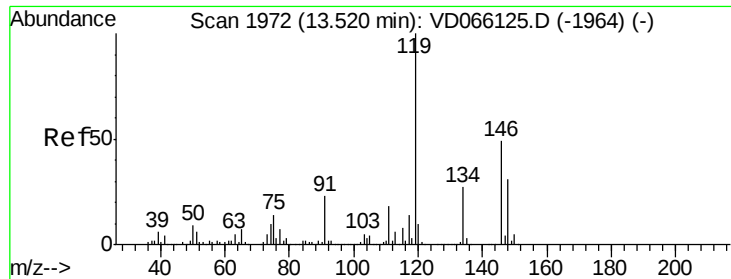
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 22.3 11.2 33.5





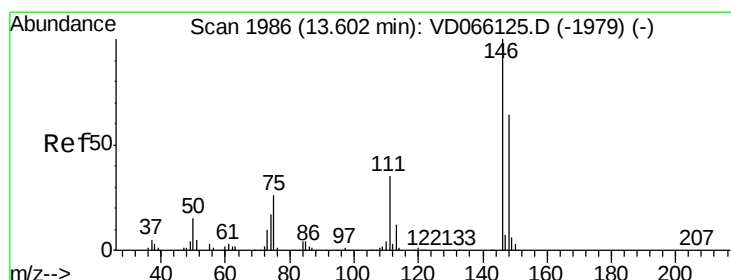
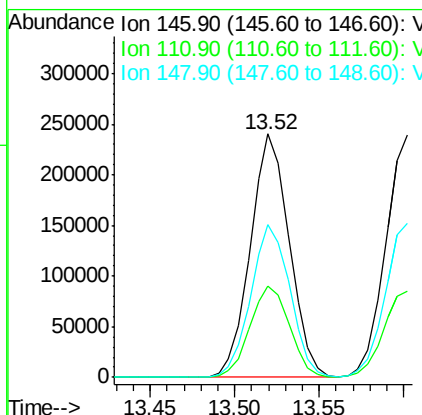
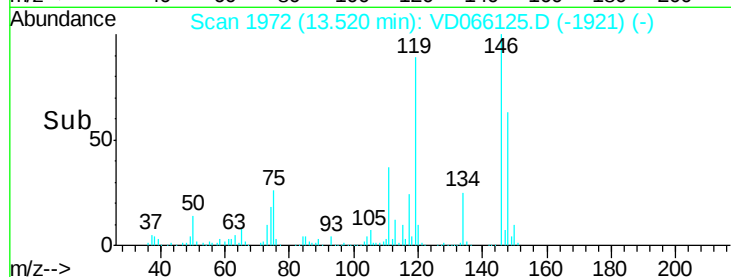
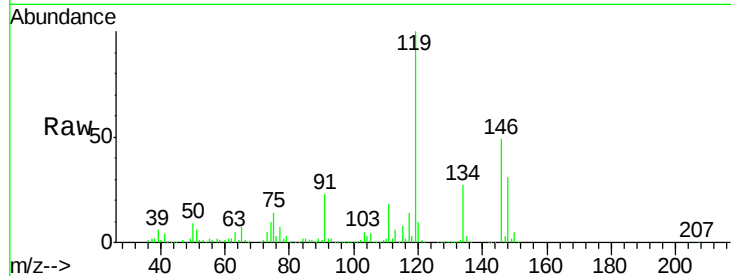
#87
 1,3-Dichlorobenzene
 Concen: 46.869 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	385631		
111	37.9	18.9	56.9	
148	63.5	31.8	95.3	

