

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081420\
 Data File : VD066231.D
 Acq On : 14 Aug 2020 12:43
 Operator : VA/SY
 Sample : VD0814SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Manual Integrations
 APPROVED

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 8/17/2020 5:45:57 PM

Quant Time: Aug 17 08:59:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	317861	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	454537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	438124	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220314	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	142697	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
35) Dibromofluoromethane	7.91	113	146466	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.34	98	546838	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.63	95	193903	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	55353	19.766	ug/l	95
3) Chloromethane	2.21	50	40221	18.463	ug/l	99
4) Vinyl Chloride	2.35	62	38090	19.750	ug/l	99
5) Bromomethane	2.76	94	25705	20.089	ug/l	99
6) Chloroethane	2.91	64	21971	18.558	ug/l #	89
7) Trichlorofluoromethane	3.27	101	96529	19.198	ug/l	96
8) Diethyl Ether	3.70	74	25307	17.837	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	55789	18.696	ug/l	99
10) Methyl Iodide	4.30	142	51095	22.994	ug/l	99
11) Tert butyl alcohol	5.23	59	21914	77.237	ug/l	95
12) 1,1-Dichloroethene	4.06	96	52264	18.566	ug/l	97
13) Acrolein	3.92	56	14226	63.024	ug/l	98
14) Allyl chloride	4.71	41	78279	18.355	ug/l	100
15) Acrylonitrile	5.42	53	51740	86.543	ug/l	99
16) Acetone	4.16	43	45402	84.379	ug/l	98
17) Carbon Disulfide	4.40	76	158293	17.685	ug/l	96
18) Methyl Acetate	4.71	43	23194	16.971	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	116438	18.046	ug/l	99
20) Methylene Chloride	4.96	84	70739	20.103	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	60536	18.720	ug/l	91
22) Diisopropyl ether	6.36	45	151731	17.992	ug/l	96
23) Vinyl Acetate	6.30	43	429363	86.904	ug/l	97
24) 1,1-Dichloroethane	6.26	63	95482	18.295	ug/l	98
25) 2-Butanone	7.21	43	68745	86.865	ug/l	97
26) 2,2-Dichloropropane	7.20	77	91355	19.530	ug/l	99
27) cis-1,2-Dichloroethene	7.20	96	63811	18.813	ug/l	99
28) Bromochloromethane	7.54	49	37585	20.504	ug/l	100
29) Tetrahydrofuran	7.56	42	42676	87.036	ug/l	96
30) Chloroform	7.71	83	102780	18.754	ug/l	96
31) Cyclohexane	7.98	56	91966	18.511	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	97260	18.928	ug/l	97
36) 1,1-Dichloropropene	8.11	75	78728	18.432	ug/l	97
37) Ethyl Acetate	7.29	43	28428	16.798	ug/l	97
38) Carbon Tetrachloride	8.09	117	93372	19.603	ug/l	94

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 Sample : VD0814SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
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Manual Integrations
 APPROVED

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 8/17/2020 5:45:57 PM

Quant Time: Aug 17 08:59:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	97901	18.961	ug/l	99
40) Benzene	8.35	78	224484	18.946	ug/l	98
41) Methacrylonitrile	7.52	41	16771	16.855	ug/l	95
42) 1,2-Dichloroethane	8.42	62	63907	18.360	ug/l	100
43) Isopropyl Acetate	8.44	43	58830	17.643	ug/l	99
44) Trichloroethene	9.11	130	70044	19.618	ug/l	95
45) 1,2-Dichloropropane	9.38	63	55472	19.142	ug/l	91
46) Dibromomethane	9.47	93	29461	18.456	ug/l	99
47) Bromodichloromethane	9.66	83	77476	18.364	ug/l	90
48) Methyl methacrylate	9.45	41	31315	18.392	ug/l	99
49) 1,4-Dioxane	9.46	88	6904	336.654	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	152053	88.778	ug/l	99
52) Toluene	10.40	92	149617	19.190	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	74955	18.721	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	89438	19.066	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	42306	18.406	ug/l	96
56) Ethyl methacrylate	10.66	69	51189	18.539	ug/l	99
57) 1,3-Dichloropropane	10.94	76	70267	18.414	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	125364	100.936	ug/l	100
59) 2-Hexanone	10.98	43	105338	87.633	ug/l	98
60) Dibromochloromethane	11.14	129	58250	18.356	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40723	18.423	ug/l	99
64) Tetrachloroethene	10.87	164	60657	18.030	ug/l	96
65) Chlorobenzene	11.67	112	163222	18.352	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	62324	17.909	ug/l	98
67) Ethyl Benzene	11.74	91	281158	18.242	ug/l	99
68) m/p-Xylenes	11.85	106	220487	36.923	ug/l	96
69) o-Xylene	12.18	106	100455	18.493	ug/l	98
70) Styrene	12.20	104	173921	18.269	ug/l	98
71) Bromoform	12.36	173	36696	17.798	ug/l #	97
73) Isopropylbenzene	12.48	105	277971	18.901	ug/l	100
74) N-amyl acetate	12.29	43	55830	17.240	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	44923	17.914	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	34343m	18.692	ug/l	
77) Bromobenzene	12.76	156	71273	18.827	ug/l	100
78) n-propylbenzene	12.82	91	325357	19.032	ug/l	99
79) 2-Chlorotoluene	12.91	91	184838	18.905	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	235388	19.139	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15375	18.499	ug/l	95
82) 4-Chlorotoluene	13.01	91	195782	18.969	ug/l	97
83) tert-Butylbenzene	13.23	119	202102	18.685	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	235093	19.100	ug/l	100
85) sec-Butylbenzene	13.40	105	280269	19.192	ug/l	99
86) p-Isopropyltoluene	13.52	119	263825	19.262	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	136564	19.193	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	134336	18.932	ug/l	98
89) n-Butylbenzene	13.85	91	236872	19.302	ug/l	99
90) Hexachloroethane	14.11	117	52461	19.205	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	117131	18.614	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7410	17.193	ug/l	96

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MSVOA_D
ClientSampleId :
VD0814SBSD01

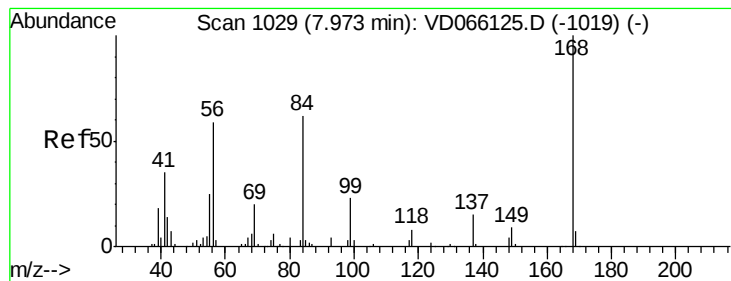
Manual Integrations
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8/17/2020 5:45:57 PM

Quant Time: Aug 17 08:59:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	82414	17.772	ug/l	98
94) Hexachlorobutadiene	15.27	225	52921	19.380	ug/l	97
95) Naphthalene	15.41	128	129471	17.135	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	74654	18.237	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Tot Ion:168 Resp: 317861

Ion Ratio Lower Upper

168 100

99 54.7 42.2 63.4

Instrument :

MSVOA_D

ClientSampleId :

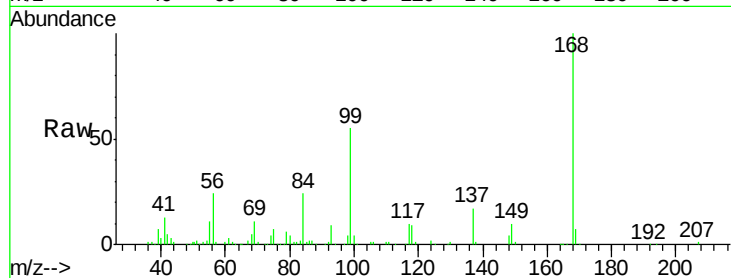
VD0814SBS01

Manual Integrations

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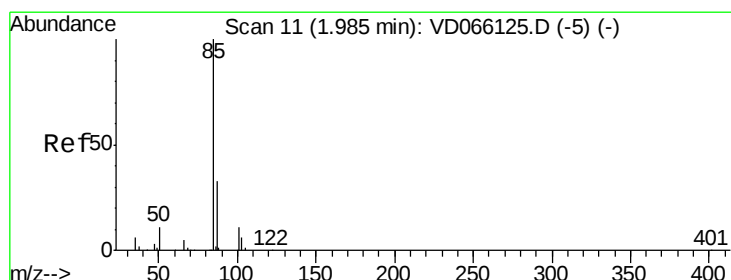
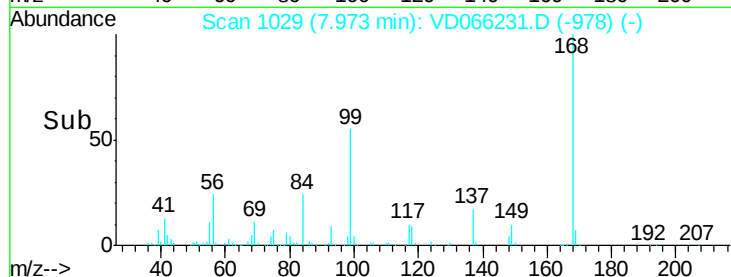
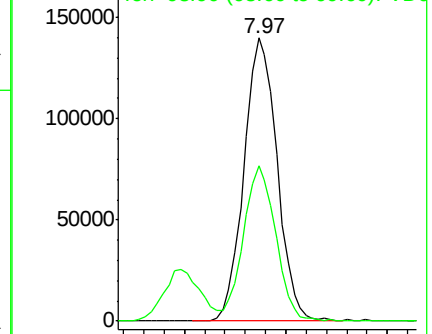
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.766 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066231.D

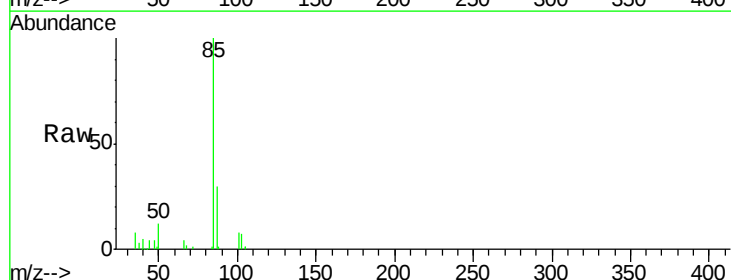
Acq: 14 Aug 2020 12:43

Tgt Ion: 85 Resp: 55353

Ion Ratio Lower Upper

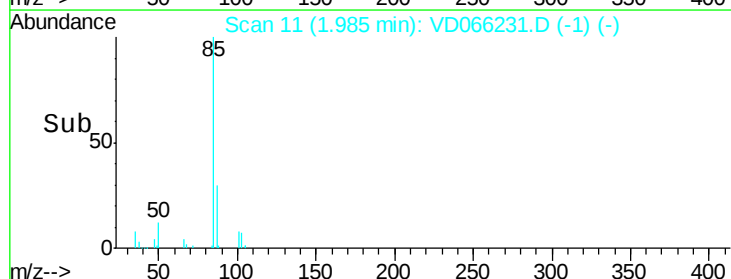
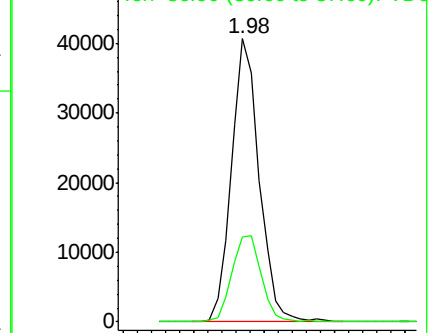
85 100

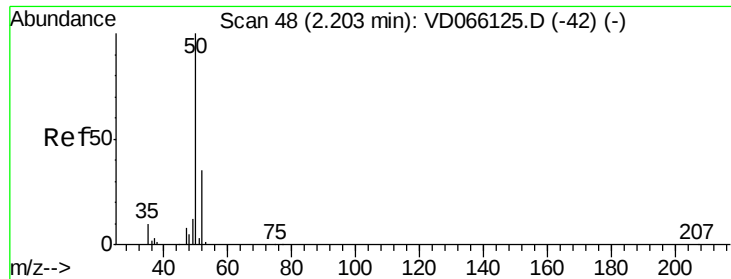
87 29.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.463 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

Tot Ion: 50 Resp: 40221

Ion Ratio Lower Upper

50 100

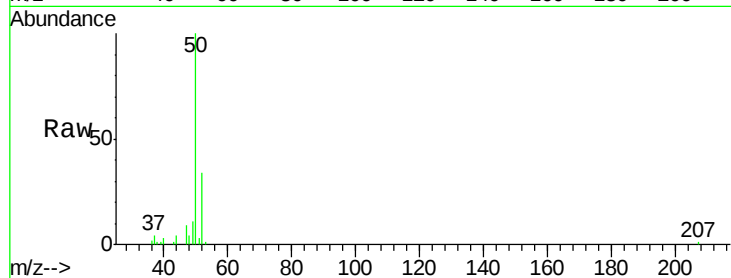
52 34.5 27.9 41.9

Manual Integrations

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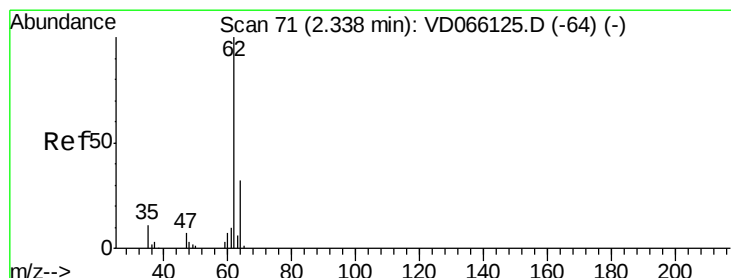
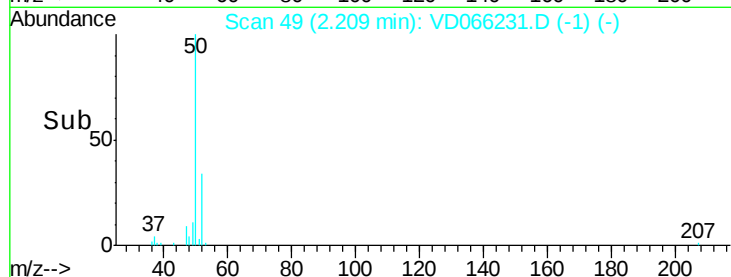
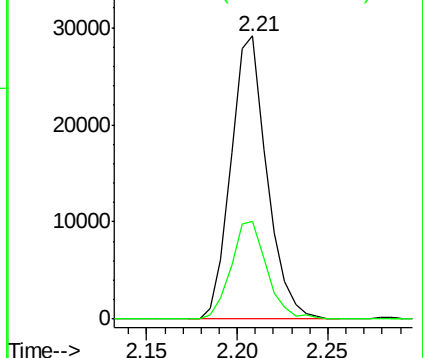
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.750 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD066231.D

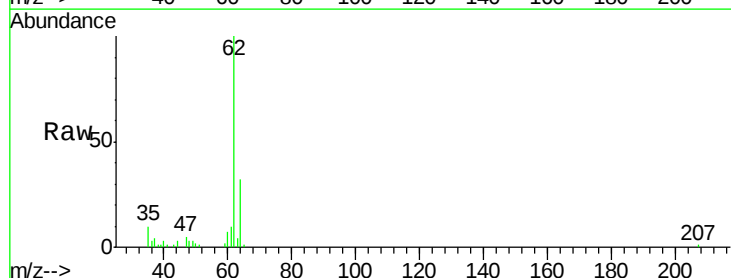
Acq: 14 Aug 2020 12:43

Tgt Ion: 62 Resp: 38090

Ion Ratio Lower Upper

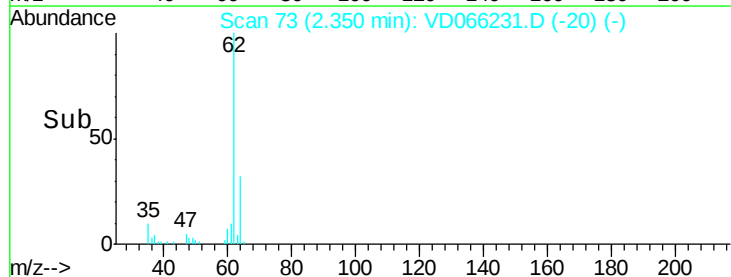
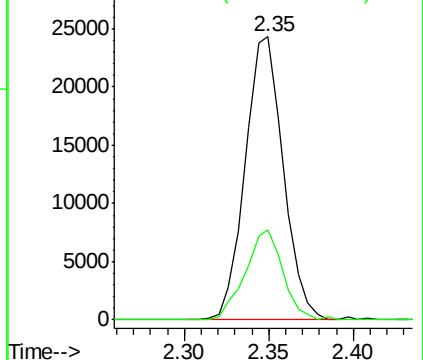
62 100

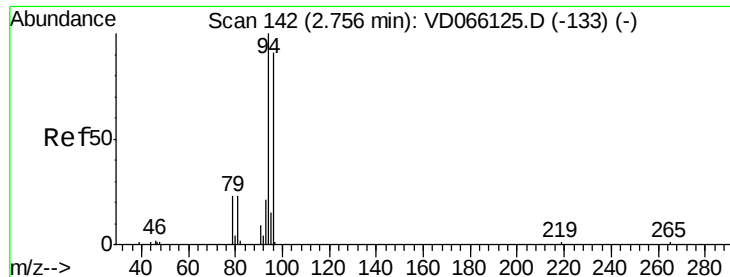
64 32.0 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.089 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 94 Resp: 25705

Ion Ratio Lower Upper

94 100

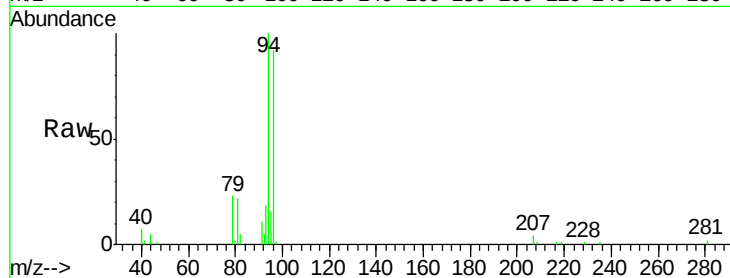
96 91.5 72.6 109.0

Manual Integrations

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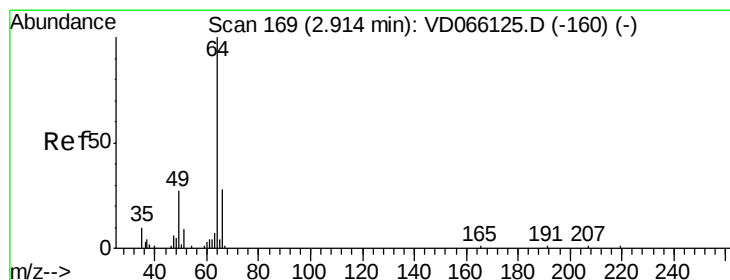
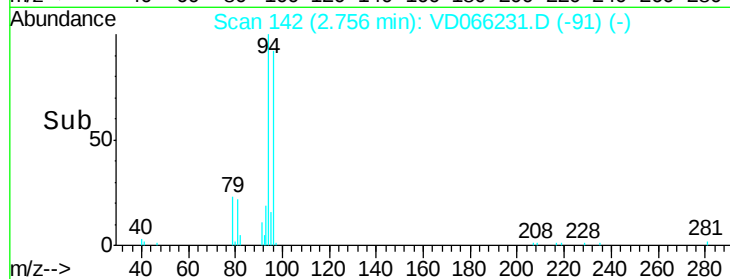
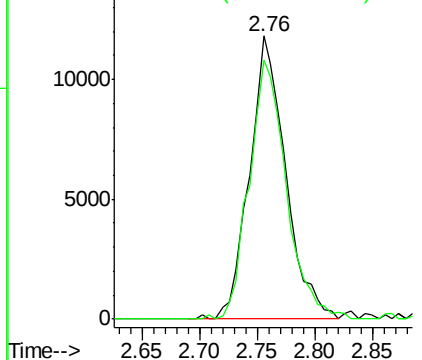
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.558 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.00 min

Lab File: VD066231.D

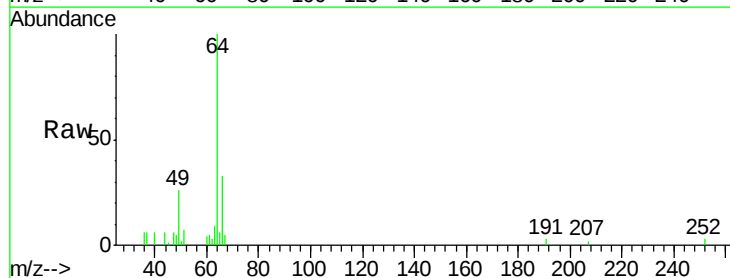
Acq: 14 Aug 2020 12:43

Tgt Ion: 64 Resp: 21971

Ion Ratio Lower Upper

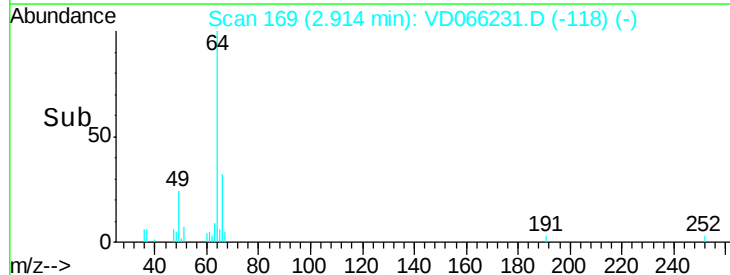
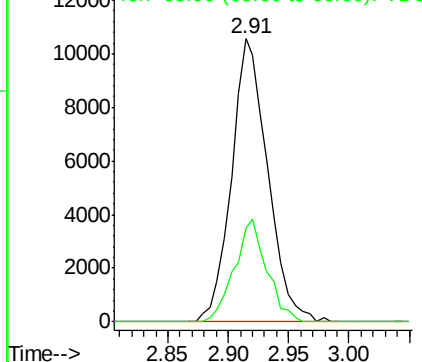
64 100

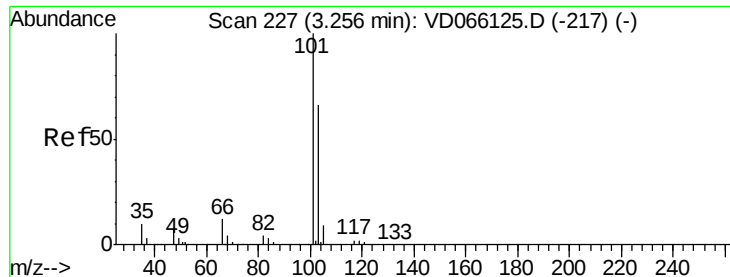
66 33.3 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

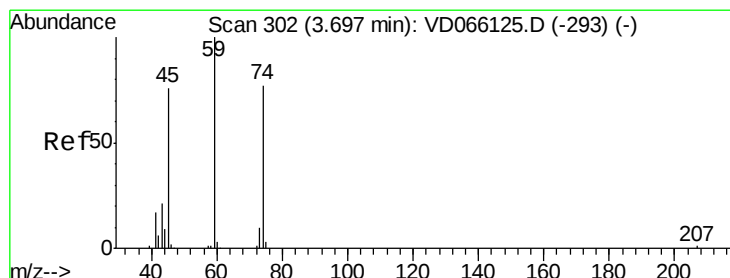
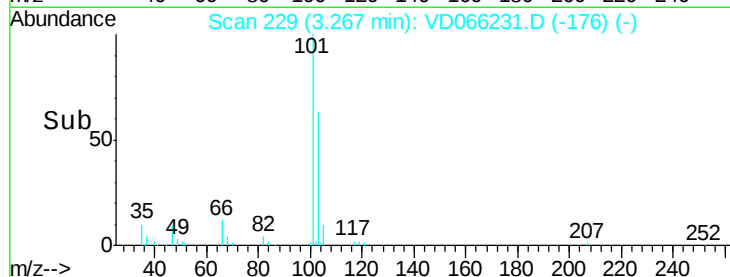
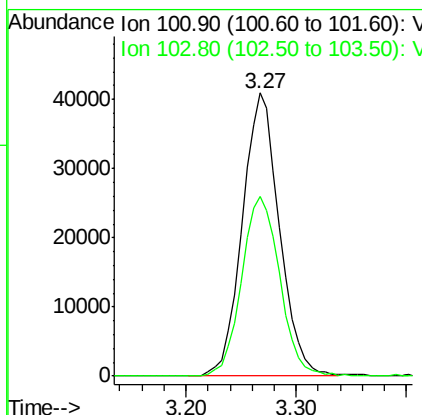
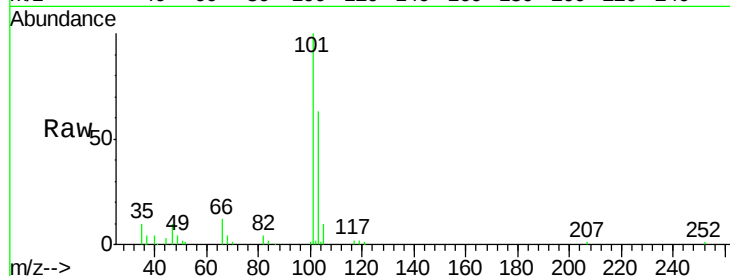
Trichlorofluoromethane
 Concen: 19.198 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	53.0	79.6

Manual Integrations
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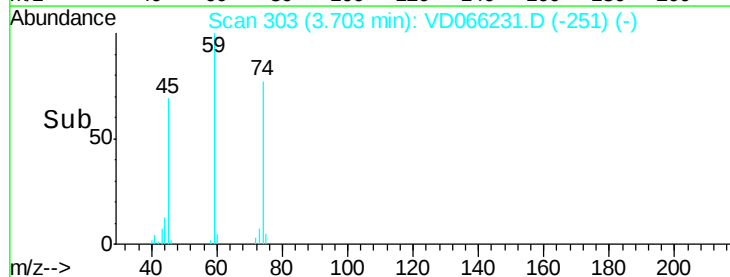
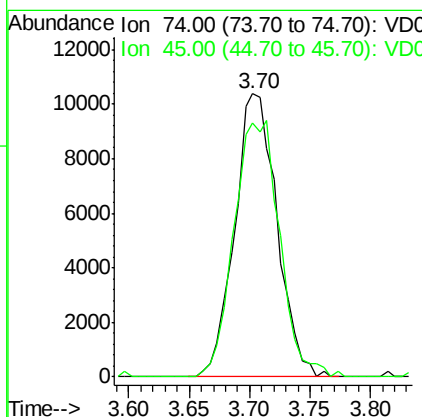
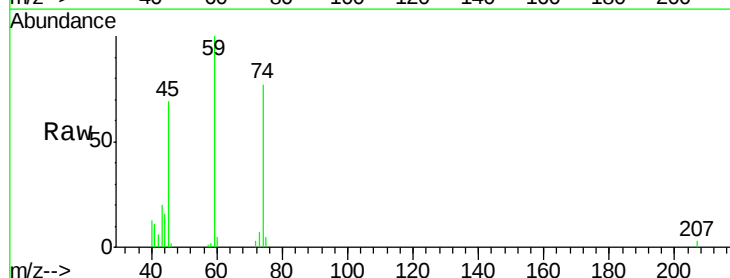
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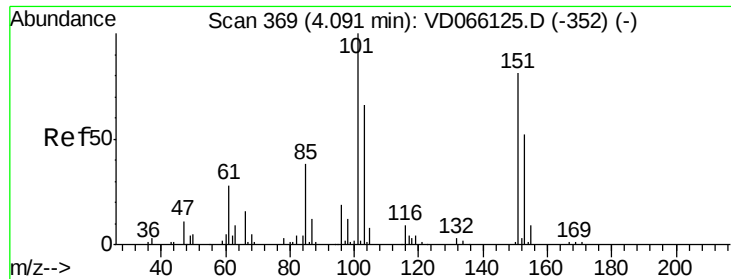


#8

Diethyl Ether
 Concen: 17.837 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. 0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.696 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

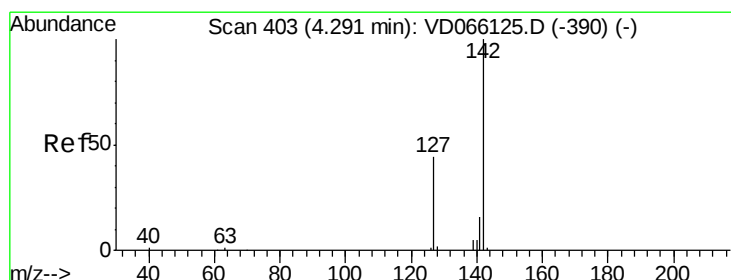
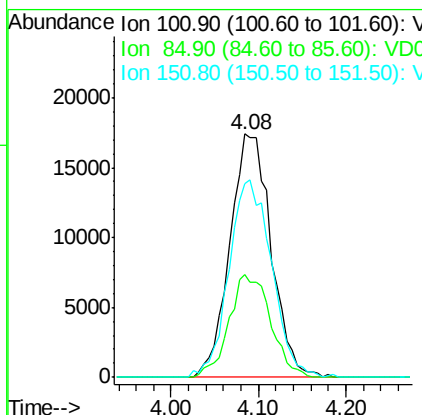
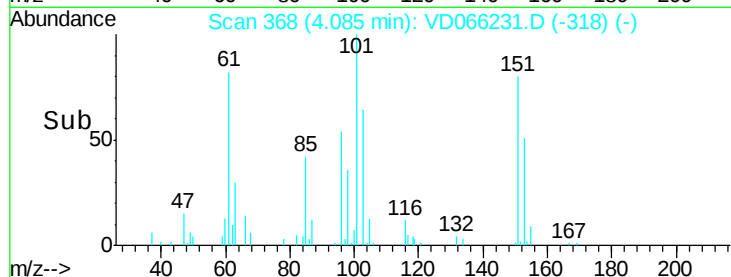
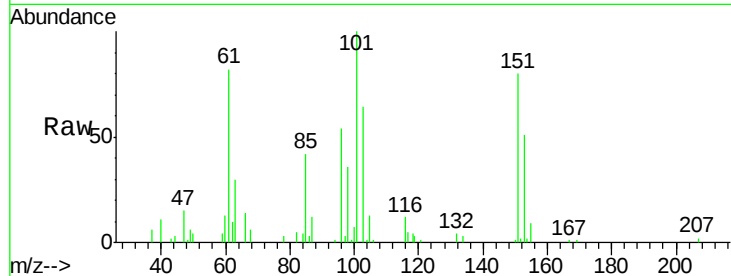
ClientSampleId :

VD0814SBSD01

Tot Ion:	101	Resp:	55789
Ion Ratio	Lower	Upper	
101	100		
85	42.5	33.5	50.3
151	84.0	67.8	101.8

Manual Integrations
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#10

Methyl Iodide

Concen: 22.994 ug/l

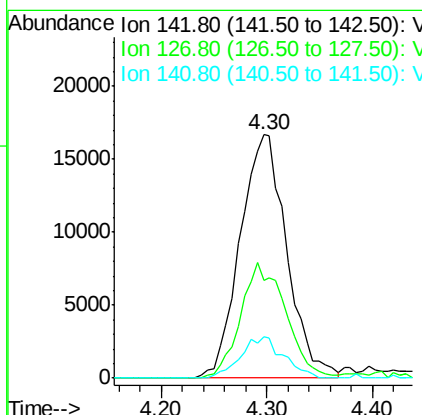
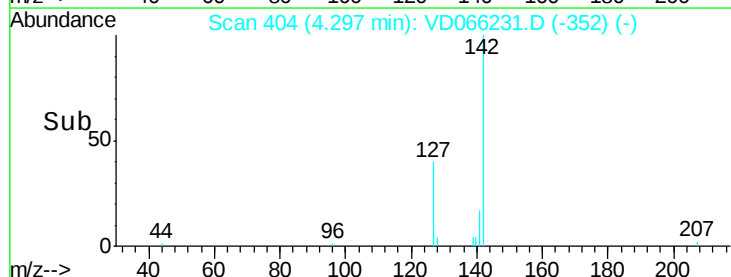
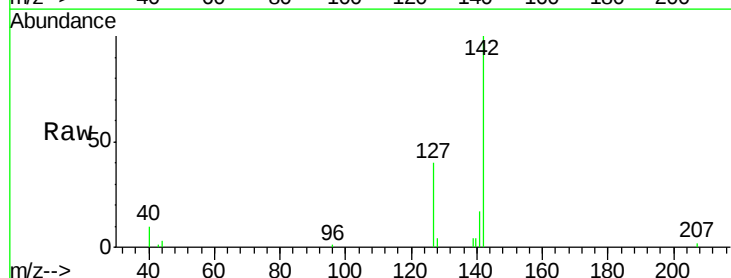
RT: 4.30 min Scan# 404

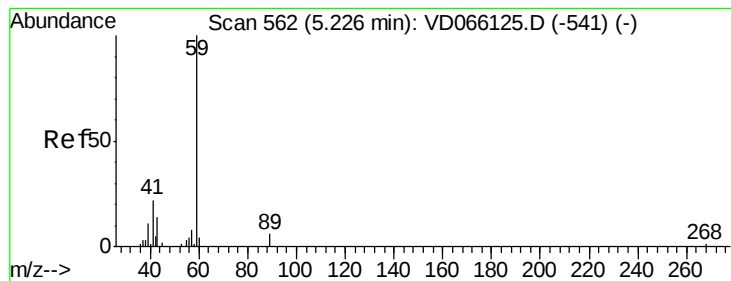
Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Tgt Ion:	142	Resp:	51095
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.2	54.4
141	15.6	12.6	18.8





#11

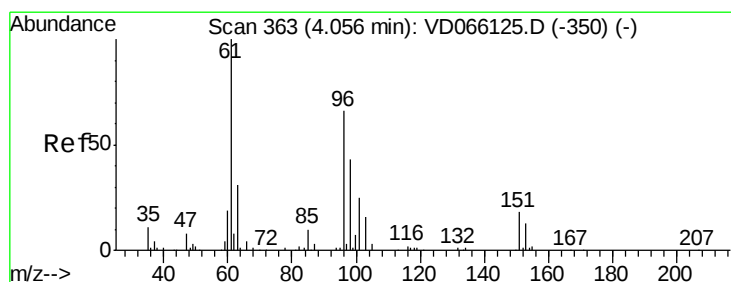
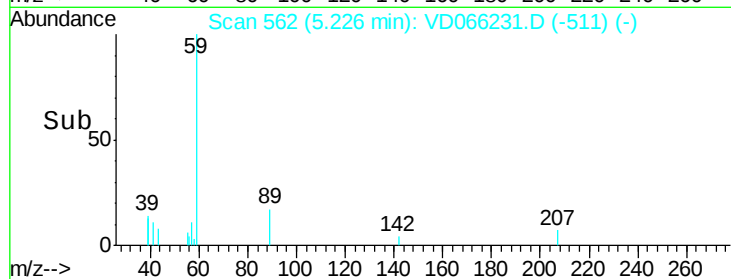
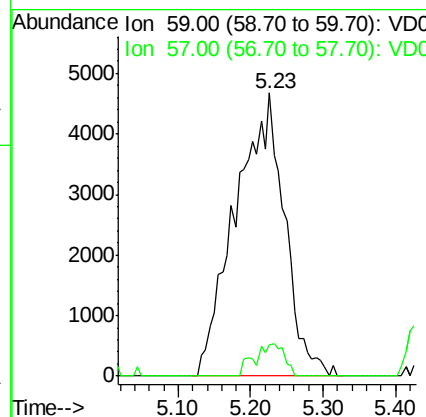
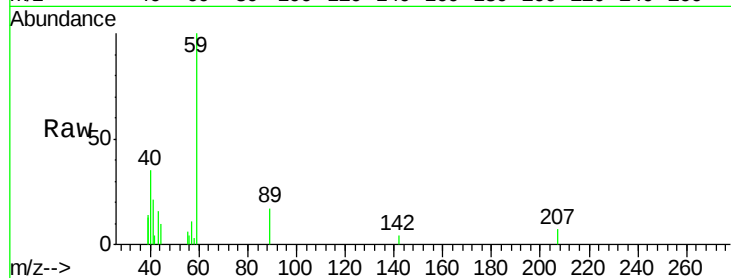
Tert butyl alcohol
Concen: 77.237 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.0	7.0	10.4

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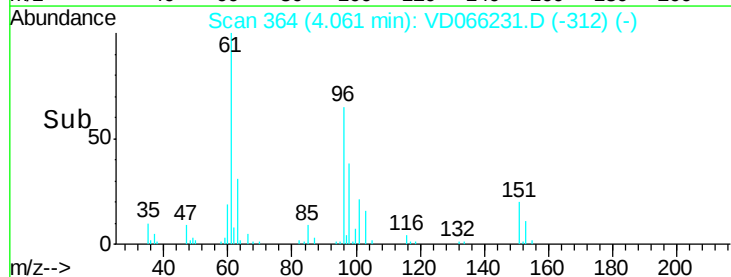
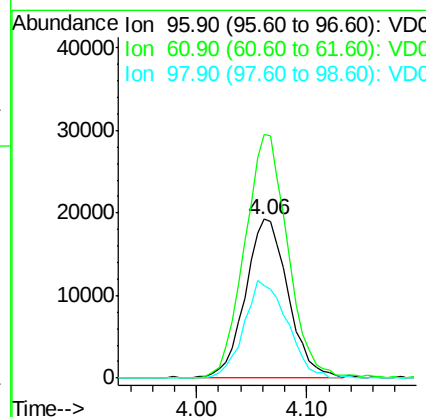
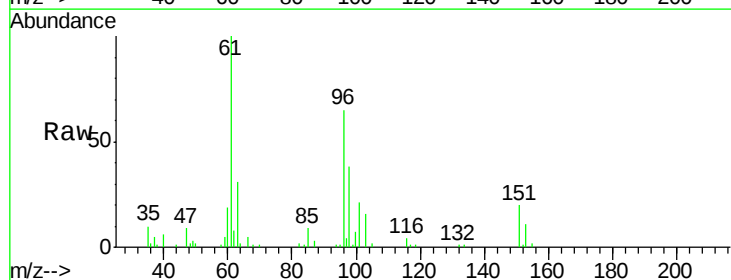
MMDadoda
8/17/2020 5:45:57 PM

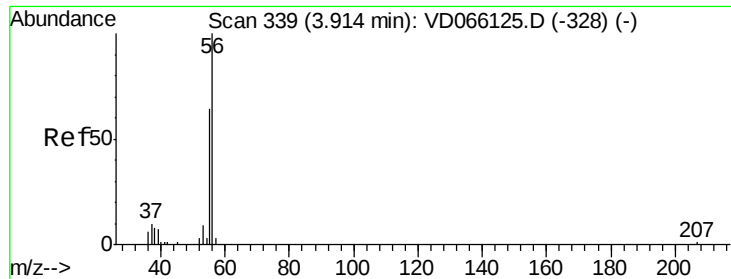


#12

1,1-Dichloroethene
Concen: 18.566 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.5	121.6	182.4
98	58.6	52.0	78.0





#13

Acrolein

Concen: 63.024 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 56 Resp: 14226

Ion Ratio Lower Upper

56 100

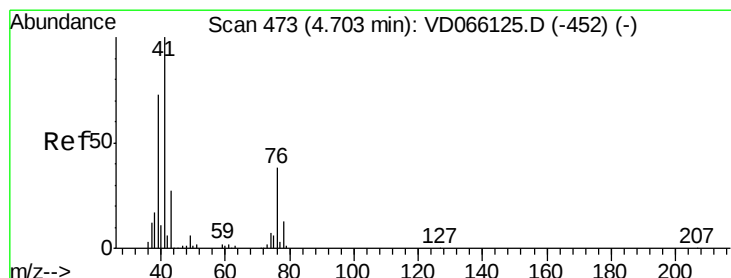
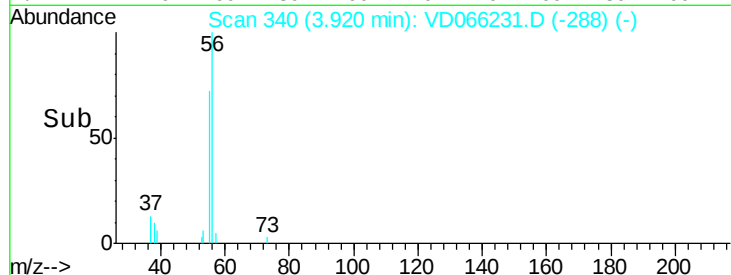
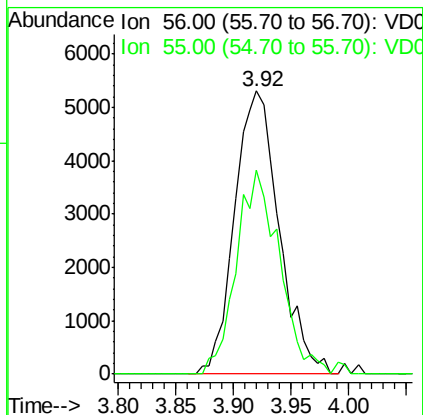
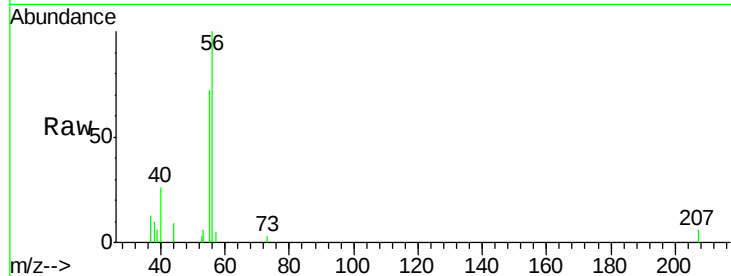
55 69.6 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.355 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

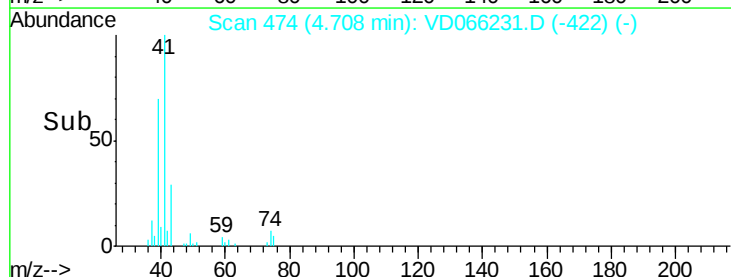
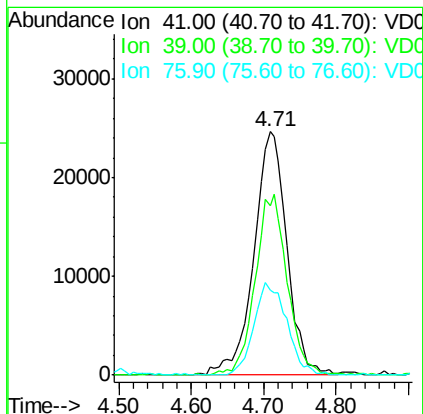
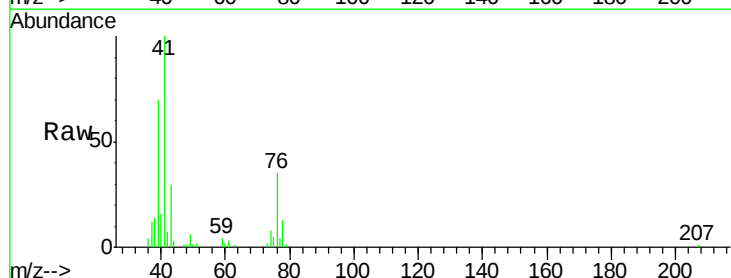
Tgt Ion: 41 Resp: 78279

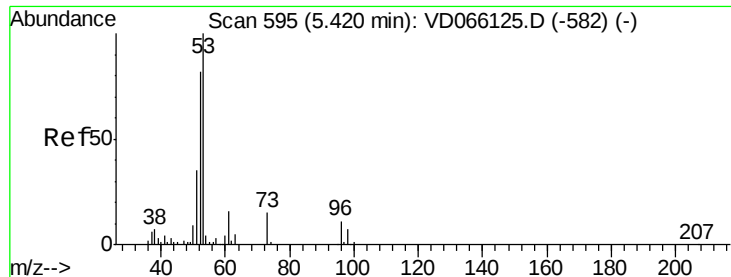
Ion Ratio Lower Upper

41 100

39 71.8 57.4 86.0

76 37.9 30.1 45.1





#15

Acrylonitrile

Concen: 86.543 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

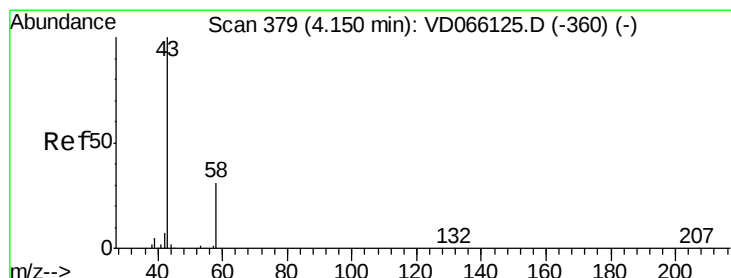
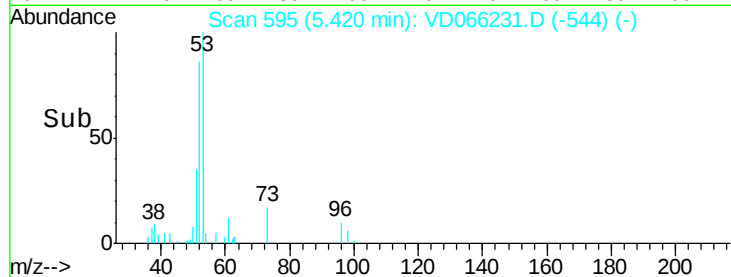
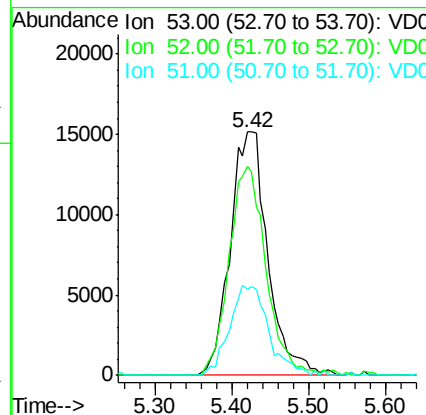
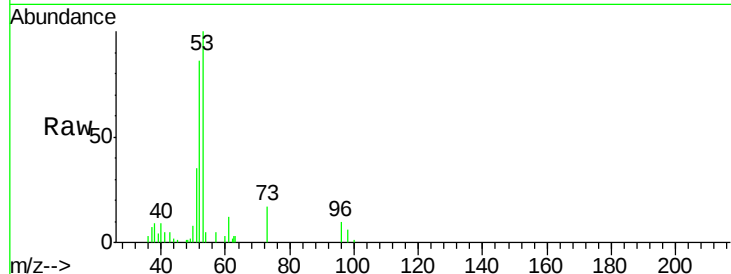
ClientSampleId :

VD0814SBSD01

Tot Ion:	53	Resp:	51740
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.1	99.1
51	38.0	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 84.379 ug/l

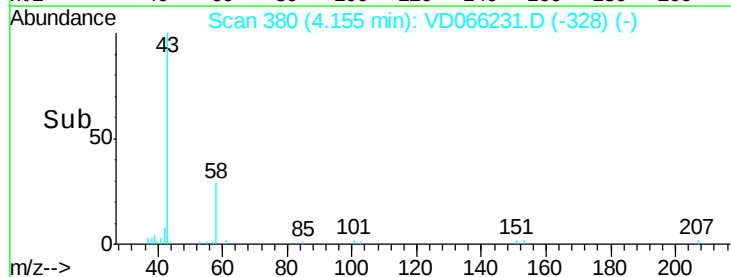
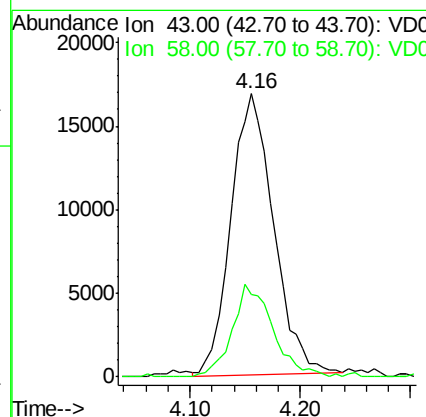
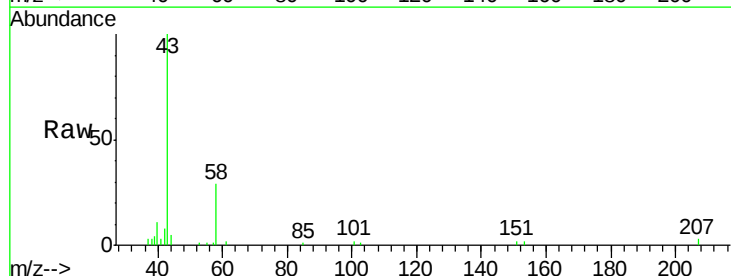
RT: 4.16 min Scan# 380

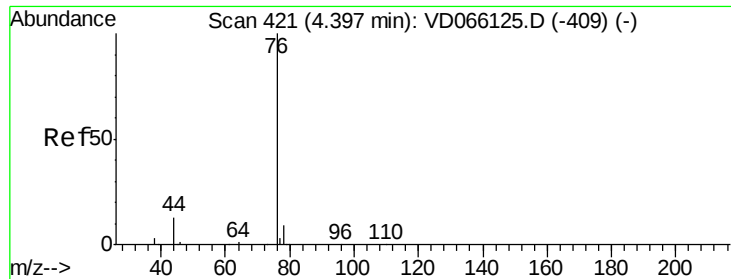
Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Tgt Ion:	43	Resp:	45402
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.7	37.1





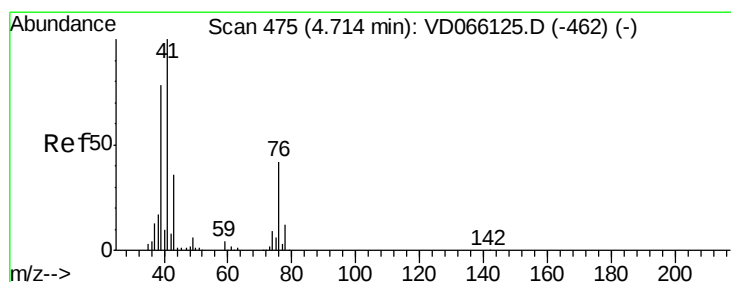
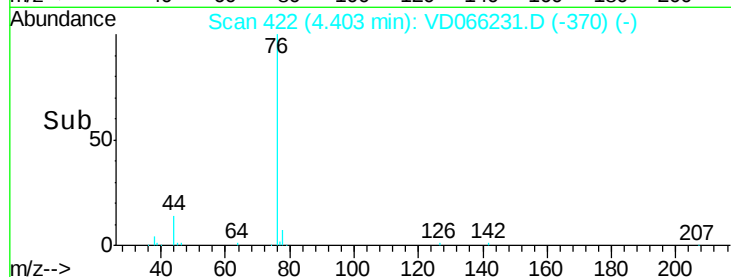
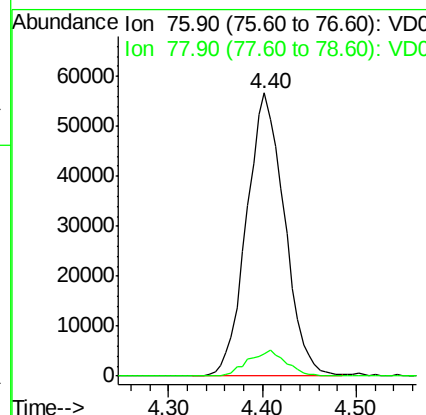
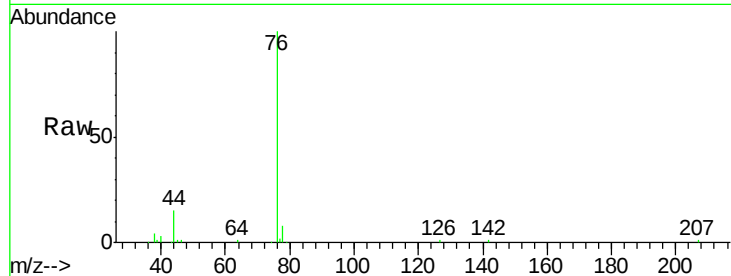
#17
Carbon Disulfide
Concen: 17.685 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.0	7.5	11.3

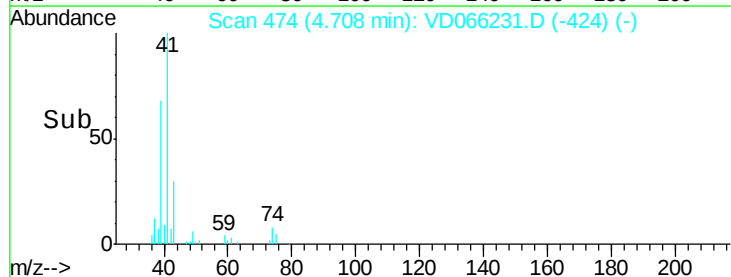
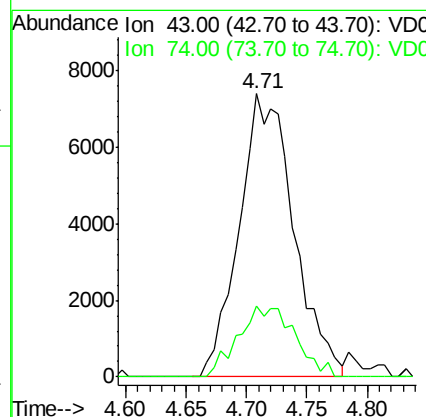
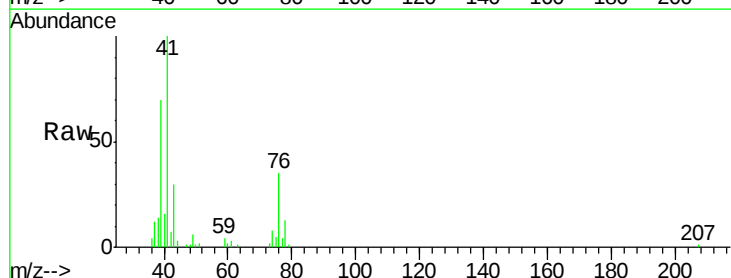
Manual Integrations
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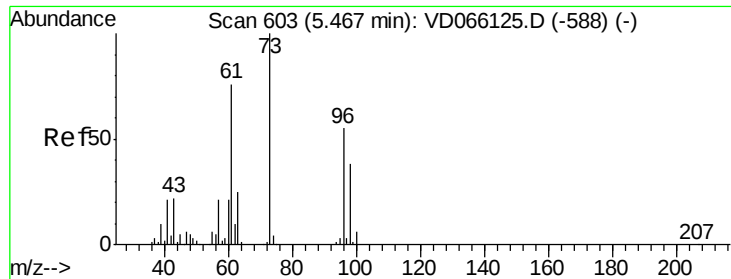
MMDadoda
8/17/2020 5:45:57 PM



#18
Methyl Acetate
Concen: 16.971 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	26.0	21.2	31.8





#19

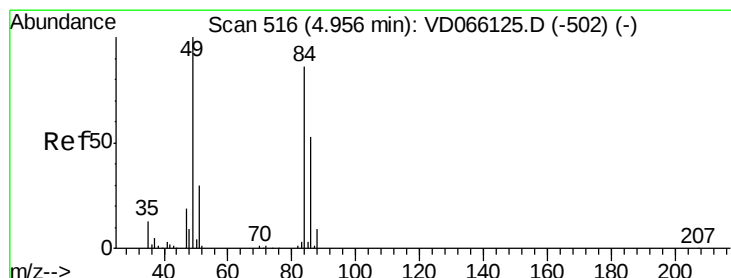
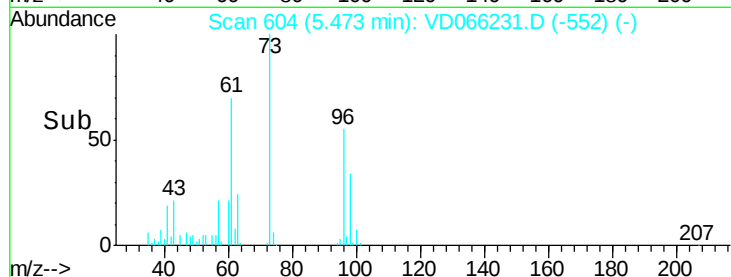
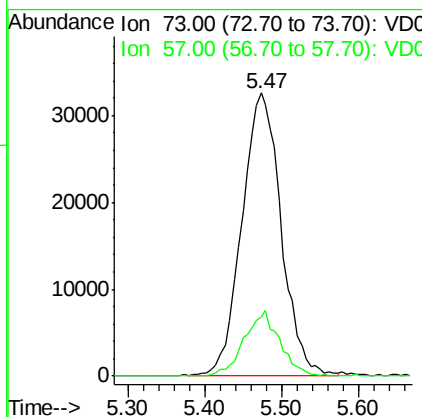
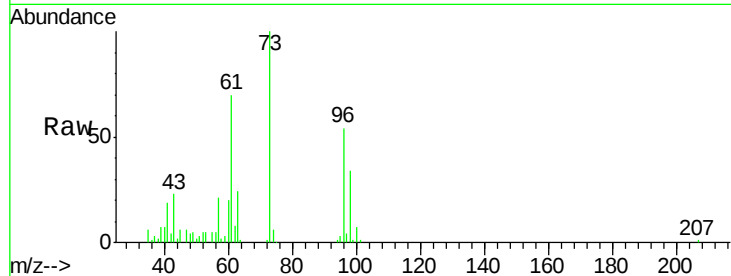
Methyl tert-butyl Ether
 Concen: 18.046 ug/l
 RT: 5.47 min Scan# 604
 Delta R.T. 0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0814SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.0	17.1	25.7

Manual Integrations
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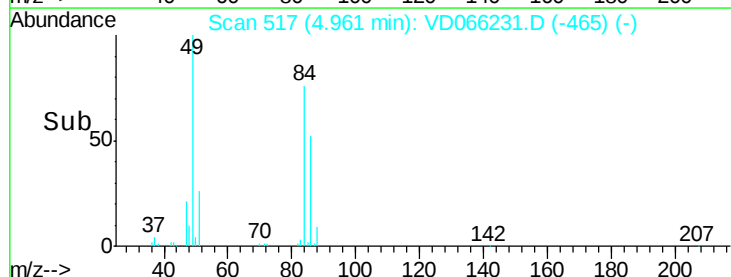
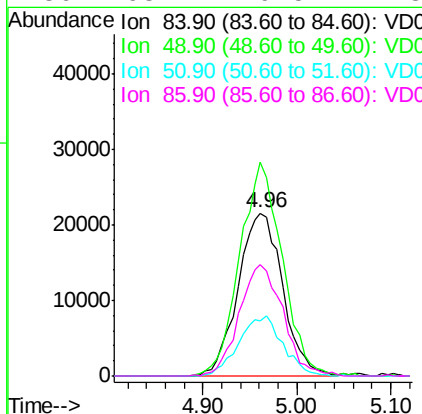
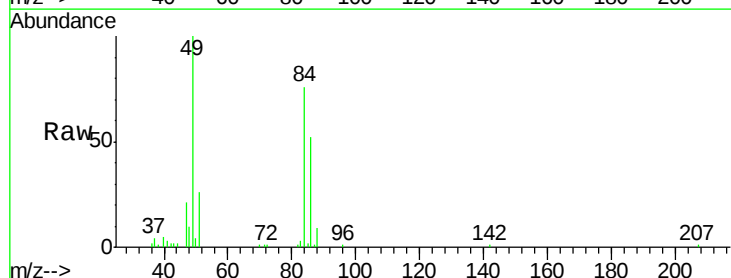
MMDadoda
 8/17/2020 5:45:57 PM

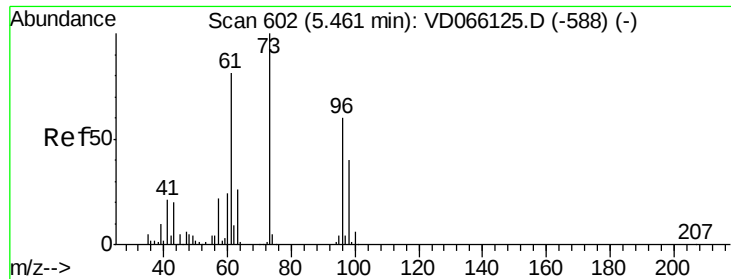


#20

Methylene Chloride
 Concen: 20.103 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.1	93.5	140.3
51	33.5	28.2	42.4
86	68.2	49.5	74.3





#21

trans-1,2-Dichloroethene

Concen: 18.720 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

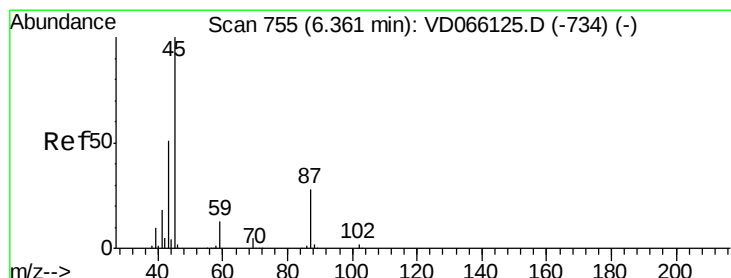
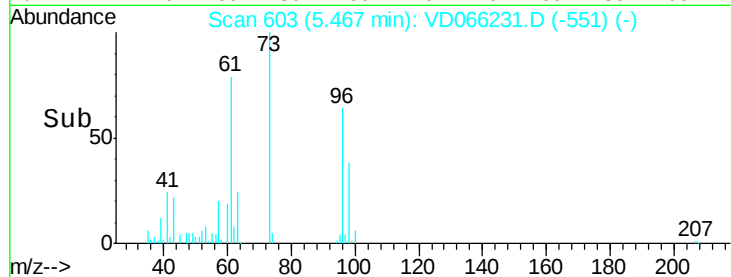
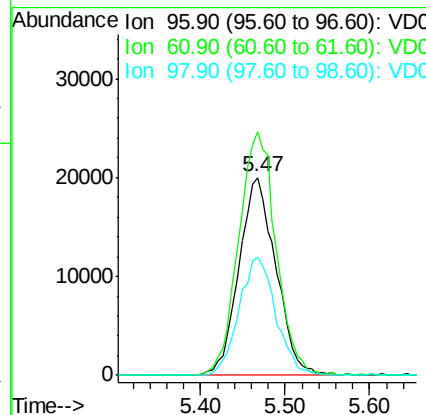
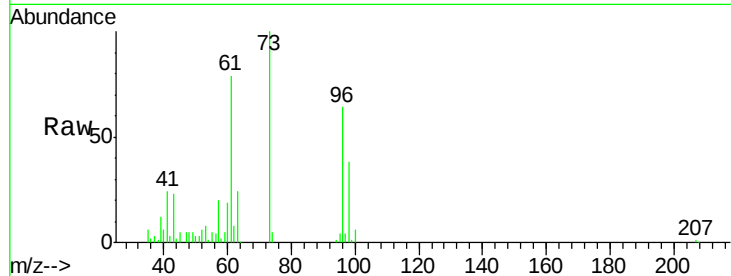
ClientSampleId :

VD0814SBS01

Tot Ion:	96	Resp:	60536
Ion	Ratio	Lower	Upper
96	100		
61	123.3	106.9	160.3
98	59.9	53.4	80.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 17.992 ug/l

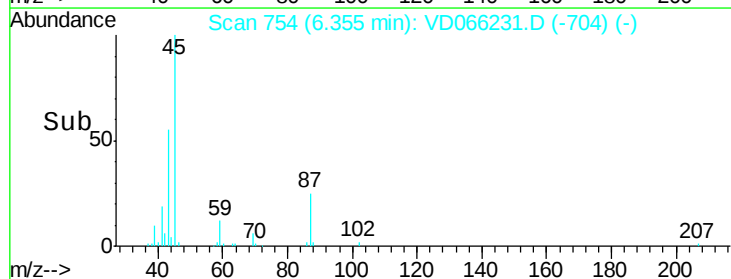
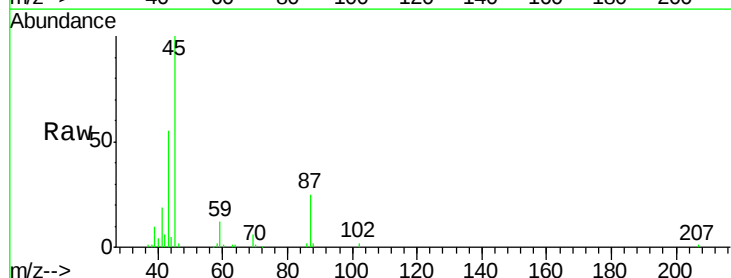
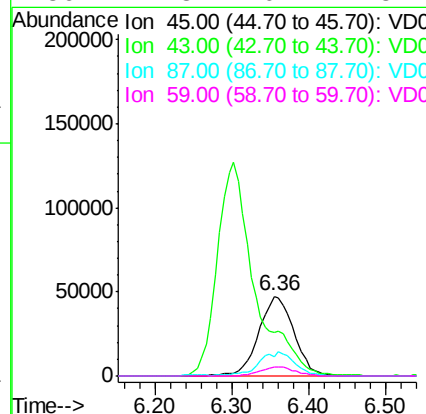
RT: 6.36 min Scan# 754