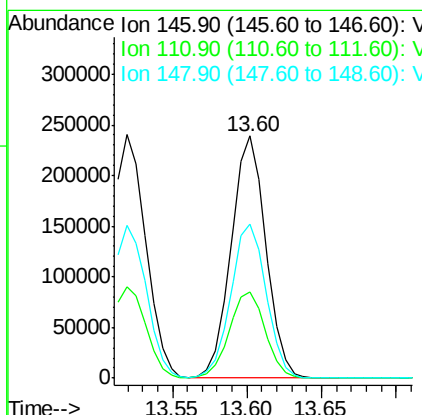
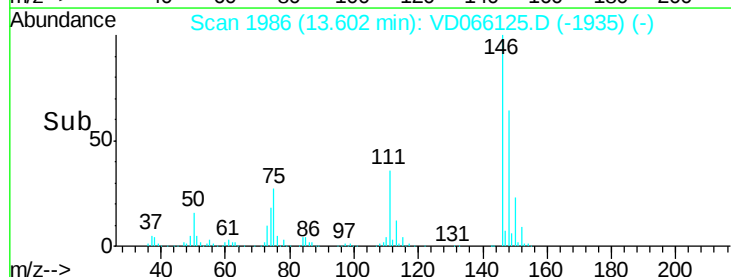
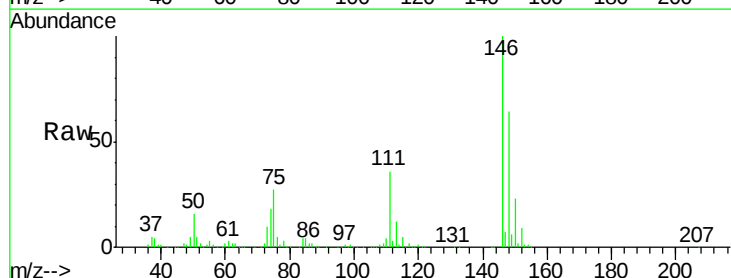
Manual Integrations
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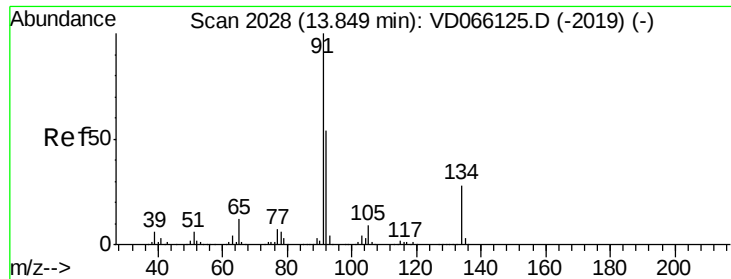
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 8/6/2020 1:54:20 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.463 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	387988		
111	37.2	18.6	55.8	
148	64.7	32.4	97.0	





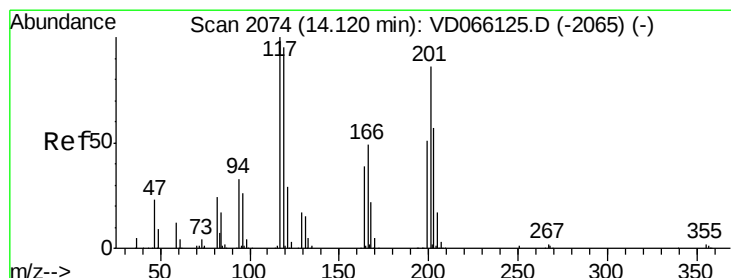
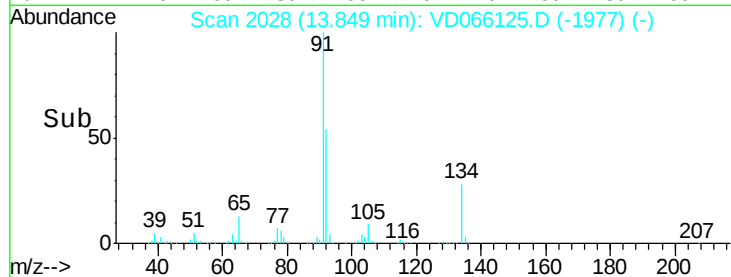
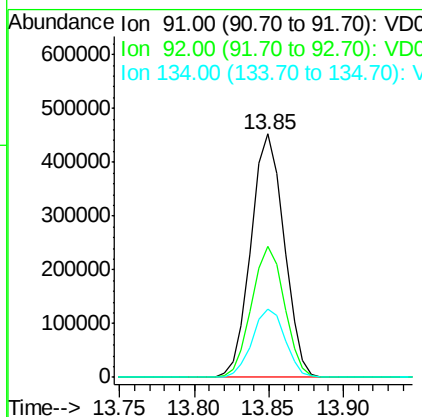
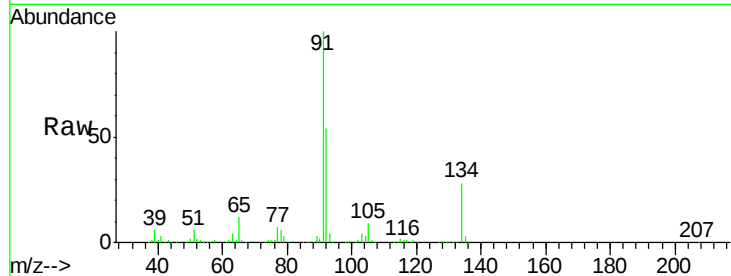
#89
n-Butylbenzene
Concen: 50.222 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	693757		
92	53.5	26.8	80.3	
134	27.9	14.0	41.9	