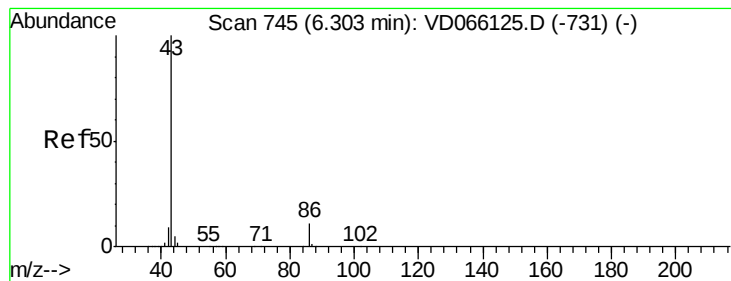
Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Tgt Ion:	45	Resp:	151731
Ion	Ratio	Lower	Upper
45	100		
43	53.2	41.2	61.8
87	24.6	22.8	34.2
59	11.8	10.2	15.2





#23

Vinyl Acetate

Concen: 86.904 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 43 Resp: 429363

Ion Ratio Lower Upper

43 100

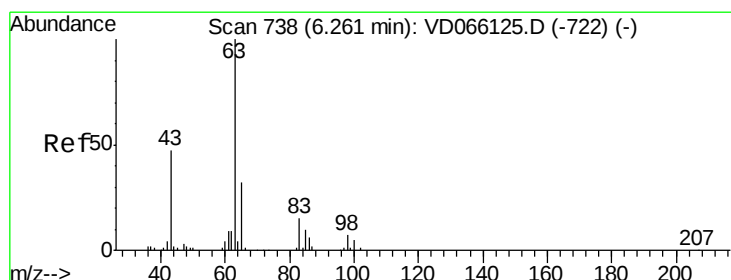
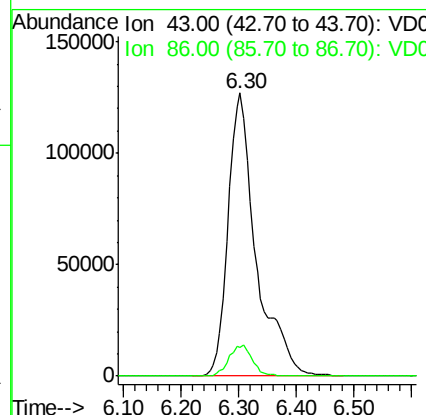
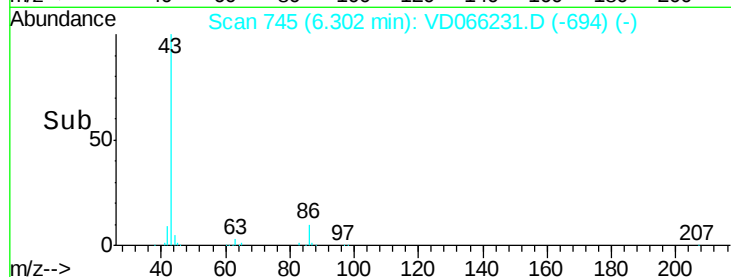
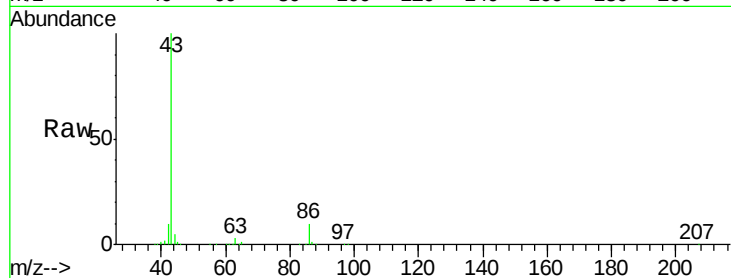
86 10.3 9.1 13.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.295 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

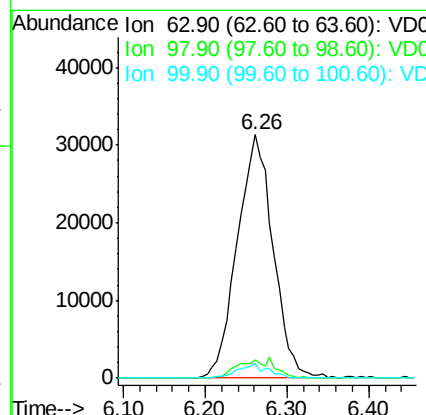
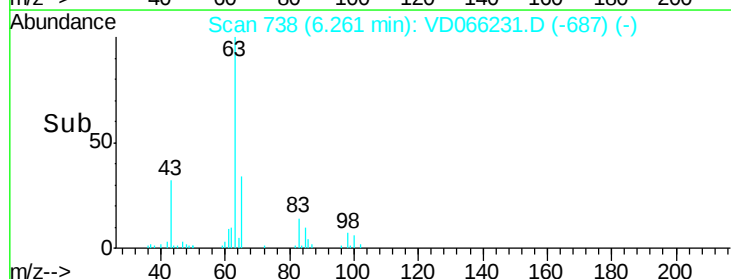
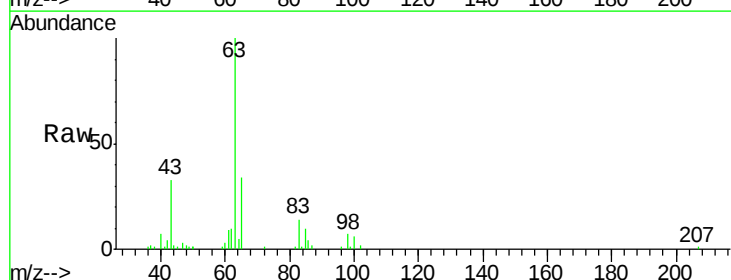
Tgt Ion: 63 Resp: 95482

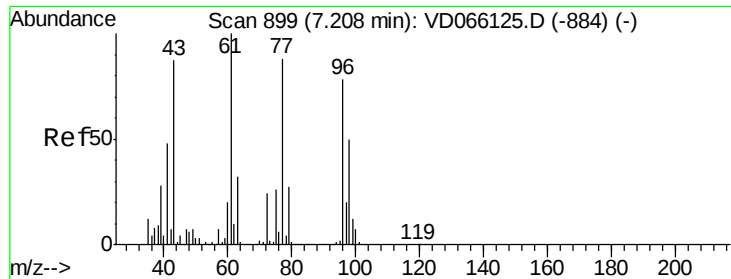
Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.5

100 5.9 2.4 7.2





#25

2-Butanone

Concen: 86.865 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 43 Resp: 68745

Ion Ratio Lower Upper

43 100

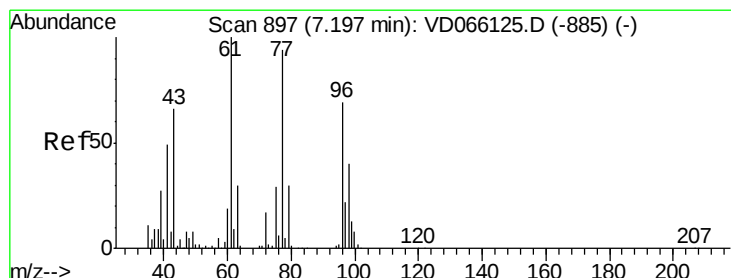
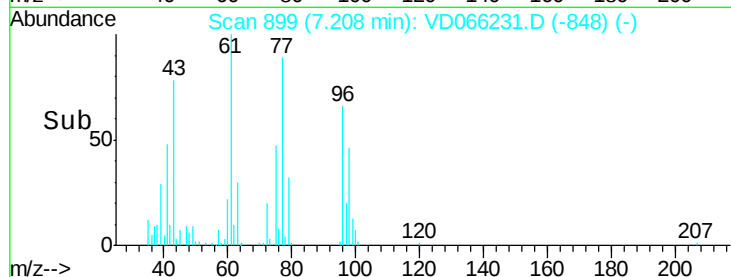
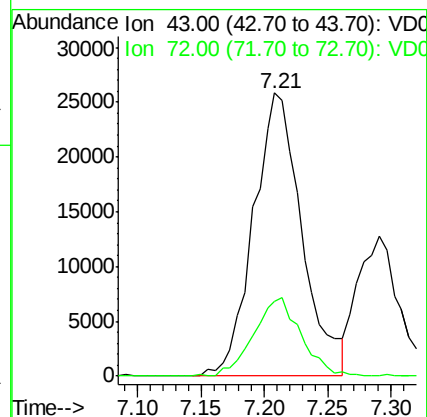
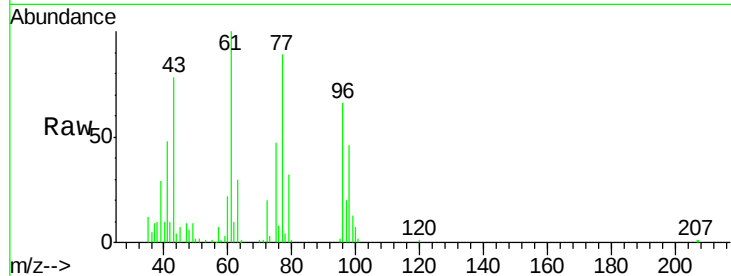
72 26.3 22.2 33.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.530 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066231.D

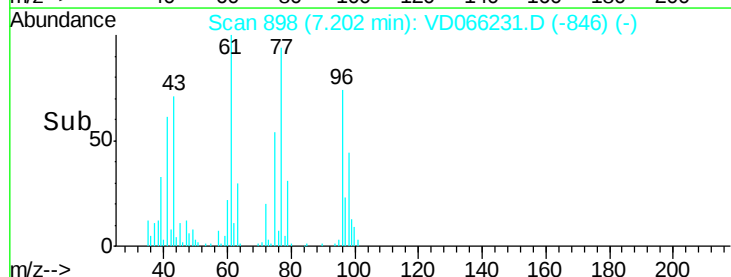
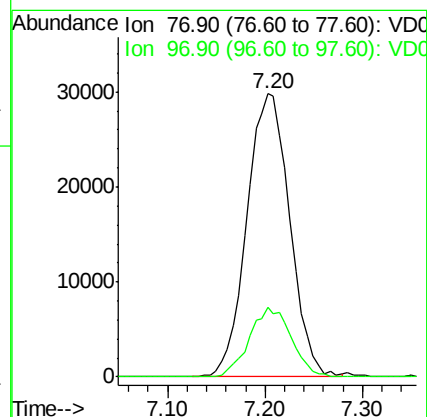
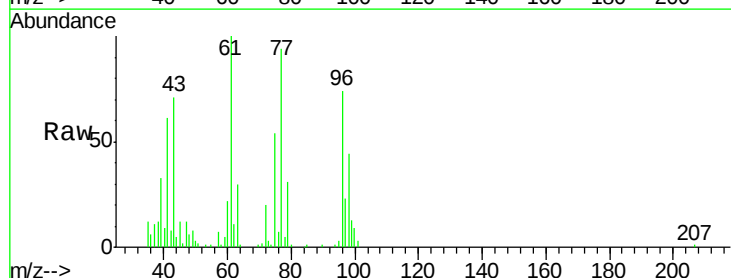
Acq: 14 Aug 2020 12:43

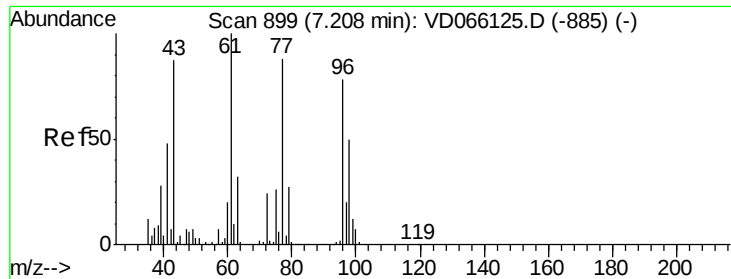
Tgt Ion: 77 Resp: 91355

Ion Ratio Lower Upper

77 100

97 23.9 11.8 35.3





#27

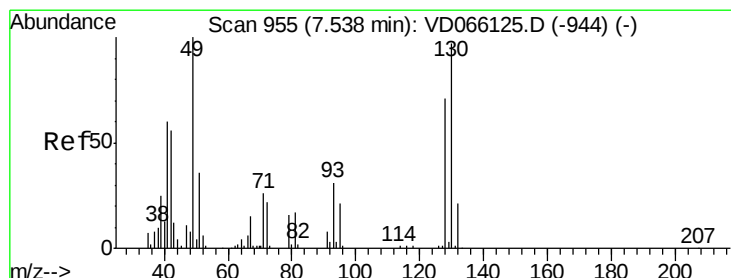
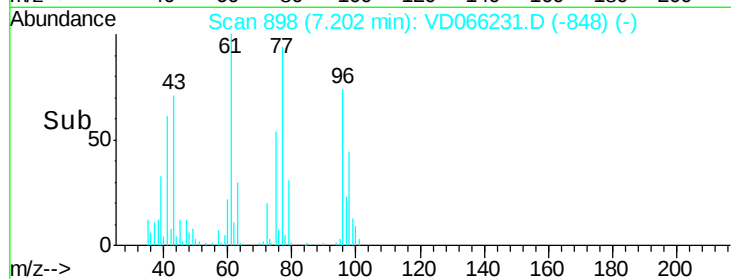
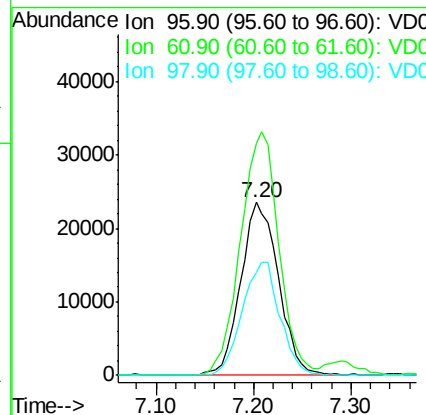
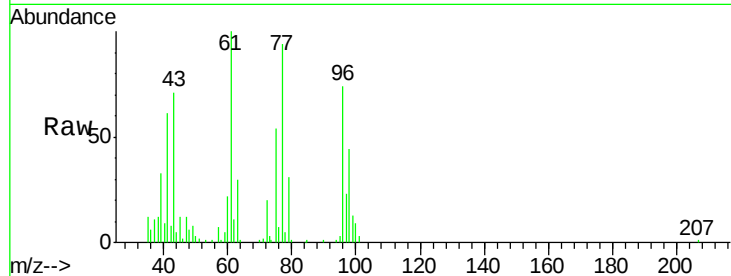
cis-1,2-Dichloroethene
Concen: 18.813 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	0.0	281.6
98	65.1	0.0	130.8

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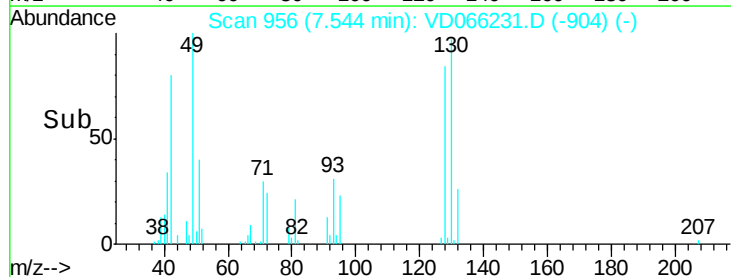
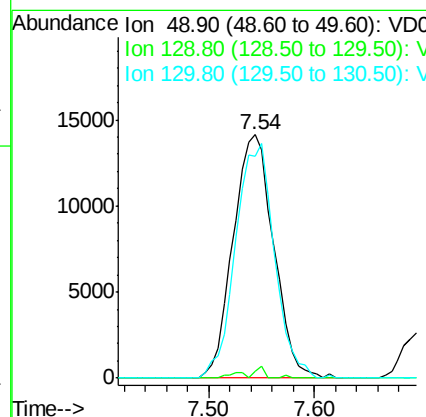
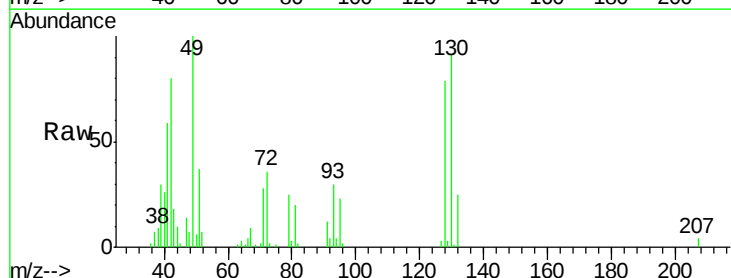
MMDadoda
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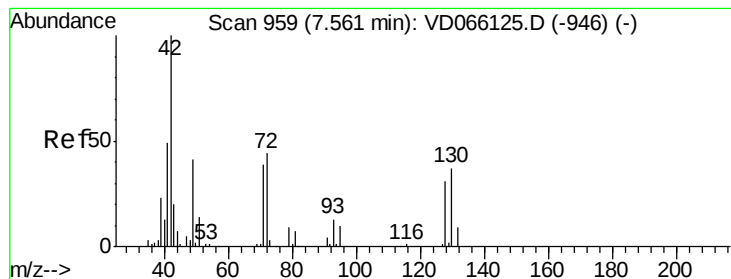


#28

Bromochloromethane
Concen: 20.504 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	6.0
130	92.3	73.8	110.6





#29

Tetrahydrofuran

Concen: 87.036 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 42 Resp: 42676

Ion Ratio Lower Upper

42 100

72 39.1 34.8 52.2

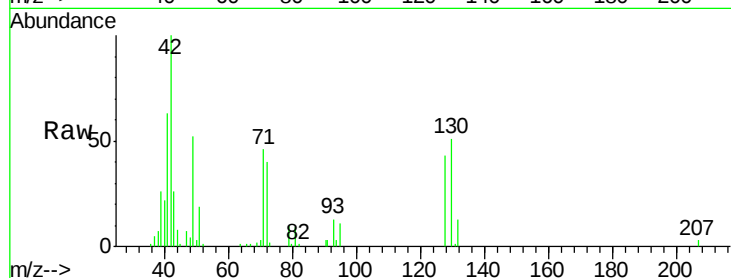
71 42.0 33.5 50.3

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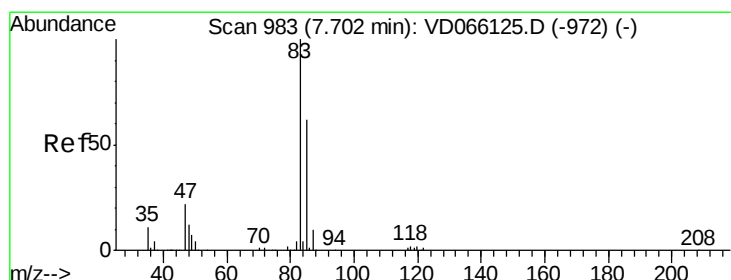
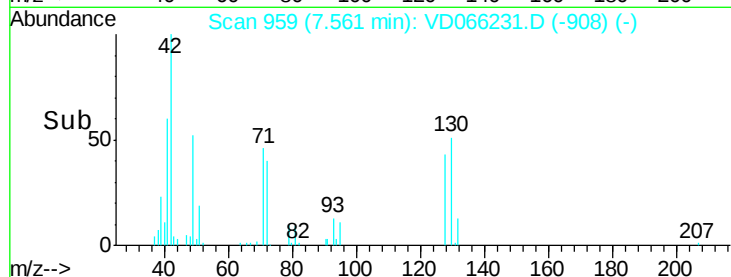
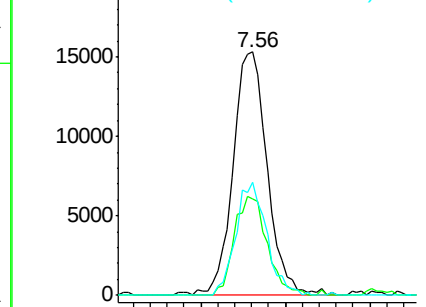
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Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 18.754 ug/l

RT: 7.71 min Scan# 984

Delta R.T. 0.01 min

Lab File: VD066231.D

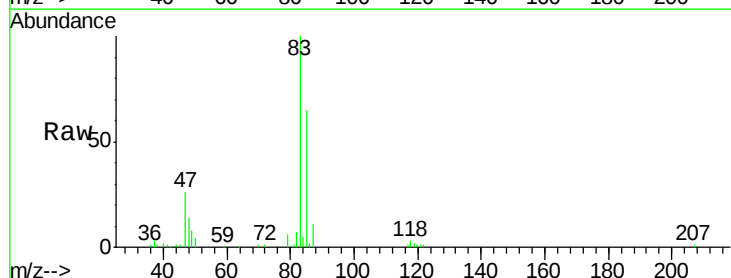
Acq: 14 Aug 2020 12:43

Tgt Ion: 83 Resp: 102780

Ion Ratio Lower Upper

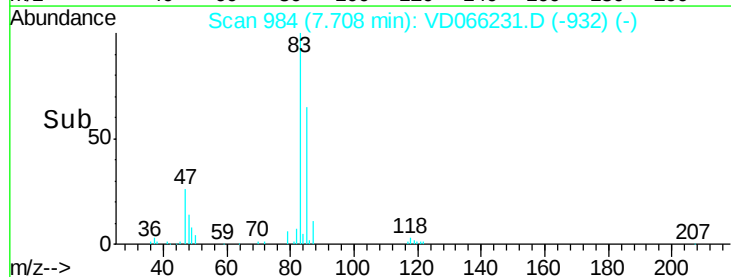
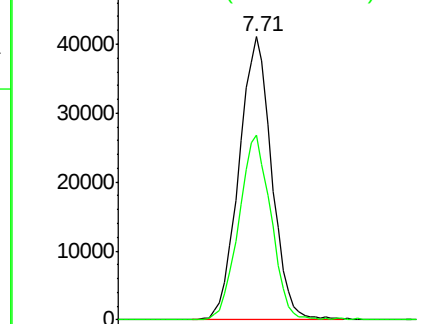
83 100

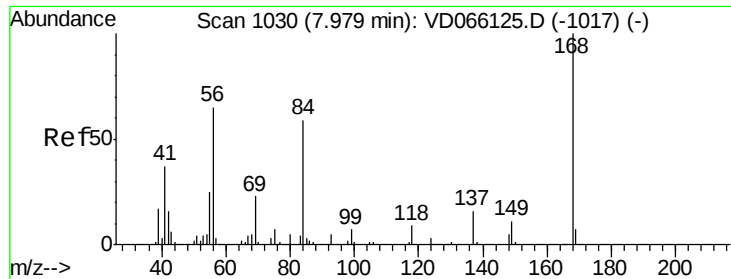
85 65.2 49.5 74.3



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





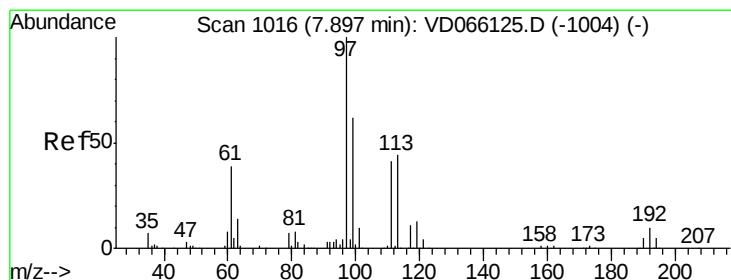
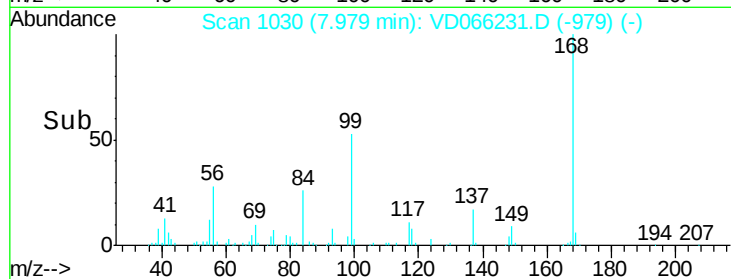
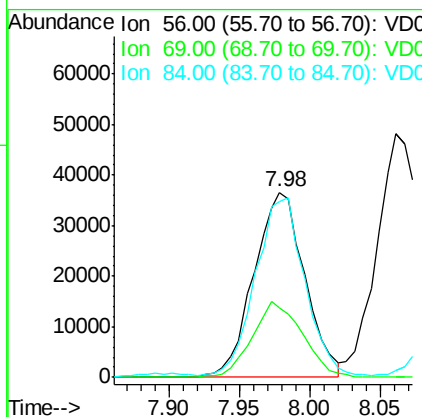
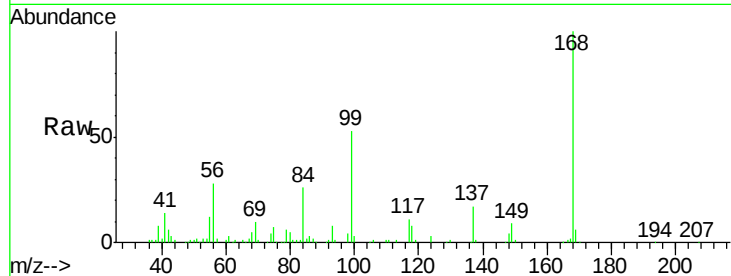
#31
Cyclohexane
Concen: 18.511 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion	56	Resp	91966
Ion Ratio	100	Lower	Upper
56	100		
69	37.5	28.8	43.2
84	93.6	73.0	109.6

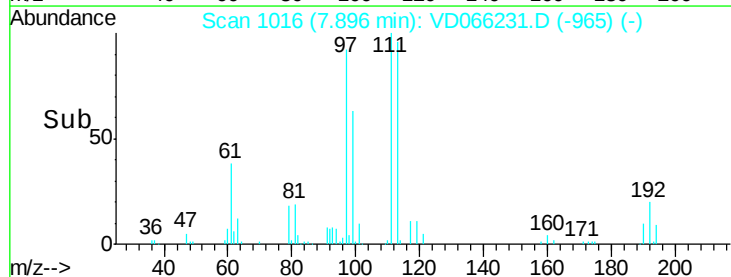
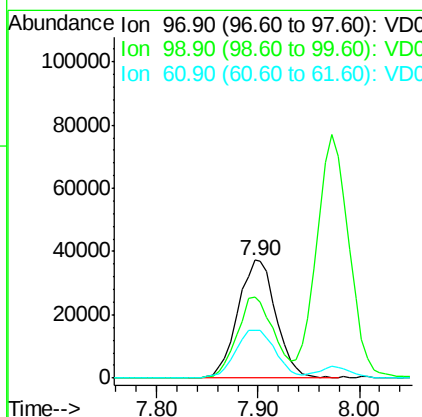
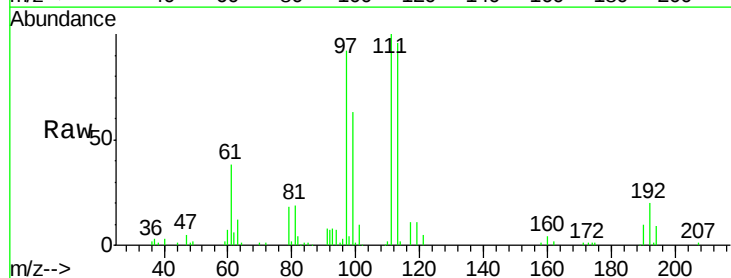
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#32
1,1,1-Trichloroethane
Concen: 18.928 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	97	Resp	97260
Ion Ratio	100	Lower	Upper
97	100		
99	66.2	51.1	76.7
61	42.8	32.7	49.1





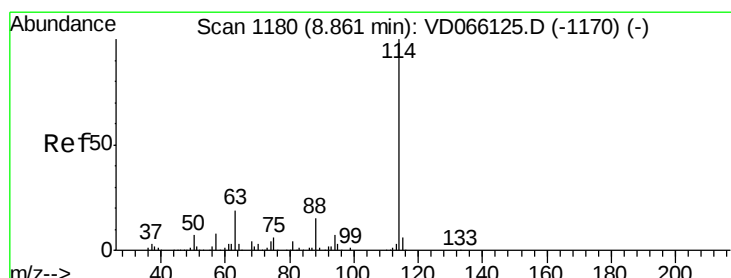
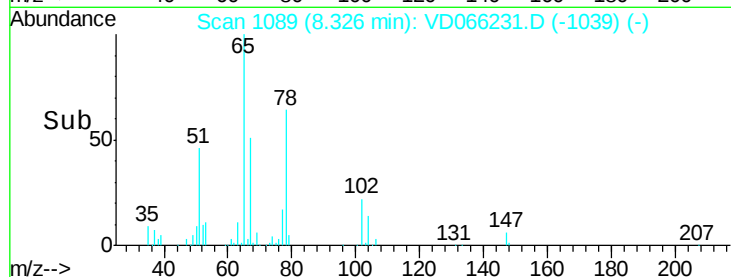
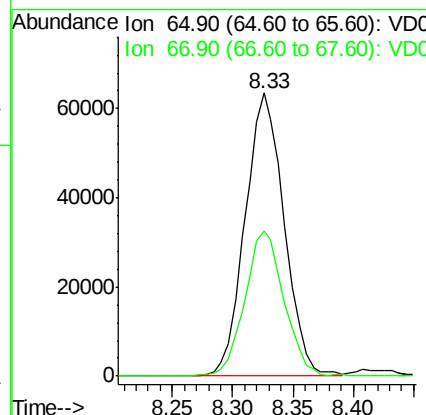
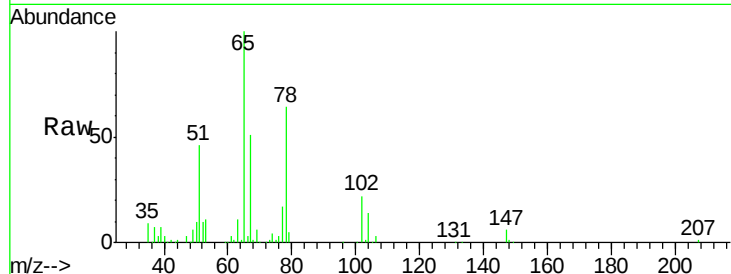
#33
 1,2-Dichloroethane-d4
 Concen: 50.320 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	142697		
67	51.5	0.0	104.6	

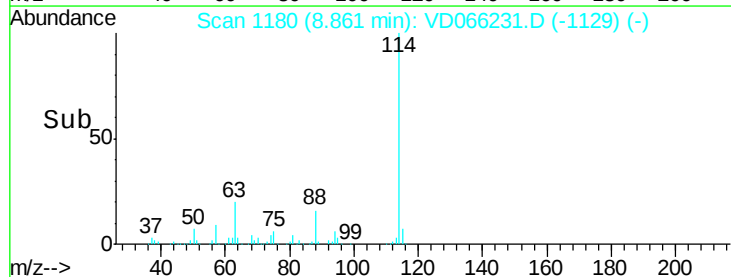
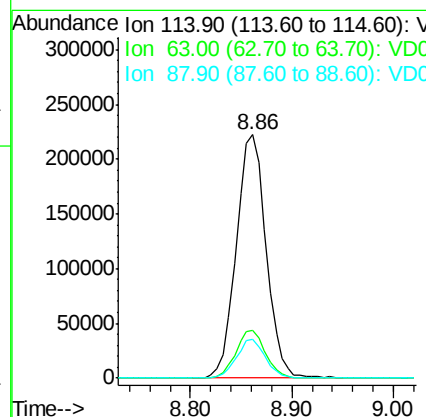
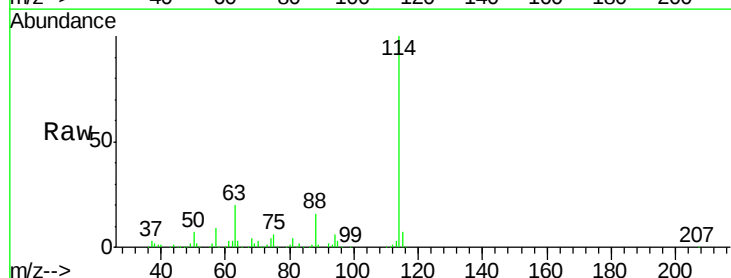
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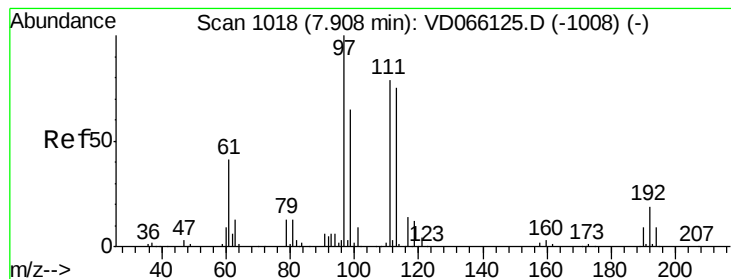
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	454537		
63	19.5	0.0	38.6	
88	16.1	0.0	30.0	