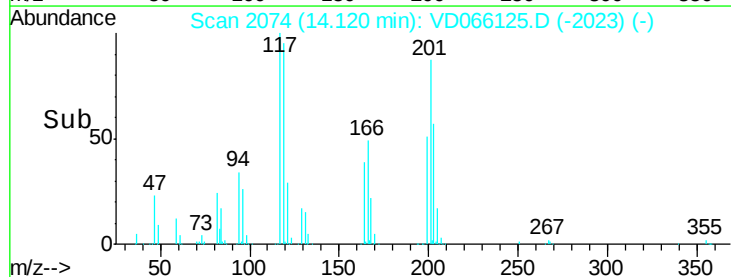
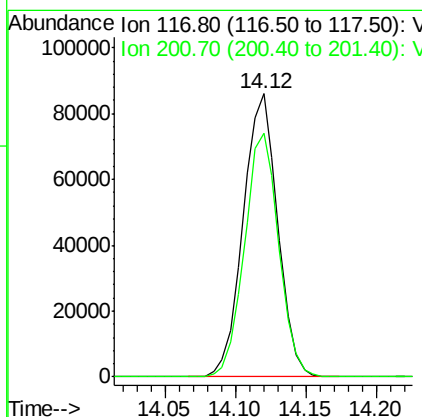
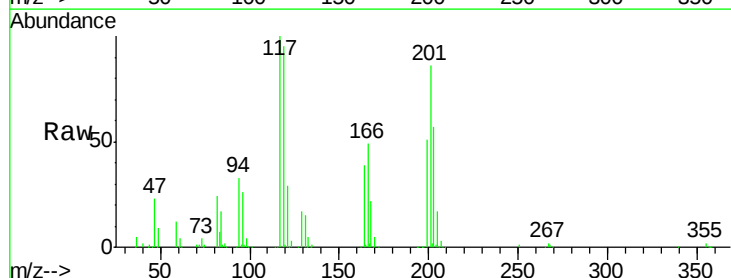
Manual Integrations
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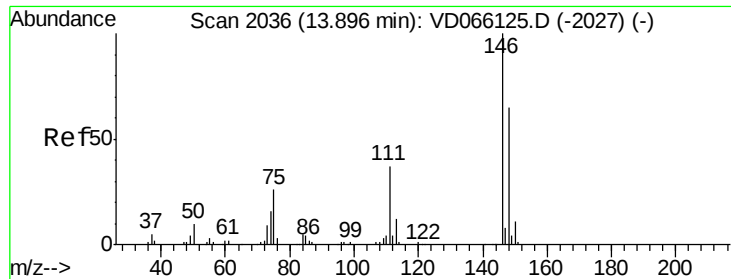
MMDadoda
8/6/2020 1:54:20 PM



#90
Hexachloroethane
Concen: 47.336 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD066125.D
Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	147305		
201	85.4	42.7	128.1	