#35

Dibromofluoromethane

Concen: 50.866 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

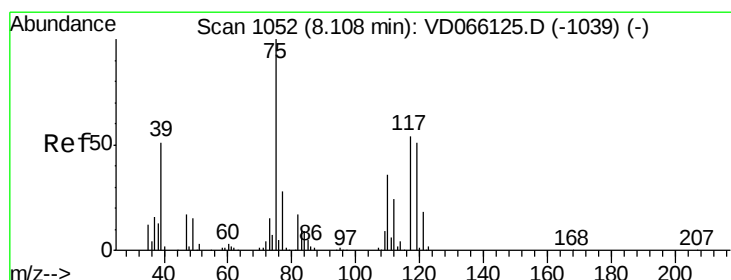
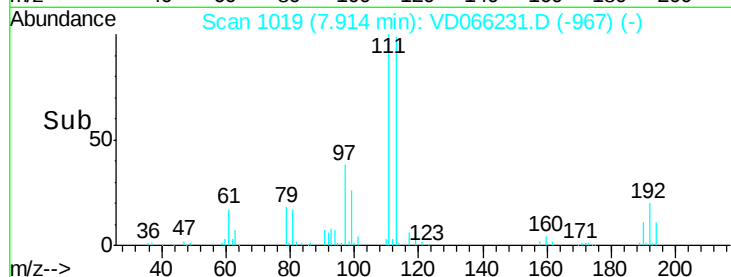
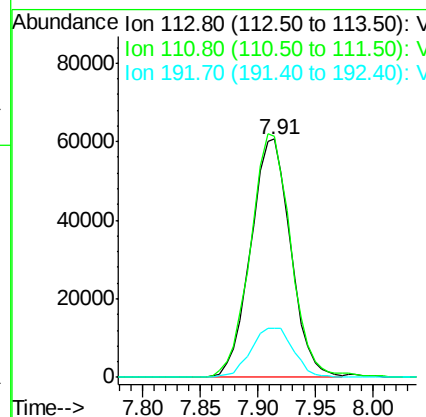
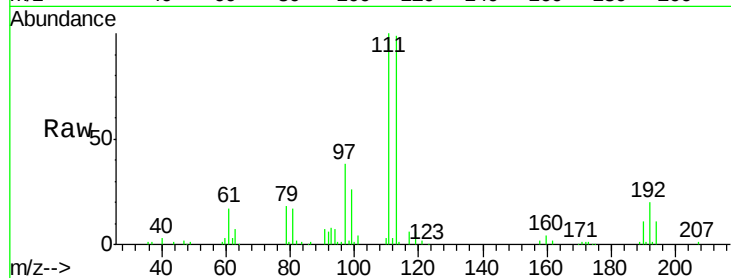
ClientSampleId :

VD0814SBSD01

Tot Ion:	113	Resp:	146466
Ion	Ratio	Lower	Upper
113	100		
111	103.7	80.7	121.1
192	22.1	18.4	27.6

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#36

1,1-Dichloropropene

Concen: 18.432 ug/l

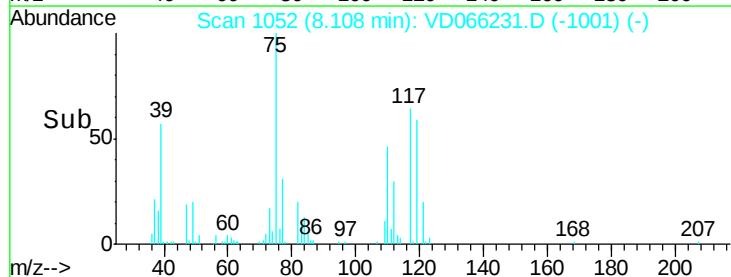
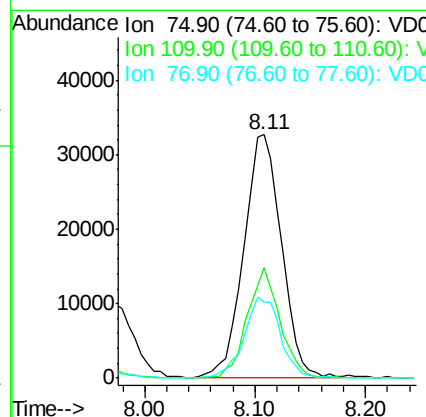
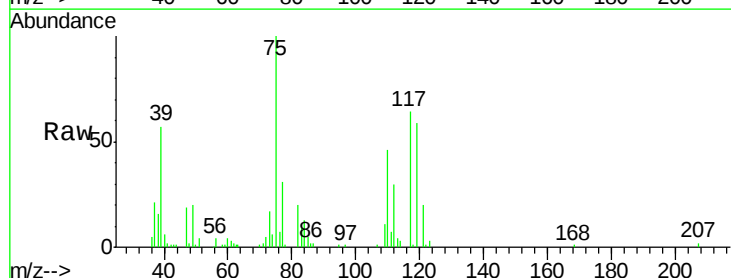
RT: 8.11 min Scan# 1052

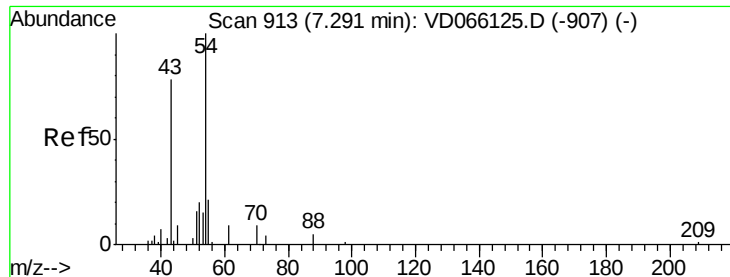
Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Tgt Ion:	75	Resp:	78728
Ion	Ratio	Lower	Upper
75	100		
110	39.0	18.8	56.3
77	32.0	24.2	36.2





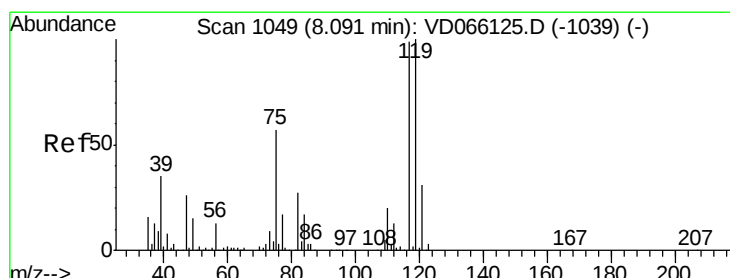
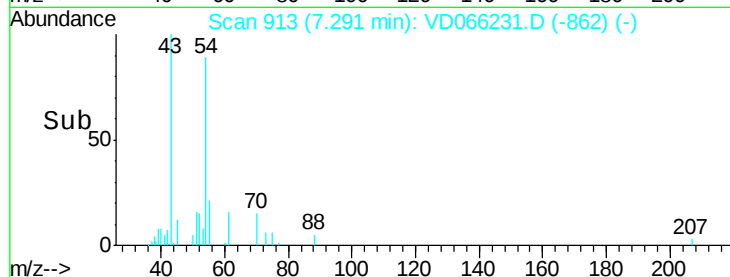
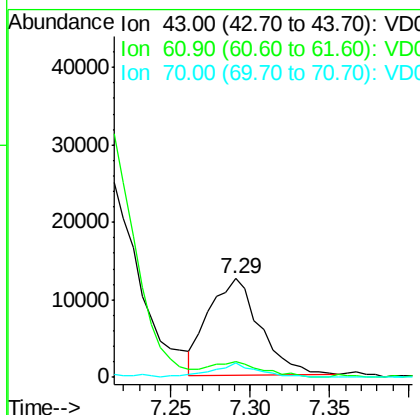
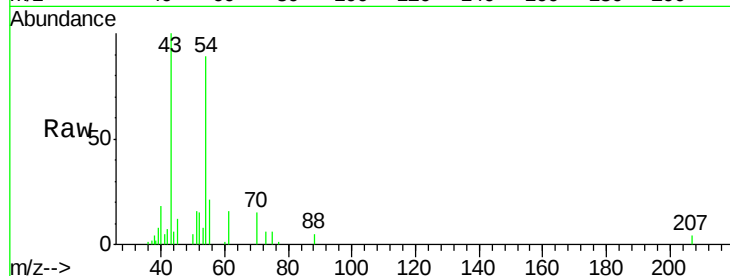
#37
Ethyl Acetate
Concen: 16.798 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.0	12.0	18.0
70	13.3	9.7	14.5

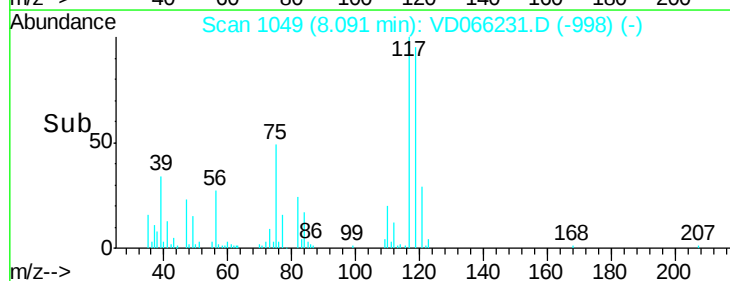
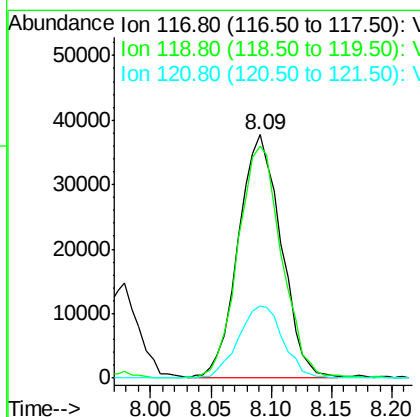
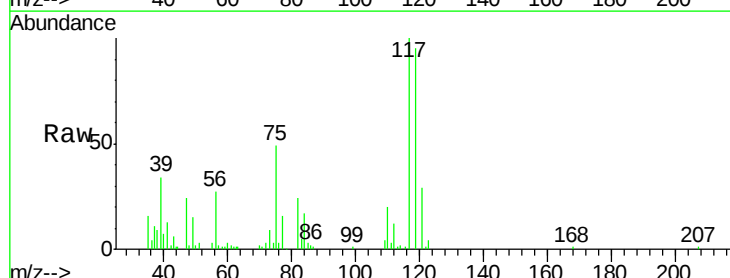
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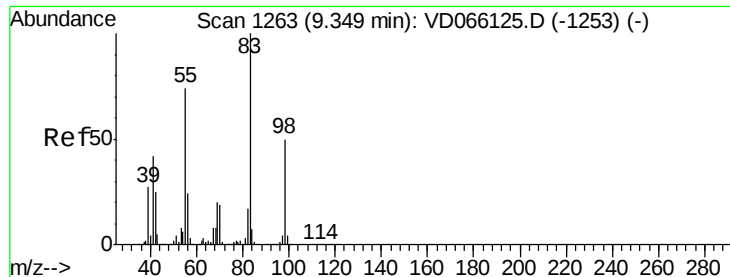
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#38
Carbon Tetrachloride
Concen: 19.603 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	81.0	121.4
121	29.5	24.8	37.2





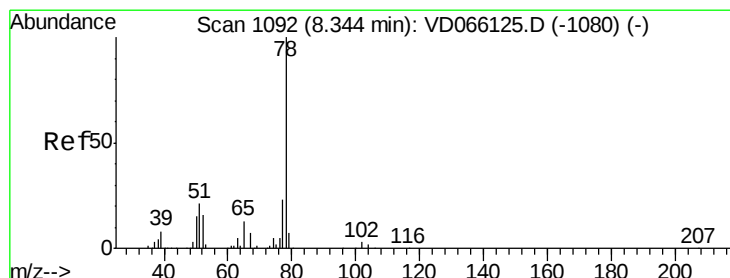
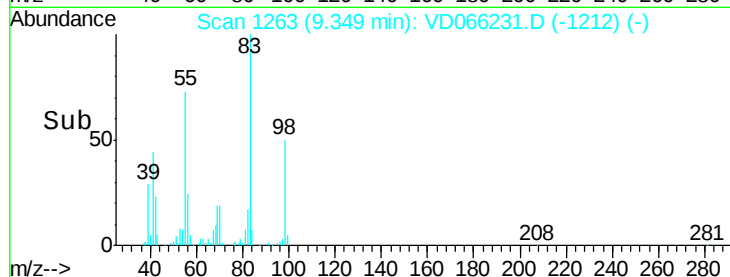
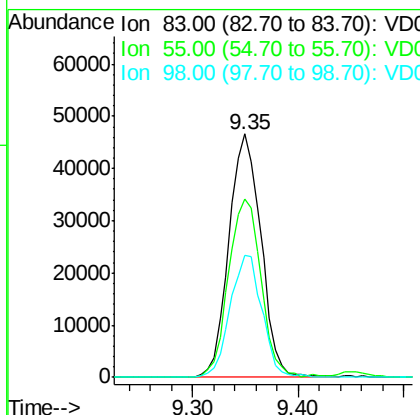
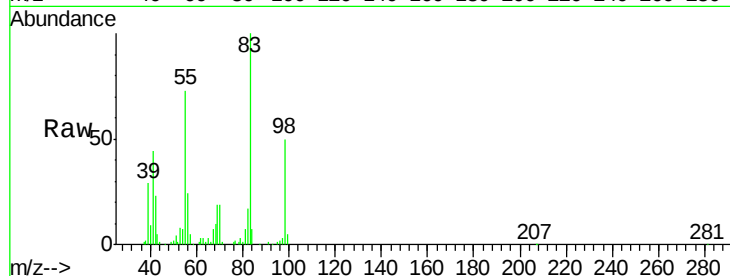
#39
Methvlcvclohexane
Concen: 18.961 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion	83	Resp	97901
Ion Ratio	100	Lower	Upper
83	100		
55	73.2	59.2	88.8
98	50.1	39.8	59.6

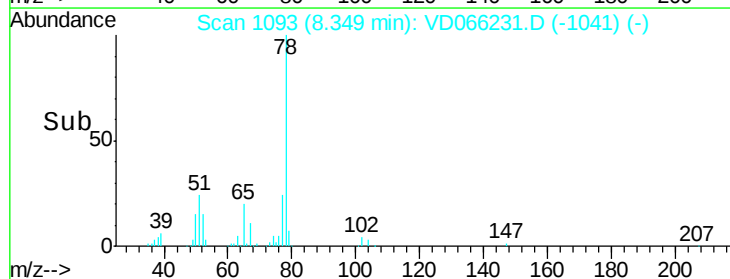
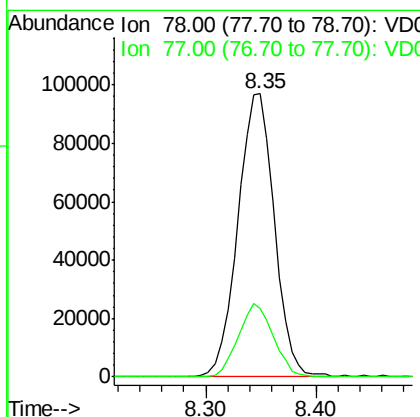
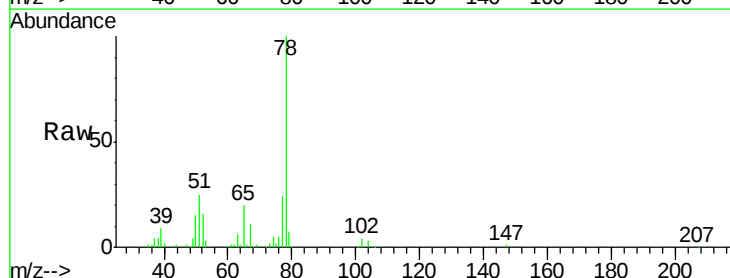
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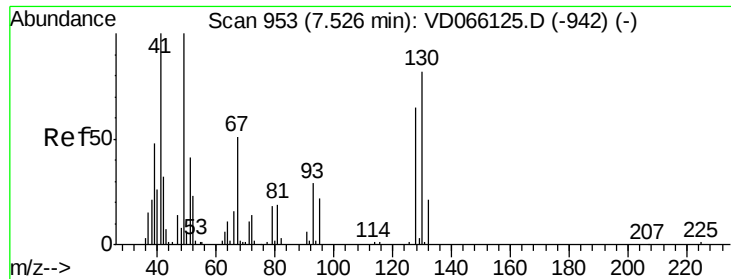
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#40
Benzene
Concen: 18.946 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	78	Resp	224484
Ion Ratio	100	Lower	Upper
78	100		
77	24.2	18.6	27.8





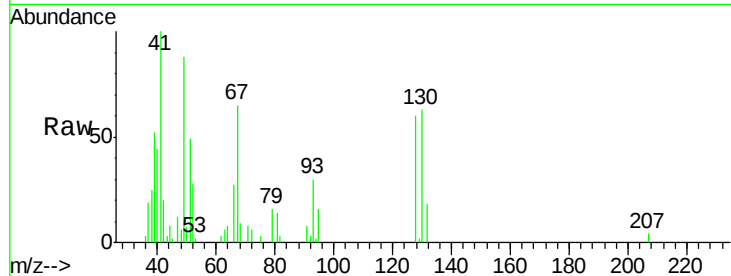
#41
Methacrylonitrile
Concen: 16.855 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

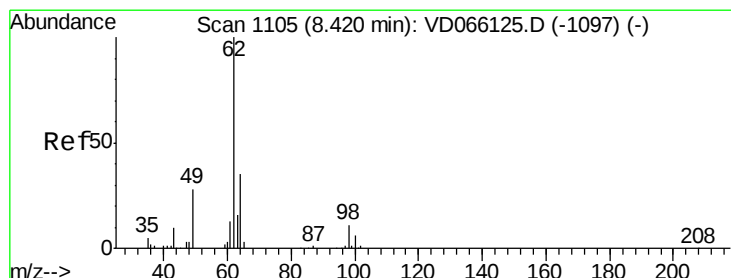
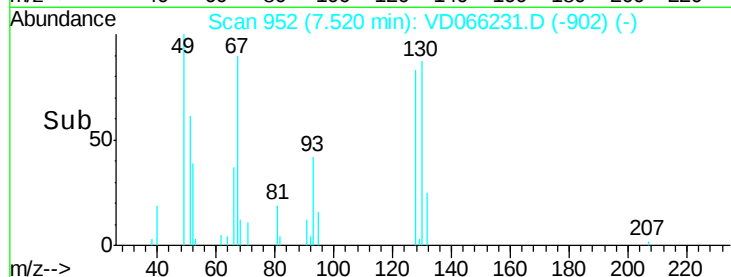
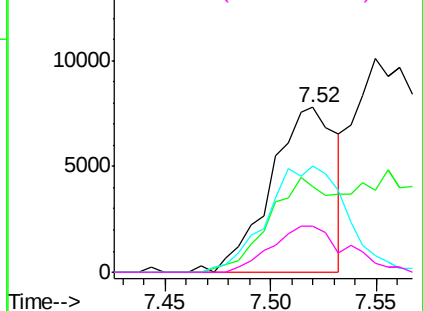
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		16771		
39	64.6	47.5	71.3		
67	78.4	59.1	88.7		
52	31.9	25.4	38.0		

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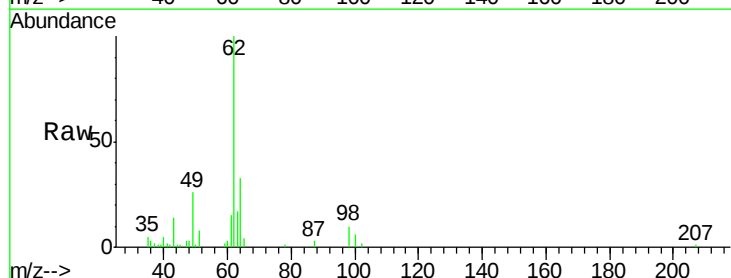


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

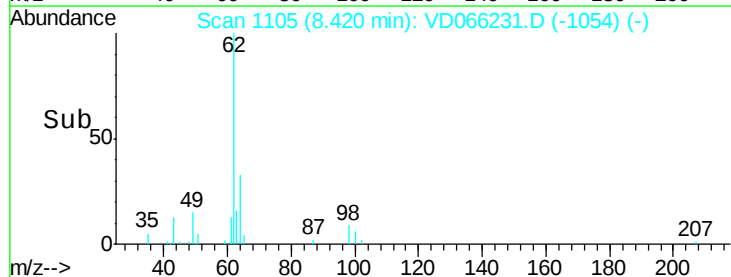
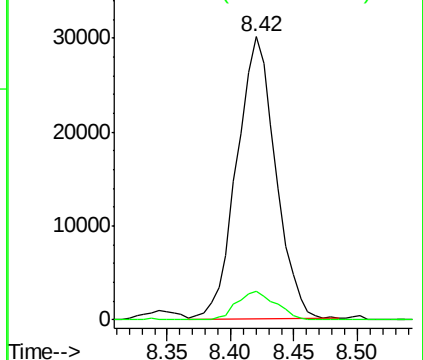


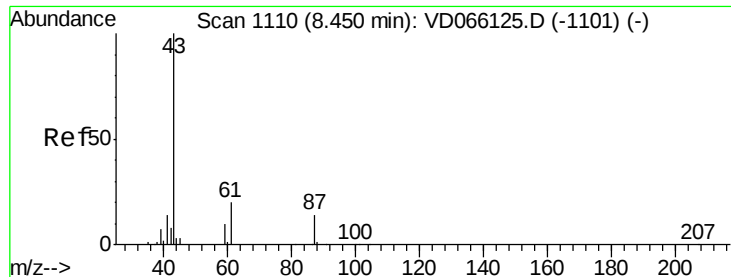
#42
1,2-Dichloroethane
Concen: 18.360 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		63907		
98	10.1	0.0	20.4		



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





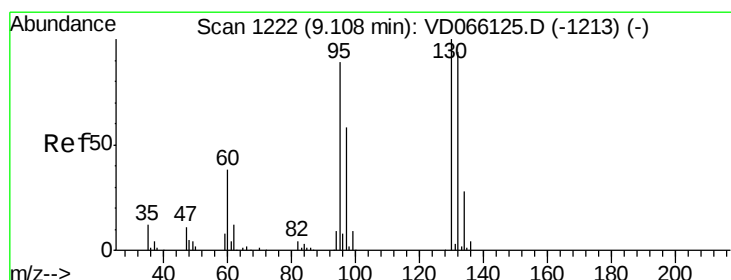
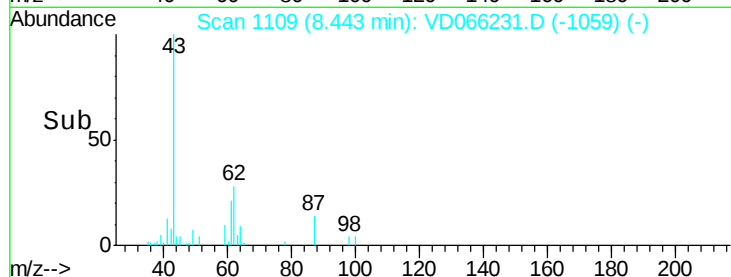
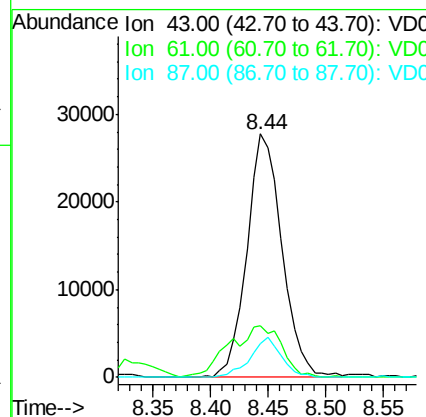
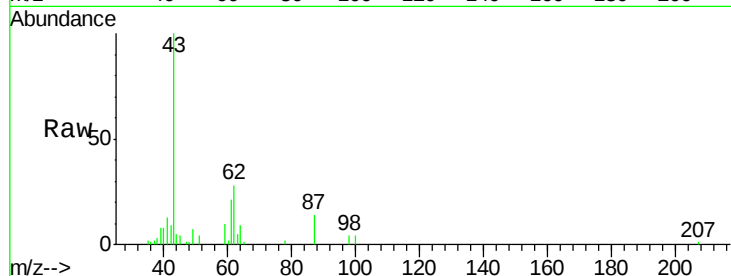
#43
Isopropyl Acetate
Concen: 17.643 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.7	25.5	38.3
87	14.7	11.2	16.8

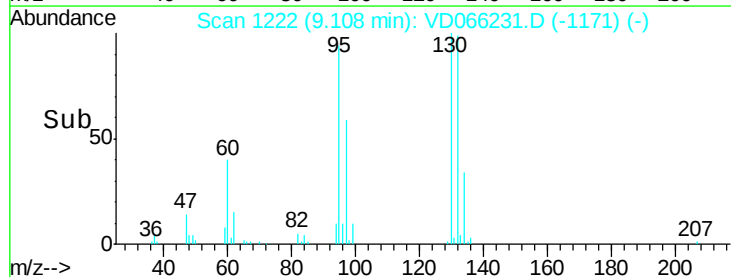
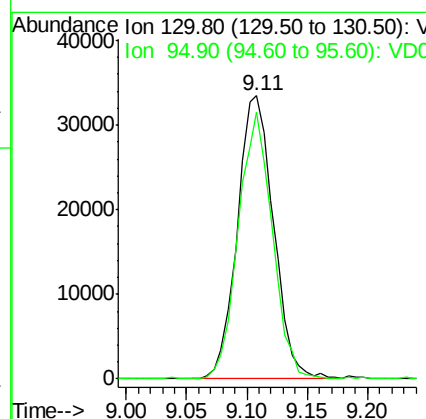
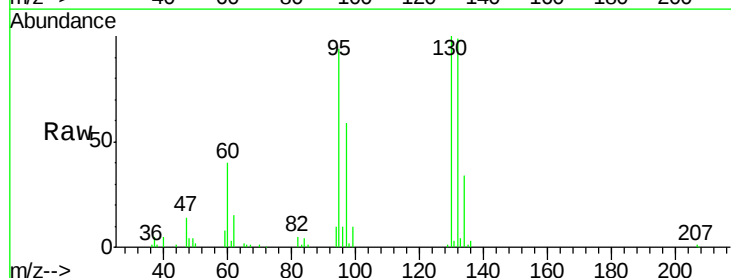
Manual Integrations
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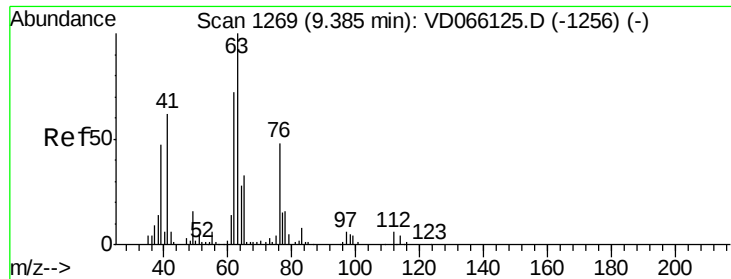
MMDadoda
8/17/2020 5:45:57 PM



#44
Trichloroethene
Concen: 19.618 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.2	0.0	178.4





#45

1,2-Dichloropropane

Concen: 19.142 ug/l

RT: 9.38 min Scan# 1268

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 63 Resp: 55472

Ion Ratio Lower Upper

63 100

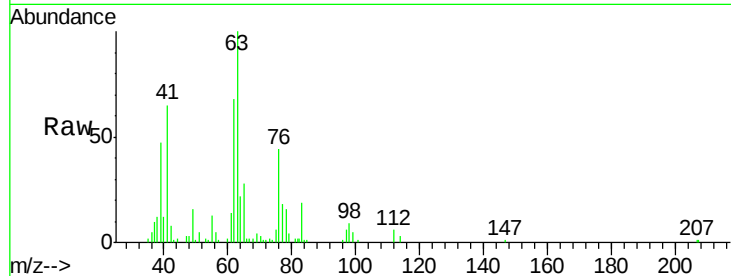
65 28.2 26.5 39.7

Manual Integrations

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MMDadoda

8/17/2020 5:45:57 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.38

30000

25000

20000

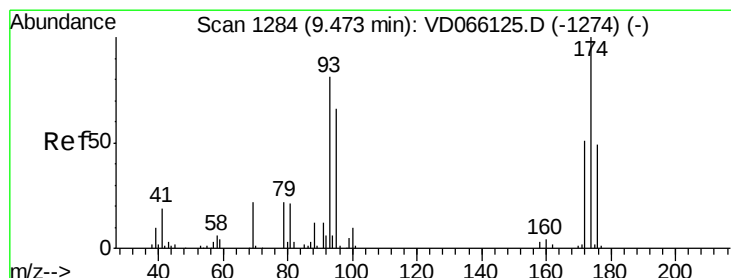
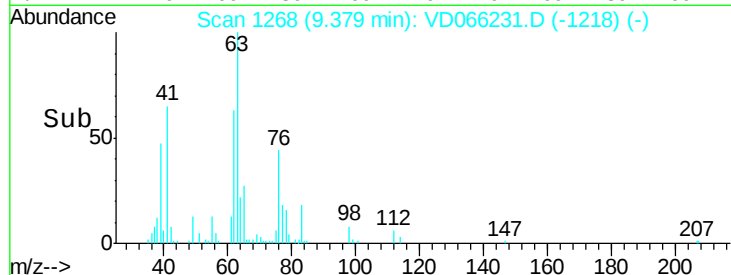
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 18.456 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

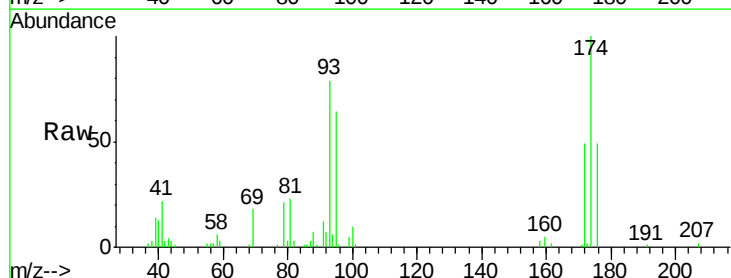
Tgt Ion: 93 Resp: 29461

Ion Ratio Lower Upper

93 100

95 82.0 65.8 98.6

174 118.0 92.8 139.2



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

20000

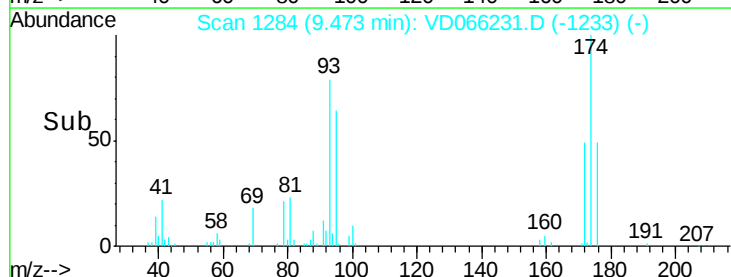
15000

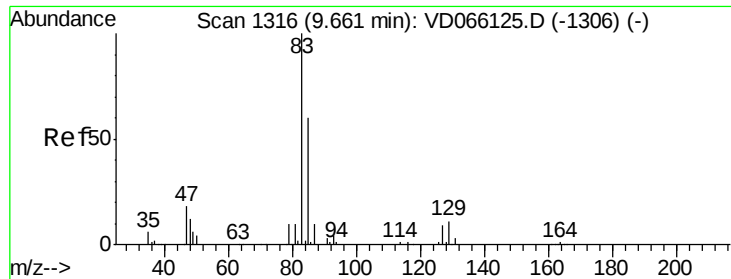
10000

5000

0

Time-->





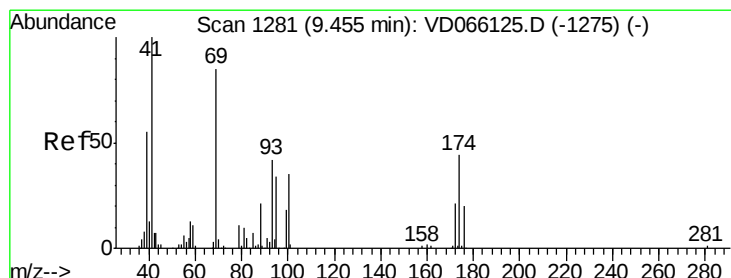
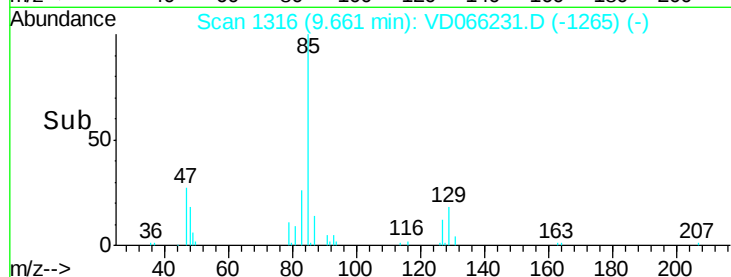
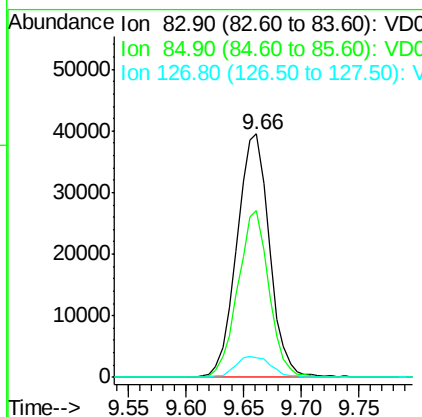
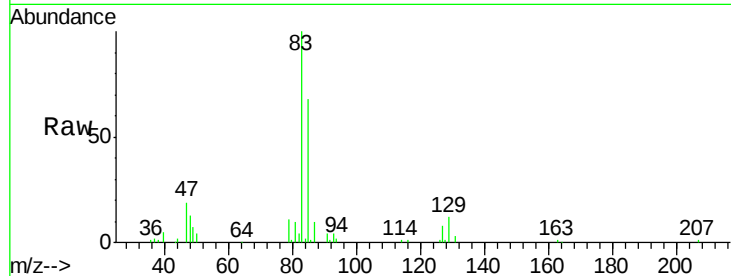
#47
Bromodichloromethane
Concen: 18.364 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion	83	Resp	77476
Ion Ratio	100	Lower	Upper
83	100		
85	68.4	48.2	72.4
127	8.3	7.3	10.9