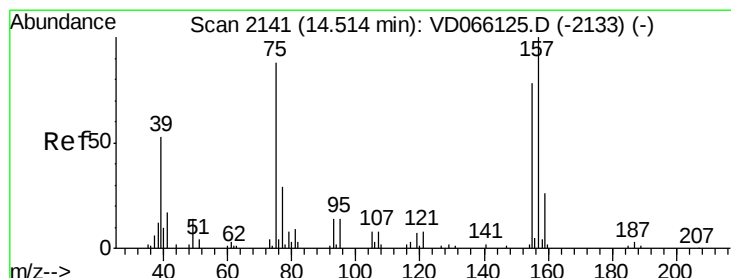
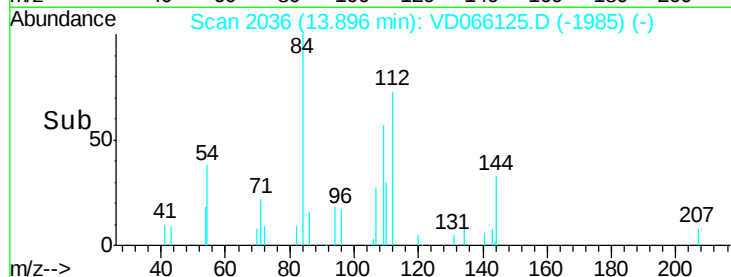
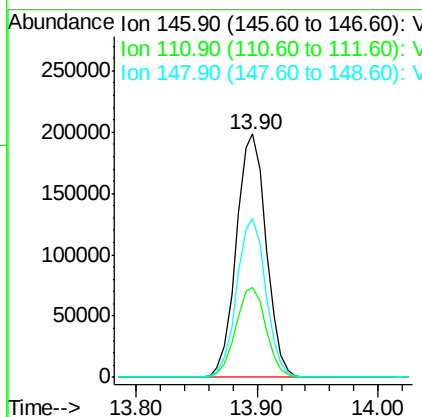
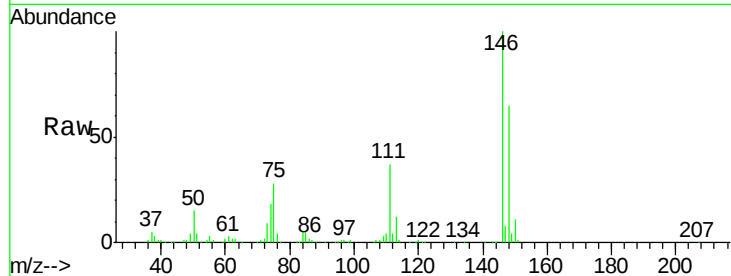
#91
 1,2-Dichlorobenzene
 Concen: 47.159 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	342199		
111	37.5	18.8	56.3	
148	63.7	31.9	95.5	

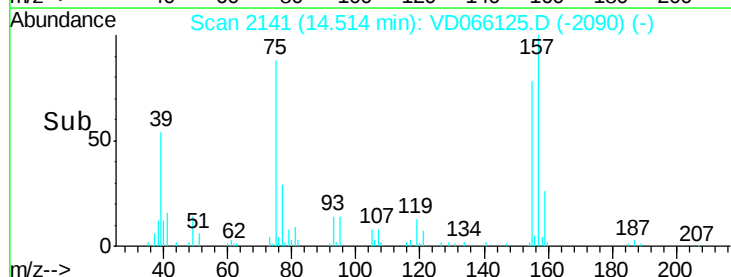
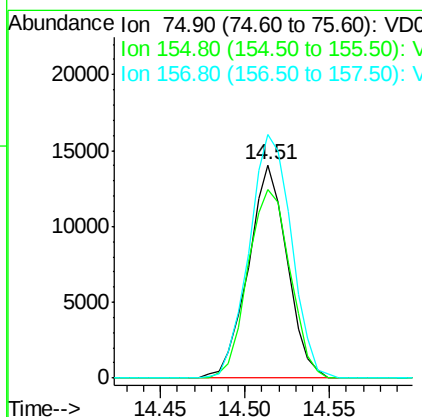
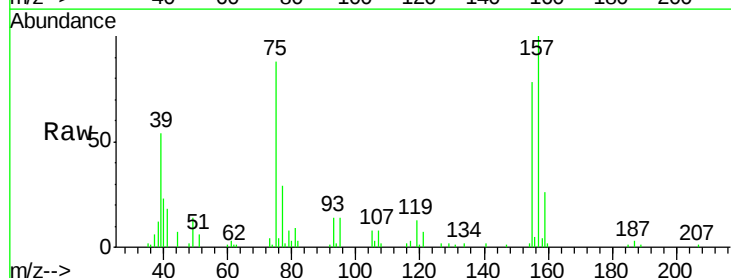
Manual Integrations
 APPROVED

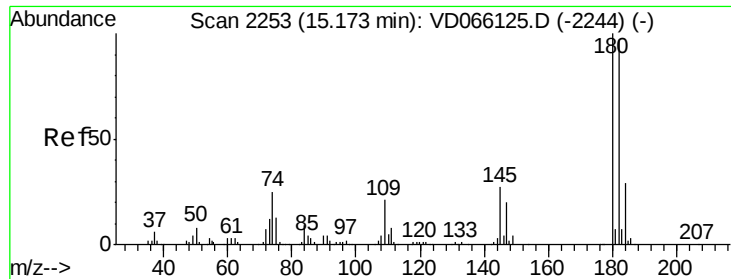
MMDadoda
 8/6/2020 1:54:20 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.870 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22550		
155	95.4	47.7	143.1	
157	124.1	62.1	186.2	