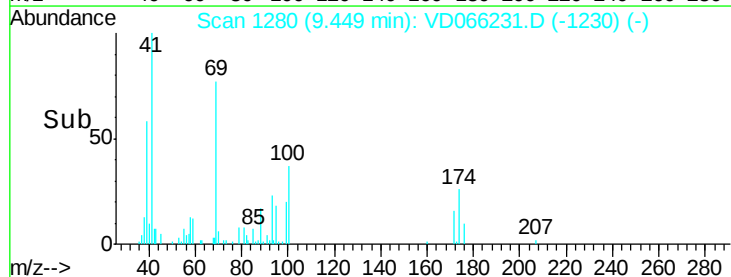
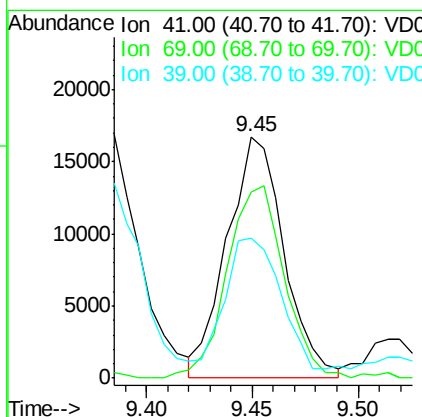
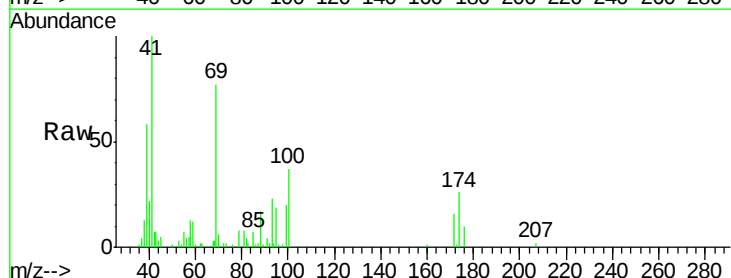
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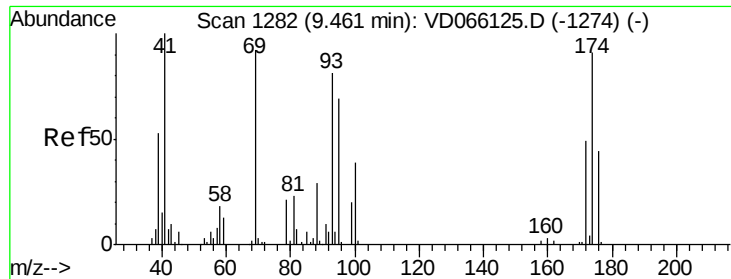
MMDadoda
8/17/2020 5:45:57 PM



#48
Methyl methacrylate
Concen: 18.392 ug/l
RT: 9.45 min Scan# 1280
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	41	Resp	31315
Ion Ratio	100	Lower	Upper
41	100		
69	80.0	63.9	95.9
39	52.4	42.6	64.0





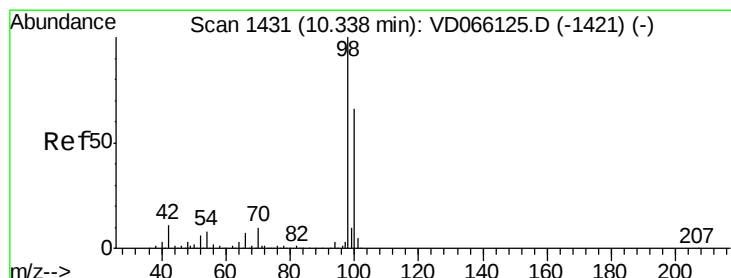
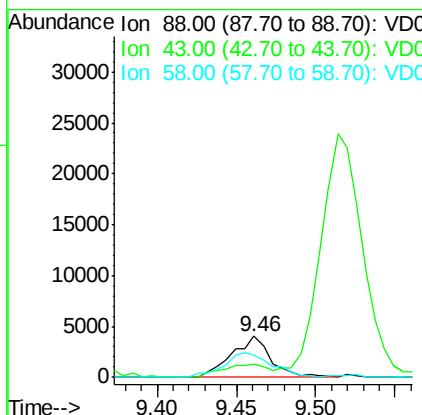
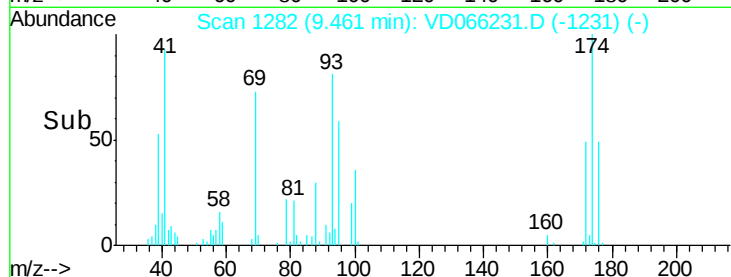
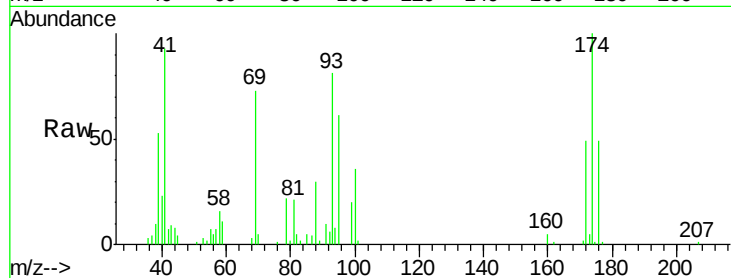
#49
1,4-Dioxane
Concen: 336.654 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	88	Resp	6904
Ion	Ratio	Lower	Upper
88	100		
43	37.4	27.5	41.3
58	73.1	50.2	75.4

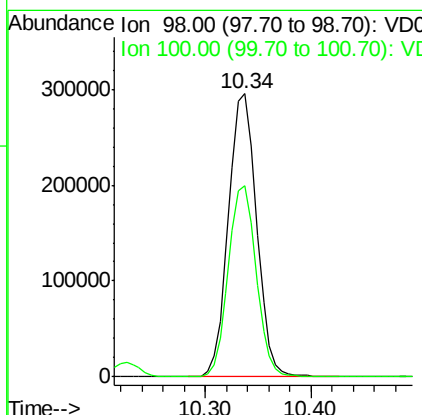
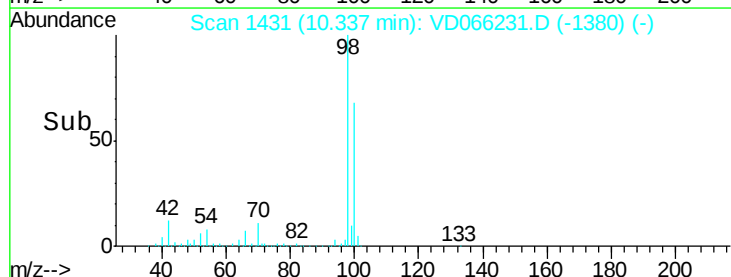
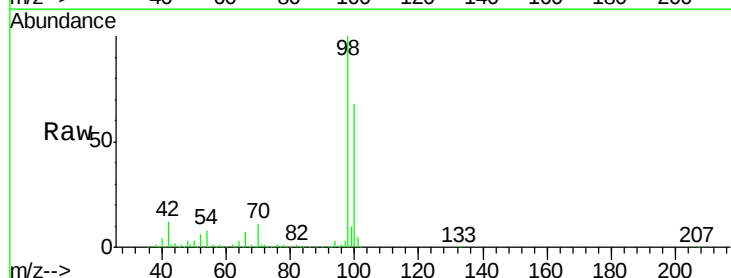
Manual Integrations
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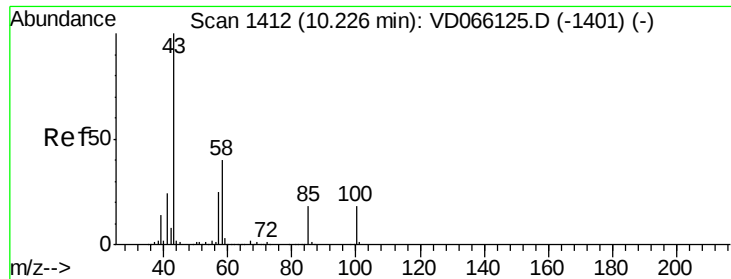
MMDadoda
8/17/2020 5:45:57 PM



#50
Toluene-d8
Concen: 51.463 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	98	Resp	546838
Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 88.778 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleID :

VD0814SBS01

Tot Ion: 43 Resp: 152053

Ion Ratio Lower Upper

43 100

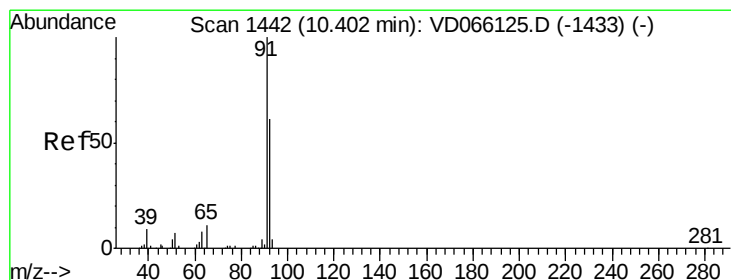
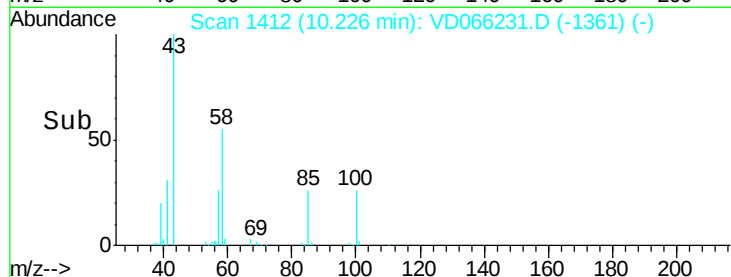
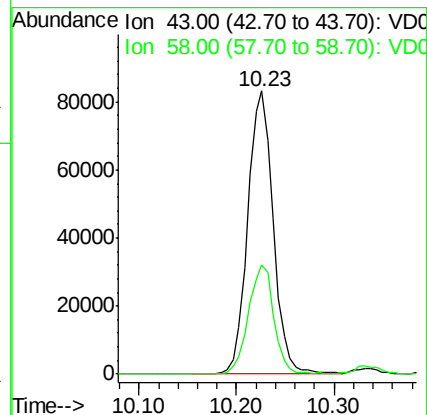
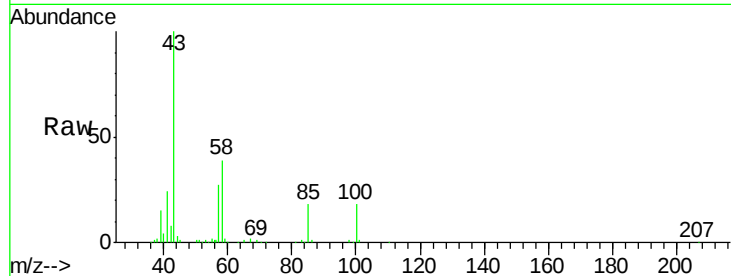
58 38.5 31.1 46.7

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8/17/2020 5:45:57 PM



#52

Toluene

Concen: 19.190 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066231.D

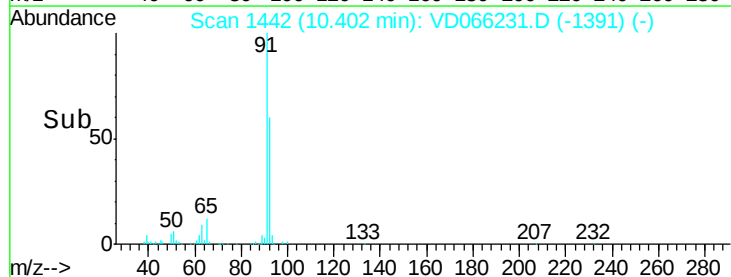
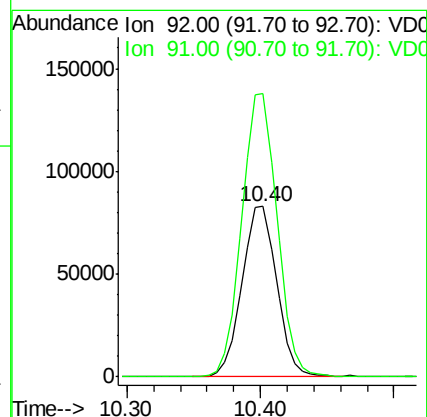
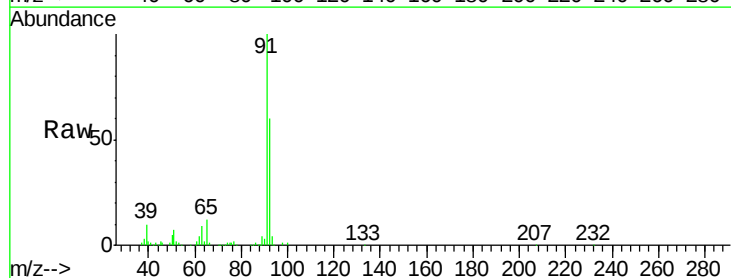
Acq: 14 Aug 2020 12:43

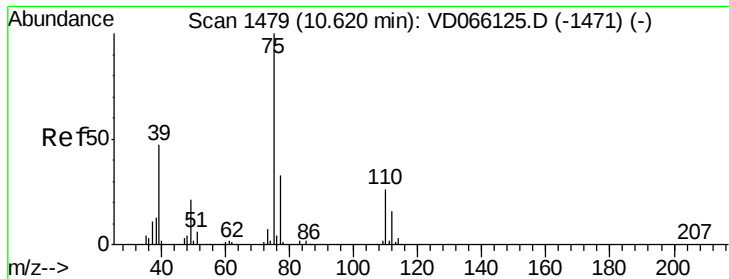
Tgt Ion: 92 Resp: 149617

Ion Ratio Lower Upper

92 100

91 169.2 135.2 202.8





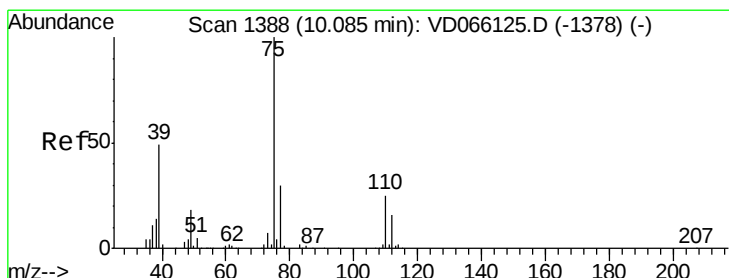
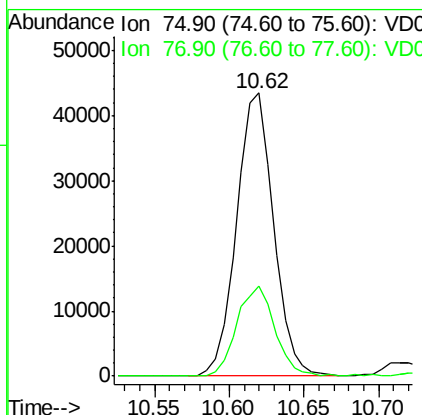
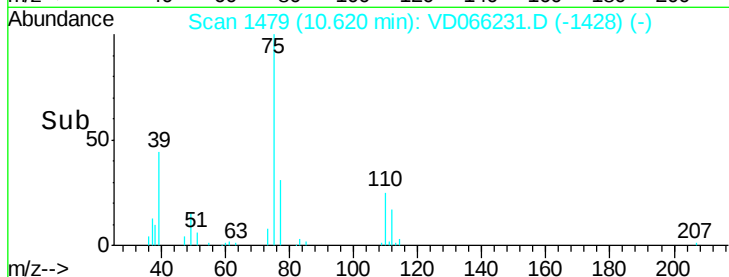
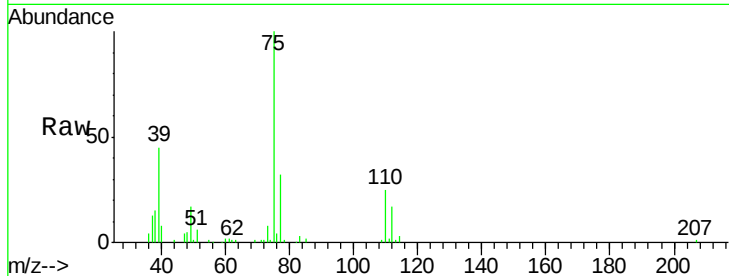
#53
 t-1,3-Dichloropropene
 Concen: 18.721 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion: 75 Resp: 74955
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.2 39.2

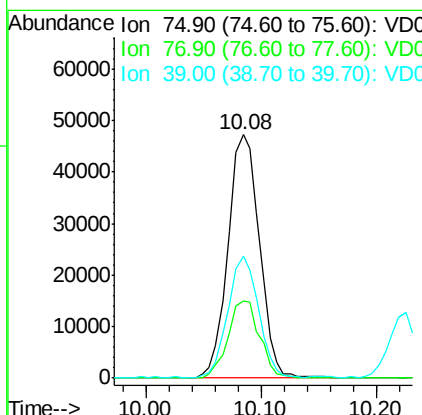
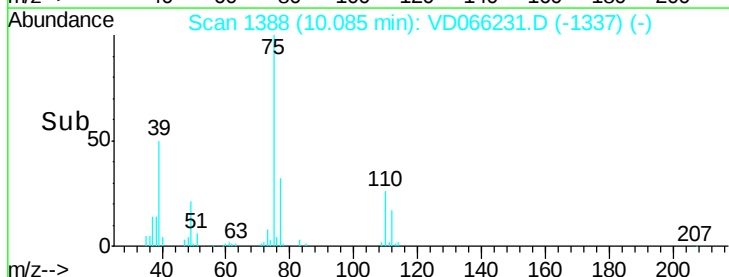
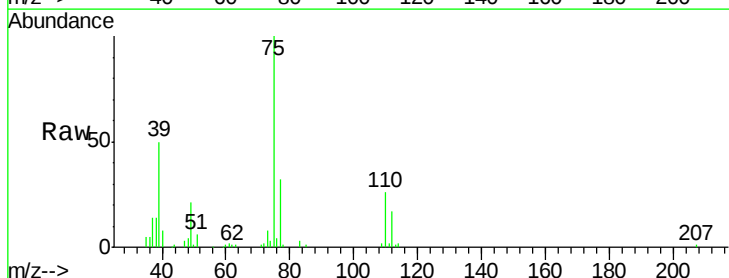
Manual Integrations
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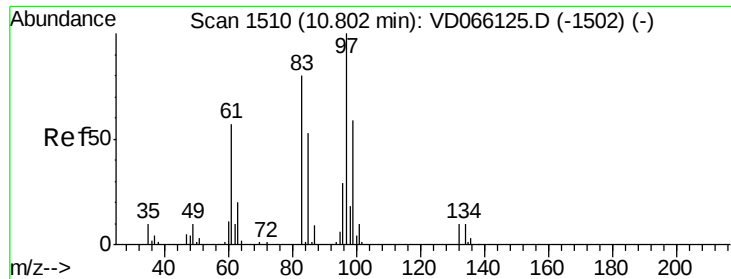
MMDadoda
 8/17/2020 5:45:57 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.066 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.00 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion: 75 Resp: 89438
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.3 36.5
 39 50.2 39.3 58.9





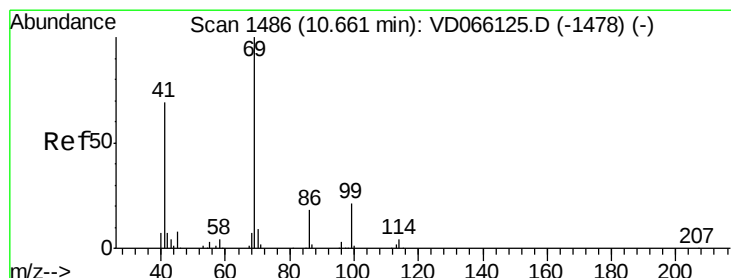
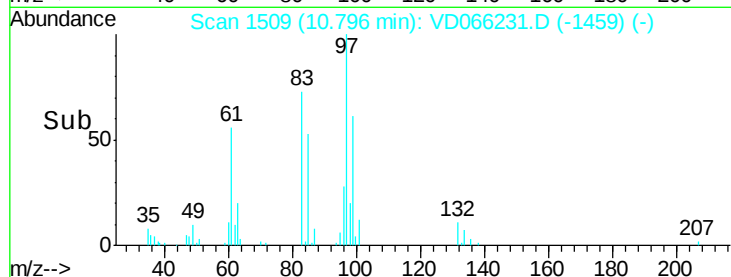
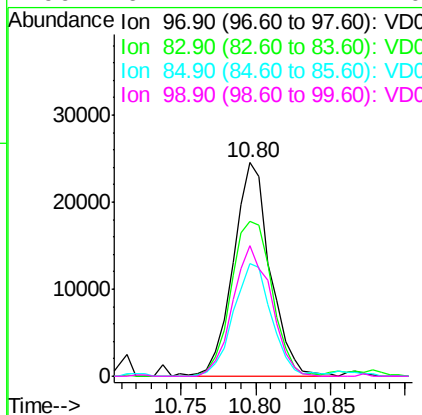
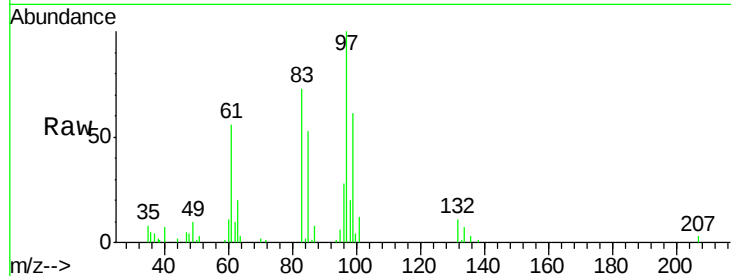
#55
 1,1,2-Trichloroethane
 Concen: 18.406 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

Tot Ion:	97	Resp:	42306
Ion	Ratio	Lower	Upper
97	100		
83	72.7	63.9	95.9
85	52.8	42.5	63.7
99	61.1	47.4	71.0

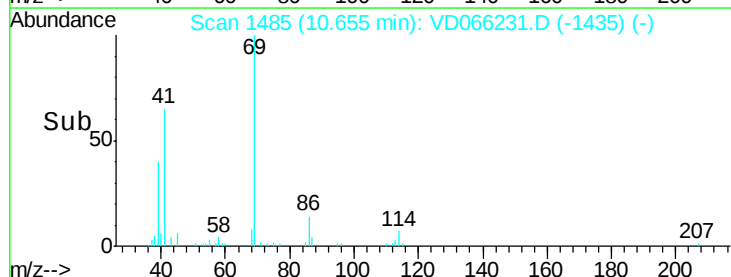
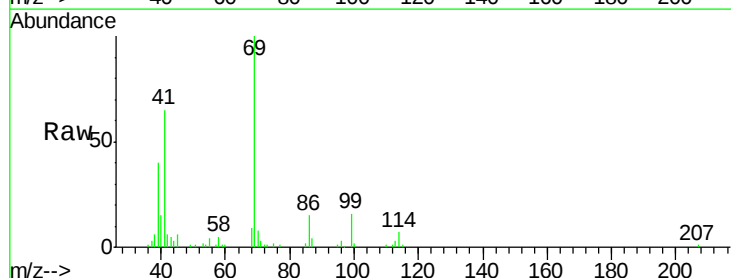
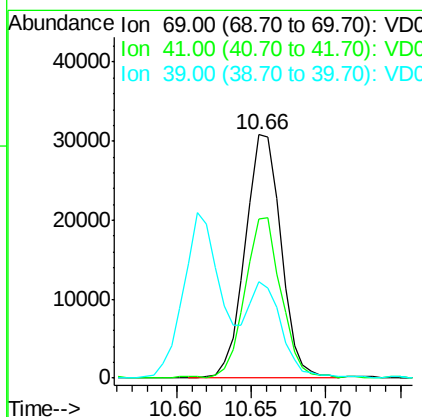
Manual Integrations
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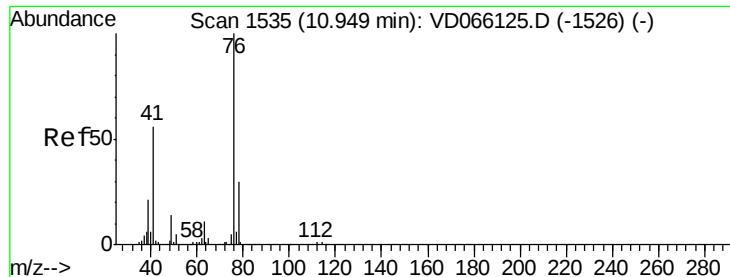
MMDadoda
 8/17/2020 5:45:57 PM



#56
 Ethyl methacrylate
 Concen: 18.539 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion:	69	Resp:	51189
Ion	Ratio	Lower	Upper
69	100		
41	66.3	54.1	81.1
39	36.0	28.6	43.0





#57

1,3-Dichloropropane

Concen: 18.414 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 76 Resp: 70267

Ion Ratio Lower Upper

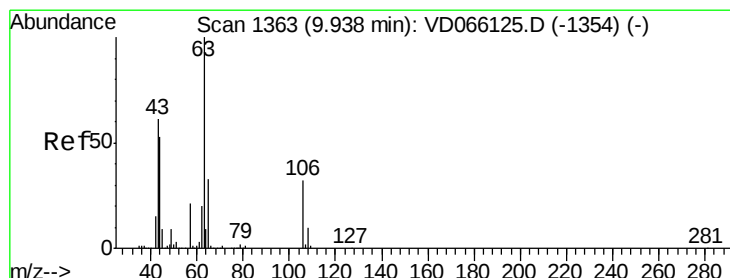
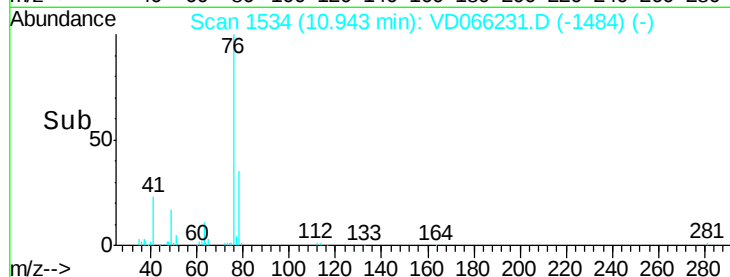
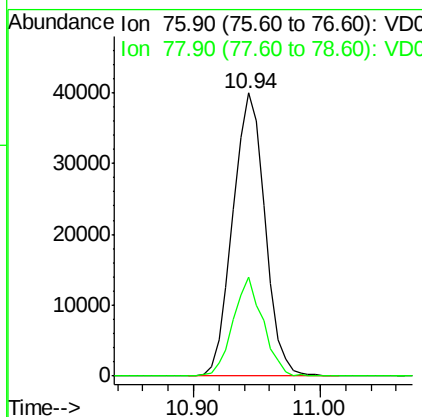
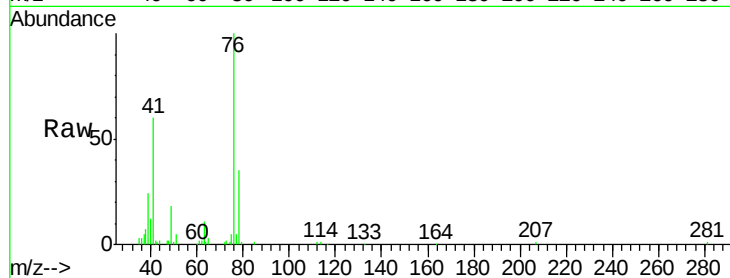
76 100

78 32.4 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

8/17/2020 5:45:57 PM



#58

2-Chloroethyl Vinyl ether

Concen: 100.936 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066231.D

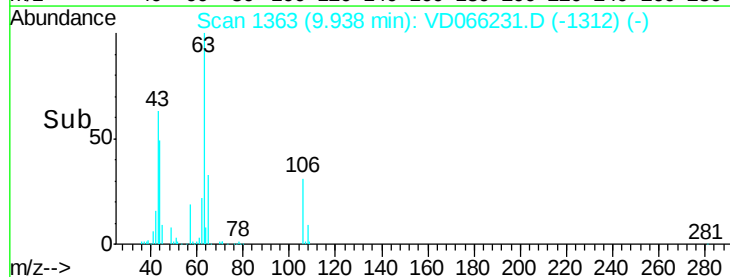
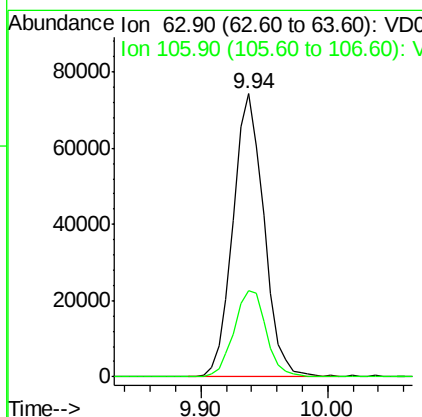
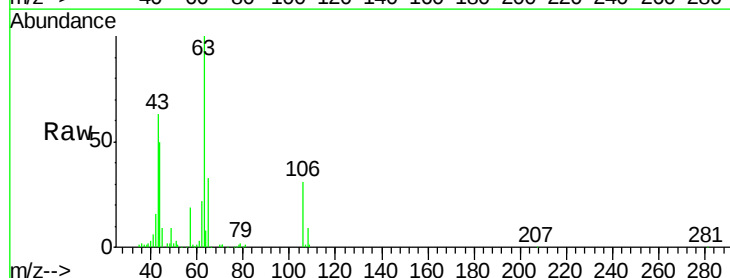
Acq: 14 Aug 2020 12:43

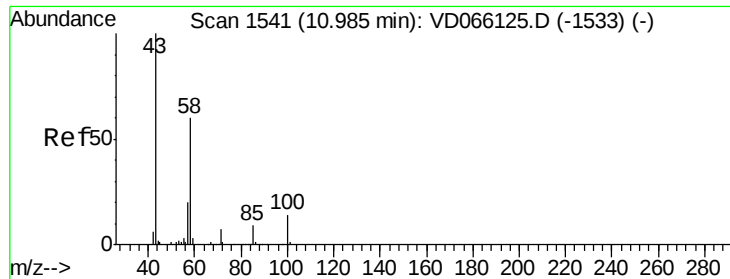
Tgt Ion: 63 Resp: 125364

Ion Ratio Lower Upper

63 100

106 31.8 25.3 37.9





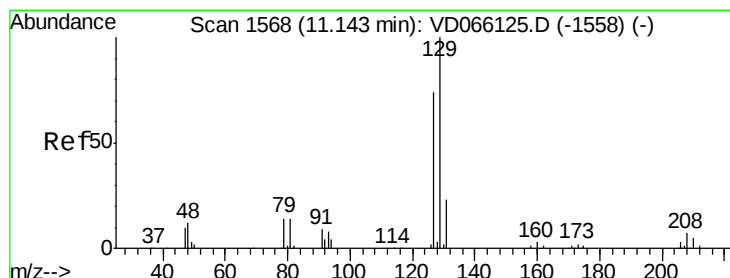
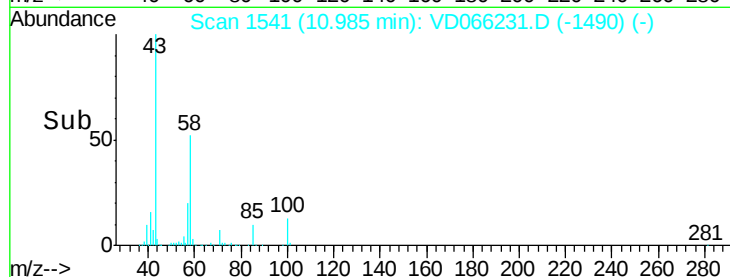
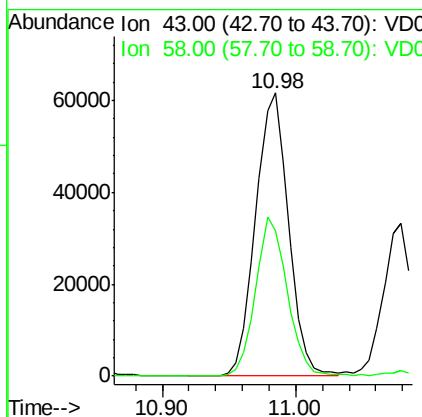
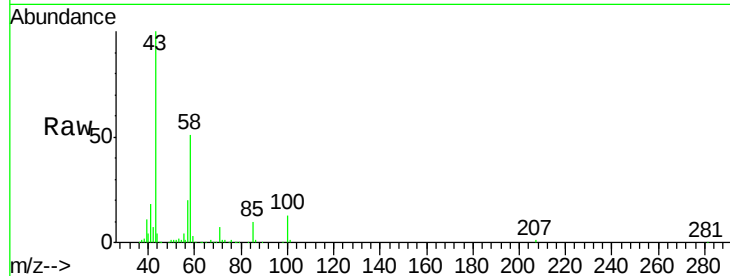
#59
2-Hexanone
Concen: 87.633 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS001

Tot Ion: 43 Resp: 105338
Ion Ratio Lower Upper
43 100
58 53.8 27.8 83.4

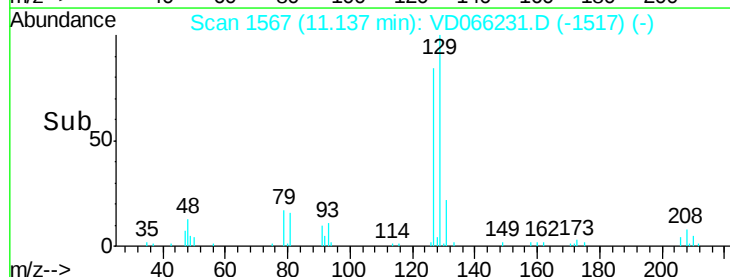
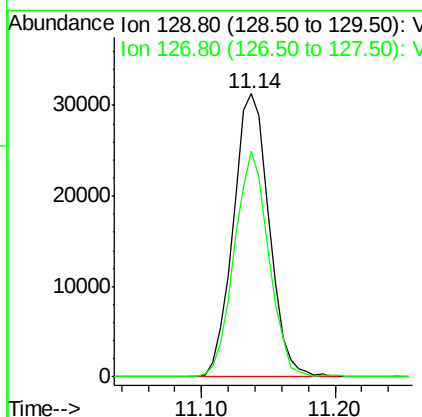
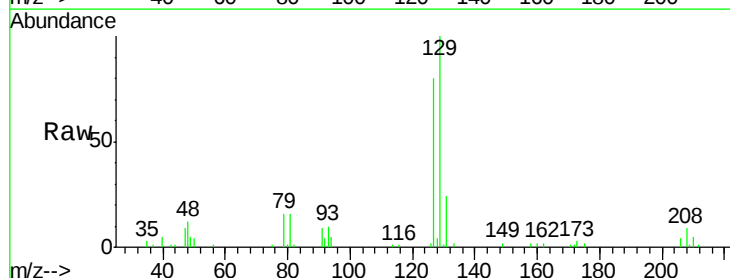
Manual Integrations
APPROVED

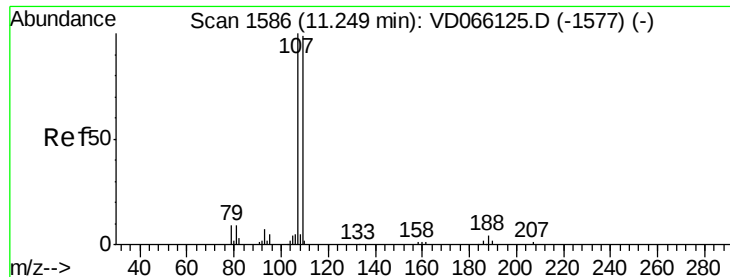
MMDadoda
8/17/2020 5:45:57 PM



#60
Dibromochloromethane
Concen: 18.356 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion: 129 Resp: 58250
Ion Ratio Lower Upper
129 100
127 76.2 38.0 114.1





#61

1,2-Dibromoethane

Concen: 18.423 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBSD01

Tot Ion: 107 Resp: 40723

Ion Ratio Lower Upper

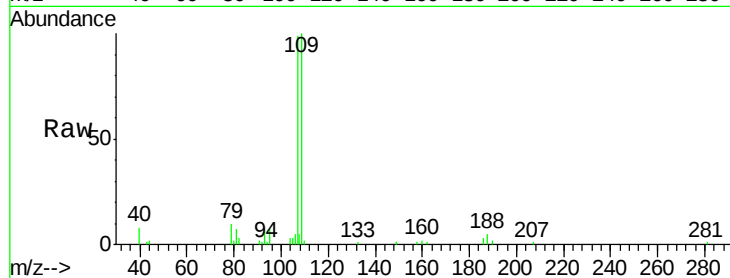
107 100

109 96.1 76.5 114.7

Manual Integrations
APPROVED

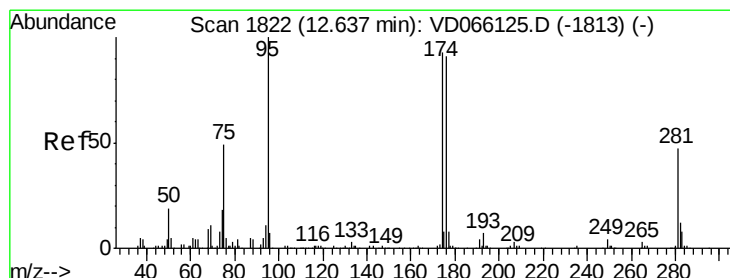
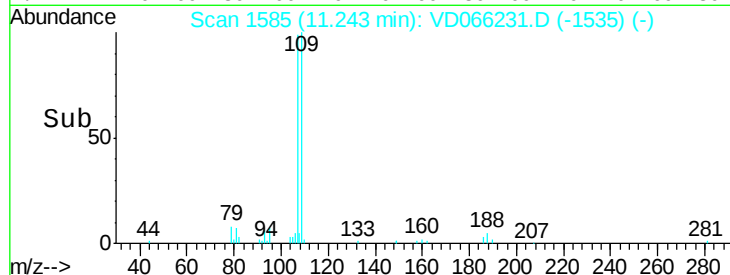
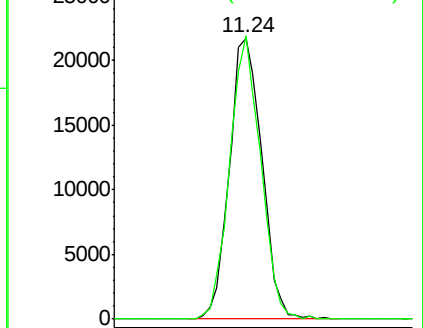
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.625 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

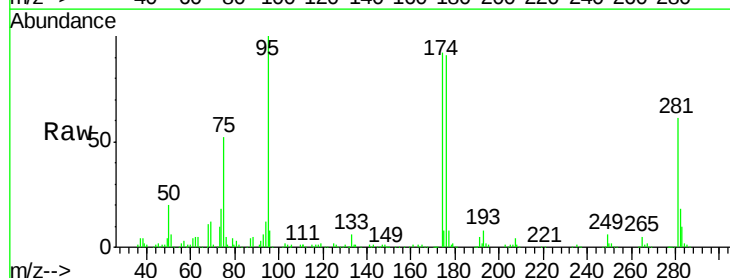
Tgt Ion: 95 Resp: 193903

Ion Ratio Lower Upper

95 100

174 90.9 0.0 180.8

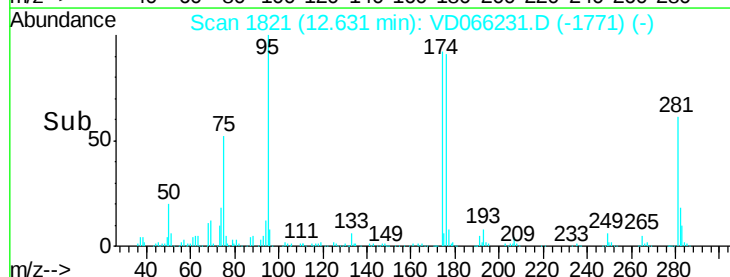
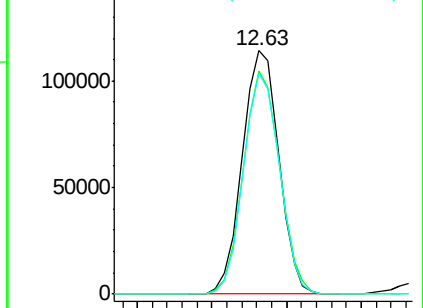
176 89.2 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





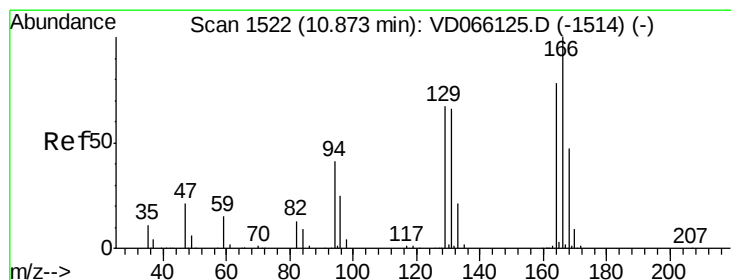
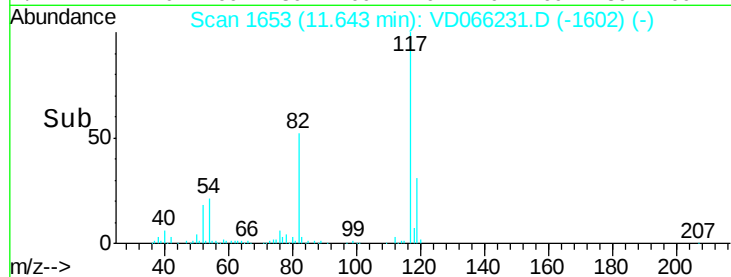
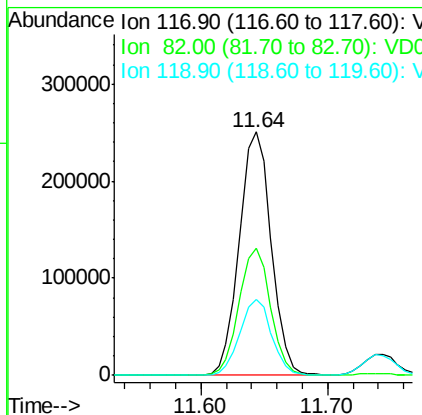
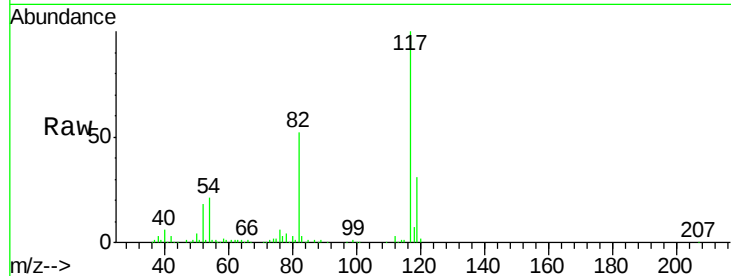
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	438124		
82	52.4	43.0	64.4	
119	31.1	26.1	39.1	

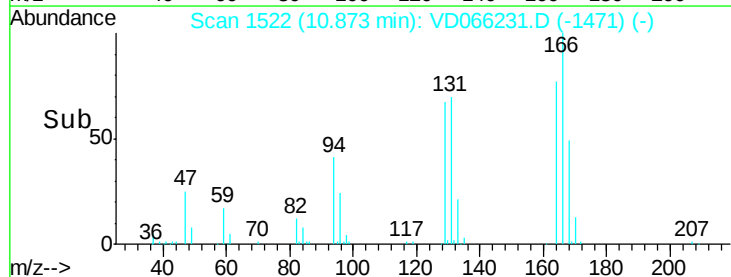
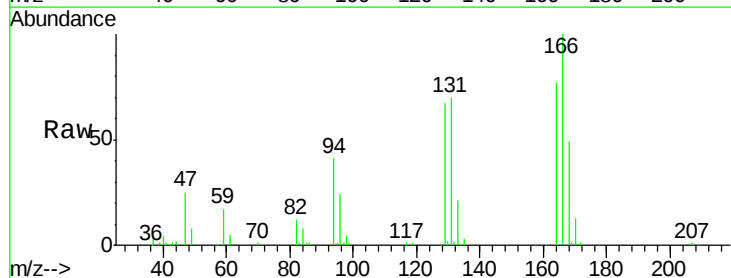
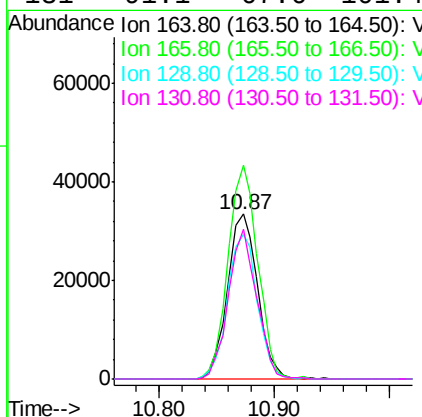
Manual Integrations
APPROVED

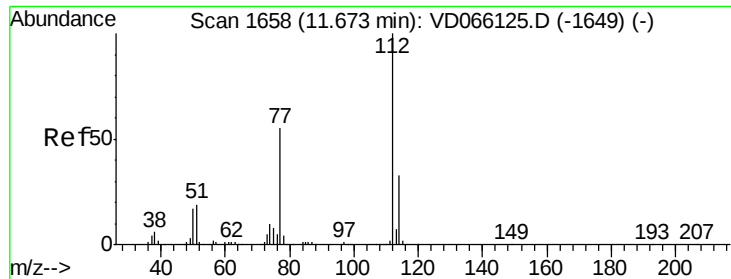
MMDadoda
8/17/2020 5:45:57 PM



#64
Tetrachloroethene
Concen: 18.030 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60657		
166	129.7	101.9	152.9	
129	87.5	68.1	102.1	
131	91.1	67.6	101.4	





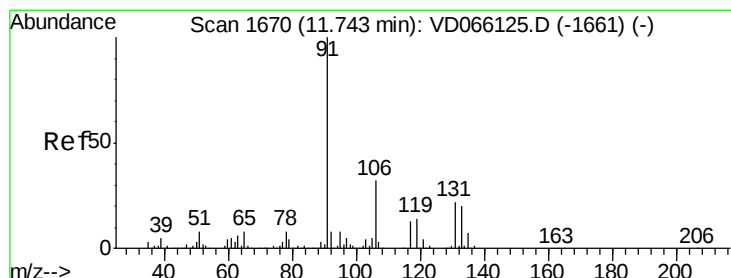
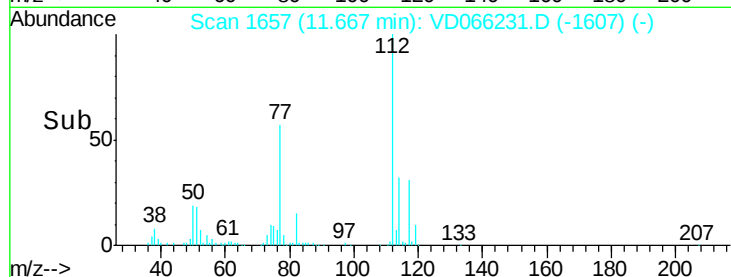
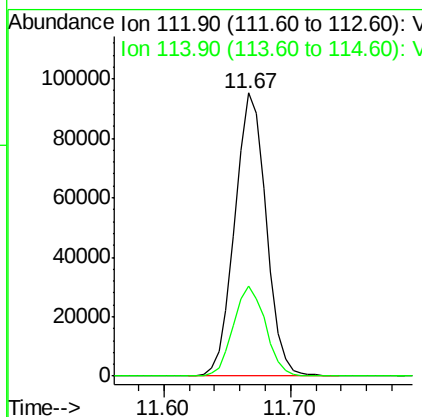
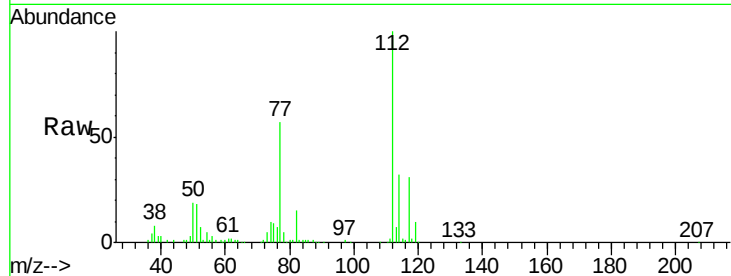
#65
Chlorobenzene
Concen: 18.352 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.1	39.1

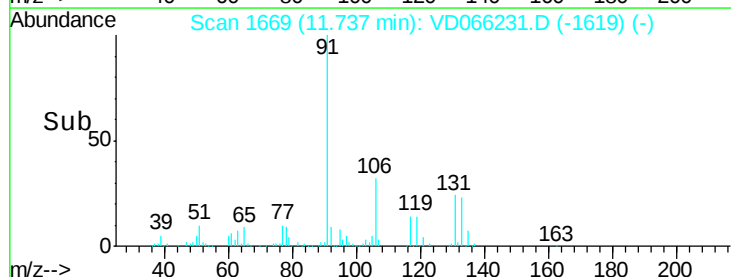
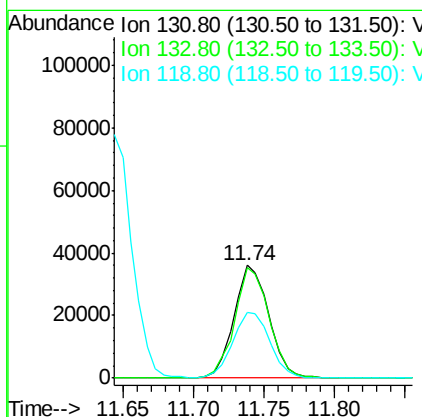
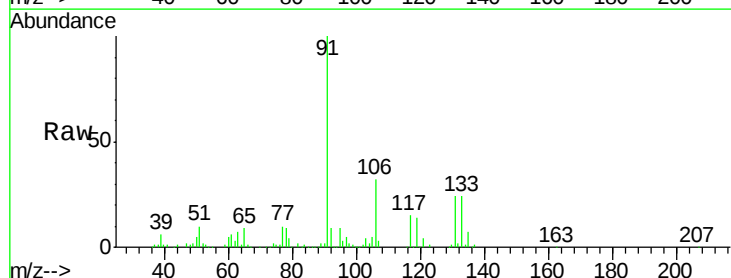
Manual Integrations
APPROVED

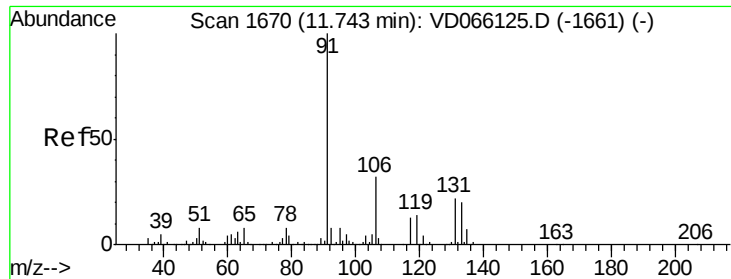
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 17.909 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.8	47.1	141.4
119	62.1	31.6	94.7





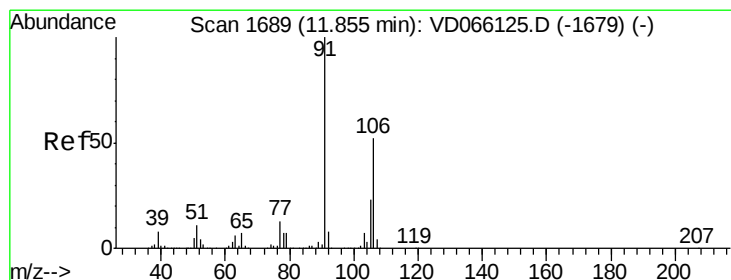
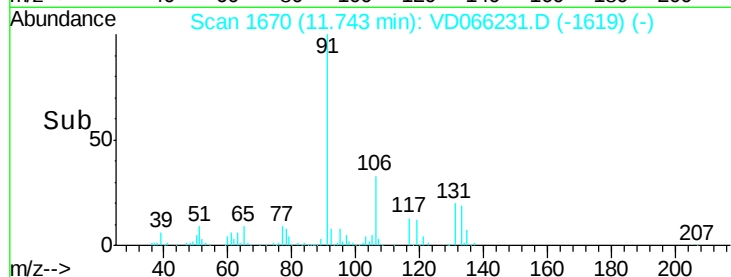
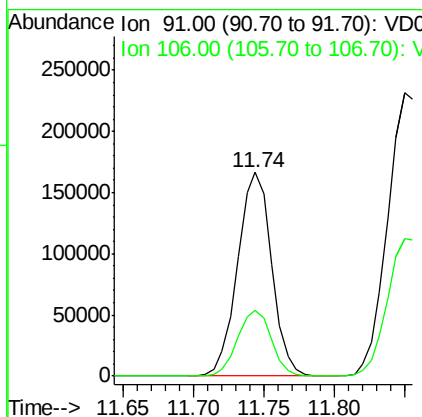
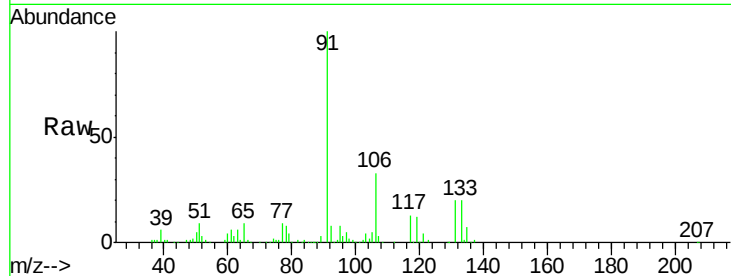
#67
Ethyl Benzene
Concen: 18.242 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion: 91 Resp: 281158
Ion Ratio Lower Upper
91 100
106 32.5 25.7 38.5

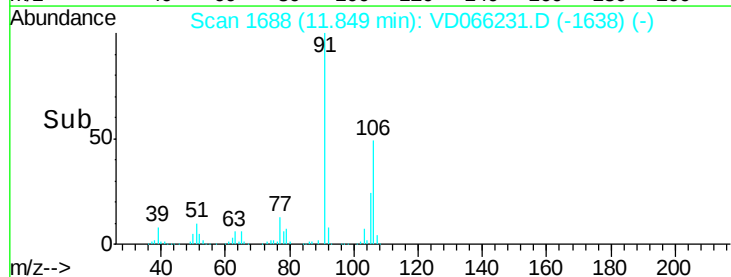
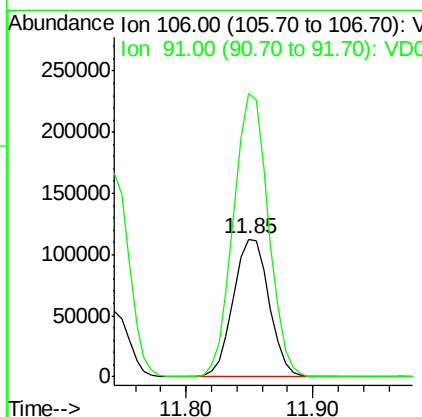
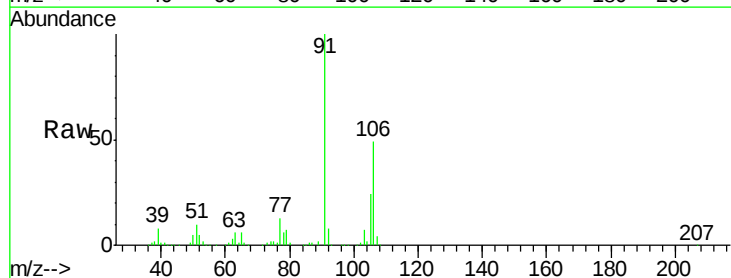
Manual Integrations
APPROVED

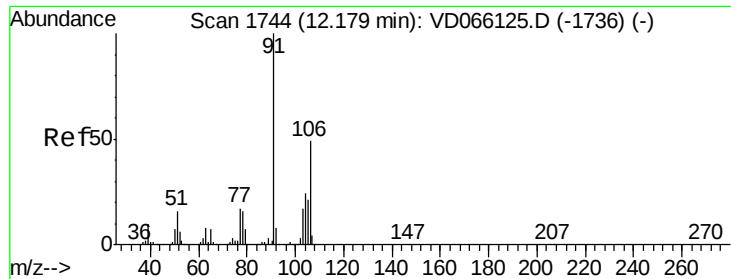
MMDadoda
8/17/2020 5:45:57 PM



#68
m/p-Xylenes
Concen: 36.923 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion: 106 Resp: 220487
Ion Ratio Lower Upper
106 100
91 201.6 156.6 235.0





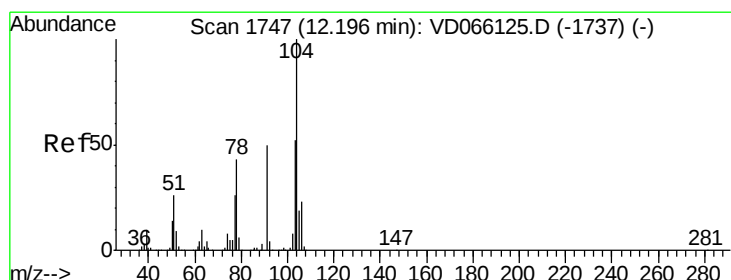
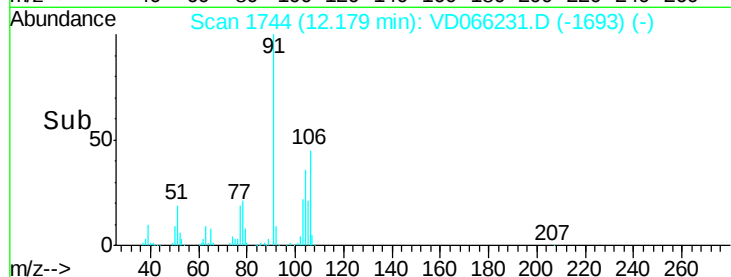
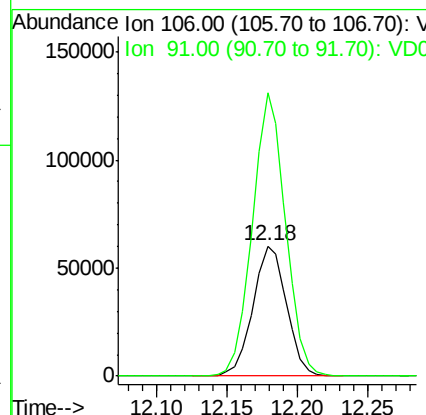
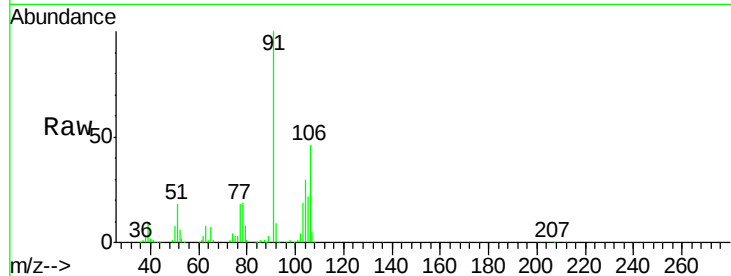
#69
o-Xylene
Concen: 18.493 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	214.2	105.7	317.1		

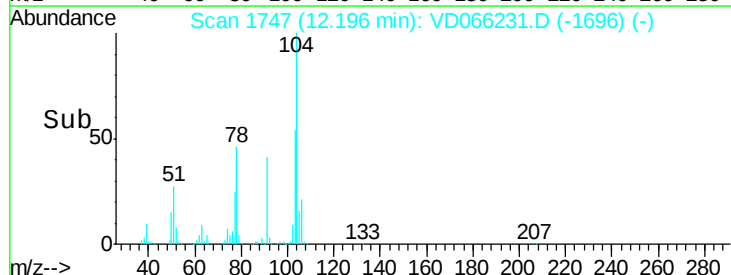
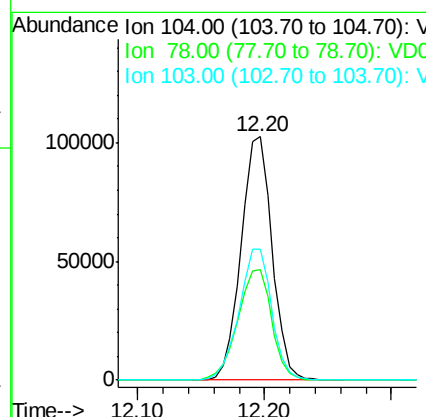
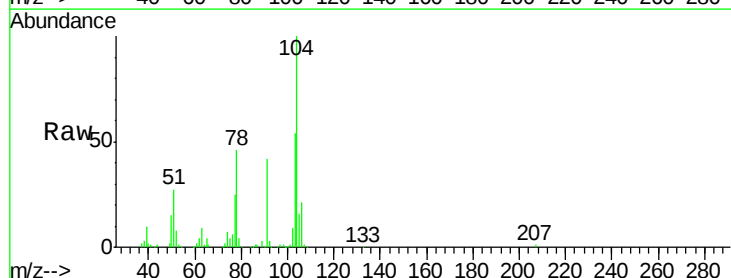
Manual Integrations
APPROVED

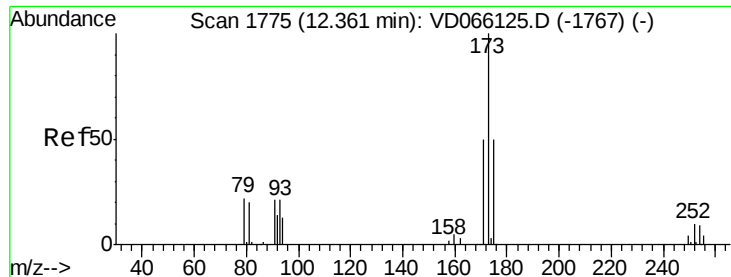
MMDadoda
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#70
Styrene
Concen: 18.269 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	49.6	38.6	58.0		
103	56.6	44.1	66.1		





#71

Bromoform

Concen: 17.798 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion:173 Resp: 36696