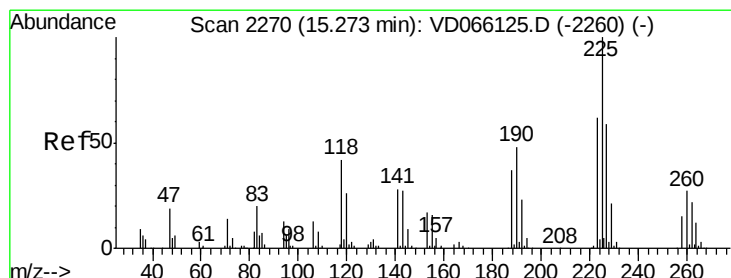
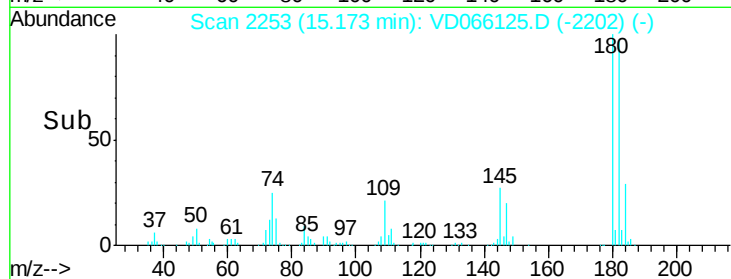
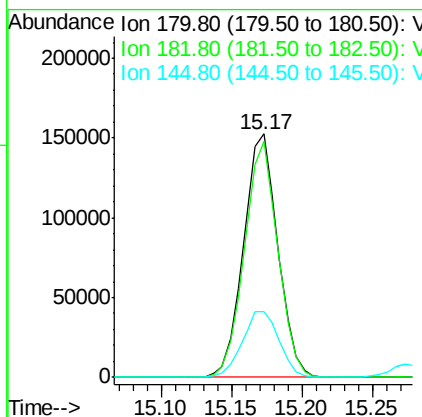
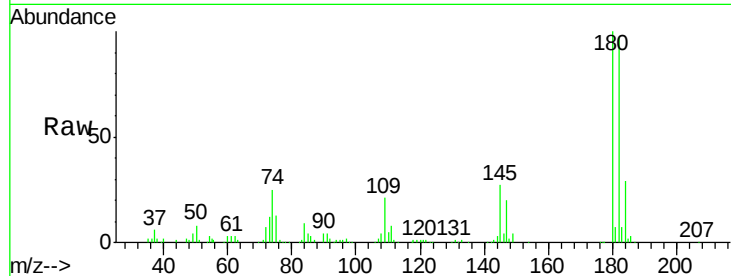
#93
 1,2,4-Trichlorobenzene
 Concen: 49.719 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	258923		
182	94.8	47.4	142.2	
145	29.1	14.5	43.6	

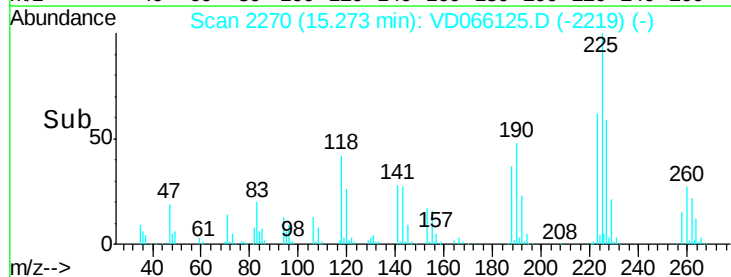
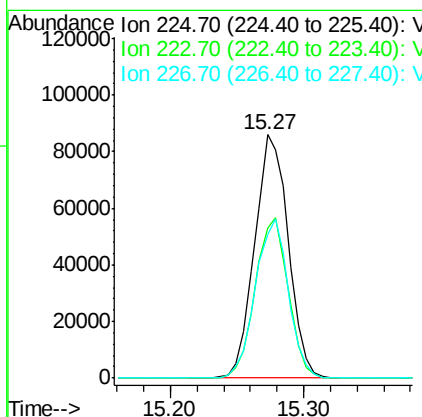
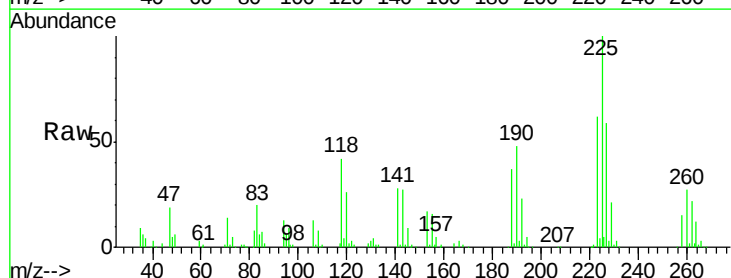
Manual Integrations
 APPROVED