Ion Ratio Lower Upper

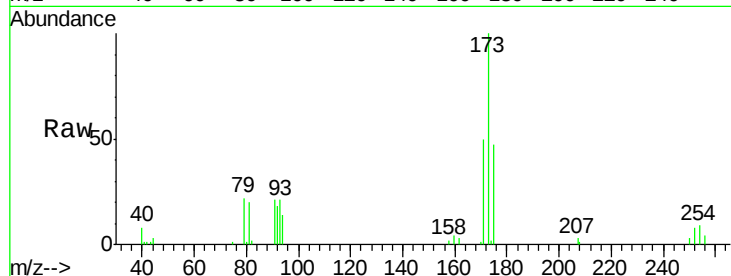
173 100

175 47.3 24.6 73.6

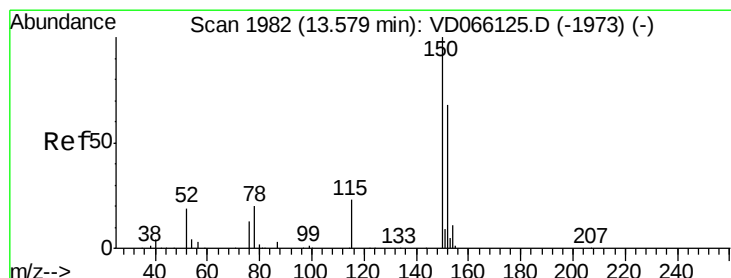
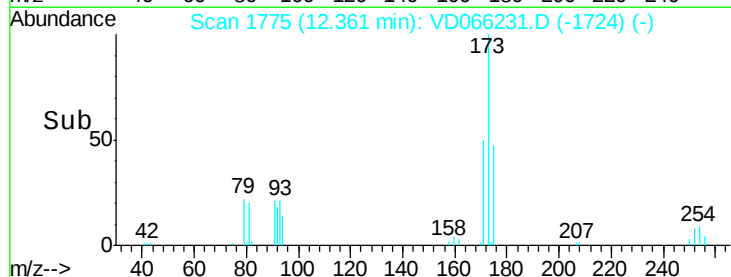
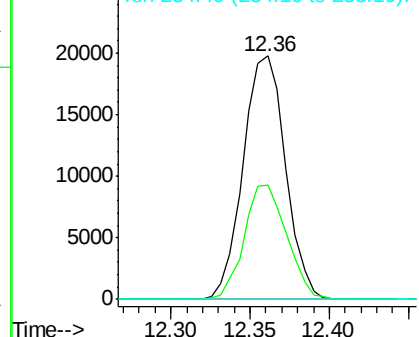
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

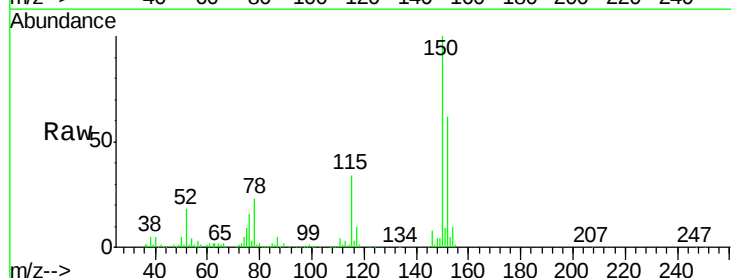
Tgt Ion:152 Resp: 220314

Ion Ratio Lower Upper

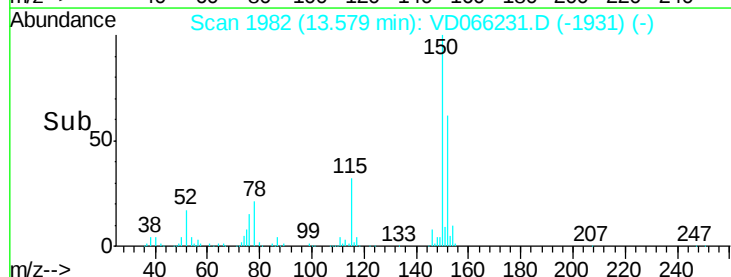
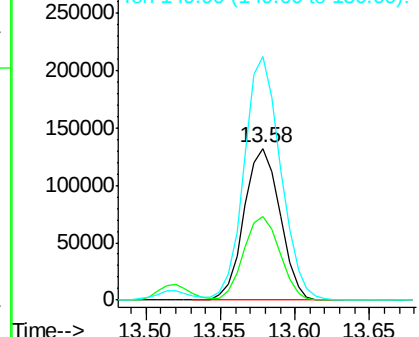
152 100

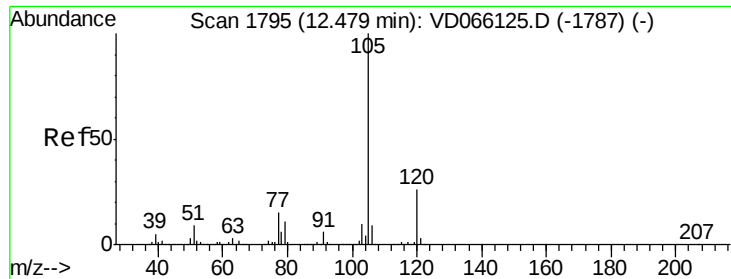
115 55.6 28.0 83.9

150 162.8 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: 18.901 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion:105 Resp: 277971

Ion Ratio Lower Upper

105 100

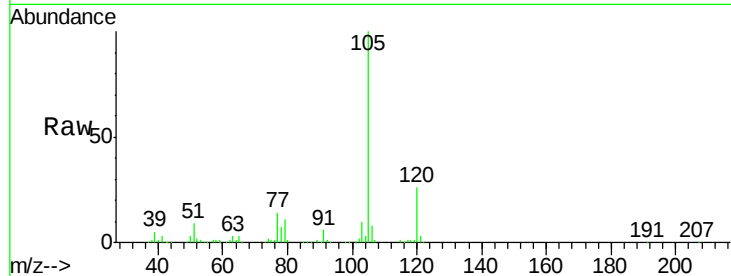
120 26.5 13.3 39.9

Manual Integrations

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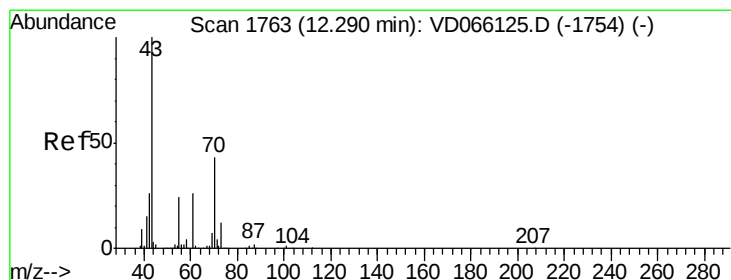
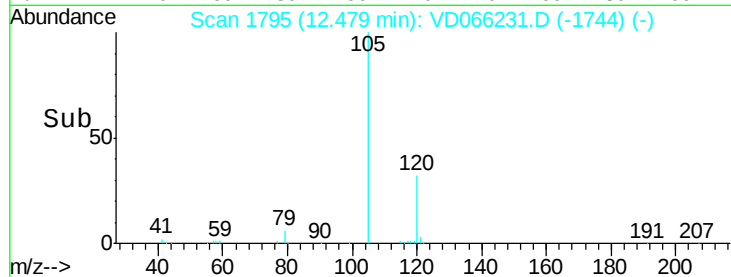
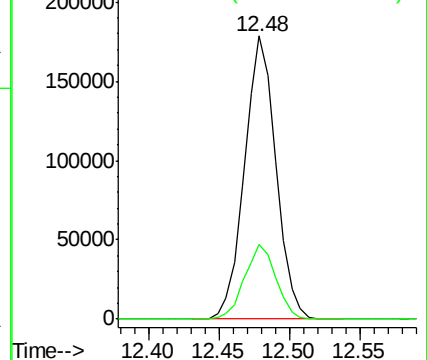
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.240 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Tgt Ion: 43 Resp: 55830

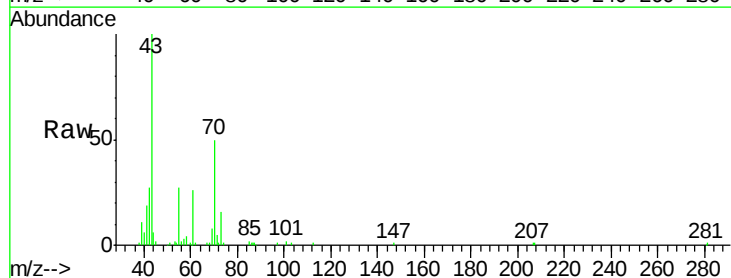
Ion Ratio Lower Upper

43 100

70 46.1 34.9 52.3

55 26.5 19.2 28.8

61 24.5 19.7 29.5

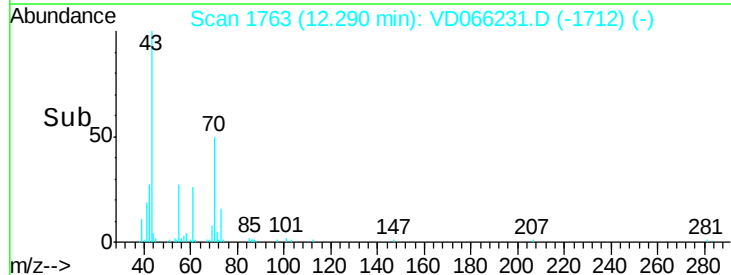
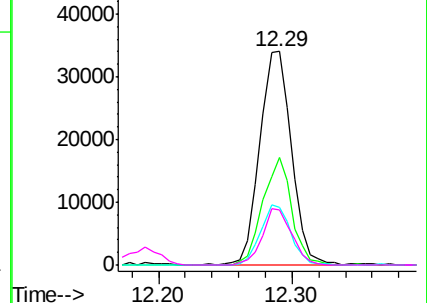


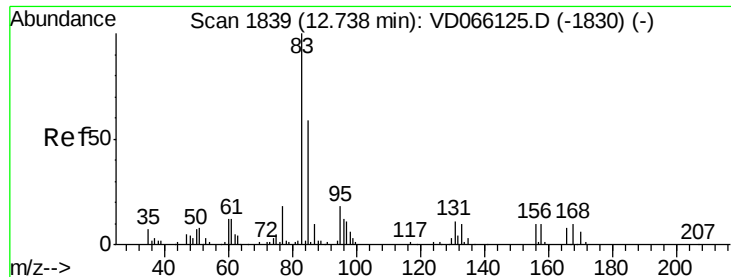
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 17.914 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

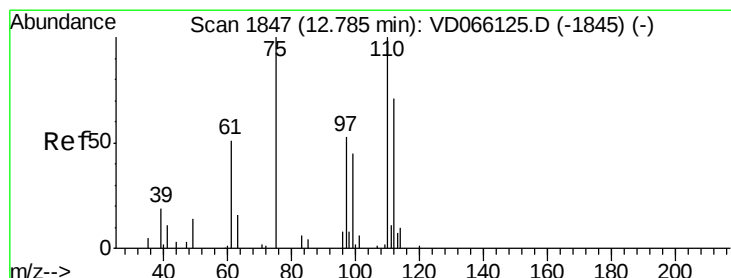
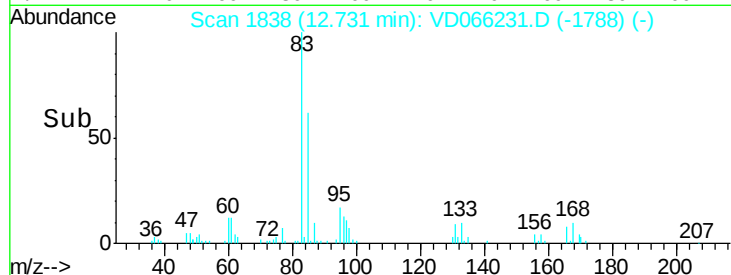
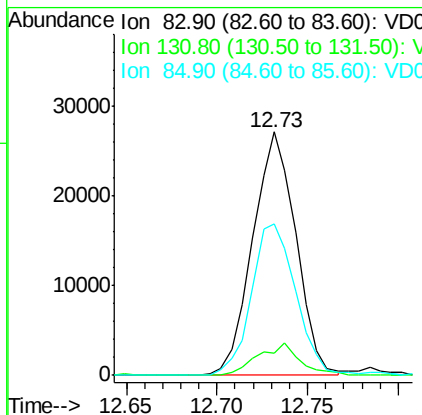
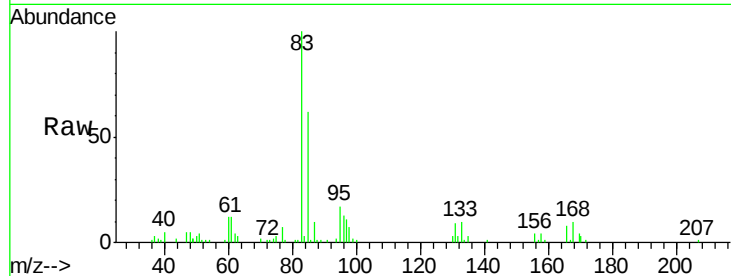
ClientSampleId :

VD0814SBS01

Tot Ion:	83	Resp:	44923
Ion Ratio	Lower	Upper	
83	100		
131	12.8	6.2	18.6
85	63.9	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.692 ug/l m

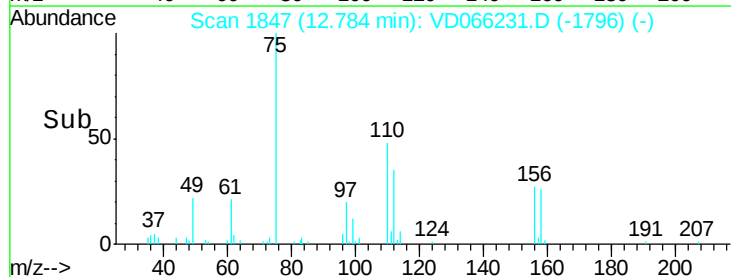
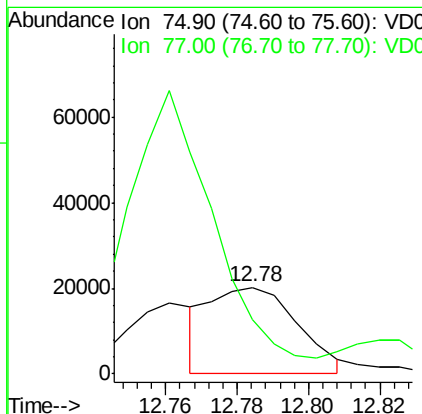
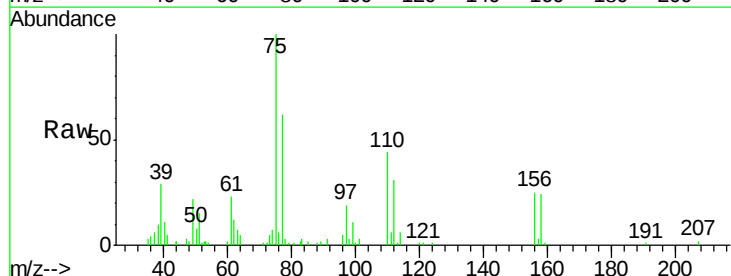
RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Tgt Ion:	75	Resp:	34343
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.827 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion:156 Resp: 71273

Ion Ratio Lower Upper

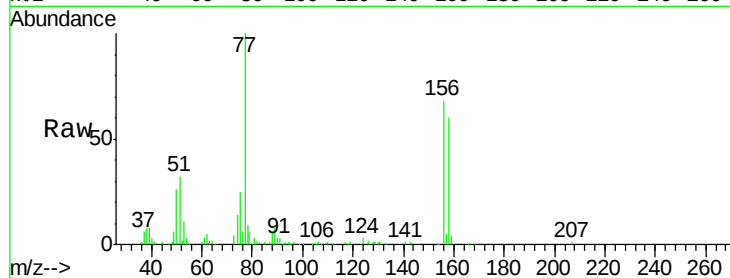
156 100

77 162.0 81.0 243.1

158 96.8 48.8 146.3

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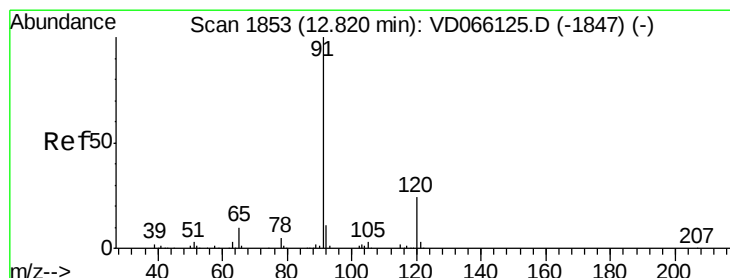
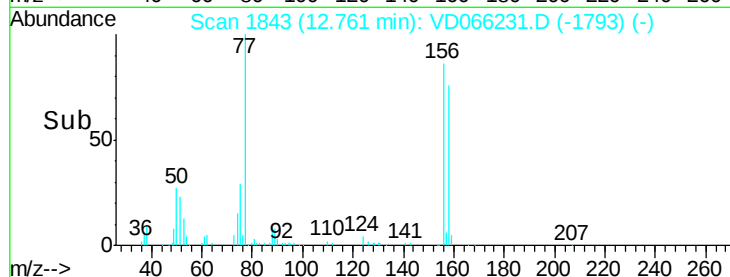
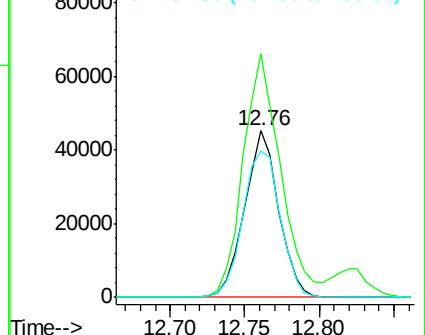
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.032 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066231.D

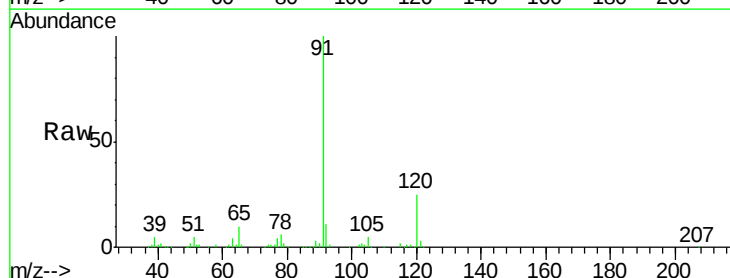
Acq: 14 Aug 2020 12:43

Tgt Ion: 91 Resp: 325357

Ion Ratio Lower Upper

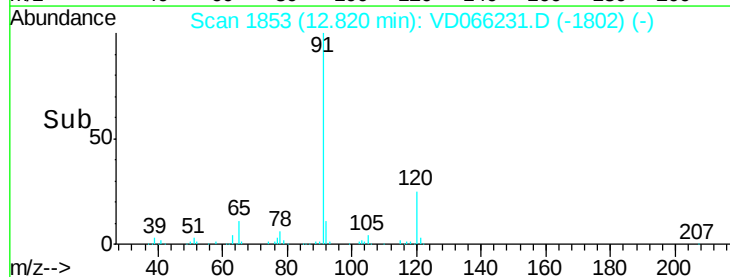
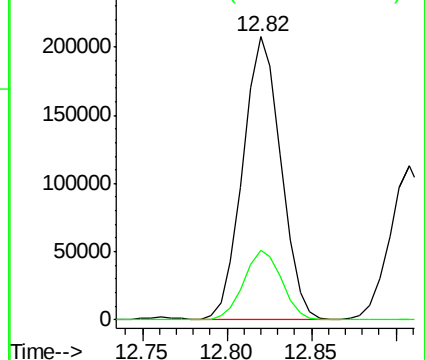
91 100

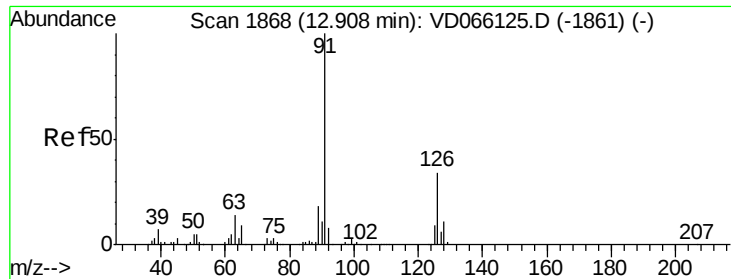
120 24.5 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.905 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion: 91 Resp: 184838

Ion Ratio Lower Upper

91 100

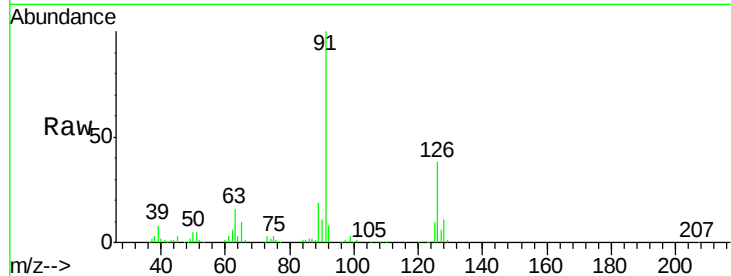
126 36.5 17.5 52.6

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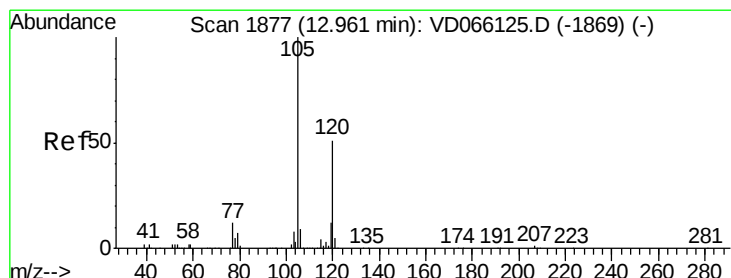
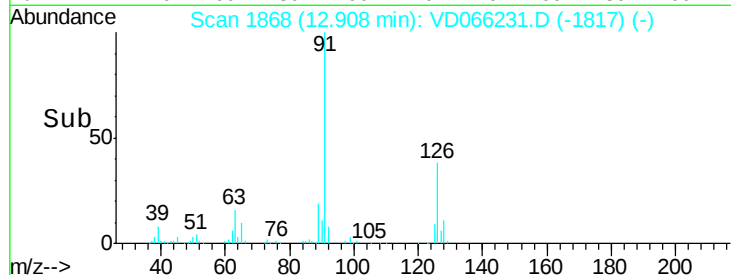
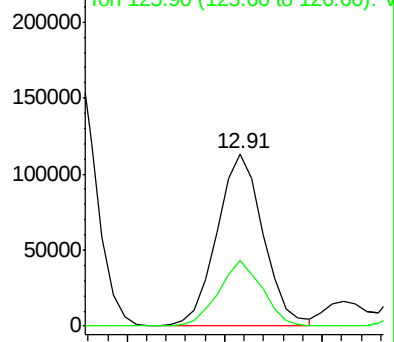
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Abundance Ion 91.00 (90.70 to 91.70): VD066231.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.139 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066231.D

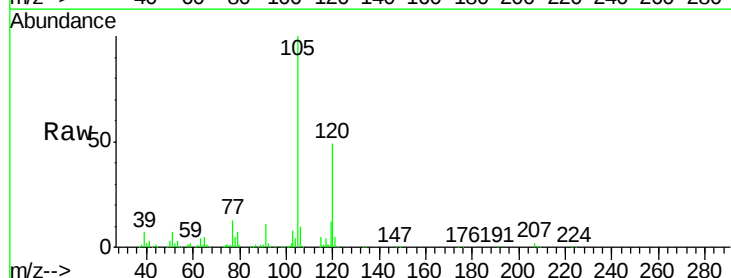
Acq: 14 Aug 2020 12:43

Tgt Ion: 105 Resp: 235388

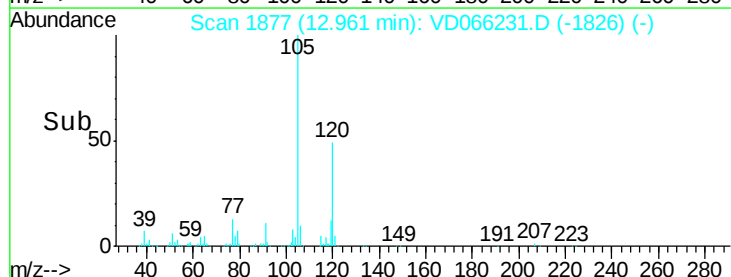
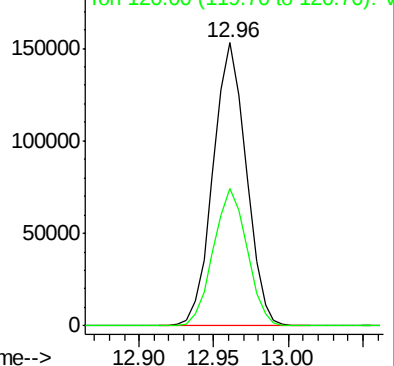
Ion Ratio Lower Upper

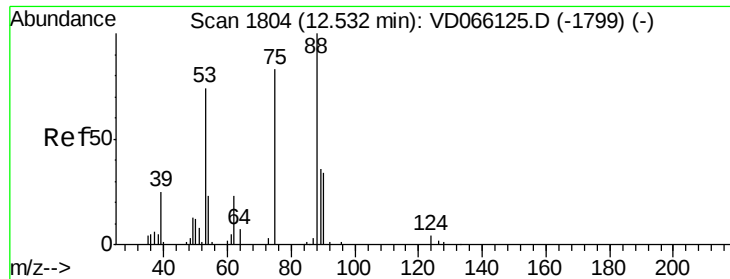
105 100

120 49.2 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): VD066231.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.499 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

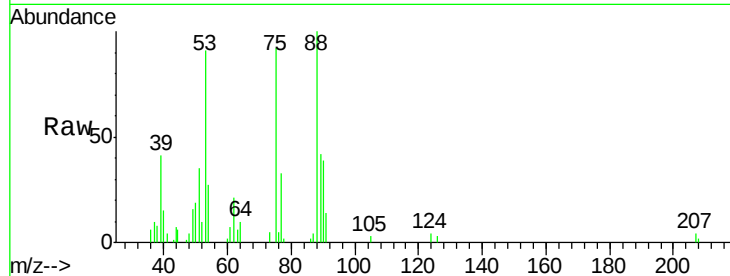
ClientSampleId :

VD0814SBS01

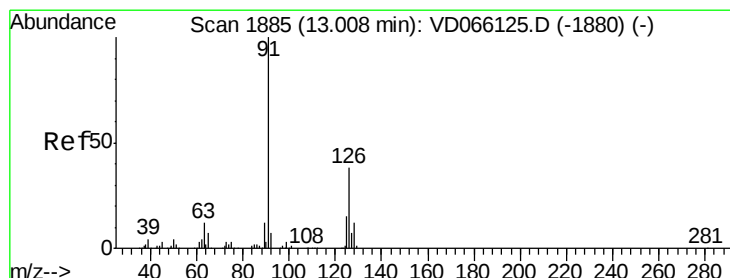
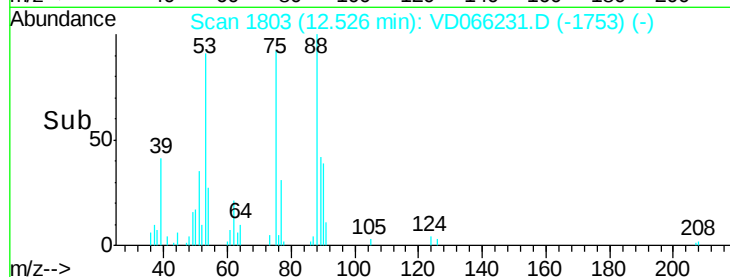
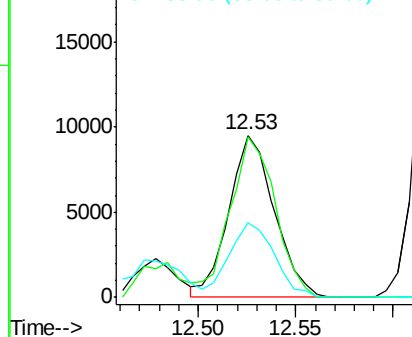
Tot Ion:	75	Resp:	15375
Ion Ratio	Lower	Upper	
75	100		
53	98.9	73.4	110.2
89	45.6	36.6	55.0

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 18.969 ug/l

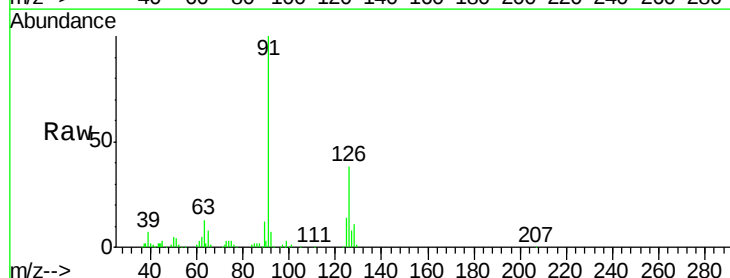
RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

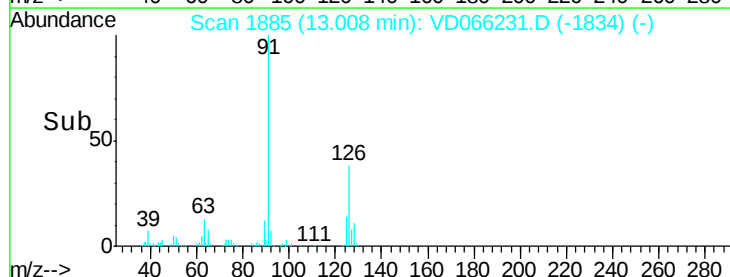
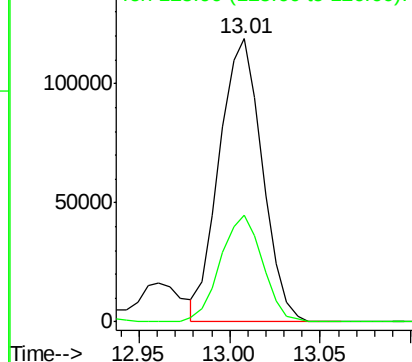
Lab File: VD066231.D

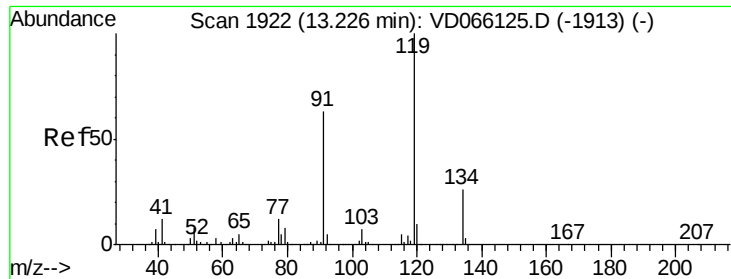
Acq: 14 Aug 2020 12:43

Tgt Ion:	91	Resp:	195782
Ion Ratio	Lower	Upper	
91	100		
126	37.0	17.8	53.3



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





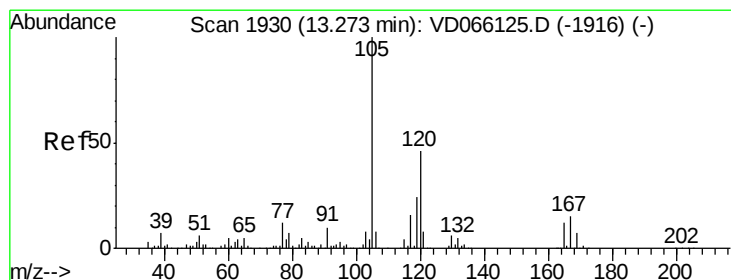
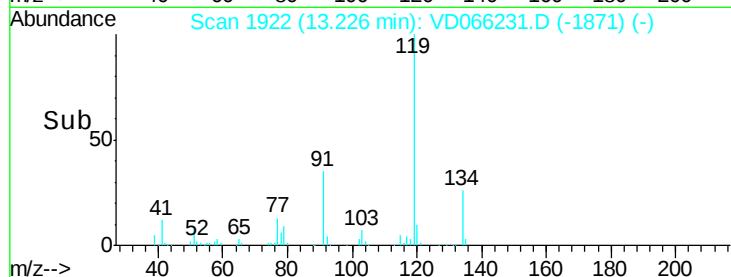
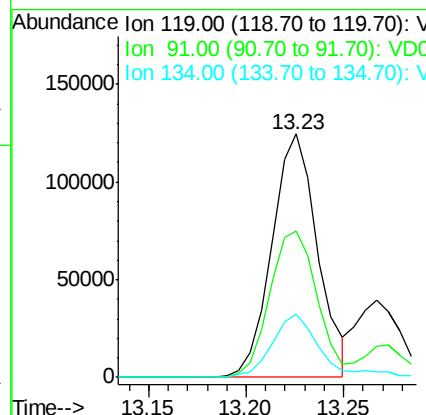
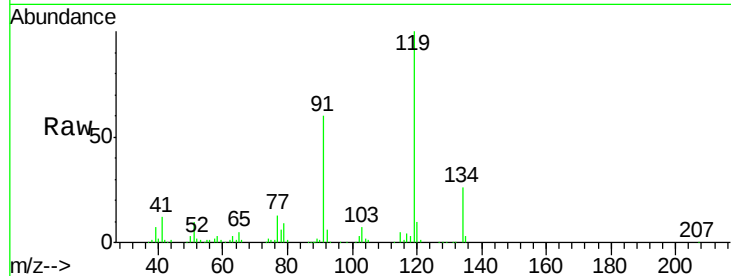
#83
tert-Butylbenzene
Concen: 18.685 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	30.8	92.4
134	27.4	13.6	40.8

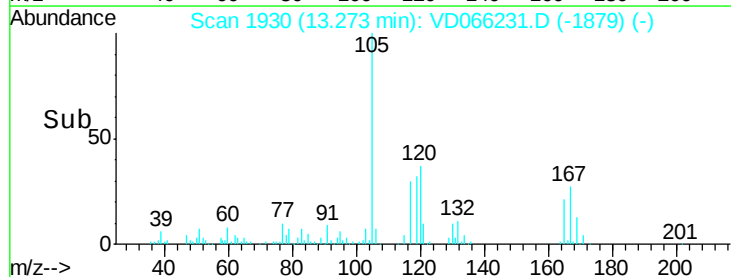
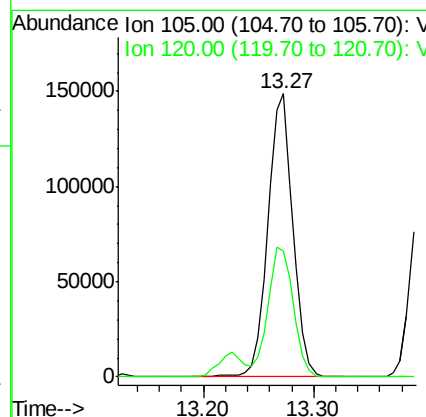
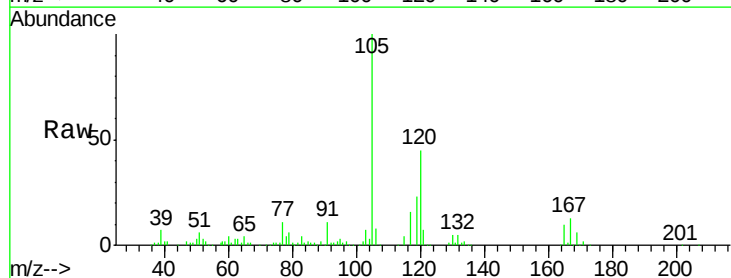
Manual Integrations
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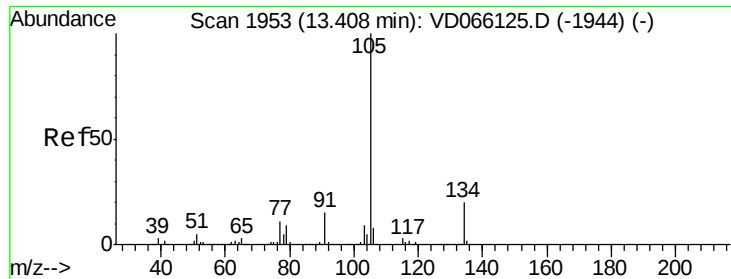
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#84
1,2,4-Trimethylbenzene
Concen: 19.100 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.192 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VD0814SBS01

Tot Ion:105 Resp: 280269

Ion Ratio Lower Upper

105 100

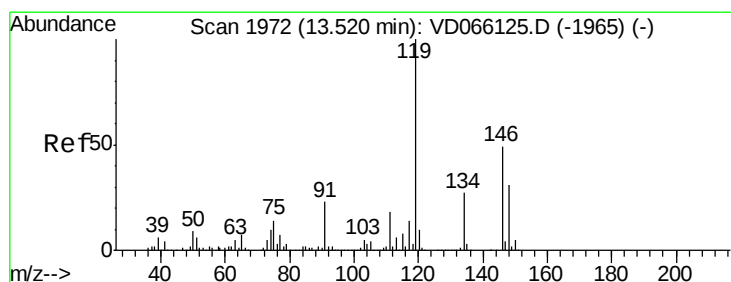
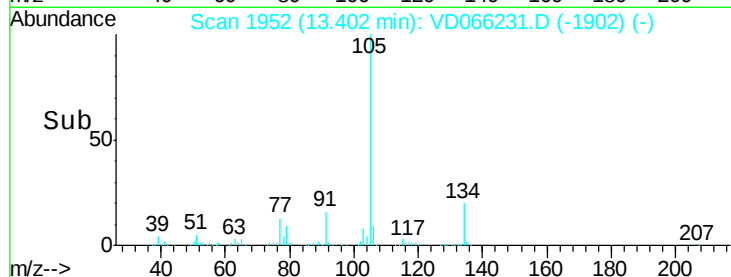
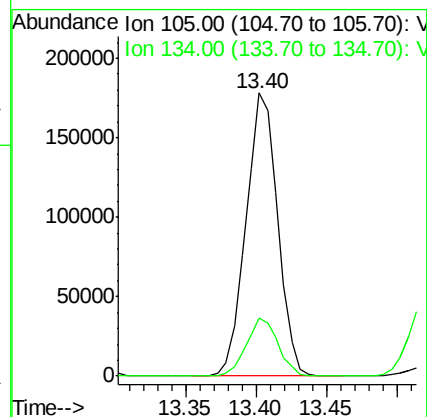
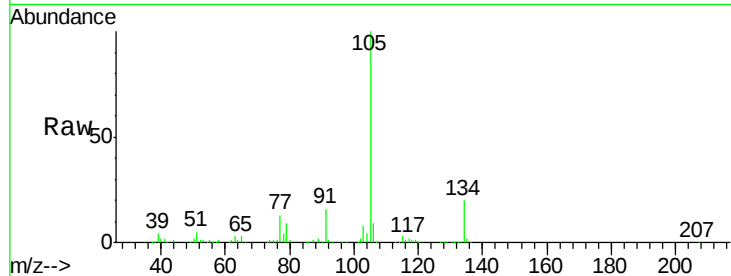
134 20.5 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.262 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066231.D

Acq: 14 Aug 2020 12:43

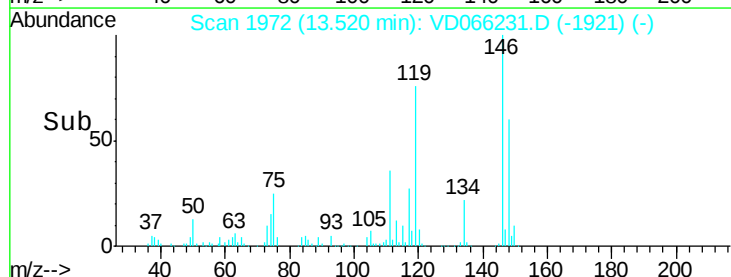
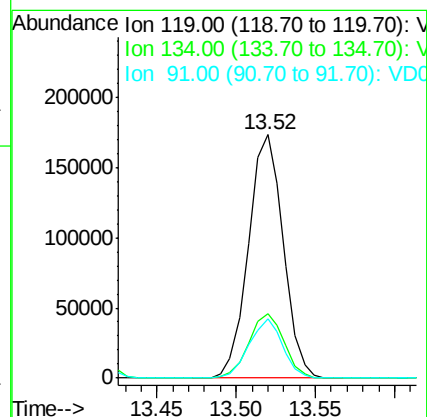
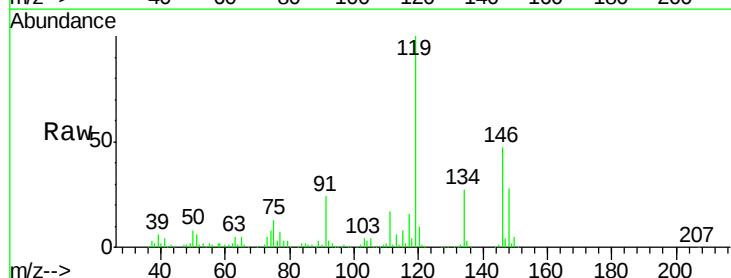
Tgt Ion:119 Resp: 263825

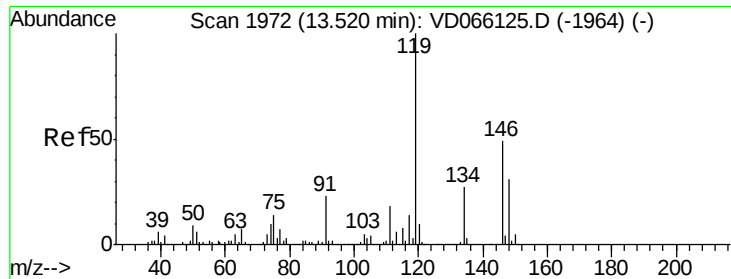
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 23.7 11.2 33.5





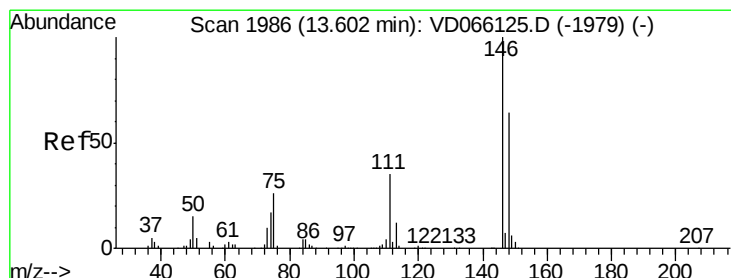
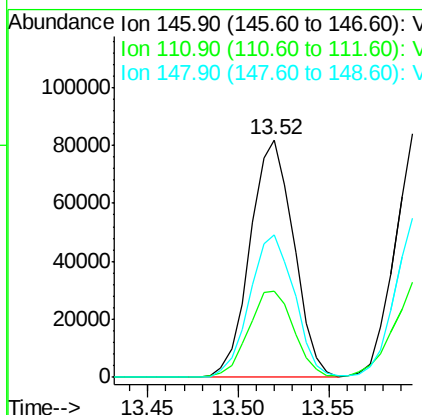
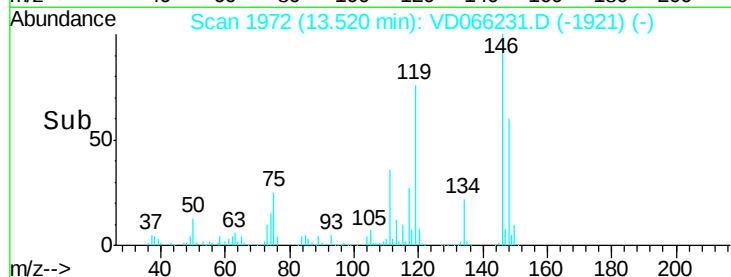
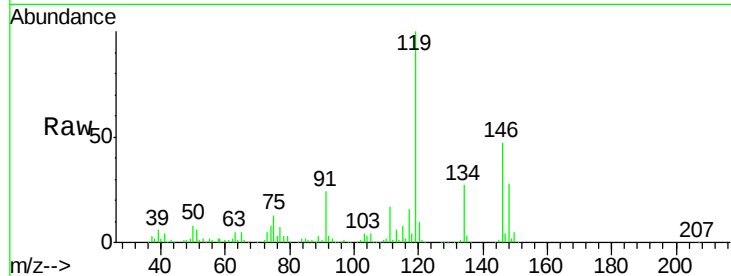
#87
 1,3-Dichlorobenzene
 Concen: 19.193 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	136564		
111	38.1	18.9	56.9	
148	62.2	31.8	95.3	

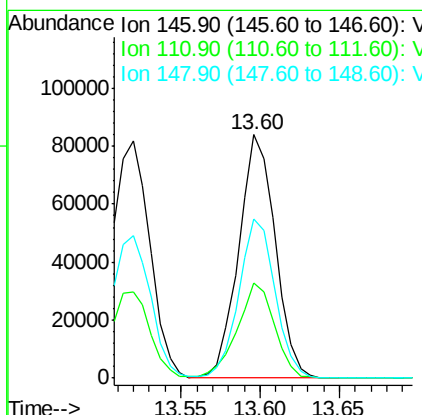
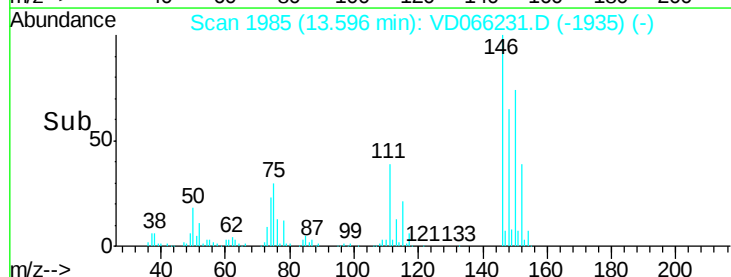
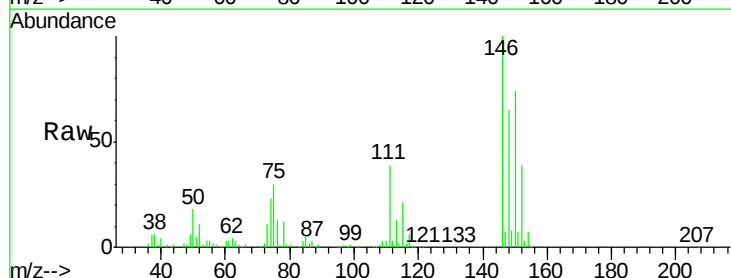
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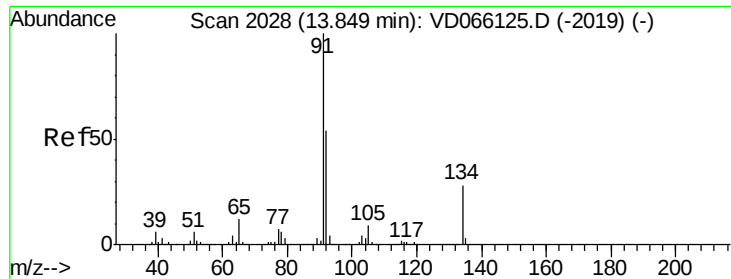
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#88
 1,4-Dichlorobenzene
 Concen: 18.932 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	134336		
111	39.9	18.6	55.8	
148	64.9	32.4	97.0	





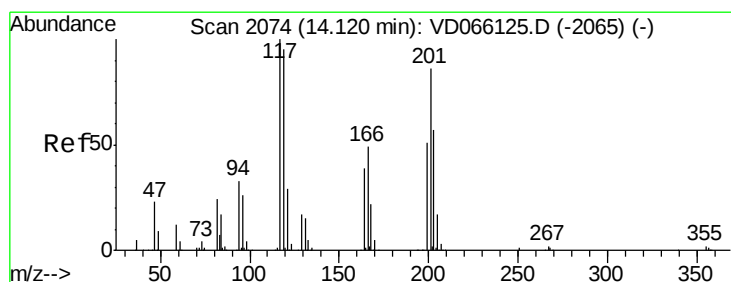
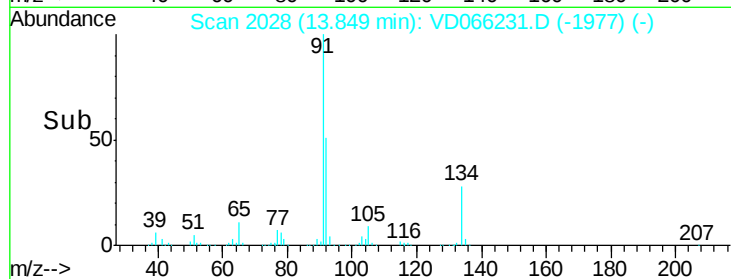
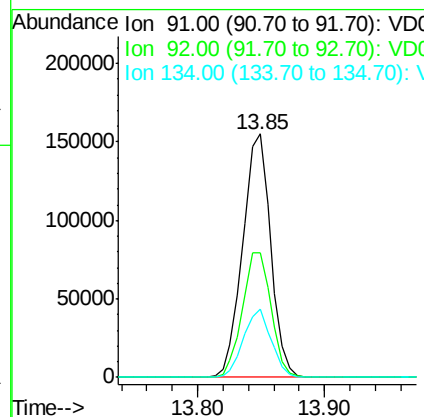
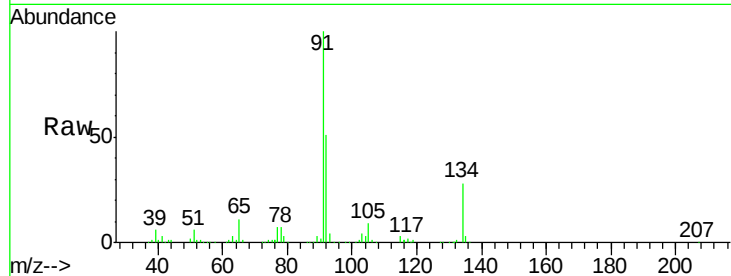
#89
n-Butylbenzene
Concen: 19.302 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.7	26.8	80.3	
134	27.8	14.0	41.9	

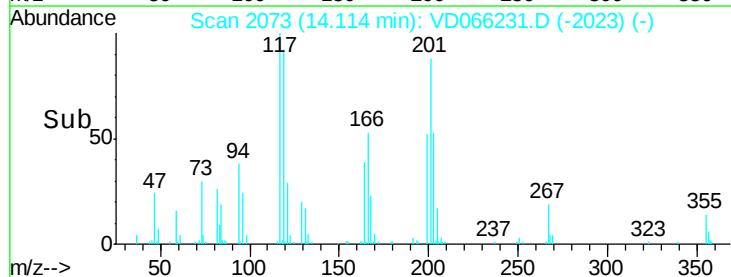
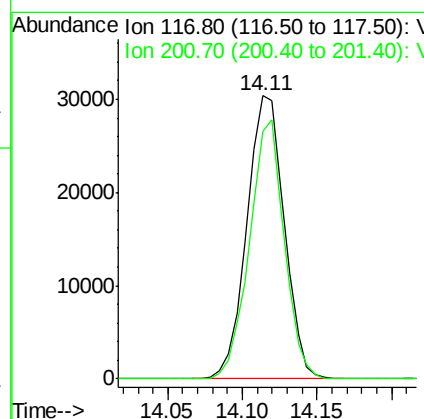
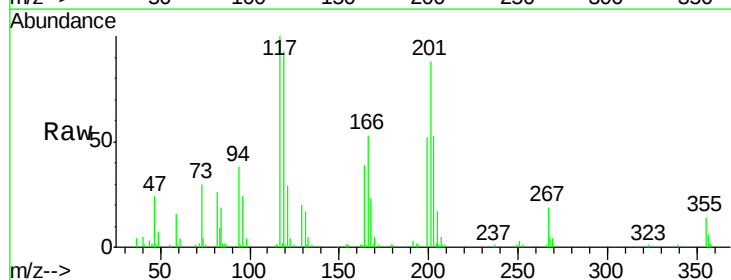
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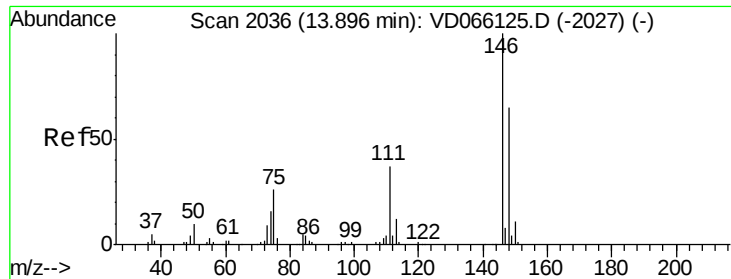
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#90
Hexachloroethane
Concen: 19.205 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.0	42.7	128.1	





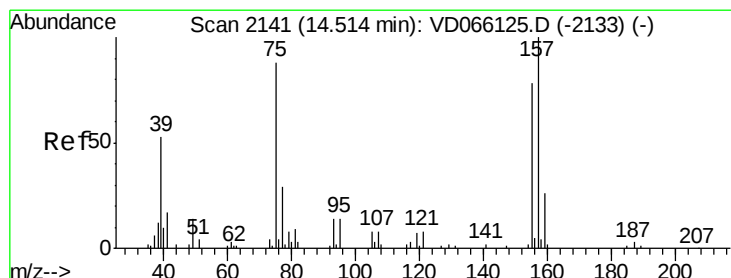
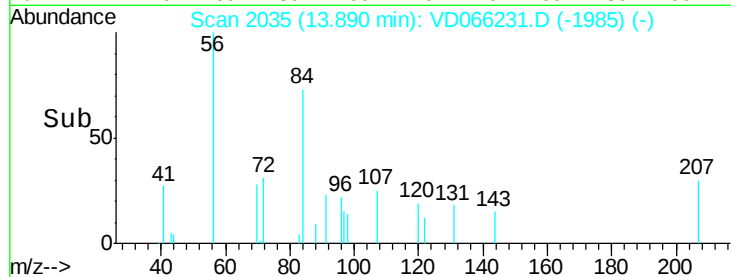
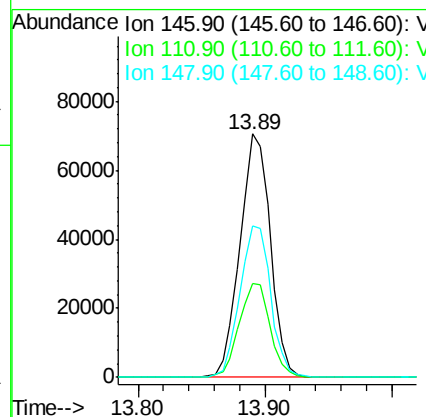
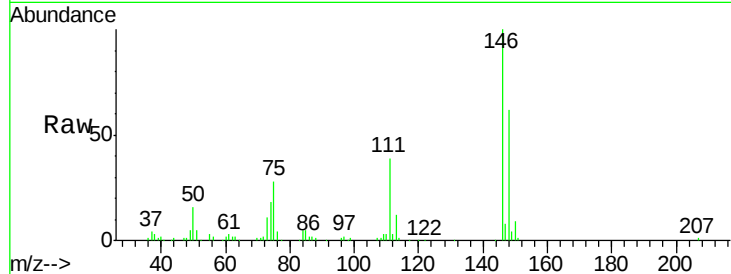
#91
1,2-Dichlorobenzene
Concen: 18.614 ug/l
RT: 13.89 min Scan# 2035
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	117131		
111	39.1	18.8	56.3	
148	62.8	31.9	95.5	

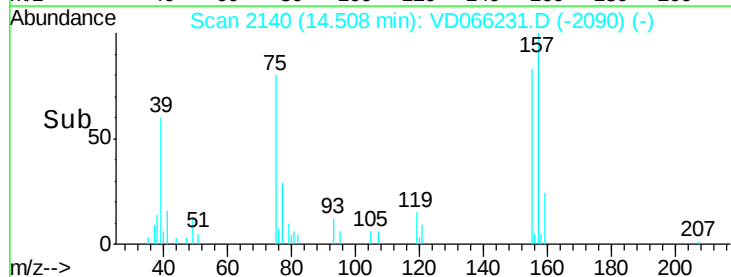
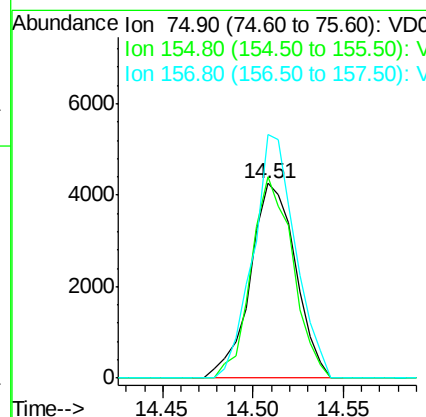
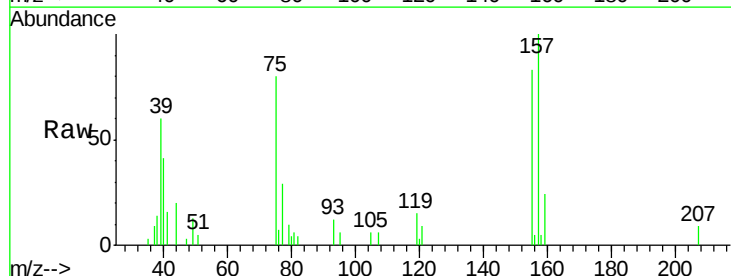
Manual Integrations
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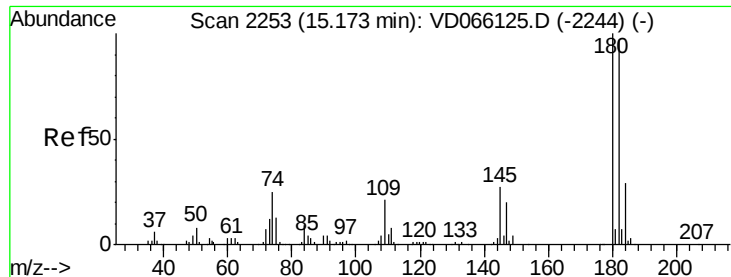
MMDadoda
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#92
1,2-Dibromo-3-Chloropropane
Concen: 17.193 ug/l
RT: 14.51 min Scan# 2140
Delta R.T. -0.01 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7410		
155	94.4	47.7	143.1	
157	116.9	62.1	186.2	





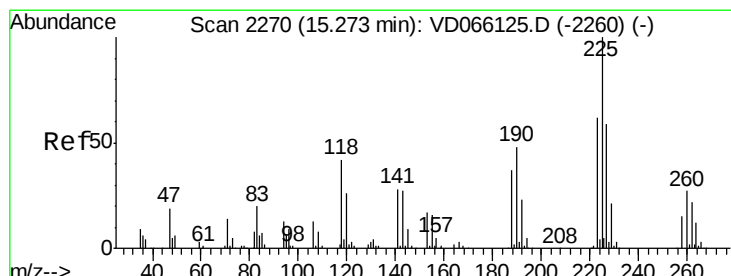
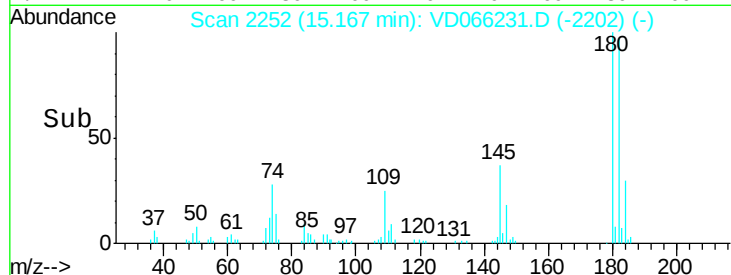
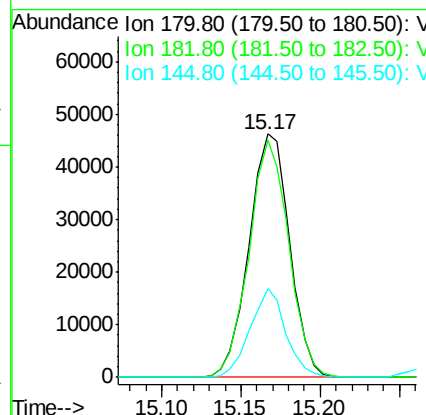
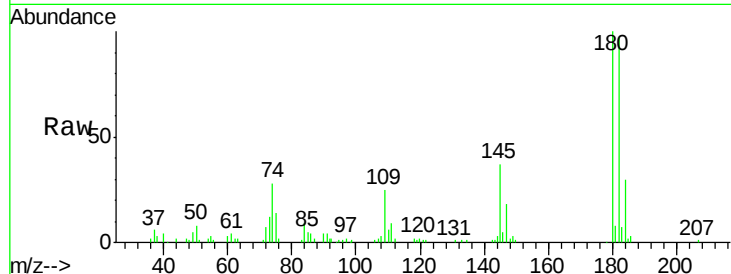
#93
 1,2,4-Trichlorobenzene
 Concen: 17.772 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0814SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.4	142.2
145	32.1	14.5	43.6

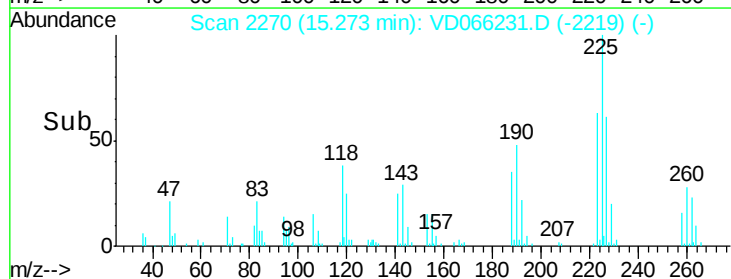
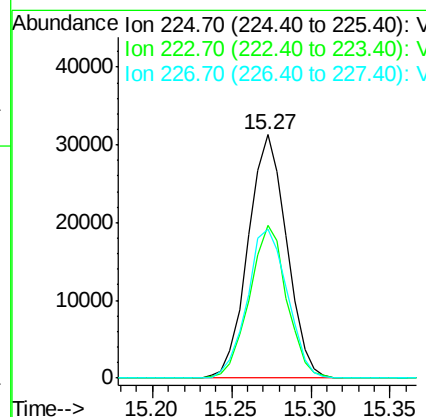
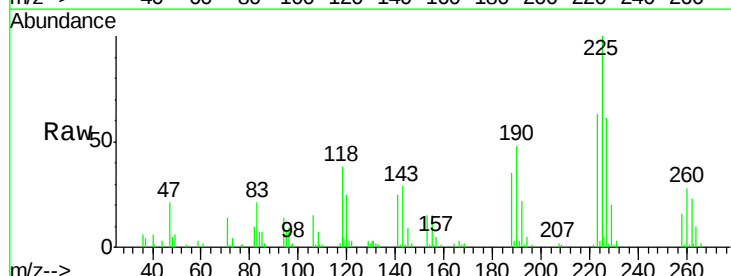
Manual Integrations
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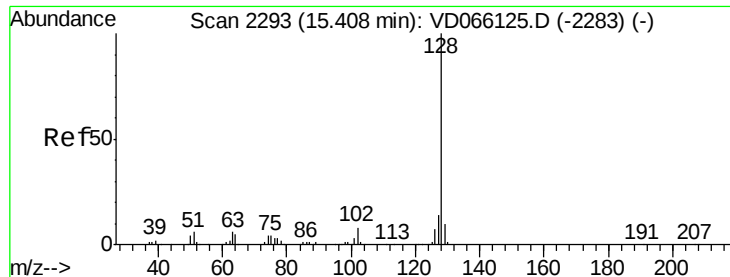
MMDadoda
 8/17/2020 5:45:57 PM



#94
 Hexachlorobutadiene
 Concen: 19.380 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066231.D
 Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.8	32.3	96.9
227	63.7	32.1	96.5





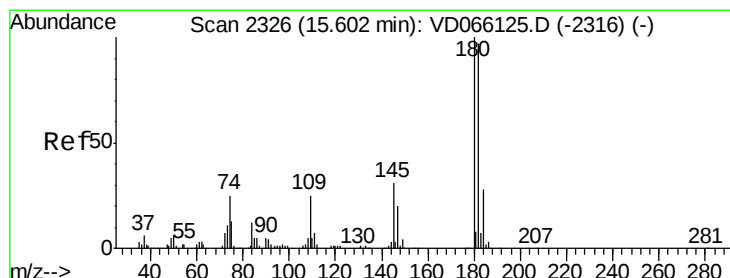
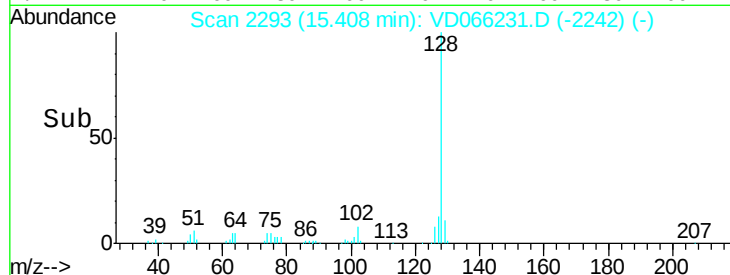
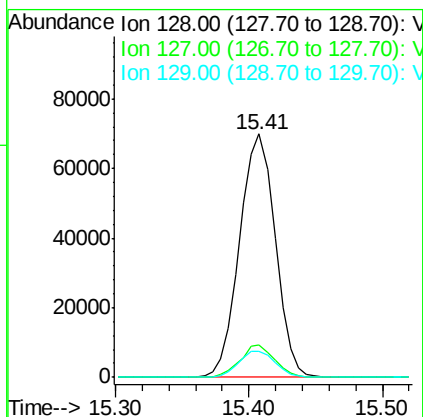
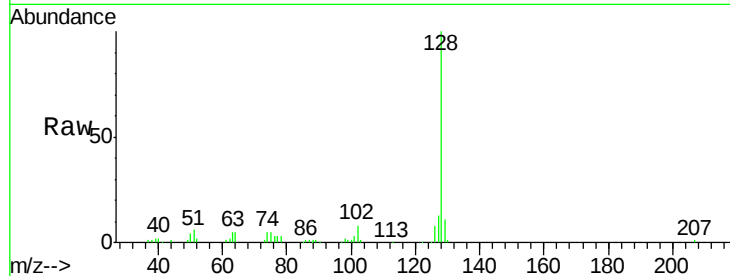
#95
Naphthalene
Concen: 17.135 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VD0814SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	11.0	16.4
129	11.1	8.8	13.2

Manual Integrations
APPROVED

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8/17/2020 5:45:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.237 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD066231.D
Acq: 14 Aug 2020 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.1	141.4
145	30.4	14.9	44.9