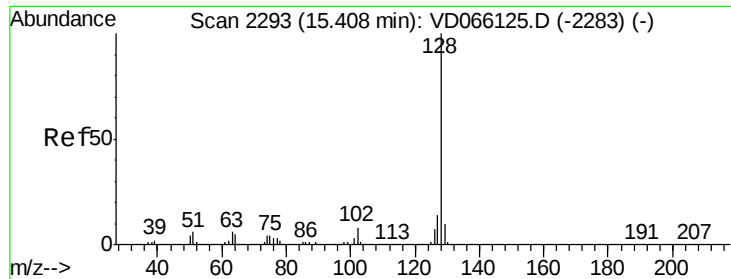
MMDadoda
 8/6/2020 1:54:20 PM



#94
 Hexachlorobutadiene
 Concen: 48.209 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066125.D
 Acq: 05 Aug 2020 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149085		
223	64.6	32.3	96.9	
227	64.3	32.1	96.5	





#95

Naphthalene

Concen: 53.040 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Instrument :

MSVOA_D

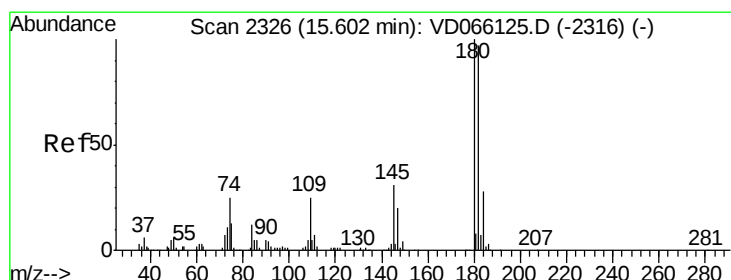
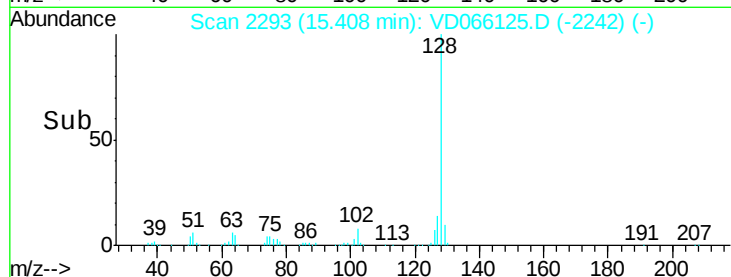
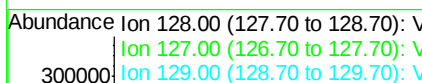
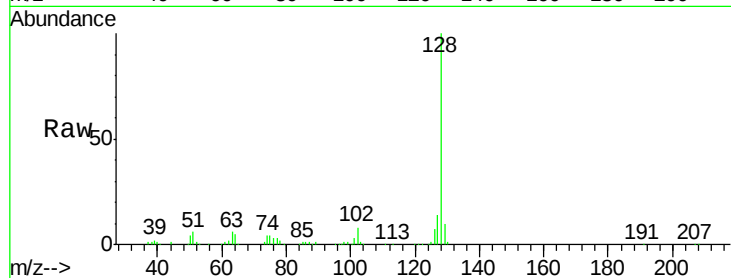
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	435767
Ion Ratio	Lower	Upper	
128	100		
127	13.7	11.0	16.4
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/6/2020 1:54:20 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.725 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066125.D

Acq: 05 Aug 2020 11:58

Tgt Ion:	180	Resp:	229315
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.1	141.4
145	29.9	14.9	44.9

